

	Pyranometer [W/m <sup>2</sup> ]	Temperature [°C]	RH [%RH]	Wind Direction [angle]	Wind Speed [m/s]	Rain sensor [mm]
12/1/2021 02:00:00 AM	2.031	17.971	51.371	168.851	0.195	406.8
12/1/2021 03:00:00 AM	0.271	17.608	47.529	117.485	1.033	406.8
12/1/2021 04:00:00 AM	-0.271	17.491	50.362	86.533	1.102	406.8
12/1/2021 05:00:00 AM	0.948	17.3	49.476	136.895	1.172	406.8
12/1/2021 06:00:00 AM	-0.812	16.838	49.655	198.467	0.196	406.8
12/1/2021 07:00:00 AM	23.696	17.188	52.792	132.959	0.497	406.8
12/1/2021 08:00:00 AM	98.305	17.773	51.244	118.817	0.193	406.8
12/1/2021 09:00:00 AM	116.314	17.935	52.773	171.114	1.323	406.8
12/1/2021 10:00:00 AM	227.347	18.43	52.513	123.155	0.4	406.8
12/1/2021 11:00:00 AM	285.165	19.305	45.282	137.729	0.762	406.8
12/1/2021 12:00:00 PM	118.209	19.062	44.818	188.296	0.941	406.8
12/1/2021 01:00:00 PM	144.614	18.437	50.308	125.119	0.858	406.8
12/1/2021 02:00:00 PM	113.876	18.313	52.753	95.235	0.916	406.8
12/1/2021 03:00:00 PM	70.817	18.735	49.484	149.195	0.494	406.8
12/1/2021 04:00:00 PM	42.517	18.096	54.398	118.922	0.794	406.8
12/1/2021 05:00:00 PM	0.542	17.739	56.043	169.937	0.328	406.8
12/1/2021 06:00:00 PM	-0.271	17.615	58.899	102.276	0.806	406.8
12/1/2021 07:00:00 PM	-1.083	17.964	58.014	230.969	1.058	406.8
12/1/2021 08:00:00 PM	-2.302	17.981	56.144	118.447	0.194	406.8
12/1/2021 09:00:00 PM	0.406	17.582	60.884	103.394	0.668	406.8
12/1/2021 10:00:00 PM	-1.625	17.702	60.357	187.768	0.191	406.8
12/1/2021 11:00:00 PM	-5.01	16.693	65.849	131.579	1.265	406.8
12/2/2021 12:00:00 AM	-0.677	16.521	66.895	40.271	0.912	406.8
12/2/2021 01:00:00 AM	-0.948	17.075	67.678	172.199	0.192	406.8
12/2/2021 02:00:00 AM	-1.354	17.287	66.806	78.936	0.193	406.8
12/2/2021 03:00:00 AM	-2.031	17.128	67.758	58.133	0.19	406.8
12/2/2021 04:00:00 AM	-5.687	16.816	68.802	146.463	0.193	406.8
12/2/2021 05:00:00 AM	-4.604	15.967	73.729	229.773	1.239	406.8
12/2/2021 06:00:00 AM	-3.521	16.154	72.461	82.431	0.188	406.8
12/2/2021 07:00:00 AM	35.883	16.17	72.668	106.354	0.19	406.8
12/2/2021 08:00:00 AM	352.327	18.459	64.688	81.833	0.189	406.8
12/2/2021 09:00:00 AM	467.422	21.351	55.018	94.502	0.897	406.8
12/2/2021 10:00:00 AM	105.617	20.387	56.89	78.935	0.191	406.8
12/2/2021 11:00:00 AM	820.019	21.701	53.886	78.59	0.364	406.8
12/2/2021 12:00:00 PM	274.468	22.017	52.214	166.81	0.7	406.8
12/2/2021 01:00:00 PM	189.162	21.536	52.959	265.824	0.417	406.8
12/2/2021 02:00:00 PM	222.878	21.374	54.264	209.032	0.504	406.8
12/2/2021 03:00:00 PM	423.956	20.645	56.927	139.553	0.197	406.8
12/2/2021 04:00:00 PM	72.307	20.121	56.81	101.249	1.388	406.8
12/2/2021 05:00:00 PM	2.573	19.267	61.61	95.591	0.481	406.8
12/2/2021 06:00:00 PM	-5.958	18.546	65.587	79.244	0.595	406.8
12/2/2021 07:00:00 PM	-4.062	17.734	70.352	74.066	0.191	406.8
12/2/2021 08:00:00 PM	-3.114	17.161	73.622	197.545	0.192	406.8
12/2/2021 09:00:00 PM	-2.302	17.044	73.123	125.957	1.417	406.8
12/2/2021 10:00:00 PM	-2.573	16.794	73.867	110.123	0.187	406.8
12/2/2021 11:00:00 PM	-2.708	16.754	71.735	88.828	0.189	406.8
12/3/2021 12:00:00 AM	-2.166	16.019	74.267	208.922	0.198	406.8
12/3/2021 01:00:00 AM	-1.896	15.706	75.914	157.943	0.192	406.8
12/3/2021 02:00:00 AM	-2.708	15.15	77.966	89.873	0.187	406.8
12/3/2021 03:00:00 AM	-4.333	14.793	79.871	37.551	0.188	406.8
12/3/2021 04:00:00 AM	-4.604	14.408	80.093	101.733	0.938	406.8
12/3/2021 05:00:00 AM	-3.791	14.164	79.382	209.974	0.191	406.8

12/3/2021 06:00:00 AM	-3.385	13.855	80.194	128.42	0.346	406.8
12/3/2021 07:00:00 AM	79.348	14.737	75.449	43.332	0.208	406.8
12/3/2021 08:00:00 AM	289.227	17.512	64.285	94.188	0.193	406.8
12/3/2021 09:00:00 AM	475.681	21.694	49.893	177.332	0.729	406.8
12/3/2021 10:00:00 AM	614.473	22.018	35.842	49.234	1.18	406.8
12/3/2021 11:00:00 AM	739.588	23.712	32.781	74.449	0.742	406.8
12/3/2021 12:00:00 PM	731.057	22.638	34.057	163.933	0.71	406.8
12/3/2021 01:00:00 PM	665.927	22.931	32.054	108.772	0.716	406.8
12/3/2021 02:00:00 PM	538.645	22.028	34.302	313.161	0.554	406.8
12/3/2021 03:00:00 PM	353.274	21.433	34.891	343.216	0.204	406.8
12/3/2021 04:00:00 PM	145.562	20.32	38.37	150.404	0.197	406.8
12/3/2021 05:00:00 PM	-1.76	18.772	41.878	139.348	0.194	406.8
12/3/2021 06:00:00 PM	-5.552	17.576	49.447	43.361	0.19	406.8
12/3/2021 07:00:00 PM	-6.499	16.007	58.909	98.745	0.822	406.8
12/3/2021 08:00:00 PM	-5.281	15.531	61.418	241.557	0.198	406.8
12/3/2021 09:00:00 PM	-5.822	15.383	61.322	120.285	0.19	406.8
12/3/2021 10:00:00 PM	-4.333	15.498	59.838	51.896	0.186	406.8
12/3/2021 11:00:00 PM	-4.062	15.201	61.038	58.302	0.325	406.8
12/4/2021 12:00:00 AM	-4.333	15.078	62.899	130.752	1.436	406.8
12/4/2021 01:00:00 AM	-4.875	14.671	64.493	136.835	0.202	406.8
12/4/2021 02:00:00 AM	-5.687	14.58	66.182	142.276	0.192	406.8
12/4/2021 03:00:00 AM	-2.979	14.33	68.534	148.237	0.409	406.8
12/4/2021 04:00:00 AM	-5.281	13.869	71.328	228.767	1.115	406.8
12/4/2021 05:00:00 AM	-3.927	14.273	69.175	199.467	0.192	406.8
12/4/2021 06:00:00 AM	-4.198	14.25	70.464	162.941	0.189	406.8
12/4/2021 07:00:00 AM	66.349	15.476	67.872	241.061	0.546	406.8
12/4/2021 08:00:00 AM	266.073	19.092	55.432	269.934	1.767	406.8
12/4/2021 09:00:00 AM	468.37	21.84	45.604	147.707	1.089	406.8
12/4/2021 10:00:00 AM	689.352	23.457	36.791	85.253	0.19	406.8
12/4/2021 11:00:00 AM	804.854	23.94	37.036	175.69	0.852	406.8
12/4/2021 12:00:00 PM	518.47	23.891	33.138	137.862	1.455	406.8
12/4/2021 01:00:00 PM	284.759	22.861	39.771	88.844	1.428	406.8
12/4/2021 02:00:00 PM	516.574	23.012	41.513	183.485	1.673	406.8
12/4/2021 03:00:00 PM	120.782	22.029	40.47	126.708	0.592	406.8
12/4/2021 04:00:00 PM	132.156	21.47	43.469	102.678	1.624	406.8
12/4/2021 05:00:00 PM	2.708	20.322	50.658	177.254	1.591	406.8
12/4/2021 06:00:00 PM	-4.062	20.098	54.939	97.193	0.553	406.8
12/4/2021 07:00:00 PM	-4.333	19.254	58.352	146.259	0.211	406.8
12/4/2021 08:00:00 PM	-3.521	19.328	60.214	31.226	0.505	406.8
12/4/2021 09:00:00 PM	-3.521	19.625	59.416	78.906	0.63	406.8
12/4/2021 10:00:00 PM	-2.437	19.435	64.806	153.909	0.191	406.8
12/4/2021 11:00:00 PM	-4.739	19.432	67.736	85.905	0.19	406.8
12/5/2021 12:00:00 AM	-3.791	19.021	70.286	59.999	0.189	406.8
12/5/2021 01:00:00 AM	-2.979	19.055	69.849	98.359	0.189	406.8
12/5/2021 02:00:00 AM	-2.437	19.34	68.159	194.553	0.192	406.8
12/5/2021 03:00:00 AM	-4.333	18.619	72.015	160.333	0.559	406.8
12/5/2021 04:00:00 AM	-1.083	18.837	73.088	163.692	1.029	406.8
12/5/2021 05:00:00 AM	-4.198	18.156	84.987	109.694	0.476	406.8
12/5/2021 06:00:00 AM	-2.844	18.055	86.246	134.249	0.192	407
12/5/2021 07:00:00 AM	12.187	18.222	85.3	145.899	0.192	407
12/5/2021 08:00:00 AM	89.503	18.074	89.201	356.49	1.793	408.3
12/5/2021 09:00:00 AM	85.712	19.164	85.384	101.641	1.168	408.3
12/5/2021 10:00:00 AM	186.86	19.746	86.712	107.902	0.192	408.7
12/5/2021 11:00:00 AM	301.549	21.982	73.375	143.525	0.463	408.8
12/5/2021 12:00:00 PM	766.398	23.866	65.269	130.858	0.197	408.8

12/5/2021	01:00:00 PM	470.265	24.546	61.073	90.036	0.714	408.8
12/5/2021	02:00:00 PM	207.984	23.631	64.834	207.486	0.56	408.8
12/5/2021	03:00:00 PM	133.375	23.42	65.737	246.68	0.199	408.8
12/5/2021	04:00:00 PM	55.11	22.268	71.004	61.557	0.324	408.8
12/5/2021	05:00:00 PM	5.822	21.451	75.743	140.796	0.209	408.8
12/5/2021	06:00:00 PM	-1.354	20.817	77.729	135.183	0.196	408.8
12/5/2021	07:00:00 PM	-3.385	20.494	79.572	100.026	0.19	408.8
12/5/2021	08:00:00 PM	-3.521	20.04	83.036	181.033	0.742	408.8
12/5/2021	09:00:00 PM	-2.031	20.201	83.459	94.742	0.496	408.8
12/5/2021	10:00:00 PM	-3.927	20.16	81.048	237.009	0.198	408.8
12/5/2021	11:00:00 PM	-3.25	19.807	83.739	20.187	0.189	408.8
12/6/2021	12:00:00 AM	-2.437	19.59	84.704	104.408	0.369	408.8
12/6/2021	01:00:00 AM	-2.708	19.666	84.142	212.638	0.193	408.8
12/6/2021	02:00:00 AM	-2.437	19.598	83.498	157.939	0.191	408.8
12/6/2021	03:00:00 AM	-3.521	19.515	83.819	93.85	0.191	408.8
12/6/2021	04:00:00 AM	0.406	19.355	84.774	38.914	0.182	408.8
12/6/2021	05:00:00 AM	-0.406	18.838	86.409	110.045	0.79	408.8
12/6/2021	06:00:00 AM	0.677	18.815	86.33	242.143	0.195	408.8
12/6/2021	07:00:00 AM	30.466	18.628	89.045	190.963	0.195	409.6
12/6/2021	08:00:00 AM	83.41	18.933	90.25	120.816	0.19	409.8
12/6/2021	09:00:00 AM	152.196	20.817	85.454	110.153	0.502	409.8
12/6/2021	10:00:00 AM	234.523	21.253	84.345	230.981	0.201	409.9
12/6/2021	11:00:00 AM	245.085	21.836	80.811	33.69	0.429	409.9
12/6/2021	12:00:00 PM	296.133	22.576	74.601	154.478	1.954	410
12/6/2021	01:00:00 PM	257.678	22.244	77.529	123.367	0.666	410.2
12/6/2021	02:00:00 PM	502.763	24.091	68.242	53.565	0.192	410.3
12/6/2021	03:00:00 PM	151.519	22.623	74.061	89.323	0.579	410.3
12/6/2021	04:00:00 PM	15.843	21.189	80.987	102.419	0.288	410.3
12/6/2021	05:00:00 PM	-3.656	20.906	85.264	81.319	1.253	410.3
12/6/2021	06:00:00 PM	-3.521	20.596	86.413	166.925	0.966	410.3
12/6/2021	07:00:00 PM	-0.948	20.353	88.339	103.763	1.15	410.9
12/6/2021	08:00:00 PM	-1.625	19.949	91.458	163.766	0.625	413.9
12/6/2021	09:00:00 PM	-2.166	19.917	92.282	118.197	0.474	417.9
12/6/2021	10:00:00 PM	-0.677	19.985	92.645	279.398	0.195	419.7
12/6/2021	11:00:00 PM	0.542	20.067	92.223	19.425	0.189	420.8
12/7/2021	12:00:00 AM	-0.812	19.894	92.521	242.621	0.197	423
12/7/2021	01:00:00 AM	-0.271	19.812	92.762	91.918	0.192	426.3
12/7/2021	02:00:00 AM	-0.948	19.776	92.952	100.203	0.192	428.6
12/7/2021	03:00:00 AM	-0.406	19.632	92.12	144.001	0.718	429.1
12/7/2021	04:00:00 AM	3.114	20.018	87.481	153.663	1.117	429.1
12/7/2021	05:00:00 AM	4.875	20.451	77.648	108.041	0.752	429.1
12/7/2021	06:00:00 AM	2.437	20.127	79.478	159.508	0.939	429.1
12/7/2021	07:00:00 AM	5.145	19.757	80.702	103.03	0.735	429.2
12/7/2021	08:00:00 AM	22.613	20.184	72.223	166.886	0.195	429.2
12/7/2021	09:00:00 AM	49.965	19.994	73.068	3.957	0.18	429.3
12/7/2021	10:00:00 AM	106.158	20.97	67.28	62.457	0.783	429.3
12/7/2021	11:00:00 AM	74.203	20.863	65.369	131.835	0.729	429.3
12/7/2021	12:00:00 PM	185.777	21.28	62.844	100.753	0.647	429.3
12/7/2021	01:00:00 PM	219.493	21.581	61.033	44.627	0.77	429.3
12/7/2021	02:00:00 PM	240.21	21.544	58.541	186.011	0.193	429.3
12/7/2021	03:00:00 PM	181.038	21.368	61.308	48.463	1.559	429.3
12/7/2021	04:00:00 PM	46.173	20.77	63.281	174.044	0.408	429.3
12/7/2021	05:00:00 PM	0.812	20.358	63.274	154.487	0.701	429.3
12/7/2021	06:00:00 PM	-3.521	19.862	64.303	100.963	0.631	429.3
12/7/2021	07:00:00 PM	-3.114	19.739	64.782	136.663	1.36	429.3

12/7/2021 08:00:00 PM	-1.489	19.645	63.915	52.77	1.021	429.3
12/7/2021 09:00:00 PM	-2.302	19.582	61.969	120.152	0.733	429.3
12/7/2021 10:00:00 PM	-5.416	19.62	63.699	121.901	0.635	429.3
12/7/2021 11:00:00 PM	-2.708	19.448	65.239	158.509	0.418	429.3
12/8/2021 12:00:00 AM	-0.135	19.68	65.224	243.896	0.194	429.3
12/8/2021 01:00:00 AM	-1.489	19.379	68.379	145.264	0.863	429.3
12/8/2021 02:00:00 AM	-2.573	19.754	65.626	157.056	1.128	429.3
12/8/2021 03:00:00 AM	-1.625	19.378	67.658	143.679	0.683	429.3
12/8/2021 04:00:00 AM	-2.573	19.591	66.692	98.011	0.195	429.3
12/8/2021 05:00:00 AM	-5.01	19.033	67.896	100.153	0.431	429.3
12/8/2021 06:00:00 AM	-3.656	19.013	67.044	123.183	0.737	429.3
12/8/2021 07:00:00 AM	27.623	19.342	64.901	130.953	0.522	429.3
12/8/2021 08:00:00 AM	301.278	21.008	62.226	43.64	0.541	429.3
12/8/2021 09:00:00 AM	367.357	23.564	53.666	187.162	0.198	429.3
12/8/2021 10:00:00 AM	627.201	23.856	49.752	161.811	0.197	429.3
12/8/2021 11:00:00 AM	792.125	24.769	41.048	157.618	2.729	429.3
12/8/2021 12:00:00 PM	747.983	25.546	40.438	154.815	0.837	429.3
12/8/2021 01:00:00 PM	675.27	25.617	39.638	146.358	0.237	429.3
12/8/2021 02:00:00 PM	543.926	25.886	39.334	134.882	1.712	429.3
12/8/2021 03:00:00 PM	361.67	25.1	44.095	133.86	0.747	429.3
12/8/2021 04:00:00 PM	196.339	24.371	50.3	80.997	0.193	429.3
12/8/2021 05:00:00 PM	2.708	22.894	57.342	128.005	1.228	429.3
12/8/2021 06:00:00 PM	-2.844	22.291	61.137	141.875	0.998	429.3
12/8/2021 07:00:00 PM	-5.281	21.736	65.28	77.763	0.191	429.3
12/8/2021 08:00:00 PM	-2.437	21.655	66.579	139.104	0.246	429.3
12/8/2021 09:00:00 PM	-3.521	21.507	67.565	130.514	0.193	429.3
12/8/2021 10:00:00 PM	-2.166	21.67	67.747	132.567	1.186	429.3
12/8/2021 11:00:00 PM	-2.166	21.519	68.791	357.049	0.631	429.3
12/9/2021 12:00:00 AM	-3.656	21.883	67.635	118.543	0.195	429.3
12/9/2021 01:00:00 AM	-2.979	21.596	69.411	217.532	0.563	429.3
12/9/2021 02:00:00 AM	-2.844	21.645	69.485	133.776	1.072	429.3
12/9/2021 03:00:00 AM	-0.948	21.496	71.946	185.999	0.198	429.3
12/9/2021 04:00:00 AM	-1.354	21.841	71.424	171.824	0.192	429.3
12/9/2021 05:00:00 AM	-0.135	21.719	73.01	48.731	0.19	429.3
12/9/2021 06:00:00 AM	-1.354	21.589	74.78	101.646	0.189	429.3
12/9/2021 07:00:00 AM	24.373	21.626	75.562	100.054	0.868	429.3
12/9/2021 08:00:00 AM	280.561	24.019	67.743	333.548	0.203	429.3
12/9/2021 09:00:00 AM	237.367	25.99	61.66	326.361	0.207	429.3
12/9/2021 10:00:00 AM	281.238	25.316	65.291	138.918	0.66	429.3
12/9/2021 11:00:00 AM	291.123	25.044	62.502	196.275	0.686	429.3
12/9/2021 12:00:00 PM	360.722	24.74	65.093	237.801	0.346	429.3
12/9/2021 01:00:00 PM	761.659	25.152	63.568	25.927	0.209	429.3
12/9/2021 02:00:00 PM	152.196	24.94	59.281	194.34	0.197	429.3
12/9/2021 03:00:00 PM	109.408	24.969	60.103	98.989	0.193	429.3
12/9/2021 04:00:00 PM	113.47	24.455	62.271	137.278	2.202	429.3
12/9/2021 05:00:00 PM	4.198	23.949	65.466	200.561	0.199	429.3
12/9/2021 06:00:00 PM	-2.166	22.971	70.809	101.214	0.194	429.3
12/9/2021 07:00:00 PM	-3.521	22.035	74.665	117.167	0.603	429.3
12/9/2021 08:00:00 PM	-3.385	21.515	77.076	330.489	0.205	429.3
12/9/2021 09:00:00 PM	-3.25	21.324	76.131	221.108	0.393	429.3
12/9/2021 10:00:00 PM	-0.271	21.998	72.736	142.127	0.192	429.3
12/9/2021 11:00:00 PM	-1.76	22.314	71.629	130.297	0.193	429.3
12/10/2021 12:00:00 AM	-0.677	22.563	69.815	220.103	0.304	429.3
12/10/2021 01:00:00 AM	0.542	22.807	67.079	99.868	0.581	429.3
12/10/2021 02:00:00 AM	0	22.962	64.656	176.081	0.804	429.3

12/10/202 03:00:00 AM	-1.76	23.011	64.296	210.492	0.198	429.3	
12/10/202 04:00:00 AM	0	23.199	63.635	101.746	0.195	429.3	
12/10/202 05:00:00 AM	-1.354	22.884	65.803	122.542	0.647	429.3	
12/10/202 06:00:00 AM	-0.135	22.725	67.852	101.207	0.192	429.3	
12/10/202 07:00:00 AM	22.342	22.727	67.573	81.298	0.741	429.3	
12/10/202 08:00:00 AM	32.227	23.097	70.367	105.898	0.199	429.3	
12/10/202 09:00:00 AM	110.356	23.454	69.926	152.164	0.703	429.3	
12/10/202 10:00:00 AM	198.099	24.498	63.701	104.858	1.572	429.3	
12/10/202 11:00:00 AM	358.284	25.317	58.26	87.871	1.134	429.3	
12/10/202 12:00:00 PM	164.518	25.067	58.279	154.62	2.119	429.3	
12/10/202 01:00:00 PM	186.048	24.987	58.718	100.833	0.404	429.3	
12/10/202 02:00:00 PM	197.693	25.662	56.211	159.821	1.055	429.3	
12/10/202 03:00:00 PM	163.029	25.692	55.891	109.756	1.9	429.3	
12/10/202 04:00:00 PM	83.681	25.134	56.57	126.691	0.455	429.3	
12/10/202 05:00:00 PM	3.791	24.567	60.67	134.971	0.449	429.3	
12/10/202 06:00:00 PM	-2.166	23.355	72.12	81.96	0.765	429.3	
12/10/202 07:00:00 PM	0.271	22.847	75.441	118.987	0.192	429.3	
12/10/202 08:00:00 PM	-1.896	22.77	77.023	188.837	0.248	429.3	
12/10/202 09:00:00 PM	-1.083	22.353	81.302	86.975	0.765	429.3	
12/10/202 10:00:00 PM	-0.677	22.371	80.15	45.3	0.19	429.3	
12/10/202 11:00:00 PM	-2.166	21.991	82.806	125.001	1.69	429.3	
12/11/202 12:00:00 AM	-2.437	22.014	82.438	207.367	0.844	429.3	
12/11/202 01:00:00 AM	-2.573	21.864	83.731	174.64	0.201	429.3	
12/11/202 02:00:00 AM	-1.219	21.643	85.734	0	4.874	0.501	429.3
12/11/202 03:00:00 AM	-3.385	21.574	86.062	0	37.034	0.191	429.3
12/11/202 04:00:00 AM	-1.489	21.386	87.309	0	143.505	0.195	429.3
12/11/202 05:00:00 AM	-0.271	21.429	86.565	0	255.136	0.198	429.3
12/11/202 06:00:00 AM	0.271	21.203	86.204	0	211.743	0.194	429.3
12/11/202 07:00:00 AM	40.216	21.696	85.82	0	88.866	0.189	429.3
12/11/202 08:00:00 AM	265.531	23.954	73.954	0	312.322	0.203	429.3
12/11/202 09:00:00 AM	454.694	26.52	64.843	0	21.53	0.196	429.3
12/11/202 10:00:00 AM	598.089	27.941	57.963	0	257.211	0.444	429.3
12/11/202 11:00:00 AM	691.519	28.356	43.475	0	100.959	0.226	429.3
12/11/202 12:00:00 PM	704.518	28.74	42.855	0	268.265	1.025	429.3
12/11/202 01:00:00 PM	653.47	28.636	41.365	0	148.75	1.244	429.3
12/11/202 02:00:00 PM	523.751	28.672	51.883	0	121.867	0.53	429.3
12/11/202 03:00:00 PM	317.933	27.683	55.351	0	110.799	0.198	429.3
12/11/202 04:00:00 PM	75.692	26.856	52.063	0	266.766	0.204	429.3
12/11/202 05:00:00 PM	3.791	25.347	58.039	0	177.631	0.198	429.3
12/11/202 06:00:00 PM	-3.25	24.343	62.864	0	159.157	0.196	429.3
12/11/202 07:00:00 PM	-2.844	23.869	65.453	0	142.876	1.168	429.3
12/11/202 08:00:00 PM	-1.625	23.711	67.563	0	66.173	0.194	429.3
12/11/202 09:00:00 PM	-1.76	23.378	69.652	0	176.999	0.199	429.3
12/11/202 10:00:00 PM	-1.625	23.028	71.701	0	108.367	0.192	429.3
12/11/202 11:00:00 PM	-2.031	22.712	73.256	0	111.938	0.193	429.3
12/12/202 12:00:00 AM	-1.219	22.279	76.12	0	119.861	0.366	429.3
12/12/202 01:00:00 AM	-2.844	21.986	77.366	0	93.009	0.192	429.3
12/12/202 02:00:00 AM	-2.437	20.823	81.274	0	218.562	1.284	429.3
12/12/202 03:00:00 AM	-1.896	20.805	82.189	0	327.261	0.2	429.3
12/12/202 04:00:00 AM	-2.708	20.606	82.754	0	193.695	0.461	429.3
12/12/202 05:00:00 AM	-1.76	20.553	83.272	0	230.409	0.929	429.3
12/12/202 06:00:00 AM	0.406	20.916	83.313	0	42.691	0.188	429.3
12/12/202 07:00:00 AM	25.186	21.438	81.644	0	112.196	0.195	429.3
12/12/202 08:00:00 AM	77.858	22.123	80.384	0	195.61	0.197	429.3
12/12/202 09:00:00 AM	169.528	22.939	77.17	0	171.126	0.695	429.3

12/12/2021 10:00:00 AM	-7.312	19.728	84.438	0	95.586	1.449	0
12/12/2021 11:00:00 AM	-3.25	19.875	83.576	0	102.645	0.57	0
12/12/2021 12:00:00 PM	0.812	19.992	84.823	0	102.072	0.194	0
12/12/2021 01:00:00 PM	3.385	20.173	81.903	0	92.249	0.195	0
12/12/2021 02:00:00 PM	-0.677	20.015	83.172	0	144.523	0.504	0
12/12/2021 03:00:00 PM	-2.166	20.016	82.21	0	45.007	0.189	0
12/12/2021 04:00:00 PM	1.625	19.893	81.847	0	105.169	0.7	0
12/12/2021 05:00:00 PM	-2.166	19.726	82.049	0	147.062	0.75	0
12/12/2021 06:00:00 PM	-2.437	19.325	83.922	0	48.835	0.614	0
12/12/2021 07:00:00 PM	-0.948	19.226	84.167	0	110.818	0.914	0
12/12/2021 08:00:00 PM	-2.708	19.131	84.103	0	83.717	0.635	0
12/12/2021 09:00:00 PM	-2.302	19.07	85.347	0	83.079	1.537	0.1
12/12/2021 10:00:00 PM	-1.219	19.348	84.646	0	116.103	0.194	0.4
12/12/2021 11:00:00 PM	5.01	19.498	84.398	0	97.308	0.941	0.4
12/13/2021 12:00:00 AM	20.988	19.833	81.21	0	290.035	0.478	0.4
12/13/2021 01:00:00 AM	74.744	19.748	83.319	0	110.77	0.538	0.4
12/13/2021 02:00:00 AM	140.281	20.108	79.805	0	111.189	0.666	0.4
12/13/2021 03:00:00 AM	93.024	19.244	85.017	0	83.148	0.591	0.9
12/13/2021 04:00:00 AM	105.617	19.476	82.434	0	100.653	0.381	1
12/13/2021 05:00:00 AM	61.339	20.746	77.352	0	147.538	0.193	1
12/13/2021 06:00:00 AM	134.052	20.539	80.064	0	88.214	0.189	1
12/13/2021 07:00:00 AM	28.435	19.73	81.852	0	327.864	1.111	1
12/13/2021 08:00:00 AM	45.496	19.902	79.521	0	113.767	1.239	1
12/13/2021 09:00:00 AM	6.229	19.82	78.977	0	113.929	1.067	1
12/13/2021 10:00:00 AM	3.25	19.643	79.561	0	138.304	0.19	1
12/13/2021 11:00:00 AM	2.979	19.2	83.622	0	142.758	0.867	1
12/13/2021 12:00:00 PM	0.677	19.25	83.56	0	115.889	0.191	1
12/13/2021 01:00:00 PM	0.948	19.218	81.187	0	109.007	0.909	1
12/13/2021 02:00:00 PM	0.812	19.056	82.549	0	60.983	1.009	1
12/13/2021 03:00:00 PM	-0.542	19.195	82.229	0	132.786	0.811	1
12/13/2021 04:00:00 PM	-0.677	19.388	79.656	0	135.193	3.074	1
12/13/2021 05:00:00 PM	0.406	19.347	80.946	0	188.547	0.807	1
12/13/2021 06:00:00 PM	1.354	19.653	78.953	0	173.881	0.609	1
12/13/2021 07:00:00 PM	1.489	19.882	79.192	0	173.765	1.013	1
12/13/2021 08:00:00 PM	0.542	19.993	79.162	0	161.625	0.972	1
12/13/2021 09:00:00 PM	-0.406	20.379	77.816	0	149.997	1.535	1
12/13/2021 10:00:00 PM	-2.844	20.039	78.348	0	105.752	1.376	1
12/13/2021 11:00:00 PM	15.301	20.33	77.673	0	350.622	0.204	1
12/14/2021 12:00:00 AM	124.98	21.58	72.446	0	103.429	0.743	1
12/14/2021 01:00:00 AM	242.783	23.838	64.979	0	210.567	0.897	1
12/14/2021 02:00:00 AM	430.997	24.523	63.358	0	99.998	0.954	1
12/14/2021 03:00:00 AM	761.524	25.129	60.286	0	100.931	2.313	1
12/14/2021 04:00:00 AM	705.872	26.347	58.212	0	96.742	0.195	1
12/14/2021 05:00:00 AM	665.385	26.753	55.091	0	355.177	0.598	1
12/14/2021 06:00:00 AM	555.706	27.304	53.144	0	43.681	0.194	1
12/14/2021 07:00:00 AM	148.27	25.889	57.87	0	262.915	0.203	1
12/14/2021 08:00:00 AM	106.7	25.879	57.897	0	172.597	0.99	1
12/14/2021 09:00:00 AM	15.978	24.59	65.283	0	285.064	0.66	1
12/14/2021 10:00:00 AM	-2.708	23.167	70.562	0	79.152	0.883	1
12/14/2021 11:00:00 AM	-2.302	23.281	68.926	0	256.488	0.2	1
12/14/2021 12:00:00 PM	-0.948	23.054	69.899	0	106.554	0.61	1
12/14/2021 01:00:00 PM	-1.625	22.821	70.947	0	239.677	0.197	1
12/14/2021 02:00:00 PM	-1.354	23.094	71.199	0	156.506	1.096	1
12/14/2021 03:00:00 PM	-1.76	22.926	72.531	0	62.083	0.193	1
12/14/2021 04:00:00 PM	-1.083	22.736	74.882	0	57.55	0.463	1

12/14/202 05:00:00 PM	-0.812	23.449	68.83	0	174.351	0.529	1
12/14/202 06:00:00 PM	-2.979	22.16	75.884	0	98.614	0.192	1
12/14/202 07:00:00 PM	-0.271	21.352	77.915	0	88.361	0.191	1
12/14/202 08:00:00 PM	-0.677	20.969	78.773	0	267.86	0.202	1
12/14/202 09:00:00 PM	-0.406	20.967	81.191	0	56.19	0.19	1
12/14/202 10:00:00 PM	0.135	20.376	83.097	0	203.908	0.193	1
12/14/202 11:00:00 PM	18.686	20.388	85.876	0	116.768	0.192	1
12/15/202 12:00:00 AM	110.491	23.305	74.624	0	250.665	0.531	1
12/15/202 01:00:00 AM	461.599	27.646	54.872	0	26.059	0.619	1
12/15/202 02:00:00 AM	330.526	27.617	57.077	0	135.757	0.196	1
12/15/202 03:00:00 AM	487.191	28.819	52.494	0	36.338	0.583	1
12/15/202 04:00:00 AM	726.183	29.439	49.581	0	119.298	0.201	1
12/15/202 05:00:00 AM	661.052	29.889	45.554	0	200.421	1.115	1
12/15/202 06:00:00 AM	553.946	29.656	46.573	0	355.218	0.698	1
12/15/202 07:00:00 AM	392	28.957	49.741	0	171.784	1.73	1
12/15/202 08:00:00 AM	193.631	28.32	51.321	0	182.131	1.278	1
12/15/202 09:00:00 AM	16.249	26.548	58.6	0	130.346	1.154	1
12/15/202 10:00:00 AM	0.677	25.855	62.196	0	143.154	1.426	1
12/15/202 11:00:00 AM	-0.812	25.821	62.195	0	212.547	0.198	1
12/15/202 12:00:00 PM	-1.083	25.608	62.231	0	127.78	0.201	1
12/15/202 01:00:00 PM	0	25.54	62.109	0	250.75	0.202	1
12/15/202 02:00:00 PM	0.271	25.688	62.565	0	98.369	1.119	1
12/15/202 03:00:00 PM	0.271	25.451	64.405	0	24.165	0.194	1
12/15/202 04:00:00 PM	-1.083	24.995	67.558	0	18.276	0.192	1
12/15/202 05:00:00 PM	0.406	25.01	63.84	0	271.556	0.202	1
12/15/202 06:00:00 PM	-2.166	22.776	76.196	0	122.269	0.194	1
12/15/202 07:00:00 PM	-0.135	22.085	79.958	0	356.382	0.206	1
12/15/202 08:00:00 PM	-2.166	21.41	83.672	0	77.509	0.194	1
12/15/202 09:00:00 PM	-2.708	21.108	83.969	0	234.173	0.199	1
12/15/202 10:00:00 PM	-0.677	20.542	84.474	0	259.189	0.379	1
12/15/202 11:00:00 PM	22.071	20.567	87.146	0	109.677	0.191	1
12/16/202 12:00:00 AM	217.733	23.856	73.261	0	131.169	0.197	1
12/16/202 01:00:00 AM	421.925	27.268	54.878	0	159.662	1.022	1
12/16/202 02:00:00 AM	570.195	30.004	47.92	0	354.04	0.21	1
12/16/202 03:00:00 AM	661.729	31.531	43.722	0	45.614	0.528	1
12/16/202 04:00:00 AM	682.311	29.001	54.438	0	97.76	0.676	1
12/16/202 05:00:00 AM	589.964	31.263	47.588	0	288.453	0.975	1
12/16/202 06:00:00 AM	536.208	30.889	44.511	0	123.689	0.202	1
12/16/202 07:00:00 AM	256.865	30.944	42.196	0	351.208	0.211	1
12/16/202 08:00:00 AM	44.007	28.732	53.076	0	183.546	0.698	1
12/16/202 09:00:00 AM	7.041	25.895	66.548	0	24.193	0.19	1
12/16/202 10:00:00 AM	0.812	25.065	72.329	0	143.79	0.198	1
12/16/202 11:00:00 AM	0.271	24.316	75.744	0	87.279	0.973	1
12/16/202 12:00:00 PM	-0.271	23.526	78.212	0	157.61	0.685	1
12/16/202 01:00:00 PM	-0.948	22.616	82.555	0	27.533	0.193	1
12/16/202 02:00:00 PM	-0.948	22.35	83.277	0	27.26	0.194	1
12/16/202 03:00:00 PM	0.271	22.096	80.805	0	139.017	0.653	1
12/16/202 04:00:00 PM	-2.031	21.821	80.379	0	109.863	0.922	1
12/16/202 05:00:00 PM	0	21.977	81.686	0	29.84	0.192	1
12/16/202 06:00:00 PM	3.25	22.027	82.229	0	84.057	0.195	1
12/16/202 07:00:00 PM	2.166	22.223	80.661	0	124.672	0.195	1
12/16/202 08:00:00 PM	1.76	22.6	81.987	0	221.836	0.199	1
12/16/202 09:00:00 PM	-0.406	22.615	80.033	0	161.283	0.284	1
12/16/202 10:00:00 PM	2.573	22.613	78.608	0	140.055	0.193	1
12/16/202 11:00:00 PM	15.301	22.244	74.592	0	153.105	0.198	1

12/17/2021 12:00:00 AM	38.32	22.107	73.968	0	176.09	1.092	1
12/17/2021 01:00:00 AM	29.112	21.719	73.177	0	19.996	0.188	1
12/17/2021 02:00:00 AM	62.558	21.442	70.934	0	260.159	0.744	1
12/17/2021 03:00:00 AM	56.329	21.088	68.572	0	9.617	1.652	1
12/17/2021 04:00:00 AM	46.173	20.626	69.566	0	149.649	0.568	1
12/17/2021 05:00:00 AM	66.078	20.207	70.851	0	18.494	1.654	1
12/17/2021 06:00:00 AM	37.778	19.542	71.855	0	293.722	0.369	1
12/17/2021 07:00:00 AM	43.872	19.078	72.032	0	176.749	0.969	1
12/17/2021 08:00:00 AM	10.968	18.59	71.272	0	318.733	0.202	1
12/17/2021 09:00:00 AM	2.302	18.504	64.094	0	118.335	0.537	1
12/17/2021 10:00:00 AM	0.406	18.486	63.434	0	81.691	0.789	1
12/17/2021 11:00:00 AM	1.354	17.335	72.051	0	203.521	0.194	1
12/17/2021 12:00:00 PM	1.625	17.211	69.898	0	203.15	0.197	1
12/17/2021 01:00:00 PM	0.406	17.846	60.509	0	100.505	0.53	1
12/17/2021 02:00:00 PM	1.76	17.152	64.551	0	226.741	0.574	1
12/17/2021 03:00:00 PM	1.76	16.359	68.143	0	69.529	0.743	1
12/17/2021 04:00:00 PM	1.625	16.423	62.3	0	159.974	0.513	1
12/17/2021 05:00:00 PM	1.219	17.084	54.676	0	52.811	0.189	1
12/17/2021 06:00:00 PM	-0.271	16.785	58.459	0	160.131	2.521	1
12/17/2021 07:00:00 PM	0.406	16.268	64.18	0	96.719	0.189	1
12/17/2021 08:00:00 PM	1.625	16.496	59.353	0	114.885	1.057	1
12/17/2021 09:00:00 PM	1.489	16.947	54.483	0	165.506	0.38	1
12/17/2021 10:00:00 PM	0.948	16.595	57.384	0	199.873	0.451	1
12/17/2021 11:00:00 PM	7.447	16.215	59.881	0	89.319	1.64	1
12/18/2021 12:00:00 AM	25.592	16.373	59.134	0	117.836	0.635	1
12/18/2021 01:00:00 AM	82.056	16.83	61.325	0	62.315	0.298	1
12/18/2021 02:00:00 AM	49.694	16.408	68.078	0	154.768	0.869	1
12/18/2021 03:00:00 AM	236.013	17.579	61.796	0	184.004	1.691	1
12/18/2021 04:00:00 AM	107.377	17.675	62.714	0	98.716	0.242	1
12/18/2021 05:00:00 AM	179.413	18.018	60.552	0	277.933	0.198	1
12/18/2021 06:00:00 AM	77.452	18.08	58.714	0	175.67	0.903	1
12/18/2021 07:00:00 AM	53.756	17.574	61.466	0	108.538	1.845	1
12/18/2021 08:00:00 AM	8.531	17.034	70.453	0	140.739	0.354	1
12/18/2021 09:00:00 AM	-2.166	15.956	81.302	0	180.183	0.193	1
12/18/2021 10:00:00 AM	-5.281	16.077	81.079	0	133.186	0.465	1
12/18/2021 11:00:00 AM	-3.521	16.224	81.543	0	108.682	0.189	1.1
12/18/2021 12:00:00 PM	0.542	16.319	81.279	0	164.474	0.983	1.3
12/18/2021 01:00:00 PM	0.271	16.645	78.758	0	161.55	1.167	1.3
12/18/2021 02:00:00 PM	-0.271	16.187	73.496	0	90.324	0.748	1.3
12/18/2021 03:00:00 PM	0.812	16.351	73.722	0	162.907	0.194	1.3
12/18/2021 04:00:00 PM	0.135	16.656	71.732	0	40.584	0.188	1.3
12/18/2021 05:00:00 PM	1.896	16.631	70.827	0	150.871	0.636	1.3
12/18/2021 06:00:00 PM	1.354	16.826	68.449	0	137.946	0.191	1.3
12/18/2021 07:00:00 PM	0.406	16.817	66	0	135.95	0.706	1.3
12/18/2021 08:00:00 PM	-0.271	16.864	64.571	0	174.481	0.192	1.3
12/18/2021 09:00:00 PM	-0.542	16.855	64.07	0	155.61	0.572	1.3
12/18/2021 10:00:00 PM	-1.76	16.787	64.707	0	125.451	0.519	1.3
12/18/2021 11:00:00 PM	7.718	16.643	65.839	0	101.889	0.48	1.3
12/19/2021 12:00:00 AM	49.017	16.886	66.008	0	160.251	0.192	1.3
12/19/2021 01:00:00 AM	440.476	19.737	54.035	0	89.449	0.191	1.3
12/19/2021 02:00:00 AM	630.451	20.741	45.621	0	126.001	1.563	1.3
12/19/2021 03:00:00 AM	227.347	20.999	43.729	0	132.108	0.609	1.3
12/19/2021 04:00:00 AM	778.585	22.061	42.512	0	144.327	4.202	1.3
12/19/2021 05:00:00 AM	714.809	22.493	41.608	0	192.648	1.699	1.3
12/19/2021 06:00:00 AM	582.246	21.811	44.18	0	157.623	2.518	1.3



12/19/202 07:00:00 AM	188.35	21.271	47.965	0	95.667	0.782	1.3
12/19/202 08:00:00 AM	66.891	19.98	52.281	0	323.352	0.529	1.3
12/19/202 09:00:00 AM	19.634	19.337	55.02	0	78.41	0.855	1.3
12/19/202 10:00:00 AM	-1.896	18.669	59.127	0	30.389	0.683	1.3
12/19/202 11:00:00 AM	-2.031	18.356	61.116	0	26.079	1.021	1.3
12/19/202 12:00:00 PM	-2.302	18.461	60.691	0	250.078	0.799	1.3
12/19/202 01:00:00 PM	-2.166	18.668	60.213	0	153.266	1.03	1.3
12/19/202 02:00:00 PM	-0.135	18.852	61.66	0	117.622	1.077	1.3
12/19/202 03:00:00 PM	-3.25	19.062	61.199	0	57.635	1.14	1.3
12/19/202 04:00:00 PM	-2.573	18.776	63.729	0	162.204	0.327	1.3
12/19/202 05:00:00 PM	-3.791	18.598	65.799	0	106.979	0.191	1.3
12/19/202 06:00:00 PM	-1.489	18.637	66.831	0	195.711	0.194	1.3
12/19/202 07:00:00 PM	-1.625	18.743	67.379	0	101.908	0.939	1.3
12/19/202 08:00:00 PM	-1.625	18.809	68.149	0	159.317	0.193	1.3
12/19/202 09:00:00 PM	-1.896	19.445	67.628	0	116.261	1.332	1.3
12/19/202 10:00:00 PM	-0.406	19.651	66.527	0	229.13	0.196	1.3
12/19/202 11:00:00 PM	13.947	20.089	65.218	0	86.412	0.493	1.3
12/20/202 12:00:00 AM	64.047	20.757	64.297	0	178.37	0.198	1.3
12/20/202 01:00:00 AM	68.786	21.319	63.492	0	159.434	0.207	1.3
12/20/202 02:00:00 AM	265.26	24.464	52.356	0	171.408	0.767	1.3
12/20/202 03:00:00 AM	268.781	24.288	54.241	0	85.209	0.562	1.3
12/20/202 04:00:00 AM	239.669	24.505	54.076	0	103.98	0.193	1.3
12/20/202 05:00:00 AM	271.625	25.56	52.214	0	212.698	0.198	1.3
12/20/202 06:00:00 AM	148.811	24.569	54.845	0	281.2	0.861	1.3
12/20/202 07:00:00 AM	121.459	24.614	54.341	0	154.099	0.193	1.3
12/20/202 08:00:00 AM	48.746	24.036	54.883	0	160.994	0.197	1.3
12/20/202 09:00:00 AM	4.333	22.631	64.121	0	130.883	0.684	1.3
12/20/202 10:00:00 AM	-6.093	21.635	71.139	0	88.955	0.456	1.3
12/20/202 11:00:00 AM	-0.135	21.57	71.232	0	146.87	0.188	1.3
12/20/202 12:00:00 PM	1.083	20.862	77.383	0	255.782	0.511	1.4
12/20/202 01:00:00 PM	0.542	20.996	76.947	0	242.503	0.199	1.4
12/20/202 02:00:00 PM	-0.948	20.791	80.321	0	164.981	0.196	1.4
12/20/202 03:00:00 PM	-0.406	20.382	80.338	0	270.014	2.022	1.4
12/20/202 04:00:00 PM	0.812	20.532	79.776	0	234.865	0.2	1.4
12/20/202 05:00:00 PM	-1.219	20.177	82.465	0	241.483	0.195	1.4
12/21/202 01:00:00 AM	-2.437	20.12	82.588	0	251.248	1.262	1.4
12/21/202 02:00:00 AM	-1.354	20.11	84.116	0	107.861	0.189	1.4
12/21/202 03:00:00 AM	0.542	19.946	84.66	0	265.09	0.585	1.4
12/21/202 04:00:00 AM	-0.677	19.822	85.799	0	286.787	0.409	1.9
12/21/202 05:00:00 AM	2.302	19.634	88.899	0	193.768	0.194	2.3
12/21/202 06:00:00 AM	1.083	19.667	89.198	0	153.585	0.193	2.5
12/21/202 07:00:00 AM	4.333	19.823	89.632	0	265.263	1.233	2.7
12/21/202 08:00:00 AM	45.632	19.985	89.722	0	120.006	0.194	2.9
12/21/202 09:00:00 AM	72.848	20.314	87.634	0	233.604	0.866	3.2
12/21/202 10:00:00 AM	91.128	20.685	87.653	0	206.588	0.197	3.4
12/21/202 11:00:00 AM	82.462	21.37	84.94	0	273.59	0.836	3.5
12/21/202 12:00:00 PM	138.656	22.566	81.045	0	90.906	0.196	3.5
12/21/202 01:00:00 PM	72.578	22.724	80.219	0	32.933	0.189	3.5
12/21/202 02:00:00 PM	92.482	22.396	81.973	0	70.379	0.622	3.5
12/21/202 03:00:00 PM	34.799	22.005	84.573	0	108.686	0.19	3.7
12/21/202 04:00:00 PM	5.552	21.539	87.991	0	321.672	0.202	4.2
12/21/202 05:00:00 PM	0.406	21.033	89.984	0	25.573	0.189	4.4
12/21/202 06:00:00 PM	0.677	20.687	91.853	0	228.465	0.194	5.6
12/21/202 07:00:00 PM	0.812	20.355	92.338	0	98.072	0.189	7.9
12/21/202 08:00:00 PM	1.76	20.134	92.741	0	188.195	0.196	10.5

12/21/2022 09:00:00 PM	1.489	19.895	92.522	0	65.943	0.189	11.4
12/21/2022 10:00:00 PM	1.489	19.825	92.758	0	113.275	0.193	12.6
12/21/2022 11:00:00 PM	0.271	19.88	93.416	0	267.654	0.199	13
12/22/2022 12:00:00 AM	1.083	19.483	93.822	0	250.356	0.938	13.7
12/22/2022 01:00:00 AM	0.677	19.425	94.003	0	254.749	0.567	14.2
12/22/2022 02:00:00 AM	0.135	19.407	93.941	0	200.305	0.195	14.8
12/22/2022 03:00:00 AM	0.812	19.29	94.56	0	169.982	0.371	15.2
12/22/2022 04:00:00 AM	1.219	19.174	94.808	0	290.779	0.691	15.6
12/22/2022 05:00:00 AM	0.542	19.191	94.81	0	288.646	0.202	16.5
12/22/2022 06:00:00 AM	1.489	19.114	95.109	0	271.967	1.098	17.3
12/22/2022 07:00:00 AM	7.041	19.048	94.864	0	137.425	0.301	17.8
12/22/2022 08:00:00 AM	38.049	19.48	94.735	0	230.243	0.197	18
12/22/2022 09:00:00 AM	81.514	19.764	94.014	0	140.577	0.383	18.4
12/22/2022 10:00:00 AM	117.262	19.74	92.116	0	137.903	0.766	18.7
12/22/2022 11:00:00 AM	114.554	20.072	90.203	0	127.86	0.522	18.8
12/22/2022 12:00:00 PM	131.615	20.333	85.925	0	130.009	0.192	18.9
12/22/2022 01:00:00 PM	154.634	20.402	82.392	0	52.831	1.029	19
12/22/2022 02:00:00 PM	119.97	20.208	82.529	0	86.946	0.455	19
12/22/2022 03:00:00 PM	89.097	19.587	84.538	0	116.413	0.191	19
12/22/2022 04:00:00 PM	46.444	19.546	83.797	0	61.387	0.956	19
12/22/2022 05:00:00 PM	4.198	19.223	85.521	0	162.411	0.499	19
12/22/2022 06:00:00 PM	1.083	18.813	87.617	0	82.661	0.93	19
12/22/2022 07:00:00 PM	3.656	18.814	83.972	0	114.653	0.853	19
12/22/2022 08:00:00 PM	2.708	19.036	82.117	0	163.795	0.668	19
12/22/2022 09:00:00 PM	1.896	18.894	82.342	0	172.068	0.656	19
12/22/2022 10:00:00 PM	-2.708	18.736	85.704	0	188.736	0.452	19
12/22/2022 11:00:00 PM	0.135	18.961	87.237	0	123.278	0.194	19
12/23/2022 12:00:00 AM	1.625	19.076	85.839	0	59.579	0.477	19
12/23/2022 01:00:00 AM	1.083	19.031	85.879	0	155.752	0.527	19
12/23/2022 02:00:00 AM	2.437	19.111	86.263	0	113.764	0.784	19
12/23/2022 03:00:00 AM	1.625	19.445	85.477	0	106.377	0.897	19
12/23/2022 04:00:00 AM	-0.812	19.57	86.602	0	108.749	0.403	19
12/23/2022 05:00:00 AM	0.677	19.907	87.241	0	65.774	0.23	19
12/23/2022 06:00:00 AM	0.542	20.221	85.358	0	153.13	1.987	19
12/23/2022 07:00:00 AM	7.041	20.348	83.869	0	130.739	0.992	19
12/23/2022 08:00:00 AM	18.821	20.588	84.253	0	116.642	0.991	19
12/23/2022 09:00:00 AM	45.226	21.06	83.593	0	99.09	0.193	19
12/23/2022 10:00:00 AM	73.932	21.563	82.784	0	111.346	0.19	19
12/23/2022 11:00:00 AM	111.439	22.471	79.815	0	42.731	0.188	19
12/23/2022 12:00:00 PM	276.093	23.144	79.418	0	42.759	0.694	19
12/23/2022 01:00:00 PM	219.087	24.613	73.466	0	120.554	0.196	19
12/23/2022 02:00:00 PM	158.154	25.004	72.869	0	158.397	0.197	19
12/23/2022 03:00:00 PM	108.596	24.422	77.146	0	61.79	0.442	19
12/23/2022 04:00:00 PM	28.977	24.036	79.146	0	55.812	0.188	19
12/23/2022 05:00:00 PM	0.677	23.49	82.289	0	62.115	0.21	19
12/23/2022 06:00:00 PM	1.083	23.063	85.363	0	61.276	0.19	19
12/23/2022 07:00:00 PM	2.708	22.973	86.031	0	265.874	0.201	19
12/23/2022 08:00:00 PM	0.677	22.608	87.934	0	226.715	0.198	19
12/23/2022 09:00:00 PM	1.219	22.287	89.743	0	111.257	0.192	19
12/23/2022 10:00:00 PM	2.979	22.288	89.803	0	339.035	0.204	19
12/23/2022 11:00:00 PM	1.354	22.059	88.786	0	257.508	0.726	19
12/24/2022 12:00:00 AM	2.573	22.114	88.801	0	130.396	0.194	19
12/24/2022 01:00:00 AM	0.135	21.431	89.664	0	29.129	0.19	19
12/24/2022 02:00:00 AM	2.979	21.476	90.992	0	242.5	0.747	19
12/24/2022 03:00:00 AM	3.521	21.393	91.113	0	207.96	0.37	19

12/24/202 04:00:00 AM	3.114	21.297	90.206	0	142.742	0.193	19
12/24/202 05:00:00 AM	2.979	21.381	92.156	0	87.393	0.192	19
12/24/202 06:00:00 AM	2.979	21.276	93.625	0	98.737	0.193	19.8
12/24/202 07:00:00 AM	4.198	20.734	94.045	0	189.628	0.196	20.5
12/24/202 08:00:00 AM	11.239	20.679	93.945	0	82.612	0.189	21.1
12/24/202 09:00:00 AM	37.372	20.588	93.7	0	97.496	0.192	21.7
12/24/202 10:00:00 AM	243.731	20.884	93.365	0	16.564	0.186	22
12/24/202 11:00:00 AM	65.266	21.359	89.847	0	171.988	0.739	22
12/24/202 12:00:00 PM	39.945	20.554	91.444	0	110.724	0.5	22.2
12/24/202 01:00:00 PM	25.863	20.748	91.697	0	231.796	0.198	22.4
12/24/202 02:00:00 PM	28.029	20.611	91.475	0	254.125	0.999	22.6
12/24/202 03:00:00 PM	99.117	21.343	90.19	0	260.318	0.966	22.6
12/24/202 04:00:00 PM	15.03	21.54	86.173	0	115.334	0.189	22.6
12/24/202 05:00:00 PM	11.645	21.214	82.574	0	250.737	0.2	22.6
12/24/202 06:00:00 PM	3.927	21.173	80.06	0	86.201	0.191	22.6
12/24/202 07:00:00 PM	3.791	20.804	83.998	0	76.92	0.192	22.6
12/24/202 08:00:00 PM	4.604	20.634	85.466	0	171.012	0.763	22.6
12/24/202 09:00:00 PM	2.844	20.355	87.249	0	284.963	0.197	22.6
12/24/202 10:00:00 PM	5.552	20.941	77.91	0	203.826	0.192	22.6
12/24/202 11:00:00 PM	4.062	20.583	66.634	0	102.643	0.202	22.6
12/25/202 12:00:00 AM	4.739	20.474	62.714	0	160.611	1.767	22.6
12/25/202 01:00:00 AM	2.708	20.323	67.321	0	111.087	0.642	22.6
12/25/202 02:00:00 AM	2.708	20.317	67.056	0	158.393	1.395	22.6
12/25/202 03:00:00 AM	4.333	20.124	69.647	0	182.109	1.054	22.6
12/25/202 04:00:00 AM	-4.198	19.307	78.276	0	89.376	0.862	22.7
12/25/202 05:00:00 AM	-3.385	19.114	78.445	0	138.233	0.19	22.7
12/25/202 06:00:00 AM	-2.031	18.573	80.943	0	235.485	0.37	23
12/25/202 07:00:00 AM	2.573	18.023	85.161	0	104.805	0.548	23.4
12/25/202 08:00:00 AM	18.686	18.158	87.127	0	138.968	0.689	23.9
12/25/202 09:00:00 AM	39.674	18.427	85.149	0	90.627	0.19	24
12/25/202 10:00:00 AM	43.059	18.322	86.063	0	135.414	1.052	24.8
12/25/202 11:00:00 AM	55.246	18.409	84.639	0	36.399	0.908	25
12/25/202 12:00:00 PM	61.204	18.309	81.159	0	28.184	1.322	25.1
12/25/202 01:00:00 PM	50.1	18.129	81.438	0	270.599	0.206	25.1
12/25/202 02:00:00 PM	26.133	17.897	79.774	0	121.419	0.779	25.1
12/25/202 03:00:00 PM	37.101	17.353	82.684	0	54.825	0.422	25.3
12/25/202 04:00:00 PM	14.082	16.778	87.039	0	111.925	0.586	25.9
12/25/202 05:00:00 PM	2.437	16.587	86.646	0	147.689	0.191	26.5
12/25/202 06:00:00 PM	1.76	16.278	87.949	0	156.362	2.013	27.5
12/25/202 07:00:00 PM	2.166	16.262	87.807	0	136.966	1.955	28.2
12/25/202 08:00:00 PM	0.948	16.173	85.934	0	177.025	0.359	28.3
12/25/202 09:00:00 PM	0.135	16.083	86.124	0	132.11	0.706	29
12/25/202 10:00:00 PM	1.896	15.83	87.004	0	144.92	0.619	29.8
12/25/202 11:00:00 PM	1.76	15.595	88.628	0	149.447	0.55	30.5
12/26/202 12:00:00 AM	1.625	15.479	88.122	0	135.223	1.792	31.1
12/26/202 01:00:00 AM	3.25	15.399	88.247	0	266.328	0.279	31.6
12/26/202 02:00:00 AM	1.896	15.228	88.027	0	140.447	1.254	32
12/26/202 03:00:00 AM	1.489	15.336	89.033	0	147.35	0.188	32.7
12/26/202 04:00:00 AM	2.302	15.09	88.588	0	164.276	2.056	33.5
12/26/202 05:00:00 AM	1.083	15.054	87.441	0	201.437	0.284	33.7
12/26/202 06:00:00 AM	3.385	15.185	86.8	0	118.965	1.451	33.9
12/26/202 07:00:00 AM	19.769	14.772	86.657	0	49.997	0.44	34.3
12/26/202 08:00:00 AM	53.35	14.812	89.109	0	84.185	0.725	35.1
12/26/202 09:00:00 AM	146.645	15.436	84.77	0	171.115	0.94	35.4
12/26/202 10:00:00 AM	238.044	16.23	81.273	0	59.4	0.712	35.6

12/26/202 11:00:00 AM	253.209	16.823	80.591	0	31.924	1.041	35.6
12/26/202 12:00:00 PM	156.123	16.158	83.546	0	127.574	0.292	35.7
12/26/202 01:00:00 PM	181.173	15.952	83.85	0	88.708	0.992	35.7
12/26/202 02:00:00 PM	85.577	15.872	81.351	0	146.368	1.18	35.7
12/26/202 03:00:00 PM	70.547	15.619	83.524	0	42.916	0.188	35.8
12/26/202 04:00:00 PM	28.841	15.794	80.528	0	185.914	0.867	35.8
12/26/202 05:00:00 PM	1.625	14.889	85.932	0	239.849	0.614	35.9
12/26/202 06:00:00 PM	1.219	14.844	87.305	0	171.986	0.341	36.4
12/26/202 07:00:00 PM	-0.542	14.701	87.237	0	284.645	0.198	36.6
12/26/202 08:00:00 PM	0.542	14.688	85.869	0	189.483	0.77	36.8
12/26/202 09:00:00 PM	-1.625	14.794	85.95	0	105.568	0.719	36.8
12/26/202 10:00:00 PM	0.135	14.758	85.943	0	85.4	0.536	36.9
12/26/202 11:00:00 PM	-0.677	14.733	84.763	0	99.214	1.861	36.9
12/27/202 12:00:00 AM	-1.354	14.312	85.974	0	141.195	1.19	37.1
12/27/202 01:00:00 AM	-1.083	14.208	85.889	0	178.53	0.691	37.2
12/27/202 02:00:00 AM	0	14.004	86.471	0	80.899	0.665	37.3
12/27/202 03:00:00 AM	-0.948	14.072	85.567	0	158.202	2.166	37.3
12/27/202 04:00:00 AM	3.521	14.32	83.254	0	142.266	2.592	37.4
12/27/202 05:00:00 AM	-0.271	14.24	85.365	0	99.316	0.523	37.4
12/27/202 06:00:00 AM	0.406	14.121	86.208	0	57.571	0.802	37.7
12/27/202 07:00:00 AM	6.906	14.182	84.984	0	86.28	0.601	38.3
12/27/202 08:00:00 AM	8.531	14.326	85.947	0	249.92	0.496	38.9
12/27/202 09:00:00 AM	35.206	14.469	87.579	0	120.32	1.189	39.6
12/27/202 10:00:00 AM	35.612	14.546	86.37	0	135.86	0.798	40.1
12/27/202 11:00:00 AM	81.65	14.83	83.174	0	52.87	0.907	40.3
12/27/202 12:00:00 PM	93.566	14.99	85.723	0	252.966	0.53	40.5
12/27/202 01:00:00 PM	57.141	15.092	86.528	0	95.893	0.441	40.7
12/27/202 02:00:00 PM	52.402	15.176	84.801	0	143.643	2.982	40.7
12/27/202 03:00:00 PM	30.196	15.359	84.963	0	159.117	0.386	40.7
12/27/202 04:00:00 PM	9.614	15.067	85.224	0	106.565	0.875	40.7
12/27/202 05:00:00 PM	2.166	14.771	86.852	0	88.562	0.188	40.7
12/27/202 06:00:00 PM	2.302	14.98	84.682	0	247.58	0.212	40.7
12/27/202 07:00:00 PM	1.489	15.176	84.035	0	189.659	0.188	40.7
12/27/202 08:00:00 PM	0.542	15.074	87.332	0	150.571	0.911	40.7
12/27/202 09:00:00 PM	3.791	15.332	85.872	0	192.46	1.067	40.7
12/27/202 10:00:00 PM	2.708	15.469	84.897	0	159.896	0.442	40.7
12/27/202 11:00:00 PM	3.25	15.727	84.17	0	220.647	0.53	40.7
12/28/202 12:00:00 AM	0.812	15.695	83.653	0	31.008	1.066	40.7
12/28/202 01:00:00 AM	2.031	15.78	85.402	0	115.872	0.39	40.7
12/28/202 02:00:00 AM	2.031	15.903	84.639	0	127.331	0.189	40.7
12/28/202 03:00:00 AM	2.708	16.07	83.693	0	90.635	0.185	40.7
12/28/202 04:00:00 AM	1.896	15.97	84.801	0	69.325	0.563	40.7
12/28/202 05:00:00 AM	0.677	16.172	84.625	0	204.655	0.749	40.7
12/28/202 06:00:00 AM	2.302	16.354	83.82	0	193.702	0.193	40.7
12/28/202 07:00:00 AM	7.718	16.755	82.689	0	113.189	0.754	40.7
12/28/202 08:00:00 AM	38.455	17.221	80.861	0	200.668	0.208	40.7
12/28/202 09:00:00 AM	277.041	18.973	75.567	0	79.768	1.007	40.7
12/28/202 10:00:00 AM	673.239	21.492	65.299	0	113.428	0.19	40.7
12/28/202 11:00:00 AM	712.777	22.013	65.642	0	90.619	0.568	40.7
12/28/202 12:00:00 PM	435.737	22.212	64.665	0	154.073	0.194	40.7
12/28/202 01:00:00 PM	117.262	21.23	69.262	0	355.066	0.198	40.7
12/28/202 02:00:00 PM	246.574	21.641	69.468	0	90.168	0.593	40.7
12/28/202 03:00:00 PM	159.915	21.086	71.674	0	133.597	2.773	40.7
12/28/202 04:00:00 PM	183.611	21.256	73.181	0	241.58	0.197	40.7
12/28/202 05:00:00 PM	9.885	19.759	80.334	0	2.6	0.57	40.7

12/28/2021 06:00:00 PM	2.031	19.276	83.699	0	270.578	0.273	40.7
12/28/2021 07:00:00 PM	2.166	19.284	84.041	0	138.66	0.194	40.7
12/28/2021 08:00:00 PM	-1.083	18.721	86.236	0	302.295	0.198	40.7
12/28/2021 09:00:00 PM	-1.76	18.627	87.29	0	161.618	1.077	40.7
12/28/2021 10:00:00 PM	-3.114	17.812	88.065	0	116.774	0.188	40.7
12/28/2021 11:00:00 PM	-1.625	17.648	88.065	0	132.662	1.009	40.7
12/29/2021 12:00:00 AM	4.062	17.466	88.951	0	188.88	0.191	40.7
12/29/2021 01:00:00 AM	1.489	18.014	88.065	0	6.95	0.181	40.7
12/29/2021 02:00:00 AM	1.219	17.935	87.518	0	141.417	0.192	40.7
12/29/2021 03:00:00 AM	1.625	18.093	85.211	0	196.03	0.634	40.7
12/29/2021 04:00:00 AM	0	17.82	85.354	0	142.647	0.192	40.7
12/29/2021 05:00:00 AM	2.031	17.604	83.402	0	131.271	0.192	40.7
12/29/2021 06:00:00 AM	2.166	17.711	82.741	0	249.175	0.195	40.7
12/29/2021 07:00:00 AM	7.177	17.871	83.731	0	172.913	0.19	40.7
12/29/2021 08:00:00 AM	29.112	18.157	82.258	0	249.373	0.826	40.7
12/29/2021 09:00:00 AM	126.74	19.258	78.468	0	231.202	0.194	40.7
12/29/2021 10:00:00 AM	154.227	20.474	75.067	0	258.976	0.196	40.7
12/29/2021 11:00:00 AM	315.632	23.386	64.804	0	126.409	0.194	40.7
12/29/2021 12:00:00 PM	155.446	22.096	68.979	0	124.148	0.435	40.7
12/29/2021 01:00:00 PM	477.306	23.819	59.263	0	157.607	0.192	40.7
12/29/2021 02:00:00 PM	402.562	23.392	60.852	0	163.47	0.197	40.7
12/29/2021 03:00:00 PM	401.885	23.806	59.442	0	159.979	0.698	40.7
12/29/2021 04:00:00 PM	50.642	21.134	68.821	0	110.721	0.191	40.7
12/29/2021 05:00:00 PM	10.832	20.513	70.986	0	82.968	0.414	40.7
12/29/2021 06:00:00 PM	0.135	19.919	74.252	0	253.413	0.198	40.7
12/29/2021 07:00:00 PM	3.791	19.7	76.193	0	315.199	0.202	40.7
12/29/2021 08:00:00 PM	0.677	19.473	76.958	0	128.767	0.698	40.7
12/29/2021 09:00:00 PM	0.135	19.684	76.36	0	158.996	0.41	40.7
12/29/2021 10:00:00 PM	2.031	19.401	76.976	0	84.913	0.58	40.7
12/29/2021 11:00:00 PM	2.437	18.86	80.451	0	62.859	0.509	40.7
12/30/2021 12:00:00 AM	2.573	18.423	81.356	0	127.839	1.415	40.7
12/30/2021 01:00:00 AM	2.031	18.468	79.782	0	160.097	0.191	40.7
12/30/2021 02:00:00 AM	1.625	18.284	77.736	0	211.102	0.196	40.7
12/30/2021 03:00:00 AM	1.219	18.027	74.32	0	125.606	0.633	40.7
12/30/2021 04:00:00 AM	2.844	17.937	68.973	0	228.604	0.195	40.7
12/30/2021 05:00:00 AM	1.219	17.919	66.028	0	72.345	0.186	40.7
12/30/2021 06:00:00 AM	2.302	17.839	66.078	0	192.367	1.123	40.7
12/30/2021 07:00:00 AM	9.208	17.69	66.401	0	41.01	1.521	40.7
12/30/2021 08:00:00 AM	27.081	17.453	63.487	0	100.694	0.19	40.7
12/30/2021 09:00:00 AM	161.946	17.803	56.821	0	312.447	0.63	40.7
12/30/2021 10:00:00 AM	142.447	17.774	57.699	0	167.015	1.008	40.7
12/30/2021 11:00:00 AM	159.102	17.804	59.05	0	341.623	0.201	40.7
12/30/2021 12:00:00 PM	206.63	17.817	58.403	0	136.737	1.894	40.7
12/30/2021 01:00:00 PM	179.007	18.331	58.727	0	191.574	0.194	40.7
12/30/2021 02:00:00 PM	106.7	17.933	59.035	0	136.163	2.068	40.7
12/30/2021 03:00:00 PM	93.159	17.713	59.329	0	126.361	0.188	40.7
12/30/2021 04:00:00 PM	54.298	17.573	59.845	0	355.86	0.576	40.7
12/30/2021 05:00:00 PM	4.604	17.302	61.678	0	199.148	0.212	40.7
12/30/2021 06:00:00 PM	1.354	17.124	61.999	0	106.518	0.327	40.7
12/30/2021 07:00:00 PM	1.083	17.121	62.909	0	136.05	1.512	40.7
12/30/2021 08:00:00 PM	1.625	17.042	62.8	0	179.052	0.349	40.7
12/30/2021 09:00:00 PM	0.542	17.007	63.204	0	139.376	0.721	40.7
12/30/2021 10:00:00 PM	0.948	16.883	64.772	0	129.158	1.112	40.7
12/30/2021 11:00:00 PM	1.219	16.936	64.067	0	110.631	0.643	40.7
12/31/2021 12:00:00 AM	0.271	16.905	65.713	0	205.631	0.191	40.7

12/31/2021 01:00:00 AM	0.812	17.01	65.555	0	130.093	0.328	40.7
12/31/2021 02:00:00 AM	1.896	17.067	65.392	0	44.876	0.541	40.7
12/31/2021 03:00:00 AM	3.25	17.22	63.971	0	139.312	0.191	40.7
12/31/2021 04:00:00 AM	1.219	17.432	60.729	0	154.558	0.201	40.7
12/31/2021 05:00:00 AM	0.812	17.42	60.83	0	147.496	1.274	40.7
12/31/2021 06:00:00 AM	0.406	17.344	61.695	0	103.02	0.442	40.7
12/31/2021 07:00:00 AM	15.707	17.337	62.498	0	109.976	1.646	40.7
12/31/2021 08:00:00 AM	66.078	17.758	60.888	0	340.049	0.334	40.7
12/31/2021 09:00:00 AM	142.718	18.437	60.355	0	87.498	0.361	40.7
12/31/2021 10:00:00 AM	177.653	18.917	60.93	0	54.63	1.014	40.7
12/31/2021 11:00:00 AM	178.33	19.266	58.846	0	131.967	0.52	40.7
12/31/2021 12:00:00 PM	101.148	19.057	58.967	0	94.369	1.441	40.7
12/31/2021 01:00:00 PM	77.994	18.57	61.477	0	92.01	0.556	40.7
12/31/2021 02:00:00 PM	52.402	18.15	62.573	0	155.692	0.507	40.7
12/31/2021 03:00:00 PM	33.31	17.449	65.876	0	89.526	1.496	40.7
12/31/2021 04:00:00 PM	44.549	17.481	66.826	0	144.758	0.636	40.7
12/31/2021 05:00:00 PM	6.093	17.245	68.145	0	171.873	1.038	40.7
12/31/2021 06:00:00 PM	1.083	17.159	69.23	0	97.241	1.219	40.7
12/31/2021 07:00:00 PM	0	17.037	72.668	0	38.118	0.185	40.7
12/31/2021 08:00:00 PM	1.625	17.079	74.838	0	117.457	1.2	40.7
12/31/2021 09:00:00 PM	2.031	16.878	78.497	0	111.587	0.188	40.7
12/31/2021 10:00:00 PM	1.219	16.832	81.792	0	211.594	0.191	40.7
12/31/2021 11:00:00 PM	-0.948	16.538	85.953	0	141.738	0.299	40.7
1/1/2022 12:00:00 AM	0.406	16.529	88.079	0	170.685	0.189	40.7