

	Pyranometer [W/m ²]	Temperature [°C]	RH [%RH]	Wind Direction [angle]	Wind Speed [m/s]	Rain sensor [mm]
10/1/2022 01:00:00 AM	-1.083	30.177	66.105	138.991	0.199	286.1
10/1/2022 02:00:00 AM	-0.135	29.505	67.806	239.432	0.78	286.1
10/1/2022 03:00:00 AM	0.135	29.374	68.769	117.266	0.203	286.1
10/1/2022 04:00:00 AM	0.542	28.858	70.646	138.372	0.395	286.1
10/1/2022 05:00:00 AM	-0.406	28.697	71.504	165.293	0.202	286.1
10/1/2022 06:00:00 AM	17.197	28.204	71.241	173.574	1.696	286.1
10/1/2022 07:00:00 AM	223.962	30.513	64.554	220.4	0.899	286.1
10/1/2022 08:00:00 AM	455.641	33.614	53.794	187.57	0.205	286.1
10/1/2022 09:00:00 AM	660.104	35.971	47.704	128.906	0.204	286.1
10/1/2022 10:00:00 AM	812.436	37.403	43.489	166.499	0.209	286.1
10/1/2022 11:00:00 AM	905.189	38.316	37.828	33.066	0.885	286.1
10/1/2022 12:00:00 PM	921.574	36.979	39.077	337.666	0.829	286.1
10/1/2022 01:00:00 PM	862.401	36.17	42.786	247.818	0.212	286.1
10/1/2022 02:00:00 PM	734.984	35.968	45.007	347.985	0.216	286.1
10/1/2022 03:00:00 PM	558.821	35.281	46.27	52.483	1.119	286.1
10/1/2022 04:00:00 PM	236.013	34.167	49.154	171.554	0.576	286.1
10/1/2022 05:00:00 PM	45.226	32.778	53.413	84.032	0.819	286.1
10/1/2022 06:00:00 PM	-1.489	31.74	57.404	117.843	0.906	286.1
10/1/2022 07:00:00 PM	-1.76	31.258	61.613	325.016	0.215	286.1
10/1/2022 08:00:00 PM	-0.948	31.248	62.678	311.773	0.21	286.1
10/1/2022 09:00:00 PM	0	31.099	60.342	313.466	0.51	286.1
10/1/2022 10:00:00 PM	-0.542	31.043	58.672	195.198	0.204	286.1
10/1/2022 11:00:00 PM	-0.677	31.043	58.292	99.991	1.965	286.1
10/2/2022 12:00:00 AM	-1.76	30.713	58.594	220.996	0.687	286.1
10/2/2022 01:00:00 AM	-0.406	29.836	63.934	252.84	0.209	286.1
10/2/2022 02:00:00 AM	0.948	29.584	64.477	180.856	0.607	286.1
10/2/2022 03:00:00 AM	1.489	29.334	65.274	161.029	0.199	286.1
10/2/2022 04:00:00 AM	0.271	28.676	66.87	180.299	0.203	286.1
10/2/2022 05:00:00 AM	0.135	28.321	67.615	121.631	0.669	286.1
10/2/2022 06:00:00 AM	12.322	27.717	70.418	90.451	0.613	286.1
10/2/2022 07:00:00 AM	200.672	29.499	64.785	121.108	0.639	286.1
10/2/2022 08:00:00 AM	435.601	32.113	55.543	246.321	0.716	286.1
10/2/2022 09:00:00 AM	645.074	35.409	47.339	227.265	0.208	286.1
10/2/2022 10:00:00 AM	796.729	36.563	42.267	88.493	0.542	286.1
10/2/2022 11:00:00 AM	887.857	38.958	35.973	139.592	0.207	286.1
10/2/2022 12:00:00 PM	906.002	37.866	37.253	121.523	1.182	286.1
10/2/2022 01:00:00 PM	869.307	38.787	36.547	132.396	1.808	286.1
10/2/2022 02:00:00 PM	223.285	38.142	42.229	136.111	0.206	286.1
10/2/2022 03:00:00 PM	538.645	36.631	46.517	133.715	0.206	286.1
10/2/2022 04:00:00 PM	295.456	35.669	49.388	37.09	0.892	286.1
10/2/2022 05:00:00 PM	82.868	34.183	53.978	269.485	0.213	286.1
10/2/2022 06:00:00 PM	0	32.978	57.464	29.331	0.202	286.1
10/2/2022 07:00:00 PM	0.406	32.466	60.315	151.141	0.205	286.1
10/2/2022 08:00:00 PM	-1.083	32.355	62.81	192.895	0.205	286.1
10/2/2022 09:00:00 PM	0.406	31.855	65.105	130.893	0.203	286.1
10/2/2022 10:00:00 PM	-0.271	31.451	65.468	131.925	0.661	286.1
10/2/2022 11:00:00 PM	0.135	31.165	64.207	238.739	0.503	286.1
10/3/2022 12:00:00 AM	0.812	31.104	65.121	76.835	0.679	286.1

10/3/2022 01:00:00 AM	0.271	31.176	63.799	143.006	0.876	286.1
10/3/2022 02:00:00 AM	-0.135	31.11	64.342	112.941	0.938	286.1
10/3/2022 03:00:00 AM	-0.135	30.839	65.966	55.478	1.226	286.1
10/3/2022 04:00:00 AM	0.677	29.764	71.213	154.191	0.201	286.1
10/3/2022 05:00:00 AM	-1.083	29.155	73.656	235.531	0.651	286.1
10/3/2022 06:00:00 AM	16.249	29.207	72.131	314.411	0.208	286.1
10/3/2022 07:00:00 AM	123.355	30.421	67.398	243.174	1.09	286.1
10/3/2022 08:00:00 AM	458.485	33.556	57.215	271.693	0.935	286.1
10/3/2022 09:00:00 AM	631.128	36.684	47.72	186.646	0.207	286.1
10/3/2022 10:00:00 AM	794.427	37.461	43.838	79.47	0.598	286.1
10/3/2022 11:00:00 AM	654.282	37.6	42.117	125.818	0.511	286.1
10/3/2022 12:00:00 PM	956.102	38.336	39.261	128.982	1.206	286.1
10/3/2022 01:00:00 PM	852.11	37.931	40.097	302.761	0.54	286.1
10/3/2022 02:00:00 PM	732.411	36.458	42.829	163.408	1.535	286.1
10/3/2022 03:00:00 PM	541.895	35.145	47.518	70.406	0.95	286.1
10/3/2022 04:00:00 PM	316.038	35.028	49.173	56.015	0.623	286.1
10/3/2022 05:00:00 PM	83.275	33.313	51.367	351.393	0.215	286.1
10/3/2022 06:00:00 PM	-1.489	32.114	55.313	188.861	1.647	286.1
10/3/2022 07:00:00 PM	-1.354	31.557	60.4	52.076	0.199	286.1
10/3/2022 08:00:00 PM	-0.406	31.325	62.748	140.049	0.915	286.1
10/3/2022 09:00:00 PM	-1.354	31.129	64.344	43.245	0.771	286.1
10/3/2022 10:00:00 PM	-2.031	30.613	65.767	74.215	0.604	286.1
10/3/2022 11:00:00 PM	-1.489	30.187	66.953	153.496	1.154	286.1
10/4/2022 12:00:00 AM	-0.948	29.684	66.736	255.498	1.115	286.1
10/4/2022 01:00:00 AM	0	29.124	66.741	218.541	1.767	286.1
10/4/2022 02:00:00 AM	0	28.698	69.501	231.104	1.388	286.1
10/4/2022 03:00:00 AM	2.166	28.45	69.606	222.363	1.776	286.1
10/4/2022 04:00:00 AM	-0.135	28.194	68.832	175.5	1.181	286.1
10/4/2022 05:00:00 AM	-0.677	27.796	71.124	21.896	0.198	286.1
10/4/2022 06:00:00 AM	13.134	27.674	70.018	211.029	1.314	286.1
10/4/2022 07:00:00 AM	107.783	28.257	66.887	168.152	1.411	286.1
10/4/2022 08:00:00 AM	408.385	31.59	56.648	97.98	0.566	286.1
10/4/2022 09:00:00 AM	601.609	33.541	51.506	333.089	0.212	286.1
10/4/2022 10:00:00 AM	736.88	36.342	48.173	335.511	0.215	286.1
10/4/2022 11:00:00 AM	840.872	37.81	42.656	141.204	0.209	286.1
10/4/2022 12:00:00 PM	833.424	38.136	39.121	330.007	0.215	286.1
10/4/2022 01:00:00 PM	805.666	38.407	36.744	291.324	0.657	286.1
10/4/2022 02:00:00 PM	693.144	38.464	41.011	96.96	0.207	286.1
10/4/2022 03:00:00 PM	497.346	37.318	46.947	337.555	0.483	286.1
10/4/2022 04:00:00 PM	286.519	36.089	48.347	28.709	0.204	286.1
10/4/2022 05:00:00 PM	89.368	33.771	51.476	239.603	0.209	286.1
10/4/2022 06:00:00 PM	-0.677	32.046	61.442	351.685	0.213	286.1
10/4/2022 07:00:00 PM	-1.354	30.669	65.311	297.926	0.501	286.1
10/4/2022 08:00:00 PM	-0.271	30.225	65.673	154.925	0.205	286.1
10/4/2022 09:00:00 PM	-1.625	29.844	68.257	109.076	0.201	286.1
10/4/2022 10:00:00 PM	-0.406	29.839	70.148	209.934	0.349	286.1
10/4/2022 11:00:00 PM	-2.437	29.654	71.531	148.289	0.571	286.1
10/5/2022 12:00:00 AM	-0.812	29.523	70.445	26.244	0.568	286.1
10/5/2022 01:00:00 AM	-1.083	29.17	69.259	136.658	0.681	286.1
10/5/2022 02:00:00 AM	-0.677	29.162	66.597	321.021	0.211	286.1

10/5/2022 03:00:00 AM	3.927	29.947	63.705	93.466	0.602	286.1
10/5/2022 04:00:00 AM	1.896	29.644	66.268	211.179	0.204	286.1
10/5/2022 05:00:00 AM	0.135	29.134	71.383	167.062	0.677	286.1
10/5/2022 06:00:00 AM	8.531	28.532	74.513	229.168	0.207	286.1
10/5/2022 07:00:00 AM	35.341	27.226	86.148	167.271	0.706	286.8
10/5/2022 08:00:00 AM	42.653	27.138	90.203	134.848	0.888	294.3
10/5/2022 09:00:00 AM	373.044	29.626	82.202	229.138	0.206	299.8
10/5/2022 10:00:00 AM	1053.865	30.674	75.046	101.333	0.204	299.9
10/5/2022 11:00:00 AM	867.14	30.932	68.103	91.259	0.857	299.9
10/5/2022 12:00:00 PM	462.953	30.741	67.671	248.762	0.291	299.9
10/5/2022 01:00:00 PM	371.825	30.122	69.572	218.511	0.663	299.9
10/5/2022 02:00:00 PM	415.02	30.514	68.439	119.427	0.205	299.9
10/5/2022 03:00:00 PM	162.487	29.93	75.084	214.103	0.202	299.9
10/5/2022 04:00:00 PM	138.656	29.511	75.413	300.598	0.843	299.9
10/5/2022 05:00:00 PM	44.278	29.442	76.774	115.578	0.205	299.9
10/5/2022 06:00:00 PM	0.542	28.875	78.961	135.557	0.895	299.9
10/5/2022 07:00:00 PM	2.573	28.646	80.242	88.528	0.199	299.9
10/5/2022 08:00:00 PM	1.625	28.754	79.446	36.484	0.198	299.9
10/5/2022 09:00:00 PM	2.166	28.502	80.985	152.155	1.05	299.9
10/5/2022 10:00:00 PM	1.76	28.342	81.067	107.329	0.204	299.9
10/5/2022 11:00:00 PM	-0.406	27.341	87.449	78.516	0.209	300.3
10/6/2022 12:00:00 AM	3.25	26.447	91.643	43.141	0.815	303.4
10/6/2022 01:00:00 AM	2.166	26.659	89.876	143.586	0.198	303.5
10/6/2022 02:00:00 AM	3.25	26.75	89.956	143.669	0.747	303.5
10/6/2022 03:00:00 AM	3.927	26.476	92.106	270.431	0.206	304
10/6/2022 04:00:00 AM	5.416	27.048	89.165	52.003	0.635	304.1
10/6/2022 05:00:00 AM	5.822	26.941	88.05	224.354	0.205	304.1
10/6/2022 06:00:00 AM	4.604	26.35	89.365	98.938	0.734	304.1
10/6/2022 07:00:00 AM	46.85	26.736	86.69	164.369	0.571	304.1
10/6/2022 08:00:00 AM	35.206	26.655	85.961	111.743	0.218	304.1
10/6/2022 09:00:00 AM	202.297	27.23	82.951	140.236	0.896	304.1
10/6/2022 10:00:00 AM	108.325	27.127	84.636	87.924	0.936	304.1
10/6/2022 11:00:00 AM	333.37	29.417	74.147	144.248	0.355	304.2
10/6/2022 12:00:00 PM	483.129	29.019	76.867	174.9	0.203	304.2
10/6/2022 01:00:00 PM	319.152	28.529	77.952	142.397	1.024	304.2
10/6/2022 02:00:00 PM	376.429	28.902	76.651	27.211	0.913	304.2
10/6/2022 03:00:00 PM	168.039	28.705	75.602	140.704	0.446	304.2
10/6/2022 04:00:00 PM	120.647	28.531	77.475	218.299	0.207	304.2
10/6/2022 05:00:00 PM	21.53	28.215	78.931	138.693	0.624	304.2
10/6/2022 06:00:00 PM	1.76	27.659	79.695	31.916	1.346	304.2
10/6/2022 07:00:00 PM	3.385	27.845	79.608	187.212	0.469	304.2
10/6/2022 08:00:00 PM	2.844	27.507	80.614	105.084	0.721	304.2
10/6/2022 09:00:00 PM	1.76	27.315	82.103	11.364	0.193	304.2
10/6/2022 10:00:00 PM	0	27.068	85.28	179.675	1.458	304.2
10/6/2022 11:00:00 PM	2.573	27.356	83.535	208.607	0.204	304.2
10/7/2022 12:00:00 AM	2.573	27.436	82.603	54.523	0.195	304.2
10/7/2022 01:00:00 AM	2.166	27.596	81.999	27.09	0.224	304.2
10/7/2022 02:00:00 AM	1.354	27.408	84.951	126.619	0.808	304.2
10/7/2022 03:00:00 AM	0.812	27.401	85.274	54.474	0.196	304.2
10/7/2022 04:00:00 AM	4.062	27.627	85.028	131.404	0.58	304.2

10/7/2022 05:00:00 AM	3.927	27.595	84.962	153.155	0.199	304.2
10/7/2022 06:00:00 AM	7.312	27.647	84.533	354.964	0.211	304.2
10/7/2022 07:00:00 AM	68.38	28.081	83.905	39.08	0.193	304.2
10/7/2022 08:00:00 AM	49.423	28.138	81.723	356.286	0.208	304.2
10/7/2022 09:00:00 AM	173.861	27.483	86.563	95.345	0.541	304.3
10/7/2022 10:00:00 AM	173.32	27.701	87.08	147.111	0.2	305
10/7/2022 11:00:00 AM	196.203	27.935	84.59	69.825	0.492	305.9
10/7/2022 12:00:00 PM	115.772	27.654	83.947	93.148	0.63	306.1
10/7/2022 01:00:00 PM	169.393	27.152	89.211	337.31	0.206	309.4
10/7/2022 02:00:00 PM	193.36	27.028	87.925	96.12	0.564	310.7
10/7/2022 03:00:00 PM	78.4	27.269	83.471	136.874	0.2	310.7
10/7/2022 04:00:00 PM	29.654	27.123	81.679	127.261	0.655	310.7
10/7/2022 05:00:00 PM	12.051	26.758	84.951	142.345	0.673	310.7
10/7/2022 06:00:00 PM	5.145	26.789	82.436	244.898	0.567	310.7
10/7/2022 07:00:00 PM	3.385	26.733	83.016	137.736	1.558	310.7
10/7/2022 08:00:00 PM	-1.219	26.162	87.381	175.422	0.649	310.8
10/7/2022 09:00:00 PM	0.406	26.268	85.649	90.725	0.579	310.8
10/7/2022 10:00:00 PM	-1.354	25.824	85.684	309.297	0.208	310.8
10/7/2022 11:00:00 PM	1.489	25.689	86.817	103.309	0.199	310.9
10/8/2022 12:00:00 AM	0.677	25.586	87.619	45.11	0.196	311
10/8/2022 01:00:00 AM	1.76	25.345	85.065	138.893	0.2	311
10/8/2022 02:00:00 AM	3.114	25.53	83.455	137.231	2.63	311
10/8/2022 03:00:00 AM	-1.489	25.215	85.951	115.128	0.663	311
10/8/2022 04:00:00 AM	2.573	25.294	84.499	235.179	0.717	311
10/8/2022 05:00:00 AM	-0.677	25.358	85.764	12.846	0.395	311
10/8/2022 06:00:00 AM	1.625	25.093	88.259	45.178	0.195	311
10/8/2022 07:00:00 AM	25.186	25.104	89.682	115.908	0.87	311.4
10/8/2022 08:00:00 AM	117.262	25.785	88.982	94.159	0.194	311.6
10/8/2022 09:00:00 AM	142.176	26.509	84.164	40.182	0.754	311.6
10/8/2022 10:00:00 AM	98.44	25.89	87.94	355.654	0.207	311.8
10/8/2022 11:00:00 AM	181.58	25.958	86.45	157.484	1.352	312.1
10/8/2022 12:00:00 PM	153.415	25.865	85.184	123.224	0.545	312.1
10/8/2022 01:00:00 PM	107.377	25.907	83.926	104.182	1.092	312.1
10/8/2022 02:00:00 PM	74.609	24.841	85.908	146.861	0.833	312.2
10/8/2022 03:00:00 PM	82.868	25.896	81.51	144.948	1.13	312.2
10/8/2022 04:00:00 PM	88.149	25.821	82.917	112.159	0.198	312.2
10/8/2022 05:00:00 PM	10.426	25.152	86.289	152.421	0.98	312.3
10/8/2022 06:00:00 PM	3.114	25.394	85.205	124.95	0.198	312.4
10/8/2022 07:00:00 PM	1.625	25.087	85.256	162.545	1.504	312.4
10/8/2022 08:00:00 PM	3.791	25.171	85.362	98.949	0.197	312.4
10/8/2022 09:00:00 PM	4.333	25.254	84.839	220.229	0.575	312.4
10/8/2022 10:00:00 PM	4.604	25.127	85.088	230.501	0.202	312.4
10/8/2022 11:00:00 PM	3.927	25.1	86.039	284.644	0.206	312.4
10/9/2022 12:00:00 AM	4.062	25.228	84.936	109.256	0.201	312.4
10/9/2022 01:00:00 AM	3.114	25.165	84.415	106.975	0.592	312.4
10/9/2022 02:00:00 AM	3.656	25.254	84.096	147.178	0.198	312.4
10/9/2022 03:00:00 AM	4.062	25.349	82.949	173.457	0.539	312.4
10/9/2022 04:00:00 AM	4.062	25.428	82.418	25.76	0.194	312.4
10/9/2022 05:00:00 AM	2.573	24.905	87.57	292.556	0.538	312.4
10/9/2022 06:00:00 AM	3.656	25.106	87.952	82.306	0.565	312.4

10/9/2022 07:00:00 AM	13.676	25.21	88.295	51.746	0.197	312.4
10/9/2022 08:00:00 AM	50.1	25.441	88.493	316.414	0.209	312.4
10/9/2022 09:00:00 AM	50.642	25.625	88.815	109.692	0.835	312.4
10/9/2022 10:00:00 AM	169.258	25.559	91.805	123.631	0.677	313.1
10/9/2022 11:00:00 AM	99.117	25.763	91.006	111.76	0.574	313.2
10/9/2022 12:00:00 PM	108.866	26.223	90.074	160.352	0.724	313.4
10/9/2022 01:00:00 PM	88.556	26.339	87.956	84.612	0.196	313.4
10/9/2022 02:00:00 PM	193.089	26.627	85.285	165.954	1.565	313.4
10/9/2022 03:00:00 PM	172.914	26.67	82.674	312.157	0.848	313.4
10/9/2022 04:00:00 PM	55.923	25.686	83.266	177.975	1.009	313.4
10/9/2022 05:00:00 PM	14.082	25.362	83.029	150.292	1.267	313.4
10/9/2022 06:00:00 PM	2.573	25.115	82.867	87.398	0.695	313.4
10/9/2022 07:00:00 PM	-0.948	25.003	83.601	283.69	0.205	313.4
10/9/2022 08:00:00 PM	0	24.385	86.523	125.84	0.598	313.5
10/9/2022 09:00:00 PM	0.271	24.275	89.153	145.631	0.195	313.9
10/9/2022 10:00:00 PM	2.166	24.17	89.452	161.118	1.318	314.1
10/9/2022 11:00:00 PM	1.219	24.135	89.308	107.881	0.197	315.2
10/10/2022 12:00:00 AM	0.948	23.885	85.655	135.015	2.821	315.2
10/10/2022 01:00:00 AM	1.354	22.981	88.327	183.897	0.895	315.3
10/10/2022 02:00:00 AM	0	23.259	86.991	155.605	0.869	315.3
10/10/2022 03:00:00 AM	4.333	23.133	87.184	230.751	0.285	315.4
10/10/2022 04:00:00 AM	3.25	23.206	80.971	180.438	0.604	315.4
10/10/2022 05:00:00 AM	-0.948	22.766	84.048	52.607	0.196	315.4
10/10/2022 06:00:00 AM	2.708	22.322	89.034	166.697	0.198	315.5
10/10/2022 07:00:00 AM	11.103	22.374	88.16	170.989	0.8	315.6
10/10/2022 08:00:00 AM	34.529	22.533	84.991	115.95	0.572	315.6
10/10/2022 09:00:00 AM	53.485	22.129	88.527	108.423	0.194	315.9
10/10/2022 10:00:00 AM	111.981	22.103	83.45	93.762	0.194	316
10/10/2022 11:00:00 AM	106.7	21.868	82.082	149.562	0.492	316
10/10/2022 12:00:00 PM	101.013	21.735	80.931	101.62	1.234	316
10/10/2022 01:00:00 PM	65.672	21.996	76.483	146.881	1.416	316
10/10/2022 02:00:00 PM	62.693	21.926	73.457	52.534	0.192	316
10/10/2022 03:00:00 PM	51.048	21.934	68.772	129.013	0.956	316
10/10/2022 04:00:00 PM	26.946	21.894	68.831	160.827	0.508	316
10/10/2022 05:00:00 PM	12.999	21.982	67.745	109.97	0.877	316
10/10/2022 06:00:00 PM	2.708	21.794	68.43	86.262	0.189	316
10/10/2022 07:00:00 PM	4.198	21.854	68.63	84.218	0.194	316
10/10/2022 08:00:00 PM	3.791	21.97	69.331	183.201	0.197	316
10/10/2022 09:00:00 PM	3.114	22.16	70.919	356.355	0.578	316
10/10/2022 10:00:00 PM	3.25	22.378	70.699	188.155	0.296	316
10/10/2022 11:00:00 PM	3.385	22.616	68.805	104.794	0.992	316
10/11/2022 12:00:00 AM	3.791	22.198	72.146	113.679	0.193	316
10/11/2022 01:00:00 AM	3.927	22.405	67.426	164.796	0.529	316
10/11/2022 02:00:00 AM	3.25	22.464	65.07	135.741	1.005	316
10/11/2022 03:00:00 AM	3.656	22.742	58.722	98.36	0.739	316
10/11/2022 04:00:00 AM	2.437	22.718	57.535	137.944	0.196	316
10/11/2022 05:00:00 AM	1.76	22.607	55.787	157.41	0.195	316
10/11/2022 06:00:00 AM	2.979	22.816	56.689	67.489	0.464	316
10/11/2022 07:00:00 AM	13.134	22.505	59.276	130.324	0.421	316
10/11/2022 08:00:00 AM	24.238	22.155	65.573	178.436	0.831	316

10/11/2022 09:00:00 AM	63.641	22.465	64.95	120.611	0.358	316
10/11/2022 10:00:00 AM	93.566	23.152	61.676	218.995	1.48	316
10/11/2022 11:00:00 AM	86.118	21.934	72.364	183.354	0.62	316
10/11/2022 12:00:00 PM	203.922	22.296	69.931	184.972	1.286	316
10/11/2022 01:00:00 PM	208.525	23.34	64.908	106.624	1.335	316
10/11/2022 02:00:00 PM	124.032	24.115	58.365	57.616	0.19	316
10/11/2022 03:00:00 PM	99.659	23.137	67.225	41.608	1.104	316
10/11/2022 04:00:00 PM	44.413	22.763	66.618	109.116	0.629	316
10/11/2022 05:00:00 PM	14.624	22.811	65.953	135.173	1.673	316
10/11/2022 06:00:00 PM	2.166	22.552	67.219	182.287	0.768	316
10/11/2022 07:00:00 PM	0.542	22.434	68.303	180.295	0.845	316
10/11/2022 08:00:00 PM	4.198	22.845	66.393	91.181	0.245	316
10/11/2022 09:00:00 PM	3.25	23.295	64.89	95.11	0.418	316
10/11/2022 10:00:00 PM	2.437	23.166	66.252	179.34	1.438	316
10/11/2022 11:00:00 PM	2.844	23.21	67.327	95.781	0.197	316
10/12/2022 12:00:00 AM	2.573	23.131	66.977	132.07	0.854	316
10/12/2022 01:00:00 AM	4.062	23.156	67.441	184.026	0.198	316
10/12/2022 02:00:00 AM	2.708	23.105	68.868	234.18	0.197	316
10/12/2022 03:00:00 AM	2.302	23.007	71.077	121.465	0.194	316
10/12/2022 04:00:00 AM	4.198	23.154	71.74	208.426	0.199	316
10/12/2022 05:00:00 AM	2.573	23.391	72.407	94.959	0.189	316
10/12/2022 06:00:00 AM	2.166	23.132	76.644	102.619	1.143	316
10/12/2022 07:00:00 AM	77.181	23.25	78.474	109.948	0.661	316
10/12/2022 08:00:00 AM	140.551	23.051	84.076	100.096	0.693	316.1
10/12/2022 09:00:00 AM	101.419	23.207	88.437	124.851	1.537	316.6
10/12/2022 10:00:00 AM	294.237	24.131	83.439	98.926	0.195	316.7
10/12/2022 11:00:00 AM	407.031	24.611	78.298	102.817	1.008	316.7
10/12/2022 12:00:00 PM	334.318	24.491	79.883	355.321	0.484	316.7
10/12/2022 01:00:00 PM	318.475	25.324	77.6	341.625	1.351	316.7
10/12/2022 02:00:00 PM	85.035	24.169	84.856	65.015	0.853	316.7
10/12/2022 03:00:00 PM	72.442	23.606	85.627	188.961	0.63	317.3
10/12/2022 04:00:00 PM	98.576	24.043	84.906	208.685	0.859	317.5
10/12/2022 05:00:00 PM	31.82	23.924	84.49	137.624	0.876	317.6
10/12/2022 06:00:00 PM	1.083	23.517	89.972	166.849	0.193	318.2
10/12/2022 07:00:00 PM	3.385	23.436	88.54	249.28	0.199	318.3
10/12/2022 08:00:00 PM	3.25	23.445	87.736	52.898	0.941	318.3
10/12/2022 09:00:00 PM	2.979	23.477	86.99	151.068	0.644	318.3
10/12/2022 10:00:00 PM	4.604	23.44	89.764	106.866	1.836	319.4
10/12/2022 11:00:00 PM	2.979	23.195	87.353	92.896	0.641	319.4
10/13/2022 12:00:00 AM	3.791	23.16	86.43	188.587	0.56	319.4
10/13/2022 01:00:00 AM	3.927	23.296	86.373	100.129	0.485	319.4
10/13/2022 02:00:00 AM	1.083	23.503	84.057	6.477	1.053	319.4
10/13/2022 03:00:00 AM	-0.812	23.437	85.505	109.645	0.837	319.4
10/13/2022 04:00:00 AM	3.114	23.593	84.598	113.974	0.809	319.4
10/13/2022 05:00:00 AM	3.114	23.727	82.671	214.769	0.2	319.4
10/13/2022 06:00:00 AM	5.416	23.973	78.633	164.109	0.505	319.4
10/13/2022 07:00:00 AM	56.735	24.36	75.84	136.26	0.776	319.4
10/13/2022 08:00:00 AM	272.302	26.163	70.826	157.595	0.477	319.4
10/13/2022 09:00:00 AM	49.288	24.242	82.838	105.4	0.192	319.5
10/13/2022 10:00:00 AM	46.58	23.67	90.006	107.559	0.193	321

10/13/2022 11:00:00 AM	125.928	24.075	91.973	140.917	0.193	323.5
10/13/2022 12:00:00 PM	89.233	25.194	90.319	183.956	0.614	324.5
10/13/2022 01:00:00 PM	114.689	25.379	86.593	104.314	0.196	324.7
10/13/2022 02:00:00 PM	133.375	25.403	87.042	105.925	0.194	324.7
10/13/2022 03:00:00 PM	74.067	25.423	86.512	142.962	0.746	324.8
10/13/2022 04:00:00 PM	17.603	25.107	86.711	54.182	0.727	324.8
10/13/2022 05:00:00 PM	6.77	24.93	86.652	56.47	0.464	324.9
10/13/2022 06:00:00 PM	2.437	24.926	82.826	124.634	0.548	324.9
10/13/2022 07:00:00 PM	1.354	24.677	82.715	141.081	0.196	324.9
10/13/2022 08:00:00 PM	-3.25	24.64	82.936	136.024	0.442	324.9
10/13/2022 09:00:00 PM	-2.437	23.988	88.383	249.579	0.203	325
10/13/2022 10:00:00 PM	-0.135	24.002	90.224	83.72	0.195	325.2
10/13/2022 11:00:00 PM	-0.677	24.027	88.77	52.501	0.963	325.4
10/14/2022 12:00:00 AM	1.354	23.952	91.208	136.781	0.746	326.6
10/14/2022 01:00:00 AM	3.385	23.885	91.695	136.757	0.198	327.1
10/14/2022 02:00:00 AM	1.354	23.975	92.197	211.58	0.474	327.8
10/14/2022 03:00:00 AM	2.437	24.018	93.24	163.169	0.197	329.1
10/14/2022 04:00:00 AM	3.114	24.149	93.283	64.827	0.191	331.3
10/14/2022 05:00:00 AM	1.625	24.024	93.906	196.636	0.783	334.8
10/14/2022 06:00:00 AM	2.844	23.987	94.768	154.546	0.531	337.5
10/14/2022 07:00:00 AM	23.154	24.394	92.685	149.916	0.981	338
10/14/2022 08:00:00 AM	21.53	24.38	90.005	91.02	0.533	338.7
10/14/2022 09:00:00 AM	106.158	24.797	89.827	126.489	0.195	339.9
10/14/2022 10:00:00 AM	191.735	24.97	89.755	72.167	0.194	340
10/14/2022 11:00:00 AM	260.521	26.231	81.153	91.047	0.661	340
10/14/2022 12:00:00 PM	154.092	26.075	77.795	54.915	0.939	340
10/14/2022 01:00:00 PM	202.567	26.361	77.415	43.472	0.635	340
10/14/2022 02:00:00 PM	122.542	26.223	79.947	172.095	0.2	340
10/14/2022 03:00:00 PM	32.227	25.828	82.639	185.305	0.199	340
10/14/2022 04:00:00 PM	26.133	25.85	83.73	91.679	0.195	340
10/14/2022 05:00:00 PM	7.177	26.014	83.681	356.295	0.469	340
10/14/2022 06:00:00 PM	-2.437	26	84.024	139.277	1.16	340
10/14/2022 07:00:00 PM	-2.573	26.209	84.726	83.65	0.391	340.1
10/14/2022 08:00:00 PM	-2.573	26.148	84.724	69.968	0.341	340.1
10/14/2022 09:00:00 PM	3.927	26.384	84.523	176.92	0.199	340.2
10/14/2022 10:00:00 PM	1.219	25.879	89.406	129.611	0.196	341.2
10/14/2022 11:00:00 PM	2.708	25.877	89.947	76.036	0.193	342.4
10/15/2022 12:00:00 AM	2.708	25.789	91.855	170.243	0.778	344.4
10/15/2022 01:00:00 AM	3.385	25.515	93.24	118.513	0.219	347
10/15/2022 02:00:00 AM	2.437	25.68	92.669	231.044	0.2	347.8
10/15/2022 03:00:00 AM	2.031	25.594	93.285	121.095	0.195	348.7
10/15/2022 04:00:00 AM	2.302	25.647	92.54	244.198	0.605	349.3
10/15/2022 05:00:00 AM	2.166	25.509	92.752	22.981	0.193	350.2
10/15/2022 06:00:00 AM	3.114	25.382	93.082	308.212	0.204	351.6
10/15/2022 07:00:00 AM	34.258	25.585	92.593	229.409	0.203	352.5
10/15/2022 08:00:00 AM	75.827	25.9	93.043	266.034	0.684	353.7
10/15/2022 09:00:00 AM	131.479	26.123	93.626	19.089	0.19	356.1
10/15/2022 10:00:00 AM	212.858	26.347	92.644	91.458	0.536	357.5
10/15/2022 11:00:00 AM	98.44	26.229	93.569	206.345	0.198	361.9
10/15/2022 12:00:00 PM	51.319	26.551	94.112	57.079	0.515	365.3

10/15/2022 01:00:00 PM	110.627	26.565	93.564	332.388	0.627	368.7
10/15/2022 02:00:00 PM	186.183	26.707	92.289	95.113	0.582	370
10/15/2022 03:00:00 PM	71.63	26.508	92.567	133.77	0.807	371.7
10/15/2022 04:00:00 PM	47.392	26.718	91.541	256.818	0.74	373.6
10/15/2022 05:00:00 PM	12.322	26.642	91.797	180.253	0.6	374.9
10/15/2022 06:00:00 PM	3.114	25.974	92.526	169.193	1.012	375.9
10/15/2022 07:00:00 PM	4.062	25.846	93.106	116.586	0.199	377
10/15/2022 08:00:00 PM	3.25	26.011	93.673	198.463	0.785	378.1
10/15/2022 09:00:00 PM	2.302	26.094	93.63	56.267	0.206	378.9
10/15/2022 10:00:00 PM	2.844	26.183	94.066	179.568	0.196	380.6
10/15/2022 11:00:00 PM	3.927	26.41	93.727	16.525	1.165	381.9
10/16/2022 12:00:00 AM	4.198	26.99	93.35	86.561	0.195	387.8
10/16/2022 01:00:00 AM	4.468	27.277	92.654	153.849	0.786	389.5
10/16/2022 02:00:00 AM	3.25	27.451	92.565	95.364	0.196	390.1
10/16/2022 03:00:00 AM	4.198	27.694	92.223	211.201	1.201	393.4
10/16/2022 04:00:00 AM	4.875	27.615	93.933	345.032	0.502	399.5
10/16/2022 05:00:00 AM	4.062	27.248	96.216	173.426	0.511	416.9
10/16/2022 06:00:00 AM	4.468	27.241	97.508	356.227	0.206	434.8
10/16/2022 07:00:00 AM	10.426	27.334	97.79	132.677	0.514	449.1
10/16/2022 08:00:00 AM	56.735	27.529	97.888	228.851	0.203	457.9
10/16/2022 09:00:00 AM	50.642	28.005	97.33	55.222	0.195	459.5
10/16/2022 10:00:00 AM	124.167	27.904	97.147	282.924	0.201	463.3
10/16/2022 11:00:00 AM	54.704	27.771	99.551	45.214	0.195	469.2
10/16/2022 12:00:00 PM	21.8	27.911	97.291	135.67	0.198	473.4
10/16/2022 01:00:00 PM	12.864	27.705	97.918	191.401	0.2	483.7
10/16/2022 02:00:00 PM	28.977	27.206	98.014	247.581	0.203	502.9
10/16/2022 03:00:00 PM	19.498	27.203	98.012	242.609	0.549	515.4
10/16/2022 04:00:00 PM	66.62	27.776	97.948	101.76	0.679	521.9
10/16/2022 05:00:00 PM	15.436	27.483	97.642	79.093	0.836	525.9
10/16/2022 06:00:00 PM	4.062	27.187	97.791	110.432	0.531	537.7
10/16/2022 07:00:00 PM	4.468	27.247	97.771	273.258	0.588	548.6
10/16/2022 08:00:00 PM	2.844	27.563	96.649	79.558	0.463	548.8
10/16/2022 09:00:00 PM	4.333	27.586	95.1	124.133	0.602	549
10/16/2022 10:00:00 PM	4.333	27.259	93.232	316.495	0.562	549.6
10/16/2022 11:00:00 PM	4.468	26.474	95.08	164.64	0.66	554.2
10/17/2022 12:00:00 AM	5.145	26.78	95.141	356.138	0.205	554.7
10/17/2022 01:00:00 AM	7.447	26.993	93.407	351.89	0.206	554.8
10/17/2022 02:00:00 AM	5.822	26.854	92.163	44.258	0.196	554.8
10/17/2022 03:00:00 AM	5.281	26.893	90.758	163.918	1.692	554.8
10/17/2022 04:00:00 AM	3.791	26.216	93.837	67.519	1.47	558.2
10/17/2022 05:00:00 AM	3.521	26	92.825	162.802	0.844	558.7
10/17/2022 06:00:00 AM	4.468	25.626	94.192	151.368	1.2	559.5
10/17/2022 07:00:00 AM	25.727	25.608	94.661	114.903	1.192	560.7
10/17/2022 08:00:00 AM	91.264	25.933	95.023	107.499	0.192	562.6
10/17/2022 09:00:00 AM	122.272	25.69	93.23	163.417	0.231	563.9
10/17/2022 10:00:00 AM	160.185	25.445	92.85	110.286	1.067	565.2
10/17/2022 11:00:00 AM	202.567	25.681	89.864	60.268	0.837	565.3
10/17/2022 12:00:00 PM	195.526	25.541	90.479	267.97	0.451	565.7
10/17/2022 01:00:00 PM	97.628	24.683	91.702	269.021	1.014	566.9
10/17/2022 02:00:00 PM	65.13	24.064	91.461	130.534	1.774	567.9

10/17/2022 03:00:00 PM	85.17	23.825	89.173	37.294	0.936	568
10/17/2022 04:00:00 PM	17.738	23.479	89.606	256.7	0.204	568.1
10/17/2022 05:00:00 PM	4.604	23.36	89.09	42.409	1.262	568.2
10/17/2022 06:00:00 PM	-1.625	23.071	88.687	224.11	1.21	568.3
10/17/2022 07:00:00 PM	-0.271	22.765	87.339	144.579	1.444	568.4
10/17/2022 08:00:00 PM	-0.812	22.638	86.837	22.785	0.743	568.5
10/17/2022 09:00:00 PM	-1.625	22.01	87.214	142.112	0.475	568.5
10/17/2022 10:00:00 PM	0.677	21.644	90.289	129.774	0.799	568.9
10/17/2022 11:00:00 PM	1.354	21.502	89.243	161.05	0.196	569.2
10/18/2022 12:00:00 AM	3.25	21.22	91.091	128.556	0.965	569.9
10/18/2022 01:00:00 AM	1.625	20.919	90.872	154.95	1.838	571.3
10/18/2022 02:00:00 AM	3.656	20.583	91.489	151.68	0.79	571.7
10/18/2022 03:00:00 AM	2.844	20.379	91.834	157.919	0.441	572.1
10/18/2022 04:00:00 AM	3.385	20.199	92.316	109.817	0.195	572.4
10/18/2022 05:00:00 AM	1.76	20.367	92.28	143.076	0.195	572.9
10/18/2022 06:00:00 AM	1.896	20.373	91.551	140.906	1.118	573.1
10/18/2022 07:00:00 AM	38.32	20.577	91.486	120.904	0.336	573.5
10/18/2022 08:00:00 AM	46.444	20.734	90.929	203.354	0.384	573.6
10/18/2022 09:00:00 AM	134.052	21.162	85.081	217.476	0.197	573.6
10/18/2022 10:00:00 AM	79.483	20.857	87.483	19.065	0.191	573.7
10/18/2022 11:00:00 AM	93.972	21.248	85.784	138.063	1.064	573.9
10/18/2022 12:00:00 PM	127.417	21.494	82.007	334.299	0.204	573.9
10/18/2022 01:00:00 PM	119.834	21.425	82.271	150.594	2.003	573.9
10/18/2022 02:00:00 PM	107.783	21.293	85.569	48.826	0.632	573.9
10/18/2022 03:00:00 PM	41.028	20.917	86.926	23.935	0.191	573.9
10/18/2022 04:00:00 PM	14.353	21.203	83.512	157.266	0.201	573.9
10/18/2022 05:00:00 PM	7.718	20.855	85.019	95.599	1.325	574
10/18/2022 06:00:00 PM	-0.406	20.536	87.386	105.378	1.032	574
10/18/2022 07:00:00 PM	3.521	20.365	89.277	124.499	0.705	574.2
10/18/2022 08:00:00 PM	3.927	20.54	86.109	147.803	0.194	574.2
10/18/2022 09:00:00 PM	3.927	20.966	81.599	243.998	0.199	574.2
10/18/2022 10:00:00 PM	-0.812	20.246	87.322	99.975	1.36	574.4
10/18/2022 11:00:00 PM	3.25	20.894	86.964	105.081	0.517	574.5
10/19/2022 12:00:00 AM	5.01	20.853	83.187	83.477	0.404	574.5
10/19/2022 01:00:00 AM	3.25	21.061	78.994	145.471	0.778	574.5
10/19/2022 02:00:00 AM	5.01	21.247	77.617	35.202	0.193	574.5
10/19/2022 03:00:00 AM	3.385	20.952	81.097	84.84	0.779	574.5
10/19/2022 04:00:00 AM	2.708	20.815	83.128	82.149	0.527	574.5
10/19/2022 05:00:00 AM	2.708	20.978	82.381	140.444	0.192	574.5
10/19/2022 06:00:00 AM	4.875	21.061	81.18	177.281	0.762	574.5
10/19/2022 07:00:00 AM	21.8	21.616	77.037	53.957	0.191	574.5
10/19/2022 08:00:00 AM	91.805	21.955	75.813	129.334	2.117	574.5
10/19/2022 09:00:00 AM	126.198	22.557	71.978	73.721	0.718	574.5
10/19/2022 10:00:00 AM	127.823	22.717	72.344	48.701	1.034	574.5
10/19/2022 11:00:00 AM	107.377	22.224	75.552	52.61	0.895	574.5
10/19/2022 12:00:00 PM	218.816	22.976	72.783	55.158	0.701	574.5
10/19/2022 01:00:00 PM	112.522	23.293	68.698	100.315	0.194	574.5
10/19/2022 02:00:00 PM	105.075	23.915	63.118	165.548	0.537	574.5
10/19/2022 03:00:00 PM	74.067	23.381	67.296	88.186	0.465	574.5
10/19/2022 04:00:00 PM	32.362	23.298	66.291	201.492	0.195	574.5

10/19/2022 05:00:00 PM	1.083	22.838	70.107	92.799	1.191	574.5
10/19/2022 06:00:00 PM	3.927	22.975	68.801	111.208	1.03	574.5
10/19/2022 07:00:00 PM	1.354	22.865	69.364	357.475	0.203	574.5
10/19/2022 08:00:00 PM	2.708	22.851	69.521	25.931	0.874	574.5
10/19/2022 09:00:00 PM	-0.542	22.831	67.776	155.694	0.788	574.5
10/19/2022 10:00:00 PM	0.271	22.739	65.189	94.821	1.151	574.5
10/19/2022 11:00:00 PM	2.302	22.672	68.097	125.669	1.065	574.5
10/20/2022 12:00:00 AM	2.166	22.88	67.212	183.833	0.774	574.5
10/20/2022 01:00:00 AM	0.135	22.409	66.43	194.182	1.333	574.5
10/20/2022 02:00:00 AM	1.489	22.632	64.078	52.125	0.672	574.5
10/20/2022 03:00:00 AM	1.083	22.508	67.431	297.951	0.306	574.5
10/20/2022 04:00:00 AM	3.656	22.734	69.385	31.239	0.852	574.5
10/20/2022 05:00:00 AM	1.896	22.928	69.924	139.642	1.07	574.5
10/20/2022 06:00:00 AM	5.822	22.904	71.333	86.17	0.19	574.5
10/20/2022 07:00:00 AM	39.403	23.374	71.495	58.414	1.074	574.5
10/20/2022 08:00:00 AM	92.889	23.859	70.729	126.489	0.198	574.5
10/20/2022 09:00:00 AM	132.969	24.476	70.33	150.138	1.395	574.5
10/20/2022 10:00:00 AM	159.915	25.059	67.338	135.226	1.508	574.5
10/20/2022 11:00:00 AM	257.678	25.727	66.036	87.319	0.962	574.5
10/20/2022 12:00:00 PM	212.046	25.762	63.744	39.503	0.194	574.5
10/20/2022 01:00:00 PM	158.019	25.819	64.396	152.111	0.81	574.5
10/20/2022 02:00:00 PM	127.823	25.405	66.697	67.92	0.189	574.5
10/20/2022 03:00:00 PM	89.774	25.025	69.347	94.273	0.194	574.5
10/20/2022 04:00:00 PM	49.017	24.905	71.649	8.76	0.19	574.5
10/20/2022 05:00:00 PM	15.03	24.894	71.719	160.462	0.497	574.5
10/20/2022 06:00:00 PM	1.489	24.524	73.285	139.643	0.423	574.5
10/20/2022 07:00:00 PM	2.166	24.686	72.883	343.405	0.204	574.5
10/20/2022 08:00:00 PM	2.844	24.658	73.725	18.403	0.574	574.5
10/20/2022 09:00:00 PM	1.489	24.519	75.233	67.381	0.697	574.5
10/20/2022 10:00:00 PM	2.708	24.623	75.653	101.477	0.51	574.5
10/20/2022 11:00:00 PM	2.302	24.521	77.323	8.227	0.423	574.5
10/21/2022 12:00:00 AM	2.573	24.646	76.511	85.982	0.193	574.5
10/21/2022 01:00:00 AM	0.812	24.566	75.173	26.839	0.194	574.5
10/21/2022 02:00:00 AM	0.812	24.46	76.119	118.055	0.198	574.5
10/21/2022 03:00:00 AM	-0.677	24.491	74.734	120.766	0.576	574.5
10/21/2022 04:00:00 AM	-0.135	24.353	73.453	140.426	1.11	574.5
10/21/2022 05:00:00 AM	-0.271	23.484	78.005	106.918	0.701	574.5
10/21/2022 06:00:00 AM	5.145	23.367	76.594	88.503	0.869	574.5
10/21/2022 07:00:00 AM	83.952	24.203	74.182	155.973	0.198	574.5
10/21/2022 08:00:00 AM	147.186	25.526	71.018	197.47	0.476	574.5
10/21/2022 09:00:00 AM	383.335	27.661	63.071	185.69	1.255	574.5
10/21/2022 10:00:00 AM	812.03	29.678	54.489	98.956	2.448	574.5
10/21/2022 11:00:00 AM	396.469	28.528	60.277	34.315	0.207	574.5
10/21/2022 12:00:00 PM	449.683	29.223	60.486	151.272	1.514	574.5
10/21/2022 01:00:00 PM	536.75	29.256	58.568	89.343	0.866	574.5
10/21/2022 02:00:00 PM	232.898	28.219	67.636	110.236	1.508	574.5
10/21/2022 03:00:00 PM	209.609	27.41	73.138	120.148	1.118	574.5
10/21/2022 04:00:00 PM	30.331	26.288	81.735	80.67	0.196	574.5
10/21/2022 05:00:00 PM	13.676	25.861	85.872	179.703	1.071	574.5
10/21/2022 06:00:00 PM	0	25.548	89.228	207.904	0.197	574.5

10/21/2022 07:00:00 PM	1.489	25.587	91.679	116.238	0.194	574.5
10/21/2022 08:00:00 PM	2.166	25.805	93.771	105.155	0.407	574.6
10/21/2022 09:00:00 PM	1.489	26.129	94.771	25.864	0.67	574.8
10/21/2022 10:00:00 PM	2.031	26.629	94.471	102.56	1.015	575.1
10/21/2022 11:00:00 PM	2.302	26.766	93.266	139.406	0.448	575.2
10/22/2022 12:00:00 AM	2.437	26.793	93.083	106.984	0.645	575.5
10/22/2022 01:00:00 AM	2.437	27.005	92.882	299.001	0.203	575.7
10/22/2022 02:00:00 AM	3.114	27.159	92.172	147.025	0.235	575.8
10/22/2022 03:00:00 AM	1.896	27.102	92.708	180.063	0.64	575.9
10/22/2022 04:00:00 AM	3.791	27.23	92.627	92.918	0.987	576
10/22/2022 05:00:00 AM	6.499	27.331	92.284	75.989	0.524	576
10/22/2022 06:00:00 AM	6.77	27.386	92.213	162.473	0.502	576.1
10/22/2022 07:00:00 AM	212.588	28.669	89.436	40.401	0.194	576.1
10/22/2022 08:00:00 AM	185.1	29.827	81.814	129.756	0.199	576.1
10/22/2022 09:00:00 AM	462.818	30.71	78.089	149.007	0.632	576.1
10/22/2022 10:00:00 AM	430.05	31.417	74.41	54.905	0.2	576.1
10/22/2022 11:00:00 AM	480.285	30.875	76.236	349.613	1.847	576.1
10/22/2022 12:00:00 PM	577.778	31.084	76.365	54.84	0.655	576.1
10/22/2022 01:00:00 PM	329.714	31.642	73.446	113.727	0.987	576.1
10/22/2022 02:00:00 PM	332.828	31.231	74.548	134.147	0.729	576.1
10/22/2022 03:00:00 PM	258.896	30.724	76.979	114.856	0.7	576.1
10/22/2022 04:00:00 PM	29.654	29.456	81.501	198.141	0.48	576.1
10/22/2022 05:00:00 PM	7.041	27.571	91.57	122.499	0.78	577.5
10/22/2022 06:00:00 PM	1.083	27.288	92.152	132.221	1.334	578.1
10/22/2022 07:00:00 PM	3.927	27.083	93.824	99.791	0.826	580.7
10/22/2022 08:00:00 PM	2.573	26.27	95.874	199.365	0.203	599.9
10/22/2022 09:00:00 PM	2.708	26.295	94.884	92.463	0.194	600.8
10/22/2022 10:00:00 PM	2.708	26.234	93.677	48.672	0.192	601.1
10/22/2022 11:00:00 PM	3.656	25.949	92.369	236.234	0.203	601.1
10/23/2022 12:00:00 AM	2.979	25.802	91.885	346.97	0.379	601.1
10/23/2022 01:00:00 AM	4.604	25.535	90.418	349.061	0.52	601.1
10/23/2022 02:00:00 AM	5.145	25.12	86.862	309.956	0.203	601.1
10/23/2022 03:00:00 AM	4.198	25.069	86.382	12.146	0.977	601.1
10/23/2022 04:00:00 AM	1.354	24.555	89.092	77.349	0.343	601.1
10/23/2022 05:00:00 AM	1.76	24.273	90.94	216.911	0.953	601.1
10/23/2022 06:00:00 AM	2.302	24.19	92.265	107.94	1.001	601.2
10/23/2022 07:00:00 AM	28.841	24.071	89.791	105.466	0.538	601.2
10/23/2022 08:00:00 AM	65.13	24.67	82.311	96.346	0.97	601.2
10/23/2022 09:00:00 AM	118.751	24.114	82.614	46.104	0.194	601.6
10/23/2022 10:00:00 AM	144.749	24.118	79.227	58.536	0.195	601.7
10/23/2022 11:00:00 AM	218.004	24.377	84.129	77.566	0.196	602.4
10/23/2022 12:00:00 PM	360.586	26.003	84.147	177.07	0.523	603
10/23/2022 01:00:00 PM	251.991	26.343	80.275	197.407	0.203	603.2
10/23/2022 02:00:00 PM	80.973	25.632	82.542	109.486	0.939	603.3
10/23/2022 03:00:00 PM	77.181	24.658	87.887	283.848	0.202	604.9
10/23/2022 04:00:00 PM	42.382	25.298	87.531	141.454	0.198	605.1
10/23/2022 05:00:00 PM	7.177	25.26	83.206	4.046	0.184	605.1
10/23/2022 06:00:00 PM	4.198	25.24	79.989	175.893	0.472	605.1
10/23/2022 07:00:00 PM	1.625	25.107	77.921	322.476	0.203	605.1
10/23/2022 08:00:00 PM	0.948	24.555	80.301	104.646	0.196	605.1

10/23/2022 09:00:00 PM	2.031	24.018	82.279	135.831	0.63	605.1
10/23/2022 10:00:00 PM	1.354	24.335	75.026	98.763	0.196	605.1
10/23/2022 11:00:00 PM	1.896	24.438	73.272	139.201	0.196	605.1
10/24/2022 12:00:00 AM	2.302	23.888	76.853	72.563	0.19	605.1
10/24/2022 01:00:00 AM	2.708	23.65	75.504	143.714	0.569	605.1
10/24/2022 02:00:00 AM	-0.812	23.262	79.923	84.229	0.574	605.1
10/24/2022 03:00:00 AM	2.708	23.159	76.715	178.439	0.363	605.1
10/24/2022 04:00:00 AM	1.896	23.732	66.925	47.226	0.864	605.1
10/24/2022 05:00:00 AM	0.406	23.218	67.362	174.524	0.596	605.1
10/24/2022 06:00:00 AM	3.25	22.934	69.452	116.1	0.394	605.1
10/24/2022 07:00:00 AM	48.34	22.95	69.832	144.007	0.209	605.1
10/24/2022 08:00:00 AM	132.969	23.49	68.951	97.624	0.775	605.1
10/24/2022 09:00:00 AM	249.824	25.918	59.819	137.876	0.201	605.1
10/24/2022 10:00:00 AM	767.888	27.423	51.981	79.956	0.424	605.1
10/24/2022 11:00:00 AM	379.408	26.44	49.782	107.682	1.658	605.1
10/24/2022 12:00:00 PM	328.224	26.386	49.58	49.94	0.45	605.1
10/24/2022 01:00:00 PM	825.164	27.692	46.406	331.566	0.207	605.1
10/24/2022 02:00:00 PM	193.631	25.904	51.151	203.485	0.817	605.1
10/24/2022 03:00:00 PM	198.641	24.955	54.152	96.053	1.756	605.1
10/24/2022 04:00:00 PM	108.054	24.53	55.233	115.208	0.954	605.1
10/24/2022 05:00:00 PM	22.342	23.899	56.536	163.721	0.971	605.1
10/24/2022 06:00:00 PM	-0.542	23.36	57.462	124.554	1.158	605.1
10/24/2022 07:00:00 PM	0	23.102	58.803	184.974	0.196	605.1
10/24/2022 08:00:00 PM	-0.135	22.995	60.152	35.507	0.192	605.1
10/24/2022 09:00:00 PM	1.625	23.112	59.767	91.965	0.193	605.1
10/24/2022 10:00:00 PM	1.219	23.002	61.62	124.098	0.626	605.1
10/24/2022 11:00:00 PM	-0.542	22.641	64.247	27.634	0.194	605.1
10/25/2022 12:00:00 AM	0	22.73	61.453	118.673	1.524	605.1
10/25/2022 01:00:00 AM	0.271	22.204	64.637	166.118	0.876	605.1
10/25/2022 02:00:00 AM	-1.354	22.793	62.703	299.384	0.201	605.1
10/25/2022 03:00:00 AM	-1.76	22.189	64.686	154.518	0.446	605.1
10/25/2022 04:00:00 AM	-1.625	22.221	64.466	210.224	0.411	605.1
10/25/2022 05:00:00 AM	1.76	22.604	60.688	356.389	0.205	605.1
10/25/2022 06:00:00 AM	3.927	22.786	59.237	150.122	1.014	605.1
10/25/2022 07:00:00 AM	70.682	22.964	59.776	80.48	0.193	605.1
10/25/2022 08:00:00 AM	124.574	23.65	56.857	108.709	0.195	605.1
10/25/2022 09:00:00 AM	224.097	24.798	54.05	221.594	0.495	605.1
10/25/2022 10:00:00 AM	298.57	25.408	48.039	136.576	1.252	605.1
10/25/2022 11:00:00 AM	602.828	25.767	47.951	137.563	1.251	605.1
10/25/2022 12:00:00 PM	359.097	25.633	46.685	91.833	1.506	605.1
10/25/2022 01:00:00 PM	323.35	25.02	52.003	335.23	2.08	605.1
10/25/2022 02:00:00 PM	802.687	25.676	50.286	149.073	0.762	605.1
10/25/2022 03:00:00 PM	461.193	25.702	49.461	315.875	0.524	605.1
10/25/2022 04:00:00 PM	132.698	24.649	52.986	178.321	0.662	605.1
10/25/2022 05:00:00 PM	14.895	23.786	56.035	109.727	0.196	605.1
10/25/2022 06:00:00 PM	0.271	23.499	59.83	109.532	0.341	605.1
10/25/2022 07:00:00 PM	0.542	23.311	60.493	125.943	0.766	605.1
10/25/2022 08:00:00 PM	1.76	23.325	59.488	128.678	0.51	605.1
10/25/2022 09:00:00 PM	0.135	22.88	61.676	145.1	0.627	605.1
10/25/2022 10:00:00 PM	1.76	23.215	60.329	88.825	0.195	605.1

10/25/2022 11:00:00 PM	0.677	23.096	61.459	87.653	0.193	605.1
10/26/2022 12:00:00 AM	-1.896	22.555	62.94	88.842	0.589	605.1
10/26/2022 01:00:00 AM	-2.437	22.063	65.772	134.786	0.435	605.1
10/26/2022 02:00:00 AM	-0.948	21.451	70.21	145.824	1.334	605.1
10/26/2022 03:00:00 AM	-0.542	21.726	70.492	87.323	0.197	605.1
10/26/2022 04:00:00 AM	0.542	21.6	72.823	97.722	0.806	605.1
10/26/2022 05:00:00 AM	-1.083	21.613	73.826	119.591	1.147	605.1
10/26/2022 06:00:00 AM	5.01	22.249	71.235	107.94	0.196	605.1
10/26/2022 07:00:00 AM	137.979	24.435	63.992	141.238	0.196	605.1
10/26/2022 08:00:00 AM	387.532	26.858	56.95	134.845	0.554	605.1
10/26/2022 09:00:00 AM	593.755	27.652	53.602	97.6	1.159	605.1
10/26/2022 10:00:00 AM	742.567	28.961	50.512	92.005	0.72	605.1
10/26/2022 11:00:00 AM	856.985	29.863	45.639	160.711	1.314	605.1
10/26/2022 12:00:00 PM	908.575	30.202	43.067	122.729	0.489	605.1
10/26/2022 01:00:00 PM	789.146	30.018	45.466	53.999	0.904	605.1
10/26/2022 02:00:00 PM	488.545	29.869	45.754	178.871	1.247	605.1
10/26/2022 03:00:00 PM	444.944	28.801	55.738	53.234	0.261	605.1
10/26/2022 04:00:00 PM	231.951	28.05	56.837	98.859	1.826	605.1
10/26/2022 05:00:00 PM	29.383	26.656	61.364	104.93	0.198	605.1
10/26/2022 06:00:00 PM	0.406	25.787	62.804	93.814	0.196	605.1
10/26/2022 07:00:00 PM	-0.812	25.434	63.902	79.314	0.197	605.1
10/26/2022 08:00:00 PM	-0.542	25.5	63.756	336.73	0.555	605.1
10/26/2022 09:00:00 PM	0.406	25.814	60.687	111.282	0.843	605.1
10/26/2022 10:00:00 PM	1.354	25.741	60.034	206.139	0.751	605.1
10/26/2022 11:00:00 PM	-2.437	25.429	60.322	220.113	0.197	605.1
10/27/2022 12:00:00 AM	-1.083	25.076	63.913	86.432	0.764	605.1
10/27/2022 01:00:00 AM	-1.083	24.507	67.308	102.884	0.537	605.1
10/27/2022 02:00:00 AM	-0.812	23.852	70.547	182.77	1.051	605.1
10/27/2022 03:00:00 AM	-1.354	23.861	70.972	147.071	0.702	605.1
10/27/2022 04:00:00 AM	-1.489	23.526	72.447	111.93	0.464	605.1
10/27/2022 05:00:00 AM	-0.812	23.126	75.54	129.033	0.7	605.1
10/27/2022 06:00:00 AM	3.791	23.043	76.255	110.787	0.198	605.1
10/27/2022 07:00:00 AM	165.737	24.95	69.743	77.759	0.228	605.1
10/27/2022 08:00:00 AM	384.553	27.794	60.092	89.516	0.488	605.1
10/27/2022 09:00:00 AM	584.142	30.058	53.069	142.352	1.303	605.1
10/27/2022 10:00:00 AM	533.5	29.734	53.213	172.017	0.922	605.1
10/27/2022 11:00:00 AM	652.928	31.035	50.278	292.685	0.576	605.1
10/27/2022 12:00:00 PM	867.682	31.319	46.131	356.366	1.128	605.1
10/27/2022 01:00:00 PM	352.191	30.649	49.361	205.975	0.704	605.1
10/27/2022 02:00:00 PM	215.566	29.474	55.606	25.699	1.349	605.1
10/27/2022 03:00:00 PM	177.788	29.277	58.822	181.567	0.821	605.1
10/27/2022 04:00:00 PM	119.293	28.489	61.884	107.4	1.254	605.1
10/27/2022 05:00:00 PM	24.238	27.455	64.831	346.343	0.627	605.1
10/27/2022 06:00:00 PM	0.271	26.506	69.067	176.295	0.641	605.1
10/27/2022 07:00:00 PM	0.677	26.414	70.13	124.141	1.039	605.1
10/27/2022 08:00:00 PM	-1.76	25.992	73.511	56.607	0.709	605.1
10/27/2022 09:00:00 PM	0.948	25.388	81.644	168.093	0.197	605.1
10/27/2022 10:00:00 PM	0.271	25.222	79.128	80.385	0.756	605.1
10/27/2022 11:00:00 PM	1.896	25.186	77.901	15.74	0.194	605.1
10/28/2022 12:00:00 AM	1.083	25.402	77.561	139.376	0.966	605.1

10/28/2022 01:00:00 AM	2.166	25.601	76.294	153.528	1.808	605.1
10/28/2022 02:00:00 AM	-4.198	25.332	78.443	43.381	0.195	605.1
10/28/2022 03:00:00 AM	-5.01	25.049	81.238	42.272	0.195	605.1
10/28/2022 04:00:00 AM	-3.25	24.617	85.075	130.441	1.457	605.1
10/28/2022 05:00:00 AM	1.489	24.853	83.205	139.011	0.999	605.1
10/28/2022 06:00:00 AM	4.333	25.036	81.419	73.524	0.194	605.1
10/28/2022 07:00:00 AM	28.706	24.635	86.419	142.754	0.198	605.3
10/28/2022 08:00:00 AM	150.707	25.397	82.767	122.939	1.19	605.4
10/28/2022 09:00:00 AM	619.618	26.118	81.32	266.397	0.235	605.4
10/28/2022 10:00:00 AM	182.934	25.816	79.385	153.059	1.322	605.4
10/28/2022 11:00:00 AM	1008.504	29.511	60.065	123.431	0.201	605.4
10/28/2022 12:00:00 PM	176.434	28.63	61.221	129.981	0.436	605.4
10/28/2022 01:00:00 PM	853.058	27.591	71.019	151.149	0.2	605.5
10/28/2022 02:00:00 PM	266.479	27.964	70.404	227.617	0.448	605.5
10/28/2022 03:00:00 PM	163.977	27.277	70.338	148.962	0.9	605.5
10/28/2022 04:00:00 PM	49.423	25.546	84.698	32.562	0.613	606.1
10/28/2022 05:00:00 PM	20.311	25.624	77.364	107.337	0.683	606.1
10/28/2022 06:00:00 PM	2.437	25.391	74.894	172.088	0.199	606.1
10/28/2022 07:00:00 PM	0.135	25.445	78.225	130.483	0.196	606.1
10/28/2022 08:00:00 PM	-4.875	24.9	81.68	85.039	0.737	606.1
10/28/2022 09:00:00 PM	2.979	24.757	84.529	176.442	1.522	606.1
10/28/2022 10:00:00 PM	1.625	24.723	88.57	314.329	0.548	607.4
10/28/2022 11:00:00 PM	2.708	24.564	89.471	200.646	0.853	608.9
10/29/2022 12:00:00 AM	2.166	24.602	84.778	99.211	0.724	609
10/29/2022 01:00:00 AM	5.01	24.647	82.803	34.537	1.295	609
10/29/2022 02:00:00 AM	4.604	24.925	79.502	140.202	1.291	609
10/29/2022 03:00:00 AM	2.844	24.938	78.523	341.347	0.588	609
10/29/2022 04:00:00 AM	-1.625	24.589	81.861	100.859	0.879	609
10/29/2022 05:00:00 AM	3.385	24.58	79.869	103.068	0.928	609
10/29/2022 06:00:00 AM	3.114	24.828	79.67	106.562	0.671	609
10/29/2022 07:00:00 AM	26.675	25.009	76.571	161.399	1.207	609
10/29/2022 08:00:00 AM	61.339	25.038	76.834	90.614	0.197	609
10/29/2022 09:00:00 AM	128.907	25.762	74.328	122.877	1.57	609
10/29/2022 10:00:00 AM	110.356	25.967	73.524	121.178	0.858	609
10/29/2022 11:00:00 AM	42.111	24.317	84.87	212.981	0.202	609
10/29/2022 12:00:00 PM	101.555	24.138	86.855	110.827	0.725	609.6
10/29/2022 01:00:00 PM	81.244	24.23	86.256	166.492	0.197	609.6
10/29/2022 02:00:00 PM	45.496	24.416	85.099	104.78	0.212	609.7
10/29/2022 03:00:00 PM	20.446	24.467	83.36	142.538	0.599	609.8
10/29/2022 04:00:00 PM	8.666	24.132	85.672	330.499	0.206	609.8
10/29/2022 05:00:00 PM	0.948	24.02	86.876	155.75	0.199	610.1
10/29/2022 06:00:00 PM	-0.948	24.269	85.932	170.137	0.804	610.4
10/29/2022 07:00:00 PM	2.708	24.663	83.181	98.434	1.441	610.4
10/29/2022 08:00:00 PM	2.979	24.907	81.283	32.795	0.328	610.4
10/29/2022 09:00:00 PM	2.573	24.985	80.626	146.662	1.326	610.4
10/29/2022 10:00:00 PM	-1.896	24.725	82.856	105.178	0.193	610.4
10/29/2022 11:00:00 PM	0.948	24.813	83.708	332.817	0.203	610.4
10/30/2022 12:00:00 AM	0.948	24.832	82.755	356.303	0.205	610.4
10/30/2022 01:00:00 AM	-0.677	24.534	86.472	356.334	0.634	610.5
10/30/2022 02:00:00 AM	1.083	24.497	87.359	72.901	0.673	610.6

10/30/2022 03:00:00 AM	-3.25	24.93	85.111	26.424	1.032	610.6
10/30/2022 04:00:00 AM	-1.625	24.677	86.614	177.61	0.615	610.6
10/30/2022 05:00:00 AM	-0.948	24.615	88.122	198.646	0.196	610.9
10/30/2022 06:00:00 AM	-0.271	24.95	85.992	110.388	0.195	610.9
10/30/2022 07:00:00 AM	67.297	25.256	84.583	106.59	0.786	611
10/30/2022 08:00:00 AM	131.208	25.791	82.937	215.251	0.889	611
10/30/2022 09:00:00 AM	157.071	25.465	85.803	118.737	0.633	611
10/30/2022 10:00:00 AM	66.349	26.023	82.316	310.756	0.764	611.1
10/30/2022 11:00:00 AM	112.929	26.38	80.106	356.396	0.206	611.1
10/30/2022 12:00:00 PM	143.26	25.603	86.293	269.358	0.35	611.2
10/30/2022 01:00:00 PM	146.916	25.515	87.339	149.656	0.198	611.7
10/30/2022 02:00:00 PM	25.727	25.33	87.253	28.486	1.461	612.6
10/30/2022 03:00:00 PM	42.382	24.894	92.062	355.942	0.207	616
10/30/2022 04:00:00 PM	15.03	24.932	90.11	11.595	0.835	617.6
10/30/2022 05:00:00 PM	8.531	25.077	88.684	193.382	0.53	618.4
10/30/2022 06:00:00 PM	1.354	25.176	86.473	139.189	0.23	618.7
10/30/2022 07:00:00 PM	3.521	25.237	87.236	166.45	1.064	619
10/30/2022 08:00:00 PM	2.573	25.332	86.473	137.882	0.605	619
10/30/2022 09:00:00 PM	4.468	24.993	89.386	38.383	0.81	620.4
10/30/2022 10:00:00 PM	3.25	25.552	87.079	47.649	1.014	620.6
10/30/2022 11:00:00 PM	1.489	24.971	90.37	137.885	0.961	623.1
10/31/2022 12:00:00 AM	2.844	25.101	90.347	169.671	0.198	625
10/31/2022 01:00:00 AM	1.896	24.699	92.72	226.623	0.826	628.5
10/31/2022 02:00:00 AM	2.437	24.748	93.262	114.198	0.778	632.5
10/31/2022 03:00:00 AM	2.979	24.778	94.628	214.848	1.439	639.4
10/31/2022 04:00:00 AM	4.062	24.795	93.323	188.142	0.736	642
10/31/2022 05:00:00 AM	2.302	24.807	90.83	50.179	0.196	644
10/31/2022 06:00:00 AM	3.791	24.685	91.549	242.425	0.199	644.5
10/31/2022 07:00:00 AM	29.112	24.664	91.572	350.538	0.951	644.9
10/31/2022 08:00:00 AM	23.019	24.616	89.081	81.951	0.646	645.1
10/31/2022 09:00:00 AM	27.894	24.836	90.997	351.158	0.572	646.4
10/31/2022 10:00:00 AM	169.528	25.039	87.656	41.471	0.972	647.3
10/31/2022 11:00:00 AM	204.734	25.001	88.45	351.826	0.207	647.6
10/31/2022 12:00:00 PM	272.979	25.004	88.743	109.147	0.516	648
10/31/2022 01:00:00 PM	71.088	24.776	89.17	111.101	0.5	648.5
10/31/2022 02:00:00 PM	51.183	24.307	89.61	244.978	0.204	648.9
10/31/2022 03:00:00 PM	27.352	24.249	89.385	153.636	0.584	649.4
10/31/2022 04:00:00 PM	10.562	23.948	91.37	154.917	0.196	650.9
10/31/2022 05:00:00 PM	4.062	23.51	91.878	126.003	0.193	653.4
10/31/2022 06:00:00 PM	2.031	23.369	93.22	199.408	0.197	657.8
10/31/2022 07:00:00 PM	3.521	23.254	94.896	281.309	1.547	659.4
10/31/2022 08:00:00 PM	3.656	22.988	94.949	177.745	0.199	661.3
10/31/2022 09:00:00 PM	2.979	22.786	94.145	356.387	0.847	664.5
10/31/2022 10:00:00 PM	3.114	22.448	89.743	75.871	0.745	666
10/31/2022 11:00:00 PM	3.791	22.021	91.203	241.676	0.849	667.3
11/1/2022 12:00:00 AM	2.302	21.826	91.83	119.203	0.81	669.8