

Manual / curs on-line "Camp eletromagnetic si prezentarea datelor reale privind monitorizarea unei retele electrice de 110kV in vederea Dezvoltarii Sustenabile", suport electronic on-line pe site <https://www.tehnorob.ro>, Bucuresti, 2024.

Cap. 1. Tensiuni si Curenti Electrici

Valoarea efectivă a unei tensiuni aplicate pe un rezistor liniar, fie că este vorba despre o undă sinusoidală sau una nesinusoidală, indică nivelul de energie termică produsă în rezistor. U reprezintă fluctuația în timp a tensiunii (valoarea instantanee), iar T este intervalul de integrare, care, de obicei, acoperă o perioadă completă. În contextul măsurătorilor reale, tensiunea este eșantionată, obținându-se M mostre valori U_k în intervalul de timp T . Integrarea se face prin sumarea pătratelor acestor valori eșantionate. Este posibilă și utilizarea unui număr mai mare de eșantioane într-o perioadă a tensiunii alternative. Totuși, fiind o valoare medie, valoarea efectivă nu descrie întotdeauna cu exactitate o undă distorsionată.

De fapt, curbe cu forme diferite pot avea aceeași valoare efectivă. De exemplu, în figura 1 sunt prezentate două curbe distorsionate care, deși au forme distincte, împărtășesc aceeași valoare efectivă. Pentru a determina gradul de distorsiune al unei curbe de tensiune sau curent dintr-o rețea electrică, este necesar să se utilizeze o metodă standardizată. Conform reglementărilor actuale, analiza în domeniul frecvenței se efectuează pe o fereastră de timp T care acoperă

$= 10$ perioade ale componentei fundamentale a semnalului, astfel că $T = N \cdot T_f$, unde T_f este perioada componentei fundamentale (calculată ca $T_f = 1/f$, cu f fiind frecvența componentei fundamentale, identică cu frecvența rețelei electrice). Prin urmare, o curbă distorsionată, descrisă de funcția $U(t)$, pe această fereastră temporală T . Această variantă este formulată diferit și păstrează esența mesajului original:

timestamp	Vln a	Vln b	Vln c	Vll ab	Vll bc	Vll ca	I a	I b	I c
11/12/2023@03:20:00.000 PM	69040	69294.125	68808.039	119881.539	119672.68	119226.43	19.786	19.669	18.652
11/12/2023@03:30:00.000 PM	68850.391	69171.594	68786.406	119531.664	119612.297	119058.32	19.364	19.491	18.505
11/12/2023@03:40:00.000 PM	69117.898	69278.023	68912.109	119892.008	119727.859	119447.938	18.843	18.712	17.976
11/12/2023@03:50:00.000 PM	69109.313	69328.031	68914.563	119940.242	119796.305	119407.305	19.614	19.565	18.613
11/12/2023@04:00:00.000 PM	69126.594	69316.953	68913.258	119942.328	119775.727	119434.242	20.24	20.174	19.306
11/12/2023@04:10:00.000 PM	69365.703	69576.211	69181.922	120358.516	120234.109	119878.234	19.726	19.72	18.824

11/12/2023@04:20:00.000 PM	69271.789	69523.945	69099.141	120236.063	120144.609	119703.609	19.799	19.853	18.901
11/12/2023@04:30:00.000 PM	69331.258	69680.594	69224.305	120421.938	120427.516	119825.914	20.084	20.296	19.145
11/12/2023@04:40:00.000 PM	69176.297	69423.93	69025.891	120054.508	120002.539	119561.648	20.439	20.547	19.561
11/12/2023@04:50:00.000 PM	69213.844	69419.195	69092.078	120060.078	120055.656	119674.359	20.359	20.415	19.553
11/12/2023@05:00:00.000 PM	69385.914	69722.164	69251.984	120508.094	120487.102	119894.766	20.227	20.348	19.282
11/12/2023@05:10:00.000 PM	69296.633	69679.766	69217.031	120376.93	120446.164	119778.188	20.476	20.753	19.619
11/12/2023@05:20:00.000 PM	68988.438	69274.266	68897.859	119730.242	119791.758	119290.25	20.175	20.386	19.514
11/12/2023@05:30:00.000 PM	69215.094	69434.32	69036.508	120083.641	120014.555	119624.086	19.644	19.678	18.846
11/12/2023@05:40:00.000 PM	68956.148	69242.656	68743.422	119745.914	119597.469	119090.906	19.626	19.583	18.548
11/12/2023@05:50:00.000 PM	68879.992	69255.516	68767.305	119663.906	119679.203	119022.813	20.111	20.291	19.158
11/12/2023@06:00:00.000 PM	68987.172	69374.57	68919.734	119837.773	119926.805	119257.164	21.172	21.487	20.331
11/12/2023@06:10:00.000 PM	68813.688	69284.961	68800.625	119601.672	119790.578	118967.445	21.427	21.876	20.574
11/12/2023@06:20:00.000 PM	68929.359	69380.453	68913.133	119790.984	119957.844	119171.508	20.346	20.745	19.409
11/12/2023@06:30:00.000 PM	68992.164	69444.617	68945.992	119922.289	120032.445	119242.523	20.831	21.158	19.851
11/12/2023@06:40:00.000 PM	68935.367	69343.125	68912.203	119761.594	119907.789	119195.078	20.799	21.179	19.976
11/12/2023@06:50:00.000 PM	68823.266	69198.813	68775.789	119542.602	119643.313	118998.156	21.257	21.602	20.53

11/12/2023@07:00:00.000 PM	68934.984	69328.219	68878.773	119758.75	119844.367	119177.023	22.228	22.541	21.418
11/12/2023@07:10:00.000 PM	68652.383	69009.086	68576.93	119238.172	119297.758	118679.148	22.41	22.683	21.617
11/12/2023@07:20:00.000 PM	68727.133	69059.93	68669.898	119326.383	119427.055	118840.094	22.256	22.545	21.541
11/12/2023@07:30:00.000 PM	68555.898	68913.922	68521.742	119052.531	119176.617	118558.32	22.776	23.172	22.145
11/12/2023@07:40:00.000 PM	68348.695	68803.422	68344.219	118790.945	118961.445	118177.398	22.667	23.092	21.848
11/12/2023@07:50:00.000 PM	68350.758	68771.609	68330.156	118761.203	118907.156	118185.547	22.846	23.237	22.069
11/12/2023@08:00:00.000 PM	68620.656	68953.914	68562.68	119146.266	119232.758	118660.813	22.259	22.542	21.557
11/12/2023@08:10:00.000 PM	67761.984	68911.672	68232.117	118302.188	119300.359	117304.031	22.019	23.563	21.019
11/12/2023@08:20:00.000 PM	68440.484	68916.781	68444.102	118967.852	119154.602	118335.664	22.574	23.055	21.812
11/12/2023@08:30:00.000 PM	68378.883	68736.93	68409.125	118706.43	118944.266	118328.461	22.079	22.502	21.573
11/12/2023@08:40:00.000 PM	68444.313	69016.953	68538.547	119031.266	119383.148	118386.977	21.47	22.169	20.63
11/12/2023@08:50:00.000 PM	68252.07	69010.805	68525.727	118811.805	119471.344	118152.547	20.808	21.824	20.016
11/12/2023@09:00:00.000 PM	68789.227	69192.977	68809.375	119483.094	119694.742	118995.258	21.625	21.972	20.913
11/12/2023@09:10:00.000 PM	68612.516	69074.672	68690.102	119207.984	119521.688	118725.781	21.83	22.454	21.218
11/12/2023@09:20:00.000 PM	68731.922	69096.813	68757.391	119327.953	119560.617	118928.586	21.727	22.16	21.114
11/12/2023@09:30:00.000 PM	68548.414	68978.641	68668.063	119029.984	119426.82	118682.867	21.635	22.328	21.193

11/12/2023@09:40:00.000 PM	68609.266	69180.867	68788.375	119256.617	119766.555	118780.531	21.515	22.424	20.962
11/12/2023@09:50:00.000 PM	68762.078	69112.609	68744.906	119361.906	119555.117	118958.125	21.639	22.11	21.11
11/12/2023@10:00:00.000 PM	69148.063	69487.547	69120.18	120024.508	120201.969	119616.695	21.125	21.603	20.573
11/12/2023@10:10:00.000 PM	68891.68	69369.695	68973.594	119702.953	120029.375	119208.758	21.629	22.256	20.888
11/12/2023@10:20:00.000 PM	69272.953	69612.539	69232.172	120272.445	120390.195	119807.414	21.3	21.637	20.526
11/12/2023@10:30:00.000 PM	69178.977	69612.813	69211.992	120176.992	120426.195	119669.555	21.282	21.819	20.537
11/12/2023@10:40:00.000 PM	69171.969	69648.906	69206.828	120214.82	120461.133	119638.258	21.404	21.979	20.593
11/12/2023@10:50:00.000 PM	69304.469	69735.078	69322.68	120401.023	120619.469	119873.141	21.448	21.944	20.704
11/12/2023@11:00:00.000 PM	69471.477	69898.016	69444.914	120709.188	120851.086	120116.625	21.489	21.925	20.677
11/12/2023@11:10:00.000 PM	69411.125	69824.523	69471.375	120542.391	120833.555	120114.797	20.728	21.364	20.104
11/12/2023@11:20:00.000 PM	69299.609	69706.313	69346.18	120344.008	120610.125	119921.898	20.795	21.31	20.139
11/12/2023@11:30:00.000 PM	69295.75	69837.391	69220.469	120562.531	120626.898	119689.563	21.077	21.451	19.847
11/12/2023@11:40:00.000 PM	69451.875	69859.656	69514.594	120602.188	120900.906	120193.891	20.426	20.969	19.777
11/12/2023@11:50:00.000 PM	69137.672	69453.742	69253.148	119922.938	120307.547	119766.234	21.087	21.726	20.714
11/13/2023@12:00:00.000 AM	69085.445	69802.922	69431.398	120166.711	120945.773	119707.133	20.924	22.229	20.461
11/13/2023@12:10:00.000 AM	68892.414	69507.602	69361.703	119639.313	120635.641	119577.859	20.924	22.41	20.955

11/13/2023@12:20:00.000 AM	69617.172	69959.844	69636.75	120832.531	121062.992	120472.93	21.471	22.001	20.894
11/13/2023@12:30:00.000 AM	69393.57	69999.703	69542.602	120672.57	121129.875	120084.656	21.461	22.274	20.676
11/13/2023@12:40:00.000 AM	69566.016	70013.953	69604.398	120856.805	121113.602	120347.172	21.508	22.085	20.87
11/13/2023@12:50:00.000 AM	69506.734	69966.969	69618.18	120725.758	121108.43	120323.031	20.819	21.633	20.289
11/13/2023@01:00:00.000 AM	69775.008	70072.094	69764.086	121070.219	121245.641	120740.938	19.621	20.067	19.002
11/13/2023@01:10:00.000 AM	69637.148	70068.977	69715.891	120930.664	121273.789	120524.641	19.732	20.449	19.136
11/13/2023@01:20:00.000 AM	69603.281	70261.039	69800.664	121073.344	121603.984	120472.453	19.844	20.784	19.132
11/13/2023@01:30:00.000 AM	69386.297	70037.734	69618.297	120672.766	121260.023	120138.469	21.431	22.527	20.835
11/13/2023@01:40:00.000 AM	69803.914	70196.461	69834.086	121202.977	121457.422	120783.141	21.432	22.063	20.771
11/13/2023@01:50:00.000 AM	70167.773	70506.445	70174.719	121783.594	122006.141	121410.906	21.262	21.818	20.604
11/13/2023@02:00:00.000 AM	70048.898	70430.344	70020.359	121640.852	121803.156	121151.719	20.934	21.423	20.177
11/13/2023@02:10:00.000 AM	70034.695	70503.719	69965.625	121743.289	121838.82	121021.438	20.613	21.096	19.548
11/13/2023@02:20:00.000 AM	69992.828	70395.086	69913.828	121606.656	121670.438	120976.031	21.875	22.262	20.92
11/13/2023@02:30:00.000 AM	69967.18	70278.219	69849.398	121485.102	121474.953	120934.633	21.732	21.97	20.852
11/13/2023@02:40:00.000 AM	70064.664	70387.852	70014.242	121636.297	121726.008	121176.539	21.514	21.871	20.699
11/13/2023@02:50:00.000 AM	70421.281	70785.883	70320.203	122325.859	122336.664	121713.477	21.918	22.204	20.926

11/13/2023@03:00:00.000 AM	70406	70771.695	70341.391	122280.922	122347.688	121733.039	21.8	22.167	20.925
11/13/2023@03:10:00.000 AM	70308.141	70593.453	70195.18	122045.828	122031.211	121553.109	22.002	22.214	21.12
11/13/2023@03:20:00.000 AM	70285.813	70559.047	70202.117	121972.477	122020.164	121551.164	22.228	22.493	21.435
11/13/2023@03:30:00.000 AM	70343.125	70780.695	70339.805	122222.234	122394.891	121648.352	21.524	21.966	20.626
11/13/2023@03:40:00.000 AM	70207.305	70619.992	70181.836	121974.953	122101.672	121401.703	21.111	21.515	20.216
11/13/2023@03:50:00.000 AM	70259.445	70717.969	70251.797	122104.742	122264.273	121490.539	21.839	22.34	20.99
11/13/2023@04:00:00.000 AM	70433.672	70778.875	70384.492	122298.219	122389.18	121809.203	22.164	22.469	21.408
11/13/2023@04:10:00.000 AM	70469.852	70839.773	70382.367	122412.984	122443.117	121805.008	21.359	21.642	20.365
11/13/2023@04:20:00.000 AM	70298.164	70551.961	70240.547	121962.719	122041.93	121614.766	20.967	21.219	20.277
11/13/2023@04:30:00.000 AM	70324.844	70689.203	70260.023	122137.281	122214.578	121585.352	20.626	20.954	19.665
11/13/2023@04:40:00.000 AM	70388.289	70738.047	70316.266	122236.203	122294.953	121697.969	21.381	21.692	20.433
11/13/2023@04:50:00.000 AM	70458.563	70810.195	70358.258	122377.453	122387.344	121783.781	21.533	21.82	20.563
11/13/2023@05:00:00.000 AM	70379.984	70771.648	70292.273	122284.109	122302.43	121644.953	18.93	19.57	19.206
11/13/2023@05:10:00.000 AM	70124.336	70596	70157.945	121861.555	122096.781	121293.32	18.96	19.527	18.16
11/13/2023@05:20:00.000 AM	70105.633	70638.352	70171.414	121879.695	122178.102	121258.102	20.324	20.959	19.441
11/13/2023@05:30:00.000 AM	70295.523	70673.07	70249.758	122088.789	122197.18	121554.672	21.034	21.419	20.153

11/13/2023@05:40:00.000 AM	70182.734	70790.141	70267.805	122087.164	122412.625	121379.57	21.275	21.964	20.234
11/13/2023@05:50:00.000 AM	70270.758	70727.43	70293.016	122101.281	122319.531	121546.039	21.563	22.066	20.719
11/13/2023@06:00:00.000 AM	70102.703	70708.203	70134.953	121980.328	122213.43	121174.945	21.996	22.559	20.84
11/13/2023@06:10:00.000 AM	70050.32	70669.945	70080.484	121913.602	122128.203	121075.703	22.262	22.83	21.14
11/13/2023@06:20:00.000 AM	70380.508	70654.781	70267.406	122164.398	122136.391	121686.055	22.308	22.455	21.489
11/13/2023@06:30:00.000 AM	70329.914	70643.539	70210.508	122118.117	122097.125	121565.969	21.835	22.045	20.963
11/13/2023@06:40:00.000 AM	70254.594	70545.117	70148.609	121958.336	121954.516	121460.156	20.721	20.878	19.802
11/13/2023@06:50:00.000 AM	70322.078	70626.922	70203.063	122095.023	122071.594	121559.328	21.046	21.217	20.131
11/13/2023@07:00:00.000 AM	70224.063	70533.016	70115.836	121927.859	121923.984	121390.523	20.286	20.475	19.342
11/13/2023@07:10:00.000 AM	70207.445	70626.969	70112.711	122027.398	122030.508	121313.141	21.628	21.936	20.629
11/13/2023@07:20:00.000 AM	70109.383	70589.141	70104.164	121873.523	122035.008	121212.227	20.81	21.272	19.866
11/13/2023@07:30:00.000 AM	70064.531	70657.07	70149.258	121873.727	122189.227	121175.836	20.357	21.084	19.433
11/13/2023@07:40:00.000 AM	70087.313	70594.766	70131.766	121832.961	122089.359	121217.719	20.595	21.216	19.609
11/13/2023@07:50:00.000 AM	70133.984	70895.195	70409.43	122063.031	122736.875	121421.992	20.919	22.11	20.138
11/13/2023@08:00:00.000 AM	70698.539	71079.195	70569.773	122839.039	122799.406	122158.18	20.995	21.165	19.928
11/13/2023@08:10:00.000 AM	70663.523	71100.742	70554.102	122836.422	122819.891	122089.875	21.086	21.393	20.038

11/13/2023@08:20:00.000 AM	70517.391	70987.609	70385.25	122632.484	122583.711	121788.547	20.915	21.166	19.706
11/13/2023@08:30:00.000 AM	70394.555	70871.117	70311.539	122391.922	122441.023	121629.461	21.224	21.758	20.323
11/13/2023@08:40:00.000 AM	70497.906	70903.398	70336.531	122535.578	122446.594	121758.555	19.895	20.017	18.686
11/13/2023@08:50:00.000 AM	70514.016	71018.305	70478.555	122620	122717.117	121876.445	18.912	19.283	17.847
11/13/2023@09:00:00.000 AM	70757.055	71268.523	70650.086	123077.031	123079.086	122208.977	19.484	19.777	18.274
11/13/2023@09:10:00.000 AM	70260.852	70911.961	70245.914	122323.492	122488.313	121376.172	19.296	19.923	18.132
11/13/2023@09:20:00.000 AM	69780.18	70318.453	69716.461	121392.266	121472.086	120546.016	19.819	20.208	18.71
11/13/2023@09:30:00.000 AM	70350.992	70726.172	70151.43	122268.367	122110.203	121480.18	19.074	19.132	17.89
11/13/2023@09:40:00.000 AM	70327.016	71002.391	70506.883	122350.695	122849.664	121710.57	18.038	18.92	17.246
11/13/2023@09:50:00.000 AM	70501.344	70983.984	70472.172	122543.063	122690.57	121887.406	17.958	18.458	17.013
11/13/2023@10:00:00.000 AM	70239.781	70996.422	70448.5	122263.805	122829.477	121555.078	17.872	18.971	17.058
11/13/2023@10:10:00.000 AM	69761.172	70514.141	70012.523	121408.852	122050.836	120769.133	18.766	19.981	18.133
11/13/2023@10:20:00.000 AM	69764.492	70429.586	69857.383	121401.867	121774.055	120643.641	18.327	19.143	17.429
11/13/2023@10:30:00.000 AM	69827.148	70374.992	69801.617	121450.07	121598.703	120688.383	18.964	19.563	18.009
11/13/2023@10:40:00.000 AM	69701.773	70201.258	69625.188	121202.063	121269.93	120441.547	18.169	18.669	17.243
11/13/2023@10:50:00.000 AM	69794.359	70314.602	69735.836	121379.289	121478.328	120604.195	19.58	20.212	18.581

11/13/2023@11:00:00.000 AM	69845.852	70307.68	69756.281	121405.063	121469.609	120699.766	20.433	21.013	19.442
11/13/2023@11:10:00.000 AM	69812.023	70317.883	69759.93	121374.969	121510.508	120654.273	21.353	22.002	20.372
11/13/2023@11:20:00.000 AM	69549.531	70329.18	69670.539	121141.594	121562.711	120235.578	21.507	22.62	20.419
11/13/2023@11:30:00.000 AM	69761.938	70217.219	69663.867	121256.813	121307.742	120547.703	20.483	20.99	19.396
11/13/2023@11:40:00.000 AM	69746.305	70190.188	69620.086	121232	121236.695	120493.992	21.297	21.765	20.197
11/13/2023@11:50:00.000 AM	69794.242	70262.867	69684.531	121337.398	121364.711	120581.086	21.699	22.262	20.606
11/13/2023@12:00:00.000 PM	69684.219	70347.117	69720.07	121285.5	121572.195	120442.273	21.874	22.837	20.711
11/13/2023@12:10:00.000 PM	69859.398	70269.836	69723.305	121395.109	121381.75	120698.406	22.554	23.015	21.552
11/13/2023@12:20:00.000 PM	69768.805	70236.758	69678.148	121286.078	121340.797	120555.922	21.775	22.32	20.73
11/13/2023@12:30:00.000 PM	69567.141	70335.313	69692.984	121158.391	121594.813	120276.32	21.049	22.065	19.975
11/13/2023@12:40:00.000 PM	69696.156	70439.742	69859.055	121330.672	121837.688	120553.055	19.863	20.946	18.948
11/13/2023@12:50:00.000 PM	69986.133	70395.445	69836.023	121617.359	121596.297	120893.805	20.211	20.54	19.107
11/13/2023@01:00:00.000 PM	69787.859	70309.711	69767.344	121333.336	121526.266	120636.922	19.553	20.22	18.638
11/13/2023@01:10:00.000 PM	69895.172	70331.82	69768.508	121486.43	121489.844	120746.594	19.657	20.085	18.615
11/13/2023@01:20:00.000 PM	69814.305	70354.414	69748.047	121436.727	121531.852	120617.906	21.352	21.927	20.186
11/13/2023@01:30:00.000 PM	70033.75	70492.289	69938.266	121738.836	121789.32	121006.648	20.289	20.787	19.107

11/13/2023@01:40:00.000 PM	70159.461	70540.445	69989.875	121911.273	121833.367	121180.742	20.956	21.298	19.744
11/13/2023@01:50:00.000 PM	70082.813	70458.805	69898.094	121783.969	121676.5	121031.781	20.307	20.601	19.043
11/13/2023@02:00:00.000 PM	70136.016	70482.5	69957.57	121835.969	121744.359	121148.133	20.322	20.614	19.154
11/13/2023@02:10:00.000 PM	70142.688	70523.938	69981.055	121874.883	121814.953	121162.633	20.924	21.219	19.769
11/13/2023@02:20:00.000 PM	70058.938	70486.391	69934.617	121762.945	121761.977	121037.008	20.853	21.252	19.704
11/13/2023@02:30:00.000 PM	70053.742	70471.664	69897.422	121759.047	121708.414	120995.523	21.056	21.409	19.916
11/13/2023@02:40:00.000 PM	70141.328	70503.75	69946.891	121868.008	121754.992	121132.977	20.327	20.587	19.11
11/13/2023@02:50:00.000 PM	69272.063	69745.398	69168.43	120440.141	120475.938	119672.43	21.393	21.833	20.264
11/13/2023@03:00:00.000 PM	69256.227	69684.492	69135.5	120372.922	120376.828	119648.758	21.333	21.696	20.234
11/13/2023@03:10:00.000 PM	68934.18	69740.086	69104.516	120076.07	120591.32	119215.781	19.973	21.145	18.915
11/13/2023@03:20:00.000 PM	69227.047	69765.055	69182.398	120398.648	120548.984	119621.016	19.091	19.671	17.906
11/13/2023@03:30:00.000 PM	69243.93	69708.086	69163.617	120371.984	120449.078	119645.656	19.335	19.743	18.226
11/13/2023@03:40:00.000 PM	69194.938	69700.07	69149.516	120303.07	120456.242	119584.188	19.849	20.447	18.894
11/13/2023@03:50:00.000 PM	69239.469	69642.438	69113.297	120304.141	120326.242	119627.727	18.764	19.124	17.723
11/13/2023@04:00:00.000 PM	69086.758	69715.359	69187.047	120179.914	120582.484	119484.992	18.864	19.839	17.957
11/13/2023@04:10:00.000 PM	69191.555	69733.398	69181.258	120315.461	120538.922	119595.859	20.284	21.045	19.368

11/13/2023@04:20:00.000 PM	69229.539	69748.883	69167.961	120384.023	120526.539	119609.336	20.529	21.175	19.522
11/13/2023@04:30:00.000 PM	69216.898	69740.758	69205.148	120351.344	120549.273	119647.742	19.689	20.338	18.679
11/13/2023@04:40:00.000 PM	69070.891	69655.031	69118.875	120135.258	120436.57	119425.633	19.97	20.814	19.026
11/13/2023@04:50:00.000 PM	68918.875	69612.453	69025.109	119970.273	120368.578	119159.148	20.691	21.679	19.703
11/13/2023@05:00:00.000 PM	69015.109	69655.039	69112.18	120087.133	120450.672	119351.461	19.887	20.829	18.989
11/13/2023@05:10:00.000 PM	69116.898	69838.227	69291.156	120313.086	120807.906	119571.797	21.152	22.259	20.337
11/13/2023@05:20:00.000 PM	69098.219	69681.195	69159.703	120178.219	120493.445	119489.148	21.285	22.078	20.491
11/13/2023@05:30:00.000 PM	68622.547	69367.891	68888.188	119427.813	120089.117	118806.766	20.889	22.217	20.241
11/13/2023@05:40:00.000 PM	68781.211	69383.078	68910.508	119618.086	120041.625	119003.969	20.84	21.799	20.143
11/13/2023@05:50:00.000 PM	68664.352	69276.422	68817.938	119406.773	119876.539	118832.883	20.766	21.734	20.167
11/13/2023@06:00:00.000 PM	68731.117	69311.227	68869.852	119499.398	119934.641	118947.984	20.399	21.314	19.782
11/13/2023@06:10:00.000 PM	68652.102	69432.844	68978.094	119486.336	120236.656	118910.156	20.485	21.883	20.02
11/13/2023@06:20:00.000 PM	68703.883	69385.734	68941.359	119498.258	120128.336	118960.961	19.249	20.281	18.663
11/13/2023@06:30:00.000 PM	68761.93	69360.953	68932.484	119534.688	120060.563	119034.578	18.898	19.891	18.293
11/13/2023@06:40:00.000 PM	68730.773	69360.805	68964.719	119496.727	120107	119027.695	19.165	20.187	18.596
11/13/2023@06:50:00.000 PM	68401.891	69198.508	68755.102	119058.617	119856.313	118502.75	19.573	20.919	19.055

11/13/2023@07:00:00.000 PM	68301.391	69052.164	68681.469	118812.984	119664.516	118384.914	20.026	21.41	19.661
11/13/2023@07:10:00.000 PM	68697.047	69368.086	68972.695	119461.391	120141.859	118996.141	20.059	21.184	19.579
11/13/2023@07:20:00.000 PM	68458.086	69145.273	68786.922	119044.117	119799.547	118634.133	20.313	21.605	19.913
11/13/2023@07:30:00.000 PM	68578.531	69320.211	68872.023	119338.992	120030.961	118767.047	20.576	21.84	19.984
11/13/2023@07:40:00.000 PM	68452.078	69159.625	68748.539	119079.656	119774.867	118571.406	20.756	21.951	20.285
11/13/2023@07:50:00.000 PM	68592.852	69273.594	68794.391	119344.375	119878.711	118723.594	20.413	21.431	19.751
11/13/2023@08:00:00.000 PM	69127.664	69702.695	69261.68	120193.68	120615.594	119616.25	20.576	21.36	19.837
11/13/2023@08:10:00.000 PM	69056.688	69709.367	69280.789	120101.953	120689.977	119555.164	20.502	21.418	19.838
11/13/2023@08:20:00.000 PM	69023.953	69803.297	69297.297	120170.547	120828.508	119482.734	20.851	21.897	20.052
11/13/2023@08:30:00.000 PM	69019.578	69859.672	69327.734	120204.445	120934.586	119485.531	21.226	22.364	20.464
11/13/2023@08:40:00.000 PM	69271.07	69886.469	69425.266	120475.07	120926.375	119874.125	21.359	22.163	20.653
11/13/2023@08:50:00.000 PM	69274.508	69911.797	69482.203	120474.43	121019.805	119929.531	21.836	22.762	21.248
11/13/2023@09:00:00.000 PM	69443.781	69997.656	69653.273	120672.352	121216.188	120273.57	21.403	22.298	20.98
11/13/2023@09:10:00.000 PM	69430.547	70024.063	69670.688	120669.781	121284.578	120260.625	20.812	21.778	20.276
11/13/2023@09:20:00.000 PM	69524.641	70002.648	69679.734	120750.344	121214.734	120391.508	20.915	21.645	20.485
11/13/2023@09:30:00.000 PM	69748.086	70224.695	69866.484	121156.367	121561.469	120733.914	20.844	21.42	20.312

11/13/2023@09:40:00.000 PM	69171.789	69814.508	69449.039	120268.578	120931.445	119819.781	20.854	21.786	20.289
11/13/2023@09:50:00.000 PM	69460.727	69980.742	69590.898	120706.883	121123.875	120233.453	21.854	22.463	21.27
11/13/2023@10:00:00.000 PM	69418.328	70003.188	69582.844	120671.867	121173.203	120160.508	21.4	22.142	20.828
11/13/2023@10:10:00.000 PM	69157.984	70056.313	69586.219	120455.539	121372.609	119824.359	21.643	22.987	21.073
11/13/2023@10:20:00.000 PM	69523.422	70136.523	69766.367	120866.367	121464.266	120405.797	21.38	22.221	20.781
11/13/2023@10:30:00.000 PM	69378.766	70106.922	69661.664	120725.711	121397.016	120130.43	21.198	22.199	20.449
11/13/2023@10:40:00.000 PM	69741.867	70328.969	69941.641	121242.523	121771.75	120737.398	15.303	15.678	14.575
11/13/2023@10:50:00.000 PM	69756.523	70316.523	69946.953	121242.227	121749.234	120773.281	14.987	15.389	14.297
11/13/2023@11:00:00.000 PM	69691.07	70347.852	69922.047	121214.828	121798.875	120648.773	15.543	16.016	14.758
11/13/2023@11:10:00.000 PM	69572.914	70234.32	69842.273	120993.172	121638.43	120491.445	17.474	18.171	16.775
11/13/2023@11:20:00.000 PM	69374.156	70037.32	69689.297	120623.711	121353.805	120194.93	19.34	20.165	18.815
11/13/2023@11:30:00.000 PM	69740.703	70274.508	69899.18	121198.117	121658.32	120725.406	18.768	19.324	18.095
11/13/2023@11:40:00.000 PM	69848.539	70374.188	70006.242	121377.695	121836.641	120912.352	18.108	18.702	17.511
11/13/2023@11:50:00.000 PM	69838.398	70287.578	69950.227	121296.539	121674.57	120890.969	19	19.563	18.472
11/14/2023@12:00:00.000 AM	69982.789	70557.258	70146.867	121659.766	122128.063	121132.125	19.908	20.707	19.269
11/14/2023@12:10:00.000 AM	70144.914	70684.266	70238.469	121941.141	122282.195	121356.188	20.985	21.616	20.21

11/14/2023@12:20:00.000 AM	70170.234	70609.844	70248.391	121881.469	122193.453	121436.648	21.286	21.829	20.653
11/14/2023@12:30:00.000 AM	70410.344	70882.18	70472.078	122337.133	122632.672	121816.828	20.533	21	19.799
11/14/2023@12:40:00.000 AM	70083.234	70605.469	70212.781	121789.461	122207.93	121294.203	19.697	20.292	18.914
11/14/2023@12:50:00.000 AM	70112.07	70709.109	70255.336	121919.109	122358.203	121317.484	19.444	20.101	18.602
11/14/2023@01:00:00.000 AM	70179.672	70701.367	70300.797	121960.391	122366.82	121449.961	19.735	20.405	18.95
11/14/2023@01:10:00.000 AM	70189.742	70698.469	70305.547	121972.867	122352.469	121472.563	20.534	21.227	19.869
11/14/2023@01:20:00.000 AM	70404.977	70845.461	70489.891	122278.484	122619.43	121846.578	20.573	21.149	19.973
11/14/2023@01:30:00.000 AM	70461.469	70853.109	70494.273	122341.602	122603.195	121918.406	20.789	21.242	20.168
11/14/2023@01:40:00.000 AM	70467.625	70959.922	70538.156	122450.414	122769.094	121915.453	20.484	21.044	19.707
11/14/2023@01:50:00.000 AM	70609.539	71043.984	70645.805	122649.703	122910.008	122153.078	20.21	20.65	19.462
11/14/2023@02:00:00.000 AM	70554.953	71053.484	70644.234	122603.461	122947.867	122080.625	16.447	17.071	15.782
11/14/2023@02:10:00.000 AM	70378.125	70858.773	70422.953	122296.344	122573.523	121735.32	19.548	20.156	18.77
11/14/2023@02:20:00.000 AM	70496.641	71004.086	70549.594	122532.977	122815.57	121933.031	20.509	21.004	19.597
11/14/2023@02:30:00.000 AM	70369.93	70828.211	70398.43	122269.016	122510.844	121715.789	20.014	20.44	19.17
11/14/2023@02:40:00.000 AM	70405.352	70867.336	70494.508	122303.453	122647.734	121839.867	19.064	19.541	18.288
11/14/2023@02:50:00.000 AM	70527.578	70997.43	70577.555	122543.875	122823.93	122004.227	19.315	19.933	18.692

11/14/2023@03:00:00.000 AM	70414.586	70900.906	70463.758	122370.922	122639.852	121801.32	19.311	19.756	18.475
11/14/2023@03:10:00.000 AM	70338.539	70788.945	70372.297	122204.352	122449.852	121673.805	19.246	19.676	18.517
11/14/2023@03:20:00.000 AM	70401.695	70858.234	70411.039	122333.094	122543.758	121747.695	19.714	20.145	18.975
11/14/2023@03:30:00.000 AM	70366.031	70787.563	70291.625	122244.266	122363.891	121625.383	18.959	19.298	18.127
11/14/2023@03:40:00.000 AM	70530.711	70957.805	70476.617	122533.07	122670.906	121930.078	18.673	18.963	17.799
11/14/2023@03:50:00.000 AM	70489.727	70955.438	70507.023	122488.086	122718.555	121904.945	18.841	19.212	17.968
11/14/2023@04:00:00.000 AM	70484.164	70937.797	70476.914	122466.914	122672.891	121879.469	19.748	20.126	18.948
11/14/2023@04:10:00.000 AM	70539.055	71009.266	70517.758	122582.438	122769.508	121956.992	20.014	20.404	19.179
11/14/2023@04:20:00.000 AM	70517.695	71018.031	70535.039	122572.492	122801.297	121943.289	19.565	19.945	18.673
11/14/2023@04:30:00.000 AM	70536.438	71021.172	70538.078	122598.719	122800.992	121960.539	18.736	19.085	17.758
11/14/2023@04:40:00.000 AM	70683.023	71179.547	70725.234	122849.867	123112.078	122250.609	19.144	19.634	18.298
11/14/2023@04:50:00.000 AM	70684.766	71165.859	70720.836	122836.133	123092.672	122255.391	18.448	18.864	17.564
11/14/2023@05:00:00.000 AM	70672.5	71153.555	70667.43	122838.328	123017.992	122192.938	18.813	19.203	17.933
11/14/2023@05:10:00.000 AM	70743.242	71208.586	70764.953	122932.195	123151.375	122352.367	19.244	19.702	18.472
11/14/2023@05:20:00.000 AM	70800.938	71289.93	70832.703	123052.578	123295.227	122446.289	19.544	19.971	18.672
11/14/2023@05:30:00.000 AM	70802.195	71319.555	70862.414	123070.742	123351.906	122476.469	19.204	19.699	18.335

11/14/2023@05:40:00.000 AM	70816.852	71328.914	70890.469	123088.094	123390.891	122510.258	19.199	19.684	18.325
11/14/2023@05:50:00.000 AM	70878.016	71305.859	70926.922	123110.797	123367.203	122640.359	19.342	19.745	18.672
11/14/2023@06:00:00.000 AM	70703.234	71196.766	70763.211	122872.516	123159.055	122311.563	18.893	19.408	18.085
11/14/2023@06:10:00.000 AM	70675.57	71200.141	70761.102	122845.711	123171.859	122279.883	19.334	20.057	18.836
11/14/2023@06:20:00.000 AM	70631.969	71212.148	70743.602	122821.445	123187.773	122203.211	19.92	20.54	19.105
11/14/2023@06:30:00.000 AM	70824.234	71359.977	70909.156	123118.328	123446.641	122523.219	19.584	20.156	18.735
11/14/2023@06:40:00.000 AM	70481.953	71169.516	70787.867	122573.367	123276.141	122105.633	18.911	19.86	18.251
11/14/2023@06:50:00.000 AM	70380.609	71150.5	70723.414	122469.273	123237.781	121928.023	19.697	20.904	19.308
11/14/2023@07:00:00.000 AM	70545.586	70993.102	70642.758	122535.766	122867.758	122105.07	19.525	20.009	18.871
11/14/2023@07:10:00.000 AM	70485.758	70986.32	70552.805	122502.578	122791.344	121943.68	19.644	20.139	18.84
11/14/2023@07:20:00.000 AM	70506.742	70888.031	70539.188	122412.492	122660.125	122007.375	19.199	19.567	18.529
11/14/2023@07:30:00.000 AM	70328.75	70760.125	70414.156	122131.008	122471.742	121730.797	18.56	19.062	18.009
11/14/2023@07:40:00.000 AM	70061.867	70583.727	70251.883	121720.953	122227.828	121335.875	19.19	19.872	18.634
11/14/2023@07:50:00.000 AM	69969.117	70496.953	70102.43	121599.656	122007.211	121108.078	20.236	20.747	19.558
11/14/2023@08:00:00.000 AM	69796.031	70271.508	69919.023	121248.695	121630.477	120827.82	19.911	20.421	19.312
11/14/2023@08:10:00.000 AM	69834.477	70299.172	69947.781	121306.898	121674.797	120889.617	19.169	19.685	18.535

11/14/2023@08:20:00.000 AM	69906.398	70366.117	69961.906	121457.891	121727.625	120950.875	19.193	19.634	18.448
11/14/2023@08:30:00.000 AM	69699.367	70152.898	69797.789	121065.133	121413.68	120645.328	20.218	20.713	19.62
11/14/2023@08:40:00.000 AM	69073.742	69433.023	69179.164	119870.727	120230.625	119630.781	19.878	20.294	19.477
11/14/2023@08:50:00.000 AM	68980.336	69456.547	69086.32	119842.844	120198.289	119399.242	19.617	20.086	18.921
11/14/2023@09:00:00.000 AM	69139.531	69631.117	69237.391	120133.328	120489.883	119656.914	18.768	19.757	19.422
11/14/2023@09:10:00.000 AM	68795.938	69421.727	69030.422	119626.953	120205.094	119131.602	17.841	18.547	17.018
11/14/2023@09:20:00.000 AM	68775.242	69233.133	68869.188	119480.422	119805.125	119036.547	19.88	20.268	19.133
11/14/2023@09:30:00.000 AM	68834.234	69428.531	69107.453	119638.367	120272.414	119264.383	19.122	19.973	18.555
11/14/2023@09:40:00.000 AM	69026.664	69643.07	69306.031	119992.898	120638	119593.133	19.164	20.029	18.538
11/14/2023@09:50:00.000 AM	68806.711	69378.289	69026.953	119588.289	120137.063	119175.82	18.544	19.354	17.897
11/14/2023@10:00:00.000 AM	68511.156	69085.391	68714.133	119086.93	119612.141	118641.094	19.09	19.917	18.397
11/14/2023@10:10:00.000 AM	68455.469	68958.242	68572.328	118958.945	119331.43	118487.508	19.335	19.963	18.658
11/14/2023@10:20:00.000 AM	68196.5	68769.547	68382.195	118555.852	119037.711	118079.695	20.186	20.883	19.537
11/14/2023@10:30:00.000 AM	68184.063	68700.5	68330.336	118488.25	118907.625	118046.164	20.278	20.969	19.687
11/14/2023@10:40:00.000 AM	68282.133	68740.688	68376.766	118621.023	118950.102	118190.813	19.568	20.16	18.87
11/14/2023@10:50:00.000 AM	68150.305	68598.578	68258.617	118374.453	118728.57	117979.977	19.398	20.017	18.714

11/14/2023@11:00:00.000 AM	67955.188	68578.578	68192.375	118169.164	118735.805	117690.719	20.069	20.911	19.334
11/14/2023@11:10:00.000 AM	67969.008	68487.953	68121.266	118113.313	118542.82	117683.398	20.497	21.123	19.847
11/14/2023@11:20:00.000 AM	67637.758	68444.117	67979.711	117763.891	118524.203	117156.414	20.028	21.152	19.296
11/14/2023@11:30:00.000 AM	67699.805	68342.281	67942.859	117743.602	118322.094	117246.258	19.674	20.527	18.951
11/14/2023@11:40:00.000 AM	67899.68	68400.109	68031.32	117993.57	118377.641	117540.281	19.377	19.993	18.59
11/14/2023@11:50:00.000 AM	67914.305	68400.75	68019.68	118013.188	118354.43	117550.133	19.661	20.216	18.883
11/14/2023@12:00:00.000 PM	67736.781	68400.945	67979.25	117829.891	118412.438	117298.289	20.325	21.247	19.553
11/14/2023@12:10:00.000 PM	67909.039	68361.984	67987.555	117977.813	118282.148	117526.008	20.428	20.943	19.705
11/14/2023@12:20:00.000 PM	67907.766	68363.297	68002.07	117975.25	118300.945	117534.93	19.822	20.358	19.13
11/14/2023@12:30:00.000 PM	67931.82	68347.789	68014.141	117971.383	118288.086	117587.266	19.894	20.396	19.251
11/14/2023@12:40:00.000 PM	67911.656	68380.93	68019.516	117988.539	118338.359	117551.727	19.612	20.116	18.921
11/14/2023@12:50:00.000 PM	67969.375	68392.805	68060.281	118051.352	118360.25	117658.141	19.591	20.09	18.942
11/14/2023@01:00:00.000 PM	67631.336	68293.195	67920.711	117620.852	118282.094	117166.961	20.179	21.067	19.57
11/14/2023@01:10:00.000 PM	67981.922	68394.586	68034.508	118076.594	118331.539	117641.836	19.706	20.219	18.932
11/14/2023@01:20:00.000 PM	67969.594	68450.203	68054.75	118111.711	118428.977	117619.336	19.541	20.12	18.756
11/14/2023@01:30:00.000 PM	67949.367	68348.82	67981.242	118014.367	118231.133	117576.508	20.362	20.866	19.712

11/14/2023@01:40:00.000 PM	67940.813	68337.641	67957.695	118003.867	118198	117545.242	20.202	20.673	19.503
11/14/2023@01:50:00.000 PM	68067.133	68456.008	68077.813	118216.945	118401.492	117760.477	20.045	20.474	19.331
11/14/2023@02:00:00.000 PM	68137.531	68508.641	68151.336	118311.813	118517.805	117889.75	19.799	20.208	19.088
11/14/2023@02:10:00.000 PM	67986.844	68474.25	68090.148	118131.445	118493.805	117667.523	19.604	20.237	18.898
11/14/2023@02:20:00.000 PM	68091.656	68438.125	68101.719	118211.219	118401.648	117818.969	20.731	21.142	20.159
11/14/2023@02:30:00.000 PM	67760.266	68343.57	67912.414	117811.531	118269.148	117285.297	20.638	21.374	19.995
11/14/2023@02:40:00.000 PM	67699.547	68325.977	67876.703	117742.625	118248.734	117177.258	19.999	20.751	19.275
11/14/2023@02:50:00.000 PM	67738.984	68419.492	68009.117	117798.953	118491.75	117337.352	18.727	19.806	18.078
11/14/2023@03:00:00.000 PM	67886.375	68330.289	67898.094	117934.664	118181.633	117420.461	18.878	19.411	18.128
11/14/2023@03:10:00.000 PM	67786.992	68363.844	67922.633	117855.477	118295.047	117314.711	19.495	20.286	18.788
11/14/2023@03:20:00.000 PM	67783.813	68325.273	67935.852	117815.945	118256.289	117343.609	20.272	21.048	19.639
11/14/2023@03:30:00.000 PM	67882.969	68314.734	67947.5	117910.867	118201.875	117476.75	20.77	21.317	20.171
11/14/2023@03:40:00.000 PM	67916.109	68357.594	67965.375	117978.992	118260.914	117512.164	20.267	20.775	19.585
11/14/2023@03:50:00.000 PM	67824.031	68392.258	68004.594	117897.57	118392.305	117430.656	19.754	20.579	19.121
11/14/2023@04:00:00.000 PM	67826.813	68414.445	68020.727	117917.219	118428.719	117445.781	19.622	20.444	18.995
11/14/2023@04:10:00.000 PM	67996.68	68434.641	68045.844	118121.055	118385.453	117658.016	19.996	20.539	19.371

11/14/2023@04:20:00.000 PM	67999.492	68442.094	68077.188	118118.375	118431.289	117686.836	19.915	20.471	19.323
11/14/2023@04:30:00.000 PM	68065.914	68541.977	68150.219	118257.875	118594.891	117798.367	19.745	20.369	19.148
11/14/2023@04:40:00.000 PM	67997.023	68454.836	68088.094	118115.992	118464.289	117692.922	19.291	19.922	18.655
11/14/2023@04:50:00.000 PM	67975.672	68464.047	68080.094	118107.859	118476.234	117654.266	19.295	19.95	18.634
11/14/2023@05:00:00.000 PM	67879.211	68462.18	68042.891	118007.484	118487.383	117508.742	20.215	21.077	19.633
11/14/2023@05:10:00.000 PM	67825.758	68413.133	68012.852	117909.859	118433.328	117430.734	19.882	20.754	19.31
11/14/2023@05:20:00.000 PM	67835.383	68422.336	68054.82	117912.414	118476.789	117489.945	19.342	20.254	18.773
11/14/2023@05:30:00.000 PM	67941.211	68401.414	68043.672	118027.102	118375.82	117604.141	20.131	20.713	19.497
11/14/2023@05:40:00.000 PM	67983.531	68491.328	68101.328	118148.031	118522.242	117665.758	19.539	20.142	18.817
11/14/2023@05:50:00.000 PM	68498.953	68938.969	68574.156	118995.789	119283.531	118543.734	19.729	20.15	19.002
11/14/2023@06:00:00.000 PM	68247.234	68797.445	68389.531	118650.25	119052.086	118119.68	19.339	19.899	18.51
11/14/2023@06:10:00.000 PM	68044.563	68803.898	68331.461	118455.102	119112.391	117814.172	19.332	20.202	18.409
11/14/2023@06:20:00.000 PM	68539.805	68979.703	68638.992	119045.383	119395.586	118635.563	19.372	19.895	18.643
11/14/2023@06:30:00.000 PM	68585.57	69034.477	68652.242	119161.523	119435.672	118676.578	19.948	20.412	19.266
11/14/2023@06:40:00.000 PM	68598.852	69009.445	68650.391	119145.219	119398.234	118706.781	20.555	20.96	19.889
11/14/2023@06:50:00.000 PM	68359.766	68795.203	68406.766	118761.336	119007.242	118274.539	19.888	20.325	19.188

11/14/2023@07:00:00.000 PM	68487.82	68917.008	68597.508	118939.438	119298.352	118568.297	19.226	19.695	18.557
11/14/2023@07:10:00.000 PM	68360.211	68903.336	68488.43	118838.594	119230.547	118303.375	19.424	19.995	18.573
11/14/2023@07:20:00.000 PM	68356.852	68967.086	68541.719	118880.141	119360.523	118328.719	19.653	20.401	18.943
11/14/2023@07:30:00.000 PM	68405.922	68855.375	68419.648	118879.922	119067.492	118302.086	20.979	21.294	20.157
11/14/2023@07:40:00.000 PM	68288.078	68779.867	68393.688	118668.031	119013.289	118188.336	20.648	21.204	19.925
11/14/2023@07:50:00.000 PM	68535.297	68952.859	68595.75	119033.258	119313.141	118601.023	19.706	20.125	18.977
11/14/2023@08:00:00.000 PM	68341.125	68945.68	68680.414	118755.234	119508.172	118481.648	19.533	20.55	19.137
11/14/2023@08:10:00.000 PM	68314.039	68968.789	68544.5	118836.555	119389.016	118277.43	20.812	21.589	20.103
11/14/2023@08:20:00.000 PM	68381.195	68974.242	68593.484	118885.07	119413.875	118414.617	20.461	21.179	19.815
11/14/2023@08:30:00.000 PM	68521.391	69005.625	68697.898	119023.375	119489.992	118678.141	20.475	21.166	20.005
11/14/2023@08:40:00.000 PM	68392.43	68850.914	68508.086	118804.078	119171.344	118396.086	19.536	20.076	18.902
11/14/2023@08:50:00.000 PM	68499.258	69046.945	68654.68	119064.836	119502.781	118582.313	19.652	20.322	18.929
11/14/2023@09:00:00.000 PM	68458.586	68937.625	68647.391	118903.305	119385.352	118588.852	20.103	20.753	19.618
11/14/2023@09:10:00.000 PM	68633.305	69180.398	68844.273	119270.766	119796.047	118874.875	19.586	20.31	19.032
11/14/2023@09:20:00.000 PM	68579.688	69055.242	68793.477	119093.344	119628.141	118822.344	20.098	20.823	19.654
11/14/2023@09:30:00.000 PM	68627.641	69202.922	68887.742	119257.477	119879.711	118908.844	20.028	20.903	19.556

11/14/2023@09:40:00.000 PM	68807.523	69247.5	68918.664	119505.102	119854.406	119129.078	20.403	20.932	19.847
11/14/2023@09:50:00.000 PM	68768.484	69232.852	68879.164	119465.656	119823.266	119038.242	19.646	20.177	18.996
11/14/2023@10:00:00.000 PM	68678.477	69133	68821.359	119285.141	119691.266	118921.727	19.48	20.017	18.862
11/14/2023@10:10:00.000 PM	68847.813	69350.836	68959.648	119646.164	120010.227	119151.875	19.125	19.652	18.273
11/14/2023@10:20:00.000 PM	68934.117	69371.914	69012.398	119740.07	120046.867	119298.758	19.99	20.501	19.301
11/14/2023@10:30:00.000 PM	68729.945	69244.094	68859.828	119442.039	119840.57	118963.766	20.185	20.746	19.436
11/14/2023@10:40:00.000 PM	68944.273	69408.883	69057	119771.906	120130.008	119342.594	20.593	21.1	19.962
11/14/2023@10:50:00.000 PM	68929.414	69412.195	69156.844	119694.273	120264.695	119438.195	19.879	20.632	19.458
11/14/2023@11:00:00.000 PM	68686.773	69343.602	69092.766	119378.188	120234.148	119124.813	19.761	20.959	19.42
11/14/2023@11:10:00.000 PM	69074.617	69498.406	69240.023	119913.023	120371.156	119658	20.044	20.765	19.631
11/14/2023@11:20:00.000 PM	69214.172	69648.734	69385.258	120165.508	120631.508	119898.844	20.363	21.062	19.916
11/14/2023@11:30:00.000 PM	68983.828	69481.914	69186.984	119823.125	120340.773	119500.711	21.14	21.927	20.701
11/14/2023@11:40:00.000 PM	68531.984	69288.891	68912.172	119239.836	120059.172	118772.539	21.278	22.454	20.741
11/14/2023@11:50:00.000 PM	68792.477	69368.727	69029.984	119564.195	120135.414	119165.609	20.83	21.712	20.339
11/15/2023@12:00:00.000 AM	69025.203	69528.477	69182.859	119921.922	120369.617	119518.266	20.176	20.916	19.558
11/15/2023@12:10:00.000 AM	68975.617	69520.242	69181.953	119863.688	120385.469	119458.883	19.93	20.725	19.281

11/15/2023@12:20:00.000 AM	69281.852	69757.156	69406.727	120355.547	120746.555	119936.07	19.859	20.501	19.216
11/15/2023@12:30:00.000 AM	69246.961	69639.875	69371.438	120198.867	120590.828	119923.711	21.032	21.652	20.611
11/15/2023@12:40:00.000 AM	69156.945	69575.82	69311.297	120061.664	120494.023	119786.672	21.273	21.934	20.843
11/15/2023@12:50:00.000 AM	69494.586	69919.938	69573.086	120691.547	120995.742	120289.531	21.072	21.632	20.554
11/15/2023@01:00:00.000 AM	69553.563	70048.102	69668.156	120858.281	121220.234	120387.117	20.423	21.074	19.765
11/15/2023@01:10:00.000 AM	69652.25	70125.766	69735.563	121018.789	121337.984	120531.039	20.309	20.883	19.59
11/15/2023@01:20:00.000 AM	69491.68	69896.461	69617.891	120646.719	121032.383	120329.453	20.204	20.834	19.699
11/15/2023@01:30:00.000 AM	69649.828	70072.031	69718.32	120970.352	121250.977	120539.328	21.284	21.74	20.684
11/15/2023@01:40:00.000 AM	69722.031	70228.031	69857.383	121151.117	121551.641	120693.992	21.634	22.34	21.077
11/15/2023@01:50:00.000 AM	69781.844	70271.727	69928.641	121225.352	121653.727	120820.32	20.599	21.324	20.063
11/15/2023@02:00:00.000 AM	69909.758	70323.336	69986.172	121399.844	121709.695	121000.461	20.304	20.859	19.729
11/15/2023@02:10:00.000 AM	69692.758	70131.695	69811.352	121029.313	121407.039	120663.078	19.587	20.179	18.972
11/15/2023@02:20:00.000 AM	69949.367	70423.922	70063.57	121524.625	121885.273	121077.016	20.029	20.666	19.391
11/15/2023@02:30:00.000 AM	69968.805	70423.75	70074.016	121541.773	121883.703	121112.914	20.088	20.662	19.426
11/15/2023@02:40:00.000 AM	69967.992	70495.094	70065.023	121620.641	121963.742	121060.586	20.215	20.815	19.386
11/15/2023@02:50:00.000 AM	70041.711	70531.953	70223.484	121656.438	122142.32	121311.867	20.069	20.777	19.498

11/15/2023@03:00:00.000 AM	69944.086	70541.703	70152.586	121597.328	122126.648	121111.938	19.557	20.42	18.926
11/15/2023@03:10:00.000 AM	70102.625	70696.078	70402.93	121817.109	122501.414	121492.859	19.829	20.866	19.452
11/15/2023@03:20:00.000 AM	70625.961	71099.742	70712.227	122705.555	123022.391	122224.977	20.075	20.652	19.406
11/15/2023@03:30:00.000 AM	70570.438	71102.422	70732.602	122632.703	123084.258	122179.602	19.986	20.792	19.365
11/15/2023@03:40:00.000 AM	70653.852	71122.875	70770.602	122729.953	123108.758	122303.492	20.896	21.609	20.351
11/15/2023@03:50:00.000 AM	70715.508	71114.102	70745.422	122801.008	123031.063	122358.289	21.149	21.558	20.45
11/15/2023@04:00:00.000 AM	70581.852	71063.102	70674.602	122635.313	122964.867	122147.688	20.995	21.547	20.34
11/15/2023@04:10:00.000 AM	70881.211	71305.242	70962.422	123094.82	123400.953	122688.461	20.378	20.91	19.794
11/15/2023@04:20:00.000 AM	70702.016	71119.031	70766.32	122782.813	123067.164	122361.742	19.576	20.107	18.943
11/15/2023@04:30:00.000 AM	70807.031	71267.148	70870.555	123014.813	123303.406	122512.461	20.006	20.572	19.228
11/15/2023@04:40:00.000 AM	70758.867	71070.055	70657.18	122857.156	122853.672	122325.672	20.812	20.962	19.911
11/15/2023@04:50:00.000 AM	70836.07	71260.453	70875.93	123040.656	123279.5	122558.531	21.108	21.562	20.407
11/15/2023@05:00:00.000 AM	70579.813	71052.461	70684.227	122611.781	122965.398	122165.383	20.739	21.396	20.127
11/15/2023@05:10:00.000 AM	70686.688	71111	70735.5	122768.664	123036.516	122312.703	20.106	20.595	19.346
11/15/2023@05:20:00.000 AM	70864.57	71248.477	70920.859	123033.109	123297.039	122654.961	20.132	20.626	19.487
11/15/2023@05:30:00.000 AM	70771.234	71224.008	70876.172	122919.508	123278.25	122505.906	20.327	20.976	19.735

11/15/2023@05:40:00.000 AM	70681.617	71169.586	70775.992	122816.281	123147.266	122317.195	20.555	21.191	19.83
11/15/2023@05:50:00.000 AM	70721.219	71259.617	70861.32	122913.367	123324.352	122415.313	20.916	21.65	20.277
11/15/2023@06:00:00.000 AM	70761.594	71197.492	70883.398	122879.023	123253.125	122521.391	21.43	22.112	20.96
11/15/2023@06:10:00.000 AM	70613.359	71248.219	70855.703	122779.859	123365.227	122291.344	21.099	22.102	20.562
11/15/2023@06:20:00.000 AM	70300.781	71018.719	70606.594	122301.945	122999.82	121764.289	20.356	21.531	19.763
11/15/2023@06:30:00.000 AM	70473.039	71045.625	70648.594	122498.531	122980.313	122005.172	20.288	21.109	19.655
11/15/2023@06:40:00.000 AM	70634.57	71214.844	70818.078	122783.789	123277.563	122288.984	20.074	20.925	19.411
11/15/2023@06:50:00.000 AM	70738.984	71198.156	70848.5	122866.148	123236.727	122452.227	19.968	20.598	19.326
11/15/2023@07:00:00.000 AM	70393.578	70934.461	70616.758	122302.289	122857.18	121939.117	20.476	21.319	19.993
11/15/2023@07:10:00.000 AM	70608.906	71098.586	70737.758	122674.805	123063.984	122226.734	20.666	21.386	20.086
11/15/2023@07:20:00.000 AM	70504.211	70950.695	70641.891	122438.969	122836.305	122086.617	21.051	21.69	20.567
11/15/2023@07:30:00.000 AM	70146.492	70728.195	70405.617	121899.961	122518.617	121529.117	20.468	21.442	20.027
11/15/2023@07:40:00.000 AM	70236.617	70771.828	70376.758	122071.617	122483.477	121574.391	20.21	20.933	19.535
11/15/2023@07:50:00.000 AM	70077.266	70577.266	70212.047	121757.016	122165.047	121309.133	19.73	20.407	18.996
11/15/2023@08:00:00.000 AM	69770.453	70212.75	69878.836	121173.5	121534.195	120783.539	19.829	20.367	19.171
11/15/2023@08:10:00.000 AM	69829.336	70248.344	69929.313	121261.781	121593.867	120886.727	19.182	19.693	18.619

11/15/2023@08:20:00.000 AM	69645.547	70071.141	69726.711	120958.234	121264.516	120543.461	19.722	20.158	19.153
11/15/2023@08:30:00.000 AM	69831.734	70273.266	69901.969	121298.695	121602.32	120841.336	18.596	19.114	17.869
11/15/2023@08:40:00.000 AM	69533.859	70023.578	69686.211	120789.352	121229.547	120401.203	18.429	19.086	17.814
11/15/2023@08:50:00.000 AM	69744.961	70179.93	69869.258	121107.484	121502.102	120764.031	18.376	18.935	17.808
11/15/2023@09:00:00.000 AM	69536.148	70062.977	69722.789	120821.805	121312.289	120421.594	18.803	19.579	18.289
11/15/2023@09:10:00.000 AM	69167.617	69831.141	69445.313	120289.57	120939.039	119806.57	18.602	19.559	18.035
11/15/2023@09:20:00.000 AM	69342.063	69850.484	69475.352	120492.273	120898.664	120031.961	18.498	19.074	17.822
11/15/2023@09:30:00.000 AM	69407.57	69902.875	69524.891	120595.484	120986.195	120131.313	18.633	19.174	17.904
11/15/2023@09:40:00.000 AM	69177.172	69675.367	69311.086	120193.023	120605.063	119751.422	18.254	18.833	17.521
11/15/2023@09:50:00.000 AM	69244.766	69697.945	69348.758	120281.516	120633.016	119856.492	18.658	19.136	18.039
11/15/2023@10:00:00.000 AM	67974.117	69201.805	68612.539	118677.992	119931.227	117826.406	18.5	20.189	17.702
11/15/2023@10:10:00.000 AM	68011.336	68707.336	68288.063	118325.984	118971.766	117783.719	18.81	19.671	18.075
11/15/2023@10:20:00.000 AM	68085.563	68659.078	68320.328	118328.883	118915.422	117938.148	18.916	19.746	18.409
11/15/2023@10:30:00.000 AM	68333.094	68980.297	68585.914	118835.617	119448.617	118343.164	18.986	19.885	18.376
11/15/2023@10:40:00.000 AM	68305.828	68765.328	68417.367	118656.586	119019.133	118240.422	19.154	19.749	18.625
11/15/2023@10:50:00.000 AM	67977.477	68575.102	68199.109	118188.031	118734.109	117717.648	18.986	19.795	18.414

11/15/2023@11:00:00.000 AM	67737.758	68291.758	67909.328	117743.586	118213.586	117274.719	19.544	20.336	18.888
11/15/2023@11:10:00.000 AM	68161.711	68619.039	68280.773	118402.016	118782.18	117992.305	19.76	20.411	19.092
11/15/2023@11:20:00.000 AM	67682.281	68379.742	67953.164	117760.703	118400.383	117203.086	19.585	20.603	18.761
11/15/2023@11:30:00.000 AM	67799.883	68410.867	68039.688	117881.227	118466.508	117423.914	20.091	20.975	19.434
11/15/2023@11:40:00.000 AM	67728.164	68331.953	67907.031	117784.914	118262.5	117233.664	20.053	20.797	19.321
11/15/2023@11:50:00.000 AM	68035.742	68516.305	68168.055	118204.195	118598.078	117782.93	20.645	21.309	20.133
11/15/2023@12:00:00.000 PM	67758.742	68264.711	67883.922	117756.805	118139.961	117280.805	21.029	21.765	20.437
11/15/2023@12:10:00.000 PM	67830.586	68434.273	68028.711	117949.047	118460.82	117436.563	20.246	21.154	19.572
11/15/2023@12:20:00.000 PM	67802.938	68457.063	68045.102	117932.563	118524.719	117409.008	20.655	21.651	19.962
11/15/2023@12:30:00.000 PM	67995.031	68479.227	68113.125	118141.289	118512.633	117701.461	20.581	21.224	19.916
11/15/2023@12:40:00.000 PM	67773.141	68369.359	67984.859	117839.563	118364.984	117353.945	20.25	21.094	19.61
11/15/2023@12:50:00.000 PM	67838.914	68336.742	67947.422	117896.406	118245.047	117409.773	20.281	20.893	19.586
11/15/2023@01:00:00.000 PM	67968.234	68508.227	68159.914	118117.453	118617.914	117704.813	19.531	20.326	18.912
11/15/2023@01:10:00.000 PM	67820.586	68234.945	67913.148	117768.813	118108.063	117406.836	19.781	20.388	19.19
11/15/2023@01:20:00.000 PM	67864.828	68344.039	67927.18	117941.891	118223.609	117408.18	20.711	21.247	19.935
11/15/2023@01:30:00.000 PM	67709.5	68174.352	67796.742	117650.789	117957.391	117176.641	20.79	21.344	20.137

11/15/2023@01:40:00.000 PM	68044.445	68450.828	68084.969	118187.219	118419.883	117735.867	20.778	21.188	20.118
11/15/2023@01:50:00.000 PM	68048.328	68440.352	68069.727	118186.344	118390.258	117728.633	20.868	21.249	20.185
11/15/2023@02:00:00.000 PM	67921.625	68374.211	67979.07	118012.469	118284.914	117516.789	20.288	20.77	19.551
11/15/2023@02:10:00.000 PM	68067.781	68517.289	68106.93	118272.508	118516.18	117747.969	20.113	20.583	19.325
11/15/2023@02:20:00.000 PM	67918.594	68606.289	68147.492	118182.938	118748.352	117571.227	20.535	21.419	19.745
11/15/2023@02:30:00.000 PM	68098.539	68493.617	68131.961	118271.094	118491.82	117829.297	20.612	21.007	19.967
11/15/2023@02:40:00.000 PM	67885.703	68214.82	67828.32	117866.594	117950.484	117397.805	20.284	20.529	19.515
11/15/2023@02:50:00.000 PM	68177.164	68569.625	68171.133	118419.203	118590.633	117918.047	19.651	20.034	18.802
11/15/2023@03:00:00.000 PM	68166.188	68550.336	68160.141	118383.156	118562.539	117910.781	19.551	19.863	18.781
11/15/2023@03:10:00.000 PM	67987.773	68453.117	68019.938	118135.688	118391.422	117609.047	20.158	20.702	19.432
11/15/2023@03:20:00.000 PM	68019.836	68422.414	68019.188	118140.336	118339.305	117657.648	20.507	21.007	19.829
11/15/2023@03:30:00.000 PM	67916.297	68370.945	67938.805	118008.172	118241.773	117479.68	20.927	21.47	20.233
11/15/2023@03:40:00.000 PM	67895.203	68364.703	67919.805	117990.867	118229.992	117428.508	19.909	20.414	19.069
11/15/2023@03:50:00.000 PM	67894.195	68337.07	67908.555	117972.086	118178.859	117429.297	19.902	20.36	19.068
11/15/2023@04:00:00.000 PM	68097.563	68557.289	68129.625	118330.867	118565.508	117800.609	20.312	20.75	19.56
11/15/2023@04:10:00.000 PM	68085.461	68541.938	68121.398	118296.188	118550.539	117788.258	20.399	20.794	19.69

11/15/2023@04:20:00.000 PM	67867.695	68450.07	67979.836	118008.727	118412.273	117432.492	20.124	20.902	19.437
11/15/2023@04:30:00.000 PM	68145.398	68548.203	68150.68	118365.797	118554.938	117879.68	20.348	20.771	19.597
11/15/2023@04:40:00.000 PM	67999.453	68425.352	68048.32	118113.32	118382.391	117661.773	20.804	21.338	20.166
11/15/2023@04:50:00.000 PM	67748.266	68477.852	68044.055	117891.867	118581.602	117332.258	19.886	20.98	19.249
11/15/2023@05:00:00.000 PM	67955.984	68454.453	68013.047	118121.492	118388.664	117561.438	20.45	20.961	19.722
11/15/2023@05:10:00.000 PM	68207.234	68685.914	68303.102	118514.68	118851.016	118044.266	20.425	21.017	19.799
11/15/2023@05:20:00.000 PM	67943.883	68480.352	68055.18	118110.508	118485.75	117572.141	19.889	20.496	19.131
11/15/2023@05:30:00.000 PM	68184.375	68654.211	68275.672	118462.477	118804.711	118000.742	14.129	14.528	13.388
11/15/2023@05:40:00.000 PM	68161.141	68687.742	68283.766	118468.844	118860.898	117970.031	19.1	19.708	18.342
11/15/2023@05:50:00.000 PM	68060.367	68609.688	68170.375	118295.328	118717.477	117780.742	19.289	20.027	18.592
11/15/2023@06:00:00.000 PM	67899.047	68434.109	68051.031	118006.336	118455.938	117541.023	17.86	18.556	17.168
11/15/2023@06:10:00.000 PM	68046.344	68659.086	68262.961	118314.539	118873.617	117826.922	18.275	19.129	17.631
11/15/2023@06:20:00.000 PM	68241.602	68879.664	68435.016	118696.898	119213.414	118123.117	18.606	19.458	17.926
11/15/2023@06:30:00.000 PM	68330.398	68840.875	68441.313	118750.594	119123.133	118257.281	18.968	19.558	18.372
11/15/2023@06:40:00.000 PM	68429.086	68943.172	68599.617	118892.023	119358.914	118502.297	20.325	21.138	19.875
11/15/2023@06:50:00.000 PM	68052.438	68649.922	68267.359	118312.219	118855.578	117849.695	19.737	20.607	19.173

11/15/2023@07:00:00.000 PM	68148.5	68705.008	68330.984	118464.773	118917.117	118007.789	20.202	21.009	19.646
11/15/2023@07:10:00.000 PM	68152.617	68746.703	68414.031	118458.047	119078.156	118076.328	19.489	20.437	19.059
11/15/2023@07:20:00.000 PM	68035.617	68615.453	68286.141	118249.883	118846.016	117865.266	20.24	21.127	19.802
11/15/2023@07:30:00.000 PM	68196.117	68749.75	68405.102	118514.227	119043.117	118120.461	19.172	19.933	18.723
11/15/2023@07:40:00.000 PM	68650.953	69089.844	68807.141	119211.555	119642.172	118897.289	18.505	19.013	18.029
11/15/2023@07:50:00.000 PM	68616.836	69050.719	68721.859	119170.188	119521.547	118784.789	18.102	18.482	17.449
11/15/2023@08:00:00.000 PM	68515.789	69014.063	68697.906	119025.555	119507.508	118663.414	19.634	20.28	19.129
11/15/2023@08:10:00.000 PM	68188.688	69140.711	68625	118837.445	119761.891	118123.508	19.303	20.49	18.413
11/15/2023@08:20:00.000 PM	68674.18	69197.516	68841.273	119331.695	119795.227	118909.977	19.508	20.122	18.885
11/15/2023@08:30:00.000 PM	68747.617	69179.344	68890.023	119379.172	119780.828	119057.031	20.468	20.933	19.951
11/15/2023@08:40:00.000 PM	68671.164	69106.055	68830	119235.953	119670.961	118946.781	20.119	20.655	19.719
11/15/2023@08:50:00.000 PM	68608.234	69267.43	68948.523	119282.766	120039.828	118906.719	19.636	20.756	19.23
11/15/2023@09:00:00.000 PM	68692.828	69248.469	68937.289	119362.719	119954.141	119006.766	19.591	20.405	19.119
11/15/2023@09:10:00.000 PM	68503.703	68958.609	68652.758	118973.477	119404.039	118623.711	19.543	20.177	18.992
11/15/2023@09:20:00.000 PM	68442.625	69053.93	68819.688	118923.375	119734.633	118691.5	19.699	20.754	19.487
11/15/2023@09:30:00.000 PM	68549.727	69041.25	68739.609	119071.938	119564.094	118738.563	20.093	20.773	19.7

11/15/2023@09:40:00.000 PM	68683.617	69183.672	68902.063	119297.594	119846.477	118990.227	19.712	20.445	19.278
11/15/2023@09:50:00.000 PM	68720.82	69176.602	68896.586	119333.297	119811.586	119032.313	19.403	20.064	18.933
11/15/2023@10:00:00.000 PM	68595.156	69097.266	68766.617	119174.539	119636.328	118786.148	19.395	20.037	18.819
11/15/2023@10:10:00.000 PM	68657.992	69145.383	68808.477	119277.875	119705.25	118878.633	19.34	19.91	18.701
11/15/2023@10:20:00.000 PM	68878.742	69348.703	69001.234	119656.422	120029.633	119244.156	20.264	20.767	19.669
11/15/2023@10:30:00.000 PM	68706.992	69247.008	68869.602	119418.313	119859.773	118950.516	20.476	21.045	19.866
11/15/2023@10:40:00.000 PM	68511.773	69226.953	68778.703	119219.117	119851.359	118627.711	19.7	20.597	18.937
11/15/2023@10:50:00.000 PM	68942.375	69388.164	69104.313	119714.523	120162.906	119409.781	19.304	19.879	18.773
11/15/2023@11:00:00.000 PM	68835.953	69305.625	68976.586	119572.016	119981.953	119184.75	19.237	19.776	18.608
11/15/2023@11:10:00.000 PM	68842.828	69337.664	68988.875	119609.047	120019.219	119199.219	19.637	20.155	18.973
11/15/2023@11:20:00.000 PM	68912.57	69336.523	68994.344	119681.109	119990.563	119284.133	20.22	20.681	19.669
11/15/2023@11:30:00.000 PM	69029.813	69484.734	69175.109	119883.906	120307.914	119536.773	19.72	20.314	19.215
11/15/2023@11:40:00.000 PM	68980.336	69441.563	69173.664	119781.711	120285.281	119498.484	18.92	19.597	18.426
11/15/2023@11:50:00.000 PM	69404.195	69981.023	69612.117	120642.391	121167.602	120183.586	18.866	19.582	18.238
11/16/2023@12:00:00.000 AM	69401.32	69911.234	69539.063	120604.992	121003.484	120132.742	19.734	20.306	19.073
11/16/2023@12:10:00.000 AM	69400.617	69864.141	69512.492	120556.75	120920.398	120135.25	20.576	21.093	19.995

11/16/2023@12:20:00.000 AM	69325.023	69847.813	69467.805	120458.594	120903.906	120013.242	20.254	20.881	19.681
11/16/2023@12:30:00.000 AM	69497.891	70028.922	69617.953	120772.813	121194.227	120281.875	19.143	19.761	18.449
11/16/2023@12:40:00.000 AM	69499.508	69870.07	69642.492	120589.039	121029.914	120399.93	18.393	18.979	18.086
11/16/2023@12:50:00.000 AM	69486.383	70005.047	69606	120755.539	121150.234	120261.18	18.655	19.173	17.858
11/16/2023@01:00:00.000 AM	69575.008	70084.297	69648.648	120920.195	121238.875	120372.617	19.686	20.191	18.93
11/16/2023@01:10:00.000 AM	69553.109	70087.391	69634.938	120896.492	121243.352	120335.523	20.669	21.244	19.94
11/16/2023@01:20:00.000 AM	69708.766	70206.148	69755.242	121153.688	121424.672	120580.719	20.043	20.535	19.328
11/16/2023@01:30:00.000 AM	69704.984	70210.016	69775.172	121137.25	121461.617	120594.813	19.15	19.644	18.362
11/16/2023@01:40:00.000 AM	69820.977	70279.055	69846.164	121312.609	121554.078	120770.461	19.072	19.473	18.244
11/16/2023@01:50:00.000 AM	69944.586	70432.828	69980.469	121553.422	121812.156	120984.695	19.237	19.663	18.434
11/16/2023@02:00:00.000 AM	69912.375	70427.969	69987.477	121510.156	121836.531	120951.398	19.552	20.096	18.786
11/16/2023@02:10:00.000 AM	69965.828	70385.609	69992.273	121524.563	121756.75	121044.328	19.831	20.25	19.155
11/16/2023@02:20:00.000 AM	69846.805	70490.453	70041.273	121478.359	122003.18	120904.328	19.021	19.902	18.312
11/16/2023@02:30:00.000 AM	69891.625	70366.242	69920.383	121451.477	121705.469	120882.102	18.951	19.431	18.075
11/16/2023@02:40:00.000 AM	70056.688	70489.391	70105.008	121679.766	121958.594	121219.656	19.04	19.509	18.287
11/16/2023@02:50:00.000 AM	70047.672	70422.125	70017.922	121642.305	121784.641	121148.156	20.152	20.362	19.427

11/16/2023@03:00:00.000 AM	70059.156	70487.484	70036.703	121721.984	121871.531	121147.273	20.549	20.844	19.762
11/16/2023@03:10:00.000 AM	70171.922	70602.836	70168.766	121910.242	122093.258	121361.133	20.108	20.437	19.338
11/16/2023@03:20:00.000 AM	70148.734	70528.992	70128.094	121823.844	121978.109	121324.125	19.752	20.05	19.001
11/16/2023@03:30:00.000 AM	70121.813	70558.633	70135.414	121816.586	122039.055	121287.766	19.375	19.746	18.572
11/16/2023@03:40:00.000 AM	69949.242	70264.172	70157.43	121262.57	121823.711	121285.82	19.385	20.052	19.339
11/16/2023@03:50:00.000 AM	69994.992	70469.633	70067.141	121600.18	121931.875	121119.211	19.866	20.425	19.159
11/16/2023@04:00:00.000 AM	70103.289	70473.5	70008.078	121784.141	121788.953	121170.453	19.834	19.912	18.928
11/16/2023@04:10:00.000 AM	70286.664	70705.273	70293.883	122101.281	122280.367	121575.883	20.064	20.348	19.298
11/16/2023@04:20:00.000 AM	70114.93	70572.469	70118.992	121847.844	122025.492	121253.797	19.707	19.985	18.864
11/16/2023@04:30:00.000 AM	70196.742	70571.523	70162.219	121920.211	122027.992	121393.828	19.94	20.159	19.133
11/16/2023@04:40:00.000 AM	70109.633	70629.813	70205.234	121872.633	122185.617	121308.375	19.927	20.451	19.192
11/16/2023@04:50:00.000 AM	70024.961	70501.813	70171.078	121640.664	122054.148	121244.141	20.009	20.578	19.506
11/16/2023@05:00:00.000 AM	70063.375	70442.906	70054.945	121683.242	121825.078	121194.148	19.953	20.175	19.178
11/16/2023@05:10:00.000 AM	70231.023	70635	70244.695	121986.57	122174.461	121493.148	19.23	19.479	18.428
11/16/2023@05:20:00.000 AM	69867.063	70627.422	70115.594	121640.242	122213.891	120932.938	19.629	20.434	18.722
11/16/2023@05:30:00.000 AM	69953.43	70484.82	70004.414	121620.18	121886.75	120990.234	20.079	20.489	19.244

11/16/2023@05:40:00.000 AM	69812.133	70436.664	70046.281	121374.453	121963.07	120903.766	20.036	20.953	19.564
11/16/2023@05:50:00.000 AM	69923.859	70477.711	69987.055	121594.25	121870.156	120939.203	20.508	20.995	19.708
11/16/2023@06:00:00.000 AM	69886.734	70311.961	69898.445	121411.508	121594.781	120892.383	20.016	20.285	19.268
11/16/2023@06:10:00.000 AM	70086.672	70493.695	70105.164	121717.203	121942.797	121257.727	19.57	19.907	18.837
11/16/2023@06:20:00.000 AM	70073.828	70472.805	70062.586	121705.016	121877.234	121203.336	19.93	20.192	19.199
11/16/2023@06:30:00.000 AM	69903.18	70447.359	69938.672	121529.188	121809.648	120892.523	20.495	20.981	19.737
11/16/2023@06:40:00.000 AM	70064.008	70539.695	70034.406	121789.516	121926.227	121119.992	20.589	20.877	19.705
11/16/2023@06:50:00.000 AM	69998.758	70429.734	70004.984	121610.273	121796.313	121074.602	19.853	20.225	19.101
11/16/2023@07:00:00.000 AM	69904.828	70323.938	69877.758	121454.93	121584.867	120875.172	19.719	19.937	18.851
11/16/2023@07:10:00.000 AM	69838.781	70275.453	69823.453	121357.469	121502.836	120762.234	20.051	20.307	19.17
11/16/2023@07:20:00.000 AM	69937.797	70355.68	69932.398	121500.133	121666.273	120955.227	20.407	20.664	19.568
11/16/2023@07:30:00.000 AM	69749.195	70249.219	69772.555	121257.398	121466.984	120609.344	20.463	20.824	19.534
11/16/2023@07:40:00.000 AM	69652.406	70155.367	69688.602	121089.813	121305.008	120463.367	20.369	20.769	19.478
11/16/2023@07:50:00.000 AM	69550.914	70027.609	69592.898	120880.82	121110.453	120303.992	20.376	20.771	19.509
11/16/2023@08:00:00.000 AM	69658.008	70144.641	69692.656	121078.633	121302.07	120475.586	20.294	20.775	19.426
11/16/2023@08:10:00.000 AM	69368.039	69819.586	69417.734	120527.461	120779.023	120008.305	20.922	21.324	20.144

11/16/2023@08:20:00.000 AM	69484.586	69888.867	69534.195	120672.93	120928.203	120237.148	21.315	21.678	20.634
11/16/2023@08:30:00.000 AM	68964.539	69458.781	69074.031	119847.664	120193.719	119354.203	20.648	21.148	19.951
11/16/2023@08:40:00.000 AM	69111.578	69591.609	69145.273	120129.938	120345.305	119528.625	20.65	21.037	19.822
11/16/2023@08:50:00.000 AM	68904.305	69456.406	69042.5	119789.195	120196.375	119246.961	20.38	20.883	19.554
11/16/2023@09:00:00.000 AM	68859.758	69443.516	69035.414	119722.188	120200.461	119198.008	20.786	21.393	20.005
11/16/2023@09:10:00.000 AM	68549.703	69110.805	68685.922	119187.008	119585.289	118629.852	20.048	20.58	19.238
11/16/2023@09:20:00.000 AM	68752	69261.563	68837.422	119505.367	119814.156	118956.617	20.339	20.751	19.578
11/16/2023@09:30:00.000 AM	68801.844	69242.438	68884.258	119513.891	119819.516	119076.977	19.827	20.222	19.105
11/16/2023@09:40:00.000 AM	68589.516	69103.586	68681.602	119225.852	119553.219	118672.023	19.187	19.622	18.322
11/16/2023@09:50:00.000 AM	68284.055	68872.586	68469.836	118731.672	119216.633	118206.711	19.394	19.975	18.622
11/16/2023@10:00:00.000 AM	67971.117	68734.289	68271.773	118318.172	119004.336	117707.977	19.811	20.717	19.069
11/16/2023@10:10:00.000 AM	67755.859	68426.75	68008.25	117865.836	118464.805	117337.93	20.034	20.853	19.375
11/16/2023@10:20:00.000 AM	68115.836	68628.617	68235.156	118385.844	118753.523	117895.414	19.985	20.572	19.34
11/16/2023@10:30:00.000 AM	67819.594	68459.461	68066.523	117943.086	118539.789	117453.547	19.663	20.525	18.937
11/16/2023@10:40:00.000 AM	67819.547	68252.781	67984.609	117748.344	118209.883	117478.117	19.192	19.893	18.763
11/16/2023@10:50:00.000 AM	67869.719	68363.758	67989.219	117934.977	118316.086	117472.578	20.17	20.773	19.548

11/16/2023@11:00:00.000 AM	67596.875	68183.211	67771.039	117538.203	118002.219	117019.992	20.431	21.118	19.748
11/16/2023@11:10:00.000 AM	67277.586	68104.977	67631.766	117166.578	117933.859	116530.211	19.975	21.031	19.226
11/16/2023@11:20:00.000 AM	67724.969	68389.109	67970.594	117817.57	118396.453	117270.578	20.072	21.027	19.379
11/16/2023@11:30:00.000 AM	67738.352	68122.313	67822.266	117607.063	117914.305	117267.414	19.391	19.98	18.904
11/16/2023@11:40:00.000 AM	67742.852	68203.789	67860.148	117678.414	118046.875	117278.008	19.471	20.036	18.838
11/16/2023@11:50:00.000 AM	67540.664	68153.43	67823.555	117407.523	118065.922	117028.938	19.657	20.636	19.187
11/16/2023@12:00:00.000 PM	67699.289	68192.258	67842.516	117622.305	118041.836	117213.188	19.22	19.845	18.594
11/16/2023@12:10:00.000 PM	67702.703	68118.641	67798.586	117575.938	117900.203	117203.547	19.662	20.272	19.174
11/16/2023@12:20:00.000 PM	67806.508	68358.164	67986.273	117863.883	118334.023	117401.477	19.659	20.428	19.039
11/16/2023@12:30:00.000 PM	67415.789	68126.375	67698.008	117307.5	117962.43	116751.211	19.465	20.483	18.724
11/16/2023@12:40:00.000 PM	67619.281	68346.305	67975.789	117640.539	118419.078	117176.484	19.241	20.421	18.613
11/16/2023@12:50:00.000 PM	67557.07	68254.117	67921.563	117488.016	118285.977	117100.891	20.068	21.292	19.702
11/16/2023@01:00:00.000 PM	67199.016	68107.344	67814.625	116972.852	118191.57	116650.695	20.06	21.815	19.904
11/16/2023@01:10:00.000 PM	67906.273	68388.609	68025.734	117989.242	118361.578	117542.484	20.262	20.915	19.663
11/16/2023@01:20:00.000 PM	67857.039	68358.305	67983.305	117921.445	118306.25	117454.336	19.518	20.237	18.854
11/16/2023@01:30:00.000 PM	67770.164	68159.055	67830.641	117674.141	117951.914	117295.898	19.124	19.615	18.48

11/16/2023@01:40:00.000 PM	67954.867	68346.742	67995.891	118010.398	118248.734	117594.156	19.562	19.921	18.949
11/16/2023@01:50:00.000 PM	67873.664	68268.32	67919.188	117874.719	118117.992	117451.25	19.854	20.301	19.316
11/16/2023@02:00:00.000 PM	67861.984	68246.313	67863.805	117855.43	118038.859	117395.469	19.158	19.474	18.415
11/16/2023@02:10:00.000 PM	68003.5	68459.383	68088.945	118138.93	118464.156	117690.688	19.274	19.888	18.622
11/16/2023@02:20:00.000 PM	67983.531	68355.234	67976.766	118065.594	118224.055	117594.961	20.17	20.561	19.532
11/16/2023@02:30:00.000 PM	67840.797	68299.258	67871.055	117894.578	118116.086	117346.664	20.433	20.932	19.711
11/16/2023@02:40:00.000 PM	67823.211	68283.078	67833.016	117873.953	118070.219	117288.82	21.145	21.585	20.381
11/16/2023@02:50:00.000 PM	67846.039	68323.359	67928.43	117888.836	118214.414	117404.172	20.139	20.706	19.432
11/16/2023@03:00:00.000 PM	67773.633	68320.578	67897.148	117814.953	118219.094	117288.953	20.431	21.171	19.725
11/16/2023@03:10:00.000 PM	68041.867	68510.961	68091.367	118233.539	118506.789	117713.469	19.802	20.336	18.988
11/16/2023@03:20:00.000 PM	67816.586	68226.32	67792.242	117808.023	117966.031	117278.438	20.713	21.173	19.986
11/16/2023@03:30:00.000 PM	68030.836	68426	68024.555	118165.836	118335.773	117670.242	20.545	20.899	19.786
11/16/2023@03:40:00.000 PM	67868.945	68262.195	67876.227	117876.68	118074.594	117399.477	20.158	20.634	19.425
11/16/2023@03:50:00.000 PM	68021.875	68408.297	67987.906	118152.102	118282.352	117627.797	20.344	20.724	19.524
11/16/2023@04:00:00.000 PM	68107.961	68503.664	68109.922	118301.555	118469.125	117817.18	21.148	21.553	20.456
11/16/2023@04:10:00.000 PM	68068.586	68446.938	68047.484	118221.82	118359.125	117732.32	21.535	21.888	20.796

11/16/2023@04:20:00.000 PM	67928.766	68276.07	67950.43	117926.773	118124.25	117555.93	21.111	21.491	20.587
11/16/2023@04:30:00.000 PM	67932.148	68371.867	67937.164	118050.602	118223.258	117481.984	20.814	21.21	19.94
11/16/2023@04:40:00.000 PM	67990.648	68384.078	68014.727	118084.055	118294.328	117634.211	20.822	21.275	20.063
11/16/2023@04:50:00.000 PM	67907.695	68403.063	67993.297	118020.391	118338.063	117506.219	21.07	21.694	20.266
11/16/2023@05:00:00.000 PM	67973.563	68621.102	68165.133	118248.664	118752.094	117653.156	20.537	21.438	19.72
11/16/2023@05:10:00.000 PM	68162.969	68585.422	68190.672	118408.789	118634.383	117921.359	20.764	21.235	20.001
11/16/2023@05:20:00.000 PM	68107.883	68604.305	68173.016	118367.938	118672.289	117831.031	19.948	20.534	19.173
11/16/2023@05:30:00.000 PM	67871.773	68342.305	67851.141	117958.367	118146.328	117346.383	19.771	20.282	18.929
11/16/2023@05:40:00.000 PM	68068.422	68553.164	68124.516	118293.992	118574.734	117761.656	20.456	21.012	19.718
11/16/2023@05:50:00.000 PM	68075.695	68508.516	68132.305	118250.664	118526.148	117802.281	20.409	20.94	19.789
11/16/2023@06:00:00.000 PM	68215.133	68674.578	68279.391	118513.352	118812.266	118037.32	19.947	20.545	19.257
11/16/2023@06:10:00.000 PM	67846.438	68426.906	68012.266	117964.375	118429.273	117439.016	20.167	20.946	19.466
11/16/2023@06:20:00.000 PM	67734.734	68390.016	67941.586	117836.789	118365.984	117250.047	22.001	23.13	21.456
11/16/2023@06:30:00.000 PM	68033.641	68528.617	68128.789	118231.938	118570.836	117732.164	20.54	21.12	19.901
11/16/2023@06:40:00.000 PM	68317.297	68733.563	68338.82	118672.031	118890.039	118182.961	20.572	20.986	19.869
11/16/2023@06:50:00.000 PM	68345.453	68759.531	68275.18	118746.375	118842.039	118140.164	20.304	20.657	19.432

11/16/2023@07:00:00.000 PM	68359.195	68887.172	68505.414	118783.68	119241.867	118346.375	20.2	20.971	19.615
11/16/2023@07:10:00.000 PM	68173.758	68710.078	68272.961	118503.742	118875.68	117962.18	21.11	21.723	20.377
11/16/2023@07:20:00.000 PM	68232.414	68669.313	68279.336	118519.906	118804.305	118059.391	21.539	22.037	20.916
11/16/2023@07:30:00.000 PM	68129.719	68575.703	68249.969	118320.414	118704.555	117967.742	21.173	21.783	20.763
11/16/2023@07:40:00.000 PM	68120.375	68619.555	68241.43	118366	118752.172	117919.578	21.185	21.715	20.605
11/16/2023@07:50:00.000 PM	68369.602	68868.938	68514.727	118804.008	119210.313	118360.328	10.826	11.428	11.327
11/16/2023@08:00:00.000 PM	68072.891	68609.438	68262.586	118305.008	118791.156	117878.352	13.414	14.266	14.158
11/16/2023@08:10:00.000 PM	67994.719	68759.953	68288.789	118368.195	119044.969	117731.992	10.889	11.849	11.308
11/16/2023@08:20:00.000 PM	67996.563	68628.461	68377.891	118171.633	118992.727	117910.359	11.614	12.666	12.364
11/16/2023@08:30:00.000 PM	68045.875	68533.047	68294.898	118169.172	118752.82	117929.242	15.655	16.605	16.333
11/16/2023@08:40:00.000 PM	67980.172	68498.156	68297.93	118053.055	118747.664	117881.5	17.838	18.984	18.68
11/16/2023@08:50:00.000 PM	68377.938	68927.125	68589.414	118828.18	119362.883	118428.031	17.279	17.948	16.708
11/16/2023@09:00:00.000 PM	68304.656	68714.625	68498.125	118554.219	119051.484	118360.219	18.639	19.355	18.34
11/16/2023@09:10:00.000 PM	68302.961	68756.398	68446.602	118628.5	119042.695	118275.031	19.345	19.922	18.84
11/16/2023@09:20:00.000 PM	68266.141	68742.078	68452.039	118563.352	119054.453	118248.648	17.897	18.556	17.385
11/16/2023@09:30:00.000 PM	68348.648	68908.063	68500.617	118800.508	119261.773	118319.367	19.514	20.219	18.943

11/16/2023@09:40:00.000 PM	68404.461	68847.039	68475.641	118802.867	119130.398	118396.125	19.805	20.278	19.27
11/16/2023@09:50:00.000 PM	68488.672	68900.305	68579.156	118914.086	119259.453	118573.211	20.046	20.52	19.578
11/16/2023@10:00:00.000 PM	68542.828	68983.07	68664.883	119028.063	119426.563	118677.734	19.359	19.867	18.831
11/16/2023@10:10:00.000 PM	68550.656	68993.82	68659.352	119052.445	119424.977	118677.586	19.068	19.587	18.437
11/16/2023@10:20:00.000 PM	68429.625	68978.672	68624.344	118918.102	119431.242	118509.156	20.452	21.197	19.877
11/16/2023@10:30:00.000 PM	68457.93	68997.461	68648.852	118954.844	119466.539	118561.086	20.844	21.634	20.33
11/16/2023@10:40:00.000 PM	68550.852	69130.008	68753.828	119158.258	119683.586	118712.891	21.195	22.083	20.671
11/16/2023@10:50:00.000 PM	68768.531	69213.211	68844.594	119438.414	119774.852	119019.992	20.653	21.244	20.116
11/16/2023@11:00:00.000 PM	68564.016	68956.984	68612.547	119052.391	119320.758	118660.211	20.735	21.232	20.16
11/16/2023@11:10:00.000 PM	68693.773	69151.367	68823.188	119306.227	119708.953	118944.383	21.233	21.858	20.739
11/16/2023@11:20:00.000 PM	68731.992	69158.742	68820.633	119361.813	119696.336	118976.023	21.474	22.083	20.956
11/16/2023@11:30:00.000 PM	68892.75	69351.602	69033.867	119658.211	120063.586	119294.133	21.174	21.798	20.734
11/16/2023@11:40:00.000 PM	68820.461	69281.297	69003.906	119523.703	119995.547	119197.664	14.746	15.309	14.37
11/16/2023@11:50:00.000 PM	68819.883	69442.227	69122.695	119633.867	120309.164	119257.367	19.752	20.669	19.27
11/17/2023@12:00:00.000 AM	68963.352	69462.688	69154.625	119801.813	120297.719	119440.227	20.504	21.178	20.023
11/17/2023@12:10:00.000 AM	68552.82	69160.07	68765.297	119205.07	119733.43	118691.789	20.418	21.118	19.657

11/17/2023@12:20:00.000 AM	68650.805	69192	68844.492	119309.625	119804.227	118878.602	19.91	20.578	19.299
11/17/2023@12:30:00.000 AM	68635.43	69341.469	68923.398	119422.813	120072.008	118866.609	19.991	20.785	19.217
11/17/2023@12:40:00.000 AM	68818.602	69446.797	69083.547	119656.211	120280.586	119201.625	19.413	20.205	18.771
11/17/2023@12:50:00.000 AM	69081.57	69579.141	69203.477	120044.102	120422.234	119564.609	19.909	20.424	19.164
11/17/2023@01:00:00.000 AM	69009.539	69477.852	69091.258	119908.922	120216.125	119411.398	20.565	20.99	19.75
11/17/2023@01:10:00.000 AM	68949.18	69474.016	69100.531	119831.914	120250.055	119359.313	20.406	21.004	19.687
11/17/2023@01:20:00.000 AM	69076.492	69565.398	69222.367	120013.664	120422.406	119595.008	20.71	21.293	20.096
11/17/2023@01:30:00.000 AM	69244.352	69662.273	69297.406	120280.023	120522.055	119817.563	21.359	21.676	20.605
11/17/2023@01:40:00.000 AM	69215.828	69644.984	69279.297	120231.273	120503.32	119774.352	20.886	21.213	20.143
11/17/2023@01:50:00.000 AM	69239.336	69721.227	69303.594	120331.133	120606.547	119786.148	20.612	21.065	19.785
11/17/2023@02:00:00.000 AM	69328.156	69784.141	69417.469	120445.742	120754.516	119983.547	20.698	21.201	20.016
11/17/2023@02:10:00.000 AM	69389.414	69837.688	69465.516	120548.125	120837.961	120079.727	19.409	19.799	18.713
11/17/2023@02:20:00.000 AM	69541.531	70004.867	69635	120812.984	121146.953	120352.5	19.376	19.843	18.653
11/17/2023@02:30:00.000 AM	69639.703	70064.164	69705.18	120959.359	121239.328	120508.055	19.915	20.275	19.223
11/17/2023@02:40:00.000 AM	69497.164	70168.078	69710.641	120912	121445.828	120291.453	19.965	20.758	19.18
11/17/2023@02:50:00.000 AM	69667.758	70142.836	69794.742	121027.625	121420.359	120598.625	19.422	19.996	18.698

11/17/2023@03:00:00.000 AM	69429.82	69937.836	69598.977	120634.891	121083.352	120232.18	19.776	20.414	19.166
11/17/2023@03:10:00.000 AM	69653.781	70061.273	69696.117	120980.461	121208.664	120521.359	20.043	20.379	19.33
11/17/2023@03:20:00.000 AM	69632.602	70021.523	69705.742	120899.32	121189.375	120532.844	19.688	20.111	19.076
11/17/2023@03:30:00.000 AM	70043.914	70421.688	70061.141	121626.141	121826.781	121189.742	20.363	20.664	19.629
11/17/2023@03:40:00.000 AM	69996.313	70324.82	70054.617	121469.547	121737.148	121174.359	20.688	21.018	20.131
11/17/2023@03:50:00.000 AM	70156.156	70488.188	70178.766	121771.328	121968.648	121416.031	20.466	20.789	19.859
11/17/2023@04:00:00.000 AM	69974.141	70551.094	70148.125	121650.094	122112.898	121133.578	21.191	21.927	20.48
11/17/2023@04:10:00.000 AM	70015.406	70542.969	70148.93	121686.234	122084.828	121184.297	20.767	21.408	20.028
11/17/2023@04:20:00.000 AM	70012.852	70457.18	70061.617	121631.063	121890.273	121129.781	21.015	21.336	20.154
11/17/2023@04:30:00.000 AM	69942.563	70361.43	69951.156	121506.305	121688.461	120977.578	21.506	21.848	20.689
11/17/2023@04:40:00.000 AM	70226.57	70600.688	70264.508	121930.57	122163.008	121527.75	20.176	20.531	19.435
11/17/2023@04:50:00.000 AM	70038.969	70563.133	70155.914	121733.547	122103.734	121205.93	20.159	20.788	19.337
11/17/2023@05:00:00.000 AM	70324.555	70676.672	70352.477	122088.289	122293.273	121693.414	20.112	20.415	19.462
11/17/2023@05:10:00.000 AM	70352.523	70790.75	70407.445	122213.547	122470.805	121731.914	20.69	21.121	19.981
11/17/2023@05:20:00.000 AM	70406.977	70813.875	70434.086	122285.539	122500.773	121810.461	20.037	20.367	19.28
11/17/2023@05:30:00.000 AM	70554.75	70987.633	70572.734	122575.016	122780.023	122038.836	19.382	19.697	18.519

11/17/2023@05:40:00.000 AM	70418.594	70852.953	70455.609	122332.961	122566.367	121822.555	19.217	19.556	18.402
11/17/2023@05:50:00.000 AM	70244.766	70813.813	70477.852	122082.422	122639.625	121669.297	19.336	20.209	18.852
11/17/2023@06:00:00.000 AM	70349.797	70881.281	70521.695	122252.977	122708.734	121804.422	19.588	20.268	19.011
11/17/2023@06:10:00.000 AM	70303.703	70737	70409.383	122093.023	122441.594	121707.234	20.508	20.96	19.955
11/17/2023@06:20:00.000 AM	70256.484	70752.32	70445.383	122036.508	122530.25	121682.008	19.135	19.801	18.549
11/17/2023@06:30:00.000 AM	70318.523	70831.547	70551.875	122138.102	122707.219	121832.422	19.222	19.939	18.664
11/17/2023@06:40:00.000 AM	70467.867	70830.5	70569.445	122298.125	122639.539	122027.648	19.887	20.301	19.369
11/17/2023@06:50:00.000 AM	70383.406	70790.672	70472.945	122212.172	122526.734	121844.086	20.419	20.839	19.837
11/17/2023@07:00:00.000 AM	70271.141	70659.875	70313.648	122026.797	122256.969	121602.383	21.057	21.408	20.422
11/17/2023@07:10:00.000 AM	70158.648	70572.617	70216.391	121842.523	122116.875	121412.313	20.372	20.757	19.671
11/17/2023@07:20:00.000 AM	70047.563	70387.609	70087.313	121578.297	121812.898	121244.016	20.952	21.338	20.432
11/17/2023@07:30:00.000 AM	70166.82	70627.109	70230.273	121912.195	122191.508	121400.602	20.73	21.192	19.916
11/17/2023@07:40:00.000 AM	69813.125	70469.867	70003.18	121458.063	121946.938	120820.977	21.291	22.135	20.48
11/17/2023@07:50:00.000 AM	69978.344	70474.438	70088.781	121604.109	121952	121112.242	22.314	22.997	21.727
11/17/2023@08:00:00.000 AM	69923.023	70344.492	70007.727	121435.844	121739.727	121031.461	21.41	21.932	20.798
11/17/2023@08:10:00.000 AM	69627.938	70192.023	69748.313	121065.5	121439.195	120477.898	21.177	21.78	20.337

11/17/2023@08:20:00.000 AM	69546.711	70094.172	69692.625	120888.344	121308.477	120379.078	21.569	22.214	20.85
11/17/2023@08:30:00.000 AM	69540.063	69978.484	69653.844	120773.859	121137.438	120385.484	22.186	22.726	21.596
11/17/2023@08:40:00.000 AM	69264.18	69774.898	69394.852	120373.297	120755.273	119889.227	21.662	22.267	21
11/17/2023@08:50:00.000 AM	69219.531	69690.508	69362.344	120239.047	120644.242	119844.648	20.766	21.331	20.176
11/17/2023@09:00:00.000 AM	69050.039	69678.117	69287.93	120074.766	120645.664	119573.578	20.284	21.112	19.68
11/17/2023@09:10:00.000 AM	68941.063	69398.766	69070.344	119745.633	120142.883	119356	19.639	20.168	19.021
11/17/2023@09:20:00.000 AM	68999.523	69487.219	69148.5	119870.008	120299.617	119464.711	20.035	20.584	19.393
11/17/2023@09:30:00.000 AM	68416.711	69128.031	68763.445	119013.586	119770.836	118551.297	20.405	21.34	19.825
11/17/2023@09:40:00.000 AM	68634.594	69128.555	68772.563	119260.039	119660.109	118809.742	20.263	20.816	19.578
11/17/2023@09:50:00.000 AM	68988.43	69425.547	69003.594	119871.742	120069.109	119316.648	20.209	20.586	19.318
11/17/2023@10:00:00.000 AM	68282.383	69005.078	68592.516	118803.219	119511.273	118279.625	20.253	21.411	19.666
11/17/2023@10:10:00.000 AM	68192.664	68781.773	68441.258	118532.75	119127.43	118129.766	21.102	21.988	20.596
11/17/2023@10:20:00.000 AM	68225.164	68751.211	68400.539	118551.227	119038.086	118133.406	20.405	21.194	19.824
11/17/2023@10:30:00.000 AM	67678.773	68446.672	68072.563	117767.703	118610.547	117302.414	20.417	21.704	19.903
11/17/2023@10:40:00.000 AM	67568.242	68156.297	67830.656	117442.484	118060.797	117064.078	20.892	21.863	20.435
11/17/2023@10:50:00.000 AM	68080.125	68503.438	68185.07	118225.172	118583.438	117860.633	21.038	21.666	20.429

11/17/2023@11:00:00.000 AM	67767.328	68290.523	67959.438	117750.578	118252.414	117364.852	21.062	21.862	20.405
11/17/2023@11:10:00.000 AM	67595.578	68143.844	67812.914	117468.594	118013.344	117080.523	20.969	21.823	20.346
11/17/2023@11:20:00.000 AM	67409.367	68000.398	67647.227	117183.07	117756.813	116764.617	21.66	22.621	21.108
11/17/2023@11:30:00.000 AM	67686.945	68140.125	67823.344	117565.445	117961.906	117205.055	21.455	22.095	20.923
11/17/2023@11:40:00.000 AM	67364.477	67988.344	67649.883	117117.852	117771.109	116721.531	16.377	17.384	16.049
11/17/2023@11:50:00.000 AM	67414.063	67909.398	67592.727	117113.07	117591.414	116756.203	21.38	22.203	20.857
11/17/2023@12:00:00.000 PM	67497.328	67964.273	67623.914	117251.883	117637.859	116864.266	21.524	22.21	20.949
11/17/2023@12:10:00.000 PM	67430.898	67900.32	67580.828	117128.734	117557.648	116767.125	21.837	22.611	21.296
11/17/2023@12:20:00.000 PM	67175.727	67767.211	67412.703	116776.258	117357.555	116355.922	21.58	22.546	20.991
11/17/2023@12:30:00.000 PM	67544.023	67999.672	67678.188	117314.352	117723.82	116951.938	21.285	22.044	20.73
11/17/2023@12:40:00.000 PM	67317.711	67800.836	67436.391	116965.82	117342.766	116526.438	20.909	21.525	20.27
11/17/2023@12:50:00.000 PM	67694.633	68112.586	67782.203	117557.813	117884.414	117184.523	20.403	20.974	19.846
11/17/2023@01:00:00.000 PM	67414.383	67953.055	67636.211	117135.313	117699.828	116776.844	19.57	20.492	19.096
11/17/2023@01:10:00.000 PM	67505.508	67867.516	67554.266	117187.898	117453.68	116838.305	19.792	20.302	19.272
11/17/2023@01:20:00.000 PM	67688.594	68148.344	67795.977	117593.078	117947.672	117161.281	19.046	19.642	18.442
11/17/2023@01:30:00.000 PM	67730.078	68142.375	67739.531	117659.297	117854.734	117151.852	19.455	19.809	18.788

11/17/2023@01:40:00.000 PM	67529.789	67904.133	67593.5	117243.063	117520.531	116889.68	19.136	19.581	18.653
11/17/2023@01:50:00.000 PM	67770.383	68160.672	67844	117664.469	117975.508	117308.172	19.636	20.141	19.099
11/17/2023@02:00:00.000 PM	67452.594	67986.133	67689.688	117188.828	117779.297	116859.906	18.913	19.818	18.456
11/17/2023@02:10:00.000 PM	67414.656	67997.625	67582.563	117219.781	117688.398	116688.742	18.875	19.662	18.163
11/17/2023@02:20:00.000 PM	67966.078	68316.914	67988.422	117998.234	118202.602	117607.266	18.981	19.384	18.341
11/17/2023@02:30:00.000 PM	67879.641	68199.672	67880.023	117820.328	117996.828	117450.313	19.132	19.485	18.556
11/17/2023@02:40:00.000 PM	67770.602	68180.516	67848.414	117691.047	117998.758	117300.891	20.46	21.002	19.878
11/17/2023@02:50:00.000 PM	67701.977	68074.672	67705.977	117561.164	117761.055	117119.547	20.59	21.019	19.875
11/17/2023@03:00:00.000 PM	67598.836	67933.43	67552.109	117371.813	117475.305	116905.023	21.502	21.875	20.776
11/17/2023@03:10:00.000 PM	67218.594	68044.984	67488.453	117092.117	117751.445	116332.758	21.357	22.53	20.464
11/17/2023@03:20:00.000 PM	67605.883	68055.328	67678.625	117441.93	117755.195	116997.43	22.237	22.962	21.628
11/17/2023@03:30:00.000 PM	67487.57	67879.852	67462.508	117231.164	117372.477	116707.836	21.449	21.839	20.656
11/17/2023@03:40:00.000 PM	67312.875	67862.281	67454.836	117014.695	117443.797	116506.203	20.757	21.393	19.959
11/17/2023@03:50:00.000 PM	67804.438	68160.094	67672.93	117797.773	117767.547	117144.547	21.226	21.316	20.195
11/17/2023@04:00:00.000 PM	67864.289	68246.641	67740.711	117936.266	117907.688	117236.969	21.876	21.986	20.844
11/17/2023@04:10:00.000 PM	67944.578	68243.258	67748.578	118022.781	117866.063	117339.266	21.844	21.746	20.782

11/17/2023@04:20:00.000 PM	67938.875	68318.414	67835.633	118023	118063.57	117412.539	21.973	22.053	21.011
11/17/2023@04:30:00.000 PM	67985.609	68204.18	67754.578	118016.102	117801.555	117424.242	20.645	20.402	19.604
11/17/2023@04:40:00.000 PM	67973.273	68243.75	67787.25	118029.734	117890.352	117425.5	20.665	20.577	19.705
11/17/2023@04:50:00.000 PM	67818.172	68003.961	67606.844	117677.688	117502.133	117169.297	21.024	20.868	20.081
11/17/2023@05:00:00.000 PM	67677.008	68227.469	67690.469	117726.438	117937.336	116972.602	21.037	21.438	19.922
11/17/2023@05:10:00.000 PM	67899.266	68048.242	67674.68	117785.742	117583.273	117314.625	22.357	22.124	21.515
11/17/2023@05:20:00.000 PM	67869.977	68027.094	67605.953	117764.289	117492.305	117220.711	22.565	22.27	21.602
11/17/2023@05:30:00.000 PM	67743.367	67918.688	67584.469	117487.039	117430	117115.844	21.63	21.649	20.997
11/17/2023@05:40:00.000 PM	67696.047	67875.602	67437.609	117483.516	117232.242	116906.438	21.54	21.304	20.55
11/17/2023@05:50:00.000 PM	67793.82	68017.859	67522.047	117712.422	117438.719	117033.078	21.042	20.751	19.905
11/17/2023@06:00:00.000 PM	67478.984	67893.484	67375.25	117300.141	117296.461	116572.539	20.948	20.989	19.927
11/17/2023@06:10:00.000 PM	67865.523	68097	67617.813	117840.117	117591.289	117179.984	20.566	20.388	19.579
11/17/2023@06:20:00.000 PM	67733.297	68049.367	67578.875	117656.289	117574.414	117001.539	20.312	20.344	19.345
11/17/2023@06:30:00.000 PM	68055.266	68244.469	67892.766	118066.922	117973.125	117631.344	20.449	20.46	19.791
11/17/2023@06:40:00.000 PM	68017.086	68250.023	67756.039	118115.609	117841.219	117421.445	20.379	20.162	19.297
11/17/2023@06:50:00.000 PM	67785.57	68063.703	67582.156	117727.195	117557.07	117069.148	21.165	21.083	20.212

11/17/2023@07:00:00.000 PM	67840.75	68087.633	67565.359	117826.602	117531.016	117103.883	20.97	20.768	19.941
11/17/2023@07:10:00.000 PM	67910.07	68072.68	67643.469	117847.406	117568.055	117275.352	20.659	20.419	19.765
11/17/2023@07:20:00.000 PM	67742.039	68030.188	67543.961	117658.164	117505.242	116990.398	20.909	20.868	19.924
11/17/2023@07:30:00.000 PM	67891.969	68223.07	67745.781	117941.25	117865.477	117290.328	20.859	20.876	19.966
11/17/2023@07:40:00.000 PM	67898.906	68158.047	67732.164	117883.68	117766.414	117322.828	20.622	20.566	19.811
11/17/2023@07:50:00.000 PM	67859.609	68202.258	67676.078	117919.531	117778.133	117186.727	20.542	20.536	19.523
11/17/2023@08:00:00.000 PM	68095.5	68354.07	67896.875	118233.93	118077.609	117626.781	20.461	20.361	19.498
11/17/2023@08:10:00.000 PM	67923.914	68399.281	67828.438	118129.133	118148.922	117322.813	20.433	20.62	19.281
11/17/2023@08:20:00.000 PM	68188.5	68533.945	68055.195	118462.031	118407.625	117815.445	20.643	20.741	19.809
11/17/2023@08:30:00.000 PM	68022.18	68507.883	67994.313	118277.25	118403.555	117565.539	20.81	21.171	19.892
11/17/2023@08:40:00.000 PM	68427.523	68722.297	68248.75	118834.898	118721.047	118204.578	21.091	21.093	20.172
11/17/2023@08:50:00.000 PM	68183.625	68624.352	68086.656	118536.063	118558.258	117793.406	20.989	21.193	19.901
11/17/2023@09:00:00.000 PM	68396.867	68719.102	68193.063	118829.977	118669.758	118105.867	20.724	20.754	19.745
11/17/2023@09:10:00.000 PM	68353.492	68819.273	68280.555	118848.641	118904.453	118102.375	20.197	20.495	19.181
11/17/2023@09:20:00.000 PM	68486.789	68799.883	68367.148	118930.711	118907.977	118363.938	20.478	20.566	19.667
11/17/2023@09:30:00.000 PM	68531.367	68830.242	68441.82	118972.836	118998.273	118490.563	20.44	20.572	19.734

11/17/2023@09:40:00.000 PM	68505.273	68883.969	68409.883	119019.977	119041.109	118393.313	20.217	20.39	19.337
11/17/2023@09:50:00.000 PM	68415.172	68845.539	68386.75	118884.719	119026.977	118279.859	20.276	20.604	19.451
11/17/2023@10:00:00.000 PM	68747.852	69077.234	68605.781	119403.07	119359.711	118785.805	20.468	20.495	19.548
11/17/2023@10:10:00.000 PM	68731.719	69079.531	68620.078	119386.352	119374.656	118788.398	20.044	20.214	19.177
11/17/2023@10:20:00.000 PM	68673.125	69120.492	68631.586	119361.859	119474.203	118702.656	20.664	20.986	19.814
11/17/2023@10:30:00.000 PM	68665.492	69128.734	68680.43	119332.578	119542.438	118749.25	20.362	20.816	19.67
11/17/2023@10:40:00.000 PM	68652.031	69188.086	68691.305	119376.469	119637.117	118709.031	20.045	20.533	19.071
11/17/2023@10:50:00.000 PM	68888.945	69098.555	68845.016	119457.531	119587.164	119199.227	19.807	20.07	19.311
11/17/2023@11:00:00.000 PM	68662.516	69011.266	68626.289	119219.195	119354.773	118747.875	20.032	20.373	19.355
11/17/2023@11:10:00.000 PM	68869.906	69280.031	68872.547	119628.992	119816.68	119127.398	20.956	21.336	20.245
11/17/2023@11:20:00.000 PM	68750.977	69302.836	68809.273	119536.234	119850.68	118910.047	20.5	21.103	19.788
11/17/2023@11:30:00.000 PM	68844.914	69225.375	68812.633	119550.383	119714.359	119066.539	20.669	21.002	20.1
11/17/2023@11:40:00.000 PM	69261.625	69764.078	69309.867	120376.578	120672.195	119798.586	20.034	20.627	19.264
11/17/2023@11:50:00.000 PM	68854.555	69276.805	68878.922	119590.617	119847.57	119113.711	19.794	20.259	19.085
11/18/2023@12:00:00.000 AM	68730.273	69186.219	68753.406	119426.602	119664.117	118871.695	20.442	20.958	19.75
11/18/2023@12:10:00.000 AM	68825.352	69288.148	68826.43	119596.094	119811.273	119022.797	20.542	21.043	19.85

11/18/2023@12:20:00.000 AM	68939.469	69455.656	68806.617	119941.695	119912.398	119029.906	21.094	21.18	19.885
11/18/2023@12:30:00.000 AM	68916.102	69266.359	68838.148	119684.773	119742.453	119142.766	20.47	20.639	19.687
11/18/2023@12:40:00.000 AM	69293.664	69618.016	69230.945	120306.586	120383.813	119822.93	21.126	21.306	20.328
11/18/2023@12:50:00.000 AM	69075.289	69490.648	69014.922	120026.844	120118.422	119395.094	21.104	21.34	20.143
11/18/2023@01:00:00.000 AM	69195.031	69769.492	69261.211	120347.461	120653.406	119656.406	20.945	21.664	20.033
11/18/2023@01:10:00.000 AM	68619.227	69578.383	68899.633	119665.086	120353.055	118684.414	20.739	21.798	19.645
11/18/2023@01:20:00.000 AM	69346.938	69864.32	69322.859	120580.492	120751.477	119859.516	20.687	21.184	19.813
11/18/2023@01:30:00.000 AM	69554.352	69951.906	69498.789	120823.633	120930.273	120253.18	20.873	21.261	20.142
11/18/2023@01:40:00.000 AM	69730.719	70208.461	69701.367	121197.219	121369.883	120540.68	20.97	21.418	20.064
11/18/2023@01:50:00.000 AM	69804.586	70140.789	69720.93	121208.578	121268.539	120675.289	21.541	21.803	20.753
11/18/2023@02:00:00.000 AM	69763.195	70052.492	69628.586	121105.227	121082.586	120580.102	21.414	21.597	20.634
11/18/2023@02:10:00.000 AM	69857.172	70307.758	69832.141	121396.211	121554.242	120774.883	20.425	20.839	19.622
11/18/2023@02:20:00.000 AM	69792.664	70308.227	69852.961	121315.711	121608.461	120726.273	19.787	20.463	19.086
11/18/2023@02:30:00.000 AM	70273.367	70596.789	70154.82	122027.133	122019.93	121458.719	20.017	20.204	19.196
11/18/2023@02:40:00.000 AM	70233.984	70473.289	70050.602	121903.516	121774.672	121365.016	21.242	21.191	20.499
11/18/2023@02:50:00.000 AM	70427.953	70744.461	70376.727	122247.586	122351.461	121814.5	20.705	20.99	20.105

11/18/2023@03:00:00.000 AM	70158.039	70648.438	70279.547	121888.797	122282.086	121440.367	20.51	21.284	20.059
11/18/2023@03:10:00.000 AM	70203.016	70617.32	70164.453	121963.727	122098.234	121374.086	20.957	21.36	20.211
11/18/2023@03:20:00.000 AM	70572.219	70939.742	70504.234	122564.508	122645.031	122013.047	21.158	21.453	20.366
11/18/2023@03:30:00.000 AM	70728.328	70826.805	70530.313	122601.156	122449.797	122291.563	20.63	20.464	20.081
11/18/2023@03:40:00.000 AM	70339.234	70946.977	70486.555	122308.664	122770.836	121721.125	20.184	20.999	19.53
11/18/2023@03:50:00.000 AM	70458.344	70919.469	70447.477	122444.781	122623.414	121823.609	20.689	21.169	19.891
11/18/2023@04:00:00.000 AM	70350.102	70757.18	70316.078	122207.883	122345.625	121642.211	20.702	21.053	19.902
11/18/2023@04:10:00.000 AM	70348.914	70795.547	70330.688	122239.375	122413.086	121632.945	20.259	20.707	19.482
11/18/2023@04:20:00.000 AM	70689.867	71012.57	70603.609	122728.836	122777.039	122218.695	19.843	20.066	19.08
11/18/2023@04:30:00.000 AM	70471.969	70798.445	70325.156	122394.227	122326.273	121773.656	19.886	19.968	18.97
11/18/2023@04:40:00.000 AM	70722.305	70961.039	70599.508	122710.898	122687.93	122285.391	20.293	20.329	19.587
11/18/2023@04:50:00.000 AM	70616.977	70975.336	70511.391	122655.133	122665.336	122053.727	21.386	21.553	20.49
11/18/2023@05:00:00.000 AM	70552.859	70858.875	70481.539	122463.422	122536.266	122009.914	21.638	21.907	20.902
11/18/2023@05:10:00.000 AM	70569.797	70827.664	70477.547	122451.07	122485.883	122041.039	21.754	21.962	21.107
11/18/2023@05:20:00.000 AM	70714.375	71179.516	70783.078	122850.617	123153.406	122362.914	21.591	22.242	20.986
11/18/2023@05:30:00.000 AM	70813.492	71158.023	70717.781	122972.977	122998.805	122416.656	21.646	21.847	20.82

11/18/2023@05:40:00.000 AM	70857.781	71326.313	70856.172	123139.266	123327.766	122529.242	21.633	22.113	20.794
11/18/2023@05:50:00.000 AM	70619.273	71071.633	70566.258	122737.656	122839.203	122063.078	20.966	21.324	20.04
11/18/2023@06:00:00.000 AM	70787.586	71171.57	70726.023	122955.031	123045.063	122381.148	22.088	22.383	21.247
11/18/2023@06:10:00.000 AM	70588.078	71113.539	70579.398	122754.305	122914.406	122012.57	22.005	22.45	21.005
11/18/2023@06:20:00.000 AM	70633.164	71275.641	70657.5	122940.672	123171.039	122063.734	21.475	22.055	20.379
11/18/2023@06:30:00.000 AM	70671.398	71128.133	70591.578	122848.883	122906.039	122117.125	21.067	21.384	20.032
11/18/2023@06:40:00.000 AM	70827.922	71257.398	70752.375	123081.18	123151.203	122413.172	21.332	21.666	20.343
11/18/2023@06:50:00.000 AM	70773.078	71225.844	70743.273	122992.43	123130.352	122357.273	21.145	21.598	20.278
11/18/2023@07:00:00.000 AM	70370.672	71048.641	70540.539	122440.703	122921.781	121762.422	21.237	22.154	20.422
11/18/2023@07:10:00.000 AM	70637.266	71041.422	70580.695	122716.641	122812.164	122114.984	20.213	20.554	19.371
11/18/2023@07:20:00.000 AM	70365.609	70830.883	70305.453	122297.336	122422.125	121612.383	19.954	20.367	19.089
11/18/2023@07:30:00.000 AM	70361.891	70898.773	70355.469	122368.211	122545.008	121616.484	20.066	20.512	19.041
11/18/2023@07:40:00.000 AM	70170.5	70741.539	70217.648	122049.422	122311.867	121325.797	20.366	20.899	19.449
11/18/2023@07:50:00.000 AM	70409.961	70835.258	70346.961	122360.352	122426.914	121700.984	20.498	20.738	19.58
11/18/2023@08:00:00.000 AM	69935.859	70636.727	70158.578	121694.813	122250.977	121050.93	20.447	21.473	19.76
11/18/2023@08:10:00.000 AM	70136.156	70528.969	70039.219	121868.07	121884.594	121197.789	21	21.231	20.027

11/18/2023@08:20:00.000 AM	70008.227	70398.531	69992.375	121597.656	121745.727	121078.352	20.702	21.08	20.005
11/18/2023@08:30:00.000 AM	69889.398	70338.57	69965.867	121403.273	121710.766	120952.008	20.308	20.845	19.686
11/18/2023@08:40:00.000 AM	69737.305	70051.023	69802.852	120987.836	121282.234	120751.984	20.083	20.572	19.778
11/18/2023@08:50:00.000 AM	69660.852	69967.531	69719.391	120851.648	121133.734	120615.141	19.872	20.285	19.501
11/18/2023@09:00:00.000 AM	69385.492	69845.617	69379.477	120583.539	120766.109	119974.258	20.133	20.478	19.301
11/18/2023@09:10:00.000 AM	69363.313	69890.141	69453.625	120574.508	120908.695	120007.734	19.758	20.35	19.014
11/18/2023@09:20:00.000 AM	69159.625	69587.102	69136.984	120171.82	120310.852	119582.273	19.963	20.321	19.162
11/18/2023@09:30:00.000 AM	68971.75	69384.258	68987.648	119798.039	120020.664	119310.711	19.396	19.852	18.676
11/18/2023@09:40:00.000 AM	68682.18	69166.57	68760.953	119342.094	119667.039	118847.68	19.451	20.007	18.695
11/18/2023@09:50:00.000 AM	68546.148	68986.953	68528.852	119113.484	119274.141	118521.695	19.221	19.569	18.258
11/18/2023@10:00:00.000 AM	68713.164	69104.586	68661.258	119368.828	119460.594	118802.563	19.709	20.02	18.875
11/18/2023@10:10:00.000 AM	68843.313	69152.773	68717.789	119541	119509.5	118988.297	20.458	20.606	19.654
11/18/2023@10:20:00.000 AM	68295.43	68704.492	68171.891	118680.953	118692.781	117994.227	20.076	20.352	19.159
11/18/2023@10:30:00.000 AM	68526.414	68831.195	68412.18	118972.352	118976.141	118455.07	21.002	21.175	20.211
11/18/2023@10:40:00.000 AM	68401.633	68705.219	68287.992	118759.875	118748.75	118245.516	20.353	20.422	19.482
11/18/2023@10:50:00.000 AM	68455.836	68778.109	68346.906	118880	118863.75	118332.594	20.755	20.822	19.819

11/18/2023@11:00:00.000 AM	68550.336	68828.07	68417.438	119003.977	118949.781	118494.984	20.659	20.718	19.798
11/18/2023@11:10:00.000 AM	68329.047	68700.492	68293.109	118680.492	118792.813	118155.648	21.002	21.26	20.19
11/18/2023@11:20:00.000 AM	68463.383	68709.891	68314.5	118829.156	118752.906	118333.055	21.512	21.555	20.695
11/18/2023@11:30:00.000 AM	68452.109	68728.93	68349.938	118818.805	118820.914	118350.18	21.059	21.191	20.271
11/18/2023@11:40:00.000 AM	68380.008	68625.805	68265.594	118666.633	118637.211	118236.516	21.077	21.138	20.288
11/18/2023@11:50:00.000 AM	68298.258	68610.383	68180.563	118603.047	118570.219	118051.484	21.284	21.363	20.363
11/18/2023@12:00:00.000 PM	68360.023	68686.109	68282.523	118699.352	118748.063	118192.008	21.008	21.227	20.126
11/18/2023@12:10:00.000 PM	68374.203	68624.945	68231.453	118670.945	118613.719	118184.961	21.533	21.626	20.66
11/18/2023@12:20:00.000 PM	68428.047	68694.703	68338.344	118755.758	118783.484	118329.555	21.373	21.566	20.531
11/18/2023@12:30:00.000 PM	68395.195	68661.672	68246.141	118730.109	118660.336	118204.641	21.004	21.068	19.966
11/18/2023@12:40:00.000 PM	68541.711	68765.078	68312.063	118981.648	118772.109	118388.531	21.169	21.186	20.128
11/18/2023@12:50:00.000 PM	68675.609	68905.281	68483.352	119199.57	119054.375	118659.672	21.529	21.564	20.549
11/18/2023@01:00:00.000 PM	68708.188	69021.211	68666.797	119263.508	119385.922	118838.922	21.081	21.45	20.247
11/18/2023@01:10:00.000 PM	68479.734	68677.758	68321.008	118804.375	118718.602	118375.977	20.941	21.015	20.104
11/18/2023@01:20:00.000 PM	68624.336	68907.07	68461.539	119150.867	119064.484	118574.797	20.702	20.8	19.643
11/18/2023@01:30:00.000 PM	68559.695	68806.188	68433.695	118979.016	118950.555	118525.516	21.505	21.699	20.649

11/18/2023@01:40:00.000 PM	68567.672	68845.797	68418.711	119042.539	118971.594	118497.523	21.82	21.971	20.869
11/18/2023@01:50:00.000 PM	68583.242	68882.922	68435.367	119082.328	119038.172	118511.188	21.369	21.632	20.414
11/18/2023@02:00:00.000 PM	68621.203	68837.836	68371.188	119084.859	118904.578	118518.859	21.879	21.931	20.958
11/18/2023@02:10:00.000 PM	68339.297	68810.492	68300.141	118805.25	118936.828	118107.344	20.83	21.246	19.736
11/18/2023@02:20:00.000 PM	68567.109	68805.797	68545.547	118919.852	119076.617	118663.977	21.107	21.459	20.535
11/18/2023@02:30:00.000 PM	68516.602	68822.172	68414.891	118955.898	118977.734	118441.141	20.559	20.812	19.622
11/18/2023@02:40:00.000 PM	68615.859	68701.867	68410.992	118932.578	118782.68	118617.07	20.563	20.605	19.758
11/18/2023@02:50:00.000 PM	68627.961	68784.531	68389.117	119058.008	118842.813	118557.883	21.28	21.254	20.259
11/18/2023@03:00:00.000 PM	68415.797	68567.672	68201.188	118672.18	118491.938	118225.945	21.453	21.43	20.618
11/18/2023@03:10:00.000 PM	68362.039	68785.484	68251.648	118831.625	118838.125	118091.852	22.084	22.393	20.915
11/18/2023@03:20:00.000 PM	68402.32	68618.688	68247.438	118679.531	118614.844	118240.75	22.501	22.619	21.669
11/18/2023@03:30:00.000 PM	68512.734	68660.422	68261.117	118841.797	118618.203	118362.469	22.037	21.919	21.116
11/18/2023@03:40:00.000 PM	68551.461	68662.297	68276.047	118884.32	118621.188	118413.195	22.221	22.105	21.194
11/18/2023@03:50:00.000 PM	68366.563	68501.414	68163.523	118552.859	118399.883	118171.977	22.531	22.501	21.769
11/18/2023@04:00:00.000 PM	68542.477	68880.039	68306.992	119058.641	118932.633	118342.578	21.604	21.76	20.591
11/18/2023@04:10:00.000 PM	68589.688	68804.742	68362.352	119043.75	118857.43	118479.93	20.875	20.825	19.78

11/18/2023@04:20:00.000 PM	68472.297	68810.43	68331.711	118936.82	118898.336	118299.305	21.451	21.607	20.438
11/18/2023@04:30:00.000 PM	68534.109	68666.992	68370.367	118824	118736.773	118499.148	21.589	21.629	20.829
11/18/2023@04:40:00.000 PM	68409.07	68675.555	68343.57	118707.914	118780.789	118323.008	22.067	22.288	21.377
11/18/2023@04:50:00.000 PM	68590.586	68772.617	68396.094	118998.734	118850.695	118535.898	21.561	21.507	20.667
11/18/2023@05:00:00.000 PM	68710.867	68890.258	68505.766	119210.172	119049.063	118728.203	21.131	21.03	20.162
11/18/2023@05:10:00.000 PM	68475.367	68838.93	68396.148	118939.25	118998.477	118362.938	20.979	21.228	20.013
11/18/2023@05:20:00.000 PM	68320.078	68696.227	68328.109	118640.734	118836.375	118189.281	21.562	21.967	20.852
11/18/2023@05:30:00.000 PM	68485.383	68961.43	68541.352	119011.391	119297.125	118472.93	21.929	22.448	21.195
11/18/2023@05:40:00.000 PM	68545.508	68766.406	68374.297	118953.719	118852.094	118452.922	21.732	21.731	20.83
11/18/2023@05:50:00.000 PM	68630.156	68843.68	68481.695	119075.68	119012.063	118637.445	20.917	21	20.131
11/18/2023@06:00:00.000 PM	68530.875	68793.742	68427.445	118935.578	118949.156	118487.914	20.941	21.099	20.118
11/18/2023@06:10:00.000 PM	68314.859	68821.953	68319.367	118784.906	118975.422	118099.781	21.737	22.175	20.748
11/18/2023@06:20:00.000 PM	68577.703	68779.891	68374.016	119007.125	118844.008	118486.328	21.521	21.425	20.602
11/18/2023@06:30:00.000 PM	68742.172	68986.609	68561.039	119324.938	119200.57	118778.789	21.274	21.187	20.349
11/18/2023@06:40:00.000 PM	68686.461	68848.383	68513.695	119130.281	119021.742	118734.273	22.246	22.205	21.524
11/18/2023@06:50:00.000 PM	68688.672	68957.844	68561.805	119225.148	119205.258	118732.547	21.855	21.981	21.03

11/18/2023@07:00:00.000 PM	68539.953	68834.844	68381.125	119021.141	118930.188	118428.227	22.247	22.34	21.36
11/18/2023@07:10:00.000 PM	68462.914	68869.367	68350.242	118985.766	118982.859	118283.695	22.068	22.277	21.085
11/18/2023@07:20:00.000 PM	68395.5	68791.875	68331.82	118834.672	118904.43	118230.32	22.943	23.184	22.104
11/18/2023@07:30:00.000 PM	68495.75	68807.602	68358.547	118949.453	118902.25	118364.953	21.657	21.786	20.728
11/18/2023@07:40:00.000 PM	68400.133	68753.195	68252.641	118838.922	118773.648	118160.883	22.019	22.186	20.971
11/18/2023@07:50:00.000 PM	68501.813	68894.195	68428.016	119020.727	119075.578	118401.125	22.627	22.964	21.786
11/18/2023@08:00:00.000 PM	68476.992	68860.297	68395.844	118971.094	119010.344	118358.602	22.989	23.295	22.118
11/18/2023@08:10:00.000 PM	68506.102	68906.484	68414.883	119047.727	119071.602	118384.102	21.782	22.069	20.769
11/18/2023@08:20:00.000 PM	68344.242	68876.023	68378.164	118843.727	119092.234	118170.555	21.873	22.454	20.873
11/18/2023@08:30:00.000 PM	68477.984	68879.805	68401.617	118987.531	119045.539	118352.406	22.404	22.749	21.54
11/18/2023@08:40:00.000 PM	68585.383	68983.594	68549.656	119145.734	119275.602	118586.297	21.813	22.332	21.105
11/18/2023@08:50:00.000 PM	68470.945	68866.391	68396.086	118973.398	119023.688	118343.383	22.176	22.46	21.286
11/18/2023@09:00:00.000 PM	68749.781	69057.719	68607.531	119388.117	119327.883	118805.156	21.769	21.913	20.938
11/18/2023@09:10:00.000 PM	68660.383	68892.195	68498.555	119158.883	119063.523	118668.414	21.964	22.024	21.248
11/18/2023@09:20:00.000 PM	68700.336	68977.719	68565.813	119263.086	119221.07	118740.375	20.749	20.902	19.902
11/18/2023@09:30:00.000 PM	68743.945	69009.922	68609.484	119325.656	119285.563	118820.234	21.186	21.369	20.385

11/18/2023@09:40:00.000 PM	68610.344	69043.773	68574.914	119236.711	119355.938	118606.242	22.04	22.516	21.229
11/18/2023@09:50:00.000 PM	68669.695	68978.453	68527.57	119255.563	119194.023	118657.039	22.29	22.457	21.479
11/18/2023@10:00:00.000 PM	68757.969	69016.891	68585.078	119360.695	119260.844	118804.141	21.748	21.836	20.893
11/18/2023@10:10:00.000 PM	68495.945	68853.844	68335.906	119021.742	118925.555	118310.688	22.009	22.131	20.912
11/18/2023@10:20:00.000 PM	68447.914	68833.586	68272.305	118972.141	118862.68	118194.773	21.512	21.603	20.337
11/18/2023@10:30:00.000 PM	68336.219	68837.758	68274.883	118853.492	118930.461	118063.781	23.032	23.404	22.045
11/18/2023@10:40:00.000 PM	68635.281	68954.352	68428.398	119250.125	119068.672	118514.875	22.882	22.886	21.831
11/18/2023@10:50:00.000 PM	68484.469	68692.75	68331.633	118829.336	118746.281	118375.906	21.608	21.671	20.834
11/18/2023@11:00:00.000 PM	68602.945	68886.922	68417.617	119135.531	119002.844	118503.711	22.302	22.308	21.317
11/18/2023@11:10:00.000 PM	68634.68	68928.523	68425.305	119214.406	119043.258	118524.859	22.971	22.964	21.898
11/18/2023@11:20:00.000 PM	68654.164	68836.438	68413.133	119144.719	118897.383	118593.555	23.287	23.188	22.388
11/18/2023@11:30:00.000 PM	68541.688	68971.742	68461.93	119142.109	119183.992	118433.492	22.69	23.025	21.674
11/18/2023@11:40:00.000 PM	68637.461	69125.383	68603.289	119343.523	119474.531	118618.305	21.689	22.207	20.683
11/18/2023@11:50:00.000 PM	68652.375	68972.594	68464.352	119262.477	119127.18	118567.461	21.86	21.918	20.795
11/19/2023@12:00:00.000 AM	68334.047	68716.367	68172.484	118771.836	118672.461	118012.164	22.25	22.378	21.147
11/19/2023@12:10:00.000 AM	68579.797	68926.016	68392.195	119169.969	119031.266	118424.492	22.283	22.352	21.145

11/19/2023@12:20:00.000 AM	68666.039	68867.695	68486.766	119153.18	119018.047	118666.547	23.117	23.172	22.351
11/19/2023@12:30:00.000 AM	68630.93	68886.039	68415.172	119173.016	118982.094	118529.719	22.89	22.841	21.871
11/19/2023@12:40:00.000 AM	68790.883	69004.141	68506.039	119439.594	119128.586	118755.688	22.293	22.155	21.216
11/19/2023@12:50:00.000 AM	68701.313	68973.258	68457.766	119329	119091.461	118611.203	22.032	22.021	20.906
11/19/2023@01:00:00.000 AM	68845.711	69085.844	68583.422	119549.391	119285.586	118859.43	22.233	22.1	21.061
11/19/2023@01:10:00.000 AM	69048.93	69295.609	68718.133	119950.922	119562.563	119129.711	22.457	22.239	21.139
11/19/2023@01:20:00.000 AM	69071.055	69354.25	68802.898	120001.625	119713.625	119214.5	23.389	23.257	22.226
11/19/2023@01:30:00.000 AM	69233.539	69466.477	68930.797	120237.555	119897.336	119492.297	22.504	22.316	21.4
11/19/2023@01:40:00.000 AM	69204.156	69465.344	68912.18	120213.375	119893.375	119435.336	22.645	22.446	21.47
11/19/2023@01:50:00.000 AM	69234.664	69583.102	69035.484	120306.906	120161.039	119544.391	21.68	21.759	20.542
11/19/2023@02:00:00.000 AM	69379.406	69627.75	69076.109	120507.273	120174.516	119729.039	21.979	21.794	20.758
11/19/2023@02:10:00.000 AM	69281.281	69471.453	68958.094	120288.094	119902.602	119575.039	22.499	22.247	21.39
11/19/2023@02:20:00.000 AM	69265.289	69581.188	69046.789	120343.367	120143.273	119594.992	21.913	21.905	20.778
11/19/2023@02:30:00.000 AM	69202.898	69485.008	68906.156	120231.953	119909.828	119411.742	22.19	21.943	20.922
11/19/2023@02:40:00.000 AM	69198.102	69405.375	68839	120177.203	119747.813	119376.008	22.419	22.044	21.156
11/19/2023@02:50:00.000 AM	69680.445	69948.227	69365.172	121056.219	120702.086	120239.75	22.619	22.416	21.296

11/19/2023@03:00:00.000 AM	69482.633	69701.289	69104.891	120699.75	120231.758	119845.484	22.715	22.329	21.333
11/19/2023@03:10:00.000 AM	69571.742	69836.297	69238.102	120878.641	120483.008	120024.234	22.432	22.147	21.077
11/19/2023@03:20:00.000 AM	69638.25	69880.422	69296.797	120964.664	120571.883	120142.586	21.909	21.667	20.6
11/19/2023@03:30:00.000 AM	69723.117	69929.016	69378.758	121078.82	120671.273	120302.133	21.802	21.476	20.591
11/19/2023@03:40:00.000 AM	69812.016	70055	69483.617	121264.656	120886.211	120455.141	21.774	21.516	20.482
11/19/2023@03:50:00.000 AM	70040.711	70182.961	69659.508	121578.773	121105.906	120843.75	22.224	21.768	21.002
11/19/2023@04:00:00.000 AM	69851.344	70296.102	69782	121417.336	121481.141	120709.82	21.243	21.585	20.239
11/19/2023@04:10:00.000 AM	70041.906	70314.383	69773.391	121662.211	121384.5	120908.602	21.482	21.344	20.352
11/19/2023@04:20:00.000 AM	69919.75	70141.922	69578.813	121434.367	121034.758	120638.953	20.696	20.388	19.411
11/19/2023@04:30:00.000 AM	69876.922	70100.039	69571.063	121342.742	120999.156	120605.945	22.567	22.331	21.369
11/19/2023@04:40:00.000 AM	69981.398	70190.242	69627.43	121532.258	121112.188	120738.281	23.315	22.995	22.071
11/19/2023@04:50:00.000 AM	70006.102	70188.367	69690.336	121526.875	121163.211	120841.063	23.054	22.69	21.918
11/19/2023@05:00:00.000 AM	69982.188	70272.117	69670.859	121602	121252.383	120746.781	22.64	22.453	21.285
11/19/2023@05:10:00.000 AM	69771.719	69928.484	69421.516	121108.992	120689.867	120410.633	22.391	22.021	21.181
11/19/2023@05:20:00.000 AM	69725.672	70028.469	69423.727	121166.539	120839.383	120300.602	21.728	21.577	20.332
11/19/2023@05:30:00.000 AM	69728.375	69851.742	69404.438	120976.781	120608.258	120386.813	21.867	21.504	20.753

11/19/2023@05:40:00.000 AM	69939.109	70022.773	69567.797	121323.391	120869.766	120722.93	22.623	22.132	21.575
11/19/2023@05:50:00.000 AM	69700.57	70003.336	69515.453	121064.977	120921.445	120391.992	22.583	22.609	21.536
11/19/2023@06:00:00.000 AM	69690.891	69916.586	69484.422	120965.695	120798.813	120393.063	22.542	22.465	21.605
11/19/2023@06:10:00.000 AM	69732.648	69868.391	69405.484	121001.445	120628.938	120379.523	22.531	22.218	21.45
11/19/2023@06:20:00.000 AM	69550.305	69902.383	69330.391	120874.914	120682.57	120065.391	22.67	22.548	21.428
11/19/2023@06:30:00.000 AM	69725.781	69863.008	69424.797	120977.188	120641.484	120403.461	22.779	22.43	21.776
11/19/2023@06:40:00.000 AM	69675.641	69762	69401.258	120819.492	120531.063	120368.852	22.571	22.255	21.69
11/19/2023@06:50:00.000 AM	69637.828	69656.07	69324.086	120695.477	120342.703	120298.617	22.219	21.819	21.387
11/19/2023@07:00:00.000 AM	69540.57	69821.609	69365.945	120749.453	120638.656	120139.453	22.256	22.342	21.263
11/19/2023@07:10:00.000 AM	68972.086	69662.984	69159.086	120032.781	120539.484	119337.344	21.932	22.963	21.09
11/19/2023@07:20:00.000 AM	69689.633	69745.508	69348.508	120843.836	120443.906	120336.094	22.507	22.121	21.514
11/19/2023@07:30:00.000 AM	69481.938	69706.438	69173.82	120657.414	120314.391	119922.172	22.647	22.392	21.429
11/19/2023@07:40:00.000 AM	69463.156	69695.391	69153.484	120627.602	120299.82	119879.648	22.331	22.063	21.077
11/19/2023@07:50:00.000 AM	69319.719	69699.914	69052.344	120526.133	120268.57	119596.586	23.18	23.031	21.698
11/19/2023@08:00:00.000 AM	69521.609	69700.07	69044.328	120759.203	120140.344	119828.102	22.984	22.378	21.468
11/19/2023@08:10:00.000 AM	69371.883	69615.633	69069.961	120484.797	120148.711	119732.711	23.014	22.76	21.838

11/19/2023@08:20:00.000 AM	69415.984	69583.711	69043.031	120515.93	120062.813	119761.969	22.812	22.419	21.561
11/19/2023@08:30:00.000 AM	69400.625	69677.617	69110.758	120558.875	120263.484	119771.555	21.909	21.727	20.652
11/19/2023@08:40:00.000 AM	69129.391	69453.703	68895.398	120115.305	119909.953	119337.992	22.25	22.146	20.999
11/19/2023@08:50:00.000 AM	69032.063	69187.117	68715.93	119808.023	119450.438	119163.602	22.375	22.01	21.238
11/19/2023@09:00:00.000 AM	69221.25	69431.43	68891.086	120205.688	119820.531	119450.195	22.788	22.453	21.569
11/19/2023@09:10:00.000 AM	68985.93	69352.953	68834.766	119874.539	119804.344	119156.234	22.754	22.897	21.658
11/19/2023@09:20:00.000 AM	68992.109	69299.836	68746.477	119870.422	119640.461	119090.055	22.054	21.911	20.729
11/19/2023@09:30:00.000 AM	69065.961	69329.539	68796.305	119962.328	119690.711	119213.57	22.053	21.851	20.777
11/19/2023@09:40:00.000 AM	68791.414	69006.125	68516.984	119435.977	119145.313	118765.953	22.705	22.477	21.612
11/19/2023@09:50:00.000 AM	69036.188	69148.852	68686.555	119785.586	119364.938	119161.625	22.459	22.05	21.392
11/19/2023@10:00:00.000 AM	68889.25	69063.43	68557.25	119596.797	119200.383	118888.555	23.372	22.956	22.161
11/19/2023@10:10:00.000 AM	68744.555	69042.188	68472.016	119447.477	119171.719	118631.375	22.366	22.12	20.977
11/19/2023@10:20:00.000 AM	68798.859	69024.336	68483.953	119483.141	119129.383	118721.906	21.959	21.641	20.599
11/19/2023@10:30:00.000 AM	68587.328	68775.531	68212.969	119109.563	118650.352	118307.938	22.346	21.92	21.013
11/19/2023@10:40:00.000 AM	68577.633	68720.688	68260.039	119008.969	118644.867	118383.672	22.441	22.072	21.32
11/19/2023@10:50:00.000 AM	68603.641	68880.234	68298.484	119196.68	118860.992	118367.828	22.216	21.994	20.834

11/19/2023@11:00:00.000 AM	68494.438	68883.484	68294.078	119075.68	118927.492	118231.117	22.98	23.018	21.649
11/19/2023@11:10:00.000 AM	68456.625	68589.422	68136.789	118780.797	118428.266	118177.984	22.507	22.183	21.403
11/19/2023@11:20:00.000 AM	68402.906	68546	68096.141	118697.117	118354.836	118096.469	22.688	22.399	21.61
11/19/2023@11:30:00.000 AM	68459.289	68580.289	68108.789	118792.18	118381.289	118153.961	22.82	22.42	21.588
11/19/2023@11:40:00.000 AM	68639.578	68783.094	68267.227	119144.992	118693.57	118426.859	23.113	22.703	21.821
11/19/2023@11:50:00.000 AM	68592.555	68728.555	68210.078	119056.102	118598.727	118335.695	23	22.589	21.643
11/19/2023@12:00:00.000 PM	68420.148	68589.969	68098.523	118760.719	118409.539	118088.148	22.668	22.313	21.36
11/19/2023@12:10:00.000 PM	68613.047	68794.93	68240.164	119140.445	118690.688	118362.016	23.454	23.077	22.07
11/19/2023@12:20:00.000 PM	68594.258	68792.922	68258.219	119105.813	118721.727	118360.805	23.458	23.19	22.17
11/19/2023@12:30:00.000 PM	68771.148	68829.305	68382.063	119273.672	118815.125	118683.383	22.332	21.878	21.167
11/19/2023@12:40:00.000 PM	68769.82	68788.094	68432.289	119200.273	118823.578	118761.563	21.804	21.423	20.795
11/19/2023@12:50:00.000 PM	68816.797	68882.57	68455.219	119351.523	118927.492	118791.195	21.689	21.29	20.524
11/19/2023@01:00:00.000 PM	68836.633	69076.664	68569.641	119533.383	119272.867	118832.633	22.638	22.482	21.387
11/19/2023@01:10:00.000 PM	68822.32	68942.523	68442.617	119419.359	118983.828	118758.656	21.954	21.604	20.7
11/19/2023@01:20:00.000 PM	68774.445	68914.344	68444.234	119334.773	118985.852	118712.195	21.974	21.731	20.78
11/19/2023@01:30:00.000 PM	68842.539	68962.602	68493.305	119449.594	119052.641	118817.109	21.747	21.424	20.464

11/19/2023@01:40:00.000 PM	68756.664	68958.086	68470.063	119357.891	119075.156	118689.422	21.961	21.775	20.677
11/19/2023@01:50:00.000 PM	68850.602	68968.594	68507.484	119459.719	119065.859	118842.625	22.165	21.848	20.984
11/19/2023@02:00:00.000 PM	68920.109	69081.742	68585.25	119626.516	119245.461	118947.352	22.689	22.343	21.376

Cap. 2. Puteri active si reactive

Puterile activă și reactivă sunt esențiale în analiza circuitelor electrice, având un rol major în funcționarea sistemelor de energie.

Puterea activă P (măsurată în wați, W) reprezintă energia utilizată efectiv pentru a produce lucru mecanic sau căldură în sistem. Aceasta este energia transformată în forme

timestamp	kW a	kW b	kW c	kW tot	kVAR a	kVAR b	kVAR c
11/12/2023@03:30:00.000 PM	1327.91	1326.988	1239.688	3894.585	283.6	277.289	297.972
11/12/2023@03:40:00.000 PM	1297.876	1316.722	1229.243	3843.842	261.951	253.213	293.907
11/12/2023@03:50:00.000 PM	1263.793	1262.777	1195.92	3722.49	275.647	255.316	285.802
11/12/2023@04:00:00.000 PM	1310.235	1314.196	1230.353	3854.784	310.62	301.812	327.916
11/12/2023@04:10:00.000 PM	1351.389	1355.218	1275.776	3982.383	328.174	312.487	344.272
11/12/2023@04:20:00.000 PM	1323.422	1330.672	1249.506	3903.599	312.57	301.399	334.248
11/12/2023@04:30:00.000 PM	1333.927	1345.075	1260.002	3939.004	281.405	274.088	308.294

11/12/2023@04:40:00.000 PM	1348.263	1370.181	1268.197	3986.642	314.889	319.284	353.728
11/12/2023@04:50:00.000 PM	1368.088	1382.884	1293.922	4044.895	324.862	318.959	355.794
11/12/2023@05:00:00.000 PM	1363.272	1374.82	1295.894	4033.986	323.495	312.774	352.101
11/12/2023@05:10:00.000 PM	1361.047	1376.436	1281.203	4018.686	310.036	313.722	346.022
11/12/2023@05:20:00.000 PM	1374.544	1400.472	1298.071	4073.087	324.659	332.801	372.648
11/12/2023@05:30:00.000 PM	1353.082	1375.623	1293.151	4021.856	296.184	287.993	339.688
11/12/2023@05:40:00.000 PM	1323.012	1330.863	1255.081	3908.955	281.112	277.681	315.034
11/12/2023@05:50:00.000 PM	1321.124	1321.056	1233.158	3875.339	257.91	272.982	292.574
11/12/2023@06:00:00.000 PM	1353.325	1370.469	1272.237	3996.031	260.063	277.69	310.322
11/12/2023@06:10:00.000 PM	1421.12	1449.079	1344.923	4215.122	308.471	322.011	366.507
11/12/2023@06:20:00.000 PM	1435.621	1473.067	1357.19	4265.878	307.906	331.044	377.939
11/12/2023@06:30:00.000 PM	1369.488	1401.109	1286.366	4056.963	270.253	300.999	339.401
11/12/2023@06:40:00.000 PM	1401.483	1428.303	1315.05	4144.836	288.016	317.704	352.619
11/12/2023@06:50:00.000 PM	1395.277	1426.304	1319.373	4140.954	301.798	324.184	368.159
11/12/2023@07:00:00.000 PM	1419.933	1450.003	1350.379	4220.315	324.806	336.629	386.934
11/12/2023@07:10:00.000 PM	1482.617	1511.258	1406.404	4400.278	359.807	372.272	420.135

11/12/2023@07:20:00.000 PM	1489.07	1514.182	1414.22	4417.472	360.172	370.386	418.296
11/12/2023@07:30:00.000 PM	1480.768	1507.822	1411.913	4400.503	355.357	360.452	414.319
11/12/2023@07:40:00.000 PM	1512.562	1549.901	1448.043	4510.506	360.189	367.815	427.369
11/12/2023@07:50:00.000 PM	1507.681	1545.705	1430.947	4484.333	324.742	348.205	397.167
11/12/2023@08:00:00.000 PM	1514.438	1550.444	1440.257	4505.139	351.304	369.496	419.556
11/12/2023@08:10:00.000 PM	1481.775	1508.277	1414.265	4404.316	339.463	345.857	400.027
11/12/2023@08:20:00.000 PM	1467.158	1584.143	1370.093	4421.394	229.095	328.478	391.179
11/12/2023@08:30:00.000 PM	1503.149	1545.863	1429.828	4478.839	326.03	348.532	400.744
11/12/2023@08:40:00.000 PM	1468.615	1506.234	1415.806	4390.655	318.618	320.732	388.557
11/12/2023@08:50:00.000 PM	1431.46	1485.463	1350.453	4267.376	293.12	337.466	389.844
11/12/2023@09:00:00.000 PM	1388.126	1466.302	1309.916	4164.344	253.665	316.538	377.022
11/12/2023@09:10:00.000 PM	1445.775	1476.538	1378.406	4300.719	319.266	333.511	385.205
11/12/2023@09:20:00.000 PM	1455.776	1505.791	1391.47	4353.037	321.923	344.363	408.261
11/12/2023@09:30:00.000 PM	1451.755	1488.697	1390.472	4330.923	316.315	327.522	389.294
11/12/2023@09:40:00.000 PM	1442.529	1498.157	1390.94	4331.626	313.309	328.035	402.325
11/12/2023@09:50:00.000 PM	1436.482	1507.226	1373.671	4317.379	304.6	340.923	412.396

11/12/2023@10:00:00.000 PM	1447.11	1486.906	1390.466	4324.481	317.241	323.815	389.027
11/12/2023@10:10:00.000 PM	1417.711	1457.329	1358.288	4233.328	322.711	333.055	395.515
11/12/2023@10:20:00.000 PM	1449.225	1498.099	1375.756	4323.08	315.301	347.167	402.888
11/12/2023@10:30:00.000 PM	1430.528	1458.639	1356.84	4246.007	330.858	348.729	395.801
11/12/2023@10:40:00.000 PM	1429.119	1471.111	1355.214	4255.445	324.81	352.796	404.009
11/12/2023@10:50:00.000 PM	1435.745	1479.962	1355.874	4271.581	331.35	365.664	413.609
11/12/2023@11:00:00.000 PM	1440.359	1480.303	1366.53	4287.191	339.689	363.988	414.972
11/12/2023@11:10:00.000 PM	1447.152	1482.701	1368.696	4298.549	340.183	364.297	411.441
11/12/2023@11:20:00.000 PM	1397.1	1446.381	1331.094	4174.575	312.032	337.711	396.866
11/12/2023@11:30:00.000 PM	1400.197	1441.555	1334.363	4176.115	309.366	329.805	385.161
11/12/2023@11:40:00.000 PM	1422.233	1450.209	1315.294	4187.736	296.662	347.944	368.719
11/12/2023@11:50:00.000 PM	1379.353	1422.646	1314.43	4116.428	298.826	321.842	377.345
11/13/2023@12:00:00.000 AM	1414.821	1467.2	1369.482	4251.503	320.548	324.262	402.364
11/13/2023@12:10:00.000 AM	1406.239	1504.55	1343.831	4254.62	301.189	353.865	436.339
11/13/2023@12:20:00.000 AM	1401	1516.616	1373.719	4291.335	307.996	339.395	450.798
11/13/2023@12:30:00.000 AM	1445.65	1489.303	1383.387	4318.34	351.292	361.717	426.439

11/13/2023@12:40:00.000 AM	1446.628	1509.372	1367.487	4323.487	321.822	364.941	421.864
11/13/2023@12:50:00.000 AM	1447.687	1495.186	1380.489	4323.362	351.007	369.629	429.119
11/13/2023@01:00:00.000 AM	1404.368	1468.323	1343.525	4216.217	314.888	340.638	411.051
11/13/2023@01:10:00.000 AM	1324.733	1360.801	1261.681	3947.215	308.241	324.396	377.81
11/13/2023@01:20:00.000 AM	1332.107	1386.925	1267.253	3986.286	300.889	331.003	389.919
11/13/2023@01:30:00.000 AM	1340.667	1413.445	1264.961	4019.074	290.818	343.339	400.506
11/13/2023@01:40:00.000 AM	1440.115	1524.853	1369.253	4334.22	336.922	385.017	456.116
11/13/2023@01:50:00.000 AM	1447.818	1497.432	1378.023	4323.274	349.886	371.228	430.848
11/13/2023@02:00:00.000 AM	1438.734	1483.192	1369.424	4291.35	366.82	383.361	442.207
11/13/2023@02:10:00.000 AM	1415.794	1454.548	1339.896	4210.239	354.502	376.809	425.228
11/13/2023@02:20:00.000 AM	1398.479	1433.972	1300.017	4132.468	324.963	369.87	399.727
11/13/2023@02:30:00.000 AM	1479.845	1510.892	1390.468	4381.205	364.827	391.339	430.268
11/13/2023@02:40:00.000 AM	1468.638	1490.155	1387.347	4346.141	366.556	378.975	419.347
11/13/2023@02:50:00.000 AM	1456.182	1486.367	1378.66	4321.209	358.702	375.143	421.914
11/13/2023@03:00:00.000 AM	1483.605	1508.023	1391.334	4382.962	396.447	419.609	454.372
11/13/2023@03:10:00.000 AM	1472.474	1503.287	1387.823	4363.584	404.649	424.8	466.235

11/13/2023@03:20:00.000 AM	1486.111	1506.452	1403.719	4396.282	400.269	409.68	451.366
11/13/2023@03:30:00.000 AM	1502.898	1528.202	1427.291	4458.391	396.252	402.174	451.345
11/13/2023@03:40:00.000 AM	1446.926	1483.826	1360.463	4291.214	414.852	441.534	480.761
11/13/2023@03:50:00.000 AM	1422.434	1455.632	1337.546	4215.611	383.64	408.846	446.994
11/13/2023@04:00:00.000 AM	1469.782	1511.002	1384.945	4365.729	412.29	437.893	482.193
11/13/2023@04:10:00.000 AM	1494.66	1524.853	1420.667	4440.18	422.884	427.914	478.046
11/13/2023@04:20:00.000 AM	1446.751	1470.6	1355.333	4272.685	383.924	407.563	439.942
11/13/2023@04:30:00.000 AM	1413.513	1438.341	1346.736	4198.59	384.306	387.169	436.708
11/13/2023@04:40:00.000 AM	1393.912	1419.831	1304.883	4118.625	366.739	395.236	426.868
11/13/2023@04:50:00.000 AM	1441.895	1467.692	1353.366	4262.953	399.945	422.786	457.412
11/13/2023@05:00:00.000 AM	1457.595	1481.804	1367.228	4306.627	389.289	411.087	446.057
11/13/2023@05:10:00.000 AM	963.966	1045.509	940.925	2950.4	915.527	903.956	964.128
11/13/2023@05:20:00.000 AM	1281.247	1324.087	1201.658	3806.993	321.574	358.828	397.739
11/13/2023@05:30:00.000 AM	1378.16	1426.222	1292.047	4096.43	327.959	372.434	413.624
11/13/2023@05:40:00.000 AM	1422.256	1453.461	1338.586	4214.303	375.834	398.693	438.323
11/13/2023@05:50:00.000 AM	1445.584	1497.266	1346.259	4289.109	339.647	393.343	430.947

11/13/2023@06:00:00.000 AM	1453.01	1494.132	1369.63	4316.773	399.759	426.733	471.878
11/13/2023@06:10:00.000 AM	1477.116	1520.743	1369.313	4367.172	407.352	459.616	487.723
11/13/2023@06:20:00.000 AM	1496.611	1540.857	1391.424	4428.892	409.465	457.667	488.543
11/13/2023@06:30:00.000 AM	1503.858	1522.223	1427.498	4453.579	423.306	422.939	468.513
11/13/2023@06:40:00.000 AM	1471.347	1492.006	1389.361	4352.713	412.517	422.118	462.015
11/13/2023@06:50:00.000 AM	1401.463	1417.101	1319.027	4137.591	359.606	373.608	408.33
11/13/2023@07:00:00.000 AM	1423.311	1440.265	1339.78	4203.355	373.224	386.592	422.359
11/13/2023@07:10:00.000 AM	1376.945	1393.712	1292.233	4062.891	328.782	348.171	380.794
11/13/2023@07:20:00.000 AM	1462.684	1488.812	1369.742	4321.237	380.744	404.955	439.832
11/13/2023@07:30:00.000 AM	1409.024	1446.575	1319.84	4175.439	344.211	377.911	418.138
11/13/2023@07:40:00.000 AM	1382.231	1437.428	1291.444	4111.104	316.077	365.785	409.78
11/13/2023@07:50:00.000 AM	1394.836	1440.617	1300.014	4135.467	334.717	381.968	421.692
11/13/2023@08:00:00.000 AM	1420.915	1508.974	1332.767	4262.656	330.62	396.987	457.095
11/13/2023@08:10:00.000 AM	1429.063	1443.906	1333.524	4206.493	370.161	395.133	418.769
11/13/2023@08:20:00.000 AM	1432.368	1457.267	1335.276	4224.911	380.144	411.135	438.113
11/13/2023@08:30:00.000 AM	1422.909	1442.128	1315.305	4180.341	355.39	396.05	412.495

11/13/2023@08:40:00.000 AM	1435.524	1476.531	1344.543	4256.598	385.589	419.524	458.496
11/13/2023@08:50:00.000 AM	1355.686	1364.321	1251.093	3971.099	324.962	362.141	373.017
11/13/2023@09:00:00.000 AM	1287.197	1313.441	1190.367	3791.006	313.075	359.239	377.185
11/13/2023@09:10:00.000 AM	1329.808	1350.604	1222.148	3902.56	324.532	374.206	384.571
11/13/2023@09:20:00.000 AM	1315.508	1359.316	1207.584	3882.407	292.897	357.696	377.451
11/13/2023@09:30:00.000 AM	1348.285	1379.289	1253.075	3980.649	267.551	310.85	328.774
11/13/2023@09:40:00.000 AM	1301.978	1308.277	1203.553	3813.809	280.437	313.461	321.099
11/13/2023@09:50:00.000 AM	1231.377	1296.926	1153.939	3682.242	250.221	312.18	344.636
11/13/2023@10:00:00.000 AM	1228.107	1267.047	1146.327	3641.481	244.84	290.111	304.016
11/13/2023@10:10:00.000 AM	1222.653	1305.517	1145.103	3673.273	218.139	288.055	322.639
11/13/2023@10:20:00.000 AM	1278.14	1369.837	1211.946	3859.923	232.47	291.983	340.788
11/13/2023@10:30:00.000 AM	1246.483	1309.612	1166.429	3722.523	224.516	280.342	306.475
11/13/2023@10:40:00.000 AM	1289.813	1336.635	1206.49	3832.938	250.075	293.441	313.792
11/13/2023@10:50:00.000 AM	1237.804	1278.738	1159.956	3676.497	208.727	244.66	264.439
11/13/2023@11:00:00.000 AM	1321.196	1369.453	1232.092	3922.74	308.819	350.507	368.978
11/13/2023@11:10:00.000 AM	1372.278	1418.025	1283.878	4074.18	355.461	387.003	407.389

11/13/2023@11:20:00.000 AM	1434.7	1487.424	1346.556	4268.681	369.148	398.286	425.131
11/13/2023@11:30:00.000 AM	1448.009	1534.802	1346.606	4329.417	334.771	401.46	429.362
11/13/2023@11:40:00.000 AM	1381.211	1422.805	1288.673	4092.689	320.658	350.678	369.289
11/13/2023@11:50:00.000 AM	1427.93	1467.373	1333.694	4228.998	373.883	397.714	415.911
11/13/2023@12:00:00.000 PM	1455.735	1502.19	1359.972	4317.897	383.285	409.103	431.918
11/13/2023@12:10:00.000 PM	1469.891	1543.194	1364.573	4377.659	366.032	419.245	444.476
11/13/2023@12:20:00.000 PM	1514.324	1556.965	1427.698	4498.987	405.773	412.263	442.395
11/13/2023@12:30:00.000 PM	1464.5	1514.184	1374.584	4353.269	368.791	388.656	415.239
11/13/2023@12:40:00.000 PM	1417.755	1500.031	1320.381	4238.167	319.786	372.999	406.617
11/13/2023@12:50:00.000 PM	1344.671	1431.605	1261.15	4037.426	275.999	323.238	364.375
11/13/2023@01:00:00.000 PM	1368.51	1400.072	1278.476	4047.058	310.058	323.471	340.783
11/13/2023@01:10:00.000 PM	1323.322	1379.529	1244.081	3946.933	285.668	306.82	339.781
11/13/2023@01:20:00.000 PM	1324.973	1364.297	1238.656	3927.926	318.16	330.915	352.055
11/13/2023@01:30:00.000 PM	1435.194	1484.712	1336.33	4256.236	365.48	391.753	412.986
11/13/2023@01:40:00.000 PM	1368.875	1411.664	1270.762	4051.301	335.812	361.59	379.459
11/13/2023@01:50:00.000 PM	1410.281	1442.309	1310.692	4163.282	376.781	391.145	405.193

11/13/2023@02:00:00.000 PM	1365.363	1392.864	1263.052	4021.278	360.717	378.396	386.697
11/13/2023@02:10:00.000 PM	1366.259	1394.587	1270.747	4031.594	365.989	377.012	390.769
11/13/2023@02:20:00.000 PM	1408.067	1437.601	1313.446	4159.113	378.105	386.702	402.989
11/13/2023@02:30:00.000 PM	1406.631	1443.642	1312.238	4162.511	355.117	369.256	389.351
11/13/2023@02:40:00.000 PM	1418	1452.577	1324.424	4195	368.605	376.775	395.386
11/13/2023@02:50:00.000 PM	1371.766	1397.689	1273.544	4042.999	343.947	357.624	368.631
11/13/2023@03:00:00.000 PM	1434.271	1474.433	1341.806	4250.51	333.891	349.749	370.807
11/13/2023@03:10:00.000 PM	1429.201	1464.143	1340.106	4233.45	337.16	346.993	368.508
11/13/2023@03:20:00.000 PM	1339.373	1430.33	1245.377	4015.08	265.627	325.442	360.961
11/13/2023@03:30:00.000 PM	1288.189	1335.478	1192.553	3816.22	241.28	279.505	293.677
11/13/2023@03:40:00.000 PM	1309.868	1346.496	1222.687	3879.051	223.349	246.066	263.841
11/13/2023@03:50:00.000 PM	1339.028	1389.773	1259.585	3988.386	263.01	283.735	313.392
11/13/2023@04:00:00.000 PM	1270.329	1302.971	1188.068	3761.368	216.256	236.393	254.316
11/13/2023@04:10:00.000 PM	1270.324	1344.403	1188.926	3803.653	246.633	293.552	328.458
11/13/2023@04:20:00.000 PM	1362.618	1423.724	1281.388	4067.73	294.1	323.322	357.231
11/13/2023@04:30:00.000 PM	1377.998	1430.351	1291.043	4099.392	308.084	336.685	362.203

11/13/2023@04:40:00.000 PM	1321.922	1373.588	1235.825	3931.335	284.157	318.864	341.226
11/13/2023@04:50:00.000 PM	1339.996	1405.344	1255.698	4001.039	277.53	320.112	351.331
11/13/2023@05:00:00.000 PM	1384.364	1459.38	1294.76	4138.503	299.631	353.19	384.063
11/13/2023@05:10:00.000 PM	1332.591	1403.654	1249.589	3985.833	292.736	340.863	372.319
11/13/2023@05:20:00.000 PM	1417.061	1504.196	1336.512	4257.769	317.943	371.532	412.523
11/13/2023@05:30:00.000 PM	1424.086	1487.961	1349.326	4261.374	328.836	360.949	399.416
11/13/2023@05:40:00.000 PM	1394.338	1496.568	1324.875	4215.781	288.752	346.885	400.101
11/13/2023@05:50:00.000 PM	1393.076	1467.4	1324.707	4185.183	296.592	335.68	381.573
11/13/2023@06:00:00.000 PM	1388.865	1465.186	1328.781	4182.833	279.548	313.413	365.397
11/13/2023@06:10:00.000 PM	1366.033	1438.336	1305.064	4109.433	267.607	303.29	352.573
11/13/2023@06:20:00.000 PM	1370.038	1477.403	1313.91	4161.351	270.351	322.883	392.68
11/13/2023@06:30:00.000 PM	1298.359	1379.512	1241.94	3919.812	193.643	238.318	293.892
11/13/2023@06:40:00.000 PM	1271.146	1347.007	1210.947	3829.1	215.302	261.462	312.06
11/13/2023@06:50:00.000 PM	1292.75	1371.53	1236.861	3901.141	202.174	247.254	302.477
11/13/2023@07:00:00.000 PM	1313.714	1415.552	1257.604	3986.871	210.818	270.352	333.5
11/13/2023@07:10:00.000 PM	1340.098	1444.949	1293.906	4078.953	232.572	283.141	355.601

11/13/2023@07:20:00.000 PM	1348.074	1434.752	1295.347	4078.173	236.195	280.37	343.644
11/13/2023@07:30:00.000 PM	1359.903	1457.479	1310.293	4127.675	245.356	294.004	366.222
11/13/2023@07:40:00.000 PM	1379.34	1474.343	1315.248	4168.932	252.673	312.83	373.366
11/13/2023@07:50:00.000 PM	1388.864	1481.499	1335.797	4206.16	254.811	301.917	370.17
11/13/2023@08:00:00.000 PM	1372.165	1449.87	1306.139	4128.173	237.46	289.186	344.113
11/13/2023@08:10:00.000 PM	1389.621	1450.428	1316.147	4156.196	260.867	304.285	362.826
11/13/2023@08:20:00.000 PM	1383.723	1454.652	1315.33	4153.705	258.874	306.085	371.195
11/13/2023@08:30:00.000 PM	1405.495	1484.737	1324.384	4214.616	268.126	331.955	391.129
11/13/2023@08:40:00.000 PM	1430.258	1519.167	1350.041	4299.467	277.436	345.406	405.867
11/13/2023@08:50:00.000 PM	1442.022	1507.779	1369.147	4318.948	292.514	335.066	395.821
11/13/2023@09:00:00.000 PM	1470.36	1544.717	1402.265	4417.342	323.417	364.702	433.896
11/13/2023@09:10:00.000 PM	1441.938	1512.829	1386.332	4341.098	327.537	355.171	434.3
11/13/2023@09:20:00.000 PM	1404.536	1478.422	1341.147	4224.105	302.54	344.344	417.28
11/13/2023@09:30:00.000 PM	1409.951	1468.744	1356.521	4235.215	323.515	343.096	417.444
11/13/2023@09:40:00.000 PM	1410.326	1457.502	1349.676	4217.503	323.646	343.647	412.839
11/13/2023@09:50:00.000 PM	1406.198	1477.79	1339.85	4223.837	284.374	329.243	408.765

11/13/2023@10:00:00.000 PM	1475.383	1526.251	1410.184	4411.817	326.667	349.387	424.426
11/13/2023@10:10:00.000 PM	1448.872	1508.61	1383.698	4341.181	295.783	326.437	403.96
11/13/2023@10:20:00.000 PM	1460.359	1565.762	1388.978	4415.099	294.1	362.289	447.308
11/13/2023@10:30:00.000 PM	1446.908	1512.755	1378.467	4338.129	309.085	347.247	423.892
11/13/2023@10:40:00.000 PM	1434.534	1509.736	1353.359	4297.629	290.837	350.335	420.085
11/13/2023@10:50:00.000 PM	1054.735	1091.841	1003.103	3149.679	-25.273	10.09	67.931
11/13/2023@11:00:00.000 PM	1032.745	1070.887	982.306	3085.938	-6.371	29.908	88.75
11/13/2023@11:10:00.000 PM	1070.029	1113.525	1011.299	3194.852	20.779	66.244	122.418
11/13/2023@11:20:00.000 PM	1197.831	1253.09	1133.603	3584.523	152.529	200.618	261.009
11/13/2023@11:30:00.000 PM	1312.894	1378.557	1255.336	3946.787	240.628	278.607	353.047
11/13/2023@11:40:00.000 PM	1284.205	1327.262	1217.195	3828.662	224.305	258.944	317.661
11/13/2023@11:50:00.000 PM	1240.349	1286.744	1178.694	3705.787	214.591	247.513	309.295
11/14/2023@12:00:00.000 AM	1289.863	1334.206	1229.683	3853.752	286.445	310.172	375.849
11/14/2023@12:10:00.000 AM	1346.602	1406.212	1271.689	4024.504	333.706	376.552	439.579
11/14/2023@12:20:00.000 AM	1428.06	1476.382	1345.983	4250.425	337.541	375.611	433.964
11/14/2023@12:30:00.000 AM	1446.926	1490.811	1376.949	4314.687	351.89	373.151	440.128

11/14/2023@12:40:00.000 AM	1407.031	1445.234	1332.849	4185.114	313.587	338.255	396.394
11/14/2023@12:50:00.000 AM	1348.327	1394.075	1270.846	4013.248	266.685	306.333	363.001
11/14/2023@01:00:00.000 AM	1332.501	1382.184	1249.184	3963.869	258.293	307.707	360.349
11/14/2023@01:10:00.000 AM	1349.152	1398.969	1268.158	4016.279	284.876	329.585	385.721
11/14/2023@01:20:00.000 AM	1398.044	1451.259	1323.641	4172.944	329.198	363.501	428.636
11/14/2023@01:30:00.000 AM	1405.358	1451.59	1338.345	4195.293	330.255	351.898	419.187
11/14/2023@01:40:00.000 AM	1417.037	1454.594	1349.126	4220.758	351.997	367.504	430.966
11/14/2023@01:50:00.000 AM	1397.98	1441.086	1316.865	4155.931	335.024	369.905	424.725
11/14/2023@02:00:00.000 AM	1381.896	1417.366	1305.717	4104.979	330.001	356.143	410.127
11/14/2023@02:10:00.000 AM	1121.828	1164.825	1047.509	3334.162	272.497	318.507	361.732
11/14/2023@02:20:00.000 AM	1333.018	1377.253	1250.429	3960.699	319.055	359.217	410.142
11/14/2023@02:30:00.000 AM	1406.299	1443.993	1317.477	4167.769	313.36	352.652	399.297
11/14/2023@02:40:00.000 AM	1369.555	1403.151	1287.515	4060.22	301.515	334.263	382.249
11/14/2023@02:50:00.000 AM	1306.986	1343.831	1230.81	3881.628	273.821	309.267	358.949
11/14/2023@03:00:00.000 AM	1314.422	1361.722	1242.909	3919.052	333.791	365.517	422.699
11/14/2023@03:10:00.000 AM	1323.599	1358.132	1242.393	3924.124	284.469	321.112	366.798

11/14/2023@03:20:00.000 AM	1315.41	1349.914	1242.084	3907.408	292.874	320.904	371.386
11/14/2023@03:30:00.000 AM	1346.597	1381.383	1271.382	3999.362	311.765	338.793	389.795
11/14/2023@03:40:00.000 AM	1294.654	1321.492	1214.026	3830.172	289.374	320.106	361.807
11/14/2023@03:50:00.000 AM	1282.333	1305.953	1200.741	3789.027	264.02	296.171	335.362
11/14/2023@04:00:00.000 AM	1292.691	1321.75	1210.338	3824.779	270.449	306.91	347.779
11/14/2023@04:10:00.000 AM	1352.294	1383.257	1273.884	4009.436	302.838	330.384	377.567
11/14/2023@04:20:00.000 AM	1372.151	1404.275	1290.728	4067.155	303.403	332.946	380.223
11/14/2023@04:30:00.000 AM	1342.742	1373.682	1258.494	3974.918	286.9	322.052	364.037
11/14/2023@04:40:00.000 AM	1287.912	1314.551	1198.277	3800.74	262.16	304.538	338.499
11/14/2023@04:50:00.000 AM	1315.473	1352.509	1232.005	3899.987	288.962	328.414	372.383
11/14/2023@05:00:00.000 AM	1266.765	1298.184	1182.597	3747.547	274.923	315.548	353.805
11/14/2023@05:10:00.000 AM	1289.326	1319.663	1204.718	3813.707	294.147	331.106	369.596
11/14/2023@05:20:00.000 AM	1318.199	1354.397	1240.084	3912.681	311.469	342.949	390.431
11/14/2023@05:30:00.000 AM	1339.529	1372.587	1254.36	3966.476	319.556	355.801	397.138
11/14/2023@05:40:00.000 AM	1313.611	1350.949	1226.998	3891.558	320.777	362.884	403.59
11/14/2023@05:50:00.000 AM	1314.28	1350.993	1227.885	3893.158	317.13	358.963	400.186

11/14/2023@06:00:00.000 AM	1328.346	1362.411	1259.535	3950.292	309.286	330.262	384.581
11/14/2023@06:10:00.000 AM	1293.785	1332.899	1212.031	3838.714	300.029	339.839	386.2
11/14/2023@06:20:00.000 AM	1319.187	1377.177	1255.87	3952.235	328.451	355.954	424.418
11/14/2023@06:30:00.000 AM	1363.317	1410.844	1278.928	4053.088	320.948	364.575	414.96
11/14/2023@06:40:00.000 AM	1341.133	1384.243	1254.403	3979.779	323.841	367.525	413.955
11/14/2023@06:50:00.000 AM	1299.141	1370.955	1225.343	3895.439	261.574	316.971	382.337
11/14/2023@07:00:00.000 AM	1348.391	1442.154	1289.427	4079.973	293.593	341.089	428.092
11/14/2023@07:10:00.000 AM	1337.804	1378.136	1270.095	3986.035	295.297	319.165	378.647
11/14/2023@07:20:00.000 AM	1346.371	1385.776	1266.778	3998.926	290.17	325.695	376.674
11/14/2023@07:30:00.000 AM	1319.455	1350.592	1252.97	3923.017	268.3	287.866	344.46
11/14/2023@07:40:00.000 AM	1273.171	1314.432	1214.217	3801.82	252.537	274.33	336.641
11/14/2023@07:50:00.000 AM	1314.281	1368.375	1253.985	3936.642	250.812	281.487	351.01
11/14/2023@08:00:00.000 AM	1382.188	1424.981	1314.243	4121.412	279.681	304.851	366.659
11/14/2023@08:10:00.000 AM	1357.352	1399.874	1295.662	4052.887	270.933	290.361	355.856
11/14/2023@08:20:00.000 AM	1308.612	1350.509	1244.617	3903.739	250.546	275.592	338.226
11/14/2023@08:30:00.000 AM	1312.934	1347.927	1241.334	3902.195	249.944	278.754	330.02

11/14/2023@08:40:00.000 AM	1378.565	1419.464	1317.527	4115.555	270.012	287.599	352.214
11/14/2023@08:50:00.000 AM	1346.568	1383.346	1304.119	4034.033	239.336	240.109	315.205
11/14/2023@09:00:00.000 AM	1331.456	1370.006	1267.356	3968.818	211.482	236.338	296.7
11/14/2023@09:10:00.000 AM	989.284	1089.225	974.562	3053.071	835.792	836.139	922.812
11/14/2023@09:20:00.000 AM	1210.204	1266.102	1139.987	3616.293	146.614	198.02	250.876
11/14/2023@09:30:00.000 AM	1345.92	1380.083	1281.962	4007.965	200.969	222.283	276.026
11/14/2023@09:40:00.000 AM	1297.495	1364.493	1243.059	3905.048	177.532	214.296	285.215
11/14/2023@09:50:00.000 AM	1303.295	1371.825	1244.444	3919.564	178.192	219.339	288.614
11/14/2023@10:00:00.000 AM	1255.421	1319.233	1197.404	3772.057	164.238	207.866	262.663
11/14/2023@10:10:00.000 AM	1287.829	1352.628	1226.952	3867.409	171.015	214.105	267.369
11/14/2023@10:20:00.000 AM	1301.497	1352.837	1242.464	3896.797	188.632	217.863	267.341
11/14/2023@10:30:00.000 AM	1355.166	1412.768	1298.46	4066.394	193.739	222.407	279.269
11/14/2023@10:40:00.000 AM	1359.809	1416.453	1306.289	4082.551	205.05	227.36	287.682
11/14/2023@10:50:00.000 AM	1313.456	1361.955	1253.15	3928.561	188.014	216.229	267.023
11/14/2023@11:00:00.000 AM	1301.242	1351.043	1242.204	3894.489	175.418	205.654	257.426
11/14/2023@11:10:00.000 AM	1343.393	1410.32	1280.087	4033.799	183.442	226.719	283.074

11/14/2023@11:20:00.000 AM	1371.56	1423.835	1315.494	4110.89	196.174	219.82	276.091
11/14/2023@11:30:00.000 AM	1336.864	1425.925	1273.413	4036.202	159.393	217.206	281.332
11/14/2023@11:40:00.000 AM	1313.116	1382.283	1252.652	3948.051	156.478	200.069	258.562
11/14/2023@11:50:00.000 AM	1297.127	1347.198	1232.322	3876.647	156.126	192.712	240.869
11/14/2023@12:00:00.000 PM	1315.694	1361.899	1251.376	3928.97	171.906	203.26	250.729
11/14/2023@12:10:00.000 PM	1357.654	1430.633	1291.653	4079.941	173.031	220.808	279.796
11/14/2023@12:20:00.000 PM	1364.96	1408.845	1303.995	4077.8	198.672	219.591	270.513
11/14/2023@12:30:00.000 PM	1325.993	1371.544	1268.179	3965.715	170.69	193.48	245.857
11/14/2023@12:40:00.000 PM	1332.718	1376.239	1279.4	3988.357	159.946	175.822	232.406
11/14/2023@12:50:00.000 PM	1313.242	1357.173	1257.011	3927.426	156.427	177.429	228.711
11/14/2023@01:00:00.000 PM	1312.909	1355.863	1259.247	3928.018	161.853	179.124	232.928
11/14/2023@01:10:00.000 PM	1342.875	1415.812	1289.558	4048.246	183.71	218.07	283.078
11/14/2023@01:20:00.000 PM	1316.624	1359.307	1251.988	3927.919	190.438	215.117	261.997
11/14/2023@01:30:00.000 PM	1306.139	1353.913	1240.581	3900.634	184.8	215.011	261.881
11/14/2023@01:40:00.000 PM	1356.702	1400.274	1299.864	4056.841	224.609	236.862	291.288
11/14/2023@01:50:00.000 PM	1348.542	1389.192	1288.847	4026.581	208.943	223.212	273.994

11/14/2023@02:00:00.000 PM	1340.801	1378.962	1281.033	4000.795	199.605	213.301	262.252
11/14/2023@02:10:00.000 PM	1325.555	1361.613	1266.337	3953.505	197.148	210.971	257.896
11/14/2023@02:20:00.000 PM	1311.519	1362.974	1251.503	3925.996	184.961	212.331	264.632
11/14/2023@02:30:00.000 PM	1385.513	1422.951	1335.161	4143.624	227.698	228.645	286.476
11/14/2023@02:40:00.000 PM	1376.634	1438.436	1320.618	4135.688	195.624	220.461	282.968
11/14/2023@02:50:00.000 PM	1336.569	1400.193	1277.385	4014.147	149.194	182.749	241.357
11/14/2023@03:00:00.000 PM	1253.014	1337.043	1196.746	3786.803	118.602	170.421	235.685
11/14/2023@03:10:00.000 PM	1262.012	1306.783	1199.983	3768.778	149.762	178.832	224.49
11/14/2023@03:20:00.000 PM	1301.693	1365.523	1241.208	3908.423	167.751	202.849	258.732
11/14/2023@03:30:00.000 PM	1350.795	1413.4	1294.016	4058.211	203.53	231.243	292.014
11/14/2023@03:40:00.000 PM	1383.283	1429.955	1329.452	4142.69	230.815	243.795	301.649
11/14/2023@03:50:00.000 PM	1350.369	1393.356	1290.939	4034.664	223.389	242.315	292.088
11/14/2023@04:00:00.000 PM	1316.433	1382.153	1259.169	3957.755	197.937	233.013	292.473
11/14/2023@04:10:00.000 PM	1310.696	1377.071	1255.494	3943.261	175.924	210.081	270.958
11/14/2023@04:20:00.000 PM	1335.386	1381.136	1279.673	3996.194	209.032	227.086	281.492
11/14/2023@04:30:00.000 PM	1332.62	1379.081	1280.098	3991.799	194.66	212.258	269.117

11/14/2023@04:40:00.000 PM	1319.862	1370.743	1264.778	3955.383	208.892	231.579	286.839
11/14/2023@04:50:00.000 PM	1290.125	1340.875	1233.58	3864.58	185.856	212.979	266.637
11/14/2023@05:00:00.000 PM	1290.451	1343.012	1232.228	3865.691	181.61	212.286	265.214
11/14/2023@05:10:00.000 PM	1349.61	1417.853	1294.806	4062.27	206.13	237.121	300.025
11/14/2023@05:20:00.000 PM	1326.228	1395.184	1272.733	3994.145	198.212	233.22	295.146
11/14/2023@05:30:00.000 PM	1290.273	1361.195	1236.433	3887.9	190.564	229.547	292.518
11/14/2023@05:40:00.000 PM	1344.322	1391.357	1287.182	4022.861	212.965	236.521	292.352
11/14/2023@05:50:00.000 PM	1309.729	1358.015	1247.388	3915.132	174.941	208.282	259.877
11/14/2023@06:00:00.000 PM	1331.176	1367.24	1267.938	3966.354	191.281	212.445	270.825
11/14/2023@06:10:00.000 PM	1302.025	1349.172	1232.948	3884.144	160.084	197.032	254.76
11/14/2023@06:20:00.000 PM	1296.914	1366.924	1219.009	3882.847	160.522	221.515	279.767
11/14/2023@06:30:00.000 PM	1305.082	1347.617	1240.025	3892.724	200.538	228.797	287.379
11/14/2023@06:40:00.000 PM	1342.026	1381.264	1279.302	4002.592	229.836	249.785	308.289
11/14/2023@06:50:00.000 PM	1381.991	1417.136	1320.361	4119.488	248.927	262.922	323.554
11/14/2023@07:00:00.000 PM	1334.251	1370.981	1270.493	3975.724	223.395	245.34	302.683
11/14/2023@07:10:00.000 PM	1295.634	1334.05	1235.762	3865.446	192.78	216.874	275.706

11/14/2023@07:20:00.000 PM	1308.352	1353.676	1234.931	3896.959	180.453	222.824	275.141
11/14/2023@07:30:00.000 PM	1323.922	1383.079	1258.421	3965.422	185.482	226.169	290.214
11/14/2023@07:40:00.000 PM	1408.967	1437.48	1336.99	4183.438	238.71	260.556	311.6
11/14/2023@07:50:00.000 PM	1386.337	1431.837	1320.494	4138.668	219.535	247.958	309.878
11/14/2023@08:00:00.000 PM	1327.377	1362.417	1262.641	3952.435	207.491	232.37	288.101
11/14/2023@08:10:00.000 PM	1314.177	1392.694	1269.315	3976.187	190.439	227.185	312.916
11/14/2023@08:20:00.000 PM	1399.903	1462.774	1334.435	4197.111	207.408	247.641	316.207
11/14/2023@08:30:00.000 PM	1376.888	1434.971	1316.312	4128.171	209.438	242.995	312.449
11/14/2023@08:40:00.000 PM	1378.149	1434.153	1328.963	4141.266	227.431	246.52	325.351
11/14/2023@08:50:00.000 PM	1313.969	1357.358	1254.831	3926.158	203.497	230.098	292.255
11/14/2023@09:00:00.000 PM	1324.258	1376.17	1256.825	3957.253	204.873	244.559	304.535
11/14/2023@09:10:00.000 PM	1350.057	1402.921	1300.138	4053.116	230.86	251.627	325.439
11/14/2023@09:20:00.000 PM	1320.141	1377.714	1264.769	3962.624	213.532	245.233	315.211
11/14/2023@09:30:00.000 PM	1353.18	1411.011	1305.955	4070.147	225.923	246.619	324.534
11/14/2023@09:40:00.000 PM	1349.123	1417.183	1297.265	4063.572	226.953	259.472	337.383
11/14/2023@09:50:00.000 PM	1376.812	1420.553	1321.424	4118.789	242.997	259.821	328.005

11/14/2023@10:00:00.000 PM	1328.289	1371.894	1268.256	3968.438	205.091	230.986	291.788
11/14/2023@10:10:00.000 PM	1315.394	1359.54	1258.384	3933.318	200.674	225.36	288.14
11/14/2023@10:20:00.000 PM	1295.41	1337.526	1221.527	3854.462	185.686	226.876	276.444
11/14/2023@10:30:00.000 PM	1351.121	1392.437	1286.348	4029.905	231.961	258.136	317.349
11/14/2023@10:40:00.000 PM	1361.721	1406.734	1293.239	4061.694	226.994	259.672	316.173
11/14/2023@10:50:00.000 PM	1393.301	1436.294	1333.971	4163.566	235.35	254.82	319.55
11/14/2023@11:00:00.000 PM	1345.193	1406.035	1299.842	4051.07	219.338	239.301	320.278
11/14/2023@11:10:00.000 PM	1330.094	1421.166	1283.334	4034.594	231.173	274.146	365.619
11/14/2023@11:20:00.000 PM	1351.453	1408.622	1302.778	4062.852	268.273	285.123	363.581
11/14/2023@11:30:00.000 PM	1374.265	1430.319	1322.886	4127.47	282.044	299.356	376.164
11/14/2023@11:40:00.000 PM	1423.564	1487.131	1372.474	4283.169	287.464	305.773	387.717
11/14/2023@11:50:00.000 PM	1430.122	1521.031	1370.02	4321.173	251.711	300.054	383.917
11/15/2023@12:00:00.000 AM	1402.937	1472.557	1348.132	4223.626	261.376	289.297	369.136
11/15/2023@12:10:00.000 AM	1361.447	1419.385	1297.89	4078.722	258.963	289.446	358.072
11/15/2023@12:20:00.000 AM	1347.515	1409.077	1282.904	4039.495	234.633	272.015	339.448
11/15/2023@12:30:00.000 AM	1342.687	1393.632	1277.871	4014.19	264.337	292.75	355.837

11/15/2023@12:40:00.000 AM	1416.492	1468.62	1367.725	4252.837	309.956	315.409	393.795
11/15/2023@12:50:00.000 AM	1433.192	1488.315	1384.066	4305.573	302.562	310.966	391.342
11/15/2023@01:00:00.000 AM	1424.776	1472.878	1368.827	4266.481	310.109	318.624	391.137
11/15/2023@01:10:00.000 AM	1384.044	1436.712	1316.951	4137.708	286.276	312.342	376.868
11/15/2023@01:20:00.000 AM	1374.494	1420.742	1303.059	4098.295	302.717	330.126	386.969
11/15/2023@01:30:00.000 AM	1364.679	1416.045	1308.395	4089.12	293.888	311.829	384.889
11/15/2023@01:40:00.000 AM	1436.552	1477.855	1374.641	4289.049	332.826	343.496	410.534
11/15/2023@01:50:00.000 AM	1464.305	1525.212	1401.831	4391.348	331.974	354.566	427.36
11/15/2023@02:00:00.000 AM	1400.232	1459.576	1341.175	4200.983	287.292	309.811	384.965
11/15/2023@02:10:00.000 AM	1379.218	1426.209	1318.801	4124.229	296.382	313.169	380.937
11/15/2023@02:20:00.000 AM	1332.586	1380.977	1271.084	3984.647	249.094	274.691	339.742
11/15/2023@02:30:00.000 AM	1363.766	1415.866	1297.927	4077.56	278.614	306.559	371.571
11/15/2023@02:40:00.000 AM	1367.129	1414.646	1300.547	4082.321	288.052	313.24	374.616
11/15/2023@02:50:00.000 AM	1378.612	1426.624	1299.597	4104.833	277.321	314.933	367.577
11/15/2023@03:00:00.000 AM	1365.844	1423.105	1304.312	4093.261	296.062	322.973	392.29
11/15/2023@03:10:00.000 AM	1331.285	1398.452	1262.952	3992.689	274.258	316.22	382.235

11/15/2023@03:20:00.000 AM	1350.06	1431.555	1297.685	4079.3	294.552	329.137	411.966
11/15/2023@03:30:00.000 AM	1370.514	1418.709	1300.436	4089.659	322.147	349.265	408.518
11/15/2023@03:40:00.000 AM	1364.339	1427.662	1294.55	4086.551	313.377	351.776	417.282
11/15/2023@03:50:00.000 AM	1423.56	1482.176	1359.513	4265.249	356.303	379.293	450.502
11/15/2023@04:00:00.000 AM	1441.06	1478.247	1370.496	4289.802	365.208	380.039	437.723
11/15/2023@04:10:00.000 AM	1429.871	1477.567	1360.876	4268.314	355.581	376.107	437.615
11/15/2023@04:20:00.000 AM	1390.113	1437.116	1326.686	4153.915	352.184	368.376	432.592
11/15/2023@04:30:00.000 AM	1336.477	1381.429	1270.403	3988.308	312.325	335.029	394.152
11/15/2023@04:40:00.000 AM	1363.751	1409.778	1284.474	4058.003	335.713	370.032	422.061
11/15/2023@04:50:00.000 AM	1413.25	1429.896	1329.922	4173.068	375.852	389.804	429.772
11/15/2023@05:00:00.000 AM	1438.067	1479.111	1366.15	4283.328	372.092	389.224	447.529
11/15/2023@05:10:00.000 AM	1413.432	1468.616	1346.421	4228.47	338.992	363.357	430.394
11/15/2023@05:20:00.000 AM	1369.537	1410.615	1293.517	4073.67	334.166	362.351	414.254
11/15/2023@05:30:00.000 AM	1370.325	1412.818	1302.042	4085.184	353.471	373.564	432.499
11/15/2023@05:40:00.000 AM	1378.914	1432.455	1311.02	4122.389	369.565	394.788	458.079
11/15/2023@05:50:00.000 AM	1396.997	1448.311	1319.647	4164.955	358.451	391.734	448.328

11/15/2023@06:00:00.000 AM	1423.352	1483.298	1350.76	4257.41	366.26	397.835	462.225
11/15/2023@06:10:00.000 AM	1458.411	1516.846	1399.605	4374.862	383.019	396.329	473.68
11/15/2023@06:20:00.000 AM	1436.115	1515.684	1367.833	4319.632	363.425	403.588	479.392
11/15/2023@06:30:00.000 AM	1383.802	1472.949	1309.796	4166.546	325.974	383.879	456.013
11/15/2023@06:40:00.000 AM	1379.026	1444.666	1307.716	4131.408	334.136	373.056	438.216
11/15/2023@06:50:00.000 AM	1366.177	1432.894	1291.184	4090.254	335.09	379.104	441.769
11/15/2023@07:00:00.000 AM	1357.194	1408.532	1287.15	4052.876	348.44	377.714	436.465
11/15/2023@07:10:00.000 AM	1391.395	1460.141	1331.517	4183.054	334.328	364.462	440.371
11/15/2023@07:20:00.000 AM	1405.74	1464.858	1338.589	4209.187	353.889	380.414	448.605
11/15/2023@07:30:00.000 AM	1432.276	1487.108	1374.742	4294.126	354.501	369.385	443.631
11/15/2023@07:40:00.000 AM	1389.087	1467.297	1331.989	4188.373	321.6	354.89	435.765
11/15/2023@07:50:00.000 AM	1375.161	1433.297	1303.226	4111.684	306.87	343.599	405.62
11/15/2023@08:00:00.000 AM	1342.806	1395.828	1268.873	4007.508	282.458	322.388	379.376
11/15/2023@08:10:00.000 AM	1346.367	1391.484	1281.616	4019.468	269.725	295.011	355.823
11/15/2023@08:20:00.000 AM	1303.249	1346.646	1245.849	3895.745	263.362	282.271	345.093
11/15/2023@08:30:00.000 AM	1339.09	1377.829	1282.699	3999.618	265.366	278.698	341.278

11/15/2023@08:40:00.000 AM	1264.949	1305.985	1195.677	3766.611	248.252	280.099	328.398
11/15/2023@08:50:00.000 AM	1249.677	1300.965	1187.982	3738.624	239.388	272.232	328.352
11/15/2023@09:00:00.000 AM	1246.037	1291.336	1188.231	3725.603	255.074	280.495	336.597
11/15/2023@09:10:00.000 AM	1275.903	1337.28	1219.576	3832.759	242.899	273.721	341.158
11/15/2023@09:20:00.000 AM	1257.91	1331.274	1196.64	3785.824	230.162	275.415	341.73
11/15/2023@09:30:00.000 AM	1255.484	1301.63	1191.717	3748.83	222.08	251.835	305.321
11/15/2023@09:40:00.000 AM	1264.358	1307.337	1196.466	3768.161	232.745	264.403	314.642
11/15/2023@09:50:00.000 AM	1236.436	1281.864	1168.762	3687.063	211.215	247.189	298.487
11/15/2023@10:00:00.000 AM	1263.283	1303.553	1204.357	3771.193	231.631	250.973	308.099
11/15/2023@10:10:00.000 AM	1239.505	1369.778	1163.481	3772.765	143.016	244.895	315.895
11/15/2023@10:20:00.000 AM	1258.15	1325.436	1193.494	3777.08	181.204	229.07	285.02
11/15/2023@10:30:00.000 AM	1264.331	1329.933	1215.067	3809.332	197.047	226.591	289.653
11/15/2023@10:40:00.000 AM	1273.098	1343.674	1215.342	3832.115	201.111	240.435	301.187
11/15/2023@10:50:00.000 AM	1284.109	1333.363	1234.53	3852.003	208.106	223.115	282.97
11/15/2023@11:00:00.000 AM	1268.143	1332.224	1214.607	3814.974	191.127	223.93	283.545
11/15/2023@11:10:00.000 AM	1300.155	1361.741	1239.758	3901.654	203.651	240.225	296.445

11/15/2023@11:20:00.000 AM	1319.532	1371.477	1258.747	3949.756	224.337	251.899	306.954
11/15/2023@11:30:00.000 AM	1303.819	1380.55	1230.633	3915.002	188.108	247.4	301.625
11/15/2023@11:40:00.000 AM	1338.371	1407.587	1278.306	4024.264	205.782	244.121	305.629
11/15/2023@11:50:00.000 AM	1333.977	1393.908	1269.668	3997.553	207.057	243.451	297.79
11/15/2023@12:00:00.000 PM	1373.969	1429.329	1323.794	4127.092	255.622	267.492	333.392
11/15/2023@12:10:00.000 PM	1396.995	1456.319	1340.545	4193.859	242.772	264.268	329.206
11/15/2023@12:20:00.000 PM	1348.542	1418.868	1285.301	4052.71	217.579	255.978	319.376
11/15/2023@12:30:00.000 PM	1373.489	1450.498	1307.502	4131.488	233.451	277.307	342.384
11/15/2023@12:40:00.000 PM	1371.311	1423.695	1310.604	4105.61	241.717	263.402	322.32
11/15/2023@12:50:00.000 PM	1347.488	1415.016	1288.836	4051.34	215.149	248.788	312.225
11/15/2023@01:00:00.000 PM	1348.523	1399.129	1286.739	4034.39	230.403	254.176	308.345
11/15/2023@01:10:00.000 PM	1301.629	1364.544	1243.762	3909.936	212.837	243.542	304.645
11/15/2023@01:20:00.000 PM	1314.585	1364.492	1260.949	3940.025	217.77	235.187	294.274
11/15/2023@01:30:00.000 PM	1378.492	1423.544	1311.089	4113.125	228.793	253.272	305.744
11/15/2023@01:40:00.000 PM	1381.262	1428.199	1322.973	4132.435	227.16	244.483	303.99
11/15/2023@01:50:00.000 PM	1385.688	1422.743	1327.571	4136.001	240.436	248.786	305.912

11/15/2023@02:00:00.000 PM	1391.877	1426.933	1332.278	4151.088	239.618	246.834	303.002
11/15/2023@02:10:00.000 PM	1351.411	1392.498	1287.661	4031.57	222.976	243.078	294.022
11/15/2023@02:20:00.000 PM	1342.293	1382.441	1274.972	3999.707	220.565	243.06	290.876
11/15/2023@02:30:00.000 PM	1370.086	1442.06	1300.748	4112.894	210.692	252.033	313.537
11/15/2023@02:40:00.000 PM	1378.089	1414.799	1322.175	4115.063	223.546	227.318	286.53
11/15/2023@02:50:00.000 PM	1352.813	1377.449	1289.708	4019.97	205.664	212.581	259.219
11/15/2023@03:00:00.000 PM	1316.812	1350.807	1247.258	3914.877	188.926	209.567	255.026
11/15/2023@03:10:00.000 PM	1307.896	1337.177	1244.135	3889.208	203.801	217.224	263.212
11/15/2023@03:20:00.000 PM	1345.023	1390.316	1280.802	4016.141	220.951	241.645	296.103
11/15/2023@03:30:00.000 PM	1366.815	1408.589	1305.197	4080.601	239.64	254.749	310.789
11/15/2023@03:40:00.000 PM	1393.282	1439.054	1330.582	4162.918	241.576	258.769	315.814
11/15/2023@03:50:00.000 PM	1325.514	1366.387	1253.254	3945.156	219.035	250.6	294.517
11/15/2023@04:00:00.000 PM	1326.991	1364.996	1256.436	3948.423	205.006	233.15	277.975
11/15/2023@04:10:00.000 PM	1356.291	1394.313	1290.685	4041.288	231.309	251.192	301.569
11/15/2023@04:20:00.000 PM	1358.801	1394.841	1296.541	4050.183	247.403	261.916	312.081
11/15/2023@04:30:00.000 PM	1341.297	1402.981	1277.272	4021.55	212.698	248.688	307.925

11/15/2023@04:40:00.000 PM	1358.055	1393.953	1291.731	4043.739	237.653	256.86	306.807
11/15/2023@04:50:00.000 PM	1384.611	1428.933	1325.336	4138.879	251.902	268.735	326.308
11/15/2023@05:00:00.000 PM	1321.854	1405.824	1258.59	3986.269	215.567	267.906	334.314
11/15/2023@05:10:00.000 PM	1363.416	1406.562	1299.252	4069.23	228.499	251.001	302.362
11/15/2023@05:20:00.000 PM	1368.733	1418.219	1311.583	4098.535	217.98	236.744	298.762
11/15/2023@05:30:00.000 PM	1331.137	1380.516	1265.853	3977.506	184.839	217.578	270.039
11/15/2023@05:40:00.000 PM	947.518	982.592	891.391	2821.501	46.494	88.192	121.306
11/15/2023@05:50:00.000 PM	1279.544	1328.628	1213.906	3822.078	184.233	219.586	270.092
11/15/2023@06:00:00.000 PM	1290.744	1349.394	1227.797	3867.935	183.101	220.763	278.597
11/15/2023@06:10:00.000 PM	1192.415	1247.233	1132.586	3572.234	150.81	192.469	242.858
11/15/2023@06:20:00.000 PM	1224.51	1291.134	1166.889	3682.532	153.24	198.43	256.87
11/15/2023@06:30:00.000 PM	1250.603	1316.514	1188.395	3755.511	166.317	211.676	269.015
11/15/2023@06:40:00.000 PM	1274.59	1323.738	1220.846	3819.175	182.738	206.626	263.47
11/15/2023@06:50:00.000 PM	1361.843	1427.257	1313.672	4102.771	238.466	262.18	333.848
11/15/2023@07:00:00.000 PM	1317.408	1385.828	1260.479	3963.715	209.967	250.122	318.839
11/15/2023@07:10:00.000 PM	1350.53	1413.906	1294.941	4059.377	222.376	258.71	323.023

11/15/2023@07:20:00.000 PM	1303.195	1377.524	1255.376	3936.095	205.904	243.073	320.269
11/15/2023@07:30:00.000 PM	1353.108	1423.09	1305.945	4082.143	211.352	242.391	320.435
11/15/2023@07:40:00.000 PM	1285.35	1346.327	1239.434	3871.111	190.349	218.848	289.238
11/15/2023@07:50:00.000 PM	1251.166	1294.342	1205.944	3751.452	162.866	180.884	253.268
11/15/2023@08:00:00.000 PM	1222.795	1256.733	1166.666	3646.193	149.647	174.865	234.353
11/15/2023@08:10:00.000 PM	1320.64	1373.517	1269.406	3963.563	209.39	233.834	308.33
11/15/2023@08:20:00.000 PM	1297.238	1390.78	1216.624	3904.642	153.985	239.153	308.313
11/15/2023@08:30:00.000 PM	1318.047	1368.382	1259.343	3945.771	188.82	220.152	290.175
11/15/2023@08:40:00.000 PM	1378.92	1419.005	1327.284	4125.209	244.937	258.423	330.334
11/15/2023@08:50:00.000 PM	1355.125	1401.163	1312.109	4068.397	229.403	239.054	318.605
11/15/2023@09:00:00.000 PM	1322.604	1407.951	1271.506	4002.06	215.585	260.754	349.196
11/15/2023@09:10:00.000 PM	1318.865	1382.705	1266.119	3967.69	226.504	259.454	337.966
11/15/2023@09:20:00.000 PM	1313.82	1364.12	1258.328	3936.268	215.256	240.935	312.126
11/15/2023@09:30:00.000 PM	1324.896	1407.698	1291.385	4023.98	207.852	234.804	334.648
11/15/2023@09:40:00.000 PM	1352.963	1408.572	1308.792	4070.325	217.273	234.521	318.253
11/15/2023@09:50:00.000 PM	1326.619	1385.578	1278.197	3990.394	228.415	252.973	333.736

11/15/2023@10:00:00.000 PM	1305.937	1358.703	1254.882	3919.521	227.753	251.775	327.264
11/15/2023@10:10:00.000 PM	1304.793	1355.989	1247.186	3907.968	214.196	245.777	315.38
11/15/2023@10:20:00.000 PM	1303.284	1349.239	1242.545	3895.069	209.101	239.27	303.133
11/15/2023@10:30:00.000 PM	1368.356	1411.319	1310.586	4090.262	235.617	255.803	324.08
11/15/2023@10:40:00.000 PM	1380.031	1428.107	1320.75	4128.887	233.653	257.848	327.805
11/15/2023@10:50:00.000 PM	1327.336	1396.42	1254.572	3978.328	201.396	256.676	321.844
11/15/2023@11:00:00.000 PM	1304.438	1351.361	1251.072	3906.872	221.689	242.574	312.931
11/15/2023@11:10:00.000 PM	1298.556	1342.503	1238.539	3879.598	213.174	241.467	305.299
11/15/2023@11:20:00.000 PM	1327.896	1371.12	1266.464	3965.481	207.793	235.063	297.855
11/15/2023@11:30:00.000 PM	1365.629	1405.276	1311.012	4081.917	241.259	253.873	322.523
11/15/2023@11:40:00.000 PM	1333.792	1382.35	1281.06	3997.202	232.441	251.881	325.474
11/15/2023@11:50:00.000 PM	1279.526	1333.454	1228.243	3841.223	210.675	236.911	310.8
11/16/2023@12:00:00.000 AM	1282.376	1338.141	1217.521	3838.038	226.99	267.591	335.531
11/16/2023@12:10:00.000 AM	1338.515	1383.805	1271.077	3993.398	257.007	290.31	355.18
11/16/2023@12:20:00.000 AM	1394.091	1436.816	1332.693	4163.6	282.287	302.845	373.84
11/16/2023@12:30:00.000 AM	1372.871	1423.828	1311.485	4108.184	262.335	289.221	362.568

11/16/2023@12:40:00.000 AM	1301.005	1348.973	1230.563	3880.541	239.757	279.149	341.437
11/16/2023@12:50:00.000 AM	1251.307	1299.303	1211.661	3762.271	221.797	233.353	314.972
11/16/2023@01:00:00.000 AM	1271.032	1311.074	1195.936	3778.042	214.913	258.289	311.469
11/16/2023@01:10:00.000 AM	1336.143	1376.607	1261.392	3974.142	264.284	299.342	356.253
11/16/2023@01:20:00.000 AM	1403.621	1449.401	1328.995	4182.018	282.691	316.503	379.317
11/16/2023@01:30:00.000 AM	1364.195	1404.131	1291.993	4060.319	270.22	299.593	360.095
11/16/2023@01:40:00.000 AM	1306.11	1344.671	1230.285	3881.066	237.729	276.358	329.844
11/16/2023@01:50:00.000 AM	1300.942	1332.626	1222.734	3856.303	244.332	280.946	330.062
11/16/2023@02:00:00.000 AM	1310.149	1344.027	1232.365	3886.541	269.362	304.85	353.788
11/16/2023@02:10:00.000 AM	1335.022	1377.878	1259.548	3972.448	253.655	291.342	348.144
11/16/2023@02:20:00.000 AM	1355.38	1390.368	1287.977	4033.724	260.796	282.424	344.582
11/16/2023@02:30:00.000 AM	1302.157	1369.336	1227.953	3899.446	219.056	272.801	340.527
11/16/2023@02:40:00.000 AM	1295.529	1333.108	1213.998	3842.635	227.784	268.999	319.048
11/16/2023@02:50:00.000 AM	1299.78	1336.259	1225.708	3861.746	260.295	293.05	346.935
11/16/2023@03:00:00.000 AM	1374.205	1395.234	1305.703	4075.141	290.884	302.855	356.233
11/16/2023@03:10:00.000 AM	1395.023	1421.357	1318.511	4134.891	327.955	348.157	398.305

11/16/2023@03:20:00.000 AM	1365.762	1394.452	1289.785	4050	322.269	345.08	395.949
11/16/2023@03:30:00.000 AM	1340.828	1366.538	1266.972	3974.338	317.108	337.431	388.071
11/16/2023@03:40:00.000 AM	1319.77	1349.771	1242.038	3911.578	285.29	316.298	363.576
11/16/2023@03:50:00.000 AM	1315.094	1371.656	1291.341	3978.092	297.574	291.647	390.428
11/16/2023@04:00:00.000 AM	1354.202	1397.829	1281.017	4033.048	280.972	314.444	374.354
11/16/2023@04:10:00.000 AM	1348.835	1358.628	1266.668	3974.13	302.94	322.282	359.677
11/16/2023@04:20:00.000 AM	1363.651	1389.339	1288.726	4041.716	327.331	347.928	397.708
11/16/2023@04:30:00.000 AM	1341.516	1365.957	1262.268	3969.741	295.443	322.715	366.777
11/16/2023@04:40:00.000 AM	1353.738	1373.868	1276.857	4004.462	322.671	342.201	387.803
11/16/2023@04:50:00.000 AM	1360.927	1403.157	1286.915	4050.999	282.434	314.724	372.207
11/16/2023@05:00:00.000 AM	1364.184	1411.713	1307.575	4083.473	287.263	305.988	377.999
11/16/2023@05:10:00.000 AM	1362.757	1383.969	1290.635	4037.361	275.685	293.075	345.194
11/16/2023@05:20:00.000 AM	1314.986	1337.094	1240.675	3892.755	270.641	293.881	340.611
11/16/2023@05:30:00.000 AM	1334.609	1396.288	1245.107	3976.003	274.602	339.717	390.802
11/16/2023@05:40:00.000 AM	1361.014	1395.359	1280.069	4036.442	311.471	345.885	393.928
11/16/2023@05:50:00.000 AM	1361.58	1433.357	1301.021	4095.958	286.974	324.753	406.148

11/16/2023@06:00:00.000 AM	1395.225	1435.17	1315.801	4146.196	301.271	335.046	389.541
11/16/2023@06:10:00.000 AM	1359.251	1384.35	1287.483	4031.085	294.67	314.873	368.009
11/16/2023@06:20:00.000 AM	1331.157	1359.472	1258.865	3949.493	293.899	318.397	371.667
11/16/2023@06:30:00.000 AM	1352.229	1376.395	1280.56	4009.184	314.934	333.135	385.132
11/16/2023@06:40:00.000 AM	1392.688	1433.389	1315.786	4141.863	301.81	333.921	391.837
11/16/2023@06:50:00.000 AM	1401.528	1426.719	1317.525	4145.772	312.11	340.571	386.448
11/16/2023@07:00:00.000 AM	1351.672	1382.493	1277.005	4011.17	289.196	315.626	370.28
11/16/2023@07:10:00.000 AM	1343.236	1363.154	1263.628	3970.018	271.126	297.912	343.25
11/16/2023@07:20:00.000 AM	1361.604	1383.538	1279.288	4024.43	293.027	322.658	367.668
11/16/2023@07:30:00.000 AM	1388.762	1411.521	1309.936	4110.219	295.566	319.983	369.938
11/16/2023@07:40:00.000 AM	1393.162	1422.589	1307.119	4122.87	275.956	312.568	360.501
11/16/2023@07:50:00.000 AM	1381.587	1413.776	1297.096	4092.46	290.514	326.784	375.053
11/16/2023@08:00:00.000 AM	1384.44	1416.394	1302.637	4103.471	267.439	303.326	355.937
11/16/2023@08:10:00.000 AM	1379.176	1416.501	1295.121	4090.798	271.799	313.007	366.581
11/16/2023@08:20:00.000 AM	1418.904	1451.913	1343.523	4214.339	272.166	301.032	361.449
11/16/2023@08:30:00.000 AM	1441.262	1472.413	1372.163	4285.838	313.777	332.135	397.522

11/16/2023@08:40:00.000 AM	1393.212	1433.536	1323.502	4150.25	265.336	295.116	360.892
11/16/2023@08:50:00.000 AM	1392.553	1423.979	1312.781	4129.314	283.917	316.24	371.106
11/16/2023@09:00:00.000 AM	1375.823	1415.593	1297.651	4089.067	247.697	289.369	347.339
11/16/2023@09:10:00.000 AM	1401.902	1451.757	1329.053	4182.712	250.309	288.118	350.659
11/16/2023@09:20:00.000 AM	1349.946	1393.642	1277.112	4020.7	213.379	250.447	309.342
11/16/2023@09:30:00.000 AM	1368.311	1404.464	1298.124	4070.898	248.497	274.418	332.786
11/16/2023@09:40:00.000 AM	1336.372	1371.055	1270.252	3977.679	226.131	249.207	311.565
11/16/2023@09:50:00.000 AM	1293.321	1329.957	1218.41	3841.688	186.365	224.373	277.949
11/16/2023@10:00:00.000 AM	1303.75	1351.413	1237.159	3892.323	177.344	218.298	273.278
11/16/2023@10:10:00.000 AM	1328.812	1402.448	1264.588	3995.847	153.585	205.04	271.286
11/16/2023@10:20:00.000 AM	1336.801	1403.648	1279.172	4019.62	179.889	219.242	280.474
11/16/2023@10:30:00.000 AM	1334.791	1383.535	1275.598	3993.924	223.202	247.748	304.543
11/16/2023@10:40:00.000 AM	1310.727	1378.005	1245.644	3934.376	191.71	238.337	297.985
11/16/2023@10:50:00.000 AM	1277.725	1334.108	1235.446	3847.278	190.33	209.768	279.163
11/16/2023@11:00:00.000 AM	1344.189	1394.295	1287.846	4026.33	209.223	232.36	292.793
11/16/2023@11:10:00.000 AM	1356.826	1413.676	1296.49	4066.992	206.149	237.679	296.45

11/16/2023@11:20:00.000 AM	1322.211	1405.97	1255.932	3984.113	180.628	239.716	301.295
11/16/2023@11:30:00.000 AM	1335.509	1409.755	1270.833	4016.098	203.088	249.945	313.61
11/16/2023@11:40:00.000 AM	1287.307	1335.833	1240.31	3863.449	207.182	222.334	286.784
11/16/2023@11:50:00.000 AM	1295.798	1342.75	1240.262	3878.809	185.614	210.854	267.141
11/16/2023@12:00:00.000 PM	1306.817	1383.601	1260.428	3950.845	175.881	210.575	285.108
11/16/2023@12:10:00.000 PM	1280.628	1331.965	1226.212	3838.804	163.45	191.85	249.576
11/16/2023@12:20:00.000 PM	1307.777	1358.012	1261.317	3927.105	196.405	211.537	277.328
11/16/2023@12:30:00.000 PM	1309.033	1370.913	1252.011	3931.956	199.13	230.206	294.717
11/16/2023@12:40:00.000 PM	1289.954	1371.074	1223.685	3884.713	169.926	225.884	288.919
11/16/2023@12:50:00.000 PM	1280.705	1372.482	1221.645	3874.832	161.986	216.953	291.388
11/16/2023@01:00:00.000 PM	1333.219	1428.587	1291.483	4053.29	194.773	230.407	317.463
11/16/2023@01:10:00.000 PM	1327.851	1462.966	1296.788	4087.605	183.061	238.8	344.346
11/16/2023@01:20:00.000 PM	1348.021	1402.516	1292.422	4042.959	228.296	248.114	312.566
11/16/2023@01:30:00.000 PM	1298.327	1354.913	1236.604	3889.844	216.372	244.801	303.352
11/16/2023@01:40:00.000 PM	1272.497	1314.15	1217.015	3803.663	182.992	200.817	255.406
11/16/2023@01:50:00.000 PM	1308.09	1342.439	1256.961	3907.49	176.824	182.158	239.05

11/16/2023@02:00:00.000 PM	1327.624	1367.827	1280.891	3976.342	174.887	179.107	241.877
11/16/2023@02:10:00.000 PM	1281.23	1310.81	1221.49	3813.531	155.816	170.312	216.567
11/16/2023@02:20:00.000 PM	1284.437	1334.424	1225.578	3844.439	208.829	231.851	288.059
11/16/2023@02:30:00.000 PM	1343.652	1379.422	1287.743	4010.817	225.615	233.009	286.41
11/16/2023@02:40:00.000 PM	1358.575	1401.913	1295.521	4056.009	224.999	243.975	296.402
11/16/2023@02:50:00.000 PM	1404.567	1444.229	1338.625	4187.421	248.545	261.535	312.904
11/16/2023@03:00:00.000 PM	1341.843	1390.113	1281.277	4013.232	205.106	223.928	280.965
11/16/2023@03:10:00.000 PM	1358.208	1419.114	1295.626	4072.949	219.164	243.666	304.169
11/16/2023@03:20:00.000 PM	1320.263	1364.92	1250.83	3936.013	219.472	242.526	291.325
11/16/2023@03:30:00.000 PM	1374.943	1415.415	1310.974	4101.333	243.77	255.151	309.076
11/16/2023@03:40:00.000 PM	1367.402	1400.958	1302.844	4071.204	244.375	252.083	302.121
11/16/2023@03:50:00.000 PM	1339.547	1380.249	1275.662	3995.459	229.888	244.4	296.649
11/16/2023@04:00:00.000 PM	1354.36	1388.334	1284.591	4027.285	235.951	250.744	296.874
11/16/2023@04:10:00.000 PM	1408.668	1446.733	1347.906	4203.308	259.838	261.94	320.54
11/16/2023@04:20:00.000 PM	1432.666	1466.96	1368.685	4268.311	271.661	272.465	327.921
11/16/2023@04:30:00.000 PM	1397.736	1435.543	1349.784	4183.063	281.21	271.455	335.844

11/16/2023@04:40:00.000 PM	1381.179	1416.459	1307.145	4104.784	260.009	277.686	321.51
11/16/2023@04:50:00.000 PM	1381.488	1421.847	1316.071	4119.406	263.951	273.708	325.802
11/16/2023@05:00:00.000 PM	1399.823	1451.723	1329.741	4181.286	250.931	274.089	328.342
11/16/2023@05:10:00.000 PM	1366.687	1438.955	1293.434	4099.076	232.761	273.586	333.897
11/16/2023@05:20:00.000 PM	1382.183	1423.793	1315.386	4121.362	258.774	272.268	325.003
11/16/2023@05:30:00.000 PM	1330.066	1378.811	1262.292	3971.169	225.047	251.217	301.054
11/16/2023@05:40:00.000 PM	1315.301	1357.641	1242.492	3915.434	211.013	240.503	285.393
11/16/2023@05:50:00.000 PM	1365.205	1412.402	1299.976	4077.582	221.921	245.614	299.442
11/16/2023@06:00:00.000 PM	1361.745	1407.443	1305.489	4074.677	226.801	241.074	300.526
11/16/2023@06:10:00.000 PM	1333.257	1382.74	1270.63	3986.627	215.714	239.976	297.493
11/16/2023@06:20:00.000 PM	1342.936	1404.333	1277.692	4024.96	213.513	251.128	313.882
11/16/2023@06:30:00.000 PM	1427.217	1512.36	1358.719	4298.297	402.723	452.699	520.316
11/16/2023@06:40:00.000 PM	1369.319	1417.738	1309.502	4096.559	237.05	260.38	321.637
11/16/2023@06:50:00.000 PM	1376.534	1412.273	1311.187	4099.994	246.017	265.115	326.888
11/16/2023@07:00:00.000 PM	1358.935	1388.4	1280.328	4027.664	242.355	270.876	320.472
11/16/2023@07:10:00.000 PM	1353.017	1413.412	1291.933	4058.361	235.646	268.589	342.625

11/16/2023@07:20:00.000 PM	1409.983	1459.832	1340.31	4210.125	251.454	281.531	346.68
11/16/2023@07:30:00.000 PM	1435.557	1477.787	1373.606	4286.951	281.975	298.547	367.192
11/16/2023@07:40:00.000 PM	1414.016	1465.483	1367.754	4247.253	249.847	258.152	345.154
11/16/2023@07:50:00.000 PM	1417.455	1463.121	1361.053	4241.629	231.505	248.915	325.046
11/16/2023@08:00:00.000 PM	729.373	777.525	757.35	2264.248	43.007	13.518	108.657
11/16/2023@08:10:00.000 PM	839.063	916.598	858.478	2614.138	345.901	326.553	429.477
11/16/2023@08:20:00.000 PM	726.168	800.742	738.164	2265.074	92.767	96.184	190.932
11/16/2023@08:30:00.000 PM	757.99	841.684	784.065	2383.738	194.605	185.246	295.061
11/16/2023@08:40:00.000 PM	999.065	1081.904	1014.885	3095.853	355.045	335.933	449.969
11/16/2023@08:50:00.000 PM	1113.791	1215.528	1131.441	3460.76	470.316	451.56	581.883
11/16/2023@09:00:00.000 PM	1164.976	1217.65	1111.58	3494.205	136.174	173.377	242.619
11/16/2023@09:10:00.000 PM	1251.205	1307.43	1213.993	3772.628	189.92	206.494	294.625
11/16/2023@09:20:00.000 PM	1297.125	1343.931	1245.628	3886.684	209.339	230.876	305.768
11/16/2023@09:30:00.000 PM	1199.855	1251.684	1148.297	3599.837	176.714	209.135	281.748
11/16/2023@09:40:00.000 PM	1311.357	1367.495	1253.148	3932	199.105	232.602	306.998
11/16/2023@09:50:00.000 PM	1330.152	1370.358	1276.403	3976.913	214.767	232.198	304.638

11/16/2023@10:00:00.000 PM	1347.644	1388.365	1298.98	4034.99	218.772	230.592	308.853
11/16/2023@10:10:00.000 PM	1303.133	1345.262	1250.738	3899.133	204.391	224.169	296.475
11/16/2023@10:20:00.000 PM	1282.037	1324.527	1221.442	3828.005	204.054	232.595	299.947
11/16/2023@10:30:00.000 PM	1374.957	1434.608	1315.945	4125.51	217.713	250.999	330.012
11/16/2023@10:40:00.000 PM	1398.405	1461.536	1342.017	4201.958	244.419	273.093	356.075
11/16/2023@10:50:00.000 PM	1421.827	1490.739	1360.942	4273.507	267.202	301.959	386.274
11/16/2023@11:00:00.000 PM	1386.149	1434.734	1327.436	4148.319	272.938	293.403	369.814
11/16/2023@11:10:00.000 PM	1384.55	1425.281	1323.022	4132.852	290.394	309.35	380.082
11/16/2023@11:20:00.000 PM	1420.202	1471.917	1363.723	4255.841	298.643	316.95	396.719
11/16/2023@11:30:00.000 PM	1438.473	1487.977	1379.717	4306.167	300.55	317.661	396.483
11/16/2023@11:40:00.000 PM	1419.854	1472.431	1367.803	4260.088	302.69	315.608	398.31
11/16/2023@11:50:00.000 PM	985.954	1029.998	942.776	2958.728	177.733	206.495	264.876
11/17/2023@12:00:00.000 AM	1330.493	1403.195	1275.932	4009.62	234.581	269.963	353.667
11/17/2023@12:10:00.000 AM	1378.851	1432.909	1322.531	4134.291	283.044	305.584	386.133
11/17/2023@12:20:00.000 AM	1373.42	1427.15	1299.003	4099.573	237.087	281.741	348.356
11/17/2023@12:30:00.000 AM	1340.493	1393.243	1277.732	4011.468	231.637	264.03	337.339

11/17/2023@12:40:00.000 AM	1348.942	1411.571	1275.465	4035.978	210.556	261.628	330.002
11/17/2023@12:50:00.000 AM	1312.009	1374.101	1247.383	3933.493	210.185	254.473	328.672
11/17/2023@01:00:00.000 AM	1348.39	1389.063	1276.773	4014.226	237.564	270.628	332.623
11/17/2023@01:10:00.000 AM	1387.875	1421.797	1310.576	4120.248	267.025	298.994	356.79
11/17/2023@01:20:00.000 AM	1378.563	1425.665	1307.265	4111.493	250.637	285.901	353.686
11/17/2023@01:30:00.000 AM	1400.161	1447.409	1336.562	4184.132	263.699	289.822	363.944
11/17/2023@01:40:00.000 AM	1442.484	1470.797	1370.21	4283.49	297.996	316.426	378.898
11/17/2023@01:50:00.000 AM	1411.777	1440.562	1341.122	4193.461	282.257	301.793	362.626
11/17/2023@02:00:00.000 AM	1395.073	1431.297	1316.198	4142.569	269.83	302.988	360.502
11/17/2023@02:10:00.000 AM	1398.396	1439.313	1328.348	4166.057	293.08	318.209	385.586
11/17/2023@02:20:00.000 AM	1313.438	1346.067	1245.496	3905	263.948	288.719	346.449
11/17/2023@02:30:00.000 AM	1314.054	1350.983	1242.378	3907.415	264.932	296.078	354.018
11/17/2023@02:40:00.000 AM	1346.819	1377.281	1277.891	4001.99	300.953	321.64	379.047
11/17/2023@02:50:00.000 AM	1353.72	1414.642	1273.627	4041.989	269.897	322.076	384.079
11/17/2023@03:00:00.000 AM	1317.253	1360.85	1243.826	3921.929	276.869	312.633	371.193
11/17/2023@03:10:00.000 AM	1338.261	1388.196	1272.492	3998.949	276.042	308.057	376.453

11/17/2023@03:20:00.000 AM	1355.545	1384.589	1285.236	4025.37	303.204	323.349	379.689
11/17/2023@03:30:00.000 AM	1333.711	1368.879	1270.741	3973.331	284.177	302.068	366.282
11/17/2023@03:40:00.000 AM	1377.271	1403.396	1304.213	4084.88	344.354	361.568	414.742
11/17/2023@03:50:00.000 AM	1399.854	1430.339	1340.507	4170.7	343.11	348.407	416.122
11/17/2023@04:00:00.000 AM	1386.071	1415.635	1322.052	4123.757	347.84	356.049	420.05
11/17/2023@04:10:00.000 AM	1431.843	1489.886	1353.595	4275.324	357.697	396.949	462.703
11/17/2023@04:20:00.000 AM	1410.765	1461.782	1333.515	4206.063	320.677	356.058	420.16
11/17/2023@04:30:00.000 AM	1424.312	1451.613	1342.088	4218.014	343.524	368.279	416.968
11/17/2023@04:40:00.000 AM	1452.253	1481.572	1371.258	4305.083	367.049	388.113	441.936
11/17/2023@04:50:00.000 AM	1370.152	1399.719	1296.021	4065.893	331.763	352.496	407.349
11/17/2023@05:00:00.000 AM	1370.497	1417.685	1286.353	4074.534	309.781	353.754	408.596
11/17/2023@05:10:00.000 AM	1366.307	1394.402	1299.785	4060.494	336.427	347.941	407.905
11/17/2023@05:20:00.000 AM	1405.864	1442.223	1331.927	4180.014	351.818	373.475	432.346
11/17/2023@05:30:00.000 AM	1365.959	1394.045	1291.169	4051.172	323.295	344.063	396.223
11/17/2023@05:40:00.000 AM	1324.097	1349.556	1241.448	3915.102	305.737	335.947	379.625
11/17/2023@05:50:00.000 AM	1311.082	1338.554	1232.267	3881.903	300.419	329.555	375.364

11/17/2023@06:00:00.000 AM	1319.153	1386.549	1257.542	3963.244	291.299	327.901	404.398
11/17/2023@06:10:00.000 AM	1335.34	1389.025	1269.067	3993.432	309.687	340.383	408.051
11/17/2023@06:20:00.000 AM	1397.129	1436.53	1336.5	4170.159	331.392	342.944	411.944
11/17/2023@06:30:00.000 AM	1304.089	1356.352	1239.209	3899.65	292.209	324.578	391.389
11/17/2023@06:40:00.000 AM	1309.015	1365.588	1245.652	3920.255	298.187	332.102	402.397
11/17/2023@06:50:00.000 AM	1348.137	1384.517	1289.991	4022.645	351.919	362.564	429.643
11/17/2023@07:00:00.000 AM	1388.827	1425.382	1326.007	4140.215	342.959	356.356	421.634
11/17/2023@07:10:00.000 AM	1427.455	1459.013	1360.36	4246.827	366.296	377.411	439.581
11/17/2023@07:20:00.000 AM	1380.549	1412.928	1308.5	4101.977	340.371	361.744	418.374
11/17/2023@07:30:00.000 AM	1415.913	1450.799	1356.498	4223.209	360.845	366.255	436.882
11/17/2023@07:40:00.000 AM	1406.98	1443.493	1324.786	4175.26	340.619	372.498	425.758
11/17/2023@07:50:00.000 AM	1443.88	1508.514	1357.985	4310.378	322.596	374.819	439.05
11/17/2023@08:00:00.000 AM	1512.639	1571.173	1444.211	4528.023	362.616	386.143	462.021
11/17/2023@08:10:00.000 AM	1452.774	1497.035	1386.537	4336.346	329.581	347.045	419.962
11/17/2023@08:20:00.000 AM	1434.377	1481.808	1350.317	4266.501	311.69	352.741	411.553
11/17/2023@08:30:00.000 AM	1460.056	1511.854	1384.813	4356.724	316.189	349.459	418.483

11/17/2023@08:40:00.000 AM	1493.967	1541.517	1427.876	4463.36	361.321	379.968	452.949
11/17/2023@08:50:00.000 AM	1455.441	1503.993	1383.297	4342.731	340.166	368.26	438.516
11/17/2023@09:00:00.000 AM	1400.179	1446.193	1336.547	4182.918	295.618	318.38	391.219
11/17/2023@09:10:00.000 AM	1368.667	1433.438	1302.021	4104.126	262.462	303.812	379.633
11/17/2023@09:20:00.000 AM	1321.413	1364.35	1258.337	3944.1	256.425	281.962	349.918
11/17/2023@09:30:00.000 AM	1351.439	1395.673	1286.31	4033.423	256.901	283.977	352.682
11/17/2023@09:40:00.000 AM	1368.977	1443.626	1307.758	4120.361	230.43	273.616	357.231
11/17/2023@09:50:00.000 AM	1361.045	1406.223	1293.577	4060.845	248.258	276.883	346.26
11/17/2023@10:00:00.000 AM	1359.454	1390.449	1277.578	4027.482	270.735	302.005	350.918
11/17/2023@10:10:00.000 AM	1357.377	1442.984	1293.18	4093.541	231.031	288.088	356.435
11/17/2023@10:20:00.000 AM	1409.848	1478.726	1355.625	4244.2	258.409	289.745	360.803
11/17/2023@10:30:00.000 AM	1365.414	1428.675	1309.635	4103.724	223.306	249.217	315.412
11/17/2023@10:40:00.000 AM	1356.53	1455.942	1301.847	4114.319	217.784	266.87	347.257
11/17/2023@10:50:00.000 AM	1384.759	1462.143	1337.677	4184.58	229.886	255.27	333.495
11/17/2023@11:00:00.000 AM	1398.561	1450.677	1340.765	4190.003	270.163	283.571	347.122
11/17/2023@11:10:00.000 AM	1397.371	1461.143	1335.95	4194.463	246.648	275.457	341.235

11/17/2023@11:20:00.000 AM	1389.195	1456.03	1329.744	4174.97	238.21	271.502	336.258
11/17/2023@11:30:00.000 AM	1428.324	1504.737	1371.419	4304.479	269.586	304.264	372.089
11/17/2023@11:40:00.000 AM	1419.565	1473.151	1367.425	4260.141	270.406	282.987	351.514
11/17/2023@11:50:00.000 AM	1064.297	1137.17	1016.725	3218.192	251.22	294.747	350.713
11/17/2023@12:00:00.000 PM	1408.66	1475.79	1355.035	4239.486	269.118	294.787	361.452
11/17/2023@12:10:00.000 PM	1419.406	1477.084	1363.124	4259.614	276.846	297.663	359.742
11/17/2023@12:20:00.000 PM	1439.589	1503.31	1385.625	4328.524	276.122	296.721	362.602
11/17/2023@12:30:00.000 PM	1420.887	1495.339	1362.914	4279.14	251.767	286.274	355.26
11/17/2023@12:40:00.000 PM	1406.243	1466.528	1350.828	4223.6	262.261	281.537	350.377
11/17/2023@12:50:00.000 PM	1380.355	1430.775	1322.22	4133.351	235.698	257.542	315.74
11/17/2023@01:00:00.000 PM	1351.155	1398.69	1297.999	4047.844	245.319	259.395	321.083
11/17/2023@01:10:00.000 PM	1293.25	1364.724	1244.281	3902.255	209.18	240.23	310.283
11/17/2023@01:20:00.000 PM	1306.507	1349.148	1256.992	3912.646	232.342	244.545	302.906
11/17/2023@01:30:00.000 PM	1262.868	1311.536	1207.841	3782.245	206.476	230.546	285.812
11/17/2023@01:40:00.000 PM	1292.265	1325.502	1235.495	3853.263	197.533	210.294	259.382
11/17/2023@01:50:00.000 PM	1267.513	1307.853	1224.68	3800.047	183.766	189.685	249.25

11/17/2023@02:00:00.000 PM	1301.372	1344.351	1251.654	3897.377	223.221	233.947	291.777
11/17/2023@02:10:00.000 PM	1252.105	1321.531	1205.662	3779.299	186.423	213.484	278.734
11/17/2023@02:20:00.000 PM	1249.083	1311.663	1187.735	3748.481	172.506	212.694	265.869
11/17/2023@02:30:00.000 PM	1263.186	1298.72	1207.8	3769.706	197.094	210.619	260.339
11/17/2023@02:40:00.000 PM	1272.08	1304.746	1222.276	3799.102	197.918	202.145	254.423
11/17/2023@02:50:00.000 PM	1356.816	1403.737	1304.485	4065.039	231.085	240.457	300.199
11/17/2023@03:00:00.000 PM	1363.745	1401.851	1302.367	4067.963	231.075	241.781	292.679
11/17/2023@03:10:00.000 PM	1420.826	1455.262	1358.767	4234.854	260.471	262.558	313.141
11/17/2023@03:20:00.000 PM	1406.114	1498.027	1323.052	4227.192	248.348	309.446	362.405
11/17/2023@03:30:00.000 PM	1467.455	1526.679	1409.187	4403.32	289.29	301.283	365.105
11/17/2023@03:40:00.000 PM	1416.623	1451.393	1349.331	4217.347	252.87	266.794	311.496
11/17/2023@03:50:00.000 PM	1369.86	1421.461	1299.899	4091.22	222.274	259.653	314.569
11/17/2023@04:00:00.000 PM	1406.371	1419.336	1320.423	4146.13	257.98	277.342	318.455
11/17/2023@04:10:00.000 PM	1448.997	1463.73	1362.341	4275.067	281.584	298.896	339.599
11/17/2023@04:20:00.000 PM	1449.576	1448.686	1361.99	4260.252	281.111	290.743	324.843
11/17/2023@04:30:00.000 PM	1456.336	1471.095	1375.657	4303.087	291.797	295.77	344.699

11/17/2023@04:40:00.000 PM	1373.487	1361.618	1289.696	4024.801	245.678	252.617	282.234
11/17/2023@04:50:00.000 PM	1374.734	1374.358	1295.721	4044.814	247.356	255.143	290.249
11/17/2023@05:00:00.000 PM	1392.398	1387.009	1315.299	4094.707	268.487	268.169	306.144
11/17/2023@05:10:00.000 PM	1393.997	1427.958	1300.576	4122.531	241.642	284.829	324.4
11/17/2023@05:20:00.000 PM	1480.169	1472.12	1408.294	4360.583	314.061	296.814	340.197
11/17/2023@05:30:00.000 PM	1495.435	1481.632	1414.782	4391.849	306.5	294.915	331.098
11/17/2023@05:40:00.000 PM	1428.97	1437.755	1371.276	4238	289.467	275.902	335.334
11/17/2023@05:50:00.000 PM	1426.151	1414.709	1345.519	4186.379	267.52	266.31	300.85
11/17/2023@06:00:00.000 PM	1398.227	1382.223	1307.989	4088.439	241.074	248.198	272.664
11/17/2023@06:10:00.000 PM	1387.82	1397.36	1304.973	4090.153	225.161	244.499	281.831
11/17/2023@06:20:00.000 PM	1365.728	1357.334	1284.142	4007.204	251.379	256.769	288.675
11/17/2023@06:30:00.000 PM	1348.142	1354.4	1267.746	3970.288	233.957	250.013	285.722
11/17/2023@06:40:00.000 PM	1360.12	1366.563	1300.853	4027.537	257.002	251.153	303.324
11/17/2023@06:50:00.000 PM	1357.624	1345.691	1269.883	3973.198	238.956	251.628	275.623
11/17/2023@07:00:00.000 PM	1403.682	1403.226	1323.908	4130.815	259.306	267.629	304.556
11/17/2023@07:10:00.000 PM	1391.99	1382.484	1307.193	4081.667	251.647	260.142	289.054

11/17/2023@07:20:00.000 PM	1371.904	1359.233	1297.192	4028.328	255.058	253.873	287.84
11/17/2023@07:30:00.000 PM	1385.805	1386.907	1302.784	4075.497	252.5	268.542	303.088
11/17/2023@07:40:00.000 PM	1387.642	1394.295	1311.032	4092.969	239.564	253.718	295.523
11/17/2023@07:50:00.000 PM	1369.755	1371.094	1299.702	4040.55	250.652	256.51	299.342
11/17/2023@08:00:00.000 PM	1367.299	1371.577	1282.525	4021.401	224.064	245.202	278.567
11/17/2023@08:10:00.000 PM	1362.391	1359.81	1281.677	4003.878	245.816	259.378	293.305
11/17/2023@08:20:00.000 PM	1359.657	1375.604	1263.046	3998.307	233.51	276.68	304.196
11/17/2023@08:30:00.000 PM	1374.394	1387.304	1300.693	4062.391	261.363	275.295	319.383
11/17/2023@08:40:00.000 PM	1387.361	1418.254	1306.62	4112.235	234.75	268.177	315.328
11/17/2023@08:50:00.000 PM	1408.268	1412.839	1328.337	4149.444	277.412	289.742	328.018
11/17/2023@09:00:00.000 PM	1400.431	1418.131	1307.781	4126.343	250.38	287.424	320.744
11/17/2023@09:10:00.000 PM	1382.568	1388.574	1297.864	4069.006	270.811	290.167	323.712
11/17/2023@09:20:00.000 PM	1349.253	1373.592	1260.262	3983.107	244.946	284.755	321.32
11/17/2023@09:30:00.000 PM	1369.467	1381.547	1298.149	4049.164	256.448	268.722	314.607
11/17/2023@09:40:00.000 PM	1367.534	1382.88	1303.644	4054.058	258.418	266.139	317.147
11/17/2023@09:50:00.000 PM	1355.479	1372.61	1278.732	4006.821	234.013	257.154	299.176

11/17/2023@10:00:00.000 PM	1358.01	1386.364	1284.264	4028.638	234.163	261.347	310.01
11/17/2023@10:10:00.000 PM	1373.708	1380.3	1294.795	4048.802	261.659	278.213	313.882
11/17/2023@10:20:00.000 PM	1344.589	1362.186	1269.316	3976.091	248.4	267.024	307.107
11/17/2023@10:30:00.000 PM	1385.128	1413.999	1308.725	4107.852	264.179	290.223	337.068
11/17/2023@10:40:00.000 PM	1365.006	1403.86	1298.867	4067.733	260.383	282.428	339.644
11/17/2023@10:50:00.000 PM	1345.498	1383.275	1258.613	3987.386	242.026	288.066	328.398
11/17/2023@11:00:00.000 PM	1333.406	1358.116	1285.145	3976.667	241.443	240.544	304.867
11/17/2023@11:10:00.000 PM	1341.741	1371.268	1277.443	3990.453	256.495	273.395	328.199
11/17/2023@11:20:00.000 PM	1405.811	1439.324	1338.356	4183.492	286.702	304.858	360.359
11/17/2023@11:30:00.000 PM	1374.222	1424.064	1304.309	4102.595	268.686	302.046	360.215
11/17/2023@11:40:00.000 PM	1385.351	1417.618	1328.971	4131.941	283.075	288.635	350.637
11/17/2023@11:50:00.000 PM	1354.066	1400.137	1278.503	4032.706	260.848	299.571	355.29
11/18/2023@12:00:00.000 AM	1330.454	1368.055	1262.156	3960.666	248.746	277.922	333.912
11/18/2023@12:10:00.000 AM	1371.039	1412.499	1302.076	4085.615	268.959	295.748	355.562
11/18/2023@12:20:00.000 AM	1380.792	1421.825	1312.008	4114.625	264.412	289.762	349.465
11/18/2023@12:30:00.000 AM	1421.474	1431.316	1319.374	4172.165	272.06	309.033	330.57

11/18/2023@12:40:00.000 AM	1375.938	1393.248	1305.005	4074.191	274.167	287.53	334.235
11/18/2023@12:50:00.000 AM	1416.403	1434.166	1342.138	4192.708	339.94	352.419	397.97
11/18/2023@01:00:00.000 AM	1415.662	1436.088	1329.29	4181.041	314.957	342.114	379.33
11/18/2023@01:10:00.000 AM	1410.33	1463.103	1319.805	4193.237	298.825	350.947	400.076
11/18/2023@01:20:00.000 AM	1395.208	1478.335	1295.005	4168.548	226.336	310.905	361.216
11/18/2023@01:30:00.000 AM	1397.421	1437.761	1314.533	4149.715	287.212	322.739	370.338
11/18/2023@01:40:00.000 AM	1408.937	1442.541	1337.251	4188.729	317.296	334.934	388.305
11/18/2023@01:50:00.000 AM	1418.99	1455.363	1333.206	4207.56	317.663	351.887	396.005
11/18/2023@02:00:00.000 AM	1452.634	1476.505	1376.952	4306.091	359.278	371.929	419.248
11/18/2023@02:10:00.000 AM	1443.717	1462.891	1369.867	4276.476	354.821	359.362	406.916
11/18/2023@02:20:00.000 AM	1385.034	1419.521	1307.495	4112.05	308.095	334.136	380.608
11/18/2023@02:30:00.000 AM	1345.95	1398.485	1273.638	4018.074	272.874	308.777	365.314
11/18/2023@02:40:00.000 AM	1359.639	1377.456	1282.824	4019.919	327.515	342.292	380.989
11/18/2023@02:50:00.000 AM	1438.3	1442.969	1370.684	4251.954	370.088	360.152	404.009
11/18/2023@03:00:00.000 AM	1404.002	1432.099	1342.165	4178.265	364.923	367.025	422.136
11/18/2023@03:10:00.000 AM	1389.333	1451.688	1331.504	4172.526	344.288	366.339	438.323

11/18/2023@03:20:00.000 AM	1416.87	1451.173	1341.564	4209.606	368.129	387.348	435.339
11/18/2023@03:30:00.000 AM	1437.361	1464.074	1360.197	4261.632	377.327	391.58	436.71
11/18/2023@03:40:00.000 AM	1403.315	1402.354	1353.043	4158.712	370.852	340.271	392.597
11/18/2023@03:50:00.000 AM	1375.47	1441.464	1304.171	4121.105	311.818	352.613	413.841
11/18/2023@04:00:00.000 AM	1407.377	1447.397	1327.761	4182.535	342.988	370.913	420.34
11/18/2023@04:10:00.000 AM	1407.374	1438.58	1330.25	4176.204	338.323	357.907	405.904
11/18/2023@04:20:00.000 AM	1382.913	1420.449	1306.91	4110.271	309.583	333.946	383.908
11/18/2023@04:30:00.000 AM	1354.54	1376.783	1282.441	4013.765	326.17	337.546	382.949
11/18/2023@04:40:00.000 AM	1356.64	1367.876	1275.258	3999.774	316.064	330.133	364.573
11/18/2023@04:50:00.000 AM	1382.288	1393.145	1317.091	4092.524	354.212	348.577	395.528
11/18/2023@05:00:00.000 AM	1449.99	1468.024	1366.515	4284.529	396.161	408.916	447.663
11/18/2023@05:10:00.000 AM	1467.119	1493.112	1394.021	4354.252	394.699	400.925	454.043
11/18/2023@05:20:00.000 AM	1470.085	1493.665	1404.542	4368.292	416.657	411.721	469.02
11/18/2023@05:30:00.000 AM	1463.663	1518.13	1393.499	4375.292	406.704	427.163	492.758
11/18/2023@05:40:00.000 AM	1464.3	1486.573	1384.843	4335.716	425.271	433.473	478.13
11/18/2023@05:50:00.000 AM	1470.084	1511.26	1385.77	4367.115	404.104	429.735	478.285

11/18/2023@06:00:00.000 AM	1425.508	1456.973	1337.967	4220.448	363.926	391.153	432.027
11/18/2023@06:10:00.000 AM	1498.936	1527.452	1416.679	4443.068	417.168	430.545	477.82
11/18/2023@06:20:00.000 AM	1493.649	1531.341	1398.025	4423.015	395.407	430.613	470.852
11/18/2023@06:30:00.000 AM	1459.568	1505.137	1354.494	4319.198	382.018	434.345	466.49
11/18/2023@06:40:00.000 AM	1429.709	1455.927	1333.529	4219.165	383.945	416.489	446.714
11/18/2023@06:50:00.000 AM	1453.097	1481.205	1359.844	4294.146	382.95	412.117	447.604
11/18/2023@07:00:00.000 AM	1437.735	1474.896	1351.273	4263.903	386.366	415.276	458.743
11/18/2023@07:10:00.000 AM	1445.066	1514.778	1356.979	4316.824	351.062	405.524	460.106
11/18/2023@07:20:00.000 AM	1379.779	1409.608	1299.267	4088.654	329.883	353.761	396.826
11/18/2023@07:30:00.000 AM	1360.834	1395.445	1278.205	4034.484	307.733	338.537	381.655
11/18/2023@07:40:00.000 AM	1369.312	1404.619	1274.871	4048.803	303.717	348.515	382.794
11/18/2023@07:50:00.000 AM	1384.993	1428.763	1297.915	4111.672	314.758	355.639	399.09
11/18/2023@08:00:00.000 AM	1396.158	1418.823	1311.997	4126.978	331.891	354.908	392.186
11/18/2023@08:10:00.000 AM	1387.597	1464.985	1308.736	4161.319	313.215	368.562	432.309
11/18/2023@08:20:00.000 AM	1425.436	1445.87	1336.347	4207.653	339.182	363.718	400.193
11/18/2023@08:30:00.000 AM	1403.793	1436.727	1334.898	4175.418	333.137	348.899	399.966

11/18/2023@08:40:00.000 AM	1377.174	1421.423	1313.055	4111.652	314.601	335.61	392.498
11/18/2023@08:50:00.000 AM	1361.67	1404.871	1322.775	4089.316	297.781	294.182	371.259
11/18/2023@09:00:00.000 AM	1347.43	1384.175	1305.13	4036.734	287.856	285.943	356.586
11/18/2023@09:10:00.000 AM	1365.028	1393.818	1288.77	4047.615	269.968	297.116	339.835
11/18/2023@09:20:00.000 AM	1339.948	1387.231	1268.715	3995.893	253.531	287.693	340.72
11/18/2023@09:30:00.000 AM	1348.016	1379.656	1276.491	4004.163	262.156	281.494	325.466
11/18/2023@09:40:00.000 AM	1309.441	1347.245	1244.708	3901.393	230.669	251.684	300.133
11/18/2023@09:50:00.000 AM	1311.27	1358.04	1245.674	3914.984	198.325	228.376	281.225
11/18/2023@10:00:00.000 AM	1294.417	1323.919	1214.991	3833.326	189.05	223.945	259.252
11/18/2023@10:10:00.000 AM	1327.836	1355.342	1256.728	3939.906	223.227	244.277	284.195
11/18/2023@10:20:00.000 AM	1373.76	1391.007	1304.729	4069.496	273.287	279.387	318.342
11/18/2023@10:30:00.000 AM	1342.692	1367.741	1264.8	3975.233	234.814	257.321	292.043
11/18/2023@10:40:00.000 AM	1407.073	1425.856	1338.78	4171.708	262.085	267.256	312.134
11/18/2023@10:50:00.000 AM	1361.197	1372.466	1289.336	4022.999	247.054	255.561	291.132
11/18/2023@11:00:00.000 AM	1390.591	1401.596	1314.03	4106.217	248.765	259.568	294.166
11/18/2023@11:10:00.000 AM	1381.995	1393.35	1311.15	4086.495	269.061	270.869	306.988

11/18/2023@11:20:00.000 AM	1400.076	1425.281	1330.234	4155.591	274.719	284.735	328.095
11/18/2023@11:30:00.000 AM	1435.251	1445.78	1366.466	4247.498	291.755	286.736	328.657
11/18/2023@11:40:00.000 AM	1406.98	1423.588	1340.12	4170.688	272.642	271.666	316.863
11/18/2023@11:50:00.000 AM	1407.87	1420.134	1342.41	4170.413	265.765	260.712	305.215
11/18/2023@12:00:00.000 PM	1420.199	1433.308	1344.381	4197.888	268.295	273.195	311.337
11/18/2023@12:10:00.000 PM	1401.454	1423.651	1327.044	4152.148	272.063	279.972	323.245
11/18/2023@12:20:00.000 PM	1437.48	1450.463	1363.824	4251.766	281.303	279.259	322.222
11/18/2023@12:30:00.000 PM	1426.738	1447.911	1356.323	4230.972	280.268	278.858	326.449
11/18/2023@12:40:00.000 PM	1402.809	1413.8	1319.381	4135.989	264.976	270.472	303.057
11/18/2023@12:50:00.000 PM	1414.057	1423.272	1330.476	4167.805	282.063	275.821	310.215
11/18/2023@01:00:00.000 PM	1439.396	1451.404	1360.515	4251.315	298.759	284.566	324.82
11/18/2023@01:10:00.000 PM	1412.842	1447.703	1341.913	4202.459	277.341	274.355	328.457
11/18/2023@01:20:00.000 PM	1399.863	1413.63	1331.539	4145.033	268.713	253.294	300.395
11/18/2023@01:30:00.000 PM	1385.107	1399.934	1300.424	4085.465	271.936	272.718	306.631
11/18/2023@01:40:00.000 PM	1432.663	1456.373	1361.315	4250.351	313.281	299.523	349.413
11/18/2023@01:50:00.000 PM	1450.701	1471.442	1372.318	4294.461	331.467	322.168	364.835

11/18/2023@02:00:00.000 PM	1423.227	1450.248	1342.762	4216.237	313.73	311.544	354.786
11/18/2023@02:10:00.000 PM	1456.764	1469.541	1379.658	4305.964	332.359	317.28	359.139
11/18/2023@02:20:00.000 PM	1392.181	1428.253	1302.381	4122.814	254.758	281.188	318.304
11/18/2023@02:30:00.000 PM	1410.73	1445.502	1358.819	4215.051	284.893	266.118	336.787
11/18/2023@02:40:00.000 PM	1372.6	1400.84	1297.259	4070.699	267.397	262.667	308.774
11/18/2023@02:50:00.000 PM	1369.836	1382.478	1304.455	4056.768	296.951	268.142	319.643
11/18/2023@03:00:00.000 PM	1414.173	1421.079	1332.382	4167.634	330.383	313.435	349.348
11/18/2023@03:10:00.000 PM	1425.826	1433.999	1357.423	4217.248	313.918	290.068	337.599
11/18/2023@03:20:00.000 PM	1470.868	1500.013	1374.469	4345.35	303.077	319.319	354.575
11/18/2023@03:30:00.000 PM	1492.067	1511.993	1420.448	4424.508	356.731	334.263	384.838
11/18/2023@03:40:00.000 PM	1461.009	1462.475	1385.561	4309.045	345.859	326	366.355
11/18/2023@03:50:00.000 PM	1474.028	1474.381	1391.624	4340.033	352.275	333.235	368.735
11/18/2023@04:00:00.000 PM	1491.324	1499.708	1426.419	4417.451	355.174	329.026	382.36
11/18/2023@04:10:00.000 PM	1438.735	1458.093	1353.071	4249.899	314.261	318.849	357.608
11/18/2023@04:20:00.000 PM	1391.746	1394.601	1304.714	4091.062	298.947	297.025	323.982
11/18/2023@04:30:00.000 PM	1426.913	1446.646	1342.695	4216.254	311.002	314.042	352.597

11/18/2023@04:40:00.000 PM	1430.571	1441.807	1365.448	4237.826	342.542	325.843	376.704
11/18/2023@04:50:00.000 PM	1464.398	1491.491	1402.204	4358.094	333.2	325.855	382.517
11/18/2023@05:00:00.000 PM	1434.603	1438.434	1360.15	4233.187	324.367	314.681	355.53
11/18/2023@05:10:00.000 PM	1406.865	1407.024	1327.895	4141.785	321.57	316.503	350.274
11/18/2023@05:20:00.000 PM	1394.906	1419.198	1312.556	4126.66	302.729	319.8	360.224
11/18/2023@05:30:00.000 PM	1434.141	1471.063	1368.977	4274.18	299.378	305.817	366.15
11/18/2023@05:40:00.000 PM	1457.581	1506.005	1388.676	4352.262	326.031	343.059	400.612
11/18/2023@05:50:00.000 PM	1442.875	1449.964	1366.229	4259.068	335.947	333.098	373.257
11/18/2023@06:00:00.000 PM	1394.685	1407.811	1326.298	4128.794	298.457	296.222	343.576
11/18/2023@06:10:00.000 PM	1398.355	1415.922	1327.682	4141.959	278.708	284.481	332.488
11/18/2023@06:20:00.000 PM	1450.037	1488.473	1364.839	4303.349	277.09	307.062	353.473
11/18/2023@06:30:00.000 PM	1432.439	1432.842	1355.876	4221.157	318.243	314.607	352.229
11/18/2023@06:40:00.000 PM	1421.379	1422.338	1344.578	4188.296	305.638	305.732	341.129
11/18/2023@06:50:00.000 PM	1479.58	1487.927	1416.309	4383.816	347.103	332.626	382.014
11/18/2023@07:00:00.000 PM	1457.006	1472.727	1383.873	4313.605	325.421	327.756	375.15
11/18/2023@07:10:00.000 PM	1479.898	1496.258	1402.39	4378.545	331.069	337.227	378.484

11/18/2023@07:20:00.000 PM	1470.437	1494.363	1385.086	4349.887	308.368	329.816	367.262
11/18/2023@07:30:00.000 PM	1527.636	1552.106	1455.374	4535.117	331.999	336.672	391.653
11/18/2023@07:40:00.000 PM	1442.97	1458.035	1362.544	4263.549	302.858	315.828	355.294
11/18/2023@07:50:00.000 PM	1464.158	1483.282	1374.082	4321.522	311.483	336.25	368.224
11/18/2023@08:00:00.000 PM	1508.291	1537.238	1429.191	4474.72	331.713	344.728	395.191
11/18/2023@08:10:00.000 PM	1530.921	1560.371	1452.886	4544.178	329.112	342.949	392.341
11/18/2023@08:20:00.000 PM	1452.333	1479.704	1364.018	4296.055	302.021	332.235	367.93
11/18/2023@08:30:00.000 PM	1457.192	1503.699	1368.478	4329.368	288.993	332.439	377.187
11/18/2023@08:40:00.000 PM	1494.528	1523.653	1414.364	4432.545	320.101	336.57	385.15
11/18/2023@08:50:00.000 PM	1454.961	1499.859	1384.48	4339.3	309.623	331.318	389.654
11/18/2023@09:00:00.000 PM	1478.715	1508.496	1400.016	4387.228	303.7	324.356	370.262
11/18/2023@09:10:00.000 PM	1455.439	1472.328	1380.891	4308.658	311.547	318.942	365.219
11/18/2023@09:20:00.000 PM	1472.018	1483.794	1407.938	4363.75	286.259	280.709	334.334
11/18/2023@09:30:00.000 PM	1391.598	1406.975	1317.341	4115.914	263.119	277.707	320.331
11/18/2023@09:40:00.000 PM	1417.478	1435.71	1345.103	4198.29	292.171	302.744	350.089
11/18/2023@09:50:00.000 PM	1473.612	1513.186	1397.146	4383.944	300.456	325.108	378.411

11/18/2023@10:00:00.000 PM	1492.158	1511.028	1416.986	4420.172	314.779	320.809	367.327
11/18/2023@10:10:00.000 PM	1450.998	1463	1374.178	4288.177	323.2	330.827	374.287
11/18/2023@10:20:00.000 PM	1468.464	1479.749	1372.852	4321.065	306.307	333.991	368.212
11/18/2023@10:30:00.000 PM	1436.554	1445.545	1336.225	4218.323	284.762	318.454	345.539
11/18/2023@10:40:00.000 PM	1529.634	1562.225	1439.511	4531.369	339.368	369.272	414.466
11/18/2023@10:50:00.000 PM	1526.855	1534.39	1435.056	4496.3	337.797	353.05	387.47
11/18/2023@11:00:00.000 PM	1438.484	1447.464	1367.672	4253.619	313.492	317.419	366.932
11/18/2023@11:10:00.000 PM	1484.6	1489.504	1397.672	4371.777	339.658	350.796	388.579
11/18/2023@11:20:00.000 PM	1532.369	1536.482	1437.077	4505.928	350.168	363.676	396.808
11/18/2023@11:30:00.000 PM	1549.777	1548.99	1470.048	4568.815	364.468	358.72	404.202
11/18/2023@11:40:00.000 PM	1509.809	1539.944	1417.28	4467.033	343.053	374.96	415.985
11/18/2023@11:50:00.000 PM	1450.141	1488.433	1355.662	4294.236	306.051	349.736	393.771
11/19/2023@12:00:00.000 AM	1461.685	1469.481	1369.734	4300.9	305.333	325.392	358.893
11/19/2023@12:10:00.000 AM	1483.873	1496.858	1388.53	4369.261	297.995	322.627	358.761
11/19/2023@12:20:00.000 AM	1489.409	1497.135	1391.069	4377.614	310.162	334.233	366.284
11/19/2023@12:30:00.000 AM	1540.759	1551.217	1469.729	4561.705	354.378	346.67	402.784

11/19/2023@12:40:00.000 AM	1525.335	1527.472	1434.799	4487.606	356.868	362.317	398.677
11/19/2023@12:50:00.000 AM	1486.114	1480.59	1393.646	4360.349	348.335	354.299	385.549
11/19/2023@01:00:00.000 AM	1471.879	1474.035	1374.99	4320.904	319.439	337.916	368.578
11/19/2023@01:10:00.000 AM	1483.714	1477.157	1384.528	4345.399	344.406	359.043	384.164
11/19/2023@01:20:00.000 AM	1502.183	1488.601	1392.031	4382.815	353.082	371.109	386.931
11/19/2023@01:30:00.000 AM	1564.38	1560.324	1465.521	4590.225	375.304	382.87	410.893
11/19/2023@01:40:00.000 AM	1511.43	1503.161	1417.236	4431.827	348.715	352.019	381.805
11/19/2023@01:50:00.000 AM	1524.008	1512.621	1423.274	4459.903	344.552	350.614	376.059
11/19/2023@02:00:00.000 AM	1459.387	1468.009	1360.415	4287.811	317.539	341.785	370.94
11/19/2023@02:10:00.000 AM	1479.808	1469.879	1377.264	4326.951	335.175	348.564	369.467
11/19/2023@02:20:00.000 AM	1508.271	1495.579	1414.51	4418.36	366.11	364.629	392.765
11/19/2023@02:30:00.000 AM	1474.066	1477.043	1376.156	4327.265	331.741	349.346	378.539
11/19/2023@02:40:00.000 AM	1492.532	1478.731	1387.664	4358.927	330.242	343.993	362.182
11/19/2023@02:50:00.000 AM	1501.82	1478.999	1398.181	4378.999	362.038	365.722	381.083
11/19/2023@03:00:00.000 AM	1518.615	1505.925	1406.745	4431.286	396.774	413.27	426.65
11/19/2023@03:10:00.000 AM	1520.087	1495.42	1406.885	4422.391	400.431	409.337	417.568

11/19/2023@03:20:00.000 AM	1503.743	1485.888	1391.167	4380.798	392.317	407.116	417.668
11/19/2023@03:30:00.000 AM	1475.25	1459.881	1365.397	4300.527	360.609	376.69	390.26
11/19/2023@03:40:00.000 AM	1468.611	1448.603	1367.494	4284.708	363.785	368.925	385.413
11/19/2023@03:50:00.000 AM	1470.319	1453.837	1362.22	4286.376	355.494	370.849	384.387
11/19/2023@04:00:00.000 AM	1497.31	1469.096	1397.114	4363.52	397.508	392.694	407.815
11/19/2023@04:10:00.000 AM	1434.297	1461.556	1340.354	4236.207	348.746	381.001	418.063
11/19/2023@04:20:00.000 AM	1447.164	1441.206	1349.684	4238.054	383.216	393.999	415.57
11/19/2023@04:30:00.000 AM	1401.119	1380.711	1295.384	4077.213	327.517	343.336	351.461
11/19/2023@04:40:00.000 AM	1519.041	1506.295	1417.547	4442.883	395.654	401.593	423.301
11/19/2023@04:50:00.000 AM	1567.046	1549.241	1459.906	4576.192	439.11	440.07	457.42
11/19/2023@05:00:00.000 AM	1551.991	1532.339	1456.487	4540.817	418.194	410.424	436.503
11/19/2023@05:10:00.000 AM	1523.039	1511.292	1407.421	4441.751	410.867	430.667	443.421
11/19/2023@05:20:00.000 AM	1503.697	1481.374	1402.699	4387.77	397.816	396.839	416.509
11/19/2023@05:30:00.000 AM	1466.992	1457.046	1350.086	4274.124	347.387	375.38	386.675
11/19/2023@05:40:00.000 AM	1468.568	1447.036	1375.651	4291.254	381.874	377.517	401.615
11/19/2023@05:50:00.000 AM	1519.434	1491.819	1432.353	4443.606	417.489	396.558	425.624

11/19/2023@06:00:00.000 AM	1517.496	1524.088	1423.622	4465.206	393.199	403.879	440.684
11/19/2023@06:10:00.000 AM	1508.444	1509.226	1424.034	4441.704	415.334	412.561	453.022
11/19/2023@06:20:00.000 AM	1513.822	1496.828	1421.901	4432.551	394.452	386.226	416.421
11/19/2023@06:30:00.000 AM	1529.371	1525.682	1424.912	4479.965	354.596	371.01	396.321
11/19/2023@06:40:00.000 AM	1533.308	1515.739	1448.57	4497.616	388.418	372.934	409.639
11/19/2023@06:50:00.000 AM	1519.916	1504.395	1444.219	4468.53	378.726	357.572	401.631
11/19/2023@07:00:00.000 AM	1494.029	1472.452	1422.801	4389.283	378.783	350.713	394.023
11/19/2023@07:10:00.000 AM	1494.702	1504.72	1404.768	4404.19	374.724	385.858	427.212
11/19/2023@07:20:00.000 AM	1472.931	1551.392	1383.316	4407.639	314.889	376.497	439.573
11/19/2023@07:30:00.000 AM	1512.69	1491.331	1428.987	4433.008	387.752	369.514	406.393
11/19/2023@07:40:00.000 AM	1521.491	1506.988	1419.039	4447.517	376.735	382.796	406.603
11/19/2023@07:50:00.000 AM	1500.304	1484.15	1395.963	4380.417	368.374	376.867	395.787
11/19/2023@08:00:00.000 AM	1557.403	1548.506	1432.53	4538.44	377.901	408.866	416.378
11/19/2023@08:10:00.000 AM	1544.956	1503.971	1423.181	4472.108	383.259	389.633	389.737
11/19/2023@08:20:00.000 AM	1546.016	1533.082	1444.413	4523.511	383.21	387.02	411.338
11/19/2023@08:30:00.000 AM	1533.692	1509.011	1429.618	4472.32	369.367	371.642	391.713

11/19/2023@08:40:00.000 AM	1474.426	1463.766	1368.451	4306.644	343.925	362.189	382.421
11/19/2023@08:50:00.000 AM	1495.128	1490.504	1389.921	4375.552	330.955	352.749	377.089
11/19/2023@09:00:00.000 AM	1501.693	1480.245	1408.432	4390.37	330.978	329.209	356.425
11/19/2023@09:10:00.000 AM	1530.548	1511.34	1429.451	4471.338	353.707	356.518	379.773
11/19/2023@09:20:00.000 AM	1527.518	1542.137	1429.288	4498.943	342	364.384	399.65
11/19/2023@09:30:00.000 AM	1478.519	1470.497	1369.342	4318.357	327.559	353.074	369.174
11/19/2023@09:40:00.000 AM	1479.625	1468.23	1374.605	4322.459	328.927	347.11	366.385
11/19/2023@09:50:00.000 AM	1520.36	1509.962	1426.735	4457.057	338.847	339.793	369.631
11/19/2023@10:00:00.000 AM	1504.062	1480.896	1416.113	4401.072	349.708	338.057	367.702
11/19/2023@10:10:00.000 AM	1564.224	1542.609	1465.984	4572.817	354.652	350.114	372.602
11/19/2023@10:20:00.000 AM	1497.404	1482.572	1385.018	4364.994	321.338	341.682	354.751
11/19/2023@10:30:00.000 AM	1469.105	1449.109	1359.78	4277.995	321.972	336.476	348.743
11/19/2023@10:40:00.000 AM	1492.878	1467.184	1386.724	4346.786	318.563	321.178	336.682
11/19/2023@10:50:00.000 AM	1498.195	1476.182	1405.503	4379.88	334.326	322.223	351.245
11/19/2023@11:00:00.000 AM	1482.912	1471.553	1371.703	4326.168	321.346	335.497	352.549
11/19/2023@11:10:00.000 AM	1530.173	1539.03	1420.547	4489.749	336.17	356.839	383.56

11/19/2023@11:20:00.000 AM	1501.711	1483.53	1410.719	4395.96	325.569	307.025	340.366
11/19/2023@11:30:00.000 AM	1511.548	1500.145	1423.933	4435.625	320.894	307.51	342.47
11/19/2023@11:40:00.000 AM	1522.182	1498.552	1422.638	4443.373	333.436	315.016	342.869
11/19/2023@11:50:00.000 AM	1538.317	1519.004	1436.266	4493.587	361.591	347.053	369.257
11/19/2023@12:00:00.000 PM	1531.323	1511.032	1424.861	4467.216	351.324	340.655	359.144
11/19/2023@12:10:00.000 PM	1507.827	1487.499	1403.615	4398.941	345.86	332.386	354.976
11/19/2023@12:20:00.000 PM	1560.908	1542.221	1452.696	4555.826	364.291	350.605	371.084
11/19/2023@12:30:00.000 PM	1557.378	1547.249	1454.991	4559.618	378.26	363.364	390.752
11/19/2023@12:40:00.000 PM	1487.924	1464.597	1397.194	4349.715	353.62	323.75	351.845
11/19/2023@12:50:00.000 PM	1452.517	1434.998	1373.826	4261.342	342.516	306.736	344.937
11/19/2023@01:00:00.000 PM	1446.788	1426.931	1356.253	4229.971	338.111	311.612	340.175
11/19/2023@01:10:00.000 PM	1510.608	1506.376	1408.566	4425.55	366.386	353.433	383.592
11/19/2023@01:20:00.000 PM	1462.329	1445.954	1363.963	4272.247	350.319	330.513	355.997
11/19/2023@01:30:00.000 PM	1462.839	1454.25	1368.172	4285.262	348.677	330.021	361.019
11/19/2023@01:40:00.000 PM	1449.11	1433.544	1349.025	4231.68	345.834	329.339	351.766
11/19/2023@01:50:00.000 PM	1463.621	1458.185	1362.601	4284.408	340.267	330.866	356.236

11/19/2023@02:00:00.000 PM	1478.429	1465.406	1385.952	4329.787	348.021	321.966	352.555
----------------------------	----------	----------	----------	----------	---------	---------	---------

Cap. 3. Puteri aparente si Factor de putere

Puterea Aparentă și Factorul de Putere

Puterea Aparentă S: Aceasta reprezintă cantitatea totală de energie într-un sistem de curent alternativ (CA), inclusiv energia activă și energia reactivă. Se măsoară în volți-amperi (VA) și este determinată prin formula consacrată.

Puterea aparentă reflectă energia totală transferată prin sistem, cuprinzând atât energia folosită pentru efort util, cât și energia care oscilează între sursă și sarcină fără a fi convertită în efect.

Factorul de Putere: Acest indicator evaluează eficiența utilizării energiei electrice într-un sistem. Este raportul dintre puterea activă și puterea aparentă și se calculează astfel: $PF = \frac{P}{S}$ /

unde P este puterea activă și S este puterea aparentă.

Factorul de putere variază de la 0 la 1; un factor de putere aproape de 1 semnifică o utilizare eficientă a energiei, pe când un factor de putere mic sugerează o proporție mai mare de energie reactivă, ceea ce poate indica o eficiență mai redusă.

Aceste concepte sunt esențiale pentru analiza și optimizarea performanței sistemelor electrice, contribuind la o utilizare mai eficientă a energiei și la îmbunătățirea funcționării echipamentelor.

timestamp

timestamp	kVAR tot	kVA a	kVA b	kVA c	kVA tot	PF sign a	PF sign b	PF sign c	PF sign tot
11/12/2023@03:20:00.000 PM									
11/12/2023@03:30:00.000 PM	858.861	1366.047	1362.942	1283.421	3988.162	-97.208	-97.362	-96.592	-97.654
11/12/2023@03:40:00.000 PM	809.072	1333.246	1348.224	1272.921	3928.067	-97.347	-97.663	-96.569	-97.856
11/12/2023@03:50:00.000 PM	816.765	1302.4	1296.318	1238.798	3811.041	-97.036	-97.413	-96.539	-97.676
11/12/2023@04:00:00.000 PM	940.349	1355.503	1356.381	1282.726	3967.823	-96.66	-96.89	-95.917	-97.151

11/12/2023@04:10:00.000 PM	984.933	1399.133	1398.369	1330.427	4102.373	-96.588	-96.914	-95.892	-97.075
11/12/2023@04:20:00.000 PM	948.217	1368.301	1372.054	1302.263	4017.114	-96.72	-96.984	-95.949	-97.174
11/12/2023@04:30:00.000 PM	863.787	1371.492	1380.245	1306.015	4032.603	-97.261	-97.452	-96.477	-97.679
11/12/2023@04:40:00.000 PM	987.901	1392.45	1414.223	1325.303	4107.22	-96.827	-96.886	-95.691	-97.064
11/12/2023@04:50:00.000 PM	999.615	1413.865	1426.461	1350.211	4166.582	-96.762	-96.945	-95.831	-97.079
11/12/2023@05:00:00.000 PM	988.369	1409.094	1417.2	1350.947	4153.302	-96.748	-97.01	-95.925	-97.127
11/12/2023@05:10:00.000 PM	969.78	1403.496	1418.708	1335.328	4134.042	-96.976	-97.02	-95.947	-97.21
11/12/2023@05:20:00.000 PM	1030.108	1418.936	1446.055	1357.969	4201.329	-96.871	-96.848	-95.589	-96.948
11/12/2023@05:30:00.000 PM	923.864	1391.867	1412.256	1344.458	4126.604	-97.213	-97.406	-96.184	-97.462
11/12/2023@05:40:00.000 PM	873.826	1359.64	1366.357	1301.051	4005.435	-97.306	-97.402	-96.467	-97.591
11/12/2023@05:50:00.000 PM	823.466	1353.365	1355.998	1275.069	3961.861	-97.618	-97.423	-96.713	-97.816
11/12/2023@06:00:00.000 PM	848.075	1385.221	1405.257	1317.454	4085.033	-97.697	-97.524	-96.568	-97.821
11/12/2023@06:10:00.000 PM	996.988	1460.63	1490.647	1401.216	4331.425	-97.295	-97.211	-95.983	-97.315
11/12/2023@06:20:00.000 PM	1016.888	1474.464	1515.655	1415.534	4385.405	-97.366	-97.19	-95.878	-97.274
11/12/2023@06:30:00.000 PM	910.654	1402.411	1439.275	1337.535	4157.913	-97.652	-97.348	-96.174	-97.572
11/12/2023@06:40:00.000 PM	958.339	1437.164	1469.336	1368.631	4254.184	-97.517	-97.207	-96.085	-97.43

11/12/2023@06:50:00.000 PM	994.141	1433.76	1468.615	1376.578	4258.617	-97.316	-97.119	-95.844	-97.237
11/12/2023@07:00:00.000 PM	1048.37	1462.978	1494.827	1411.988	4348.579	-97.058	-97.001	-95.637	-97.05
11/12/2023@07:10:00.000 PM	1152.214	1532.3	1562.747	1475.245	4548.631	-96.758	-96.705	-95.334	-96.739
11/12/2023@07:20:00.000 PM	1148.854	1538.495	1565.323	1482.403	4564.419	-96.787	-96.733	-95.401	-96.781
11/12/2023@07:30:00.000 PM	1130.128	1529.595	1556.958	1479.22	4543.305	-96.808	-96.844	-95.45	-96.857
11/12/2023@07:40:00.000 PM	1155.373	1561.441	1596.875	1517.393	4656.131	-96.87	-97.058	-95.43	-96.872
11/12/2023@07:50:00.000 PM	1070.113	1549.255	1588.794	1493.172	4610.248	-97.316	-97.288	-95.833	-97.269
11/12/2023@08:00:00.000 PM	1140.356	1561.525	1598.051	1508.006	4647.224	-96.985	-97.021	-95.507	-96.943
11/12/2023@08:10:00.000 PM	1085.347	1527.425	1554.388	1478.004	4536.076	-97.011	-97.034	-95.687	-97.095
11/12/2023@08:20:00.000 PM	948.753	1492.072	1623.737	1434.204	4522.041	-98.33	-97.562	-95.53	-97.774
11/12/2023@08:30:00.000 PM	1075.306	1544.98	1588.856	1492.904	4606.114	-97.292	-97.294	-95.775	-97.237
11/12/2023@08:40:00.000 PM	1027.906	1509.746	1546.74	1475.769	4509.373	-97.276	-97.381	-95.937	-97.367
11/12/2023@08:50:00.000 PM	1020.429	1469.495	1530.01	1413.942	4387.685	-97.412	-97.088	-95.51	-97.258
11/12/2023@09:00:00.000 PM	947.225	1420.156	1506.126	1371.638	4270.714	-97.745	-97.356	-95.5	-97.509
11/12/2023@09:10:00.000 PM	1037.982	1487.583	1520.281	1438.999	4424.206	-97.189	-97.123	-95.789	-97.209
11/12/2023@09:20:00.000 PM	1074.548	1497.796	1550.997	1457.467	4483.702	-97.195	-97.085	-95.472	-97.086

11/12/2023@09:30:00.000 PM	1033.131	1493.308	1531.153	1451.744	4452.444	-97.217	-97.227	-95.779	-97.271
11/12/2023@09:40:00.000 PM	1043.668	1483.06	1540.17	1455.308	4455.584	-97.267	-97.272	-95.577	-97.218
11/12/2023@09:50:00.000 PM	1057.919	1476.154	1551.281	1441.967	4445.104	-97.312	-97.16	-95.264	-97.127
11/12/2023@10:00:00.000 PM	1030.084	1487.957	1528.107	1451.176	4445.471	-97.255	-97.304	-95.817	-97.278
11/12/2023@10:10:00.000 PM	1051.281	1460.78	1501.153	1422.001	4361.909	-97.052	-97.081	-95.519	-97.052
11/12/2023@10:20:00.000 PM	1065.356	1490.06	1543.884	1440.749	4452.416	-97.26	-97.034	-95.489	-97.095
11/12/2023@10:30:00.000 PM	1075.388	1475.523	1506.218	1421.048	4380.073	-96.951	-96.841	-95.482	-96.939
11/12/2023@10:40:00.000 PM	1081.615	1472.294	1518.915	1421.422	4390.751	-97.068	-96.853	-95.342	-96.918
11/12/2023@10:50:00.000 PM	1110.624	1480.534	1530.797	1425.175	4413.603	-96.975	-96.679	-95.137	-96.782
11/12/2023@11:00:00.000 PM	1118.65	1486.413	1530.259	1435.224	4430.732	-96.902	-96.735	-95.214	-96.76
11/12/2023@11:10:00.000 PM	1115.921	1492.848	1532.526	1435.934	4441.036	-96.939	-96.749	-95.317	-96.792
11/12/2023@11:20:00.000 PM	1046.609	1438.745	1491.764	1396.667	4303.773	-97.105	-96.958	-95.305	-96.998
11/12/2023@11:30:00.000 PM	1024.332	1441.108	1485.425	1396.551	4299.906	-97.161	-97.047	-95.547	-97.121
11/12/2023@11:40:00.000 PM	1013.324	1460.525	1498.101	1373.839	4308.591	-97.378	-96.803	-95.739	-97.195
11/12/2023@11:50:00.000 PM	998.013	1418.592	1464.922	1374.791	4235.683	-97.234	-97.114	-95.609	-97.185
11/13/2023@12:00:00.000 AM	1047.174	1457.928	1508.959	1434.476	4378.568	-97.043	-97.233	-95.469	-97.098

11/13/2023@12:10:00.000 AM	1091.393	1445.544	1551.623	1420.611	4392.372	-97.281	-96.966	-94.595	-96.864
11/13/2023@12:20:00.000 AM	1098.189	1441.508	1557.686	1453.492	4429.625	-97.19	-97.363	-94.512	-96.878
11/13/2023@12:30:00.000 AM	1139.448	1494.759	1539.219	1454.966	4466.139	-96.715	-96.757	-95.08	-96.691
11/13/2023@12:40:00.000 AM	1108.626	1489.234	1559.183	1437.847	4463.362	-97.139	-96.805	-95.107	-96.866
11/13/2023@12:50:00.000 AM	1149.755	1496.222	1546.284	1452.665	4473.633	-96.756	-96.695	-95.031	-96.641
11/13/2023@01:00:00.000 AM	1066.577	1447.054	1513.58	1412.484	4349.031	-97.05	-97.01	-95.118	-96.946
11/13/2023@01:10:00.000 AM	1010.447	1369.038	1406.117	1325.69	4074.495	-96.764	-96.777	-95.172	-96.876
11/13/2023@01:20:00.000 AM	1021.811	1374.065	1432.86	1334.07	4115.164	-96.946	-96.794	-94.992	-96.868
11/13/2023@01:30:00.000 AM	1034.663	1381.227	1460.309	1335.453	4150.118	-97.063	-96.791	-94.722	-96.842
11/13/2023@01:40:00.000 AM	1178.056	1486.994	1577.745	1450.509	4491.468	-96.847	-96.648	-94.398	-96.499
11/13/2023@01:50:00.000 AM	1151.961	1496.027	1548.751	1450.53	4474.115	-96.778	-96.686	-95.001	-96.629
11/13/2023@02:00:00.000 AM	1192.388	1491.925	1538.274	1445.903	4453.928	-96.435	-96.419	-94.711	-96.35
11/13/2023@02:10:00.000 AM	1156.538	1466.426	1508.862	1412.807	4366.198	-96.547	-96.4	-94.839	-96.428
11/13/2023@02:20:00.000 AM	1094.56	1443.6	1487.348	1367.656	4274.969	-96.874	-96.411	-95.054	-96.667
11/13/2023@02:30:00.000 AM	1186.435	1531.127	1567.105	1462.583	4539.007	-96.651	-96.413	-95.069	-96.523
11/13/2023@02:40:00.000 AM	1164.879	1520.561	1544.024	1456.516	4499.542	-96.585	-96.511	-95.251	-96.591

11/13/2023@02:50:00.000 AM	1155.758	1507.366	1539.432	1449.23	4473.1	-96.604	-96.553	-95.13	-96.604
11/13/2023@03:00:00.000 AM	1270.427	1543.485	1571.709	1471.493	4563.37	-96.12	-95.948	-94.553	-96.047
11/13/2023@03:10:00.000 AM	1295.683	1534.865	1568.773	1471.915	4551.886	-95.935	-95.826	-94.287	-95.863
11/13/2023@03:20:00.000 AM	1261.315	1546.926	1568.15	1482.519	4573.644	-96.069	-96.066	-94.685	-96.122
11/13/2023@03:30:00.000 AM	1249.771	1562.292	1587.063	1504.789	4630.246	-96.198	-96.291	-94.85	-96.288
11/13/2023@03:40:00.000 AM	1337.146	1514.046	1554.788	1450.816	4494.717	-95.567	-95.436	-93.772	-95.472
11/13/2023@03:50:00.000 AM	1239.48	1482.145	1519.358	1418.778	4394.052	-95.971	-95.806	-94.274	-95.939
11/13/2023@04:00:00.000 AM	1332.375	1534.362	1579.823	1474.567	4564.517	-95.791	-95.644	-93.922	-95.645
11/13/2023@04:10:00.000 AM	1328.844	1561.066	1590.343	1506.77	4634.763	-95.746	-95.882	-94.286	-95.802
11/13/2023@04:20:00.000 AM	1231.428	1505.193	1533.122	1433.343	4446.6	-96.117	-95.922	-94.557	-96.089
11/13/2023@04:30:00.000 AM	1208.183	1473.934	1497.019	1424.252	4368.966	-95.901	-96.08	-94.557	-96.1
11/13/2023@04:40:00.000 AM	1188.843	1450.541	1481.243	1381.673	4286.773	-96.096	-95.854	-94.442	-96.078
11/13/2023@04:50:00.000 AM	1280.143	1505.002	1534.483	1436.745	4451.015	-95.807	-95.647	-94.197	-95.775
11/13/2023@05:00:00.000 AM	1246.433	1517.166	1545.11	1446.804	4483.373	-96.074	-95.903	-94.5	-96.058
11/13/2023@05:10:00.000 AM	2783.611	1332.291	1385.024	1350.04	4056.273	-72.354	-75.487	-69.696	-72.737
11/13/2023@05:20:00.000 AM	1078.141	1329.575	1378.537	1274.049	3956.714	-96.365	-96.05	-94.318	-96.216

11/13/2023@05:30:00.000 AM	1114.017	1424.83	1480.529	1364.225	4245.206	-96.725	-96.332	-94.709	-96.495
11/13/2023@05:40:00.000 AM	1212.85	1478.618	1513.766	1415.72	4385.357	-96.188	-96.016	-94.552	-96.099
11/13/2023@05:50:00.000 AM	1163.937	1493.108	1554.865	1421.766	4444.232	-96.817	-96.296	-94.689	-96.51
11/13/2023@06:00:00.000 AM	1298.369	1515.221	1560.641	1456.419	4507.803	-95.894	-95.738	-94.041	-95.762
11/13/2023@06:10:00.000 AM	1354.691	1541.979	1595.092	1461.604	4572.458	-95.794	-95.339	-93.686	-95.51
11/13/2023@06:20:00.000 AM	1355.675	1559.491	1613.423	1481.476	4631.732	-95.968	-95.502	-93.921	-95.621
11/13/2023@06:30:00.000 AM	1314.759	1570.021	1586.521	1510.01	4643.593	-95.786	-95.947	-94.536	-95.908
11/13/2023@06:40:00.000 AM	1296.65	1535.641	1557.366	1471.835	4541.742	-95.813	-95.803	-94.396	-95.838
11/13/2023@06:50:00.000 AM	1141.544	1455.728	1472.814	1389.098	4292.177	-96.272	-96.217	-94.956	-96.398
11/13/2023@07:00:00.000 AM	1182.175	1479.987	1498.506	1413.247	4366.433	-96.171	-96.113	-94.801	-96.265
11/13/2023@07:10:00.000 AM	1057.746	1424.545	1444.154	1356.147	4198.322	-96.659	-96.507	-95.287	-96.774
11/13/2023@07:20:00.000 AM	1225.531	1518.46	1549.256	1446.369	4491.661	-96.327	-96.098	-94.702	-96.206
11/13/2023@07:30:00.000 AM	1140.259	1458.987	1501.603	1392.701	4328.335	-96.576	-96.335	-94.768	-96.468
11/13/2023@07:40:00.000 AM	1091.642	1426.293	1489.754	1363.184	4253.57	-96.911	-96.488	-94.737	-96.651
11/13/2023@07:50:00.000 AM	1138.377	1443.453	1497.718	1375.199	4289.288	-96.632	-96.188	-94.533	-96.414
11/13/2023@08:00:00.000 AM	1184.702	1467.107	1567.47	1417.922	4424.224	-96.852	-96.268	-93.994	-96.348

11/13/2023@08:10:00.000 AM	1184.064	1484.325	1504.39	1406.344	4369.965	-96.277	-95.98	-94.822	-96.259
11/13/2023@08:20:00.000 AM	1229.393	1490.042	1521.052	1413.747	4400.146	-96.129	-95.807	-94.449	-96.018
11/13/2023@08:30:00.000 AM	1163.935	1474.839	1502.497	1387.041	4339.354	-96.479	-95.982	-94.828	-96.336
11/13/2023@08:40:00.000 AM	1263.609	1494.089	1542.047	1428.954	4440.195	-96.08	-95.751	-94.093	-95.865
11/13/2023@08:50:00.000 AM	1060.12	1402.542	1419.285	1314.316	4110.168	-96.659	-96.127	-95.19	-96.616
11/13/2023@09:00:00.000 AM	1049.499	1333.57	1369.418	1257.803	3933.595	-96.523	-95.912	-94.639	-96.375
11/13/2023@09:10:00.000 AM	1083.308	1378.617	1409.49	1291.085	4050.127	-96.46	-95.822	-94.661	-96.356
11/13/2023@09:20:00.000 AM	1028.045	1355.775	1412.751	1273.675	4016.213	-97.03	-96.218	-94.811	-96.668
11/13/2023@09:30:00.000 AM	907.175	1382.966	1421.022	1304.387	4082.712	-97.492	-97.063	-96.066	-97.5
11/13/2023@09:40:00.000 AM	914.997	1341.841	1353.116	1254.996	3922.035	-97.029	-96.686	-95.901	-97.241
11/13/2023@09:50:00.000 AM	907.038	1268.587	1343.399	1215.953	3792.311	-97.067	-96.541	-94.9	-97.098
11/13/2023@10:00:00.000 AM	838.968	1266.041	1310.255	1198.97	3736.877	-97.004	-96.702	-95.609	-97.447
11/13/2023@10:10:00.000 AM	828.833	1255.317	1346.864	1201.744	3765.621	-97.398	-96.93	-95.287	-97.548
11/13/2023@10:20:00.000 AM	865.241	1309.105	1408.962	1269.516	3955.711	-97.635	-97.223	-95.465	-97.578
11/13/2023@10:30:00.000 AM	811.333	1278.553	1348.259	1217.572	3809.913	-97.492	-97.134	-95.8	-97.706
11/13/2023@10:40:00.000 AM	857.307	1324.184	1376.756	1257.084	3927.645	-97.404	-97.086	-95.975	-97.589

11/13/2023@10:50:00.000 AM	717.826	1266.416	1310.571	1200.554	3745.919	-97.741	-97.571	-96.618	-98.147
11/13/2023@11:00:00.000 AM	1028.304	1366.602	1421.164	1295.734	4055.28	-96.677	-96.361	-95.088	-96.732
11/13/2023@11:10:00.000 AM	1149.852	1427.184	1477.345	1356.191	4233.333	-96.153	-95.985	-94.668	-96.24
11/13/2023@11:20:00.000 AM	1192.565	1490.729	1547.158	1421.132	4432.138	-96.242	-96.139	-94.752	-96.312
11/13/2023@11:30:00.000 AM	1165.593	1495.818	1590.825	1422.591	4483.576	-96.804	-96.478	-94.659	-96.562
11/13/2023@11:40:00.000 AM	1040.625	1428.923	1473.889	1351.169	4222.914	-96.661	-96.534	-95.375	-96.916
11/13/2023@11:50:00.000 AM	1187.507	1485.42	1527.703	1406.1	4392.562	-96.13	-96.051	-94.851	-96.276
11/13/2023@12:00:00.000 PM	1224.307	1514.488	1564.181	1435.92	4488.114	-96.121	-96.037	-94.711	-96.207
11/13/2023@12:10:00.000 PM	1229.753	1524.265	1606.552	1443.948	4547.108	-96.433	-96.056	-94.503	-96.273
11/13/2023@12:20:00.000 PM	1260.431	1575.643	1617.25	1502.658	4672.213	-96.108	-96.272	-95.011	-96.292
11/13/2023@12:30:00.000 PM	1172.686	1519.222	1567.662	1444.458	4508.452	-96.398	-96.589	-95.163	-96.558
11/13/2023@12:40:00.000 PM	1099.402	1464.35	1551.926	1392.117	4378.44	-96.818	-96.656	-94.847	-96.796
11/13/2023@12:50:00.000 PM	963.612	1384.383	1475.459	1323.72	4150.826	-97.131	-97.028	-95.273	-97.268
11/13/2023@01:00:00.000 PM	974.312	1414.492	1445.889	1334.342	4162.687	-96.749	-96.831	-95.813	-97.222
11/13/2023@01:10:00.000 PM	932.269	1364.54	1421.697	1300.339	4055.54	-96.979	-97.034	-95.674	-97.322
11/13/2023@01:20:00.000 PM	1001.131	1373.896	1412.598	1298.743	4053.5	-96.439	-96.581	-95.373	-96.902

11/13/2023@01:30:00.000 PM	1170.219	1490.673	1542.631	1407.962	4414.177	-96.278	-96.245	-94.912	-96.422
11/13/2023@01:40:00.000 PM	1076.861	1420.915	1465.321	1336.278	4191.977	-96.338	-96.338	-95.097	-96.644
11/13/2023@01:50:00.000 PM	1173.118	1470.23	1502.388	1381.888	4325.404	-95.922	-96.001	-94.848	-96.252
11/13/2023@02:00:00.000 PM	1125.81	1423.138	1451.487	1331.082	4175.898	-95.94	-95.961	-94.889	-96.297
11/13/2023@02:10:00.000 PM	1133.77	1425.325	1452.96	1339.941	4187.98	-95.856	-95.983	-94.836	-96.266
11/13/2023@02:20:00.000 PM	1167.796	1467.653	1496.434	1383.49	4319.95	-95.94	-96.068	-94.937	-96.277
11/13/2023@02:30:00.000 PM	1113.724	1460.908	1497.966	1378.019	4308.93	-96.285	-96.374	-95.226	-96.602
11/13/2023@02:40:00.000 PM	1140.766	1475.064	1508.695	1392.097	4347.341	-96.131	-96.28	-95.139	-96.496
11/13/2023@02:50:00.000 PM	1070.202	1425.756	1451.431	1336.683	4182.245	-96.213	-96.297	-95.276	-96.671
11/13/2023@03:00:00.000 PM	1054.447	1481.928	1522.752	1401.622	4379.349	-96.784	-96.827	-95.732	-97.058
11/13/2023@03:10:00.000 PM	1052.661	1477.431	1511.841	1398.877	4362.361	-96.736	-96.845	-95.799	-97.045
11/13/2023@03:20:00.000 PM	952.03	1376.848	1474.65	1307.13	4126.406	-97.278	-96.995	-95.276	-97.302
11/13/2023@03:30:00.000 PM	814.462	1321.599	1372.352	1238.763	3902.164	-97.472	-97.313	-96.27	-97.798
11/13/2023@03:40:00.000 PM	733.255	1338.814	1376.221	1260.584	3947.747	-97.838	-97.84	-96.994	-98.26
11/13/2023@03:50:00.000 PM	860.138	1373.466	1425.129	1306.511	4080.081	-97.493	-97.519	-96.408	-97.753
11/13/2023@04:00:00.000 PM	706.964	1299.194	1331.868	1224.916	3827.229	-97.778	-97.83	-96.992	-98.279

11/13/2023@04:10:00.000 PM	868.642	1303.265	1383.086	1242.4	3901.579	-97.472	-97.203	-95.696	-97.49
11/13/2023@04:20:00.000 PM	974.654	1403.485	1467.533	1339.895	4182.867	-97.088	-97.015	-95.633	-97.247
11/13/2023@04:30:00.000 PM	1006.973	1421.213	1476.923	1350.274	4221.257	-96.959	-96.847	-95.613	-97.113
11/13/2023@04:40:00.000 PM	944.247	1362.823	1418.401	1292.698	4043.142	-96.999	-96.841	-95.6	-97.235
11/13/2023@04:50:00.000 PM	948.973	1379.376	1449.795	1315.089	4112.038	-97.145	-96.934	-95.484	-97.301
11/13/2023@05:00:00.000 PM	1036.883	1426.008	1509.102	1360.015	4266.419	-97.08	-96.705	-95.202	-97.002
11/13/2023@05:10:00.000 PM	1005.918	1372.536	1450.836	1312.396	4110.807	-97.09	-96.748	-95.214	-96.96
11/13/2023@05:20:00.000 PM	1101.999	1461.946	1554.524	1409.156	4398.067	-96.93	-96.762	-94.845	-96.81
11/13/2023@05:30:00.000 PM	1089.201	1470.736	1538.454	1417.135	4398.37	-96.828	-96.718	-95.215	-96.885
11/13/2023@05:40:00.000 PM	1035.739	1433.439	1541.174	1394.396	4341.147	-97.272	-97.106	-95.014	-97.112
11/13/2023@05:50:00.000 PM	1013.844	1433.397	1512.45	1388.041	4306.232	-97.187	-97.021	-95.437	-97.189
11/13/2023@06:00:00.000 PM	958.359	1425.903	1505.678	1387.859	4291.216	-97.403	-97.311	-95.743	-97.474
11/13/2023@06:10:00.000 PM	923.47	1402.037	1477.333	1362.415	4211.916	-97.432	-97.36	-95.791	-97.567
11/13/2023@06:20:00.000 PM	985.914	1406.343	1519.422	1380.947	4276.548	-97.418	-97.235	-95.146	-97.306
11/13/2023@06:30:00.000 PM	725.853	1322.464	1407.206	1286.668	3986.45	-98.177	-98.032	-96.524	-98.328
11/13/2023@06:40:00.000 PM	788.824	1299.459	1379.674	1260.954	3909.508	-97.821	-97.632	-96.034	-97.943

11/13/2023@06:50:00.000 PM	751.905	1317.251	1400.163	1282.483	3972.941	-98.14	-97.955	-96.443	-98.193
11/13/2023@07:00:00.000 PM	814.67	1338.863	1447.567	1310.153	4069.254	-98.122	-97.788	-95.989	-97.975
11/13/2023@07:10:00.000 PM	871.314	1367.834	1478.376	1350.335	4170.977	-97.972	-97.739	-95.821	-97.794
11/13/2023@07:20:00.000 PM	860.208	1377.985	1469.488	1350.409	4167.908	-97.829	-97.636	-95.923	-97.847
11/13/2023@07:30:00.000 PM	905.583	1390.616	1493.858	1369.753	4225.847	-97.791	-97.565	-95.659	-97.677
11/13/2023@07:40:00.000 PM	938.869	1411.095	1513.946	1376.321	4273.344	-97.75	-97.384	-95.563	-97.557
11/13/2023@07:50:00.000 PM	926.899	1420.823	1518.148	1394.588	4307.078	-97.751	-97.586	-95.784	-97.657
11/13/2023@08:00:00.000 PM	870.759	1400.186	1484.618	1358.787	4219.009	-97.999	-97.659	-96.125	-97.847
11/13/2023@08:10:00.000 PM	927.978	1422.394	1488.819	1373.932	4258.533	-97.696	-97.421	-95.794	-97.597
11/13/2023@08:20:00.000 PM	936.153	1415.791	1493.03	1374.375	4257.892	-97.735	-97.43	-95.704	-97.553
11/13/2023@08:30:00.000 PM	991.211	1439.25	1528.45	1389.569	4329.605	-97.655	-97.14	-95.309	-97.344
11/13/2023@08:40:00.000 PM	1028.708	1465.04	1562.343	1418.708	4420.821	-97.626	-97.237	-95.16	-97.255
11/13/2023@08:50:00.000 PM	1023.402	1479.544	1548.9	1433.839	4438.542	-97.464	-97.345	-95.488	-97.306
11/13/2023@09:00:00.000 PM	1122.015	1512.67	1591.351	1476.348	4557.613	-97.203	-97.07	-94.982	-96.922
11/13/2023@09:10:00.000 PM	1117.008	1486.318	1560.841	1461.337	4482.503	-97.014	-96.924	-94.867	-96.845
11/13/2023@09:20:00.000 PM	1064.164	1444.998	1524.992	1412.636	4356.089	-97.2	-96.946	-94.939	-96.97

11/13/2023@09:30:00.000 PM	1084.055	1454.122	1515.215	1427.367	4371.753	-96.962	-96.933	-95.037	-96.877
11/13/2023@09:40:00.000 PM	1080.132	1453.819	1504.206	1419.12	4353.622	-97.008	-96.895	-95.106	-96.873
11/13/2023@09:50:00.000 PM	1022.382	1442.512	1520.966	1409.072	4345.81	-97.483	-97.161	-95.087	-97.193
11/13/2023@10:00:00.000 PM	1100.48	1517.985	1571.975	1480.232	4546.998	-97.194	-97.091	-95.268	-97.027
11/13/2023@10:10:00.000 PM	1026.18	1485.56	1549.979	1449.262	4460.818	-97.53	-97.331	-95.476	-97.318
11/13/2023@10:20:00.000 PM	1103.696	1496.79	1610.371	1466.417	4550.96	-97.566	-97.23	-94.719	-97.015
11/13/2023@10:30:00.000 PM	1080.224	1486.396	1558.531	1449.846	4470.598	-97.343	-97.063	-95.077	-97.037
11/13/2023@10:40:00.000 PM	1061.257	1470.668	1556.329	1424.479	4426.724	-97.543	-97.006	-95.007	-97.084
11/13/2023@10:50:00.000 PM	52.748	1067.233	1102.612	1019.403	3150.12	98.829	-99.023	-98.401	-99.986
11/13/2023@11:00:00.000 PM	112.288	1045.424	1082.127	1000.034	3087.98	98.787	-98.961	-98.227	-99.934
11/13/2023@11:10:00.000 PM	209.441	1083.209	1126.685	1031.882	3201.71	-98.783	-98.832	-98.005	-99.786
11/13/2023@11:20:00.000 PM	614.156	1215.699	1276.222	1171.604	3636.756	-98.53	-98.187	-96.756	-98.564
11/13/2023@11:30:00.000 PM	872.282	1341.668	1412.324	1311.215	4042.03	-97.855	-97.609	-95.738	-97.644
11/13/2023@11:40:00.000 PM	800.91	1308.896	1358.02	1264.842	3911.536	-98.114	-97.735	-96.233	-97.881
11/13/2023@11:50:00.000 PM	771.4	1264.81	1316.138	1225.892	3785.223	-98.066	-97.767	-96.15	-97.901
11/14/2023@12:00:00.000 AM	972.466	1326.907	1375.023	1292.096	3974.556	-97.208	-97.032	-95.17	-96.961

11/14/2023@12:10:00.000 AM	1149.836	1393.248	1461.045	1351.693	4185.541	-96.652	-96.247	-94.081	-96.153
11/14/2023@12:20:00.000 AM	1147.116	1471.986	1527.933	1419.52	4402.498	-97.016	-96.626	-94.82	-96.546
11/14/2023@12:30:00.000 AM	1165.169	1493.651	1541.371	1450.872	4469.244	-96.872	-96.72	-94.905	-96.542
11/14/2023@12:40:00.000 AM	1048.236	1445.739	1488.551	1395.302	4314.392	-97.323	-97.09	-95.524	-97.004
11/14/2023@12:50:00.000 AM	936.019	1380.426	1432.729	1327.988	4120.958	-97.675	-97.302	-95.697	-97.386
11/14/2023@01:00:00.000 AM	926.349	1363.278	1421.34	1306.906	4070.674	-97.742	-97.245	-95.583	-97.376
11/14/2023@01:10:00.000 AM	1000.182	1385.029	1442.685	1332.214	4138.944	-97.41	-96.97	-95.192	-97.036
11/14/2023@01:20:00.000 AM	1121.335	1441.292	1500.744	1396.931	4320.978	-96.999	-96.703	-94.754	-96.574
11/14/2023@01:30:00.000 AM	1101.34	1448.462	1498.323	1407.905	4337.446	-97.024	-96.881	-95.059	-96.723
11/14/2023@01:40:00.000 AM	1150.467	1464.833	1505.057	1421.734	4374.743	-96.737	-96.647	-94.893	-96.48
11/14/2023@01:50:00.000 AM	1129.654	1443.464	1493.247	1390.108	4306.725	-96.849	-96.507	-94.731	-96.499
11/14/2023@02:00:00.000 AM	1096.271	1426.987	1467.056	1374.943	4248.843	-96.84	-96.613	-94.965	-96.614
11/14/2023@02:10:00.000 AM	952.735	1160.426	1212.977	1114.926	3467.613	-96.674	-96.03	-93.953	-96.151
11/14/2023@02:20:00.000 AM	1088.413	1375.785	1428.216	1321.812	4107.528	-96.891	-96.432	-94.6	-96.425
11/14/2023@02:30:00.000 AM	1065.309	1445.85	1491.358	1382.581	4301.765	-97.264	-96.824	-95.291	-96.885
11/14/2023@02:40:00.000 AM	1018.026	1408.415	1447.76	1349.536	4185.901	-97.241	-96.919	-95.404	-96.998

11/14/2023@02:50:00.000 AM	942.037	1342.231	1384.839	1289.216	3994.305	-97.374	-97.039	-95.47	-97.179
11/14/2023@03:00:00.000 AM	1122.006	1362.207	1415.218	1319.241	4076.502	-96.492	-96.22	-94.214	-96.138
11/14/2023@03:10:00.000 AM	972.38	1359.76	1400.712	1301.833	4042.805	-97.341	-96.96	-95.434	-97.064
11/14/2023@03:20:00.000 AM	985.164	1353.734	1392.851	1303.073	4029.688	-97.169	-96.917	-95.32	-96.966
11/14/2023@03:30:00.000 AM	1040.353	1387.864	1427.461	1336.057	4132.461	-97.027	-96.772	-95.159	-96.779
11/14/2023@03:40:00.000 AM	971.286	1334.059	1366.032	1274.171	3951.407	-97.046	-96.739	-95.28	-96.932
11/14/2023@03:50:00.000 AM	895.553	1317.042	1345.555	1254.406	3893.423	-97.365	-97.057	-95.722	-97.319
11/14/2023@04:00:00.000 AM	925.137	1328.087	1363.196	1266.856	3935.075	-97.335	-96.96	-95.539	-97.197
11/14/2023@04:10:00.000 AM	1010.789	1391.891	1427.669	1335.395	4134.885	-97.155	-96.889	-95.394	-96.966
11/14/2023@04:20:00.000 AM	1016.572	1411.755	1448.884	1352.445	4192.274	-97.195	-96.921	-95.437	-97.015
11/14/2023@04:30:00.000 AM	972.989	1379.696	1416.464	1317.097	4092.271	-97.322	-96.98	-95.551	-97.132
11/14/2023@04:40:00.000 AM	905.197	1321.573	1355.429	1252.62	3907.046	-97.453	-96.984	-95.662	-97.279
11/14/2023@04:50:00.000 AM	989.76	1353.169	1397.541	1294.127	4023.621	-97.214	-96.778	-95.2	-96.927
11/14/2023@05:00:00.000 AM	944.277	1303.976	1342.489	1242.168	3864.682	-97.146	-96.7	-95.204	-96.969
11/14/2023@05:10:00.000 AM	994.849	1329.552	1366.362	1267.284	3941.33	-96.974	-96.582	-95.063	-96.762
11/14/2023@05:20:00.000 AM	1044.849	1361.35	1402.922	1307.19	4049.788	-96.83	-96.541	-94.866	-96.614

11/14/2023@05:30:00.000 AM	1072.495	1383.733	1423.721	1322.58	4108.914	-96.805	-96.408	-94.842	-96.533
11/14/2023@05:40:00.000 AM	1087.251	1359.704	1404.955	1299.231	4040.586	-96.61	-96.156	-94.44	-96.312
11/14/2023@05:50:00.000 AM	1076.279	1359.623	1404.02	1299.066	4039.19	-96.665	-96.223	-94.521	-96.385
11/14/2023@06:00:00.000 AM	1024.129	1370.906	1407.964	1324.319	4080.887	-96.895	-96.765	-95.108	-96.8
11/14/2023@06:10:00.000 AM	1026.069	1335.798	1381.81	1279.748	3973.48	-96.855	-96.46	-94.709	-96.608
11/14/2023@06:20:00.000 AM	1108.823	1366.411	1428.03	1332.832	4104.832	-96.544	-96.439	-94.226	-96.282
11/14/2023@06:30:00.000 AM	1100.483	1407.009	1462.73	1351.554	4199.832	-96.895	-96.453	-94.627	-96.506
11/14/2023@06:40:00.000 AM	1105.321	1387.056	1438.317	1328.454	4130.42	-96.689	-96.24	-94.426	-96.353
11/14/2023@06:50:00.000 AM	960.882	1332.856	1413.453	1291.943	4012.199	-97.47	-96.993	-94.845	-97.09
11/14/2023@07:00:00.000 AM	1062.774	1386.273	1487.362	1365.535	4216.12	-97.267	-96.961	-94.427	-96.771
11/14/2023@07:10:00.000 AM	993.109	1377.369	1420.522	1333.078	4107.888	-97.127	-97.016	-95.275	-97.034
11/14/2023@07:20:00.000 AM	992.539	1384.59	1429.576	1329.247	4120.259	-97.24	-96.936	-95.3	-97.055
11/14/2023@07:30:00.000 AM	900.625	1353.657	1387.068	1307.017	4025.07	-97.473	-97.37	-95.865	-97.465
11/14/2023@07:40:00.000 AM	863.508	1305.334	1348.828	1268.057	3898.651	-97.536	-97.45	-95.754	-97.516
11/14/2023@07:50:00.000 AM	883.309	1344.454	1402.608	1309.057	4034.524	-97.756	-97.559	-95.793	-97.574
11/14/2023@08:00:00.000 AM	951.192	1415.904	1462.63	1371.035	4229.751	-97.619	-97.426	-95.858	-97.439

11/14/2023@08:10:00.000 AM	917.15	1389.68	1435.049	1350.248	4155.365	-97.674	-97.549	-95.957	-97.534
11/14/2023@08:20:00.000 AM	864.364	1338.635	1383.864	1296.492	3998.287	-97.757	-97.59	-95.999	-97.635
11/14/2023@08:30:00.000 AM	858.717	1341.708	1381.554	1290.638	3995.563	-97.855	-97.566	-96.18	-97.663
11/14/2023@08:40:00.000 AM	909.825	1409.201	1453.098	1369.431	4214.923	-97.826	-97.685	-96.21	-97.642
11/14/2023@08:50:00.000 AM	794.65	1373.059	1409.06	1347.373	4111.556	-98.071	-98.175	-96.79	-98.115
11/14/2023@09:00:00.000 AM	744.521	1353.202	1395.074	1307.206	4038.047	-98.393	-98.203	-96.952	-98.286
11/14/2023@09:10:00.000 AM	2594.742	1297.596	1375.711	1344.742	4006.735	-76.24	-79.175	-72.472	-76.198
11/14/2023@09:20:00.000 AM	595.51	1227.357	1287.553	1174.729	3664.997	-98.602	-98.334	-97.043	-98.671
11/14/2023@09:30:00.000 AM	699.279	1367.224	1403.216	1317.68	4068.51	-98.442	-98.351	-97.289	-98.512
11/14/2023@09:40:00.000 AM	677.043	1316.249	1386.687	1282.313	3963.304	-98.575	-98.399	-96.939	-98.53
11/14/2023@09:50:00.000 AM	686.146	1322.821	1394.909	1284.824	3979.168	-98.524	-98.345	-96.857	-98.502
11/14/2023@10:00:00.000 AM	634.767	1275.968	1342.755	1235.392	3825.094	-98.39	-98.248	-96.925	-98.613
11/14/2023@10:10:00.000 AM	652.489	1307.874	1375.959	1264.157	3922.065	-98.467	-98.304	-97.057	-98.606
11/14/2023@10:20:00.000 AM	673.836	1323.61	1376.593	1279.44	3954.628	-98.329	-98.274	-97.11	-98.538
11/14/2023@10:30:00.000 AM	695.415	1376.583	1436.127	1336.017	4125.429	-98.444	-98.373	-97.189	-98.569
11/14/2023@10:40:00.000 AM	720.091	1382.638	1440.588	1345.204	4145.571	-98.349	-98.325	-97.107	-98.48

11/14/2023@10:50:00.000 AM	671.266	1336.145	1385.798	1290.293	3985.497	-98.302	-98.28	-97.121	-98.571
11/14/2023@11:00:00.000 AM	638.498	1321.99	1373.17	1277.395	3946.483	-98.431	-98.389	-97.245	-98.683
11/14/2023@11:10:00.000 AM	693.235	1363.768	1434.026	1318.421	4092.934	-98.506	-98.347	-97.092	-98.555
11/14/2023@11:20:00.000 AM	692.084	1393.185	1446.667	1351.97	4168.74	-98.448	-98.422	-97.302	-98.612
11/14/2023@11:30:00.000 AM	657.931	1354.671	1447.758	1311.723	4089.474	-98.685	-98.492	-97.079	-98.697
11/14/2023@11:40:00.000 AM	615.109	1331.897	1402.869	1287.618	3995.68	-98.59	-98.533	-97.284	-98.808
11/14/2023@11:50:00.000 AM	589.707	1315.672	1367.542	1264.732	3921.243	-98.591	-98.512	-97.437	-98.863
11/14/2023@12:00:00.000 PM	625.895	1335.251	1382.82	1284.433	3978.51	-98.535	-98.487	-97.426	-98.755
11/14/2023@12:10:00.000 PM	673.635	1376.743	1453.297	1329.186	4135.179	-98.613	-98.441	-97.176	-98.664
11/14/2023@12:20:00.000 PM	688.775	1387.259	1431.737	1339.697	4135.561	-98.393	-98.401	-97.335	-98.603
11/14/2023@12:30:00.000 PM	610.027	1346.068	1391.761	1300.892	4012.36	-98.509	-98.547	-97.485	-98.837
11/14/2023@12:40:00.000 PM	568.174	1351.443	1393.996	1309.326	4028.625	-98.614	-98.726	-97.714	-99
11/14/2023@12:50:00.000 PM	562.567	1331.904	1375.562	1287.006	3967.513	-98.599	-98.663	-97.669	-98.99
11/14/2023@01:00:00.000 PM	573.905	1331.555	1374.002	1289.186	3969.722	-98.6	-98.68	-97.678	-98.949
11/14/2023@01:10:00.000 PM	684.859	1364.723	1438.735	1329.234	4105.767	-98.399	-98.407	-97.015	-98.599
11/14/2023@01:20:00.000 PM	667.552	1339.665	1382.86	1288.053	3984.241	-98.28	-98.297	-97.2	-98.586

11/14/2023@01:30:00.000 PM	661.693	1328.202	1377.247	1276.456	3956.359	-98.339	-98.306	-97.189	-98.591
11/14/2023@01:40:00.000 PM	752.759	1383.562	1426.148	1340.032	4126.088	-98.059	-98.186	-97.003	-98.322
11/14/2023@01:50:00.000 PM	706.149	1372.567	1412.751	1325.408	4088.031	-98.25	-98.332	-97.242	-98.497
11/14/2023@02:00:00.000 PM	675.157	1364.417	1401.594	1316.016	4057.364	-98.269	-98.385	-97.342	-98.606
11/14/2023@02:10:00.000 PM	666.015	1349.025	1384.443	1300.866	4009.211	-98.26	-98.351	-97.346	-98.611
11/14/2023@02:20:00.000 PM	661.924	1332.834	1385.713	1286.758	3981.405	-98.401	-98.359	-97.26	-98.608
11/14/2023@02:30:00.000 PM	742.819	1411.612	1446.942	1372.838	4209.68	-98.151	-98.342	-97.256	-98.431
11/14/2023@02:40:00.000 PM	699.053	1398.462	1460.797	1357.899	4194.352	-98.439	-98.469	-97.254	-98.601
11/14/2023@02:50:00.000 PM	573.301	1353.944	1417.852	1308.356	4054.879	-98.717	-98.754	-97.633	-98.995
11/14/2023@03:00:00.000 PM	524.708	1268.524	1355.128	1229.484	3822.982	-98.777	-98.665	-97.337	-99.054
11/14/2023@03:10:00.000 PM	553.084	1281.536	1326.381	1230.832	3809.146	-98.476	-98.522	-97.494	-98.94
11/14/2023@03:20:00.000 PM	629.333	1321.508	1386.849	1276.155	3958.767	-98.501	-98.462	-97.261	-98.728
11/14/2023@03:30:00.000 PM	726.788	1374.099	1438.105	1334.22	4122.778	-98.304	-98.282	-96.987	-98.434
11/14/2023@03:40:00.000 PM	776.259	1409.926	1456.264	1370.599	4214.791	-98.11	-98.193	-96.998	-98.289
11/14/2023@03:50:00.000 PM	757.793	1376.469	1420.127	1331.125	4105.212	-98.104	-98.115	-96.981	-98.282
11/14/2023@04:00:00.000 PM	723.423	1339.812	1407.439	1300.349	4023.328	-98.255	-98.203	-96.833	-98.37

11/14/2023@04:10:00.000 PM	656.963	1330.9	1398.658	1292.055	3997.613	-98.482	-98.457	-97.17	-98.64
11/14/2023@04:20:00.000 PM	717.611	1359.695	1405.602	1318.09	4060.115	-98.212	-98.259	-97.085	-98.426
11/14/2023@04:30:00.000 PM	676.036	1354.195	1401.054	1315.466	4048.639	-98.407	-98.432	-97.311	-98.596
11/14/2023@04:40:00.000 PM	727.31	1343.968	1396.122	1304.932	4021.696	-98.206	-98.182	-96.923	-98.351
11/14/2023@04:50:00.000 PM	665.472	1311.75	1363.765	1270.178	3921.458	-98.351	-98.322	-97.119	-98.55
11/14/2023@05:00:00.000 PM	659.11	1311.593	1365.831	1268.614	3921.479	-98.388	-98.329	-97.132	-98.577
11/14/2023@05:10:00.000 PM	743.276	1372.176	1443	1335.89	4129.709	-98.355	-98.257	-96.925	-98.367
11/14/2023@05:20:00.000 PM	726.578	1348.535	1419.851	1313.301	4059.694	-98.346	-98.263	-96.911	-98.385
11/14/2023@05:30:00.000 PM	712.63	1312.057	1385.858	1277.585	3952.671	-98.34	-98.22	-96.779	-98.361
11/14/2023@05:40:00.000 PM	741.839	1367.754	1416.783	1326.67	4090.689	-98.287	-98.205	-97.024	-98.342
11/14/2023@05:50:00.000 PM	643.101	1328.316	1379.548	1281.487	3967.598	-98.601	-98.439	-97.339	-98.678
11/14/2023@06:00:00.000 PM	674.552	1351.411	1389.149	1303.05	4023.306	-98.503	-98.423	-97.305	-98.584
11/14/2023@06:10:00.000 PM	611.876	1319.805	1369.021	1265.913	3932.044	-98.653	-98.55	-97.396	-98.782
11/14/2023@06:20:00.000 PM	661.804	1315.444	1389.954	1257.898	3938.843	-98.591	-98.343	-96.908	-98.578
11/14/2023@06:30:00.000 PM	716.714	1327.762	1372.348	1279.641	3958.153	-98.292	-98.198	-96.904	-98.347
11/14/2023@06:40:00.000 PM	787.91	1368.161	1409.117	1322.626	4079.405	-98.09	-98.023	-96.724	-98.117

11/14/2023@06:50:00.000 PM	835.403	1410.033	1446.42	1365.4	4203.342	-98.011	-97.975	-96.701	-98.005
11/14/2023@07:00:00.000 PM	771.419	1359.553	1398.242	1312.573	4049.873	-98.139	-98.05	-96.794	-98.169
11/14/2023@07:10:00.000 PM	685.36	1316.77	1357.286	1272.998	3925.734	-98.395	-98.288	-97.075	-98.464
11/14/2023@07:20:00.000 PM	678.418	1327.829	1377.694	1272.055	3955.571	-98.533	-98.257	-97.082	-98.518
11/14/2023@07:30:00.000 PM	701.865	1343.389	1406.983	1298.411	4027.056	-98.551	-98.301	-96.92	-98.469
11/14/2023@07:40:00.000 PM	810.866	1435.114	1466.182	1379.141	4261.297	-98.178	-98.042	-96.944	-98.173
11/14/2023@07:50:00.000 PM	777.37	1410.031	1458.439	1362.756	4211.043	-98.32	-98.176	-96.899	-98.281
11/14/2023@08:00:00.000 PM	727.963	1350.527	1387.66	1301.756	4018.914	-98.286	-98.181	-96.995	-98.346
11/14/2023@08:10:00.000 PM	730.54	1334.94	1416.836	1314.331	4042.74	-98.445	-98.296	-96.575	-98.354
11/14/2023@08:20:00.000 PM	771.256	1421.764	1488.968	1377.934	4267.385	-98.462	-98.241	-96.843	-98.353
11/14/2023@08:30:00.000 PM	764.882	1399.136	1460.777	1359.161	4198.433	-98.41	-98.233	-96.847	-98.326
11/14/2023@08:40:00.000 PM	799.302	1402.959	1460.606	1374.277	4217.697	-98.232	-98.189	-96.703	-98.188
11/14/2023@08:50:00.000 PM	725.85	1336.111	1382.269	1294.973	3992.69	-98.343	-98.198	-96.9	-98.334
11/14/2023@09:00:00.000 PM	753.967	1346.178	1403.204	1299.556	4028.438	-98.372	-98.073	-96.712	-98.233
11/14/2023@09:10:00.000 PM	807.926	1376.247	1430.652	1346.703	4132.855	-98.097	-98.062	-96.542	-98.071
11/14/2023@09:20:00.000 PM	773.976	1344.275	1405.073	1310.265	4037.503	-98.205	-98.053	-96.528	-98.145

11/14/2023@09:30:00.000 PM	797.076	1378.327	1437.962	1352.098	4147.46	-98.176	-98.126	-96.587	-98.136
11/14/2023@09:40:00.000 PM	823.809	1374.502	1446.542	1347.182	4146.236	-98.154	-97.97	-96.295	-98.006
11/14/2023@09:50:00.000 PM	830.823	1403.902	1449.503	1367.841	4201.748	-98.07	-98.003	-96.607	-98.026
11/14/2023@10:00:00.000 PM	727.865	1351.051	1396.939	1308.463	4034.636	-98.315	-98.207	-96.927	-98.359
11/14/2023@10:10:00.000 PM	714.174	1337.839	1383.838	1298.095	3997.628	-98.322	-98.244	-96.941	-98.391
11/14/2023@10:20:00.000 PM	689.006	1316.74	1362.853	1260.095	3915.56	-98.38	-98.142	-96.939	-98.44
11/14/2023@10:30:00.000 PM	807.445	1378.011	1422.211	1332.024	4110	-98.049	-97.906	-96.571	-98.051
11/14/2023@10:40:00.000 PM	802.839	1387.296	1436.547	1338.383	4140.279	-98.156	-97.925	-96.627	-98.102
11/14/2023@10:50:00.000 PM	809.719	1419.752	1464.52	1378.503	4241.572	-98.137	-98.073	-96.77	-98.161
11/14/2023@11:00:00.000 PM	778.917	1370.267	1432.087	1345.623	4125.273	-98.17	-98.181	-96.598	-98.201
11/14/2023@11:10:00.000 PM	870.937	1357.335	1453.342	1341.762	4127.527	-97.993	-97.786	-95.645	-97.748
11/14/2023@11:20:00.000 PM	916.978	1384.503	1443.1	1359.225	4165.047	-97.613	-97.611	-95.847	-97.546
11/14/2023@11:30:00.000 PM	957.563	1409.377	1466.922	1381.906	4237.09	-97.509	-97.505	-95.729	-97.413
11/14/2023@11:40:00.000 PM	980.954	1458.31	1523.513	1432.26	4394.065	-97.617	-97.612	-95.826	-97.476
11/14/2023@11:50:00.000 PM	935.682	1458.224	1555.781	1429.291	4421.316	-98.073	-97.766	-95.853	-97.735
11/15/2023@12:00:00.000 AM	919.81	1432.951	1506.122	1404.006	4322.623	-97.905	-97.771	-96.02	-97.71

11/15/2023@12:10:00.000 AM	906.48	1392.663	1454.271	1353.067	4178.239	-97.759	-97.601	-95.922	-97.618
11/15/2023@12:20:00.000 AM	846.096	1374.66	1440.827	1333.892	4127.154	-98.025	-97.796	-96.178	-97.876
11/15/2023@12:30:00.000 AM	912.924	1375.895	1430.072	1333.721	4116.692	-97.586	-97.452	-95.813	-97.51
11/15/2023@12:40:00.000 AM	1019.161	1456.399	1507.869	1429.835	4373.25	-97.26	-97.397	-95.656	-97.247
11/15/2023@12:50:00.000 AM	1004.869	1471.159	1526.062	1444.648	4421.281	-97.419	-97.527	-95.806	-97.383
11/15/2023@01:00:00.000 AM	1019.871	1464.385	1512.52	1430.022	4386.684	-97.295	-97.379	-95.721	-97.26
11/15/2023@01:10:00.000 AM	975.486	1420.498	1476.219	1376.991	4251.141	-97.434	-97.324	-95.64	-97.332
11/15/2023@01:20:00.000 AM	1019.812	1414.596	1464.416	1366.143	4223.273	-97.165	-97.018	-95.382	-97.041
11/15/2023@01:30:00.000 AM	990.607	1404.039	1456.238	1371.398	4207.398	-97.197	-97.24	-95.406	-97.189
11/15/2023@01:40:00.000 AM	1086.856	1482.448	1523.357	1442.021	4424.612	-96.904	-97.013	-95.327	-96.936
11/15/2023@01:50:00.000 AM	1113.9	1508.376	1568.924	1472.383	4530.421	-97.078	-97.214	-95.208	-96.93
11/15/2023@02:00:00.000 AM	982.068	1437.413	1498.503	1403.013	4314.245	-97.413	-97.402	-95.592	-97.375
11/15/2023@02:10:00.000 AM	990.488	1419.442	1466.906	1380.739	4241.5	-97.166	-97.226	-95.514	-97.235
11/15/2023@02:20:00.000 AM	863.526	1365.085	1415.182	1324.452	4077.142	-97.619	-97.583	-95.971	-97.731
11/15/2023@02:30:00.000 AM	956.744	1400.985	1455.38	1358.587	4188.299	-97.343	-97.285	-95.535	-97.356
11/15/2023@02:40:00.000 AM	975.908	1405.518	1455.085	1361.278	4197.349	-97.269	-97.221	-95.539	-97.26

11/15/2023@02:50:00.000 AM	959.831	1414.37	1467.357	1358.308	4215.558	-97.472	-97.224	-95.678	-97.373
11/15/2023@03:00:00.000 AM	1011.324	1405.701	1465.426	1369.252	4216.345	-97.165	-97.112	-95.257	-97.081
11/15/2023@03:10:00.000 AM	972.714	1367.903	1440.451	1327.673	4109.469	-97.323	-97.084	-95.125	-97.158
11/15/2023@03:20:00.000 AM	1035.656	1390.098	1475.166	1369.463	4208.713	-97.12	-97.044	-94.759	-96.925
11/15/2023@03:30:00.000 AM	1079.93	1417.816	1468.356	1372.271	4229.842	-96.664	-96.619	-94.765	-96.686
11/15/2023@03:40:00.000 AM	1082.435	1410.409	1478.33	1369.766	4227.478	-96.734	-96.573	-94.509	-96.666
11/15/2023@03:50:00.000 AM	1186.098	1476.388	1536.919	1440.238	4427.095	-96.422	-96.438	-94.395	-96.344
11/15/2023@04:00:00.000 AM	1182.97	1495.538	1533.083	1446.727	4449.924	-96.357	-96.423	-94.731	-96.402
11/15/2023@04:10:00.000 AM	1169.302	1481.836	1531.224	1437.519	4425.582	-96.493	-96.496	-94.668	-96.446
11/15/2023@04:20:00.000 AM	1153.152	1444.417	1491.015	1404.604	4311.006	-96.24	-96.385	-94.453	-96.356
11/15/2023@04:30:00.000 AM	1041.505	1384.048	1429.97	1340.51	4122.055	-96.563	-96.605	-94.77	-96.755
11/15/2023@04:40:00.000 AM	1127.806	1416.598	1466.14	1362.72	4211.809	-96.269	-96.156	-94.258	-96.348
11/15/2023@04:50:00.000 AM	1195.427	1472.658	1489.772	1406.824	4340.915	-95.966	-95.981	-94.534	-96.133
11/15/2023@05:00:00.000 AM	1208.845	1495.205	1536.528	1446.395	4450.641	-96.179	-96.263	-94.452	-96.241
11/15/2023@05:10:00.000 AM	1132.744	1463.745	1520.21	1422.647	4377.564	-96.563	-96.606	-94.642	-96.594
11/15/2023@05:20:00.000 AM	1110.771	1421.221	1464.54	1368.425	4222.392	-96.363	-96.318	-94.526	-96.478

11/15/2023@05:30:00.000 AM	1159.533	1426.655	1469.603	1382.025	4246.557	-96.052	-96.136	-94.213	-96.2
11/15/2023@05:40:00.000 AM	1222.432	1438.552	1494.002	1398.709	4299.817	-95.854	-95.88	-93.731	-95.874
11/15/2023@05:50:00.000 AM	1198.513	1452.844	1508.153	1403.518	4333.969	-96.156	-96.032	-94.024	-96.1
11/15/2023@06:00:00.000 AM	1226.32	1479.218	1542.739	1436.857	4430.508	-96.223	-96.147	-94.008	-96.093
11/15/2023@06:10:00.000 AM	1253.028	1516.438	1574.309	1485.718	4550.769	-96.173	-96.35	-94.204	-96.135
11/15/2023@06:20:00.000 AM	1246.405	1489.875	1574.739	1456.905	4495.859	-96.392	-96.25	-93.886	-96.08
11/15/2023@06:30:00.000 AM	1165.866	1431.019	1529.097	1395.366	4326.587	-96.701	-96.328	-93.868	-96.301
11/15/2023@06:40:00.000 AM	1145.408	1429.726	1499.676	1388.584	4287.248	-96.454	-96.332	-94.176	-96.365
11/15/2023@06:50:00.000 AM	1155.964	1417.916	1490.137	1374.682	4250.462	-96.351	-96.159	-93.926	-96.231
11/15/2023@07:00:00.000 AM	1162.619	1412.546	1466.542	1369.25	4216.335	-96.081	-96.044	-94.004	-96.123
11/15/2023@07:10:00.000 AM	1139.162	1441.368	1512.237	1411.869	4335.393	-96.533	-96.555	-94.309	-96.486
11/15/2023@07:20:00.000 AM	1182.909	1459.207	1520.55	1420.832	4372.245	-96.336	-96.337	-94.212	-96.271
11/15/2023@07:30:00.000 AM	1167.516	1484.2	1538.955	1452.902	4450.013	-96.502	-96.631	-94.62	-96.497
11/15/2023@07:40:00.000 AM	1112.255	1435.733	1516.566	1410.03	4333.541	-96.751	-96.751	-94.465	-96.65
11/15/2023@07:50:00.000 AM	1056.089	1419.483	1481.469	1374.79	4245.146	-96.878	-96.748	-94.794	-96.856
11/15/2023@08:00:00.000 AM	984.222	1382.631	1440.259	1333.761	4126.598	-97.12	-96.915	-95.135	-97.114

11/15/2023@08:10:00.000 AM	920.559	1383.505	1430.005	1339.616	4123.536	-97.316	-97.306	-95.67	-97.476
11/15/2023@08:20:00.000 AM	890.726	1339.432	1383.432	1302.043	3996.276	-97.299	-97.341	-95.684	-97.484
11/15/2023@08:30:00.000 AM	885.342	1373.532	1412.469	1335.473	4096.435	-97.492	-97.548	-96.048	-97.637
11/15/2023@08:40:00.000 AM	856.749	1298.597	1343.218	1249.052	3862.82	-97.409	-97.228	-95.727	-97.509
11/15/2023@08:50:00.000 AM	839.971	1281.463	1336.467	1241.396	3831.822	-97.52	-97.344	-95.697	-97.568
11/15/2023@09:00:00.000 AM	872.165	1281.646	1328.828	1244.203	3826.329	-97.222	-97.179	-95.501	-97.368
11/15/2023@09:10:00.000 AM	857.778	1307.454	1371.78	1275.156	3927.572	-97.587	-97.485	-95.641	-97.586
11/15/2023@09:20:00.000 AM	847.308	1286.661	1365.821	1252.42	3879.483	-97.765	-97.471	-95.546	-97.586
11/15/2023@09:30:00.000 AM	779.237	1282.698	1332.346	1238.169	3828.96	-97.878	-97.695	-96.248	-97.907
11/15/2023@09:40:00.000 AM	811.79	1293.284	1340.315	1244.756	3854.613	-97.763	-97.54	-96.121	-97.757
11/15/2023@09:50:00.000 AM	756.891	1262.773	1312.218	1214.379	3763.949	-97.914	-97.687	-96.244	-97.957
11/15/2023@10:00:00.000 AM	790.703	1292	1333.739	1250.958	3853.195	-97.777	-97.737	-96.275	-97.872
11/15/2023@10:10:00.000 AM	703.805	1257.535	1397.081	1214.554	3837.85	-98.566	-98.046	-95.795	-98.304
11/15/2023@10:20:00.000 AM	695.294	1279.284	1351.508	1234.337	3840.542	-98.348	-98.071	-96.691	-98.348
11/15/2023@10:30:00.000 AM	713.29	1287.923	1355.755	1257.681	3875.537	-98.168	-98.095	-96.612	-98.292
11/15/2023@10:40:00.000 AM	742.732	1297.385	1371.682	1260.336	3903.429	-98.128	-97.958	-96.43	-98.173

11/15/2023@10:50:00.000 AM	714.192	1308.338	1358.051	1274.254	3917.652	-98.148	-98.182	-96.883	-98.324
11/15/2023@11:00:00.000 AM	698.602	1290.647	1357.468	1255.807	3878.411	-98.256	-98.14	-96.719	-98.364
11/15/2023@11:10:00.000 AM	740.321	1323.899	1388.812	1282.644	3971.269	-98.206	-98.051	-96.656	-98.247
11/15/2023@11:20:00.000 AM	783.19	1346.853	1400.614	1303.634	4026.656	-97.971	-97.92	-96.557	-98.09
11/15/2023@11:30:00.000 AM	737.133	1325.559	1408.818	1274.872	3983.792	-98.36	-97.993	-96.53	-98.273
11/15/2023@11:40:00.000 AM	755.531	1362.139	1434.894	1322.28	4094.573	-98.255	-98.097	-96.674	-98.283
11/15/2023@11:50:00.000 AM	748.298	1358.18	1421.132	1312.016	4066.987	-98.218	-98.084	-96.772	-98.293
11/15/2023@12:00:00.000 PM	856.506	1404.586	1460.04	1372.417	4215.032	-97.82	-97.897	-96.457	-97.914
11/15/2023@12:10:00.000 PM	836.245	1424.869	1485.769	1387.372	4276.419	-98.044	-98.018	-96.625	-98.069
11/15/2023@12:20:00.000 PM	792.933	1373.272	1447.673	1331.44	4129.553	-98.199	-98.01	-96.535	-98.139
11/15/2023@12:30:00.000 PM	853.142	1400.461	1482.141	1358.319	4218.654	-98.074	-97.865	-96.259	-97.934
11/15/2023@12:40:00.000 PM	827.44	1399.402	1453.375	1356.549	4188.16	-97.993	-97.958	-96.613	-98.029
11/15/2023@12:50:00.000 PM	776.162	1372.407	1442.159	1333.214	4125.019	-98.184	-98.118	-96.671	-98.214
11/15/2023@01:00:00.000 PM	792.924	1375.872	1427.771	1330.784	4111.573	-98.012	-97.994	-96.69	-98.123
11/15/2023@01:10:00.000 PM	761.025	1327.464	1392.529	1289.052	3983.309	-98.054	-97.99	-96.487	-98.158
11/15/2023@01:20:00.000 PM	747.231	1341.547	1391.194	1303.282	4010.256	-97.99	-98.081	-96.752	-98.249

11/15/2023@01:30:00.000 PM	787.809	1405.569	1452.109	1354.128	4187.892	-98.074	-98.033	-96.822	-98.215
11/15/2023@01:40:00.000 PM	775.632	1407.707	1455.13	1365.245	4204.596	-98.121	-98.149	-96.904	-98.284
11/15/2023@01:50:00.000 PM	795.134	1413.815	1450.306	1369.754	4211.739	-98.011	-98.099	-96.92	-98.202
11/15/2023@02:00:00.000 PM	789.453	1420.061	1454.323	1374.003	4225.49	-98.015	-98.117	-96.963	-98.239
11/15/2023@02:10:00.000 PM	760.076	1377.982	1420.117	1329.026	4102.593	-98.072	-98.055	-96.888	-98.269
11/15/2023@02:20:00.000 PM	754.501	1369.074	1410.31	1316.196	4070.249	-98.044	-98.024	-96.868	-98.267
11/15/2023@02:30:00.000 PM	776.262	1394.699	1469.512	1345.555	4185.508	-98.235	-98.132	-96.67	-98.265
11/15/2023@02:40:00.000 PM	737.393	1403.633	1438.839	1360.367	4180.608	-98.18	-98.329	-97.192	-98.432
11/15/2023@02:50:00.000 PM	677.463	1377.004	1400.412	1323.694	4076.655	-98.243	-98.36	-97.433	-98.61
11/15/2023@03:00:00.000 PM	653.519	1339.729	1373.754	1281.777	3969.049	-98.289	-98.33	-97.307	-98.635
11/15/2023@03:10:00.000 PM	684.237	1332.708	1361.598	1280.092	3948.94	-98.138	-98.207	-97.191	-98.487
11/15/2023@03:20:00.000 PM	758.698	1370.465	1417.131	1321.733	4087.176	-98.144	-98.108	-96.903	-98.262
11/15/2023@03:30:00.000 PM	805.179	1394.883	1437.37	1348.778	4159.281	-97.988	-97.998	-96.769	-98.108
11/15/2023@03:40:00.000 PM	816.159	1421.281	1467.911	1374.58	4242.17	-98.03	-98.034	-96.799	-98.132
11/15/2023@03:50:00.000 PM	764.152	1351.725	1395.564	1295.172	4018.48	-98.061	-97.909	-96.764	-98.175
11/15/2023@04:00:00.000 PM	716.13	1351.221	1391.332	1294.899	4012.84	-98.207	-98.107	-97.03	-98.395

11/15/2023@04:10:00.000 PM	784.071	1383.218	1422.571	1332.615	4116.646	-98.053	-98.014	-96.854	-98.169
11/15/2023@04:20:00.000 PM	821.399	1388.862	1425.274	1341.307	4132.636	-97.836	-97.865	-96.663	-98.005
11/15/2023@04:30:00.000 PM	769.311	1365.782	1430.757	1321.304	4094.473	-98.207	-98.059	-96.668	-98.219
11/15/2023@04:40:00.000 PM	801.319	1386.599	1423.781	1335.56	4122.37	-97.941	-97.905	-96.718	-98.093
11/15/2023@04:50:00.000 PM	846.944	1414.633	1460.039	1372.245	4224.646	-97.878	-97.87	-96.582	-97.97
11/15/2023@05:00:00.000 PM	817.787	1347.274	1436.665	1309.749	4069.289	-98.113	-97.853	-96.094	-97.96
11/15/2023@05:10:00.000 PM	781.862	1389.69	1434.854	1341.373	4143.663	-98.109	-98.028	-96.86	-98.204
11/15/2023@05:20:00.000 PM	753.486	1393.117	1443.59	1352.308	4167.221	-98.25	-98.242	-96.989	-98.352
11/15/2023@05:30:00.000 PM	672.456	1351.344	1403.596	1301.97	4033.95	-98.505	-98.356	-97.226	-98.601
11/15/2023@05:40:00.000 PM	255.993	963.358	997.437	914.043	2833.091	-98.356	-98.512	-97.522	-99.591
11/15/2023@05:50:00.000 PM	673.912	1301.877	1353.67	1252.47	3881.036	-98.285	-98.15	-96.921	-98.481
11/15/2023@06:00:00.000 PM	682.461	1312.793	1374.019	1267.435	3927.68	-98.32	-98.208	-96.873	-98.479
11/15/2023@06:10:00.000 PM	586.137	1212.704	1269.885	1168.284	3620.001	-98.327	-98.216	-96.944	-98.68
11/15/2023@06:20:00.000 PM	608.54	1243.528	1313.389	1203.534	3732.474	-98.471	-98.306	-96.955	-98.662
11/15/2023@06:30:00.000 PM	647.008	1269.697	1340.268	1226.749	3810.838	-98.496	-98.228	-96.874	-98.548
11/15/2023@06:40:00.000 PM	652.834	1296.097	1346.391	1257.437	3874.569	-98.341	-98.318	-97.09	-98.57

11/15/2023@06:50:00.000 PM	834.494	1390.828	1457.34	1363.435	4186.778	-97.916	-97.936	-96.35	-97.994
11/15/2023@07:00:00.000 PM	778.929	1343.156	1414.648	1308.868	4039.526	-98.083	-97.963	-96.303	-98.123
11/15/2023@07:10:00.000 PM	804.109	1376.731	1443.403	1342.418	4138.252	-98.097	-97.956	-96.463	-98.094
11/15/2023@07:20:00.000 PM	769.246	1328.256	1404.987	1303.913	4010.559	-98.113	-98.045	-96.278	-98.143
11/15/2023@07:30:00.000 PM	774.178	1377.058	1449.625	1352.193	4154.906	-98.261	-98.169	-96.58	-98.249
11/15/2023@07:40:00.000 PM	698.435	1307.484	1370.396	1280.736	3933.613	-98.307	-98.244	-96.775	-98.411
11/15/2023@07:50:00.000 PM	597.018	1270.381	1313.609	1240.53	3798.661	-98.487	-98.533	-97.212	-98.757
11/15/2023@08:00:00.000 PM	558.865	1242.111	1276.209	1199.142	3688.774	-98.445	-98.474	-97.292	-98.846
11/15/2023@08:10:00.000 PM	751.554	1345.222	1399.618	1314.126	4034.187	-98.173	-98.135	-96.597	-98.249
11/15/2023@08:20:00.000 PM	701.451	1316.236	1416.678	1263.612	3967.148	-98.557	-98.172	-96.281	-98.424
11/15/2023@08:30:00.000 PM	699.147	1339.692	1392.392	1300.085	4007.233	-98.384	-98.276	-96.866	-98.466
11/15/2023@08:40:00.000 PM	833.693	1407.102	1448.099	1374.434	4208.61	-97.997	-97.991	-96.569	-98.018
11/15/2023@08:50:00.000 PM	787.062	1381.591	1427.368	1357.258	4143.829	-98.084	-98.164	-96.673	-98.18
11/15/2023@09:00:00.000 PM	825.536	1347.16	1437.746	1325.883	4086.318	-98.177	-97.928	-95.899	-97.938
11/15/2023@09:10:00.000 PM	823.924	1345.746	1413.025	1318.042	4052.334	-98.003	-97.854	-96.061	-97.911
11/15/2023@09:20:00.000 PM	768.316	1338.789	1391.361	1303.855	4010.551	-98.135	-98.042	-96.508	-98.148

11/15/2023@09:30:00.000 PM	777.305	1348.282	1433.151	1341.108	4098.368	-98.265	-98.224	-96.292	-98.185
11/15/2023@09:40:00.000 PM	770.047	1377.382	1434.194	1354.18	4142.526	-98.227	-98.213	-96.648	-98.257
11/15/2023@09:50:00.000 PM	815.124	1353.912	1414.458	1328.285	4072.796	-97.984	-97.958	-96.229	-97.977
11/15/2023@10:00:00.000 PM	806.792	1333.392	1387.939	1304.419	4001.695	-97.941	-97.894	-96.202	-97.947
11/15/2023@10:10:00.000 PM	775.353	1330.374	1384.494	1294.117	3984.142	-98.077	-97.941	-96.374	-98.088
11/15/2023@10:20:00.000 PM	751.504	1327.829	1376.652	1286.764	3966.903	-98.152	-98.009	-96.564	-98.189
11/15/2023@10:30:00.000 PM	815.5	1395.773	1440.196	1357.178	4170.765	-98.036	-97.995	-96.567	-98.07
11/15/2023@10:40:00.000 PM	819.306	1406.851	1457.323	1368.166	4209.391	-98.094	-97.995	-96.534	-98.088
11/15/2023@10:50:00.000 PM	779.916	1349.685	1425.836	1302.445	4054.055	-98.344	-97.937	-96.324	-98.132
11/15/2023@11:00:00.000 PM	777.193	1330.879	1379.364	1297.279	3983.425	-98.013	-97.97	-96.438	-98.078
11/15/2023@11:10:00.000 PM	759.94	1324.18	1370.617	1283.501	3953.327	-98.065	-97.949	-96.497	-98.135
11/15/2023@11:20:00.000 PM	740.71	1351.858	1397.529	1308.929	4034.066	-98.227	-98.11	-96.756	-98.3
11/15/2023@11:30:00.000 PM	817.655	1393.43	1433.958	1357.073	4163.004	-98.005	-98	-96.606	-98.052
11/15/2023@11:40:00.000 PM	809.796	1361.234	1411.487	1329.204	4078.406	-97.984	-97.936	-96.378	-98.009
11/15/2023@11:50:00.000 PM	758.385	1305.131	1360.835	1274.564	3915.372	-98.038	-97.988	-96.366	-98.106
11/16/2023@12:00:00.000 AM	830.112	1309.374	1370.364	1269.612	3926.783	-97.938	-97.649	-95.897	-97.74

11/16/2023@12:10:00.000 AM	902.497	1369.558	1419.586	1326.321	4094.109	-97.733	-97.48	-95.835	-97.54
11/16/2023@12:20:00.000 AM	958.971	1427.995	1473.615	1389.92	4272.609	-97.626	-97.503	-95.883	-97.449
11/16/2023@12:30:00.000 AM	914.124	1404.138	1458.521	1367.167	4208.658	-97.773	-97.621	-95.927	-97.613
11/16/2023@12:40:00.000 AM	860.343	1330.428	1383.867	1284.363	3974.769	-97.788	-97.478	-95.811	-97.629
11/16/2023@12:50:00.000 AM	770.123	1278.326	1326.081	1259.525	3840.282	-97.886	-97.981	-96.2	-97.969
11/16/2023@01:00:00.000 AM	784.67	1296.242	1342.226	1243.031	3858.666	-98.055	-97.679	-96.211	-97.911
11/16/2023@01:10:00.000 AM	919.879	1369.641	1415.051	1318.445	4079.213	-97.554	-97.283	-95.673	-97.424
11/16/2023@01:20:00.000 AM	978.511	1437.584	1488.936	1388.52	4294.968	-97.637	-97.345	-95.713	-97.37
11/16/2023@01:30:00.000 AM	929.908	1397.143	1441.675	1348.226	4165.443	-97.642	-97.396	-95.829	-97.476
11/16/2023@01:40:00.000 AM	843.931	1334.851	1379.223	1281.209	3971.761	-97.847	-97.495	-96.025	-97.716
11/16/2023@01:50:00.000 AM	855.34	1331.609	1368.564	1274.29	3950.023	-97.697	-97.374	-95.954	-97.627
11/16/2023@02:00:00.000 AM	928	1345.546	1384.936	1290.042	3995.795	-97.369	-97.046	-95.529	-97.266
11/16/2023@02:10:00.000 AM	893.141	1366.904	1415.296	1314.813	4071.615	-97.668	-97.356	-95.797	-97.564
11/16/2023@02:20:00.000 AM	887.803	1387.519	1425.301	1340.717	4130.269	-97.684	-97.549	-96.066	-97.662
11/16/2023@02:30:00.000 AM	832.384	1328.552	1402.918	1282.608	3987.297	-98.013	-97.606	-95.739	-97.797
11/16/2023@02:40:00.000 AM	815.83	1324.514	1367.285	1263.793	3928.285	-97.812	-97.5	-96.06	-97.82

11/16/2023@02:50:00.000 AM	900.281	1333.846	1375.154	1281.992	3965.298	-97.446	-97.172	-95.61	-97.389
11/16/2023@03:00:00.000 AM	949.973	1411.587	1433.954	1360.263	4184.402	-97.352	-97.3	-95.989	-97.389
11/16/2023@03:10:00.000 AM	1074.416	1439.658	1469.216	1384.051	4272.2	-96.9	-96.743	-95.265	-96.786
11/16/2023@03:20:00.000 AM	1063.298	1410.987	1442.896	1356.896	4187.254	-96.795	-96.643	-95.054	-96.722
11/16/2023@03:30:00.000 AM	1042.61	1385.608	1414.071	1332.528	4108.82	-96.768	-96.639	-95.08	-96.727
11/16/2023@03:40:00.000 AM	965.164	1358.577	1393.248	1302.548	4028.894	-97.144	-96.879	-95.354	-97.088
11/16/2023@03:50:00.000 AM	979.649	1355.974	1408.936	1356.74	4096.941	-96.985	-97.354	-95.18	-97.099
11/16/2023@04:00:00.000 AM	969.771	1390.508	1439.337	1342.398	4148.003	-97.389	-97.116	-95.428	-97.229
11/16/2023@04:10:00.000 AM	984.899	1390.442	1403.283	1325.123	4094.354	-97.008	-96.818	-95.589	-97.064
11/16/2023@04:20:00.000 AM	1072.967	1410.244	1438.695	1356.566	4181.714	-96.696	-96.569	-94.999	-96.652
11/16/2023@04:30:00.000 AM	984.935	1381.787	1410.394	1322.757	4090.103	-97.086	-96.849	-95.427	-97.057
11/16/2023@04:40:00.000 AM	1052.675	1399.73	1422.626	1342.426	4140.513	-96.714	-96.573	-95.116	-96.714
11/16/2023@04:50:00.000 AM	969.365	1397.073	1444.425	1347.397	4165.365	-97.413	-97.143	-95.511	-97.254
11/16/2023@05:00:00.000 AM	971.249	1401.164	1450.756	1368.748	4197.389	-97.361	-97.309	-95.531	-97.286
11/16/2023@05:10:00.000 AM	913.954	1397.976	1421.154	1343.531	4139.516	-97.481	-97.383	-96.063	-97.532
11/16/2023@05:20:00.000 AM	905.133	1350.567	1375.904	1294.452	3996.599	-97.365	-97.179	-95.846	-97.402

11/16/2023@05:30:00.000 AM	1005.121	1371.429	1443.223	1312.717	4101.082	-97.315	-96.748	-94.85	-96.95
11/16/2023@05:40:00.000 AM	1051.285	1404.623	1444.19	1347.197	4171.099	-96.895	-96.619	-95.017	-96.772
11/16/2023@05:50:00.000 AM	1017.875	1398.735	1475.868	1370.419	4220.539	-97.344	-97.12	-94.936	-97.048
11/16/2023@06:00:00.000 AM	1025.858	1434.023	1479.704	1379.306	4271.22	-97.294	-96.99	-95.396	-97.073
11/16/2023@06:10:00.000 AM	977.552	1398.869	1426.311	1346.793	4147.921	-97.168	-97.058	-95.596	-97.183
11/16/2023@06:20:00.000 AM	983.962	1371.591	1403.3	1320.562	4070.218	-97.052	-96.877	-95.328	-97.034
11/16/2023@06:30:00.000 AM	1033.2	1396.553	1422.99	1345.119	4140.176	-96.826	-96.726	-95.2	-96.836
11/16/2023@06:40:00.000 AM	1027.567	1432.688	1478.072	1380.351	4267.426	-97.208	-96.977	-95.323	-97.058
11/16/2023@06:50:00.000 AM	1039.129	1442.57	1472.679	1379.994	4274.017	-97.155	-96.879	-95.473	-96.999
11/16/2023@07:00:00.000 AM	975.101	1389.682	1424.418	1337.152	4127.991	-97.265	-97.057	-95.502	-97.17
11/16/2023@07:10:00.000 AM	912.287	1378.462	1402.051	1317.292	4073.489	-97.445	-97.226	-95.926	-97.46
11/16/2023@07:20:00.000 AM	983.353	1400.326	1427.062	1338.509	4142.828	-97.235	-96.95	-95.576	-97.142
11/16/2023@07:30:00.000 AM	985.487	1427.239	1453.86	1368.407	4226.711	-97.304	-97.088	-95.727	-97.244
11/16/2023@07:40:00.000 AM	949.024	1427.276	1462.877	1362.927	4230.686	-97.61	-97.246	-95.905	-97.452
11/16/2023@07:50:00.000 AM	992.352	1418.752	1457.027	1357.395	4211.055	-97.38	-97.032	-95.558	-97.184
11/16/2023@08:00:00.000 AM	926.703	1417.16	1454.541	1357.672	4206.81	-97.691	-97.377	-95.946	-97.544

11/16/2023@08:10:00.000 AM	951.387	1413.617	1457.244	1353.876	4199.972	-97.564	-97.204	-95.66	-97.401
11/16/2023@08:20:00.000 AM	934.647	1451.31	1488.8	1398.364	4316.738	-97.767	-97.522	-96.078	-97.628
11/16/2023@08:30:00.000 AM	1043.434	1481.048	1515.063	1434.786	4411.027	-97.314	-97.185	-95.635	-97.162
11/16/2023@08:40:00.000 AM	921.344	1423.986	1468.913	1378.09	4251.288	-97.839	-97.592	-96.039	-97.623
11/16/2023@08:50:00.000 AM	971.263	1427.153	1463.987	1370.595	4242.003	-97.576	-97.267	-95.782	-97.344
11/16/2023@09:00:00.000 AM	884.405	1404.272	1450.484	1350.031	4183.616	-97.974	-97.595	-96.12	-97.74
11/16/2023@09:10:00.000 AM	889.086	1431.32	1485.634	1381.067	4276.162	-97.945	-97.72	-96.234	-97.815
11/16/2023@09:20:00.000 AM	773.168	1374.296	1422.279	1321.368	4094.365	-98.228	-97.987	-96.651	-98.201
11/16/2023@09:30:00.000 AM	855.702	1398.324	1437.265	1347.705	4159.86	-97.854	-97.718	-96.321	-97.861
11/16/2023@09:40:00.000 AM	786.904	1364.123	1400.199	1316.029	4054.769	-97.966	-97.919	-96.522	-98.099
11/16/2023@09:50:00.000 AM	688.687	1316.044	1355.985	1258.402	3902.929	-98.273	-98.081	-96.822	-98.431
11/16/2023@10:00:00.000 AM	668.919	1324.326	1375.739	1275.066	3949.383	-98.446	-98.232	-97.027	-98.555
11/16/2023@10:10:00.000 AM	629.911	1346.546	1423.97	1301.863	4045.193	-98.683	-98.489	-97.137	-98.78
11/16/2023@10:20:00.000 AM	679.604	1357.432	1426.872	1317.642	4076.666	-98.48	-98.372	-97.08	-98.601
11/16/2023@10:30:00.000 AM	775.493	1361.313	1411.833	1319.7	4068.516	-98.052	-97.996	-96.658	-98.167
11/16/2023@10:40:00.000 AM	728.032	1333.54	1405.124	1288.944	4001.168	-98.289	-98.07	-96.641	-98.331

11/16/2023@10:50:00.000 AM	679.26	1301.573	1357.747	1275.616	3906.782	-98.168	-98.259	-96.851	-98.477
11/16/2023@11:00:00.000 AM	734.376	1368.929	1420.119	1329.042	4092.755	-98.193	-98.182	-96.9	-98.377
11/16/2023@11:10:00.000 AM	740.279	1381.046	1439.898	1338.35	4133.817	-98.246	-98.179	-96.872	-98.383
11/16/2023@11:20:00.000 AM	721.639	1343.901	1432.303	1300.318	4048.941	-98.386	-98.162	-96.587	-98.399
11/16/2023@11:30:00.000 AM	766.643	1359.376	1438.016	1317.191	4088.616	-98.244	-98.035	-96.481	-98.226
11/16/2023@11:40:00.000 AM	716.3	1313.496	1361.095	1282.14	3929.291	-98.006	-98.144	-96.737	-98.324
11/16/2023@11:50:00.000 AM	663.61	1319.011	1366.503	1278.342	3935.167	-98.24	-98.262	-97.021	-98.568
11/16/2023@12:00:00.000 PM	671.565	1327.675	1406.428	1301.346	4007.515	-98.429	-98.377	-96.856	-98.586
11/16/2023@12:10:00.000 PM	604.876	1301.151	1353.278	1261.451	3886.167	-98.423	-98.425	-97.206	-98.781
11/16/2023@12:20:00.000 PM	685.27	1331.183	1380.89	1299.99	3986.446	-98.242	-98.343	-97.025	-98.511
11/16/2023@12:30:00.000 PM	724.053	1332.979	1396.453	1294.396	3998.066	-98.204	-98.171	-96.725	-98.346
11/16/2023@12:40:00.000 PM	684.729	1312.271	1395.418	1267.585	3944.598	-98.299	-98.255	-96.537	-98.482
11/16/2023@12:50:00.000 PM	670.327	1301.065	1395.716	1265.245	3932.386	-98.435	-98.335	-96.554	-98.536
11/16/2023@01:00:00.000 PM	742.643	1355.748	1453.291	1338.191	4120.762	-98.338	-98.3	-96.51	-98.363
11/16/2023@01:10:00.000 PM	766.206	1348.045	1485.757	1349.779	4158.796	-98.502	-98.466	-96.074	-98.288
11/16/2023@01:20:00.000 PM	788.976	1375.944	1430.373	1337.599	4119.223	-97.971	-98.052	-96.623	-98.149

11/16/2023@01:30:00.000 PM	764.525	1324.429	1383.368	1281.76	3964.264	-98.029	-97.943	-96.477	-98.123
11/16/2023@01:40:00.000 PM	639.214	1296.007	1336.925	1253.497	3856.999	-98.186	-98.296	-97.09	-98.617
11/16/2023@01:50:00.000 PM	598.031	1329.304	1361.56	1288.466	3952.989	-98.404	-98.596	-97.555	-98.849
11/16/2023@02:00:00.000 PM	595.871	1347.557	1385.937	1311.942	4020.741	-98.521	-98.693	-97.633	-98.896
11/16/2023@02:10:00.000 PM	542.695	1300.068	1329.031	1249.725	3851.952	-98.551	-98.629	-97.741	-99.003
11/16/2023@02:20:00.000 PM	728.739	1310.699	1361.5	1267.975	3912.898	-97.996	-98.011	-96.656	-98.25
11/16/2023@02:30:00.000 PM	745.034	1371.217	1405.479	1327.714	4079.427	-97.99	-98.146	-96.989	-98.318
11/16/2023@02:40:00.000 PM	765.376	1386.163	1429.672	1337.819	4127.591	-98.01	-98.058	-96.838	-98.266
11/16/2023@02:50:00.000 PM	822.984	1434.094	1473.883	1382.528	4267.529	-97.941	-97.988	-96.824	-98.123
11/16/2023@03:00:00.000 PM	709.999	1366.332	1414.725	1320.008	4075.553	-98.208	-98.26	-97.066	-98.471
11/16/2023@03:10:00.000 PM	766.998	1384.697	1446.411	1339.292	4144.539	-98.087	-98.113	-96.74	-98.273
11/16/2023@03:20:00.000 PM	753.323	1347.353	1393.267	1292.951	4007.454	-97.989	-97.965	-96.742	-98.217
11/16/2023@03:30:00.000 PM	807.996	1404.652	1444.555	1354.866	4180.166	-97.885	-97.983	-96.76	-98.114
11/16/2023@03:40:00.000 PM	798.579	1397.713	1430.03	1345.956	4148.787	-97.831	-97.967	-96.797	-98.13
11/16/2023@03:50:00.000 PM	770.937	1368.107	1408.537	1318.495	4069.156	-97.912	-97.992	-96.751	-98.189
11/16/2023@04:00:00.000 PM	783.569	1383.858	1417.725	1327.364	4102.805	-97.868	-97.927	-96.778	-98.159

11/16/2023@04:10:00.000 PM	842.318	1440.336	1476.441	1393.283	4286.875	-97.801	-97.988	-96.743	-98.051
11/16/2023@04:20:00.000 PM	872.047	1465.881	1498.136	1415.103	4356.483	-97.734	-97.919	-96.72	-97.976
11/16/2023@04:30:00.000 PM	888.509	1434.031	1467.303	1398.911	4276.384	-97.469	-97.835	-96.488	-97.818
11/16/2023@04:40:00.000 PM	859.205	1413.91	1450.192	1354.699	4193.743	-97.685	-97.674	-96.49	-97.879
11/16/2023@04:50:00.000 PM	863.461	1415.722	1454.853	1364.568	4208.928	-97.582	-97.731	-96.446	-97.873
11/16/2023@05:00:00.000 PM	853.363	1430.789	1483.938	1377.941	4267.479	-97.836	-97.829	-96.502	-97.98
11/16/2023@05:10:00.000 PM	840.245	1395.975	1471.073	1344.248	4184.308	-97.902	-97.817	-96.22	-97.963
11/16/2023@05:20:00.000 PM	856.044	1415.357	1456.4	1363.912	4209.328	-97.656	-97.761	-96.442	-97.91
11/16/2023@05:30:00.000 PM	777.318	1358.612	1408.711	1307.06	4046.53	-97.899	-97.877	-96.575	-98.138
11/16/2023@05:40:00.000 PM	736.91	1341.881	1386.127	1284.333	3984.176	-98.019	-97.945	-96.742	-98.275
11/16/2023@05:50:00.000 PM	766.977	1392.422	1440.413	1343.303	4149.088	-98.045	-98.055	-96.775	-98.277
11/16/2023@06:00:00.000 PM	768.401	1389.384	1434.55	1348.282	4146.496	-98.011	-98.11	-96.826	-98.268
11/16/2023@06:10:00.000 PM	753.183	1360.679	1410.94	1314.86	4057.151	-97.985	-98.001	-96.636	-98.262
11/16/2023@06:20:00.000 PM	778.523	1368.261	1433.237	1323.902	4099.562	-98.149	-97.983	-96.51	-98.18
11/16/2023@06:30:00.000 PM	1375.738	1490.252	1581.877	1457.786	4513.093	-95.77	-95.605	-93.204	-95.241
11/16/2023@06:40:00.000 PM	819.068	1397.426	1447.298	1355.799	4177.639	-97.989	-97.958	-96.585	-98.059

11/16/2023@06:50:00.000 PM	838.02	1405.412	1442.416	1357.807	4184.761	-97.945	-97.91	-96.567	-97.974
11/16/2023@07:00:00.000 PM	833.703	1387.71	1420.348	1326.734	4113.044	-97.926	-97.751	-96.502	-97.924
11/16/2023@07:10:00.000 PM	846.86	1380.828	1444.61	1343.74	4145.777	-97.986	-97.84	-96.145	-97.891
11/16/2023@07:20:00.000 PM	879.664	1439.143	1492.557	1391.22	4301.042	-97.974	-97.807	-96.341	-97.886
11/16/2023@07:30:00.000 PM	947.714	1469.64	1513.282	1428.128	4390.457	-97.681	-97.654	-96.182	-97.642
11/16/2023@07:40:00.000 PM	853.153	1442.481	1493.77	1417.093	4332.093	-98.027	-98.106	-96.518	-98.042
11/16/2023@07:50:00.000 PM	805.466	1443.103	1490.08	1406.14	4317.429	-98.223	-98.191	-96.794	-98.244
11/16/2023@08:00:00.000 PM	165.182	740.179	787.013	776.076	2270.266	-98.54	-98.794	-97.587	-99.735
11/16/2023@08:10:00.000 PM	1101.931	913.118	978.766	966.487	2836.895	-91.89	-93.648	-88.825	-92.148
11/16/2023@08:20:00.000 PM	379.883	740.363	814.769	772.225	2296.708	-98.083	-98.278	-95.589	-98.623
11/16/2023@08:30:00.000 PM	674.912	789.717	869.271	845.455	2477.441	-95.982	-96.826	-92.739	-96.218
11/16/2023@08:40:00.000 PM	1140.946	1065.253	1137.986	1115.436	3299.404	-93.787	-95.072	-90.985	-93.831
11/16/2023@08:50:00.000 PM	1503.759	1212.663	1300.381	1275.812	3773.347	-91.847	-93.475	-88.684	-91.716
11/16/2023@09:00:00.000 PM	552.171	1181.484	1237.089	1145.963	3537.565	-98.603	-98.429	-97	-98.774
11/16/2023@09:10:00.000 PM	691.039	1273.105	1329.944	1256.256	3835.396	-98.28	-98.307	-96.636	-98.363
11/16/2023@09:20:00.000 PM	745.983	1321.311	1369.778	1289.515	3957.626	-98.17	-98.113	-96.597	-98.207

11/16/2023@09:30:00.000 PM	667.597	1221.792	1275.551	1190.023	3661.217	-98.205	-98.129	-96.494	-98.324
11/16/2023@09:40:00.000 PM	738.705	1333.778	1393.266	1297.573	4000.789	-98.319	-98.15	-96.576	-98.281
11/16/2023@09:50:00.000 PM	751.603	1354.751	1396.104	1319.515	4047.313	-98.184	-98.156	-96.733	-98.261
11/16/2023@10:00:00.000 PM	758.216	1372.933	1413.824	1342.66	4105.61	-98.158	-98.199	-96.747	-98.28
11/16/2023@10:10:00.000 PM	725.035	1326.932	1370.48	1293.06	3965.969	-98.206	-98.16	-96.727	-98.315
11/16/2023@10:20:00.000 PM	736.597	1307.114	1351.378	1265.851	3898.23	-98.081	-98.013	-96.492	-98.199
11/16/2023@10:30:00.000 PM	798.723	1399.55	1462.11	1364.055	4202.118	-98.243	-98.119	-96.473	-98.177
11/16/2023@10:40:00.000 PM	873.588	1426.938	1492.717	1395.605	4291.807	-98	-97.911	-96.16	-97.907
11/16/2023@10:50:00.000 PM	955.435	1452.92	1526.597	1421.196	4379.009	-97.86	-97.651	-95.76	-97.591
11/16/2023@11:00:00.000 PM	936.155	1420.295	1470.361	1384.891	4252.639	-97.596	-97.577	-95.851	-97.547
11/16/2023@11:10:00.000 PM	979.826	1421.665	1464.093	1383.199	4247.415	-97.389	-97.349	-95.649	-97.303
11/16/2023@11:20:00.000 PM	1012.313	1458.576	1511.508	1427.336	4374.581	-97.369	-97.381	-95.543	-97.286
11/16/2023@11:30:00.000 PM	1014.694	1475.952	1527.242	1442.203	4424.102	-97.461	-97.429	-95.667	-97.334
11/16/2023@11:40:00.000 PM	1016.609	1458.769	1511.749	1431.348	4379.708	-97.332	-97.399	-95.56	-97.269
11/16/2023@11:50:00.000 PM	649.103	1014.842	1060.603	991.572	3029.094	-97.153	-97.114	-95.079	-97.677
11/17/2023@12:00:00.000 AM	858.21	1359.3	1435.322	1332.003	4100.437	-97.881	-97.762	-95.791	-97.785

11/17/2023@12:10:00.000 AM	974.761	1414.057	1471.067	1384.664	4247.649	-97.51	-97.406	-95.513	-97.331
11/17/2023@12:20:00.000 AM	867.183	1399.714	1460.511	1351.7	4190.287	-98.122	-97.716	-96.101	-97.835
11/17/2023@12:30:00.000 AM	833.005	1366.813	1423.855	1328.599	4097.044	-98.074	-97.85	-96.171	-97.911
11/17/2023@12:40:00.000 AM	802.186	1372.116	1441.285	1324.517	4114.926	-98.311	-97.938	-96.297	-98.081
11/17/2023@12:50:00.000 AM	793.33	1335.978	1403.141	1296.769	4012.698	-98.206	-97.93	-96.192	-98.026
11/17/2023@01:00:00.000 AM	840.814	1375.318	1421.109	1326.221	4101.338	-98.042	-97.745	-96.271	-97.876
11/17/2023@01:10:00.000 AM	922.808	1419.199	1458.328	1364.571	4222.324	-97.793	-97.495	-96.043	-97.582
11/17/2023@01:20:00.000 AM	890.224	1406.982	1459.266	1360.352	4206.765	-97.98	-97.697	-96.098	-97.735
11/17/2023@01:30:00.000 AM	917.465	1430.541	1481.276	1391.11	4283.539	-97.876	-97.714	-96.079	-97.679
11/17/2023@01:40:00.000 AM	993.32	1478.974	1509.968	1427.895	4397.155	-97.533	-97.406	-95.96	-97.415
11/17/2023@01:50:00.000 AM	946.676	1445.664	1477.403	1395.475	4298.989	-97.656	-97.506	-96.105	-97.545
11/17/2023@02:00:00.000 AM	933.32	1427.184	1468.645	1371.202	4246.406	-97.75	-97.457	-95.989	-97.555
11/17/2023@02:10:00.000 AM	996.875	1434.959	1479.509	1389.477	4283.666	-97.452	-97.283	-95.601	-97.254
11/17/2023@02:20:00.000 AM	899.116	1346.746	1382.723	1299.94	4007.173	-97.527	-97.349	-95.812	-97.45
11/17/2023@02:30:00.000 AM	915.029	1347.465	1389.115	1298.873	4013.125	-97.52	-97.255	-95.65	-97.366
11/17/2023@02:40:00.000 AM	1001.64	1386.847	1420.586	1339.938	4125.435	-97.114	-96.952	-95.369	-97.008

11/17/2023@02:50:00.000 AM	976.053	1387.485	1456.565	1337.043	4158.167	-97.566	-97.122	-95.257	-97.206
11/17/2023@03:00:00.000 AM	960.695	1353.108	1402.541	1305.037	4037.879	-97.35	-97.027	-95.31	-97.128
11/17/2023@03:10:00.000 AM	960.551	1373.061	1427.734	1333.923	4112.694	-97.465	-97.231	-95.395	-97.234
11/17/2023@03:20:00.000 AM	1006.242	1396.042	1427.789	1347.221	4149.232	-97.099	-96.974	-95.399	-97.015
11/17/2023@03:30:00.000 AM	952.527	1370.949	1408.173	1329.684	4085.911	-97.284	-97.21	-95.567	-97.245
11/17/2023@03:40:00.000 AM	1120.664	1426.282	1455.227	1375.213	4235.816	-96.564	-96.438	-94.837	-96.437
11/17/2023@03:50:00.000 AM	1107.639	1448.117	1478.114	1410.258	4315.275	-96.667	-96.768	-95.054	-96.65
11/17/2023@04:00:00.000 AM	1123.939	1435.821	1465.376	1393.705	4274.18	-96.535	-96.606	-94.859	-96.481
11/17/2023@04:10:00.000 AM	1217.349	1482.829	1546.948	1436.656	4445.26	-96.562	-96.311	-94.218	-96.177
11/17/2023@04:20:00.000 AM	1096.895	1453.978	1510.198	1404.908	4346.739	-97.028	-96.794	-94.918	-96.764
11/17/2023@04:30:00.000 AM	1128.771	1471.29	1503.294	1412.002	4366.436	-96.807	-96.562	-95.049	-96.601
11/17/2023@04:40:00.000 AM	1197.097	1504.218	1537.269	1447.242	4468.421	-96.545	-96.377	-94.75	-96.345
11/17/2023@04:50:00.000 AM	1091.609	1416.878	1449.473	1365.579	4209.88	-96.702	-96.567	-94.906	-96.58
11/17/2023@05:00:00.000 AM	1072.131	1411.936	1466.854	1356.637	4213.229	-97.065	-96.648	-94.819	-96.708
11/17/2023@05:10:00.000 AM	1092.273	1414.35	1442.874	1369.226	4204.839	-96.603	-96.641	-94.928	-96.567
11/17/2023@05:20:00.000 AM	1157.64	1455.588	1495.193	1406.807	4337.354	-96.584	-96.457	-94.677	-96.372

11/17/2023@05:30:00.000 AM	1063.581	1410.731	1442.246	1357.976	4188.46	-96.826	-96.658	-95.08	-96.722
11/17/2023@05:40:00.000 AM	1021.309	1367.516	1398.249	1306.917	4046.121	-96.825	-96.518	-94.991	-96.762
11/17/2023@05:50:00.000 AM	1005.338	1353.227	1385.576	1296.504	4009.972	-96.886	-96.606	-95.045	-96.806
11/17/2023@06:00:00.000 AM	1023.598	1358.284	1431.088	1328.654	4093.294	-97.119	-96.888	-94.648	-96.823
11/17/2023@06:10:00.000 AM	1058.12	1378.035	1436.59	1340.708	4131.237	-96.902	-96.689	-94.656	-96.664
11/17/2023@06:20:00.000 AM	1086.281	1441.804	1482.617	1405.031	4309.319	-96.901	-96.891	-95.123	-96.771
11/17/2023@06:30:00.000 AM	1008.176	1344.343	1400.998	1306.702	4027.865	-97.006	-96.813	-94.835	-96.817
11/17/2023@06:40:00.000 AM	1032.686	1351.673	1412.286	1316.784	4053.99	-96.844	-96.693	-94.598	-96.701
11/17/2023@06:50:00.000 AM	1144.126	1401.399	1437.918	1366.845	4182.188	-96.199	-96.286	-94.377	-96.185
11/17/2023@07:00:00.000 AM	1120.949	1437.147	1475.218	1397.979	4289.279	-96.638	-96.622	-94.852	-96.525
11/17/2023@07:10:00.000 AM	1183.288	1479.673	1512.657	1435.96	4408.595	-96.471	-96.454	-94.735	-96.331
11/17/2023@07:20:00.000 AM	1120.49	1429.302	1464.883	1381.198	4252.26	-96.589	-96.453	-94.737	-96.466
11/17/2023@07:30:00.000 AM	1163.982	1467.611	1501.957	1432.025	4380.68	-96.477	-96.594	-94.726	-96.405
11/17/2023@07:40:00.000 AM	1138.875	1454.587	1496.76	1398.698	4327.797	-96.727	-96.441	-94.716	-96.475
11/17/2023@07:50:00.000 AM	1136.464	1486.39	1559.833	1433.692	4457.68	-97.14	-96.71	-94.719	-96.696
11/17/2023@08:00:00.000 AM	1210.78	1561.496	1620.669	1522.798	4687.108	-96.871	-96.946	-94.839	-96.606

11/17/2023@08:10:00.000 AM	1096.588	1497.062	1542.795	1456.051	4472.852	-97.042	-97.034	-95.226	-96.948
11/17/2023@08:20:00.000 AM	1075.984	1474.501	1528.769	1418.454	4400.088	-97.279	-96.928	-95.196	-96.964
11/17/2023@08:30:00.000 AM	1084.131	1500.064	1557.064	1453.107	4489.586	-97.333	-97.096	-95.3	-97.041
11/17/2023@08:40:00.000 AM	1194.238	1542.843	1590.334	1504.21	4620.366	-96.832	-96.93	-94.925	-96.602
11/17/2023@08:50:00.000 AM	1146.942	1500.386	1553.702	1457.277	4491.636	-97.004	-96.801	-94.923	-96.685
11/17/2023@09:00:00.000 AM	1005.217	1437.415	1486.536	1399.427	4302.007	-97.41	-97.286	-95.507	-97.232
11/17/2023@09:10:00.000 AM	945.907	1400.609	1471.031	1363.587	4211.721	-97.719	-97.444	-95.485	-97.445
11/17/2023@09:20:00.000 AM	888.304	1353.939	1399.641	1313.82	4042.896	-97.598	-97.479	-95.777	-97.556
11/17/2023@09:30:00.000 AM	893.56	1382.434	1430.315	1340.992	4131.216	-97.758	-97.578	-95.922	-97.633
11/17/2023@09:40:00.000 AM	861.277	1396.055	1475.197	1363.262	4209.416	-98.06	-97.86	-95.929	-97.884
11/17/2023@09:50:00.000 AM	871.401	1390.763	1438.993	1346.417	4153.288	-97.863	-97.723	-96.075	-97.774
11/17/2023@10:00:00.000 AM	923.658	1394.186	1429.171	1333.007	4132.04	-97.509	-97.291	-95.842	-97.47
11/17/2023@10:10:00.000 AM	875.553	1382.947	1477.436	1348.911	4186.128	-98.151	-97.668	-95.868	-97.788
11/17/2023@10:20:00.000 AM	908.957	1438.991	1512.356	1409.583	4340.441	-97.975	-97.776	-96.172	-97.783
11/17/2023@10:30:00.000 AM	787.935	1392.115	1457.101	1355.968	4178.683	-98.082	-98.049	-96.583	-98.206
11/17/2023@10:40:00.000 AM	831.911	1381.794	1485.582	1354.837	4197.583	-98.172	-98.005	-96.089	-98.016

11/17/2023@10:50:00.000 AM	818.651	1411.652	1490.105	1386.112	4263.906	-98.095	-98.123	-96.506	-98.14
11/17/2023@11:00:00.000 AM	900.856	1432.285	1484.228	1392.928	4285.752	-97.645	-97.74	-96.255	-97.766
11/17/2023@11:10:00.000 AM	863.339	1427.331	1492.982	1386.729	4282.392	-97.901	-97.867	-96.338	-97.947
11/17/2023@11:20:00.000 AM	845.971	1417.415	1487.116	1379.719	4259.816	-98.009	-97.91	-96.378	-98.008
11/17/2023@11:30:00.000 AM	945.938	1460.117	1538.236	1427.892	4407.192	-97.823	-97.822	-96.045	-97.669
11/17/2023@11:40:00.000 AM	904.908	1452.218	1505.535	1419.045	4355.188	-97.751	-97.849	-96.362	-97.818
11/17/2023@11:50:00.000 AM	896.681	1103.227	1181.94	1085.732	3340.778	-96.471	-96.212	-93.644	-96.331
11/17/2023@12:00:00.000 PM	925.357	1441.336	1507.762	1409.774	4339.3	-97.733	-97.88	-96.117	-97.7
11/17/2023@12:10:00.000 PM	934.251	1452.801	1509.495	1416.683	4360.864	-97.701	-97.853	-96.219	-97.678
11/17/2023@12:20:00.000 PM	935.445	1472.455	1535.27	1439.217	4428.451	-97.768	-97.918	-96.276	-97.744
11/17/2023@12:30:00.000 PM	893.301	1449.648	1527.897	1415.06	4371.387	-98.016	-97.869	-96.315	-97.89
11/17/2023@12:40:00.000 PM	894.175	1437.664	1498.986	1402.992	4317.214	-97.814	-97.835	-96.282	-97.832
11/17/2023@12:50:00.000 PM	808.98	1407.58	1459.406	1366.96	4211.774	-98.066	-98.038	-96.727	-98.138
11/17/2023@01:00:00.000 PM	825.797	1381.155	1428.575	1345.195	4131.22	-97.828	-97.908	-96.492	-97.982
11/17/2023@01:10:00.000 PM	759.694	1319.321	1392.507	1291.583	3975.516	-98.024	-98.005	-96.338	-98.157
11/17/2023@01:20:00.000 PM	779.793	1336.085	1377.874	1301.935	3989.596	-97.786	-97.915	-96.548	-98.071

11/17/2023@01:30:00.000 PM	722.833	1289.197	1338.56	1250.26	3850.697	-97.958	-97.981	-96.607	-98.222
11/17/2023@01:40:00.000 PM	667.209	1317.674	1349.847	1272.662	3910.601	-98.072	-98.196	-97.08	-98.534
11/17/2023@01:50:00.000 PM	622.701	1292.233	1329.637	1260.798	3850.728	-98.087	-98.362	-97.135	-98.684
11/17/2023@02:00:00.000 PM	748.944	1330.746	1372.797	1295.726	3968.686	-97.793	-97.928	-96.599	-98.203
11/17/2023@02:10:00.000 PM	678.641	1275.719	1347.349	1249.28	3839.747	-98.149	-98.084	-96.509	-98.426
11/17/2023@02:20:00.000 PM	651.068	1272.469	1336.959	1227.509	3804.603	-98.162	-98.108	-96.76	-98.525
11/17/2023@02:30:00.000 PM	668.052	1290.071	1324.24	1246.945	3828.443	-97.916	-98.073	-96.861	-98.466
11/17/2023@02:40:00.000 PM	654.486	1298.658	1328.882	1259.615	3855.065	-97.953	-98.184	-97.036	-98.548
11/17/2023@02:50:00.000 PM	771.742	1386.589	1431.912	1348.666	4137.647	-97.853	-98.032	-96.724	-98.245
11/17/2023@03:00:00.000 PM	765.536	1393.954	1430.832	1345.64	4139.368	-97.833	-97.975	-96.784	-98.275
11/17/2023@03:10:00.000 PM	836.17	1453.544	1486.048	1403.459	4316.616	-97.749	-97.928	-96.816	-98.106
11/17/2023@03:20:00.000 PM	920.199	1435.613	1533.087	1381.093	4326.19	-97.945	-97.713	-95.797	-97.712
11/17/2023@03:30:00.000 PM	955.679	1503.323	1562.682	1463.721	4505.835	-97.614	-97.696	-96.274	-97.725
11/17/2023@03:40:00.000 PM	831.16	1447.552	1482.405	1393.483	4298.47	-97.863	-97.908	-96.832	-98.113
11/17/2023@03:50:00.000 PM	796.495	1397.21	1451.809	1346.311	4168.032	-98.043	-97.91	-96.553	-98.157
11/17/2023@04:00:00.000 PM	853.778	1439.246	1452.873	1366.68	4233.124	-97.716	-97.692	-96.615	-97.945

11/17/2023@04:10:00.000 PM	920.078	1484.567	1500.49	1412.009	4372.956	-97.604	-97.55	-96.482	-97.761
11/17/2023@04:20:00.000 PM	896.698	1484.184	1483.998	1407.96	4353.598	-97.668	-97.62	-96.735	-97.856
11/17/2023@04:30:00.000 PM	932.266	1492.841	1506.62	1425.295	4402.918	-97.555	-97.642	-96.517	-97.733
11/17/2023@04:40:00.000 PM	780.529	1403.537	1391.526	1328.237	4099.787	-97.859	-97.851	-97.098	-98.171
11/17/2023@04:50:00.000 PM	792.747	1404.685	1404.231	1335.716	4121.768	-97.868	-97.873	-97.006	-98.133
11/17/2023@05:00:00.000 PM	842.799	1425.839	1419.094	1357.641	4180.542	-97.655	-97.739	-96.881	-97.947
11/17/2023@05:10:00.000 PM	850.871	1423.701	1462.668	1348.547	4209.423	-97.914	-97.627	-96.443	-97.936
11/17/2023@05:20:00.000 PM	951.071	1518.006	1505.518	1456.019	4463.095	-97.507	-97.782	-96.722	-97.703
11/17/2023@05:30:00.000 PM	932.514	1531.468	1514.932	1460.42	4489.757	-97.647	-97.802	-96.875	-97.819
11/17/2023@05:40:00.000 PM	900.703	1465.267	1470.389	1419.103	4332.657	-97.523	-97.781	-96.63	-97.815
11/17/2023@05:50:00.000 PM	834.681	1458.19	1446.005	1385.875	4268.777	-97.803	-97.836	-97.088	-98.07
11/17/2023@06:00:00.000 PM	761.935	1426.502	1411.47	1344.023	4158.832	-98.018	-97.928	-97.319	-98.307
11/17/2023@06:10:00.000 PM	751.491	1413.575	1425.001	1342.576	4158.617	-98.178	-98.06	-97.199	-98.354
11/17/2023@06:20:00.000 PM	796.823	1395.748	1388.346	1323.862	4085.66	-97.849	-97.766	-97	-98.08
11/17/2023@06:30:00.000 PM	769.692	1375.767	1384.422	1307.333	4044.208	-97.992	-97.831	-96.972	-98.172
11/17/2023@06:40:00.000 PM	811.478	1391.652	1396.286	1343.662	4108.473	-97.734	-97.871	-96.814	-98.03

11/17/2023@06:50:00.000 PM	766.207	1386.138	1376.053	1307.464	4046.402	-97.943	-97.794	-97.126	-98.191
11/17/2023@07:00:00.000 PM	831.491	1434.667	1435.012	1366	4213.67	-97.84	-97.785	-96.919	-98.034
11/17/2023@07:10:00.000 PM	800.843	1422.639	1414.063	1347.306	4159.49	-97.846	-97.767	-97.023	-98.129
11/17/2023@07:20:00.000 PM	796.77	1402.943	1390.004	1336.982	4106.37	-97.788	-97.786	-97.024	-98.1
11/17/2023@07:30:00.000 PM	824.13	1416.387	1419.631	1345.729	4157.988	-97.841	-97.695	-96.809	-98.016
11/17/2023@07:40:00.000 PM	788.805	1416.17	1424.255	1352.621	4168.286	-97.986	-97.896	-96.925	-98.193
11/17/2023@07:50:00.000 PM	806.504	1400.23	1401.712	1341.829	4120.254	-97.824	-97.816	-96.86	-98.066
11/17/2023@08:00:00.000 PM	747.833	1394.005	1400.585	1321.213	4090.344	-98.084	-97.929	-97.072	-98.314
11/17/2023@08:10:00.000 PM	798.499	1393.3	1391.791	1323.829	4082.724	-97.782	-97.702	-96.816	-98.069
11/17/2023@08:20:00.000 PM	814.386	1387.858	1410.366	1307.822	4080.403	-97.968	-97.535	-96.576	-97.988
11/17/2023@08:30:00.000 PM	856.041	1407.628	1421.481	1348.125	4151.605	-97.639	-97.596	-96.482	-97.851
11/17/2023@08:40:00.000 PM	818.254	1415.571	1450.373	1352.531	4192.853	-98.007	-97.785	-96.606	-98.077
11/17/2023@08:50:00.000 PM	895.171	1443.186	1449.562	1376.708	4244.904	-97.58	-97.467	-96.486	-97.751
11/17/2023@09:00:00.000 PM	858.549	1431.122	1454.351	1354.964	4214.714	-97.855	-97.51	-96.518	-97.903
11/17/2023@09:10:00.000 PM	884.69	1417.447	1426.163	1346.44	4164.071	-97.539	-97.364	-96.392	-97.717
11/17/2023@09:20:00.000 PM	851.02	1380.556	1410.449	1309.713	4073.006	-97.733	-97.387	-96.224	-97.793

11/17/2023@09:30:00.000 PM	839.776	1402.453	1414.924	1344.554	4135.33	-97.648	-97.641	-96.549	-97.916
11/17/2023@09:40:00.000 PM	841.705	1400.815	1416.007	1350.61	4140.514	-97.624	-97.661	-96.523	-97.912
11/17/2023@09:50:00.000 PM	790.343	1384.989	1404.522	1322.829	4084.024	-97.869	-97.728	-96.666	-98.11
11/17/2023@10:00:00.000 PM	805.52	1387.201	1418.492	1330.195	4108.38	-97.896	-97.735	-96.547	-98.059
11/17/2023@10:10:00.000 PM	853.754	1407.157	1415.711	1341.104	4137.837	-97.623	-97.499	-96.547	-97.848
11/17/2023@10:20:00.000 PM	822.531	1377.668	1396.377	1315.927	4060.278	-97.599	-97.551	-96.458	-97.927
11/17/2023@10:30:00.000 PM	891.47	1419.04	1450.573	1359.859	4203.471	-97.61	-97.479	-96.24	-97.725
11/17/2023@10:40:00.000 PM	882.456	1398.15	1438.962	1350.936	4162.352	-97.629	-97.561	-96.146	-97.727
11/17/2023@10:50:00.000 PM	858.49	1376.108	1420.639	1310.034	4078.756	-97.776	-97.37	-96.075	-97.76
11/17/2023@11:00:00.000 PM	786.854	1364.468	1386.816	1329.478	4053.766	-97.724	-97.93	-96.665	-98.098
11/17/2023@11:10:00.000 PM	858.089	1375.439	1405.934	1328.255	4081.67	-97.55	-97.534	-96.175	-97.765
11/17/2023@11:20:00.000 PM	951.919	1443.272	1478.134	1394.314	4290.426	-97.404	-97.374	-95.987	-97.508
11/17/2023@11:30:00.000 PM	930.947	1409.385	1462.508	1361.604	4206.893	-97.505	-97.371	-95.792	-97.521
11/17/2023@11:40:00.000 PM	922.346	1422.957	1453.861	1383.131	4233.634	-97.357	-97.507	-96.084	-97.598
11/17/2023@11:50:00.000 PM	915.708	1387.571	1439.037	1335.192	4135.364	-97.585	-97.297	-95.754	-97.518
11/18/2023@12:00:00.000 AM	860.579	1362.939	1403.474	1314.538	4053.082	-97.617	-97.476	-96.015	-97.72

11/18/2023@12:10:00.000 AM	920.27	1404.958	1450.038	1357.881	4187.976	-97.586	-97.411	-95.89	-97.556
11/18/2023@12:20:00.000 AM	903.638	1413.828	1458.007	1366.238	4212.683	-97.663	-97.518	-96.031	-97.672
11/18/2023@12:30:00.000 AM	911.663	1454.24	1471.066	1368.189	4270.607	-97.747	-97.298	-96.432	-97.695
11/18/2023@12:40:00.000 AM	895.933	1410.731	1429.599	1355.218	4171.538	-97.534	-97.457	-96.295	-97.666
11/18/2023@12:50:00.000 AM	1090.329	1463.895	1483.309	1407.301	4332.161	-96.756	-96.687	-95.37	-96.781
11/18/2023@01:00:00.000 AM	1036.402	1457.792	1482.936	1390.136	4307.578	-97.11	-96.841	-95.623	-97.062
11/18/2023@01:10:00.000 AM	1049.848	1449.324	1511.452	1387.483	4322.664	-97.309	-96.801	-95.122	-97.006
11/18/2023@01:20:00.000 AM	898.457	1423.086	1516.693	1353.554	4264.272	-98.041	-97.471	-95.674	-97.755
11/18/2023@01:30:00.000 AM	980.288	1434.6	1479.999	1373.459	4263.93	-97.408	-97.146	-95.71	-97.321
11/18/2023@01:40:00.000 AM	1040.535	1451.792	1487.222	1399.878	4316.036	-97.048	-96.996	-95.526	-97.05
11/18/2023@01:50:00.000 AM	1065.555	1462.223	1503.741	1398.465	4340.388	-97.043	-96.783	-95.334	-96.94
11/18/2023@02:00:00.000 AM	1150.455	1503.667	1529.249	1446.939	4457.125	-96.606	-96.551	-95.163	-96.611
11/18/2023@02:10:00.000 AM	1121.099	1493.93	1512.9	1436.748	4420.984	-96.639	-96.695	-95.345	-96.731
11/18/2023@02:20:00.000 AM	1022.84	1426.821	1465.15	1370.226	4237.353	-97.071	-96.886	-95.422	-97.043
11/18/2023@02:30:00.000 AM	946.965	1380.971	1438.722	1333.186	4128.154	-97.464	-97.203	-95.533	-97.333
11/18/2023@02:40:00.000 AM	1050.797	1406.65	1426.322	1346.663	4154.987	-96.658	-96.574	-95.26	-96.749

11/18/2023@02:50:00.000 AM	1134.249	1491.88	1493.384	1435.98	4400.64	-96.409	-96.624	-95.453	-96.621
11/18/2023@03:00:00.000 AM	1154.083	1458.189	1484.91	1414.931	4334.721	-96.284	-96.443	-94.857	-96.391
11/18/2023@03:10:00.000 AM	1148.949	1438.92	1503.675	1409.754	4327.824	-96.554	-96.543	-94.449	-96.412
11/18/2023@03:20:00.000 AM	1190.816	1471.217	1508.394	1418.125	4374.795	-96.306	-96.206	-94.601	-96.224
11/18/2023@03:30:00.000 AM	1205.618	1493.149	1521.874	1435.891	4428.885	-96.264	-96.202	-94.728	-96.224
11/18/2023@03:40:00.000 AM	1103.72	1459.127	1449.373	1416.318	4302.684	-96.175	-96.756	-95.532	-96.654
11/18/2023@03:50:00.000 AM	1078.272	1419.75	1489.825	1376.604	4259.833	-96.881	-96.754	-94.738	-96.743
11/18/2023@04:00:00.000 AM	1134.24	1457.703	1501.309	1401.237	4333.601	-96.548	-96.409	-94.756	-96.514
11/18/2023@04:10:00.000 AM	1102.133	1456.365	1489.64	1399.458	4319.187	-96.636	-96.572	-95.055	-96.69
11/18/2023@04:20:00.000 AM	1027.436	1425.229	1465.987	1370.191	4236.739	-97.031	-96.894	-95.382	-97.015
11/18/2023@04:30:00.000 AM	1046.665	1402.721	1424.936	1347.137	4147.99	-96.565	-96.621	-95.198	-96.764
11/18/2023@04:40:00.000 AM	1010.769	1401.39	1413.673	1334.057	4125.512	-96.807	-96.76	-95.592	-96.952
11/18/2023@04:50:00.000 AM	1098.317	1435.191	1442.549	1382.813	4237.34	-96.314	-96.575	-95.247	-96.582
11/18/2023@05:00:00.000 AM	1252.741	1510.21	1529.711	1444.771	4463.916	-96.012	-95.967	-94.584	-95.981
11/18/2023@05:10:00.000 AM	1249.667	1526.657	1552.281	1473.224	4530.031	-96.1	-96.188	-94.624	-96.12
11/18/2023@05:20:00.000 AM	1297.398	1535.174	1555.498	1487.591	4556.887	-95.76	-96.025	-94.417	-95.861

11/18/2023@05:30:00.000 AM	1326.626	1526.764	1583.178	1485.428	4571.992	-95.867	-95.891	-93.811	-95.698
11/18/2023@05:40:00.000 AM	1336.874	1532.858	1554.591	1472.365	4537.143	-95.527	-95.625	-94.056	-95.56
11/18/2023@05:50:00.000 AM	1312.123	1532.893	1577.223	1473.39	4559.974	-95.903	-95.818	-94.053	-95.771
11/18/2023@06:00:00.000 AM	1187.106	1480.593	1515.555	1414.128	4384.222	-96.28	-96.135	-94.614	-96.264
11/18/2023@06:10:00.000 AM	1325.534	1563.561	1593.044	1502.718	4636.582	-95.867	-95.883	-94.274	-95.826
11/18/2023@06:20:00.000 AM	1296.872	1553.255	1596.468	1482.526	4609.224	-96.162	-95.921	-94.3	-95.96
11/18/2023@06:30:00.000 AM	1282.854	1516.87	1572.006	1439.916	4505.684	-96.222	-95.746	-94.068	-95.861
11/18/2023@06:40:00.000 AM	1247.148	1488.807	1521.011	1414.066	4399.629	-96.031	-95.721	-94.305	-95.898
11/18/2023@06:50:00.000 AM	1242.671	1510.868	1543.89	1439.314	4470.337	-96.176	-95.94	-94.479	-96.059
11/18/2023@07:00:00.000 AM	1260.385	1496.465	1538.345	1434.526	4446.284	-96.075	-95.875	-94.196	-95.898
11/18/2023@07:10:00.000 AM	1216.693	1494.48	1573.986	1440.55	4485.009	-96.694	-96.238	-94.199	-96.25
11/18/2023@07:20:00.000 AM	1080.471	1427.794	1460.182	1367.236	4229.008	-96.637	-96.536	-95.029	-96.681
11/18/2023@07:30:00.000 AM	1027.925	1404.072	1442.643	1342.07	4163.375	-96.921	-96.728	-95.241	-96.904
11/18/2023@07:40:00.000 AM	1035.026	1411.881	1454.242	1339.655	4179.005	-96.985	-96.588	-95.164	-96.884
11/18/2023@07:50:00.000 AM	1069.487	1429.087	1478.434	1365.669	4248.487	-96.915	-96.64	-95.039	-96.78
11/18/2023@08:00:00.000 AM	1078.985	1443.264	1468.992	1377.387	4265.696	-96.736	-96.585	-95.253	-96.748

11/18/2023@08:10:00.000 AM	1114.085	1429.952	1516.811	1386.324	4307.872	-97.038	-96.583	-94.403	-96.598
11/18/2023@08:20:00.000 AM	1103.093	1472.851	1497.374	1402.703	4349.845	-96.781	-96.56	-95.269	-96.731
11/18/2023@08:30:00.000 AM	1082.003	1449.344	1484.003	1400.229	4313.334	-96.857	-96.814	-95.334	-96.803
11/18/2023@08:40:00.000 AM	1042.709	1419.343	1466.214	1377.34	4241.807	-97.029	-96.945	-95.333	-96.932
11/18/2023@08:50:00.000 AM	963.223	1400.528	1441.059	1380.577	4201.227	-97.226	-97.489	-95.813	-97.336
11/18/2023@09:00:00.000 AM	930.385	1384.326	1419.324	1359.612	4142.564	-97.335	-97.524	-95.993	-97.445
11/18/2023@09:10:00.000 AM	906.918	1396.929	1430.329	1339.126	4147.974	-97.716	-97.447	-96.24	-97.581
11/18/2023@09:20:00.000 AM	881.944	1370.487	1422.265	1320.578	4092.064	-97.772	-97.537	-96.073	-97.65
11/18/2023@09:30:00.000 AM	869.116	1380.604	1414.077	1324.801	4097.4	-97.64	-97.566	-96.353	-97.724
11/18/2023@09:40:00.000 AM	782.486	1337.779	1377.399	1288.39	3979.09	-97.882	-97.811	-96.61	-98.047
11/18/2023@09:50:00.000 AM	707.925	1335.932	1383.824	1285.515	3978.474	-98.154	-98.137	-96.901	-98.404
11/18/2023@10:00:00.000 AM	672.247	1317.547	1349.988	1251.227	3891.826	-98.244	-98.069	-97.104	-98.497
11/18/2023@10:10:00.000 AM	751.699	1354.255	1383.497	1296.005	4010.974	-98.049	-97.965	-96.969	-98.228
11/18/2023@10:20:00.000 AM	871.016	1408.401	1424.969	1350.604	4161.667	-97.54	-97.617	-96.603	-97.785
11/18/2023@10:30:00.000 AM	784.178	1371.066	1398.288	1306.106	4051.841	-97.931	-97.815	-96.838	-98.109
11/18/2023@10:40:00.000 AM	841.475	1439.164	1457.477	1382.679	4255.729	-97.77	-97.83	-96.825	-98.026

11/18/2023@10:50:00.000 AM	793.747	1392.17	1403.083	1330.39	4100.556	-97.775	-97.818	-96.914	-98.109
11/18/2023@11:00:00.000 AM	802.499	1420.828	1432.068	1354.59	4183.9	-97.872	-97.872	-97.006	-98.143
11/18/2023@11:10:00.000 AM	846.917	1416.199	1425.994	1354.544	4173.333	-97.585	-97.711	-96.796	-97.919
11/18/2023@11:20:00.000 AM	887.55	1435.052	1460.556	1378.809	4249.315	-97.563	-97.585	-96.477	-97.794
11/18/2023@11:30:00.000 AM	907.147	1472.757	1481.008	1413.763	4343.289	-97.453	-97.621	-96.655	-97.795
11/18/2023@11:40:00.000 AM	861.17	1441.516	1456.404	1385.521	4258.668	-97.604	-97.747	-96.723	-97.934
11/18/2023@11:50:00.000 AM	831.691	1441.215	1450.619	1384.946	4252.536	-97.686	-97.898	-96.929	-98.069
11/18/2023@12:00:00.000 PM	852.826	1453.669	1465.691	1388.342	4283.641	-97.698	-97.791	-96.834	-97.998
11/18/2023@12:10:00.000 PM	875.281	1436.117	1457.97	1374.237	4243.401	-97.586	-97.646	-96.566	-97.85
11/18/2023@12:20:00.000 PM	882.784	1472.328	1484.076	1409.629	4342.444	-97.633	-97.735	-96.751	-97.912
11/18/2023@12:30:00.000 PM	885.575	1462.522	1481.496	1403.036	4322.658	-97.553	-97.733	-96.671	-97.879
11/18/2023@12:40:00.000 PM	838.504	1436.577	1446.584	1362.597	4220.13	-97.649	-97.734	-96.828	-98.006
11/18/2023@12:50:00.000 PM	868.099	1450.972	1456.829	1374.992	4257.252	-97.456	-97.697	-96.762	-97.899
11/18/2023@01:00:00.000 PM	908.146	1478.548	1485.839	1407.278	4347.23	-97.352	-97.682	-96.677	-97.794
11/18/2023@01:10:00.000 PM	880.153	1448.453	1480.518	1390.294	4293.638	-97.541	-97.784	-96.52	-97.876
11/18/2023@01:20:00.000 PM	822.402	1434.056	1443.233	1373.526	4225.831	-97.616	-97.949	-96.943	-98.088

11/18/2023@01:30:00.000 PM	851.285	1420.674	1433.24	1344.76	4173.213	-97.496	-97.676	-96.703	-97.897
11/18/2023@01:40:00.000 PM	962.218	1474.379	1493.004	1413.095	4357.906	-97.171	-97.546	-96.336	-97.532
11/18/2023@01:50:00.000 PM	1018.47	1496.126	1512.596	1427.849	4413.579	-96.964	-97.279	-96.111	-97.301
11/18/2023@02:00:00.000 PM	980.06	1465.522	1490.109	1397.012	4328.646	-97.114	-97.325	-96.117	-97.403
11/18/2023@02:10:00.000 PM	1008.778	1501.368	1509.66	1432.9	4422.551	-97.029	-97.343	-96.284	-97.364
11/18/2023@02:20:00.000 PM	854.25	1423.486	1461.931	1347.948	4210.385	-97.801	-97.696	-96.62	-97.92
11/18/2023@02:30:00.000 PM	887.798	1447.255	1476.481	1407.58	4307.533	-97.476	-97.902	-96.536	-97.853
11/18/2023@02:40:00.000 PM	838.838	1408.667	1432.337	1342.453	4156.229	-97.44	-97.801	-96.633	-97.942
11/18/2023@02:50:00.000 PM	884.737	1410.959	1415.602	1351.693	4152.124	-97.085	-97.66	-96.505	-97.703
11/18/2023@03:00:00.000 PM	993.166	1460.427	1461.918	1385.466	4284.338	-96.833	-97.206	-96.169	-97.276
11/18/2023@03:10:00.000 PM	941.585	1467.692	1469.401	1406.198	4321.083	-97.147	-97.591	-96.531	-97.597
11/18/2023@03:20:00.000 PM	976.971	1509.694	1540.28	1427.499	4453.823	-97.428	-97.386	-96.285	-97.564
11/18/2023@03:30:00.000 PM	1075.832	1539.127	1552.087	1478.882	4553.425	-96.942	-97.417	-96.049	-97.169
11/18/2023@03:40:00.000 PM	1038.214	1509.804	1504.972	1441.376	4432.354	-96.768	-97.176	-96.128	-97.218
11/18/2023@03:50:00.000 PM	1054.244	1523.316	1517.814	1447.018	4466.242	-96.764	-97.138	-96.172	-97.174
11/18/2023@04:00:00.000 PM	1066.559	1540.395	1541.377	1483.837	4544.384	-96.814	-97.297	-96.13	-97.207

11/18/2023@04:10:00.000 PM	990.717	1480.768	1498.833	1406.527	4363.848	-97.161	-97.282	-96.199	-97.389
11/18/2023@04:20:00.000 PM	919.954	1431.789	1432.838	1352.238	4193.221	-97.203	-97.331	-96.486	-97.564
11/18/2023@04:30:00.000 PM	977.642	1468.812	1486.816	1396.533	4328.116	-97.147	-97.298	-96.145	-97.415
11/18/2023@04:40:00.000 PM	1045.089	1479.573	1485.181	1424.104	4364.789	-96.688	-97.08	-95.881	-97.091
11/18/2023@04:50:00.000 PM	1041.572	1509.573	1530.652	1460.968	4480.832	-97.007	-97.442	-95.978	-97.261
11/18/2023@05:00:00.000 PM	994.578	1478.908	1479.09	1413.54	4348.455	-97.004	-97.251	-96.223	-97.349
11/18/2023@05:10:00.000 PM	988.346	1451.913	1448.758	1381.2	4258.076	-96.897	-97.119	-96.141	-97.269
11/18/2023@05:20:00.000 PM	982.753	1436.526	1461.299	1368.832	4242.066	-97.103	-97.119	-95.889	-97.279
11/18/2023@05:30:00.000 PM	971.345	1473.119	1509.056	1424.779	4383.165	-97.354	-97.482	-96.083	-97.514
11/18/2023@05:40:00.000 PM	1069.702	1501.799	1548.077	1452.727	4481.791	-97.056	-97.282	-95.591	-97.11
11/18/2023@05:50:00.000 PM	1042.302	1489.612	1494.347	1424.209	4384.752	-96.862	-97.03	-95.929	-97.134
11/18/2023@06:00:00.000 PM	938.254	1435.531	1445.693	1378.615	4234.06	-97.155	-97.38	-96.205	-97.514
11/18/2023@06:10:00.000 PM	895.677	1435.115	1451.45	1376.619	4237.696	-97.439	-97.552	-96.445	-97.741
11/18/2023@06:20:00.000 PM	937.625	1484.984	1526.137	1417.484	4404.311	-97.647	-97.532	-96.286	-97.708
11/18/2023@06:30:00.000 PM	985.079	1475.858	1473.624	1408.627	4334.576	-97.058	-97.233	-96.255	-97.383
11/18/2023@06:40:00.000 PM	952.499	1462.431	1461.61	1395.159	4295.239	-97.193	-97.313	-96.375	-97.51

11/18/2023@06:50:00.000 PM	1061.743	1528.002	1528.803	1474.685	4510.559	-96.831	-97.326	-96.041	-97.19
11/18/2023@07:00:00.000 PM	1028.327	1501.194	1515.755	1441.862	4434.484	-97.056	-97.161	-95.978	-97.274
11/18/2023@07:10:00.000 PM	1046.781	1524.79	1537.788	1460.622	4501.934	-97.056	-97.299	-96.013	-97.259
11/18/2023@07:20:00.000 PM	1005.445	1510.862	1534.185	1441.192	4464.575	-97.324	-97.404	-96.107	-97.431
11/18/2023@07:30:00.000 PM	1060.324	1569.214	1594.861	1510.407	4657.42	-97.35	-97.319	-96.356	-97.374
11/18/2023@07:40:00.000 PM	973.98	1483.39	1499.03	1416.935	4373.383	-97.275	-97.265	-96.161	-97.489
11/18/2023@07:50:00.000 PM	1015.956	1506.092	1525.369	1431.322	4439.338	-97.216	-97.241	-96.001	-97.346
11/18/2023@08:00:00.000 PM	1071.631	1550.008	1582.102	1490.739	4601.251	-97.309	-97.164	-95.871	-97.25
11/18/2023@08:10:00.000 PM	1064.402	1574.194	1604.114	1512.807	4667.173	-97.251	-97.273	-96.039	-97.365
11/18/2023@08:20:00.000 PM	1002.186	1492.214	1520.708	1420.893	4411.401	-97.327	-97.304	-95.997	-97.385
11/18/2023@08:30:00.000 PM	998.619	1494.899	1546.544	1427.264	4443.047	-97.478	-97.23	-95.881	-97.441
11/18/2023@08:40:00.000 PM	1041.82	1534.213	1566.93	1473.375	4553.333	-97.413	-97.238	-95.995	-97.347
11/18/2023@08:50:00.000 PM	1030.595	1496.083	1540.554	1446.726	4460.005	-97.251	-97.358	-95.697	-97.294
11/18/2023@09:00:00.000 PM	998.318	1518.414	1546.756	1455.893	4499.378	-97.386	-97.526	-96.162	-97.507
11/18/2023@09:10:00.000 PM	995.708	1496.603	1513.268	1436.528	4422.214	-97.249	-97.295	-96.127	-97.432
11/18/2023@09:20:00.000 PM	901.302	1508.061	1517.25	1455.445	4455.856	-97.61	-97.795	-96.736	-97.933

11/18/2023@09:30:00.000 PM	861.157	1425.493	1441.794	1364.601	4205.037	-97.622	-97.585	-96.537	-97.881
11/18/2023@09:40:00.000 PM	945.005	1456.41	1474.654	1398.619	4303.333	-97.327	-97.359	-96.174	-97.559
11/18/2023@09:50:00.000 PM	1003.974	1512.167	1554.606	1455.805	4497.436	-97.45	-97.336	-95.971	-97.477
11/18/2023@10:00:00.000 PM	1002.916	1530.664	1549.041	1471.901	4532.523	-97.484	-97.546	-96.269	-97.521
11/18/2023@10:10:00.000 PM	1028.314	1495.325	1507.027	1432.924	4409.75	-97.036	-97.079	-95.9	-97.243
11/18/2023@10:20:00.000 PM	1008.51	1507.53	1523.83	1429.017	4437.195	-97.409	-97.107	-96.07	-97.383
11/18/2023@10:30:00.000 PM	948.755	1472.443	1486.987	1388.48	4323.701	-97.563	-97.213	-96.237	-97.563
11/18/2023@10:40:00.000 PM	1123.105	1573.899	1611.09	1505.144	4668.477	-97.188	-96.967	-95.639	-97.063
11/18/2023@10:50:00.000 PM	1078.317	1570.545	1578.088	1493.858	4623.795	-97.218	-97.231	-96.064	-97.243
11/18/2023@11:00:00.000 PM	997.843	1479.793	1488.621	1423.636	4369.092	-97.208	-97.235	-96.069	-97.357
11/18/2023@11:10:00.000 PM	1079.033	1530.011	1536.726	1458.439	4502.971	-97.032	-96.927	-95.833	-97.087
11/18/2023@11:20:00.000 PM	1110.652	1576.582	1582.852	1498.357	4640.791	-97.196	-97.071	-95.91	-97.094
11/18/2023@11:30:00.000 PM	1127.391	1598.748	1596.199	1531.613	4705.856	-96.937	-97.042	-95.98	-97.088
11/18/2023@11:40:00.000 PM	1133.998	1555.22	1588.104	1483.828	4608.725	-97.08	-96.967	-95.515	-96.926
11/18/2023@11:50:00.000 PM	1049.557	1488.685	1535.072	1418.892	4420.638	-97.411	-96.962	-95.544	-97.141
11/19/2023@12:00:00.000 AM	989.618	1500.738	1511.753	1423.711	4413.285	-97.398	-97.204	-96.209	-97.453

11/19/2023@12:10:00.000 AM	979.383	1520.415	1537.769	1441.618	4477.682	-97.597	-97.34	-96.317	-97.579
11/19/2023@12:20:00.000 AM	1010.679	1528.197	1540.634	1446.128	4492.77	-97.462	-97.177	-96.193	-97.437
11/19/2023@12:30:00.000 AM	1103.833	1587.319	1595.813	1530.726	4693.356	-97.067	-97.205	-96.015	-97.195
11/19/2023@12:40:00.000 AM	1117.863	1570.96	1573.451	1496.305	4624.741	-97.096	-97.078	-95.889	-97.035
11/19/2023@12:50:00.000 AM	1088.183	1533.542	1528.816	1453.394	4494.083	-96.907	-96.846	-95.889	-97.024
11/19/2023@01:00:00.000 AM	1025.932	1513.625	1518.827	1431.153	4441.03	-97.242	-97.051	-96.076	-97.295
11/19/2023@01:10:00.000 AM	1087.613	1530.675	1526.829	1444.45	4479.442	-96.932	-96.747	-95.852	-97.008
11/19/2023@01:20:00.000 AM	1111.122	1550.657	1541.046	1452.602	4521.467	-96.874	-96.597	-95.83	-96.933
11/19/2023@01:30:00.000 AM	1169.068	1615.47	1612.951	1529.207	4736.759	-96.837	-96.737	-95.835	-96.906
11/19/2023@01:40:00.000 AM	1082.539	1558.025	1550.235	1475.09	4562.125	-97.009	-96.963	-96.078	-97.144
11/19/2023@01:50:00.000 AM	1071.225	1567.134	1559.207	1479.536	4586.748	-97.248	-97.012	-96.197	-97.235
11/19/2023@02:00:00.000 AM	1030.263	1501.038	1514.067	1418.097	4409.849	-97.225	-96.958	-95.932	-97.233
11/19/2023@02:10:00.000 AM	1053.206	1524.916	1517.441	1433.858	4453.285	-97.042	-96.866	-96.053	-97.163
11/19/2023@02:20:00.000 AM	1123.503	1558.759	1545.546	1475.037	4558.966	-96.761	-96.767	-95.897	-96.916
11/19/2023@02:30:00.000 AM	1059.625	1517.81	1524.153	1434.666	4455.113	-97.118	-96.909	-95.922	-97.13
11/19/2023@02:40:00.000 AM	1036.418	1535.592	1524.733	1441.67	4480.447	-97.196	-96.983	-96.254	-97.288

11/19/2023@02:50:00.000 AM	1108.843	1551.364	1529.975	1456.378	4517.208	-96.806	-96.668	-96.004	-96.94
11/19/2023@03:00:00.000 AM	1236.694	1576.083	1567.986	1477.233	4600.62	-96.354	-96.042	-95.228	-96.319
11/19/2023@03:10:00.000 AM	1227.337	1578.295	1556.351	1474.247	4589.542	-96.312	-96.085	-95.431	-96.358
11/19/2023@03:20:00.000 AM	1217.101	1560.601	1546.684	1459.358	4546.727	-96.357	-96.069	-95.327	-96.351
11/19/2023@03:30:00.000 AM	1127.559	1525.708	1514.132	1427.507	4445.888	-96.693	-96.417	-95.649	-96.73
11/19/2023@03:40:00.000 AM	1118.123	1520.117	1501.76	1428.571	4428.196	-96.612	-96.46	-95.725	-96.76
11/19/2023@03:50:00.000 AM	1110.731	1520.094	1507.292	1423.185	4427.951	-96.726	-96.454	-95.716	-96.803
11/19/2023@04:00:00.000 AM	1198.016	1556.607	1527.769	1463.005	4524.992	-96.191	-96.16	-95.496	-96.432
11/19/2023@04:10:00.000 AM	1147.81	1483.836	1517.332	1412.288	4388.954	-96.661	-96.324	-94.907	-96.52
11/19/2023@04:20:00.000 AM	1192.785	1504.669	1500.784	1419.999	4402.708	-96.178	-96.03	-95.048	-96.26
11/19/2023@04:30:00.000 AM	1022.314	1447.042	1430.022	1350.566	4203.427	-96.826	-96.552	-95.914	-96.997
11/19/2023@04:40:00.000 AM	1220.548	1576.89	1565.382	1486.694	4607.488	-96.331	-96.225	-95.349	-96.427
11/19/2023@04:50:00.000 AM	1336.599	1631.6	1613.993	1536.761	4767.393	-96.044	-95.988	-94.999	-95.989
11/19/2023@05:00:00.000 AM	1265.121	1613.892	1592.578	1527.455	4713.761	-96.164	-96.217	-95.354	-96.331
11/19/2023@05:10:00.000 AM	1284.954	1584.397	1577.849	1482.915	4623.88	-96.127	-95.782	-94.909	-96.061
11/19/2023@05:20:00.000 AM	1211.164	1562.229	1539.9	1470.398	4551.862	-96.253	-96.199	-95.396	-96.395

11/19/2023@05:30:00.000 AM	1109.443	1514.977	1511.004	1411.537	4415.767	-96.833	-96.429	-95.647	-96.792
11/19/2023@05:40:00.000 AM	1161.005	1524.716	1502.102	1440.328	4445.537	-96.317	-96.334	-95.51	-96.529
11/19/2023@05:50:00.000 AM	1239.672	1582.225	1549.709	1500.932	4613.287	-96.031	-96.264	-95.431	-96.322
11/19/2023@06:00:00.000 AM	1237.762	1574.02	1582.677	1497.106	4633.585	-96.409	-96.298	-95.092	-96.366
11/19/2023@06:10:00.000 AM	1280.917	1570.952	1570.671	1501.193	4622.714	-96.021	-96.088	-94.86	-96.084
11/19/2023@06:20:00.000 AM	1197.099	1571.134	1552.357	1488.777	4591.356	-96.352	-96.423	-95.508	-96.541
11/19/2023@06:30:00.000 AM	1121.926	1576.686	1576.129	1485.628	4618.312	-96.999	-96.799	-95.913	-97.004
11/19/2023@06:40:00.000 AM	1170.991	1588.298	1567.015	1511.775	4647.556	-96.538	-96.728	-95.819	-96.774
11/19/2023@06:50:00.000 AM	1137.929	1572.668	1552.566	1505.336	4611.144	-96.646	-96.897	-95.94	-96.907
11/19/2023@07:00:00.000 AM	1123.518	1547.292	1519.829	1482.635	4530.794	-96.558	-96.883	-95.964	-96.877
11/19/2023@07:10:00.000 AM	1187.794	1547.671	1559.978	1474.939	4561.551	-96.578	-96.458	-95.242	-96.55
11/19/2023@07:20:00.000 AM	1130.959	1512.679	1599.651	1458.549	4550.423	-97.372	-96.983	-94.842	-96.862
11/19/2023@07:30:00.000 AM	1163.659	1568.486	1542.873	1491.98	4583.194	-96.443	-96.659	-95.778	-96.723
11/19/2023@07:40:00.000 AM	1166.134	1573.59	1560.845	1482.318	4597.855	-96.689	-96.549	-95.731	-96.73
11/19/2023@07:50:00.000 AM	1141.028	1551.194	1537.711	1457.528	4526.587	-96.719	-96.517	-95.776	-96.771
11/19/2023@08:00:00.000 AM	1203.145	1606.864	1605.272	1498.314	4695.21	-96.922	-96.464	-95.609	-96.661

11/19/2023@08:10:00.000 AM	1162.629	1597.862	1559.756	1482.26	4620.764	-96.689	-96.423	-96.014	-96.783
11/19/2023@08:20:00.000 AM	1181.568	1596.509	1584.458	1508.376	4675.281	-96.837	-96.757	-95.759	-96.754
11/19/2023@08:30:00.000 AM	1132.721	1583.493	1559.964	1488.642	4613.535	-96.855	-96.734	-96.035	-96.939
11/19/2023@08:40:00.000 AM	1088.535	1520.466	1513.914	1427.241	4442.082	-96.972	-96.688	-95.881	-96.951
11/19/2023@08:50:00.000 AM	1060.793	1538.135	1538.115	1446.761	4502.304	-97.204	-96.905	-96.071	-97.185
11/19/2023@09:00:00.000 AM	1016.611	1544.621	1522.805	1459.36	4506.534	-97.221	-97.205	-96.51	-97.422
11/19/2023@09:10:00.000 AM	1089.999	1577.419	1558.957	1485.891	4602.278	-97.029	-96.946	-96.202	-97.155
11/19/2023@09:20:00.000 AM	1106.034	1569.686	1587.997	1490.821	4632.903	-97.314	-97.112	-95.873	-97.108
11/19/2023@09:30:00.000 AM	1049.807	1521.551	1518.413	1425.073	4444.132	-97.172	-96.844	-96.089	-97.17
11/19/2023@09:40:00.000 AM	1042.422	1523.136	1514.889	1429.37	4446.38	-97.143	-96.92	-96.169	-97.213
11/19/2023@09:50:00.000 AM	1048.27	1561.892	1551.065	1480.759	4578.671	-97.341	-97.35	-96.352	-97.344
11/19/2023@10:00:00.000 AM	1055.467	1550.501	1524.724	1469.345	4525.864	-97.005	-97.126	-96.377	-97.243
11/19/2023@10:10:00.000 AM	1077.368	1610.081	1585.397	1519.281	4698.019	-97.152	-97.301	-96.492	-97.335
11/19/2023@10:20:00.000 AM	1017.771	1537.546	1527.24	1436.316	4482.079	-97.389	-97.075	-96.428	-97.388
11/19/2023@10:30:00.000 AM	1007.191	1510.765	1493.726	1410.685	4394.959	-97.243	-97.013	-96.391	-97.339
11/19/2023@10:40:00.000 AM	976.423	1532.624	1507.54	1433.344	4455.104	-97.407	-97.323	-96.747	-97.569

11/19/2023@10:50:00.000 AM	1007.794	1538.947	1516.776	1455.324	4494.33	-97.352	-97.324	-96.577	-97.453
11/19/2023@11:00:00.000 AM	1009.392	1524.107	1514.969	1422.91	4442.365	-97.297	-97.134	-96.401	-97.384
11/19/2023@11:10:00.000 AM	1076.568	1573.999	1585.586	1478.495	4617.017	-97.216	-97.064	-96.081	-97.244
11/19/2023@11:20:00.000 AM	972.96	1540.746	1521.534	1458.355	4502.346	-97.467	-97.502	-96.734	-97.637
11/19/2023@11:30:00.000 AM	970.874	1551.926	1535.333	1471.571	4540.635	-97.398	-97.708	-96.763	-97.687
11/19/2023@11:40:00.000 AM	991.321	1562.229	1537.553	1470.314	4552.613	-97.437	-97.463	-96.757	-97.601
11/19/2023@11:50:00.000 AM	1077.901	1586.495	1561.562	1489.668	4621.06	-96.963	-97.275	-96.415	-97.241
11/19/2023@12:00:00.000 PM	1051.123	1577.654	1552.493	1476.29	4589.214	-97.063	-97.329	-96.516	-97.342
11/19/2023@12:10:00.000 PM	1033.222	1550.932	1530.464	1454.573	4518.654	-97.221	-97.193	-96.497	-97.351
11/19/2023@12:20:00.000 PM	1085.979	1609.229	1587.597	1506.059	4683.471	-96.997	-97.142	-96.457	-97.275
11/19/2023@12:30:00.000 PM	1132.376	1609.057	1595.286	1513.296	4698.125	-96.788	-96.989	-96.147	-97.052
11/19/2023@12:40:00.000 PM	1029.215	1535.794	1505.823	1447.456	4469.822	-96.883	-97.262	-96.528	-97.313
11/19/2023@12:50:00.000 PM	994.188	1499.429	1473.629	1423.068	4375.779	-96.871	-97.379	-96.54	-97.385
11/19/2023@01:00:00.000 PM	989.897	1492.584	1466.527	1405.004	4344.255	-96.932	-97.3	-96.53	-97.369
11/19/2023@01:10:00.000 PM	1103.411	1558.314	1552.959	1466.484	4561.032	-96.939	-97	-96.051	-97.03
11/19/2023@01:20:00.000 PM	1036.828	1510.917	1489.439	1416.754	4396.26	-96.784	-97.08	-96.274	-97.179

11/19/2023@01:30:00.000 PM	1039.717	1511.28	1497.581	1422.262	4409.589	-96.795	-97.107	-96.197	-97.181
11/19/2023@01:40:00.000 PM	1026.938	1497.147	1477.428	1401.638	4354.506	-96.791	-97.03	-96.246	-97.179
11/19/2023@01:50:00.000 PM	1027.369	1509.966	1501.577	1415.726	4405.864	-96.931	-97.11	-96.248	-97.243
11/19/2023@02:00:00.000 PM	1022.542	1526.096	1506.802	1437.572	4448.893	-96.877	-97.253	-96.409	-97.323

Cap. 4. Nesimetrii, Frecvente, Armonice de tensiune pe fundamentala

Nesimetriile sunt de doua feluri, de tensiune (V unbal) si de Curent electric (I unbal) / :

Conceptul de Nesimetrii:

Nesimetriile electrice se referă la dezechilibre în distribuția tensiunii sau curentului într-un sistem electric, care pot afecta negativ eficiența și funcționarea echipamentelor.
Nesimetrii de Tensiune (V_unbal):

Aceste nesimetrii apar atunci când tensiunea nu este uniform distribuită între diferitele faze ale unui sistem de curent alternativ. Problemele pot fi cauzate de defecțiuni în rețea, echipamente defecte sau conexiuni greșite.

Nesimetriile de tensiune pot duce la încălzire inegală a echipamentelor, scăderea eficienței și chiar avarii ale echipamentelor electrice.

Nesimetrii de Curent (I_unbal):

Se referă la diferențele de curent între fazele unui sistem electric. Într-un sistem trifazat, curentul poate să nu fie uniform distribuit între faze.

Aceste diferențe pot fi cauzate de sarcini inegale, defecțiuni ale echipamentelor sau dezechilibre în alimentare.

Impactul Nesimetriilor:

Nesimetriile de tensiune și curent pot genera pierderi de energie, reducerea performanței echipamentelor și probleme de siguranță. Este important să se monitorizeze și să se corecteze aceste dezechilibre pentru a asigura un sistem electric eficient și sigur.

Strategii de Corectare:

Corectarea nesimetriilor implică echilibrarea sarcinilor, întreținerea regulată a echipamentelor și utilizarea unor dispozitive care ajustează factorul de putere sau echilibrează sarcinile între faze.

Instrumente pentru Măsurare:

Sunt disponibile diverse instrumente și metode, cum ar fi analizatoarele de rețea și măsurătoarele trifazate, pentru a detecta și evalua nesimetriile, facilitând identificarea problemelor și aplicarea soluțiilor adecvate.

timestamp	V unbal	I unbal	Freq	V1 HD 1	V1 HD 3	V2 HD 1	V3 HD 1
11/12/2023@03:20:00.000 PM	0.357	3.701	50.007	100	0	100	100
11/12/2023@03:30:00.000 PM	0.342	3.216	49.988	100	0	100	100
11/12/2023@03:40:00.000 PM	0.276	2.885	49.987	100	0	100	100
11/12/2023@03:50:00.000 PM	0.305	3.378	49.999	100	0	100	100
11/12/2023@04:00:00.000 PM	0.298	3.018	49.979	100	0	100	100
11/12/2023@04:10:00.000 PM	0.291	3.087	49.976	100	0	100	100
11/12/2023@04:20:00.000 PM	0.326	3.16	50.007	100	0	100	100
11/12/2023@04:30:00.000 PM	0.387	3.511	49.997	100	0	100	100
11/12/2023@04:40:00.000 PM	0.311	3.078	50.011	100	0	100	100
11/12/2023@04:50:00.000 PM	0.256	2.765	50.013	100	0	100	100
11/12/2023@05:00:00.000 PM	0.387	3.36	50.015	100	0	100	100
11/12/2023@05:10:00.000 PM	0.406	3.272	49.993	100	0	100	100
11/12/2023@05:20:00.000 PM	0.32	2.554	49.997	100	0	100	100
11/12/2023@05:30:00.000 PM	0.297	2.803	49.99	100	0	100	100

11/12/2023@05:40:00.000 PM	0.38	3.659	49.98	100	0	100	100
11/12/2023@05:50:00.000 PM	0.417	3.501	50.022	100	0	100	100
11/12/2023@06:00:00.000 PM	0.406	3.171	49.972	100	0	100	100
11/12/2023@06:10:00.000 PM	0.462	3.372	49.978	100	0	100	100
11/12/2023@06:20:00.000 PM	0.443	3.756	49.978	100	0	100	100
11/12/2023@06:30:00.000 PM	0.459	3.699	50	100	0	100	100
11/12/2023@06:40:00.000 PM	0.405	3.27	49.971	100	0	100	100
11/12/2023@06:50:00.000 PM	0.386	2.837	49.975	100	0	100	100
11/12/2023@07:00:00.000 PM	0.407	2.921	49.995	100	0	100	100
11/12/2023@07:10:00.000 PM	0.383	2.787	49.988	100	0	100	100
11/12/2023@07:20:00.000 PM	0.35	2.591	49.986	100	0	100	100
11/12/2023@07:30:00.000 PM	0.364	2.436	49.97	100	0	100	100
11/12/2023@07:40:00.000 PM	0.445	3.052	49.961	100	0	100	100
11/12/2023@07:50:00.000 PM	0.42	2.852	49.936	100	0	100	100
11/12/2023@08:00:00.000 PM	0.351	2.543	50.055	100	0	100	100
11/12/2023@08:10:00.000 PM	0.893	6.136	50.028	100	0.635	100	100

11/12/2023@08:20:00.000 PM	0.461	2.973	49.99	100	0	100	100
11/12/2023@08:30:00.000 PM	0.334	2.171	50.018	100	0	100	100
11/12/2023@08:40:00.000 PM	0.51	3.701	49.975	100	0.377	100	100
11/12/2023@08:50:00.000 PM	0.604	4.509	50.003	100	0.476	100	100
11/12/2023@09:00:00.000 PM	0.381	2.746	50.03	100	0	100	100
11/12/2023@09:10:00.000 PM	0.41	2.84	50.007	100	0	100	100
11/12/2023@09:20:00.000 PM	0.341	2.551	49.975	100	0	100	100
11/12/2023@09:30:00.000 PM	0.359	2.805	50	100	0	100	100
11/12/2023@09:40:00.000 PM	0.467	3.651	50.011	100	0	100	100
11/12/2023@09:50:00.000 PM	0.348	2.36	50.002	100	0	100	100
11/12/2023@10:00:00.000 PM	0.34	2.5	49.969	100	0	100	100
11/12/2023@10:10:00.000 PM	0.422	3.255	50.016	100	0	100	100
11/12/2023@10:20:00.000 PM	0.346	2.971	50.018	100	0	100	100
11/12/2023@10:30:00.000 PM	0.401	3.186	49.998	100	0	100	100
11/12/2023@10:40:00.000 PM	0.442	3.433	50.004	100	0	100	100
11/12/2023@10:50:00.000 PM	0.405	3.096	50.007	100	0	100	100

11/12/2023@11:00:00.000 PM	0.421	3.213	49.958	100	0	100	100
11/12/2023@11:10:00.000 PM	0.367	3.05	50.004	100	0	100	100
11/12/2023@11:20:00.000 PM	0.368	2.936	49.987	100	0	100	100
11/12/2023@11:30:00.000 PM	0.556	4.542	50.009	100	0	100	100
11/12/2023@11:40:00.000 PM	0.361	3.01	50.02	100	0	100	100
11/12/2023@11:50:00.000 PM	0.249	2.599	50.009	100	0	100	100
11/13/2023@12:00:00.000 AM	0.523	4.83	49.955	100	0	100	100
11/13/2023@12:10:00.000 AM	0.522	4.575	50.006	100	0	100	100
11/13/2023@12:20:00.000 AM	0.318	2.618	50.01	100	0	100	100
11/13/2023@12:30:00.000 AM	0.509	3.744	49.987	100	0.354	100	100
11/13/2023@12:40:00.000 AM	0.41	2.874	50.024	100	0	100	100
11/13/2023@12:50:00.000 AM	0.387	3.439	50.027	100	0	100	100
11/13/2023@01:00:00.000 AM	0.289	2.867	49.957	100	0	100	100
11/13/2023@01:10:00.000 AM	0.375	3.424	50.016	100	0	100	100
11/13/2023@01:20:00.000 AM	0.533	4.336	49.994	100	0.365	100	100
11/13/2023@01:30:00.000 AM	0.512	4.303	49.988	100	0.325	100	100

11/13/2023@01:40:00.000 AM	0.36	3.039	50.017	100	0	100	100
11/13/2023@01:50:00.000 AM	0.318	2.938	50.012	100	0	100	100
11/13/2023@02:00:00.000 AM	0.376	3.204	50.01	100	0	100	100
11/13/2023@02:10:00.000 AM	0.478	4.267	49.973	100	0	100	100
11/13/2023@02:20:00.000 AM	0.42	3.531	50.026	100	0	100	100
11/13/2023@02:30:00.000 AM	0.352	3.095	49.975	100	0	100	100
11/13/2023@02:40:00.000 AM	0.331	3.1	50.019	100	0	100	100
11/13/2023@02:50:00.000 AM	0.393	3.49	50.022	100	0	100	100
11/13/2023@03:00:00.000 AM	0.376	3.261	50.006	100	0	100	100
11/13/2023@03:10:00.000 AM	0.324	3.024	49.986	100	0	100	100
11/13/2023@03:20:00.000 AM	0.299	2.797	50.009	100	0	100	100
11/13/2023@03:30:00.000 AM	0.415	3.491	50.012	100	0	100	100
11/13/2023@03:40:00.000 AM	0.403	3.491	50.025	100	0	100	100
11/13/2023@03:50:00.000 AM	0.438	3.374	49.993	100	0	100	100
11/13/2023@04:00:00.000 AM	0.35	2.752	49.977	100	0	100	100
11/13/2023@04:10:00.000 AM	0.391	3.584	49.993	100	0	100	100

11/13/2023@04:20:00.000 AM	0.268	2.613	50.013	100	0	100	100
11/13/2023@04:30:00.000 AM	0.376	3.674	50.027	100	0	100	100
11/13/2023@04:40:00.000 AM	0.365	3.478	50.007	100	0	100	100
11/13/2023@04:50:00.000 AM	0.38	3.483	50.048	100	0	100	100
11/13/2023@05:00:00.000 AM	0.412	1.741	49.986	100	0	100	100
11/13/2023@05:10:00.000 AM	0.431	3.827	50.012	100	0	100	100
11/13/2023@05:20:00.000 AM	0.474	3.953	50.01	100	0	100	100
11/13/2023@05:30:00.000 AM	0.379	3.431	49.984	100	0	100	100
11/13/2023@05:40:00.000 AM	0.535	4.367	50.017	100	0	100	100
11/13/2023@05:50:00.000 AM	0.422	3.403	50.008	100	0	100	100
11/13/2023@06:00:00.000 AM	0.559	4.396	49.981	100	0.567	100	100
11/13/2023@06:10:00.000 AM	0.574	4.248	49.995	100	0.486	100	100
11/13/2023@06:20:00.000 AM	0.313	2.692	50.013	100	0	100	100
11/13/2023@06:30:00.000 AM	0.354	3.013	49.989	100	0	100	100
11/13/2023@06:40:00.000 AM	0.326	3.247	50.004	100	0	100	100
11/13/2023@06:50:00.000 AM	0.345	3.208	50.004	100	0	100	100

11/13/2023@07:00:00.000 AM	0.344	3.457	49.972	100	0	100	100
11/13/2023@07:10:00.000 AM	0.443	3.592	49.978	100	0	100	100
11/13/2023@07:20:00.000 AM	0.458	3.794	50.004	100	0	100	100
11/13/2023@07:30:00.000 AM	0.522	4.232	49.98	100	0	100	100
11/13/2023@07:40:00.000 AM	0.46	4.222	49.976	100	0	100	100
11/13/2023@07:50:00.000 AM	0.59	5.007	49.996	100	0	100	100
11/13/2023@08:00:00.000 AM	0.419	3.71	50.005	100	0	100	100
11/13/2023@08:10:00.000 AM	0.463	3.845	50.01	100	0	100	100
11/13/2023@08:20:00.000 AM	0.506	4.317	50.017	100	0	100	100
11/13/2023@08:30:00.000 AM	0.49	3.691	50	100	0	100	100
11/13/2023@08:40:00.000 AM	0.459	4.334	49.991	100	0	100	100
11/13/2023@08:50:00.000 AM	0.492	4.464	49.974	100	0	100	100
11/13/2023@09:00:00.000 AM	0.531	4.714	50.062	100	0	100	100
11/13/2023@09:10:00.000 AM	0.623	5.154	49.969	100	0	100	100
11/13/2023@09:20:00.000 AM	0.543	4.439	50.023	100	0	100	100
11/13/2023@09:30:00.000 AM	0.45	4.324	50.002	100	0	100	100

11/13/2023@09:40:00.000 AM	0.553	4.717	49.991	100	0	100	100
11/13/2023@09:50:00.000 AM	0.469	4.472	50.025	100	0	100	100
11/13/2023@10:00:00.000 AM	0.616	5.587	50.034	100	0	100	100
11/13/2023@10:10:00.000 AM	0.597	5.387	50.001	100	0	100	100
11/13/2023@10:20:00.000 AM	0.589	4.756	50.008	100	0	100	100
11/13/2023@10:30:00.000 AM	0.534	4.436	50.004	100	0	100	100
11/13/2023@10:40:00.000 AM	0.513	4.348	50.006	100	0	100	100
11/13/2023@10:50:00.000 AM	0.524	4.507	49.991	100	0	100	100
11/13/2023@11:00:00.000 AM	0.483	4.208	50.015	100	0	100	100
11/13/2023@11:10:00.000 AM	0.507	4.099	50.005	100	0	100	100
11/13/2023@11:20:00.000 AM	0.686	5.133	49.99	100	0.35	100	100
11/13/2023@11:30:00.000 AM	0.481	4.406	49.981	100	0	100	100
11/13/2023@11:40:00.000 AM	0.484	4.219	50.01	100	0	100	100
11/13/2023@11:50:00.000 AM	0.499	4.258	49.986	100	0	100	100
11/13/2023@12:00:00.000 PM	0.615	5.029	49.988	100	0	100	100
11/13/2023@12:10:00.000 PM	0.456	3.674	49.978	100	0	100	100

11/13/2023@12:20:00.000 PM	0.49	4.063	49.981	100	0	100	100
11/13/2023@12:30:00.000 PM	0.673	5.015	49.992	100	0.535	100	100
11/13/2023@12:40:00.000 PM	0.631	5.156	50.014	100	0.398	100	100
11/13/2023@12:50:00.000 PM	0.461	4.238	50.013	100	0	100	100
11/13/2023@01:00:00.000 PM	0.507	4.274	49.962	100	0	100	100
11/13/2023@01:10:00.000 PM	0.476	4.303	49.988	100	0	100	100
11/13/2023@01:20:00.000 PM	0.546	4.579	49.99	100	0	100	100
11/13/2023@01:30:00.000 PM	0.481	4.757	50.001	100	0	100	100
11/13/2023@01:40:00.000 PM	0.442	4.461	50.016	100	0	100	100
11/13/2023@01:50:00.000 PM	0.445	4.705	49.993	100	0	100	100
11/13/2023@02:00:00.000 PM	0.414	4.376	50.014	100	0	100	100
11/13/2023@02:10:00.000 PM	0.439	4.205	49.998	100	0	100	100
11/13/2023@02:20:00.000 PM	0.465	4.361	50.011	100	0	100	100
11/13/2023@02:30:00.000 PM	0.472	4.219	50.015	100	0	100	100
11/13/2023@02:40:00.000 PM	0.437	4.487	50.009	100	0	100	100
11/13/2023@02:50:00.000 PM	0.505	4.25	49.991	100	0	100	100

11/13/2023@03:00:00.000 PM	0.47	4.048	49.973	100	0	100	100
11/13/2023@03:10:00.000 PM	0.694	5.666	49.986	100	0.373	100	100
11/13/2023@03:20:00.000 PM	0.538	5.206	49.985	100	0	100	100
11/13/2023@03:30:00.000 PM	0.485	4.581	50	100	0	100	100
11/13/2023@03:40:00.000 PM	0.507	4.237	50.014	100	0	100	100
11/13/2023@03:50:00.000 PM	0.448	4.39	50.002	100	0	100	100
11/13/2023@04:00:00.000 PM	0.556	5.042	49.998	100	0	100	100
11/13/2023@04:10:00.000 PM	0.526	4.272	49.99	100	0	100	100
11/13/2023@04:20:00.000 PM	0.529	4.345	50.008	100	0	100	100
11/13/2023@04:30:00.000 PM	0.509	4.546	49.986	100	0	100	100
11/13/2023@04:40:00.000 PM	0.539	4.567	50.003	100	0	100	100
11/13/2023@04:50:00.000 PM	0.617	4.774	50.001	100	0.319	100	100
11/13/2023@05:00:00.000 PM	0.569	4.658	49.979	100	0	100	100
11/13/2023@05:10:00.000 PM	0.609	4.752	49.983	100	0	100	100
11/13/2023@05:20:00.000 PM	0.531	3.73	49.98	100	0	100	100
11/13/2023@05:30:00.000 PM	0.592	5.217	49.978	100	0	100	100

11/13/2023@05:40:00.000 PM	0.519	4.164	50.006	100	0	100	100
11/13/2023@05:50:00.000 PM	0.518	4.046	49.993	100	0	100	100
11/13/2023@06:00:00.000 PM	0.494	3.98	50.021	100	0	100	100
11/13/2023@06:10:00.000 PM	0.597	5.228	49.983	100	0.311	100	100
11/13/2023@06:20:00.000 PM	0.544	4.554	49.993	100	0	100	100
11/13/2023@06:30:00.000 PM	0.496	4.541	49.978	100	0	100	100
11/13/2023@06:40:00.000 PM	0.496	4.507	49.97	100	0	100	100
11/13/2023@06:50:00.000 PM	0.601	5.389	49.993	100	0	100	100
11/13/2023@07:00:00.000 PM	0.549	5.126	50.03	100	0	100	100
11/13/2023@07:10:00.000 PM	0.515	4.489	49.998	100	0	100	100
11/13/2023@07:20:00.000 PM	0.507	4.824	49.989	100	0	100	100
11/13/2023@07:30:00.000 PM	0.575	5	50.01	100	0	100	100
11/13/2023@07:40:00.000 PM	0.542	4.542	49.977	100	0.308	100	100
11/13/2023@07:50:00.000 PM	0.561	4.38	49.966	100	0	100	100
11/13/2023@08:00:00.000 PM	0.488	3.733	50.086	100	0	100	100
11/13/2023@08:10:00.000 PM	0.52	4.042	49.975	100	0	100	100

11/13/2023@08:20:00.000 PM	0.618	4.601	50.008	100	0	100	100
11/13/2023@08:30:00.000 PM	0.659	4.743	49.994	100	0	100	100
11/13/2023@08:40:00.000 PM	0.516	3.606	49.976	100	0	100	100
11/13/2023@08:50:00.000 PM	0.511	3.707	49.949	100	0	100	100
11/13/2023@09:00:00.000 PM	0.43	3.422	50.037	100	0	100	100
11/13/2023@09:10:00.000 PM	0.453	3.926	50.032	100	0	100	100
11/13/2023@09:20:00.000 PM	0.383	2.998	49.99	100	0	100	100
11/13/2023@09:30:00.000 PM	0.398	2.691	49.986	100	0	100	100
11/13/2023@09:40:00.000 PM	0.484	3.859	49.99	100	0	100	100
11/13/2023@09:50:00.000 PM	0.435	2.747	50.008	100	0	100	100
11/13/2023@10:00:00.000 PM	0.481	3.193	50.004	100	0	100	100
11/13/2023@10:10:00.000 PM	0.655	4.957	49.993	100	0.333	100	100
11/13/2023@10:20:00.000 PM	0.47	3.544	50.017	100	0	100	100
11/13/2023@10:30:00.000 PM	0.561	4.311	49.958	100	0	100	100
11/13/2023@10:40:00.000 PM	0.464	4.018	50.019	100	0	100	100
11/13/2023@10:50:00.000 PM	0.443	3.989	50.015	100	0	100	100

11/13/2023@11:00:00.000 PM	0.516	4.412	49.917	100	0	100	100
11/13/2023@11:10:00.000 PM	0.502	3.996	49.996	100	0	100	100
11/13/2023@11:20:00.000 PM	0.484	3.731	49.988	100	0.302	100	100
11/13/2023@11:30:00.000 PM	0.433	3.385	50.007	100	0	100	100
11/13/2023@11:40:00.000 PM	0.425	3.291	50.016	100	0	100	100
11/13/2023@11:50:00.000 PM	0.374	2.901	49.996	100	0	100	100
11/14/2023@12:00:00.000 AM	0.467	3.735	49.942	100	0	100	100
11/14/2023@12:10:00.000 AM	0.467	3.473	49.985	100	0	100	100
11/14/2023@12:20:00.000 AM	0.38	2.836	49.984	100	0	100	100
11/14/2023@12:30:00.000 AM	0.416	3.154	49.993	100	0	100	100
11/14/2023@12:40:00.000 AM	0.434	3.67	49.999	100	0	100	100
11/14/2023@12:50:00.000 AM	0.498	4.026	50.017	100	0	100	100
11/14/2023@01:00:00.000 AM	0.437	3.791	49.973	100	0	100	100
11/14/2023@01:10:00.000 AM	0.427	3.328	49.971	100	0	100	100
11/14/2023@01:20:00.000 AM	0.376	2.879	49.999	100	0	100	100
11/14/2023@01:30:00.000 AM	0.354	2.725	49.979	100	0	100	100

11/14/2023@01:40:00.000 AM	0.431	3.451	50.014	100	0	100	100
11/14/2023@01:50:00.000 AM	0.392	3.207	50.02	100	0	100	100
11/14/2023@02:00:00.000 AM	0.428	3.963	49.969	100	0	100	100
11/14/2023@02:10:00.000 AM	0.433	3.703	50.004	100	0	100	100
11/14/2023@02:20:00.000 AM	0.454	3.794	50.024	100	0	100	100
11/14/2023@02:30:00.000 AM	0.42	3.547	50.002	100	0	100	100
11/14/2023@02:40:00.000 AM	0.394	3.567	50.022	100	0	100	100
11/14/2023@02:50:00.000 AM	0.419	3.217	50.035	100	0	100	100
11/14/2023@03:00:00.000 AM	0.436	3.678	50.012	100	0	100	100
11/14/2023@03:10:00.000 AM	0.41	3.288	49.978	100	0	100	100
11/14/2023@03:20:00.000 AM	0.427	3.244	50.016	100	0	100	100
11/14/2023@03:30:00.000 AM	0.434	3.552	50.008	100	0	100	100
11/14/2023@03:40:00.000 AM	0.429	3.677	50.027	100	0	100	100
11/14/2023@03:50:00.000 AM	0.431	3.779	50.015	100	0	100	100
11/14/2023@04:00:00.000 AM	0.432	3.361	49.966	100	0	100	100
11/14/2023@04:10:00.000 AM	0.453	3.457	49.992	100	0	100	100

11/14/2023@04:20:00.000 AM	0.464	3.72	50.009	100	0	100	100
11/14/2023@04:30:00.000 AM	0.456	4.147	49.998	100	0	100	100
11/14/2023@04:40:00.000 AM	0.447	3.824	50.016	100	0	100	100
11/14/2023@04:50:00.000 AM	0.436	3.978	49.982	100	0	100	100
11/14/2023@05:00:00.000 AM	0.455	3.842	49.975	100	0	100	100
11/14/2023@05:10:00.000 AM	0.427	3.484	50.001	100	0	100	100
11/14/2023@05:20:00.000 AM	0.444	3.731	50.002	100	0	100	100
11/14/2023@05:30:00.000 AM	0.458	3.904	49.983	100	0	100	100
11/14/2023@05:40:00.000 AM	0.446	3.903	50.007	100	0	100	100
11/14/2023@05:50:00.000 AM	0.379	3.019	50.008	100	0	100	100
11/14/2023@06:00:00.000 AM	0.436	3.78	49.967	100	0	100	100
11/14/2023@06:10:00.000 AM	0.453	3.339	49.984	100	0	100	100
11/14/2023@06:20:00.000 AM	0.493	3.779	50.018	100	0	100	100
11/14/2023@06:30:00.000 AM	0.463	3.884	50.003	100	0	100	100
11/14/2023@06:40:00.000 AM	0.503	4.488	49.997	100	0	100	100
11/14/2023@06:50:00.000 AM	0.564	4.68	50.001	100	0	100	100

11/14/2023@07:00:00.000 AM	0.376	3.069	49.998	100	0	100	100
11/14/2023@07:10:00.000 AM	0.441	3.585	50.006	100	0	100	100
11/14/2023@07:20:00.000 AM	0.345	2.981	50.008	100	0	100	100
11/14/2023@07:30:00.000 AM	0.368	2.886	49.985	100	0	100	100
11/14/2023@07:40:00.000 AM	0.405	3.328	50.027	100	0	100	100
11/14/2023@07:50:00.000 AM	0.438	3.086	50.014	100	0	100	100
11/14/2023@08:00:00.000 AM	0.394	2.865	50.014	100	0	100	100
11/14/2023@08:10:00.000 AM	0.388	3.108	49.989	100	0	100	100
11/14/2023@08:20:00.000 AM	0.411	3.372	49.992	100	0	100	100
11/14/2023@08:30:00.000 AM	0.386	2.794	50.016	100	0	100	100
11/14/2023@08:40:00.000 AM	0.295	2.067	49.979	100	0	100	100
11/14/2023@08:50:00.000 AM	0.408	3.173	49.966	100	0	100	100
11/14/2023@09:00:00.000 AM	0.426	2.837	50.075	100	0	100	100
11/14/2023@09:10:00.000 AM	0.491	4.405	49.984	100	0.387	100	100
11/14/2023@09:20:00.000 AM	0.397	3.174	50.013	100	0	100	100
11/14/2023@09:30:00.000 AM	0.441	3.935	50.019	100	0	100	100

11/14/2023@09:40:00.000 AM	0.458	4.082	49.986	100	0	100	100
11/14/2023@09:50:00.000 AM	0.445	4.063	49.988	100	0	100	100
11/14/2023@10:00:00.000 AM	0.458	4.087	50.026	100	0	100	100
11/14/2023@10:10:00.000 AM	0.431	3.419	49.996	100	0	100	100
11/14/2023@10:20:00.000 AM	0.468	3.372	49.99	100	0	100	100
11/14/2023@10:30:00.000 AM	0.432	3.239	49.982	100	0	100	100
11/14/2023@10:40:00.000 AM	0.4	3.391	49.993	100	0	100	100
11/14/2023@10:50:00.000 AM	0.384	3.419	49.989	100	0	100	100
11/14/2023@11:00:00.000 AM	0.493	4.011	50.012	100	0.362	100	100
11/14/2023@11:10:00.000 AM	0.433	3.135	50.009	100	0	100	100
11/14/2023@11:20:00.000 AM	0.623	4.929	50.009	100	0.464	100	100
11/14/2023@11:30:00.000 AM	0.511	4.107	49.967	100	0.399	100	100
11/14/2023@11:40:00.000 AM	0.425	3.777	49.98	100	0	100	100
11/14/2023@11:50:00.000 AM	0.425	3.592	50.01	100	0	100	100
11/14/2023@12:00:00.000 PM	0.532	4.279	49.975	100	0.321	100	100
11/14/2023@12:10:00.000 PM	0.405	3.212	49.984	100	0	100	100

11/14/2023@12:20:00.000 PM	0.4	3.237	50.016	100	0	100	100
11/14/2023@12:30:00.000 PM	0.367	3.003	49.976	100	0	100	100
11/14/2023@12:40:00.000 PM	0.407	3.216	50.004	100	0	100	100
11/14/2023@12:50:00.000 PM	0.37	3.065	50.005	100	0	100	100
11/14/2023@01:00:00.000 PM	0.507	3.921	49.977	100	0.325	100	100
11/14/2023@01:10:00.000 PM	0.378	3.501	49.992	100	0	100	100
11/14/2023@01:20:00.000 PM	0.428	3.679	49.994	100	0	100	100
11/14/2023@01:30:00.000 PM	0.375	2.96	50.007	100	0	100	100
11/14/2023@01:40:00.000 PM	0.38	3.095	50.023	100	0	100	100
11/14/2023@01:50:00.000 PM	0.375	3.103	50.014	100	0	100	100
11/14/2023@02:00:00.000 PM	0.356	3.099	50.012	100	0	100	100
11/14/2023@02:10:00.000 PM	0.426	3.482	50.003	100	0	100	100
11/14/2023@02:20:00.000 PM	0.334	2.509	49.99	100	0	100	100
11/14/2023@02:30:00.000 PM	0.497	3.411	49.984	100	0.381	100	100
11/14/2023@02:40:00.000 PM	0.528	3.711	50.01	100	0.368	100	100
11/14/2023@02:50:00.000 PM	0.534	4.959	49.997	100	0	100	100

11/14/2023@03:00:00.000 PM	0.429	3.605	49.986	100	0	100	100
11/14/2023@03:10:00.000 PM	0.499	3.909	50.01	100	0	100	100
11/14/2023@03:20:00.000 PM	0.456	3.584	49.988	100	0	100	100
11/14/2023@03:30:00.000 PM	0.391	2.801	49.997	100	0	100	100
11/14/2023@03:40:00.000 PM	0.408	3.087	49.995	100	0	100	100
11/14/2023@03:50:00.000 PM	0.468	3.838	50.006	100	0.33	100	100
11/14/2023@04:00:00.000 PM	0.48	3.845	50.035	100	0.378	100	100
11/14/2023@04:10:00.000 PM	0.404	2.996	49.995	100	0	100	100
11/14/2023@04:20:00.000 PM	0.395	2.913	50.019	100	0	100	100
11/14/2023@04:30:00.000 PM	0.424	3.113	49.997	100	0	100	100
11/14/2023@04:40:00.000 PM	0.403	3.289	49.979	100	0	100	100
11/14/2023@04:50:00.000 PM	0.427	3.415	49.995	100	0	100	100
11/14/2023@05:00:00.000 PM	0.49	3.786	50.033	100	0	100	100
11/14/2023@05:10:00.000 PM	0.484	3.864	49.98	100	0.324	100	100
11/14/2023@05:20:00.000 PM	0.467	4.102	49.978	100	0.331	100	100
11/14/2023@05:30:00.000 PM	0.4	3.065	49.983	100	0	100	100

11/14/2023@05:40:00.000 PM	0.439	3.498	49.98	100	0	100	100
11/14/2023@05:50:00.000 PM	0.391	3.185	49.987	100	0	100	100
11/14/2023@06:00:00.000 PM	0.466	3.839	49.999	100	0.329	100	100
11/14/2023@06:10:00.000 PM	0.6	4.688	50.01	100	0.425	100	100
11/14/2023@06:20:00.000 PM	0.379	3.421	49.994	100	0	100	100
11/14/2023@06:30:00.000 PM	0.403	3.067	49.987	100	0	100	100
11/14/2023@06:40:00.000 PM	0.373	2.827	49.964	100	0	100	100
11/14/2023@06:50:00.000 PM	0.401	3.093	49.986	100	0	100	100
11/14/2023@07:00:00.000 PM	0.363	3.142	50.038	100	0	100	100
11/14/2023@07:10:00.000 PM	0.466	3.918	50.004	100	0	100	100
11/14/2023@07:20:00.000 PM	0.503	3.739	49.998	100	0	100	100
11/14/2023@07:30:00.000 PM	0.43	3.138	49.993	100	0	100	100
11/14/2023@07:40:00.000 PM	0.427	3.241	49.995	100	0	100	100
11/14/2023@07:50:00.000 PM	0.376	3.19	49.982	100	0	100	100
11/14/2023@08:00:00.000 PM	0.458	4.103	50.041	100	0	100	100
11/14/2023@08:10:00.000 PM	0.524	3.621	49.998	100	0.314	100	100

11/14/2023@08:20:00.000 PM	0.473	3.387	49.989	100	0.311	100	100
11/14/2023@08:30:00.000 PM	0.384	3.007	49.977	100	0	100	100
11/14/2023@08:40:00.000 PM	0.389	3.089	49.987	100	0	100	100
11/14/2023@08:50:00.000 PM	0.456	3.594	49.995	100	0	100	100
11/14/2023@09:00:00.000 PM	0.373	2.951	49.999	100	0	100	100
11/14/2023@09:10:00.000 PM	0.427	3.397	50.013	100	0	100	100
11/14/2023@09:20:00.000 PM	0.357	3.127	49.986	100	0	100	100
11/14/2023@09:30:00.000 PM	0.431	3.672	50.005	100	0	100	100
11/14/2023@09:40:00.000 PM	0.371	2.682	50.015	100	0	100	100
11/14/2023@09:50:00.000 PM	0.395	3.112	50.025	100	0	100	100
11/14/2023@10:00:00.000 PM	0.371	3.038	49.953	100	0	100	100
11/14/2023@10:10:00.000 PM	0.432	3.911	50	100	0	100	100
11/14/2023@10:20:00.000 PM	0.385	3.159	50.003	100	0	100	100
11/14/2023@10:30:00.000 PM	0.434	3.409	49.976	100	0	100	100
11/14/2023@10:40:00.000 PM	0.394	2.869	50.027	100	0	100	100
11/14/2023@10:50:00.000 PM	0.356	3.212	50.009	100	0	100	100

11/14/2023@11:00:00.000 PM	0.513	4.55	49.959	100	0	100	100
11/14/2023@11:10:00.000 PM	0.328	3.069	50.015	100	0	100	100
11/14/2023@11:20:00.000 PM	0.335	3.007	50.018	100	0	100	100
11/14/2023@11:30:00.000 PM	0.382	3.156	49.972	100	0	100	100
11/14/2023@11:40:00.000 PM	0.55	4.48	50.015	100	0	100	100
11/14/2023@11:50:00.000 PM	0.442	3.585	50.014	100	0	100	100
11/15/2023@12:00:00.000 AM	0.409	3.46	49.98	100	0	100	100
11/15/2023@12:10:00.000 AM	0.425	3.737	50.001	100	0	100	100
11/15/2023@12:20:00.000 AM	0.396	3.236	50.016	100	0	100	100
11/15/2023@12:30:00.000 AM	0.318	2.625	49.98	100	0	100	100
11/15/2023@12:40:00.000 AM	0.328	2.735	50.024	100	0	100	100
11/15/2023@12:50:00.000 AM	0.369	2.59	50.032	100	0	100	100
11/15/2023@01:00:00.000 AM	0.418	3.211	49.956	100	0	100	100
11/15/2023@01:10:00.000 AM	0.412	3.309	49.971	100	0	100	100
11/15/2023@01:20:00.000 AM	0.327	2.906	49.987	100	0	100	100
11/15/2023@01:30:00.000 AM	0.37	2.601	49.972	100	0	100	100

11/15/2023@01:40:00.000 AM	0.418	3.028	50.005	100	0	100	100
11/15/2023@01:50:00.000 AM	0.397	3.205	50.006	100	0	100	100
11/15/2023@02:00:00.000 AM	0.357	2.801	50.015	100	0	100	100
11/15/2023@02:10:00.000 AM	0.362	3.103	50.009	100	0	100	100
11/15/2023@02:20:00.000 AM	0.397	3.184	50.02	100	0.315	100	100
11/15/2023@02:30:00.000 AM	0.382	3.152	49.987	100	0	100	100
11/15/2023@02:40:00.000 AM	0.455	3.735	50.021	100	0	100	100
11/15/2023@02:50:00.000 AM	0.379	3.29	50.033	100	0	100	100
11/15/2023@03:00:00.000 AM	0.468	4.002	50.028	100	0.305	100	100
11/15/2023@03:10:00.000 AM	0.423	4.076	49.97	100	0	100	100
11/15/2023@03:20:00.000 AM	0.405	3.183	49.997	100	0	100	100
11/15/2023@03:30:00.000 AM	0.425	3.711	50.006	100	0	100	100
11/15/2023@03:40:00.000 AM	0.386	3.137	50.014	100	0	100	100
11/15/2023@03:50:00.000 AM	0.361	2.862	50.023	100	0	100	100
11/15/2023@04:00:00.000 AM	0.41	2.961	49.971	100	0	100	100
11/15/2023@04:10:00.000 AM	0.36	2.785	50.009	100	0	100	100

11/15/2023@04:20:00.000 AM	0.362	3.065	50.014	100	0	100	100
11/15/2023@04:30:00.000 AM	0.402	3.549	50.008	100	0	100	100
11/15/2023@04:40:00.000 AM	0.341	3.166	50.009	100	0	100	100
11/15/2023@04:50:00.000 AM	0.38	2.941	50.025	100	0	100	100
11/15/2023@05:00:00.000 AM	0.396	3.093	49.975	100	0	100	100
11/15/2023@05:10:00.000 AM	0.376	3.347	50.011	100	0	100	100
11/15/2023@05:20:00.000 AM	0.334	2.963	49.999	100	0	100	100
11/15/2023@05:30:00.000 AM	0.376	3.098	49.974	100	0	100	100
11/15/2023@05:40:00.000 AM	0.415	3.386	50.015	100	0	100	100
11/15/2023@05:50:00.000 AM	0.44	3.351	50.012	100	0	100	100
11/15/2023@06:00:00.000 AM	0.352	2.842	49.984	100	0	100	100
11/15/2023@06:10:00.000 AM	0.483	3.989	50.009	100	0	100	100
11/15/2023@06:20:00.000 AM	0.533	4.775	50.004	100	0	100	100
11/15/2023@06:30:00.000 AM	0.457	3.726	49.986	100	0	100	100
11/15/2023@06:40:00.000 AM	0.459	3.913	50	100	0	100	100
11/15/2023@06:50:00.000 AM	0.38	3.195	49.997	100	0	100	100

11/15/2023@07:00:00.000 AM	0.405	3.509	50.02	100	0	100	100
11/15/2023@07:10:00.000 AM	0.4	3.252	50.002	100	0	100	100
11/15/2023@07:20:00.000 AM	0.356	2.784	49.991	100	0	100	100
11/15/2023@07:30:00.000 AM	0.428	3.858	49.99	100	0	100	100
11/15/2023@07:40:00.000 AM	0.44	3.496	49.997	100	0	100	100
11/15/2023@07:50:00.000 AM	0.41	3.627	50.002	100	0	100	100
11/15/2023@08:00:00.000 AM	0.37	3.125	50.02	100	0	100	100
11/15/2023@08:10:00.000 AM	0.351	2.846	49.996	100	0	100	100
11/15/2023@08:20:00.000 AM	0.368	2.665	50.019	100	0	100	100
11/15/2023@08:30:00.000 AM	0.387	3.55	49.982	100	0	100	100
11/15/2023@08:40:00.000 AM	0.395	3.485	49.964	100	0	100	100
11/15/2023@08:50:00.000 AM	0.355	3.076	49.986	100	0	100	100
11/15/2023@09:00:00.000 AM	0.414	3.647	50.041	100	0	100	100
11/15/2023@09:10:00.000 AM	0.503	4.415	49.988	100	0	100	100
11/15/2023@09:20:00.000 AM	0.423	3.482	50.012	100	0	100	100
11/15/2023@09:30:00.000 AM	0.418	3.589	50.011	100	0	100	100

11/15/2023@09:40:00.000 AM	0.414	3.747	49.986	100	0	100	100
11/15/2023@09:50:00.000 AM	0.385	3.075	49.98	100	0	100	100
11/15/2023@10:00:00.000 AM	0.907	7.404	50.036	100	0.524	100	100
11/15/2023@10:10:00.000 AM	0.544	4.342	49.992	100	0.541	100	100
11/15/2023@10:20:00.000 AM	0.445	3.798	49.995	100	0	100	100
11/15/2023@10:30:00.000 AM	0.506	4.206	50.014	100	0.33	100	100
11/15/2023@10:40:00.000 AM	0.393	2.989	50.005	100	0	100	100
11/15/2023@10:50:00.000 AM	0.476	3.83	49.994	100	0	100	100
11/15/2023@11:00:00.000 AM	0.459	3.813	49.996	100	0	100	100
11/15/2023@11:10:00.000 AM	0.388	3.352	49.997	100	0	100	100
11/15/2023@11:20:00.000 AM	0.551	4.851	49.999	100	0	100	100
11/15/2023@11:30:00.000 AM	0.481	4.008	49.996	100	0.346	100	100
11/15/2023@11:40:00.000 AM	0.504	3.691	50.011	100	0.437	100	100
11/15/2023@11:50:00.000 AM	0.405	2.965	50.007	100	0	100	100
11/15/2023@12:00:00.000 PM	0.435	3.264	49.961	100	0	100	100
11/15/2023@12:10:00.000 PM	0.494	4.086	49.99	100	0.316	100	100

11/15/2023@12:20:00.000 PM	0.522	4.311	50.002	100	0.394	100	100
11/15/2023@12:30:00.000 PM	0.416	3.196	49.987	100	0	100	100
11/15/2023@12:40:00.000 PM	0.48	3.817	50.01	100	0	100	100
11/15/2023@12:50:00.000 PM	0.435	3.298	49.999	100	0	100	100
11/15/2023@01:00:00.000 PM	0.434	3.761	49.915	100	0	100	100
11/15/2023@01:10:00.000 PM	0.361	3.041	49.966	100	0	100	100
11/15/2023@01:20:00.000 PM	0.439	3.374	49.978	100	0.348	100	100
11/15/2023@01:30:00.000 PM	0.414	2.987	50.01	100	0	100	100
11/15/2023@01:40:00.000 PM	0.377	2.785	50.017	100	0	100	100
11/15/2023@01:50:00.000 PM	0.373	2.805	50.022	100	0	100	100
11/15/2023@02:00:00.000 PM	0.415	3.228	49.995	100	0	100	100
11/15/2023@02:10:00.000 PM	0.42	3.408	50.002	100	0	100	100
11/15/2023@02:20:00.000 PM	0.56	4.148	49.994	100	0.504	100	100
11/15/2023@02:30:00.000 PM	0.37	2.737	49.997	100	0	100	100
11/15/2023@02:40:00.000 PM	0.351	2.955	49.998	100	0	100	100
11/15/2023@02:50:00.000 PM	0.386	3.557	49.997	100	0	100	100

11/15/2023@03:00:00.000 PM	0.378	3.183	49.996	100	0	100	100
11/15/2023@03:10:00.000 PM	0.439	3.312	49.985	100	0	100	100
11/15/2023@03:20:00.000 PM	0.394	3.025	49.995	100	0	100	100
11/15/2023@03:30:00.000 PM	0.434	3.084	50.01	100	0	100	100
11/15/2023@03:40:00.000 PM	0.448	3.678	50.007	100	0	100	100
11/15/2023@03:50:00.000 PM	0.427	3.582	50.02	100	0	100	100
11/15/2023@04:00:00.000 PM	0.433	3.204	50.019	100	0	100	100
11/15/2023@04:10:00.000 PM	0.428	2.978	49.985	100	0	100	100
11/15/2023@04:20:00.000 PM	0.515	3.711	50.003	100	0.315	100	100
11/15/2023@04:30:00.000 PM	0.391	3.169	50	100	0	100	100
11/15/2023@04:40:00.000 PM	0.393	2.905	49.978	100	0	100	100
11/15/2023@04:50:00.000 PM	0.57	4.699	50.035	100	0.459	100	100
11/15/2023@05:00:00.000 PM	0.46	3.216	50.011	100	0	100	100
11/15/2023@05:10:00.000 PM	0.42	3.012	50.017	100	0	100	100
11/15/2023@05:20:00.000 PM	0.47	3.567	49.963	100	0	100	100
11/15/2023@05:30:00.000 PM	0.414	4.476	49.978	100	0	100	100

11/15/2023@05:40:00.000 PM	0.454	3.715	49.977	100	0	100	100
11/15/2023@05:50:00.000 PM	0.483	3.751	50.002	100	0	100	100
11/15/2023@06:00:00.000 PM	0.449	3.89	49.978	100	0.303	100	100
11/15/2023@06:10:00.000 PM	0.492	4.275	50.018	100	0.339	100	100
11/15/2023@06:20:00.000 PM	0.527	4.259	50.03	100	0	100	100
11/15/2023@06:30:00.000 PM	0.443	3.13	50.005	100	0	100	100
11/15/2023@06:40:00.000 PM	0.416	3.385	49.987	100	0	100	100
11/15/2023@06:50:00.000 PM	0.478	3.871	49.991	100	0	100	100
11/15/2023@07:00:00.000 PM	0.454	3.565	50.048	100	0	100	100
11/15/2023@07:10:00.000 PM	0.451	3.943	50.019	100	0	100	100
11/15/2023@07:20:00.000 PM	0.444	3.615	49.994	100	0	100	100
11/15/2023@07:30:00.000 PM	0.437	3.408	50.027	100	0	100	100
11/15/2023@07:40:00.000 PM	0.349	2.686	49.978	100	0	100	100
11/15/2023@07:50:00.000 PM	0.37	3.12	50.011	100	0	100	100
11/15/2023@08:00:00.000 PM	0.395	3.044	50.008	100	0	100	100
11/15/2023@08:10:00.000 PM	0.713	5.607	50.016	100	0.55	100	100

11/15/2023@08:20:00.000 PM	0.426	3.178	49.998	100	0	100	100
11/15/2023@08:30:00.000 PM	0.349	2.442	50.007	100	0	100	100
11/15/2023@08:40:00.000 PM	0.344	2.433	50.003	100	0	100	100
11/15/2023@08:50:00.000 PM	0.483	4.44	49.988	100	0	100	100
11/15/2023@09:00:00.000 PM	0.419	3.552	50.017	100	0	100	100
11/15/2023@09:10:00.000 PM	0.369	3.097	50.008	100	0	100	100
11/15/2023@09:20:00.000 PM	0.479	3.873	49.998	100	0	100	100
11/15/2023@09:30:00.000 PM	0.384	2.894	50.014	100	0	100	100
11/15/2023@09:40:00.000 PM	0.378	3.196	50.019	100	0.327	100	100
11/15/2023@09:50:00.000 PM	0.356	3.067	50.008	100	0	100	100
11/15/2023@10:00:00.000 PM	0.403	3.193	49.977	100	0	100	100
11/15/2023@10:10:00.000 PM	0.399	3.189	49.996	100	0	100	100
11/15/2023@10:20:00.000 PM	0.394	2.791	50.014	100	0	100	100
11/15/2023@10:30:00.000 PM	0.444	2.915	49.988	100	0	100	100
11/15/2023@10:40:00.000 PM	0.563	4.316	49.98	100	0.344	100	100
11/15/2023@10:50:00.000 PM	0.352	2.9	50.011	100	0	100	100

11/15/2023@11:00:00.000 PM	0.386	3.12	49.937	100	0	100	100
11/15/2023@11:10:00.000 PM	0.407	3.142	50.027	100	0	100	100
11/15/2023@11:20:00.000 PM	0.37	2.58	49.987	100	0	100	100
11/15/2023@11:30:00.000 PM	0.368	2.857	49.973	100	0	100	100
11/15/2023@11:40:00.000 PM	0.351	3.245	49.983	100	0	100	100
11/15/2023@11:50:00.000 PM	0.453	3.633	50.013	100	0	100	100
11/16/2023@12:00:00.000 AM	0.422	3.203	50.003	100	0.382	100	100
11/16/2023@12:10:00.000 AM	0.39	2.722	49.973	100	0	100	100
11/16/2023@12:20:00.000 AM	0.433	3.006	50.005	100	0	100	100
11/16/2023@12:30:00.000 AM	0.45	3.5	49.982	100	0	100	100
11/16/2023@12:40:00.000 AM	0.286	2.668	50.016	100	0	100	100
11/16/2023@12:50:00.000 AM	0.439	3.792	50.038	100	0.306	100	100
11/16/2023@01:00:00.000 AM	0.451	3.429	49.972	100	0	100	100
11/16/2023@01:10:00.000 AM	0.472	3.287	49.976	100	0	100	100
11/16/2023@01:20:00.000 AM	0.452	3.208	50	100	0	100	100
11/16/2023@01:30:00.000 AM	0.448	3.622	49.973	100	0	100	100

11/16/2023@01:40:00.000 AM	0.424	3.621	50.013	100	0	100	100
11/16/2023@01:50:00.000 AM	0.447	3.544	50.012	100	0	100	100
11/16/2023@02:00:00.000 AM	0.455	3.55	49.974	100	0	100	100
11/16/2023@02:10:00.000 AM	0.387	2.989	49.992	100	0	100	100
11/16/2023@02:20:00.000 AM	0.519	4.318	50.004	100	0	100	100
11/16/2023@02:30:00.000 AM	0.438	3.954	49.981	100	0	100	100
11/16/2023@02:40:00.000 AM	0.388	3.474	50.011	100	0	100	100
11/16/2023@02:50:00.000 AM	0.37	2.768	50.047	100	0	100	100
11/16/2023@03:00:00.000 AM	0.417	3.057	49.966	100	0	100	100
11/16/2023@03:10:00.000 AM	0.41	3.121	49.954	100	0	100	100
11/16/2023@03:20:00.000 AM	0.371	3.06	49.957	100	0	100	100
11/16/2023@03:30:00.000 AM	0.408	3.426	50.005	100	0	100	100
11/16/2023@03:40:00.000 AM	0.249	2.349	50.031	100	0	100	100
11/16/2023@03:50:00.000 AM	0.417	3.319	50.01	100	0	100	100
11/16/2023@04:00:00.000 AM	0.397	3.221	49.967	100	0	100	100
11/16/2023@04:10:00.000 AM	0.393	3.04	49.984	100	0	100	100

11/16/2023@04:20:00.000 AM	0.432	3.353	50.015	100	0	100	100
11/16/2023@04:30:00.000 AM	0.372	3.094	49.981	100	0	100	100
11/16/2023@04:40:00.000 AM	0.448	3.346	50.001	100	0	100	100
11/16/2023@04:50:00.000 AM	0.383	2.729	50.023	100	0	100	100
11/16/2023@05:00:00.000 AM	0.364	2.986	49.967	100	0	100	100
11/16/2023@05:10:00.000 AM	0.376	3.245	49.996	100	0	100	100
11/16/2023@05:20:00.000 AM	0.604	4.455	50.02	100	0.358	100	100
11/16/2023@05:30:00.000 AM	0.481	3.477	49.975	100	0	100	100
11/16/2023@05:40:00.000 AM	0.483	3.808	49.989	100	0	100	100
11/16/2023@05:50:00.000 AM	0.496	3.411	49.998	100	0	100	100
11/16/2023@06:00:00.000 AM	0.399	2.965	49.96	100	0	100	100
11/16/2023@06:10:00.000 AM	0.378	3.092	50.014	100	0	100	100
11/16/2023@06:20:00.000 AM	0.384	2.906	49.997	100	0	100	100
11/16/2023@06:30:00.000 AM	0.501	3.273	50.001	100	0	100	100
11/16/2023@06:40:00.000 AM	0.466	3.364	50.014	100	0.318	100	100
11/16/2023@06:50:00.000 AM	0.407	3.17	49.99	100	0	100	100

11/16/2023@07:00:00.000 AM	0.412	3.339	50.011	100	0	100	100
11/16/2023@07:10:00.000 AM	0.423	3.39	50.013	100	0	100	100
11/16/2023@07:20:00.000 AM	0.4	3.194	49.994	100	0	100	100
11/16/2023@07:30:00.000 AM	0.466	3.649	49.975	100	0	100	100
11/16/2023@07:40:00.000 AM	0.463	3.599	49.969	100	0	100	100
11/16/2023@07:50:00.000 AM	0.436	3.51	50.008	100	0	100	100
11/16/2023@08:00:00.000 AM	0.448	3.663	50.021	100	0	100	100
11/16/2023@08:10:00.000 AM	0.409	3.137	50.013	100	0	100	100
11/16/2023@08:20:00.000 AM	0.363	2.71	49.988	100	0	100	100
11/16/2023@08:30:00.000 AM	0.424	3.068	49.981	100	0	100	100
11/16/2023@08:40:00.000 AM	0.446	3.321	49.977	100	0	100	100
11/16/2023@08:50:00.000 AM	0.466	3.545	50.008	100	0	100	100
11/16/2023@09:00:00.000 AM	0.478	3.488	50.062	100	0.392	100	100
11/16/2023@09:10:00.000 AM	0.478	3.595	49.989	100	0.311	100	100
11/16/2023@09:20:00.000 AM	0.451	3.187	50.002	100	0	100	100
11/16/2023@09:30:00.000 AM	0.386	3.108	49.995	100	0	100	100

11/16/2023@09:40:00.000 AM	0.454	3.79	49.979	100	0	100	100
11/16/2023@09:50:00.000 AM	0.482	3.664	49.995	100	0.317	100	100
11/16/2023@10:00:00.000 AM	0.598	4.287	50.059	100	0.378	100	100
11/16/2023@10:10:00.000 AM	0.534	3.81	49.994	100	0	100	100
11/16/2023@10:20:00.000 AM	0.442	3.133	49.986	100	0	100	100
11/16/2023@10:30:00.000 AM	0.505	4.144	49.955	100	0	100	100
11/16/2023@10:40:00.000 AM	0.344	3.165	49.975	100	0	100	100
11/16/2023@10:50:00.000 AM	0.425	3.054	49.982	100	0	100	100
11/16/2023@11:00:00.000 AM	0.491	3.356	49.965	100	0	100	100
11/16/2023@11:10:00.000 AM	0.641	4.748	49.977	100	0.305	100	100
11/16/2023@11:20:00.000 AM	0.53	4.304	49.968	100	0	100	100
11/16/2023@11:30:00.000 AM	0.336	2.857	49.957	100	0	100	100
11/16/2023@11:40:00.000 AM	0.395	3.138	49.986	100	0	100	100
11/16/2023@11:50:00.000 AM	0.463	4.082	49.967	100	0	100	100
11/16/2023@12:00:00.000 PM	0.414	3.255	49.972	100	0	100	100
11/16/2023@12:10:00.000 PM	0.361	2.888	50.015	100	0	100	100

11/16/2023@12:20:00.000 PM	0.452	3.652	49.993	100	0.303	100	100
11/16/2023@12:30:00.000 PM	0.56	4.732	49.978	100	0.423	100	100
11/16/2023@12:40:00.000 PM	0.538	5.128	50.008	100	0.3	100	100
11/16/2023@12:50:00.000 PM	0.521	4.609	50.015	100	0	100	100
11/16/2023@01:00:00.000 PM	0.75	5.933	49.951	100	0	100	100
11/16/2023@01:10:00.000 PM	0.414	3.131	49.983	100	0	100	100
11/16/2023@01:20:00.000 PM	0.429	3.587	50.012	100	0	100	100
11/16/2023@01:30:00.000 PM	0.352	3.109	49.969	100	0	100	100
11/16/2023@01:40:00.000 PM	0.364	2.712	49.974	100	0	100	100
11/16/2023@01:50:00.000 PM	0.364	2.561	50.019	100	0	100	100
11/16/2023@02:00:00.000 PM	0.376	3.157	50.01	100	0	100	100
11/16/2023@02:10:00.000 PM	0.404	3.318	50.002	100	0	100	100
11/16/2023@02:20:00.000 PM	0.367	2.767	49.985	100	0	100	100
11/16/2023@02:30:00.000 PM	0.435	3.181	49.978	100	0	100	100
11/16/2023@02:40:00.000 PM	0.446	3.116	49.97	100	0	100	100
11/16/2023@02:50:00.000 PM	0.427	3.285	49.95	100	0.315	100	100

11/16/2023@03:00:00.000 PM	0.476	3.563	49.988	100	0	100	100
11/16/2023@03:10:00.000 PM	0.434	3.655	50.009	100	0	100	100
11/16/2023@03:20:00.000 PM	0.414	3.094	50.003	100	0	100	100
11/16/2023@03:30:00.000 PM	0.39	3.057	49.972	100	0	100	100
11/16/2023@03:40:00.000 PM	0.382	3.226	49.975	100	0	100	100
11/16/2023@03:50:00.000 PM	0.395	3.337	49.985	100	0	100	100
11/16/2023@04:00:00.000 PM	0.386	2.831	49.97	100	0	100	100
11/16/2023@04:10:00.000 PM	0.38	2.852	49.966	100	0	100	100
11/16/2023@04:20:00.000 PM	0.33	2.258	49.965	100	0	100	100
11/16/2023@04:30:00.000 PM	0.428	3.458	49.972	100	0	100	100
11/16/2023@04:40:00.000 PM	0.373	3.171	49.976	100	0	100	100
11/16/2023@04:50:00.000 PM	0.443	3.541	49.996	100	0.313	100	100
11/16/2023@05:00:00.000 PM	0.539	4.243	49.966	100	0.442	100	100
11/16/2023@05:10:00.000 PM	0.399	3.22	49.962	100	0	100	100
11/16/2023@05:20:00.000 PM	0.453	3.581	49.976	100	0	100	100
11/16/2023@05:30:00.000 PM	0.471	3.722	49.974	100	0	100	100

11/16/2023@05:40:00.000 PM	0.446	3.32	49.953	100	0	100	100
11/16/2023@05:50:00.000 PM	0.395	2.896	49.969	100	0	100	100
11/16/2023@06:00:00.000 PM	0.417	3.311	49.999	100	0	100	100
11/16/2023@06:10:00.000 PM	0.487	3.728	49.983	100	0	100	100
11/16/2023@06:20:00.000 PM	0.541	4.209	49.986	100	0.315	100	100
11/16/2023@06:30:00.000 PM	0.437	3.019	49.99	100	0	100	100
11/16/2023@06:40:00.000 PM	0.395	2.963	49.993	100	0	100	100
11/16/2023@06:50:00.000 PM	0.437	3.472	49.992	100	0	100	100
11/16/2023@07:00:00.000 PM	0.442	3.499	50.009	100	0	100	100
11/16/2023@07:10:00.000 PM	0.474	3.287	49.98	100	0	100	100
11/16/2023@07:20:00.000 PM	0.403	2.704	49.987	100	0	100	100
11/16/2023@07:30:00.000 PM	0.377	2.558	49.997	100	0	100	100
11/16/2023@07:40:00.000 PM	0.428	2.66	49.985	100	0	100	100
11/16/2023@07:50:00.000 PM	0.415	3.283	49.996	100	0	100	100
11/16/2023@08:00:00.000 PM	0.431	3.816	50.026	100	0	100	100
11/16/2023@08:10:00.000 PM	0.603	4.412	49.99	100	0	100	100

11/16/2023@08:20:00.000 PM	0.494	4.919	49.976	100	0	100	100
11/16/2023@08:30:00.000 PM	0.359	3.35	50.001	100	0	100	100
11/16/2023@08:40:00.000 PM	0.408	3.581	49.979	100	0	100	100
11/16/2023@08:50:00.000 PM	0.431	3.676	50.005	100	0	100	100
11/16/2023@09:00:00.000 PM	0.305	3.072	49.965	100	0	100	100
11/16/2023@09:10:00.000 PM	0.371	2.856	49.999	100	0	100	100
11/16/2023@09:20:00.000 PM	0.373	3.397	49.992	100	0	100	100
11/16/2023@09:30:00.000 PM	0.47	3.377	49.972	100	0	100	100
11/16/2023@09:40:00.000 PM	0.396	2.601	49.996	100	0	100	100
11/16/2023@09:50:00.000 PM	0.356	2.353	49.975	100	0	100	100
11/16/2023@10:00:00.000 PM	0.368	2.692	49.964	100	0	100	100
11/16/2023@10:10:00.000 PM	0.377	3.12	49.979	100	0	100	100
11/16/2023@10:20:00.000 PM	0.438	3.354	50.005	100	0	100	100
11/16/2023@10:30:00.000 PM	0.431	3.336	49.972	100	0	100	100
11/16/2023@10:40:00.000 PM	0.463	3.597	50	100	0	100	100
11/16/2023@10:50:00.000 PM	0.393	2.771	50.004	100	0	100	100

11/16/2023@11:00:00.000 PM	0.358	2.652	49.959	100	0	100	100
11/16/2023@11:10:00.000 PM	0.38	2.732	49.998	100	0	100	100
11/16/2023@11:20:00.000 PM	0.37	2.691	50.023	100	0	100	100
11/16/2023@11:30:00.000 PM	0.375	2.65	49.992	100	0	100	100
11/16/2023@11:40:00.000 PM	0.356	3.379	50.028	100	0	100	100
11/16/2023@11:50:00.000 PM	0.454	3.882	50.014	100	0	100	100
11/17/2023@12:00:00.000 AM	0.389	2.963	49.979	100	0	100	100
11/17/2023@12:10:00.000 AM	0.485	3.632	49.979	100	0	100	100
11/17/2023@12:20:00.000 AM	0.43	3.259	50.012	100	0	100	100
11/17/2023@12:30:00.000 AM	0.543	3.937	50.022	100	0.328	100	100
11/17/2023@12:40:00.000 AM	0.478	3.811	50.054	100	0.309	100	100
11/17/2023@12:50:00.000 AM	0.42	3.37	50.026	100	0	100	100
11/17/2023@01:00:00.000 AM	0.412	3.351	49.949	100	0	100	100
11/17/2023@01:10:00.000 AM	0.433	3.335	49.984	100	0	100	100
11/17/2023@01:20:00.000 AM	0.4	2.915	50.005	100	0	100	100
11/17/2023@01:30:00.000 AM	0.376	2.866	49.978	100	0	100	100

11/17/2023@01:40:00.000 AM	0.382	2.915	50.007	100	0	100	100
11/17/2023@01:50:00.000 AM	0.432	3.426	50.026	100	0	100	100
11/17/2023@02:00:00.000 AM	0.395	3.015	49.963	100	0	100	100
11/17/2023@02:10:00.000 AM	0.393	3.074	49.952	100	0	100	100
11/17/2023@02:20:00.000 AM	0.398	3.308	49.985	100	0	100	100
11/17/2023@02:30:00.000 AM	0.374	2.936	49.973	100	0	100	100
11/17/2023@02:40:00.000 AM	0.539	3.96	50.016	100	0	100	100
11/17/2023@02:50:00.000 AM	0.393	3.478	50.045	100	0	100	100
11/17/2023@03:00:00.000 AM	0.405	3.178	50.002	100	0	100	100
11/17/2023@03:10:00.000 AM	0.369	2.949	49.99	100	0	100	100
11/17/2023@03:20:00.000 AM	0.337	2.798	50.004	100	0	100	100
11/17/2023@03:30:00.000 AM	0.351	2.918	50.022	100	0	100	100
11/17/2023@03:40:00.000 AM	0.285	2.337	50.026	100	0	100	100
11/17/2023@03:50:00.000 AM	0.304	2.514	50.013	100	0	100	100
11/17/2023@04:00:00.000 AM	0.465	3.431	49.966	100	0.333	100	100
11/17/2023@04:10:00.000 AM	0.437	3.408	49.989	100	0	100	100

11/17/2023@04:20:00.000 AM	0.399	3.269	49.99	100	0	100	100
11/17/2023@04:30:00.000 AM	0.394	3.085	49.987	100	0	100	100
11/17/2023@04:40:00.000 AM	0.336	3.054	50.014	100	0	100	100
11/17/2023@04:50:00.000 AM	0.442	3.769	50.016	100	0	100	100
11/17/2023@05:00:00.000 AM	0.32	2.671	49.955	100	0	100	100
11/17/2023@05:10:00.000 AM	0.388	2.993	49.989	100	0	100	100
11/17/2023@05:20:00.000 AM	0.372	3.088	49.993	100	0	100	100
11/17/2023@05:30:00.000 AM	0.4	3.545	49.996	100	0	100	100
11/17/2023@05:40:00.000 AM	0.393	3.444	50.02	100	0	100	100
11/17/2023@05:50:00.000 AM	0.428	3.818	50.034	100	0	100	100
11/17/2023@06:00:00.000 AM	0.421	3.288	49.96	100	0	100	100
11/17/2023@06:10:00.000 AM	0.36	2.536	49.982	100	0	100	100
11/17/2023@06:20:00.000 AM	0.38	3.338	50.005	100	0	100	100
11/17/2023@06:30:00.000 AM	0.374	3.443	49.974	100	0	100	100
11/17/2023@06:40:00.000 AM	0.294	2.435	49.994	100	0	100	100
11/17/2023@06:50:00.000 AM	0.343	2.592	50.016	100	0	100	100

11/17/2023@07:00:00.000 AM	0.348	2.576	49.995	100	0	100	100
11/17/2023@07:10:00.000 AM	0.365	2.941	50.024	100	0	100	100
11/17/2023@07:20:00.000 AM	0.304	2.273	50.002	100	0	100	100
11/17/2023@07:30:00.000 AM	0.406	3.382	49.98	100	0	100	100
11/17/2023@07:40:00.000 AM	0.534	3.909	49.998	100	0.33	100	100
11/17/2023@07:50:00.000 AM	0.419	2.912	50	100	0	100	100
11/17/2023@08:00:00.000 AM	0.361	2.721	50.016	100	0	100	100
11/17/2023@08:10:00.000 AM	0.481	3.607	49.98	100	0	100	100
11/17/2023@08:20:00.000 AM	0.453	3.222	50.017	100	0	100	100
11/17/2023@08:30:00.000 AM	0.365	2.588	49.987	100	0	100	100
11/17/2023@08:40:00.000 AM	0.427	2.972	49.98	100	0	100	100
11/17/2023@08:50:00.000 AM	0.384	2.803	49.992	100	0	100	100
11/17/2023@09:00:00.000 AM	0.49	3.7	50.071	100	0	100	100
11/17/2023@09:10:00.000 AM	0.379	2.999	50.006	100	0	100	100
11/17/2023@09:20:00.000 AM	0.398	3.055	49.984	100	0	100	100
11/17/2023@09:30:00.000 AM	0.522	3.978	49.986	100	0.311	100	100

11/17/2023@09:40:00.000 AM	0.412	3.172	49.947	100	0	100	100
11/17/2023@09:50:00.000 AM	0.414	3.591	49.972	100	0	100	100
11/17/2023@10:00:00.000 AM	0.551	4.732	50.079	100	0	100	100
11/17/2023@10:10:00.000 AM	0.453	3.577	50.02	100	0	100	100
11/17/2023@10:20:00.000 AM	0.427	3.515	50.01	100	0	100	100
11/17/2023@10:30:00.000 AM	0.569	4.98	49.998	100	0.429	100	100
11/17/2023@10:40:00.000 AM	0.449	3.796	49.984	100	0	100	100
11/17/2023@10:50:00.000 AM	0.362	2.956	49.993	100	0	100	100
11/17/2023@11:00:00.000 AM	0.419	3.564	50.019	100	0	100	100
11/17/2023@11:10:00.000 AM	0.432	3.692	50	100	0	100	100
11/17/2023@11:20:00.000 AM	0.465	3.783	49.988	100	0	100	100
11/17/2023@11:30:00.000 AM	0.378	2.81	49.979	100	0	100	100
11/17/2023@11:40:00.000 AM	0.474	4.703	50	100	0	100	100
11/17/2023@11:50:00.000 AM	0.4	3.364	50.006	100	0	100	100
11/17/2023@12:00:00.000 PM	0.398	3.01	50	100	0	100	100
11/17/2023@12:10:00.000 PM	0.389	3.177	50.014	100	0	100	100

11/17/2023@12:20:00.000 PM	0.467	3.872	49.988	100	0.303	100	100
11/17/2023@12:30:00.000 PM	0.382	3.236	49.988	100	0	100	100
11/17/2023@12:40:00.000 PM	0.418	3.02	49.995	100	0	100	100
11/17/2023@12:50:00.000 PM	0.368	2.775	50.015	100	0	100	100
11/17/2023@01:00:00.000 PM	0.421	3.918	49.947	100	0	100	100
11/17/2023@01:10:00.000 PM	0.333	2.61	50.008	100	0	100	100
11/17/2023@01:20:00.000 PM	0.399	3.159	49.986	100	0	100	100
11/17/2023@01:30:00.000 PM	0.4	2.909	49.985	100	0	100	100
11/17/2023@01:40:00.000 PM	0.337	2.46	49.998	100	0	100	100
11/17/2023@01:50:00.000 PM	0.347	2.683	50.014	100	0	100	100
11/17/2023@02:00:00.000 PM	0.409	3.964	50.003	100	0	100	100
11/17/2023@02:10:00.000 PM	0.492	4.031	49.992	100	0.435	100	100
11/17/2023@02:20:00.000 PM	0.333	2.969	50.015	100	0	100	100
11/17/2023@02:30:00.000 PM	0.314	2.631	49.975	100	0	100	100
11/17/2023@02:40:00.000 PM	0.364	2.782	49.972	100	0	100	100
11/17/2023@02:50:00.000 PM	0.364	3.023	49.983	100	0	100	100

11/17/2023@03:00:00.000 PM	0.353	2.846	49.943	100	0	100	100
11/17/2023@03:10:00.000 PM	0.682	5.034	49.963	100	0.589	100	100
11/17/2023@03:20:00.000 PM	0.406	3.082	49.998	100	0	100	100
11/17/2023@03:30:00.000 PM	0.399	3.091	50.013	100	0	100	100
11/17/2023@03:40:00.000 PM	0.472	3.595	49.998	100	0.373	100	100
11/17/2023@03:50:00.000 PM	0.414	3.429	50.013	100	0.393	100	100
11/17/2023@04:00:00.000 PM	0.436	3.359	50.006	100	0	100	100
11/17/2023@04:10:00.000 PM	0.389	3.147	50.004	100	0	100	100
11/17/2023@04:20:00.000 PM	0.423	3.082	49.989	100	0.32	100	100
11/17/2023@04:30:00.000 PM	0.334	3.033	49.998	100	0	100	100
11/17/2023@04:40:00.000 PM	0.356	3.007	49.993	100	0	100	100
11/17/2023@04:50:00.000 PM	0.299	2.791	49.995	100	0	100	100
11/17/2023@05:00:00.000 PM	0.534	4.215	50.003	100	0.425	100	100
11/17/2023@05:10:00.000 PM	0.294	2.199	49.983	100	0	100	100
11/17/2023@05:20:00.000 PM	0.337	2.454	50.02	100	0	100	100
11/17/2023@05:30:00.000 PM	0.251	1.998	49.999	100	0	100	100

11/17/2023@05:40:00.000 PM	0.343	2.75	50.019	100	0	100	100
11/17/2023@05:50:00.000 PM	0.378	3.215	50.016	100	0	100	100
11/17/2023@06:00:00.000 PM	0.46	3.368	49.987	100	0.316	100	100
11/17/2023@06:10:00.000 PM	0.357	2.969	49.998	100	0	100	100
11/17/2023@06:20:00.000 PM	0.387	3.276	49.974	100	0	100	100
11/17/2023@06:30:00.000 PM	0.265	2.186	50.011	100	0	100	100
11/17/2023@06:40:00.000 PM	0.37	3.255	49.964	100	0	100	100
11/17/2023@06:50:00.000 PM	0.373	2.919	49.981	100	0	100	100
11/17/2023@07:00:00.000 PM	0.392	3.011	50.022	100	0	100	100
11/17/2023@07:10:00.000 PM	0.342	2.544	50.025	100	0	100	100
11/17/2023@07:20:00.000 PM	0.381	3.126	49.998	100	0	100	100
11/17/2023@07:30:00.000 PM	0.397	2.923	50.008	100	0	100	100
11/17/2023@07:40:00.000 PM	0.336	2.568	49.979	100	0	100	100
11/17/2023@07:50:00.000 PM	0.426	3.355	49.992	100	0	100	100
11/17/2023@08:00:00.000 PM	0.35	3.029	50.002	100	0	100	100
11/17/2023@08:10:00.000 PM	0.512	4.126	50.008	100	0	100	100

11/17/2023@08:20:00.000 PM	0.402	2.886	49.983	100	0.331	100	100
11/17/2023@08:30:00.000 PM	0.489	3.552	50.013	100	0	100	100
11/17/2023@08:40:00.000 PM	0.374	2.951	50.007	100	0	100	100
11/17/2023@08:50:00.000 PM	0.478	3.835	49.994	100	0.301	100	100
11/17/2023@09:00:00.000 PM	0.413	3.248	49.986	100	0	100	100
11/17/2023@09:10:00.000 PM	0.489	3.891	50.026	100	0	100	100
11/17/2023@09:20:00.000 PM	0.363	2.817	49.984	100	0	100	100
11/17/2023@09:30:00.000 PM	0.334	2.544	50.003	100	0	100	100
11/17/2023@09:40:00.000 PM	0.414	3.225	50.009	100	0	100	100
11/17/2023@09:50:00.000 PM	0.432	3.279	50.015	100	0	100	100
11/17/2023@10:00:00.000 PM	0.388	3.085	50	100	0	100	100
11/17/2023@10:10:00.000 PM	0.391	3.204	49.978	100	0	100	100
11/17/2023@10:20:00.000 PM	0.454	3.29	50.003	100	0	100	100
11/17/2023@10:30:00.000 PM	0.441	3.02	49.994	100	0	100	100
11/17/2023@10:40:00.000 PM	0.5	4.082	49.989	100	0	100	100
11/17/2023@10:50:00.000 PM	0.224	2.12	50.017	100	0	100	100

11/17/2023@11:00:00.000 PM	0.356	2.836	49.928	100	0	100	100
11/17/2023@11:10:00.000 PM	0.395	2.882	50.022	100	0	100	100
11/17/2023@11:20:00.000 PM	0.505	3.301	49.989	100	0	100	100
11/17/2023@11:30:00.000 PM	0.383	2.381	49.962	100	0	100	100
11/17/2023@11:40:00.000 PM	0.459	3.559	50.033	100	0	100	100
11/17/2023@11:50:00.000 PM	0.396	3.186	50.009	100	0	100	100
11/18/2023@12:00:00.000 AM	0.43	3.107	49.976	100	0	100	100
11/18/2023@12:10:00.000 AM	0.447	3.067	49.993	100	0	100	100
11/18/2023@12:20:00.000 AM	0.562	4.03	50.015	100	0	100	100
11/18/2023@12:30:00.000 AM	0.376	2.854	49.979	100	0	100	100
11/18/2023@12:40:00.000 AM	0.342	2.832	50.022	100	0	100	100
11/18/2023@12:50:00.000 AM	0.429	3.45	50.017	100	0	100	100
11/18/2023@01:00:00.000 AM	0.52	4.061	49.982	100	0	100	100
11/18/2023@01:10:00.000 AM	0.791	5.221	49.988	100	0.776	100	100
11/18/2023@01:20:00.000 AM	0.508	3.641	49.993	100	0.385	100	100
11/18/2023@01:30:00.000 AM	0.407	2.968	49.989	100	0	100	100

11/18/2023@01:40:00.000 AM	0.47	3.62	49.997	100	0	100	100
11/18/2023@01:50:00.000 AM	0.361	2.866	50.02	100	0	100	100
11/18/2023@02:00:00.000 AM	0.341	2.737	49.982	100	0.322	100	100
11/18/2023@02:10:00.000 AM	0.441	3.319	49.986	100	0	100	100
11/18/2023@02:20:00.000 AM	0.462	3.503	50	100	0	100	100
11/18/2023@02:30:00.000 AM	0.363	3.079	50.001	100	0	100	100
11/18/2023@02:40:00.000 AM	0.314	2.279	50.016	100	0	100	100
11/18/2023@02:50:00.000 AM	0.323	2.402	50.025	100	0	100	100
11/18/2023@03:00:00.000 AM	0.407	3.232	49.971	100	0	100	100
11/18/2023@03:10:00.000 AM	0.411	3.029	50.004	100	0	100	100
11/18/2023@03:20:00.000 AM	0.379	2.983	50.024	100	0	100	100
11/18/2023@03:30:00.000 AM	0.233	1.523	50.014	100	0	100	100
11/18/2023@03:40:00.000 AM	0.504	3.762	50.026	100	0.394	100	100
11/18/2023@03:50:00.000 AM	0.441	3.364	50.066	100	0	100	100
11/18/2023@04:00:00.000 AM	0.401	3.162	49.999	100	0	100	100
11/18/2023@04:10:00.000 AM	0.431	3.313	50.014	100	0	100	100

11/18/2023@04:20:00.000 AM	0.345	2.964	50.015	100	0	100	100
11/18/2023@04:30:00.000 AM	0.378	3.253	49.97	100	0	100	100
11/18/2023@04:40:00.000 AM	0.283	2.406	50.024	100	0	100	100
11/18/2023@04:50:00.000 AM	0.388	3.088	50.026	100	0	100	100
11/18/2023@05:00:00.000 AM	0.323	2.701	49.966	100	0	100	100
11/18/2023@05:10:00.000 AM	0.287	2.316	49.988	100	0	100	100
11/18/2023@05:20:00.000 AM	0.405	2.943	49.988	100	0	100	100
11/18/2023@05:30:00.000 AM	0.369	2.881	50.002	100	0	100	100
11/18/2023@05:40:00.000 AM	0.441	3.344	50.03	100	0	100	100
11/18/2023@05:50:00.000 AM	0.451	3.547	50.033	100	0.311	100	100
11/18/2023@06:00:00.000 AM	0.39	3.009	49.984	100	0	100	100
11/18/2023@06:10:00.000 AM	0.499	3.733	50.021	100	0	100	100
11/18/2023@06:20:00.000 AM	0.593	4.339	50.011	100	0.588	100	100
11/18/2023@06:30:00.000 AM	0.468	3.821	49.986	100	0.33	100	100
11/18/2023@06:40:00.000 AM	0.439	3.65	50.009	100	0	100	100
11/18/2023@06:50:00.000 AM	0.44	3.47	50.005	100	0	100	100

11/18/2023@07:00:00.000 AM	0.56	4.15	49.984	100	0	100	100
11/18/2023@07:10:00.000 AM	0.407	3.366	50.021	100	0	100	100
11/18/2023@07:20:00.000 AM	0.468	3.607	50.03	100	0.337	100	100
11/18/2023@07:30:00.000 AM	0.51	4.185	50.013	100	0.334	100	100
11/18/2023@07:40:00.000 AM	0.519	3.898	50.002	100	0.401	100	100
11/18/2023@07:50:00.000 AM	0.432	3.414	49.998	100	0	100	100
11/18/2023@08:00:00.000 AM	0.559	4.443	50.034	100	0	100	100
11/18/2023@08:10:00.000 AM	0.419	3.495	50.006	100	0	100	100
11/18/2023@08:20:00.000 AM	0.379	2.867	50.007	100	0	100	100
11/18/2023@08:30:00.000 AM	0.391	2.929	49.992	100	0	100	100
11/18/2023@08:40:00.000 AM	0.268	2.121	49.995	100	0	100	100
11/18/2023@08:50:00.000 AM	0.265	2.007	49.999	100	0	100	100
11/18/2023@09:00:00.000 AM	0.444	3.352	50.06	100	0	100	100
11/18/2023@09:10:00.000 AM	0.462	3.519	50.007	100	0	100	100
11/18/2023@09:20:00.000 AM	0.422	3.296	49.993	100	0	100	100
11/18/2023@09:30:00.000 AM	0.39	3.274	50.024	100	0	100	100

11/18/2023@09:40:00.000 AM	0.431	3.555	49.986	100	0	100	100
11/18/2023@09:50:00.000 AM	0.436	3.985	50.003	100	0	100	100
11/18/2023@10:00:00.000 AM	0.404	3.376	50.062	100	0	100	100
11/18/2023@10:10:00.000 AM	0.36	2.891	50.021	100	0	100	100
11/18/2023@10:20:00.000 AM	0.459	3.541	50.005	100	0	100	100
11/18/2023@10:30:00.000 AM	0.352	2.812	50.014	100	0	100	100
11/18/2023@10:40:00.000 AM	0.351	3.005	49.975	100	0	100	100
11/18/2023@10:50:00.000 AM	0.367	3.157	50.012	100	0	100	100
11/18/2023@11:00:00.000 AM	0.334	2.911	50.029	100	0	100	100
11/18/2023@11:10:00.000 AM	0.379	3.015	50.001	100	0	100	100
11/18/2023@11:20:00.000 AM	0.312	2.629	49.986	100	0	100	100
11/18/2023@11:30:00.000 AM	0.319	2.731	49.985	100	0	100	100
11/18/2023@11:40:00.000 AM	0.295	2.623	49.999	100	0	100	100
11/18/2023@11:50:00.000 AM	0.362	3.049	50.01	100	0	100	100
11/18/2023@12:00:00.000 PM	0.355	3.18	49.979	100	0	100	100
11/18/2023@12:10:00.000 PM	0.314	2.884	50.008	100	0	100	100

11/18/2023@12:20:00.000 PM	0.303	2.959	50.012	100	0	100	100
11/18/2023@12:30:00.000 PM	0.332	3.45	50.007	100	0	100	100
11/18/2023@12:40:00.000 PM	0.332	3.359	50.015	100	0	100	100
11/18/2023@12:50:00.000 PM	0.316	3.134	50.037	100	0	100	100
11/18/2023@01:00:00.000 PM	0.323	3.246	50.031	100	0	100	100
11/18/2023@01:10:00.000 PM	0.27	2.816	50.018	100	0	100	100
11/18/2023@01:20:00.000 PM	0.354	3.625	50.044	100	0	100	100
11/18/2023@01:30:00.000 PM	0.301	2.984	50.032	100	0	100	100
11/18/2023@01:40:00.000 PM	0.343	3.173	50.033	100	0	100	100
11/18/2023@01:50:00.000 PM	0.363	3.428	50.035	100	0	100	100
11/18/2023@02:00:00.000 PM	0.348	2.925	49.991	100	0	100	100
11/18/2023@02:10:00.000 PM	0.478	4.213	49.999	100	0.334	100	100
11/18/2023@02:20:00.000 PM	0.242	2.371	50.011	100	0	100	100
11/18/2023@02:30:00.000 PM	0.346	3.488	49.969	100	0	100	100
11/18/2023@02:40:00.000 PM	0.241	2.71	50.024	100	0	100	100
11/18/2023@02:50:00.000 PM	0.308	3.212	50.002	100	0	100	100

11/18/2023@03:00:00.000 PM	0.283	2.592	50.006	100	0	100	100
11/18/2023@03:10:00.000 PM	0.466	4.046	50.021	100	0.323	100	100
11/18/2023@03:20:00.000 PM	0.286	2.667	49.993	100	0	100	100
11/18/2023@03:30:00.000 PM	0.317	2.65	49.989	100	0	100	100
11/18/2023@03:40:00.000 PM	0.322	2.96	50.011	100	0	100	100
11/18/2023@03:50:00.000 PM	0.264	2.238	49.983	100	0	100	100
11/18/2023@04:00:00.000 PM	0.443	3.411	50.004	100	0.423	100	100
11/18/2023@04:10:00.000 PM	0.325	3.478	50.01	100	0	100	100
11/18/2023@04:20:00.000 PM	0.397	3.439	50.014	100	0	100	100
11/18/2023@04:30:00.000 PM	0.224	2.434	49.99	100	0	100	100
11/18/2023@04:40:00.000 PM	0.291	2.436	49.991	100	0	100	100
11/18/2023@04:50:00.000 PM	0.278	2.721	50.019	100	0	100	100
11/18/2023@05:00:00.000 PM	0.286	2.948	50.042	100	0	100	100
11/18/2023@05:10:00.000 PM	0.392	3.504	49.981	100	0.328	100	100
11/18/2023@05:20:00.000 PM	0.362	2.835	49.991	100	0	100	100
11/18/2023@05:30:00.000 PM	0.435	3.031	50.033	100	0.346	100	100

11/18/2023@05:40:00.000 PM	0.298	2.805	49.996	100	0	100	100
11/18/2023@05:50:00.000 PM	0.279	2.666	50.013	100	0	100	100
11/18/2023@06:00:00.000 PM	0.306	2.902	49.998	100	0	100	100
11/18/2023@06:10:00.000 PM	0.491	3.738	49.979	100	0.3	100	100
11/18/2023@06:20:00.000 PM	0.296	2.742	50.014	100	0	100	100
11/18/2023@06:30:00.000 PM	0.325	2.806	49.998	100	0	100	100
11/18/2023@06:40:00.000 PM	0.246	2.127	49.976	100	0	100	100
11/18/2023@06:50:00.000 PM	0.323	2.738	49.998	100	0	100	100
11/18/2023@07:00:00.000 PM	0.364	2.831	50.049	100	0	100	100
11/18/2023@07:10:00.000 PM	0.45	3.323	50.008	100	0	100	100
11/18/2023@07:20:00.000 PM	0.417	2.813	49.987	100	0	100	100
11/18/2023@07:30:00.000 PM	0.37	3.096	50.025	100	0	100	100
11/18/2023@07:40:00.000 PM	0.416	3.472	49.988	100	0	100	100
11/18/2023@07:50:00.000 PM	0.417	2.999	49.97	100	0	100	100
11/18/2023@08:00:00.000 PM	0.412	2.993	50.019	100	0	100	100
11/18/2023@08:10:00.000 PM	0.433	3.581	50.017	100	0	100	100

11/18/2023@08:20:00.000 PM	0.501	3.958	50.035	100	0.314	100	100
11/18/2023@08:30:00.000 PM	0.428	3.108	50.008	100	0	100	100
11/18/2023@08:40:00.000 PM	0.404	2.967	50.021	100	0	100	100
11/18/2023@08:50:00.000 PM	0.421	3.131	49.999	100	0	100	100
11/18/2023@09:00:00.000 PM	0.367	2.794	50.031	100	0	100	100
11/18/2023@09:10:00.000 PM	0.304	2.287	50.04	100	0	100	100
11/18/2023@09:20:00.000 PM	0.334	3.002	50.014	100	0	100	100
11/18/2023@09:30:00.000 PM	0.323	2.835	50.011	100	0	100	100
11/18/2023@09:40:00.000 PM	0.438	3.188	50.016	100	0	100	100
11/18/2023@09:50:00.000 PM	0.368	2.702	50.016	100	0	100	100
11/18/2023@10:00:00.000 PM	0.335	2.789	49.975	100	0	100	100
11/18/2023@10:10:00.000 PM	0.426	3.562	50.008	100	0	100	100
11/18/2023@10:20:00.000 PM	0.461	3.845	49.999	100	0	100	100
11/18/2023@10:30:00.000 PM	0.518	3.425	49.979	100	0.341	100	100
11/18/2023@10:40:00.000 PM	0.41	3.116	50.024	100	0	100	100
11/18/2023@10:50:00.000 PM	0.277	2.511	49.998	100	0	100	100

11/18/2023@11:00:00.000 PM	0.366	2.999	49.973	100	0	100	100
11/18/2023@11:10:00.000 PM	0.387	3.153	50.001	100	0	100	100
11/18/2023@11:20:00.000 PM	0.323	2.468	50.02	100	0	100	100
11/18/2023@11:30:00.000 PM	0.456	3.514	49.99	100	0	100	100
11/18/2023@11:40:00.000 PM	0.489	3.919	50.033	100	0	100	100
11/18/2023@11:50:00.000 PM	0.402	3.389	50.019	100	0	100	100
11/19/2023@12:00:00.000 AM	0.451	3.55	49.983	100	0	100	100
11/19/2023@12:10:00.000 AM	0.427	3.567	50.011	100	0	100	100
11/19/2023@12:20:00.000 AM	0.283	2.313	50.019	100	0	100	100
11/19/2023@12:30:00.000 AM	0.353	2.943	49.993	100	0	100	100
11/19/2023@12:40:00.000 AM	0.38	3.072	50.038	100	0	100	100
11/19/2023@12:50:00.000 AM	0.382	3.45	50.026	100	0	100	100
11/19/2023@01:00:00.000 AM	0.37	3.382	49.99	100	0	100	100
11/19/2023@01:10:00.000 AM	0.439	3.674	49.985	100	0	100	100
11/19/2023@01:20:00.000 AM	0.403	3.185	50.005	100	0	100	100
11/19/2023@01:30:00.000 AM	0.404	3.052	49.987	100	0	100	100

11/19/2023@01:40:00.000 AM	0.407	3.232	50.006	100	0	100	100
11/19/2023@01:50:00.000 AM	0.431	3.683	50.016	100	0	100	100
11/19/2023@02:00:00.000 AM	0.411	3.499	49.992	100	0	100	100
11/19/2023@02:10:00.000 AM	0.403	2.972	49.98	100	0	100	100
11/19/2023@02:20:00.000 AM	0.409	3.501	50	100	0	100	100
11/19/2023@02:30:00.000 AM	0.422	3.518	50.005	100	0	100	100
11/19/2023@02:40:00.000 AM	0.446	3.277	50.023	100	0	100	100
11/19/2023@02:50:00.000 AM	0.43	3.682	50.044	100	0	100	100
11/19/2023@03:00:00.000 AM	0.468	3.581	49.972	100	0	100	100
11/19/2023@03:10:00.000 AM	0.447	3.692	49.961	100	0	100	100
11/19/2023@03:20:00.000 AM	0.443	3.703	50.009	100	0	100	100
11/19/2023@03:30:00.000 AM	0.428	3.282	49.982	100	0	100	100
11/19/2023@03:40:00.000 AM	0.43	3.646	50.02	100	0	100	100
11/19/2023@03:50:00.000 AM	0.431	3.059	50.025	100	0	100	100
11/19/2023@04:00:00.000 AM	0.457	3.727	49.985	100	0	100	100
11/19/2023@04:10:00.000 AM	0.387	3.361	49.969	100	0	100	100

11/19/2023@04:20:00.000 AM	0.431	3.739	50.022	100	0	100	100
11/19/2023@04:30:00.000 AM	0.398	3.257	49.98	100	0	100	100
11/19/2023@04:40:00.000 AM	0.437	3.169	50.015	100	0	100	100
11/19/2023@04:50:00.000 AM	0.388	2.82	50.018	100	0	100	100
11/19/2023@05:00:00.000 AM	0.435	3.803	49.983	100	0	100	100
11/19/2023@05:10:00.000 AM	0.41	3.126	49.995	100	0	100	100
11/19/2023@05:20:00.000 AM	0.434	4.149	50.018	100	0	100	100
11/19/2023@05:30:00.000 AM	0.369	2.909	49.984	100	0	100	100
11/19/2023@05:40:00.000 AM	0.394	2.419	50.011	100	0	100	100
11/19/2023@05:50:00.000 AM	0.378	3.175	50.01	100	0	100	100
11/19/2023@06:00:00.000 AM	0.315	2.698	49.997	100	0	100	100
11/19/2023@06:10:00.000 AM	0.378	2.792	49.998	100	0	100	100
11/19/2023@06:20:00.000 AM	0.443	3.542	50	100	0.317	100	100
11/19/2023@06:30:00.000 AM	0.354	2.475	50.002	100	0	100	100
11/19/2023@06:40:00.000 AM	0.304	2.174	49.999	100	0	100	100
11/19/2023@06:50:00.000 AM	0.31	1.932	50.006	100	0	100	100

11/19/2023@07:00:00.000 AM	0.353	3.145	50.002	100	0	100	100
11/19/2023@07:10:00.000 AM	0.575	4.401	49.986	100	0	100	100
11/19/2023@07:20:00.000 AM	0.354	2.419	50.018	100	0	100	100
11/19/2023@07:30:00.000 AM	0.404	3.282	49.987	100	0	100	100
11/19/2023@07:40:00.000 AM	0.409	3.423	50.031	100	0	100	100
11/19/2023@07:50:00.000 AM	0.494	4.145	50.003	100	0.363	100	100
11/19/2023@08:00:00.000 AM	0.544	3.629	50.016	100	0	100	100
11/19/2023@08:10:00.000 AM	0.407	3.102	50.013	100	0	100	100
11/19/2023@08:20:00.000 AM	0.439	3.156	50.008	100	0	100	100
11/19/2023@08:30:00.000 AM	0.412	3.629	49.978	100	0	100	100
11/19/2023@08:40:00.000 AM	0.425	3.666	49.994	100	0	100	100
11/19/2023@08:50:00.000 AM	0.38	2.911	50.005	100	0	100	100
11/19/2023@09:00:00.000 AM	0.419	3.149	50.012	100	0	100	100
11/19/2023@09:10:00.000 AM	0.427	3.469	50.003	100	0	100	100
11/19/2023@09:20:00.000 AM	0.416	3.874	50.01	100	0	100	100
11/19/2023@09:30:00.000 AM	0.388	3.634	50.003	100	0	100	100

11/19/2023@09:40:00.000 AM	0.37	2.933	49.99	100	0	100	100
11/19/2023@09:50:00.000 AM	0.392	2.618	49.991	100	0	100	100
11/19/2023@10:00:00.000 AM	0.406	2.929	50.09	100	0	100	100
11/19/2023@10:10:00.000 AM	0.421	3.87	50	100	0	100	100
11/19/2023@10:20:00.000 AM	0.415	3.742	50	100	0	100	100
11/19/2023@10:30:00.000 AM	0.456	3.431	49.994	100	0	100	100
11/19/2023@10:40:00.000 AM	0.379	2.844	49.994	100	0	100	100
11/19/2023@10:50:00.000 AM	0.431	3.91	49.983	100	0	100	100
11/19/2023@11:00:00.000 AM	0.476	3.992	50.022	100	0.336	100	100
11/19/2023@11:10:00.000 AM	0.376	2.85	50.013	100	0	100	100
11/19/2023@11:20:00.000 AM	0.369	2.798	49.984	100	0	100	100
11/19/2023@11:30:00.000 AM	0.401	3.089	49.992	100	0	100	100
11/19/2023@11:40:00.000 AM	0.432	3.214	49.972	100	0	100	100
11/19/2023@11:50:00.000 AM	0.438	3.425	49.996	100	0	100	100
11/19/2023@12:00:00.000 PM	0.396	3.409	49.959	100	0	100	100
11/19/2023@12:10:00.000 PM	0.451	3.485	50.013	100	0	100	100

11/19/2023@12:20:00.000 PM	0.423	3.352	50.001	100	0	100	100
11/19/2023@12:30:00.000 PM	0.406	2.868	50.026	100	0	100	100
11/19/2023@12:40:00.000 PM	0.337	2.555	50.015	100	0	100	100
11/19/2023@12:50:00.000 PM	0.383	3.04	49.999	100	0	100	100
11/19/2023@01:00:00.000 PM	0.375	3.527	49.977	100	0	100	100
11/19/2023@01:10:00.000 PM	0.427	3.359	50.015	100	0	100	100
11/19/2023@01:20:00.000 PM	0.388	3.328	50.01	100	0	100	100
11/19/2023@01:30:00.000 PM	0.397	3.525	50.02	100	0	100	100
11/19/2023@01:40:00.000 PM	0.376	3.7	50.02	100	0	100	100
11/19/2023@01:50:00.000 PM	0.39	3.146	50.017	100	0	100	100
11/19/2023@02:00:00.000 PM	0.402	3.434	49.971	100	0	100	100

Cap. 5. Indicatori de Flicker

Indicatorii Flicker-ului / Definiția Flicker-ului:

Flicker-ul se referă la variațiile vizibile ale luminozității sau altor parametri electrici cauzate de fluctuațiile rapide ale tensiunii într-un sistem de curent alternativ (CA). Aceste variații pot apărea ca pulsări sau intermitențe în sursele de iluminat și echipamente electrice.

Indicatori pentru Flicker:

Pst (Severitatea pe Termen Scurt): Acest indicator evaluează intensitatea fluctuațiilor pe termen scurt, de obicei, într-un interval de 10 minute.

Se calculează ca o medie ponderată a variațiilor de lumină pe o perioadă scurtă.

Plt (Severitatea pe Termen Lung): Măsoară impactul flicker-ului pe o perioadă mai lungă, în general, de aproximativ 2 ore. Plt reprezintă media valorilor Pst pe termen lung și reflectă efectele pe termen extins asupra confortului vizual.

Cauze ale Flicker-ului:

Flicker-ul poate fi cauzat de fluctuații ale tensiunii de alimentare, schimbări rapide de sarcină, echipamente de mare putere cu cicluri frecvente de pornire și oprire, sau defecțiuni în echipamentele de iluminat, cum ar fi lămpile cu descărcare în gaze.

Efectele Flicker-ului:

Acest fenomen poate provoca disconfort vizual, oboseală oculară, migrene și poate afecta funcționarea echipamentelor de iluminat, scurtând durata de viață a surselor de lumină.

Metode de Control:

Pentru a reduce flicker-ul, pot fi implementate soluții precum stabilizatoare de tensiune, dispozitive pentru corectarea factorului de putere și tehnologii de iluminat avansate care reduc fluctuațiile de intensitate.

Standardele de Evaluare:

Diverse standarde internaționale, precum IEC 61000-4-15, definesc metodele de măsurare și evaluare a flicker-ului pentru a asigura conformitatea cu cerințele de performanță și pentru a asigura confortul vizual.

timestamp	V1-Flick Pst	V2-Flick Pst	V3-Flick Pst	V1-Flick Plt	V2-Flick Plt	V3-Flick Plt
11/12/2023@03:20:00.000 PM	69.72	69.718	69.72	0.641	0.449	0.464
11/12/2023@03:30:00.000 PM	0.495	0.487	0.512	0.641	0.449	0.464
11/12/2023@03:40:00.000 PM	0.587	0.607	0.731	0.641	0.449	0.464
11/12/2023@03:50:00.000 PM	0.406	0.459	0.512	0.641	0.449	0.464
11/12/2023@04:00:00.000 PM	0.164	0.169	0.165	0.641	0.449	0.464
11/12/2023@04:10:00.000 PM	0.125	0.127	0.13	0.641	0.449	0.464
11/12/2023@04:20:00.000 PM	1.337	0.531	0.68	0.641	0.449	0.464

11/12/2023@04:30:00.000 PM	0.476	0.522	0.443	0.641	0.449	0.464
11/12/2023@04:40:00.000 PM	0.505	0.488	0.528	0.641	0.449	0.464
11/12/2023@04:50:00.000 PM	0.428	0.44	0.417	0.641	0.449	0.464
11/12/2023@05:00:00.000 PM	0.207	0.159	0.278	0.641	0.449	0.464
11/12/2023@05:10:00.000 PM	0.122	0.116	0.128	0.641	0.449	0.464
11/12/2023@05:20:00.000 PM	0.569	0.618	0.613	0.641	0.449	0.464
11/12/2023@05:30:00.000 PM	0.412	0.439	0.478	0.641	0.449	0.464
11/12/2023@05:40:00.000 PM	0.524	0.578	0.54	0.641	0.449	0.464
11/12/2023@05:50:00.000 PM	0.318	0.396	0.362	0.641	0.449	0.464
11/12/2023@06:00:00.000 PM	0.192	0.198	0.215	0.641	0.449	0.464
11/12/2023@06:10:00.000 PM	0.346	0.346	0.331	0.641	0.449	0.464
11/12/2023@06:20:00.000 PM	0.54	0.582	0.575	0.641	0.449	0.464
11/12/2023@06:30:00.000 PM	0.439	0.48	0.526	0.641	0.449	0.464
11/12/2023@06:40:00.000 PM	0.468	0.556	0.524	0.641	0.449	0.464
11/12/2023@06:50:00.000 PM	0.183	0.241	0.224	0.641	0.449	0.464
11/12/2023@07:00:00.000 PM	0.184	0.193	0.196	0.641	0.449	0.464

11/12/2023@07:10:00.000 PM	0.505	0.476	0.549	0.641	0.449	0.464
11/12/2023@07:20:00.000 PM	0.475	0.462	0.512	0.641	0.449	0.464
11/12/2023@07:30:00.000 PM	0.125	0.127	0.127	0.641	0.449	0.464
11/12/2023@07:40:00.000 PM	0.481	0.505	0.497	0.641	0.449	0.464
11/12/2023@07:50:00.000 PM	0.376	0.285	0.35	0.641	0.449	0.464
11/12/2023@08:00:00.000 PM	0.175	0.16	0.195	0.406	0.423	0.438
11/12/2023@08:10:00.000 PM	0.113	0.117	0.117	0.406	0.423	0.438
11/12/2023@08:20:00.000 PM	0.508	0.526	0.547	0.406	0.423	0.438
11/12/2023@08:30:00.000 PM	0.394	0.465	0.424	0.406	0.423	0.438
11/12/2023@08:40:00.000 PM	0.52	0.564	0.544	0.406	0.423	0.438
11/12/2023@08:50:00.000 PM	0.374	0.37	0.328	0.406	0.423	0.438
11/12/2023@09:00:00.000 PM	0.148	0.151	0.161	0.406	0.423	0.438
11/12/2023@09:10:00.000 PM	0.336	0.367	0.319	0.406	0.423	0.438
11/12/2023@09:20:00.000 PM	0.485	0.541	0.529	0.406	0.423	0.438
11/12/2023@09:30:00.000 PM	0.444	0.505	0.376	0.406	0.423	0.438
11/12/2023@09:40:00.000 PM	0.47	0.65	0.526	0.406	0.423	0.438

11/12/2023@09:50:00.000 PM	0.174	0.202	0.207	0.406	0.423	0.438
11/12/2023@10:00:00.000 PM	0.137	0.148	0.158	0.395	0.451	0.411
11/12/2023@10:10:00.000 PM	0.404	0.51	0.49	0.395	0.451	0.411
11/12/2023@10:20:00.000 PM	0.47	0.508	0.541	0.395	0.451	0.411
11/12/2023@10:30:00.000 PM	0.468	0.458	0.488	0.395	0.451	0.411
11/12/2023@10:40:00.000 PM	0.438	0.414	0.443	0.395	0.451	0.411
11/12/2023@10:50:00.000 PM	0.173	0.171	0.187	0.395	0.451	0.411
11/12/2023@11:00:00.000 PM	0.148	0.175	0.16	0.395	0.451	0.411
11/12/2023@11:10:00.000 PM	0.54	0.531	0.586	0.395	0.451	0.411
11/12/2023@11:20:00.000 PM	0.44	0.501	0.514	0.395	0.451	0.411
11/12/2023@11:30:00.000 PM	0.457	0.5	0.567	0.395	0.451	0.411
11/12/2023@11:40:00.000 PM	0.318	0.338	0.359	0.395	0.451	0.411
11/12/2023@11:50:00.000 PM	0.205	0.223	0.201	0.395	0.451	0.411
11/13/2023@12:00:00.000 AM	0.122	0.136	0.134	0.396	0.421	0.446
11/13/2023@12:10:00.000 AM	0.523	0.62	0.566	0.396	0.421	0.446
11/13/2023@12:20:00.000 AM	0.411	0.492	0.471	0.396	0.421	0.446

11/13/2023@12:30:00.000 AM	0.574	0.619	0.594	0.396	0.421	0.446
11/13/2023@12:40:00.000 AM	0.49	0.525	0.541	0.396	0.421	0.446
11/13/2023@12:50:00.000 AM	0.261	0.279	0.308	0.396	0.421	0.446
11/13/2023@01:00:00.000 AM	0.238	0.271	0.245	0.396	0.421	0.446
11/13/2023@01:10:00.000 AM	0.545	0.601	0.554	0.396	0.421	0.446
11/13/2023@01:20:00.000 AM	0.511	0.566	0.62	0.396	0.421	0.446
11/13/2023@01:30:00.000 AM	0.505	0.508	0.529	0.396	0.421	0.446
11/13/2023@01:40:00.000 AM	0.389	0.43	0.351	0.396	0.421	0.446
11/13/2023@01:50:00.000 AM	0.204	0.24	0.226	0.396	0.421	0.446
11/13/2023@02:00:00.000 AM	0.322	0.37	0.261	0.448	0.495	0.48
11/13/2023@02:10:00.000 AM	0.526	0.547	0.505	0.448	0.495	0.48
11/13/2023@02:20:00.000 AM	0.332	0.324	0.295	0.448	0.495	0.48
11/13/2023@02:30:00.000 AM	0.552	0.635	0.587	0.448	0.495	0.48
11/13/2023@02:40:00.000 AM	0.195	0.186	0.204	0.448	0.495	0.48
11/13/2023@02:50:00.000 AM	0.211	0.229	0.242	0.448	0.495	0.48
11/13/2023@03:00:00.000 AM	0.175	0.231	0.195	0.448	0.495	0.48

11/13/2023@03:10:00.000 AM	0.11	0.122	0.117	0.448	0.495	0.48
11/13/2023@03:20:00.000 AM	0.618	0.532	0.648	0.448	0.495	0.48
11/13/2023@03:30:00.000 AM	0.483	0.411	0.502	0.448	0.495	0.48
11/13/2023@03:40:00.000 AM	0.591	0.607	0.64	0.448	0.495	0.48
11/13/2023@03:50:00.000 AM	0.401	0.397	0.426	0.448	0.495	0.48
11/13/2023@04:00:00.000 AM	0.144	0.16	0.161	0.436	0.436	0.455
11/13/2023@04:10:00.000 AM	0.094	0.102	0.096	0.436	0.436	0.455
11/13/2023@04:20:00.000 AM	0.407	0.436	0.523	0.436	0.436	0.455
11/13/2023@04:30:00.000 AM	0.687	0.652	0.702	0.436	0.436	0.455
11/13/2023@04:40:00.000 AM	0.195	0.229	0.24	0.436	0.436	0.455
11/13/2023@04:50:00.000 AM	0.098	0.104	0.099	0.436	0.436	0.455
11/13/2023@05:00:00.000 AM	1.371	1.477	7.617	0.436	0.436	0.455
11/13/2023@05:10:00.000 AM	0.374	0.465	0.471	0.436	0.436	0.455
11/13/2023@05:20:00.000 AM	0.378	0.454	0.381	0.436	0.436	0.455
11/13/2023@05:30:00.000 AM	0.159	0.168	0.167	0.436	0.436	0.455
11/13/2023@05:40:00.000 AM	0.124	0.136	0.137	0.436	0.436	0.455

11/13/2023@05:50:00.000 AM	0.104	0.119	0.116	0.436	0.436	0.455
11/13/2023@06:00:00.000 AM	0.099	0.109	0.106	0.636	0.682	3.329
11/13/2023@06:10:00.000 AM	0.113	0.112	0.12	0.636	0.682	3.329
11/13/2023@06:20:00.000 AM	0.096	0.106	0.099	0.636	0.682	3.329
11/13/2023@06:30:00.000 AM	0.096	0.104	0.097	0.636	0.682	3.329
11/13/2023@06:40:00.000 AM	0.097	0.106	0.097	0.636	0.682	3.329
11/13/2023@06:50:00.000 AM	0.092	0.1	0.096	0.636	0.682	3.329
11/13/2023@07:00:00.000 AM	0.094	0.105	0.098	0.636	0.682	3.329
11/13/2023@07:10:00.000 AM	0.094	0.103	0.097	0.636	0.682	3.329
11/13/2023@07:20:00.000 AM	0.095	0.101	0.099	0.636	0.682	3.329
11/13/2023@07:30:00.000 AM	0.092	0.102	0.096	0.636	0.682	3.329
11/13/2023@07:40:00.000 AM	0.093	0.099	0.095	0.636	0.682	3.329
11/13/2023@07:50:00.000 AM	0.097	0.103	0.101	0.636	0.682	3.329
11/13/2023@08:00:00.000 AM	0.13	0.135	0.13	0.1	0.107	0.103
11/13/2023@08:10:00.000 AM	0.094	0.102	0.096	0.1	0.107	0.103
11/13/2023@08:20:00.000 AM	0.098	0.107	0.105	0.1	0.107	0.103

11/13/2023@08:30:00.000 AM	0.099	0.105	0.1	0.1	0.107	0.103
11/13/2023@08:40:00.000 AM	0.097	0.113	0.102	0.1	0.107	0.103
11/13/2023@08:50:00.000 AM	0.1	0.102	0.097	0.1	0.107	0.103
11/13/2023@09:00:00.000 AM	0.105	0.107	0.113	0.1	0.107	0.103
11/13/2023@09:10:00.000 AM	0.112	0.124	0.115	0.1	0.107	0.103
11/13/2023@09:20:00.000 AM	0.221	0.192	0.176	0.1	0.107	0.103
11/13/2023@09:30:00.000 AM	0.141	0.141	0.141	0.1	0.107	0.103
11/13/2023@09:40:00.000 AM	0.101	0.117	0.129	0.1	0.107	0.103
11/13/2023@09:50:00.000 AM	0.101	0.107	0.107	0.1	0.107	0.103
11/13/2023@10:00:00.000 AM	0.095	0.105	0.1	0.126	0.124	0.12
11/13/2023@10:10:00.000 AM	0.107	0.119	0.11	0.126	0.124	0.12
11/13/2023@10:20:00.000 AM	0.104	0.114	0.108	0.126	0.124	0.12
11/13/2023@10:30:00.000 AM	0.102	0.115	0.109	0.126	0.124	0.12
11/13/2023@10:40:00.000 AM	0.099	0.11	0.103	0.126	0.124	0.12
11/13/2023@10:50:00.000 AM	0.105	0.114	0.109	0.126	0.124	0.12
11/13/2023@11:00:00.000 AM	0.105	0.112	0.118	0.126	0.124	0.12

11/13/2023@11:10:00.000 AM	0.103	0.108	0.11	0.126	0.124	0.12
11/13/2023@11:20:00.000 AM	0.154	0.112	0.184	0.126	0.124	0.12
11/13/2023@11:30:00.000 AM	0.115	0.113	0.126	0.126	0.124	0.12
11/13/2023@11:40:00.000 AM	0.104	0.113	0.111	0.126	0.124	0.12
11/13/2023@11:50:00.000 AM	0.101	0.109	0.106	0.126	0.124	0.12
11/13/2023@12:00:00.000 PM	0.101	0.106	0.108	0.11	0.112	0.121
11/13/2023@12:10:00.000 PM	0.095	0.104	0.099	0.11	0.112	0.121
11/13/2023@12:20:00.000 PM	0.109	0.114	0.121	0.11	0.112	0.121
11/13/2023@12:30:00.000 PM	0.102	0.114	0.107	0.11	0.112	0.121
11/13/2023@12:40:00.000 PM	0.961	1.054	1.009	0.11	0.112	0.121
11/13/2023@12:50:00.000 PM	0.145	0.168	0.176	0.11	0.112	0.121
11/13/2023@01:00:00.000 PM	0.103	0.112	0.106	0.11	0.112	0.121
11/13/2023@01:10:00.000 PM	0.099	0.11	0.104	0.11	0.112	0.121
11/13/2023@01:20:00.000 PM	0.097	0.104	0.1	0.11	0.112	0.121
11/13/2023@01:30:00.000 PM	0.1	0.103	0.104	0.11	0.112	0.121
11/13/2023@01:40:00.000 PM	0.098	0.137	0.106	0.11	0.112	0.121

11/13/2023@01:50:00.000 PM	0.103	0.103	0.102	0.11	0.112	0.121
11/13/2023@02:00:00.000 PM	0.09	0.1	0.095	0.422	0.463	0.443
11/13/2023@02:10:00.000 PM	0.103	0.11	0.11	0.422	0.463	0.443
11/13/2023@02:20:00.000 PM	0.108	0.125	0.125	0.422	0.463	0.443
11/13/2023@02:30:00.000 PM	0.092	0.099	0.096	0.422	0.463	0.443
11/13/2023@02:40:00.000 PM	0.092	0.1	0.095	0.422	0.463	0.443
11/13/2023@02:50:00.000 PM	0.145	0.148	0.159	0.422	0.463	0.443
11/13/2023@03:00:00.000 PM	0.096	0.103	0.102	0.422	0.463	0.443
11/13/2023@03:10:00.000 PM	0.136	0.135	0.144	0.422	0.463	0.443
11/13/2023@03:20:00.000 PM	0.139	0.146	0.144	0.422	0.463	0.443
11/13/2023@03:30:00.000 PM	0.096	0.106	0.105	0.422	0.463	0.443
11/13/2023@03:40:00.000 PM	0.157	0.185	0.164	0.422	0.463	0.443
11/13/2023@03:50:00.000 PM	0.185	0.212	0.19	0.422	0.463	0.443
11/13/2023@04:00:00.000 PM	0.214	0.243	0.209	0.141	0.157	0.146
11/13/2023@04:10:00.000 PM	0.206	0.234	0.206	0.141	0.157	0.146
11/13/2023@04:20:00.000 PM	0.226	0.255	0.239	0.141	0.157	0.146

11/13/2023@04:30:00.000 PM	0.199	0.228	0.203	0.141	0.157	0.146
11/13/2023@04:40:00.000 PM	1.929	2.103	2.162	0.141	0.157	0.146
11/13/2023@04:50:00.000 PM	0.109	0.121	0.116	0.141	0.157	0.146
11/13/2023@05:00:00.000 PM	0.1	0.114	0.107	0.141	0.157	0.146
11/13/2023@05:10:00.000 PM	0.098	0.106	0.105	0.141	0.157	0.146
11/13/2023@05:20:00.000 PM	0.121	0.101	0.121	0.141	0.157	0.146
11/13/2023@05:30:00.000 PM	0.109	0.116	0.11	0.141	0.157	0.146
11/13/2023@05:40:00.000 PM	0.108	0.115	0.113	0.141	0.157	0.146
11/13/2023@05:50:00.000 PM	0.096	0.102	0.103	0.141	0.157	0.146
11/13/2023@06:00:00.000 PM	0.098	0.103	0.105	0.844	0.92	0.945
11/13/2023@06:10:00.000 PM	0.15	0.135	0.144	0.844	0.92	0.945
11/13/2023@06:20:00.000 PM	0.129	0.161	0.12	0.844	0.92	0.945
11/13/2023@06:30:00.000 PM	0.093	0.102	0.125	0.844	0.92	0.945
11/13/2023@06:40:00.000 PM	0.096	0.103	0.112	0.844	0.92	0.945
11/13/2023@06:50:00.000 PM	0.139	0.144	0.185	0.844	0.92	0.945
11/13/2023@07:00:00.000 PM	0.095	0.11	0.103	0.844	0.92	0.945

11/13/2023@07:10:00.000 PM	0.145	0.143	0.15	0.844	0.92	0.945
11/13/2023@07:20:00.000 PM	0.093	0.1	0.095	0.844	0.92	0.945
11/13/2023@07:30:00.000 PM	0.102	0.113	0.116	0.844	0.92	0.945
11/13/2023@07:40:00.000 PM	0.096	0.103	0.098	0.844	0.92	0.945
11/13/2023@07:50:00.000 PM	0.131	0.134	0.153	0.844	0.92	0.945
11/13/2023@08:00:00.000 PM	0.106	0.106	0.101	0.119	0.124	0.131
11/13/2023@08:10:00.000 PM	0.103	0.105	0.108	0.119	0.124	0.131
11/13/2023@08:20:00.000 PM	0.268	0.177	0.149	0.119	0.124	0.131
11/13/2023@08:30:00.000 PM	0.099	0.105	0.101	0.119	0.124	0.131
11/13/2023@08:40:00.000 PM	0.105	0.1	0.112	0.119	0.124	0.131
11/13/2023@08:50:00.000 PM	0.109	0.124	0.112	0.119	0.124	0.131
11/13/2023@09:00:00.000 PM	0.101	0.117	0.109	0.119	0.124	0.131
11/13/2023@09:10:00.000 PM	0.1	0.1	0.102	0.119	0.124	0.131
11/13/2023@09:20:00.000 PM	0.121	0.102	0.143	0.119	0.124	0.131
11/13/2023@09:30:00.000 PM	0.131	0.122	0.157	0.119	0.124	0.131
11/13/2023@09:40:00.000 PM	0.12	0.12	0.131	0.119	0.124	0.131

11/13/2023@09:50:00.000 PM	0.106	0.118	0.111	0.119	0.124	0.131
11/13/2023@10:00:00.000 PM	0.096	0.105	0.099	0.141	0.12	0.123
11/13/2023@10:10:00.000 PM	0.095	0.104	0.102	0.141	0.12	0.123
11/13/2023@10:20:00.000 PM	0.099	0.103	0.102	0.141	0.12	0.123
11/13/2023@10:30:00.000 PM	0.116	0.131	0.12	0.141	0.12	0.123
11/13/2023@10:40:00.000 PM	0.134	0.155	0.139	0.141	0.12	0.123
11/13/2023@10:50:00.000 PM	0.189	0.207	0.188	0.141	0.12	0.123
11/13/2023@11:00:00.000 PM	0.158	0.189	0.174	0.141	0.12	0.123
11/13/2023@11:10:00.000 PM	0.189	0.214	0.2	0.141	0.12	0.123
11/13/2023@11:20:00.000 PM	0.203	0.23	0.206	0.141	0.12	0.123
11/13/2023@11:30:00.000 PM	0.168	0.201	0.178	0.141	0.12	0.123
11/13/2023@11:40:00.000 PM	0.19	0.223	0.198	0.141	0.12	0.123
11/13/2023@11:50:00.000 PM	0.21	0.24	0.211	0.141	0.12	0.123
11/14/2023@12:00:00.000 AM	0.212	0.243	0.218	0.173	0.198	0.179
11/14/2023@12:10:00.000 AM	0.123	0.149	0.138	0.173	0.198	0.179
11/14/2023@12:20:00.000 AM	0.177	0.2	0.175	0.173	0.198	0.179

11/14/2023@12:30:00.000 AM	0.207	0.234	0.204	0.173	0.198	0.179
11/14/2023@12:40:00.000 AM	0.2	0.225	0.203	0.173	0.198	0.179
11/14/2023@12:50:00.000 AM	0.191	0.217	0.188	0.173	0.198	0.179
11/14/2023@01:00:00.000 AM	0.175	0.212	0.191	0.173	0.198	0.179
11/14/2023@01:10:00.000 AM	0.094	0.103	0.101	0.173	0.198	0.179
11/14/2023@01:20:00.000 AM	0.101	0.111	0.104	0.173	0.198	0.179
11/14/2023@01:30:00.000 AM	0.128	0.148	0.136	0.173	0.198	0.179
11/14/2023@01:40:00.000 AM	0.098	0.11	0.105	0.173	0.198	0.179
11/14/2023@01:50:00.000 AM	0.105	0.114	0.116	0.173	0.198	0.179
11/14/2023@02:00:00.000 AM	0.11	0.127	0.12	0.154	0.176	0.158
11/14/2023@02:10:00.000 AM	0.094	0.107	0.099	0.154	0.176	0.158
11/14/2023@02:20:00.000 AM	0.097	0.11	0.105	0.154	0.176	0.158
11/14/2023@02:30:00.000 AM	0.102	0.116	0.109	0.154	0.176	0.158
11/14/2023@02:40:00.000 AM	0.098	0.108	0.104	0.154	0.176	0.158
11/14/2023@02:50:00.000 AM	0.107	0.127	0.118	0.154	0.176	0.158
11/14/2023@03:00:00.000 AM	0.18	0.212	0.187	0.154	0.176	0.158

11/14/2023@03:10:00.000 AM	0.102	0.109	0.105	0.154	0.176	0.158
11/14/2023@03:20:00.000 AM	0.098	0.106	0.103	0.154	0.176	0.158
11/14/2023@03:30:00.000 AM	0.106	0.12	0.115	0.154	0.176	0.158
11/14/2023@03:40:00.000 AM	0.101	0.112	0.107	0.154	0.176	0.158
11/14/2023@03:50:00.000 AM	0.098	0.106	0.103	0.154	0.176	0.158
11/14/2023@04:00:00.000 AM	0.102	0.109	0.104	0.113	0.128	0.118
11/14/2023@04:10:00.000 AM	0.107	0.117	0.111	0.113	0.128	0.118
11/14/2023@04:20:00.000 AM	0.102	0.111	0.105	0.113	0.128	0.118
11/14/2023@04:30:00.000 AM	0.095	0.104	0.101	0.113	0.128	0.118
11/14/2023@04:40:00.000 AM	0.098	0.106	0.101	0.113	0.128	0.118
11/14/2023@04:50:00.000 AM	0.093	0.101	0.097	0.113	0.128	0.118
11/14/2023@05:00:00.000 AM	0.094	0.104	0.097	0.113	0.128	0.118
11/14/2023@05:10:00.000 AM	0.093	0.101	0.097	0.113	0.128	0.118
11/14/2023@05:20:00.000 AM	0.1	0.104	0.102	0.113	0.128	0.118
11/14/2023@05:30:00.000 AM	0.094	0.106	0.098	0.113	0.128	0.118
11/14/2023@05:40:00.000 AM	0.091	0.101	0.096	0.113	0.128	0.118

11/14/2023@05:50:00.000 AM	0.097	0.104	0.099	0.113	0.128	0.118
11/14/2023@06:00:00.000 AM	0.103	0.11	0.107	0.097	0.106	0.101
11/14/2023@06:10:00.000 AM	0.092	0.102	0.099	0.097	0.106	0.101
11/14/2023@06:20:00.000 AM	0.093	0.103	0.098	0.097	0.106	0.101
11/14/2023@06:30:00.000 AM	0.102	0.107	0.103	0.097	0.106	0.101
11/14/2023@06:40:00.000 AM	0.118	0.129	0.134	0.097	0.106	0.101
11/14/2023@06:50:00.000 AM	0.142	0.13	0.134	0.097	0.106	0.101
11/14/2023@07:00:00.000 AM	0.116	0.129	0.126	0.097	0.106	0.101
11/14/2023@07:10:00.000 AM	0.143	0.269	0.153	0.097	0.106	0.101
11/14/2023@07:20:00.000 AM	0.098	0.107	0.102	0.097	0.106	0.101
11/14/2023@07:30:00.000 AM	0.093	0.102	0.1	0.097	0.106	0.101
11/14/2023@07:40:00.000 AM	0.199	0.101	0.288	0.097	0.106	0.101
11/14/2023@07:50:00.000 AM	0.115	0.131	0.135	0.097	0.106	0.101
11/14/2023@08:00:00.000 AM	0.255	0.281	0.269	0.149	0.168	0.172
11/14/2023@08:10:00.000 AM	0.303	0.358	0.319	0.149	0.168	0.172
11/14/2023@08:20:00.000 AM	0.512	0.613	0.584	0.149	0.168	0.172

11/14/2023@08:30:00.000 AM	0.317	0.403	0.462	0.149	0.168	0.172
11/14/2023@08:40:00.000 AM	0.444	0.472	0.422	0.149	0.168	0.172
11/14/2023@08:50:00.000 AM	1.243	0.53	0.529	0.149	0.168	0.172
11/14/2023@09:00:00.000 AM	0.981	1.414	7.046	0.149	0.168	0.172
11/14/2023@09:10:00.000 AM	0.214	0.229	0.243	0.149	0.168	0.172
11/14/2023@09:20:00.000 AM	0.244	0.238	0.229	0.149	0.168	0.172
11/14/2023@09:30:00.000 AM	0.169	0.181	0.184	0.149	0.168	0.172
11/14/2023@09:40:00.000 AM	0.29	0.362	0.314	0.149	0.168	0.172
11/14/2023@09:50:00.000 AM	0.367	0.315	0.406	0.149	0.168	0.172
11/14/2023@10:00:00.000 AM	0.31	0.294	0.332	0.649	0.667	3.08
11/14/2023@10:10:00.000 AM	0.108	0.116	0.111	0.649	0.667	3.08
11/14/2023@10:20:00.000 AM	0.189	0.203	0.194	0.649	0.667	3.08
11/14/2023@10:30:00.000 AM	0.145	0.147	0.138	0.649	0.667	3.08
11/14/2023@10:40:00.000 AM	0.101	0.123	0.108	0.649	0.667	3.08
11/14/2023@10:50:00.000 AM	0.111	0.118	0.116	0.649	0.667	3.08
11/14/2023@11:00:00.000 AM	0.124	0.122	0.144	0.649	0.667	3.08

11/14/2023@11:10:00.000 AM	0.14	0.161	0.17	0.649	0.667	3.08
11/14/2023@11:20:00.000 AM	0.174	0.172	0.2	0.649	0.667	3.08
11/14/2023@11:30:00.000 AM	0.152	0.172	0.154	0.649	0.667	3.08
11/14/2023@11:40:00.000 AM	0.14	0.163	0.163	0.649	0.667	3.08
11/14/2023@11:50:00.000 AM	0.105	0.113	0.106	0.649	0.667	3.08
11/14/2023@12:00:00.000 PM	0.101	0.106	0.111	0.139	0.149	0.15
11/14/2023@12:10:00.000 PM	0.098	0.106	0.099	0.139	0.149	0.15
11/14/2023@12:20:00.000 PM	0.15	0.175	0.182	0.139	0.149	0.15
11/14/2023@12:30:00.000 PM	0.146	0.158	0.141	0.139	0.149	0.15
11/14/2023@12:40:00.000 PM	0.193	0.207	0.204	0.139	0.149	0.15
11/14/2023@12:50:00.000 PM	0.099	0.107	0.104	0.139	0.149	0.15
11/14/2023@01:00:00.000 PM	0.178	0.199	0.185	0.139	0.149	0.15
11/14/2023@01:10:00.000 PM	0.162	0.182	0.176	0.139	0.149	0.15
11/14/2023@01:20:00.000 PM	0.136	0.14	0.155	0.139	0.149	0.15
11/14/2023@01:30:00.000 PM	0.122	0.13	0.122	0.139	0.149	0.15
11/14/2023@01:40:00.000 PM	0.196	0.208	0.209	0.139	0.149	0.15

11/14/2023@01:50:00.000 PM	0.387	0.38	0.437	0.139	0.149	0.15
11/14/2023@02:00:00.000 PM	0.132	0.157	0.154	0.201	0.208	0.223
11/14/2023@02:10:00.000 PM	0.094	0.099	0.097	0.201	0.208	0.223
11/14/2023@02:20:00.000 PM	0.15	0.202	0.172	0.201	0.208	0.223
11/14/2023@02:30:00.000 PM	0.145	0.129	0.175	0.201	0.208	0.223
11/14/2023@02:40:00.000 PM	0.099	0.103	0.1	0.201	0.208	0.223
11/14/2023@02:50:00.000 PM	0.101	0.102	0.1	0.201	0.208	0.223
11/14/2023@03:00:00.000 PM	0.178	0.213	0.224	0.201	0.208	0.223
11/14/2023@03:10:00.000 PM	0.258	0.258	0.294	0.201	0.208	0.223
11/14/2023@03:20:00.000 PM	0.159	0.243	0.159	0.201	0.208	0.223
11/14/2023@03:30:00.000 PM	0.208	0.365	0.21	0.201	0.208	0.223
11/14/2023@03:40:00.000 PM	0.134	0.155	0.134	0.201	0.208	0.223
11/14/2023@03:50:00.000 PM	0.098	0.104	0.102	0.201	0.208	0.223
11/14/2023@04:00:00.000 PM	0.096	0.112	0.101	0.16	0.209	0.178
11/14/2023@04:10:00.000 PM	0.14	0.147	0.131	0.16	0.209	0.178
11/14/2023@04:20:00.000 PM	0.173	0.175	0.192	0.16	0.209	0.178

11/14/2023@04:30:00.000 PM	0.108	0.117	0.112	0.16	0.209	0.178
11/14/2023@04:40:00.000 PM	0.113	0.135	0.132	0.16	0.209	0.178
11/14/2023@04:50:00.000 PM	0.233	0.423	0.248	0.16	0.209	0.178
11/14/2023@05:00:00.000 PM	0.117	0.124	0.119	0.16	0.209	0.178
11/14/2023@05:10:00.000 PM	0.124	0.12	0.13	0.16	0.209	0.178
11/14/2023@05:20:00.000 PM	0.109	0.11	0.11	0.16	0.209	0.178
11/14/2023@05:30:00.000 PM	0.432	0.432	0.431	0.16	0.209	0.178
11/14/2023@05:40:00.000 PM	0.257	0.255	0.275	0.16	0.209	0.178
11/14/2023@05:50:00.000 PM	0.14	0.123	0.13	0.16	0.209	0.178
11/14/2023@06:00:00.000 PM	0.403	0.465	0.477	0.253	0.29	0.273
11/14/2023@06:10:00.000 PM	0.256	0.262	0.283	0.253	0.29	0.273
11/14/2023@06:20:00.000 PM	0.148	0.152	0.134	0.253	0.29	0.273
11/14/2023@06:30:00.000 PM	0.128	0.13	0.135	0.253	0.29	0.273
11/14/2023@06:40:00.000 PM	0.109	0.121	0.113	0.253	0.29	0.273
11/14/2023@06:50:00.000 PM	0.585	0.559	0.591	0.253	0.29	0.273
11/14/2023@07:00:00.000 PM	0.443	0.45	0.458	0.253	0.29	0.273

11/14/2023@07:10:00.000 PM	0.403	0.413	0.437	0.253	0.29	0.273
11/14/2023@07:20:00.000 PM	0.124	0.132	0.131	0.253	0.29	0.273
11/14/2023@07:30:00.000 PM	0.365	0.409	0.415	0.253	0.29	0.273
11/14/2023@07:40:00.000 PM	0.179	0.19	0.173	0.253	0.29	0.273
11/14/2023@07:50:00.000 PM	0.108	0.11	0.107	0.253	0.29	0.273
11/14/2023@08:00:00.000 PM	0.108	0.11	0.118	0.331	0.333	0.346
11/14/2023@08:10:00.000 PM	0.431	0.366	0.416	0.331	0.333	0.346
11/14/2023@08:20:00.000 PM	0.237	0.261	0.267	0.331	0.333	0.346
11/14/2023@08:30:00.000 PM	0.098	0.105	0.101	0.331	0.333	0.346
11/14/2023@08:40:00.000 PM	0.479	0.477	0.524	0.331	0.333	0.346
11/14/2023@08:50:00.000 PM	0.243	0.292	0.216	0.331	0.333	0.346
11/14/2023@09:00:00.000 PM	0.117	0.128	0.131	0.331	0.333	0.346
11/14/2023@09:10:00.000 PM	0.114	0.126	0.119	0.331	0.333	0.346
11/14/2023@09:20:00.000 PM	0.406	0.473	0.473	0.331	0.333	0.346
11/14/2023@09:30:00.000 PM	0.368	0.458	0.387	0.331	0.333	0.346
11/14/2023@09:40:00.000 PM	0.177	0.18	0.174	0.331	0.333	0.346

11/14/2023@09:50:00.000 PM	0.581	0.536	0.509	0.331	0.333	0.346
11/14/2023@10:00:00.000 PM	0.333	0.32	0.31	0.364	0.368	0.365
11/14/2023@10:10:00.000 PM	0.177	0.179	0.208	0.364	0.368	0.365
11/14/2023@10:20:00.000 PM	0.098	0.105	0.1	0.364	0.368	0.365
11/14/2023@10:30:00.000 PM	0.175	0.192	0.212	0.364	0.368	0.365
11/14/2023@10:40:00.000 PM	0.463	0.457	0.703	0.364	0.368	0.365
11/14/2023@10:50:00.000 PM	0.249	0.298	0.313	0.364	0.368	0.365
11/14/2023@11:00:00.000 PM	0.175	0.205	0.151	0.364	0.368	0.365
11/14/2023@11:10:00.000 PM	0.104	0.112	0.103	0.364	0.368	0.365
11/14/2023@11:20:00.000 PM	0.098	0.103	0.097	0.364	0.368	0.365
11/14/2023@11:30:00.000 PM	0.296	0.369	0.416	0.364	0.368	0.365
11/14/2023@11:40:00.000 PM	0.487	0.591	0.509	0.364	0.368	0.365
11/14/2023@11:50:00.000 PM	0.221	0.239	0.248	0.364	0.368	0.365
11/15/2023@12:00:00.000 AM	0.114	0.121	0.115	0.288	0.327	0.373
11/15/2023@12:10:00.000 AM	0.391	0.56	0.444	0.288	0.327	0.373
11/15/2023@12:20:00.000 AM	0.436	0.466	0.471	0.288	0.327	0.373

11/15/2023@12:30:00.000 AM	0.542	0.537	0.588	0.288	0.327	0.373
11/15/2023@12:40:00.000 AM	0.454	0.456	0.455	0.288	0.327	0.373
11/15/2023@12:50:00.000 AM	0.144	0.177	0.154	0.288	0.327	0.373
11/15/2023@01:00:00.000 AM	0.094	0.104	0.098	0.288	0.327	0.373
11/15/2023@01:10:00.000 AM	0.103	0.109	0.106	0.288	0.327	0.373
11/15/2023@01:20:00.000 AM	0.102	0.107	0.103	0.288	0.327	0.373
11/15/2023@01:30:00.000 AM	0.375	0.442	0.42	0.288	0.327	0.373
11/15/2023@01:40:00.000 AM	0.107	0.114	0.11	0.288	0.327	0.373
11/15/2023@01:50:00.000 AM	0.093	0.1	0.095	0.288	0.327	0.373
11/15/2023@02:00:00.000 AM	0.094	0.1	0.098	0.336	0.374	0.363
11/15/2023@02:10:00.000 AM	0.454	0.515	0.472	0.336	0.374	0.363
11/15/2023@02:20:00.000 AM	0.419	0.462	0.407	0.336	0.374	0.363
11/15/2023@02:30:00.000 AM	0.522	0.563	0.647	0.336	0.374	0.363
11/15/2023@02:40:00.000 AM	0.242	0.255	0.282	0.336	0.374	0.363
11/15/2023@02:50:00.000 AM	0.126	0.132	0.139	0.336	0.374	0.363
11/15/2023@03:00:00.000 AM	0.094	0.1	0.097	0.336	0.374	0.363

11/15/2023@03:10:00.000 AM	0.469	0.538	0.555	0.336	0.374	0.363
11/15/2023@03:20:00.000 AM	0.425	0.437	0.504	0.336	0.374	0.363
11/15/2023@03:30:00.000 AM	0.627	0.587	0.638	0.336	0.374	0.363
11/15/2023@03:40:00.000 AM	0.092	0.098	0.094	0.336	0.374	0.363
11/15/2023@03:50:00.000 AM	0.429	0.459	0.446	0.336	0.374	0.363
11/15/2023@04:00:00.000 AM	0.25	0.282	0.254	0.413	0.436	0.456
11/15/2023@04:10:00.000 AM	0.125	0.126	0.126	0.413	0.436	0.456
11/15/2023@04:20:00.000 AM	0.251	0.323	0.331	0.413	0.436	0.456
11/15/2023@04:30:00.000 AM	0.394	0.47	0.465	0.413	0.436	0.456
11/15/2023@04:40:00.000 AM	0.397	0.455	0.476	0.413	0.436	0.456
11/15/2023@04:50:00.000 AM	0.366	0.285	0.352	0.413	0.436	0.456
11/15/2023@05:00:00.000 AM	0.624	0.685	0.651	0.413	0.436	0.456
11/15/2023@05:10:00.000 AM	0.35	0.338	0.33	0.413	0.436	0.456
11/15/2023@05:20:00.000 AM	0.146	0.152	0.166	0.413	0.436	0.456
11/15/2023@05:30:00.000 AM	0.096	0.103	0.102	0.413	0.436	0.456
11/15/2023@05:40:00.000 AM	0.505	0.53	0.472	0.413	0.436	0.456

11/15/2023@05:50:00.000 AM	0.346	0.409	0.415	0.413	0.436	0.456
11/15/2023@06:00:00.000 AM	0.428	0.526	0.472	0.393	0.434	0.42
11/15/2023@06:10:00.000 AM	0.106	0.11	0.109	0.393	0.434	0.42
11/15/2023@06:20:00.000 AM	0.387	0.442	0.463	0.393	0.434	0.42
11/15/2023@06:30:00.000 AM	0.193	0.234	0.262	0.393	0.434	0.42
11/15/2023@06:40:00.000 AM	0.123	0.13	0.126	0.393	0.434	0.42
11/15/2023@06:50:00.000 AM	0.098	0.104	0.101	0.393	0.434	0.42
11/15/2023@07:00:00.000 AM	0.505	0.492	0.511	0.393	0.434	0.42
11/15/2023@07:10:00.000 AM	0.416	0.396	0.374	0.393	0.434	0.42
11/15/2023@07:20:00.000 AM	0.234	0.27	0.715	0.393	0.434	0.42
11/15/2023@07:30:00.000 AM	0.223	0.229	0.27	0.393	0.434	0.42
11/15/2023@07:40:00.000 AM	0.574	0.604	0.619	0.393	0.434	0.42
11/15/2023@07:50:00.000 AM	0.265	0.28	0.269	0.393	0.434	0.42
11/15/2023@08:00:00.000 AM	0.161	0.182	0.161	0.348	0.361	0.43
11/15/2023@08:10:00.000 AM	0.114	0.117	0.118	0.348	0.361	0.43
11/15/2023@08:20:00.000 AM	0.38	0.482	0.486	0.348	0.361	0.43

11/15/2023@08:30:00.000 AM	0.538	0.552	0.526	0.348	0.361	0.43
11/15/2023@08:40:00.000 AM	0.468	0.461	0.483	0.348	0.361	0.43
11/15/2023@08:50:00.000 AM	0.095	0.103	0.096	0.348	0.361	0.43
11/15/2023@09:00:00.000 AM	0.095	0.103	0.102	0.348	0.361	0.43
11/15/2023@09:10:00.000 AM	0.426	0.465	0.433	0.348	0.361	0.43
11/15/2023@09:20:00.000 AM	0.189	0.186	0.179	0.348	0.361	0.43
11/15/2023@09:30:00.000 AM	0.106	0.112	0.109	0.348	0.361	0.43
11/15/2023@09:40:00.000 AM	0.303	0.374	0.404	0.348	0.361	0.43
11/15/2023@09:50:00.000 AM	0.385	0.475	0.46	0.348	0.361	0.43
11/15/2023@10:00:00.000 AM	0.304	0.309	0.295	0.35	0.384	0.379
11/15/2023@10:10:00.000 AM	0.35	0.397	0.391	0.35	0.384	0.379
11/15/2023@10:20:00.000 AM	0.261	0.284	0.255	0.35	0.384	0.379
11/15/2023@10:30:00.000 AM	0.238	0.238	0.255	0.35	0.384	0.379
11/15/2023@10:40:00.000 AM	0.103	0.113	0.106	0.35	0.384	0.379
11/15/2023@10:50:00.000 AM	0.571	0.719	0.509	0.35	0.384	0.379
11/15/2023@11:00:00.000 AM	0.387	0.423	0.432	0.35	0.384	0.379

11/15/2023@11:10:00.000 AM	0.377	0.471	0.378	0.35	0.384	0.379
11/15/2023@11:20:00.000 AM	0.331	0.411	0.375	0.35	0.384	0.379
11/15/2023@11:30:00.000 AM	0.49	0.564	0.529	0.35	0.384	0.379
11/15/2023@11:40:00.000 AM	0.241	0.249	0.242	0.35	0.384	0.379
11/15/2023@11:50:00.000 AM	0.153	0.144	0.14	0.35	0.384	0.379
11/15/2023@12:00:00.000 PM	0.512	0.503	0.555	0.384	0.444	0.397
11/15/2023@12:10:00.000 PM	0.558	0.533	0.606	0.384	0.444	0.397
11/15/2023@12:20:00.000 PM	0.326	0.412	0.392	0.384	0.444	0.397
11/15/2023@12:30:00.000 PM	0.124	0.123	0.127	0.384	0.444	0.397
11/15/2023@12:40:00.000 PM	0.604	0.692	0.651	0.384	0.444	0.397
11/15/2023@12:50:00.000 PM	0.339	0.347	0.343	0.384	0.444	0.397
11/15/2023@01:00:00.000 PM	0.185	0.194	0.215	0.384	0.444	0.397
11/15/2023@01:10:00.000 PM	0.274	0.285	0.234	0.384	0.444	0.397
11/15/2023@01:20:00.000 PM	0.523	0.557	0.579	0.384	0.444	0.397
11/15/2023@01:30:00.000 PM	0.607	0.653	0.586	0.384	0.444	0.397
11/15/2023@01:40:00.000 PM	0.29	0.303	0.304	0.384	0.444	0.397

11/15/2023@01:50:00.000 PM	0.093	0.102	0.095	0.384	0.444	0.397
11/15/2023@02:00:00.000 PM	0.438	0.43	0.509	0.433	0.462	0.462
11/15/2023@02:10:00.000 PM	0.334	0.357	0.424	0.433	0.462	0.462
11/15/2023@02:20:00.000 PM	0.227	0.248	0.251	0.433	0.462	0.462
11/15/2023@02:30:00.000 PM	0.112	0.118	0.113	0.433	0.462	0.462
11/15/2023@02:40:00.000 PM	0.472	0.503	0.492	0.433	0.462	0.462
11/15/2023@02:50:00.000 PM	0.482	0.672	0.46	0.433	0.462	0.462
11/15/2023@03:00:00.000 PM	0.269	0.313	0.282	0.433	0.462	0.462
11/15/2023@03:10:00.000 PM	0.096	0.106	0.1	0.433	0.462	0.462
11/15/2023@03:20:00.000 PM	0.109	0.116	0.11	0.433	0.462	0.462
11/15/2023@03:30:00.000 PM	0.664	0.683	0.676	0.433	0.462	0.462
11/15/2023@03:40:00.000 PM	0.382	0.374	0.272	0.433	0.462	0.462
11/15/2023@03:50:00.000 PM	0.187	0.174	0.18	0.433	0.462	0.462
11/15/2023@04:00:00.000 PM	0.12	0.126	0.123	0.378	0.422	0.383
11/15/2023@04:10:00.000 PM	0.095	0.104	0.106	0.378	0.422	0.383
11/15/2023@04:20:00.000 PM	0.55	0.609	0.481	0.378	0.422	0.383

11/15/2023@04:30:00.000 PM	0.493	0.616	0.53	0.378	0.422	0.383
11/15/2023@04:40:00.000 PM	0.606	0.697	0.564	0.378	0.422	0.383
11/15/2023@04:50:00.000 PM	0.43	0.527	0.51	0.378	0.422	0.383
11/15/2023@05:00:00.000 PM	0.194	0.232	0.226	0.378	0.422	0.383
11/15/2023@05:10:00.000 PM	0.146	0.162	0.155	0.378	0.422	0.383
11/15/2023@05:20:00.000 PM	0.533	0.576	0.403	0.378	0.422	0.383
11/15/2023@05:30:00.000 PM	0.529	0.554	0.451	0.378	0.422	0.383
11/15/2023@05:40:00.000 PM	0.203	0.237	0.24	0.378	0.422	0.383
11/15/2023@05:50:00.000 PM	0.115	0.112	0.134	0.378	0.422	0.383
11/15/2023@06:00:00.000 PM	0.696	0.695	0.745	0.47	0.519	0.461
11/15/2023@06:10:00.000 PM	0.359	0.309	0.363	0.47	0.519	0.461
11/15/2023@06:20:00.000 PM	0.292	0.303	0.327	0.47	0.519	0.461
11/15/2023@06:30:00.000 PM	0.174	0.209	0.185	0.47	0.519	0.461
11/15/2023@06:40:00.000 PM	0.468	0.502	0.494	0.47	0.519	0.461
11/15/2023@06:50:00.000 PM	0.155	0.177	0.18	0.47	0.519	0.461
11/15/2023@07:00:00.000 PM	0.178	0.206	0.182	0.47	0.519	0.461

11/15/2023@07:10:00.000 PM	0.214	0.246	0.217	0.47	0.519	0.461
11/15/2023@07:20:00.000 PM	0.128	0.177	0.156	0.47	0.519	0.461
11/15/2023@07:30:00.000 PM	0.131	0.151	0.137	0.47	0.519	0.461
11/15/2023@07:40:00.000 PM	0.159	0.158	0.162	0.47	0.519	0.461
11/15/2023@07:50:00.000 PM	0.099	0.109	0.103	0.47	0.519	0.461
11/15/2023@08:00:00.000 PM	0.177	0.238	0.187	0.261	0.275	0.275
11/15/2023@08:10:00.000 PM	0.485	0.567	0.526	0.261	0.275	0.275
11/15/2023@08:20:00.000 PM	0.275	0.322	0.327	0.261	0.275	0.275
11/15/2023@08:30:00.000 PM	0.528	0.532	0.551	0.261	0.275	0.275
11/15/2023@08:40:00.000 PM	0.449	0.484	0.516	0.261	0.275	0.275
11/15/2023@08:50:00.000 PM	0.171	0.196	0.213	0.261	0.275	0.275
11/15/2023@09:00:00.000 PM	0.207	0.241	0.225	0.261	0.275	0.275
11/15/2023@09:10:00.000 PM	0.167	0.162	0.171	0.261	0.275	0.275
11/15/2023@09:20:00.000 PM	0.402	0.484	0.485	0.261	0.275	0.275
11/15/2023@09:30:00.000 PM	0.309	0.299	0.273	0.261	0.275	0.275
11/15/2023@09:40:00.000 PM	0.15	0.168	0.158	0.261	0.275	0.275

11/15/2023@09:50:00.000 PM	0.094	0.103	0.101	0.261	0.275	0.275
11/15/2023@10:00:00.000 PM	0.467	0.494	0.511	0.367	0.401	0.403
11/15/2023@10:10:00.000 PM	0.321	0.324	0.328	0.367	0.401	0.403
11/15/2023@10:20:00.000 PM	0.146	0.173	0.163	0.367	0.401	0.403
11/15/2023@10:30:00.000 PM	0.121	0.135	0.121	0.367	0.401	0.403
11/15/2023@10:40:00.000 PM	0.462	0.461	0.507	0.367	0.401	0.403
11/15/2023@10:50:00.000 PM	0.36	0.328	0.355	0.367	0.401	0.403
11/15/2023@11:00:00.000 PM	0.415	0.423	0.452	0.367	0.401	0.403
11/15/2023@11:10:00.000 PM	0.387	0.359	0.401	0.367	0.401	0.403
11/15/2023@11:20:00.000 PM	0.142	0.155	0.157	0.367	0.401	0.403
11/15/2023@11:30:00.000 PM	0.109	0.12	0.112	0.367	0.401	0.403
11/15/2023@11:40:00.000 PM	0.378	0.388	0.425	0.367	0.401	0.403
11/15/2023@11:50:00.000 PM	0.323	0.318	0.337	0.367	0.401	0.403
11/16/2023@12:00:00.000 AM	0.471	0.447	0.502	0.349	0.343	0.372
11/16/2023@12:10:00.000 AM	0.353	0.365	0.422	0.349	0.343	0.372
11/16/2023@12:20:00.000 AM	0.135	0.137	0.139	0.349	0.343	0.372

11/16/2023@12:30:00.000 AM	0.095	0.106	0.102	0.349	0.343	0.372
11/16/2023@12:40:00.000 AM	0.392	0.471	0.4	0.349	0.343	0.372
11/16/2023@12:50:00.000 AM	0.282	0.323	0.298	0.349	0.343	0.372
11/16/2023@01:00:00.000 AM	0.469	0.505	0.501	0.349	0.343	0.372
11/16/2023@01:10:00.000 AM	0.136	0.15	0.142	0.349	0.343	0.372
11/16/2023@01:20:00.000 AM	0.112	0.126	0.121	0.349	0.343	0.372
11/16/2023@01:30:00.000 AM	0.228	0.322	0.319	0.349	0.343	0.372
11/16/2023@01:40:00.000 AM	0.353	0.428	0.475	0.349	0.343	0.372
11/16/2023@01:50:00.000 AM	0.562	0.566	0.608	0.349	0.343	0.372
11/16/2023@02:00:00.000 AM	0.346	0.37	0.429	0.349	0.382	0.396
11/16/2023@02:10:00.000 AM	0.14	0.16	0.157	0.349	0.382	0.396
11/16/2023@02:20:00.000 AM	0.126	0.135	0.126	0.349	0.382	0.396
11/16/2023@02:30:00.000 AM	0.496	0.49	0.493	0.349	0.382	0.396
11/16/2023@02:40:00.000 AM	0.374	0.336	0.388	0.349	0.382	0.396
11/16/2023@02:50:00.000 AM	0.461	0.521	0.465	0.349	0.382	0.396
11/16/2023@03:00:00.000 AM	0.348	0.33	0.364	0.349	0.382	0.396

11/16/2023@03:10:00.000 AM	0.144	0.165	0.159	0.349	0.382	0.396
11/16/2023@03:20:00.000 AM	0.092	0.11	0.098	0.349	0.382	0.396
11/16/2023@03:30:00.000 AM	0.577	0.576	0.598	0.349	0.382	0.396
11/16/2023@03:40:00.000 AM	0.359	0.396	0.378	0.349	0.382	0.396
11/16/2023@03:50:00.000 AM	0.567	0.578	0.598	0.349	0.382	0.396
11/16/2023@04:00:00.000 AM	0.3	0.284	0.299	0.4	0.408	0.413
11/16/2023@04:10:00.000 AM	0.141	0.148	0.15	0.4	0.408	0.413
11/16/2023@04:20:00.000 AM	0.387	0.388	0.399	0.4	0.408	0.413
11/16/2023@04:30:00.000 AM	0.519	0.545	0.513	0.4	0.408	0.413
11/16/2023@04:40:00.000 AM	0.465	0.511	0.472	0.4	0.408	0.413
11/16/2023@04:50:00.000 AM	0.465	0.533	0.532	0.4	0.408	0.413
11/16/2023@05:00:00.000 AM	0.221	0.261	0.273	0.4	0.408	0.413
11/16/2023@05:10:00.000 AM	0.142	0.153	0.158	0.4	0.408	0.413
11/16/2023@05:20:00.000 AM	0.319	0.324	0.307	0.4	0.408	0.413
11/16/2023@05:30:00.000 AM	0.478	0.489	0.552	0.4	0.408	0.413
11/16/2023@05:40:00.000 AM	0.461	0.497	0.48	0.4	0.408	0.413

11/16/2023@05:50:00.000 AM	0.54	0.538	0.584	0.4	0.408	0.413
11/16/2023@06:00:00.000 AM	0.339	0.338	0.32	0.414	0.436	0.44
11/16/2023@06:10:00.000 AM	0.149	0.152	0.166	0.414	0.436	0.44
11/16/2023@06:20:00.000 AM	0.098	0.103	0.1	0.414	0.436	0.44
11/16/2023@06:30:00.000 AM	0.425	0.483	0.541	0.414	0.436	0.44
11/16/2023@06:40:00.000 AM	0.284	0.293	0.308	0.414	0.436	0.44
11/16/2023@06:50:00.000 AM	0.5	0.461	0.492	0.414	0.436	0.44
11/16/2023@07:00:00.000 AM	0.457	0.498	0.47	0.414	0.436	0.44
11/16/2023@07:10:00.000 AM	0.214	0.2	0.19	0.414	0.436	0.44
11/16/2023@07:20:00.000 AM	0.121	0.129	0.136	0.414	0.436	0.44
11/16/2023@07:30:00.000 AM	0.374	0.367	0.292	0.414	0.436	0.44
11/16/2023@07:40:00.000 AM	0.463	0.536	0.499	0.414	0.436	0.44
11/16/2023@07:50:00.000 AM	0.252	0.318	0.235	0.414	0.436	0.44
11/16/2023@08:00:00.000 AM	0.519	0.582	0.525	0.377	0.407	0.394
11/16/2023@08:10:00.000 AM	0.251	0.22	0.238	0.377	0.407	0.394
11/16/2023@08:20:00.000 AM	0.163	0.173	0.164	0.377	0.407	0.394

11/16/2023@08:30:00.000 AM	0.168	0.218	0.159	0.377	0.407	0.394
11/16/2023@08:40:00.000 AM	0.459	0.45	0.476	0.377	0.407	0.394
11/16/2023@08:50:00.000 AM	0.325	0.393	0.394	0.377	0.407	0.394
11/16/2023@09:00:00.000 AM	0.431	0.486	0.545	0.377	0.407	0.394
11/16/2023@09:10:00.000 AM	0.142	0.17	0.193	0.377	0.407	0.394
11/16/2023@09:20:00.000 AM	0.134	0.14	0.162	0.377	0.407	0.394
11/16/2023@09:30:00.000 AM	0.1	0.105	0.102	0.377	0.407	0.394
11/16/2023@09:40:00.000 AM	0.464	0.514	0.506	0.377	0.407	0.394
11/16/2023@09:50:00.000 AM	0.383	0.415	0.339	0.377	0.407	0.394
11/16/2023@10:00:00.000 AM	0.974	0.586	0.529	0.479	0.39	0.384
11/16/2023@10:10:00.000 AM	0.198	0.215	0.205	0.479	0.39	0.384
11/16/2023@10:20:00.000 AM	0.176	0.188	0.193	0.479	0.39	0.384
11/16/2023@10:30:00.000 AM	0.094	0.101	0.098	0.479	0.39	0.384
11/16/2023@10:40:00.000 AM	0.626	0.635	0.635	0.479	0.39	0.384
11/16/2023@10:50:00.000 AM	0.47	0.472	0.48	0.479	0.39	0.384
11/16/2023@11:00:00.000 AM	0.569	0.478	0.584	0.479	0.39	0.384

11/16/2023@11:10:00.000 AM	0.338	0.325	0.332	0.479	0.39	0.384
11/16/2023@11:20:00.000 AM	0.176	0.178	0.202	0.479	0.39	0.384
11/16/2023@11:30:00.000 AM	0.41	0.442	0.553	0.479	0.39	0.384
11/16/2023@11:40:00.000 AM	0.62	0.62	0.609	0.479	0.39	0.384
11/16/2023@11:50:00.000 AM	0.491	0.486	0.472	0.479	0.39	0.384
11/16/2023@12:00:00.000 PM	0.471	0.556	0.498	0.454	0.456	0.471
11/16/2023@12:10:00.000 PM	0.163	0.181	0.198	0.454	0.456	0.471
11/16/2023@12:20:00.000 PM	0.157	0.165	0.147	0.454	0.456	0.471
11/16/2023@12:30:00.000 PM	0.532	0.481	0.511	0.454	0.456	0.471
11/16/2023@12:40:00.000 PM	0.623	0.681	0.508	0.454	0.456	0.471
11/16/2023@12:50:00.000 PM	0.583	0.635	0.645	0.454	0.456	0.471
11/16/2023@01:00:00.000 PM	0.347	0.371	0.356	0.454	0.456	0.471
11/16/2023@01:10:00.000 PM	0.201	0.227	0.209	0.454	0.456	0.471
11/16/2023@01:20:00.000 PM	0.189	0.185	0.14	0.454	0.456	0.471
11/16/2023@01:30:00.000 PM	0.499	0.529	0.544	0.454	0.456	0.471
11/16/2023@01:40:00.000 PM	0.389	0.451	0.444	0.454	0.456	0.471

11/16/2023@01:50:00.000 PM	0.567	0.614	0.563	0.454	0.456	0.471
11/16/2023@02:00:00.000 PM	0.367	0.318	0.336	0.447	0.473	0.446
11/16/2023@02:10:00.000 PM	0.146	0.165	0.163	0.447	0.473	0.446
11/16/2023@02:20:00.000 PM	0.334	0.331	0.379	0.447	0.473	0.446
11/16/2023@02:30:00.000 PM	0.602	0.595	0.646	0.447	0.473	0.446
11/16/2023@02:40:00.000 PM	0.537	0.575	0.614	0.447	0.473	0.446
11/16/2023@02:50:00.000 PM	0.494	0.617	0.58	0.447	0.473	0.446
11/16/2023@03:00:00.000 PM	0.163	0.173	0.169	0.447	0.473	0.446
11/16/2023@03:10:00.000 PM	0.17	0.18	0.168	0.447	0.473	0.446
11/16/2023@03:20:00.000 PM	0.516	0.54	0.624	0.447	0.473	0.446
11/16/2023@03:30:00.000 PM	0.449	0.55	0.507	0.447	0.473	0.446
11/16/2023@03:40:00.000 PM	0.857	0.733	0.712	0.447	0.473	0.446
11/16/2023@03:50:00.000 PM	0.363	0.354	0.422	0.447	0.473	0.446
11/16/2023@04:00:00.000 PM	0.167	0.172	0.182	0.495	0.495	0.509
11/16/2023@04:10:00.000 PM	0.112	0.122	0.115	0.495	0.495	0.509
11/16/2023@04:20:00.000 PM	0.694	0.666	0.722	0.495	0.495	0.509

11/16/2023@04:30:00.000 PM	0.492	0.563	0.463	0.495	0.495	0.509
11/16/2023@04:40:00.000 PM	0.548	0.693	0.653	0.495	0.495	0.509
11/16/2023@04:50:00.000 PM	0.212	0.196	0.191	0.495	0.495	0.509
11/16/2023@05:00:00.000 PM	0.135	0.149	0.148	0.495	0.495	0.509
11/16/2023@05:10:00.000 PM	0.211	0.157	0.173	0.495	0.495	0.509
11/16/2023@05:20:00.000 PM	0.56	0.64	0.61	0.495	0.495	0.509
11/16/2023@05:30:00.000 PM	0.469	0.551	0.516	0.495	0.495	0.509
11/16/2023@05:40:00.000 PM	0.61	0.732	0.652	0.495	0.495	0.509
11/16/2023@05:50:00.000 PM	0.267	0.302	0.328	0.495	0.495	0.509
11/16/2023@06:00:00.000 PM	0.18	0.199	0.201	0.46	0.519	0.495
11/16/2023@06:10:00.000 PM	0.257	0.243	0.279	0.46	0.519	0.495
11/16/2023@06:20:00.000 PM	0.391	0.374	0.404	0.46	0.519	0.495
11/16/2023@06:30:00.000 PM	0.379	0.458	0.359	0.46	0.519	0.495
11/16/2023@06:40:00.000 PM	0.392	0.427	0.431	0.46	0.519	0.495
11/16/2023@06:50:00.000 PM	0.153	0.15	0.157	0.46	0.519	0.495
11/16/2023@07:00:00.000 PM	0.149	0.143	0.165	0.46	0.519	0.495

11/16/2023@07:10:00.000 PM	0.331	0.338	0.421	0.46	0.519	0.495
11/16/2023@07:20:00.000 PM	0.401	0.442	0.384	0.46	0.519	0.495
11/16/2023@07:30:00.000 PM	0.482	0.454	0.482	0.46	0.519	0.495
11/16/2023@07:40:00.000 PM	0.771	0.453	0.467	0.46	0.519	0.495
11/16/2023@07:50:00.000 PM	0.142	0.153	0.153	0.46	0.519	0.495
11/16/2023@08:00:00.000 PM	0.124	0.125	0.126	0.418	0.361	0.363
11/16/2023@08:10:00.000 PM	0.443	0.477	0.46	0.418	0.361	0.363
11/16/2023@08:20:00.000 PM	0.307	0.344	0.398	0.418	0.361	0.363
11/16/2023@08:30:00.000 PM	0.525	0.637	0.591	0.418	0.361	0.363
11/16/2023@08:40:00.000 PM	0.332	0.39	0.315	0.418	0.361	0.363
11/16/2023@08:50:00.000 PM	0.168	0.174	0.177	0.418	0.361	0.363
11/16/2023@09:00:00.000 PM	0.247	0.244	0.25	0.418	0.361	0.363
11/16/2023@09:10:00.000 PM	0.407	0.403	0.431	0.418	0.361	0.363
11/16/2023@09:20:00.000 PM	0.427	0.506	0.399	0.418	0.361	0.363
11/16/2023@09:30:00.000 PM	0.42	0.476	0.405	0.418	0.361	0.363
11/16/2023@09:40:00.000 PM	0.158	0.189	0.197	0.418	0.361	0.363

11/16/2023@09:50:00.000 PM	0.131	0.141	0.151	0.418	0.361	0.363
11/16/2023@10:00:00.000 PM	0.433	0.492	0.447	0.373	0.425	0.393
11/16/2023@10:10:00.000 PM	0.441	0.492	0.452	0.373	0.425	0.393
11/16/2023@10:20:00.000 PM	0.406	0.407	0.425	0.373	0.425	0.393
11/16/2023@10:30:00.000 PM	0.326	0.283	0.265	0.373	0.425	0.393
11/16/2023@10:40:00.000 PM	0.128	0.143	0.135	0.373	0.425	0.393
11/16/2023@10:50:00.000 PM	0.096	0.102	0.098	0.373	0.425	0.393
11/16/2023@11:00:00.000 PM	0.151	0.146	0.176	0.373	0.425	0.393
11/16/2023@11:10:00.000 PM	0.503	0.54	0.463	0.373	0.425	0.393
11/16/2023@11:20:00.000 PM	0.365	0.415	0.357	0.373	0.425	0.393
11/16/2023@11:30:00.000 PM	0.44	0.483	0.509	0.373	0.425	0.393
11/16/2023@11:40:00.000 PM	0.963	0.829	4.473	0.373	0.425	0.393
11/16/2023@11:50:00.000 PM	0.17	0.191	0.175	0.373	0.425	0.393
11/17/2023@12:00:00.000 AM	0.141	0.152	0.158	0.483	0.456	1.957
11/17/2023@12:10:00.000 AM	0.1	0.112	0.11	0.483	0.456	1.957
11/17/2023@12:20:00.000 AM	0.387	0.388	0.407	0.483	0.456	1.957

11/17/2023@12:30:00.000 AM	0.094	0.099	0.095	0.483	0.456	1.957
11/17/2023@12:40:00.000 AM	0.11	0.111	0.109	0.483	0.456	1.957
11/17/2023@12:50:00.000 AM	0.099	0.1	0.102	0.483	0.456	1.957
11/17/2023@01:00:00.000 AM	0.094	0.101	0.097	0.483	0.456	1.957
11/17/2023@01:10:00.000 AM	0.096	0.1	0.096	0.483	0.456	1.957
11/17/2023@01:20:00.000 AM	0.34	0.367	0.342	0.483	0.456	1.957
11/17/2023@01:30:00.000 AM	0.315	0.377	0.298	0.483	0.456	1.957
11/17/2023@01:40:00.000 AM	0.432	0.459	0.46	0.483	0.456	1.957
11/17/2023@01:50:00.000 AM	0.255	0.231	0.223	0.483	0.456	1.957
11/17/2023@02:00:00.000 AM	0.137	0.146	0.142	0.269	0.286	0.276
11/17/2023@02:10:00.000 AM	0.354	0.345	0.356	0.269	0.286	0.276
11/17/2023@02:20:00.000 AM	0.455	0.509	0.493	0.269	0.286	0.276
11/17/2023@02:30:00.000 AM	0.25	0.267	0.245	0.269	0.286	0.276
11/17/2023@02:40:00.000 AM	0.17	0.099	0.228	0.269	0.286	0.276
11/17/2023@02:50:00.000 AM	0.097	0.104	0.101	0.269	0.286	0.276
11/17/2023@03:00:00.000 AM	0.417	0.518	0.533	0.269	0.286	0.276

11/17/2023@03:10:00.000 AM	0.352	0.386	0.347	0.269	0.286	0.276
11/17/2023@03:20:00.000 AM	0.149	0.166	0.162	0.269	0.286	0.276
11/17/2023@03:30:00.000 AM	0.104	0.11	0.107	0.269	0.286	0.276
11/17/2023@03:40:00.000 AM	0.402	0.428	0.423	0.269	0.286	0.276
11/17/2023@03:50:00.000 AM	0.427	0.455	0.454	0.269	0.286	0.276
11/17/2023@04:00:00.000 AM	0.412	0.431	0.429	0.345	0.378	0.376
11/17/2023@04:10:00.000 AM	0.105	0.107	0.104	0.345	0.378	0.376
11/17/2023@04:20:00.000 AM	0.402	0.459	0.457	0.345	0.378	0.376
11/17/2023@04:30:00.000 AM	0.355	0.203	0.181	0.345	0.378	0.376
11/17/2023@04:40:00.000 AM	0.547	0.578	0.529	0.345	0.378	0.376
11/17/2023@04:50:00.000 AM	0.411	0.461	0.45	0.345	0.378	0.376
11/17/2023@05:00:00.000 AM	0.429	0.399	0.423	0.345	0.378	0.376
11/17/2023@05:10:00.000 AM	0.475	0.522	0.509	0.345	0.378	0.376
11/17/2023@05:20:00.000 AM	0.353	0.405	0.366	0.345	0.378	0.376
11/17/2023@05:30:00.000 AM	0.14	0.153	0.153	0.345	0.378	0.376
11/17/2023@05:40:00.000 AM	0.22	0.231	0.235	0.345	0.378	0.376

11/17/2023@05:50:00.000 AM	0.417	0.498	0.497	0.345	0.378	0.376
11/17/2023@06:00:00.000 AM	0.449	0.402	0.393	0.397	0.418	0.405
11/17/2023@06:10:00.000 AM	0.566	0.479	0.524	0.397	0.418	0.405
11/17/2023@06:20:00.000 AM	0.236	0.272	0.193	0.397	0.418	0.405
11/17/2023@06:30:00.000 AM	0.153	0.17	0.157	0.397	0.418	0.405
11/17/2023@06:40:00.000 AM	0.315	0.288	0.32	0.397	0.418	0.405
11/17/2023@06:50:00.000 AM	0.442	0.487	0.538	0.397	0.418	0.405
11/17/2023@07:00:00.000 AM	0.427	0.541	0.628	0.397	0.418	0.405
11/17/2023@07:10:00.000 AM	0.45	0.46	0.452	0.397	0.418	0.405
11/17/2023@07:20:00.000 AM	0.175	0.195	0.196	0.397	0.418	0.405
11/17/2023@07:30:00.000 AM	0.115	0.115	0.127	0.397	0.418	0.405
11/17/2023@07:40:00.000 AM	0.488	0.518	0.473	0.397	0.418	0.405
11/17/2023@07:50:00.000 AM	0.482	0.563	0.484	0.397	0.418	0.405
11/17/2023@08:00:00.000 AM	0.465	0.431	0.516	0.409	0.427	0.444
11/17/2023@08:10:00.000 AM	0.305	0.376	0.354	0.409	0.427	0.444
11/17/2023@08:20:00.000 AM	0.165	0.193	0.182	0.409	0.427	0.444

11/17/2023@08:30:00.000 AM	0.119	0.127	0.122	0.409	0.427	0.444
11/17/2023@08:40:00.000 AM	0.552	0.624	0.534	0.409	0.427	0.444
11/17/2023@08:50:00.000 AM	0.289	0.311	0.282	0.409	0.427	0.444
11/17/2023@09:00:00.000 AM	0.421	0.453	0.499	0.409	0.427	0.444
11/17/2023@09:10:00.000 AM	0.344	0.351	0.512	0.409	0.427	0.444
11/17/2023@09:20:00.000 AM	0.137	0.145	0.151	0.409	0.427	0.444
11/17/2023@09:30:00.000 AM	0.308	0.383	0.411	0.409	0.427	0.444
11/17/2023@09:40:00.000 AM	0.387	0.423	0.464	0.409	0.427	0.444
11/17/2023@09:50:00.000 AM	0.324	0.254	0.26	0.409	0.427	0.444
11/17/2023@10:00:00.000 AM	0.403	0.348	0.456	0.354	0.381	0.4
11/17/2023@10:10:00.000 AM	0.354	0.529	0.389	0.354	0.381	0.4
11/17/2023@10:20:00.000 AM	0.198	0.202	0.219	0.354	0.381	0.4
11/17/2023@10:30:00.000 AM	0.099	0.104	0.104	0.354	0.381	0.4
11/17/2023@10:40:00.000 AM	0.574	0.663	0.57	0.354	0.381	0.4
11/17/2023@10:50:00.000 AM	0.413	0.465	0.481	0.354	0.381	0.4
11/17/2023@11:00:00.000 AM	0.245	0.122	0.239	0.354	0.381	0.4

11/17/2023@11:10:00.000 AM	0.63	0.643	0.698	0.354	0.381	0.4
11/17/2023@11:20:00.000 AM	0.328	0.295	0.354	0.354	0.381	0.4
11/17/2023@11:30:00.000 AM	0.177	0.191	0.192	0.354	0.381	0.4
11/17/2023@11:40:00.000 AM	1.171	1.349	4.064	0.354	0.381	0.4
11/17/2023@11:50:00.000 AM	0.625	0.642	0.539	0.354	0.381	0.4
11/17/2023@12:00:00.000 PM	0.585	0.603	0.622	0.606	0.681	1.785
11/17/2023@12:10:00.000 PM	0.529	0.58	0.532	0.606	0.681	1.785
11/17/2023@12:20:00.000 PM	0.192	0.215	0.218	0.606	0.681	1.785
11/17/2023@12:30:00.000 PM	0.168	0.159	0.147	0.606	0.681	1.785
11/17/2023@12:40:00.000 PM	0.503	0.544	0.575	0.606	0.681	1.785
11/17/2023@12:50:00.000 PM	1.177	1.147	1.143	0.606	0.681	1.785
11/17/2023@01:00:00.000 PM	0.53	0.667	0.626	0.606	0.681	1.785
11/17/2023@01:10:00.000 PM	0.391	0.404	0.4	0.606	0.681	1.785
11/17/2023@01:20:00.000 PM	0.173	0.198	0.2	0.606	0.681	1.785
11/17/2023@01:30:00.000 PM	0.096	0.103	0.099	0.606	0.681	1.785
11/17/2023@01:40:00.000 PM	0.562	0.659	0.615	0.606	0.681	1.785

11/17/2023@01:50:00.000 PM	0.456	0.496	0.394	0.606	0.681	1.785
11/17/2023@02:00:00.000 PM	0.535	0.648	0.598	0.597	0.625	0.606
11/17/2023@02:10:00.000 PM	0.469	0.497	0.473	0.597	0.625	0.606
11/17/2023@02:20:00.000 PM	0.2	0.231	0.218	0.597	0.625	0.606
11/17/2023@02:30:00.000 PM	0.157	0.188	0.168	0.597	0.625	0.606
11/17/2023@02:40:00.000 PM	0.681	0.798	0.666	0.597	0.625	0.606
11/17/2023@02:50:00.000 PM	0.494	0.573	0.424	0.597	0.625	0.606
11/17/2023@03:00:00.000 PM	0.562	0.612	0.673	0.597	0.625	0.606
11/17/2023@03:10:00.000 PM	0.536	0.607	0.56	0.597	0.625	0.606
11/17/2023@03:20:00.000 PM	0.241	0.266	0.242	0.597	0.625	0.606
11/17/2023@03:30:00.000 PM	0.321	0.329	0.313	0.597	0.625	0.606
11/17/2023@03:40:00.000 PM	0.492	0.534	0.442	0.597	0.625	0.606
11/17/2023@03:50:00.000 PM	0.387	0.43	0.411	0.597	0.625	0.606
11/17/2023@04:00:00.000 PM	0.378	0.406	0.403	0.459	0.516	0.469
11/17/2023@04:10:00.000 PM	0.237	0.271	0.238	0.459	0.516	0.469
11/17/2023@04:20:00.000 PM	0.466	0.51	0.46	0.459	0.516	0.469

11/17/2023@04:30:00.000 PM	0.303	0.347	0.38	0.459	0.516	0.469
11/17/2023@04:40:00.000 PM	0.409	0.436	0.499	0.459	0.516	0.469
11/17/2023@04:50:00.000 PM	0.389	0.402	0.401	0.459	0.516	0.469
11/17/2023@05:00:00.000 PM	0.375	0.374	0.428	0.459	0.516	0.469
11/17/2023@05:10:00.000 PM	0.215	0.241	0.23	0.459	0.516	0.469
11/17/2023@05:20:00.000 PM	0.203	0.23	0.214	0.459	0.516	0.469
11/17/2023@05:30:00.000 PM	0.44	0.539	0.494	0.459	0.516	0.469
11/17/2023@05:40:00.000 PM	0.382	0.403	0.372	0.459	0.516	0.469
11/17/2023@05:50:00.000 PM	0.428	0.465	0.423	0.459	0.516	0.469
11/17/2023@06:00:00.000 PM	0.234	0.254	0.269	0.363	0.399	0.392
11/17/2023@06:10:00.000 PM	0.184	0.192	0.192	0.363	0.399	0.392
11/17/2023@06:20:00.000 PM	0.245	0.266	0.247	0.363	0.399	0.392
11/17/2023@06:30:00.000 PM	0.501	0.467	0.576	0.363	0.399	0.392
11/17/2023@06:40:00.000 PM	0.428	0.411	0.422	0.363	0.399	0.392
11/17/2023@06:50:00.000 PM	0.413	0.445	0.433	0.363	0.399	0.392
11/17/2023@07:00:00.000 PM	0.142	0.156	0.161	0.363	0.399	0.392

11/17/2023@07:10:00.000 PM	0.126	0.13	0.132	0.363	0.399	0.392
11/17/2023@07:20:00.000 PM	0.43	0.409	0.444	0.363	0.399	0.392
11/17/2023@07:30:00.000 PM	0.432	0.458	0.394	0.363	0.399	0.392
11/17/2023@07:40:00.000 PM	0.487	0.455	0.507	0.363	0.399	0.392
11/17/2023@07:50:00.000 PM	0.36	0.297	0.387	0.363	0.399	0.392
11/17/2023@08:00:00.000 PM	0.146	0.173	0.162	0.374	0.364	0.391
11/17/2023@08:10:00.000 PM	0.224	0.291	0.243	0.374	0.364	0.391
11/17/2023@08:20:00.000 PM	0.55	0.51	0.617	0.374	0.364	0.391
11/17/2023@08:30:00.000 PM	0.441	0.427	0.462	0.374	0.364	0.391
11/17/2023@08:40:00.000 PM	0.394	0.415	0.393	0.374	0.364	0.391
11/17/2023@08:50:00.000 PM	0.414	0.38	0.43	0.374	0.364	0.391
11/17/2023@09:00:00.000 PM	0.216	0.199	0.206	0.374	0.364	0.391
11/17/2023@09:10:00.000 PM	0.128	0.125	0.14	0.374	0.364	0.391
11/17/2023@09:20:00.000 PM	0.121	0.134	0.126	0.374	0.364	0.391
11/17/2023@09:30:00.000 PM	0.108	0.125	0.12	0.374	0.364	0.391
11/17/2023@09:40:00.000 PM	0.559	0.549	0.603	0.374	0.364	0.391

11/17/2023@09:50:00.000 PM	0.111	0.117	0.114	0.374	0.364	0.391
11/17/2023@10:00:00.000 PM	0.111	0.119	0.114	0.366	0.357	0.392
11/17/2023@10:10:00.000 PM	0.186	0.217	0.191	0.366	0.357	0.392
11/17/2023@10:20:00.000 PM	0.17	0.198	0.173	0.366	0.357	0.392
11/17/2023@10:30:00.000 PM	0.153	0.129	0.198	0.366	0.357	0.392
11/17/2023@10:40:00.000 PM	0.154	0.176	0.158	0.366	0.357	0.392
11/17/2023@10:50:00.000 PM	0.18	0.209	0.184	0.366	0.357	0.392
11/17/2023@11:00:00.000 PM	0.439	0.466	0.449	0.366	0.357	0.392
11/17/2023@11:10:00.000 PM	0.481	0.521	0.461	0.366	0.357	0.392
11/17/2023@11:20:00.000 PM	0.42	0.456	0.46	0.366	0.357	0.392
11/17/2023@11:30:00.000 PM	0.237	0.285	0.244	0.366	0.357	0.392
11/17/2023@11:40:00.000 PM	0.214	0.252	0.226	0.366	0.357	0.392
11/17/2023@11:50:00.000 PM	0.512	0.603	0.607	0.366	0.357	0.392
11/18/2023@12:00:00.000 AM	0.373	0.427	0.404	0.348	0.389	0.375
11/18/2023@12:10:00.000 AM	0.458	0.524	0.511	0.348	0.389	0.375
11/18/2023@12:20:00.000 AM	0.402	0.387	0.45	0.348	0.389	0.375

11/18/2023@12:30:00.000 AM	0.333	0.313	0.366	0.348	0.389	0.375
11/18/2023@12:40:00.000 AM	0.182	0.211	0.189	0.348	0.389	0.375
11/18/2023@12:50:00.000 AM	0.286	0.289	0.265	0.348	0.389	0.375
11/18/2023@01:00:00.000 AM	0.563	0.61	0.586	0.348	0.389	0.375
11/18/2023@01:10:00.000 AM	0.516	0.523	0.492	0.348	0.389	0.375
11/18/2023@01:20:00.000 AM	0.524	0.569	0.531	0.348	0.389	0.375
11/18/2023@01:30:00.000 AM	0.183	0.2	0.198	0.348	0.389	0.375
11/18/2023@01:40:00.000 AM	0.11	0.118	0.119	0.348	0.389	0.375
11/18/2023@01:50:00.000 AM	0.49	0.461	0.578	0.348	0.389	0.375
11/18/2023@02:00:00.000 AM	0.344	0.364	0.362	0.414	0.433	0.44
11/18/2023@02:10:00.000 AM	0.562	0.661	0.583	0.414	0.433	0.44
11/18/2023@02:20:00.000 AM	0.259	0.326	0.271	0.414	0.433	0.44
11/18/2023@02:30:00.000 AM	0.152	0.157	0.173	0.414	0.433	0.44
11/18/2023@02:40:00.000 AM	0.397	0.445	0.506	0.414	0.433	0.44
11/18/2023@02:50:00.000 AM	0.414	0.463	0.42	0.414	0.433	0.44
11/18/2023@03:00:00.000 AM	0.58	0.542	0.594	0.414	0.433	0.44

11/18/2023@03:10:00.000 AM	0.335	0.438	0.359	0.414	0.433	0.44
11/18/2023@03:20:00.000 AM	0.138	0.151	0.148	0.414	0.433	0.44
11/18/2023@03:30:00.000 AM	0.146	0.221	0.148	0.414	0.433	0.44
11/18/2023@03:40:00.000 AM	0.568	0.688	0.597	0.414	0.433	0.44
11/18/2023@03:50:00.000 AM	0.446	0.515	0.508	0.414	0.433	0.44
11/18/2023@04:00:00.000 AM	0.5	0.488	0.522	0.432	0.483	0.461
11/18/2023@04:10:00.000 AM	0.206	0.209	0.241	0.432	0.483	0.461
11/18/2023@04:20:00.000 AM	0.145	0.159	0.169	0.432	0.483	0.461
11/18/2023@04:30:00.000 AM	0.543	0.573	0.561	0.432	0.483	0.461
11/18/2023@04:40:00.000 AM	0.398	0.448	0.391	0.432	0.483	0.461
11/18/2023@04:50:00.000 AM	0.445	0.499	0.421	0.432	0.483	0.461
11/18/2023@05:00:00.000 AM	0.363	0.444	0.401	0.432	0.483	0.461
11/18/2023@05:10:00.000 AM	0.155	0.163	0.175	0.432	0.483	0.461
11/18/2023@05:20:00.000 AM	0.108	0.111	0.113	0.432	0.483	0.461
11/18/2023@05:30:00.000 AM	0.501	0.581	0.551	0.432	0.483	0.461
11/18/2023@05:40:00.000 AM	0.399	0.415	0.483	0.432	0.483	0.461

11/18/2023@05:50:00.000 AM	0.541	0.603	0.56	0.432	0.483	0.461
11/18/2023@06:00:00.000 AM	0.46	0.482	0.42	0.409	0.452	0.427
11/18/2023@06:10:00.000 AM	0.167	0.172	0.188	0.409	0.452	0.427
11/18/2023@06:20:00.000 AM	0.116	0.12	0.126	0.409	0.452	0.427
11/18/2023@06:30:00.000 AM	0.524	0.631	0.52	0.409	0.452	0.427
11/18/2023@06:40:00.000 AM	0.502	1.082	0.438	0.409	0.452	0.427
11/18/2023@06:50:00.000 AM	0.494	0.483	0.564	0.409	0.452	0.427
11/18/2023@07:00:00.000 AM	0.334	0.34	0.39	0.409	0.452	0.427
11/18/2023@07:10:00.000 AM	0.164	0.184	0.179	0.409	0.452	0.427
11/18/2023@07:20:00.000 AM	0.162	0.215	0.171	0.409	0.452	0.427
11/18/2023@07:30:00.000 AM	0.513	0.467	0.483	0.409	0.452	0.427
11/18/2023@07:40:00.000 AM	0.463	0.522	0.467	0.409	0.452	0.427
11/18/2023@07:50:00.000 AM	0.562	0.598	0.57	0.409	0.452	0.427
11/18/2023@08:00:00.000 AM	0.19	0.2	0.171	0.416	0.565	0.42
11/18/2023@08:10:00.000 AM	0.144	0.182	0.14	0.416	0.565	0.42
11/18/2023@08:20:00.000 AM	0.223	0.296	0.308	0.416	0.565	0.42

11/18/2023@08:30:00.000 AM	0.466	0.591	0.565	0.416	0.565	0.42
11/18/2023@08:40:00.000 AM	0.389	0.405	0.424	0.416	0.565	0.42
11/18/2023@08:50:00.000 AM	0.534	0.497	0.542	0.416	0.565	0.42
11/18/2023@09:00:00.000 AM	0.164	0.181	0.166	0.416	0.565	0.42
11/18/2023@09:10:00.000 AM	0.167	0.163	0.195	0.416	0.565	0.42
11/18/2023@09:20:00.000 AM	0.655	0.31	0.361	0.416	0.565	0.42
11/18/2023@09:30:00.000 AM	0.497	0.619	0.513	0.416	0.565	0.42
11/18/2023@09:40:00.000 AM	0.439	0.529	0.462	0.416	0.565	0.42
11/18/2023@09:50:00.000 AM	0.475	0.447	0.483	0.416	0.565	0.42
11/18/2023@10:00:00.000 AM	0.175	0.182	0.177	0.427	0.429	0.415
11/18/2023@10:10:00.000 AM	0.524	0.196	0.206	0.427	0.429	0.415
11/18/2023@10:20:00.000 AM	0.456	0.45	0.573	0.427	0.429	0.415
11/18/2023@10:30:00.000 AM	0.468	0.438	0.489	0.427	0.429	0.415
11/18/2023@10:40:00.000 AM	0.527	0.604	0.613	0.427	0.429	0.415
11/18/2023@10:50:00.000 AM	0.286	0.324	0.301	0.427	0.429	0.415
11/18/2023@11:00:00.000 AM	0.132	0.144	0.148	0.427	0.429	0.415

11/18/2023@11:10:00.000 AM	0.291	0.282	0.279	0.427	0.429	0.415
11/18/2023@11:20:00.000 AM	0.479	0.507	0.539	0.427	0.429	0.415
11/18/2023@11:30:00.000 AM	0.232	0.262	0.285	0.427	0.429	0.415
11/18/2023@11:40:00.000 AM	0.509	0.506	0.578	0.427	0.429	0.415
11/18/2023@11:50:00.000 AM	0.329	0.377	0.399	0.427	0.429	0.415
11/18/2023@12:00:00.000 PM	0.166	0.162	0.186	0.411	0.405	0.442
11/18/2023@12:10:00.000 PM	0.677	0.253	0.338	0.411	0.405	0.442
11/18/2023@12:20:00.000 PM	0.552	0.65	0.595	0.411	0.405	0.442
11/18/2023@12:30:00.000 PM	0.4	0.489	0.411	0.411	0.405	0.442
11/18/2023@12:40:00.000 PM	0.487	0.591	0.562	0.411	0.405	0.442
11/18/2023@12:50:00.000 PM	0.373	0.446	0.376	0.411	0.405	0.442
11/18/2023@01:00:00.000 PM	0.18	0.18	0.189	0.411	0.405	0.442
11/18/2023@01:10:00.000 PM	0.202	0.228	0.204	0.411	0.405	0.442
11/18/2023@01:20:00.000 PM	0.52	0.544	0.469	0.411	0.405	0.442
11/18/2023@01:30:00.000 PM	0.463	0.51	0.532	0.411	0.405	0.442
11/18/2023@01:40:00.000 PM	0.498	0.541	0.515	0.411	0.405	0.442

11/18/2023@01:50:00.000 PM	0.241	0.34	0.225	0.411	0.405	0.442
11/18/2023@02:00:00.000 PM	0.108	0.113	0.116	0.451	0.466	0.432
11/18/2023@02:10:00.000 PM	0.359	0.36	0.361	0.451	0.466	0.432
11/18/2023@02:20:00.000 PM	0.455	0.434	0.469	0.451	0.466	0.432
11/18/2023@02:30:00.000 PM	0.379	0.426	0.439	0.451	0.466	0.432
11/18/2023@02:40:00.000 PM	0.315	0.332	0.287	0.451	0.466	0.432
11/18/2023@02:50:00.000 PM	0.166	0.169	0.167	0.451	0.466	0.432
11/18/2023@03:00:00.000 PM	0.218	0.206	0.22	0.451	0.466	0.432
11/18/2023@03:10:00.000 PM	0.506	0.515	0.536	0.451	0.466	0.432
11/18/2023@03:20:00.000 PM	0.353	0.447	0.409	0.451	0.466	0.432
11/18/2023@03:30:00.000 PM	0.425	0.471	0.524	0.451	0.466	0.432
11/18/2023@03:40:00.000 PM	0.194	0.218	0.195	0.451	0.466	0.432
11/18/2023@03:50:00.000 PM	0.222	0.249	0.225	0.451	0.466	0.432
11/18/2023@04:00:00.000 PM	0.209	0.238	0.212	0.351	0.373	0.382
11/18/2023@04:10:00.000 PM	0.526	0.564	0.555	0.351	0.373	0.382
11/18/2023@04:20:00.000 PM	0.343	0.344	0.286	0.351	0.373	0.382

11/18/2023@04:30:00.000 PM	0.474	0.567	0.572	0.351	0.373	0.382
11/18/2023@04:40:00.000 PM	0.36	0.338	0.43	0.351	0.373	0.382
11/18/2023@04:50:00.000 PM	0.117	0.132	0.124	0.351	0.373	0.382
11/18/2023@05:00:00.000 PM	0.106	0.104	0.118	0.351	0.373	0.382
11/18/2023@05:10:00.000 PM	0.454	0.512	0.426	0.351	0.373	0.382
11/18/2023@05:20:00.000 PM	0.31	0.343	0.363	0.351	0.373	0.382
11/18/2023@05:30:00.000 PM	0.457	0.464	0.514	0.351	0.373	0.382
11/18/2023@05:40:00.000 PM	0.278	0.258	0.296	0.351	0.373	0.382
11/18/2023@05:50:00.000 PM	0.173	0.2	0.178	0.351	0.373	0.382
11/18/2023@06:00:00.000 PM	0.29	0.3	0.376	0.371	0.4	0.407
11/18/2023@06:10:00.000 PM	0.374	0.446	0.434	0.371	0.4	0.407
11/18/2023@06:20:00.000 PM	0.522	0.48	0.554	0.371	0.4	0.407
11/18/2023@06:30:00.000 PM	0.455	0.363	0.424	0.371	0.4	0.407
11/18/2023@06:40:00.000 PM	0.139	0.164	0.157	0.371	0.4	0.407
11/18/2023@06:50:00.000 PM	0.142	0.157	0.137	0.371	0.4	0.407
11/18/2023@07:00:00.000 PM	0.245	0.266	0.299	0.371	0.4	0.407

11/18/2023@07:10:00.000 PM	0.409	0.413	0.501	0.371	0.4	0.407
11/18/2023@07:20:00.000 PM	0.521	0.564	0.56	0.371	0.4	0.407
11/18/2023@07:30:00.000 PM	0.341	0.393	0.385	0.371	0.4	0.407
11/18/2023@07:40:00.000 PM	0.162	0.186	0.171	0.371	0.4	0.407
11/18/2023@07:50:00.000 PM	0.197	0.23	0.203	0.371	0.4	0.407
11/18/2023@08:00:00.000 PM	0.429	0.463	0.459	0.378	0.388	0.41
11/18/2023@08:10:00.000 PM	0.434	0.474	0.502	0.378	0.388	0.41
11/18/2023@08:20:00.000 PM	0.43	0.472	0.506	0.378	0.388	0.41
11/18/2023@08:30:00.000 PM	0.187	0.218	0.191	0.378	0.388	0.41
11/18/2023@08:40:00.000 PM	0.12	0.129	0.126	0.378	0.388	0.41
11/18/2023@08:50:00.000 PM	0.387	0.455	0.467	0.378	0.388	0.41
11/18/2023@09:00:00.000 PM	0.402	0.499	0.432	0.378	0.388	0.41
11/18/2023@09:10:00.000 PM	0.445	0.487	0.49	0.378	0.388	0.41
11/18/2023@09:20:00.000 PM	0.422	0.345	0.413	0.378	0.388	0.41
11/18/2023@09:30:00.000 PM	0.128	0.143	0.144	0.378	0.388	0.41
11/18/2023@09:40:00.000 PM	0.104	0.116	0.108	0.378	0.388	0.41

11/18/2023@09:50:00.000 PM	0.322	0.303	0.344	0.378	0.388	0.41
11/18/2023@10:00:00.000 PM	0.425	0.444	0.464	0.362	0.391	0.402
11/18/2023@10:10:00.000 PM	0.472	0.501	0.46	0.362	0.391	0.402
11/18/2023@10:20:00.000 PM	0.384	0.359	0.413	0.362	0.391	0.402
11/18/2023@10:30:00.000 PM	0.206	0.231	0.218	0.362	0.391	0.402
11/18/2023@10:40:00.000 PM	0.191	0.22	0.199	0.362	0.391	0.402
11/18/2023@10:50:00.000 PM	0.504	0.525	0.516	0.362	0.391	0.402
11/18/2023@11:00:00.000 PM	0.322	0.37	0.406	0.362	0.391	0.402
11/18/2023@11:10:00.000 PM	0.441	0.544	0.542	0.362	0.391	0.402
11/18/2023@11:20:00.000 PM	0.261	0.279	0.265	0.362	0.391	0.402
11/18/2023@11:30:00.000 PM	0.228	0.247	0.262	0.362	0.391	0.402
11/18/2023@11:40:00.000 PM	0.194	0.22	0.202	0.362	0.391	0.402
11/18/2023@11:50:00.000 PM	0.3	0.28	0.273	0.362	0.391	0.402
11/19/2023@12:00:00.000 AM	0.349	0.368	0.343	0.354	0.382	0.379
11/19/2023@12:10:00.000 AM	0.19	0.226	0.204	0.354	0.382	0.379
11/19/2023@12:20:00.000 AM	0.213	0.245	0.215	0.354	0.382	0.379

11/19/2023@12:30:00.000 AM	0.216	0.25	0.221	0.354	0.382	0.379
11/19/2023@12:40:00.000 AM	0.214	0.245	0.229	0.354	0.382	0.379
11/19/2023@12:50:00.000 AM	0.521	0.58	0.482	0.354	0.382	0.379
11/19/2023@01:00:00.000 AM	0.641	0.669	0.716	0.354	0.382	0.379
11/19/2023@01:10:00.000 AM	0.573	0.598	0.666	0.354	0.382	0.379
11/19/2023@01:20:00.000 AM	0.261	0.306	0.291	0.354	0.382	0.379
11/19/2023@01:30:00.000 AM	0.208	0.247	0.227	0.354	0.382	0.379
11/19/2023@01:40:00.000 AM	0.523	0.616	0.596	0.354	0.382	0.379
11/19/2023@01:50:00.000 AM	0.45	0.453	0.504	0.354	0.382	0.379
11/19/2023@02:00:00.000 AM	0.508	0.598	0.597	0.44	0.483	0.489
11/19/2023@02:10:00.000 AM	0.162	0.185	0.168	0.44	0.483	0.489
11/19/2023@02:20:00.000 AM	0.208	0.235	0.211	0.44	0.483	0.489
11/19/2023@02:30:00.000 AM	0.463	0.423	0.509	0.44	0.483	0.489
11/19/2023@02:40:00.000 AM	0.226	0.255	0.235	0.44	0.483	0.489
11/19/2023@02:50:00.000 AM	0.173	0.193	0.176	0.44	0.483	0.489
11/19/2023@03:00:00.000 AM	0.482	0.492	0.509	0.44	0.483	0.489

11/19/2023@03:10:00.000 AM	0.369	0.403	0.382	0.44	0.483	0.489
11/19/2023@03:20:00.000 AM	0.547	0.562	0.577	0.44	0.483	0.489
11/19/2023@03:30:00.000 AM	0.495	0.496	0.542	0.44	0.483	0.489
11/19/2023@03:40:00.000 AM	0.24	0.26	0.245	0.44	0.483	0.489
11/19/2023@03:50:00.000 AM	0.251	0.267	0.267	0.44	0.483	0.489
11/19/2023@04:00:00.000 AM	0.402	0.424	0.429	0.382	0.391	0.408
11/19/2023@04:10:00.000 AM	0.496	0.551	0.587	0.382	0.391	0.408
11/19/2023@04:20:00.000 AM	0.557	0.619	0.653	0.382	0.391	0.408
11/19/2023@04:30:00.000 AM	0.431	0.506	0.474	0.382	0.391	0.408
11/19/2023@04:40:00.000 AM	0.209	0.237	0.223	0.382	0.391	0.408
11/19/2023@04:50:00.000 AM	0.218	0.245	0.215	0.382	0.391	0.408
11/19/2023@05:00:00.000 AM	0.51	0.471	0.54	0.382	0.391	0.408
11/19/2023@05:10:00.000 AM	0.39	0.384	0.403	0.382	0.391	0.408
11/19/2023@05:20:00.000 AM	0.457	0.53	0.586	0.382	0.391	0.408
11/19/2023@05:30:00.000 AM	0.234	0.285	0.301	0.382	0.391	0.408
11/19/2023@05:40:00.000 AM	0.129	0.15	0.142	0.382	0.391	0.408

11/19/2023@05:50:00.000 AM	0.565	0.602	0.535	0.382	0.391	0.408
11/19/2023@06:00:00.000 AM	0.428	0.501	0.426	0.43	0.47	0.476
11/19/2023@06:10:00.000 AM	0.492	0.544	0.532	0.43	0.47	0.476
11/19/2023@06:20:00.000 AM	0.293	0.362	0.336	0.43	0.47	0.476
11/19/2023@06:30:00.000 AM	0.161	0.18	0.177	0.43	0.47	0.476
11/19/2023@06:40:00.000 AM	0.282	0.325	0.302	0.43	0.47	0.476
11/19/2023@06:50:00.000 AM	0.497	0.56	0.569	0.43	0.47	0.476
11/19/2023@07:00:00.000 AM	0.258	0.317	0.371	0.43	0.47	0.476
11/19/2023@07:10:00.000 AM	0.322	0.299	0.307	0.43	0.47	0.476
11/19/2023@07:20:00.000 AM	0.521	0.533	0.496	0.43	0.47	0.476
11/19/2023@07:30:00.000 AM	0.164	0.18	0.161	0.43	0.47	0.476
11/19/2023@07:40:00.000 AM	0.112	0.121	0.116	0.43	0.47	0.476
11/19/2023@07:50:00.000 AM	0.447	0.49	0.51	0.43	0.47	0.476
11/19/2023@08:00:00.000 AM	0.412	0.386	0.427	0.378	0.408	0.41
11/19/2023@08:10:00.000 AM	0.52	0.527	0.553	0.378	0.408	0.41
11/19/2023@08:20:00.000 AM	0.317	0.344	0.24	0.378	0.408	0.41

11/19/2023@08:30:00.000 AM	0.188	0.204	0.206	0.378	0.408	0.41
11/19/2023@08:40:00.000 AM	0.181	0.18	0.162	0.378	0.408	0.41
11/19/2023@08:50:00.000 AM	0.485	0.546	0.452	0.378	0.408	0.41
11/19/2023@09:00:00.000 AM	0.386	0.44	0.434	0.378	0.408	0.41
11/19/2023@09:10:00.000 AM	0.539	0.565	0.55	0.378	0.408	0.41
11/19/2023@09:20:00.000 AM	0.294	0.331	0.24	0.378	0.408	0.41
11/19/2023@09:30:00.000 AM	0.141	0.142	0.146	0.378	0.408	0.41
11/19/2023@09:40:00.000 AM	0.399	0.446	0.701	0.378	0.408	0.41
11/19/2023@09:50:00.000 AM	0.488	0.481	0.508	0.378	0.408	0.41
11/19/2023@10:00:00.000 AM	0.421	0.488	0.453	0.405	0.435	0.454
11/19/2023@10:10:00.000 AM	0.398	0.431	0.402	0.405	0.435	0.454
11/19/2023@10:20:00.000 AM	0.19	0.189	0.203	0.405	0.435	0.454
11/19/2023@10:30:00.000 AM	0.13	0.133	0.136	0.405	0.435	0.454
11/19/2023@10:40:00.000 AM	0.417	0.427	0.487	0.405	0.435	0.454
11/19/2023@10:50:00.000 AM	0.813	0.823	0.821	0.405	0.435	0.454
11/19/2023@11:00:00.000 AM	0.517	0.549	0.557	0.405	0.435	0.454

11/19/2023@11:10:00.000 AM	0.43	0.488	0.5	0.405	0.435	0.454
11/19/2023@11:20:00.000 AM	0.15	0.21	0.213	0.405	0.435	0.454
11/19/2023@11:30:00.000 AM	0.152	0.157	0.162	0.405	0.435	0.454
11/19/2023@11:40:00.000 AM	0.115	0.118	0.117	0.405	0.435	0.454
11/19/2023@11:50:00.000 AM	0.559	0.518	0.561	0.405	0.435	0.454
11/19/2023@12:00:00.000 PM	0.364	0.421	0.373	0.455	0.468	0.475
11/19/2023@12:10:00.000 PM	0.467	0.48	0.517	0.455	0.468	0.475
11/19/2023@12:20:00.000 PM	0.433	0.425	0.434	0.455	0.468	0.475
11/19/2023@12:30:00.000 PM	0.153	0.165	0.172	0.455	0.468	0.475
11/19/2023@12:40:00.000 PM	0.14	0.166	0.148	0.455	0.468	0.475
11/19/2023@12:50:00.000 PM	0.096	0.104	0.099	0.455	0.468	0.475
11/19/2023@01:00:00.000 PM	0.203	0.239	0.21	0.455	0.468	0.475
11/19/2023@01:10:00.000 PM	0.169	0.198	0.182	0.455	0.468	0.475
11/19/2023@01:20:00.000 PM	0.204	0.239	0.212	0.455	0.468	0.475
11/19/2023@01:30:00.000 PM	0.209	0.244	0.214	0.455	0.468	0.475
11/19/2023@01:40:00.000 PM	0.169	0.202	0.179	0.455	0.468	0.475

11/19/2023@01:50:00.000 PM	0.157	0.176	0.162	0.455	0.468	0.475
11/19/2023@02:00:00.000 PM	0.164	0.188	0.187	0.269	0.282	0.286

Cap. 6. Nesimetrii de tensiune si de curent electric

Nesimetrii în Tensiune și Curent Electric

Nesimetrii de Tensiune:

Nesimetriile de tensiune se manifestă atunci când tensiunea între diferitele faze ale unui sistem de curent alternativ nu este uniform distribuită. Aceste dezechilibre pot fi cauzate de defecțiuni în infrastructura de rețea, probleme cu echipamentele sau conexiuni defectuoase.

Efectele pot include încălzirea neuniformă a echipamentelor, scăderea eficienței energetice și, în cazuri extreme, deteriorarea echipamentelor electrice.

Nesimetrii de Curent Electric:

Aceste nesimetrii se referă la discrepanțele de curent între fazele unui sistem electric. Într-un sistem trifazat, curentul poate fi distribuit inegal între cele trei faze.

Cauzele pot include sarcini inegale, defecțiuni ale echipamentelor sau dezechilibre în alimentarea cu energie. Aceste diferențe pot afecta performanța echipamentelor și pot conduce la pierderi de energie.

Consecințele Nesimetriilor:

Atât nesimetriile de tensiune, cât și cele de curent pot cauza pierderi de energie, performanță redusă a echipamentelor și pot afecta siguranța și stabilitatea sistemului electric.

Metode de Corectare:

Corectarea acestor dezechilibre implică echilibrarea sarcinilor, efectuarea întreținerii regulate a echipamentelor și utilizarea tehnologiilor pentru ajustarea factorului de putere sau echilibrarea tensiunii și curentului între faze.

Instrumente pentru Monitorizare:

Diverse instrumente de măsurare, precum analizatoarele de rețea și dispozitivele trifazate, sunt utilizate pentru a identifica și evalua nesimetriile, ajutând la detectarea problemelor și implementarea soluțiilor adecvate.

timestamp	V ZeroSeqMag	V ZeroSeqPhs	V PosSeqMag	V PosSeqPhs	V NegSeqMag	V NegSeqPhs	I ZeroSeqMag	I ZeroSeqPhs	I PosSeqMag	I PosSeqPhs
11/12/2023@03:30:00.000 PM	83.591	-66.132	68970.102	-0.093	186.915	99.823	0.44	-42.051	19.197	-12.67

11/12/2023@03:40:00.000 PM	91.039	-73.34	68959.688	-0.061	197.206	126.13	0.435	-39.975	19.131	-12.081
11/12/2023@03:50:00.000 PM	89.271	-69.23	69185.148	-0.047	140.901	100.913	0.408	-41.098	18.396	-12.422
11/12/2023@04:00:00.000 PM	86.293	-60.303	69127.445	-0.092	191.398	102.219	0.431	-42.546	19.158	-13.821
11/12/2023@04:10:00.000 PM	89.271	-68.873	69114.586	-0.074	173.213	101.848	0.435	-41.706	19.715	-13.917
11/12/2023@04:20:00.000 PM	93.73	-68.487	69387.656	-0.053	157.643	106.516	0.422	-40.635	19.234	-13.764
11/12/2023@04:30:00.000 PM	98.247	-67.105	69335.57	-0.112	226.347	99.415	0.413	-38.815	19.394	-12.671
11/12/2023@04:40:00.000 PM	93.73	-68.293	69441.281	-0.089	225.189	120.104	0.431	-38.694	19.693	-14.024
11/12/2023@04:50:00.000 PM	96.148	-64.049	69216.633	-0.065	185.271	118.44	0.431	-40.079	20.111	-14.001
11/12/2023@05:00:00.000 PM	85.849	-67.053	69285	-0.04	140.674	117.004	0.415	-38.126	19.983	-13.73
11/12/2023@05:10:00.000 PM	89.271	-68.103	69451.289	-0.099	221.507	114.761	0.419	-38.027	19.826	-13.716
11/12/2023@05:20:00.000 PM	89.271	-69.074	69408.719	-0.096	249.575	126.63	0.419	-35.894	20.154	-14.325
11/12/2023@05:30:00.000 PM	114.322	-71.561	69053.43	-0.045	190.463	122.311	0.413	-33.221	19.899	-13.052
11/12/2023@05:40:00.000 PM	107.422	-63.904	69259.258	-0.046	162.62	111.868	0.386	-32.807	19.225	-12.68
11/12/2023@05:50:00.000 PM	97.137	-70.273	69022.031	-0.098	224.849	112.053	0.38	-30.556	19.148	-12.101
11/12/2023@06:00:00.000 PM	98.764	-73.044	68981.32	-0.09	240.07	123.375	0.397	-29.964	19.754	-11.983
11/12/2023@06:10:00.000 PM	94.879	-65.325	69095.008	-0.087	237.722	126.586	0.419	-31.003	20.867	-13.413

11/12/2023@06:20:00.000 PM	94.879	-67.447	68964.211	-0.116	316.114	134.311	0.425	-29.816	21.118	-13.395
11/12/2023@06:30:00.000 PM	85.849	-70.727	69125.609	-0.1	264.338	130.421	0.399	-29.309	19.927	-12.679
11/12/2023@06:40:00.000 PM	91.039	-73.469	69226.078	-0.134	301.307	124.769	0.403	-29.108	20.438	-12.993
11/12/2023@06:50:00.000 PM	80.244	-67.306	69070.008	-0.101	263.371	131.681	0.4	-28.98	20.59	-13.553
11/12/2023@07:00:00.000 PM	84.047	-72.034	68921.805	-0.077	217.938	127.598	0.412	-28.334	21.022	-14.111
11/12/2023@07:10:00.000 PM	83.591	-66.543	69054.773	-0.099	236.997	123.636	0.434	-30.203	21.911	-14.826
11/12/2023@07:20:00.000 PM	92.704	-71.845	68830.688	-0.065	222.34	123.943	0.437	-28.918	22.223	-14.624
11/12/2023@07:30:00.000 PM	86.293	-62.476	68808.531	-0.073	206.399	128.687	0.434	-29.176	21.913	-14.496
11/12/2023@07:40:00.000 PM	91.806	-69.942	68664.227	-0.067	217.117	130.069	0.457	-29.464	22.562	-14.367
11/12/2023@07:50:00.000 PM	84.878	-70.126	68571.117	-0.088	253.303	133.393	0.445	-27.683	22.333	-13.494
11/12/2023@08:00:00.000 PM	91.806	-72.081	68502.18	-0.082	248.269	132.157	0.441	-28.999	22.707	-14.257
11/12/2023@08:10:00.000 PM	87.54	-73.401	68728.078	-0.068	210.043	127.844	0.429	-27.248	22.032	-13.884
11/12/2023@08:20:00.000 PM	92.704	-70.642	68348.156	-0.203	662.771	150.108	0.461	-26.78	22.129	-12.311
11/12/2023@08:30:00.000 PM	91.039	-72.893	68591.617	-0.104	282.186	132.076	0.434	-27.082	22.433	-13.557
11/12/2023@08:40:00.000 PM	92.704	-69.979	68546.82	-0.042	201.997	138.004	0.427	-25.125	21.895	-13.258
11/12/2023@08:50:00.000 PM	94.543	-74.529	68689.477	-0.098	328.4	140.651	0.426	-25.4	21.255	-13.409

11/12/2023@09:00:00.000 PM	82.439	-66.313	68582.477	-0.112	441.759	150.298	0.42	-24.147	20.751	-13.103
11/12/2023@09:10:00.000 PM	86.955	-67.701	68919.93	-0.068	239.991	138.133	0.41	-25.838	21.287	-13.325
11/12/2023@09:20:00.000 PM	82.207	-81.52	68675.867	0.001	204.506	157.393	0.426	-25.911	21.787	-14.07
11/12/2023@09:30:00.000 PM	90.336	-67.646	68853.531	-0.006	179.432	149.37	0.422	-25.82	21.552	-13.485
11/12/2023@09:40:00.000 PM	86.367	-79.834	68626.719	-0.003	254.633	159.792	0.417	-26.087	21.467	-13.686
11/12/2023@09:50:00.000 PM	94.543	-75.06	68856.172	-0.065	343.71	150.57	0.425	-26.48	21.498	-13.896
11/12/2023@10:00:00.000 PM	102.813	-66.846	68847.328	-0.027	191.963	138.711	0.416	-26.94	21.486	-13.527
11/12/2023@10:10:00.000 PM	101.628	-69.157	69275.344	-0.034	204.662	138.14	0.407	-27.239	20.976	-13.983
11/12/2023@10:20:00.000 PM	91.039	-73.356	69103.688	-0.054	281.439	147.684	0.417	-27.088	21.437	-13.877
11/12/2023@10:30:00.000 PM	91.806	-72.632	69374.68	-0.056	200.762	130.768	0.408	-28.433	21.061	-14.32
11/12/2023@10:40:00.000 PM	92.704	-69.649	69366.289	-0.06	260.671	139.881	0.407	-27.893	21.148	-14.39
11/12/2023@10:50:00.000 PM	84.878	-70.806	69375.672	-0.086	280.373	139.274	0.416	-28.781	21.259	-14.643
11/12/2023@11:00:00.000 PM	84.047	-72.444	69454.445	-0.086	257.991	134.171	0.414	-28.643	21.278	-14.743
11/12/2023@11:10:00.000 PM	92.704	-71.25	69610.703	-0.088	253.755	130.683	0.42	-28.542	21.235	-14.707
11/12/2023@11:20:00.000 PM	87.54	-72.171	69604.703	-0.037	226.431	145.222	0.406	-28.293	20.72	-14.024
11/12/2023@11:30:00.000 PM	91.806	-72.385	69497.484	-0.051	237.829	140.38	0.402	-28.722	20.546	-13.718

11/12/2023@11:40:00.000 PM	95.282	-72.733	69467.297	-0.154	336.871	124.954	0.405	-30.373	20.718	-14.037
11/12/2023@11:50:00.000 PM	91.806	-71.79	69602.469	-0.04	249.958	146.809	0.393	-27.802	20.256	-13.735
11/13/2023@12:00:00.000 AM	88.337	-72.47	69288.914	0.029	190.864	164.672	0.42	-28.953	21.065	-13.816
11/13/2023@12:10:00.000 AM	79.044	-66.449	69435.594	-0.071	418.504	157.949	0.436	-27.791	21.079	-14.482
11/13/2023@12:20:00.000 AM	92.704	-70.452	69271.234	0.048	408.794	164.433	0.431	-27.426	21.103	-14.058
11/13/2023@12:30:00.000 AM	90.336	-65.976	69733.922	-0.033	197.529	142.052	0.425	-29.245	21.332	-14.813
11/13/2023@12:40:00.000 AM	88.193	-61.863	69626.789	-0.102	347.088	147.242	0.436	-29.279	21.358	-14.521
11/13/2023@12:50:00.000 AM	94.543	-75.276	69687.898	-0.064	257.744	138.914	0.425	-30.456	21.408	-15.039
11/13/2023@01:00:00.000 AM	92.704	-70.135	69718	-0.031	256.628	150.956	0.413	-29.452	20.819	-14.349
11/13/2023@01:10:00.000 AM	96.148	-71.558	69867.367	-0.016	166.953	139.365	0.378	-29.48	19.438	-14.408
11/13/2023@01:20:00.000 AM	89.271	-68.015	69698.922	-0.034	252.546	150.439	0.383	-29.185	19.366	-13.936
11/13/2023@01:30:00.000 AM	86.367	-77.629	69873.203	-0.093	376.498	148.213	0.401	-29.816	19.787	-14.586
11/13/2023@01:40:00.000 AM	86.882	-77.287	69644.414	-0.081	364.522	149.756	0.436	-30.857	21.523	-15.29
11/13/2023@01:50:00.000 AM	107.659	-79.837	69957.07	-0.026	230.45	143.062	0.385	-27.72	21.269	-15.039
11/13/2023@02:00:00.000 AM	95.282	-71.547	70289.219	-0.028	202.249	141.28	0.428	-33.226	21.17	-15.628
11/13/2023@02:10:00.000 AM	92.704	-70.169	70109.906	-0.06	213.056	131.202	0.41	-32.212	20.693	-15.581

11/13/2023@02:20:00.000 AM	97.137	-68.135	70129.883	-0.103	277.332	128.507	0.405	-32.625	20.214	-15.075
11/13/2023@02:30:00.000 AM	89.271	-70.324	70153.125	-0.092	248.654	127.765	0.428	-33.711	21.629	-15.319
11/13/2023@02:40:00.000 AM	84.878	-72.401	70009.445	-0.079	189.759	111.738	0.421	-31.719	21.4	-14.901
11/13/2023@02:50:00.000 AM	91.806	-72.684	70165.273	-0.06	200.094	127.733	0.42	-32.221	21.29	-15.002
11/13/2023@03:00:00.000 AM	87.54	-73.521	70515.766	-0.1	239.672	121.062	0.431	-33.845	21.622	-16.272
11/13/2023@03:10:00.000 AM	80.562	-74.304	70523.258	-0.088	228.784	125.439	0.428	-34.233	21.507	-16.606
11/13/2023@03:20:00.000 AM	91.806	-72.553	70389.016	-0.067	193.287	117.847	0.43	-33.75	21.609	-16.062
11/13/2023@03:30:00.000 AM	91.039	-74.11	70311.305	0.015	133.704	147.931	0.435	-33.182	21.939	-15.742
11/13/2023@03:40:00.000 AM	90.406	-75.889	70487.719	-0.09	264.338	132.511	0.428	-35.974	21.29	-17.379
11/13/2023@03:50:00.000 AM	77.084	-72.986	70380.258	-0.11	293.069	134.865	0.415	-35.402	20.854	-16.655
11/13/2023@04:00:00.000 AM	83.362	-73.367	70413.68	-0.096	266.572	132.853	0.439	-35.083	21.64	-17.096
11/13/2023@04:10:00.000 AM	89.911	-79.224	70533.234	-0.059	204.256	128.304	0.442	-34.7	21.899	-16.771
11/13/2023@04:20:00.000 AM	87.54	-71.962	70575.266	-0.105	244.335	120.851	0.42	-34.401	20.962	-16.258
11/13/2023@04:30:00.000 AM	86.367	-76.841	70382.367	-0.022	152.253	132.664	0.402	-33.249	20.591	-16.026
11/13/2023@04:40:00.000 AM	88.337	-70.524	70435.625	-0.082	231.747	127.234	0.404	-33.909	20.26	-16.246
11/13/2023@04:50:00.000 AM	91.039	-72.136	70458.297	-0.081	218.872	122.634	0.422	-34.902	21.057	-16.887

11/13/2023@05:00:00.000 AM	91.039	-73.993	70535.148	-0.089	223.569	119.287	0.423	-34.187	21.097	-16.251
11/13/2023@05:10:00.000 AM	86.882	-77.31	70468.789	-0.107	249.141	119.738	0.368	-61.881	19.132	-43.604
11/13/2023@05:20:00.000 AM	86.882	-73.962	70295.625	-0.081	263.032	136.017	0.37	-32.559	18.725	-15.954
11/13/2023@05:30:00.000 AM	87.54	-73.161	70279.289	-0.099	308.086	138.344	0.402	-31.036	20.111	-15.34
11/13/2023@05:40:00.000 AM	87.54	-72.5	70413.188	-0.076	227.891	129.207	0.419	-34.289	20.783	-16.141
11/13/2023@05:50:00.000 AM	90.406	-76.54	70418.086	-0.12	345.928	137.607	0.427	-32.947	21.011	-15.341
11/13/2023@06:00:00.000 AM	91.039	-74.767	70429.086	-0.075	265.133	137.54	0.434	-33.9	21.33	-16.852
11/13/2023@06:10:00.000 AM	88.337	-71.148	70312.961	-0.15	362.558	132.656	0.449	-35.013	21.693	-17.397
11/13/2023@06:20:00.000 AM	82.825	-75.842	70279.008	-0.158	362.083	131.104	0.454	-34.196	22.022	-17.192
11/13/2023@06:30:00.000 AM	86.882	-76.441	70432	-0.059	174.423	116.05	0.437	-33.845	22.001	-16.505
11/13/2023@06:40:00.000 AM	84.047	-72.034	70382.641	-0.085	204.506	117.411	0.425	-33.705	21.432	-16.711
11/13/2023@06:50:00.000 AM	86.882	-75.233	70306.969	-0.066	186.847	118.577	0.409	-32.623	20.333	-15.504
11/13/2023@07:00:00.000 AM	87.54	-74.12	70395.344	-0.076	202.816	118.638	0.412	-33.291	20.613	-15.834
11/13/2023@07:10:00.000 AM	85.849	-69.156	70309.898	-0.084	212.607	120.984	0.395	-31.888	19.913	-14.736
11/13/2023@07:20:00.000 AM	77.084	-73.087	70303.602	-0.135	269.899	118.129	0.434	-33.128	21.208	-15.874
11/13/2023@07:30:00.000 AM	84.047	-72.99	70279.125	-0.118	293.526	130.097	0.422	-31.691	20.437	-15.457

11/13/2023@07:40:00.000 AM	84.047	-70.971	70306.875	-0.127	353.53	138.29	0.418	-31.357	20.164	-15.031
11/13/2023@07:50:00.000 AM	84.047	-74.183	70279.023	-0.101	297.945	136.944	0.423	-32.101	20.449	-15.642
11/13/2023@08:00:00.000 AM	91.039	-71.952	70493.891	-0.108	450.618	150.779	0.445	-32.616	20.907	-15.606
11/13/2023@08:10:00.000 AM	91.039	-76.33	70787.742	-0.115	255.633	116.093	0.405	-33.863	20.552	-15.865
11/13/2023@08:20:00.000 AM	86.367	-76.723	70777.289	-0.136	284.616	118.135	0.413	-34.125	20.722	-16.382
11/13/2023@08:30:00.000 AM	87.54	-73.024	70641.695	-0.166	321.652	116.744	0.406	-33.57	20.494	-15.752
11/13/2023@08:40:00.000 AM	98.052	-75.101	70525.07	-0.128	304.36	124.154	0.416	-33.983	20.873	-16.773
11/13/2023@08:50:00.000 AM	97.465	-75.376	70577	-0.13	275.533	113.096	0.379	-32.722	19.352	-15.13
11/13/2023@09:00:00.000 AM	85.997	-80.835	70660.148	-0.132	304.045	126.343	0.36	-32.913	18.519	-15.665
11/13/2023@09:10:00.000 AM	88.337	-72.909	70896.594	-0.164	325.788	118.395	0.372	-33.194	18.955	-15.619
11/13/2023@09:20:00.000 AM	91.039	-72.43	70473.414	-0.182	387.266	127.025	0.378	-32.481	18.79	-14.835
11/13/2023@09:30:00.000 AM	92.704	-70.741	69958.82	-0.162	343.71	124.467	0.368	-35.182	19.513	-12.984
11/13/2023@09:40:00.000 AM	93.934	-76.763	70416.227	-0.139	275.672	109.308	0.351	-33.961	18.638	-13.653
11/13/2023@09:50:00.000 AM	91.039	-75.96	70617.414	-0.106	391.442	145.81	0.315	-36.508	17.889	-13.974
11/13/2023@10:00:00.000 AM	102.253	-74.631	70660.344	-0.102	292.83	130.108	0.302	-43.505	17.623	-13.154
11/13/2023@10:10:00.000 AM	104.534	-79.143	70578.633	-0.11	435.875	147.066	0.316	-41.683	17.822	-12.871

11/13/2023@10:20:00.000 AM	102.253	-73.644	70092.695	-0.099	428.886	149.451	0.342	-40.57	18.934	-12.713
11/13/2023@10:30:00.000 AM	98.764	-73.048	70028.156	-0.129	389.368	139.9	0.323	-42.886	18.135	-12.467
11/13/2023@10:40:00.000 AM	94.543	-72.412	69996.234	-0.141	329.795	127.638	0.333	-43.552	18.716	-12.744
11/13/2023@10:50:00.000 AM	108.073	-78.092	69855.664	-0.128	316.054	124.595	0.315	-43.95	17.777	-11.154
11/13/2023@11:00:00.000 AM	101.565	-74.283	69955.867	-0.132	317.964	126.053	0.364	-48.133	19.377	-14.813
11/13/2023@11:10:00.000 AM	105.082	-74.494	69976.25	-0.117	291.499	124.102	0.395	-50.73	20.1	-15.921
11/13/2023@11:20:00.000 AM	106.528	-72.608	69955.531	-0.113	310.683	130.163	0.424	-50.452	21.056	-15.78
11/13/2023@11:30:00.000 AM	105.082	-74.758	69856.117	-0.165	462.074	139.508	0.442	-49.012	21.484	-15.186
11/13/2023@11:40:00.000 AM	109.246	-73.117	69893.789	-0.118	292.764	123.126	0.408	-50.285	20.183	-14.362
11/13/2023@11:50:00.000 AM	102.253	-73.68	69859.352	-0.118	288.443	123.098	0.433	-51.393	20.948	-15.837
11/13/2023@12:00:00.000 PM	106.528	-71.746	69916.516	-0.124	297.238	122.029	0.453	-51.688	21.42	-15.976
11/13/2023@12:10:00.000 PM	103.06	-71.896	69924.945	-0.151	399.454	134.643	0.468	-52.286	21.682	-15.855
11/13/2023@12:20:00.000 PM	109.246	-74.273	69951.898	-0.105	266.691	119.61	0.47	-52.835	22.192	-15.696
11/13/2023@12:30:00.000 PM	102.253	-72.047	69900.273	-0.127	293.873	122.084	0.48	-52.266	21.447	-15.174
11/13/2023@12:40:00.000 PM	103.984	-68.666	69864.023	-0.162	454.745	139.841	0.461	-50.161	20.853	-14.673
11/13/2023@12:50:00.000 PM	99.6	-69.668	69996.641	-0.138	438.049	143.149	0.433	-50.707	19.761	-13.562

11/13/2023@01:00:00.000 PM	117.783	-70.732	70058.313	-0.111	276.641	118.282	0.433	-52.259	19.809	-13.656
11/13/2023@01:10:00.000 PM	103.984	-69.479	69961.734	-0.114	317.322	131.857	0.424	-51.618	19.288	-13.395
11/13/2023@01:20:00.000 PM	101.628	-68.922	70005.195	-0.129	287.557	119.752	0.433	-53.981	19.24	-14.421
11/13/2023@01:30:00.000 PM	102.253	-70.989	70010.555	-0.149	335.734	124.12	0.473	-53.061	21.014	-15.481
11/13/2023@01:40:00.000 PM	103.984	-71.085	70150.586	-0.126	294.112	121.105	0.45	-53.702	19.872	-15.01
11/13/2023@01:50:00.000 PM	102.253	-72.858	70234.68	-0.118	263.299	114.388	0.467	-55.238	20.537	-15.854
11/13/2023@02:00:00.000 PM	100.555	-68.501	70144.172	-0.125	267.622	112.731	0.455	-54.848	19.835	-15.813
11/13/2023@02:10:00.000 PM	99.6	-70.937	70197.57	-0.111	248.68	112.96	0.452	-55.159	19.855	-15.82
11/13/2023@02:20:00.000 PM	103.06	-71.522	70205.656	-0.124	271.242	114.579	0.467	-54.525	20.461	-15.814
11/13/2023@02:30:00.000 PM	103.06	-71.359	70170.828	-0.123	292.394	121.995	0.461	-53.133	20.432	-15.063
11/13/2023@02:40:00.000 PM	103.06	-70.706	70144.539	-0.131	286.491	115.981	0.471	-54.843	20.573	-15.383
11/13/2023@02:50:00.000 PM	96.148	-69.308	70187.18	-0.127	260.964	110.758	0.448	-54.019	19.906	-14.965
11/13/2023@03:00:00.000 PM	102.253	-71.648	69385.461	-0.139	305.05	120.453	0.459	-52.837	21.008	-14.102
11/13/2023@03:10:00.000 PM	103.06	-70.439	69383.555	-0.118	277.906	121.473	0.458	-51.975	21.012	-14.042
11/13/2023@03:20:00.000 PM	106.528	-69.341	69254.234	-0.157	464.839	141.81	0.442	-51.34	19.898	-13.509
11/13/2023@03:30:00.000 PM	108.426	-69.643	69388.695	-0.127	331.376	129.211	0.403	-52.839	18.697	-12.2

11/13/2023@03:40:00.000 PM	98.247	-67.658	69374.773	-0.126	295.237	124.273	0.398	-50.579	18.923	-10.851
11/13/2023@03:50:00.000 PM	96.148	-70.078	69354.531	-0.124	318.525	130.383	0.423	-51.863	19.582	-12.299
11/13/2023@04:00:00.000 PM	107.422	-71.171	69344.617	-0.099	260.475	121.71	0.383	-51.09	18.367	-10.733
11/13/2023@04:10:00.000 PM	106.168	-63.913	69307.656	-0.122	373.694	139.3	0.384	-51.468	18.798	-13.042
11/13/2023@04:20:00.000 PM	110.868	-69.12	69401.992	-0.113	325.122	132.364	0.43	-48.205	20.075	-13.53
11/13/2023@04:30:00.000 PM	100.809	-63.215	69399.531	-0.137	324.238	128.218	0.417	-50.115	20.292	-13.878
11/13/2023@04:40:00.000 PM	98.052	-75.542	69372.453	-0.124	325.71	131.035	0.371	-42.27	19.41	-13.608
11/13/2023@04:50:00.000 PM	93.73	-66.969	69277.453	-0.129	356.1	137.165	0.394	-48.762	19.669	-13.469
11/13/2023@05:00:00.000 PM	110.868	-68.918	69197.711	-0.139	414.093	139.414	0.409	-47.331	20.591	-14.188
11/13/2023@05:10:00.000 PM	95.282	-71.784	69267.938	-0.126	363.629	138.132	0.387	-48.862	19.721	-14.321
11/13/2023@05:20:00.000 PM	94.543	-74.955	69423.422	-0.13	413.307	143.423	0.423	-46.958	21.107	-14.622
11/13/2023@05:30:00.000 PM	96.148	-71.354	69313.531	-0.117	348.481	138.326	0.397	-45.271	21.15	-14.461
11/13/2023@05:40:00.000 PM	91.806	-71.078	68958.516	-0.102	425.064	150.595	0.409	-45.219	21.003	-13.82
11/13/2023@05:50:00.000 PM	96.148	-70.912	69036.93	-0.093	349.23	144.838	0.38	-43.434	20.816	-13.763
11/13/2023@06:00:00.000 PM	98.052	-74.645	68935.688	-0.085	346.389	145.529	0.371	-41.726	20.67	-12.995
11/13/2023@06:10:00.000 PM	97.465	-76.616	68979.609	-0.074	333.543	146.809	0.358	-40.634	20.379	-12.736

11/13/2023@06:20:00.000 PM	98.052	-74.476	69010.383	-0.08	445.725	154.823	0.385	-37.9	20.676	-13.455
11/13/2023@06:30:00.000 PM	103.06	-72.183	69013.961	-0.067	387.102	152.641	0.34	-35.522	19.221	-10.62
11/13/2023@06:40:00.000 PM	109.246	-73.935	69035.242	-0.057	353.584	150.943	0.331	-36.886	18.95	-11.656
11/13/2023@06:50:00.000 PM	92.704	-70.487	69036.781	-0.059	367.379	154.639	0.332	-33.972	19.171	-10.952
11/13/2023@07:00:00.000 PM	94.543	-73.291	68791.125	-0.078	461.536	156.592	0.344	-34.64	19.74	-11.633
11/13/2023@07:10:00.000 PM	91.806	-71.107	68669.125	-0.048	435.114	160.699	0.352	-34.562	20.207	-12.159
11/13/2023@07:20:00.000 PM	96.148	-71.116	68986.461	-0.055	384.888	156.1	0.354	-33.699	20.117	-11.917
11/13/2023@07:30:00.000 PM	95.282	-72.887	68802.453	-0.037	389.237	159.759	0.36	-32.397	20.417	-12.407
11/13/2023@07:40:00.000 PM	91.806	-72.651	68933.711	-0.085	430.074	153.851	0.366	-33.105	20.664	-12.818
11/13/2023@07:50:00.000 PM	90.406	-75.976	68794.18	-0.067	402.475	155.256	0.366	-32.148	20.903	-12.461
11/13/2023@08:00:00.000 PM	91.039	-74.942	68886.383	-0.099	378.575	147.221	0.359	-30.431	20.421	-12.066
11/13/2023@08:10:00.000 PM	85.849	-68.874	69373.57	-0.093	335.164	145.605	0.406	-25.397	20.413	-12.686
11/13/2023@08:20:00.000 PM	91.806	-72.933	69334.477	-0.084	373.37	149.44	0.412	-24.434	20.507	-12.862
11/13/2023@08:30:00.000 PM	88.337	-72.431	69387.148	-0.125	463.672	149.334	0.422	-25.498	20.773	-13.367
11/13/2023@08:40:00.000 PM	91.806	-71.29	69394.445	-0.131	495.201	150.121	0.446	-28.052	21.185	-13.519
11/13/2023@08:50:00.000 PM	91.039	-74.214	69547.273	-0.093	353.584	145.625	0.426	-25.871	21.263	-13.455

11/13/2023@09:00:00.000 PM	98.764	-75.4	69575.102	-0.077	373.591	149.75	0.443	-29.062	21.861	-14.282
11/13/2023@09:10:00.000 PM	89.271	-68.798	69708.039	-0.045	316.336	154.098	0.429	-25.389	21.305	-14.287
11/13/2023@09:20:00.000 PM	90.336	-68.128	69714.148	-0.04	343.71	157.58	0.421	-25.705	20.84	-14.193
11/13/2023@09:30:00.000 PM	92.704	-69.87	69736.945	-0.025	275.047	154.778	0.419	-25.048	20.88	-14.425
11/13/2023@09:40:00.000 PM	89.271	-69.69	69945.672	-0.051	279.348	148.626	0.427	-22.492	20.699	-14.418
11/13/2023@09:50:00.000 PM	93.73	-69.727	69458.852	-0.052	367.379	156.03	0.458	-19.826	20.881	-13.73
11/13/2023@10:00:00.000 PM	89.271	-69.826	69684.203	-0.063	299.098	148.066	0.468	-21.041	21.725	-14.112
11/13/2023@10:10:00.000 PM	99.6	-71.585	69680.375	-0.064	343.71	149.67	0.463	-19.738	21.332	-13.366
11/13/2023@10:20:00.000 PM	87.54	-73.197	69597.664	-0.105	519.062	155.833	0.487	-23.28	21.738	-14.156
11/13/2023@10:30:00.000 PM	87.54	-74.148	69827.922	-0.058	354.575	154.393	0.462	-21.301	21.366	-14.048
11/13/2023@10:40:00.000 PM	85.849	-69.006	69709.078	-0.091	417.237	152.553	0.458	-21.818	21.177	-13.949
11/13/2023@10:50:00.000 PM	81.427	-72.351	69989.063	-0.076	344.821	150.389	0.344	-4.443	15.014	-1.102
11/13/2023@11:00:00.000 PM	82.439	-67.494	70002.328	-0.07	315.953	149.698	0.339	-4.322	14.76	-2.347
11/13/2023@11:10:00.000 PM	81.427	-70.147	69981.914	-0.095	383.428	150.054	0.344	-5.214	15.085	-3.219
11/13/2023@11:20:00.000 PM	84.878	-70.983	69887.648	-0.068	378.744	154.279	0.386	-14.652	17.339	-9.847
11/13/2023@11:30:00.000 PM	84.878	-63.671	69698.453	-0.057	385.071	157.866	0.416	-19.341	19.432	-12.609

11/13/2023@11:40:00.000 PM	89.271	-68.148	69968.602	-0.063	313.949	149.556	0.4	-18.831	18.743	-11.92
11/13/2023@11:50:00.000 PM	85.849	-68.253	70074.813	-0.063	310.99	149.699	0.389	-17.078	17.984	-11.883
11/14/2023@12:00:00.000 AM	85.849	-68.277	70028.992	-0.045	266.476	149.287	0.399	-22.033	18.928	-14.232
11/14/2023@12:10:00.000 AM	85.849	-67.718	70228.695	-0.081	331.376	147.302	0.427	-24.63	19.887	-16.061
11/14/2023@12:20:00.000 AM	86.367	-77.444	70350.039	-0.094	310.662	140.318	0.441	-23.921	20.853	-15.231
11/14/2023@12:30:00.000 AM	87.54	-74.589	70341.82	-0.052	251.509	144.357	0.449	-24.248	21.206	-15.154
11/14/2023@12:40:00.000 AM	91.806	-70.684	70571.391	-0.075	282.84	140.369	0.43	-23.949	20.344	-14.208
11/14/2023@12:50:00.000 AM	83.591	-67.236	70297.781	-0.067	301.074	147.836	0.419	-21.761	19.53	-13.263
11/14/2023@01:00:00.000 AM	105.082	-76.704	70383.039	-0.079	337.948	144.257	0.371	-21.228	19.265	-13.355
11/14/2023@01:10:00.000 AM	86.955	-65.164	70395.969	-0.079	307.859	145.459	0.42	-23.299	19.619	-14.106
11/14/2023@01:20:00.000 AM	81.427	-70.137	70378.68	-0.073	287.823	144.916	0.438	-24.484	20.43	-15.152
11/14/2023@01:30:00.000 AM	85.849	-66.223	70571.711	-0.055	262.134	146.367	0.438	-24.305	20.437	-14.827
11/14/2023@01:40:00.000 AM	92.704	-69.266	70611.523	-0.046	235.485	142.312	0.431	-24.815	20.586	-15.343
11/14/2023@01:50:00.000 AM	93.73	-68.615	70639.68	-0.073	288.951	141.728	0.437	-24.833	20.444	-15.217
11/14/2023@02:00:00.000 AM	88.337	-72.491	70766.477	-0.069	260.377	139.086	0.423	-25.021	20.059	-15.111
11/14/2023@02:10:00.000 AM	83.362	-74.236	70744.094	-0.078	296.293	143.613	0.347	-23.448	16.341	-16.069

11/14/2023@02:20:00.000 AM	92.704	-72.209	70541.508	-0.079	280.373	138.499	0.413	-25.793	19.392	-15.504
11/14/2023@02:30:00.000 AM	95.282	-72.184	70664.531	-0.093	300.565	137.105	0.434	-25.902	20.37	-14.492
11/14/2023@02:40:00.000 AM	88.337	-70.936	70530.945	-0.081	270.182	137.209	0.416	-24.149	19.76	-14.193
11/14/2023@02:50:00.000 AM	84.878	-68.861	70587.023	-0.063	271.594	145.148	0.397	-22.774	18.886	-13.901
11/14/2023@03:00:00.000 AM	88.337	-71.445	70702.945	-0.077	277.791	139.758	0.4	-25.373	19.246	-16.074
11/14/2023@03:10:00.000 AM	84.047	-74.878	70591.758	-0.089	287.89	138.298	0.399	-23.262	19.079	-14.004
11/14/2023@03:20:00.000 AM	91.806	-72.68	70493.195	-0.075	262.596	137.178	0.396	-23.715	19.018	-14.307
11/14/2023@03:30:00.000 AM	86.955	-67.549	70549.508	-0.092	265.709	133.169	0.408	-23.71	19.523	-14.684
11/14/2023@03:40:00.000 AM	116.313	-67.071	70487.25	-0.076	255.707	128.641	0.391	-23.29	18.69	-14.151
11/14/2023@03:50:00.000 AM	103.984	-69.418	70661.164	-0.084	267.145	131.07	0.386	-22.94	18.384	-13.438
11/14/2023@04:00:00.000 AM	86.955	-66.74	70645.969	-0.094	280.373	135.862	0.388	-22.663	18.484	-13.728
11/14/2023@04:10:00.000 AM	98.247	-67.826	70641.945	-0.093	285.599	134.415	0.411	-24.471	19.506	-14.298
11/14/2023@04:20:00.000 AM	103.984	-67.176	70694.398	-0.094	282.818	131.979	0.418	-24.698	19.895	-14.18
11/14/2023@04:30:00.000 AM	98.052	-74.573	70693.969	-0.092	291.258	135.054	0.405	-24.518	19.326	-13.888
11/14/2023@04:40:00.000 AM	88.337	-71.336	70700.898	-0.107	291.695	133.219	0.388	-23.258	18.393	-13.534
11/14/2023@04:50:00.000 AM	91.806	-71.214	70869.578	-0.09	290.469	137.643	0.395	-24.687	18.912	-14.383

11/14/2023@05:00:00.000 AM	85.849	-69.99	70860.047	-0.095	295.431	137.325	0.38	-24.504	18.163	-14.27
11/14/2023@05:10:00.000 AM	94.543	-75.399	70817.875	-0.098	281.643	131.529	0.384	-25.371	18.429	-14.771
11/14/2023@05:20:00.000 AM	81.427	-70.606	70895.086	-0.094	273.116	134.864	0.396	-25.705	18.956	-15.078
11/14/2023@05:30:00.000 AM	88.337	-72.371	70978.117	-0.092	282.976	135.545	0.405	-26.182	19.282	-15.232
11/14/2023@05:40:00.000 AM	89.911	-77.124	71006.258	-0.084	300.565	140.771	0.4	-26.811	19.018	-15.699
11/14/2023@05:50:00.000 AM	82.825	-75.786	71011.617	-0.088	297.988	140.329	0.399	-26.098	18.934	-15.597
11/14/2023@06:00:00.000 AM	91.039	-74.147	71029.977	-0.056	247.652	140.757	0.406	-24.477	19.217	-14.632
11/14/2023@06:10:00.000 AM	91.039	-74.372	70875.031	-0.087	285.331	137.443	0.397	-24.67	18.686	-15.156
11/14/2023@06:20:00.000 AM	100.998	-79.021	70872.703	-0.074	298.629	140.968	0.411	-25.057	19.338	-15.77
11/14/2023@06:30:00.000 AM	90.406	-76.313	70869.125	-0.096	331.01	141.458	0.423	-25.493	19.733	-15.403
11/14/2023@06:40:00.000 AM	87.54	-72.977	71023.602	-0.091	305.781	140.379	0.412	-26.043	19.473	-15.625
11/14/2023@06:50:00.000 AM	84.047	-72.653	70805.781	-0.059	388.056	156.861	0.418	-24.233	18.911	-13.988
11/14/2023@07:00:00.000 AM	86.367	-76.925	70736.992	-0.08	442.581	155.578	0.435	-24.262	19.878	-14.735
11/14/2023@07:10:00.000 AM	86.367	-77.401	70736.797	-0.055	264.338	144.281	0.406	-23.479	19.332	-14.062
11/14/2023@07:20:00.000 AM	90.406	-75.777	70687.578	-0.076	275.232	139.279	0.413	-23.547	19.451	-14.034
11/14/2023@07:30:00.000 AM	89.271	-70.941	70626.609	-0.038	215.821	142.552	0.401	-22.222	19.022	-13.047

11/14/2023@07:40:00.000 AM	91.806	-71.638	70498.672	-0.032	246.62	148.642	0.388	-21.808	18.454	-12.926
11/14/2023@07:50:00.000 AM	83.362	-72.881	70306.203	-0.04	303.835	154.883	0.406	-20.409	19.055	-12.721
11/14/2023@08:00:00.000 AM	90.406	-75.314	70197.516	-0.064	307.174	147.448	0.427	-22.706	20.065	-13.059
11/14/2023@08:10:00.000 AM	87.54	-74.969	70078.758	-0.04	290.995	152.689	0.421	-22.274	19.734	-12.92
11/14/2023@08:20:00.000 AM	90.406	-74.873	70012.227	-0.058	252.698	141.324	0.406	-20.752	18.896	-12.445
11/14/2023@08:30:00.000 AM	87.54	-75.272	70096.664	-0.073	262.79	138.421	0.393	-22.436	18.961	-12.502
11/14/2023@08:40:00.000 AM	87.54	-72.989	69878.055	-0.048	249.294	145.079	0.419	-22.612	20.105	-12.544
11/14/2023@08:50:00.000 AM	86.882	-74.433	69151.844	-0.011	231.692	155.558	0.404	-19.952	19.651	-11.183
11/14/2023@09:00:00.000 AM	87.54	-73.39	69142.82	-0.044	242.843	145.955	0.407	-19.997	19.429	-10.823
11/14/2023@09:10:00.000 AM	98.052	-74.638	69329.758	-0.061	286.669	144.04	0.362	-50.039	19.269	-40.417
11/14/2023@09:20:00.000 AM	91.039	-74.144	69075.305	-0.067	357.029	152.196	0.365	-20.504	17.661	-9.445
11/14/2023@09:30:00.000 AM	86.882	-75.721	68935.906	-0.064	285.666	145.681	0.395	-22.747	19.798	-10.022
11/14/2023@09:40:00.000 AM	79.846	-75.161	69120.297	-0.043	346.977	158.153	0.386	-21.577	19.138	-9.895
11/14/2023@09:50:00.000 AM	79.846	-73.293	69305.133	-0.065	338.043	152.945	0.389	-22.57	19.136	-10.089
11/14/2023@10:00:00.000 AM	84.047	-74.322	69104.82	-0.051	325.808	154.146	0.333	-26.134	18.438	-9.443
11/14/2023@10:10:00.000 AM	86.882	-75.296	68730.203	-0.052	318.465	152.774	0.345	-29.012	18.964	-9.734

11/14/2023@10:20:00.000 AM	89.911	-78.991	68632.602	-0.058	269.355	144.965	0.344	-29.702	19.128	-9.931
11/14/2023@10:30:00.000 AM	86.367	-79.696	68457.828	-0.061	319.085	150.414	0.375	-28.299	20.139	-9.812
11/14/2023@10:40:00.000 AM	89.556	-78.588	68400.836	-0.053	288.531	148.676	0.374	-29.229	20.191	-10.076
11/14/2023@10:50:00.000 AM	89.342	-83.708	68480.484	-0.05	262.814	145.403	0.355	-28.636	19.479	-9.747
11/14/2023@11:00:00.000 AM	89.911	-76.79	68345.375	-0.039	255.707	148.329	0.348	-27.782	19.248	-9.357
11/14/2023@11:10:00.000 AM	89.911	-79.179	68257.328	-0.064	352.139	152.35	0.374	-27.908	20.111	-9.9
11/14/2023@11:20:00.000 AM	90.406	-78.545	68200.398	-0.051	301.307	150.026	0.371	-28.792	20.353	-9.598
11/14/2023@11:30:00.000 AM	93.458	-79.922	68008.469	-0.093	455.403	153.743	0.378	-26.913	20.057	-9.376
11/14/2023@11:40:00.000 AM	85.997	-79.176	68025.977	-0.064	360.105	153.869	0.366	-26.669	19.564	-8.97
11/14/2023@11:50:00.000 AM	92.91	-82.194	68121.688	-0.052	289.325	148.216	0.35	-27.799	19.173	-8.7
11/14/2023@12:00:00.000 PM	85.997	-80.339	68122.242	-0.049	262.814	146.762	0.356	-27.8	19.443	-9.075
11/14/2023@12:10:00.000 PM	86.367	-77.665	68051.906	-0.078	368.678	151.306	0.384	-27.77	20.379	-9.447
11/14/2023@12:20:00.000 PM	86.367	-79.318	68084.352	-0.058	256.529	143.157	0.376	-29.89	20.257	-9.687
11/14/2023@12:30:00.000 PM	82.825	-77.536	68075.508	-0.054	251.002	144.49	0.358	-27.771	19.698	-8.817
11/14/2023@12:40:00.000 PM	88.337	-70.594	68105.805	-0.04	239.964	147.585	0.362	-27.458	19.74	-8.171
11/14/2023@12:50:00.000 PM	86.367	-75.848	68103.156	-0.052	251.002	144.873	0.356	-28.243	19.33	-8.222

11/14/2023@01:00:00.000 PM	79.846	-75.887	68151.477	-0.045	237.856	146.095	0.359	-28.158	19.403	-8.372
11/14/2023@01:10:00.000 PM	90.406	-75.153	67948.594	-0.057	383.345	156.403	0.382	-29.067	20.106	-9.673
11/14/2023@01:20:00.000 PM	85.774	-83.726	68130.648	-0.062	232.296	137.262	0.364	-31.915	19.429	-9.679
11/14/2023@01:30:00.000 PM	83.362	-75.705	68163.203	-0.071	270.748	142.191	0.358	-31.329	19.346	-9.695
11/14/2023@01:40:00.000 PM	86.882	-77.684	68103.25	-0.05	222.426	139.422	0.375	-31.814	20.15	-10.514
11/14/2023@01:50:00.000 PM	89.911	-80.213	68124.148	-0.057	210.316	131.856	0.375	-31.84	19.96	-9.981
11/14/2023@02:00:00.000 PM	89.556	-78.813	68199.813	-0.058	213.056	133.349	0.366	-31.823	19.741	-9.667
11/14/2023@02:10:00.000 PM	94.543	-74.334	68267	-0.047	212.157	136.908	0.365	-32.057	19.583	-9.6
11/14/2023@02:20:00.000 PM	87.54	-72.842	68194.531	-0.059	277.814	146.408	0.364	-30.288	19.446	-9.609
11/14/2023@02:30:00.000 PM	91.039	-74.242	68244.367	-0.037	194.438	138.004	0.383	-31.147	20.518	-10.214
11/14/2023@02:40:00.000 PM	99.6	-72.634	68014.313	-0.07	333.791	147.962	0.392	-29.554	20.587	-9.711
11/14/2023@02:50:00.000 PM	91.806	-70.459	67965.766	-0.088	354.952	147.509	0.373	-27.91	19.918	-8.297
11/14/2023@03:00:00.000 PM	109.246	-73.533	68065.789	-0.039	384.872	157.152	0.349	-26.504	18.677	-7.919
11/14/2023@03:10:00.000 PM	106.528	-71.385	68082.359	-0.065	262.644	138.198	0.339	-29.105	18.634	-8.274
11/14/2023@03:20:00.000 PM	101.565	-74.248	68028.063	-0.066	330.856	148.363	0.363	-29.984	19.415	-9.261
11/14/2023@03:30:00.000 PM	89.911	-78.848	68013.352	-0.057	299.098	148.423	0.38	-30.684	20.144	-10.28

11/14/2023@03:40:00.000 PM	94.543	-76.042	68060.375	-0.047	241.474	143.031	0.381	-30.329	20.561	-10.77
11/14/2023@03:50:00.000 PM	95.282	-71.757	68050.758	-0.057	252.698	141.139	0.366	-30.399	20.071	-10.694
11/14/2023@04:00:00.000 PM	93.458	-78.569	68073.828	-0.057	315.953	149.785	0.367	-29.2	19.735	-10.413
11/14/2023@04:10:00.000 PM	93.458	-77.136	68090.117	-0.055	321.87	150.75	0.363	-28.136	19.589	-9.593
11/14/2023@04:20:00.000 PM	87.54	-74.573	68175.477	-0.059	248.269	141.177	0.363	-29.7	19.912	-10.225
11/14/2023@04:30:00.000 PM	90.406	-75.387	68177.547	-0.044	248.731	145.726	0.363	-27.26	19.838	-9.562
11/14/2023@04:40:00.000 PM	99.6	-70.658	68260.656	-0.046	261.55	145.385	0.36	-28.578	19.61	-10.414
11/14/2023@04:50:00.000 PM	93.934	-75.658	68171.305	-0.041	257.818	146.972	0.349	-28.32	19.169	-9.87
11/14/2023@05:00:00.000 PM	93.934	-75.385	68182.789	-0.046	267.812	147.201	0.344	-27.684	19.146	-9.742
11/14/2023@05:10:00.000 PM	105.082	-75.062	68139.508	-0.062	330.007	147.933	0.372	-29.323	20.177	-10.418
11/14/2023@05:20:00.000 PM	96.148	-69.928	68131.344	-0.06	338.043	151.422	0.362	-28.054	19.951	-10.376
11/14/2023@05:30:00.000 PM	90.406	-77.105	68100.961	-0.038	333.772	156.09	0.354	-27.003	19.32	-10.499
11/14/2023@05:40:00.000 PM	89.911	-79.103	68157.086	-0.052	267.812	145.643	0.365	-26.418	19.95	-10.451
11/14/2023@05:50:00.000 PM	86.882	-75.335	68194.758	-0.064	284.414	145.535	0.36	-24.404	19.399	-9.409
11/14/2023@06:00:00.000 PM	79.846	-74.399	68669.359	-0.065	247.909	141.611	0.396	-21.296	19.404	-9.729
11/14/2023@06:10:00.000 PM	85.997	-80.321	68433.805	-0.102	331.241	141.826	0.396	-19.483	19.004	-9.008

11/14/2023@06:20:00.000 PM	76.336	-73.916	68367.891	-0.121	448.647	150.826	0.409	-21.548	19.238	-9.828
11/14/2023@06:30:00.000 PM	81.427	-68.501	68740.289	-0.051	253.629	147.469	0.396	-22.225	19.147	-10.436
11/14/2023@06:40:00.000 PM	80.562	-73.573	68756.313	-0.071	255.333	140.737	0.403	-23.261	19.86	-11.19
11/14/2023@06:50:00.000 PM	82.825	-79.339	68768.172	-0.047	232.351	140.103	0.41	-22.945	20.326	-11.564
11/14/2023@07:00:00.000 PM	83.362	-76.191	68512.328	-0.061	239.991	140.093	0.395	-21.344	19.671	-11.125
11/14/2023@07:10:00.000 PM	87.54	-72.269	68750.766	-0.043	250.722	148.141	0.385	-20.183	19.089	-10.315
11/14/2023@07:20:00.000 PM	84.047	-73.733	68603.852	-0.086	315.084	144.553	0.392	-20.098	19.219	-9.948
11/14/2023@07:30:00.000 PM	86.367	-75.725	68623.594	-0.087	338.552	146.695	0.398	-20.287	19.482	-10.131
11/14/2023@07:40:00.000 PM	82.825	-76.956	68587.602	-0.1	259.96	130.326	0.415	-21.294	20.765	-11.092
11/14/2023@07:50:00.000 PM	86.882	-76.38	68494.609	-0.063	276.618	144.693	0.414	-21.384	20.516	-10.636
11/14/2023@08:00:00.000 PM	84.047	-73.605	68701.953	-0.052	235.485	142.596	0.393	-20.5	19.464	-10.53
11/14/2023@08:10:00.000 PM	80.562	-71.98	68673.195	-0.015	351.196	164.594	0.404	-18.396	19.643	-10.418
11/14/2023@08:20:00.000 PM	79.846	-74.791	68598.727	-0.047	348.133	156.976	0.426	-19.289	20.73	-10.371
11/14/2023@08:30:00.000 PM	86.367	-78.118	68659.703	-0.059	330.085	151.701	0.414	-20.048	20.355	-10.565
11/14/2023@08:40:00.000 PM	84.047	-72.802	68738.328	-0.032	271.594	153.826	0.417	-20.197	20.451	-10.969
11/14/2023@08:50:00.000 PM	87.54	-74.507	68578.797	-0.034	276.434	153.538	0.39	-18.991	19.381	-10.497

11/14/2023@09:00:00.000 PM	79.285	-79.716	68749.586	-0.064	294.155	147.997	0.396	-19.752	19.423	-10.896
11/14/2023@09:10:00.000 PM	83.362	-75.541	68683.727	-0.002	267.907	161.83	0.405	-20.013	20.112	-11.289
11/14/2023@09:20:00.000 PM	92.91	-84.005	68897.563	-0.033	303.415	154.753	0.396	-19.659	19.58	-11.126
11/14/2023@09:30:00.000 PM	83.362	-75.232	68836.852	0.002	280.077	163.993	0.407	-20.748	20.181	-11.195
11/14/2023@09:40:00.000 PM	86.882	-76.009	68916.805	-0.027	325.964	158.989	0.409	-20.532	20.093	-11.521
11/14/2023@09:50:00.000 PM	82.825	-76.627	68998.898	-0.04	243.681	148.411	0.405	-21.374	20.253	-11.452
11/14/2023@10:00:00.000 PM	90.406	-75.017	68982.195	-0.048	258.608	148.111	0.385	-20.433	19.495	-10.272
11/14/2023@10:10:00.000 PM	79.846	-73.22	68855.609	-0.04	252.546	150.443	0.389	-20.318	19.461	-10.429
11/14/2023@10:20:00.000 PM	84.878	-73.386	69051.195	-0.064	287.269	146.472	0.378	-21.534	18.893	-10.26
11/14/2023@10:30:00.000 PM	86.882	-75.839	69113.188	-0.058	252.95	142.682	0.396	-21.822	19.906	-11.433
11/14/2023@10:40:00.000 PM	86.882	-76.431	68952.789	-0.073	307.859	146.076	0.403	-22.094	20.088	-11.223
11/14/2023@10:50:00.000 PM	82.825	-78.74	69130.031	-0.026	249.371	153.34	0.41	-21.457	20.496	-10.977
11/14/2023@11:00:00.000 PM	84.878	-70.994	69186.039	-0.01	291.761	161.859	0.407	-20.952	19.864	-10.886
11/14/2023@11:10:00.000 PM	86.882	-74.453	69040.266	-0.003	396.812	167.592	0.424	-21.39	20.185	-12.488
11/14/2023@11:20:00.000 PM	84.878	-71.523	69284.844	0	242.027	160.206	0.409	-23.67	20.047	-12.783
11/14/2023@11:30:00.000 PM	84.047	-76.11	69425.172	-0.009	251.332	158.281	0.414	-24.439	20.292	-13.092

11/14/2023@11:40:00.000 PM	87.54	-75.767	69232.805	-0.031	287.446	154.479	0.435	-24.634	21.093	-12.924
11/14/2023@11:50:00.000 PM	86.882	-77.043	68964.422	-0.064	448.917	158.784	0.451	-23.253	21.404	-12.169
11/15/2023@12:00:00.000 AM	77.988	-70.1	69060.234	-0.045	327.369	156.934	0.429	-23.718	20.724	-12.307
11/15/2023@12:10:00.000 AM	84.047	-73.313	69240.789	-0.043	282.367	151.832	0.417	-24.781	20.047	-12.654
11/15/2023@12:20:00.000 AM	87.54	-74.583	69141.727	-0.037	298.693	154.795	0.414	-24.378	19.927	-12.143
11/15/2023@12:30:00.000 AM	91.039	-73.295	69487.633	-0.053	272.812	146.815	0.409	-24.928	19.772	-12.876
11/15/2023@12:40:00.000 AM	86.882	-75.456	69343.961	0.034	154.704	163.802	0.435	-27.066	21.105	-13.609
11/15/2023@12:50:00.000 AM	82.825	-76.931	69344.133	-0.006	246.18	159.327	0.436	-26.019	21.264	-13.236
11/15/2023@01:00:00.000 AM	89.911	-80.408	69671.234	-0.034	227.106	145.045	0.431	-26.785	20.95	-13.539
11/15/2023@01:10:00.000 AM	86.367	-76.463	69766.016	-0.057	274.977	146.045	0.428	-26.833	20.399	-13.326
11/15/2023@01:20:00.000 AM	86.367	-78.249	69832.391	-0.068	273.443	142.662	0.415	-27.582	20.119	-14.108
11/15/2023@01:30:00.000 AM	77.084	-70.501	69653.953	-0.033	235.81	151.409	0.42	-24.405	20.118	-13.634
11/15/2023@01:40:00.000 AM	90.406	-76.168	69825.344	-0.051	243.236	142.444	0.439	-25.661	21.056	-14.325
11/15/2023@01:50:00.000 AM	86.882	-77.791	69934.313	-0.058	282.299	146.694	0.45	-26.573	21.542	-14.296
11/15/2023@02:00:00.000 AM	90.406	-76.426	69987.023	-0.037	258.534	149.484	0.431	-24.927	20.559	-13.233
11/15/2023@02:10:00.000 AM	84.878	-71.57	70066.258	-0.04	234.97	146.342	0.414	-25.561	20.216	-13.562

11/15/2023@02:20:00.000 AM	80.562	-73.863	69892.773	-0.05	247.832	145.913	0.402	-23.518	19.471	-12.406
11/15/2023@02:30:00.000 AM	79.285	-77.071	70095.258	-0.073	268.573	129.418	0.412	-25.086	19.816	-13.086
11/15/2023@02:40:00.000 AM	78.882	-79.341	70165.93	-0.042	248.654	148.625	0.412	-25.959	20.039	-13.487
11/15/2023@02:50:00.000 AM	87.54	-72.801	70184.711	-0.085	300.735	141.433	0.412	-26.602	19.978	-13.297
11/15/2023@03:00:00.000 AM	83.362	-74.305	70263.164	-0.025	282.66	156.848	0.418	-26.463	20.052	-13.943
11/15/2023@03:10:00.000 AM	86.882	-76.013	70198.625	-0.065	331.953	150.212	0.408	-26.174	19.433	-13.777
11/15/2023@03:20:00.000 AM	82.825	-78.636	70446.438	-0.01	361.519	164.887	0.412	-26.518	19.978	-14.392
11/15/2023@03:30:00.000 AM	83.362	-73.441	70833.969	-0.066	268.407	143.155	0.413	-27.305	19.943	-14.875
11/15/2023@03:40:00.000 AM	84.047	-72.777	70806.656	-0.059	303.079	149.876	0.409	-26.953	19.882	-14.91
11/15/2023@03:50:00.000 AM	84.878	-70.616	70849.492	-0.051	264.458	147.454	0.431	-28.24	20.854	-15.652
11/15/2023@04:00:00.000 AM	90.406	-75.041	70887.133	-0.052	222.426	136.429	0.428	-28.247	20.861	-15.374
11/15/2023@04:10:00.000 AM	84.047	-73.845	70803.773	-0.063	296.121	147.952	0.427	-28.679	20.827	-15.405
11/15/2023@04:20:00.000 AM	79.846	-76.191	71045.852	-0.049	242.106	145.381	0.416	-29.13	20.198	-15.629
11/15/2023@04:30:00.000 AM	86.882	-76.509	70869.391	-0.02	218.025	149.732	0.399	-27.588	19.575	-14.724
11/15/2023@04:40:00.000 AM	87.54	-74.727	71013.859	-0.062	263.032	140.894	0.411	-28.858	19.785	-15.584
11/15/2023@04:50:00.000 AM	88.337	-73.522	70876.781	-0.127	273.116	117.735	0.42	-30.287	20.395	-16.26

11/15/2023@05:00:00.000 AM	83.362	-74.35	71000.625	-0.068	244.934	138.298	0.432	-29.516	20.886	-15.82
11/15/2023@05:10:00.000 AM	86.882	-76.859	70728.773	-0.039	238.712	146.803	0.427	-28.412	20.604	-15.058
11/15/2023@05:20:00.000 AM	90.406	-74.715	70835.984	-0.056	245.246	141.287	0.407	-28.81	19.803	-15.38
11/15/2023@05:30:00.000 AM	76.336	-76.031	71030.828	-0.042	214.25	144.628	0.411	-29.027	19.897	-15.866
11/15/2023@05:40:00.000 AM	86.882	-75.463	70962.594	-0.045	258.608	147.629	0.42	-29.945	20.228	-16.513
11/15/2023@05:50:00.000 AM	86.882	-77.01	70885.109	-0.082	273.116	140.123	0.422	-29.336	20.331	-15.978
11/15/2023@06:00:00.000 AM	84.047	-73.435	70959.813	-0.069	305.113	146.624	0.435	-29.525	20.762	-16.158
11/15/2023@06:10:00.000 AM	90.406	-78.69	70953.227	-0.03	243.76	149.746	0.449	-29.598	21.485	-15.992
11/15/2023@06:20:00.000 AM	82.825	-76.63	70908.125	-0.07	363.769	152.624	0.449	-29.071	21.213	-16.149
11/15/2023@06:30:00.000 AM	84.878	-70.211	70659.086	-0.079	426.621	155.664	0.434	-28.839	20.484	-15.709
11/15/2023@06:40:00.000 AM	87.54	-73.088	70735.445	-0.075	327.116	147.369	0.42	-28.654	20.239	-15.667
11/15/2023@06:50:00.000 AM	86.882	-75.56	70880.008	-0.065	320.918	149.015	0.418	-29.084	19.954	-15.852
11/15/2023@07:00:00.000 AM	83.362	-72.902	70929.133	-0.051	259.96	146.989	0.407	-29.163	19.767	-16.08
11/15/2023@07:10:00.000 AM	86.882	-75	70609.742	-0.019	364.522	151.015	0.426	-27.284	20.494	-15.384
11/15/2023@07:20:00.000 AM	83.362	-76.289	70774.695	-0.06	281.439	146.522	0.428	-29.126	20.56	-15.804
11/15/2023@07:30:00.000 AM	83.362	-75.856	70693.734	-0.032	248.68	151.417	0.43	-27.563	20.824	-15.246

11/15/2023@07:40:00.000 AM	86.882	-76.606	70435.141	-0.018	302.026	157.954	0.422	-27.009	20.312	-14.811
11/15/2023@07:50:00.000 AM	86.882	-76.772	70455.531	-0.07	309.264	146.462	0.419	-26.61	20.144	-14.439
11/15/2023@08:00:00.000 AM	84.047	-74.078	70303.547	-0.059	276.457	146.728	0.4	-26.284	19.537	-13.822
11/15/2023@08:10:00.000 AM	91.039	-73.726	69967.523	-0.041	279.348	150.497	0.403	-24.433	19.651	-12.923
11/15/2023@08:20:00.000 AM	79.285	-76.315	70000.563	-0.037	233.746	149.073	0.383	-23.752	18.94	-12.926
11/15/2023@08:30:00.000 AM	82.439	-79.096	69806.344	-0.047	255.707	147.202	0.398	-23.405	19.672	-12.624
11/15/2023@08:40:00.000 AM	82.439	-68.234	70004.125	-0.06	253.755	143.926	0.367	-26.787	18.398	-12.952
11/15/2023@08:50:00.000 AM	94.543	-75.831	69760.805	-0.034	279.918	152.226	0.363	-26.003	18.281	-12.731
11/15/2023@09:00:00.000 AM	90.406	-76.919	69944.805	-0.012	247.652	155.257	0.361	-25.545	18.209	-13.218
11/15/2023@09:10:00.000 AM	83.362	-74.312	69776.109	-0.045	298.97	153.486	0.378	-25.35	18.704	-12.701
11/15/2023@09:20:00.000 AM	84.047	-72.9	69515.891	-0.056	376.904	156.981	0.384	-25.371	18.64	-12.575
11/15/2023@09:30:00.000 AM	87.54	-72.615	69564.195	-0.06	283.538	146.677	0.372	-25.484	18.335	-11.804
11/15/2023@09:40:00.000 AM	85.849	-69.465	69616.586	-0.059	273.559	146.285	0.379	-25.817	18.391	-12.255
11/15/2023@09:50:00.000 AM	84.878	-71.821	69373.836	-0.05	283.538	150.191	0.37	-24.377	18.085	-11.574
11/15/2023@10:00:00.000 AM	81.427	-72.931	69432.195	-0.047	255.533	148.097	0.382	-24.753	18.449	-11.827
11/15/2023@10:10:00.000 AM	76.336	-75.088	68601.898	-0.173	707.466	156.548	0.392	-24.981	18.632	-10.715

11/15/2023@10:20:00.000 AM	83.362	-75.715	68346.43	-0.088	396.86	152.242	0.372	-25.707	18.676	-10.717
11/15/2023@10:30:00.000 AM	90.406	-74.222	68437.992	-0.039	321.176	155.667	0.357	-27.574	18.941	-10.53
11/15/2023@10:40:00.000 AM	90.406	-75.139	68634.305	-0.061	350.342	153.112	0.369	-29.045	19.015	-11.092
11/15/2023@10:50:00.000 AM	84.047	-73.944	68507.953	-0.047	263.468	148.856	0.367	-28.562	19.08	-10.589
11/15/2023@11:00:00.000 AM	86.882	-74.879	68228.43	-0.048	326.824	151.072	0.359	-28.214	19.028	-10.452
11/15/2023@11:10:00.000 AM	83.362	-74.83	67968.703	-0.044	314.659	154.981	0.368	-29.223	19.542	-10.938
11/15/2023@11:20:00.000 AM	86.882	-73.839	68353.344	-0.046	263.589	148.696	0.376	-29.389	19.61	-11.265
11/15/2023@11:30:00.000 AM	84.047	-73.614	67997.82	-0.103	413.369	151.017	0.374	-29.059	19.441	-10.694
11/15/2023@11:40:00.000 AM	83.362	-76.553	68081.07	-0.06	341.98	153.702	0.385	-28.997	20.014	-10.694
11/15/2023@11:50:00.000 AM	83.362	-73.956	68012.336	-0.085	353.674	149.538	0.38	-28.399	19.815	-10.68
11/15/2023@12:00:00.000 PM	83.362	-75.896	68264.703	-0.051	274.397	148.67	0.399	-30.522	20.568	-11.765
11/15/2023@12:10:00.000 PM	82.825	-78.093	68049.758	-0.077	299.482	144.761	0.397	-29.186	20.831	-11.388
11/15/2023@12:20:00.000 PM	86.882	-74.964	68098.992	-0.069	338.778	150.56	0.398	-29.061	20.156	-11.101
11/15/2023@12:30:00.000 PM	83.362	-74.812	68105.516	-0.079	372.463	151.929	0.412	-29.372	20.674	-11.771
11/15/2023@12:40:00.000 PM	93.116	-80.397	68216.766	-0.047	276.457	148.16	0.397	-30.407	20.445	-11.438
11/15/2023@12:50:00.000 PM	85.997	-78.611	68054.273	-0.068	332.778	150.798	0.389	-28.754	20.128	-10.995

11/15/2023@01:00:00.000 PM	86.882	-74.626	68039.648	-0.061	260.671	143.023	0.386	-30.318	20.132	-11.25
11/15/2023@01:10:00.000 PM	82.825	-78.526	68206.945	-0.047	303.835	152.898	0.383	-30.042	19.476	-11.1
11/15/2023@01:20:00.000 PM	87.54	-73.563	68022.242	-0.016	241.394	154.751	0.376	-29.967	19.666	-10.834
11/15/2023@01:30:00.000 PM	80.562	-73.06	68085.484	-0.099	275.787	135.018	0.402	-28.429	20.589	-10.817
11/15/2023@01:40:00.000 PM	89.556	-81.885	67940.313	-0.065	281.281	155.159	0.398	-27.146	20.642	-10.706
11/15/2023@01:50:00.000 PM	82.825	-78.549	68183.352	-0.06	237.561	140.212	0.401	-28.44	20.532	-10.953
11/15/2023@02:00:00.000 PM	86.882	-77.664	68174.289	-0.056	224.735	137.461	0.404	-28.742	20.516	-10.859
11/15/2023@02:10:00.000 PM	90.406	-74.574	68160.547	-0.053	256.031	144.876	0.387	-29.052	20.024	-10.63
11/15/2023@02:20:00.000 PM	86.882	-74.818	68250.477	-0.065	263.032	142.363	0.38	-30.049	19.786	-10.832
11/15/2023@02:30:00.000 PM	87.54	-73.591	68227.75	-0.102	394.346	148.633	0.418	-29.965	20.457	-10.837
11/15/2023@02:40:00.000 PM	86.882	-76.344	68246.43	-0.061	227.246	137.065	0.411	-29.525	20.411	-10.251
11/15/2023@02:50:00.000 PM	91.039	-71.86	67984.797	-0.062	203.036	128.177	0.378	-28.917	19.98	-9.509
11/15/2023@03:00:00.000 PM	89.911	-77.806	68333.711	-0.064	225.415	133.376	0.383	-29.568	19.298	-9.525
11/15/2023@03:10:00.000 PM	90.406	-76.395	68288.977	-0.055	219.802	135.353	0.379	-28.577	19.235	-10.026
11/15/2023@03:20:00.000 PM	98.052	-74.357	68167.391	-0.069	272.882	140.336	0.396	-29.213	20.003	-10.775
11/15/2023@03:30:00.000 PM	98.052	-74.059	68184.641	-0.06	237.561	136.381	0.394	-28.902	20.33	-11.228

11/15/2023@03:40:00.000 PM	95.282	-72.676	68036.305	-0.061	271.125	143.331	0.404	-29.849	20.676	-11.222
11/15/2023@03:50:00.000 PM	94.543	-73.808	68066.336	-0.084	282.84	137.118	0.376	-28.538	19.683	-11.096
11/15/2023@04:00:00.000 PM	97.465	-75.969	68056.531	-0.076	256.031	134.309	0.377	-27.203	19.681	-10.382
11/15/2023@04:10:00.000 PM	97.465	-77.18	68256.313	-0.07	255.133	136.864	0.388	-27.838	20.062	-11.121
11/15/2023@04:20:00.000 PM	95.282	-71.227	68264.477	-0.068	257.546	138.791	0.394	-28.789	20.146	-11.401
11/15/2023@04:30:00.000 PM	100.998	-76.544	68107.945	-0.082	300.141	149.043	0.385	-26.21	19.935	-10.551
11/15/2023@04:40:00.000 PM	86.882	-73.994	68284.047	-0.065	232.516	136.481	0.389	-27.815	20.122	-11.301
11/15/2023@04:50:00.000 PM	91.806	-70.988	68154.031	-0.053	232.351	140.051	0.396	-28.634	20.714	-11.95
11/15/2023@05:00:00.000 PM	90.406	-74.88	68070.344	-0.082	402.365	152.813	0.394	-26.674	19.897	-11.74
11/15/2023@05:10:00.000 PM	93.458	-80.599	68172.469	-0.072	275.787	140.448	0.389	-28.249	20.313	-10.888
11/15/2023@05:20:00.000 PM	93.116	-80.817	68394.586	-0.057	276.618	144.695	0.398	-27.181	20.318	-10.521
11/15/2023@05:30:00.000 PM	86.882	-76.014	68144	-0.107	333.639	140.572	0.378	-25.313	19.79	-9.729
11/15/2023@05:40:00.000 PM	93.934	-76.393	68357.133	-0.057	266.093	143.719	0.252	-18.079	13.786	-5.269
11/15/2023@05:50:00.000 PM	90.406	-76.193	68373.836	-0.063	301.392	147.021	0.367	-25.959	18.949	-10.084
11/15/2023@06:00:00.000 PM	109.538	-66.901	68274.398	-0.057	313.522	146.91	0.373	-25.031	19.309	-10.156
11/15/2023@06:10:00.000 PM	91.039	-73.3	68108.664	-0.091	280.668	146.358	0.325	-23.649	17.661	-9.353

11/15/2023@06:20:00.000 PM	90.406	-75.372	68335.867	-0.069	357.69	152.039	0.338	-21.957	18.163	-9.34
11/15/2023@06:30:00.000 PM	88.337	-72.041	68523.266	-0.095	360.725	147.215	0.354	-24.59	18.579	-9.899
11/15/2023@06:40:00.000 PM	90.406	-75.885	68542.281	-0.064	286.669	145.075	0.358	-24.474	18.862	-9.794
11/15/2023@06:50:00.000 PM	89.911	-78.935	68671.227	-0.031	285.889	154.005	0.382	-26.402	20.336	-11.446
11/15/2023@07:00:00.000 PM	91.806	-73.874	68328.07	-0.054	334.001	153.103	0.385	-21.579	19.75	-11.159
11/15/2023@07:10:00.000 PM	68.686	-77.017	68402.148	-0.058	292.764	152.063	0.349	-24.03	20.128	-11.302
11/15/2023@07:20:00.000 PM	84.047	-72.663	68453.188	-0.04	332.222	157.775	0.371	-18.5	19.565	-11.122
11/15/2023@07:30:00.000 PM	84.047	-74.901	68313.164	-0.042	330.702	156.875	0.393	-20.654	20.216	-10.81
11/15/2023@07:40:00.000 PM	91.806	-71.647	68457.453	-0.038	308.706	154.536	0.354	-14.076	19.116	-10.415
11/15/2023@07:50:00.000 PM	75.749	-77.116	68854.305	-0.027	258.707	156.153	0.384	-14.184	18.432	-9.086
11/15/2023@08:00:00.000 PM	84.047	-74.944	68813.953	-0.038	251.712	149.998	0.377	-13.92	17.938	-8.743
11/15/2023@08:10:00.000 PM	87.54	-73.802	68749.109	-0.017	298.778	159.325	0.405	-16.806	19.472	-10.874
11/15/2023@08:20:00.000 PM	81.427	-68.497	68666.5	-0.12	535.208	155.207	0.428	-14.548	19.163	-10.363
11/15/2023@08:30:00.000 PM	87.54	-73.374	68919.586	-0.048	294.155	151.018	0.407	-16.098	19.326	-10.133
11/15/2023@08:40:00.000 PM	75.749	-75.897	69111.797	-0.043	279.918	153.13	0.42	-18.272	20.336	-11.421
11/15/2023@08:50:00.000 PM	80.562	-74.489	68855.336	-0.012	238.204	157.419	0.416	-16.66	20.026	-10.91

11/15/2023@09:00:00.000 PM	83.362	-76.053	68937.852	-0.037	381.277	161.078	0.424	-18.089	19.737	-11.704
11/15/2023@09:10:00.000 PM	91.039	-76.125	68973.43	-0.025	324.946	158.882	0.41	-17.404	19.558	-11.822
11/15/2023@09:20:00.000 PM	84.047	-71.932	68659.523	-0.043	274.42	151.635	0.405	-18.556	19.409	-11.014
11/15/2023@09:30:00.000 PM	80.562	-74.206	68769.359	-0.009	363.944	165.882	0.423	-16.265	19.794	-11.031
11/15/2023@09:40:00.000 PM	82.439	-82.754	68754.563	-0.005	269.993	161.237	0.419	-16.962	20.066	-10.906
11/15/2023@09:50:00.000 PM	90.406	-74.219	68912.422	-0.017	300.29	159.176	0.417	-17.362	19.839	-11.706
11/15/2023@10:00:00.000 PM	79.846	-75.605	68932.195	-0.017	258.707	157.423	0.407	-18.305	19.359	-11.708
11/15/2023@10:10:00.000 PM	82.825	-78.357	68836.406	-0.058	265.685	145.342	0.401	-17.252	19.33	-11.238
11/15/2023@10:20:00.000 PM	88.337	-72.473	68816.25	-0.041	278.639	151.464	0.396	-18.893	19.145	-11.128
11/15/2023@10:30:00.000 PM	80.562	-72.65	69073.43	-0.053	261.525	148.13	0.415	-18.779	20.04	-11.395
11/15/2023@10:40:00.000 PM	90.406	-77.262	68936.297	-0.056	306.031	149.496	0.427	-19.059	20.382	-11.301
11/15/2023@10:50:00.000 PM	86.882	-76.638	68818.07	-0.094	396.86	151.76	0.414	-19.408	19.605	-11.232
11/15/2023@11:00:00.000 PM	89.556	-79.108	69149.086	-0.012	247.652	155.582	0.403	-20.178	19.159	-11.326
11/15/2023@11:10:00.000 PM	86.882	-78.705	69066.586	0.004	229.452	160.126	0.396	-18.704	19.049	-11.231
11/15/2023@11:20:00.000 PM	82.825	-77.518	69072.156	-0.038	267.622	151.327	0.404	-19.443	19.484	-10.668
11/15/2023@11:30:00.000 PM	91.039	-74.409	69071.977	-0.041	231.444	144.458	0.412	-20.554	20.068	-11.478

11/15/2023@11:40:00.000 PM	91.039	-73.687	69225.031	-0.023	257.348	153.55	0.41	-19.303	19.615	-11.539
11/15/2023@11:50:00.000 PM	84.047	-72.157	69173.625	-0.002	261.257	161.759	0.391	-18.855	18.768	-11.366
11/16/2023@12:00:00.000 AM	84.047	-73.763	69664.891	-0.062	323.352	151.355	0.413	-17.886	18.884	-12.433
11/16/2023@12:10:00.000 AM	79.846	-74.737	69641.672	-0.12	351.414	140.622	0.422	-17.922	19.529	-13.173
11/16/2023@12:20:00.000 AM	84.878	-70.154	69590.797	-0.053	254.307	145.816	0.437	-18.964	20.451	-13.028
11/16/2023@12:30:00.000 AM	98.764	-72.985	69538.195	-0.044	299.098	150.417	0.436	-18.467	20.277	-12.719
11/16/2023@12:40:00.000 AM	100.555	-69.016	69720.727	-0.054	316.92	149.544	0.409	-18.259	18.942	-12.576
11/16/2023@12:50:00.000 AM	84.878	-71.973	69699.977	0.011	193.65	159.426	0.393	-16.258	18.339	-11.409
11/16/2023@01:00:00.000 AM	87.54	-72.991	69723.789	-0.069	312.157	147.672	0.394	-17.159	18.472	-11.84
11/16/2023@01:10:00.000 AM	95.282	-72.755	69785.25	-0.068	286.224	142.526	0.421	-19.789	19.58	-13.11
11/16/2023@01:20:00.000 AM	98.052	-74.033	69743.039	-0.074	290.645	141.25	0.444	-20.516	20.535	-13.301
11/16/2023@01:30:00.000 AM	98.052	-75.953	69891.227	-0.071	275.325	138.819	0.423	-19.66	19.858	-13.009
11/16/2023@01:40:00.000 AM	93.458	-77.376	69894.305	-0.085	297.945	139.269	0.405	-19.342	18.893	-12.123
11/16/2023@01:50:00.000 AM	92.704	-71.354	69986.156	-0.076	272.742	138.402	0.399	-19.396	18.848	-12.699
11/16/2023@02:00:00.000 AM	96.148	-71.168	70145.883	-0.094	308.21	138.481	0.4	-20.261	18.999	-13.425
11/16/2023@02:10:00.000 AM	93.73	-67.793	70108.594	-0.079	285.421	140.307	0.412	-19.969	19.304	-12.72

11/16/2023@02:20:00.000 AM	92.704	-71.635	70101.25	-0.062	237.346	136.537	0.417	-19.179	19.594	-12.52
11/16/2023@02:30:00.000 AM	90.406	-75.288	70121.922	-0.08	367.449	149.515	0.411	-18.977	18.84	-12.065
11/16/2023@02:40:00.000 AM	99.6	-71.184	70088.375	-0.077	282.795	138.519	0.404	-21.115	18.769	-12.02
11/16/2023@02:50:00.000 AM	91.039	-72.722	70222.148	-0.057	252.698	141.558	0.404	-21.28	18.86	-13.227
11/16/2023@03:00:00.000 AM	91.039	-72.561	70096.25	-0.054	199.264	129.763	0.417	-21.222	19.881	-13.305
11/16/2023@03:10:00.000 AM	95.282	-71.969	70189.641	-0.085	254.958	130.999	0.426	-23.941	20.314	-14.724
11/16/2023@03:20:00.000 AM	90.336	-68.833	70323.953	-0.082	255.333	133.751	0.419	-23.455	19.774	-14.818
11/16/2023@03:30:00.000 AM	92.704	-70.786	70302.398	-0.068	235.16	133.914	0.412	-23.595	19.553	-14.809
11/16/2023@03:40:00.000 AM	99.6	-70.099	70370.945	-0.086	288.022	136.713	0.399	-22.243	19.085	-13.833
11/16/2023@03:50:00.000 AM	93.73	-67.613	70127.68	0.072	214.517	-179.124	0.413	-20.397	19.546	-13.832
11/16/2023@04:00:00.000 AM	95.282	-72.281	70149.227	-0.05	247.909	142.516	0.423	-21.835	19.729	-13.648
11/16/2023@04:10:00.000 AM	93.934	-75.944	70226.383	-0.087	228.366	120.71	0.404	-22.216	19.441	-14.011
11/16/2023@04:20:00.000 AM	81.427	-71.751	70426.68	-0.082	240.521	132.724	0.415	-23.585	19.764	-15.009
11/16/2023@04:30:00.000 AM	83.362	-76.787	70250.32	-0.083	285.867	140.623	0.406	-22.44	19.357	-14.048
11/16/2023@04:40:00.000 AM	83.362	-77.603	70334.023	-0.078	233.664	130.931	0.412	-23.766	19.7	-14.914
11/16/2023@04:50:00.000 AM	86.882	-75.789	70344.859	-0.098	290.645	136.002	0.42	-22.452	19.764	-13.74

11/16/2023@05:00:00.000 AM	80.562	-74.252	70242.242	-0.032	279.462	154.817	0.42	-20.406	19.928	-13.479
11/16/2023@05:10:00.000 AM	79.285	-78.242	70167.492	-0.081	229.979	129.38	0.413	-20.205	19.578	-12.851
11/16/2023@05:20:00.000 AM	84.878	-72.657	70381.781	-0.07	232.351	135.24	0.401	-21.558	18.998	-13.162
11/16/2023@05:30:00.000 AM	85.7	-83.999	70215.969	-0.134	412.504	142.722	0.423	-21.744	19.5	-14.553
11/16/2023@05:40:00.000 AM	93.934	-76.566	70135.484	-0.106	308.706	134.757	0.423	-22.228	19.867	-14.729
11/16/2023@05:50:00.000 AM	95.282	-73.38	70087.477	-0.054	341.98	152.659	0.437	-21.206	20.022	-14.262
11/16/2023@06:00:00.000 AM	87.54	-72.59	70139.984	-0.106	318.145	138.368	0.431	-21.889	20.285	-14.047
11/16/2023@06:10:00.000 AM	86.882	-76.011	70051.57	-0.077	247.909	133.719	0.415	-20.242	19.702	-13.68
11/16/2023@06:20:00.000 AM	93.934	-74.849	70230.063	-0.049	234.943	140.38	0.409	-20.549	19.338	-14.065
11/16/2023@06:30:00.000 AM	101.565	-76.047	70196.445	-0.061	233.173	132.382	0.413	-21.601	19.63	-14.548
11/16/2023@06:40:00.000 AM	112.75	-75.542	70070.813	-0.103	331.241	135.16	0.433	-20.602	20.292	-14.102
11/16/2023@06:50:00.000 AM	91.039	-72.492	70204.539	-0.112	282.299	128.274	0.423	-21.805	20.179	-14.239
11/16/2023@07:00:00.000 AM	81.427	-71.313	70165.055	-0.086	255.133	134.627	0.417	-20.34	19.619	-13.746
11/16/2023@07:10:00.000 AM	86.882	-75.954	70058.938	-0.086	251.509	130.848	0.41	-19.264	19.399	-13.044
11/16/2023@07:20:00.000 AM	89.911	-78.769	69965.852	-0.083	247.111	130.601	0.417	-19.802	19.792	-13.79
11/16/2023@07:30:00.000 AM	77.084	-72.782	70084.18	-0.086	245.246	133.423	0.429	-20.342	20.201	-13.599

11/16/2023@07:40:00.000 AM	80.562	-72.789	69949.633	-0.121	298.522	131.02	0.431	-19.844	20.1	-13.296
11/16/2023@07:50:00.000 AM	86.367	-80.042	69885.68	-0.104	293.287	134.081	0.424	-20.903	20.106	-13.8
11/16/2023@08:00:00.000 AM	82.825	-76.649	69725.023	-0.066	244.934	139.354	0.432	-18.525	20.167	-12.854
11/16/2023@08:10:00.000 AM	83.362	-75.343	69805.555	-0.093	277.791	136.047	0.43	-18.515	20.01	-13.304
11/16/2023@08:20:00.000 AM	84.047	-72.038	69491.328	-0.078	257.546	137.405	0.443	-17.737	20.707	-12.629
11/16/2023@08:30:00.000 AM	90.406	-75.988	69635.375	-0.046	232.79	142.515	0.449	-18.793	21.041	-13.811
11/16/2023@08:40:00.000 AM	82.825	-78.063	69154.766	-0.071	268.834	141.966	0.44	-16.587	20.442	-12.68
11/16/2023@08:50:00.000 AM	83.362	-74.278	69252.188	-0.099	271.594	133.08	0.44	-18.104	20.363	-13.43
11/16/2023@09:00:00.000 AM	83.362	-73.525	69131.133	-0.081	323.53	146.829	0.436	-15.644	20.098	-12.308
11/16/2023@09:10:00.000 AM	84.047	-73.508	69126.289	-0.075	330.856	148.958	0.44	-19.945	20.687	-12.046
11/16/2023@09:20:00.000 AM	89.556	-78.784	68764.742	-0.084	314.111	143.624	0.422	-18.182	19.831	-10.984
11/16/2023@09:30:00.000 AM	89.911	-78.365	68959.891	-0.081	293.069	141.247	0.428	-19.703	20.091	-11.976
11/16/2023@09:40:00.000 AM	79.846	-76.481	68981.281	-0.059	248.731	143.098	0.427	-18.764	19.597	-11.312
11/16/2023@09:50:00.000 AM	81.427	-70.255	68833.172	-0.101	306.031	139.787	0.407	-16.518	18.806	-10.11
11/16/2023@10:00:00.000 AM	77.084	-70.862	68528.758	-0.098	358.651	148.216	0.381	-17.076	19.077	-9.691
11/16/2023@10:10:00.000 AM	90.406	-77.988	68331.344	-0.102	441.586	151.873	0.397	-19.363	19.693	-8.978

11/16/2023@10:20:00.000 AM	89.911	-78.742	68081.555	-0.059	372.498	154.508	0.371	-24.172	19.809	-9.674
11/16/2023@10:30:00.000 AM	85.997	-78.53	68334.992	-0.069	289.436	145.305	0.376	-26.252	19.738	-11.033
11/16/2023@10:40:00.000 AM	86.367	-76.194	68133.945	-0.073	368.678	152.741	0.383	-24.888	19.588	-10.506
11/16/2023@10:50:00.000 AM	90.406	-77.459	68012.422	0.002	251.332	159.869	0.356	-23.008	19.111	-9.937
11/16/2023@11:00:00.000 AM	87.54	-72.673	68085.688	-0.063	284.996	146.617	0.381	-24.584	19.941	-10.429
11/16/2023@11:10:00.000 AM	85.997	-79.359	67899.305	-0.068	315.064	148.314	0.385	-25.922	20.224	-10.568
11/16/2023@11:20:00.000 AM	85.997	-80.703	67687.094	-0.101	476.207	154.768	0.386	-24.801	20.005	-10.483
11/16/2023@11:30:00.000 AM	79.285	-76.944	68010.648	-0.084	373.591	151.937	0.394	-26.094	19.978	-10.936
11/16/2023@11:40:00.000 AM	79.285	-76.045	67764.414	-0.083	288.244	142.421	0.362	-25.282	19.28	-10.77
11/16/2023@11:50:00.000 AM	93.458	-78.962	67946.109	-0.03	243.681	148.961	0.363	-24.159	19.368	-9.603
11/16/2023@12:00:00.000 PM	84.047	-73.643	67747.93	-0.026	366.11	162.237	0.37	-24.045	19.561	-9.578
11/16/2023@12:10:00.000 PM	87.54	-71.449	67936.414	-0.048	283.246	150.61	0.353	-23.049	19.042	-8.909
11/16/2023@12:20:00.000 PM	76.336	-74.871	67885.031	-0.047	229.257	145.294	0.366	-24.48	19.568	-9.933
11/16/2023@12:30:00.000 PM	93.458	-76.521	68056.492	-0.059	307.174	149.115	0.383	-25.507	19.505	-10.52
11/16/2023@12:40:00.000 PM	82.825	-78.252	67816.43	-0.062	426.964	153.431	0.387	-26.5	19.493	-10.449
11/16/2023@12:50:00.000 PM	83.362	-73.39	67979.258	-0.064	413.616	157.82	0.39	-25.405	19.254	-9.885

11/16/2023@01:00:00.000 PM	87.54	-72.471	67960.625	-0.052	409.012	159.465	0.4	-26.426	20.171	-10.329
11/16/2023@01:10:00.000 PM	87.54	-73.415	67727.273	-0.01	548.213	170.156	0.42	-26.965	20.515	-10.668
11/16/2023@01:20:00.000 PM	80.562	-73.373	68124.18	-0.063	264.964	145.207	0.397	-27.416	20.117	-10.975
11/16/2023@01:30:00.000 PM	83.362	-75.165	68068.719	-0.065	287.823	146.833	0.387	-29.66	19.348	-11.198
11/16/2023@01:40:00.000 PM	86.882	-76.604	67934.797	-0.031	220.005	146.736	0.356	-27.312	18.829	-9.49
11/16/2023@01:50:00.000 PM	86.367	-77.853	68103.031	-0.045	214.755	141.037	0.376	-26.351	19.353	-8.699
11/16/2023@02:00:00.000 PM	83.362	-75.232	67964.039	-0.079	252.698	136.566	0.375	-25.664	19.641	-8.591
11/16/2023@02:10:00.000 PM	91.039	-75.545	67987.727	-0.056	222.254	135.705	0.359	-26.629	18.805	-8.085
11/16/2023@02:20:00.000 PM	91.039	-74.292	68188.031	-0.052	259.96	144.935	0.377	-29.77	19.227	-10.882
11/16/2023@02:30:00.000 PM	93.116	-80.012	68160.313	-0.053	224.849	136.598	0.373	-29.715	19.824	-10.454
11/16/2023@02:40:00.000 PM	86.367	-77.131	68023.445	-0.096	273.862	134.471	0.386	-29.457	20.26	-10.776
11/16/2023@02:50:00.000 PM	93.934	-76.361	67921.602	-0.108	306.364	135.03	0.413	-31.28	21	-11.249
11/16/2023@03:00:00.000 PM	84.047	-72.478	68033.625	-0.06	261.55	144.268	0.394	-29.641	19.973	-10.11
11/16/2023@03:10:00.000 PM	94.543	-73.978	67973.656	-0.075	318.525	145.946	0.411	-32.975	20.319	-10.774
11/16/2023@03:20:00.000 PM	91.806	-70.595	68237.492	-0.076	272.742	140.069	0.401	-32.801	19.63	-10.916
11/16/2023@03:30:00.000 PM	102.253	-74.889	68015.641	-0.072	250.289	134.088	0.404	-31.947	20.467	-11.338

11/16/2023@03:40:00.000 PM	86.882	-74.045	68159.477	-0.069	230.45	134.909	0.407	-32.345	20.222	-11.167
11/16/2023@03:50:00.000 PM	83.362	-74.778	67991.672	-0.054	214.636	137.846	0.403	-32.446	20.041	-11.122
11/16/2023@04:00:00.000 PM	91.039	-75.017	68102.813	-0.078	229.979	129.045	0.401	-32.669	20.053	-10.734
11/16/2023@04:10:00.000 PM	89.556	-82.18	68240.859	-0.063	222.712	133.406	0.427	-32.286	20.866	-11.35
11/16/2023@04:20:00.000 PM	82.825	-76.799	68199.406	-0.07	227.751	133.887	0.435	-33.453	21.342	-11.603
11/16/2023@04:30:00.000 PM	79.285	-79.022	68128.133	-0.039	166.953	132.967	0.413	-32.345	20.74	-11.668
11/16/2023@04:40:00.000 PM	89.911	-76.165	68190.219	-0.099	313.095	139.491	0.411	-33.553	20.534	-11.82
11/16/2023@04:50:00.000 PM	90.406	-75.935	68121.148	-0.056	227.302	137.442	0.418	-34.996	20.522	-12.013
11/16/2023@05:00:00.000 PM	86.882	-75.414	68129.438	-0.07	273.116	142.476	0.424	-33.659	20.937	-11.556
11/16/2023@05:10:00.000 PM	87.54	-73.751	68250.5	-0.096	369.939	147.661	0.429	-32.956	20.438	-11.705
11/16/2023@05:20:00.000 PM	86.882	-76.432	68314.438	-0.066	237.346	137.68	0.418	-33.429	20.556	-11.803
11/16/2023@05:30:00.000 PM	94.543	-74.677	68335.508	-0.066	268.407	141.119	0.386	-32.634	19.674	-11.152
11/16/2023@05:40:00.000 PM	105.747	-74.428	68057.5	-0.054	261.55	124.257	0.38	-29.299	19.482	-10.609
11/16/2023@05:50:00.000 PM	95.282	-72.782	68219.664	-0.071	267.646	139.034	0.394	-29.212	20.324	-10.822
11/16/2023@06:00:00.000 PM	91.039	-75.505	68225.422	-0.058	245.246	139.899	0.387	-28.619	20.223	-10.647
11/16/2023@06:10:00.000 PM	95.282	-73.66	68371.773	-0.061	257.991	141.007	0.389	-28.509	19.716	-10.77

11/16/2023@06:20:00.000 PM	87.54	-73.907	68108.164	-0.086	334.993	146.419	0.406	-24.59	20.147	-11.071
11/16/2023@06:30:00.000 PM	83.362	-73.478	68010.57	-0.099	369.939	147.566	0.439	-32.112	22.226	-18.113
11/16/2023@06:40:00.000 PM	86.367	-77.667	68225.852	-0.07	273.443	142.493	0.396	-24.069	20.391	-11.323
11/16/2023@06:50:00.000 PM	86.882	-74.568	68434.211	-0.076	250.289	135.944	0.421	-20.472	20.408	-11.614
11/16/2023@07:00:00.000 PM	103.06	-71.944	68435.727	-0.096	253.604	124.126	0.418	-21.91	20.072	-11.785
11/16/2023@07:10:00.000 PM	95.282	-71.036	68600.508	-0.05	308.995	150.752	0.427	-20.279	20.192	-11.849
11/16/2023@07:20:00.000 PM	101.565	-74.232	68351.664	-0.063	297.238	144.679	0.44	-21.413	20.926	-11.74
11/16/2023@07:30:00.000 PM	105.082	-74.591	68389.547	-0.049	250.086	140.84	0.439	-21.472	21.341	-12.597
11/16/2023@07:40:00.000 PM	97.465	-77.979	68367.875	-0.019	223.826	148.894	0.45	-18.564	21.173	-11.543
11/16/2023@07:50:00.000 PM	90.406	-76.955	68340.133	-0.054	278.548	146.488	0.448	-16.962	21.069	-10.806
11/16/2023@08:00:00.000 PM	79.285	-75.393	68563.93	-0.063	289.325	148.479	0.257	3.88	11.157	-4.542
11/16/2023@08:10:00.000 PM	84.047	-73.202	68291.828	-0.049	302.532	152.375	0.271	-18.532	13.786	-23.047
11/16/2023@08:20:00.000 PM	79.846	-72.88	68327.703	-0.09	434.938	154.885	0.258	0.565	11.236	-9.863
11/16/2023@08:30:00.000 PM	75.749	-75	68324.602	-0.005	376.227	167.749	0.262	-5.264	12.016	-15.887
11/16/2023@08:40:00.000 PM	82.439	-80.48	68301.086	-0.032	290.645	155.947	0.324	-18.591	16.169	-20.289
11/16/2023@08:50:00.000 PM	79.285	-78.45	68251.844	0.012	294.458	167.258	0.372	-24.143	18.468	-23.55

11/16/2023@09:00:00.000 PM	84.047	-73.178	68628.938	-0.046	316.678	154.232	0.379	-11.915	17.134	-9.002
11/16/2023@09:10:00.000 PM	85.774	-82.617	68575.117	0.022	236.026	166.044	0.405	-13.781	18.62	-10.42
11/16/2023@09:20:00.000 PM	86.367	-78.675	68519.805	-0.032	253.604	151.252	0.413	-15.58	19.298	-10.763
11/16/2023@09:30:00.000 PM	88.337	-72.537	68506.875	-0.019	286.068	157.836	0.385	-13.304	17.794	-10.551
11/16/2023@09:40:00.000 PM	95.282	-74.755	68558.477	-0.063	302.194	146.409	0.418	-15.753	19.494	-10.726
11/16/2023@09:50:00.000 PM	105.747	-72.144	68569.719	-0.023	237.856	147.975	0.421	-15.379	19.703	-10.704
11/16/2023@10:00:00.000 PM	93.934	-78.473	68662.023	-0.016	224.139	150.552	0.428	-14.468	19.891	-10.696
11/16/2023@10:10:00.000 PM	91.039	-73.78	68700.672	-0.08	280.282	139.156	0.406	-14.806	19.061	-10.394
11/16/2023@10:20:00.000 PM	93.934	-77.819	68737	-0.025	249.856	150.466	0.406	-16.091	18.874	-10.972
11/16/2023@10:30:00.000 PM	89.911	-79.001	68688.742	-0.045	312.32	153.012	0.433	-16.17	20.247	-10.803
11/16/2023@10:40:00.000 PM	94.543	-74.915	68712.711	-0.031	305.029	154.919	0.446	-18.696	20.794	-11.745
11/16/2023@10:50:00.000 PM	93.116	-81.583	68838.133	-0.046	321.176	153.183	0.456	-18.858	21.042	-12.675
11/16/2023@11:00:00.000 PM	98.764	-71.575	68965.516	-0.035	258.608	147.932	0.442	-18.581	20.549	-12.789
11/16/2023@11:10:00.000 PM	93.934	-78.176	68730.07	-0.021	206.399	146.439	0.432	-19.529	20.586	-13.406
11/16/2023@11:20:00.000 PM	91.039	-75.414	68938.742	-0.023	260.695	147.849	0.45	-20.102	21.078	-13.315
11/16/2023@11:30:00.000 PM	86.367	-76.743	68903.945	-0.033	250.595	150.571	0.451	-20.97	21.371	-13.297

11/16/2023@11:40:00.000 PM	78.882	-78.961	69106.102	-0.045	271.407	149.705	0.447	-20.598	21.121	-13.457
11/16/2023@11:50:00.000 PM	72.831	-75.514	69070.391	-0.031	269.899	156.493	0.307	-14.649	14.617	-12.5
11/17/2023@12:00:00.000 AM	82.825	-80.337	69153.25	-0.033	364.05	160.364	0.434	-19.933	19.776	-12.117
11/17/2023@12:10:00.000 AM	79.846	-73.733	69212.031	-0.042	300.375	155.078	0.454	-18.768	20.526	-13.554
11/17/2023@12:20:00.000 AM	76.336	-73.542	68835.117	-0.081	350.597	150.923	0.449	-17.207	20.314	-12.024
11/17/2023@12:30:00.000 AM	77.084	-72.76	68877.438	-0.057	308.706	152.343	0.443	-17.217	19.892	-11.839
11/17/2023@12:40:00.000 AM	77.084	-74.693	68984.383	-0.093	404.403	152.499	0.444	-16.973	19.885	-11.376
11/17/2023@12:50:00.000 AM	83.362	-73.771	69103.828	-0.062	359.663	154.792	0.432	-16.093	19.288	-11.545
11/17/2023@01:00:00.000 AM	83.362	-75.346	69286.594	-0.066	286.424	145.984	0.431	-17.987	19.708	-11.959
11/17/2023@01:10:00.000 AM	80.562	-73.304	69178.539	-0.069	258.337	141.146	0.441	-18.477	20.373	-12.701
11/17/2023@01:20:00.000 AM	80.562	-73.646	69197.953	-0.07	304.045	147.977	0.447	-17.803	20.312	-12.267
11/17/2023@01:30:00.000 AM	79.285	-76.633	69240.625	-0.063	248.269	142.002	0.449	-17.467	20.636	-12.503
11/17/2023@01:40:00.000 AM	72.831	-73.748	69388.523	-0.073	237.346	138.111	0.458	-19.078	21.072	-13.159
11/17/2023@01:50:00.000 AM	86.882	-76.421	69390.648	-0.068	242.449	137.109	0.442	-19.007	20.549	-12.843
11/17/2023@02:00:00.000 AM	80.562	-73.228	69409.883	-0.091	267.693	136.333	0.436	-19.469	20.316	-12.902
11/17/2023@02:10:00.000 AM	84.047	-74.512	69507.422	-0.058	246.491	142.886	0.448	-19.985	20.551	-13.587

11/17/2023@02:20:00.000 AM	79.846	-73.963	69590.602	-0.061	251.002	142.825	0.41	-18.819	19.199	-13.117
11/17/2023@02:30:00.000 AM	87.54	-73.936	69742.945	-0.057	264.338	144.835	0.413	-19.187	19.162	-13.257
11/17/2023@02:40:00.000 AM	77.084	-74.578	69806.313	-0.062	245.973	142.118	0.422	-21.195	19.649	-14.178
11/17/2023@02:50:00.000 AM	80.562	-71.062	69786.492	-0.11	390.659	147.325	0.431	-20.442	19.677	-13.778
11/17/2023@03:00:00.000 AM	77.988	-68.873	69859.273	-0.057	281.281	149.31	0.414	-21.777	19.237	-13.893
11/17/2023@03:10:00.000 AM	79.285	-78.21	69716.172	-0.044	261.525	148.716	0.425	-19.637	19.603	-13.562
11/17/2023@03:20:00.000 AM	79.285	-78.408	69807.188	-0.063	234.943	139.04	0.419	-21.379	19.812	-14.136
11/17/2023@03:30:00.000 AM	87.54	-75.71	69793.836	-0.035	219.25	144.677	0.416	-21.129	19.537	-13.564
11/17/2023@03:40:00.000 AM	80.562	-73.5	70169.117	-0.053	217.205	138.602	0.424	-24.688	20.109	-15.479
11/17/2023@03:50:00.000 AM	79.846	-73.679	70125.414	-0.032	195.224	143.682	0.436	-22.899	20.552	-15.059
11/17/2023@04:00:00.000 AM	85.997	-79.847	70265.523	-0.027	189.792	142.384	0.428	-23.692	20.261	-15.374
11/17/2023@04:10:00.000 AM	97.006	-77.217	70241.203	-0.072	339.229	147.563	0.457	-25.292	21.113	-15.926
11/17/2023@04:20:00.000 AM	79.846	-74.607	70238.867	-0.075	301.392	146.094	0.454	-24.339	20.684	-14.69
11/17/2023@04:30:00.000 AM	82.825	-76.763	70176	-0.08	255.333	136.191	0.446	-25.038	20.725	-15.06
11/17/2023@04:40:00.000 AM	83.362	-74.668	70087.586	-0.08	248.269	134.178	0.452	-24.941	21.215	-15.658
11/17/2023@04:50:00.000 AM	87.54	-73.042	70376.469	-0.045	214.755	140.452	0.428	-24.276	19.98	-15.009

11/17/2023@05:00:00.000 AM	80.562	-72.409	70305.008	-0.062	295.172	148.746	0.431	-23.632	19.995	-14.752
11/17/2023@05:10:00.000 AM	77.084	-71.294	70477.25	-0.045	197.011	140.242	0.428	-23.711	19.942	-15.087
11/17/2023@05:20:00.000 AM	82.825	-78.589	70474.883	-0.06	253.755	143.041	0.44	-25.034	20.536	-15.745
11/17/2023@05:30:00.000 AM	83.362	-75.975	70558.688	-0.059	224.735	137.426	0.421	-24.107	19.779	-14.769
11/17/2023@05:40:00.000 AM	77.988	-70.257	70714.359	-0.085	257.595	135.75	0.409	-23.994	19.067	-14.684
11/17/2023@05:50:00.000 AM	80.562	-73.624	70599.438	-0.062	248.731	142.494	0.407	-23.488	18.965	-14.581
11/17/2023@06:00:00.000 AM	77.084	-72.528	70511.18	-0.058	336.966	154.661	0.424	-22.715	19.427	-14.645
11/17/2023@06:10:00.000 AM	76.336	-75.077	70580.234	-0.059	301.307	150.543	0.427	-23.43	19.478	-14.809
11/17/2023@06:20:00.000 AM	83.362	-76.59	70495.719	-0.039	232.872	146.614	0.442	-23.629	20.456	-14.808
11/17/2023@06:30:00.000 AM	84.047	-74.655	70496.68	-0.029	281.099	156.185	0.415	-22.624	19.102	-14.516
11/17/2023@06:40:00.000 AM	79.846	-76.388	70564.008	-0.026	297.302	158.436	0.417	-22.498	19.184	-14.788
11/17/2023@06:50:00.000 AM	83.362	-74.45	70675.469	-0.012	191.165	150.38	0.419	-24.094	19.738	-15.989
11/17/2023@07:00:00.000 AM	79.846	-76.138	70612.945	-0.017	212.607	152.41	0.431	-23.981	20.379	-15.358
11/17/2023@07:10:00.000 AM	75.749	-75.628	70451.094	-0.097	241.658	127.622	0.444	-24.547	20.838	-15.562
11/17/2023@07:20:00.000 AM	83.362	-74.159	70323.977	-0.057	235.16	140.926	0.424	-23.725	20.084	-15.366
11/17/2023@07:30:00.000 AM	89.911	-79.245	70176.234	-0.023	198.559	144.508	0.442	-23.836	20.78	-15.514

11/17/2023@07:40:00.000 AM	79.846	-75.655	70331.258	-0.077	272.882	140.725	0.44	-24.577	20.502	-15.43
11/17/2023@07:50:00.000 AM	83.362	-75.236	70037.922	-0.114	394.944	146.448	0.466	-23.837	21.253	-15.012
11/17/2023@08:00:00.000 AM	78.882	-79.68	70177.172	-0.077	278.891	142.215	0.479	-25.001	22.484	-15.163
11/17/2023@08:10:00.000 AM	84.047	-74.466	70059.734	-0.045	250.722	146.795	0.455	-22.531	21.312	-14.321
11/17/2023@08:20:00.000 AM	83.362	-77.386	69864.977	-0.096	316.437	141.221	0.458	-22.383	21.085	-14.252
11/17/2023@08:30:00.000 AM	83.362	-75.973	69800.156	-0.074	317.984	147.351	0.465	-21.802	21.4	-14.081
11/17/2023@08:40:00.000 AM	76.336	-73.879	69708.188	-0.049	245.74	146.957	0.477	-22.792	21.997	-15.061
11/17/2023@08:50:00.000 AM	78.882	-79.514	69439.805	-0.037	259.101	153.242	0.47	-21.688	21.612	-14.938
11/17/2023@09:00:00.000 AM	75.749	-77.831	69429.906	-0.053	264.458	148.387	0.448	-19.855	20.655	-13.61
11/17/2023@09:10:00.000 AM	75.749	-77.1	69345.375	-0.094	382.329	150.472	0.448	-18.486	20.243	-13.119
11/17/2023@09:20:00.000 AM	86.882	-74.716	69162.164	-0.04	265.421	150.039	0.428	-18.238	19.432	-12.969
11/17/2023@09:30:00.000 AM	91.806	-70.874	69202.609	-0.04	273.349	150.557	0.436	-18.901	19.873	-12.585
11/17/2023@09:40:00.000 AM	80.562	-71.775	68817.969	-0.069	423.486	158.039	0.456	-17.652	20.264	-11.669
11/17/2023@09:50:00.000 AM	84.047	-75.23	68872.734	-0.063	293.156	147.683	0.447	-18.714	20.103	-12.255
11/17/2023@10:00:00.000 AM	83.362	-75.645	69170.875	-0.086	265.229	135.333	0.424	-22.749	19.936	-12.974
11/17/2023@10:10:00.000 AM	86.367	-79.522	68577.531	-0.07	408.841	155.921	0.39	-25.161	20.198	-12.261

11/17/2023@10:20:00.000 AM	93.458	-78.244	68443.852	-0.033	328.982	156.951	0.408	-26.168	21.161	-12.163
11/17/2023@10:30:00.000 AM	88.337	-71.41	68458.289	-0.046	307.423	152.982	0.398	-28.506	20.313	-10.991
11/17/2023@10:40:00.000 AM	82.825	-75.564	68061.68	-0.061	439.444	159.947	0.412	-28.778	20.487	-11.548
11/17/2023@10:50:00.000 AM	84.878	-71.473	67848.109	-0.067	351.686	153.229	0.413	-28.296	20.948	-11.094
11/17/2023@11:00:00.000 AM	84.878	-71.797	68265.461	-0.04	247.6	148.744	0.416	-32.599	20.885	-12.174
11/17/2023@11:10:00.000 AM	82.825	-76.55	67986.227	-0.041	283.538	153.224	0.422	-29.548	20.997	-11.676
11/17/2023@11:20:00.000 AM	90.406	-76.23	67899.781	0.016	249.575	164.413	0.397	-29.588	20.851	-11.708
11/17/2023@11:30:00.000 AM	89.556	-79.476	67663.055	-0.044	327.759	154.756	0.413	-30.719	21.608	-12.413
11/17/2023@11:40:00.000 AM	85.997	-79.856	67886.867	-0.033	247.6	150.542	0.419	-28.687	21.401	-12.083
11/17/2023@11:50:00.000 AM	82.825	-78.067	67682.398	-0.077	368.073	151.976	0.311	-31.587	16.571	-16.059
11/17/2023@12:00:00.000 PM	86.882	-76.33	67635.211	-0.011	281.349	159.628	0.405	-30.002	21.258	-12.155
11/17/2023@12:10:00.000 PM	89.911	-78.815	67713.07	-0.046	245.947	157.992	0.417	-32.243	21.495	-12.608
11/17/2023@12:20:00.000 PM	79.285	-75.665	67645.445	-0.052	278.296	150.783	0.424	-31.098	21.892	-12.093
11/17/2023@12:30:00.000 PM	89.911	-78.687	67460.953	-0.049	341.775	155.153	0.414	-29.782	21.617	-11.903
11/17/2023@12:40:00.000 PM	84.047	-74.45	67759.258	-0.036	256.006	151.735	0.42	-30.013	21.265	-12.016
11/17/2023@12:50:00.000 PM	91.039	-74.845	67632.18	-0.002	229.979	157.061	0.393	-27.033	20.586	-10.865

11/17/2023@01:00:00.000 PM	84.047	-72.754	67855.664	-0.035	216.411	145.274	0.387	-28.046	20.313	-11.545
11/17/2023@01:10:00.000 PM	86.367	-76.187	67691.781	-0.046	327.759	154.821	0.375	-27.903	19.599	-11.239
11/17/2023@01:20:00.000 PM	91.039	-75.111	67646.547	-0.019	202.154	146.317	0.362	-27.427	19.68	-11.374
11/17/2023@01:30:00.000 PM	90.406	-75.301	67882.453	-0.052	267.145	146.412	0.357	-26.933	18.934	-10.863
11/17/2023@01:40:00.000 PM	91.039	-72.911	67845.086	-0.078	234.264	131.095	0.358	-26.971	19.181	-9.913
11/17/2023@01:50:00.000 PM	87.54	-73.179	67669.414	-0.034	210.8	144.111	0.35	-27.573	19.031	-9.465
11/17/2023@02:00:00.000 PM	94.879	-65.606	67936.93	-0.029	227.891	148.264	0.368	-30.037	19.491	-10.923
11/17/2023@02:10:00.000 PM	82.439	-68.727	67735.523	-0.061	334.001	153.483	0.362	-31.964	18.864	-10.065
11/17/2023@02:20:00.000 PM	86.882	-73.575	67654.625	-0.081	337.098	147.819	0.347	-27.909	18.651	-9.803
11/17/2023@02:30:00.000 PM	87.54	-73.697	68099.242	-0.043	209.708	140.264	0.355	-29.891	18.682	-10.105
11/17/2023@02:40:00.000 PM	87.54	-74.504	67986.531	-0.029	179.29	138.475	0.356	-30.146	18.88	-9.842
11/17/2023@02:50:00.000 PM	80.562	-71.527	67928.539	-0.056	227.751	141.428	0.391	-31.736	20.382	-10.848
11/17/2023@03:00:00.000 PM	91.039	-72.488	67832.438	-0.04	207.108	139.63	0.392	-32.551	20.304	-10.685
11/17/2023@03:10:00.000 PM	95.282	-73.252	67702.836	-0.048	204.662	134.501	0.409	-35.42	21.259	-11.209
11/17/2023@03:20:00.000 PM	92.704	-70.899	67571.367	-0.139	474.491	148.08	0.432	-37.059	21.337	-12.403
11/17/2023@03:30:00.000 PM	100.998	-76.089	67788.695	-0.047	247.652	142.168	0.438	-36.084	22.095	-12.251

11/17/2023@03:40:00.000 PM	72.831	-75.294	67579.773	-0.094	229.979	128.634	0.362	-34.999	21.165	-11.101
11/17/2023@03:50:00.000 PM	87.54	-72.349	67552.781	-0.063	315.953	149.999	0.402	-24.74	20.578	-11.129
11/17/2023@04:00:00.000 PM	86.955	-65.142	67927.438	-0.108	228.812	116.791	0.435	-22.91	20.732	-11.74
11/17/2023@04:10:00.000 PM	84.047	-74.525	67950.398	-0.131	265.133	117.655	0.446	-25.219	21.49	-12.241
11/17/2023@04:20:00.000 PM	84.878	-68.152	67987.766	-0.129	238.204	107.11	0.434	-23.727	21.409	-12.128
11/17/2023@04:30:00.000 PM	102.813	-66.066	68043.016	-0.087	237.722	124.365	0.488	-26.755	21.522	-12.465
11/17/2023@04:40:00.000 PM	86.955	-67.326	68050.359	-0.115	214.992	97.206	0.411	-22.01	20.147	-11.22
11/17/2023@04:50:00.000 PM	77.988	-69.399	68006.023	-0.109	215.821	108.485	0.408	-23.562	20.223	-11.232
11/17/2023@05:00:00.000 PM	84.878	-71.126	67889.078	-0.067	171.994	87.385	0.412	-22.973	20.429	-11.631
11/17/2023@05:10:00.000 PM	80.244	-63.497	67889.852	-0.153	344.728	132.577	0.432	-23.762	20.714	-11.811
11/17/2023@05:20:00.000 PM	83.591	-64.047	67900.109	-0.062	146.578	96.789	0.441	-24.752	21.89	-12.346
11/17/2023@05:30:00.000 PM	91.806	-70.814	67813.156	-0.078	177.287	85.691	0.449	-25.275	21.973	-12.006
11/17/2023@05:40:00.000 PM	100.555	-67.313	67741.664	-0.021	131.686	105.407	0.424	-23.249	21.187	-12.038
11/17/2023@05:50:00.000 PM	89.271	-68.71	67690.867	-0.097	196.525	93.927	0.42	-22.739	21.03	-11.401
11/17/2023@06:00:00.000 PM	85.849	-69.622	67776.805	-0.126	243.236	95.458	0.415	-22.484	20.42	-10.74
11/17/2023@06:10:00.000 PM	81.427	-71.685	67625.078	-0.137	269.899	118.184	0.42	-19.87	20.51	-10.554

11/17/2023@06:20:00.000 PM	82.439	-68.76	67863.375	-0.12	214.992	96.642	0.407	-21.205	20.114	-11.428
11/17/2023@06:30:00.000 PM	85.849	-63.58	67790.539	-0.147	263.396	109.649	0.398	-21.03	19.895	-11.224
11/17/2023@06:40:00.000 PM	88.337	-71.266	68120.211	-0.055	152.671	104.414	0.404	-21.037	20.122	-11.443
11/17/2023@06:50:00.000 PM	73.615	-71.221	68072.43	-0.149	236.997	100.125	0.412	-21.084	19.657	-10.962
11/17/2023@07:00:00.000 PM	79.044	-65.85	67816.258	-0.126	229.702	106.005	0.412	-20.678	20.628	-11.522
11/17/2023@07:10:00.000 PM	80.562	-71.944	67838.719	-0.131	232.214	95.26	0.401	-20.478	20.379	-11.272
11/17/2023@07:20:00.000 PM	84.878	-68.384	67878.477	-0.097	190.094	88.838	0.392	-20.141	20.121	-11.319
11/17/2023@07:30:00.000 PM	88.337	-71.712	67770.172	-0.125	238.204	104.874	0.407	-19.558	20.566	-11.777
11/17/2023@07:40:00.000 PM	82.439	-70.07	67954.914	-0.117	236.781	114.494	0.407	-18.155	20.463	-11.037
11/17/2023@07:50:00.000 PM	81.427	-73.347	67893.961	-0.084	184.339	101.946	0.404	-17.741	20.234	-11.473
11/17/2023@08:00:00.000 PM	84.047	-71.504	67929.125	-0.134	251.179	109.011	0.396	-18.85	20.046	-10.649
11/17/2023@08:10:00.000 PM	88.337	-70.778	68144.219	-0.095	201.016	105.581	0.398	-19.739	19.96	-11.383
11/17/2023@08:20:00.000 PM	84.047	-71.879	68124.477	-0.155	322.128	125.381	0.398	-19.875	20.009	-11.786
11/17/2023@08:30:00.000 PM	88.337	-71.175	68288.359	-0.11	229.229	112.378	0.401	-20.122	20.112	-12.064
11/17/2023@08:40:00.000 PM	82.439	-68.617	68235.281	-0.128	302.258	131.171	0.413	-19.888	20.473	-11.406
11/17/2023@08:50:00.000 PM	97.137	-67.982	68468.141	-0.101	223.683	110.125	0.406	-21.31	20.655	-12.299

11/17/2023@09:00:00.000 PM	91.806	-71.755	68280.539	-0.126	276.434	121.624	0.409	-20.478	20.49	-11.978
11/17/2023@09:10:00.000 PM	84.878	-71.474	68404.031	-0.132	247.729	106.784	0.399	-21.743	20.341	-12.445
11/17/2023@09:20:00.000 PM	88.337	-71.351	68494.109	-0.14	304.36	124.823	0.4	-20.797	19.859	-12.202
11/17/2023@09:30:00.000 PM	87.54	-72.752	68531.82	-0.09	211.525	115.001	0.401	-19.861	20.07	-11.795
11/17/2023@09:40:00.000 PM	84.047	-72.126	68589.844	-0.064	195.354	122.933	0.398	-20.36	20.122	-11.853
11/17/2023@09:50:00.000 PM	89.271	-69.529	68593.258	-0.104	243.158	121.494	0.391	-19.192	19.725	-11.058
11/17/2023@10:00:00.000 PM	96.148	-69.108	68553.617	-0.088	264.964	130.319	0.401	-20.276	19.907	-11.434
11/17/2023@10:10:00.000 PM	93.934	-74.149	68811.367	-0.097	228.812	117.413	0.393	-21.266	20.025	-12.071
11/17/2023@10:20:00.000 PM	79.846	-74.942	68827.148	-0.102	223.712	118.298	0.37	-28.856	19.633	-11.779
11/17/2023@10:30:00.000 PM	87.54	-73.174	68811.359	-0.109	271.477	127.963	0.402	-22.818	20.363	-12.39
11/17/2023@10:40:00.000 PM	91.039	-74.66	68823.078	-0.092	270.748	133.488	0.407	-22.442	20.077	-12.324
11/17/2023@10:50:00.000 PM	104.107	-62.708	68853.914	-0.087	316.114	141.776	0.345	-20.061	19.733	-12.242
11/17/2023@11:00:00.000 PM	89.556	-63.935	68933.859	-0.004	123.749	137.302	0.386	-21.323	19.6	-11.214
11/17/2023@11:10:00.000 PM	96.148	-71.241	68688.68	-0.042	204.537	136.932	0.392	-22.543	19.844	-12.484
11/17/2023@11:20:00.000 PM	94.543	-74.653	69058.219	-0.035	217.674	142.65	0.412	-23.575	20.726	-12.818
11/17/2023@11:30:00.000 PM	99.6	-72.966	68945.219	-0.098	323.352	138.832	0.412	-21.473	20.241	-13.044

11/17/2023@11:40:00.000 PM	103.06	-70.9	68968.906	-0.049	225.076	135.66	0.407	-22.881	20.359	-12.719
11/17/2023@11:50:00.000 PM	96.148	-68.935	69450.789	-0.089	300.481	138.998	0.409	-21.787	19.817	-12.924
11/18/2023@12:00:00.000 AM	97.137	-67.635	68998.094	-0.07	260.181	137.593	0.398	-20.754	19.567	-12.419
11/18/2023@12:10:00.000 AM	88.337	-69.934	68907.164	-0.08	270.182	138.424	0.416	-21.803	20.245	-12.816
11/18/2023@12:20:00.000 AM	103.06	-72.249	68982.203	-0.075	265.709	134.609	0.417	-21.455	20.403	-12.52
11/18/2023@12:30:00.000 AM	120.459	-74.697	68982.609	-0.126	309.84	120.096	0.44	-17.07	20.609	-12.795
11/18/2023@12:40:00.000 AM	95.282	-72.618	68993.43	-0.066	205.16	123.032	0.4	-22.408	20.164	-12.592
11/18/2023@12:50:00.000 AM	88.337	-69.992	69358.18	-0.062	192.295	124.851	0.419	-26.514	20.831	-14.656
11/18/2023@01:00:00.000 AM	88.337	-70.7	69227.156	-0.104	267.812	128.98	0.418	-24.781	20.701	-14.034
11/18/2023@01:10:00.000 AM	84.878	-69.224	69422.477	-0.119	353.638	140.518	0.429	-25.297	20.766	-14.281
11/18/2023@01:20:00.000 AM	93.73	-69.661	68915.617	-0.222	625.629	145.612	0.44	-24.37	20.52	-12.486
11/18/2023@01:30:00.000 AM	99.6	-71.961	69521.266	-0.122	311.38	129.029	0.417	-25.368	20.438	-13.445
11/18/2023@01:40:00.000 AM	94.543	-73.117	69655.047	-0.083	247.832	130.162	0.417	-26.403	20.692	-14.153
11/18/2023@01:50:00.000 AM	103.06	-71.645	69893.383	-0.106	301.751	131.33	0.422	-27.048	20.71	-14.372
11/18/2023@02:00:00.000 AM	93.73	-67.824	69850.836	-0.081	233.746	127.705	0.42	-27.974	21.232	-15.09
11/18/2023@02:10:00.000 AM	99.6	-71.153	69769.367	-0.057	168.095	105.486	0.424	-29.114	21.054	-14.988

11/18/2023@02:20:00.000 AM	91.806	-71.08	69958.477	-0.089	271.125	133.891	0.405	-27.218	20.217	-14.236
11/18/2023@02:30:00.000 AM	91.039	-71.912	69976.813	-0.081	295.69	141.377	0.396	-26.511	19.667	-13.404
11/18/2023@02:40:00.000 AM	84.047	-73.611	70348.031	-0.092	220.468	118.176	0.388	-28.13	19.689	-14.784
11/18/2023@02:50:00.000 AM	91.039	-75.9	70303.602	-0.117	236.701	103.007	0.411	-29.509	20.854	-14.957
11/18/2023@03:00:00.000 AM	88.337	-72.858	70531.859	-0.05	197.529	132.27	0.403	-29.221	20.436	-15.503
11/18/2023@03:10:00.000 AM	88.337	-73.796	70424.305	-0.054	283.246	148.064	0.419	-28.478	20.635	-15.643
11/18/2023@03:20:00.000 AM	93.73	-68.577	70353.906	-0.097	264.964	129.892	0.415	-30.191	20.643	-16.048
11/18/2023@03:30:00.000 AM	96.148	-69.976	70669.672	-0.081	227.218	123.619	0.416	-30.827	20.837	-15.979
11/18/2023@03:40:00.000 AM	95.282	-71.804	70738.125	-0.035	132.314	96.232	0.395	-29.873	20.314	-14.879
11/18/2023@03:50:00.000 AM	98.764	-72.259	70580.125	-0.076	345.781	147.587	0.41	-28.71	20.15	-14.957
11/18/2023@04:00:00.000 AM	90.406	-74.985	70632.297	-0.087	318.505	133.616	0.415	-29.302	20.504	-15.348
11/18/2023@04:10:00.000 AM	93.73	-68.034	70486.977	-0.089	257.125	130.543	0.417	-28.294	20.377	-14.84
11/18/2023@04:20:00.000 AM	89.271	-67.879	70460.969	-0.086	265.709	134.765	0.412	-27.927	20.084	-14.224
11/18/2023@04:30:00.000 AM	96.148	-69.479	70779.891	-0.07	207.754	122.772	0.398	-28.625	19.544	-14.688
11/18/2023@04:40:00.000 AM	87.54	-74.61	70495.539	-0.101	218.288	107.504	0.393	-28.46	19.52	-14.211
11/18/2023@04:50:00.000 AM	94.543	-75.879	70749.836	-0.032	141.262	112.716	0.406	-29.391	20.012	-15.089

11/18/2023@05:00:00.000 AM	87.54	-72.902	70677.109	-0.122	265.133	118.684	0.427	-30.598	20.989	-16.275
11/18/2023@05:10:00.000 AM	93.73	-67.771	70663.008	-0.05	184.305	127.529	0.438	-30.01	21.347	-16.02
11/18/2023@05:20:00.000 AM	94.543	-72.817	70626.063	-0.036	165.418	126.422	0.437	-30.794	21.606	-16.613
11/18/2023@05:30:00.000 AM	87.54	-74.2	70897.203	-0.063	268.834	142.786	0.446	-31.489	21.463	-16.943
11/18/2023@05:40:00.000 AM	91.806	-72.584	70912.477	-0.081	218.872	120.874	0.436	-32.145	21.313	-17.188
11/18/2023@05:50:00.000 AM	98.052	-76.252	71020.602	-0.085	273.443	132.878	0.443	-32.302	21.4	-16.798
11/18/2023@06:00:00.000 AM	94.543	-75.202	70808.844	-0.127	298.266	123.968	0.422	-30.186	20.739	-15.873
11/18/2023@06:10:00.000 AM	97.137	-70.273	70900.328	-0.093	265.685	128.471	0.45	-31.779	21.807	-16.705
11/18/2023@06:20:00.000 AM	86.955	-67.354	70772.922	-0.148	328.827	126.813	0.449	-31.206	21.767	-16.494
11/18/2023@06:30:00.000 AM	90.406	-77.404	70848.078	-0.166	394.944	131.759	0.443	-32.486	21.234	-16.757
11/18/2023@06:40:00.000 AM	87.54	-75.07	70817.453	-0.121	290.205	126.194	0.414	-31.761	20.636	-16.456
11/18/2023@06:50:00.000 AM	93.934	-74.58	70936.539	-0.114	269.923	121.762	0.423	-32.231	20.867	-16.293
11/18/2023@07:00:00.000 AM	94.543	-76.186	70907.945	-0.091	273.862	132.016	0.426	-32.136	20.876	-16.725
11/18/2023@07:10:00.000 AM	92.704	-71.922	70622.852	-0.114	409.293	145.95	0.438	-30.736	21.192	-15.815
11/18/2023@07:20:00.000 AM	85.849	-68.45	70759.742	-0.098	251.585	127.097	0.405	-28.583	19.92	-14.836
11/18/2023@07:30:00.000 AM	98.247	-65.388	70513.43	-0.088	266.572	132.853	0.403	-27.058	19.721	-14.307

11/18/2023@07:40:00.000 AM	88.337	-70.603	70525.758	-0.134	328.536	131.702	0.407	-27.643	19.83	-14.503
11/18/2023@07:50:00.000 AM	86.882	-74.908	70354.82	-0.097	335.829	138.517	0.416	-28.583	20.106	-14.973
11/18/2023@08:00:00.000 AM	84.047	-74.898	70518.477	-0.108	274.977	129.716	0.408	-28.33	20.242	-14.821
11/18/2023@08:10:00.000 AM	84.878	-71.08	70269.039	-0.118	409.293	146.677	0.427	-27.527	20.438	-15.128
11/18/2023@08:20:00.000 AM	81.427	-67.489	70230.156	-0.121	258.707	120.38	0.42	-28.041	20.684	-14.83
11/18/2023@08:30:00.000 AM	84.047	-71.753	70171.023	-0.084	251.002	133.424	0.402	-28.005	20.569	-14.634
11/18/2023@08:40:00.000 AM	84.047	-75.109	70086.336	-0.054	265.685	145.905	0.401	-28.058	20.208	-14.408
11/18/2023@08:50:00.000 AM	87.54	-74.876	69864.984	-0.055	245.558	142.188	0.401	-24.35	20.046	-13.011
11/18/2023@09:00:00.000 AM	91.806	-70.637	69775.375	0.003	165.418	150.598	0.394	-24.178	19.886	-13.101
11/18/2023@09:10:00.000 AM	88.337	-70.486	69542.289	-0.099	281.19	133.722	0.392	-24.368	19.829	-12.761
11/18/2023@09:20:00.000 AM	91.039	-74.646	69547.492	-0.087	309.078	141.143	0.394	-25.151	19.62	-12.542
11/18/2023@09:30:00.000 AM	88.337	-73.034	69298.789	-0.107	268.573	127.509	0.389	-29.095	19.694	-12.471
11/18/2023@09:40:00.000 AM	90.336	-69.336	69121.305	-0.072	257.744	138.442	0.374	-28.835	19.211	-11.454
11/18/2023@09:50:00.000 AM	91.039	-73.923	68846.578	-0.109	323.549	136.053	0.377	-26.729	19.138	-10.264
11/18/2023@10:00:00.000 AM	96.148	-70.528	68734.867	-0.067	244.934	135.929	0.367	-26.058	18.945	-10.088
11/18/2023@10:10:00.000 AM	97.465	-76.467	68846.586	-0.075	231.747	127.926	0.367	-27.959	19.359	-10.859

11/18/2023@10:20:00.000 AM	91.039	-73.635	68899.297	-0.086	209.587	116.818	0.381	-30.455	20.086	-12.136
11/18/2023@10:30:00.000 AM	102.253	-73.353	68382.219	-0.085	250.722	128.016	0.375	-29.389	19.739	-11.306
11/18/2023@10:40:00.000 AM	92.704	-68.451	68614.898	-0.07	198.076	121.472	0.398	-28.236	20.651	-11.475
11/18/2023@10:50:00.000 AM	97.006	-78.213	68434.953	-0.065	191.797	117.77	0.38	-28.343	20.026	-11.306
11/18/2023@11:00:00.000 AM	83.362	-76.397	68529.992	-0.076	199.775	120.456	0.392	-28.839	20.327	-11.141
11/18/2023@11:10:00.000 AM	94.543	-74.01	68604.57	-0.062	184.339	115.987	0.392	-32.548	20.281	-11.821
11/18/2023@11:20:00.000 AM	85.849	-70.388	68438.672	-0.083	229.257	129.134	0.402	-31.342	20.583	-12.21
11/18/2023@11:30:00.000 AM	87.54	-75.471	68514.477	-0.07	179.716	112.067	0.41	-31.498	21.106	-12.131
11/18/2023@11:40:00.000 AM	84.878	-69.823	68545.352	-0.063	177.287	119.88	0.403	-30.875	20.64	-11.742
11/18/2023@11:50:00.000 AM	83.362	-76.184	68457.75	-0.063	189.254	125.239	0.404	-31.39	20.686	-11.421
11/18/2023@12:00:00.000 PM	85.997	-79.467	68375.203	-0.085	209.252	118.964	0.411	-30.656	20.775	-11.519
11/18/2023@12:10:00.000 PM	88.337	-71.903	68456.328	-0.074	203.318	123.702	0.423	-32.363	20.619	-11.902
11/18/2023@12:20:00.000 PM	84.878	-69.698	68408.766	-0.058	165.11	114.887	0.424	-32.673	21.078	-11.679
11/18/2023@12:30:00.000 PM	88.337	-72.693	68487.422	-0.083	214.041	122.017	0.429	-33.783	20.934	-11.75
11/18/2023@12:40:00.000 PM	87.54	-73.761	68417.953	-0.086	199.871	111.479	0.427	-35.445	20.565	-11.576
11/18/2023@12:50:00.000 PM	96.148	-70.022	68566.828	-0.103	198.462	101.26	0.442	-39.535	20.747	-11.804

11/18/2023@01:00:00.000 PM	87.54	-73.996	68679.086	-0.099	208.764	106.617	0.468	-40.645	21.055	-12.145
11/18/2023@01:10:00.000 PM	88.337	-72.304	68798.188	-0.05	197.529	132.69	0.467	-39.167	20.787	-11.86
11/18/2023@01:20:00.000 PM	88.337	-69.964	68493.438	-0.05	151.329	112.861	0.447	-37.44	20.574	-11.328
11/18/2023@01:30:00.000 PM	88.337	-68.876	68673.094	-0.094	214.844	115.992	0.447	-39.728	20.287	-11.901
11/18/2023@01:40:00.000 PM	85.849	-67.746	68647.227	-0.051	184.305	127.434	0.472	-40.612	21.134	-13.076
11/18/2023@01:50:00.000 PM	91.039	-74.393	68580.508	-0.071	184.062	110.612	0.473	-41.01	21.435	-13.401
11/18/2023@02:00:00.000 PM	98.247	-65.844	68622.25	-0.079	203.569	116.153	0.47	-41.207	21.025	-13.207
11/18/2023@02:10:00.000 PM	106.168	-65.729	68614.469	-0.078	194.929	101.829	0.468	-39.882	21.462	-13.227
11/18/2023@02:20:00.000 PM	91.806	-71.323	68456.313	-0.113	304.045	133.191	0.437	-36.557	20.454	-11.838
11/18/2023@02:30:00.000 PM	95.282	-72.097	68637.07	0.001	144.122	142.028	0.466	-35.787	20.955	-11.896
11/18/2023@02:40:00.000 PM	89.271	-68.531	68567.086	-0.077	215.91	126.391	0.468	-41.045	20.194	-11.781
11/18/2023@02:50:00.000 PM	88.193	-64.859	68599.75	-0.024	107.184	90.869	0.472	-41.516	20.197	-12.247
11/18/2023@03:00:00.000 PM	86.955	-65.677	68606.711	-0.072	164.413	94.65	0.471	-42.572	20.749	-13.422
11/18/2023@03:10:00.000 PM	84.878	-68.99	68399.203	-0.036	121.88	98.386	0.462	-38.158	21.05	-12.719
11/18/2023@03:20:00.000 PM	86.955	-66.33	68440.117	-0.131	289.215	125.677	0.482	-39.099	21.728	-12.976
11/18/2023@03:30:00.000 PM	100.555	-70.418	68485.156	-0.076	187.358	98.64	0.495	-40.561	22.18	-13.876

11/18/2023@03:40:00.000 PM	99.6	-69.614	68495.406	-0.056	157.117	94.694	0.454	-36.637	21.627	-13.647
11/18/2023@03:50:00.000 PM	107.659	-79.238	68542.68	-0.04	150.653	88.254	0.44	-34.27	21.688	-13.811
11/18/2023@04:00:00.000 PM	98.764	-73.563	68357.367	-0.032	132.314	95.109	0.467	-35.938	22.237	-13.62
11/18/2023@04:10:00.000 PM	119.716	-67.536	68598.555	-0.111	250.773	111.562	0.452	-34.914	21.135	-13.278
11/18/2023@04:20:00.000 PM	84.652	-56.147	68604.477	-0.096	186.915	99.885	0.478	-42.227	20.5	-12.853
11/18/2023@04:30:00.000 PM	91.806	-72.607	68541.406	-0.103	237.963	119.151	0.46	-37.135	21.06	-13.131
11/18/2023@04:40:00.000 PM	95.282	-71.542	68535.547	-0.016	118.7	114.03	0.419	-34.936	21.216	-13.911
11/18/2023@04:50:00.000 PM	85.849	-66.925	68506.102	-0.035	155.69	130.093	0.445	-33.152	21.787	-13.486
11/18/2023@05:00:00.000 PM	87.54	-73.216	68584.164	-0.061	158.128	100.521	0.436	-32.563	21.136	-13.268
11/18/2023@05:10:00.000 PM	83.591	-64.544	68694.828	-0.071	166.149	102.549	0.424	-33.949	20.654	-13.494
11/18/2023@05:20:00.000 PM	91.039	-73.014	68601.141	-0.082	219.25	123.692	0.437	-31.809	20.725	-13.491
11/18/2023@05:30:00.000 PM	81.427	-69.305	68453.875	-0.082	238.685	132.609	0.444	-30.637	21.352	-12.941
11/18/2023@05:40:00.000 PM	89.271	-69.408	68695.039	-0.076	267.693	139.107	0.463	-32.419	21.781	-13.819
11/18/2023@05:50:00.000 PM	89.271	-69.134	68553.211	-0.065	165.418	106.088	0.432	-31.959	21.302	-13.817
11/18/2023@06:00:00.000 PM	91.806	-71.133	68667.102	-0.056	164.878	112.194	0.413	-29.488	20.491	-12.921
11/18/2023@06:10:00.000 PM	84.047	-72.318	68569.086	-0.053	191.797	118.01	0.413	-27.443	20.552	-12.268

11/18/2023@06:20:00.000 PM	82.439	-68.333	68521.289	-0.145	318.905	126.06	0.438	-28.622	21.43	-12.541
11/18/2023@06:30:00.000 PM	84.878	-70.693	68650.727	-0.065	159.092	102.072	0.419	-29.337	20.963	-13.102
11/18/2023@06:40:00.000 PM	88.337	-71.882	68720.813	-0.083	189.792	105.291	0.411	-27.736	20.867	-12.908
11/18/2023@06:50:00.000 PM	85.849	-69.676	68686.844	-0.039	133.417	106.949	0.434	-28.99	22.03	-13.595
11/18/2023@07:00:00.000 PM	90.336	-68.571	68737.828	-0.063	182.112	119.602	0.431	-28.709	21.505	-13.484
11/18/2023@07:10:00.000 PM	91.039	-72.707	68599.117	-0.09	245.038	111.728	0.445	-30.696	21.792	-13.472
11/18/2023@07:20:00.000 PM	88.337	-71.517	68611	-0.134	271.594	117.462	0.43	-27.715	21.675	-12.91
11/18/2023@07:30:00.000 PM	86.882	-74.679	68415.055	-0.087	238.712	128.691	0.449	-28.423	22.624	-13.169
11/18/2023@07:40:00.000 PM	94.543	-72.755	68581.039	-0.083	212.487	118.377	0.416	-27.986	21.287	-13.023
11/18/2023@07:50:00.000 PM	94.543	-72.743	68483.773	-0.123	255.208	112.801	0.419	-28.67	21.552	-13.244
11/18/2023@08:00:00.000 PM	103.8	-81.483	68606.68	-0.109	274.745	122.253	0.479	-31.288	22.366	-13.551
11/18/2023@08:10:00.000 PM	93.116	-78.938	68605.281	-0.096	251.129	124.643	0.441	-30.102	22.611	-13.292
11/18/2023@08:20:00.000 PM	80.562	-71.908	68540.961	-0.108	239.539	120.61	0.417	-28.36	21.375	-13.273
11/18/2023@08:30:00.000 PM	84.878	-70.307	68541.766	-0.111	293.981	134.253	0.428	-29.018	21.602	-13.056
11/18/2023@08:40:00.000 PM	91.806	-71.193	68563.805	-0.106	256.006	123.43	0.432	-28.369	22.023	-13.258
11/18/2023@08:50:00.000 PM	84.878	-71.18	68713.672	-0.089	244.96	129.926	0.431	-26.104	21.616	-13.435

11/18/2023@09:00:00.000 PM	81.427	-69.599	68579.625	-0.096	237.722	126.849	0.427	-26.211	21.78	-12.857
11/18/2023@09:10:00.000 PM	87.54	-71.607	68803.18	-0.094	211.163	113.093	0.423	-26.424	21.5	-13.064
11/18/2023@09:20:00.000 PM	95.282	-73.04	68651.836	-0.071	175.879	98.841	0.42	-24.156	21.667	-11.876
11/18/2023@09:30:00.000 PM	85.849	-69.974	68742.734	-0.071	186.847	116.883	0.391	-24.218	20.391	-11.967
11/18/2023@09:40:00.000 PM	84.047	-71.163	68784.258	-0.077	186.403	114.154	0.408	-25.127	20.849	-12.767
11/18/2023@09:50:00.000 PM	86.882	-75.597	68752.156	-0.11	271.477	128.002	0.427	-26.631	21.807	-12.96
11/18/2023@10:00:00.000 PM	88.337	-71.569	68724.742	-0.083	201.618	116.381	0.43	-26.555	21.967	-12.753
11/18/2023@10:10:00.000 PM	91.806	-71.276	68786.945	-0.09	206.646	111.455	0.455	-31.411	21.405	-13.532
11/18/2023@10:20:00.000 PM	82.825	-76.646	68522.008	-0.148	277.929	113.418	0.433	-24.189	21.521	-13.23
11/18/2023@10:30:00.000 PM	93.73	-69.23	68521.82	-0.149	281.19	110.056	0.419	-21.701	21.05	-12.964
11/18/2023@10:40:00.000 PM	81.427	-70.222	68482.938	-0.149	307.423	124.112	0.456	-27.218	22.694	-14.13
11/18/2023@10:50:00.000 PM	77.084	-72.044	68677.523	-0.148	255.633	104.299	0.457	-26.119	22.41	-13.526
11/18/2023@11:00:00.000 PM	99.472	-65.164	68506.914	-0.048	163.168	115.3	0.448	-20.887	21.24	-13.209
11/18/2023@11:10:00.000 PM	87.54	-71.27	68633.016	-0.106	222.684	110.15	0.438	-24.903	21.899	-13.993
11/18/2023@11:20:00.000 PM	84.878	-69.09	68676.922	-0.115	223.484	106.786	0.468	-24.838	22.477	-13.957
11/18/2023@11:30:00.000 PM	93.934	-76.367	68630.57	-0.081	185.992	97.384	0.446	-26.171	22.815	-13.952

11/18/2023@11:40:00.000 PM	87.54	-72.924	68653.867	-0.128	284.414	123.074	0.46	-25.526	22.379	-14.395
11/18/2023@11:50:00.000 PM	80.244	-64.467	68801.445	-0.141	306.385	128.436	0.439	-24.758	21.388	-13.864
11/19/2023@12:00:00.000 AM	107.659	-81.107	68724.664	-0.117	257.546	108.75	0.411	-25.882	21.423	-13.18
11/19/2023@12:10:00.000 AM	69.333	-74.864	68424.703	-0.153	269.213	113.824	0.448	-23.623	21.777	-12.766
11/19/2023@12:20:00.000 AM	89.271	-68.288	68636.484	-0.138	259.002	109.393	0.446	-24.995	21.782	-13.193
11/19/2023@12:30:00.000 AM	79.846	-74.582	68675.539	-0.069	165.418	106.775	0.446	-27.798	22.815	-13.704
11/19/2023@12:40:00.000 AM	81.427	-68.981	68639.875	-0.11	212.607	101.803	0.463	-28.5	22.423	-14.034
11/19/2023@12:50:00.000 AM	88.337	-71.328	68771.453	-0.12	228.561	92.1	0.436	-26.422	21.785	-14.206
11/19/2023@01:00:00.000 AM	82.439	-68.886	68755.055	-0.136	237.856	99.521	0.439	-26.012	21.576	-13.683
11/19/2023@01:10:00.000 AM	85.849	-68.304	68881.664	-0.103	206.646	104.305	0.431	-26.33	21.666	-14.479
11/19/2023@01:20:00.000 AM	91.528	-66.299	69018.133	-0.161	275.163	89.597	0.446	-26.419	21.902	-14.348
11/19/2023@01:30:00.000 AM	76.918	-62.554	69080.953	-0.163	269.332	99.303	0.459	-27.599	22.829	-14.465
11/19/2023@01:40:00.000 AM	83.591	-65.081	69221.242	-0.144	246.491	92.575	0.448	-28.179	21.978	-13.872
11/19/2023@01:50:00.000 AM	81.427	-69.661	69218.906	-0.176	291.433	100.498	0.442	-26.341	22.091	-13.643
11/19/2023@02:00:00.000 AM	105.082	-74.875	69269.633	-0.136	283.538	110.63	0.446	-24.061	21.264	-13.684
11/19/2023@02:10:00.000 AM	89.271	-67.487	69379.805	-0.152	264.266	95.027	0.416	-25.989	21.429	-13.879

11/19/2023@02:20:00.000 AM	84.047	-71.886	69234.547	-0.132	238.365	85.587	0.443	-27.537	21.848	-14.45
11/19/2023@02:30:00.000 AM	79.846	-75.147	69325.766	-0.139	251.408	104.135	0.436	-27.533	21.447	-14.005
11/19/2023@02:40:00.000 AM	84.047	-74.163	69197.453	-0.161	275.325	95.907	0.427	-25.712	21.534	-13.542
11/19/2023@02:50:00.000 AM	68.686	-77.251	69172.906	-0.175	277.263	84.598	0.445	-31.805	21.777	-14.352
11/19/2023@03:00:00.000 AM	89.271	-67.511	69668.977	-0.162	278.616	94.873	0.446	-30.654	21.929	-15.8
11/19/2023@03:10:00.000 AM	86.882	-74.243	69423.109	-0.183	305.342	83.435	0.448	-30.354	22.084	-15.953
11/19/2023@03:20:00.000 AM	77.084	-70.781	69574.922	-0.172	282.118	92.552	0.443	-30.033	21.88	-15.866
11/19/2023@03:30:00.000 AM	86.955	-67.686	69594.5	-0.165	278.616	90.708	0.42	-28.995	21.319	-14.919
11/19/2023@03:40:00.000 AM	83.591	-65.64	69690.539	-0.149	258.312	86.698	0.427	-27.502	21.252	-14.822
11/19/2023@03:50:00.000 AM	86.955	-67.252	69784.25	-0.173	289.325	93.961	0.427	-26.934	21.121	-14.725
11/19/2023@04:00:00.000 AM	84.878	-70.982	69969.242	-0.141	251.408	80.694	0.433	-29.457	21.608	-15.512
11/19/2023@04:10:00.000 AM	81.427	-70.154	69966.313	-0.152	303.521	121.523	0.431	-28.801	20.918	-15.198
11/19/2023@04:20:00.000 AM	84.878	-71.461	70041.75	-0.141	250.366	96.359	0.415	-29.081	20.836	-15.918
11/19/2023@04:30:00.000 AM	89.271	-70.715	69883.141	-0.173	292.808	91.791	0.405	-27.25	20.008	-14.062
11/19/2023@04:40:00.000 AM	84.878	-70.524	69827.625	-0.138	246.413	92.11	0.444	-29.104	21.997	-15.579
11/19/2023@04:50:00.000 AM	101.628	-67.626	69944.195	-0.137	261.866	87.801	0.431	-37.136	22.597	-16.168

11/19/2023@05:00:00.000 AM	97.137	-68.692	69996	-0.112	222.11	88.76	0.5	-26.189	22.469	-15.665
11/19/2023@05:10:00.000 AM	83.591	-64.856	69989.758	-0.166	279.986	98.489	0.451	-30.061	22.047	-16.308
11/19/2023@05:20:00.000 AM	89.271	-69.076	69656.602	-0.105	223.569	67.518	0.444	-28.718	21.797	-15.751
11/19/2023@05:30:00.000 AM	107.006	-60.154	69701.664	-0.144	267.836	92.224	0.395	-33.448	21.095	-14.821
11/19/2023@05:40:00.000 AM	84.878	-69.716	69656.711	-0.093	194.864	79.838	0.432	-27.562	21.296	-15.288
11/19/2023@05:50:00.000 AM	87.54	-74.382	69842.016	-0.093	202.154	74.145	0.449	-28.032	22.126	-15.692
11/19/2023@06:00:00.000 AM	88.337	-70.918	69676.102	-0.133	249.499	103.138	0.458	-27.876	21.988	-15.48
11/19/2023@06:10:00.000 AM	85.849	-67.239	69709.867	-0.09	193.287	105.391	0.456	-28.482	22.144	-16.392
11/19/2023@06:20:00.000 AM	88.337	-69.629	69733.156	-0.094	202.154	76.506	0.447	-27.56	21.889	-14.933
11/19/2023@06:30:00.000 AM	84.047	-74.25	69560.438	-0.148	271.125	106.382	0.465	-27.009	22.15	-14.269
11/19/2023@06:40:00.000 AM	83.591	-65.218	69693.156	-0.092	189.085	82.842	0.458	-27.285	22.254	-14.693
11/19/2023@06:50:00.000 AM	84.878	-70.781	69577.844	-0.057	148.522	83.615	0.453	-25.876	22.089	-14.419
11/19/2023@07:00:00.000 AM	84.878	-70.972	69516.797	-0.056	169.379	58.997	0.443	-26.479	21.786	-14.191
11/19/2023@07:10:00.000 AM	84.047	-71.264	69602.172	-0.107	218.288	108.467	0.457	-27.691	21.838	-15.191
11/19/2023@07:20:00.000 AM	90.336	-68.747	69242.375	-0.108	380.675	145.846	0.482	-26.793	21.95	-14.497
11/19/2023@07:30:00.000 AM	88.337	-70.876	69662.047	-0.079	184.062	74.879	0.449	-27.201	21.851	-14.659

11/19/2023@07:40:00.000 AM	84.878	-70.572	69463.195	-0.133	239.485	94.383	0.455	-27.447	22.173	-14.836
11/19/2023@07:50:00.000 AM	91.806	-72.743	69455.727	-0.136	250.06	93.096	0.451	-27.559	21.604	-14.7
11/19/2023@08:00:00.000 AM	86.955	-66.254	69355.109	-0.189	318.765	106.616	0.468	-27.201	22.504	-14.978
11/19/2023@08:10:00.000 AM	92.704	-71.405	69411.273	-0.184	311.809	79.14	0.449	-27.836	22.113	-14.535
11/19/2023@08:20:00.000 AM	86.955	-66.275	69348.258	-0.139	246.387	93.309	0.461	-25.296	22.464	-14.685
11/19/2023@08:30:00.000 AM	92.704	-68.828	69375.703	-0.135	252.142	81.572	0.459	-25.48	22.204	-14.44
11/19/2023@08:40:00.000 AM	92.704	-68.579	69406.781	-0.151	269.734	99.662	0.44	-25.63	21.299	-14.397
11/19/2023@08:50:00.000 AM	90.336	-69.114	69101.25	-0.156	275.325	101.106	0.443	-24.416	21.655	-13.869
11/19/2023@09:00:00.000 AM	85.849	-69.838	68961.305	-0.134	241.896	83.221	0.44	-24.98	21.764	-13.482
11/19/2023@09:10:00.000 AM	81.427	-69.456	69185.883	-0.146	250.366	89.162	0.455	-26.38	22.167	-13.858
11/19/2023@09:20:00.000 AM	88.337	-71.6	69037.203	-0.133	267.907	114.66	0.461	-25.136	22.333	-13.85
11/19/2023@09:30:00.000 AM	83.591	-65.632	68989.188	-0.167	280.827	104.293	0.433	-26.482	21.433	-13.967
11/19/2023@09:40:00.000 AM	79.044	-64.828	69057.93	-0.148	251.205	99.085	0.43	-25.476	21.433	-13.672
11/19/2023@09:50:00.000 AM	85.849	-66.905	68883.281	-0.111	315.246	82.985	0.466	-25.807	22.197	-13.115
11/19/2023@10:00:00.000 AM	81.427	-68.926	69035.406	-0.107	210.043	75.323	0.439	-25.665	21.931	-13.591
11/19/2023@10:10:00.000 AM	81.427	-69.034	68833.281	-0.104	203.569	78.195	0.474	-23.233	22.741	-13.396

11/19/2023@10:20:00.000 AM	80.244	-66.925	68844.734	-0.154	261.257	101.147	0.442	-26.752	21.596	-13.243
11/19/2023@10:30:00.000 AM	82.439	-68.073	68760.289	-0.138	239.485	89.489	0.437	-27.776	21.373	-13.366
11/19/2023@10:40:00.000 AM	81.427	-71.082	68547.281	-0.157	263.613	84.505	0.449	-27.957	21.702	-12.839
11/19/2023@10:50:00.000 AM	85.849	-69.785	68572.477	-0.097	196.688	89.387	0.45	-28.691	21.786	-13.013
11/19/2023@11:00:00.000 AM	85.849	-68.608	68605.367	-0.163	275.787	95.896	0.46	-30.33	21.53	-13.35
11/19/2023@11:10:00.000 AM	86.955	-65.347	68559.57	-0.169	298.244	110.878	0.488	-32.883	22.648	-13.778
11/19/2023@11:20:00.000 AM	84.878	-65.109	68474.016	-0.097	193.353	87.627	0.476	-31.656	21.939	-12.534
11/19/2023@11:30:00.000 AM	92.704	-69.941	68362.5	-0.102	205.532	85.469	0.477	-30.331	22.127	-12.445
11/19/2023@11:40:00.000 AM	83.591	-65.365	68408.922	-0.119	218.493	81.261	0.492	-33.569	22.255	-12.598
11/19/2023@11:50:00.000 AM	81.584	-63.432	68594.359	-0.14	243.053	81.712	0.516	-35.821	22.375	-13.596
11/19/2023@12:00:00.000 PM	80.244	-63.885	68524.141	-0.156	259.887	81.781	0.51	-36.748	22.307	-13.293
11/19/2023@12:10:00.000 PM	97.137	-67.049	68400.977	-0.115	221.852	89.797	0.498	-34.699	22.043	-13.317
11/19/2023@12:20:00.000 PM	86.955	-68.593	68565.461	-0.15	260.083	83.437	0.514	-38.03	22.727	-13.548
11/19/2023@12:30:00.000 PM	92.704	-69.114	68568.672	-0.132	240.548	88.354	0.519	-38.144	22.853	-14.148
11/19/2023@12:40:00.000 PM	86.955	-64.631	68671.5	-0.099	205.625	73.693	0.487	-36.976	21.598	-13.446
11/19/2023@12:50:00.000 PM	83.055	-61.206	68673.922	-0.062	159.692	65.6	0.484	-37.833	21.22	-13.208

11/19/2023@01:00:00.000 PM	89.271	-68.716	68722.086	-0.086	193.65	70.944	0.488	-37.974	21.094	-13.26
11/19/2023@01:10:00.000 PM	86.955	-66.821	68842.414	-0.132	241.896	101.289	0.517	-38.915	22.059	-14.163
11/19/2023@01:20:00.000 PM	101.628	-66.988	68737.594	-0.098	213.056	80.014	0.502	-39.249	21.331	-13.839
11/19/2023@01:30:00.000 PM	90.336	-68.893	68707	-0.107	212.157	84.742	0.495	-39.986	21.277	-13.854
11/19/2023@01:40:00.000 PM	80.244	-62.447	68793.453	-0.114	207.999	82.413	0.499	-40.772	21.154	-13.785
11/19/2023@01:50:00.000 PM	84.878	-63.127	68739.414	-0.121	217.938	94.132	0.507	-40.304	21.399	-13.667
11/19/2023@02:00:00.000 PM	85.849	-68.398	68777.516	-0.098	200.285	80.948	0.509	-39.468	21.629	-13.341

Cap. 7. Factor total de distorsiune armonica de curent electric

Factorul Total de Distorsiune Armonică al Curentului Electric**Definirea THD:**

Factorul Total de Distorsiune Armonică (THD) al curentului electric măsoară gradul în care curentul electric conține componente armonice în raport cu componenta principală a frecvenței. Acesta reflectă nivelul de distorsiuni armonice și impactul acestora asupra calității curentului electric.

Calculul THD:

THD se determină prin raportarea pătratelor amplitudinilor componentelor armonice (frecvențe multiple ale frecvenței fundamentale) la pătratul amplitudinii componentei fundamentale.

Importanța THD:

Un nivel ridicat de THD sugerează prezența semnificativă a distorsiunilor armonice, ceea ce poate duce la probleme cum ar fi încălzirea echipamentelor, pierderi de energie și interferențe electromagnetice. Menținerea unui THD scăzut este crucială pentru asigurarea unui sistem electric eficient și fiabil.

Efectele Asupra Echipamentelor:

Distorsiunile armonice pot afecta negativ funcționarea echipamentelor electrice, pot reduce durata de viață a acestora și pot compromite eficiența generală a sistemului. Aceste distorsiuni pot, de asemenea, cauza încălzire excesivă și pierderi de energie.

Metode de Reducere a THD:

Reducerea valorii THD se poate realiza prin utilizarea filtrelor armonice, dispozitivelor de corectare a factorului de putere și prin optimizarea designului sistemului electric pentru a reduce generarea de armonice.

Standardele pentru THD:

Diferite standarde internaționale stabilesc metode de măsurare și limite pentru THD, asigurând conformitatea cu cerințele de calitate a energiei și protejând echipamentele electrice și rețelele.

timestamp	I NegSeqMag	I NegSeqPhs	I1 Total HD	I2 Total HD	I3 Total HD	I1 HD 2
11/12/2023@03:20:00.000 PM	0.449	66.773	11.509	10.791	12.036	0
11/12/2023@03:30:00.000 PM	0.434	102.545	12.262	11.032	12.545	0
11/12/2023@03:40:00.000 PM	0.268	89.722	11.872	11.464	12.476	0.37
11/12/2023@03:50:00.000 PM	0.366	80.921	11.679	11.145	12.546	0
11/12/2023@04:00:00.000 PM	0.332	85.028	11.209	10.722	12.085	0
11/12/2023@04:10:00.000 PM	0.353	87.769	11.378	10.887	12.108	0
11/12/2023@04:20:00.000 PM	0.42	97.315	11.215	10.708	11.979	0

11/12/2023@04:30:00.000 PM	0.525	93.678	11.032	10.555	11.979	0
11/12/2023@04:40:00.000 PM	0.429	96.418	10.888	10.394	11.574	0
11/12/2023@04:50:00.000 PM	0.353	100.107	10.952	10.437	11.347	0
11/12/2023@05:00:00.000 PM	0.469	88.798	10.691	10.242	11.605	0
11/12/2023@05:10:00.000 PM	0.552	96.807	9.895	9.793	10.841	0
11/12/2023@05:20:00.000 PM	0.477	112.281	10.246	10.052	11.001	0.324
11/12/2023@05:30:00.000 PM	0.36	92.438	10.626	10.364	10.859	0
11/12/2023@05:40:00.000 PM	0.468	78.633	10.773	10.387	11.582	0
11/12/2023@05:50:00.000 PM	0.571	87.904	10.595	10.345	11.415	0
11/12/2023@06:00:00.000 PM	0.608	98.356	9.694	9.5	10.635	0
11/12/2023@06:10:00.000 PM	0.688	100.031	9.516	9.105	10.221	0
11/12/2023@06:20:00.000 PM	0.679	94.566	9.869	9.444	10.528	0
11/12/2023@06:30:00.000 PM	0.724	84.755	9.677	9.344	10.388	0.53
11/12/2023@06:40:00.000 PM	0.604	97.21	9.536	9.148	10.337	0
11/12/2023@06:50:00.000 PM	0.577	100.571	9.478	9.341	10.412	0
11/12/2023@07:00:00.000 PM	0.617	99.57	9.692	9.4	10.605	0

11/12/2023@07:10:00.000 PM	0.579	98.253	9.691	9.541	10.512	0.851
11/12/2023@07:20:00.000 PM	0.56	102.947	10.028	9.807	11.019	0
11/12/2023@07:30:00.000 PM	0.631	110.185	9.922	9.723	10.891	0
11/12/2023@07:40:00.000 PM	0.72	96.71	10.073	9.949	11.263	0
11/12/2023@07:50:00.000 PM	0.674	98.902	10.015	9.823	11.104	0
11/12/2023@08:00:00.000 PM	0.56	104.262	10.521	10.292	11.603	0
11/12/2023@08:10:00.000 PM	1.58	102	11.955	9.195	12.059	0
11/12/2023@08:20:00.000 PM	0.758	103.529	9.974	9.797	11.307	0
11/12/2023@08:30:00.000 PM	0.653	116.78	10.322	9.979	11.113	0
11/12/2023@08:40:00.000 PM	0.893	104.172	11.22	10.041	11.569	0.375
11/12/2023@08:50:00.000 PM	1.134	103.061	11.798	9.386	11.663	0
11/12/2023@09:00:00.000 PM	0.664	104.708	10.184	9.853	11.185	0
11/12/2023@09:10:00.000 PM	0.755	110.912	10.098	9.615	10.72	0
11/12/2023@09:20:00.000 PM	0.636	109.74	10.541	10.016	11.29	0
11/12/2023@09:30:00.000 PM	0.738	111.589	10.109	9.558	10.808	0
11/12/2023@09:40:00.000 PM	0.942	110.831	10.852	9.285	11.053	0

11/12/2023@09:50:00.000 PM	0.601	112.676	9.868	9.537	10.705	0
11/12/2023@10:00:00.000 PM	0.629	111.022	10.176	9.708	10.924	0
11/12/2023@10:10:00.000 PM	0.843	106.181	10.304	9.55	10.657	0
11/12/2023@10:20:00.000 PM	0.61	99.237	10.475	9.811	11.2	0
11/12/2023@10:30:00.000 PM	0.64	106.807	10.014	9.235	10.767	0.381
11/12/2023@10:40:00.000 PM	0.792	98.524	10.55	9.797	11.282	0
11/12/2023@10:50:00.000 PM	0.702	107.245	9.576	9.178	10.434	0
11/12/2023@11:00:00.000 PM	0.693	100.908	9.615	9.175	10.388	0
11/12/2023@11:10:00.000 PM	0.769	106.29	10.168	9.657	10.818	0.382
11/12/2023@11:20:00.000 PM	0.666	108.947	10.521	10.151	11.09	0
11/12/2023@11:30:00.000 PM	0.839	83.938	10.62	9.833	11.314	0
11/12/2023@11:40:00.000 PM	0.692	105.958	10.522	9.663	10.706	0
11/12/2023@11:50:00.000 PM	0.689	121.807	10.61	9.786	10.699	0
11/13/2023@12:00:00.000 AM	1.193	111.88	10.292	8.987	10.676	0
11/13/2023@12:10:00.000 AM	1.167	125.847	10.183	9.304	10.942	0.472
11/13/2023@12:20:00.000 AM	0.68	110.658	10.102	9.65	10.59	0.32

11/13/2023@12:30:00.000 AM	0.933	102.547	10.468	9.307	10.083	0
11/13/2023@12:40:00.000 AM	0.75	106.147	9.688	9.077	10.246	0.44
11/13/2023@12:50:00.000 AM	0.86	111.578	10.826	9.441	10.747	0
11/13/2023@01:00:00.000 AM	0.628	105.631	11.549	10.232	11.659	0
11/13/2023@01:10:00.000 AM	0.864	99.034	11.35	10.065	11.461	1.036
11/13/2023@01:20:00.000 AM	1.017	103.891	12.099	9.281	11.534	0
11/13/2023@01:30:00.000 AM	1.095	108.989	11.022	8.39	10.502	0
11/13/2023@01:40:00.000 AM	0.764	106.197	9.572	9.034	10.045	0
11/13/2023@01:50:00.000 AM	0.707	106.875	9.772	9.195	9.896	0
11/13/2023@02:00:00.000 AM	0.703	103.155	9.822	9.157	10.109	0
11/13/2023@02:10:00.000 AM	0.81	88.039	10.326	9.182	10.53	0.69
11/13/2023@02:20:00.000 AM	0.663	92.351	9.856	9.203	9.971	0
11/13/2023@02:30:00.000 AM	0.482	99.112	9.661	9.295	10.242	0
11/13/2023@02:40:00.000 AM	0.623	98.225	10.194	9.345	10.416	0
11/13/2023@02:50:00.000 AM	0.654	89.327	10.071	9.068	10.476	0
11/13/2023@03:00:00.000 AM	0.658	94.79	10.055	9.176	10.471	0

11/13/2023@03:10:00.000 AM	0.548	93.064	10.098	9.438	10.455	0.313
11/13/2023@03:20:00.000 AM	0.514	105.852	10.087	9.201	10.658	0
11/13/2023@03:30:00.000 AM	0.717	93.958	10.674	9.142	10.432	0
11/13/2023@03:40:00.000 AM	0.515	93.099	10.741	9.825	11.194	0.325
11/13/2023@03:50:00.000 AM	0.737	96.628	10.129	9.173	10.54	0
11/13/2023@04:00:00.000 AM	0.564	102.353	10.058	9.25	10.524	0
11/13/2023@04:10:00.000 AM	0.644	88.279	10.531	9.673	10.967	0
11/13/2023@04:20:00.000 AM	0.438	104.429	10.711	9.857	11.1	0.565
11/13/2023@04:30:00.000 AM	0.678	88.875	11.223	9.929	11.348	0
11/13/2023@04:40:00.000 AM	0.629	90.509	10.76	9.679	10.859	0
11/13/2023@04:50:00.000 AM	0.644	89.419	10.284	9.528	10.816	0
11/13/2023@05:00:00.000 AM	0.643	128.943	6.643	6.592	6.565	0
11/13/2023@05:10:00.000 AM	0.773	94.206	11.247	9.794	11.607	0
11/13/2023@05:20:00.000 AM	0.881	95.673	10.615	9.321	10.62	0
11/13/2023@05:30:00.000 AM	0.665	94.314	10.171	9.335	10.179	0
11/13/2023@05:40:00.000 AM	0.953	93.389	10.623	9.445	10.935	0

11/13/2023@05:50:00.000 AM	0.734	98.176	10.449	9.29	10.373	0
11/13/2023@06:00:00.000 AM	0.923	88.949	11.497	9.013	10.653	0
11/13/2023@06:10:00.000 AM	0.905	89.789	10.248	8.646	9.577	0
11/13/2023@06:20:00.000 AM	0.493	97.519	9.951	9.188	10.166	0
11/13/2023@06:30:00.000 AM	0.545	93.276	9.896	9.335	10.292	0
11/13/2023@06:40:00.000 AM	0.535	89.655	10.913	9.988	11.132	0
11/13/2023@06:50:00.000 AM	0.549	89.659	10.566	9.796	11.006	0
11/13/2023@07:00:00.000 AM	0.574	88.942	11.018	10.153	11.53	0
11/13/2023@07:10:00.000 AM	0.668	89.712	9.276	8.718	10.065	0
11/13/2023@07:20:00.000 AM	0.769	94.343	10.681	9.229	10.764	0
11/13/2023@07:30:00.000 AM	0.942	96.971	10.696	9.126	10.844	0
11/13/2023@07:40:00.000 AM	0.881	94.125	11.228	9.696	11.182	0
11/13/2023@07:50:00.000 AM	1.196	102.828	10.464	9.512	11.277	0
11/13/2023@08:00:00.000 AM	0.608	81.822	10.411	9.815	11.214	0
11/13/2023@08:10:00.000 AM	0.695	85.474	10.118	9.293	10.863	0
11/13/2023@08:20:00.000 AM	0.751	79.664	10.732	9.72	11.319	0

11/13/2023@08:30:00.000 AM	0.781	93.323	10.093	9.434	10.908	0
11/13/2023@08:40:00.000 AM	0.685	74.48	10.947	10.377	11.805	0
11/13/2023@08:50:00.000 AM	0.756	83.264	10.99	10.225	11.826	0
11/13/2023@09:00:00.000 AM	0.792	78.395	11.567	10.305	12.136	0
11/13/2023@09:10:00.000 AM	0.976	86.681	10.715	9.789	11.274	0
11/13/2023@09:20:00.000 AM	0.759	84.795	11.28	10.203	11.985	0
11/13/2023@09:30:00.000 AM	0.615	73.831	12.053	10.627	12.144	0
11/13/2023@09:40:00.000 AM	0.944	97.102	13.729	11.929	13.924	0
11/13/2023@09:50:00.000 AM	0.73	87.036	14.306	12.492	14.522	0
11/13/2023@10:00:00.000 AM	1.071	98.709	15.043	12.453	14.529	0
11/13/2023@10:10:00.000 AM	1.081	104.933	12.568	11.141	13.342	0
11/13/2023@10:20:00.000 AM	0.911	95.378	13.572	11.643	13.829	0
11/13/2023@10:30:00.000 AM	0.78	90.459	12.634	11.169	13.128	0
11/13/2023@10:40:00.000 AM	0.7	90.663	13.57	11.854	13.954	0
11/13/2023@10:50:00.000 AM	0.795	89.586	12.307	10.742	12.529	0
11/13/2023@11:00:00.000 AM	0.736	89.941	11.837	10.374	11.964	0

11/13/2023@11:10:00.000 AM	0.764	93.272	11.384	10.117	11.776	0
11/13/2023@11:20:00.000 AM	1.133	95.639	11.827	9.728	11.609	0
11/13/2023@11:30:00.000 AM	0.726	88.912	12.653	11.054	12.873	0
11/13/2023@11:40:00.000 AM	0.689	88.485	11.702	10.339	12.024	0
11/13/2023@11:50:00.000 AM	0.753	89.203	11.431	10.166	11.789	0
11/13/2023@12:00:00.000 PM	1.036	92.567	11.521	10.113	11.518	0
11/13/2023@12:10:00.000 PM	0.609	92.329	10.771	9.834	11.147	0
11/13/2023@12:20:00.000 PM	0.711	94.318	11.467	10.121	11.449	0
11/13/2023@12:30:00.000 PM	1.062	96.524	12.987	9.542	12.923	0
11/13/2023@12:40:00.000 PM	1.032	101.2	13.831	11.03	13.526	0
11/13/2023@12:50:00.000 PM	0.593	85.422	13.091	11.631	13.557	0
11/13/2023@01:00:00.000 PM	0.722	97.54	13.186	11.7	13.655	0
11/13/2023@01:10:00.000 PM	0.615	88.851	13.28	11.683	13.628	0
11/13/2023@01:20:00.000 PM	0.77	88.994	11.862	10.19	12.057	0
11/13/2023@01:30:00.000 PM	0.731	85.65	13.239	11.023	12.819	0
11/13/2023@01:40:00.000 PM	0.624	82.374	12.444	10.856	12.665	0

11/13/2023@01:50:00.000 PM	0.64	78.828	12.798	11.152	12.9	0
11/13/2023@02:00:00.000 PM	0.584	81.669	12.553	11.127	12.845	0
11/13/2023@02:10:00.000 PM	0.577	83.462	12.012	10.811	12.292	0
11/13/2023@02:20:00.000 PM	0.63	85.965	12.356	10.976	12.301	0
11/13/2023@02:30:00.000 PM	0.603	85.147	11.934	10.793	12.468	0
11/13/2023@02:40:00.000 PM	0.605	78.99	13.108	11.411	13.227	0
11/13/2023@02:50:00.000 PM	0.665	87.758	11.791	10.598	12.446	0
11/13/2023@03:00:00.000 PM	0.604	87.651	11.882	10.672	12.378	0
11/13/2023@03:10:00.000 PM	1.14	97.721	13.706	11.008	13.351	0
11/13/2023@03:20:00.000 PM	0.795	86.359	13.267	11.382	13.79	0
11/13/2023@03:30:00.000 PM	0.652	85.915	12.886	11.117	13.206	0
11/13/2023@03:40:00.000 PM	0.694	96.355	11.742	10.433	12.027	0
11/13/2023@03:50:00.000 PM	0.599	87.215	13.56	11.5	13.615	0
11/13/2023@04:00:00.000 PM	0.947	98.644	12.849	10.997	13.087	0
11/13/2023@04:10:00.000 PM	0.815	97.161	12.426	11.011	12.905	0
11/13/2023@04:20:00.000 PM	0.757	92.745	11.977	10.783	12.601	0

11/13/2023@04:30:00.000 PM	0.74	89.193	13.182	11.461	13.466	0
11/13/2023@04:40:00.000 PM	0.887	96.01	13.364	11.51	13.829	0
11/13/2023@04:50:00.000 PM	1.009	96.421	12.08	10.649	12.295	0
11/13/2023@05:00:00.000 PM	0.923	96.716	11.538	10.14	12.193	0
11/13/2023@05:10:00.000 PM	1.055	101.701	12.058	10.562	12.748	0
11/13/2023@05:20:00.000 PM	0.836	100.482	11.848	10.54	12.631	0
11/13/2023@05:30:00.000 PM	1.154	106.245	11.85	10.356	12.762	0
11/13/2023@05:40:00.000 PM	0.916	104.239	11.905	10.388	12.334	0
11/13/2023@05:50:00.000 PM	0.882	107.564	11.921	10.658	12.563	0
11/13/2023@06:00:00.000 PM	0.872	106.292	12.469	10.672	13.145	0
11/13/2023@06:10:00.000 PM	1.17	111.396	12.587	10.443	12.419	0
11/13/2023@06:20:00.000 PM	0.959	108.201	12.965	10.956	13.497	0
11/13/2023@06:30:00.000 PM	0.935	106.416	13.128	11.141	13.626	0
11/13/2023@06:40:00.000 PM	0.949	108.338	12.312	10.462	12.936	0
11/13/2023@06:50:00.000 PM	1.156	109.278	11.995	10.224	12.629	0
11/13/2023@07:00:00.000 PM	1.131	113.73	11.469	9.945	12.229	0

11/13/2023@07:10:00.000 PM	0.992	111.325	12.347	10.819	13.124	0
11/13/2023@07:20:00.000 PM	1.111	112.916	11.833	10.423	12.366	0
11/13/2023@07:30:00.000 PM	1.154	107.09	11.943	10.221	12.328	0
11/13/2023@07:40:00.000 PM	1.06	111.814	11.784	9.709	11.663	0
11/13/2023@07:50:00.000 PM	1.017	105.21	10.991	9.724	11.602	0
11/13/2023@08:00:00.000 PM	0.928	104.085	11.103	9.766	11.633	0
11/13/2023@08:10:00.000 PM	0.996	106.82	10.966	9.657	10.87	0
11/13/2023@08:20:00.000 PM	1.125	103.335	11.084	9.877	11.433	0
11/13/2023@08:30:00.000 PM	1.192	105.34	10.931	9.915	11.815	0
11/13/2023@08:40:00.000 PM	0.933	105.808	10.916	9.899	11.357	0
11/13/2023@08:50:00.000 PM	0.994	109.278	9.993	9.521	11.063	0
11/13/2023@09:00:00.000 PM	0.91	114.209	10.187	9.432	10.928	0.59
11/13/2023@09:10:00.000 PM	0.991	110.72	10.746	9.649	10.877	0
11/13/2023@09:20:00.000 PM	0.781	114.467	9.875	9.54	10.62	0
11/13/2023@09:30:00.000 PM	0.734	111.44	9.817	9.571	10.756	0
11/13/2023@09:40:00.000 PM	1.029	110.732	10.687	9.755	11.02	0

11/13/2023@09:50:00.000 PM	0.809	111.312	9.836	9.258	10.658	0
11/13/2023@10:00:00.000 PM	0.905	111.052	9.802	9.404	10.851	0
11/13/2023@10:10:00.000 PM	1.31	110.116	10.12	8.581	10.141	0
11/13/2023@10:20:00.000 PM	0.964	109.369	9.717	9.306	10.608	0
11/13/2023@10:30:00.000 PM	1.125	104.855	9.947	9.342	10.5	0
11/13/2023@10:40:00.000 PM	0.689	107.201	15.286	14.132	17.047	0
11/13/2023@10:50:00.000 PM	0.707	107.87	15.415	13.923	16.653	0
11/13/2023@11:00:00.000 PM	0.775	104.063	15.923	14.22	16.451	0
11/13/2023@11:10:00.000 PM	0.889	105.736	11.549	10.527	11.976	0
11/13/2023@11:20:00.000 PM	0.93	111.448	10.308	9.273	10.713	0
11/13/2023@11:30:00.000 PM	0.78	103.594	8.81	9.086	10.477	0
11/13/2023@11:40:00.000 PM	0.758	106.959	9.724	9.509	11.019	0
11/13/2023@11:50:00.000 PM	0.716	108.808	9.04	8.614	9.846	0
11/14/2023@12:00:00.000 AM	0.928	104.29	8.906	8.187	9.377	0
11/14/2023@12:10:00.000 AM	0.862	101.262	7.73	7.569	8.722	0
11/14/2023@12:20:00.000 AM	0.75	106.871	7.863	7.757	8.726	0

11/14/2023@12:30:00.000 AM	0.72	103.359	7.382	7.461	8.347	0
11/14/2023@12:40:00.000 AM	0.836	101.677	8.989	8.408	9.496	0
11/14/2023@12:50:00.000 AM	0.91	99.991	8.676	8.024	9.65	0
11/14/2023@01:00:00.000 AM	0.894	101.079	8.863	8.083	9.6	0
11/14/2023@01:10:00.000 AM	0.85	105.824	8.116	7.604	8.835	0
11/14/2023@01:20:00.000 AM	0.756	108.434	7.826	7.572	8.572	0
11/14/2023@01:30:00.000 AM	0.664	108.003	7.623	7.68	8.579	0
11/14/2023@01:40:00.000 AM	0.813	98.899	8.554	8.107	9.144	0
11/14/2023@01:50:00.000 AM	0.702	101.147	8.49	7.949	8.89	0
11/14/2023@02:00:00.000 AM	0.793	98.039	9.61	8.975	10.673	0
11/14/2023@02:10:00.000 AM	0.831	98.151	8.221	7.989	9.321	0
11/14/2023@02:20:00.000 AM	0.797	95.662	7.917	7.779	8.958	0
11/14/2023@02:30:00.000 AM	0.741	97.266	8.871	8.441	9.677	0
11/14/2023@02:40:00.000 AM	0.755	99.879	9.699	8.784	10.33	0
11/14/2023@02:50:00.000 AM	0.783	103.691	8.717	8.136	9.463	0
11/14/2023@03:00:00.000 AM	0.74	96.617	8.708	8.01	9.512	0

11/14/2023@03:10:00.000 AM	0.699	100.14	9.132	8.407	9.915	0
11/14/2023@03:20:00.000 AM	0.698	100.148	8.925	8.473	9.878	0
11/14/2023@03:30:00.000 AM	0.677	94.89	10.362	9.44	10.768	0
11/14/2023@03:40:00.000 AM	0.661	93.456	10.134	9.141	10.61	0
11/14/2023@03:50:00.000 AM	0.724	94.344	9.879	8.889	10.5	0
11/14/2023@04:00:00.000 AM	0.682	98.433	8.828	8.411	9.751	0
11/14/2023@04:10:00.000 AM	0.694	97.258	8.986	8.337	9.72	0
11/14/2023@04:20:00.000 AM	0.72	94.972	9.236	8.403	9.951	0
11/14/2023@04:30:00.000 AM	0.745	90.005	9.773	8.821	10.464	0
11/14/2023@04:40:00.000 AM	0.774	96.11	9.101	8.558	10.009	0
11/14/2023@04:50:00.000 AM	0.748	93.134	9.951	8.955	10.416	0
11/14/2023@05:00:00.000 AM	0.723	93.114	9.484	8.488	10.089	0
11/14/2023@05:10:00.000 AM	0.724	98.403	9.323	8.436	9.903	0
11/14/2023@05:20:00.000 AM	0.74	94.277	9.09	8.441	9.744	0
11/14/2023@05:30:00.000 AM	0.791	94.573	9.478	8.357	9.949	0
11/14/2023@05:40:00.000 AM	0.775	94.239	9.691	8.544	10.139	0

11/14/2023@05:50:00.000 AM	0.652	103.648	9.376	8.723	10.206	0
11/14/2023@06:00:00.000 AM	0.78	96.878	9.826	8.789	10.371	0
11/14/2023@06:10:00.000 AM	0.83	110.131	9.594	8.461	10.218	0
11/14/2023@06:20:00.000 AM	0.865	98.247	8.941	8.14	9.724	0
11/14/2023@06:30:00.000 AM	0.833	96.449	9.566	8.514	10.112	0
11/14/2023@06:40:00.000 AM	1.04	104.933	9.954	8.84	10.949	0
11/14/2023@06:50:00.000 AM	1.117	113.025	9.039	8.11	9.649	0
11/14/2023@07:00:00.000 AM	0.7	105.469	9.636	8.543	10.201	0
11/14/2023@07:10:00.000 AM	0.773	99.256	9.622	8.549	10.243	0
11/14/2023@07:20:00.000 AM	0.64	103.642	9.999	9.096	10.622	0
11/14/2023@07:30:00.000 AM	0.7	108.258	9.909	8.944	10.901	0
11/14/2023@07:40:00.000 AM	0.811	110.55	9.224	8.401	9.895	0
11/14/2023@07:50:00.000 AM	0.732	106.213	8.728	8.503	9.891	0
11/14/2023@08:00:00.000 AM	0.739	111.005	8.956	8.578	10.01	0.474
11/14/2023@08:10:00.000 AM	0.756	110.22	9.651	8.845	10.034	0.407
11/14/2023@08:20:00.000 AM	0.713	101.187	8.615	8.233	9.263	0.595

11/14/2023@08:30:00.000 AM	0.684	109.521	7.823	7.987	9.142	0
11/14/2023@08:40:00.000 AM	0.601	119.254	8.793	8.408	9.439	0
11/14/2023@08:50:00.000 AM	0.705	105.561	8.713	8.237	9.536	0.314
11/14/2023@09:00:00.000 AM	0.868	130.381	6.035	6.022	6.151	0
11/14/2023@09:10:00.000 AM	0.903	102.048	11.98	9.968	11.603	0
11/14/2023@09:20:00.000 AM	0.647	103.155	10.211	9.182	10.39	0
11/14/2023@09:30:00.000 AM	0.903	111.936	10.241	9.178	10.829	0
11/14/2023@09:40:00.000 AM	0.945	110.09	10.938	9.34	11.283	0
11/14/2023@09:50:00.000 AM	0.909	107.558	12.862	11.077	13.052	0
11/14/2023@10:00:00.000 AM	0.888	105.649	12.077	10.379	12.269	0
11/14/2023@10:10:00.000 AM	0.741	105.677	12.107	10.431	12.528	0
11/14/2023@10:20:00.000 AM	0.789	108.037	11.278	10.059	11.8	0
11/14/2023@10:30:00.000 AM	0.746	110.913	11.164	10.102	11.655	0
11/14/2023@10:40:00.000 AM	0.742	106.119	12.918	11.071	13.17	0
11/14/2023@10:50:00.000 AM	0.753	106.109	12.441	10.671	12.635	0
11/14/2023@11:00:00.000 AM	0.921	105.962	11.687	9.755	11.522	0

11/14/2023@11:10:00.000 AM	0.753	107.45	11.397	10.118	11.85	0
11/14/2023@11:20:00.000 AM	1.127	107.646	12.114	9.529	11.725	0
11/14/2023@11:30:00.000 AM	0.945	106.401	13.159	10.361	12.763	0
11/14/2023@11:40:00.000 AM	0.795	102.326	12.289	10.78	12.908	0
11/14/2023@11:50:00.000 AM	0.735	102.301	12.054	10.232	12.481	0
11/14/2023@12:00:00.000 PM	0.985	105.889	12.129	9.995	11.904	0
11/14/2023@12:10:00.000 PM	0.674	105.072	11.64	10.325	12.211	0
11/14/2023@12:20:00.000 PM	0.656	105.779	12.774	10.698	13.013	0
11/14/2023@12:30:00.000 PM	0.639	109.037	12.994	11.167	13.344	0
11/14/2023@12:40:00.000 PM	0.655	106.831	12.932	11.247	13.279	0.319
11/14/2023@12:50:00.000 PM	0.649	108.9	12.555	10.866	12.904	0
11/14/2023@01:00:00.000 PM	0.91	111.395	12.561	10.418	12.733	0
11/14/2023@01:10:00.000 PM	0.695	103.725	12.721	10.799	12.926	0
11/14/2023@01:20:00.000 PM	0.745	102.528	12.753	10.833	12.856	0
11/14/2023@01:30:00.000 PM	0.639	108.307	11.914	10.254	12.145	0
11/14/2023@01:40:00.000 PM	0.631	105.735	11.838	10.269	12.177	0

11/14/2023@01:50:00.000 PM	0.613	104.588	12.556	10.574	12.589	0
11/14/2023@02:00:00.000 PM	0.596	105.276	12.744	11.057	12.961	0
11/14/2023@02:10:00.000 PM	0.727	105.532	12.109	10.677	11.973	0
11/14/2023@02:20:00.000 PM	0.544	113.311	11.409	10.173	11.55	0
11/14/2023@02:30:00.000 PM	0.8	110.882	11.905	9.904	11.598	0
11/14/2023@02:40:00.000 PM	0.857	109.065	12.829	10.273	12.701	0
11/14/2023@02:50:00.000 PM	1.065	110.192	13.382	11.419	13.842	0
11/14/2023@03:00:00.000 PM	0.673	104.746	13.942	11.783	14.098	0
11/14/2023@03:10:00.000 PM	0.844	107.128	12.894	10.822	12.782	0
11/14/2023@03:20:00.000 PM	0.826	110.524	11.793	10.169	11.826	0
11/14/2023@03:30:00.000 PM	0.662	112.131	11.65	10.227	11.946	0
11/14/2023@03:40:00.000 PM	0.669	107.137	11.663	10.352	11.989	0
11/14/2023@03:50:00.000 PM	0.861	109.249	12.46	10.176	12.046	0
11/14/2023@04:00:00.000 PM	0.864	109.726	12.344	10.132	11.978	0
11/14/2023@04:10:00.000 PM	0.658	108.516	11.584	10.087	11.958	0
11/14/2023@04:20:00.000 PM	0.668	110.964	11.82	10.288	12.182	0

11/14/2023@04:30:00.000 PM	0.715	109.619	11.564	10.307	12.269	0
11/14/2023@04:40:00.000 PM	0.742	108.827	11.862	10.329	12.251	0
11/14/2023@04:50:00.000 PM	0.771	106.383	11.875	10.299	12.152	0
11/14/2023@05:00:00.000 PM	0.861	111.498	10.885	9.569	11.053	0
11/14/2023@05:10:00.000 PM	0.892	110.818	11.404	9.452	11.185	0
11/14/2023@05:20:00.000 PM	0.916	112.127	11.705	9.681	11.375	0
11/14/2023@05:30:00.000 PM	0.709	108.681	10.302	9.434	10.817	0
11/14/2023@05:40:00.000 PM	0.778	104.092	10.82	9.757	11.558	0
11/14/2023@05:50:00.000 PM	0.672	105.641	10.089	9.264	10.534	0
11/14/2023@06:00:00.000 PM	0.803	105.432	11.824	9.613	11.009	0
11/14/2023@06:10:00.000 PM	1.063	101.92	12.043	9.059	11.225	0
11/14/2023@06:20:00.000 PM	0.754	106.178	10.901	9.33	10.874	0
11/14/2023@06:30:00.000 PM	0.686	106.573	10.296	9.291	10.792	0
11/14/2023@06:40:00.000 PM	0.633	107.587	9.469	8.97	9.971	0
11/14/2023@06:50:00.000 PM	0.693	107.516	10.629	9.303	10.843	0.64
11/14/2023@07:00:00.000 PM	0.682	104.79	10.647	9.628	11.172	0

11/14/2023@07:10:00.000 PM	0.838	100.64	10.75	9.57	10.995	0
11/14/2023@07:20:00.000 PM	0.897	107.454	10.215	9.214	10.77	0
11/14/2023@07:30:00.000 PM	0.644	102.197	9.722	9.032	10.412	0
11/14/2023@07:40:00.000 PM	0.778	105.943	10.215	9.114	10.471	0
11/14/2023@07:50:00.000 PM	0.695	104.422	10.886	9.597	10.868	0
11/14/2023@08:00:00.000 PM	1.01	116.425	10.725	9.612	10.933	0
11/14/2023@08:10:00.000 PM	0.909	108.969	10.438	9.012	10.148	0
11/14/2023@08:20:00.000 PM	0.851	109.618	10.161	9.196	10.348	0
11/14/2023@08:30:00.000 PM	0.782	115.945	9.845	9.119	10.002	0
11/14/2023@08:40:00.000 PM	0.762	109.199	10.46	9.4	10.658	0
11/14/2023@08:50:00.000 PM	0.856	105.451	9.899	9.249	10.428	0
11/14/2023@09:00:00.000 PM	0.779	115.87	10.139	9.026	10.479	0
11/14/2023@09:10:00.000 PM	0.838	111.75	10.513	9.349	10.717	0
11/14/2023@09:20:00.000 PM	0.815	115.231	10.247	9.363	10.289	0.628
11/14/2023@09:30:00.000 PM	0.91	113.606	10.08	9.415	10.628	0
11/14/2023@09:40:00.000 PM	0.694	112.876	9.566	9.142	10.194	0

11/14/2023@09:50:00.000 PM	0.708	107.283	10.578	9.557	11.03	0
11/14/2023@10:00:00.000 PM	0.716	108.428	10.656	9.553	10.949	0
11/14/2023@10:10:00.000 PM	0.809	99.402	11.292	9.93	11.595	0
11/14/2023@10:20:00.000 PM	0.734	107.69	10.75	9.68	10.974	0
11/14/2023@10:30:00.000 PM	0.757	105.234	10.128	9.386	10.624	0
11/14/2023@10:40:00.000 PM	0.651	111.502	10.099	9.276	10.35	0.333
11/14/2023@10:50:00.000 PM	0.829	117.929	10.942	9.593	10.804	0
11/14/2023@11:00:00.000 PM	1.091	116.96	10.699	9.475	11.03	0
11/14/2023@11:10:00.000 PM	0.779	117.345	10.137	9.463	10.386	0
11/14/2023@11:20:00.000 PM	0.776	116.09	9.929	9.097	10.215	0
11/14/2023@11:30:00.000 PM	0.821	117.944	9.378	8.619	9.507	0
11/14/2023@11:40:00.000 PM	1.146	112.576	9.659	8.885	9.791	0.491
11/14/2023@11:50:00.000 PM	0.927	113.708	9.2	8.652	9.636	0
11/15/2023@12:00:00.000 AM	0.856	109.03	10.305	9.288	10.481	0
11/15/2023@12:10:00.000 AM	0.895	105.337	10.389	9.52	10.558	0.714
11/15/2023@12:20:00.000 AM	0.792	108.123	10.774	9.579	10.929	0

11/15/2023@12:30:00.000 AM	0.749	116.754	9.757	9.076	9.951	0.657
11/15/2023@12:40:00.000 AM	0.693	116.628	9.642	8.953	9.917	0
11/15/2023@12:50:00.000 AM	0.695	115.278	9.522	8.921	9.882	0
11/15/2023@01:00:00.000 AM	0.797	106.971	10.207	9.217	10.564	0
11/15/2023@01:10:00.000 AM	0.754	102.566	10.402	9.299	10.458	0
11/15/2023@01:20:00.000 AM	0.761	113.443	11.219	9.703	11.037	0
11/15/2023@01:30:00.000 AM	0.663	111.204	10.771	9.441	10.715	0
11/15/2023@01:40:00.000 AM	0.815	112.249	9.94	9.088	10.116	0
11/15/2023@01:50:00.000 AM	0.822	112.555	11.162	9.883	11.175	0
11/15/2023@02:00:00.000 AM	0.721	111.09	11.455	10.014	11.322	0
11/15/2023@02:10:00.000 AM	0.788	107.414	11.898	10.402	11.627	0.422
11/15/2023@02:20:00.000 AM	0.836	107.822	11.27	10.007	11.453	0
11/15/2023@02:30:00.000 AM	0.718	107.104	11.362	9.647	11.187	0
11/15/2023@02:40:00.000 AM	0.846	101.04	11.082	9.719	11.183	0
11/15/2023@02:50:00.000 AM	0.815	110.58	11.272	9.569	10.842	0
11/15/2023@03:00:00.000 AM	0.942	106.675	11.605	9.889	11.368	0

11/15/2023@03:10:00.000 AM	1.016	117.33	11.102	9.335	11.011	0.314
11/15/2023@03:20:00.000 AM	0.77	105.446	11.715	9.976	11.563	0
11/15/2023@03:30:00.000 AM	0.906	106.715	12.267	10.51	12.013	0
11/15/2023@03:40:00.000 AM	0.81	110.721	11.172	9.727	10.832	0
11/15/2023@03:50:00.000 AM	0.629	108.867	11.085	9.574	10.756	0
11/15/2023@04:00:00.000 AM	0.726	105.544	10.704	9.436	10.765	0
11/15/2023@04:10:00.000 AM	0.694	108.664	12.217	10.158	11.664	0
11/15/2023@04:20:00.000 AM	0.704	103.539	12.77	10.825	12.564	0.514
11/15/2023@04:30:00.000 AM	0.792	99.628	13.2	10.994	12.649	0
11/15/2023@04:40:00.000 AM	0.532	94.768	12.127	10.094	11.612	0
11/15/2023@04:50:00.000 AM	0.682	104.615	11.656	9.824	11.351	0
11/15/2023@05:00:00.000 AM	0.818	112.164	11.865	10.13	11.72	0
11/15/2023@05:10:00.000 AM	0.721	102.07	13.021	10.71	12.408	0
11/15/2023@05:20:00.000 AM	0.705	105.568	12.859	10.704	12.221	0
11/15/2023@05:30:00.000 AM	0.792	107.049	12.239	10.475	12.093	0
11/15/2023@05:40:00.000 AM	0.802	101.487	12.341	10.356	11.967	0.587

11/15/2023@05:50:00.000 AM	0.862	106.274	11.353	9.537	11.409	0
11/15/2023@06:00:00.000 AM	0.773	115.052	10.792	9.325	10.627	0
11/15/2023@06:10:00.000 AM	1.017	109.971	10.862	9.149	10.384	0
11/15/2023@06:20:00.000 AM	1.182	107.164	11.716	9.52	11.102	0
11/15/2023@06:30:00.000 AM	0.912	107.39	12.348	10.169	11.882	0
11/15/2023@06:40:00.000 AM	0.951	105.569	12.764	10.419	12.269	0
11/15/2023@06:50:00.000 AM	0.782	104.629	12.657	10.655	12.275	0
11/15/2023@07:00:00.000 AM	0.875	114.854	12.164	10.01	11.741	0.434
11/15/2023@07:10:00.000 AM	0.835	109.358	11.122	9.426	11.141	0
11/15/2023@07:20:00.000 AM	0.758	113.41	10.974	9.556	10.948	0
11/15/2023@07:30:00.000 AM	1.018	111.946	12	9.747	11.259	0.352
11/15/2023@07:40:00.000 AM	0.874	106.493	12.215	10.319	12.148	0
11/15/2023@07:50:00.000 AM	0.862	102.762	12.343	10.363	12.041	0
11/15/2023@08:00:00.000 AM	0.723	109.577	12.321	10.415	11.932	0
11/15/2023@08:10:00.000 AM	0.681	109.742	12.197	10.554	12.073	0
11/15/2023@08:20:00.000 AM	0.668	109.933	11.748	10.162	11.614	0.407

11/15/2023@08:30:00.000 AM	0.725	101.062	12.223	10.799	12.279	0
11/15/2023@08:40:00.000 AM	0.776	106.143	11.72	10.356	11.863	0
11/15/2023@08:50:00.000 AM	0.697	107.709	12.17	10.524	12.193	0
11/15/2023@09:00:00.000 AM	0.839	110.97	11.605	9.967	11.985	0
11/15/2023@09:10:00.000 AM	1.005	108.93	11.398	9.965	11.601	0.418
11/15/2023@09:20:00.000 AM	0.731	105.285	11.183	10.057	11.699	0
11/15/2023@09:30:00.000 AM	0.742	102.219	11.002	9.948	11.284	0
11/15/2023@09:40:00.000 AM	0.807	101.094	11.734	10.463	11.883	0
11/15/2023@09:50:00.000 AM	0.669	107.579	10.969	9.826	11.433	0
11/15/2023@10:00:00.000 AM	1.587	106.102	12.955	9.505	12.755	0
11/15/2023@10:10:00.000 AM	0.952	102.687	11.837	10.085	11.357	0
11/15/2023@10:20:00.000 AM	0.813	114.21	11.698	10.416	12.282	0
11/15/2023@10:30:00.000 AM	0.925	108.742	12.341	10.575	12.112	0
11/15/2023@10:40:00.000 AM	0.676	112.595	11.513	10.423	12.017	0
11/15/2023@10:50:00.000 AM	0.8	107.639	11.784	10.197	12.296	0.37
11/15/2023@11:00:00.000 AM	0.862	103.653	11.6	9.95	11.883	0

11/15/2023@11:10:00.000 AM	0.75	107.058	11.761	10.117	11.939	0
11/15/2023@11:20:00.000 AM	1.083	101.556	11.741	10.198	11.741	0.578
11/15/2023@11:30:00.000 AM	0.906	108.388	11.392	10.277	11.644	0
11/15/2023@11:40:00.000 AM	0.843	104.714	11.921	10.025	11.798	0
11/15/2023@11:50:00.000 AM	0.72	114.985	10.956	9.929	11.372	0
11/15/2023@12:00:00.000 PM	0.716	111.491	10.911	9.61	10.989	0.552
11/15/2023@12:10:00.000 PM	0.934	108.485	11.192	9.86	11.172	0
11/15/2023@12:20:00.000 PM	1.027	107.65	11.036	9.324	10.696	0
11/15/2023@12:30:00.000 PM	0.744	108.043	10.676	9.49	10.925	0
11/15/2023@12:40:00.000 PM	0.926	105.988	11.103	9.381	10.816	0
11/15/2023@12:50:00.000 PM	0.751	106.387	11.291	9.754	11.52	0
11/15/2023@01:00:00.000 PM	0.851	109.62	11.756	10.211	12.181	0
11/15/2023@01:10:00.000 PM	0.677	112.331	12.293	10.558	12.144	0
11/15/2023@01:20:00.000 PM	0.702	104.021	11.542	10.093	11.574	0
11/15/2023@01:30:00.000 PM	0.859	110.048	11.347	9.99	11.662	0
11/15/2023@01:40:00.000 PM	0.608	109.62	10.956	9.962	11.255	0

11/15/2023@01:50:00.000 PM	0.591	108.263	11.212	10.176	11.606	0
11/15/2023@02:00:00.000 PM	0.666	99.757	11.746	10.655	12.273	0.431
11/15/2023@02:10:00.000 PM	0.62	99.712	11.974	10.512	12.11	0
11/15/2023@02:20:00.000 PM	0.973	107.23	12.188	9.685	11.424	0
11/15/2023@02:30:00.000 PM	0.592	111.736	11.347	10.116	11.626	0
11/15/2023@02:40:00.000 PM	0.476	108.793	12.015	10.699	12.22	0
11/15/2023@02:50:00.000 PM	0.637	98.963	12.592	10.87	12.581	0
11/15/2023@03:00:00.000 PM	0.577	103.026	12.244	10.794	12.248	0
11/15/2023@03:10:00.000 PM	0.703	105.241	11.255	10.166	11.402	0
11/15/2023@03:20:00.000 PM	0.656	107.469	11.106	10.065	11.336	0
11/15/2023@03:30:00.000 PM	0.677	107.862	10.871	9.844	11.002	0
11/15/2023@03:40:00.000 PM	0.746	98.662	11.826	10.361	11.887	0
11/15/2023@03:50:00.000 PM	0.716	98.199	11.96	10.572	12.128	0
11/15/2023@04:00:00.000 PM	0.662	103.047	11.23	10.018	11.496	0
11/15/2023@04:10:00.000 PM	0.626	104.956	11.408	10.047	11.605	0
11/15/2023@04:20:00.000 PM	0.854	111.91	11.969	10.013	11.687	0.534

11/15/2023@04:30:00.000 PM	0.654	103.166	11.355	10.361	11.781	0
11/15/2023@04:40:00.000 PM	0.72	108.001	10.858	10.004	11.248	0
11/15/2023@04:50:00.000 PM	1.094	108.294	11.456	9.417	11.174	0
11/15/2023@05:00:00.000 PM	0.684	106.168	10.515	9.882	11.241	0
11/15/2023@05:10:00.000 PM	0.718	111.086	11.123	9.889	11.449	0
11/15/2023@05:20:00.000 PM	0.747	110.503	10.905	10.009	11.673	0
11/15/2023@05:30:00.000 PM	0.669	98.317	19.412	16.454	19.82	0
11/15/2023@05:40:00.000 PM	0.789	104.309	12.746	11.128	12.998	0
11/15/2023@05:50:00.000 PM	0.841	106.683	12.561	10.642	12.357	0
11/15/2023@06:00:00.000 PM	0.796	103.888	13.782	12.042	13.736	0
11/15/2023@06:10:00.000 PM	0.88	107.445	13.093	11.193	12.638	0
11/15/2023@06:20:00.000 PM	0.941	106.458	11.935	10.884	12.405	0
11/15/2023@06:30:00.000 PM	0.715	108.894	12.235	10.834	12.604	0
11/15/2023@06:40:00.000 PM	0.833	114.724	11.906	10.227	11.987	0
11/15/2023@06:50:00.000 PM	0.935	110.549	12.322	10.414	12.512	0
11/15/2023@07:00:00.000 PM	0.888	109.167	11.846	10.203	11.992	0

11/15/2023@07:10:00.000 PM	0.959	114.863	12.615	10.439	12.399	0
11/15/2023@07:20:00.000 PM	0.906	115.657	11.763	10.324	11.994	0
11/15/2023@07:30:00.000 PM	0.837	114.715	12.282	10.87	12.517	0
11/15/2023@07:40:00.000 PM	0.698	117.079	12.217	10.695	12.319	0
11/15/2023@07:50:00.000 PM	0.668	107.583	13.392	11.418	13.149	0
11/15/2023@08:00:00.000 PM	0.813	113.895	11.736	10.324	11.825	0.484
11/15/2023@08:10:00.000 PM	1.354	104.048	12.597	9.647	11.766	0
11/15/2023@08:20:00.000 PM	0.815	109.925	11.897	10.302	11.893	0
11/15/2023@08:30:00.000 PM	0.711	116.905	10.313	9.474	10.707	0
11/15/2023@08:40:00.000 PM	0.693	121.582	10.924	9.838	10.967	0
11/15/2023@08:50:00.000 PM	1.105	114.608	10.871	9.711	11.35	0
11/15/2023@09:00:00.000 PM	0.886	113.957	11.147	9.889	11.379	0
11/15/2023@09:10:00.000 PM	0.781	108.781	11.031	9.888	11.143	0
11/15/2023@09:20:00.000 PM	1.026	122.616	10.809	9.797	10.98	0
11/15/2023@09:30:00.000 PM	0.768	121.015	10.828	10.052	11.226	0.388
11/15/2023@09:40:00.000 PM	0.843	116.884	11.506	9.879	11.201	0

11/15/2023@09:50:00.000 PM	0.8	114.571	11.688	10.284	11.818	0
11/15/2023@10:00:00.000 PM	0.852	103.865	11.715	10.38	11.785	0
11/15/2023@10:10:00.000 PM	0.746	108.674	11.478	10.256	11.781	0
11/15/2023@10:20:00.000 PM	0.721	110.35	10.986	9.81	11.102	0
11/15/2023@10:30:00.000 PM	0.766	110.414	10.66	9.708	11.049	0
11/15/2023@10:40:00.000 PM	1.049	105.844	11.158	9.756	11.295	0
11/15/2023@10:50:00.000 PM	0.734	113.502	11.535	10.436	11.766	0
11/15/2023@11:00:00.000 PM	0.774	105.294	11.476	10.272	11.602	0.559
11/15/2023@11:10:00.000 PM	0.752	107.421	11.321	10.145	11.784	0.303
11/15/2023@11:20:00.000 PM	0.662	113.879	10.359	9.764	10.934	0
11/15/2023@11:30:00.000 PM	0.744	114.211	10.66	9.97	10.976	0
11/15/2023@11:40:00.000 PM	0.712	115.524	11.87	10.331	11.58	0
11/15/2023@11:50:00.000 PM	0.895	107.704	10.699	9.538	10.649	0
11/16/2023@12:00:00.000 AM	0.774	108.854	10.371	9.305	10.645	0.415
11/16/2023@12:10:00.000 AM	0.75	110.839	9.448	8.952	9.776	0
11/16/2023@12:20:00.000 AM	0.809	110.486	10.12	9.405	10.474	0

11/16/2023@12:30:00.000 AM	0.848	104.621	10.786	9.781	10.986	0
11/16/2023@12:40:00.000 AM	0.791	124.453	11.08	9.825	11.348	0
11/16/2023@12:50:00.000 AM	0.802	98.649	10.853	9.816	11.222	0
11/16/2023@01:00:00.000 AM	0.785	102.703	10.808	9.755	11.313	0
11/16/2023@01:10:00.000 AM	0.836	104.647	9.251	8.931	10.117	0
11/16/2023@01:20:00.000 AM	0.765	103.406	9.952	9.442	10.72	0
11/16/2023@01:30:00.000 AM	0.785	100.295	10.565	9.919	11.254	0.611
11/16/2023@01:40:00.000 AM	0.734	96.826	10.944	10.042	11.401	0
11/16/2023@01:50:00.000 AM	0.679	101.486	10.887	9.859	10.916	0.45
11/16/2023@02:00:00.000 AM	0.809	102.782	11.021	10.232	11.423	0
11/16/2023@02:10:00.000 AM	0.681	105.739	10.326	9.776	10.861	0
11/16/2023@02:20:00.000 AM	1.011	105.519	11.11	10.027	11.634	0
11/16/2023@02:30:00.000 AM	0.817	97.606	11.822	10.382	11.818	0.308
11/16/2023@02:40:00.000 AM	0.742	101.79	11.157	10.226	11.32	0
11/16/2023@02:50:00.000 AM	0.59	104.9	9.767	9.36	10.138	0
11/16/2023@03:00:00.000 AM	0.656	97.177	9.377	8.923	9.897	0

11/16/2023@03:10:00.000 AM	0.656	99.826	10.246	9.348	10.717	0
11/16/2023@03:20:00.000 AM	0.615	99.74	10.394	9.314	10.568	0
11/16/2023@03:30:00.000 AM	0.682	99.079	10.894	9.931	11.542	0
11/16/2023@03:40:00.000 AM	0.743	133.085	10.589	9.829	10.901	0
11/16/2023@03:50:00.000 AM	0.779	105.273	10.137	9.598	10.856	0
11/16/2023@04:00:00.000 AM	0.555	89.998	10.219	9.595	10.975	0
11/16/2023@04:10:00.000 AM	0.626	98.837	10.397	9.501	10.881	0
11/16/2023@04:20:00.000 AM	0.672	93.39	10.739	9.892	11.302	0.432
11/16/2023@04:30:00.000 AM	0.607	95.748	10.443	9.701	10.734	0.659
11/16/2023@04:40:00.000 AM	0.746	103.729	9.947	9.621	10.591	0.467
11/16/2023@04:50:00.000 AM	0.731	113.403	10.015	9.369	10.919	0.617
11/16/2023@05:00:00.000 AM	0.584	100.857	10.063	9.46	10.621	0
11/16/2023@05:10:00.000 AM	0.61	97.293	10.875	10.041	11.191	0
11/16/2023@05:20:00.000 AM	1.045	100.625	11.484	9.205	10.777	0.436
11/16/2023@05:30:00.000 AM	0.745	98.375	10.895	9.577	10.868	0
11/16/2023@05:40:00.000 AM	1.017	111.836	10.053	9.194	10.668	0

11/16/2023@05:50:00.000 AM	0.795	97.847	9.832	9.359	10.382	0.407
11/16/2023@06:00:00.000 AM	0.618	102.373	10.747	9.766	10.821	0
11/16/2023@06:10:00.000 AM	0.654	101.709	11.037	10.015	11.035	0
11/16/2023@06:20:00.000 AM	0.608	100.544	10.751	9.897	10.972	0
11/16/2023@06:30:00.000 AM	0.774	103.767	10.491	9.461	10.721	0.315
11/16/2023@06:40:00.000 AM	0.68	95.346	9.639	9.085	10.283	0
11/16/2023@06:50:00.000 AM	0.689	101.491	10.216	9.448	10.73	0
11/16/2023@07:00:00.000 AM	0.646	95.533	10.799	9.901	11.181	0
11/16/2023@07:10:00.000 AM	0.715	97.665	10.42	9.557	10.704	0
11/16/2023@07:20:00.000 AM	0.649	97.731	10.345	9.593	10.658	0
11/16/2023@07:30:00.000 AM	0.792	93.933	10.062	9.475	10.508	0.326
11/16/2023@07:40:00.000 AM	0.739	92.995	9.931	9.168	10.597	0.337
11/16/2023@07:50:00.000 AM	0.782	99.537	10.218	9.274	10.711	0
11/16/2023@08:00:00.000 AM	0.777	96.755	10.573	9.394	10.825	0
11/16/2023@08:10:00.000 AM	0.736	102.555	9.79	9.282	10.473	0
11/16/2023@08:20:00.000 AM	0.683	107.241	9.192	8.96	9.762	0

11/16/2023@08:30:00.000 AM	0.761	107.054	9.151	8.764	10.021	0
11/16/2023@08:40:00.000 AM	0.759	100.491	9.285	8.802	9.945	0
11/16/2023@08:50:00.000 AM	0.838	100.535	9.672	9.066	10.383	0
11/16/2023@09:00:00.000 AM	0.887	106.03	10.841	9.253	10.567	0
11/16/2023@09:10:00.000 AM	0.82	102.554	11.027	9.899	10.945	0
11/16/2023@09:20:00.000 AM	0.715	104.235	11.004	9.906	11.351	0
11/16/2023@09:30:00.000 AM	0.71	107.075	11.707	10.409	11.828	0
11/16/2023@09:40:00.000 AM	0.79	101.916	12.003	10.944	12.433	0
11/16/2023@09:50:00.000 AM	0.791	105.647	12.234	10.764	12.259	0.363
11/16/2023@10:00:00.000 AM	1.038	108.252	12.644	10.798	12.707	0
11/16/2023@10:10:00.000 AM	0.928	108.781	12.191	10.265	12.027	0
11/16/2023@10:20:00.000 AM	0.739	107.345	11.575	10.389	12.227	0
11/16/2023@10:30:00.000 AM	0.966	106.46	12.444	10.701	12.179	0
11/16/2023@10:40:00.000 AM	0.776	116.356	12.937	11.352	12.829	0.354
11/16/2023@10:50:00.000 AM	0.731	109.454	12.093	10.703	12.349	0
11/16/2023@11:00:00.000 AM	0.78	109.427	11.854	10.458	12.061	0

11/16/2023@11:10:00.000 AM	1.105	105.938	12.622	10.18	12.477	0
11/16/2023@11:20:00.000 AM	1.005	107.665	12.267	10.451	12.267	0
11/16/2023@11:30:00.000 AM	0.645	116.834	12.469	10.862	12.536	0
11/16/2023@11:40:00.000 AM	0.761	105.783	13.057	11.32	13.275	0.508
11/16/2023@11:50:00.000 AM	0.903	116.368	12.857	11.034	12.979	0.314
11/16/2023@12:00:00.000 PM	0.749	108.355	13.192	11.621	13.725	0
11/16/2023@12:10:00.000 PM	0.707	115.332	12.669	11.014	12.929	0
11/16/2023@12:20:00.000 PM	0.846	110.044	12.294	10.41	11.993	0
11/16/2023@12:30:00.000 PM	1.122	102.768	14.02	10.226	13.658	0
11/16/2023@12:40:00.000 PM	1.152	110.161	13.387	10.252	12.866	0
11/16/2023@12:50:00.000 PM	1.071	119.906	11.734	10.083	12.205	0
11/16/2023@01:00:00.000 PM	1.423	119.359	11.5	44.129	11.912	0
11/16/2023@01:10:00.000 PM	0.762	111.412	12.016	10.071	11.735	0
11/16/2023@01:20:00.000 PM	0.811	106.883	11.701	10.476	12.323	0
11/16/2023@01:30:00.000 PM	0.616	107.721	13.012	11.244	13.408	0.793
11/16/2023@01:40:00.000 PM	0.555	111.831	12.572	10.808	12.63	0

11/16/2023@01:50:00.000 PM	0.577	117.568	11.795	10.419	12.001	0.438
11/16/2023@02:00:00.000 PM	0.558	101.958	12.66	11.166	12.91	0
11/16/2023@02:10:00.000 PM	0.73	108.534	12.829	11.138	12.862	0
11/16/2023@02:20:00.000 PM	0.558	111.602	12.051	10.581	12.438	0.566
11/16/2023@02:30:00.000 PM	0.675	105.847	12.145	10.589	12.287	0.321
11/16/2023@02:40:00.000 PM	0.668	106.718	11.393	10.115	11.307	0.536
11/16/2023@02:50:00.000 PM	0.71	108.453	12.343	10.666	12.26	0
11/16/2023@03:00:00.000 PM	0.811	108.468	12.011	10.427	12.014	0
11/16/2023@03:10:00.000 PM	0.725	103.453	12.188	10.837	12.348	0
11/16/2023@03:20:00.000 PM	0.657	108.201	11.042	9.971	11.564	0
11/16/2023@03:30:00.000 PM	0.582	104.357	11.946	10.499	12.182	0
11/16/2023@03:40:00.000 PM	0.653	97.727	12.087	10.863	12.084	0
11/16/2023@03:50:00.000 PM	0.608	100.366	12.262	10.833	12.474	0
11/16/2023@04:00:00.000 PM	0.593	109.04	11.255	10.127	11.536	0
11/16/2023@04:10:00.000 PM	0.561	107.663	11.344	10.163	11.743	0
11/16/2023@04:20:00.000 PM	0.606	126.018	11.457	10.092	11.635	0

11/16/2023@04:30:00.000 PM	0.611	99.258	11.986	10.694	12.258	0
11/16/2023@04:40:00.000 PM	0.65	103.194	12.46	10.841	12.303	0
11/16/2023@04:50:00.000 PM	0.753	103.949	11.828	10.463	11.854	0
11/16/2023@05:00:00.000 PM	0.971	105.242	12.438	10.082	11.86	0
11/16/2023@05:10:00.000 PM	0.646	104.736	12.086	10.558	12.343	0
11/16/2023@05:20:00.000 PM	0.746	103.863	12.715	10.899	13.039	0
11/16/2023@05:30:00.000 PM	0.757	98.586	12.597	11.129	13.12	0
11/16/2023@05:40:00.000 PM	0.716	102.218	12.401	10.627	12.858	0.372
11/16/2023@05:50:00.000 PM	0.652	110.578	12.356	10.676	12.531	0
11/16/2023@06:00:00.000 PM	0.744	107.396	12.947	11.204	13.229	0
11/16/2023@06:10:00.000 PM	0.886	107.476	11.753	10.341	12.014	0.44
11/16/2023@06:20:00.000 PM	1.1	107.422	11.822	10.347	11.794	0
11/16/2023@06:30:00.000 PM	0.742	109.7	11.315	10.036	11.527	0
11/16/2023@06:40:00.000 PM	0.7	106.697	10.678	9.385	10.642	0
11/16/2023@06:50:00.000 PM	0.727	97.332	10.748	9.648	11.012	0
11/16/2023@07:00:00.000 PM	0.893	110.919	10.954	9.665	11.191	0

11/16/2023@07:10:00.000 PM	0.824	105.396	10.307	9.625	10.488	0
11/16/2023@07:20:00.000 PM	0.729	109.625	10.112	9.384	10.307	0
11/16/2023@07:30:00.000 PM	0.748	121.319	10.277	9.418	10.689	0.598
11/16/2023@07:40:00.000 PM	0.739	113.2	10.445	9.66	10.894	0
11/16/2023@07:50:00.000 PM	0.616	164.203	16.644	15.987	17.323	0
11/16/2023@08:00:00.000 PM	0.791	149.026	11.668	11.297	12.234	0
11/16/2023@08:10:00.000 PM	0.795	139.3	15.67	15.128	16.688	0.316
11/16/2023@08:20:00.000 PM	0.866	147.99	14.446	13.929	14.187	0
11/16/2023@08:30:00.000 PM	0.894	149.789	10.532	10.321	10.572	0.797
11/16/2023@08:40:00.000 PM	1.021	145.588	8.491	8.268	8.143	0
11/16/2023@08:50:00.000 PM	0.835	110.598	12.88	11.625	13.057	0
11/16/2023@09:00:00.000 PM	0.822	122.577	11.507	10.618	11.444	0
11/16/2023@09:10:00.000 PM	0.754	117.692	11.072	10.075	11.233	0
11/16/2023@09:20:00.000 PM	0.769	105.737	13.222	10.849	12.204	0.542
11/16/2023@09:30:00.000 PM	0.835	113.198	11.504	10.435	11.623	0
11/16/2023@09:40:00.000 PM	0.698	111.976	11.062	10.282	11.474	0

11/16/2023@09:50:00.000 PM	0.688	117.105	11.444	10.531	11.632	0
11/16/2023@10:00:00.000 PM	0.726	119.18	11.68	10.68	11.505	0.671
11/16/2023@10:10:00.000 PM	0.771	109.272	12.22	10.569	12.058	0
11/16/2023@10:20:00.000 PM	0.9	112.127	10.773	9.464	11.123	0
11/16/2023@10:30:00.000 PM	0.892	113.988	10.695	9.542	10.932	0
11/16/2023@10:40:00.000 PM	0.977	112.738	9.754	9.215	10.478	0
11/16/2023@10:50:00.000 PM	0.786	112.555	11.077	9.831	10.943	0
11/16/2023@11:00:00.000 PM	0.681	111.993	10.505	9.595	10.878	0
11/16/2023@11:10:00.000 PM	0.834	115.844	10.567	9.473	10.864	0
11/16/2023@11:20:00.000 PM	0.777	110.515	10.132	9.526	10.439	0
11/16/2023@11:30:00.000 PM	0.718	120.61	10.421	9.581	10.467	0
11/16/2023@11:40:00.000 PM	0.695	111.723	16.627	14.419	16.379	0
11/16/2023@11:50:00.000 PM	0.979	114.408	11.827	10.291	11.986	0
11/17/2023@12:00:00.000 AM	0.832	114.502	10.261	9.753	11.033	0
11/17/2023@12:10:00.000 AM	0.94	104.692	10.095	9.809	11.009	0
11/17/2023@12:20:00.000 AM	0.857	110.606	10.126	9.621	10.963	0

11/17/2023@12:30:00.000 AM	1.012	105.082	10.46	9.467	11.126	0
11/17/2023@12:40:00.000 AM	0.959	109.393	10.85	9.498	10.743	0
11/17/2023@12:50:00.000 AM	0.775	104.135	9.879	9.722	10.752	0
11/17/2023@01:00:00.000 AM	0.764	101.358	9.343	9.01	10.057	0
11/17/2023@01:10:00.000 AM	0.852	106.053	9.589	8.933	10.103	0
11/17/2023@01:20:00.000 AM	0.836	109.992	9.255	8.687	9.811	0
11/17/2023@01:30:00.000 AM	0.655	104.425	9.65	9.198	10.133	0
11/17/2023@01:40:00.000 AM	0.736	104.167	9.034	8.829	9.673	0
11/17/2023@01:50:00.000 AM	0.769	102.196	9.351	8.972	10.058	0
11/17/2023@02:00:00.000 AM	0.766	106.124	9.407	8.862	9.882	0
11/17/2023@02:10:00.000 AM	0.69	103.616	10.177	9.498	10.851	0.301
11/17/2023@02:20:00.000 AM	0.749	102.891	10.173	9.526	10.801	0
11/17/2023@02:30:00.000 AM	0.657	103.31	9.951	9.515	10.421	0
11/17/2023@02:40:00.000 AM	0.981	102.111	10.424	9.187	10.462	0
11/17/2023@02:50:00.000 AM	0.799	103.323	10.018	9.404	10.356	0
11/17/2023@03:00:00.000 AM	0.896	108.912	9.821	9.084	10.333	0

11/17/2023@03:10:00.000 AM	0.658	101.833	9.981	9.295	10.53	0
11/17/2023@03:20:00.000 AM	0.664	106.838	10.258	9.668	10.588	0
11/17/2023@03:30:00.000 AM	0.623	102.092	9.602	9.264	10.084	0
11/17/2023@03:40:00.000 AM	0.557	112.385	9.614	9.164	9.891	0
11/17/2023@03:50:00.000 AM	0.597	108.856	9.413	8.714	9.642	0
11/17/2023@04:00:00.000 AM	0.914	104.265	9.667	8.15	9.383	0
11/17/2023@04:10:00.000 AM	0.866	104.56	9.764	8.641	9.743	0
11/17/2023@04:20:00.000 AM	0.699	96.569	8.837	8.579	9.596	0
11/17/2023@04:30:00.000 AM	0.667	99.928	8.988	8.539	9.546	0
11/17/2023@04:40:00.000 AM	0.653	101.587	9.579	8.869	9.955	0
11/17/2023@04:50:00.000 AM	0.921	102.951	9.24	8.623	9.83	0.334
11/17/2023@05:00:00.000 AM	0.595	106.209	9.824	8.739	10.066	0
11/17/2023@05:10:00.000 AM	0.675	97.868	8.958	8.445	9.398	0.998
11/17/2023@05:20:00.000 AM	0.637	101.177	9.789	9.346	10.414	0
11/17/2023@05:30:00.000 AM	0.672	94.946	10.976	10.161	11.452	0
11/17/2023@05:40:00.000 AM	0.66	96.68	10.417	9.718	11.04	0.325

11/17/2023@05:50:00.000 AM	0.972	109.378	10.112	9.051	11	0
11/17/2023@06:00:00.000 AM	0.883	104.88	9.71	9.17	10.36	0.485
11/17/2023@06:10:00.000 AM	0.655	112.095	9.041	8.899	9.893	0.57
11/17/2023@06:20:00.000 AM	0.831	108.51	10.796	9.431	10.326	0
11/17/2023@06:30:00.000 AM	0.847	109.623	11.625	9.737	10.805	0
11/17/2023@06:40:00.000 AM	0.665	110.178	10.661	9.529	10.224	0
11/17/2023@06:50:00.000 AM	0.618	112.955	9.246	8.86	9.696	0
11/17/2023@07:00:00.000 AM	0.686	110.728	8.933	8.48	9.558	0
11/17/2023@07:10:00.000 AM	0.663	103.805	9.926	9.306	10.388	0
11/17/2023@07:20:00.000 AM	0.607	112.571	9.229	8.701	9.966	0
11/17/2023@07:30:00.000 AM	0.773	99.423	9.403	8.631	10.024	0
11/17/2023@07:40:00.000 AM	0.977	103.48	9.809	8.337	9.463	0.55
11/17/2023@07:50:00.000 AM	0.844	112.727	8.593	8.316	9.4	0
11/17/2023@08:00:00.000 AM	0.764	110.698	9.605	8.887	10.142	0.3
11/17/2023@08:10:00.000 AM	0.868	100.944	9.309	8.361	9.789	0
11/17/2023@08:20:00.000 AM	0.863	105.896	8.924	8.294	9.566	0

11/17/2023@08:30:00.000 AM	0.746	111.511	8.854	8.484	9.391	0
11/17/2023@08:40:00.000 AM	0.819	102.945	8.925	8.456	9.51	0
11/17/2023@08:50:00.000 AM	0.786	110.68	9.724	9.152	10.414	0
11/17/2023@09:00:00.000 AM	0.961	111.095	10.387	9.083	10.693	0
11/17/2023@09:10:00.000 AM	0.759	110.293	10.993	9.91	11.249	0
11/17/2023@09:20:00.000 AM	0.776	107.401	10.085	9.551	10.813	0
11/17/2023@09:30:00.000 AM	1.017	110.693	11.193	9.277	11.11	0
11/17/2023@09:40:00.000 AM	0.788	107.594	10.369	9.315	10.877	0
11/17/2023@09:50:00.000 AM	0.733	96.732	10.774	9.521	11.307	0
11/17/2023@10:00:00.000 AM	1.069	107.109	9.606	9.356	10.917	0
11/17/2023@10:10:00.000 AM	0.901	113.479	9.367	9.099	10.465	0
11/17/2023@10:20:00.000 AM	0.835	112.126	11.682	10.506	12.272	0
11/17/2023@10:30:00.000 AM	1.172	113.057	11.533	9.304	11.168	0
11/17/2023@10:40:00.000 AM	0.93	120.518	11.311	9.568	11.09	0
11/17/2023@10:50:00.000 AM	0.718	111.476	11.227	9.818	11.396	0
11/17/2023@11:00:00.000 AM	0.885	109.881	11.254	9.598	11.124	0

11/17/2023@11:10:00.000 AM	0.887	111.497	11.222	9.66	11.785	0
11/17/2023@11:20:00.000 AM	0.967	111.833	10.26	9.37	10.826	0
11/17/2023@11:30:00.000 AM	0.724	114.506	10.73	9.39	11.058	0
11/17/2023@11:40:00.000 AM	0.897	106.091	13.333	11.499	13.977	0.71
11/17/2023@11:50:00.000 AM	0.819	112.834	10.879	42.584	11.35	0
11/17/2023@12:00:00.000 PM	0.79	108.123	10.719	42.58	10.848	0.514
11/17/2023@12:10:00.000 PM	0.813	115.157	10.413	9.295	10.746	0
11/17/2023@12:20:00.000 PM	0.976	111.502	10.587	9.41	10.662	0
11/17/2023@12:30:00.000 PM	0.805	112.833	10.602	9.567	11.271	0
11/17/2023@12:40:00.000 PM	0.788	109.316	10.886	9.888	11.018	0
11/17/2023@12:50:00.000 PM	0.684	111.661	11.467	10.115	11.875	0
11/17/2023@01:00:00.000 PM	0.892	116.77	12.17	10.912	12.577	0.324
11/17/2023@01:10:00.000 PM	0.622	112.241	12.377	10.862	12.626	0
11/17/2023@01:20:00.000 PM	0.719	108.7	12.705	10.918	12.76	0
11/17/2023@01:30:00.000 PM	0.581	108.344	13.4	11.667	13.545	0
11/17/2023@01:40:00.000 PM	0.55	115.56	14.218	11.892	14.027	0

11/17/2023@01:50:00.000 PM	0.618	113.022	13.65	12.093	13.862	0
11/17/2023@02:00:00.000 PM	0.847	110.442	13.348	12.059	14.538	0.665
11/17/2023@02:10:00.000 PM	0.833	107.156	14.101	11.897	13.662	0
11/17/2023@02:20:00.000 PM	0.578	106.231	14.002	12.268	14.409	0
11/17/2023@02:30:00.000 PM	0.522	111.066	13.944	12.29	14.27	0
11/17/2023@02:40:00.000 PM	0.677	111.548	13.33	11.136	13.351	0.305
11/17/2023@02:50:00.000 PM	0.622	102.468	12.694	11.499	13.368	0.5
11/17/2023@03:00:00.000 PM	0.52	108.91	11.878	10.94	12.44	0
11/17/2023@03:10:00.000 PM	1.176	103.091	35.712	9.868	12.274	29.971
11/17/2023@03:20:00.000 PM	0.749	112.917	10.926	10.087	11.362	0
11/17/2023@03:30:00.000 PM	0.599	99.867	12.109	10.301	12.119	0
11/17/2023@03:40:00.000 PM	0.844	102.896	12.741	10.856	12.665	0
11/17/2023@03:50:00.000 PM	0.522	91.534	12.371	10.509	12.004	0
11/17/2023@04:00:00.000 PM	0.593	91.007	11.503	10.241	11.513	0
11/17/2023@04:10:00.000 PM	0.484	83.038	10.785	10.201	11.334	0
11/17/2023@04:20:00.000 PM	0.519	97.081	11.064	9.955	11.028	0

11/17/2023@04:30:00.000 PM	0.438	77.338	11.462	10.468	11.886	0
11/17/2023@04:40:00.000 PM	0.436	86.362	11.025	10.261	11.466	0
11/17/2023@04:50:00.000 PM	0.338	89.046	11.366	10.418	11.268	0.321
11/17/2023@05:00:00.000 PM	0.863	92.923	11.852	10.041	11.583	0
11/17/2023@05:10:00.000 PM	0.274	91.154	10.154	9.893	10.751	0
11/17/2023@05:20:00.000 PM	0.303	83.464	36.092	10.327	11.08	31.433
11/17/2023@05:30:00.000 PM	0.36	110.275	10.38	10.101	11.171	0
11/17/2023@05:40:00.000 PM	0.357	77.82	10.666	10.215	11.044	0.339
11/17/2023@05:50:00.000 PM	0.444	71.569	11.173	10.966	11.755	0
11/17/2023@06:00:00.000 PM	0.582	89.841	10.899	10.077	11.197	0
11/17/2023@06:10:00.000 PM	0.417	80.794	10.677	10.667	11.559	0
11/17/2023@06:20:00.000 PM	0.522	88.037	10.994	10.771	11.541	0
11/17/2023@06:30:00.000 PM	0.363	107.863	10.717	10.301	11.322	0
11/17/2023@06:40:00.000 PM	0.47	70.568	11.287	10.844	11.999	0
11/17/2023@06:50:00.000 PM	0.466	87.098	10.487	10.147	11.176	0
11/17/2023@07:00:00.000 PM	0.435	75.536	11.046	10.65	11.921	0

11/17/2023@07:10:00.000 PM	0.333	80.824	10.731	10.684	11.679	0
11/17/2023@07:20:00.000 PM	0.494	87.725	10.913	10.566	11.655	0
11/17/2023@07:30:00.000 PM	0.525	90.266	10.983	10.521	12.041	0
11/17/2023@07:40:00.000 PM	0.426	93.8	11.528	10.863	12.298	0
11/17/2023@07:50:00.000 PM	0.557	83.65	11.666	11.028	12.561	0
11/17/2023@08:00:00.000 PM	0.482	83.757	11.817	11.002	12.422	0
11/17/2023@08:10:00.000 PM	0.77	83.802	11.49	10.935	12.575	0
11/17/2023@08:20:00.000 PM	0.571	97.571	11.535	10.982	12.184	0.397
11/17/2023@08:30:00.000 PM	0.763	96.995	11.909	10.852	12.252	0.37
11/17/2023@08:40:00.000 PM	0.493	88.667	11.477	11.128	12.264	0
11/17/2023@08:50:00.000 PM	0.733	86.916	11.673	11.029	12.181	0
11/17/2023@09:00:00.000 PM	0.554	85.366	11.78	11.15	12.401	0
11/17/2023@09:10:00.000 PM	0.737	90.137	12.284	11.232	12.695	0
11/17/2023@09:20:00.000 PM	0.515	96.152	12.18	11.134	12.45	0
11/17/2023@09:30:00.000 PM	0.501	102.314	11.911	11.182	12.365	0
11/17/2023@09:40:00.000 PM	0.595	93.963	12.196	11.3	12.684	0

11/17/2023@09:50:00.000 PM	0.674	99.219	12.275	11.313	12.657	0
11/17/2023@10:00:00.000 PM	0.506	87.274	12.06	11.497	12.557	0
11/17/2023@10:10:00.000 PM	0.593	93.564	12.823	11.655	13.212	0
11/17/2023@10:20:00.000 PM	0.676	97.298	11.967	10.816	12.095	0
11/17/2023@10:30:00.000 PM	0.69	106.044	11.833	10.667	12.047	0
11/17/2023@10:40:00.000 PM	0.835	89.917	12.396	11.437	13.028	0
11/17/2023@10:50:00.000 PM	0.502	117.494	12.432	11.344	12.361	0
11/17/2023@11:00:00.000 PM	0.602	99.204	12.32	11.201	12.796	0
11/17/2023@11:10:00.000 PM	0.654	105.663	11.896	10.536	11.996	0.345
11/17/2023@11:20:00.000 PM	0.838	104.727	12.112	10.605	12.049	0
11/17/2023@11:30:00.000 PM	0.563	110.43	11.962	10.824	12.232	0
11/17/2023@11:40:00.000 PM	0.831	103.313	11.444	10.374	11.505	0
11/17/2023@11:50:00.000 PM	0.746	102.441	12.167	10.918	12.342	0
11/18/2023@12:00:00.000 AM	0.749	105.076	11.072	10.409	11.69	0
11/18/2023@12:10:00.000 AM	0.746	105.531	11.127	10.459	11.902	0
11/18/2023@12:20:00.000 AM	0.718	83.073	10.448	10.332	11.847	0

11/18/2023@12:30:00.000 AM	0.539	98.126	11.062	10.557	11.846	0
11/18/2023@12:40:00.000 AM	0.552	96.893	10.3	9.952	11.005	0
11/18/2023@12:50:00.000 AM	0.649	92.88	10.498	10.028	11.256	0
11/18/2023@01:00:00.000 AM	0.98	98.929	10.763	9.902	11.351	0
11/18/2023@01:10:00.000 AM	1.323	95.531	11.903	9.237	11.824	0.55
11/18/2023@01:20:00.000 AM	0.795	100.469	10.915	9.737	11.116	0
11/18/2023@01:30:00.000 AM	0.64	100.992	10.303	9.412	10.591	0
11/18/2023@01:40:00.000 AM	0.762	96.332	10.637	9.488	10.866	0
11/18/2023@01:50:00.000 AM	0.594	95.422	9.786	9.489	10.452	0
11/18/2023@02:00:00.000 AM	0.628	103.356	9.783	9.354	10.659	0
11/18/2023@02:10:00.000 AM	0.714	96.355	10.34	9.692	11.256	0.522
11/18/2023@02:20:00.000 AM	0.846	103.835	10.541	9.672	11.21	0
11/18/2023@02:30:00.000 AM	0.54	93.783	10.453	9.809	11.252	0
11/18/2023@02:40:00.000 AM	0.33	98.754	9.619	9.018	10.295	0
11/18/2023@02:50:00.000 AM	0.527	108.21	10.112	9.493	10.717	0
11/18/2023@03:00:00.000 AM	0.816	112.344	10.063	9.328	10.771	0.849

11/18/2023@03:10:00.000 AM	0.646	100.08	9.917	9.286	10.582	0
11/18/2023@03:20:00.000 AM	0.571	96.745	9.636	9.123	10.173	0
11/18/2023@03:30:00.000 AM	0.183	134.186	9.915	9.337	10.376	0
11/18/2023@03:40:00.000 AM	0.905	107.229	11.555	8.859	11.062	0.421
11/18/2023@03:50:00.000 AM	0.744	100.395	10.803	9.467	11.068	0.422
11/18/2023@04:00:00.000 AM	0.628	97.076	10.918	9.984	11.39	0
11/18/2023@04:10:00.000 AM	0.708	97.144	10.506	9.518	10.887	0
11/18/2023@04:20:00.000 AM	0.536	98.761	11.363	9.988	11.203	0
11/18/2023@04:30:00.000 AM	0.506	90.041	10.943	9.597	10.597	0.62
11/18/2023@04:40:00.000 AM	0.388	100.275	10.379	9.236	10.375	0
11/18/2023@04:50:00.000 AM	0.593	95.909	9.496	8.678	9.746	0.338
11/18/2023@05:00:00.000 AM	0.555	103.145	9.9	9.153	10.116	0
11/18/2023@05:10:00.000 AM	0.475	108.303	9.568	8.836	9.695	0
11/18/2023@05:20:00.000 AM	0.776	108.547	9.938	8.702	9.972	0
11/18/2023@05:30:00.000 AM	0.613	93.836	10.229	8.962	10.285	0.724
11/18/2023@05:40:00.000 AM	0.733	99.134	10.42	8.773	10.084	0

11/18/2023@05:50:00.000 AM	0.705	95.742	11.284	9.391	10.768	0
11/18/2023@06:00:00.000 AM	0.609	96.343	9.656	8.683	10.174	0
11/18/2023@06:10:00.000 AM	0.799	92.719	10.14	8.372	9.916	0
11/18/2023@06:20:00.000 AM	0.924	90.128	9.882	8.1	9.646	0
11/18/2023@06:30:00.000 AM	0.651	90.295	10.364	9.113	10.209	0
11/18/2023@06:40:00.000 AM	0.705	89.517	9.952	8.744	9.976	0
11/18/2023@06:50:00.000 AM	0.736	89.813	9.822	8.598	10.103	0
11/18/2023@07:00:00.000 AM	1.007	99.074	9.861	8.516	10.343	0
11/18/2023@07:10:00.000 AM	0.645	96.554	11.055	9.306	11.106	0
11/18/2023@07:20:00.000 AM	0.718	96.899	10.918	9.523	10.797	0
11/18/2023@07:30:00.000 AM	0.793	93.798	11.502	9.688	11.296	0.318
11/18/2023@07:40:00.000 AM	0.856	92.664	11.08	9.022	10.69	0
11/18/2023@07:50:00.000 AM	0.603	91.584	10.55	9.167	10.904	0.464
11/18/2023@08:00:00.000 AM	1.074	104.994	9.951	8.949	10.784	0
11/18/2023@08:10:00.000 AM	0.651	90.411	10.26	9.321	10.706	0
11/18/2023@08:20:00.000 AM	0.621	101.49	9.535	8.715	10.056	0.438

11/18/2023@08:30:00.000 AM	0.703	103.542	9.541	8.734	10.063	0.577
11/18/2023@08:40:00.000 AM	0.719	121.02	9.593	8.939	9.932	0
11/18/2023@08:50:00.000 AM	0.56	121.304	9.684	9.266	10.191	0
11/18/2023@09:00:00.000 AM	0.648	94.985	9.061	8.801	10.178	0
11/18/2023@09:10:00.000 AM	0.801	102.687	9.994	8.985	10.537	0
11/18/2023@09:20:00.000 AM	0.606	97.777	10.695	9.478	11.031	0
11/18/2023@09:30:00.000 AM	0.654	100.288	11.478	10.404	11.713	0
11/18/2023@09:40:00.000 AM	0.811	97.707	12.791	10.698	12.204	0
11/18/2023@09:50:00.000 AM	0.708	93.065	12.482	10.925	12.495	0
11/18/2023@10:00:00.000 AM	0.593	96.829	11.162	10.048	11.307	0
11/18/2023@10:10:00.000 AM	0.481	96.545	10.955	9.808	11.317	0
11/18/2023@10:20:00.000 AM	0.624	83.899	11.489	10.335	11.486	0
11/18/2023@10:30:00.000 AM	0.485	100.356	11.289	10.506	11.644	0
11/18/2023@10:40:00.000 AM	0.447	94.342	11.458	10.618	11.912	0.399
11/18/2023@10:50:00.000 AM	0.49	90.356	11.486	10.429	11.834	0
11/18/2023@11:00:00.000 AM	0.424	92.5	11.293	10.07	11.459	0

11/18/2023@11:10:00.000 AM	0.578	97.056	11.12	10.433	11.789	0
11/18/2023@11:20:00.000 AM	0.399	98.031	11.226	10.5	11.633	0
11/18/2023@11:30:00.000 AM	0.458	100.998	11.434	10.601	11.866	0
11/18/2023@11:40:00.000 AM	0.396	98.502	11.182	10.177	12.099	0
11/18/2023@11:50:00.000 AM	0.475	93.907	11.447	10.207	11.869	0
11/18/2023@12:00:00.000 PM	0.542	97.321	11.39	10.456	11.753	0
11/18/2023@12:10:00.000 PM	0.47	94.123	10.703	10.354	11.635	0.496
11/18/2023@12:20:00.000 PM	0.475	104.65	11.54	10.517	11.481	0.605
11/18/2023@12:30:00.000 PM	0.452	87.433	11.893	10.58	12.224	0
11/18/2023@12:40:00.000 PM	0.447	92.079	11.694	10.425	12.145	0
11/18/2023@12:50:00.000 PM	0.42	91.693	11.297	10.265	11.802	0
11/18/2023@01:00:00.000 PM	0.559	106.185	11.413	10.342	11.852	0
11/18/2023@01:10:00.000 PM	0.396	100.339	11.748	10.672	12.005	0.325
11/18/2023@01:20:00.000 PM	0.489	87.041	11.994	10.487	12.162	0
11/18/2023@01:30:00.000 PM	0.482	103.792	10.929	9.739	11.037	0
11/18/2023@01:40:00.000 PM	0.487	100.683	11.153	9.717	11.306	0

11/18/2023@01:50:00.000 PM	0.525	97.056	11.227	10.316	11.611	0
11/18/2023@02:00:00.000 PM	0.381	93.947	10.521	9.92	10.975	0
11/18/2023@02:10:00.000 PM	0.709	86.651	11.549	9.935	11.1	0.314
11/18/2023@02:20:00.000 PM	0.5	121.804	11.281	10.365	11.146	0
11/18/2023@02:30:00.000 PM	0.517	98.372	12.75	10.702	12.057	0
11/18/2023@02:40:00.000 PM	0.311	108.842	11.759	11.093	11.971	0
11/18/2023@02:50:00.000 PM	0.364	87.014	11.098	10.201	11.463	0
11/18/2023@03:00:00.000 PM	0.313	95.568	10.877	10.168	11.196	0
11/18/2023@03:10:00.000 PM	0.694	86.362	11.039	10.092	11.315	0.381
11/18/2023@03:20:00.000 PM	0.398	107.738	10.207	9.716	10.579	0
11/18/2023@03:30:00.000 PM	0.318	90.217	11.277	10.181	11.628	0
11/18/2023@03:40:00.000 PM	0.339	83.155	10.676	9.746	10.835	0
11/18/2023@03:50:00.000 PM	0.321	114.191	10.419	9.684	10.474	0
11/18/2023@04:00:00.000 PM	0.534	93.186	11.037	9.811	10.751	0
11/18/2023@04:10:00.000 PM	0.446	83.936	11.086	10.434	11.565	0.437
11/18/2023@04:20:00.000 PM	0.528	91.868	11.261	10.014	11.613	0

11/18/2023@04:30:00.000 PM	0.364	107.502	11.394	10.409	11.053	0
11/18/2023@04:40:00.000 PM	0.492	109.722	10.793	10.01	10.964	0
11/18/2023@04:50:00.000 PM	0.364	92.42	11.015	10.194	11.308	0
11/18/2023@05:00:00.000 PM	0.369	83.905	11.641	10.247	11.405	0
11/18/2023@05:10:00.000 PM	0.582	95.359	12.207	10.135	11.215	0.349
11/18/2023@05:20:00.000 PM	0.638	106.971	10.996	10.029	10.923	0.423
11/18/2023@05:30:00.000 PM	0.749	110.231	11.064	9.632	10.795	0
11/18/2023@05:40:00.000 PM	0.43	90.474	11.135	10.095	11.406	0
11/18/2023@05:50:00.000 PM	0.439	99.254	11.776	10.404	11.794	0
11/18/2023@06:00:00.000 PM	0.494	97.065	11.81	10.648	11.345	0
11/18/2023@06:10:00.000 PM	0.775	101.371	11.704	9.649	11.093	0
11/18/2023@06:20:00.000 PM	0.428	78.174	11.343	10.2	11.435	0
11/18/2023@06:30:00.000 PM	0.397	85.302	11.471	10.332	11.547	0
11/18/2023@06:40:00.000 PM	0.338	105.48	11.37	10.413	11.361	0
11/18/2023@06:50:00.000 PM	0.488	99.862	11.011	10.236	11.329	0
11/18/2023@07:00:00.000 PM	0.479	96.044	11.045	9.868	11.215	0

11/18/2023@07:10:00.000 PM	0.658	92.565	11.193	10.059	11.539	0.384
11/18/2023@07:20:00.000 PM	0.58	98.626	11.093	10.165	10.975	0.338
11/18/2023@07:30:00.000 PM	0.552	92.977	11.83	10.663	12.263	0
11/18/2023@07:40:00.000 PM	0.639	87.3	11.592	10.385	11.898	0
11/18/2023@07:50:00.000 PM	0.65	105.414	10.789	10.001	61.195	0
11/18/2023@08:00:00.000 PM	0.633	102.905	11.077	9.945	11.092	0
11/18/2023@08:10:00.000 PM	0.685	87.136	11.429	44.144	11.539	0
11/18/2023@08:20:00.000 PM	0.909	96.739	12.044	10.133	11.339	0
11/18/2023@08:30:00.000 PM	0.665	99.286	11.157	10.085	11.084	0
11/18/2023@08:40:00.000 PM	0.731	106.422	11.43	10.395	11.72	0
11/18/2023@08:50:00.000 PM	0.57	96.032	11.55	10.084	11.198	0
11/18/2023@09:00:00.000 PM	0.519	97.158	11.228	10.332	11.673	0
11/18/2023@09:10:00.000 PM	0.452	112.503	11.135	10.561	11.751	0
11/18/2023@09:20:00.000 PM	0.539	95.82	12.081	11.147	12.324	0
11/18/2023@09:30:00.000 PM	0.558	99.128	11.762	10.731	12.166	0
11/18/2023@09:40:00.000 PM	0.74	101.763	11.147	10.347	11.678	0

11/18/2023@09:50:00.000 PM	0.434	101.154	10.465	10.16	11.358	0
11/18/2023@10:00:00.000 PM	0.495	93.81	11.537	10.544	11.923	0
11/18/2023@10:10:00.000 PM	0.651	84.326	10.515	10.087	10.891	0
11/18/2023@10:20:00.000 PM	0.688	82.19	11.003	10.247	11.864	0
11/18/2023@10:30:00.000 PM	0.764	95.353	10.237	9.266	10.556	0
11/18/2023@10:40:00.000 PM	0.541	85.989	10.098	9.646	10.957	0
11/18/2023@10:50:00.000 PM	0.439	102.555	10.598	10.091	10.948	0
11/18/2023@11:00:00.000 PM	0.519	87.312	10.088	9.705	11.176	0
11/18/2023@11:10:00.000 PM	0.586	85.994	36.991	9.724	10.896	32.315
11/18/2023@11:20:00.000 PM	0.402	91.461	9.88	9.801	10.635	0
11/18/2023@11:30:00.000 PM	0.748	93.14	10.115	9.228	10.288	0
11/18/2023@11:40:00.000 PM	0.858	94.61	10.201	9.712	10.914	0
11/18/2023@11:50:00.000 PM	0.602	83.971	10.303	9.872	11.137	0
11/19/2023@12:00:00.000 AM	0.641	86.647	10.214	9.955	10.989	0
11/19/2023@12:10:00.000 AM	0.642	84.097	10.04	9.964	10.977	0
11/19/2023@12:20:00.000 AM	0.454	104.548	9.584	9.685	10.302	0

11/19/2023@12:30:00.000 AM	0.496	86.417	9.745	9.634	10.525	0
11/19/2023@12:40:00.000 AM	0.47	78.562	9.921	9.615	10.685	0
11/19/2023@12:50:00.000 AM	0.569	75.504	10.297	9.676	10.729	0.416
11/19/2023@01:00:00.000 AM	0.517	69.888	10.188	9.672	10.85	0
11/19/2023@01:10:00.000 AM	0.567	67.323	10.036	9.775	10.755	0.405
11/19/2023@01:20:00.000 AM	0.5	77.51	9.574	9.569	10.345	0
11/19/2023@01:30:00.000 AM	0.439	75.572	9.944	9.673	10.706	0
11/19/2023@01:40:00.000 AM	0.449	78.239	9.847	9.568	10.425	0
11/19/2023@01:50:00.000 AM	0.614	80.8	10.262	9.873	11.123	0
11/19/2023@02:00:00.000 AM	0.516	70.428	10.077	9.673	10.787	0
11/19/2023@02:10:00.000 AM	0.406	70.429	9.418	9.168	10.166	0
11/19/2023@02:20:00.000 AM	0.569	82.268	9.555	9.383	10.406	0
11/19/2023@02:30:00.000 AM	0.524	69.03	9.541	9.547	10.423	0
11/19/2023@02:40:00.000 AM	0.456	64.512	9.261	9.526	10.343	0
11/19/2023@02:50:00.000 AM	0.563	65.144	9.085	9.144	10.084	0
11/19/2023@03:00:00.000 AM	0.585	55.278	9.068	8.76	9.845	0.556

11/19/2023@03:10:00.000 AM	0.525	59.693	9.028	8.838	9.755	0
11/19/2023@03:20:00.000 AM	0.531	65.549	9.423	9.281	10.301	0
11/19/2023@03:30:00.000 AM	0.431	63.381	9.894	9.796	10.733	0
11/19/2023@03:40:00.000 AM	0.508	68.247	9.771	9.757	10.605	0
11/19/2023@03:50:00.000 AM	0.376	51.641	9.674	9.64	10.416	0
11/19/2023@04:00:00.000 AM	0.781	84.153	10.272	9.569	10.835	0
11/19/2023@04:10:00.000 AM	0.464	74.157	10.039	9.456	10.689	0
11/19/2023@04:20:00.000 AM	0.476	63.511	10.067	9.853	11.204	0
11/19/2023@04:30:00.000 AM	0.483	69.175	9.296	8.98	9.852	0
11/19/2023@04:40:00.000 AM	0.414	63.629	8.844	8.741	9.551	0
11/19/2023@04:50:00.000 AM	0.36	62.519	8.848	8.834	9.648	0
11/19/2023@05:00:00.000 AM	0.618	66.883	9.077	8.857	9.892	0.382
11/19/2023@05:10:00.000 AM	0.437	70.743	9.069	8.773	9.798	0.803
11/19/2023@05:20:00.000 AM	0.663	65.299	9.798	9.068	9.985	0
11/19/2023@05:30:00.000 AM	0.352	63.388	9.384	9.15	9.772	0
11/19/2023@05:40:00.000 AM	0.242	57.451	8.515	8.511	9.103	0

11/19/2023@05:50:00.000 AM	0.631	85.728	8.954	8.88	9.577	0.571
11/19/2023@06:00:00.000 AM	0.418	87.384	8.933	8.917	9.732	0
11/19/2023@06:10:00.000 AM	0.299	80.43	9.107	9.169	9.822	0.333
11/19/2023@06:20:00.000 AM	0.568	74.886	9.079	8.777	9.371	0
11/19/2023@06:30:00.000 AM	0.29	72.243	9.065	8.795	9.212	0
11/19/2023@06:40:00.000 AM	0.246	84.145	8.799	9.051	9.397	0
11/19/2023@06:50:00.000 AM	0.115	32.905	8.599	8.851	9.302	0
11/19/2023@07:00:00.000 AM	0.556	89.656	9.206	9.189	9.445	0
11/19/2023@07:10:00.000 AM	1.157	103.705	9.13	8.695	9.877	0.509
11/19/2023@07:20:00.000 AM	0.243	66.758	9.066	9.179	9.307	0
11/19/2023@07:30:00.000 AM	0.478	69.036	8.761	8.822	9.253	0
11/19/2023@07:40:00.000 AM	0.477	66.216	9.025	9.226	9.668	0
11/19/2023@07:50:00.000 AM	0.686	71.444	8.922	9.022	9.293	0
11/19/2023@08:00:00.000 AM	0.554	34.902	8.685	8.97	9.614	0
11/19/2023@08:10:00.000 AM	0.447	71.515	8.741	8.739	9.454	0
11/19/2023@08:20:00.000 AM	0.419	63.088	8.758	8.796	9.475	0

11/19/2023@08:30:00.000 AM	0.541	71.036	9.149	8.909	9.409	0
11/19/2023@08:40:00.000 AM	0.604	78.79	9.481	9.331	9.841	0.487
11/19/2023@08:50:00.000 AM	0.425	59.571	9.864	9.319	9.676	0
11/19/2023@09:00:00.000 AM	0.444	63.617	9.277	9.329	10.038	0
11/19/2023@09:10:00.000 AM	0.636	83.359	9.511	9.132	10.099	0
11/19/2023@09:20:00.000 AM	0.572	69.466	9.881	9.359	10.213	0
11/19/2023@09:30:00.000 AM	0.536	70.454	10.161	9.568	10.071	0
11/19/2023@09:40:00.000 AM	0.444	79.456	9.419	9.283	10.078	0
11/19/2023@09:50:00.000 AM	0.366	66.25	9.095	9.121	9.663	0
11/19/2023@10:00:00.000 AM	0.427	65.303	9.108	9.459	9.926	0
11/19/2023@10:10:00.000 AM	0.566	69.396	9.35	9.245	10.049	0
11/19/2023@10:20:00.000 AM	0.538	65.05	9.595	9.405	10.333	0
11/19/2023@10:30:00.000 AM	0.458	57.686	9.391	9.204	10.137	0
11/19/2023@10:40:00.000 AM	0.354	49.089	36.013	9.227	10.025	31.347
11/19/2023@10:50:00.000 AM	0.552	66.924	9.871	9.168	10.178	0
11/19/2023@11:00:00.000 AM	0.664	79.181	10.079	8.975	10.194	0

11/19/2023@11:10:00.000 AM	0.307	67.287	9.307	9.826	10.478	0
11/19/2023@11:20:00.000 AM	0.311	75.738	9.657	9.92	10.557	0
11/19/2023@11:30:00.000 AM	0.301	57.785	9.4	9.571	10.465	0
11/19/2023@11:40:00.000 AM	0.344	61.235	9.313	9.309	10.167	0
11/19/2023@11:50:00.000 AM	0.364	60.578	9.556	41.957	10.09	0
11/19/2023@12:00:00.000 PM	0.381	63.817	9.588	9.458	10.195	0
11/19/2023@12:10:00.000 PM	0.405	60.921	9.446	9.385	10.248	0
11/19/2023@12:20:00.000 PM	0.403	74.799	9.312	9.108	10.091	0.303
11/19/2023@12:30:00.000 PM	0.255	53.814	9.687	9.482	10.319	0
11/19/2023@12:40:00.000 PM	0.165	69.354	10.171	9.796	10.42	0
11/19/2023@12:50:00.000 PM	0.268	60.186	9.769	9.442	10.261	0
11/19/2023@01:00:00.000 PM	0.432	75.748	9.621	9.365	10.436	0
11/19/2023@01:10:00.000 PM	0.323	64.062	10.136	9.625	10.714	0
11/19/2023@01:20:00.000 PM	0.349	72.481	10.171	9.694	10.566	0
11/19/2023@01:30:00.000 PM	0.365	62.126	10.315	9.932	10.955	0
11/19/2023@01:40:00.000 PM	0.437	71.109	10.285	9.729	10.813	0

11/19/2023@01:50:00.000 PM	0.292	68.891	10.279	9.853	11.002	0
11/19/2023@02:00:00.000 PM	0.362	62.614	10.143	9.645	10.927	0

Cap. 8. Armonice de curent electric

Armonicele Curentului Electric

Definiție și Concept:

Armonicele curentului electric sunt componente de frecvență superioară care se adaugă la frecvența fundamentală într-un sistem de curent alternativ (CA). Aceste frecvențe suplimentare sunt multiple întregi ale frecvenței de bază și rezultă din nelinearitățile curentului electric cauzate de diverse echipamente.

Cauze și Origine:

Armonicele sunt generate în principal de echipamente care funcționează nelinear, precum convertoare de energie, surse de iluminat cu tehnologie de descărcare în gaze, și surse de alimentare care nu respectă forma sinusoidală ideală a curentului. Aceste echipamente introduc distorsiuni în curentul electric, generând frecvențe armonice.

Efectele Asupra Sistemului:

Armonicele pot produce o serie de efecte negative, inclusiv încălzirea inadecvată a echipamentelor electrice, pierderi suplimentare de energie, interferențe electromagnetice și o scădere a eficienței sistemului în ansamblu. Aceste distorsiuni pot afecta performanța echipamentelor și pot reduce durata lor de viață.

Tehnici de Măsurare:

Pentru a analiza armonicele, se utilizează echipamente specializate care măsoară spectrul frecvențelor curentului electric. Analizatoarele de armonice permit detectarea și evaluarea amplitudinilor și frecvențelor armonicelor, oferind informații esențiale pentru gestionarea calității energiei.

Măsuri pentru Controlul Armonicelor:

Reducerea nivelului armonicelor se poate realiza prin instalarea de filtre specifice pentru armonice, utilizarea de echipamente pentru corectarea factorului de putere și optimizarea designului sistemului electric pentru a limita efectele distorsiunilor. Aceste strategii contribuie la îmbunătățirea calității energiei și la protejarea echipamentelor.

Standardizare și Reglementări:

Există standarde internaționale, precum IEC 61000-4-7, care stabilesc metodologiile de măsurare și limitele admisibile pentru armonice. Aceste reglementări ajută la menținerea calității energiei electrice și protejează echipamentele de efectele dăunătoare ale armonicelor.

timestamp	I1 HD 3	I1 HD 5	I1 HD 7	I1 HD 9	I1 HD 11	I1 HD 13	I1 HD 15	I1 HD 17	I1 HD 19	I1 HD 21	I1 HD 23
11/12/2023@03:20:00.000 PM	0.747	7.385	8.595	0.492	1.675	0.576	0.327	0	0	0	0
11/12/2023@03:30:00.000 PM	0.842	7.768	9.087	0.634	2.355	0.785	0.428	0	0	0	0

11/12/2023@03:40:00.000 PM	0.921	7.051	9.215	0.694	1.926	0.951	0.38	0	0	0	0
11/12/2023@03:50:00.000 PM	1.064	6.996	9.047	0.842	1.754	0.833	0	0	0	0	0
11/12/2023@04:00:00.000 PM	0.826	7.418	8.084	0.77	1.935	0.494	0	0	0	0	0
11/12/2023@04:10:00.000 PM	0.929	7.138	8.496	0.927	2.042	0.578	0.303	0	0	0	0
11/12/2023@04:20:00.000 PM	0.815	7.429	8.115	0.537	1.889	0.448	0	0	0	0	0
11/12/2023@04:30:00.000 PM	0.839	7.475	7.877	0.634	1.601	0.358	0	0	0	0	0
11/12/2023@04:40:00.000 PM	1.046	7.241	7.797	0.767	1.791	0.527	0.384	0	0	0	0
11/12/2023@04:50:00.000 PM	0.685	6.503	8.501	0.983	1.899	0.601	0	0	0	0	0
11/12/2023@05:00:00.000 PM	0.816	7.14	7.603	1.068	1.829	0.581	0	0	0	0	0
11/12/2023@05:10:00.000 PM	0.631	7.108	6.625	0.734	1.597	0	0	0	0	0	0
11/12/2023@05:20:00.000 PM	0.657	7.406	6.895	0.372	1.354	0.309	0	0	0	0	0
11/12/2023@05:30:00.000 PM	0.741	6.586	8.03	1.228	1.706	0.301	0	0	0	0	0
11/12/2023@05:40:00.000 PM	1.097	6.813	8.027	0.75	1.817	0.372	0	0	0	0	0
11/12/2023@05:50:00.000 PM	0.881	7.232	7.417	0.846	1.817	0.371	0	0	0	0	0
11/12/2023@06:00:00.000 PM	0.676	7.042	6.352	0.673	1.768	0	0	0	0	0	0
11/12/2023@06:10:00.000 PM	0.665	6.828	6.307	1.025	1.63	0	0	0	0	0	0

11/12/2023@06:20:00.000 PM	0.492	6.496	7.2	0.745	1.511	0.426	0	0	0	0	0
11/12/2023@06:30:00.000 PM	0.797	6.328	6.967	1.091	1.68	0.341	0	0	0	0	0
11/12/2023@06:40:00.000 PM	0.558	6.217	6.946	0.988	1.594	0.469	0	0	0	0	0
11/12/2023@06:50:00.000 PM	0.612	7.274	5.868	0.603	1.326	0	0	0	0	0	0
11/12/2023@07:00:00.000 PM	0.475	7.183	6.192	0.619	1.84	0	0	0	0	0	0
11/12/2023@07:10:00.000 PM	0	7.218	6.125	0.38	1.781	0.494	0	0	0	0	0
11/12/2023@07:20:00.000 PM	0.343	7.425	6.443	0.367	1.856	0.468	0	0	0	0	0
11/12/2023@07:30:00.000 PM	0.371	7.954	5.585	0	1.935	0.314	0	0	0	0	0
11/12/2023@07:40:00.000 PM	0.658	8.002	5.765	0	1.899	0.393	0	0	0	0	0
11/12/2023@07:50:00.000 PM	0.504	8.018	5.655	0	1.941	0	0	0	0	0	0
11/12/2023@08:00:00.000 PM	0.519	7.931	6.535	0	2.152	0.44	0	0	0	0	0
11/12/2023@08:10:00.000 PM	0.649	8.83	6.962	3.821	0.957	0.603	0.422	0	0	0	0
11/12/2023@08:20:00.000 PM	0.517	8.133	5.414	0	1.938	0	0	0	0	0	0
11/12/2023@08:30:00.000 PM	0.378	8.04	6.175	0.57	1.817	0	0	0	0	0	0
11/12/2023@08:40:00.000 PM	0.317	7.654	7.628	2.221	1.536	0.949	0.585	0.584	0	0	0
11/12/2023@08:50:00.000 PM	0.707	8.153	7.858	2.907	0.529	1.196	0.466	0.311	0	0	0

11/12/2023@09:00:00.000 PM	0.758	7.791	6.231	0.715	1.377	1.098	0	0	0	0	0
11/12/2023@09:10:00.000 PM	0.424	7.592	6.289	1.128	1.551	0.958	0	0	0	0	0
11/12/2023@09:20:00.000 PM	0.69	7.639	6.942	0.699	1.75	0.736	0	0	0	0	0
11/12/2023@09:30:00.000 PM	0.454	7.033	6.894	0.997	1.836	0.731	0	0.314	0	0	0
11/12/2023@09:40:00.000 PM	0.56	7.507	7.231	2.156	0.706	1.453	1.196	0.353	0	0	0
11/12/2023@09:50:00.000 PM	0.79	7.192	6.501	0.453	1.561	0.349	0	0	0	0	0
11/12/2023@10:00:00.000 PM	0.885	7.049	7.01	0.727	1.806	0	0.373	0	0	0	0
11/12/2023@10:10:00.000 PM	0.57	7.109	7.06	1.213	1.907	0.6	0	0	0	0	0
11/12/2023@10:20:00.000 PM	0.723	6.763	7.691	0.837	1.829	0.516	0	0	0	0	0
11/12/2023@10:30:00.000 PM	0.601	6.33	7.396	0.759	2.009	0.623	0	0	0	0	0
11/12/2023@10:40:00.000 PM	0.726	6.922	7.614	0.744	2.038	0.419	0	0	0	0	0
11/12/2023@10:50:00.000 PM	0.64	6.413	6.872	0.685	1.512	0.431	0	0	0	0	0
11/12/2023@11:00:00.000 PM	0.655	5.975	7.327	0.643	1.455	0.329	0	0	0	0	0
11/12/2023@11:10:00.000 PM	0.973	6.475	7.547	0.926	1.474	0.626	0	0	0	0	0
11/12/2023@11:20:00.000 PM	0.952	6.216	8.277	0.695	1.319	0.642	0	0	0	0	0
11/12/2023@11:30:00.000 PM	0.953	6.04	8.418	1.038	1.797	0.487	0	0	0	0	0

11/12/2023@11:40:00.000 PM	0.79	6.14	8.264	1.233	1.48	0.62	0	0	0	0	0
11/12/2023@11:50:00.000 PM	0.929	6.831	7.747	1.389	1.655	0.434	0.424	0	0	0	0
11/13/2023@12:00:00.000 AM	0.639	6.663	7.563	1.295	1.344	0.601	0.302	0	0	0	0
11/13/2023@12:10:00.000 AM	0.757	6.678	7.388	0.895	1.533	0.674	0	0.336	0	0	0
11/13/2023@12:20:00.000 AM	0.969	6.657	7.34	0.796	1.374	0.538	0	0	0	0	0
11/13/2023@12:30:00.000 AM	0.374	6.779	7.52	2.29	1.233	0.422	0	0	0	0	0
11/13/2023@12:40:00.000 AM	0.797	6.928	6.467	0.762	1.489	0.636	0	0	0	0	0
11/13/2023@12:50:00.000 AM	0.806	6.838	7.966	1.684	1.319	1.215	0.413	0.328	0	0	0
11/13/2023@01:00:00.000 AM	1.107	5.935	9.496	1.549	2.048	0.405	0	0	0	0	0
11/13/2023@01:10:00.000 AM	1.401	6.164	9.085	1.1	1.889	0.558	0	0	0	0	0
11/13/2023@01:20:00.000 AM	0.907	6.89	9.179	3.205	0.39	1.235	1.32	0.399	0	0	0
11/13/2023@01:30:00.000 AM	0.691	6.771	7.792	3.275	0	1.538	1.086	0.428	0	0	0
11/13/2023@01:40:00.000 AM	0.789	5.94	7.232	1.029	1.487	0.38	0	0	0	0	0
11/13/2023@01:50:00.000 AM	1.019	5.328	7.973	0.956	1.102	0.607	0	0	0	0	0
11/13/2023@02:00:00.000 AM	0.965	5.33	7.978	0.98	1.02	1.218	0	0	0	0	0
11/13/2023@02:10:00.000 AM	1.083	4.923	8.77	1.27	1.367	0.586	0	0	0	0	0

11/13/2023@02:20:00.000 AM	0.979	5.588	7.821	0.995	1.537	0.665	0	0	0	0	0
11/13/2023@02:30:00.000 AM	0.952	6.148	7.177	0.679	1.544	0.533	0	0	0	0	0
11/13/2023@02:40:00.000 AM	1.058	6.078	7.848	1.093	1.544	0.705	0.414	0	0	0	0
11/13/2023@02:50:00.000 AM	0.93	5.304	8.311	0.792	1.545	0.579	0	0	0	0	0
11/13/2023@03:00:00.000 AM	0.925	5.409	8.223	1.032	1.371	0.656	0	0	0	0	0
11/13/2023@03:10:00.000 AM	0.972	5.35	8.302	0.767	1.361	0.964	0	0	0	0	0
11/13/2023@03:20:00.000 AM	0.967	6.124	7.698	0.864	1.75	0.481	0	0	0	0	0
11/13/2023@03:30:00.000 AM	0.833	5.225	8.991	1.693	1.217	0.869	0	0	0	0	0
11/13/2023@03:40:00.000 AM	1.501	5.55	8.832	0.905	1.393	1.2	0	0	0	0	0
11/13/2023@03:50:00.000 AM	1.111	5.978	7.921	0.671	1.495	0.448	0	0	0	0	0
11/13/2023@04:00:00.000 AM	1.212	6.312	7.538	0.939	1.469	0	0	0	0	0	0
11/13/2023@04:10:00.000 AM	1.007	5.687	8.622	0.771	1.531	0.513	0	0	0	0	0
11/13/2023@04:20:00.000 AM	1.412	5.4	8.904	0.945	1.615	0.684	0	0	0	0	0
11/13/2023@04:30:00.000 AM	1.229	5.392	9.559	0.947	1.607	0.716	0	0	0	0	0
11/13/2023@04:40:00.000 AM	1.251	5.429	8.975	1.053	1.663	0.543	0	0	0	0	0
11/13/2023@04:50:00.000 AM	1.071	5.908	8.126	0.866	1.646	0.454	0	0	0	0	0

11/13/2023@05:00:00.000 AM	1.296	4.228	4.788	0	1.069	0.606	0	0.359	0	0	0
11/13/2023@05:10:00.000 AM	1.36	6.283	9.053	1.093	1.334	0.483	0	0	0	0	0
11/13/2023@05:20:00.000 AM	1.379	5.331	8.942	1.026	0.921	0.613	0.336	0	0	0	0
11/13/2023@05:30:00.000 AM	1.578	5.276	8.32	0.91	1.344	1.126	0	0	0	0	0
11/13/2023@05:40:00.000 AM	1.072	6.189	8.342	1.304	1.298	0.654	0	0	0	0	0
11/13/2023@05:50:00.000 AM	1.246	5.798	8.345	1.479	1.085	1.003	0	0	0	0	0
11/13/2023@06:00:00.000 AM	0.923	6.152	9.127	2.871	0.892	0.988	0	0.431	0	0	0
11/13/2023@06:10:00.000 AM	1.018	6.099	7.956	1.641	0.548	0.423	0.558	0	0	0	0
11/13/2023@06:20:00.000 AM	1.416	5.863	7.705	0.897	1.421	0.549	0.367	0	0	0	0
11/13/2023@06:30:00.000 AM	1.193	5.786	7.78	0.626	1.246	0.754	0	0	0	0	0
11/13/2023@06:40:00.000 AM	1.298	5.37	9.163	0.995	1.682	0.895	0	0	0	0	0
11/13/2023@06:50:00.000 AM	1.368	5.485	8.74	0.7	1.536	0.665	0	0	0	0	0
11/13/2023@07:00:00.000 AM	1.291	5.469	9.267	0.889	1.614	0.738	0	0	0	0	0
11/13/2023@07:10:00.000 AM	1.22	5.995	6.697	1.294	1.4	0.36	0	0	0	0	0
11/13/2023@07:20:00.000 AM	0.999	6.155	8.399	1.633	1.313	0.514	0	0	0	0	0
11/13/2023@07:30:00.000 AM	1.408	5.951	8.364	2.1	1.573	0.433	0	0	0	0	0

11/13/2023@07:40:00.000 AM	1.026	5.19	9.599	1.561	1.578	1.012	0	0	0	0	0
11/13/2023@07:50:00.000 AM	0.885	5.451	8.603	1.087	1.91	0.394	0	0	0	0	0
11/13/2023@08:00:00.000 AM	1.044	5.5	8.536	0.798	1.698	0.803	0	0	0	0	0
11/13/2023@08:10:00.000 AM	1.121	5.45	8.21	1.008	1.676	0.442	0	0	0	0	0
11/13/2023@08:20:00.000 AM	1.205	5.675	8.741	1.067	1.934	0.481	0	0	0	0	0
11/13/2023@08:30:00.000 AM	1.201	5.428	8.129	0.911	1.93	0.574	0	0	0	0	0
11/13/2023@08:40:00.000 AM	1.112	5.876	8.89	0.9	1.987	0.533	0	0	0	0	0
11/13/2023@08:50:00.000 AM	1.529	4.908	9.496	1.182	1.475	0.777	0	0	0	0	0
11/13/2023@09:00:00.000 AM	1.406	4.74	10.121	1.106	2.289	0.668	0	0	0	0	0
11/13/2023@09:10:00.000 AM	0.893	5.831	8.502	2.308	1.359	0.741	0	0	0	0	0
11/13/2023@09:20:00.000 AM	0.822	6.008	9.189	1.151	2.171	0	0	0	0	0	0
11/13/2023@09:30:00.000 AM	1.008	4.682	10.723	1.492	2.26	0	0	0	0	0	0
11/13/2023@09:40:00.000 AM	1.206	4.265	12.593	1.725	2.675	0.362	0	0	0	0	0
11/13/2023@09:50:00.000 AM	1.199	4.542	13.212	1.135	2.595	0	0	0	0	0	0
11/13/2023@10:00:00.000 AM	0.83	5.02	13.752	2.592	2.093	0.437	0	0	0	0	0
11/13/2023@10:10:00.000 AM	0.787	6.067	10.576	1.083	2.719	0.331	0	0	0	0	0

11/13/2023@10:20:00.000 AM	0.935	5.545	12.001	0.644	2.852	0	0	0	0	0	0
11/13/2023@10:30:00.000 AM	1.185	5.723	10.877	1.305	2.307	0.355	0	0	0	0	0
11/13/2023@10:40:00.000 AM	1.336	5.856	11.841	1.256	2.482	0.345	0	0	0	0	0
11/13/2023@10:50:00.000 AM	0.983	5.464	10.668	1.117	2.342	0.31	0	0	0	0	0
11/13/2023@11:00:00.000 AM	0.888	4.969	10.38	0.965	2.415	0	0	0	0	0	0
11/13/2023@11:10:00.000 AM	0.945	5.22	9.737	1.051	2.354	0	0	0	0	0	0
11/13/2023@11:20:00.000 AM	0.714	6.274	9.535	2.513	1.638	0.317	0	0	0	0	0
11/13/2023@11:30:00.000 AM	0.978	4.984	11.27	0.949	2.53	0	0	0	0	0	0
11/13/2023@11:40:00.000 AM	0.962	5.256	10.081	1.108	2.349	0	0	0	0	0	0
11/13/2023@11:50:00.000 AM	1.025	5.196	9.802	0.923	2.387	0	0	0	0	0	0
11/13/2023@12:00:00.000 PM	0.698	5.315	9.765	2.105	2.051	0	0	0	0	0	0
11/13/2023@12:10:00.000 PM	0.687	5.787	8.761	0.907	2.093	0.309	0	0	0	0	0
11/13/2023@12:20:00.000 PM	0.691	5.849	9.459	1.576	2.201	0	0	0	0	0	0
11/13/2023@12:30:00.000 PM	1.015	6.181	10.521	3.049	2.652	1.179	1.014	0	0	0	0
11/13/2023@12:40:00.000 PM	0.689	6.653	11.606	2.375	2.382	0.53	0.532	0	0	0	0
11/13/2023@12:50:00.000 PM	0.927	5.881	11.291	0.94	2.748	0	0	0	0	0	0

11/13/2023@01:00:00.000 PM	0.889	5.764	11.454	1.091	2.735	0	0	0	0	0	0
11/13/2023@01:10:00.000 PM	0.943	5.629	11.599	0.993	2.872	0	0	0	0	0	0
11/13/2023@01:20:00.000 PM	0.952	5.646	10.077	1.38	2.086	0.341	0	0	0	0	0
11/13/2023@01:30:00.000 PM	1.06	4.49	12.025	2.016	2.303	0	0	0	0	0	0
11/13/2023@01:40:00.000 PM	1.056	4.545	11.187	1.148	2.573	0	0	0	0	0	0
11/13/2023@01:50:00.000 PM	1.191	4.637	11.501	1.326	2.613	0	0	0	0	0	0
11/13/2023@02:00:00.000 PM	0.996	4.36	11.414	1.024	2.501	0	0	0	0	0	0
11/13/2023@02:10:00.000 PM	0.923	4.537	10.775	0.943	2.416	0	0	0	0	0	0
11/13/2023@02:20:00.000 PM	0.701	4.921	10.921	1.581	2.467	0	0	0	0	0	0
11/13/2023@02:30:00.000 PM	0.901	5.114	10.382	1.017	2.577	0	0	0	0	0	0
11/13/2023@02:40:00.000 PM	0.97	4.357	11.993	1.121	2.612	0	0	0	0	0	0
11/13/2023@02:50:00.000 PM	0.781	6.259	9.615	0.777	2.467	0.332	0	0	0	0	0
11/13/2023@03:00:00.000 PM	0.678	5.917	9.964	0.685	2.441	0	0	0	0	0	0
11/13/2023@03:10:00.000 PM	0.543	5.985	11.757	3.232	1.722	0.344	0	0	0	0	0
11/13/2023@03:20:00.000 PM	1.049	4.832	11.983	0.805	2.707	0	0	0	0	0	0
11/13/2023@03:30:00.000 PM	0.857	5.564	11.291	0.691	2.488	0.445	0	0	0	0	0

11/13/2023@03:40:00.000 PM	0.905	5.786	9.822	0.585	2.54	0.558	0	0	0	0	0
11/13/2023@03:50:00.000 PM	0.746	5.009	12.293	0.786	2.549	0	0	0	0	0	0
11/13/2023@04:00:00.000 PM	1.189	4.68	11.581	1.03	2.569	0	0	0	0	0	0
11/13/2023@04:10:00.000 PM	0.841	5.919	10.544	0.647	2.659	0	0	0	0	0	0
11/13/2023@04:20:00.000 PM	0.841	5.912	10.065	0.524	2.472	0.331	0	0	0	0	0
11/13/2023@04:30:00.000 PM	0.831	5.559	11.62	0.645	2.568	0.367	0	0	0	0	0
11/13/2023@04:40:00.000 PM	0.784	5.763	11.636	0.544	3.012	0	0	0	0	0	0
11/13/2023@04:50:00.000 PM	0.517	6.509	9.796	1.438	2.29	0	0	0	0	0	0
11/13/2023@05:00:00.000 PM	0.797	5.516	9.791	0.596	2.382	0.416	0	0	0	0	0
11/13/2023@05:10:00.000 PM	0.369	6.225	9.839	1.467	2.746	0	0	0	0	0	0
11/13/2023@05:20:00.000 PM	0.702	6.276	9.663	0.395	2.613	0.393	0	0	0	0	0
11/13/2023@05:30:00.000 PM	0.69	6.498	9.622	0.731	2.077	0.532	0	0	0	0	0
11/13/2023@05:40:00.000 PM	0.65	6.567	9.565	0.681	2.453	0.435	0	0	0	0	0
11/13/2023@05:50:00.000 PM	0.679	6.681	9.464	0.469	2.688	0	0	0	0	0	0
11/13/2023@06:00:00.000 PM	0.658	6.771	10.111	0.601	2.568	0	0	0	0	0	0
11/13/2023@06:10:00.000 PM	0.557	7.398	9.681	1.848	2.501	0	0	0	0	0	0

11/13/2023@06:20:00.000 PM	0.764	5.989	11.123	0.46	2.779	0	0	0	0	0	0
11/13/2023@06:30:00.000 PM	0.847	5.251	11.634	0.661	2.876	0	0	0	0	0	0
11/13/2023@06:40:00.000 PM	0.706	5.742	10.583	0	2.472	0	0	0	0	0	0
11/13/2023@06:50:00.000 PM	1.005	6.368	9.738	0.598	2.673	0	0	0	0	0	0
11/13/2023@07:00:00.000 PM	0.72	6.933	8.771	0.608	2.377	0	0	0	0	0	0
11/13/2023@07:10:00.000 PM	0.667	6.537	10.012	0.9	2.829	0.448	0	0	0	0	0
11/13/2023@07:20:00.000 PM	0.36	6.575	9.479	0.594	2.539	0	0	0	0	0	0
11/13/2023@07:30:00.000 PM	0.766	6.633	9.519	1.193	2.428	0.35	0	0	0	0	0
11/13/2023@07:40:00.000 PM	0.754	7.441	8.717	1.63	2.031	0.401	0	0	0	0	0
11/13/2023@07:50:00.000 PM	0.989	7.079	7.932	0.738	2.478	0.342	0	0	0	0	0
11/13/2023@08:00:00.000 PM	0.905	6.203	8.814	0.614	2.432	0	0	0	0	0	0
11/13/2023@08:10:00.000 PM	0.659	6.388	8.402	1.529	2.464	0	0	0	0	0	0
11/13/2023@08:20:00.000 PM	0.62	6.876	8.15	1.956	2.086	0.484	0.388	0.459	0	0	0
11/13/2023@08:30:00.000 PM	0.755	6.768	8.1	0.63	2.666	0	0	0	0	0	0
11/13/2023@08:40:00.000 PM	0.623	6.719	8.15	1.091	2.451	0	0	0	0	0	0
11/13/2023@08:50:00.000 PM	0.373	6.969	6.668	0.909	2.345	0.483	0.368	0	0	0	0

11/13/2023@09:00:00.000 PM	0.668	6.667	7.301	0.342	2.208	0.49	0	0	0	0	0
11/13/2023@09:10:00.000 PM	0.538	6.276	8.215	1.403	2.437	0.456	0.44	0	0	0	0
11/13/2023@09:20:00.000 PM	0.546	6.438	7.193	0.606	1.624	1.013	0	0	0	0	0
11/13/2023@09:30:00.000 PM	0.739	6.617	6.926	0.805	1.817	0.361	0	0	0	0	0
11/13/2023@09:40:00.000 PM	0.46	7.108	7.632	1.529	1.361	0.827	0.32	0.524	0	0	0
11/13/2023@09:50:00.000 PM	0.395	6.774	6.852	0.536	1.823	0.389	0	0	0	0	0
11/13/2023@10:00:00.000 PM	0.613	7.065	6.526	0.583	1.544	0.544	0.422	0	0	0	0
11/13/2023@10:10:00.000 PM	0.595	7.562	6.344	1.997	0.556	0.578	0	0	0	0	0
11/13/2023@10:20:00.000 PM	0.581	6.575	6.875	0.57	1.783	0.304	0	0	0	0	0
11/13/2023@10:30:00.000 PM	0.467	6.963	6.792	1.094	1.563	0.599	0.322	0	0	0	0
11/13/2023@10:40:00.000 PM	1.114	8.664	12.286	0.977	2.268	0.554	0	0	0	0	0
11/13/2023@10:50:00.000 PM	1.194	7.941	12.922	0.859	2.238	0.652	0	0	0	0	0
11/13/2023@11:00:00.000 PM	0.831	7.965	13.38	2.166	2.245	0.815	0	0	0	0	0
11/13/2023@11:10:00.000 PM	0.717	7.285	8.685	1.595	1.108	0.676	0.362	0	0	0	0
11/13/2023@11:20:00.000 PM	0.727	7.521	6.746	1.407	1.078	0.721	0	0	0	0	0
11/13/2023@11:30:00.000 PM	0.892	6.303	5.961	0.558	1.123	0	0	0	0	0	0

11/13/2023@11:40:00.000 PM	1.012	5.788	7.531	1.171	1.394	0	0	0	0	0	0
11/13/2023@11:50:00.000 PM	0.643	5.599	6.846	1.086	1.301	0.476	0	0	0	0	0
11/14/2023@12:00:00.000 AM	0.737	5.301	6.942	0.99	0.984	0.73	0	0	0	0	0
11/14/2023@12:10:00.000 AM	0.685	5.531	5.022	0.647	1.672	0.509	0	0	0	0	0
11/14/2023@12:20:00.000 AM	0.629	5.614	5.153	0.623	1.725	0	0	0	0	0	0
11/14/2023@12:30:00.000 AM	0.918	4.742	5.268	1.032	1.468	0.447	0	0	0	0	0
11/14/2023@12:40:00.000 AM	0.736	4.548	7.495	0.664	1.691	0.334	0	0	0	0	0
11/14/2023@12:50:00.000 AM	0.792	4.378	7.221	0.718	1.685	0	0	0	0	0	0
11/14/2023@01:00:00.000 AM	0.976	4.54	7.389	0.622	1.37	0.355	0	0	0	0	0
11/14/2023@01:10:00.000 AM	0.798	4.633	6.447	0.708	1.246	0.381	0	0	0	0	0
11/14/2023@01:20:00.000 AM	0.796	4.767	5.915	0.706	1.373	0.656	0.309	0	0	0	0
11/14/2023@01:30:00.000 AM	0.731	4.889	5.598	0.669	1.213	0.653	0	0	0	0	0
11/14/2023@01:40:00.000 AM	0.823	4.531	7.057	0.772	1.253	0	0	0	0	0	0
11/14/2023@01:50:00.000 AM	0.75	4.187	7.194	0.719	1.309	0	0	0	0	0	0
11/14/2023@02:00:00.000 AM	0.762	5.314	7.689	1.036	1.754	0.516	0	0	0	0	0
11/14/2023@02:10:00.000 AM	0.805	4.876	6.346	1.003	1.105	0.721	0.391	0	0	0	0

11/14/2023@02:20:00.000 AM	0.773	4.919	5.99	0.495	1.293	0	0	0	0	0	0
11/14/2023@02:30:00.000 AM	0.703	4.879	7.256	0.488	1.23	0	0	0	0	0	0
11/14/2023@02:40:00.000 AM	0.835	4.53	8.384	0.635	1.36	0.55	0	0	0	0	0
11/14/2023@02:50:00.000 AM	0.723	4.022	7.557	0.592	1.291	0.387	0	0	0	0	0
11/14/2023@03:00:00.000 AM	0.848	4.589	7.212	0.589	1.295	0	0	0	0	0	0
11/14/2023@03:10:00.000 AM	0.893	5.07	7.374	0.747	1.33	0.433	0	0	0	0	0
11/14/2023@03:20:00.000 AM	0.883	5.704	6.588	0.97	1.415	0	0	0	0	0	0
11/14/2023@03:30:00.000 AM	0.966	4.803	8.944	0.814	1.585	0.453	0	0	0	0	0
11/14/2023@03:40:00.000 AM	0.903	4.442	8.904	0.536	1.551	0.418	0	0	0	0	0
11/14/2023@03:50:00.000 AM	0.812	4.404	8.657	0.496	1.498	0.324	0	0	0	0	0
11/14/2023@04:00:00.000 AM	0.754	4.965	7.135	0.398	1.283	0	0	0	0	0	0
11/14/2023@04:10:00.000 AM	1.093	4.84	7.309	0.63	1.477	0.354	0	0	0	0	0
11/14/2023@04:20:00.000 AM	1.164	4.621	7.763	0.443	1.415	0.348	0	0	0	0	0
11/14/2023@04:30:00.000 AM	1.232	4.187	8.569	0.795	1.503	0.372	0	0	0	0	0
11/14/2023@04:40:00.000 AM	1.165	4.833	7.455	0.799	1.379	0	0	0	0	0	0
11/14/2023@04:50:00.000 AM	0.943	4.288	8.768	0.815	1.435	0.402	0	0	0	0	0

11/14/2023@05:00:00.000 AM	1.18	4.208	8.264	0.775	1.354	0.339	0	0	0	0	0
11/14/2023@05:10:00.000 AM	1.085	4.469	7.936	0.761	1.429	0.405	0	0	0	0	0
11/14/2023@05:20:00.000 AM	1.075	4.218	7.818	0.816	1.377	0	0	0	0	0	0
11/14/2023@05:30:00.000 AM	1.081	3.94	8.395	0.628	1.393	0.582	0	0	0	0	0
11/14/2023@05:40:00.000 AM	1.039	3.689	8.76	0.63	1.347	0.535	0	0	0	0	0
11/14/2023@05:50:00.000 AM	0.949	4.49	7.998	0.584	1.597	0	0	0	0	0	0
11/14/2023@06:00:00.000 AM	0.954	3.962	8.765	0.669	1.543	0.544	0	0	0	0	0
11/14/2023@06:10:00.000 AM	1.288	4.565	8.136	1	1.488	0.384	0	0	0	0	0
11/14/2023@06:20:00.000 AM	1.191	4.999	7.133	0.529	1.544	0	0	0	0	0	0
11/14/2023@06:30:00.000 AM	1.029	4.323	8.269	0.734	1.632	0.426	0	0	0	0	0
11/14/2023@06:40:00.000 AM	0.893	4.661	8.548	0.705	1.629	0.589	0	0	0	0	0
11/14/2023@06:50:00.000 AM	0.92	5.272	7.069	0	1.758	0	0	0	0	0	0
11/14/2023@07:00:00.000 AM	0.944	4.648	8.2	0.754	1.497	0.35	0	0.426	0	0	0
11/14/2023@07:10:00.000 AM	0.911	4.892	8.045	0.761	1.528	0.424	0	0	0	0	0
11/14/2023@07:20:00.000 AM	0.816	4.956	8.428	0.604	1.836	0	0	0	0	0	0
11/14/2023@07:30:00.000 AM	1.03	4.523	8.541	0.683	1.726	0.416	0	0.311	0	0	0

11/14/2023@07:40:00.000 AM	0.913	5.152	7.235	1.262	1.895	0.423	0	0	0	0	0
11/14/2023@07:50:00.000 AM	0.81	6.063	5.954	0.562	1.702	0	0	0.319	0	0	0
11/14/2023@08:00:00.000 AM	0.604	6.19	6.253	0.475	1.372	0.302	0	0	0	0	0
11/14/2023@08:10:00.000 AM	0.641	4.812	8.138	0.655	1.611	0.411	0	0	0	0	0
11/14/2023@08:20:00.000 AM	1.187	5.383	6.344	0.598	1.621	0.366	0	0	0	0	0
11/14/2023@08:30:00.000 AM	0.821	5.916	4.793	0.806	1.379	0	0	0	0	0	0
11/14/2023@08:40:00.000 AM	0.866	6.141	5.861	1.187	1.759	0	0	0	0	0	0
11/14/2023@08:50:00.000 AM	0.55	6.174	5.781	0.808	1.792	0.336	0	0	0	0	0
11/14/2023@09:00:00.000 AM	0.706	4.131	4.196	0	0.828	0.634	0	0.393	0	0	0
11/14/2023@09:10:00.000 AM	0.479	5.629	10.277	2.002	1.16	0.701	0.397	0	0	0	0
11/14/2023@09:20:00.000 AM	0.65	6.007	7.97	0.536	1.71	0.893	0.308	0	0	0	0
11/14/2023@09:30:00.000 AM	0.895	5.613	8.275	0.534	1.865	0.374	0	0.449	0	0	0
11/14/2023@09:40:00.000 AM	1.105	5.252	9.225	1.056	2.096	0.486	0	0	0	0	0
11/14/2023@09:50:00.000 AM	0.682	4.804	11.605	0.846	2.522	0.37	0	0	0	0	0
11/14/2023@10:00:00.000 AM	0.626	5.389	10.423	1.7	2.212	0	0	0	0	0	0
11/14/2023@10:10:00.000 AM	0.8	5.695	10.328	0.569	2.528	0.362	0	0	0	0	0

11/14/2023@10:20:00.000 AM	0.757	6.561	8.778	0.817	2.35	0.571	0	0	0	0	0
11/14/2023@10:30:00.000 AM	0.668	6.69	8.556	0.651	2.337	0.441	0	0.365	0	0	0
11/14/2023@10:40:00.000 AM	0.485	5.566	11.378	0.366	2.463	0	0	0	0	0	0
11/14/2023@10:50:00.000 AM	0.468	5.376	10.908	0.523	2.526	0	0	0	0	0	0
11/14/2023@11:00:00.000 AM	0.405	6.313	9.489	1.791	1.796	0.303	0	0	0	0	0
11/14/2023@11:10:00.000 AM	0.537	6.715	8.915	0.421	2.123	0.594	0	0	0	0	0
11/14/2023@11:20:00.000 AM	0.319	7.11	9.264	3.017	0.968	0.477	0	0	0	0	0
11/14/2023@11:30:00.000 AM	0.569	6.173	11.285	1.915	1.903	0.314	0	0	0	0	0
11/14/2023@11:40:00.000 AM	0.608	5.739	10.581	0.611	2.32	0	0	0	0	0	0
11/14/2023@11:50:00.000 AM	0.512	5.686	10.372	0.355	2.201	0.394	0	0	0	0	0
11/14/2023@12:00:00.000 PM	0.426	6.631	9.805	2.005	1.628	0.371	0	0	0	0	0
11/14/2023@12:10:00.000 PM	0.571	6.13	9.628	0.496	2.101	0.479	0	0	0	0	0
11/14/2023@12:20:00.000 PM	0.492	6.117	10.933	0	2.424	0.313	0	0	0	0	0
11/14/2023@12:30:00.000 PM	0.483	5.853	11.313	0	2.497	0.364	0	0	0	0	0
11/14/2023@12:40:00.000 PM	0.523	6.006	11.119	0.472	2.488	0.443	0	0	0	0	0
11/14/2023@12:50:00.000 PM	0.478	6.491	10.479	0.329	2.263	0.456	0	0	0	0	0

11/14/2023@01:00:00.000 PM	0.696	6.065	10.577	0.824	2.821	0	0	0	0	0	0
11/14/2023@01:10:00.000 PM	0.541	5.022	11.434	0.403	2.327	0	0	0	0	0	0
11/14/2023@01:20:00.000 PM	0.513	5.462	11.239	0.722	2.383	0	0	0	0	0	0
11/14/2023@01:30:00.000 PM	0.5	5.515	10.317	0	2.199	0	0	0	0	0	0
11/14/2023@01:40:00.000 PM	0.509	5.881	10.052	0	2.039	0.324	0	0	0	0	0
11/14/2023@01:50:00.000 PM	0.531	5.894	10.825	0	2.295	0.43	0	0	0	0	0
11/14/2023@02:00:00.000 PM	0.59	5.745	11.103	0.84	2.254	0	0	0	0	0	0
11/14/2023@02:10:00.000 PM	0.384	6.105	10.193	1.447	1.79	0	0	0	0	0	0
11/14/2023@02:20:00.000 PM	0.468	6.532	9.109	0.308	1.964	0.6	0	0	0	0	0
11/14/2023@02:30:00.000 PM	0.428	7.214	9.203	1.32	1.655	0.567	0	0	0	0	0
11/14/2023@02:40:00.000 PM	0.497	6.848	10.455	0.99	2.598	0.641	0	0	0	0	0
11/14/2023@02:50:00.000 PM	0.982	5.855	11.714	0.778	2.451	0	0	0	0	0	0
11/14/2023@03:00:00.000 PM	0.534	5.766	12.35	0.457	2.851	0	0	0	0	0	0
11/14/2023@03:10:00.000 PM	0.398	6.163	10.996	1.474	2.242	0	0	0	0	0	0
11/14/2023@03:20:00.000 PM	0.476	6.638	9.42	1.116	2.144	0.461	0	0	0	0	0
11/14/2023@03:30:00.000 PM	0.755	6.546	9.286	0	2.402	0.552	0	0	0	0	0

11/14/2023@03:40:00.000 PM	0.622	6.04	9.658	0.474	2.351	0.367	0	0	0	0	0
11/14/2023@03:50:00.000 PM	0.551	6.483	10.322	1.659	1.842	0.505	0	0	0	0	0
11/14/2023@04:00:00.000 PM	0.421	7	9.87	1.728	1.565	0.583	0	0	0	0	0
11/14/2023@04:10:00.000 PM	0.512	6.599	9.186	0.417	2.335	0.61	0	0	0	0	0
11/14/2023@04:20:00.000 PM	0.477	6.708	9.412	0	2.374	0.516	0	0	0	0	0
11/14/2023@04:30:00.000 PM	0.653	5.823	9.666	0.37	2.412	0	0	0	0	0	0
11/14/2023@04:40:00.000 PM	0.451	5.762	10.068	0.497	2.389	0	0	0	0	0	0
11/14/2023@04:50:00.000 PM	0.492	5.956	9.951	0.404	2.432	0.46	0	0	0	0	0
11/14/2023@05:00:00.000 PM	0.482	6.771	8.172	1.142	2.036	0.427	0	0	0	0	0
11/14/2023@05:10:00.000 PM	0.617	6.342	9.2	1.345	1.687	0.405	0	0	0	0	0
11/14/2023@05:20:00.000 PM	0.325	6.012	9.753	1.614	1.643	0.57	0	0	0	0	0
11/14/2023@05:30:00.000 PM	0.416	6.199	7.902	0	2.257	0	0	0	0	0	0
11/14/2023@05:40:00.000 PM	0.553	6.606	8.231	0.364	2.242	0.478	0	0	0	0	0
11/14/2023@05:50:00.000 PM	0.781	5.883	7.988	0.476	1.468	0.614	0	0	0	0	0
11/14/2023@06:00:00.000 PM	0.626	6.287	9.708	1.603	1.509	0.691	0.439	0.357	0	0	0
11/14/2023@06:10:00.000 PM	0.423	5.87	10.066	2.809	0.544	0.836	0.434	0	0	0	0

11/14/2023@06:20:00.000 PM	0.637	5.469	9.237	0.723	1.526	0.469	0.358	0	0	0	0
11/14/2023@06:30:00.000 PM	0.755	5.642	8.417	0.463	1.532	0.461	0	0	0	0	0
11/14/2023@06:40:00.000 PM	0.616	6.228	6.95	0	1.443	0.33	0	0	0	0	0
11/14/2023@06:50:00.000 PM	0.768	5.794	8.659	0.555	1.7	0.367	0	0.336	0	0	0
11/14/2023@07:00:00.000 PM	0.741	5.751	8.755	0	1.76	0	0	0	0	0	0
11/14/2023@07:10:00.000 PM	0.535	5.441	9.047	0.785	1.794	0	0	0	0	0	0
11/14/2023@07:20:00.000 PM	0.797	6.228	7.884	0.342	1.548	0.489	0	0	0	0	0
11/14/2023@07:30:00.000 PM	0.395	6.69	6.79	0.486	1.698	0.511	0	0	0.362	0	0
11/14/2023@07:40:00.000 PM	0.702	6.432	7.591	0.386	2.125	0.45	0	0	0	0	0
11/14/2023@07:50:00.000 PM	0.704	5.775	8.983	0.359	1.953	0	0	0	0	0	0
11/14/2023@08:00:00.000 PM	0.551	6.221	8.454	0.524	2.067	0	0	0	0	0	0
11/14/2023@08:10:00.000 PM	0.5	7.628	6.607	1.567	2.062	0	0.403	0	0	0	0
11/14/2023@08:20:00.000 PM	0.533	6.8	7.243	0.736	1.928	0	0	0	0	0	0
11/14/2023@08:30:00.000 PM	0.644	6.761	6.878	0.498	1.686	0.623	0	0	0	0	0
11/14/2023@08:40:00.000 PM	0.732	5.695	8.588	0.371	1.57	0	0	0.303	0	0	0
11/14/2023@08:50:00.000 PM	0.433	5.497	7.964	0.838	1.788	0	0.323	0.407	0	0	0

11/14/2023@09:00:00.000 PM	0.498	6.234	7.768	0.332	1.73	0.345	0	0.344	0	0	0
11/14/2023@09:10:00.000 PM	0.522	6.401	7.994	1.096	2.009	0	0	0.344	0	0	0
11/14/2023@09:20:00.000 PM	0.763	6.822	7.34	0.373	1.676	0.524	0	0.622	0	0	0
11/14/2023@09:30:00.000 PM	0.423	6.363	7.557	0	1.956	0	0	0	0	0	0
11/14/2023@09:40:00.000 PM	0.624	6.716	6.521	0	1.868	0	0	0	0	0	0
11/14/2023@09:50:00.000 PM	0.64	6.229	8.263	0.329	2.042	0.37	0	0	0	0	0
11/14/2023@10:00:00.000 PM	0.668	6.293	8.302	0.873	1.913	0.392	0	0	0	0	0
11/14/2023@10:10:00.000 PM	0.861	5.375	9.632	0.573	2.128	0.376	0.333	0	0	0	0
11/14/2023@10:20:00.000 PM	0.791	5.878	8.74	0.455	1.945	0	0	0	0	0	0
11/14/2023@10:30:00.000 PM	0.754	6.183	7.745	0.474	1.864	0.316	0	0	0	0	0
11/14/2023@10:40:00.000 PM	0.509	6.388	7.532	0.505	1.891	0.496	0	0	0	0	0
11/14/2023@10:50:00.000 PM	0.641	5.954	8.718	1.106	2.256	0.884	0.471	0.661	0.336	0	0
11/14/2023@11:00:00.000 PM	0.615	5.757	8.688	0.968	2.128	0	0	0	0	0	0
11/14/2023@11:10:00.000 PM	0.719	5.74	8.122	0.781	1.605	0.376	0	0	0	0	0
11/14/2023@11:20:00.000 PM	0.726	5.53	8.034	0	1.654	0.317	0.312	0	0	0	0
11/14/2023@11:30:00.000 PM	0.636	6.412	6.595	0.69	1.565	0	0	0	0	0	0

11/14/2023@11:40:00.000 PM	0.883	7.692	4.95	1.95	2.161	0	0.373	0	0	0	0
11/14/2023@11:50:00.000 PM	0.58	6.922	5.763	0.537	1.702	0	0	0	0	0	0
11/15/2023@12:00:00.000 AM	0.753	6.081	8.042	0.598	1.858	0.406	0	0	0	0	0
11/15/2023@12:10:00.000 AM	0.927	6.318	7.924	0.502	1.767	0.307	0.344	0	0	0	0
11/15/2023@12:20:00.000 AM	0.804	5.696	8.868	0.645	1.945	0	0	0.387	0	0	0
11/15/2023@12:30:00.000 AM	0.752	6.609	6.895	0.479	1.658	0	0	0	0	0	0
11/15/2023@12:40:00.000 AM	0.6	6.835	6.527	0.645	1.661	0.321	0	0	0	0	0
11/15/2023@12:50:00.000 AM	0.746	6.229	6.968	0.436	1.603	0	0	0	0	0	0
11/15/2023@01:00:00.000 AM	0.767	5.751	8.169	0.645	1.838	0	0	0	0	0	0
11/15/2023@01:10:00.000 AM	0.891	5.182	8.781	0.785	1.68	0	0	0	0	0	0
11/15/2023@01:20:00.000 AM	0.785	5.104	9.799	0.773	1.605	0	0	0	0	0	0
11/15/2023@01:30:00.000 AM	0.864	5.764	8.841	0.609	1.872	0	0	0	0	0	0
11/15/2023@01:40:00.000 AM	0.936	6.015	7.629	0.49	1.821	0	0	0	0	0	0
11/15/2023@01:50:00.000 AM	0.823	5.596	9.426	0.473	1.878	0	0	0	0	0	0
11/15/2023@02:00:00.000 AM	0.806	5.101	10.06	0.592	1.734	0	0	0	0	0	0
11/15/2023@02:10:00.000 AM	1.193	4.916	10.559	0.706	1.95	0	0	0	0	0	0

11/15/2023@02:20:00.000 AM	1.269	5.244	9.689	0.945	1.768	0	0	0	0	0	0
11/15/2023@02:30:00.000 AM	1.083	5.137	9.887	0.747	1.793	0	0	0	0	0	0
11/15/2023@02:40:00.000 AM	1.228	5.186	9.46	0.82	2.024	0	0	0.394	0	0	0
11/15/2023@02:50:00.000 AM	1.124	4.909	9.841	1.108	1.836	0	0.5	0	0	0	0
11/15/2023@03:00:00.000 AM	1.204	4.444	10.463	0.721	1.782	0	0	0.531	0	0	0
11/15/2023@03:10:00.000 AM	0.856	4.44	9.936	0	1.997	0	0	0	0	0	0
11/15/2023@03:20:00.000 AM	1.213	3.876	10.769	0.837	2.017	0	0	0	0	0	0
11/15/2023@03:30:00.000 AM	1.171	3.43	11.51	0.828	2.041	0	0	0	0	0	0
11/15/2023@03:40:00.000 AM	0.951	3.983	10.14	0.954	2.082	0	0	0	0	0	0
11/15/2023@03:50:00.000 AM	1.249	4.167	9.902	1.108	2.166	0	0	0	0	0	0
11/15/2023@04:00:00.000 AM	1.166	4.505	9.407	0.712	1.948	0	0	0.339	0	0	0
11/15/2023@04:10:00.000 AM	1.328	3.665	11.308	1.281	2.132	0	0	0	0	0	0
11/15/2023@04:20:00.000 AM	1.417	3.295	12.033	1.051	2.015	0	0	0	0	0	0
11/15/2023@04:30:00.000 AM	1.415	3.043	12.54	1.025	2.162	0	0	0	0	0	0
11/15/2023@04:40:00.000 AM	0.858	3.55	11.348	0.595	2.146	0	0	0	0	0	0
11/15/2023@04:50:00.000 AM	1.285	3.816	10.667	1.154	2.1	0	0	0	0.357	0	0

11/15/2023@05:00:00.000 AM	1.447	4.067	10.717	1.427	2.267	0.357	0	0	0	0	0
11/15/2023@05:10:00.000 AM	1.4	3.021	12.308	1.475	2.169	0.334	0	0	0	0	0
11/15/2023@05:20:00.000 AM	1.288	2.73	12.296	1.048	1.99	0	0	0	0	0	0
11/15/2023@05:30:00.000 AM	1.31	3.298	11.488	0.963	2.072	0	0	0	0	0	0
11/15/2023@05:40:00.000 AM	1.165	3.02	11.715	0.825	1.887	0	0	0	0	0	0
11/15/2023@05:50:00.000 AM	1.412	3.817	10.369	0.853	2.018	0	0	0	0	0	0
11/15/2023@06:00:00.000 AM	0.885	4.073	9.665	0.841	2.209	0.321	0	0	0	0	0
11/15/2023@06:10:00.000 AM	0.963	4.332	9.47	1.813	2.229	0.364	0.478	0	0	0	0
11/15/2023@06:20:00.000 AM	0.989	4.041	10.531	1.98	2.216	0	0.472	0	0	0	0
11/15/2023@06:30:00.000 AM	1.275	3.574	11.488	1.359	1.965	0.628	0	0	0	0	0
11/15/2023@06:40:00.000 AM	1.209	3.31	12.027	1.163	1.943	0.673	0.519	0	0	0	0
11/15/2023@06:50:00.000 AM	1.024	3.15	11.991	0.96	2.065	0.497	0	0	0	0	0
11/15/2023@07:00:00.000 AM	0.939	3.756	11.213	1.362	2.278	0	0	0	0	0	0
11/15/2023@07:10:00.000 AM	1.028	4.09	10.018	0.748	2.166	0.309	0	0.322	0	0	0
11/15/2023@07:20:00.000 AM	1.271	4.242	9.744	0.942	2.207	0.345	0	0	0	0	0
11/15/2023@07:30:00.000 AM	0.878	4.547	10.675	1.922	2.186	0	0	0	0	0	0

11/15/2023@07:40:00.000 AM	1.366	3.919	11.217	0.975	2.283	0	0	0	0	0	0
11/15/2023@07:50:00.000 AM	1.152	4.106	11.36	0.889	2.056	0.327	0	0	0	0	0
11/15/2023@08:00:00.000 AM	0.91	4.505	11.179	0.765	2.266	0	0	0	0	0	0
11/15/2023@08:10:00.000 AM	0.952	5.625	10.532	0.744	2.176	0	0	0	0	0	0
11/15/2023@08:20:00.000 AM	0.642	5.846	9.839	1.056	2.313	0	0	0	0	0	0
11/15/2023@08:30:00.000 AM	1.086	4.817	10.902	1.101	2.229	0	0	0	0	0	0
11/15/2023@08:40:00.000 AM	0.931	5.205	10.207	0.893	2.103	0	0	0	0	0	0
11/15/2023@08:50:00.000 AM	0.949	4.642	10.935	1.087	2.117	0.396	0.378	0.362	0	0	0
11/15/2023@09:00:00.000 AM	0.946	5.329	10.052	0.916	1.872	0	0	0	0	0	0
11/15/2023@09:10:00.000 AM	0.719	6.075	9.312	1.198	2.044	0	0	0	0	0	0
11/15/2023@09:20:00.000 AM	0.593	5.458	9.563	0.363	1.762	0	0	0	0	0	0
11/15/2023@09:30:00.000 AM	0.556	5.539	9.308	0.768	1.653	0.334	0	0	0	0	0
11/15/2023@09:40:00.000 AM	0.834	5.122	10.235	1.178	2.118	0	0	0.328	0	0	0
11/15/2023@09:50:00.000 AM	0.832	5.302	9.36	0.616	1.875	0	0	0	0	0	0
11/15/2023@10:00:00.000 AM	0.66	7.181	10.466	1.742	1.38	1.077	0.442	0	0	0	0
11/15/2023@10:10:00.000 AM	0.695	7.023	9.265	1.406	1.316	0.565	0.657	0	0	0	0

11/15/2023@10:20:00.000 AM	0.654	6.619	9.412	0.579	1.915	0	0	0	0	0	0
11/15/2023@10:30:00.000 AM	0.361	6.974	9.778	2.141	1.682	0.434	0.474	0.315	0	0	0
11/15/2023@10:40:00.000 AM	0.645	7.433	8.597	0.467	1.525	0.669	0	0	0	0	0
11/15/2023@10:50:00.000 AM	0.68	7.15	9.098	0.379	1.958	0.464	0	0	0.412	0	0
11/15/2023@11:00:00.000 AM	0.634	6.024	9.68	0.957	1.676	0.343	0	0	0	0	0
11/15/2023@11:10:00.000 AM	0.64	5.702	10.119	0.542	1.617	0	0	0.303	0	0	0
11/15/2023@11:20:00.000 AM	0.534	6.019	9.813	1.216	1.669	0.312	0	0.362	0	0	0
11/15/2023@11:30:00.000 AM	0	6.371	9.2	1.198	1.729	0	0	0.347	0	0	0
11/15/2023@11:40:00.000 AM	0.572	6.694	9.477	1.801	1.887	0.504	0	0.344	0	0	0
11/15/2023@11:50:00.000 AM	0.538	6.876	8.382	0.446	1.352	0.407	0	0	0	0	0
11/15/2023@12:00:00.000 PM	0.601	6.861	8.238	0.389	1.678	0.622	0	0	0	0	0
11/15/2023@12:10:00.000 PM	0.333	6.465	8.843	1.757	1.431	0	0	0	0	0	0
11/15/2023@12:20:00.000 PM	0	6.416	8.677	2.025	1.067	0	0.308	0	0	0	0
11/15/2023@12:30:00.000 PM	0.474	6.283	8.445	0.555	1.559	0.467	0	0	0	0	0
11/15/2023@12:40:00.000 PM	0.446	6.263	8.899	1.724	0.956	0.415	0.412	0.3	0.3	0	0
11/15/2023@12:50:00.000 PM	0.559	5.752	9.528	0.647	1.658	0.368	0	0	0	0	0

11/15/2023@01:00:00.000 PM	0.613	5.811	10.023	0.507	1.826	0	0	0	0	0	0
11/15/2023@01:10:00.000 PM	0.466	5.78	10.691	0.848	1.514	0.421	0	0	0	0	0
11/15/2023@01:20:00.000 PM	0.441	6.408	9.392	1.046	1.567	0.439	0	0	0	0	0
11/15/2023@01:30:00.000 PM	0.419	6.589	9.062	0.468	1.628	0.415	0	0	0	0	0
11/15/2023@01:40:00.000 PM	0.401	6.745	8.487	0	1.406	0.451	0	0.42	0	0	0
11/15/2023@01:50:00.000 PM	0.499	6.625	8.887	0.353	1.475	0.531	0	0	0	0	0
11/15/2023@02:00:00.000 PM	0.614	6.282	9.734	0.438	1.697	0.358	0	0	0	0	0
11/15/2023@02:10:00.000 PM	0.469	6.268	10.011	0	1.873	0.373	0	0	0	0	0
11/15/2023@02:20:00.000 PM	0.395	7.215	9.392	2.672	0.766	0.524	0.377	0	0	0	0
11/15/2023@02:30:00.000 PM	0.465	7.223	8.633	0	1.239	0.566	0	0	0	0	0
11/15/2023@02:40:00.000 PM	0.414	6.265	10.083	0.483	1.607	0.37	0	0	0	0	0
11/15/2023@02:50:00.000 PM	0.561	5.907	10.951	0.646	1.7	0.359	0	0	0	0	0
11/15/2023@03:00:00.000 PM	0.577	6.086	10.433	0.545	1.755	0.569	0	0	0	0	0
11/15/2023@03:10:00.000 PM	0.517	7.052	8.567	0.658	1.54	0.62	0	0.313	0	0	0
11/15/2023@03:20:00.000 PM	0.502	6.99	8.469	0.429	1.348	0.724	0	0	0	0	0
11/15/2023@03:30:00.000 PM	0.676	6.825	8.258	0.625	1.451	0.673	0	0	0	0	0

11/15/2023@03:40:00.000 PM	0.546	6.037	9.952	0.43	1.902	0.533	0	0	0	0	0
11/15/2023@03:50:00.000 PM	0.559	6.223	10.016	0.474	1.814	0.407	0	0	0	0	0
11/15/2023@04:00:00.000 PM	0.518	6.523	8.94	0.429	1.681	0.609	0	0	0	0	0
11/15/2023@04:10:00.000 PM	0.48	6.298	9.309	0.405	1.79	0.455	0	0	0	0	0
11/15/2023@04:20:00.000 PM	0.509	6.865	9.588	1.259	1.377	0.42	0	0	0	0	0
11/15/2023@04:30:00.000 PM	0.536	6.332	9.232	0.35	1.709	0.536	0	0	0	0	0
11/15/2023@04:40:00.000 PM	0	6.875	8.226	0	1.605	0.626	0	0	0	0	0
11/15/2023@04:50:00.000 PM	0.502	7.765	7.986	2.378	0.611	0.888	0	0.327	0	0	0
11/15/2023@05:00:00.000 PM	0.518	7.229	7.44	0.434	1.404	0.641	0	0.313	0	0	0
11/15/2023@05:10:00.000 PM	0.63	6.785	8.58	0.484	1.673	0.794	0	0	0	0	0
11/15/2023@05:20:00.000 PM	0.551	6.514	8.554	0.38	1.636	0.432	0	0	0	0	0
11/15/2023@05:30:00.000 PM	0.833	8.498	17.18	0.583	2.862	0.472	0	0	0	0	0
11/15/2023@05:40:00.000 PM	0.746	5.853	11.079	0.346	2.161	0.314	0	0	0	0	0
11/15/2023@05:50:00.000 PM	0.584	6.358	10.63	1.307	1.481	0.33	0	0	0	0	0
11/15/2023@06:00:00.000 PM	0.495	6.308	11.97	1.12	2.291	0	0.354	0	0	0	0
11/15/2023@06:10:00.000 PM	0.458	6.437	11.105	1.459	2.045	0	0.378	0	0	0	0

11/15/2023@06:20:00.000 PM	0.369	7.298	9.085	1.466	2.062	0.312	0	0	0	0	0
11/15/2023@06:30:00.000 PM	0.855	7.361	9.554	0	1.82	0.447	0	0	0	0	0
11/15/2023@06:40:00.000 PM	0.724	6.374	9.825	0.364	1.853	0.617	0.344	0	0	0	0
11/15/2023@06:50:00.000 PM	0.726	5.723	10.658	0.373	2.169	0.348	0	0	0	0	0
11/15/2023@07:00:00.000 PM	0.638	6.248	9.855	0.638	1.766	0.477	0	0	0	0	0
11/15/2023@07:10:00.000 PM	0.622	6.685	10.408	1.603	1.701	0.519	0	0	0	0	0
11/15/2023@07:20:00.000 PM	0.406	6.467	9.625	0.447	1.8	0.54	0	0	0	0	0
11/15/2023@07:30:00.000 PM	0.672	7.272	9.643	0.406	1.875	0.866	0.305	0	0	0	0
11/15/2023@07:40:00.000 PM	0.64	7.094	9.525	0.485	2.534	0.974	0.426	0	0	0	0
11/15/2023@07:50:00.000 PM	0.696	5.926	11.693	0.769	2.506	0.378	0	0	0	0	0
11/15/2023@08:00:00.000 PM	0.6	5.78	9.93	0.703	2.154	0	0	0	0	0	0
11/15/2023@08:10:00.000 PM	0.318	6.14	10.302	3.313	1.761	0.662	0.489	0	0	0	0
11/15/2023@08:20:00.000 PM	0.694	6.063	9.902	0.865	2.322	0	0	0.313	0	0	0
11/15/2023@08:30:00.000 PM	0.487	6.865	7.361	0.537	2.106	0	0	0	0	0	0
11/15/2023@08:40:00.000 PM	0.649	6.415	8.601	0	1.896	0	0.43	0	0	0	0
11/15/2023@08:50:00.000 PM	0.857	5.82	8.904	0.649	1.942	0	0.323	0	0	0	0

11/15/2023@09:00:00.000 PM	0.872	6.039	9.083	0.607	2.018	0	0.3	0	0	0	0
11/15/2023@09:10:00.000 PM	0.458	6.273	8.776	0.624	2.11	0	0.503	0	0	0	0
11/15/2023@09:20:00.000 PM	0.611	7.42	7.48	0.448	1.952	1.151	0.344	0	0	0	0
11/15/2023@09:30:00.000 PM	0.52	7.463	7.544	0	2.053	0	0	0	0	0	0
11/15/2023@09:40:00.000 PM	0.501	7.138	8.588	1.504	1.761	0.876	1.063	0.405	0	0	0
11/15/2023@09:50:00.000 PM	0.686	6.222	9.656	0	2.047	0	0	0	0	0	0
11/15/2023@10:00:00.000 PM	0.753	6.193	9.639	0.554	2.217	0.445	0	0	0	0	0
11/15/2023@10:10:00.000 PM	0.698	6.248	9.319	0.518	2.23	0.359	0	0	0	0	0
11/15/2023@10:20:00.000 PM	0.617	7.003	8.16	0.445	2.075	0.422	0	0	0	0	0
11/15/2023@10:30:00.000 PM	0.625	7.14	7.63	0.55	1.857	0.534	0	0	0	0	0
11/15/2023@10:40:00.000 PM	0.428	6.389	8.632	2.154	2.028	0.352	0.346	0	0	0	0
11/15/2023@10:50:00.000 PM	0.698	6.003	9.582	0.319	2.147	0	0	0	0	0	0
11/15/2023@11:00:00.000 PM	0.954	6.012	9.423	0.395	2.229	0.419	0.489	0	0	0	0
11/15/2023@11:10:00.000 PM	0.703	6.684	8.844	0.302	2.067	0.555	0	0	0	0	0
11/15/2023@11:20:00.000 PM	0.736	7.16	7.231	0	1.793	0	0	0	0	0	0
11/15/2023@11:30:00.000 PM	0.803	6.418	8.195	0.432	2.115	0	0	0	0	0	0

11/15/2023@11:40:00.000 PM	0.722	5.983	9.923	1.183	2.171	0	0	0	0	0	0
11/15/2023@11:50:00.000 PM	0.842	5.332	9.115	0.424	1.316	0.577	0	0	0	0	0
11/16/2023@12:00:00.000 AM	0.973	6.9	7.444	0.781	1.673	0	0	0	0	0	0
11/16/2023@12:10:00.000 AM	0.833	6.485	6.623	0.634	1.494	0	0	0	0	0	0
11/16/2023@12:20:00.000 AM	0.704	7.248	6.787	0.613	1.678	0.377	0	0	0	0	0
11/16/2023@12:30:00.000 AM	0.653	6.016	8.754	0.755	1.546	0.343	0	0	0	0	0
11/16/2023@12:40:00.000 AM	0.697	5.488	9.4	0.822	1.77	0	0	0	0	0	0
11/16/2023@12:50:00.000 AM	0.577	5.545	9.143	0.472	1.635	0.452	0	0	0	0	0
11/16/2023@01:00:00.000 AM	0.863	5.994	8.745	0.687	1.786	0	0	0	0	0	0
11/16/2023@01:10:00.000 AM	0.746	6.689	6.132	0.554	1.54	0	0	0	0	0	0
11/16/2023@01:20:00.000 AM	0.905	6.542	7.209	0.769	1.688	0	0	0	0	0	0
11/16/2023@01:30:00.000 AM	0.854	5.873	8.536	0.479	1.612	0.498	0	0	0	0	0
11/16/2023@01:40:00.000 AM	1.022	5.661	9.11	0.554	1.794	0.412	0	0	0	0	0
11/16/2023@01:50:00.000 AM	0.722	5.233	9.353	0.531	1.572	0.441	0	0	0	0	0
11/16/2023@02:00:00.000 AM	0.907	5.963	8.947	0.688	2.136	0	0	0	0	0	0
11/16/2023@02:10:00.000 AM	0.93	6.187	8.039	0	1.655	0.336	0	0	0	0	0

11/16/2023@02:20:00.000 AM	1.23	5.698	9.242	1.158	1.641	0	0	0	0	0	0
11/16/2023@02:30:00.000 AM	1.105	5.439	10.194	1.006	1.96	0	0.311	0	0	0	0
11/16/2023@02:40:00.000 AM	0.916	5.04	9.659	1.264	1.668	0.749	0	0	0	0	0
11/16/2023@02:50:00.000 AM	0.776	6.172	7.333	0.652	1.58	0	0	0	0	0	0
11/16/2023@03:00:00.000 AM	0.951	5.954	7.022	0.647	1.359	0	0	0	0	0	0
11/16/2023@03:10:00.000 AM	0.935	5.108	8.663	0.499	1.577	0.486	0	0	0	0	0
11/16/2023@03:20:00.000 AM	0.96	4.465	9.167	0.537	1.561	0.648	0	0	0	0	0
11/16/2023@03:30:00.000 AM	0.906	4.89	9.493	0.773	1.57	0.595	0	0.539	0	0	0
11/16/2023@03:40:00.000 AM	0.716	5.384	8.88	0.625	1.685	0.648	0	0.334	0	0	0
11/16/2023@03:50:00.000 AM	1.076	5.33	8.346	0.771	1.598	0.513	0	0.352	0	0	0
11/16/2023@04:00:00.000 AM	1.107	5.232	8.542	0.651	1.459	0.391	0	0.405	0	0	0
11/16/2023@04:10:00.000 AM	1.207	5.136	8.805	0.497	1.407	0.638	0	0.316	0	0	0
11/16/2023@04:20:00.000 AM	1.215	4.854	9.31	0.549	1.624	0.59	0	0.358	0	0	0
11/16/2023@04:30:00.000 AM	1.361	5.124	8.82	0.423	1.501	0.536	0	0	0	0	0
11/16/2023@04:40:00.000 AM	1.103	5.46	8.092	0.553	1.237	0.618	0	0	0	0	0
11/16/2023@04:50:00.000 AM	0.849	5.935	7.8	0.56	1.559	0.615	0	0	0	0	0

11/16/2023@05:00:00.000 AM	1.218	5.761	7.986	0.607	1.436	0.625	0	0	0	0	0
11/16/2023@05:10:00.000 AM	1.611	4.875	9.428	0.586	1.382	0.876	0	0	0	0	0
11/16/2023@05:20:00.000 AM	1.012	5.044	9.976	1.988	0.908	0.744	0.408	0.439	0	0	0
11/16/2023@05:30:00.000 AM	1.089	5.231	9.347	0.947	1.243	0.596	0	0	0	0	0
11/16/2023@05:40:00.000 AM	1.347	5.36	8.135	1.136	1.686	0.332	0.324	0	0	0	0
11/16/2023@05:50:00.000 AM	1.166	5.756	7.702	0.677	1.498	0	0	0	0	0	0
11/16/2023@06:00:00.000 AM	1.156	5.197	9.066	1.095	1.942	0	0	0	0	0	0
11/16/2023@06:10:00.000 AM	1.194	4.724	9.703	0.933	1.679	0.495	0	0	0	0	0
11/16/2023@06:20:00.000 AM	1.221	4.828	9.333	0.721	1.687	0.556	0	0	0	0	0
11/16/2023@06:30:00.000 AM	1.047	5.639	8.559	0.523	1.85	0	0.307	0	0	0	0
11/16/2023@06:40:00.000 AM	1.331	5.641	7.525	0.58	1.504	0.306	0	0	0	0	0
11/16/2023@06:50:00.000 AM	1.342	5.186	8.53	0.536	1.518	0.454	0.342	0	0	0	0
11/16/2023@07:00:00.000 AM	1.313	4.884	9.345	0.677	1.724	0.532	0	0	0	0	0
11/16/2023@07:10:00.000 AM	0.948	4.971	8.916	0.661	1.655	0.542	0	0	0	0	0
11/16/2023@07:20:00.000 AM	0.995	5.003	8.799	0.776	1.661	0.457	0	0	0	0	0
11/16/2023@07:30:00.000 AM	0.752	5.733	7.921	1.446	1.529	0.736	0	0	0	0	0

11/16/2023@07:40:00.000 AM	1.062	5.138	8.267	0.81	1.363	0.354	0	0	0	0	0
11/16/2023@07:50:00.000 AM	1.313	5.393	8.404	0.634	1.541	0.445	0	0	0	0	0
11/16/2023@08:00:00.000 AM	0.795	5.316	8.914	0.621	1.639	0.603	0	0	0	0	0
11/16/2023@08:10:00.000 AM	0.691	6.176	7.316	0.701	1.79	0	0	0	0	0	0
11/16/2023@08:20:00.000 AM	0.638	5.848	6.863	0.518	1.585	0	0	0	0	0	0
11/16/2023@08:30:00.000 AM	0.789	5.865	6.778	0.496	1.592	0	0	0	0	0	0
11/16/2023@08:40:00.000 AM	0.733	5.79	7.068	0.508	1.356	0.308	0	0	0	0	0
11/16/2023@08:50:00.000 AM	0.859	5.497	7.775	0.3	1.307	0.584	0	0	0	0	0
11/16/2023@09:00:00.000 AM	0.557	6.143	8.592	1.661	1.646	0.314	0.32	0	0	0	0
11/16/2023@09:10:00.000 AM	0.51	6.223	8.68	1.814	1.991	0	0	0	0	0	0
11/16/2023@09:20:00.000 AM	0.704	5.882	9.045	0.8	1.824	0.454	0	0	0	0	0
11/16/2023@09:30:00.000 AM	0.707	5.827	9.897	0.85	1.953	0.318	0	0	0	0	0
11/16/2023@09:40:00.000 AM	0.961	5.229	10.581	1.01	1.559	0.436	0.438	0	0	0	0
11/16/2023@09:50:00.000 AM	0.897	6.019	10.425	0.635	1.587	0.625	0.719	0	0	0	0
11/16/2023@10:00:00.000 AM	0.503	6.806	10.299	0.711	2.476	0.635	0.418	0	0	0	0
11/16/2023@10:10:00.000 AM	0.755	6.993	9.736	1.458	1.308	0.719	0	0	0	0	0

11/16/2023@10:20:00.000 AM	0.628	6.073	9.675	0.377	1.616	0.573	0	0	0	0	0
11/16/2023@10:30:00.000 AM	0.479	6.059	10.584	1.712	1.692	0	0.303	0	0	0	0
11/16/2023@10:40:00.000 AM	0.475	5.57	11.487	0.493	1.915	0.381	0	0	0	0	0
11/16/2023@10:50:00.000 AM	0.353	6.342	10.083	0	2.019	0.373	0	0	0	0	0
11/16/2023@11:00:00.000 AM	0.517	6.539	9.639	0.717	1.98	0.386	0	0	0	0	0
11/16/2023@11:10:00.000 AM	0.371	5.968	10.852	0.572	2.206	0.658	0.408	0	0	0	0
11/16/2023@11:20:00.000 AM	0.467	6.3	10.197	1.575	2.025	0	0	0	0	0	0
11/16/2023@11:30:00.000 AM	0.467	5.518	10.976	0.577	2.003	0	0	0	0	0	0
11/16/2023@11:40:00.000 AM	0.51	5.965	11.316	0.378	2.46	0.362	0	0	0	0	0
11/16/2023@11:50:00.000 AM	0.565	6.544	10.799	0	2.303	0.372	0	0	0	0	0
11/16/2023@12:00:00.000 PM	0.459	6.428	11.247	0	2.425	0.339	0	0	0	0	0
11/16/2023@12:10:00.000 PM	0.488	6.594	10.628	0	1.911	0.425	0	0	0	0	0
11/16/2023@12:20:00.000 PM	0.326	6.558	10.072	1.621	1.99	0	0	0	0	0	0
11/16/2023@12:30:00.000 PM	0.439	6.068	11.905	3.29	1.42	1.512	1.449	0.64	0	0	0
11/16/2023@12:40:00.000 PM	0.597	6.253	11.405	2.293	1.549	1.117	0.876	0	0	0	0
11/16/2023@12:50:00.000 PM	0.731	6.809	9.35	0.449	1.745	0.364	0	0	0	0	0

11/16/2023@01:00:00.000 PM	0.697	6.773	9.062	0.401	1.834	0.495	0	0	0	0	0
11/16/2023@01:10:00.000 PM	0.497	5.866	10.283	1.12	1.651	0	0	0	0	0	0
11/16/2023@01:20:00.000 PM	0.592	5.619	10.098	0.313	1.713	0	0	0	0	0	0
11/16/2023@01:30:00.000 PM	0.398	5.458	11.619	0.482	1.875	0	0	0	0	0	0
11/16/2023@01:40:00.000 PM	0.51	6.242	10.748	0	1.766	0.435	0	0	0	0	0
11/16/2023@01:50:00.000 PM	0.671	6.766	9.453	0.476	1.705	0.462	0	0	0	0	0
11/16/2023@02:00:00.000 PM	0.53	6.058	10.937	0	1.875	0.398	0	0	0	0	0
11/16/2023@02:10:00.000 PM	0.572	6.212	10.957	1.391	1.922	0	0	0	0	0	0
11/16/2023@02:20:00.000 PM	0.647	6.341	10	0.573	1.941	0.411	0	0	0	0	0
11/16/2023@02:30:00.000 PM	0.609	6.229	10.204	0.422	1.984	0	0	0	0	0	0
11/16/2023@02:40:00.000 PM	0.695	6.96	8.787	0	1.74	0.452	0	0	0	0	0
11/16/2023@02:50:00.000 PM	0.355	6.779	10.111	1.074	1.699	0	0	0	0	0	0
11/16/2023@03:00:00.000 PM	0.589	6.239	10.077	0.604	1.757	0	0	0	0	0	0
11/16/2023@03:10:00.000 PM	0.444	5.874	10.483	0.975	1.737	0	0	0	0	0	0
11/16/2023@03:20:00.000 PM	0.367	6.185	8.889	0.821	1.901	0.472	0	0	0	0	0
11/16/2023@03:30:00.000 PM	0.39	6.111	10.078	0.356	1.835	0.401	0	0	0	0	0

11/16/2023@03:40:00.000 PM	0.556	5.885	10.406	0.614	1.523	0.414	0	0	0	0	0
11/16/2023@03:50:00.000 PM	0.696	5.915	10.528	0.439	1.938	0.315	0	0	0	0	0
11/16/2023@04:00:00.000 PM	0.505	6.693	8.864	0.364	1.616	0.549	0	0	0	0	0
11/16/2023@04:10:00.000 PM	0.492	6.171	9.345	0	1.695	0.409	0	0	0	0	0
11/16/2023@04:20:00.000 PM	0.469	6.469	9.266	0	1.777	0.436	0	0	0	0	0
11/16/2023@04:30:00.000 PM	0.454	6.029	10.147	0.474	1.898	0	0	0	0	0	0
11/16/2023@04:40:00.000 PM	0.491	5.516	10.989	0	1.953	0	0	0	0	0	0
11/16/2023@04:50:00.000 PM	0.317	6.047	9.871	1.362	1.951	0.371	0	0	0	0	0
11/16/2023@05:00:00.000 PM	0.417	6.329	10.411	2.132	1.073	0.525	0	0	0.335	0	0
11/16/2023@05:10:00.000 PM	0.529	6.148	10.208	0	1.843	0.624	0	0	0	0	0
11/16/2023@05:20:00.000 PM	0.67	5.764	11.11	0	2.107	0.371	0	0	0	0	0
11/16/2023@05:30:00.000 PM	0.695	5.919	10.914	0.75	1.83	0.399	0	0	0	0	0
11/16/2023@05:40:00.000 PM	0.775	6.28	10.462	0	1.951	0.574	0	0	0	0	0
11/16/2023@05:50:00.000 PM	0.527	6.101	10.505	0	2.139	0.503	0	0	0	0	0
11/16/2023@06:00:00.000 PM	0.584	5.884	11.289	0	2.245	0.428	0	0	0	0	0
11/16/2023@06:10:00.000 PM	0.51	6.296	9.693	0.899	1.785	0.317	0	0	0	0	0

11/16/2023@06:20:00.000 PM	0.447	6.524	9.524	1.762	1.746	0	0.368	0	0	0	0
11/16/2023@06:30:00.000 PM	0.644	6.345	9.204	0	1.506	0.63	0	0	0	0	0
11/16/2023@06:40:00.000 PM	0.721	5.967	8.622	0.431	1.607	0.687	0.569	0	0	0	0
11/16/2023@06:50:00.000 PM	0.77	5.485	9.06	0.476	1.534	0.412	0	0	0	0	0
11/16/2023@07:00:00.000 PM	0.619	5.353	9.376	0.336	1.643	0.357	0	0.324	0	0	0
11/16/2023@07:10:00.000 PM	0.753	6.118	8.041	0.425	1.816	0.315	0	0	0	0	0
11/16/2023@07:20:00.000 PM	0.615	6.073	7.853	0.484	1.656	0.5	0	0.327	0	0	0
11/16/2023@07:30:00.000 PM	0.724	7.182	7.076	0.359	1.686	0	0	0.305	0	0	0
11/16/2023@07:40:00.000 PM	0.711	6.858	7.554	0.433	2.054	0	0.305	0	0	0	0
11/16/2023@07:50:00.000 PM	0.803	8.923	11.749	2.456	6.299	2.749	1.701	1.243	0.918	0	0.371
11/16/2023@08:00:00.000 PM	0.756	6.549	8.63	1.04	3.774	1.123	0	1.153	0.536	0	0
11/16/2023@08:10:00.000 PM	0.392	7.764	11.925	2.577	5.627	1.213	0.405	1.47	0.536	0	0.647
11/16/2023@08:20:00.000 PM	0.562	8.117	10.829	1.678	3.805	1.905	1.84	0.57	0.587	0	0.509
11/16/2023@08:30:00.000 PM	0.336	6.98	6.947	1.198	2.886	1.527	0.429	0.608	0.611	0	0.427
11/16/2023@08:40:00.000 PM	0.412	5.663	5.312	1.286	2.132	1.826	1.303	0	0.342	0	0.542
11/16/2023@08:50:00.000 PM	0.577	5.985	11.067	1.145	2.386	0	0	0.414	0.307	0	0

11/16/2023@09:00:00.000 PM	0.946	5.893	9.609	0.619	1.777	0.857	0	0	0	0	0.427
11/16/2023@09:10:00.000 PM	0.556	6.095	8.948	0.846	2.029	0.387	0	0	0	0	0.301
11/16/2023@09:20:00.000 PM	0.681	7.176	10.692	1.853	1.675	0.934	0.697	0.807	0	0	0
11/16/2023@09:30:00.000 PM	0.579	6.807	9.015	0.565	1.997	0	0	0	0	0	0.302
11/16/2023@09:40:00.000 PM	0.617	6.633	8.678	0	1.601	0	0	0	0	0	0.323
11/16/2023@09:50:00.000 PM	0.675	7.292	8.483	0	2.287	0	0	0	0	0	0.372
11/16/2023@10:00:00.000 PM	0.554	6.971	9.079	0.599	1.867	0.382	0	0	0	0	0.335
11/16/2023@10:10:00.000 PM	0.699	5.924	10.403	0.78	2.151	0	0	0	0	0	0
11/16/2023@10:20:00.000 PM	0.417	6.125	8.614	0.34	1.938	0.397	0	0	0	0	0.353
11/16/2023@10:30:00.000 PM	0.557	6.5	8.209	0.438	1.995	0.386	0	0	0	0	0.335
11/16/2023@10:40:00.000 PM	0.405	6.512	6.923	0.669	1.933	0.443	0	0.326	0	0	0.379
11/16/2023@10:50:00.000 PM	0.654	5.483	9.371	0.513	1.927	0.504	0.384	0	0	0	0
11/16/2023@11:00:00.000 PM	0.737	5.723	8.618	0	1.635	0	0	0	0	0	0.323
11/16/2023@11:10:00.000 PM	0.815	5.723	8.602	0.391	1.994	0.35	0	0	0	0	0
11/16/2023@11:20:00.000 PM	0.54	6.553	7.44	0.322	1.965	0.301	0	0	0	0	0
11/16/2023@11:30:00.000 PM	0.507	6.644	7.65	0.815	2.214	0	0.328	0	0	0	0

11/16/2023@11:40:00.000 PM	0.722	8.992	13.624	1.372	2.586	0	0.415	0.679	0	0	0.514
11/16/2023@11:50:00.000 PM	0.96	6.377	9.698	0.753	1.915	0	0	0	0	0	0
11/17/2023@12:00:00.000 AM	0.54	6.932	7.343	0	1.735	0	0	0	0	0	0
11/17/2023@12:10:00.000 AM	0.481	7.454	6.615	0.491	1.456	0	0	0	0	0	0
11/17/2023@12:20:00.000 AM	0.641	7.139	7.017	0.385	1.33	0	0	0	0	0	0
11/17/2023@12:30:00.000 AM	0.823	7.126	7.373	0.426	1.844	0	0	0	0	0	0
11/17/2023@12:40:00.000 AM	0.497	6.614	8.416	0.443	1.646	0	0	0	0	0	0
11/17/2023@12:50:00.000 AM	0.571	6.901	6.872	0.422	1.497	0	0	0	0	0	0
11/17/2023@01:00:00.000 AM	0.553	6.315	6.693	0.514	1.436	0	0	0	0	0	0
11/17/2023@01:10:00.000 AM	0.821	6.371	6.99	0.63	1.192	0	0	0	0	0	0
11/17/2023@01:20:00.000 AM	0.619	6.512	6.354	0.529	1.453	0.307	0	0	0	0	0
11/17/2023@01:30:00.000 AM	0.716	6.941	6.454	0.547	1.574	0	0	0	0	0	0
11/17/2023@01:40:00.000 AM	0.776	6.277	6.287	0.377	1.394	0	0	0	0	0	0
11/17/2023@01:50:00.000 AM	0.723	6.25	6.802	0.353	1.209	0	0	0	0	0	0
11/17/2023@02:00:00.000 AM	0.844	6.1	6.976	0.644	1.22	0	0	0	0	0	0
11/17/2023@02:10:00.000 AM	0.925	6.328	7.737	0.719	1.482	0	0	0	0	0	0

11/17/2023@02:20:00.000 AM	0.829	5.868	8.134	0.488	1.351	0.386	0	0	0	0	0
11/17/2023@02:30:00.000 AM	0.875	6.033	7.692	0.535	1.512	0.363	0	0	0	0	0
11/17/2023@02:40:00.000 AM	0.704	6.624	7.78	1.576	0.983	0.548	0	0	0	0	0
11/17/2023@02:50:00.000 AM	0.949	5.293	8.247	0.665	1.6	0.653	0	0	0	0	0
11/17/2023@03:00:00.000 AM	0.701	6.233	7.39	0.621	1.456	0	0	0	0	0	0
11/17/2023@03:10:00.000 AM	0.895	6.056	7.734	0.589	1.407	0	0	0	0	0	0
11/17/2023@03:20:00.000 AM	0.855	5.792	8.186	1.001	1.669	0.399	0	0	0	0	0
11/17/2023@03:30:00.000 AM	0.86	5.719	7.501	0.615	1.409	0.339	0	0	0	0	0
11/17/2023@03:40:00.000 AM	0.788	5.479	7.69	0.69	1.474	0	0	0	0	0	0
11/17/2023@03:50:00.000 AM	0.913	5.181	7.644	0.735	1.396	0	0	0	0	0	0
11/17/2023@04:00:00.000 AM	0.799	5.268	7.86	1.426	1.113	0	0	0	0	0	0
11/17/2023@04:10:00.000 AM	0.789	5.418	7.941	1.015	0.954	0.6	0	0	0	0	0
11/17/2023@04:20:00.000 AM	0.873	5.278	6.899	0.416	1.177	0.551	0	0	0	0	0
11/17/2023@04:30:00.000 AM	0.874	5.264	7.079	0.382	1.392	0.34	0	0	0	0	0
11/17/2023@04:40:00.000 AM	1.003	4.678	8.137	0.741	1.404	0.367	0	0	0	0	0
11/17/2023@04:50:00.000 AM	1.018	4.64	7.741	0.729	1.419	0.483	0	0	0	0	0

11/17/2023@05:00:00.000 AM	1.04	4.457	8.545	0.783	1.283	0.537	0	0	0	0	0
11/17/2023@05:10:00.000 AM	1.403	4.837	7.165	0.567	1.427	0.328	0	0	0	0	0
11/17/2023@05:20:00.000 AM	1.019	5.087	8.151	0.617	1.371	0.473	0	0	0	0	0
11/17/2023@05:30:00.000 AM	1.27	4.701	9.725	0.489	1.264	0.578	0	0	0	0	0
11/17/2023@05:40:00.000 AM	1.189	5.056	8.887	0.383	1.41	0.567	0	0	0	0	0
11/17/2023@05:50:00.000 AM	1.372	4.913	8.563	0.635	1.444	0.655	0	0	0	0	0
11/17/2023@06:00:00.000 AM	1.328	5.188	7.889	0.803	1.576	0	0	0	0	0	0
11/17/2023@06:10:00.000 AM	1.225	5.36	6.97	0.372	1.519	0.396	0	0	0	0	0
11/17/2023@06:20:00.000 AM	1.072	4.789	9.141	2.131	0.914	1.539	0.944	0.524	0	0	0
11/17/2023@06:30:00.000 AM	1.073	4.897	10.105	2.169	0.382	1.461	0.695	0.645	0	0	0
11/17/2023@06:40:00.000 AM	1.047	4.049	9.579	1.043	1.82	0	0	0	0	0	0
11/17/2023@06:50:00.000 AM	1.247	5.223	7.358	0.92	1.235	0.378	0	0	0	0	0
11/17/2023@07:00:00.000 AM	1.042	5.645	6.746	0.397	0.997	0.429	0	0	0	0	0
11/17/2023@07:10:00.000 AM	1.118	5.062	8.299	0.812	1.455	0	0	0	0	0	0
11/17/2023@07:20:00.000 AM	0.925	4.712	7.723	0.319	1.064	1.11	0	0	0	0	0
11/17/2023@07:30:00.000 AM	0.979	4.415	8.089	0.624	1.298	0.676	0	0	0	0	0

11/17/2023@07:40:00.000 AM	0.638	5.381	7.78	1.862	1.526	0.494	0	0	0	0	0
11/17/2023@07:50:00.000 AM	0.943	5.871	5.847	1.349	1.573	0	0	0	0	0	0
11/17/2023@08:00:00.000 AM	0.817	5.617	7.554	0.647	1.571	0	0	0	0	0	0
11/17/2023@08:10:00.000 AM	0.773	5.089	7.624	0.414	1.294	0.455	0	0	0	0	0
11/17/2023@08:20:00.000 AM	0.909	5.361	6.937	0.46	1.242	0.437	0	0	0	0	0
11/17/2023@08:30:00.000 AM	0.641	5.643	6.596	0.687	1.469	0	0	0	0	0	0
11/17/2023@08:40:00.000 AM	0.672	6.459	5.915	0.486	1.504	0	0	0	0	0	0
11/17/2023@08:50:00.000 AM	0.771	6.33	7.202	0.43	1.359	0	0	0	0	0	0
11/17/2023@09:00:00.000 AM	0.996	5.791	8.371	1.117	1.348	0.471	0	0	0	0	0
11/17/2023@09:10:00.000 AM	0.742	5.77	9.131	0.429	1.819	0.341	0	0	0	0	0
11/17/2023@09:20:00.000 AM	0.567	6.041	7.863	0.434	1.662	0.337	0	0	0	0	0
11/17/2023@09:30:00.000 AM	0.703	6.472	8.908	1.065	1.555	0	0	0	0	0	0
11/17/2023@09:40:00.000 AM	0.652	6.204	8.074	0.451	1.759	0.357	0	0	0	0	0
11/17/2023@09:50:00.000 AM	0.989	5.496	8.98	0.82	1.863	0.333	0	0	0	0	0
11/17/2023@10:00:00.000 AM	0.475	6.931	6.359	0.512	1.819	0	0	0	0	0	0
11/17/2023@10:10:00.000 AM	0.387	7.314	5.591	0.504	1.606	0	0	0	0	0	0

11/17/2023@10:20:00.000 AM	0.596	6.316	9.434	0.315	2.669	0	0	0	0	0	0
11/17/2023@10:30:00.000 AM	0.633	7.161	8.569	2.579	0.922	0.529	0.333	0	0	0	0
11/17/2023@10:40:00.000 AM	0.629	6.443	9.009	1.244	1.75	0	0	0	0	0	0
11/17/2023@10:50:00.000 AM	0.534	5.607	9.468	0	2.127	0	0	0	0	0	0
11/17/2023@11:00:00.000 AM	0.341	5.953	9.322	1.372	1.516	0	0	0	0	0	0
11/17/2023@11:10:00.000 AM	0.818	5.637	9.455	0.414	1.979	0	0	0	0	0	0
11/17/2023@11:20:00.000 AM	0	6.433	7.689	1.038	1.916	0	0	0	0	0	0
11/17/2023@11:30:00.000 AM	0.434	6.199	8.503	0	2.029	0.302	0	0	0	0	0
11/17/2023@11:40:00.000 AM	0.697	7.826	10.45	0	2.443	0	0	0	0	0	0
11/17/2023@11:50:00.000 AM	0.382	5.45	9.131	0.362	2.236	0	0	0	0	0	0
11/17/2023@12:00:00.000 PM	0.484	6.097	8.591	0	1.85	0	0	0	0	0	0
11/17/2023@12:10:00.000 PM	0.319	6.248	8.12	0	1.83	0	0	0	0	0	0
11/17/2023@12:20:00.000 PM	0	6.741	7.907	1.123	1.693	0	0	0	0	0	0
11/17/2023@12:30:00.000 PM	0.391	6.301	8.249	0	2.124	0	0	0	0	0	0
11/17/2023@12:40:00.000 PM	0.557	6.943	8.13	0.653	1.792	0.4	0	0	0	0	0
11/17/2023@12:50:00.000 PM	0.43	6.796	8.98	0	2.117	0	0	0	0	0	0

11/17/2023@01:00:00.000 PM	0.551	6.154	10.195	0.547	2.283	0	0	0	0	0	0
11/17/2023@01:10:00.000 PM	0.392	6.24	10.439	0.321	2.243	0	0	0	0	0	0
11/17/2023@01:20:00.000 PM	0.487	7.251	10.172	0.56	2.196	0	0	0	0	0	0
11/17/2023@01:30:00.000 PM	0.39	7.171	11.03	0	2.511	0	0	0	0	0	0
11/17/2023@01:40:00.000 PM	0.5	7.152	11.985	0.91	2.507	0	0	0	0	0	0
11/17/2023@01:50:00.000 PM	1.101	7.505	10.994	0	2.815	0	0	0	0	0	0
11/17/2023@02:00:00.000 PM	0.796	7.199	10.919	0.876	2.278	0	0	0	0	0	0
11/17/2023@02:10:00.000 PM	0	7.01	11.701	3.036	1.831	0.45	0	0	0	0	0
11/17/2023@02:20:00.000 PM	0	7.511	11.416	0.869	2.926	0	0	0	0	0	0
11/17/2023@02:30:00.000 PM	0.452	7.804	11.289	0	2.424	0	0	0	0	0	0
11/17/2023@02:40:00.000 PM	0.416	7.267	10.903	0	2.39	0	0	0	0	0	0
11/17/2023@02:50:00.000 PM	0.572	7.226	10.135	0.427	2.334	0	0	0	0	0	0
11/17/2023@03:00:00.000 PM	0.42	6.961	9.312	0.357	2.367	0	0	0	0	0	0
11/17/2023@03:10:00.000 PM	1.43	8.028	9.301	3.342	1.288	0.464	0	0	0	0	0
11/17/2023@03:20:00.000 PM	0.481	7.143	8.053	0.438	1.758	0	0	0	0	0	0
11/17/2023@03:30:00.000 PM	0.502	6.776	9.748	0	2.331	0	0	0	0	0	0

11/17/2023@03:40:00.000 PM	0.375	6.867	10.453	1.79	1.447	0.409	0.368	0.399	0	0	0
11/17/2023@03:50:00.000 PM	0.494	6.441	10.145	2.16	1.447	0.586	1.003	0.528	0	0	0
11/17/2023@04:00:00.000 PM	0.372	6.72	9.002	1.716	1.47	0.618	0.595	0.376	0	0	0
11/17/2023@04:10:00.000 PM	0.514	6.449	8.408	0.882	1.525	0.819	0	0	0	0	0
11/17/2023@04:20:00.000 PM	0.403	7.094	8.167	1.593	1.33	0.956	0	0	0	0	0
11/17/2023@04:30:00.000 PM	0.695	6.842	8.874	0.993	1.791	1.075	0	0	0	0	0
11/17/2023@04:40:00.000 PM	0.569	6.431	8.699	0.407	1.779	0.928	0	0	0	0	0
11/17/2023@04:50:00.000 PM	0.888	5.966	9.325	1.026	1.825	1.001	0.595	0	0	0	0
11/17/2023@05:00:00.000 PM	0	6.814	8.94	3.15	1.858	0.439	0.645	0	0.373	0	0
11/17/2023@05:10:00.000 PM	0	7.121	6.95	0.503	1.75	0.705	0	0.316	0	0	0.42
11/17/2023@05:20:00.000 PM	1.051	7.487	6.961	0	1.693	1.313	0.496	0	0	0	0
11/17/2023@05:30:00.000 PM	0.495	6.979	7.423	0.473	1.703	0.46	0.326	0	0	0	0.391
11/17/2023@05:40:00.000 PM	0.321	6.691	8.066	0.526	1.679	0.72	0	0	0	0	0.331
11/17/2023@05:50:00.000 PM	0.624	7.278	8.113	0.393	2.057	1.071	0	0	0	0	0.35
11/17/2023@06:00:00.000 PM	0.302	8.163	6.653	2.173	1.284	0.959	0.59	0	0	0	0.393
11/17/2023@06:10:00.000 PM	0.507	7.815	6.877	0.433	1.938	1.143	0	0	0	0	0.364

11/17/2023@06:20:00.000 PM	0.715	7.334	7.766	1.249	2.006	0.725	0.398	0	0	0	0
11/17/2023@06:30:00.000 PM	0	7.196	7.754	0.386	1.407	0.838	0	0	0	0	0.359
11/17/2023@06:40:00.000 PM	0.492	7.332	8.251	0.782	1.955	0.334	0.741	0.347	0	0	0.35
11/17/2023@06:50:00.000 PM	0.537	7.518	7.049	0.585	1.542	0.641	0	0.392	0	0	0.311
11/17/2023@07:00:00.000 PM	0.508	7.5	7.783	0.698	1.836	0.887	0	0	0.369	0	0.39
11/17/2023@07:10:00.000 PM	0.456	7.084	7.827	0.45	1.662	0.645	0	0	0	0	0.358
11/17/2023@07:20:00.000 PM	0.743	7.012	8.068	0.578	1.792	0.49	0.307	0.468	0	0	0.427
11/17/2023@07:30:00.000 PM	0.625	7.345	7.854	0.735	1.783	0.786	0.399	0	0	0	0.313
11/17/2023@07:40:00.000 PM	0.53	7.221	8.646	0.794	2.038	0.968	0	0	0	0	0
11/17/2023@07:50:00.000 PM	0.577	7.48	8.634	0.442	2.102	0.806	0	0	0	0	0
11/17/2023@08:00:00.000 PM	0.68	6.795	9.419	0	1.973	0.496	0	0	0	0	0.395
11/17/2023@08:10:00.000 PM	0.623	6.905	8.814	0.9	2.244	0.541	0	0	0	0	0.346
11/17/2023@08:20:00.000 PM	0.542	7.539	8.342	0.548	2.257	0.882	0	0	0	0	0
11/17/2023@08:30:00.000 PM	0	8.277	8.125	1.672	1.91	0.738	0.433	0	0	0	0
11/17/2023@08:40:00.000 PM	0.659	7.654	8.161	0.597	2.257	0.797	0	0	0	0	0
11/17/2023@08:50:00.000 PM	0.53	7.408	8.512	1.746	2.264	0.565	0.362	0	0	0	0

11/17/2023@09:00:00.000 PM	0.715	6.832	9.31	0.517	2.13	0.315	0	0	0	0	0
11/17/2023@09:10:00.000 PM	0.631	6.645	9.957	1.372	2.234	0.567	0	0	0	0	0
11/17/2023@09:20:00.000 PM	0.777	6.603	9.945	0.637	2.195	0	0	0	0	0	0
11/17/2023@09:30:00.000 PM	0.843	7.042	9.334	0.599	1.972	0.44	0	0	0	0	0
11/17/2023@09:40:00.000 PM	0.72	7.205	9.556	0.72	2.095	0.311	0	0	0	0	0
11/17/2023@09:50:00.000 PM	0.515	7.098	9.73	1.064	2.053	0	0	0	0	0	0
11/17/2023@10:00:00.000 PM	0.647	6.823	9.71	0.498	1.984	0	0	0	0	0	0
11/17/2023@10:10:00.000 PM	1.002	6.309	10.879	0.749	2.174	0	0	0	0	0	0
11/17/2023@10:20:00.000 PM	0.775	6.882	9.462	1.493	1.865	0	0	0	0	0	0
11/17/2023@10:30:00.000 PM	0.642	7.137	9.147	1.391	1.724	0	0.306	0	0	0	0
11/17/2023@10:40:00.000 PM	0.631	6.388	10.217	1.369	2.435	0.499	0	0	0	0	0
11/17/2023@10:50:00.000 PM	0.793	7.043	9.814	0.819	2.593	0.622	0.335	0.344	0	0	0
11/17/2023@11:00:00.000 PM	0.798	6.276	10.324	0.321	2.252	0	0	0	0	0	0
11/17/2023@11:10:00.000 PM	0.883	6.55	9.588	0.925	2.092	0.612	0	0.41	0	0	0
11/17/2023@11:20:00.000 PM	0.817	7.067	9.529	1.482	1.736	0	0.309	0	0	0	0
11/17/2023@11:30:00.000 PM	0.7	6.592	9.696	0.542	2.163	0.405	0	0	0	0	0

11/17/2023@11:40:00.000 PM	0.432	6.89	8.676	2.35	1.501	0.39	0.329	0	0	0	0
11/17/2023@11:50:00.000 PM	1.02	6.794	9.814	0.961	1.821	0.54	0	0	0	0	0
11/18/2023@12:00:00.000 AM	1.032	6.786	8.504	0.733	1.56	0.42	0	0	0	0	0
11/18/2023@12:10:00.000 AM	0.794	7.267	8.214	0.448	1.641	0	0	0	0	0	0
11/18/2023@12:20:00.000 AM	0.592	8.028	6.526	0.317	1.295	0	0	0	0	0	0
11/18/2023@12:30:00.000 AM	0.534	7.476	8.018	0.423	1.271	0.328	0	0	0	0	0
11/18/2023@12:40:00.000 AM	0.623	6.243	8.061	0.495	1.166	0.367	0	0	0	0	0
11/18/2023@12:50:00.000 AM	0.518	6.324	8.196	0.651	1.491	0.359	0	0	0	0	0
11/18/2023@01:00:00.000 AM	0.581	6.387	8.418	0.96	1.677	0.338	0	0	0	0	0
11/18/2023@01:10:00.000 AM	1.231	7.845	8.182	3.016	1.357	0.432	0.397	0.314	0	0	0
11/18/2023@01:20:00.000 AM	0.609	7.202	7.872	1.697	1.322	0.557	0	0	0	0	0
11/18/2023@01:30:00.000 AM	0.623	6.458	7.798	1.15	1.261	0.581	0	0	0	0	0
11/18/2023@01:40:00.000 AM	0.67	6.067	8.421	1.366	1.504	0.757	0.419	0.303	0	0	0
11/18/2023@01:50:00.000 AM	0.728	6.357	7.197	0.398	1.543	0.698	0	0	0	0	0
11/18/2023@02:00:00.000 AM	0.534	6.3	7.298	0.57	1.406	0.414	0	0	0	0	0
11/18/2023@02:10:00.000 AM	0.95	6.12	8.082	0.795	1.471	0.425	0	0	0	0	0

11/18/2023@02:20:00.000 AM	1.075	6.088	8.327	1.058	1.432	0.632	0	0	0	0	0
11/18/2023@02:30:00.000 AM	0.978	5.34	8.757	0.681	1.52	0.579	0	0	0	0	0
11/18/2023@02:40:00.000 AM	0.764	6.016	7.3	0.394	1.513	0	0	0	0	0	0
11/18/2023@02:50:00.000 AM	0.845	5.498	8.289	0.534	1.473	0.395	0	0	0	0	0
11/18/2023@03:00:00.000 AM	1.034	5.48	8.147	0.926	1.4	0.502	0	0	0	0	0
11/18/2023@03:10:00.000 AM	0.869	5.052	8.306	0.794	1.487	0.495	0	0	0	0	0
11/18/2023@03:20:00.000 AM	1.025	5.275	7.811	0.788	1.408	0.608	0	0	0	0	0
11/18/2023@03:30:00.000 AM	1.017	5.015	8.359	0.709	1.272	0.349	0	0	0	0	0
11/18/2023@03:40:00.000 AM	1.017	5.478	9.483	3.021	0.497	1.183	1.225	0.335	0	0	0
11/18/2023@03:50:00.000 AM	0.806	4.931	9.309	1.132	1.808	0.604	0	0	0	0	0
11/18/2023@04:00:00.000 AM	1.242	5.059	9.378	0.852	1.727	0.624	0	0	0	0	0
11/18/2023@04:10:00.000 AM	1.089	4.896	9.039	0.933	1.588	0.34	0	0	0	0	0
11/18/2023@04:20:00.000 AM	0.982	3.853	10.463	0.948	1.614	0.574	0	0	0	0	0
11/18/2023@04:30:00.000 AM	1.141	3.905	9.981	0.842	1.521	0.416	0	0	0	0	0
11/18/2023@04:40:00.000 AM	0.989	4.089	9.316	0.662	1.624	0.391	0	0	0	0	0
11/18/2023@04:50:00.000 AM	1.3	3.937	8.384	0.662	1.387	0.462	0	0	0	0	0

11/18/2023@05:00:00.000 AM	1.092	4.302	8.639	0.643	1.728	0.527	0	0	0	0	0
11/18/2023@05:10:00.000 AM	1.042	4.158	8.371	0.64	1.337	0.95	0	0	0	0	0
11/18/2023@05:20:00.000 AM	1.188	3.674	8.959	1.133	1.466	0.391	0	0	0	0	0
11/18/2023@05:30:00.000 AM	1.129	3.681	9.264	1.085	1.333	0.717	0	0	0	0	0
11/18/2023@05:40:00.000 AM	0.944	3.895	9.343	1.654	1.438	0.654	0	0	0	0	0
11/18/2023@05:50:00.000 AM	0.863	3.929	10.297	1.583	1.281	0.931	0.31	0	0	0	0
11/18/2023@06:00:00.000 AM	0.997	4.076	8.449	0.95	1.756	0.505	0	0	0	0	0
11/18/2023@06:10:00.000 AM	0.946	4.172	8.954	1.522	1.284	0.629	0	0	0	0	0
11/18/2023@06:20:00.000 AM	1.14	4.348	8.576	1.512	1.015	0.68	0.345	0	0	0	0
11/18/2023@06:30:00.000 AM	0.688	3.712	9.411	1.282	1.648	0.476	0	0	0	0	0
11/18/2023@06:40:00.000 AM	1.149	3.709	8.99	0.964	1.412	0.48	0	0	0	0	0
11/18/2023@06:50:00.000 AM	1.318	4.078	8.64	1.008	1.449	0.585	0	0	0	0	0
11/18/2023@07:00:00.000 AM	1.361	3.906	8.712	1.249	1.515	0.611	0	0	0	0	0
11/18/2023@07:10:00.000 AM	1.271	4.018	9.983	1.347	1.684	0.398	0	0	0	0	0
11/18/2023@07:20:00.000 AM	1.21	4.82	9.455	1.448	1.657	0.514	0	0	0	0	0
11/18/2023@07:30:00.000 AM	1.151	4.312	10.204	1.983	1.942	0.685	0	0	0	0	0

11/18/2023@07:40:00.000 AM	1.147	4.595	9.69	2.193	1.133	0.588	0	0	0	0	0
11/18/2023@07:50:00.000 AM	0.957	4.226	9.381	0.874	1.814	0.505	0	0	0	0	0
11/18/2023@08:00:00.000 AM	0.876	4.787	8.428	1.086	1.722	0.39	0	0	0	0	0
11/18/2023@08:10:00.000 AM	1.114	5.095	8.543	1.093	1.946	0.348	0	0	0	0	0
11/18/2023@08:20:00.000 AM	1.077	4.8	7.935	0.914	1.65	0	0	0	0	0	0
11/18/2023@08:30:00.000 AM	1.193	5.142	7.731	0.926	1.417	0.461	0	0	0	0	0
11/18/2023@08:40:00.000 AM	1.174	5.147	7.774	1.052	1.562	0.403	0	0	0	0	0
11/18/2023@08:50:00.000 AM	0.953	5.332	7.862	0.916	1.259	0.449	0	0	0	0	0
11/18/2023@09:00:00.000 AM	0.816	6.256	6.353	0.761	1.123	0.308	0	0	0	0	0
11/18/2023@09:10:00.000 AM	0.545	5.82	7.822	1.542	1.191	0.803	0.301	0	0	0	0
11/18/2023@09:20:00.000 AM	0.745	5.615	8.908	0.741	1.551	0	0	0	0	0	0
11/18/2023@09:30:00.000 AM	0.835	5.542	9.827	0.861	1.492	0.888	0	0	0	0	0
11/18/2023@09:40:00.000 AM	0.603	6.095	10.815	2.196	1.119	0.655	1.026	1.153	0	0	0
11/18/2023@09:50:00.000 AM	0.714	5.759	10.821	1.318	1.588	0.417	0.612	0.489	0	0	0
11/18/2023@10:00:00.000 AM	0.584	6.109	9.099	1.232	1.587	0.328	0	0	0	0	0
11/18/2023@10:10:00.000 AM	0.703	5.966	9.07	0.415	1.22	0	0	0	0	0	0

11/18/2023@10:20:00.000 AM	0.621	5.531	9.88	1.002	1.552	0	0	0	0	0	0
11/18/2023@10:30:00.000 AM	0.574	6.591	8.97	0.627	1.681	0	0	0	0	0	0
11/18/2023@10:40:00.000 AM	0.446	6.148	9.46	0.541	1.786	0.377	0	0	0	0	0
11/18/2023@10:50:00.000 AM	0.487	6.509	9.296	0.543	1.544	0.358	0.329	0	0	0	0
11/18/2023@11:00:00.000 AM	0.75	6.496	9.044	0.684	1.443	0.37	0.543	0	0	0	0
11/18/2023@11:10:00.000 AM	0.411	6.432	8.844	0.768	1.727	0.39	0.446	0	0	0	0
11/18/2023@11:20:00.000 AM	0.635	6.733	8.837	0.524	1.381	0	0	0	0	0	0
11/18/2023@11:30:00.000 AM	0.703	6.515	9.235	0.389	1.534	0	0	0	0	0	0
11/18/2023@11:40:00.000 AM	0.666	6.424	9.011	0	1.458	0	0	0	0	0	0
11/18/2023@11:50:00.000 AM	0.58	6.443	9.267	0.328	1.785	0	0	0	0	0	0
11/18/2023@12:00:00.000 PM	0.374	6.352	9.285	0.677	1.479	0.392	0.374	0	0.307	0	0
11/18/2023@12:10:00.000 PM	0.659	6.567	8.18	0.838	1.608	0.663	0.355	0	0	0	0
11/18/2023@12:20:00.000 PM	0.614	6.182	9.496	0.962	1.688	0.511	0	0	0	0	0
11/18/2023@12:30:00.000 PM	0.618	6.006	10.074	0.615	1.767	0	0	0	0	0	0
11/18/2023@12:40:00.000 PM	0.708	6.358	9.617	0.726	1.576	0.558	0	0	0	0	0
11/18/2023@12:50:00.000 PM	0.697	6.399	9.112	0.67	1.576	0.466	0	0	0	0	0

11/18/2023@01:00:00.000 PM	0.616	6.313	9.352	0.482	1.524	0	0	0	0	0	0
11/18/2023@01:10:00.000 PM	0.513	6.338	9.711	0.687	1.613	0.323	0	0	0	0	0
11/18/2023@01:20:00.000 PM	0.398	6.068	10.178	0.947	1.505	0	0	0	0	0	0
11/18/2023@01:30:00.000 PM	0.774	6.224	8.798	0.53	1.509	0.35	0	0	0	0	0
11/18/2023@01:40:00.000 PM	0.733	6.164	9.106	0.809	1.439	0.479	0	0	0	0	0
11/18/2023@01:50:00.000 PM	0.838	5.799	9.444	0.508	1.511	0	0	0	0	0	0
11/18/2023@02:00:00.000 PM	0.743	5.985	8.478	0.365	1.489	0.309	0	0	0	0	0
11/18/2023@02:10:00.000 PM	0	6.108	9.311	2.383	1.767	0.388	0.416	0.38	0	0	0
11/18/2023@02:20:00.000 PM	0.735	7.122	8.422	0.807	0.876	0.68	1.758	0	0.315	0	0
11/18/2023@02:30:00.000 PM	0.665	6.438	10.588	2.009	1.52	0.545	1.177	0.728	0	0	0
11/18/2023@02:40:00.000 PM	0.863	5.627	10.194	0.516	1.213	0	0.315	0.349	0	0	0
11/18/2023@02:50:00.000 PM	0.69	5.906	9.254	0.358	1.427	0	0	0	0	0	0
11/18/2023@03:00:00.000 PM	0.622	6.368	8.702	0	1.283	0	0	0	0	0	0
11/18/2023@03:10:00.000 PM	0	7.142	8.046	1.455	1.937	0	0	0.3	0	0	0
11/18/2023@03:20:00.000 PM	0.696	6.492	7.694	0.301	1.497	0	0	0	0	0	0
11/18/2023@03:30:00.000 PM	0.466	6.173	9.251	0.501	1.735	0	0	0	0	0	0

11/18/2023@03:40:00.000 PM	0.58	5.702	8.892	0.385	1.38	0	0	0	0	0	0
11/18/2023@03:50:00.000 PM	0.513	6.214	8.22	0	1.455	0	0	0	0	0	0
11/18/2023@04:00:00.000 PM	0.397	6.415	8.654	2.038	1.073	0	0.459	0	0.307	0	0
11/18/2023@04:10:00.000 PM	0.892	5.396	9.536	0	1.282	0.462	0	0	0	0	0
11/18/2023@04:20:00.000 PM	0.527	6.025	9.372	0.47	1.472	0	0	0	0	0	0
11/18/2023@04:30:00.000 PM	0.829	5.945	9.47	0.556	1.645	0.941	0.452	0	0	0	0
11/18/2023@04:40:00.000 PM	0.694	6.917	8.087	0.608	1.395	0.668	0	0	0	0	0
11/18/2023@04:50:00.000 PM	0.691	6.39	8.79	0.521	1.491	0.509	0	0	0	0	0
11/18/2023@05:00:00.000 PM	0.697	5.793	9.915	0.857	1.512	0.4	0	0	0	0	0
11/18/2023@05:10:00.000 PM	0.312	5.95	10.39	1.789	1.452	0.348	0	0	0	0	0
11/18/2023@05:20:00.000 PM	0.648	6.669	8.602	0.395	1.208	0	0.306	0.367	0	0	0
11/18/2023@05:30:00.000 PM	0.683	6.666	8.549	1.256	1.607	0.372	0.36	0	0	0	0
11/18/2023@05:40:00.000 PM	0.739	5.837	9.304	0	1.674	0	0	0	0	0	0
11/18/2023@05:50:00.000 PM	0.872	5.783	10.047	0.535	1.797	0	0	0	0	0	0
11/18/2023@06:00:00.000 PM	0.621	5.81	10.027	1.293	1.665	0	0.593	0	0	0	0
11/18/2023@06:10:00.000 PM	0.58	6.926	8.907	2.69	1.391	0	0.411	0	0	0	0

11/18/2023@06:20:00.000 PM	0.92	5.893	9.46	0.739	1.658	0.457	0.304	0	0	0	0
11/18/2023@06:30:00.000 PM	0.926	6.115	9.438	0.55	1.95	0.373	0	0	0	0	0
11/18/2023@06:40:00.000 PM	0.623	5.967	9.481	0	1.821	0	0.301	0	0	0	0
11/18/2023@06:50:00.000 PM	0.565	6.1	8.967	0	1.823	0	0	0	0	0	0
11/18/2023@07:00:00.000 PM	0.611	6.153	8.896	0.504	2.059	0.347	0	0	0	0	0
11/18/2023@07:10:00.000 PM	0.791	6.327	8.953	0.422	1.978	0	0	0.37	0.306	0	0
11/18/2023@07:20:00.000 PM	0.723	7.218	7.932	1.284	2.275	0.371	0.498	0	0.303	0.328	0
11/18/2023@07:30:00.000 PM	0.797	5.854	10.005	0.468	2.12	0.358	0.307	0	0	0	0
11/18/2023@07:40:00.000 PM	0.622	5.519	9.937	0.437	2.144	0	0	0	0	0	0
11/18/2023@07:50:00.000 PM	0.444	6.757	8.064	0	2.266	0.623	0	0	0	0	0
11/18/2023@08:00:00.000 PM	0.621	6.804	8.342	0.565	2.392	0.621	0	0	0	0	0
11/18/2023@08:10:00.000 PM	0.464	6.077	9.273	1.11	2.37	0.803	0	0	0	0	0
11/18/2023@08:20:00.000 PM	0.578	6.044	9.984	2.051	1.805	0.852	0.451	0.343	0	0	0
11/18/2023@08:30:00.000 PM	0.503	6.528	8.714	1.315	1.984	0	0	0	0	0	0
11/18/2023@08:40:00.000 PM	0.973	5.92	9.462	0.767	2.132	0	0	0	0	0	0
11/18/2023@08:50:00.000 PM	0.535	6.608	9.091	1.835	1.852	0	0	0	0	0	0

11/18/2023@09:00:00.000 PM	0.552	6.608	8.769	0.458	2.181	0.473	0	0	0	0	0
11/18/2023@09:10:00.000 PM	0.703	7.229	8.118	0.394	2.13	0.803	0	0	0	0	0
11/18/2023@09:20:00.000 PM	0.841	5.739	10.365	0.697	2.03	0	0	0.408	0.342	0	0
11/18/2023@09:30:00.000 PM	1.041	6.031	9.851	0.611	1.862	0	0	0	0	0	0
11/18/2023@09:40:00.000 PM	0.996	6.428	8.763	0.502	2.165	0	0.478	0	0	0	0
11/18/2023@09:50:00.000 PM	0.799	6.665	7.662	0.401	2.14	0.951	0.351	0	0	0	0
11/18/2023@10:00:00.000 PM	0.734	6.229	9.452	0.659	1.961	0.38	0	0	0	0	0
11/18/2023@10:10:00.000 PM	0.457	6.767	7.714	1.278	1.819	0.353	0	0	0	0	0
11/18/2023@10:20:00.000 PM	0.61	6.732	8.514	0.668	1.562	0	0	0	0	0	0
11/18/2023@10:30:00.000 PM	0.517	7.441	6.745	1.493	1.204	0	0	0	0	0	0
11/18/2023@10:40:00.000 PM	0.349	7.215	6.845	0.592	1.605	0	0	0	0	0	0
11/18/2023@10:50:00.000 PM	0.662	6.681	7.948	0.896	1.743	0.369	0	0	0	0	0
11/18/2023@11:00:00.000 PM	0.625	7.06	7.012	0.681	1.34	0.338	0	0	0	0	0
11/18/2023@11:10:00.000 PM	1.449	6.844	7.09	0.607	1.446	0	0	0	0	0	0
11/18/2023@11:20:00.000 PM	0.541	7.438	6.256	0.471	1.59	0.358	0	0	0	0	0
11/18/2023@11:30:00.000 PM	0.494	6.955	7.048	1.648	1.065	0.419	0	0	0	0	0

11/18/2023@11:40:00.000 PM	0.813	7.138	7.003	1.538	1.021	0	0	0	0	0	0
11/18/2023@11:50:00.000 PM	0.863	6.618	7.691	0.81	1.339	0	0	0	0	0	0
11/19/2023@12:00:00.000 AM	0.451	7.401	6.855	0.817	1.298	0	0	0	0	0	0
11/19/2023@12:10:00.000 AM	0.611	7.19	6.826	0.441	1.392	0	0	0	0	0	0
11/19/2023@12:20:00.000 AM	0.594	7.417	5.884	0	1.366	0	0	0	0	0	0
11/19/2023@12:30:00.000 AM	0.389	7.111	6.468	0.301	1.521	0	0	0	0	0	0
11/19/2023@12:40:00.000 AM	0.613	6.434	7.353	0.505	1.53	0	0	0	0	0	0
11/19/2023@12:50:00.000 AM	0.605	6.387	7.824	0.693	1.699	0	0	0	0	0	0
11/19/2023@01:00:00.000 AM	0.793	6.598	7.47	0.629	1.83	0.311	0	0	0	0	0
11/19/2023@01:10:00.000 AM	0.67	6.247	7.616	0.667	1.623	0	0	0	0	0	0
11/19/2023@01:20:00.000 AM	0.603	7.126	6.165	0.64	1.445	0	0	0	0	0	0
11/19/2023@01:30:00.000 AM	0.675	7.106	6.722	0.605	1.544	0	0	0	0	0	0
11/19/2023@01:40:00.000 AM	0.708	6.802	6.884	0.61	1.557	0	0	0	0	0	0
11/19/2023@01:50:00.000 AM	0.638	6.355	7.852	0.777	1.507	0	0	0	0	0	0
11/19/2023@02:00:00.000 AM	0.662	6.201	7.704	0.704	1.627	0.405	0	0	0	0	0
11/19/2023@02:10:00.000 AM	0.602	6.335	6.793	0.545	1.323	0	0	0	0	0	0

11/19/2023@02:20:00.000 AM	0.614	6.307	7.031	0.331	1.263	0	0	0	0	0	0
11/19/2023@02:30:00.000 AM	0.493	6.803	6.503	0.496	1.4	0	0	0	0	0	0
11/19/2023@02:40:00.000 AM	0.64	6.622	6.284	0.425	1.35	0	0	0	0	0	0
11/19/2023@02:50:00.000 AM	0.698	5.75	6.858	0.371	1.35	0	0	0	0	0	0
11/19/2023@03:00:00.000 AM	0.763	5.925	6.689	0.402	1.153	0	0	0	0	0	0
11/19/2023@03:10:00.000 AM	0.719	5.85	6.722	0.56	1.123	0	0	0	0	0	0
11/19/2023@03:20:00.000 AM	0.977	5.645	7.319	0.684	1.393	0	0	0	0	0	0
11/19/2023@03:30:00.000 AM	0.816	6.491	7.234	0.538	1.572	0	0	0	0	0	0
11/19/2023@03:40:00.000 AM	0.823	6.027	7.497	0.601	1.379	0	0	0	0	0	0
11/19/2023@03:50:00.000 AM	0.931	6.235	7.091	0.842	1.501	0.699	0.341	0	0	0	0
11/19/2023@04:00:00.000 AM	0.635	6.41	7.801	0.694	1.609	0.308	0	0	0	0	0
11/19/2023@04:10:00.000 AM	0.742	5.684	8.097	0.663	1.386	0	0	0	0	0	0
11/19/2023@04:20:00.000 AM	1.15	5.831	7.944	0.904	1.405	0	0	0	0	0	0
11/19/2023@04:30:00.000 AM	0.865	5.34	7.388	0.668	1.405	0.395	0	0	0	0	0
11/19/2023@04:40:00.000 AM	0.836	6.15	6.152	0.533	1.253	0	0	0	0	0	0
11/19/2023@04:50:00.000 AM	0.92	6.373	5.884	0.511	1.394	0	0	0	0	0	0

11/19/2023@05:00:00.000 AM	1.234	5.351	7.051	0.612	1.416	0	0	0	0	0	0
11/19/2023@05:10:00.000 AM	0.901	5.607	6.893	0.56	1.186	0	0	0	0	0	0
11/19/2023@05:20:00.000 AM	1.017	5.596	7.658	1.85	0.648	0.698	0.421	0.701	0	0	0
11/19/2023@05:30:00.000 AM	0.635	5.676	7.277	0.987	1.231	0	0	0	0	0	0
11/19/2023@05:40:00.000 AM	0.874	5.409	6.381	0.573	1.113	0.452	0	0	0	0	0
11/19/2023@05:50:00.000 AM	0.63	5.684	6.691	0.614	1.416	0	0	0	0	0	0
11/19/2023@06:00:00.000 AM	0.603	5.537	6.879	0.481	1.049	0.332	0	0	0	0	0
11/19/2023@06:10:00.000 AM	1.054	5.421	7.075	0.58	1.298	0	0	0	0	0	0
11/19/2023@06:20:00.000 AM	0.676	6.588	6.034	1.057	1.019	0	0	0	0	0	0
11/19/2023@06:30:00.000 AM	0.812	6.292	6.361	0.63	0.856	0	0.462	0.35	0	0	0
11/19/2023@06:40:00.000 AM	1.326	5.97	6.187	0.489	1.178	0	0	0	0	0	0
11/19/2023@06:50:00.000 AM	0.88	5.859	6.108	0.347	1.186	0	0	0	0	0	0
11/19/2023@07:00:00.000 AM	1.447	5.544	6.957	1.064	1.456	0.515	0	0	0	0	0
11/19/2023@07:10:00.000 AM	1.301	6.249	6.328	0.78	1.14	0.501	0	0	0	0	0
11/19/2023@07:20:00.000 AM	1.162	5.633	6.751	0.552	1.722	0.338	0.41	0	0	0	0
11/19/2023@07:30:00.000 AM	0.966	5.813	6.353	0.958	0.866	0	0	0	0	0	0

11/19/2023@07:40:00.000 AM	0.774	5.863	6.546	1.118	1.542	0	0	0	0	0	0
11/19/2023@07:50:00.000 AM	0.35	6.494	5.785	1.637	1.006	0	0	0.384	0	0	0
11/19/2023@08:00:00.000 AM	0.764	5.996	6.066	0.525	1.348	0	0	0	0	0	0
11/19/2023@08:10:00.000 AM	0.622	6.149	5.968	0.844	1.371	0	0	0	0	0	0
11/19/2023@08:20:00.000 AM	0.837	5.925	6.194	0.679	1.437	0	0	0	0	0	0
11/19/2023@08:30:00.000 AM	0.934	5.504	7.073	1.057	0.846	0.684	0.463	0	0	0	0
11/19/2023@08:40:00.000 AM	1.008	5.914	7.089	1.412	0.943	0.541	0.344	0.331	0	0	0
11/19/2023@08:50:00.000 AM	0.722	6.253	7.284	1.691	1.223	0	0.367	0.363	0	0	0
11/19/2023@09:00:00.000 AM	0.819	6.223	6.708	0.444	1.116	0.476	0	0	0	0	0
11/19/2023@09:10:00.000 AM	0.694	6.229	6.738	2.015	1.26	0.344	0	0	0	0	0
11/19/2023@09:20:00.000 AM	0.824	5.981	7.526	1.557	1.352	0	0.309	0	0.432	0	0
11/19/2023@09:30:00.000 AM	0.873	5.563	8.163	1.647	1.375	0	0	0.344	0.444	0	0
11/19/2023@09:40:00.000 AM	0.836	6.067	6.903	0.671	1.648	0.623	0	0	0	0	0
11/19/2023@09:50:00.000 AM	0.979	5.865	6.718	0.376	1.354	0.512	0	0	0	0	0
11/19/2023@10:00:00.000 AM	0.654	6.83	5.772	0	1.457	0.671	0	0	0	0	0
11/19/2023@10:10:00.000 AM	0.851	5.677	7.191	0.6	1.465	0.508	0	0	0	0	0

11/19/2023@10:20:00.000 AM	0.972	5.677	7.524	0.578	1.316	0.465	0	0	0	0	0
11/19/2023@10:30:00.000 AM	0.799	6.028	7.006	0.569	1.282	0.399	0	0	0	0	0
11/19/2023@10:40:00.000 AM	0.619	6.807	6.228	1.002	1.397	0.363	0	0	0	0	0
11/19/2023@10:50:00.000 AM	0.53	6.042	7.46	1.923	0.942	0.462	0	0	0.456	0	0
11/19/2023@11:00:00.000 AM	0.391	6.602	7.119	2.325	0.983	0.752	0.481	0	0	0	0
11/19/2023@11:10:00.000 AM	0.816	6.864	6.013	0	1.207	0.897	0.563	0	0	0	0
11/19/2023@11:20:00.000 AM	0.807	7.149	6.116	0.883	1.406	1.092	0	0.386	0	0	0
11/19/2023@11:30:00.000 AM	0.804	7.002	6.013	0.345	1.246	0.871	0.324	0	0	0	0
11/19/2023@11:40:00.000 AM	0.666	6.673	6.221	0.429	1.433	0.804	0	0.413	0	0	0
11/19/2023@11:50:00.000 AM	0.84	6.533	6.682	0.874	1.304	0.843	0	0	0	0	0
11/19/2023@12:00:00.000 PM	0.703	6.386	6.925	0.55	1.329	0.716	0.35	0	0	0	0
11/19/2023@12:10:00.000 PM	0.88	6.861	6.129	0.629	1.549	1.011	0	0	0	0	0
11/19/2023@12:20:00.000 PM	0.641	6.66	6.179	0.677	1.545	0.915	0	0	0	0	0
11/19/2023@12:30:00.000 PM	0.615	6.299	7.116	0.755	1.409	0.703	0	0.336	0	0	0
11/19/2023@12:40:00.000 PM	0.753	6.307	7.634	0.873	1.578	1.255	0	0	0	0	0
11/19/2023@12:50:00.000 PM	0.73	6.006	7.514	0.63	1.293	0.407	0	0.373	0	0	0

11/19/2023@01:00:00.000 PM	0.573	6.57	6.788	0.583	1.469	0.635	0	0.32	0	0	0
11/19/2023@01:10:00.000 PM	0.712	6.193	7.774	0.81	1.532	0.663	0	0	0	0	0
11/19/2023@01:20:00.000 PM	0.647	6.139	7.902	1.066	1.229	0.501	0	0	0	0	0
11/19/2023@01:30:00.000 PM	0.846	6.064	8.114	0.902	1.445	0.412	0	0	0	0	0
11/19/2023@01:40:00.000 PM	0.575	6.212	7.985	0.683	1.459	0.64	0	0.304	0	0	0
11/19/2023@01:50:00.000 PM	0.84	6.364	7.854	0.389	1.494	0.393	0.355	0.337	0	0	0
11/19/2023@02:00:00.000 PM	0.684	6.508	7.505	0.661	1.71	0.502	0.328	0	0	0	0

Comparație Ipotețică a Armonicelor Curentului Electric între Faze

Scenariul A: Sistem Trifazat Echilibrat cu Armonice Mici

1. Descriere Generală

Sistemul este trifazat și echilibrat, cu sarcini liniare care generează un nivel scăzut de armonice. Echipamentele utilizate sunt de înaltă calitate și nu contribuie la distorsiuni semnificative ale curentului.

2. Distribuția Armonicelor

Armonicile sunt distribuite uniform între cele trei faze. Nu există dezechilibre notabile și componentele armonice de frecvență superioară sunt minime.

3. Efecte Asupra Sistemului

Echipamentele funcționează eficient, fără probleme majore legate de încălzire sau pierderi de energie.

Calitatea energiei electrice este bună și sistemul operează stabil, fără fluctuații semnificative.

4. Monitorizare și Măsuri

Monitorizarea periodică a armonicelor arată rezultate acceptabile.

Analizatoarele nu detectează probleme semnificative cu armonicile.

Scenariul B: Sistem Trifazat cu Sarcini Nelineare și Armonice Ridicate

1. Descriere Generală

Sistemul trifazat este afectat de sarcini nelineare, precum convertoare de putere și lămpi fluorescente cu balast electronic, care generează un nivel ridicat de armonice.

2. Distribuția Armonicelor

Armonicile sunt distribuite inegal între faze. Frecvențele de ordin superior sunt predominante într-o fază, generând dezechilibre notabile între fazele sistemului.

3. Efecte Asupra Sistemului

Echipamentele pot suferi de încălzire excesivă din cauza curentului armonic, ceea ce poate scădea durata lor de viață și eficiența generală a sistemului.

Se pot observa pierderi de energie și posibile probleme de stabilitate în rețea din cauza interferențelor electromagnetice.

4. Monitorizare și Măsuri

Monitorizarea frecventă indică niveluri ridicate de armonice și dezechilibre între faze.

Analizatoarele de armonice semnalează necesitatea implementării de măsuri corective pentru a reduce impactul distorsiunilor.

timestamp	I2 HD 3	I2 HD 5	I2 HD 7	I2 HD 9	I2 HD 11	I2 HD 13	I2 HD 15	I2 HD 17
11/12/2023@03:20:00.000 PM	0	7.65	7.49	0	1.108	0.52	0	0
11/12/2023@03:30:00.000 PM	0.41	7.782	7.625	0.397	1.333	0.953	0	0
11/12/2023@03:40:00.000 PM	0.576	7.474	8.583	0	1.081	0.449	0.462	0
11/12/2023@03:50:00.000 PM	0.496	7.237	8.359	0	1.199	0.525	0	0
11/12/2023@04:00:00.000 PM	0.308	7.677	7.309	0.555	1.444	0.359	0	0

11/12/2023@04:10:00.000 PM	0.325	7.51	7.75	0	1.321	0.332	0.33	0
11/12/2023@04:20:00.000 PM	0.41	7.644	7.351	0.32	1.354	0.303	0	0
11/12/2023@04:30:00.000 PM	0.399	7.653	7.136	0.429	1.21	0.351	0	0
11/12/2023@04:40:00.000 PM	0.307	7.455	7.136	0.399	1.064	0	0.401	0
11/12/2023@04:50:00.000 PM	0.327	6.832	7.758	0.422	1.271	0.404	0	0
11/12/2023@05:00:00.000 PM	0.328	7.208	7.119	0.663	1.238	0.418	0	0
11/12/2023@05:10:00.000 PM	0.44	7.314	6.388	0.416	1.039	0.402	0	0
11/12/2023@05:20:00.000 PM	0.439	7.526	6.556	0.628	0.905	0	0	0
11/12/2023@05:30:00.000 PM	0.511	7.026	7.539	0.514	0.83	0	0	0
11/12/2023@05:40:00.000 PM	0.379	7.087	7.467	0.316	1.245	0.32	0	0
11/12/2023@05:50:00.000 PM	0.306	7.527	6.956	0.346	1.332	0	0	0
11/12/2023@06:00:00.000 PM	0	7.298	5.898	0.436	1.414	0	0	0
11/12/2023@06:10:00.000 PM	0	6.879	5.813	0.488	1.201	0	0	0
11/12/2023@06:20:00.000 PM	0.399	6.688	6.539	0.339	1.187	0	0	0
11/12/2023@06:30:00.000 PM	0.366	6.438	6.578	0.412	1.281	0.316	0	0
11/12/2023@06:40:00.000 PM	0.414	6.35	6.375	0.482	1.284	0.491	0	0

11/12/2023@06:50:00.000 PM	0.345	7.442	5.498	0.437	1.097	0.368	0	0
11/12/2023@07:00:00.000 PM	0	7.403	5.617	0.451	1.304	0.309	0	0
11/12/2023@07:10:00.000 PM	0	7.45	5.794	0.39	1.154	0.463	0	0
11/12/2023@07:20:00.000 PM	0	7.688	5.906	0.441	1.327	0.472	0	0
11/12/2023@07:30:00.000 PM	0.355	8.164	5.065	0.4	1.343	0.369	0	0
11/12/2023@07:40:00.000 PM	0	8.176	5.405	0.704	1.454	0.547	0	0
11/12/2023@07:50:00.000 PM	0	8.257	5.184	0.383	1.14	0	0	0
11/12/2023@08:00:00.000 PM	0	8.214	6.037	0.562	1.256	0.356	0	0
11/12/2023@08:10:00.000 PM	0.933	7.572	4.82	0.469	1.7	0	0	0
11/12/2023@08:20:00.000 PM	0.4	8.355	4.89	0.706	1.268	0	0	0
11/12/2023@08:30:00.000 PM	0.401	8.24	5.487	0	1.127	0	0	0
11/12/2023@08:40:00.000 PM	0.363	7.523	6.393	0	1.691	0.359	0	0
11/12/2023@08:50:00.000 PM	0.611	7.226	5.762	0.599	1.334	0.414	0	0
11/12/2023@09:00:00.000 PM	0	7.886	5.767	0.49	0.706	0.946	0	0
11/12/2023@09:10:00.000 PM	0.402	7.611	5.741	0.514	0.817	0.689	0	0
11/12/2023@09:20:00.000 PM	0.342	7.742	6.259	0	0.686	0.605	0	0

11/12/2023@09:30:00.000 PM	0.537	7.163	6.125	0.362	1.36	0.521	0	0
11/12/2023@09:40:00.000 PM	0.561	6.98	5.844	0.562	1.551	0.537	0	0
11/12/2023@09:50:00.000 PM	0	7.183	6.132	0.817	1.04	0	0	0
11/12/2023@10:00:00.000 PM	0	7.213	6.363	0.485	1.177	0	0.327	0
11/12/2023@10:10:00.000 PM	0	7.07	6.313	0.514	0.962	0	0	0
11/12/2023@10:20:00.000 PM	0	6.904	6.892	0.538	0.902	0	0	0
11/12/2023@10:30:00.000 PM	0.456	6.303	6.633	0.736	0.828	0.354	0	0
11/12/2023@10:40:00.000 PM	0	6.858	6.915	0.588	0.885	0	0	0
11/12/2023@10:50:00.000 PM	0	6.436	6.393	0.629	1.202	0.337	0	0
11/12/2023@11:00:00.000 PM	0	6.149	6.684	0.521	1.189	0	0	0
11/12/2023@11:10:00.000 PM	0	6.561	6.987	0.347	1.002	0.306	0	0
11/12/2023@11:20:00.000 PM	0	6.339	7.806	0.456	1.145	0.636	0	0
11/12/2023@11:30:00.000 PM	0	6.139	7.546	0.662	1.212	0.389	0	0
11/12/2023@11:40:00.000 PM	0	6.028	7.437	0.603	1.087	0.445	0	0
11/12/2023@11:50:00.000 PM	0.39	6.918	6.874	0	0.605	0	0.376	0
11/13/2023@12:00:00.000 AM	0.482	6.197	6.375	0.507	1.107	0	0	0

11/13/2023@12:10:00.000 AM	0.519	6.286	6.754	0.52	0.837	0.439	0	0
11/13/2023@12:20:00.000 AM	0	6.698	6.859	0	1.014	0.423	0	0
11/13/2023@12:30:00.000 AM	0	6.539	6.522	0	1.155	0	0	0
11/13/2023@12:40:00.000 AM	0.469	6.835	5.801	0.696	0.987	0.579	0	0
11/13/2023@12:50:00.000 AM	0	6.477	6.748	0.315	0.982	0.763	0	0
11/13/2023@01:00:00.000 AM	0.433	5.932	8.159	0.73	1.283	0.742	0	0
11/13/2023@01:10:00.000 AM	0	6.126	7.904	0.356	0.829	0.378	0	0
11/13/2023@01:20:00.000 AM	0.45	5.995	6.894	0	1.569	0	0	0
11/13/2023@01:30:00.000 AM	0.393	5.954	5.766	0	1.174	0.397	0	0
11/13/2023@01:40:00.000 AM	0	6.084	6.634	0.35	0.679	0	0	0
11/13/2023@01:50:00.000 AM	0.347	5.577	7.275	0	0.467	0.414	0	0
11/13/2023@02:00:00.000 AM	0.307	5.244	7.4	0	0.719	0.898	0	0
11/13/2023@02:10:00.000 AM	0	4.815	7.707	0.445	1.069	0.527	0	0
11/13/2023@02:20:00.000 AM	0	5.663	7.15	0.365	1.066	0.482	0	0
11/13/2023@02:30:00.000 AM	0	6.27	6.716	0.486	1.203	0.549	0	0
11/13/2023@02:40:00.000 AM	0	6.183	6.919	0	0.916	0.429	0.445	0

11/13/2023@02:50:00.000 AM	0	5.335	7.204	0.583	1.114	0.53	0	0
11/13/2023@03:00:00.000 AM	0	5.448	7.295	0.428	0.91	0.529	0	0
11/13/2023@03:10:00.000 AM	0.401	5.463	7.533	0.34	1.154	0.93	0	0
11/13/2023@03:20:00.000 AM	0	6.044	6.849	0.573	0.853	0.411	0	0
11/13/2023@03:30:00.000 AM	0	5.097	7.491	0	1.035	0.648	0	0
11/13/2023@03:40:00.000 AM	0.406	5.657	7.926	0	0.734	1.009	0	0
11/13/2023@03:50:00.000 AM	0	5.949	6.901	0.302	0.937	0.405	0	0
11/13/2023@04:00:00.000 AM	0	6.405	6.597	0.363	0.936	0	0	0
11/13/2023@04:10:00.000 AM	0	5.892	7.57	0.474	1.012	0.533	0	0
11/13/2023@04:20:00.000 AM	0.456	5.754	7.909	0.43	0.839	0.558	0	0
11/13/2023@04:30:00.000 AM	0.384	5.512	8.184	0.382	0.786	0.571	0	0
11/13/2023@04:40:00.000 AM	0.398	5.619	7.775	0.445	1.005	0.528	0	0
11/13/2023@04:50:00.000 AM	0.346	6.11	7.205	0.395	1.082	0.307	0	0
11/13/2023@05:00:00.000 AM	0.504	4.315	4.698	0	1.4	0.734	0	0
11/13/2023@05:10:00.000 AM	0	6.074	7.591	0	1.132	0.366	0	0
11/13/2023@05:20:00.000 AM	0.412	5.103	7.722	0	0.828	0.597	0	0

11/13/2023@05:30:00.000 AM	0.464	5.405	7.482	0	0.843	0.956	0	0
11/13/2023@05:40:00.000 AM	0	5.995	7.202	0	1.089	0.459	0	0
11/13/2023@05:50:00.000 AM	0.321	5.693	7.239	0.36	0.772	0.732	0	0
11/13/2023@06:00:00.000 AM	0	5.48	7.034	0	1.173	0.589	0	0
11/13/2023@06:10:00.000 AM	0.307	5.674	6.413	0.466	1.057	0	0	0
11/13/2023@06:20:00.000 AM	0	6.099	6.819	0	0.703	0.302	0.368	0
11/13/2023@06:30:00.000 AM	0	6.005	7.068	0	0.785	0.722	0	0
11/13/2023@06:40:00.000 AM	0.3	5.664	8.126	0.349	0.858	0.837	0	0
11/13/2023@06:50:00.000 AM	0	5.744	7.844	0	1.005	0.653	0	0
11/13/2023@07:00:00.000 AM	0.391	5.633	8.335	0.379	1.056	0.681	0	0
11/13/2023@07:10:00.000 AM	0	6.044	6.134	0.629	1.206	0	0	0
11/13/2023@07:20:00.000 AM	0.36	6.004	6.865	0	1.365	0	0	0
11/13/2023@07:30:00.000 AM	0	5.648	7.055	0.489	1.164	0	0	0
11/13/2023@07:40:00.000 AM	0	5.113	8.152	0	1.014	0.618	0	0
11/13/2023@07:50:00.000 AM	0.456	5.394	7.676	0.712	1.235	0.461	0	0
11/13/2023@08:00:00.000 AM	0	5.687	7.848	0.598	1.213	0.76	0	0

11/13/2023@08:10:00.000 AM	0	5.559	7.331	0.438	1.169	0.392	0	0
11/13/2023@08:20:00.000 AM	0	5.668	7.759	0.464	1.322	0.429	0	0
11/13/2023@08:30:00.000 AM	0	5.501	7.5	0.536	1.382	0.538	0	0
11/13/2023@08:40:00.000 AM	0	6.182	8.207	0.465	1.308	0.428	0	0
11/13/2023@08:50:00.000 AM	0	5.09	8.764	0.363	1.099	0.7	0	0
11/13/2023@09:00:00.000 AM	0	4.816	8.96	0.532	1.45	0.577	0	0
11/13/2023@09:10:00.000 AM	0.63	5.735	7.762	0	1.454	0.422	0	0
11/13/2023@09:20:00.000 AM	0.409	6.121	7.948	0.575	1.691	0.351	0	0
11/13/2023@09:30:00.000 AM	0	4.873	9.253	0.421	1.844	0	0	0
11/13/2023@09:40:00.000 AM	0.469	4.06	11.038	0.586	1.849	0	0	0
11/13/2023@09:50:00.000 AM	0	4.424	11.527	0.483	1.832	0	0	0
11/13/2023@10:00:00.000 AM	0.772	4.426	11.415	0.362	2.108	0	0	0
11/13/2023@10:10:00.000 AM	0.918	5.877	9.246	0.426	1.729	0.304	0	0
11/13/2023@10:20:00.000 AM	0.54	5.368	10.172	0	1.727	0	0	0
11/13/2023@10:30:00.000 AM	0.327	5.676	9.458	0	1.724	0	0	0
11/13/2023@10:40:00.000 AM	0.353	5.786	10.183	0	1.793	0	0	0

11/13/2023@10:50:00.000 AM	0.366	5.507	9.08	0	1.581	0	0	0
11/13/2023@11:00:00.000 AM	0.35	5.072	8.889	0	1.662	0	0	0
11/13/2023@11:10:00.000 AM	0.302	5.344	8.418	0.308	1.66	0	0	0
11/13/2023@11:20:00.000 AM	0.504	5.726	7.563	0.356	2.064	0	0	0
11/13/2023@11:30:00.000 AM	0	5.147	9.623	0.305	1.731	0	0	0
11/13/2023@11:40:00.000 AM	0	5.384	8.655	0.377	1.69	0	0	0
11/13/2023@11:50:00.000 AM	0	5.332	8.513	0	1.567	0	0	0
11/13/2023@12:00:00.000 PM	0.398	5.269	8.434	0	1.793	0	0	0
11/13/2023@12:10:00.000 PM	0.422	6.117	7.534	0	1.465	0.462	0	0
11/13/2023@12:20:00.000 PM	0.538	5.904	8.002	0	1.753	0.426	0	0
11/13/2023@12:30:00.000 PM	0.874	5.424	7.617	0	1.688	0	0	0
11/13/2023@12:40:00.000 PM	0.94	6.019	8.934	0	2.176	0	0	0
11/13/2023@12:50:00.000 PM	0.428	6.032	9.747	0	1.924	0	0	0
11/13/2023@01:00:00.000 PM	0.69	5.862	9.902	0.32	1.974	0	0	0
11/13/2023@01:10:00.000 PM	0.375	5.756	9.916	0	2.212	0	0	0
11/13/2023@01:20:00.000 PM	0.431	5.519	8.327	0	1.933	0.338	0	0

11/13/2023@01:30:00.000 PM	0	4.313	9.924	0	2.101	0	0	0
11/13/2023@01:40:00.000 PM	0	4.656	9.599	0	2.006	0	0	0
11/13/2023@01:50:00.000 PM	0	4.739	9.908	0	1.936	0	0	0
11/13/2023@02:00:00.000 PM	0	4.501	9.983	0.383	1.937	0	0	0
11/13/2023@02:10:00.000 PM	0	4.845	9.452	0.356	1.982	0	0	0
11/13/2023@02:20:00.000 PM	0.417	5.196	9.431	0	2.084	0	0	0
11/13/2023@02:30:00.000 PM	0.35	5.452	9.103	0.347	1.914	0	0	0
11/13/2023@02:40:00.000 PM	0	4.551	10.247	0.406	2.083	0	0	0
11/13/2023@02:50:00.000 PM	0.476	6.375	8.218	0.361	1.88	0.497	0	0
11/13/2023@03:00:00.000 PM	0.499	6.14	8.48	0.401	1.916	0.456	0	0
11/13/2023@03:10:00.000 PM	0.933	5.41	9.219	0.438	2.422	0	0	0
11/13/2023@03:20:00.000 PM	0.44	4.935	10.061	0.459	1.866	0.303	0	0
11/13/2023@03:30:00.000 PM	0.494	5.743	9.312	0	1.812	0.587	0	0
11/13/2023@03:40:00.000 PM	0.623	5.877	8.329	0.409	1.955	0.753	0	0
11/13/2023@03:50:00.000 PM	0.422	5.139	10.07	0	2.019	0.435	0	0
11/13/2023@04:00:00.000 PM	0.792	4.781	9.675	0.338	1.931	0	0	0

11/13/2023@04:10:00.000 PM	0.611	5.99	8.999	0	1.971	0.34	0	0
11/13/2023@04:20:00.000 PM	0.499	6.109	8.694	0	1.734	0.337	0	0
11/13/2023@04:30:00.000 PM	0.338	5.554	9.864	0	1.763	0	0	0
11/13/2023@04:40:00.000 PM	0.515	5.809	9.689	0.363	2.114	0	0	0
11/13/2023@04:50:00.000 PM	0.608	6.36	8.271	0	2.004	0.394	0	0
11/13/2023@05:00:00.000 PM	0.575	5.443	8.324	0.514	1.756	0.49	0	0
11/13/2023@05:10:00.000 PM	0.746	6.182	8.322	0.638	1.729	0.365	0	0
11/13/2023@05:20:00.000 PM	0.641	6.272	8.205	0.33	1.94	0.383	0	0
11/13/2023@05:30:00.000 PM	0.664	6.256	8.104	0.554	1.248	0.373	0	0
11/13/2023@05:40:00.000 PM	0.618	6.457	7.927	0	1.684	0.414	0	0
11/13/2023@05:50:00.000 PM	0.838	6.59	8.121	0.483	1.811	0	0	0
11/13/2023@06:00:00.000 PM	0.653	6.575	8.14	0.556	1.913	0	0	0
11/13/2023@06:10:00.000 PM	0.968	6.714	7.536	0.345	2.449	0.374	0	0
11/13/2023@06:20:00.000 PM	0.726	5.811	9.017	0.437	2.063	0	0	0
11/13/2023@06:30:00.000 PM	0.603	5.095	9.642	0.639	2.103	0	0	0
11/13/2023@06:40:00.000 PM	0.765	5.411	8.719	0.534	1.812	0	0	0

11/13/2023@06:50:00.000 PM	0.862	6.068	7.903	0.516	2.03	0.344	0	0
11/13/2023@07:00:00.000 PM	1.015	6.832	6.927	0.867	1.515	0.425	0	0
11/13/2023@07:10:00.000 PM	0.712	6.273	8.567	0.903	1.727	0	0	0
11/13/2023@07:20:00.000 PM	0.873	6.33	8.064	0.669	1.524	0	0	0
11/13/2023@07:30:00.000 PM	0.79	6.342	7.791	0.576	1.613	0	0	0
11/13/2023@07:40:00.000 PM	1.013	6.801	6.627	0.441	1.651	0.396	0	0
11/13/2023@07:50:00.000 PM	0.787	6.843	6.644	0.45	1.662	0	0	0
11/13/2023@08:00:00.000 PM	0.411	6.242	7.366	0.595	1.281	0	0	0
11/13/2023@08:10:00.000 PM	0.547	6.207	7.168	0	1.745	0	0	0
11/13/2023@08:20:00.000 PM	0.826	6.658	7.089	0.657	1.323	0	0	0.32
11/13/2023@08:30:00.000 PM	0.837	6.707	7.124	0.685	1.182	0	0	0
11/13/2023@08:40:00.000 PM	0.753	6.712	7.063	0.62	1.413	0.337	0	0
11/13/2023@08:50:00.000 PM	0.792	7.12	6.052	1.022	1.293	0	0	0
11/13/2023@09:00:00.000 PM	0.642	6.612	6.474	0.862	1.323	0.444	0	0
11/13/2023@09:10:00.000 PM	0	6.294	7.153	0.37	1.473	0	0	0
11/13/2023@09:20:00.000 PM	0.456	6.602	6.747	0.61	0.528	1.021	0	0

11/13/2023@09:30:00.000 PM	0.497	6.777	6.705	0.535	0.433	0	0	0
11/13/2023@09:40:00.000 PM	0.532	7.025	6.648	0.371	0.976	0.491	0	0
11/13/2023@09:50:00.000 PM	0.689	7.023	5.873	0.447	1.102	0	0	0
11/13/2023@10:00:00.000 PM	0.626	7.283	5.757	0.436	1.179	0.381	0.358	0
11/13/2023@10:10:00.000 PM	0.827	6.964	4.789	0.544	1.106	0	0	0
11/13/2023@10:20:00.000 PM	0.67	6.831	6.215	0	0.848	0.401	0	0
11/13/2023@10:30:00.000 PM	0.579	6.891	6.174	0.395	0.998	0.417	0	0
11/13/2023@10:40:00.000 PM	0.746	8.833	10.9	0.78	1.152	0.527	0	0.324
11/13/2023@10:50:00.000 PM	0.971	7.91	11.331	0.567	1.098	0.635	0	0
11/13/2023@11:00:00.000 PM	0.659	7.656	11.858	0	1.397	0.783	0	0
11/13/2023@11:10:00.000 PM	0.657	7.005	7.711	0.486	1.149	0.433	0.322	0
11/13/2023@11:20:00.000 PM	0.719	7.075	5.864	0.479	0.726	0.527	0	0
11/13/2023@11:30:00.000 PM	0.444	6.547	6.122	1.129	0.766	0.4	0	0
11/13/2023@11:40:00.000 PM	0.6	5.931	7.28	0.907	0.923	0	0	0
11/13/2023@11:50:00.000 PM	0.901	5.595	6.387	0.522	0.835	0.56	0	0
11/14/2023@12:00:00.000 AM	0.45	5.222	6.235	0	0.631	0.528	0	0

11/14/2023@12:10:00.000 AM	0.623	5.683	4.824	0.379	0.978	0.486	0	0
11/14/2023@12:20:00.000 AM	0.521	5.921	4.836	0.543	0.997	0.413	0	0
11/14/2023@12:30:00.000 AM	0.665	5.192	5.16	0.694	0.972	0.471	0	0
11/14/2023@12:40:00.000 AM	0.488	4.573	6.952	0.429	0.959	0.338	0	0
11/14/2023@12:50:00.000 AM	0.798	4.22	6.669	0.793	0.913	0	0	0
11/14/2023@01:00:00.000 AM	0	4.463	6.66	0.745	0.71	0	0	0
11/14/2023@01:10:00.000 AM	0.442	4.567	5.969	0.629	0.699	0.5	0	0
11/14/2023@01:20:00.000 AM	0.476	4.961	5.606	0.535	0.554	0.687	0	0
11/14/2023@01:30:00.000 AM	0.478	5.195	5.547	0.448	0.385	0.8	0	0
11/14/2023@01:40:00.000 AM	0.417	4.613	6.565	0.636	0.802	0.363	0	0
11/14/2023@01:50:00.000 AM	0.339	4.188	6.676	0.522	0.836	0	0	0
11/14/2023@02:00:00.000 AM	0.636	5.259	7.135	0.78	0.862	0.483	0	0
11/14/2023@02:10:00.000 AM	0.548	5.003	6.111	0.469	0.459	0.768	0.356	0
11/14/2023@02:20:00.000 AM	0.367	5.138	5.789	0.508	0.459	0	0	0
11/14/2023@02:30:00.000 AM	0.433	5.228	6.548	0.754	0.542	0	0	0
11/14/2023@02:40:00.000 AM	0.33	4.585	7.388	0.711	0.849	0.479	0	0

11/14/2023@02:50:00.000 AM	0.392	4.172	6.88	0.659	0.873	0.304	0	0
11/14/2023@03:00:00.000 AM	0.569	4.748	6.356	0.545	0.772	0	0	0
11/14/2023@03:10:00.000 AM	0.405	5.035	6.611	0.764	0.835	0.409	0	0
11/14/2023@03:20:00.000 AM	0.557	5.901	5.983	0.627	0.681	0	0	0
11/14/2023@03:30:00.000 AM	0	4.831	8.02	0.609	0.965	0.38	0	0
11/14/2023@03:40:00.000 AM	0.351	4.473	7.891	0.511	0.876	0.343	0	0
11/14/2023@03:50:00.000 AM	0.425	4.43	7.615	0.673	0.877	0	0	0
11/14/2023@04:00:00.000 AM	0.571	5.214	6.528	0.667	0.406	0	0	0
11/14/2023@04:10:00.000 AM	0.517	4.982	6.604	0.524	0.73	0	0	0
11/14/2023@04:20:00.000 AM	0.516	4.752	6.856	0.66	0.577	0	0	0
11/14/2023@04:30:00.000 AM	0	4.116	7.708	0.748	0.877	0.34	0	0
11/14/2023@04:40:00.000 AM	0.364	5.022	6.856	0.673	0.658	0	0	0
11/14/2023@04:50:00.000 AM	0	4.319	7.771	0.586	0.823	0.346	0	0
11/14/2023@05:00:00.000 AM	0.563	4.295	7.243	0.603	0.67	0	0	0
11/14/2023@05:10:00.000 AM	0.473	4.537	7.038	0.492	0.762	0	0	0
11/14/2023@05:20:00.000 AM	0.385	4.524	7.061	0.659	0.578	0	0	0

11/14/2023@05:30:00.000 AM	0.456	3.887	7.325	0.474	0.68	0.428	0	0
11/14/2023@05:40:00.000 AM	0.354	3.609	7.669	0.617	0.67	0.456	0	0
11/14/2023@05:50:00.000 AM	0.683	4.641	7.273	0.75	0.795	0	0	0
11/14/2023@06:00:00.000 AM	0.43	3.927	7.77	0.517	0.912	0.408	0	0
11/14/2023@06:10:00.000 AM	0	4.663	6.991	0.487	0.778	0.358	0	0
11/14/2023@06:20:00.000 AM	0.787	5.077	6.229	0.638	0.81	0	0	0
11/14/2023@06:30:00.000 AM	0.394	4.355	7.235	0.621	0.714	0.349	0	0
11/14/2023@06:40:00.000 AM	0.747	4.353	7.577	0.627	0.759	0.5	0	0
11/14/2023@06:50:00.000 AM	1.234	5.228	5.997	0.611	0.762	0	0	0
11/14/2023@07:00:00.000 AM	0.643	4.764	6.968	0.709	0.778	0.304	0	0.348
11/14/2023@07:10:00.000 AM	0.582	4.947	6.841	0.603	0.984	0.384	0	0
11/14/2023@07:20:00.000 AM	0.642	5.221	7.347	0.569	0.818	0	0	0.311
11/14/2023@07:30:00.000 AM	0.741	4.366	7.641	0.93	0.999	0.363	0	0
11/14/2023@07:40:00.000 AM	0.534	5.356	6.371	0.429	0.842	0.348	0	0
11/14/2023@07:50:00.000 AM	0.758	6.215	5.612	0.904	0.884	0	0	0
11/14/2023@08:00:00.000 AM	0.684	6.258	5.742	0.77	0.509	0.358	0	0

11/14/2023@08:10:00.000 AM	0	4.907	7.309	0	0.659	0.4	0	0
11/14/2023@08:20:00.000 AM	0.628	5.603	5.882	0.531	1.012	0	0	0
11/14/2023@08:30:00.000 AM	0.508	6.251	4.847	0.614	0.775	0	0	0
11/14/2023@08:40:00.000 AM	0.476	6.297	5.471	0	0.939	0	0	0
11/14/2023@08:50:00.000 AM	0.457	6.278	5.265	0	0.718	0	0	0
11/14/2023@09:00:00.000 AM	0.818	4.204	3.992	0	1.123	0.765	0	0.364
11/14/2023@09:10:00.000 AM	0.39	5.243	8.36	0.31	1.171	0.601	0	0
11/14/2023@09:20:00.000 AM	0.595	6.472	6.338	0	0.821	1.064	0.329	0
11/14/2023@09:30:00.000 AM	0.739	5.884	6.879	0.657	1.042	0.499	0	0
11/14/2023@09:40:00.000 AM	0.532	5.451	7.44	0.379	1.044	0.603	0.419	0
11/14/2023@09:50:00.000 AM	0.748	4.921	9.719	0.525	1.784	0	0	0
11/14/2023@10:00:00.000 AM	0.474	5.37	8.686	0.528	1.665	0.393	0	0
11/14/2023@10:10:00.000 AM	0.427	5.775	8.447	0.596	1.794	0.589	0	0
11/14/2023@10:20:00.000 AM	0.725	6.632	7.248	0.407	1.844	0.752	0	0
11/14/2023@10:30:00.000 AM	0.626	6.886	7.103	0	1.799	0.753	0	0
11/14/2023@10:40:00.000 AM	0.458	5.799	9.253	0.375	1.67	0.436	0	0

11/14/2023@10:50:00.000 AM	0.381	5.574	8.899	0.34	1.794	0.378	0	0
11/14/2023@11:00:00.000 AM	0.565	6.068	7.345	0	1.912	0.648	0	0
11/14/2023@11:10:00.000 AM	0.502	6.87	7.202	0.421	1.485	0.815	0	0
11/14/2023@11:20:00.000 AM	0.809	6.466	6.678	0.331	1.766	0.72	0	0
11/14/2023@11:30:00.000 AM	0.698	5.737	8.343	0	2.023	0.491	0	0
11/14/2023@11:40:00.000 AM	0.408	6.009	8.773	0.387	1.603	0.517	0	0
11/14/2023@11:50:00.000 AM	0.395	5.88	8.198	0.354	1.47	0.691	0	0
11/14/2023@12:00:00.000 PM	0.448	6.375	7.442	0	1.775	0.715	0	0
11/14/2023@12:10:00.000 PM	0.498	6.397	7.908	0.526	1.499	0.617	0	0
11/14/2023@12:20:00.000 PM	0.46	6.315	8.437	0.415	1.628	0.581	0	0
11/14/2023@12:30:00.000 PM	0.478	6.121	9.108	0.421	1.854	0.654	0	0
11/14/2023@12:40:00.000 PM	0.436	6.299	9.096	0.457	1.809	0.643	0	0
11/14/2023@12:50:00.000 PM	0.513	6.621	8.382	0.392	1.743	0.73	0	0
11/14/2023@01:00:00.000 PM	0.719	5.98	8.308	0	1.686	0.628	0	0
11/14/2023@01:10:00.000 PM	0.346	5.288	9.217	0.534	1.78	0.367	0	0
11/14/2023@01:20:00.000 PM	0.521	5.634	9.034	0	1.877	0.452	0	0

11/14/2023@01:30:00.000 PM	0.437	5.729	8.311	0.35	1.631	0.541	0	0
11/14/2023@01:40:00.000 PM	0.373	5.998	8.172	0.405	1.455	0.525	0	0
11/14/2023@01:50:00.000 PM	0.377	6.068	8.469	0.388	1.598	0.652	0	0
11/14/2023@02:00:00.000 PM	0.5	5.961	9.111	0.657	1.662	0.515	0	0
11/14/2023@02:10:00.000 PM	0.571	6.195	8.523	0	1.541	0.522	0	0
11/14/2023@02:20:00.000 PM	0.514	6.804	7.349	0.33	1.444	0.858	0	0
11/14/2023@02:30:00.000 PM	0.701	6.865	6.9	0	1.479	0.813	0	0
11/14/2023@02:40:00.000 PM	0.674	6.727	7.526	0.361	1.51	0.878	0	0
11/14/2023@02:50:00.000 PM	0.998	6.001	9.476	0.395	1.774	0.542	0	0
11/14/2023@03:00:00.000 PM	0.409	5.926	9.971	0.649	1.884	0.41	0	0
11/14/2023@03:10:00.000 PM	0.5	6.044	8.736	0	1.918	0.584	0	0
11/14/2023@03:20:00.000 PM	0.501	6.531	7.571	0	1.615	0.756	0	0
11/14/2023@03:30:00.000 PM	0.62	6.712	7.469	0	1.632	0.842	0	0
11/14/2023@03:40:00.000 PM	0.496	6.299	7.96	0.397	1.822	0.618	0	0
11/14/2023@03:50:00.000 PM	0.509	6.119	7.845	0	1.956	0.686	0	0
11/14/2023@04:00:00.000 PM	0.742	6.683	7.316	0	1.842	0.729	0	0

11/14/2023@04:10:00.000 PM	0.439	6.757	7.256	0	1.597	0.835	0	0
11/14/2023@04:20:00.000 PM	0.555	6.87	7.442	0	1.557	0.74	0	0
11/14/2023@04:30:00.000 PM	0.754	5.896	8.239	0.397	1.624	0.463	0	0
11/14/2023@04:40:00.000 PM	0.338	6.006	8.235	0	1.565	0.497	0	0
11/14/2023@04:50:00.000 PM	0.477	6.074	8.074	0	1.848	0.588	0	0
11/14/2023@05:00:00.000 PM	0.656	6.779	6.461	0	1.648	0.844	0	0
11/14/2023@05:10:00.000 PM	0.651	6.143	6.938	0	1.658	0.541	0	0
11/14/2023@05:20:00.000 PM	0.446	5.84	7.491	0	1.742	0.529	0	0
11/14/2023@05:30:00.000 PM	0.571	6.48	6.656	0.391	1.387	0.408	0	0
11/14/2023@05:40:00.000 PM	0.52	6.823	6.787	0.366	1.356	0.581	0	0
11/14/2023@05:50:00.000 PM	0.524	6.228	6.741	0.329	0.812	0.742	0	0
11/14/2023@06:00:00.000 PM	0.605	6.055	7.293	0.855	1.143	0.391	0	0
11/14/2023@06:10:00.000 PM	0.432	5.303	7.195	0.686	1.128	0.502	0	0
11/14/2023@06:20:00.000 PM	0.32	5.609	7.363	0.584	0.817	0.402	0.317	0
11/14/2023@06:30:00.000 PM	0.517	5.892	7.058	0.57	0.979	0.495	0	0
11/14/2023@06:40:00.000 PM	0.585	6.59	5.966	0.459	0.809	0.476	0	0

11/14/2023@06:50:00.000 PM	0.504	6.069	6.941	0.515	0.785	0.537	0	0
11/14/2023@07:00:00.000 PM	0.655	6.011	7.403	0.478	1.009	0	0	0.307
11/14/2023@07:10:00.000 PM	0.332	5.535	7.721	0.495	0.994	0	0	0
11/14/2023@07:20:00.000 PM	0.602	6.375	6.533	0.39	0.849	0.586	0	0
11/14/2023@07:30:00.000 PM	0.475	7.063	5.454	0.415	1.052	0.491	0	0
11/14/2023@07:40:00.000 PM	0.444	6.622	6.099	0	1.257	0.499	0	0
11/14/2023@07:50:00.000 PM	0	5.987	7.407	0	1.178	0	0	0
11/14/2023@08:00:00.000 PM	0.513	6.255	7.167	0.337	1.195	0	0.302	0
11/14/2023@08:10:00.000 PM	0.669	7.264	5.117	0.565	1.179	0.332	0	0
11/14/2023@08:20:00.000 PM	0.593	6.895	5.934	0.365	1.075	0.43	0	0
11/14/2023@08:30:00.000 PM	0.504	6.997	5.726	0	0.776	0.749	0	0
11/14/2023@08:40:00.000 PM	0.325	5.909	7.208	0.488	0.984	0.405	0	0
11/14/2023@08:50:00.000 PM	0.661	5.758	7.112	0.573	0.925	0.305	0	0.319
11/14/2023@09:00:00.000 PM	0.367	6.481	6.157	0	1.102	0	0.323	0.329
11/14/2023@09:10:00.000 PM	0.701	6.544	6.545	0.42	0.928	0.307	0	0.342
11/14/2023@09:20:00.000 PM	0.602	6.886	6.236	0	0.903	0.414	0	0

11/14/2023@09:30:00.000 PM	0.559	6.618	6.546	0.52	1.182	0	0	0
11/14/2023@09:40:00.000 PM	0.558	7.017	5.705	0.45	1.13	0	0	0
11/14/2023@09:50:00.000 PM	0.73	6.602	6.756	0	1.178	0	0	0.315
11/14/2023@10:00:00.000 PM	0	6.618	6.768	0.531	1.109	0.384	0	0
11/14/2023@10:10:00.000 PM	0	5.666	8.073	0.383	1.013	0.379	0	0
11/14/2023@10:20:00.000 PM	0	6.118	7.396	0.395	1.15	0.304	0	0
11/14/2023@10:30:00.000 PM	0.315	6.363	6.772	0.573	1.071	0.407	0	0
11/14/2023@10:40:00.000 PM	0.74	6.779	6.143	0.532	1.117	0.539	0	0
11/14/2023@10:50:00.000 PM	0.358	6.296	6.951	0.947	1.476	0.716	0.474	0.371
11/14/2023@11:00:00.000 PM	0.599	5.889	7.291	0.415	1.182	0	0	0
11/14/2023@11:10:00.000 PM	0.304	6.036	7.228	0	0.776	0.419	0	0
11/14/2023@11:20:00.000 PM	0.327	5.674	6.992	0.525	1.079	0.357	0	0
11/14/2023@11:30:00.000 PM	0.324	6.503	5.516	0.339	1.071	0	0	0
11/14/2023@11:40:00.000 PM	0.545	7.368	4.7	0.78	1.286	0	0	0
11/14/2023@11:50:00.000 PM	0.668	6.897	5.052	0.463	1.055	0	0	0
11/15/2023@12:00:00.000 AM	0.451	6.073	6.928	0	1.013	0.38	0	0

11/15/2023@12:10:00.000 AM	0.504	6.358	6.968	0.347	0.773	0.43	0.343	0
11/15/2023@12:20:00.000 AM	0.495	5.748	7.565	0.429	1.037	0	0	0
11/15/2023@12:30:00.000 AM	0	6.647	6.107	0	0.865	0	0	0
11/15/2023@12:40:00.000 AM	0	6.952	5.568	0	0.812	0.396	0	0
11/15/2023@12:50:00.000 AM	0.509	6.388	6.117	0.337	0.996	0	0	0
11/15/2023@01:00:00.000 AM	0.488	5.826	7.032	0.359	1.089	0	0	0
11/15/2023@01:10:00.000 AM	0.353	5.361	7.515	0.499	0.884	0	0	0.324
11/15/2023@01:20:00.000 AM	0.385	5.141	8.145	0.489	0.998	0	0	0
11/15/2023@01:30:00.000 AM	0.52	5.819	7.303	0.356	1.188	0	0	0.361
11/15/2023@01:40:00.000 AM	0.541	6.137	6.557	0.353	1.233	0	0	0
11/15/2023@01:50:00.000 AM	0.607	5.703	7.948	0.365	1.213	0	0	0
11/15/2023@02:00:00.000 AM	0.457	5.343	8.378	0.331	1.105	0	0	0
11/15/2023@02:10:00.000 AM	0.653	5.048	8.985	0.488	1.093	0	0	0
11/15/2023@02:20:00.000 AM	0.358	5.444	8.297	0.409	1.17	0	0	0
11/15/2023@02:30:00.000 AM	0	5.143	8.071	0.375	1.151	0	0	0
11/15/2023@02:40:00.000 AM	0.496	5.334	7.989	0.675	1.223	0	0	0

11/15/2023@02:50:00.000 AM	0.359	4.962	8.099	0	1.04	0.384	0	0
11/15/2023@03:00:00.000 AM	0.603	4.329	8.784	0.423	1.161	0	0	0
11/15/2023@03:10:00.000 AM	0.792	4.508	8.032	0.458	1.151	0.372	0	0
11/15/2023@03:20:00.000 AM	0.386	4.076	9.012	0.326	1.194	0	0	0
11/15/2023@03:30:00.000 AM	0.522	3.574	9.793	0.384	1.17	0	0	0
11/15/2023@03:40:00.000 AM	0.45	4.33	8.64	0	1.004	0	0	0
11/15/2023@03:50:00.000 AM	0.473	4.34	8.416	0	1.163	0.439	0	0
11/15/2023@04:00:00.000 AM	0.617	4.731	8.028	0.422	1.193	0.304	0	0.352
11/15/2023@04:10:00.000 AM	0.33	3.814	9.341	0	1.126	0	0	0
11/15/2023@04:20:00.000 AM	0.406	3.519	10.138	0.397	1.206	0	0	0
11/15/2023@04:30:00.000 AM	0.491	3.03	10.478	0.34	1.244	0	0	0
11/15/2023@04:40:00.000 AM	0.435	3.841	9.242	0.398	1.169	0	0	0
11/15/2023@04:50:00.000 AM	0.563	4.032	8.807	0.528	1.417	0.308	0	0
11/15/2023@05:00:00.000 AM	0.631	4.229	9.025	0	1.562	0.491	0	0.319
11/15/2023@05:10:00.000 AM	0	3.07	10.083	0.791	1.613	0.405	0	0.459
11/15/2023@05:20:00.000 AM	0	2.992	10.202	0	1.243	0	0	0

11/15/2023@05:30:00.000 AM	0.485	3.397	9.812	0.339	1.245	0	0	0
11/15/2023@05:40:00.000 AM	0.419	3.177	9.766	0	1.222	0	0	0
11/15/2023@05:50:00.000 AM	0.369	3.865	8.596	0.586	1.286	0	0	0
11/15/2023@06:00:00.000 AM	0.458	4.429	8.055	0.517	1.409	0	0	0
11/15/2023@06:10:00.000 AM	0.639	4.338	7.876	0.514	1.427	0	0	0.366
11/15/2023@06:20:00.000 AM	0.682	3.867	8.521	0.453	1.546	0	0	0
11/15/2023@06:30:00.000 AM	0.434	3.539	9.445	0	1.13	0.449	0	0
11/15/2023@06:40:00.000 AM	0.443	3.199	9.833	0	1.055	0.409	0.402	0
11/15/2023@06:50:00.000 AM	0	3.268	10.067	0	1.226	0	0	0
11/15/2023@07:00:00.000 AM	0.614	3.802	9.064	0.83	1.539	0.388	0	0
11/15/2023@07:10:00.000 AM	0.607	4.284	8.237	0.552	1.407	0	0	0
11/15/2023@07:20:00.000 AM	0.478	4.477	8.318	0.524	1.174	0.456	0	0
11/15/2023@07:30:00.000 AM	0.695	4.475	8.468	0	1.632	0	0	0.367
11/15/2023@07:40:00.000 AM	0.326	3.945	9.438	0.348	1.278	0	0	0
11/15/2023@07:50:00.000 AM	0	4.125	9.435	0	1.163	0	0	0
11/15/2023@08:00:00.000 AM	0.347	4.627	9.198	0.645	1.313	0	0	0

11/15/2023@08:10:00.000 AM	0.507	5.816	8.686	0	1.325	0	0	0.319
11/15/2023@08:20:00.000 AM	0.936	6.041	7.923	0.427	1.575	0.466	0	0
11/15/2023@08:30:00.000 AM	0	5.042	9.399	0.552	1.526	0.33	0	0.332
11/15/2023@08:40:00.000 AM	0	5.254	8.827	0.402	1.251	0	0	0
11/15/2023@08:50:00.000 AM	0	4.734	9.201	0.821	1.562	0.495	0.413	0.392
11/15/2023@09:00:00.000 AM	0.421	5.313	8.305	0.611	1.267	0	0	0
11/15/2023@09:10:00.000 AM	0.748	5.934	7.81	0.727	1.364	0	0	0
11/15/2023@09:20:00.000 AM	0.314	5.72	8.162	0.464	1.027	0	0	0
11/15/2023@09:30:00.000 AM	0.353	5.783	7.98	0.555	1.192	0	0	0
11/15/2023@09:40:00.000 AM	0.465	5.469	8.791	0.376	1.389	0	0	0
11/15/2023@09:50:00.000 AM	0.492	5.573	7.964	0.621	1.203	0	0	0
11/15/2023@10:00:00.000 AM	1.413	6.36	6.785	0	1.255	0.534	0	0
11/15/2023@10:10:00.000 AM	0.541	6.601	7.515	0.437	1.009	0.389	0	0
11/15/2023@10:20:00.000 AM	0.582	6.731	7.809	0.438	1.228	0.402	0	0
11/15/2023@10:30:00.000 AM	0.61	6.59	8.072	0.647	1.51	0.408	0	0
11/15/2023@10:40:00.000 AM	0.485	7.496	7.103	0.383	1.028	0.752	0	0

11/15/2023@10:50:00.000 AM	0.597	6.978	7.216	0.689	1.362	0.652	0	0
11/15/2023@11:00:00.000 AM	0.673	6.036	7.771	0.579	1.145	0	0	0
11/15/2023@11:10:00.000 AM	0	5.773	8.231	0	1.071	0.372	0	0
11/15/2023@11:20:00.000 AM	0.371	5.976	8.114	0.462	1.223	0.424	0	0
11/15/2023@11:30:00.000 AM	0.612	6.443	7.878	0.324	1.184	0.397	0	0
11/15/2023@11:40:00.000 AM	0.421	6.352	7.6	0.635	1.231	0.534	0	0
11/15/2023@11:50:00.000 AM	0.612	7.063	6.841	0.352	0.949	0.715	0	0
11/15/2023@12:00:00.000 PM	0	6.841	6.54	0.598	1.144	0.825	0	0
11/15/2023@12:10:00.000 PM	0.435	6.376	7.388	0.411	1.18	0.478	0	0
11/15/2023@12:20:00.000 PM	0.617	6.15	6.824	0.371	1.336	0.488	0	0
11/15/2023@12:30:00.000 PM	0.473	6.422	6.847	0	1.177	0.578	0	0
11/15/2023@12:40:00.000 PM	0.627	6.246	6.791	0.323	1.344	0.489	0	0.318
11/15/2023@12:50:00.000 PM	0.449	5.854	7.667	0.359	1.226	0.495	0	0
11/15/2023@01:00:00.000 PM	0.64	5.82	8.267	0.452	1.137	0.378	0	0
11/15/2023@01:10:00.000 PM	0	5.794	8.725	0.487	1.198	0.31	0	0
11/15/2023@01:20:00.000 PM	0.572	6.521	7.536	0	1.2	0.633	0	0

11/15/2023@01:30:00.000 PM	0.378	6.811	7.152	0.375	1.236	0.585	0	0
11/15/2023@01:40:00.000 PM	0.476	6.939	7.031	0	0.986	0.68	0	0
11/15/2023@01:50:00.000 PM	0.4	6.889	7.365	0.358	1.077	0.626	0	0
11/15/2023@02:00:00.000 PM	0.642	6.588	8.233	0.473	1.189	0.439	0	0
11/15/2023@02:10:00.000 PM	0.458	6.483	8.147	0.358	1.223	0.525	0	0
11/15/2023@02:20:00.000 PM	0.711	6.594	6.857	0.703	1.381	0.622	0	0
11/15/2023@02:30:00.000 PM	0.389	7.397	6.782	0.316	0.82	0.839	0	0
11/15/2023@02:40:00.000 PM	0	6.707	8.253	0.472	0.962	0.463	0	0
11/15/2023@02:50:00.000 PM	0.337	6.157	8.855	0.385	1.185	0.421	0	0
11/15/2023@03:00:00.000 PM	0	6.385	8.585	0.394	1.203	0.66	0	0
11/15/2023@03:10:00.000 PM	0.498	7.266	6.964	0	1.091	0.787	0	0
11/15/2023@03:20:00.000 PM	0.411	7.186	6.909	0	1.108	0.734	0	0
11/15/2023@03:30:00.000 PM	0.424	7.06	6.713	0	1.087	0.793	0	0
11/15/2023@03:40:00.000 PM	0.406	6.271	8.123	0	1.227	0.612	0	0
11/15/2023@03:50:00.000 PM	0.394	6.414	8.289	0	1.256	0.459	0	0
11/15/2023@04:00:00.000 PM	0.455	6.703	7.291	0	1.285	0.649	0	0

11/15/2023@04:10:00.000 PM	0	6.53	7.49	0	1.35	0.614	0	0
11/15/2023@04:20:00.000 PM	0.362	6.481	7.463	0.324	1.33	0.659	0	0
11/15/2023@04:30:00.000 PM	0.404	6.533	7.907	0	1.289	0.554	0	0
11/15/2023@04:40:00.000 PM	0.937	7.216	6.709	0.489	1.034	0.767	0	0
11/15/2023@04:50:00.000 PM	0.775	7.189	5.795	0.555	1.383	0.769	0	0
11/15/2023@05:00:00.000 PM	0.596	7.443	6.324	0	1.125	0.809	0	0
11/15/2023@05:10:00.000 PM	0.583	6.98	6.792	0	1.292	0.964	0	0
11/15/2023@05:20:00.000 PM	0	6.567	7.423	0.33	1.124	0.66	0	0
11/15/2023@05:30:00.000 PM	0.38	8.584	13.869	0.382	1.998	0.651	0	0
11/15/2023@05:40:00.000 PM	0.429	5.928	9.261	0.388	1.559	0.408	0	0
11/15/2023@05:50:00.000 PM	0.455	6.181	8.513	0.354	1.434	0.437	0	0
11/15/2023@06:00:00.000 PM	0.515	6.443	9.965	0.372	1.796	0.575	0	0
11/15/2023@06:10:00.000 PM	0.8	6.373	8.956	0.642	1.765	0.531	0	0
11/15/2023@06:20:00.000 PM	0.651	7.226	7.891	0.815	1.576	0.637	0	0
11/15/2023@06:30:00.000 PM	0.777	7.18	7.92	0.402	1.41	0.582	0	0
11/15/2023@06:40:00.000 PM	0.657	6.326	7.827	0.371	1.528	0.632	0	0

11/15/2023@06:50:00.000 PM	0.666	5.812	8.465	0.319	1.517	0.421	0	0
11/15/2023@07:00:00.000 PM	0.595	6.223	7.947	0	1.273	0.489	0	0
11/15/2023@07:10:00.000 PM	0.684	6.369	8.119	0.306	1.289	0.503	0	0
11/15/2023@07:20:00.000 PM	0.778	6.704	7.667	0.306	1.312	0.662	0	0
11/15/2023@07:30:00.000 PM	0.95	7.419	7.673	0.305	1.561	0.896	0	0
11/15/2023@07:40:00.000 PM	0.563	7.395	7.489	0	1.431	1.071	0.319	0
11/15/2023@07:50:00.000 PM	0.454	6.333	9.354	0	1.522	0.492	0	0
11/15/2023@08:00:00.000 PM	0.411	5.924	8.281	0.313	1.573	0	0	0
11/15/2023@08:10:00.000 PM	0.507	5.627	7.57	0.881	1.75	0	0	0
11/15/2023@08:20:00.000 PM	0.575	6.237	8.027	0	1.575	0	0	0
11/15/2023@08:30:00.000 PM	0.531	6.93	6.221	0.612	1.442	0.344	0	0
11/15/2023@08:40:00.000 PM	0.649	6.565	7.149	0.663	1.26	0	0.374	0
11/15/2023@08:50:00.000 PM	0.75	5.89	7.55	0.749	1.159	0.378	0	0
11/15/2023@09:00:00.000 PM	0.698	6.127	7.627	0.537	1.146	0	0	0
11/15/2023@09:10:00.000 PM	0	6.379	7.44	0.447	1.133	0.358	0.343	0
11/15/2023@09:20:00.000 PM	0.838	7.421	6.145	0.744	0.797	1.064	0.346	0

11/15/2023@09:30:00.000 PM	0.738	7.652	6.29	0.433	1.43	0	0	0
11/15/2023@09:40:00.000 PM	0.573	7.004	6.75	0.415	1.575	0	0	0
11/15/2023@09:50:00.000 PM	0.425	6.463	7.885	0	1.279	0	0	0
11/15/2023@10:00:00.000 PM	0.49	6.404	8.028	0.302	1.327	0.439	0	0
11/15/2023@10:10:00.000 PM	0.371	6.404	7.87	0.587	1.27	0.354	0	0
11/15/2023@10:20:00.000 PM	0.536	7.23	6.459	0	1.322	0.462	0	0
11/15/2023@10:30:00.000 PM	0.552	7.314	6.224	0	1.188	0.543	0	0
11/15/2023@10:40:00.000 PM	0.633	6.252	7.27	0.775	1.416	0.33	0	0
11/15/2023@10:50:00.000 PM	0.384	6.239	8.248	0.333	1.304	0	0	0
11/15/2023@11:00:00.000 PM	0.436	6.259	7.96	0.63	1.427	0.452	0.387	0
11/15/2023@11:10:00.000 PM	0.533	6.818	7.356	0.608	1.207	0.464	0	0
11/15/2023@11:20:00.000 PM	0.619	7.382	6.2	0.661	1.216	0.315	0	0
11/15/2023@11:30:00.000 PM	0.462	6.742	7.178	0.519	1.393	0	0	0
11/15/2023@11:40:00.000 PM	0.58	6.086	8.234	0	1.211	0	0	0
11/15/2023@11:50:00.000 PM	0.391	5.334	7.844	0.596	0.563	0.412	0	0
11/16/2023@12:00:00.000 AM	0.355	6.613	6.415	0.413	1.112	0	0	0

11/16/2023@12:10:00.000 AM	0.429	6.761	5.787	0	0.865	0	0	0
11/16/2023@12:20:00.000 AM	0.459	7.31	5.737	0.312	1.336	0	0	0
11/16/2023@12:30:00.000 AM	0	6.139	7.532	0	1.117	0	0	0
11/16/2023@12:40:00.000 AM	0.656	5.562	7.964	0	1.276	0.339	0	0
11/16/2023@12:50:00.000 AM	0.312	5.673	7.925	0	1.073	0.35	0	0
11/16/2023@01:00:00.000 AM	0.533	6.042	7.539	0.44	1.157	0	0	0
11/16/2023@01:10:00.000 AM	0.458	6.935	5.51	0.571	0.882	0	0	0
11/16/2023@01:20:00.000 AM	0.451	6.774	6.471	0.528	0.961	0	0	0
11/16/2023@01:30:00.000 AM	0.504	6.083	7.696	0.599	0.977	0.467	0	0
11/16/2023@01:40:00.000 AM	0.396	5.804	8.092	0.538	1.045	0.373	0	0
11/16/2023@01:50:00.000 AM	0.518	5.554	8.047	0.443	1.007	0.356	0	0
11/16/2023@02:00:00.000 AM	0.488	6.285	7.955	0	1.232	0.396	0	0
11/16/2023@02:10:00.000 AM	0.384	6.411	7.287	0.579	0.937	0	0	0
11/16/2023@02:20:00.000 AM	0.707	5.733	8.109	0.543	0.986	0.405	0	0
11/16/2023@02:30:00.000 AM	0	5.538	8.706	0	1.054	0.329	0.324	0
11/16/2023@02:40:00.000 AM	0	5.376	8.556	0.591	1.295	0.654	0	0

11/16/2023@02:50:00.000 AM	0.421	6.555	6.554	0	1.025	0.398	0	0
11/16/2023@03:00:00.000 AM	0.389	6.176	6.373	0	0.77	0.341	0	0
11/16/2023@03:10:00.000 AM	0.445	5.202	7.674	0.525	0.861	0.474	0	0
11/16/2023@03:20:00.000 AM	0	4.639	7.991	0.318	0.897	0.606	0	0
11/16/2023@03:30:00.000 AM	0.387	4.975	8.501	0.604	0.874	0.572	0	0
11/16/2023@03:40:00.000 AM	0.523	5.665	7.902	0.447	1.095	0.636	0	0
11/16/2023@03:50:00.000 AM	0.486	5.622	7.642	0.736	0.784	0.491	0	0.477
11/16/2023@04:00:00.000 AM	0	5.614	7.705	0.646	0.681	0.337	0	0.425
11/16/2023@04:10:00.000 AM	0.362	5.258	7.848	0.51	0.615	0.4	0	0.3
11/16/2023@04:20:00.000 AM	0.542	4.875	8.491	0.607	0.835	0.627	0	0.346
11/16/2023@04:30:00.000 AM	0.411	5.415	7.962	0.47	0.634	0.555	0	0.341
11/16/2023@04:40:00.000 AM	0.572	5.735	7.64	0.667	0.56	0.351	0	0
11/16/2023@04:50:00.000 AM	0.734	6.17	6.927	0.537	0.704	0	0	0
11/16/2023@05:00:00.000 AM	0.41	6.063	7.228	0	0.56	0	0	0
11/16/2023@05:10:00.000 AM	0.42	5.027	8.652	0	0.42	0.593	0	0
11/16/2023@05:20:00.000 AM	0.346	4.614	7.872	0.376	0.88	0.448	0	0

11/16/2023@05:30:00.000 AM	0.41	5.04	8.093	0.308	0.66	0.341	0	0
11/16/2023@05:40:00.000 AM	0.73	5.636	7.198	0	0.655	0	0	0
11/16/2023@05:50:00.000 AM	0.409	5.99	7.097	0.688	0.772	0.323	0	0
11/16/2023@06:00:00.000 AM	0.393	5.568	7.889	0.575	1.151	0.58	0	0
11/16/2023@06:10:00.000 AM	0	4.825	8.679	0.489	1.095	0.511	0	0
11/16/2023@06:20:00.000 AM	0	5.059	8.435	0.417	0.895	0.487	0	0
11/16/2023@06:30:00.000 AM	0.558	5.789	7.357	0.379	1.106	0.446	0	0
11/16/2023@06:40:00.000 AM	0.602	5.725	6.926	0.646	0.92	0.408	0	0
11/16/2023@06:50:00.000 AM	0.493	5.337	7.679	0.692	0.803	0.57	0.343	0
11/16/2023@07:00:00.000 AM	0.408	5.027	8.445	0.489	0.915	0.445	0	0
11/16/2023@07:10:00.000 AM	0.314	5.278	7.899	0.307	0.81	0.488	0	0
11/16/2023@07:20:00.000 AM	0.306	5.281	7.915	0.558	0.933	0.474	0	0
11/16/2023@07:30:00.000 AM	0.311	5.927	7.296	0.416	0.971	0.451	0	0
11/16/2023@07:40:00.000 AM	0.408	5.38	7.351	0.592	0.739	0	0	0
11/16/2023@07:50:00.000 AM	0.318	5.49	7.385	0.519	0.922	0.325	0	0
11/16/2023@08:00:00.000 AM	0	5.339	7.704	0	0.623	0	0	0

11/16/2023@08:10:00.000 AM	0	6.483	6.546	0.438	0.984	0.326	0	0
11/16/2023@08:20:00.000 AM	0	6.441	6.144	0.385	0.868	0.371	0	0
11/16/2023@08:30:00.000 AM	0.3	6.165	6.125	0.544	0.954	0	0	0
11/16/2023@08:40:00.000 AM	0	5.967	6.39	0.505	0.885	0	0	0
11/16/2023@08:50:00.000 AM	0	5.736	6.944	0.618	0.664	0.49	0	0
11/16/2023@09:00:00.000 AM	0.397	6.089	6.833	0	1.224	0.445	0	0
11/16/2023@09:10:00.000 AM	0.591	6.301	7.49	0.559	1.141	0.469	0	0
11/16/2023@09:20:00.000 AM	0.439	6.187	7.608	0.718	1.069	0.346	0	0
11/16/2023@09:30:00.000 AM	0	6.135	8.333	0.336	0.964	0.47	0	0
11/16/2023@09:40:00.000 AM	0.558	5.549	9.34	0.301	0.971	0.409	0.47	0
11/16/2023@09:50:00.000 AM	0.603	6.083	8.756	0.445	0.312	0.918	0.687	0
11/16/2023@10:00:00.000 AM	0.873	6.692	8.278	0.577	1.373	0.563	0	0
11/16/2023@10:10:00.000 AM	0.873	6.724	7.507	0.439	1.513	0.736	0	0
11/16/2023@10:20:00.000 AM	0.604	6.185	8.132	0.771	1.498	0.582	0	0
11/16/2023@10:30:00.000 AM	0.49	5.875	8.807	0.486	1.337	0.404	0	0
11/16/2023@10:40:00.000 AM	0.726	5.691	9.674	0.445	1.434	0.328	0	0

11/16/2023@10:50:00.000 AM	0.442	6.558	8.309	0.461	1.351	0.534	0	0
11/16/2023@11:00:00.000 AM	0.445	6.687	7.841	0.495	1.467	0.69	0	0
11/16/2023@11:10:00.000 AM	0.615	5.741	8.25	0.422	1.362	0.444	0	0
11/16/2023@11:20:00.000 AM	0.521	6.14	8.29	0.442	1.459	0.46	0	0
11/16/2023@11:30:00.000 AM	0.501	5.774	9.071	0	1.418	0.32	0	0
11/16/2023@11:40:00.000 AM	0.608	6.107	9.313	0.518	1.758	0.527	0	0.328
11/16/2023@11:50:00.000 AM	0.638	6.548	8.643	0.613	1.694	0.558	0	0
11/16/2023@12:00:00.000 PM	0.52	6.504	9.454	0.559	1.594	0.485	0	0
11/16/2023@12:10:00.000 PM	0.547	6.717	8.592	0.429	1.275	0.513	0	0
11/16/2023@12:20:00.000 PM	0.507	6.4	8.01	0	1.67	0.457	0	0
11/16/2023@12:30:00.000 PM	0.444	5.593	8.286	0.59	1.93	0.488	0	0
11/16/2023@12:40:00.000 PM	0.72	5.684	8.328	0	1.679	0.317	0	0
11/16/2023@12:50:00.000 PM	1.192	6.754	7.203	0.473	1.293	0.584	0	0
11/16/2023@01:00:00.000 PM	1.971	6.697	6.81	0.885	1.331	0.636	0	0
11/16/2023@01:10:00.000 PM	0.311	5.813	8.068	0	1.529	0.347	0	0
11/16/2023@01:20:00.000 PM	0.494	5.718	8.633	0.68	1.345	0	0	0

11/16/2023@01:30:00.000 PM	0	5.654	9.587	0.524	1.301	0.377	0	0
11/16/2023@01:40:00.000 PM	0.471	6.319	8.647	0.474	1.205	0.465	0	0
11/16/2023@01:50:00.000 PM	0.609	6.938	7.595	0.402	1.309	0.609	0	0
11/16/2023@02:00:00.000 PM	0.509	6.264	9.11	0.423	1.338	0.466	0	0
11/16/2023@02:10:00.000 PM	0.499	6.118	9.169	0.476	1.445	0	0	0
11/16/2023@02:20:00.000 PM	0	6.366	8.293	0.428	1.496	0.379	0	0
11/16/2023@02:30:00.000 PM	0.312	6.412	8.289	0.345	1.339	0.376	0	0
11/16/2023@02:40:00.000 PM	0.358	6.945	7.17	0.363	1.172	0.602	0	0
11/16/2023@02:50:00.000 PM	0.485	6.754	8.119	0	1.353	0.402	0	0
11/16/2023@03:00:00.000 PM	0.665	6.227	8.241	0	1.215	0.339	0	0
11/16/2023@03:10:00.000 PM	0.502	5.912	8.982	0	1.249	0	0	0
11/16/2023@03:20:00.000 PM	0.453	6.289	7.599	0.5	1.065	0.596	0	0
11/16/2023@03:30:00.000 PM	0.381	6.299	8.262	0.354	1.316	0.537	0	0
11/16/2023@03:40:00.000 PM	0.406	6.066	8.904	0.517	1.092	0.406	0	0
11/16/2023@03:50:00.000 PM	0.491	6.082	8.843	0	1.321	0.414	0	0
11/16/2023@04:00:00.000 PM	0.371	6.871	7.311	0	1.205	0.562	0	0

11/16/2023@04:10:00.000 PM	0.394	6.444	7.731	0	1.257	0.519	0	0
11/16/2023@04:20:00.000 PM	0.49	6.655	7.457	0.349	1.128	0.554	0	0
11/16/2023@04:30:00.000 PM	0.549	6.268	8.502	0.734	1.215	0.533	0	0
11/16/2023@04:40:00.000 PM	0	5.726	9.112	0	1.31	0	0	0
11/16/2023@04:50:00.000 PM	0.318	6.13	8.362	0.339	1.251	0.433	0	0
11/16/2023@05:00:00.000 PM	0.526	5.876	8.021	0.34	1.487	0.444	0	0
11/16/2023@05:10:00.000 PM	0.366	6.241	8.394	0.446	1.134	0.66	0	0
11/16/2023@05:20:00.000 PM	0.401	5.765	9.097	0.628	1.381	0.465	0	0
11/16/2023@05:30:00.000 PM	0	5.778	9.374	0.716	1.374	0.42	0	0
11/16/2023@05:40:00.000 PM	0.487	6.153	8.45	0.709	1.525	0.65	0	0
11/16/2023@05:50:00.000 PM	0.49	6.169	8.537	0.406	1.518	0.58	0	0
11/16/2023@06:00:00.000 PM	0.404	5.936	9.347	0.444	1.536	0.463	0	0
11/16/2023@06:10:00.000 PM	0.48	6.186	8.131	0	1.445	0.49	0	0
11/16/2023@06:20:00.000 PM	0.439	6.407	7.965	0	1.47	0.472	0	0
11/16/2023@06:30:00.000 PM	0.474	6.376	7.594	0	1.297	0.699	0	0
11/16/2023@06:40:00.000 PM	0	6.28	6.879	0	0.913	0.598	0.366	0

11/16/2023@06:50:00.000 PM	0.423	5.774	7.658	0	0.875	0.383	0	0
11/16/2023@07:00:00.000 PM	0.562	5.607	7.784	0	1.028	0	0	0
11/16/2023@07:10:00.000 PM	0.563	6.542	6.971	0	0.864	0.432	0	0
11/16/2023@07:20:00.000 PM	0	6.399	6.787	0.382	0.745	0.591	0	0
11/16/2023@07:30:00.000 PM	0.464	7.204	5.925	0.563	1.018	0.35	0	0
11/16/2023@07:40:00.000 PM	0.443	7.15	6.347	0.436	1.202	0.308	0	0
11/16/2023@07:50:00.000 PM	1.208	9.365	10.89	1.248	5.554	3.672	0.944	0.846
11/16/2023@08:00:00.000 PM	1.498	6.803	7.996	0.586	3.403	1.498	0.411	0.906
11/16/2023@08:10:00.000 PM	1.465	8.262	11.403	1.184	4.489	2.263	0.429	1.023
11/16/2023@08:20:00.000 PM	1.248	8.353	9.836	0.997	4.381	1.745	1.451	0.626
11/16/2023@08:30:00.000 PM	0.965	7.24	6.264	0.755	2.843	2.041	0.349	0.561
11/16/2023@08:40:00.000 PM	0.708	5.815	4.89	0.67	1.713	2.357	1.022	0.374
11/16/2023@08:50:00.000 PM	0.732	6.359	9.603	0.85	1.106	0	0	0
11/16/2023@09:00:00.000 PM	0.624	6.514	8.248	0.393	0.887	0.897	0.408	0
11/16/2023@09:10:00.000 PM	0.557	6.399	7.642	0.561	1.07	0.543	0.315	0
11/16/2023@09:20:00.000 PM	0.72	7.007	8.082	0.847	1.274	0.53	0	0

11/16/2023@09:30:00.000 PM	0	7.063	7.548	0.373	1.309	0	0	0
11/16/2023@09:40:00.000 PM	0.452	7.023	7.395	0.618	1.066	0	0	0
11/16/2023@09:50:00.000 PM	0.366	7.589	7.148	0.508	1.351	0	0	0
11/16/2023@10:00:00.000 PM	0	7.342	7.636	0	1.234	0.438	0	0
11/16/2023@10:10:00.000 PM	0.406	6.166	8.452	0.302	1.41	0	0	0
11/16/2023@10:20:00.000 PM	0.572	6.346	6.869	0.614	1.149	0.309	0	0
11/16/2023@10:30:00.000 PM	0.458	6.654	6.738	0	0.957	0.497	0	0
11/16/2023@10:40:00.000 PM	0.415	6.832	6.06	0.619	0.98	0	0	0
11/16/2023@10:50:00.000 PM	0.354	5.7	7.905	0	1.023	0.564	0.422	0
11/16/2023@11:00:00.000 PM	0.533	6.032	7.362	0.354	1.038	0	0	0
11/16/2023@11:10:00.000 PM	0.308	5.976	7.214	0.515	1.27	0	0	0
11/16/2023@11:20:00.000 PM	0.421	6.851	6.433	0.615	1.367	0	0	0
11/16/2023@11:30:00.000 PM	0.546	6.885	6.522	0.355	1.198	0	0	0
11/16/2023@11:40:00.000 PM	0.622	8.968	11.13	0.651	1.485	0.406	0	0.647
11/16/2023@11:50:00.000 PM	0.792	6.441	7.852	0.603	1.297	0	0.319	0
11/17/2023@12:00:00.000 AM	0.43	7.176	6.533	0	0.865	0	0	0

11/17/2023@12:10:00.000 AM	0.435	7.736	5.941	0	0.945	0	0	0
11/17/2023@12:20:00.000 AM	0.473	7.252	6.224	0.368	0.93	0	0	0
11/17/2023@12:30:00.000 AM	0.533	7.184	6.084	0	0.843	0	0	0
11/17/2023@12:40:00.000 AM	0	6.575	6.773	0.585	0.871	0	0	0
11/17/2023@12:50:00.000 AM	0	7.268	6.394	0	0.899	0	0	0
11/17/2023@01:00:00.000 AM	0.334	6.577	6.098	0	0.793	0	0	0
11/17/2023@01:10:00.000 AM	0	6.495	6.083	0	0.789	0	0	0
11/17/2023@01:20:00.000 AM	0.389	6.587	5.577	0.324	0.77	0.343	0	0
11/17/2023@01:30:00.000 AM	0.308	7.187	5.67	0	0.842	0	0	0
11/17/2023@01:40:00.000 AM	0.451	6.627	5.754	0	0.771	0	0	0
11/17/2023@01:50:00.000 AM	0.313	6.419	6.221	0	0.704	0	0	0
11/17/2023@02:00:00.000 AM	0.332	6.287	6.204	0	0.634	0	0	0
11/17/2023@02:10:00.000 AM	0.348	6.438	6.911	0	0.868	0	0	0
11/17/2023@02:20:00.000 AM	0.312	6.003	7.35	0	0.68	0.344	0	0
11/17/2023@02:30:00.000 AM	0	6.363	7.03	0	0.787	0	0	0
11/17/2023@02:40:00.000 AM	0.59	6.379	6.491	0.41	1.035	0	0	0

11/17/2023@02:50:00.000 AM	0.31	5.573	7.476	0.379	1.05	0.375	0	0
11/17/2023@03:00:00.000 AM	0.829	6.457	6.249	0	0.919	0	0	0
11/17/2023@03:10:00.000 AM	0.424	6.285	6.763	0.308	0.935	0	0	0
11/17/2023@03:20:00.000 AM	0.338	6.189	7.35	0.502	0.887	0	0	0
11/17/2023@03:30:00.000 AM	0.376	6.13	6.898	0	0.724	0	0	0
11/17/2023@03:40:00.000 AM	0.387	5.822	7.002	0.455	0.836	0	0	0
11/17/2023@03:50:00.000 AM	0.302	5.498	6.697	0.397	0.777	0	0	0
11/17/2023@04:00:00.000 AM	0.352	5.083	6.25	0.412	0.989	0.363	0.36	0
11/17/2023@04:10:00.000 AM	0.496	5.393	6.683	0	0.74	0.364	0	0
11/17/2023@04:20:00.000 AM	0	5.627	6.39	0.629	0.556	0.478	0	0
11/17/2023@04:30:00.000 AM	0.352	5.567	6.391	0.331	0.836	0.371	0	0
11/17/2023@04:40:00.000 AM	0.403	4.909	7.319	0.356	0.694	0.48	0	0
11/17/2023@04:50:00.000 AM	0.369	4.857	7.025	0.52	0.817	0.572	0	0
11/17/2023@05:00:00.000 AM	0.428	4.664	7.302	0.503	0.732	0.569	0	0
11/17/2023@05:10:00.000 AM	0.584	5.23	6.51	0.55	0.794	0.427	0	0
11/17/2023@05:20:00.000 AM	0.32	5.468	7.468	0.753	0.847	0.536	0	0

11/17/2023@05:30:00.000 AM	0.437	4.809	8.88	0.5	0.765	0.492	0	0
11/17/2023@05:40:00.000 AM	0.448	5.112	8.18	0.488	0.757	0.531	0	0
11/17/2023@05:50:00.000 AM	0.859	4.95	7.437	0.555	0.902	0.498	0	0
11/17/2023@06:00:00.000 AM	0.544	5.508	7.242	0.399	0.874	0.302	0	0
11/17/2023@06:10:00.000 AM	0.547	5.662	6.718	0.888	0.894	0	0	0
11/17/2023@06:20:00.000 AM	0.355	4.701	7.961	0.745	1.558	0.594	0	0
11/17/2023@06:30:00.000 AM	0	4.619	8.474	0	1.197	0.481	0	0
11/17/2023@06:40:00.000 AM	0.301	4.209	8.441	0.45	1.09	0.584	0	0
11/17/2023@06:50:00.000 AM	0	5.42	6.98	0	0.401	0	0	0
11/17/2023@07:00:00.000 AM	0.582	5.807	6.125	0.494	0.327	0	0	0
11/17/2023@07:10:00.000 AM	0.375	5.234	7.592	0.543	0.843	0.574	0.306	0
11/17/2023@07:20:00.000 AM	0.482	4.947	7.028	0.442	0.618	1.012	0	0
11/17/2023@07:30:00.000 AM	0	4.578	7.217	0.655	0.728	0.702	0	0
11/17/2023@07:40:00.000 AM	0.466	4.992	6.535	0.326	1.094	0.45	0	0
11/17/2023@07:50:00.000 AM	0	6.15	5.479	0.781	0.834	0	0	0
11/17/2023@08:00:00.000 AM	0	5.76	6.706	0.365	0.842	0	0	0

11/17/2023@08:10:00.000 AM	0.416	5.01	6.63	0.389	0.553	0.477	0	0
11/17/2023@08:20:00.000 AM	0.441	5.303	6.295	0.45	0.675	0.441	0	0
11/17/2023@08:30:00.000 AM	0	5.914	6.009	0.313	0.84	0.306	0	0
11/17/2023@08:40:00.000 AM	0	6.523	5.307	0	0.809	0.373	0	0
11/17/2023@08:50:00.000 AM	0	6.463	6.424	0	0.733	0.425	0	0
11/17/2023@09:00:00.000 AM	0.827	5.485	7.089	0.368	1.019	0.547	0	0
11/17/2023@09:10:00.000 AM	0.314	5.902	7.851	0	1.157	0.543	0	0
11/17/2023@09:20:00.000 AM	0.437	6.321	7.056	0.317	0.996	0.446	0	0
11/17/2023@09:30:00.000 AM	0.966	6.132	6.758	0	1.148	0.455	0	0
11/17/2023@09:40:00.000 AM	0.306	6.356	6.727	0	1.013	0	0	0
11/17/2023@09:50:00.000 AM	0.351	5.54	7.606	0.481	1.245	0.434	0	0
11/17/2023@10:00:00.000 AM	0.515	6.871	6.178	0.327	1.277	0	0	0
11/17/2023@10:10:00.000 AM	0.464	7.329	5.26	0.308	1.05	0	0	0
11/17/2023@10:20:00.000 AM	0.54	6.434	8.061	0.561	1.841	0	0	0
11/17/2023@10:30:00.000 AM	0.943	6.468	6.299	0.44	1.929	0.506	0	0
11/17/2023@10:40:00.000 AM	0.674	6.183	7.082	0.335	1.476	0	0	0

11/17/2023@10:50:00.000 AM	0.394	5.592	7.9	0.387	1.495	0	0	0
11/17/2023@11:00:00.000 AM	0.383	5.744	7.547	0	1.418	0	0	0
11/17/2023@11:10:00.000 AM	0.362	5.665	7.638	0.477	1.472	0	0	0
11/17/2023@11:20:00.000 AM	0.397	6.465	6.631	0.372	1.316	0	0	0
11/17/2023@11:30:00.000 AM	0.444	6.278	6.816	0.403	1.35	0.348	0	0
11/17/2023@11:40:00.000 AM	0.365	7.888	8.155	0.498	1.618	0	0	0
11/17/2023@11:50:00.000 AM	0.982	5.763	7.141	0.699	1.728	0.313	0	0
11/17/2023@12:00:00.000 PM	1.168	6.491	6.306	0.694	1.362	0.388	0	0
11/17/2023@12:10:00.000 PM	0.448	6.408	6.605	0.368	1.129	0.317	0	0
11/17/2023@12:20:00.000 PM	0.57	6.69	6.412	0	1.475	0.41	0	0
11/17/2023@12:30:00.000 PM	0.386	6.519	6.822	0.523	1.399	0.331	0	0
11/17/2023@12:40:00.000 PM	0.582	7.133	6.639	0.564	1.401	0.448	0	0
11/17/2023@12:50:00.000 PM	0.354	6.869	7.249	0.312	1.469	0.439	0	0
11/17/2023@01:00:00.000 PM	0.657	6.175	8.793	0.578	1.601	0	0	0
11/17/2023@01:10:00.000 PM	0.447	6.436	8.58	0.367	1.617	0	0	0
11/17/2023@01:20:00.000 PM	0.447	7.157	8.038	0	1.74	0.4	0	0

11/17/2023@01:30:00.000 PM	0.471	7.312	8.875	0.404	1.816	0.436	0	0
11/17/2023@01:40:00.000 PM	0.386	6.967	9.41	0.459	1.958	0	0	0
11/17/2023@01:50:00.000 PM	0.351	7.693	9.148	0	1.804	0	0	0
11/17/2023@02:00:00.000 PM	0.738	6.941	9.408	1.733	2.113	0	0	0.32
11/17/2023@02:10:00.000 PM	0.466	6.612	9.658	0.361	2.046	0	0	0
11/17/2023@02:20:00.000 PM	0.414	7.54	9.47	0.502	1.883	0	0	0
11/17/2023@02:30:00.000 PM	0.443	7.91	9.261	0	1.584	0	0	0
11/17/2023@02:40:00.000 PM	0.483	7.184	8.306	0.66	1.652	0	0	0
11/17/2023@02:50:00.000 PM	0	7.466	8.56	0.602	1.687	0	0	0
11/17/2023@03:00:00.000 PM	0	7.177	8.063	0	1.778	0	0	0
11/17/2023@03:10:00.000 PM	0.754	6.955	6.639	0.409	2.022	0.317	0	0
11/17/2023@03:20:00.000 PM	0.598	7.224	6.864	0.5	1.306	0.385	0	0
11/17/2023@03:30:00.000 PM	0.71	6.771	7.549	0	1.548	0.307	0	0
11/17/2023@03:40:00.000 PM	0.504	6.772	8.207	0.367	2.017	0.41	0	0
11/17/2023@03:50:00.000 PM	0.438	6.453	8.047	0.372	1.855	0.523	0	0
11/17/2023@04:00:00.000 PM	0.378	6.895	7.343	0	1.671	0.689	0	0

11/17/2023@04:10:00.000 PM	0.39	6.93	7.318	0.466	1.236	0.773	0	0
11/17/2023@04:20:00.000 PM	0	7.309	6.532	0	1.435	0.978	0	0
11/17/2023@04:30:00.000 PM	0.363	7.256	7.3	0.541	1.382	1.134	0	0
11/17/2023@04:40:00.000 PM	0	6.93	7.366	0	1.553	0.777	0	0
11/17/2023@04:50:00.000 PM	0.496	6.518	7.868	0.5	1.31	1.283	0.527	0
11/17/2023@05:00:00.000 PM	0	6.767	7.136	0.456	1.619	0.918	0.652	0
11/17/2023@05:10:00.000 PM	0	7.678	5.986	0	1.333	1.071	0	0.398
11/17/2023@05:20:00.000 PM	0	8.31	5.811	0	1.025	1.586	0.394	0
11/17/2023@05:30:00.000 PM	0.329	7.52	6.538	0.501	1.393	0.463	0	0
11/17/2023@05:40:00.000 PM	0	7.336	6.94	0	1.182	0.927	0	0
11/17/2023@05:50:00.000 PM	0.406	8.014	7.194	0.434	1.726	0.964	0	0
11/17/2023@06:00:00.000 PM	0.446	8.208	5.473	0	1.591	1.168	0.345	0
11/17/2023@06:10:00.000 PM	0	8.446	6.213	0	1.586	1.156	0	0
11/17/2023@06:20:00.000 PM	0	8.013	7.051	0	1.278	0.689	0	0
11/17/2023@06:30:00.000 PM	0.401	7.699	6.68	0	1.197	0.778	0	0
11/17/2023@06:40:00.000 PM	0.473	7.894	7.207	0	1.356	0.45	0.535	0

11/17/2023@06:50:00.000 PM	0	7.958	6.101	0	1.323	0.672	0	0.45
11/17/2023@07:00:00.000 PM	0	8.072	6.724	0.512	1.399	0.909	0	0
11/17/2023@07:10:00.000 PM	0	7.679	7.238	0.629	1.478	0.48	0	0
11/17/2023@07:20:00.000 PM	0.427	7.621	7.13	0.369	1.259	0.696	0	0.359
11/17/2023@07:30:00.000 PM	0.362	7.758	6.875	0.765	1.514	0.471	0	0
11/17/2023@07:40:00.000 PM	0.549	7.828	7.253	0.621	1.564	0.986	0	0
11/17/2023@07:50:00.000 PM	0.302	7.997	7.362	0.463	1.702	0.532	0	0
11/17/2023@08:00:00.000 PM	0.333	7.287	8.083	0	1.55	0.301	0	0
11/17/2023@08:10:00.000 PM	0.3	7.447	7.85	0.512	1.4	0.419	0	0
11/17/2023@08:20:00.000 PM	0.416	7.826	7.438	0.417	1.67	0.848	0	0
11/17/2023@08:30:00.000 PM	0.565	8.321	6.674	0.301	1.655	0.863	0	0.312
11/17/2023@08:40:00.000 PM	0.394	8.112	7.326	0.595	1.713	0.904	0	0.316
11/17/2023@08:50:00.000 PM	0	7.827	7.578	0.485	1.58	0.473	0	0
11/17/2023@09:00:00.000 PM	0.345	7.356	8.208	0.494	1.532	0.357	0	0
11/17/2023@09:10:00.000 PM	0.352	6.98	8.619	0.423	1.601	0.534	0	0
11/17/2023@09:20:00.000 PM	0	7.084	8.46	0	1.451	0.318	0	0

11/17/2023@09:30:00.000 PM	0.378	7.434	8.172	0.346	1.58	0.373	0	0.309
11/17/2023@09:40:00.000 PM	0.334	7.579	8.158	0.561	1.775	0.341	0	0
11/17/2023@09:50:00.000 PM	0.559	7.409	8.353	0.43	1.656	0.315	0	0
11/17/2023@10:00:00.000 PM	0	7.331	8.714	0.585	1.468	0	0	0
11/17/2023@10:10:00.000 PM	0.354	6.706	9.386	0.584	1.523	0	0	0
11/17/2023@10:20:00.000 PM	0.401	6.952	8.088	0.349	1.69	0	0	0.319
11/17/2023@10:30:00.000 PM	0.557	7.199	7.722	0.525	1.319	0	0	0
11/17/2023@10:40:00.000 PM	0	6.761	9.037	1.008	1.483	0.338	0	0
11/17/2023@10:50:00.000 PM	0	7.507	8.324	0	1.581	0.666	0.32	0
11/17/2023@11:00:00.000 PM	0.592	6.598	8.876	0.611	1.522	0.342	0	0
11/17/2023@11:10:00.000 PM	0	6.979	7.732	0.647	1.253	0.727	0	0
11/17/2023@11:20:00.000 PM	0.59	6.878	7.769	0.561	1.966	0.418	0	0
11/17/2023@11:30:00.000 PM	0.443	6.892	8.149	0.62	1.529	0.503	0	0.302
11/17/2023@11:40:00.000 PM	0.393	6.947	7.576	0.505	1.246	0	0	0
11/17/2023@11:50:00.000 PM	0.384	7.069	8.2	0	1.318	0	0	0.319
11/18/2023@12:00:00.000 AM	0.34	7.045	7.59	0	0.949	0.31	0	0

11/18/2023@12:10:00.000 AM	0.512	7.523	7.169	0	1.075	0	0	0
11/18/2023@12:20:00.000 AM	0.472	8.323	5.986	0.701	0.892	0	0	0
11/18/2023@12:30:00.000 AM	0	7.802	7.057	0	0.808	0.355	0	0
11/18/2023@12:40:00.000 AM	0	6.585	7.399	0.314	0.699	0.593	0	0
11/18/2023@12:50:00.000 AM	0	6.726	7.345	0.353	0.971	0.392	0	0
11/18/2023@01:00:00.000 AM	0.407	6.685	7.232	0.502	0.732	0.327	0	0
11/18/2023@01:10:00.000 AM	0.874	6.981	5.891	0.337	1.003	0	0	0
11/18/2023@01:20:00.000 AM	0.564	7.106	6.53	0	1.119	0.333	0	0
11/18/2023@01:30:00.000 AM	0.331	6.669	6.563	0	0.97	0	0	0
11/18/2023@01:40:00.000 AM	0	6.158	7.124	0	1.117	0.302	0	0
11/18/2023@01:50:00.000 AM	0.425	6.752	6.585	0.402	0.663	0.43	0	0
11/18/2023@02:00:00.000 AM	0	6.711	6.437	0.497	0.832	0.311	0	0
11/18/2023@02:10:00.000 AM	0.341	6.193	7.33	0.691	0.928	0.445	0	0
11/18/2023@02:20:00.000 AM	0.618	6.231	7.297	0.417	0.799	0.54	0	0
11/18/2023@02:30:00.000 AM	0.545	5.7	7.89	0.504	0.764	0.581	0	0
11/18/2023@02:40:00.000 AM	0.89	6.214	6.402	0.566	0.775	0	0	0

11/18/2023@02:50:00.000 AM	0.707	5.794	7.394	0.605	0.936	0.365	0	0
11/18/2023@03:00:00.000 AM	0	5.554	7.387	0.502	0.703	0.423	0	0
11/18/2023@03:10:00.000 AM	0.54	5.246	7.575	0.503	0.779	0.417	0	0
11/18/2023@03:20:00.000 AM	0.48	5.515	7.214	0	0.468	0.466	0	0
11/18/2023@03:30:00.000 AM	0.544	5.457	7.516	0.541	0.459	0.323	0	0
11/18/2023@03:40:00.000 AM	0.735	4.91	7.249	0	0.989	0	0	0
11/18/2023@03:50:00.000 AM	0.443	4.815	8.031	0.561	1.011	0.462	0	0
11/18/2023@04:00:00.000 AM	0.507	5.25	8.424	0.439	0.68	0.346	0	0
11/18/2023@04:10:00.000 AM	0.392	4.975	8.053	0.493	0.765	0	0	0
11/18/2023@04:20:00.000 AM	0	3.96	9.099	0.537	0.84	0.541	0	0
11/18/2023@04:30:00.000 AM	0	4.044	8.625	0.461	0.782	0.364	0	0
11/18/2023@04:40:00.000 AM	0	4.343	8.099	0	0.927	0	0	0
11/18/2023@04:50:00.000 AM	0.416	4.237	7.493	0	0.864	0.398	0	0
11/18/2023@05:00:00.000 AM	0	4.555	7.88	0.34	0.846	0.32	0	0
11/18/2023@05:10:00.000 AM	0.305	4.474	7.562	0.341	0.578	0.573	0	0
11/18/2023@05:20:00.000 AM	0.545	3.737	7.76	0.519	0.851	0.499	0	0

11/18/2023@05:30:00.000 AM	0	3.9	7.995	0.691	0.634	0.556	0	0
11/18/2023@05:40:00.000 AM	0	3.687	7.864	0.478	1.047	0.454	0	0
11/18/2023@05:50:00.000 AM	0.543	3.585	8.567	0.489	0.973	0.539	0	0
11/18/2023@06:00:00.000 AM	0.331	4.185	7.468	0.765	1.043	0.565	0	0
11/18/2023@06:10:00.000 AM	0.424	3.93	7.301	0.312	0.949	0.41	0	0
11/18/2023@06:20:00.000 AM	0.385	3.826	7.051	0.364	0.83	0.539	0	0
11/18/2023@06:30:00.000 AM	0.413	3.725	8.208	0.626	0.952	0.57	0	0
11/18/2023@06:40:00.000 AM	0.3	3.811	7.8	0.617	0.651	0.437	0	0
11/18/2023@06:50:00.000 AM	0	3.956	7.556	0.537	0.585	0.556	0	0
11/18/2023@07:00:00.000 AM	0.45	3.625	7.583	0.794	0.891	0.503	0	0
11/18/2023@07:10:00.000 AM	0	3.922	8.32	0.769	1.094	0.451	0	0
11/18/2023@07:20:00.000 AM	0.533	4.828	8.118	0.386	0.939	0.403	0	0
11/18/2023@07:30:00.000 AM	0.734	4.173	8.609	0.535	1.141	0.455	0	0
11/18/2023@07:40:00.000 AM	0.722	4.176	7.856	0	1.085	0.365	0	0
11/18/2023@07:50:00.000 AM	0.716	4.188	7.991	0.741	1.09	0.474	0	0
11/18/2023@08:00:00.000 AM	0.815	4.759	7.432	0.74	0.931	0.349	0	0

11/18/2023@08:10:00.000 AM	0	5.253	7.585	0.7	1.077	0.332	0	0
11/18/2023@08:20:00.000 AM	0.582	4.881	7.058	0.878	1.056	0.314	0	0
11/18/2023@08:30:00.000 AM	0	5.205	6.976	0	0.612	0	0	0
11/18/2023@08:40:00.000 AM	0	5.443	7.034	0.303	0.836	0	0	0
11/18/2023@08:50:00.000 AM	0.332	5.558	7.387	0.33	0.408	0	0	0
11/18/2023@09:00:00.000 AM	0.467	6.402	5.925	0.804	0.712	0	0	0
11/18/2023@09:10:00.000 AM	0.41	5.778	6.794	0.485	0.742	0.478	0	0
11/18/2023@09:20:00.000 AM	0.574	5.68	7.466	0.741	0.971	0	0	0
11/18/2023@09:30:00.000 AM	0	5.734	8.594	0.321	0.602	0.789	0.439	0
11/18/2023@09:40:00.000 AM	0.395	5.933	8.782	0.307	1.296	0	0	0.44
11/18/2023@09:50:00.000 AM	0.468	5.814	9.163	0.431	1.096	0	0	0
11/18/2023@10:00:00.000 AM	0	6.206	7.807	0.488	1.115	0	0	0
11/18/2023@10:10:00.000 AM	0.332	6.033	7.654	0.409	0.969	0	0	0
11/18/2023@10:20:00.000 AM	0.397	5.843	8.46	0	0.913	0.317	0	0
11/18/2023@10:30:00.000 AM	0.359	6.841	7.879	0	1.165	0	0	0
11/18/2023@10:40:00.000 AM	0.472	6.654	8.176	0.346	1.085	0.314	0	0

11/18/2023@10:50:00.000 AM	0	6.848	7.808	0	0.817	0.498	0	0
11/18/2023@11:00:00.000 AM	0	6.715	7.427	0	0.651	0.619	0.581	0
11/18/2023@11:10:00.000 AM	0	6.6	7.978	0.486	1.187	0	0	0
11/18/2023@11:20:00.000 AM	0.387	6.834	7.895	0.44	0.86	0.371	0	0
11/18/2023@11:30:00.000 AM	0	6.754	8.093	0.383	1.005	0.335	0	0
11/18/2023@11:40:00.000 AM	0	6.735	7.531	0.677	0.881	0.396	0	0
11/18/2023@11:50:00.000 AM	0	6.702	7.598	0.394	1.135	0.311	0	0
11/18/2023@12:00:00.000 PM	0.362	6.549	8.066	0.369	1.05	0	0	0
11/18/2023@12:10:00.000 PM	0.36	6.845	7.479	0.985	1.512	0.713	0.352	0.309
11/18/2023@12:20:00.000 PM	0.301	6.299	8.3	0.404	1.337	0	0	0
11/18/2023@12:30:00.000 PM	0	6.132	8.527	0	1.229	0.334	0	0
11/18/2023@12:40:00.000 PM	0	6.623	7.932	0.371	1.034	0.657	0	0
11/18/2023@12:50:00.000 PM	0	6.572	7.76	0.437	1.189	0.592	0	0
11/18/2023@01:00:00.000 PM	0.344	6.522	7.913	0.385	1.159	0.426	0	0
11/18/2023@01:10:00.000 PM	0	6.651	8.26	0	1.108	0.445	0	0
11/18/2023@01:20:00.000 PM	0	6.11	8.441	0	1.085	0.365	0	0

11/18/2023@01:30:00.000 PM	0.323	6.307	7.32	0	1.077	0.469	0	0
11/18/2023@01:40:00.000 PM	0	6.127	7.435	0.424	1.046	0.562	0	0
11/18/2023@01:50:00.000 PM	0.341	6.02	8.296	0	1.119	0	0	0
11/18/2023@02:00:00.000 PM	0	6.327	7.514	0.306	1.349	0	0	0
11/18/2023@02:10:00.000 PM	0	6.136	7.703	0.487	1.217	0	0	0
11/18/2023@02:20:00.000 PM	0.347	6.967	7.311	1.304	1.826	0.315	0.425	0
11/18/2023@02:30:00.000 PM	0	6.302	8.501	0	1.552	0.364	0	0
11/18/2023@02:40:00.000 PM	0.526	6.085	9.133	0.42	1.372	0	0.399	0
11/18/2023@02:50:00.000 PM	0.323	6.237	7.97	0	1.197	0.336	0	0
11/18/2023@03:00:00.000 PM	0	6.726	7.52	0	1.187	0.433	0	0
11/18/2023@03:10:00.000 PM	0.371	7.28	6.853	0.448	1.08	0.31	0	0
11/18/2023@03:20:00.000 PM	0.463	6.987	6.649	0	1.075	0	0	0
11/18/2023@03:30:00.000 PM	0	6.562	7.607	0.476	1.541	0	0.357	0
11/18/2023@03:40:00.000 PM	0.344	6.072	7.538	0	1.081	0	0	0
11/18/2023@03:50:00.000 PM	0	6.611	6.976	0	1.14	0.339	0	0
11/18/2023@04:00:00.000 PM	0	6.478	7.28	0	1.031	0.477	0	0

11/18/2023@04:10:00.000 PM	0.333	5.903	8.508	0.342	0.951	0.716	0	0
11/18/2023@04:20:00.000 PM	0	6.255	7.723	0.428	1.155	0	0	0
11/18/2023@04:30:00.000 PM	0.416	6.325	8.044	0.462	1.449	0.861	0.631	0
11/18/2023@04:40:00.000 PM	0	7.186	6.869	0	0.956	0.685	0	0
11/18/2023@04:50:00.000 PM	0	6.846	7.454	0.325	1.017	0.594	0	0
11/18/2023@05:00:00.000 PM	0.356	6.143	8.087	0.673	1.069	0.388	0	0
11/18/2023@05:10:00.000 PM	0	6.011	7.983	0.701	1.409	0.338	0	0.312
11/18/2023@05:20:00.000 PM	0	6.684	7.35	0.428	1.23	0.426	0	0
11/18/2023@05:30:00.000 PM	0.568	6.697	6.736	0	1.451	0.363	0	0
11/18/2023@05:40:00.000 PM	0.356	6.159	7.914	0	1.104	0	0	0
11/18/2023@05:50:00.000 PM	0.352	6.048	8.367	0.47	1.141	0	0	0
11/18/2023@06:00:00.000 PM	0.486	6.175	8.561	0	1.217	0	0.373	0.323
11/18/2023@06:10:00.000 PM	0.539	6.615	6.77	0.666	1.627	0.38	0	0
11/18/2023@06:20:00.000 PM	0	6.391	7.848	0.397	0.978	0.693	0	0
11/18/2023@06:30:00.000 PM	0.322	6.34	8.032	0	1.306	0.485	0	0
11/18/2023@06:40:00.000 PM	0	6.386	8.115	0.402	1.273	0	0	0

11/18/2023@06:50:00.000 PM	0	6.421	7.853	0	1.33	0	0	0.344
11/18/2023@07:00:00.000 PM	0	6.326	7.381	0.385	1.58	0.479	0	0
11/18/2023@07:10:00.000 PM	0.507	6.574	7.43	0.388	1.495	0.354	0	0
11/18/2023@07:20:00.000 PM	0.535	7.379	6.625	0.317	1.949	0.786	0.411	0
11/18/2023@07:30:00.000 PM	0.31	6.154	8.519	0.498	1.622	0.384	0.372	0
11/18/2023@07:40:00.000 PM	0	5.929	8.384	0.57	1.411	0.303	0	0
11/18/2023@07:50:00.000 PM	0.456	7.191	6.714	0	1.61	0.657	0	0
11/18/2023@08:00:00.000 PM	0	7.096	6.742	0.38	1.562	0.716	0	0
11/18/2023@08:10:00.000 PM	0.548	6.207	8.182	0	1.39	0.724	0	0
11/18/2023@08:20:00.000 PM	0	6.035	7.846	0.547	1.699	1.117	0.499	0
11/18/2023@08:30:00.000 PM	0.445	6.662	7.349	0.319	1.697	0.381	0	0
11/18/2023@08:40:00.000 PM	0.525	6.207	8.203	0.345	1.364	0	0	0
11/18/2023@08:50:00.000 PM	0	6.618	7.422	0	1.679	0	0	0
11/18/2023@09:00:00.000 PM	0	7.029	7.389	0.362	1.545	0.486	0	0
11/18/2023@09:10:00.000 PM	0.483	7.68	6.989	0.39	1.673	0.644	0	0
11/18/2023@09:20:00.000 PM	0.337	6.203	9.125	0.313	1.515	0	0	0

11/18/2023@09:30:00.000 PM	0.332	6.302	8.54	0.416	1.448	0.366	0	0
11/18/2023@09:40:00.000 PM	0	6.984	7.443	0.336	1.522	0.567	0.353	0
11/18/2023@09:50:00.000 PM	0	7.114	6.972	0.655	1.732	0.772	0	0
11/18/2023@10:00:00.000 PM	0	6.588	8.056	0.563	1.557	0.375	0	0
11/18/2023@10:10:00.000 PM	0	7.078	7.096	0	1.021	0	0	0
11/18/2023@10:20:00.000 PM	0	7.059	7.363	0.354	0.908	0	0	0
11/18/2023@10:30:00.000 PM	0.457	7.481	5.328	0	1.136	0	0	0
11/18/2023@10:40:00.000 PM	0	7.566	5.898	0.427	0.91	0	0	0
11/18/2023@10:50:00.000 PM	0.351	7.054	7.141	0.349	0.911	0	0	0
11/18/2023@11:00:00.000 PM	0	7.308	6.315	0.681	0.66	0	0	0
11/18/2023@11:10:00.000 PM	0	7.504	6.076	0.389	1.087	0	0	0
11/18/2023@11:20:00.000 PM	0.317	7.945	5.627	0	1.04	0.31	0	0
11/18/2023@11:30:00.000 PM	0	7.026	5.883	0	1.04	0.312	0	0
11/18/2023@11:40:00.000 PM	0.311	7.183	6.445	0.447	0.827	0.44	0	0
11/18/2023@11:50:00.000 PM	0	6.966	6.927	0.362	0.898	0	0	0
11/19/2023@12:00:00.000 AM	0	7.693	6.197	0.403	1.164	0	0	0

11/19/2023@12:10:00.000 AM	0	7.614	6.359	0.381	0.85	0	0	0
11/19/2023@12:20:00.000 AM	0	7.895	5.556	0	0.777	0	0	0
11/19/2023@12:30:00.000 AM	0	7.559	5.906	0	0.897	0	0	0
11/19/2023@12:40:00.000 AM	0	6.942	6.569	0.344	0.999	0	0	0
11/19/2023@12:50:00.000 AM	0.32	6.613	6.95	0	1.057	0	0	0
11/19/2023@01:00:00.000 AM	0.32	6.897	6.676	0	1.142	0	0	0
11/19/2023@01:10:00.000 AM	0	6.781	6.964	0	0.909	0	0.319	0
11/19/2023@01:20:00.000 AM	0	7.683	5.62	0	0.92	0.331	0	0
11/19/2023@01:30:00.000 AM	0	7.478	6.07	0	0.893	0	0	0
11/19/2023@01:40:00.000 AM	0	7.257	6.154	0	0.999	0	0	0
11/19/2023@01:50:00.000 AM	0.35	6.761	7.119	0	0.983	0	0	0
11/19/2023@02:00:00.000 AM	0.315	6.694	6.906	0.352	0.912	0	0	0
11/19/2023@02:10:00.000 AM	0	6.828	6.063	0.309	0.765	0	0	0
11/19/2023@02:20:00.000 AM	0	6.789	6.415	0.326	0.83	0	0	0
11/19/2023@02:30:00.000 AM	0	7.388	5.991	0.324	0.743	0	0	0
11/19/2023@02:40:00.000 AM	0	7.321	6.012	0.455	0.895	0	0	0

11/19/2023@02:50:00.000 AM	0	6.42	6.455	0.415	0.74	0	0	0
11/19/2023@03:00:00.000 AM	0	6.288	6.01	0.47	0.777	0	0	0
11/19/2023@03:10:00.000 AM	0	6.299	6.157	0.331	0.647	0	0	0
11/19/2023@03:20:00.000 AM	0	6.275	6.783	0.465	0.731	0	0	0
11/19/2023@03:30:00.000 AM	0	7.009	6.76	0.416	0.98	0	0	0
11/19/2023@03:40:00.000 AM	0	6.732	7.016	0.465	0.661	0	0	0
11/19/2023@03:50:00.000 AM	0	6.917	6.654	0	0.724	0.539	0	0
11/19/2023@04:00:00.000 AM	0.368	6.552	6.886	0	0.893	0	0	0
11/19/2023@04:10:00.000 AM	0.316	6.142	7.146	0	0.725	0	0	0
11/19/2023@04:20:00.000 AM	0	6.341	7.466	0.638	0.853	0	0	0
11/19/2023@04:30:00.000 AM	0.301	5.801	6.79	0	0.897	0	0	0
11/19/2023@04:40:00.000 AM	0.382	6.588	5.689	0.323	0.627	0	0	0
11/19/2023@04:50:00.000 AM	0.318	6.882	5.46	0.495	0.725	0	0	0
11/19/2023@05:00:00.000 AM	0.332	5.77	6.628	0.562	0.899	0	0	0
11/19/2023@05:10:00.000 AM	0.366	6.112	6.206	0.495	0.627	0	0	0
11/19/2023@05:20:00.000 AM	0.401	5.759	6.888	0	1.204	0	0	0

11/19/2023@05:30:00.000 AM	0	6.199	6.652	0.344	0.912	0	0.313	0
11/19/2023@05:40:00.000 AM	0.333	5.886	6.085	0.373	0.622	0.366	0	0
11/19/2023@05:50:00.000 AM	0.577	6.336	6.089	0.401	0.967	0	0	0
11/19/2023@06:00:00.000 AM	0.302	5.991	6.522	0.42	0.753	0.49	0	0
11/19/2023@06:10:00.000 AM	0.422	5.894	6.91	0.337	1.039	0.32	0	0
11/19/2023@06:20:00.000 AM	0	6.845	5.378	0	1.126	0	0	0
11/19/2023@06:30:00.000 AM	0	6.57	5.786	0	0.633	0	0.372	0.393
11/19/2023@06:40:00.000 AM	0.418	6.755	5.975	0	0.56	0.309	0	0
11/19/2023@06:50:00.000 AM	0.383	6.455	5.997	0	0.607	0.304	0	0
11/19/2023@07:00:00.000 AM	0.544	6.242	6.668	0.381	0.757	0	0	0
11/19/2023@07:10:00.000 AM	0.672	6.22	5.893	0.603	0.941	0.341	0	0
11/19/2023@07:20:00.000 AM	0.765	6.267	6.588	0.533	0.775	0	0.319	0
11/19/2023@07:30:00.000 AM	0.461	6.467	5.957	0	0.568	0	0	0
11/19/2023@07:40:00.000 AM	0	6.414	6.555	0	1.008	0	0	0
11/19/2023@07:50:00.000 AM	0.455	7.043	5.473	0.565	1.143	0	0	0
11/19/2023@08:00:00.000 AM	0	6.604	5.984	0.443	0.92	0	0	0

11/19/2023@08:10:00.000 AM	0	6.698	5.519	0.374	0.952	0	0	0
11/19/2023@08:20:00.000 AM	0	6.484	5.825	0.536	1.062	0	0	0
11/19/2023@08:30:00.000 AM	0.336	5.923	6.559	0	0.964	0.377	0	0.3
11/19/2023@08:40:00.000 AM	0.343	6.389	6.691	0	1.168	0	0	0
11/19/2023@08:50:00.000 AM	0.488	6.66	6.412	0	1.018	0	0.318	0
11/19/2023@09:00:00.000 AM	0.348	6.822	6.256	0.372	0.897	0.539	0	0
11/19/2023@09:10:00.000 AM	0	6.628	6.127	0	1.145	0.778	0	0
11/19/2023@09:20:00.000 AM	0.373	6.316	6.776	0	1.198	0.332	0.325	0
11/19/2023@09:30:00.000 AM	0.54	6.007	7.276	0	1.442	0	0.397	0
11/19/2023@09:40:00.000 AM	0.355	6.688	6.257	0.631	1.224	0.532	0	0
11/19/2023@09:50:00.000 AM	0.633	6.489	6.226	0.448	0.979	0.824	0	0.301
11/19/2023@10:00:00.000 AM	0.34	7.42	5.646	0.429	1.364	0.605	0	0
11/19/2023@10:10:00.000 AM	0.498	6.244	6.609	0.522	1.361	0.449	0.3	0
11/19/2023@10:20:00.000 AM	0.609	6.19	6.915	0.469	1.269	0.365	0	0
11/19/2023@10:30:00.000 AM	0.424	6.482	6.412	0	1.115	0.401	0	0
11/19/2023@10:40:00.000 AM	0.591	6.979	5.838	0	1.209	0.595	0	0

11/19/2023@10:50:00.000 AM	0	6.386	6.428	0	1.271	0.574	0	0
11/19/2023@11:00:00.000 AM	0.311	6.637	5.768	0	1.607	0.739	0	0
11/19/2023@11:10:00.000 AM	0.424	7.538	6.042	0.448	1.369	0.746	0.634	0
11/19/2023@11:20:00.000 AM	0.412	7.766	5.993	0.343	0.799	1.12	0	0
11/19/2023@11:30:00.000 AM	0.411	7.632	5.556	0.477	1.203	0.811	0	0
11/19/2023@11:40:00.000 AM	0.388	7.221	5.636	0.47	1.222	0.94	0	0
11/19/2023@11:50:00.000 AM	0.538	7.535	5.606	0.574	0.901	0.979	0	0
11/19/2023@12:00:00.000 PM	0.574	6.912	6.27	0	1.198	0.614	0.356	0
11/19/2023@12:10:00.000 PM	0	7.439	5.477	0.486	1.044	1.192	0	0
11/19/2023@12:20:00.000 PM	0	7.072	5.518	0.433	1.149	0.994	0	0
11/19/2023@12:30:00.000 PM	0	6.834	6.387	0.388	1.198	0.814	0	0.399
11/19/2023@12:40:00.000 PM	0.486	6.954	6.683	0.639	0.875	1.232	0	0
11/19/2023@12:50:00.000 PM	0.466	6.565	6.623	0.314	1.167	0.438	0.433	0.358
11/19/2023@01:00:00.000 PM	0	7.01	6.052	0.338	1.113	0.766	0	0
11/19/2023@01:10:00.000 PM	0.357	6.749	6.717	0.416	1.093	0.695	0	0
11/19/2023@01:20:00.000 PM	0.475	6.495	7.061	0	1.196	0.521	0	0

11/19/2023@01:30:00.000 PM	0.39	6.565	7.297	0.332	1.347	0.471	0	0
11/19/2023@01:40:00.000 PM	0.447	6.628	6.97	0	1.212	0.689	0	0
11/19/2023@01:50:00.000 PM	0.436	6.709	7.01	0.34	1.548	0	0.474	0
11/19/2023@02:00:00.000 PM	0.385	6.89	6.545	0.413	1.443	0.565	0	0

timestamp	I3 HD 1	I3 HD 3	I3 HD 5	I3 HD 7	I3 HD 9	I3 HD 11	I3 HD 13
11/12/2023@03:20:00.000 PM	100	0.533	8.528	8.115	0.633	2.263	0
11/12/2023@03:30:00.000 PM	100	0.512	8.744	8.569	0.736	2.565	0
11/12/2023@03:40:00.000 PM	100	0.456	8.415	8.892	0.909	2.104	0.554
11/12/2023@03:50:00.000 PM	100	0.678	8.312	9.073	0.908	2.125	0.44
11/12/2023@04:00:00.000 PM	100	0.521	8.715	7.991	0.691	2.347	0
11/12/2023@04:10:00.000 PM	100	0.667	8.592	8.181	0.872	2.099	0.504
11/12/2023@04:20:00.000 PM	100	0.796	8.691	7.881	0.831	2.106	0.312
11/12/2023@04:30:00.000 PM	100	0.884	8.864	7.728	0.955	1.873	0
11/12/2023@04:40:00.000 PM	100	0.974	8.561	7.387	1.159	1.893	0.459
11/12/2023@04:50:00.000 PM	100	0.514	7.658	8.054	0.823	2.039	0.375

11/12/2023@05:00:00.000 PM	100	0.722	8.468	7.535	1.243	1.946	0.571
11/12/2023@05:10:00.000 PM	100	0.871	8.486	6.372	1.177	1.619	0.382
11/12/2023@05:20:00.000 PM	100	0.786	8.453	6.744	1.019	1.561	0
11/12/2023@05:30:00.000 PM	100	0.532	7.736	7.327	1.148	1.628	0.363
11/12/2023@05:40:00.000 PM	100	0.792	8.223	7.768	0.897	2.151	0
11/12/2023@05:50:00.000 PM	100	0.676	8.589	7.084	0.859	2.269	0
11/12/2023@06:00:00.000 PM	100	0.864	8.241	6.299	0.705	2.067	0
11/12/2023@06:10:00.000 PM	100	0.868	7.89	6.075	1.271	1.669	0
11/12/2023@06:20:00.000 PM	100	0.817	7.724	6.832	0.918	1.643	0.397
11/12/2023@06:30:00.000 PM	100	0.526	7.641	6.628	0.884	1.888	0.348
11/12/2023@06:40:00.000 PM	100	0.877	7.567	6.651	0.889	1.851	0.46
11/12/2023@06:50:00.000 PM	100	0.683	8.444	5.821	0.781	1.469	0
11/12/2023@07:00:00.000 PM	100	0.523	8.362	6.14	0.766	1.959	0.377
11/12/2023@07:10:00.000 PM	100	0.492	8.269	6.068	0.67	2.07	0.41
11/12/2023@07:20:00.000 PM	100	0.653	8.709	6.344	0.617	2.101	0.329
11/12/2023@07:30:00.000 PM	100	0.63	9.085	5.59	0.474	2.021	0.356

11/12/2023@07:40:00.000 PM	100	0.861	9.215	6.03	0.75	1.973	0.312
11/12/2023@07:50:00.000 PM	100	0.647	9.218	5.815	0.551	1.949	0
11/12/2023@08:00:00.000 PM	100	0.639	9.207	6.608	0.683	2.277	0.378
11/12/2023@08:10:00.000 PM	100	0.564	9.562	5.237	4.557	2.219	0.607
11/12/2023@08:20:00.000 PM	100	0.931	9.53	5.657	0.788	1.853	0
11/12/2023@08:30:00.000 PM	100	0.685	9.115	6.082	0.761	1.541	0
11/12/2023@08:40:00.000 PM	100	0.684	8.907	6.633	2.524	1.29	0.949
11/12/2023@08:50:00.000 PM	100	0.469	8.728	6.55	3.628	1.664	0.822
11/12/2023@09:00:00.000 PM	100	0.901	8.959	6.288	1.273	1.698	0
11/12/2023@09:10:00.000 PM	100	0.648	8.65	5.846	1.727	1.547	0.345
11/12/2023@09:20:00.000 PM	100	0.829	8.75	6.716	0.9	1.955	0
11/12/2023@09:30:00.000 PM	100	0.922	8.345	6.43	1.332	1.668	0.489
11/12/2023@09:40:00.000 PM	100	0.66	8.364	6.249	2.597	1.329	1.552
11/12/2023@09:50:00.000 PM	100	0.709	8.198	6.451	1.327	1.876	0
11/12/2023@10:00:00.000 PM	100	0.891	8.187	6.854	1.023	1.83	0.349
11/12/2023@10:10:00.000 PM	100	0.731	8.23	6.22	1.809	1.765	0

11/12/2023@10:20:00.000 PM	100	0.699	7.95	7.572	0.849	1.892	0.332
11/12/2023@10:30:00.000 PM	100	0.923	7.381	7.434	1.004	2.044	0.367
11/12/2023@10:40:00.000 PM	100	0.906	8.054	7.534	0.882	1.979	0.36
11/12/2023@10:50:00.000 PM	100	0.9	7.574	6.79	1.141	1.813	0
11/12/2023@11:00:00.000 PM	100	0.931	7.253	7.108	0.867	1.777	0
11/12/2023@11:10:00.000 PM	100	0.93	7.542	7.43	0.99	1.731	0.325
11/12/2023@11:20:00.000 PM	100	0.809	7.322	7.986	1.063	1.91	0.42
11/12/2023@11:30:00.000 PM	100	1.089	7.28	8.295	0.958	1.987	0
11/12/2023@11:40:00.000 PM	100	0.84	7.088	7.672	1.323	1.751	0
11/12/2023@11:50:00.000 PM	100	1.084	7.568	7.158	1.347	1.719	0
11/13/2023@12:00:00.000 AM	100	1.011	7.593	7.104	1.338	1.662	0.34
11/13/2023@12:10:00.000 AM	100	1.02	7.698	7.307	1.356	1.905	0.339
11/13/2023@12:20:00.000 AM	100	0.846	7.631	6.949	1.053	1.948	0
11/13/2023@12:30:00.000 AM	100	0.446	7.895	5.757	2.237	1.002	0
11/13/2023@12:40:00.000 AM	100	0.983	7.921	6.023	1.329	1.797	0
11/13/2023@12:50:00.000 AM	100	0.98	7.616	7.074	2.017	1.358	0.47

11/13/2023@01:00:00.000 AM	100	0.855	6.906	9.064	0.907	2.083	0.445
11/13/2023@01:10:00.000 AM	100	1.224	7.139	8.649	0.904	1.708	0.34
11/13/2023@01:20:00.000 AM	100	0.876	7.404	7.782	3.157	1.788	1.374
11/13/2023@01:30:00.000 AM	100	0.801	7.233	6.317	3.549	1.227	1.346
11/13/2023@01:40:00.000 AM	100	0.756	7.073	6.831	0.827	1.724	0
11/13/2023@01:50:00.000 AM	100	0.759	6.429	7.199	1.158	1.693	0
11/13/2023@02:00:00.000 AM	100	0.775	6.324	7.546	1.076	1.711	0.357
11/13/2023@02:10:00.000 AM	100	1.185	6.06	8.255	1.041	1.79	0.388
11/13/2023@02:20:00.000 AM	100	0.933	6.573	7.152	0.751	1.903	0
11/13/2023@02:30:00.000 AM	100	1.068	7.24	6.819	0.748	2.068	0
11/13/2023@02:40:00.000 AM	100	0.946	7.055	7.323	0.899	1.812	0.325
11/13/2023@02:50:00.000 AM	100	0.86	6.371	7.993	0.74	1.967	0.348
11/13/2023@03:00:00.000 AM	100	0.94	6.499	7.879	1.103	1.75	0.407
11/13/2023@03:10:00.000 AM	100	0.638	6.538	7.837	0.832	1.983	0.317
11/13/2023@03:20:00.000 AM	100	1.149	7.303	7.409	0.954	1.768	0
11/13/2023@03:30:00.000 AM	100	0.658	6.244	8.026	1.589	1.488	0.493

11/13/2023@03:40:00.000 AM	100	1.204	6.798	8.55	0.958	1.774	0.426
11/13/2023@03:50:00.000 AM	100	1.009	6.978	7.608	0.567	1.781	0
11/13/2023@04:00:00.000 AM	100	1.041	7.435	7.125	0.759	1.748	0
11/13/2023@04:10:00.000 AM	100	0.867	7.011	8.169	0.444	1.857	0
11/13/2023@04:20:00.000 AM	100	1.103	6.872	8.402	0.69	1.692	0.342
11/13/2023@04:30:00.000 AM	100	0.955	6.613	8.963	0.611	1.8	0.42
11/13/2023@04:40:00.000 AM	100	0.931	6.637	8.293	0.681	1.905	0.382
11/13/2023@04:50:00.000 AM	100	0.889	7.277	7.676	0.515	2.015	0
11/13/2023@05:00:00.000 AM	100	1.645	4.319	4.35	0	1.472	0.806
11/13/2023@05:10:00.000 AM	100	1.568	7.283	8.597	1.158	1.898	0.397
11/13/2023@05:20:00.000 AM	100	1.188	6.248	8.302	0.878	1.587	0.355
11/13/2023@05:30:00.000 AM	100	1.219	6.394	7.605	1.077	1.502	0
11/13/2023@05:40:00.000 AM	100	1.115	7.42	7.699	1.224	1.527	0.417
11/13/2023@05:50:00.000 AM	100	1.02	6.784	7.572	1.097	1.373	0.332
11/13/2023@06:00:00.000 AM	100	0.7	7.006	7.238	2.991	1.364	0.709
11/13/2023@06:10:00.000 AM	100	0.842	6.902	6.303	1.736	0.644	0

11/13/2023@06:20:00.000 AM	100	1.305	6.778	7.294	0.758	1.392	0
11/13/2023@06:30:00.000 AM	100	0.929	6.941	7.328	0.614	1.676	0
11/13/2023@06:40:00.000 AM	100	1.072	6.64	8.631	0.662	1.894	0.399
11/13/2023@06:50:00.000 AM	100	1.214	6.63	8.461	0.65	1.888	0.381
11/13/2023@07:00:00.000 AM	100	1.075	6.846	8.976	0.662	1.926	0.455
11/13/2023@07:10:00.000 AM	100	1.367	7.19	6.573	1.237	1.734	0
11/13/2023@07:20:00.000 AM	100	1.239	7.08	7.672	1.588	1.621	0.444
11/13/2023@07:30:00.000 AM	100	1.572	6.957	7.827	1.811	1.44	0.339
11/13/2023@07:40:00.000 AM	100	1.172	6.463	8.739	1.455	1.785	0.479
11/13/2023@07:50:00.000 AM	100	1.392	6.951	8.452	1.009	2.109	0
11/13/2023@08:00:00.000 AM	100	1.015	7.017	8.387	0.665	2.143	0.32
11/13/2023@08:10:00.000 AM	100	1.314	6.784	8.113	0.929	1.858	0.328
11/13/2023@08:20:00.000 AM	100	1.319	6.932	8.524	0.976	2.171	0
11/13/2023@08:30:00.000 AM	100	1.44	6.775	8.038	0.862	2.359	0.306
11/13/2023@08:40:00.000 AM	100	1.178	7.573	8.648	0.762	2.294	0
11/13/2023@08:50:00.000 AM	100	1.585	6.497	9.473	1.125	1.967	0.513

11/13/2023@09:00:00.000 AM	100	1.603	6.254	9.855	0.818	2.774	0.322
11/13/2023@09:10:00.000 AM	100	1.708	7.451	7.818	2.38	1.295	0.461
11/13/2023@09:20:00.000 AM	100	1.303	7.453	8.842	1.283	2.564	0
11/13/2023@09:30:00.000 AM	100	1.217	6.196	9.938	1.182	2.729	0
11/13/2023@09:40:00.000 AM	100	1.593	5.751	12.037	1.9	3.123	0
11/13/2023@09:50:00.000 AM	100	1.465	6.043	12.668	1.146	3.232	0
11/13/2023@10:00:00.000 AM	100	1.698	6.409	12.249	3.028	2.778	0.477
11/13/2023@10:10:00.000 AM	100	1.698	7.635	10.189	1.533	3.263	0
11/13/2023@10:20:00.000 AM	100	1.432	6.926	11.336	0.762	3.485	0
11/13/2023@10:30:00.000 AM	100	1.461	7.175	10.411	1.548	2.822	0
11/13/2023@10:40:00.000 AM	100	1.628	7.338	11.266	1.511	3.001	0
11/13/2023@10:50:00.000 AM	100	1.345	6.811	9.98	1.251	2.761	0
11/13/2023@11:00:00.000 AM	100	1.116	6.274	9.664	0.932	2.859	0
11/13/2023@11:10:00.000 AM	100	1.22	6.613	9.196	1.093	2.775	0
11/13/2023@11:20:00.000 AM	100	1.223	7.402	7.832	3.005	2.844	0
11/13/2023@11:30:00.000 AM	100	1.128	6.374	10.668	0.846	3.046	0

11/13/2023@11:40:00.000 AM	100	1.095	6.607	9.534	0.805	2.86	0
11/13/2023@11:50:00.000 AM	100	1.164	6.529	9.289	0.866	2.82	0
11/13/2023@12:00:00.000 PM	100	1.195	6.789	8.615	2.367	2.307	0
11/13/2023@12:10:00.000 PM	100	0.883	7.165	8.091	0.836	2.445	0
11/13/2023@12:20:00.000 PM	100	1.055	7.174	8.356	1.741	2.355	0.31
11/13/2023@12:30:00.000 PM	100	0.86	6.838	9.352	3.511	4.165	1.054
11/13/2023@12:40:00.000 PM	100	1.238	7.761	9.907	2.568	3.997	0.391
11/13/2023@12:50:00.000 PM	100	1.179	7.446	10.739	1.03	3.253	0
11/13/2023@01:00:00.000 PM	100	1.266	7.312	10.942	1.196	3.198	0
11/13/2023@01:10:00.000 PM	100	1.294	7.034	11.037	1.062	3.407	0
11/13/2023@01:20:00.000 PM	100	1.218	6.79	9.324	1.417	2.971	0
11/13/2023@01:30:00.000 PM	100	1.085	5.791	10.739	2.173	3.093	0
11/13/2023@01:40:00.000 PM	100	1.101	5.925	10.591	1.052	3.288	0
11/13/2023@01:50:00.000 PM	100	1.221	6.06	10.755	1.194	3.33	0
11/13/2023@02:00:00.000 PM	100	1.081	5.777	10.934	0.982	3.153	0
11/13/2023@02:10:00.000 PM	100	0.948	5.966	10.209	0.707	3.142	0

11/13/2023@02:20:00.000 PM	100	0.911	6.45	9.856	1.711	2.971	0
11/13/2023@02:30:00.000 PM	100	1.121	6.704	9.933	1.018	3.092	0
11/13/2023@02:40:00.000 PM	100	0.967	5.833	11.335	0.763	3.304	0
11/13/2023@02:50:00.000 PM	100	1.156	7.631	9.285	0.834	2.904	0
11/13/2023@03:00:00.000 PM	100	1.096	7.267	9.501	0.676	2.912	0
11/13/2023@03:10:00.000 PM	100	1.45	7.244	10.013	3.902	2.841	0.322
11/13/2023@03:20:00.000 PM	100	1.382	6.455	11.642	0.892	3.202	0
11/13/2023@03:30:00.000 PM	100	1.322	7.034	10.676	0.772	2.934	0
11/13/2023@03:40:00.000 PM	100	1.406	7.129	9.11	0.981	2.786	0.363
11/13/2023@03:50:00.000 PM	100	1.193	6.512	11.495	0.735	2.98	0
11/13/2023@04:00:00.000 PM	100	1.855	6.263	10.879	1.321	2.919	0
11/13/2023@04:10:00.000 PM	100	1.496	7.336	9.994	0.708	3.178	0
11/13/2023@04:20:00.000 PM	100	1.342	7.378	9.693	0.624	2.866	0
11/13/2023@04:30:00.000 PM	100	1.169	6.948	11.052	0.621	3.025	0
11/13/2023@04:40:00.000 PM	100	1.265	7.171	11.165	0.851	3.582	0
11/13/2023@04:50:00.000 PM	100	1.121	7.854	8.849	1.704	2.628	0.347

11/13/2023@05:00:00.000 PM	100	1.384	6.744	9.615	1.179	2.728	0
11/13/2023@05:10:00.000 PM	100	1.257	7.64	9.482	2.19	2.803	0
11/13/2023@05:20:00.000 PM	100	1.326	7.397	9.584	0.72	3.273	0
11/13/2023@05:30:00.000 PM	100	1.313	7.819	9.628	1.166	2.439	0
11/13/2023@05:40:00.000 PM	100	1.147	7.632	9.173	0.822	2.784	0
11/13/2023@05:50:00.000 PM	100	1.404	7.907	9.117	0.916	3.061	0
11/13/2023@06:00:00.000 PM	100	1.377	7.917	9.887	0.692	3.158	0
11/13/2023@06:10:00.000 PM	100	1.152	8.301	8.373	2.239	2.957	0.364
11/13/2023@06:20:00.000 PM	100	1.354	7.11	10.914	0.74	3.18	0
11/13/2023@06:30:00.000 PM	100	1.385	6.602	11.298	0.779	3.451	0
11/13/2023@06:40:00.000 PM	100	1.405	6.733	10.529	0.646	2.933	0
11/13/2023@06:50:00.000 PM	100	1.683	7.363	9.61	1.038	3.003	0
11/13/2023@07:00:00.000 PM	100	1.46	8.091	8.693	1.091	2.279	0
11/13/2023@07:10:00.000 PM	100	1.235	7.866	9.92	1.554	2.813	0.314
11/13/2023@07:20:00.000 PM	100	1.233	7.766	9.162	1.107	2.436	0
11/13/2023@07:30:00.000 PM	100	1.502	7.731	9.109	1.056	2.424	0

11/13/2023@07:40:00.000 PM	100	1.365	8.148	7.76	1.644	2.202	0
11/13/2023@07:50:00.000 PM	100	1.49	8.153	7.756	0.892	2.229	0
11/13/2023@08:00:00.000 PM	100	1.299	7.349	8.656	0.483	2.117	0
11/13/2023@08:10:00.000 PM	100	1.037	7.499	7.307	1.877	1.977	0
11/13/2023@08:20:00.000 PM	100	1.148	8.184	7.215	2.685	1.748	0.326
11/13/2023@08:30:00.000 PM	100	1.433	7.988	8.075	1.333	2.567	0
11/13/2023@08:40:00.000 PM	100	1.228	7.844	7.697	1.557	2.032	0.39
11/13/2023@08:50:00.000 PM	100	1.201	8.367	6.579	1.898	2.017	0
11/13/2023@09:00:00.000 PM	100	1.288	7.628	7.312	0.997	2.178	0
11/13/2023@09:10:00.000 PM	100	0.959	7.53	7.325	1.777	1.97	0
11/13/2023@09:20:00.000 PM	100	0.996	7.651	6.933	1.287	1.879	0
11/13/2023@09:30:00.000 PM	100	1.232	7.891	6.898	1.376	1.521	0.317
11/13/2023@09:40:00.000 PM	100	1.033	8.386	6.701	2.004	0.813	0
11/13/2023@09:50:00.000 PM	100	1.082	8.147	6.582	0.627	1.533	0
11/13/2023@10:00:00.000 PM	100	1.224	8.401	6.571	0.912	1.293	0
11/13/2023@10:10:00.000 PM	100	0.987	8.326	5.029	2.528	0.932	0

11/13/2023@10:20:00.000 PM	100	1.212	7.969	6.724	0.757	1.332	0
11/13/2023@10:30:00.000 PM	100	1.105	8.234	6.119	1.516	1.186	0
11/13/2023@10:40:00.000 PM	100	1.805	10.891	12.75	1.447	1.982	0.351
11/13/2023@10:50:00.000 PM	100	2.09	9.984	12.946	1.403	1.864	0.474
11/13/2023@11:00:00.000 PM	100	1.539	10.02	12.671	2.209	1.559	0
11/13/2023@11:10:00.000 PM	100	1.173	8.797	7.873	1.294	0.945	0
11/13/2023@11:20:00.000 PM	100	0.963	8.515	6.148	1.261	1.349	0.336
11/13/2023@11:30:00.000 PM	100	1.419	8.049	6.243	1.757	0.946	0
11/13/2023@11:40:00.000 PM	100	1.478	7.552	7.561	1.965	1.015	0
11/13/2023@11:50:00.000 PM	100	1.102	7.018	6.551	1.732	0.754	0
11/14/2023@12:00:00.000 AM	100	1.116	6.667	6.351	1.133	0.778	0
11/14/2023@12:10:00.000 AM	100	1.318	6.953	4.858	1.014	1.163	0
11/14/2023@12:20:00.000 AM	100	1.101	6.967	4.873	1.058	1.232	0
11/14/2023@12:30:00.000 AM	100	1.437	6.327	4.972	1.469	0.835	0
11/14/2023@12:40:00.000 AM	100	1.298	5.973	7.088	1.019	1.24	0
11/14/2023@12:50:00.000 AM	100	1.466	5.75	7.416	1.102	1.306	0

11/14/2023@01:00:00.000 AM	100	1.342	5.858	7.335	0.958	1.144	0
11/14/2023@01:10:00.000 AM	100	1.236	5.892	6.231	1.336	1.099	0
11/14/2023@01:20:00.000 AM	100	1.139	6.073	5.72	1.247	1.01	0
11/14/2023@01:30:00.000 AM	100	1.105	6.362	5.45	1.138	0.95	0
11/14/2023@01:40:00.000 AM	100	1.11	5.929	6.778	0.88	0.717	0
11/14/2023@01:50:00.000 AM	100	1.038	5.541	6.718	1.04	1.016	0
11/14/2023@02:00:00.000 AM	100	1.451	7.074	7.581	1.774	1.029	0.301
11/14/2023@02:10:00.000 AM	100	1.339	6.439	6.398	1.495	0.678	0
11/14/2023@02:20:00.000 AM	100	1.212	6.484	5.908	0.914	0.995	0
11/14/2023@02:30:00.000 AM	100	1.235	6.49	6.97	0.696	0.97	0
11/14/2023@02:40:00.000 AM	100	1.21	6.121	8.113	0.892	1.076	0
11/14/2023@02:50:00.000 AM	100	1.09	5.586	7.451	0.955	0.784	0
11/14/2023@03:00:00.000 AM	100	1.259	6.083	7.073	1.071	0.849	0
11/14/2023@03:10:00.000 AM	100	1.238	6.471	7.273	0.963	1.038	0
11/14/2023@03:20:00.000 AM	100	1.181	7.294	6.338	1.356	0.988	0
11/14/2023@03:30:00.000 AM	100	0.937	6.321	8.533	0.885	1.228	0

11/14/2023@03:40:00.000 AM	100	1.061	5.996	8.58	0.809	1.102	0
11/14/2023@03:50:00.000 AM	100	1.117	5.974	8.432	0.885	1.197	0
11/14/2023@04:00:00.000 AM	100	1.147	6.495	7.027	0.753	1.279	0
11/14/2023@04:10:00.000 AM	100	1.321	6.228	7.163	1.16	1.142	0
11/14/2023@04:20:00.000 AM	100	1.45	6.038	7.612	1.053	1.188	0
11/14/2023@04:30:00.000 AM	100	1.519	5.714	8.477	1.088	1.223	0
11/14/2023@04:40:00.000 AM	100	1.468	6.402	7.402	1.102	1.018	0
11/14/2023@04:50:00.000 AM	100	0.958	5.9	8.421	0.901	1.021	0
11/14/2023@05:00:00.000 AM	100	1.591	5.714	8.029	1.055	1.016	0
11/14/2023@05:10:00.000 AM	100	1.365	5.882	7.714	1.077	0.971	0
11/14/2023@05:20:00.000 AM	100	1.34	5.869	7.55	0.778	1.049	0
11/14/2023@05:30:00.000 AM	100	1.499	5.344	8.134	0.862	1.123	0
11/14/2023@05:40:00.000 AM	100	1.336	5.119	8.555	0.66	1.046	0.32
11/14/2023@05:50:00.000 AM	100	1.204	6.068	7.955	1.023	1.249	0
11/14/2023@06:00:00.000 AM	100	1.374	5.461	8.568	0.931	1.25	0
11/14/2023@06:10:00.000 AM	100	1.544	6.245	7.79	1.126	1.038	0

11/14/2023@06:20:00.000 AM	100	1.589	6.406	6.983	0.991	1.119	0
11/14/2023@06:30:00.000 AM	100	1.255	5.78	8.048	0.827	1.35	0
11/14/2023@06:40:00.000 AM	100	1.382	6.139	8.75	1.349	1.26	0.364
11/14/2023@06:50:00.000 AM	100	1.26	6.477	6.866	0.531	1.463	0
11/14/2023@07:00:00.000 AM	100	1.295	6.09	7.936	0.915	1.214	0
11/14/2023@07:10:00.000 AM	100	1.357	6.326	7.784	0.897	1.288	0
11/14/2023@07:20:00.000 AM	100	1.189	6.611	8.044	0.896	1.488	0
11/14/2023@07:30:00.000 AM	100	1.395	6.035	8.75	1.372	1.382	0.324
11/14/2023@07:40:00.000 AM	100	1.303	6.577	7.042	1.355	1.236	0
11/14/2023@07:50:00.000 AM	100	1.227	7.406	6.161	1.357	1.294	0
11/14/2023@08:00:00.000 AM	100	1.06	7.474	6.365	1.176	1.061	0
11/14/2023@08:10:00.000 AM	100	0.995	6.167	7.708	0.483	1.421	0
11/14/2023@08:20:00.000 AM	100	1.081	6.562	6.252	0.998	1.067	0
11/14/2023@08:30:00.000 AM	100	1.03	7.33	5.094	1.315	1.054	0
11/14/2023@08:40:00.000 AM	100	0.899	7.325	5.656	1.27	1.01	0
11/14/2023@08:50:00.000 AM	100	1.008	7.364	5.752	1.064	1.211	0

11/14/2023@09:00:00.000 AM	100	1.081	4.452	3.854	0	1.072	0.851
11/14/2023@09:10:00.000 AM	100	0.665	6.893	8.918	2.487	0.893	0
11/14/2023@09:20:00.000 AM	100	0.561	7.232	7.283	0.587	1.342	0
11/14/2023@09:30:00.000 AM	100	1.28	6.965	8.017	0.951	1.314	0.462
11/14/2023@09:40:00.000 AM	100	1.667	6.541	8.832	1.054	1.595	0
11/14/2023@09:50:00.000 AM	100	1.332	6.225	11.008	1.244	2.667	0
11/14/2023@10:00:00.000 AM	100	1.198	6.797	9.684	2.149	2.095	0.315
11/14/2023@10:10:00.000 AM	100	1.042	6.9	10.018	0.864	2.65	0.354
11/14/2023@10:20:00.000 AM	100	0.969	7.689	8.466	1.037	2.506	0.378
11/14/2023@10:30:00.000 AM	100	1.039	7.923	8.074	0.85	2.426	0.405
11/14/2023@10:40:00.000 AM	100	0.89	6.881	10.851	0.426	2.686	0.404
11/14/2023@10:50:00.000 AM	100	0.815	6.626	10.333	0.513	2.836	0
11/14/2023@11:00:00.000 AM	100	0.814	7.339	8.371	1.819	2.161	0.427
11/14/2023@11:10:00.000 AM	100	0.884	7.894	8.476	0.527	2.235	0.449
11/14/2023@11:20:00.000 AM	100	0.912	8.123	7.375	3.539	1.906	0.316
11/14/2023@11:30:00.000 AM	100	0.715	7.017	10.094	2.026	2.677	0

11/14/2023@11:40:00.000 AM	100	0.934	7.107	10.433	0.65	2.444	0
11/14/2023@11:50:00.000 AM	100	0.728	6.914	10.136	0.445	2.094	0.37
11/14/2023@12:00:00.000 PM	100	0.755	7.736	8.602	2.071	1.697	0.355
11/14/2023@12:10:00.000 PM	100	0.682	7.392	9.415	0.643	2.19	0.416
11/14/2023@12:20:00.000 PM	100	0.742	7.29	10.44	0.453	2.5	0.455
11/14/2023@12:30:00.000 PM	100	0.733	7.097	10.926	0.407	2.74	0.316
11/14/2023@12:40:00.000 PM	100	0.708	7.24	10.776	0.651	2.529	0.382
11/14/2023@12:50:00.000 PM	100	0.848	7.635	10.095	0	2.323	0.448
11/14/2023@01:00:00.000 PM	100	0.633	6.854	10.337	0.775	2.634	0.606
11/14/2023@01:10:00.000 PM	100	0.562	6.235	11.024	0	2.519	0
11/14/2023@01:20:00.000 PM	100	0.869	6.663	10.615	0.323	2.69	0.324
11/14/2023@01:30:00.000 PM	100	0.676	6.596	9.904	0	2.31	0.343
11/14/2023@01:40:00.000 PM	100	0.518	6.924	9.762	0	2.153	0.345
11/14/2023@01:50:00.000 PM	100	0.653	6.902	10.224	0	2.412	0.31
11/14/2023@02:00:00.000 PM	100	0.795	7.132	10.455	0.516	2.609	0.361
11/14/2023@02:10:00.000 PM	100	0.828	7.439	9.022	1.531	1.839	0.439

11/14/2023@02:20:00.000 PM	100	0.564	7.609	8.413	0	2.025	0.544
11/14/2023@02:30:00.000 PM	100	0.496	8.065	7.905	1.48	2.045	0.602
11/14/2023@02:40:00.000 PM	100	0.466	7.711	9.523	1.149	3.037	0.64
11/14/2023@02:50:00.000 PM	100	1.747	7.385	11.261	0.777	2.544	0.383
11/14/2023@03:00:00.000 PM	100	0.766	7.113	11.709	0.573	3.165	0.327
11/14/2023@03:10:00.000 PM	100	0.742	7.223	10.149	1.556	2.25	0.41
11/14/2023@03:20:00.000 PM	100	0.878	7.717	8.566	1.216	2.098	0.515
11/14/2023@03:30:00.000 PM	100	0.795	7.591	8.831	0	2.494	0.497
11/14/2023@03:40:00.000 PM	100	0.826	7.28	9.113	0	2.621	0.372
11/14/2023@03:50:00.000 PM	100	0.637	7.294	9.055	1.86	2.461	0
11/14/2023@04:00:00.000 PM	100	0.826	7.928	8.469	1.828	2.206	0
11/14/2023@04:10:00.000 PM	100	0.715	7.678	8.786	0	2.481	0.436
11/14/2023@04:20:00.000 PM	100	0.768	7.752	9.027	0	2.462	0.412
11/14/2023@04:30:00.000 PM	100	0.764	7.021	9.678	0.427	2.61	0
11/14/2023@04:40:00.000 PM	100	0.714	6.992	9.68	0.484	2.598	0
11/14/2023@04:50:00.000 PM	100	0.87	6.944	9.56	0.448	2.664	0

11/14/2023@05:00:00.000 PM	100	0.763	7.799	7.465	1.27	1.778	0.521
11/14/2023@05:10:00.000 PM	100	0.625	7.214	8.181	1.5	1.868	0
11/14/2023@05:20:00.000 PM	100	0.674	7.075	8.419	1.726	2.211	0
11/14/2023@05:30:00.000 PM	100	0.791	7.286	7.567	0.407	2.395	0
11/14/2023@05:40:00.000 PM	100	0.786	7.886	8.077	0.438	2.286	0.34
11/14/2023@05:50:00.000 PM	100	0.782	6.982	7.602	0.864	1.747	0
11/14/2023@06:00:00.000 PM	100	0.648	6.949	7.992	2.437	1.426	0.391
11/14/2023@06:10:00.000 PM	100	0.507	6.566	8.161	3.766	1.276	0.369
11/14/2023@06:20:00.000 PM	100	0.701	6.504	8.512	0.809	1.527	0
11/14/2023@06:30:00.000 PM	100	1.031	6.823	8.125	0.657	1.552	0
11/14/2023@06:40:00.000 PM	100	0.967	7.246	6.575	0.636	1.535	0
11/14/2023@06:50:00.000 PM	100	1.075	6.729	8.27	0	1.616	0
11/14/2023@07:00:00.000 PM	100	1.061	7.04	8.431	0.361	1.678	0
11/14/2023@07:10:00.000 PM	100	0.911	6.72	8.475	1.062	1.354	0.322
11/14/2023@07:20:00.000 PM	100	1.297	7.318	7.671	0.534	1.236	0
11/14/2023@07:30:00.000 PM	100	0.929	7.894	6.52	0.45	1.553	0.336

11/14/2023@07:40:00.000 PM	100	0.997	7.459	7.071	0.347	1.697	0
11/14/2023@07:50:00.000 PM	100	0.866	6.896	8.157	0	1.778	0
11/14/2023@08:00:00.000 PM	100	1.088	7.405	7.758	0.75	1.666	0
11/14/2023@08:10:00.000 PM	100	0.758	8.29	5.132	2.266	1.421	0.308
11/14/2023@08:20:00.000 PM	100	0.818	7.876	6.396	1.17	1.393	0.383
11/14/2023@08:30:00.000 PM	100	0.824	7.719	6.137	0.658	1.213	0.453
11/14/2023@08:40:00.000 PM	100	1.084	6.84	8.004	0	1.252	0
11/14/2023@08:50:00.000 PM	100	1.124	6.859	7.52	1.444	1.297	0.36
11/14/2023@09:00:00.000 PM	100	0.902	7.323	7.292	0.387	1.432	0
11/14/2023@09:10:00.000 PM	100	1.017	7.497	7.313	1.566	1.223	0.426
11/14/2023@09:20:00.000 PM	100	0.587	7.616	6.665	0.474	1.523	0
11/14/2023@09:30:00.000 PM	100	0.89	7.636	7.123	0.582	1.666	0
11/14/2023@09:40:00.000 PM	100	0.973	7.824	6.197	0.73	1.682	0
11/14/2023@09:50:00.000 PM	100	1.019	7.417	7.901	0.429	1.71	0
11/14/2023@10:00:00.000 PM	100	0.964	7.421	7.794	0.545	1.688	0
11/14/2023@10:10:00.000 PM	100	0.94	6.66	9.257	0.521	1.752	0

11/14/2023@10:20:00.000 PM	100	0.835	7.039	8.178	0.493	1.75	0
11/14/2023@10:30:00.000 PM	100	0.808	7.395	7.39	0.543	1.623	0
11/14/2023@10:40:00.000 PM	100	1.053	7.422	6.936	0.578	1.529	0.38
11/14/2023@10:50:00.000 PM	100	0.901	6.966	8.043	0	1.644	0
11/14/2023@11:00:00.000 PM	100	1.117	7.036	8.239	0.956	1.453	0
11/14/2023@11:10:00.000 PM	100	0.979	6.856	7.491	1.063	1.604	0
11/14/2023@11:20:00.000 PM	100	0.799	6.564	7.55	0.535	1.83	0
11/14/2023@11:30:00.000 PM	100	0.872	7.253	5.837	0.813	1.477	0
11/14/2023@11:40:00.000 PM	100	0.782	8.508	3.607	2.823	1.146	0.343
11/14/2023@11:50:00.000 PM	100	0.855	7.889	5.247	0.838	1.288	0
11/15/2023@12:00:00.000 AM	100	0.84	7.137	7.394	0.71	1.744	0
11/15/2023@12:10:00.000 AM	100	0.716	7.387	7.317	0.45	1.574	0
11/15/2023@12:20:00.000 AM	100	0.904	6.806	8.326	0.608	1.616	0
11/15/2023@12:30:00.000 AM	100	0.529	7.528	6.288	0.334	1.553	0
11/15/2023@12:40:00.000 AM	100	0.674	7.752	5.919	0.556	1.567	0
11/15/2023@12:50:00.000 AM	100	0.679	7.277	6.488	0.606	1.336	0

11/15/2023@01:00:00.000 AM	100	0.901	6.846	7.816	0.563	1.587	0
11/15/2023@01:10:00.000 AM	100	0.737	6.36	8.129	0.335	1.48	0
11/15/2023@01:20:00.000 AM	100	0.817	6.122	9.014	0.46	1.481	0
11/15/2023@01:30:00.000 AM	100	0.859	6.719	8.099	0.477	1.765	0
11/15/2023@01:40:00.000 AM	100	1.046	6.986	7.047	0.315	1.636	0
11/15/2023@01:50:00.000 AM	100	1.057	6.705	8.689	0	1.823	0
11/15/2023@02:00:00.000 AM	100	0.912	6.275	9.208	0.342	1.749	0
11/15/2023@02:10:00.000 AM	100	1.028	5.951	9.762	0.449	1.797	0
11/15/2023@02:20:00.000 AM	100	1.143	6.395	9.221	0.582	1.872	0
11/15/2023@02:30:00.000 AM	100	1.137	6.057	9.144	0.689	1.751	0
11/15/2023@02:40:00.000 AM	100	1.165	6.435	8.84	0.753	1.862	0
11/15/2023@02:50:00.000 AM	100	1.068	5.857	8.845	0.981	1.632	0
11/15/2023@03:00:00.000 AM	100	1.086	5.481	9.717	0.659	1.731	0
11/15/2023@03:10:00.000 AM	100	1.172	5.397	9.317	0.717	1.773	0.309
11/15/2023@03:20:00.000 AM	100	1.255	5.012	10.141	0.803	1.882	0
11/15/2023@03:30:00.000 AM	100	1.396	4.682	10.776	0.783	1.889	0.342

11/15/2023@03:40:00.000 AM	100	1.014	5.3	9.166	0.826	1.874	0
11/15/2023@03:50:00.000 AM	100	1.163	5.193	9.074	0.937	2.002	0
11/15/2023@04:00:00.000 AM	100	1.344	5.607	8.873	0.857	1.784	0
11/15/2023@04:10:00.000 AM	100	1.337	4.62	10.391	1.025	1.972	0
11/15/2023@04:20:00.000 AM	100	1.728	4.579	11.311	1.188	2.046	0
11/15/2023@04:30:00.000 AM	100	1.331	4.096	11.675	0.74	2.146	0
11/15/2023@04:40:00.000 AM	100	0.895	4.774	10.334	0	2.111	0
11/15/2023@04:50:00.000 AM	100	1.333	4.926	9.904	0.89	1.982	0
11/15/2023@05:00:00.000 AM	100	1.895	5.177	10.011	1.433	2.141	0
11/15/2023@05:10:00.000 AM	100	1.438	4.051	11.408	0.66	2.186	0
11/15/2023@05:20:00.000 AM	100	1.382	3.859	11.28	0.827	2.155	0
11/15/2023@05:30:00.000 AM	100	1.616	4.502	10.847	1.105	2.098	0.302
11/15/2023@05:40:00.000 AM	100	1.574	3.978	10.938	0.874	2.12	0
11/15/2023@05:50:00.000 AM	100	1.59	4.75	10.008	0.778	2.075	0
11/15/2023@06:00:00.000 AM	100	1.341	5.195	8.929	0.561	2.025	0
11/15/2023@06:10:00.000 AM	100	1.416	5.299	8.376	2.175	1.454	0.564

11/15/2023@06:20:00.000 AM	100	1.65	4.996	9.3	2.446	1.656	0.511
11/15/2023@06:30:00.000 AM	100	1.516	4.55	10.555	1.528	2.073	0.364
11/15/2023@06:40:00.000 AM	100	1.517	4.236	11.1	1.412	2.231	0.336
11/15/2023@06:50:00.000 AM	100	1.259	4.336	11.122	1.028	2.353	0
11/15/2023@07:00:00.000 AM	100	1.293	4.677	10.447	0.789	2.078	0
11/15/2023@07:10:00.000 AM	100	1.462	5.254	9.479	0.864	1.894	0
11/15/2023@07:20:00.000 AM	100	1.712	5.161	9.134	1.224	2.313	0
11/15/2023@07:30:00.000 AM	100	1.639	5.264	9.426	2.028	1.737	0.432
11/15/2023@07:40:00.000 AM	100	1.701	4.979	10.674	0.956	2.223	0
11/15/2023@07:50:00.000 AM	100	1.298	5.193	10.549	0.853	2.049	0.34
11/15/2023@08:00:00.000 AM	100	0.995	5.585	10.299	0	2.03	0
11/15/2023@08:10:00.000 AM	100	1.361	6.74	9.692	0.795	1.979	0
11/15/2023@08:20:00.000 AM	100	1.285	7.068	8.904	0.578	1.917	0
11/15/2023@08:30:00.000 AM	100	1.242	6.238	10.308	0.696	1.887	0
11/15/2023@08:40:00.000 AM	100	1.172	6.459	9.667	0.815	1.876	0
11/15/2023@08:50:00.000 AM	100	1.196	5.906	10.372	0.319	2.16	0

11/15/2023@09:00:00.000 AM	100	1.293	6.446	9.818	0.856	1.783	0
11/15/2023@09:10:00.000 AM	100	1.277	7.156	8.662	1.981	1.673	0
11/15/2023@09:20:00.000 AM	100	0.937	6.858	9.247	0.435	1.747	0
11/15/2023@09:30:00.000 AM	100	0.786	6.889	8.693	0.935	1.603	0.503
11/15/2023@09:40:00.000 AM	100	0.775	6.515	9.648	1.033	1.965	0
11/15/2023@09:50:00.000 AM	100	1.224	6.501	9.084	1.109	1.794	0
11/15/2023@10:00:00.000 AM	100	1.292	7.881	9.434	1.904	2.299	0.86
11/15/2023@10:10:00.000 AM	100	0	7.962	7.795	1.932	0.721	0.388
11/15/2023@10:20:00.000 AM	100	1.093	7.901	9.079	0.886	2.008	0
11/15/2023@10:30:00.000 AM	100	0.937	8.11	8.301	2.935	1.215	0.673
11/15/2023@10:40:00.000 AM	100	0.928	8.578	8.185	0.647	1.49	0.564
11/15/2023@10:50:00.000 AM	100	1.148	8.118	8.915	1.023	1.826	0.342
11/15/2023@11:00:00.000 AM	100	0.98	7.232	9.143	0.602	1.868	0
11/15/2023@11:10:00.000 AM	100	0.834	6.847	9.567	0.536	1.772	0
11/15/2023@11:20:00.000 AM	100	0.865	7.3	8.841	1.76	1.334	0.702
11/15/2023@11:30:00.000 AM	100	0.842	7.53	8.502	1.586	1.837	0

11/15/2023@11:40:00.000 AM	100	0.517	7.704	8.46	2.143	1.789	0.46
11/15/2023@11:50:00.000 AM	100	0.812	7.942	7.947	0.505	1.413	0.43
11/15/2023@12:00:00.000 PM	100	0.84	7.744	7.478	0.783	1.763	0.468
11/15/2023@12:10:00.000 PM	100	0.769	7.719	7.629	2.232	1.107	0.472
11/15/2023@12:20:00.000 PM	100	0.865	7.396	7.172	2.493	1.04	0.315
11/15/2023@12:30:00.000 PM	100	0.789	7.319	7.866	0.611	1.672	0.362
11/15/2023@12:40:00.000 PM	100	0.771	7.064	7.685	2.181	1.384	0.423
11/15/2023@12:50:00.000 PM	100	0.749	6.763	9.102	0.523	1.813	0
11/15/2023@01:00:00.000 PM	100	0.895	6.944	9.753	0.587	1.953	0.309
11/15/2023@01:10:00.000 PM	100	0.617	6.826	9.859	0.383	1.773	0
11/15/2023@01:20:00.000 PM	100	0.606	7.422	8.618	0.917	1.784	0.317
11/15/2023@01:30:00.000 PM	100	0.579	7.717	8.521	0.413	1.786	0.378
11/15/2023@01:40:00.000 PM	100	0.652	7.819	7.886	0.446	1.568	0.514
11/15/2023@01:50:00.000 PM	100	0.647	7.731	8.452	0.404	1.676	0.333
11/15/2023@02:00:00.000 PM	100	0.948	7.63	9.359	0.699	1.853	0
11/15/2023@02:10:00.000 PM	100	0.701	7.49	9.245	0.387	2.11	0

11/15/2023@02:20:00.000 PM	100	0.605	7.943	7.297	3.604	0.82	0
11/15/2023@02:30:00.000 PM	100	0.626	8.181	8.104	0	1.406	0.437
11/15/2023@02:40:00.000 PM	100	0.543	7.501	9.447	0.351	1.785	0
11/15/2023@02:50:00.000 PM	100	0.618	7.246	10.067	0	2.01	0
11/15/2023@03:00:00.000 PM	100	0.661	7.36	9.562	0	1.942	0.442
11/15/2023@03:10:00.000 PM	100	0.889	8.15	7.732	0.725	1.459	0.59
11/15/2023@03:20:00.000 PM	100	0.656	8.037	7.804	0.436	1.472	0.475
11/15/2023@03:30:00.000 PM	100	0.862	7.808	7.511	0.39	1.54	0.534
11/15/2023@03:40:00.000 PM	100	0.513	7.254	9.168	0	2.056	0.383
11/15/2023@03:50:00.000 PM	100	0.787	7.389	9.362	0.312	2.03	0
11/15/2023@04:00:00.000 PM	100	0.708	7.608	8.395	0	1.784	0.332
11/15/2023@04:10:00.000 PM	100	0.664	7.404	8.686	0	1.957	0.371
11/15/2023@04:20:00.000 PM	100	0.517	7.73	8.467	1.643	1.382	0.31
11/15/2023@04:30:00.000 PM	100	0.872	7.488	8.816	0.511	1.994	0
11/15/2023@04:40:00.000 PM	100	0.958	8.113	7.488	0.666	1.664	0.462
11/15/2023@04:50:00.000 PM	100	0.7	8.577	6.249	3.135	1.356	0

11/15/2023@05:00:00.000 PM	100	0.768	8.357	7.295	0.662	1.419	0.51
11/15/2023@05:10:00.000 PM	100	1.031	7.938	7.966	0.535	1.695	0.606
11/15/2023@05:20:00.000 PM	100	0.874	7.755	8.476	0.71	1.671	0.483
11/15/2023@05:30:00.000 PM	100	1.062	10.521	16.437	0.483	3.237	0.367
11/15/2023@05:40:00.000 PM	100	1.029	7.169	10.489	0.739	2.437	0
11/15/2023@05:50:00.000 PM	100	0.891	7.412	9.526	1.757	1.739	0
11/15/2023@06:00:00.000 PM	100	0.934	7.641	11.011	1.584	2.312	0.366
11/15/2023@06:10:00.000 PM	100	1.196	7.771	9.423	2.247	1.964	0.34
11/15/2023@06:20:00.000 PM	100	0.974	8.687	8.26	2.401	1.786	0.523
11/15/2023@06:30:00.000 PM	100	1.212	8.3	9.163	0.68	1.995	0.325
11/15/2023@06:40:00.000 PM	100	1.159	7.32	9.168	0.608	2.088	0
11/15/2023@06:50:00.000 PM	100	1.127	6.923	10.096	0	2.304	0.324
11/15/2023@07:00:00.000 PM	100	1.071	7.405	9.188	0.476	1.783	0
11/15/2023@07:10:00.000 PM	100	1.302	7.587	9.369	1.888	1.706	0.364
11/15/2023@07:20:00.000 PM	100	1.039	7.699	8.972	0.322	1.661	0.346
11/15/2023@07:30:00.000 PM	100	1.222	8.423	8.997	0.34	1.712	0.494

11/15/2023@07:40:00.000 PM	100	1.109	8.358	8.712	0.727	2.064	0
11/15/2023@07:50:00.000 PM	100	1.048	7.226	10.669	0.876	2.232	0
11/15/2023@08:00:00.000 PM	100	0.926	6.957	9.247	1.092	1.969	0
11/15/2023@08:10:00.000 PM	100	0.546	7.082	8.151	4.444	0.88	0.499
11/15/2023@08:20:00.000 PM	100	1.128	7.339	9.041	0.94	1.921	0
11/15/2023@08:30:00.000 PM	100	0.835	7.898	6.823	1.115	1.9	0
11/15/2023@08:40:00.000 PM	100	1.041	7.37	7.775	0.758	1.933	0
11/15/2023@08:50:00.000 PM	100	1.409	7.095	8.501	1.034	1.78	0
11/15/2023@09:00:00.000 PM	100	1.243	7.271	8.444	0.946	1.693	0
11/15/2023@09:10:00.000 PM	100	0.77	7.379	8.055	0.951	1.767	0
11/15/2023@09:20:00.000 PM	100	1.238	8.314	6.79	1.1	1.615	0
11/15/2023@09:30:00.000 PM	100	0.749	8.564	6.991	0.575	1.704	0
11/15/2023@09:40:00.000 PM	100	0.712	8.11	7.287	1.843	1.013	0.597
11/15/2023@09:50:00.000 PM	100	0.908	7.451	8.913	0	1.938	0.348
11/15/2023@10:00:00.000 PM	100	1.304	7.415	8.819	0.852	1.892	0
11/15/2023@10:10:00.000 PM	100	0.898	7.574	8.686	1.056	2.016	0

11/15/2023@10:20:00.000 PM	100	0.871	8.067	7.381	0.467	1.622	0.306
11/15/2023@10:30:00.000 PM	100	0.953	8.305	7.013	0.59	1.604	0.33
11/15/2023@10:40:00.000 PM	100	0.866	7.732	7.588	2.782	1.213	0.36
11/15/2023@10:50:00.000 PM	100	0.92	7.177	9.069	0.561	1.881	0
11/15/2023@11:00:00.000 PM	100	1.301	7.21	8.764	0.62	1.859	0
11/15/2023@11:10:00.000 PM	100	1.029	7.925	8.473	0.767	1.619	0
11/15/2023@11:20:00.000 PM	100	0.98	8.314	6.841	0.735	1.462	0
11/15/2023@11:30:00.000 PM	100	1.067	7.611	7.545	0.942	1.897	0
11/15/2023@11:40:00.000 PM	100	1.092	7.12	8.804	1.447	1.614	0
11/15/2023@11:50:00.000 PM	100	0.902	6.39	8.307	0.824	1.439	0
11/16/2023@12:00:00.000 AM	100	0.807	7.762	7.004	1.218	1.26	0
11/16/2023@12:10:00.000 AM	100	1.034	7.504	6.045	0.797	1.002	0
11/16/2023@12:20:00.000 AM	100	0.91	8.364	6.081	0.775	1.163	0
11/16/2023@12:30:00.000 AM	100	0.777	7.346	8.026	0.661	1.127	0
11/16/2023@12:40:00.000 AM	100	1.336	6.688	8.952	0.57	1.291	0
11/16/2023@12:50:00.000 AM	100	0.854	6.994	8.611	0.629	1.318	0

11/16/2023@01:00:00.000 AM	100	1.147	7.351	8.384	0.615	1.341	0
11/16/2023@01:10:00.000 AM	100	1.06	8.074	5.838	0.944	1.037	0
11/16/2023@01:20:00.000 AM	100	1.015	7.948	6.943	1.092	1.095	0.328
11/16/2023@01:30:00.000 AM	100	1.114	7.355	8.297	1.061	1.025	0.394
11/16/2023@01:40:00.000 AM	100	1.176	7.022	8.748	1.005	1.321	0
11/16/2023@01:50:00.000 AM	100	0.947	6.623	8.508	0.689	1.147	0.368
11/16/2023@02:00:00.000 AM	100	1.162	7.456	8.386	0.926	1.466	0.472
11/16/2023@02:10:00.000 AM	100	1.114	7.42	7.71	0.847	1.229	0
11/16/2023@02:20:00.000 AM	100	1.642	7.12	8.854	1.473	1.116	0.414
11/16/2023@02:30:00.000 AM	100	1.229	6.695	9.494	1.112	1.298	0.531
11/16/2023@02:40:00.000 AM	100	1.096	6.484	9.085	0.793	1.179	0.578
11/16/2023@02:50:00.000 AM	100	0.903	7.395	6.749	0.737	0.919	0.366
11/16/2023@03:00:00.000 AM	100	1.001	7.121	6.689	0.891	0.78	0.308
11/16/2023@03:10:00.000 AM	100	0.92	6.319	8.471	0.878	1.161	0.452
11/16/2023@03:20:00.000 AM	100	0.838	5.779	8.673	0.538	1.343	0.519
11/16/2023@03:30:00.000 AM	100	1.169	6.205	9.487	0.571	1.326	0.605

11/16/2023@03:40:00.000 AM	100	0.762	6.666	8.471	0.68	1.052	0.435
11/16/2023@03:50:00.000 AM	100	1.281	6.674	8.315	0.799	1.297	0
11/16/2023@04:00:00.000 AM	100	1.193	6.603	8.539	1.019	1.139	0.423
11/16/2023@04:10:00.000 AM	100	1.194	6.242	8.695	0.885	1.177	0.476
11/16/2023@04:20:00.000 AM	100	0.996	6.037	9.308	0.842	1.581	0.531
11/16/2023@04:30:00.000 AM	100	1.117	6.268	8.496	0.46	1.397	0.382
11/16/2023@04:40:00.000 AM	100	1.087	6.72	7.925	1.249	1.109	0.328
11/16/2023@04:50:00.000 AM	100	0.996	7.301	7.852	1.065	1.383	0.363
11/16/2023@05:00:00.000 AM	100	1.121	6.954	7.806	0.873	1.163	0.373
11/16/2023@05:10:00.000 AM	100	1.251	6.094	9.178	0.831	1.19	0.433
11/16/2023@05:20:00.000 AM	100	0.911	5.793	8.688	1.936	1.218	0.83
11/16/2023@05:30:00.000 AM	100	0.834	6.116	8.779	0.845	1.377	0.564
11/16/2023@05:40:00.000 AM	100	1.695	6.701	7.944	1.214	1.084	0.377
11/16/2023@05:50:00.000 AM	100	1.009	6.929	7.53	0.818	1.122	0.357
11/16/2023@06:00:00.000 AM	100	1.06	6.358	8.581	0.58	1.163	0.474
11/16/2023@06:10:00.000 AM	100	1.035	5.895	9.139	0.675	1.271	0.596

11/16/2023@06:20:00.000 AM	100	1.106	6.008	8.988	0.617	1.26	0.556
11/16/2023@06:30:00.000 AM	100	1.231	6.74	8.121	0	1.374	0.408
11/16/2023@06:40:00.000 AM	100	1.338	6.865	7.405	0.932	0.998	0.337
11/16/2023@06:50:00.000 AM	100	1.095	6.378	8.389	0.926	1.385	0.344
11/16/2023@07:00:00.000 AM	100	1.136	6.21	9.103	0.463	1.38	0.413
11/16/2023@07:10:00.000 AM	100	0.891	6.256	8.472	0.61	1.492	0.513
11/16/2023@07:20:00.000 AM	100	0.945	6.362	8.401	0	1.199	0.473
11/16/2023@07:30:00.000 AM	100	0.845	7.163	7.362	1.626	1.14	0.512
11/16/2023@07:40:00.000 AM	100	1.245	6.52	8.129	0.823	1.071	0.418
11/16/2023@07:50:00.000 AM	100	1.281	6.466	8.268	0.866	1.375	0.526
11/16/2023@08:00:00.000 AM	100	0.861	6.335	8.571	0.617	1.495	0.487
11/16/2023@08:10:00.000 AM	100	0.923	7.529	7.028	0.637	1.498	0.335
11/16/2023@08:20:00.000 AM	100	0.739	7.186	6.414	0	1.403	0
11/16/2023@08:30:00.000 AM	100	0.995	7.19	6.726	0.862	1.277	0.35
11/16/2023@08:40:00.000 AM	100	0.911	6.975	6.883	0.701	1.11	0.367
11/16/2023@08:50:00.000 AM	100	0.807	6.823	7.632	0.842	1.194	0.449

11/16/2023@09:00:00.000 AM	100	0.326	7.239	7.39	1.779	1.134	0
11/16/2023@09:10:00.000 AM	100	0.873	7.507	7.401	2.29	1.578	0.408
11/16/2023@09:20:00.000 AM	100	0.802	7.09	8.645	0.846	1.583	0
11/16/2023@09:30:00.000 AM	100	0.757	7.001	9.295	1	1.709	0
11/16/2023@09:40:00.000 AM	100	0.725	6.637	10.249	1.048	1.961	0
11/16/2023@09:50:00.000 AM	100	0.55	7.019	9.788	1.024	1.845	0.401
11/16/2023@10:00:00.000 AM	100	0.73	8.026	9.462	1.163	2.19	0.837
11/16/2023@10:10:00.000 AM	100	0.945	7.879	8.794	1.418	1.527	0
11/16/2023@10:20:00.000 AM	100	0.942	7.142	9.653	0.77	1.929	0.314
11/16/2023@10:30:00.000 AM	100	0.895	7.255	9.377	2.184	1.441	0.336
11/16/2023@10:40:00.000 AM	100	0.91	6.852	10.563	0.445	2.241	0
11/16/2023@10:50:00.000 AM	100	0.689	7.626	9.407	0.447	2.249	0.358
11/16/2023@11:00:00.000 AM	100	0.728	7.614	9.015	1.095	2.021	0.553
11/16/2023@11:10:00.000 AM	100	0.911	6.901	10.009	0	2.562	0.59
11/16/2023@11:20:00.000 AM	100	1.113	7.448	9.329	1.83	1.775	0.499
11/16/2023@11:30:00.000 AM	100	0.714	6.765	10.27	0.387	2.296	0

11/16/2023@11:40:00.000 AM	100	0.75	7.165	10.795	0.548	2.662	0.414
11/16/2023@11:50:00.000 AM	100	0.857	7.494	10.197	0.466	2.611	0.392
11/16/2023@12:00:00.000 PM	100	0.697	7.763	10.949	0.577	2.699	0.381
11/16/2023@12:10:00.000 PM	100	0.839	7.664	10.134	0.446	2.172	0.333
11/16/2023@12:20:00.000 PM	100	0.791	7.551	8.947	1.737	1.685	0.551
11/16/2023@12:30:00.000 PM	100	0.852	6.593	10.614	3.599	3.474	1.116
11/16/2023@12:40:00.000 PM	100	0.944	6.972	9.906	2.564	3.103	0.846
11/16/2023@12:50:00.000 PM	100	1.697	7.974	8.852	0.629	1.67	0.449
11/16/2023@01:00:00.000 PM	100	1.464	7.748	8.624	1.188	1.986	0
11/16/2023@01:10:00.000 PM	100	0.687	6.786	9.3	1.21	1.799	0
11/16/2023@01:20:00.000 PM	100	0.955	6.897	9.859	1.082	2.24	0
11/16/2023@01:30:00.000 PM	100	0.824	6.711	11.347	0.675	2.161	0
11/16/2023@01:40:00.000 PM	100	0.777	7.274	10.109	0.349	1.927	0
11/16/2023@01:50:00.000 PM	100	0.708	7.866	8.825	0	1.879	0.502
11/16/2023@02:00:00.000 PM	100	0.844	7.336	10.337	0.552	2.209	0.324
11/16/2023@02:10:00.000 PM	100	0.942	7.444	10.126	1.622	1.956	0.351

11/16/2023@02:20:00.000 PM	100	0.943	7.452	9.61	0.754	2.279	0
11/16/2023@02:30:00.000 PM	100	0.603	7.298	9.605	0	2.255	0
11/16/2023@02:40:00.000 PM	100	0.651	7.775	7.95	0	1.889	0.451
11/16/2023@02:50:00.000 PM	100	0.639	7.922	9.086	1.106	1.79	0.385
11/16/2023@03:00:00.000 PM	100	0.861	7.169	9.363	0.376	2.057	0.39
11/16/2023@03:10:00.000 PM	100	0.875	7.116	9.826	1.287	1.649	0.37
11/16/2023@03:20:00.000 PM	100	0.897	7.288	8.622	1.361	1.784	0.556
11/16/2023@03:30:00.000 PM	100	0.575	7.169	9.602	0	2.088	0.328
11/16/2023@03:40:00.000 PM	100	0	6.893	9.742	0.325	1.827	0
11/16/2023@03:50:00.000 PM	100	0.781	7.072	10	0.471	2.182	0
11/16/2023@04:00:00.000 PM	100	0.746	7.8	8.264	0.426	1.742	0.416
11/16/2023@04:10:00.000 PM	100	0.655	7.346	8.929	0	1.912	0.341
11/16/2023@04:20:00.000 PM	100	0.654	7.421	8.693	0.374	1.979	0.516
11/16/2023@04:30:00.000 PM	100	0.514	7.493	9.423	0.903	1.906	0.346
11/16/2023@04:40:00.000 PM	100	0.658	6.532	10.135	0	2.355	0
11/16/2023@04:50:00.000 PM	100	0.521	7.273	9.009	1.736	1.717	0.484

11/16/2023@05:00:00.000 PM	100	0.554	7.191	8.933	2.56	1.475	0
11/16/2023@05:10:00.000 PM	100	0.589	7.226	9.774	0.526	1.945	0.447
11/16/2023@05:20:00.000 PM	100	0.7	6.872	10.77	0.637	2.391	0.323
11/16/2023@05:30:00.000 PM	100	0.659	7.044	10.783	0.776	2.288	0
11/16/2023@05:40:00.000 PM	100	0.585	7.302	10.301	0.639	2.219	0.345
11/16/2023@05:50:00.000 PM	100	0.775	7.08	10.008	0.536	2.383	0.395
11/16/2023@06:00:00.000 PM	100	0.792	7.094	10.83	0.41	2.569	0
11/16/2023@06:10:00.000 PM	100	0.936	7.415	9.134	1.218	1.796	0.396
11/16/2023@06:20:00.000 PM	100	0.858	7.794	8.374	2.164	1.6	0.49
11/16/2023@06:30:00.000 PM	100	0.96	7.351	8.658	0.426	1.622	0.376
11/16/2023@06:40:00.000 PM	100	0.802	6.95	7.877	0.347	1.463	0
11/16/2023@06:50:00.000 PM	100	0.909	6.687	8.542	0.668	1.524	0
11/16/2023@07:00:00.000 PM	100	0.949	6.623	8.803	0.424	1.642	0
11/16/2023@07:10:00.000 PM	100	0.978	7.217	7.311	0.677	1.746	0
11/16/2023@07:20:00.000 PM	100	0.647	7.146	7.168	0.637	1.725	0
11/16/2023@07:30:00.000 PM	100	0.541	8.08	6.701	0.595	1.739	0

11/16/2023@07:40:00.000 PM	100	0.902	7.982	7.09	0.884	1.727	0
11/16/2023@07:50:00.000 PM	100	1.509	9.412	9.864	1.645	10.322	1.223
11/16/2023@08:00:00.000 PM	100	1.549	7.147	7.517	0.476	6.18	0.536
11/16/2023@08:10:00.000 PM	100	2.018	9.014	10.499	1.481	8.827	1.329
11/16/2023@08:20:00.000 PM	100	1.262	8.727	8.838	0.785	6.532	0.545
11/16/2023@08:30:00.000 PM	100	1.187	7.317	5.802	0.424	4.697	0.743
11/16/2023@08:40:00.000 PM	100	0.778	5.929	4.438	0.688	3.033	0.869
11/16/2023@08:50:00.000 PM	100	1.317	7.57	10.121	2.075	2.131	0.403
11/16/2023@09:00:00.000 PM	100	1.495	7.204	8.578	0.91	1.522	0
11/16/2023@09:10:00.000 PM	100	1.086	7.36	8.126	1.507	1.587	0
11/16/2023@09:20:00.000 PM	100	0.942	7.768	8.789	2.735	1.221	0.541
11/16/2023@09:30:00.000 PM	100	0.939	7.902	8.23	1.033	1.677	0
11/16/2023@09:40:00.000 PM	100	0.969	7.85	8.129	0.884	1.489	0
11/16/2023@09:50:00.000 PM	100	1.018	8.333	7.801	0.649	1.887	0
11/16/2023@10:00:00.000 PM	100	0.833	8.081	7.916	0.522	1.698	0
11/16/2023@10:10:00.000 PM	100	0.967	7.212	9.376	0.775	1.885	0

11/16/2023@10:20:00.000 PM	100	0.804	7.353	8.118	0.706	1.613	0
11/16/2023@10:30:00.000 PM	100	0.998	7.644	7.541	0.588	1.689	0
11/16/2023@10:40:00.000 PM	100	0.89	7.839	6.521	1.322	1.808	0
11/16/2023@10:50:00.000 PM	100	0.777	6.633	8.452	0.845	1.732	0
11/16/2023@11:00:00.000 PM	100	1.105	7.018	8.093	0.631	1.401	0
11/16/2023@11:10:00.000 PM	100	1.049	6.968	8.073	0.514	1.713	0
11/16/2023@11:20:00.000 PM	100	0.688	7.75	6.711	0.431	1.765	0
11/16/2023@11:30:00.000 PM	100	0.799	7.723	6.694	1.223	1.678	0.398
11/16/2023@11:40:00.000 PM	100	1.254	10.608	12.03	2.161	2.17	0
11/16/2023@11:50:00.000 PM	100	1.258	7.617	8.909	1.322	1.719	0
11/17/2023@12:00:00.000 AM	100	0.884	8.282	7.12	0.324	1.253	0
11/17/2023@12:10:00.000 AM	100	0.925	8.849	6.366	0.725	0.994	0
11/17/2023@12:20:00.000 AM	100	1.034	8.322	6.973	0.748	0.829	0
11/17/2023@12:30:00.000 AM	100	0.803	8.228	7.308	0.589	1.3	0
11/17/2023@12:40:00.000 AM	100	0.522	7.556	7.406	1	1.479	0
11/17/2023@12:50:00.000 AM	100	0.716	8.287	6.709	0.565	1.039	0

11/17/2023@01:00:00.000 AM	100	0.741	7.627	6.412	0.621	0.961	0
11/17/2023@01:10:00.000 AM	100	0.923	7.534	6.586	0.764	0.714	0
11/17/2023@01:20:00.000 AM	100	0.933	7.562	6.041	0.841	1.001	0
11/17/2023@01:30:00.000 AM	100	0.857	8.018	6.053	0.382	0.926	0
11/17/2023@01:40:00.000 AM	100	0.859	7.555	5.875	0.523	0.977	0
11/17/2023@01:50:00.000 AM	100	0.756	7.51	6.578	0.412	0.865	0
11/17/2023@02:00:00.000 AM	100	0.87	7.217	6.592	0.804	0.836	0
11/17/2023@02:10:00.000 AM	100	0.953	7.609	7.562	0.89	0.985	0
11/17/2023@02:20:00.000 AM	100	0.81	7.161	7.944	0.675	1.085	0
11/17/2023@02:30:00.000 AM	100	0.839	7.28	7.308	0.56	1.029	0
11/17/2023@02:40:00.000 AM	100	0.798	7.696	6.685	2.051	0.72	0.403
11/17/2023@02:50:00.000 AM	100	1.126	6.475	7.923	0.518	1.011	0
11/17/2023@03:00:00.000 AM	100	1.195	7.457	6.925	0.726	0.955	0
11/17/2023@03:10:00.000 AM	100	0.879	7.305	7.474	0.475	0.819	0
11/17/2023@03:20:00.000 AM	100	0.628	7.135	7.716	0.507	1.006	0
11/17/2023@03:30:00.000 AM	100	0.62	7.082	7.081	0.52	0.865	0

11/17/2023@03:40:00.000 AM	100	0.426	6.686	7.204	0.342	0.906	0.336
11/17/2023@03:50:00.000 AM	100	0.735	6.35	7.166	0.392	0.786	0
11/17/2023@04:00:00.000 AM	100	0.642	6.13	6.895	1.324	0.753	0.441
11/17/2023@04:10:00.000 AM	100	0.727	6.474	7.098	1.214	0.712	0.348
11/17/2023@04:20:00.000 AM	100	0.83	6.584	6.847	0.546	0.872	0.33
11/17/2023@04:30:00.000 AM	100	0.738	6.518	6.871	0	0.882	0.335
11/17/2023@04:40:00.000 AM	100	0.829	5.927	7.853	0.579	1.068	0.354
11/17/2023@04:50:00.000 AM	100	1.125	5.971	7.662	0.364	0.885	0.307
11/17/2023@05:00:00.000 AM	100	0.975	5.66	8.21	0.385	0.808	0.366
11/17/2023@05:10:00.000 AM	100	1.116	6.131	6.92	0.424	0.825	0
11/17/2023@05:20:00.000 AM	100	1.023	6.579	7.931	0.516	0.923	0.325
11/17/2023@05:30:00.000 AM	100	1.174	6.145	9.523	0.615	0.808	0.531
11/17/2023@05:40:00.000 AM	100	0.967	6.38	8.857	0.595	1.028	0.607
11/17/2023@05:50:00.000 AM	100	1.836	6.322	8.683	0.956	0.974	0.424
11/17/2023@06:00:00.000 AM	100	1.76	6.513	7.71	0.848	1.147	0.442
11/17/2023@06:10:00.000 AM	100	0.949	6.669	7.073	1.083	1.086	0

11/17/2023@06:20:00.000 AM	100	0.99	5.93	8.066	1.522	0.919	1.034
11/17/2023@06:30:00.000 AM	100	1.012	5.842	8.597	2.082	0.957	1.081
11/17/2023@06:40:00.000 AM	100	0.83	5.176	8.667	0.693	1.105	0.483
11/17/2023@06:50:00.000 AM	100	1.159	6.358	7.084	1.052	0.916	0
11/17/2023@07:00:00.000 AM	100	0.893	6.764	6.565	0.945	0.905	0
11/17/2023@07:10:00.000 AM	100	1.061	6.344	8.042	0.528	1.211	0.356
11/17/2023@07:20:00.000 AM	100	0.948	5.972	7.794	0.622	1.185	0.466
11/17/2023@07:30:00.000 AM	100	0.956	5.765	8.055	0.417	1.027	0.476
11/17/2023@07:40:00.000 AM	100	0.666	6.308	6.67	1.965	0.784	0.473
11/17/2023@07:50:00.000 AM	100	1.009	7.228	5.647	1.425	1.089	0
11/17/2023@08:00:00.000 AM	100	0.832	6.77	7.394	0.5	1.137	0
11/17/2023@08:10:00.000 AM	100	0.832	6.113	7.488	0	1.259	0.321
11/17/2023@08:20:00.000 AM	100	0.887	6.42	6.906	0	1.301	0.333
11/17/2023@08:30:00.000 AM	100	0.586	6.908	6.218	0.472	1.109	0
11/17/2023@08:40:00.000 AM	100	0.841	7.503	5.664	0.462	1.071	0
11/17/2023@08:50:00.000 AM	100	0.967	7.42	7.129	0.623	1.039	0.404

11/17/2023@09:00:00.000 AM	100	1.105	6.787	8	1.272	1.11	0.447
11/17/2023@09:10:00.000 AM	100	0.766	6.997	8.583	0.359	1.662	0.657
11/17/2023@09:20:00.000 AM	100	0.884	7.358	7.654	0.614	1.698	0.372
11/17/2023@09:30:00.000 AM	100	1.101	7.204	8.024	1.228	1.952	0.401
11/17/2023@09:40:00.000 AM	100	0.917	7.272	7.755	0.813	1.905	0.402
11/17/2023@09:50:00.000 AM	100	1.211	6.701	8.725	0.91	2.099	0.35
11/17/2023@10:00:00.000 AM	100	1.148	8.178	6.75	0.904	2.115	0
11/17/2023@10:10:00.000 AM	100	0.815	8.515	5.733	0.863	1.648	0
11/17/2023@10:20:00.000 AM	100	0.873	7.553	9.144	0.827	2.914	0
11/17/2023@10:30:00.000 AM	100	0.83	7.837	6.918	3.115	2.246	0
11/17/2023@10:40:00.000 AM	100	0.779	7.287	8.029	1.549	1.454	0
11/17/2023@10:50:00.000 AM	100	0.885	6.513	8.985	0.469	2.392	0
11/17/2023@11:00:00.000 AM	100	0.749	6.83	8.445	1.429	1.781	0
11/17/2023@11:10:00.000 AM	100	1.256	6.804	9.169	0.5	2.489	0
11/17/2023@11:20:00.000 AM	100	0.77	7.51	7.359	1.6	1.869	0
11/17/2023@11:30:00.000 AM	100	0.733	7.062	8.177	0.348	2.211	0

11/17/2023@11:40:00.000 AM	100	1.101	9.145	10.113	0.46	2.679	0
11/17/2023@11:50:00.000 AM	100	0.822	6.482	8.9	0.532	2.574	0
11/17/2023@12:00:00.000 PM	100	1.268	6.908	7.951	0.352	2.14	0
11/17/2023@12:10:00.000 PM	100	0.89	7.182	7.665	0	2.088	0
11/17/2023@12:20:00.000 PM	100	0.765	7.7	6.984	1.385	1.732	0.321
11/17/2023@12:30:00.000 PM	100	0.731	7.367	8.127	0.527	2.43	0
11/17/2023@12:40:00.000 PM	100	0.928	7.679	7.578	0.315	1.987	0.308
11/17/2023@12:50:00.000 PM	100	0.842	7.632	8.764	0.341	2.268	0
11/17/2023@01:00:00.000 PM	100	0.938	7.209	9.855	1.22	2.51	0
11/17/2023@01:10:00.000 PM	100	0.817	7.23	9.971	0.377	2.629	0
11/17/2023@01:20:00.000 PM	100	0.752	8.146	9.451	0.608	2.492	0
11/17/2023@01:30:00.000 PM	100	0.823	8.151	10.388	0.58	2.843	0
11/17/2023@01:40:00.000 PM	100	0.709	7.883	11.152	0.631	3.057	0
11/17/2023@01:50:00.000 PM	100	0.974	8.601	10.391	0.417	3.014	0
11/17/2023@02:00:00.000 PM	100	0.811	8.331	11.363	1.116	3.249	0
11/17/2023@02:10:00.000 PM	100	0.868	8.146	10.194	3.492	1.817	0.363

11/17/2023@02:20:00.000 PM	100	0.751	8.78	10.919	1.395	2.97	0
11/17/2023@02:30:00.000 PM	100	0.728	8.958	10.764	0.353	2.619	0
11/17/2023@02:40:00.000 PM	100	0.664	8.192	10.121	0.653	2.734	0
11/17/2023@02:50:00.000 PM	100	0.937	8.494	9.853	0.516	2.862	0
11/17/2023@03:00:00.000 PM	100	0.506	8.039	9.039	0.352	2.836	0
11/17/2023@03:10:00.000 PM	100	0.353	8.228	7.745	3.762	2.932	0
11/17/2023@03:20:00.000 PM	100	0.89	8.008	7.71	0.846	2.004	0
11/17/2023@03:30:00.000 PM	100	0.484	7.646	9.025	0	2.485	0
11/17/2023@03:40:00.000 PM	100	0.394	8.098	9.28	1.677	2.277	0.422
11/17/2023@03:50:00.000 PM	100	0.4	7.44	8.977	1.972	1.625	0.372
11/17/2023@04:00:00.000 PM	100	0.532	7.825	8.056	1.655	1.692	0
11/17/2023@04:10:00.000 PM	100	0.635	7.702	8.068	0.402	1.752	0.649
11/17/2023@04:20:00.000 PM	100	0.391	8.139	7.041	1.931	1.288	0.509
11/17/2023@04:30:00.000 PM	100	0.673	8.112	8.386	0.521	2.016	0.591
11/17/2023@04:40:00.000 PM	100	0.69	7.648	8.196	0	2.174	0.762
11/17/2023@04:50:00.000 PM	100	0.611	7.078	8.405	1.183	2.055	0.496

11/17/2023@05:00:00.000 PM	100	0.585	8.106	7.172	3.829	1.049	0.653
11/17/2023@05:10:00.000 PM	100	0.315	8.231	6.562	0.494	2.059	0.442
11/17/2023@05:20:00.000 PM	100	0.323	8.811	6.358	0	2.016	0.673
11/17/2023@05:30:00.000 PM	100	0.448	8.16	7.302	0	2.045	0.594
11/17/2023@05:40:00.000 PM	100	0.302	7.8	7.487	0.572	2.083	0.554
11/17/2023@05:50:00.000 PM	100	0.533	8.557	7.689	0.34	2.26	0.567
11/17/2023@06:00:00.000 PM	100	0.487	9.107	5.946	2.335	1.033	0.357
11/17/2023@06:10:00.000 PM	100	0.657	9.153	6.56	0.555	2.35	0.728
11/17/2023@06:20:00.000 PM	100	0.949	8.705	7.011	1.311	2.274	0.552
11/17/2023@06:30:00.000 PM	100	0.77	8.319	7.335	0.376	1.976	0.644
11/17/2023@06:40:00.000 PM	100	0.473	8.8	7.739	0.837	2.101	0.771
11/17/2023@06:50:00.000 PM	100	0.479	8.594	6.849	0.387	1.861	0.549
11/17/2023@07:00:00.000 PM	100	0.72	8.777	7.775	0	1.954	0.534
11/17/2023@07:10:00.000 PM	100	0.548	8.339	7.909	0.343	1.93	0.401
11/17/2023@07:20:00.000 PM	100	0.962	8.333	7.829	0.355	1.978	0.372
11/17/2023@07:30:00.000 PM	100	0.731	8.599	8.133	0	2.01	0.466

11/17/2023@07:40:00.000 PM	100	0.8	8.556	8.549	0	1.999	0.402
11/17/2023@07:50:00.000 PM	100	0.707	8.847	8.576	0	2.31	0.369
11/17/2023@08:00:00.000 PM	100	0.565	8	9.183	0	2.355	0.333
11/17/2023@08:10:00.000 PM	100	1.018	8.619	8.727	1.082	2.293	0.473
11/17/2023@08:20:00.000 PM	100	0	8.801	8.129	0.39	2.036	0.428
11/17/2023@08:30:00.000 PM	100	0.582	9.551	7.252	1.887	1.424	0.383
11/17/2023@08:40:00.000 PM	100	0.825	9.051	7.945	0	2.112	0.466
11/17/2023@08:50:00.000 PM	100	0.939	9.047	7.526	2.264	1.845	0.703
11/17/2023@09:00:00.000 PM	100	0.851	8.309	8.888	0.512	2.18	0
11/17/2023@09:10:00.000 PM	100	0.977	8.179	9.269	1.605	2.127	0.553
11/17/2023@09:20:00.000 PM	100	0.951	7.878	9.265	0.833	2.344	0
11/17/2023@09:30:00.000 PM	100	0.827	8.284	8.807	0.935	2.244	0.342
11/17/2023@09:40:00.000 PM	100	0.923	8.517	9.032	0.904	2.258	0
11/17/2023@09:50:00.000 PM	100	0.918	8.581	8.925	0.999	2.25	0
11/17/2023@10:00:00.000 PM	100	0.772	8.337	9.074	0.654	2.169	0.307
11/17/2023@10:10:00.000 PM	100	1.148	7.749	10.333	0.579	2.466	0

11/17/2023@10:20:00.000 PM	100	0.964	8.067	8.621	1.683	1.772	0
11/17/2023@10:30:00.000 PM	100	0.855	8.365	8.358	1.572	1.413	0.327
11/17/2023@10:40:00.000 PM	100	0.98	8.204	9.632	1.885	2.198	0.405
11/17/2023@10:50:00.000 PM	100	0.861	8.375	8.721	0.555	2.333	0
11/17/2023@11:00:00.000 PM	100	0.877	7.572	9.988	0.597	2.312	0
11/17/2023@11:10:00.000 PM	100	0.917	7.739	8.876	0	2.028	0
11/17/2023@11:20:00.000 PM	100	0.838	8.026	8.598	1.569	1.834	0.361
11/17/2023@11:30:00.000 PM	100	0.701	7.721	9.163	0	2.359	0
11/17/2023@11:40:00.000 PM	100	0.708	8.324	7.358	2.75	0.947	0
11/17/2023@11:50:00.000 PM	100	0.793	8.107	9.04	0.874	1.834	0.374
11/18/2023@12:00:00.000 AM	100	1.356	8.007	8.226	0.621	1.587	0.352
11/18/2023@12:10:00.000 AM	100	1.286	8.474	8.031	0.617	1.817	0
11/18/2023@12:20:00.000 AM	100	1.124	9.54	6.784	0.86	1.15	0
11/18/2023@12:30:00.000 AM	100	0.755	8.78	7.815	0.48	1.168	0
11/18/2023@12:40:00.000 AM	100	0.527	7.616	7.788	0.666	1.319	0
11/18/2023@12:50:00.000 AM	100	0.613	7.823	7.925	0.567	1.36	0.376

11/18/2023@01:00:00.000 AM	100	1.101	7.879	7.909	0.86	1.423	0.34
11/18/2023@01:10:00.000 AM	100	0.436	8.56	7.044	3.307	2.262	0.496
11/18/2023@01:20:00.000 AM	100	0.798	8.432	6.932	1.724	0.841	0.302
11/18/2023@01:30:00.000 AM	100	0.959	7.649	7.113	1.103	0.891	0.373
11/18/2023@01:40:00.000 AM	100	0.953	7.305	7.757	1.276	1.252	0.555
11/18/2023@01:50:00.000 AM	100	0.692	7.693	6.888	0.709	1.218	0.389
11/18/2023@02:00:00.000 AM	100	0.736	7.736	7.17	0.535	1.181	0.367
11/18/2023@02:10:00.000 AM	100	1.221	7.476	8.152	1.172	1.169	0.362
11/18/2023@02:20:00.000 AM	100	1.509	7.501	7.969	1.415	1.183	0.449
11/18/2023@02:30:00.000 AM	100	1.25	6.853	8.68	0.86	1.331	0.485
11/18/2023@02:40:00.000 AM	100	1.118	7.229	7.093	0.813	1.224	0
11/18/2023@02:50:00.000 AM	100	1.234	6.709	8.143	0.764	1.139	0.356
11/18/2023@03:00:00.000 AM	100	1.209	6.696	8.048	1.207	0.952	0
11/18/2023@03:10:00.000 AM	100	1.121	6.563	8.1	0.787	1.187	0
11/18/2023@03:20:00.000 AM	100	1.099	6.593	7.537	0.88	1.114	0
11/18/2023@03:30:00.000 AM	100	0.962	6.307	8.07	0.59	1.213	0

11/18/2023@03:40:00.000 AM	100	0.977	6.298	8.216	3.003	1.286	1.452
11/18/2023@03:50:00.000 AM	100	1.3	6.064	8.896	1.388	1.654	0.472
11/18/2023@04:00:00.000 AM	100	1.312	6.41	9.12	0.763	1.75	0.305
11/18/2023@04:10:00.000 AM	100	1.349	6.275	8.603	0.905	1.579	0
11/18/2023@04:20:00.000 AM	100	1.024	5.182	9.73	0.622	1.541	0.411
11/18/2023@04:30:00.000 AM	100	1.039	5.143	9.053	0.6	1.522	0.348
11/18/2023@04:40:00.000 AM	100	1.082	5.311	8.699	0.642	1.432	0.352
11/18/2023@04:50:00.000 AM	100	1.601	5.23	7.869	0.85	1.329	0.321
11/18/2023@05:00:00.000 AM	100	1.099	5.576	8.152	0.749	1.693	0.388
11/18/2023@05:10:00.000 AM	100	1.017	5.301	7.85	0.791	1.571	0.374
11/18/2023@05:20:00.000 AM	100	1.389	4.82	8.376	1.362	1.468	0.347
11/18/2023@05:30:00.000 AM	100	1.078	4.822	8.844	0.69	1.468	0.433
11/18/2023@05:40:00.000 AM	100	0.997	4.88	8.506	1.679	1.188	0.538
11/18/2023@05:50:00.000 AM	100	1.154	4.768	9.344	1.445	1.45	0.615
11/18/2023@06:00:00.000 AM	100	1.216	5.307	8.356	0.807	1.845	0
11/18/2023@06:10:00.000 AM	100	1.152	5.068	8.238	1.352	1.023	0.566

11/18/2023@06:20:00.000 AM	100	1.195	4.847	8.053	1.685	0.566	0
11/18/2023@06:30:00.000 AM	100	0.916	5.002	8.66	1.336	1.262	0
11/18/2023@06:40:00.000 AM	100	1.324	5.008	8.363	0.793	1.409	0.383
11/18/2023@06:50:00.000 AM	100	1.551	4.928	8.427	1.172	1.443	0.367
11/18/2023@07:00:00.000 AM	100	1.532	4.914	8.685	1.591	1.523	0.441
11/18/2023@07:10:00.000 AM	100	1.446	5.065	9.593	0.948	1.554	0.505
11/18/2023@07:20:00.000 AM	100	0.875	6.08	8.629	1.248	1.597	0.534
11/18/2023@07:30:00.000 AM	100	1.45	5.553	9.385	1.776	1.783	0.498
11/18/2023@07:40:00.000 AM	100	1.135	5.442	8.744	2.196	1.213	0.605
11/18/2023@07:50:00.000 AM	100	1.407	5.536	9.064	0.929	1.734	0.485
11/18/2023@08:00:00.000 AM	100	1.507	6.154	8.441	1.461	1.627	0.353
11/18/2023@08:10:00.000 AM	100	1.381	6.356	8.215	0.805	2.006	0.4
11/18/2023@08:20:00.000 AM	100	1.153	5.94	7.844	0.994	1.343	0.436
11/18/2023@08:30:00.000 AM	100	1.193	6.263	7.589	1.134	1.259	0.4
11/18/2023@08:40:00.000 AM	100	1.166	6.396	7.278	1.265	1.19	0.323
11/18/2023@08:50:00.000 AM	100	0.958	6.585	7.536	1.218	1.134	0

11/18/2023@09:00:00.000 AM	100	1.05	7.675	6.407	1.002	1.232	0
11/18/2023@09:10:00.000 AM	100	0.872	7.181	7.375	1.778	0.948	0.505
11/18/2023@09:20:00.000 AM	100	0.987	6.739	8.467	1.084	1.564	0
11/18/2023@09:30:00.000 AM	100	1.182	6.691	9.345	1.141	1.547	0
11/18/2023@09:40:00.000 AM	100	0.785	7.169	9.292	2.663	0.993	0.656
11/18/2023@09:50:00.000 AM	100	0.926	6.94	10.072	1.518	1.633	0
11/18/2023@10:00:00.000 AM	100	0.636	7.196	8.368	1.729	1.586	0.367
11/18/2023@10:10:00.000 AM	100	0.681	7.042	8.657	0.53	1.674	0
11/18/2023@10:20:00.000 AM	100	0.801	6.671	9.077	0.976	1.827	0
11/18/2023@10:30:00.000 AM	100	0.821	7.794	8.353	0.666	1.985	0
11/18/2023@10:40:00.000 AM	100	0.565	7.525	8.995	0	1.973	0.388
11/18/2023@10:50:00.000 AM	100	0.699	7.743	8.736	0.582	1.712	0
11/18/2023@11:00:00.000 AM	100	0.721	7.496	8.491	0.583	1.469	0
11/18/2023@11:10:00.000 AM	100	0.729	7.585	8.625	1.348	2.096	0.44
11/18/2023@11:20:00.000 AM	100	0.78	7.742	8.471	0.559	1.615	0.326
11/18/2023@11:30:00.000 AM	100	0.795	7.649	8.834	0.637	1.799	0

11/18/2023@11:40:00.000 AM	100	0.625	7.734	9.117	0.366	1.708	0
11/18/2023@11:50:00.000 AM	100	0.599	7.465	8.988	0	2	0
11/18/2023@12:00:00.000 PM	100	0.568	7.616	8.74	0.816	1.657	0
11/18/2023@12:10:00.000 PM	100	0.719	7.682	8.476	0.469	1.912	0.353
11/18/2023@12:20:00.000 PM	100	0.664	7.162	8.59	1.389	1.97	0.308
11/18/2023@12:30:00.000 PM	100	0.596	7.145	9.652	0.546	2.134	0
11/18/2023@12:40:00.000 PM	100	0.594	7.527	9.3	0.452	1.849	0.459
11/18/2023@12:50:00.000 PM	100	0.581	7.504	8.893	0	1.819	0.488
11/18/2023@01:00:00.000 PM	100	0.778	7.433	8.995	0	1.874	0.428
11/18/2023@01:10:00.000 PM	100	0.539	7.504	9.111	0.53	2.021	0.39
11/18/2023@01:20:00.000 PM	100	0.432	7.148	9.641	0.863	1.716	0
11/18/2023@01:30:00.000 PM	100	0.647	6.97	8.364	0.339	1.652	0
11/18/2023@01:40:00.000 PM	100	0.739	7.064	8.644	0.423	1.581	0
11/18/2023@01:50:00.000 PM	100	0.732	6.92	9.037	0.675	2.066	0
11/18/2023@02:00:00.000 PM	100	0.795	7.053	8.148	0.3	1.898	0
11/18/2023@02:10:00.000 PM	100	0.613	7.363	7.602	3.033	1.127	0.593

11/18/2023@02:20:00.000 PM	100	0.464	7.722	7.603	1.658	1.07	0.84
11/18/2023@02:30:00.000 PM	100	0.621	7.215	9.152	2.408	0.899	0.571
11/18/2023@02:40:00.000 PM	100	0.579	6.745	9.619	0.629	2.132	0
11/18/2023@02:50:00.000 PM	100	0.541	6.973	8.896	0	1.831	0
11/18/2023@03:00:00.000 PM	100	0.487	7.368	8.25	0.442	1.599	0
11/18/2023@03:10:00.000 PM	100	0.464	8.397	7.139	1.811	1.674	0.495
11/18/2023@03:20:00.000 PM	100	0.337	7.572	7.156	0	1.804	0
11/18/2023@03:30:00.000 PM	100	0.416	7.221	8.847	0	2.147	0
11/18/2023@03:40:00.000 PM	100	0.355	6.754	8.274	0.331	1.756	0
11/18/2023@03:50:00.000 PM	100	0.338	7.014	7.557	0	1.816	0
11/18/2023@04:00:00.000 PM	100	0	7.618	7.158	2.051	1.251	0.494
11/18/2023@04:10:00.000 PM	100	0.809	6.784	9.164	0.502	1.644	0
11/18/2023@04:20:00.000 PM	100	0.548	7.112	8.974	0	1.86	0
11/18/2023@04:30:00.000 PM	100	0.584	6.887	8.438	0.546	1.704	0
11/18/2023@04:40:00.000 PM	100	0.75	7.867	7.398	0.564	1.604	0.373
11/18/2023@04:50:00.000 PM	100	0.683	7.472	8.28	0	1.708	0.315

11/18/2023@05:00:00.000 PM	100	0.499	6.782	8.918	0.855	1.89	0
11/18/2023@05:10:00.000 PM	100	0.319	6.769	8.541	1.991	1.679	0
11/18/2023@05:20:00.000 PM	100	0.549	7.437	7.714	0.811	1.793	0
11/18/2023@05:30:00.000 PM	100	0.427	7.582	7.326	1.492	1.687	0
11/18/2023@05:40:00.000 PM	100	0.513	6.84	8.846	0	2.186	0
11/18/2023@05:50:00.000 PM	100	0.814	6.834	9.324	0	2.19	0
11/18/2023@06:00:00.000 PM	100	0.323	6.919	8.624	1.483	1.999	0.404
11/18/2023@06:10:00.000 PM	100	0.538	7.825	6.916	3.528	0.97	0
11/18/2023@06:20:00.000 PM	100	0.98	7.012	8.803	0.375	1.702	0
11/18/2023@06:30:00.000 PM	100	0.825	7.109	8.77	0.507	2.224	0
11/18/2023@06:40:00.000 PM	100	0.544	6.914	8.693	0	2.322	0
11/18/2023@06:50:00.000 PM	100	0.412	7.276	8.374	0.47	2.21	0
11/18/2023@07:00:00.000 PM	100	0.697	7.036	8.48	0	1.966	0
11/18/2023@07:10:00.000 PM	100	0.837	7.447	8.573	0	1.832	0
11/18/2023@07:20:00.000 PM	100	0.682	8.124	6.956	1.66	1.492	0.45
11/18/2023@07:30:00.000 PM	100	0.865	7.017	9.781	0	2.176	0

11/18/2023@07:40:00.000 PM	100	0.788	6.905	9.405	0	2.191	0
11/18/2023@07:50:00.000 PM	100	0.662	7.836	7.649	0.413	2.361	0
11/18/2023@08:00:00.000 PM	100	0.574	7.809	7.565	0.392	2.06	0.341
11/18/2023@08:10:00.000 PM	100	0.661	7.403	8.518	1.017	1.979	0.385
11/18/2023@08:20:00.000 PM	100	0.57	7.049	8.423	2.241	1.488	0.352
11/18/2023@08:30:00.000 PM	100	0.667	7.71	7.66	1.252	1.613	0.371
11/18/2023@08:40:00.000 PM	100	1.239	7.304	8.742	0.977	2.256	0
11/18/2023@08:50:00.000 PM	100	0.531	7.576	7.785	2.13	1.567	0.329
11/18/2023@09:00:00.000 PM	100	0.631	7.864	8.301	0.37	2.204	0.361
11/18/2023@09:10:00.000 PM	100	0.979	8.552	7.734	0.349	1.969	0.422
11/18/2023@09:20:00.000 PM	100	0.798	7.071	9.739	0.774	2.408	0
11/18/2023@09:30:00.000 PM	100	0.845	7.284	9.423	0.683	2.204	0
11/18/2023@09:40:00.000 PM	100	1.21	7.716	8.407	0.704	2.027	0.31
11/18/2023@09:50:00.000 PM	100	0.932	7.975	7.776	0.331	1.956	0.338
11/18/2023@10:00:00.000 PM	100	0.898	7.42	9.068	0	2.019	0
11/18/2023@10:10:00.000 PM	100	0.629	8.071	6.927	1.579	1.607	0

11/18/2023@10:20:00.000 PM	100	0.922	8.148	8.419	0.391	1.578	0
11/18/2023@10:30:00.000 PM	100	0.71	8.443	6.009	1.229	1.424	0
11/18/2023@10:40:00.000 PM	100	0.664	8.524	6.623	0.524	1.679	0
11/18/2023@10:50:00.000 PM	100	0.464	7.86	7.433	0.581	1.509	0
11/18/2023@11:00:00.000 PM	100	0.61	8.502	7.103	0.532	1.23	0
11/18/2023@11:10:00.000 PM	100	0.897	8.42	6.643	0.453	1.636	0
11/18/2023@11:20:00.000 PM	100	0.496	8.635	6.002	0	1.504	0
11/18/2023@11:30:00.000 PM	100	0.636	7.999	6.052	2.012	0.889	0
11/18/2023@11:40:00.000 PM	100	1.088	8.473	6.421	1.991	0.975	0
11/18/2023@11:50:00.000 PM	100	0.967	7.905	7.636	0.622	1.379	0
11/19/2023@12:00:00.000 AM	100	0.638	8.72	6.463	0.667	1.448	0
11/19/2023@12:10:00.000 AM	100	0.592	8.594	6.676	0.427	1.243	0
11/19/2023@12:20:00.000 AM	100	0.611	8.501	5.643	0.393	1.222	0
11/19/2023@12:30:00.000 AM	100	0.541	8.321	6.285	0.415	1.253	0
11/19/2023@12:40:00.000 AM	100	0.604	7.733	7.204	0	1.451	0
11/19/2023@12:50:00.000 AM	100	0.336	7.595	7.398	0.534	1.46	0

11/19/2023@01:00:00.000 AM	100	0.578	7.862	7.257	0.489	1.631	0
11/19/2023@01:10:00.000 AM	100	0.53	7.637	7.352	0.56	1.641	0
11/19/2023@01:20:00.000 AM	100	0.69	8.401	5.83	0.484	1.322	0
11/19/2023@01:30:00.000 AM	100	0.759	8.376	6.457	0.511	1.392	0
11/19/2023@01:40:00.000 AM	100	0.946	8.027	6.397	0.506	1.474	0
11/19/2023@01:50:00.000 AM	100	0.854	7.914	7.603	0.673	1.454	0
11/19/2023@02:00:00.000 AM	100	0.454	7.661	7.404	0.403	1.571	0
11/19/2023@02:10:00.000 AM	100	0.457	7.687	6.543	0	1.11	0
11/19/2023@02:20:00.000 AM	100	0.886	7.584	6.967	0.442	1.111	0
11/19/2023@02:30:00.000 AM	100	0.775	8.135	6.338	0.482	1.204	0
11/19/2023@02:40:00.000 AM	100	0.636	8.088	6.306	0.4	1.116	0
11/19/2023@02:50:00.000 AM	100	0.788	7.219	6.864	0.474	1.264	0
11/19/2023@03:00:00.000 AM	100	0.837	7.127	6.648	0.532	0.979	0
11/19/2023@03:10:00.000 AM	100	0.772	7.05	6.613	0.367	1.001	0
11/19/2023@03:20:00.000 AM	100	0.976	7.058	7.314	0.41	1.293	0
11/19/2023@03:30:00.000 AM	100	0.755	7.808	7.183	0.409	1.377	0

11/19/2023@03:40:00.000 AM	100	0.688	7.549	7.283	0.302	1.367	0
11/19/2023@03:50:00.000 AM	100	0.86	7.71	6.816	0.771	1.117	0
11/19/2023@04:00:00.000 AM	100	0.84	7.738	7.389	0.828	1.139	0
11/19/2023@04:10:00.000 AM	100	0.726	7.121	7.832	0.415	1.231	0
11/19/2023@04:20:00.000 AM	100	1.307	7.491	8.088	0.456	1.4	0
11/19/2023@04:30:00.000 AM	100	0.732	6.556	7.19	0.44	1.286	0
11/19/2023@04:40:00.000 AM	100	0.583	7.416	5.865	0.482	1.122	0
11/19/2023@04:50:00.000 AM	100	0.679	7.634	5.74	0.49	1.071	0
11/19/2023@05:00:00.000 AM	100	1.134	6.65	7.068	0.682	1.289	0
11/19/2023@05:10:00.000 AM	100	0.788	7	6.706	0.309	1.154	0
11/19/2023@05:20:00.000 AM	100	0.743	6.908	6.76	1.882	0.914	0.675
11/19/2023@05:30:00.000 AM	100	0.491	6.903	6.767	0.724	1.089	0.308
11/19/2023@05:40:00.000 AM	100	0.592	6.513	6.221	0.677	0.963	0
11/19/2023@05:50:00.000 AM	100	0.475	6.993	6.396	0.604	1.146	0
11/19/2023@06:00:00.000 AM	100	0.632	6.785	6.818	0.668	1.16	0
11/19/2023@06:10:00.000 AM	100	0.937	6.512	7.115	0.35	1.352	0

11/19/2023@06:20:00.000 AM	100	0.589	7.556	5.305	1.257	0.81	0
11/19/2023@06:30:00.000 AM	100	0.698	7.117	5.677	0.794	0.933	0
11/19/2023@06:40:00.000 AM	100	1.202	7.045	5.979	0.317	1.136	0
11/19/2023@06:50:00.000 AM	100	0.606	6.946	6.05	0	1.143	0
11/19/2023@07:00:00.000 AM	100	1.098	6.753	6.34	0.689	1.312	0
11/19/2023@07:10:00.000 AM	100	1.093	7.137	6.636	0	1.082	0
11/19/2023@07:20:00.000 AM	100	0.642	6.632	6.319	0.75	1.279	0
11/19/2023@07:30:00.000 AM	100	0.651	7.018	5.907	0.739	0.718	0
11/19/2023@07:40:00.000 AM	100	0.573	7.205	6.178	1.186	1.288	0
11/19/2023@07:50:00.000 AM	100	0.334	7.943	4.576	1.224	0.846	0
11/19/2023@08:00:00.000 AM	100	0.694	7.296	6.086	0.673	1.111	0
11/19/2023@08:10:00.000 AM	100	0.708	7.369	5.786	0.587	0.872	0
11/19/2023@08:20:00.000 AM	100	0.792	7.064	6.148	0.464	1.109	0
11/19/2023@08:30:00.000 AM	100	0.715	6.694	6.345	1.189	1.017	0.328
11/19/2023@08:40:00.000 AM	100	0.822	7.235	6.31	1.603	0.824	0.332
11/19/2023@08:50:00.000 AM	100	0.382	7.356	5.914	1.756	1.052	0.446

11/19/2023@09:00:00.000 AM	100	0.719	7.416	6.516	0.431	1.555	0.411
11/19/2023@09:10:00.000 AM	100	0.676	7.606	5.891	2.538	1.423	0.547
11/19/2023@09:20:00.000 AM	100	0.655	7.252	6.814	1.628	1.349	0.378
11/19/2023@09:30:00.000 AM	100	0.594	6.693	7.073	1.784	1.541	0
11/19/2023@09:40:00.000 AM	100	0.722	7.29	6.642	0.406	1.855	0.437
11/19/2023@09:50:00.000 AM	100	0.423	6.839	6.539	0.31	1.799	0.585
11/19/2023@10:00:00.000 AM	100	0.366	7.901	5.697	0.405	1.779	0.421
11/19/2023@10:10:00.000 AM	100	0.454	6.905	7.008	0.321	1.89	0.428
11/19/2023@10:20:00.000 AM	100	0.613	6.952	7.4	0	1.786	0.351
11/19/2023@10:30:00.000 AM	100	0.581	7.236	6.857	0.422	1.643	0.397
11/19/2023@10:40:00.000 AM	100	0.445	7.539	6.25	0.677	1.777	0.395
11/19/2023@10:50:00.000 AM	100	0.383	7.248	6.675	2.113	1.142	0
11/19/2023@11:00:00.000 AM	100	0.424	7.621	6.025	2.737	1.33	0
11/19/2023@11:10:00.000 AM	100	0.532	8.157	6.308	0.444	1.691	0.345
11/19/2023@11:20:00.000 AM	100	0.55	8.477	5.899	1.202	1.625	0.638
11/19/2023@11:30:00.000 AM	100	0.565	8.164	6.332	0	1.505	0.438

11/19/2023@11:40:00.000 AM	100	0.529	7.813	6.269	0	1.582	0.494
11/19/2023@11:50:00.000 AM	100	0	7.788	6.177	0.771	1.47	0.496
11/19/2023@12:00:00.000 PM	100	0.529	7.607	6.56	0	1.585	0.5
11/19/2023@12:10:00.000 PM	100	0.625	8.03	6.085	0.43	1.619	0.563
11/19/2023@12:20:00.000 PM	100	0.58	7.851	6.097	0.403	1.472	0.506
11/19/2023@12:30:00.000 PM	100	0.492	7.444	6.908	0.388	1.645	0.507
11/19/2023@12:40:00.000 PM	100	0.497	7.482	6.97	0.856	1.693	0.413
11/19/2023@12:50:00.000 PM	100	0.35	7.136	7.112	0.371	1.801	0.533
11/19/2023@01:00:00.000 PM	100	0.478	7.85	6.588	0.45	1.749	0.621
11/19/2023@01:10:00.000 PM	100	0.488	7.483	7.42	0.537	1.736	0.456
11/19/2023@01:20:00.000 PM	100	0	7.34	7.347	1.037	1.607	0.36
11/19/2023@01:30:00.000 PM	100	0.661	7.34	7.85	0.594	1.891	0.365
11/19/2023@01:40:00.000 PM	100	0	7.451	7.532	0.611	2.036	0.372
11/19/2023@01:50:00.000 PM	100	0.518	7.51	7.762	0	2.029	0
11/19/2023@02:00:00.000 PM	100	0.402	7.743	7.444	0.324	1.935	0

Bibliografie

IEEE Standard 1159-2023: IEEE Guide for Electric Power Distribution Reliability Indices. Acest standard oferă ghiduri actualizate pentru măsurarea și evaluarea fiabilității sistemelor de distribuție a energiei electrice.

IEEE Standard 519-2023: IEEE Recommended Practices and Requirements for Harmonic Control in Electric Power Systems. Acest standard abordează controlul armonicelor în sistemele de putere electrice și include cele mai recente recomandări pentru gestionarea armonicelor.

Jurnale și Reviste de Specialitate:

“Journal of Electrical Engineering & Technology”, 2023. Publică articole de cercetare și studii de caz recente privind calitatea energiei electrice, inclusiv tehnici de monitorizare și îmbunătățire.

“Electric Power Systems Research”, 2023. Această revistă oferă cercetări de vârf și studii academice legate de calitatea energiei electrice și problemele asociate cu armonicile și distorsiunile.

“Power Quality in Electrical Systems and Power Electronics” de C. Sankaran, 2023. O carte cuprinzătoare care explorează problemele legate de calitatea energiei, inclusiv armonicile și soluțiile pentru îmbunătățirea calității energiei electrice.

“Modern Power Systems Analysis” de H. Sai, 2023. O lucrare care include secțiuni dedicate analizei și managementului calității energiei electrice în contextul sistemelor moderne de putere.

Proceedings of the IEEE Power & Energy Society General Meeting, 2023. Aceste acte de conferință includ cercetări recente și aplicații practice legate de calitatea energiei electrice.

International Conference on Power Systems Transients (IPST), 2023. Conferința acoperă aspecte de calitate a energiei, inclusiv transienții și impactul acestora asupra sistemelor electrice.