

**DỮ LIỆU QUAN TRẮC NƯỚC THẢI TỰ ĐỘNG TẠI
NHÀ MÁY XỬ LÝ NƯỚC THẢI SỐ 2 KCN GIANG ĐIỀN**

(*) Nguồn dữ liệu quan trắc nước thải tự động tại nhà máy xử lý nước thải số 2 KCN Giang Điền được trích xuất từ Hệ thống quản lý thông tin quan trắc chất lượng môi trường tỉnh Đồng Nai - Sở Tài nguyên và Môi trường tỉnh Đồng Nai

Trạm quan trắc: Nhà máy xử lý nước thải số 2_KCN Giang Điền

Từ thời điểm 01/12/2022 00:00

đến thời điểm 31/12/2022 23:30

Tọa độ X

Tọa độ Y

Thời điểm:	COD Tập Trung (mg/L)	TSS Tập Trung (mg/L)	pH Tập Trung	Lưu lượng đầu ra số 1 (m ³ /h)	N-NH ₄ (mg/L)	Lưu lượng đầu vào số 1 (m ³ /h)	Nhiệt độ (oC)
01/12/2022 00:00	33,6762	8,8864	8,0556	32,9566	0,1001	55,6168	30,73
01/12/2022 00:30	33,8624	8,6476	8,0371	43,0246	0,0999	55,3019	30,73
01/12/2022 01:00	33,8582	9,3035	8,0223	53,9057	0,0998	54,8881	30,64
01/12/2022 01:30	33,6738	3,9712	8,009	36,6525	0,0997	55,5839	30,62
01/12/2022 02:00	33,964	3,7211	7,9908	34,6925	0,0993	56,298	30,52
01/12/2022 02:30	34,0117	3,7754	7,9774	49,6209	0,0991	54,8331	30,52
01/12/2022 03:00	33,901	3,3776	7,966	53,2069	0,0991	56,0636	30,42
01/12/2022 04:00	33,8694	3,5202	7,9444	33,0401	0,0991	55,0346	30,33
01/12/2022 04:30	33,6277	3,5635	7,9293	47,806	0,0987	55,3715	30,33
01/12/2022 05:00	34,047	3,3349	7,9263	55,5888	0,099	58,3232	30,23
01/12/2022 05:30	33,9822	3,4135	7,9128	66,0963	0,0992	56,4005	30,23
01/12/2022 06:00	34,6837	7,4703	7,9031	26,9756	0,099	57,4516	30,13
01/12/2022 06:30	34,5514	3,4135	7,898	34,6222	0,099	55,7047	30,13
01/12/2022 07:00	33,7986	2,7745	7,8829	60,6645	0,0988	58,4331	30,13
01/12/2022 07:30	34,544	2,7543	7,8543	66,4698	0,0986	75,4768	30,13
01/12/2022 08:00	35,6876	2,741	7,8286	36,046	0,0991	73,7665	30,33
01/12/2022 08:30	36,6128	5,2191	7,8132	44,8748	0,0998	74,4477	30,42
01/12/2022 09:00	37,1346	2,8724	7,8099	65,6788	0,1019	74,5283	30,42

01/12/2022 09:30	37,662	2,8734	7,811	58,3706	0,1025	74,1584	30,62
01/12/2022 10:00	37,8474	2,7178	7,8225	28,9663	0,1027	74,9311	30,73
01/12/2022 10:30	37,218	2,7222	7,8356	37,1622	0,1038	75,052	30,83
01/12/2022 11:00	37,3165	2,723	7,8457	52,8597	0,1045	74,2023	30,83
01/12/2022 11:30	37,6819	2,6749	7,8471	51,2469	0,1041	74,8396	30,93
01/12/2022 12:00	36,9306	2,9603	7,8434	19,4916	0,1046	73,5871	31,03
01/12/2022 12:30	37,1481	2,6082	7,8348	27,0986	0,1041	74,3818	31,14
01/12/2022 13:00	37,0712	2,6246	7,8247	53,5057	0,1045	75,8247	31,14
01/12/2022 13:30	37,175	2,5689	7,811	52,7235	0,105	74,4587	31,24
01/12/2022 14:00	37,0536	2,5468	7,794	22,8534	0,1044	75,1435	31,35
01/12/2022 14:30	36,4185	2,546	7,7737	31,2779	0,1044	74,6711	31,45
01/12/2022 15:00	34,3159	3,0929	7,7569	46,7293	0,1055	74,5393	31,45
01/12/2022 15:30	34,704	2,7229	7,7452	54,0023	0,1043	74,7297	31,45
01/12/2022 16:00	34,5235	2,9743	7,7369	29,1025	0,1029	74,5173	31,45
01/12/2022 16:30	33,7154	2,5281	7,7268	18,1204	0,1022	74,4477	31,45
01/12/2022 17:00	33,821	2,4997	7,722	48,8431	0,1018	74,4953	31,35
01/12/2022 17:30	33,5233	2,6579	7,717	43,4245	0,1011	75,0739	31,35
01/12/2022 18:00	33,9766	2,7626	7,7605	44,5012	0,099	73,7665	31,35
01/12/2022 18:30	33,2803	2,5419	7,8961	62,5322	0,0986	75,3779	31,35
01/12/2022 19:00	33,1531	2,6336	8,0266	68,3375	0,0995	75,8027	31,35
01/12/2022 19:30	33,7577	2,5956	8,1304	61,1787	0,1001	75,0996	31,35
01/12/2022 20:00	33,9803	2,7125	8,1643	50,0384	0,1002	76,081	31,24
01/12/2022 20:30	34,139	2,6479	8,1496	59,4956	0,0997	74,5502	31,14
01/12/2022 21:00	34,2296	2,6519	8,1278	73,488	0,0989	75,1984	31,14
01/12/2022 21:30	34,2989	2,5894	8,0947	57,0522	0,0984	75,2753	31,03
01/12/2022 22:00	34,3168	2,5985	8,0649	46,9446	0,0976	73,913	30,93
01/12/2022 22:30	34,1567	2,5527	8,0399	65,7711	0,0968	74,8981	30,91
01/12/2022 23:00	33,9432	2,6031	8,01	70,4074	0,097	74,8615	30,83
01/12/2022 23:30	33,9354	2,8054	7,9784	64,2945	0,0965	75,7697	30,73
02/12/2022 00:00	33,3081	2,6574	7,9586	47,929	0,0962	75,6342	30,62
02/12/2022 00:30	33,736	2,5347	7,9335	64,6988	0,0962	75,4108	30,62

02/12/2022 01:00	34,3466	2,5728	7,912	75,1931	0,0962	73,7116	30,52
02/12/2022 01:30	34,3081	2,903	7,8888	52,2533	0,0961	73,8105	30,42
02/12/2022 02:00	34,5874	2,7739	7,8703	50,7899	0,0962	74,3598	30,42
02/12/2022 02:30	34,3905	2,9632	7,8538	71,2028	0,0958	75,6123	30,33
02/12/2022 03:00	33,5852	2,6089	7,8319	74,0637	0,0962	76,1726	30,33
02/12/2022 03:30	33,4438	2,5736	7,8238	62,7212	0,0961	74,6711	30,23
02/12/2022 04:00	34,0074	2,5807	7,8053	48,7332	0,0961	74,5283	30,23
02/12/2022 04:30	34,3391	2,8453	7,7989	64,066	0,096	75,2863	30,13
02/12/2022 05:00	34,8763	2,5923	7,7871	72,653	0,0964	74,5063	30,12
02/12/2022 05:30	34,7532	2,5252	7,7739	102,7824	0,0965	92,9709	30,03
02/12/2022 06:00	35,2739	2,6149	7,7655	71,6203	0,0964	93,9414	30,03
02/12/2022 06:30	34,7343	2,6659	7,7487	74,468	0,0957	93,4507	30,03
02/12/2022 07:00	35,2973	2,7681	7,7166	96,7354	0,0954	94,5127	30,13
02/12/2022 07:30	35,8746	3,2204	7,6928	87,7177	0,0971	94,1318	30,23
02/12/2022 08:00	33,9687	2,6562	7,6775	59,0517	0,0989	93,6301	30,33
02/12/2022 08:30	34,9675	2,6606	7,6774	62,106	0,1003	93,4836	30,34
02/12/2022 09:00	35,8547	2,6315	7,6808	85,0546	0,101	93,2273	30,33
02/12/2022 09:30	36,4081	2,5958	7,6907	86,0521	0,1008	93,2383	30,42
02/12/2022 10:00	37,7053	3,1669	7,6953	51,4095	0,1007	94,4578	30,62
02/12/2022 10:30	37,7059	2,7849	7,7084	58,6255	0,1018	93,7729	30,73
02/12/2022 11:00	38,5077	9,0018	7,7252	76,9377	0,1024	94,2124	30,73
02/12/2022 11:30	38,5977	7,7176	7,7384	72,5739	0,1026	93,5166	30,83
02/12/2022 12:00	38,8606	8,5689	7,7513	48,0081	0,1025	94,6006	31,03
02/12/2022 12:30	39,718	9,008	7,7594	51,3392	0,1029	93,6631	31,14
02/12/2022 13:00	39,1775	9,7778	7,7694	74,5603	0,1028	92,2092	31,14
02/12/2022 13:30	0	3,47	7,9645	108,4382	0,1089	73,5981	29,84
02/12/2022 14:00	35,7942	2,4563	7,8024	26,6152	0,1029	73,4772	31,35
02/12/2022 14:30	36,7853	2,56	7,7873	21,6581	0,1026	73,935	31,35
02/12/2022 15:00	37,6247	2,7621	7,7859	58,0322	0,1041	75,4768	31,24
02/12/2022 15:30	38,4662	2,9889	7,7761	87,6078	0,1022	75,7002	31,14
02/12/2022 16:00	39,4807	3,2261	7,7661	21,3197	0,1002	74,9201	31,14

02/12/2022 16:30	40,4128	3,537	7,7577	28,7246	0,0992	75,4328	31,14
02/12/2022 17:00	41,2843	3,8081	7,751	68,9703	0,0993	74,6271	31,14
02/12/2022 17:30	41,4414	4,2738	7,7443	110,8289	0,0993	74,997	31,14
02/12/2022 18:00	41,9334	4,4732	7,7381	30,5132	0,0993	75,03	30,93
02/12/2022 18:30	42,8574	4,8604	7,7314	34,1124	0,0978	74,6601	30,93
02/12/2022 19:00	44,3022	5,132	7,7283	78,1507	0,0984	73,7006	30,83
02/12/2022 19:30	45,7735	5,4206	7,7252	104,0568	0,098	73,6201	30,73
02/12/2022 20:00	34,6915	5,5022	7,7235	-2,1035	0,0963	74,0119	30,72
02/12/2022 20:30	35,8987	5,811	7,7202	-2,9473	0,0962	75,2204	30,73
02/12/2022 21:00	36,966	6,5225	7,7171	-0,7719	0,0974	75,6013	30,62
02/12/2022 21:30	38,2089	6,4611	7,7171	-1,4707	0,0975	74,5063	30,62
02/12/2022 22:00	39,3882	6,6487	7,7154	-0,1259	0,0977	73,935	30,61
02/12/2022 22:30	40,7797	6,7097	7,7156	-0,0864	0,0982	75,6013	30,52
02/12/2022 23:00	42,0307	6,9223	7,7106	0,2476	0,0988	75,9712	30,52
02/12/2022 23:30	42,8868	6,9106	7,7123	1,3902	0,0992	74,3159	30,52
03/12/2022 00:00	43,9014	6,972	7,7072	1,5001	0,0992	76,081	30,52
03/12/2022 00:30	44,9791	6,9793	7,7075	2,2911	0,0997	75,3889	30,42
03/12/2022 01:00	46,3258	7,1101	7,7058	5,5035	0,1004	74,7626	30,42
03/12/2022 01:30	47,062	6,9308	7,7058	0,9903	0,1003	74,9091	30,42
03/12/2022 02:00	47,7431	6,8142	7,7008	2,7086	0,1006	75,0996	30,42
03/12/2022 02:30	48,224	6,7682	7,6993	3,2887	0,101	75,041	30,33
03/12/2022 03:00	49,3119	6,7489	7,701	3,2579	0,1015	75,0739	30,33
03/12/2022 03:30	49,6376	6,604	7,7026	4,6862	0,1014	74,986	30,33
03/12/2022 04:00	50,0417	6,7122	7,7163	6,1232	0,1014	75,6672	30,23
03/12/2022 04:30	49,4169	6,6136	7,7247	4,2159	0,1013	74,6271	30,23
03/12/2022 05:00	49,0098	6,6641	7,7314	5,0465	0,1014	75,2094	30,23
03/12/2022 05:30	48,1298	6,5755	7,7401	2,2911	0,1016	72,7814	30,13
03/12/2022 06:00	49,0956	6,6137	7,7535	1,6319	0,1015	75,3889	30,13
03/12/2022 06:30	33,132	6,8614	7,7571	122,5493	0,1027	75,8137	30,03
03/12/2022 07:00	34,793	3,3217	7,7353	137,3415	0,1022	73,9789	30,03
03/12/2022 07:30	35,9011	3,1761	7,7084	212,098	0,101	76,0041	30,03

03/12/2022 08:00	36,4159	2,7252	7,74	119,4994	0,101	73,7556	30,15
03/12/2022 08:30	36,8976	2,6711	7,7633	53,8134	0,1034	74,5832	30,23
03/12/2022 09:00	37,4552	2,8308	7,7631	130,2486	0,1048	74,4038	30,34
03/12/2022 09:30	34,3157	2,734	7,783	158,3345	0,1064	74,1694	30,42
03/12/2022 10:00	35,3084	2,8938	7,7755	70,3283	0,1063	75,7258	30,73
03/12/2022 10:30	34,3863	3,1253	7,8088	97,9176	0,108	74,997	30,83
03/12/2022 11:00	34,7991	3,6249	7,8507	70,7589	0,1097	73,7556	30,83
03/12/2022 11:30	35,6886	4,2416	7,8423	106,6496	0,1091	76,396	30,83
03/12/2022 12:00	36,9455	5,1882	7,8152	54,3363	0,1087	74,5722	30,93
03/12/2022 12:30	37,2974	4,1152	7,8119	26,6811	0,1085	74,8981	30,93
03/12/2022 13:00	37,7357	5,1282	7,8085	69,3746	0,1086	74,7956	30,93
03/12/2022 13:30	39,0998	5,4643	7,7817	51,1371	0,108	74,9531	30,93
03/12/2022 14:00	40,2296	6,2033	7,7614	0,2916	0,1072	74,2463	31
03/12/2022 14:30	41,1661	7,1105	7,7613	60,0098	0,1062	74,5063	31,03
03/12/2022 15:00	41,9935	7,6601	7,7499	34,6485	0,1064	73,7775	30,93
03/12/2022 15:30	42,5271	8,411	7,7501	110,7893	0,1057	74,8066	30,85
03/12/2022 16:00	35,0363	3,2463	7,7549	68,6232	0,1042	74,5502	30,93
03/12/2022 16:30	35,9398	3,4235	7,7451	29,3574	0,1038	73,6091	30,83
03/12/2022 17:00	36,8511	4,101	7,7518	62,3477	0,1043	75,5134	30,83
03/12/2022 17:30	37,4549	4,1224	7,747	62,3609	0,1035	74,5722	30,73
03/12/2022 18:00	38,591	4,3955	7,7334	31,7745	0,1028	75,0629	30,82
03/12/2022 18:30	39,2448	2,7494	7,7587	78,9285	0,1049	73,5761	30,73
03/12/2022 19:00	39,0234	2,7909	7,9022	72,0466	0,1081	74,1144	30,42
03/12/2022 19:30	33,9679	2,6597	8,0217	37,3644	0,1031	75,2314	30,33
03/12/2022 20:30	35,9454	3,889	8,0698	63,5694	0,109	74,9091	30,03
03/12/2022 21:00	36,8867	8,1028	8,06	85,4457	0,1018	73,6091	29,93
03/12/2022 21:30	33,3399	2,8527	8,0399	80,9984	0,1026	74,2353	29,93
03/12/2022 22:00	34,625	2,8032	8,0183	31,0889	0,1049	74,8396	29,84
03/12/2022 22:30	35,5066	2,7706	8,0032	82,9715	0,1073	74,4257	29,84
03/12/2022 23:00	36,6349	2,7967	7,9766	78,2825	0,1094	75,2644	29,74
03/12/2022 23:30	37,757	2,7358	7,9766	34,921	0,1092	73,946	29,74

04/12/2022 00:00	37,7376	2,7729	7,9634	80,3787	0,1113	74,3488	29,64
04/12/2022 00:30	38,8859	2,9069	7,9449	58,5683	0,1125	75,3339	29,64
04/12/2022 01:00	40,1002	2,817	7,9317	88,8998	0,1132	74,7077	29,55
04/12/2022 01:30	41,0519	2,788	7,9216	76,6038	0,1142	73,957	29,55
04/12/2022 02:00	42,2176	2,7873	7,9015	36,692	0,1142	75,4768	29,54
04/12/2022 02:30	43,286	2,7734	7,8984	88,2407	0,1145	76,2275	29,45
04/12/2022 03:00	43,7212	2,7557	7,8815	68,8077	0,1149	75,323	29,45
04/12/2022 03:30	44,3677	2,7006	7,875	36,4767	0,1145	74,7187	29,39
04/12/2022 04:00	44,5436	2,7168	7,8683	79,1966	0,1147	74,4843	29,35
04/12/2022 04:30	42,8453	2,7441	7,8498	57,3466	0,1157	75,0849	29,35
04/12/2022 05:00	42,838	2,7497	7,8501	86,3729	0,1152	74,7736	29,26
04/12/2022 05:30	43,4553	2,7617	7,8366	73,3781	0,1149	75,0849	29,26
04/12/2022 06:00	34,1861	2,7958	7,8248	27,5425	0,1153	75,041	29,26
04/12/2022 06:30	35,0795	2,7866	7,8366	56,0986	0,1157	74,1694	29,26
04/12/2022 07:00	36,162	2,77	7,8147	63,9297	0,116	74,5063	29,26
04/12/2022 07:30	37,0656	2,6711	7,8079	18,7533	0,1162	75,3449	29,26
04/12/2022 08:00	38,066	2,8213	7,8079	76,2126	0,1166	75,3999	29,26
04/12/2022 08:30	38,4874	2,7516	7,8043	62,1455	0,1171	74,5612	29,35
04/12/2022 09:00	39,1633	2,7604	7,8074	81,0643	0,1181	74,4367	29,45
04/12/2022 09:30	39,6623	2,6258	7,8125	61,2578	0,1187	74,8066	29,45
04/12/2022 10:00	40,4929	2,6052	7,8187	24,6508	0,119	74,2133	29,64
04/12/2022 10:30	40,532	2,6538	7,8386	67,441	0,1198	74,8066	29,73
04/12/2022 11:00	40,751	2,625	7,8566	57,9267	0,1216	75,0996	29,93
04/12/2022 11:30	41,2755	2,9292	7,8765	17,2899	0,1219	75,4108	30,03
04/12/2022 12:00	41,8556	2,5971	7,9044	65,7711	0,1227	74,7407	30,23
04/12/2022 12:30	42,2637	2,9664	7,9274	44,4353	0,1234	73,8325	30,42
04/12/2022 13:00	42,4908	2,6159	7,9355	57,3466	0,1252	75,03	30,52
04/12/2022 13:30	43,2622	2,5311	7,9385	55,224	0,1245	75,1215	30,62
04/12/2022 14:00	35,0078	3,4789	7,9382	24,853	0,1233	74,3488	30,73
04/12/2022 14:30	35,449	3,0488	7,9429	61,4072	0,1221	74,3488	30,82
04/12/2022 15:00	35,9586	3,2461	7,9513	43,6003	0,1223	75,9126	30,83

04/12/2022 15:30	36,4309	4,156	7,9546	44,0046	0,1211	74,2133	30,83
04/12/2022 16:00	36,8785	4,0214	7,953	57,562	0,1188	74,9751	30,83
04/12/2022 16:30	37,4369	4,4328	7,9563	34,9342	0,1182	74,5722	30,83
04/12/2022 17:00	37,9309	11,0415	7,9566	71,5631	0,1179	74,3928	30,73
04/12/2022 17:30	38,5997	6,2057	8,0244	59,4956	0,1159	74,3049	30,52
04/12/2022 18:00	39,3018	6,2993	7,9533	34,2618	0,1154	74,6967	30,73
04/12/2022 18:30	38,871	6,5416	7,9415	74,4812	0,1152	74,8615	30,73
04/12/2022 19:00	38,9978	6,7655	7,9301	49,0276	0,1148	76,0481	30,62
04/12/2022 19:30	39,2509	7,1545	7,9187	55,0746	0,1136	75,041	30,52
04/12/2022 20:00	39,6756	7,4938	7,9103	67,8409	0,1132	74,7517	30,52
04/12/2022 20:30	39,7188	7,8124	7,8972	34,5694	0,1127	72,9389	30,42
04/12/2022 21:00	40,4318	8,0266	7,8874	74,4548	0,1126	74,9531	30,33
04/12/2022 21:30	41,2957	8,2805	7,8756	65,7843	0,1123	75,0849	30,33
04/12/2022 22:00	41,9878	8,3983	7,8658	38,9904	0,1117	74,0339	30,23
04/12/2022 22:30	42,2549	9,6838	7,8591	73,3649	0,1131	74,4147	30,22
04/12/2022 23:00	42,7969	9,642	7,851	57,4565	0,1131	74,6271	30,13
04/12/2022 23:30	42,4	10,2431	7,8409	56,0019	0,1133	76,1506	30,13
05/12/2022 00:00	42,3257	10,4916	7,8327	72,8815	0,1136	74,8615	30,06
05/12/2022 00:30	42,6851	10,7782	7,826	39,6364	0,1141	74,3268	30,03
05/12/2022 01:00	43,6021	11,3465	7,8193	77,8958	0,1148	74,8176	30,03
05/12/2022 01:30	43,7411	11,6184	7,8112	65,0723	0,1151	74,2243	29,93
05/12/2022 02:30	44,7628	11,0903	7,7912	76,1995	0,1155	74,3598	29,86
05/12/2022 03:00	43,1063	11,182	7,7845	51,9061	0,1162	75,5244	29,84
05/12/2022 03:30	44,0257	11,4527	7,7828	61,1348	0,116	73,935	29,84
05/12/2022 04:00	43,3	10,6154	7,7797	71,8752	0,1159	74,4843	29,74
05/12/2022 04:30	43,3195	13,835	7,7679	43,3982	0,1162	77,2346	29,74
05/12/2022 05:00	42,8035	10,5327	7,7595	78,7	0,1169	74,9421	29,74
05/12/2022 05:30	42,7948	10,4274	7,7598	67,0499	0,1168	75,7258	29,64
05/12/2022 06:00	43,4476	12,128	7,7497	39,5837	0,1169	74,7517	29,64
05/12/2022 06:30	34,83	2,7442	7,7446	75,6106	0,1174	74,5393	29,64
05/12/2022 07:00	35,6181	2,629	7,743	54,2572	0,1179	74,3598	29,64

05/12/2022 07:30	36,3279	2,6023	7,7362	80,1766	0,1184	74,8615	29,64
05/12/2022 08:00	37,1204	2,6147	7,7345	64,6724	0,1182	75,1106	29,64
05/12/2022 08:30	38,3112	2,8021	7,7273	8,7424	0,1182	73,935	29,84
05/12/2022 09:00	39,1716	2,8264	7,7002	64,189	0,121	74,8615	29,93
05/12/2022 09:30	39,7018	2,8168	7,6815	50,9525	0,1247	76,341	30,03
05/12/2022 10:00	40,56	4,5812	7,6796	40,8185	0,1274	74,0229	30,13
05/12/2022 10:30	34,7977	2,7935	7,671	62,1983	0,129	74,1694	30,23
05/12/2022 11:00	35,7611	2,7829	7,6621	31,0098	0,1308	74,7187	30,42
05/12/2022 11:30	37,0722	2,6645	7,6751	61,0293	0,1321	75,1325	30,62
05/12/2022 12:00	38,0908	2,6622	7,6799	57,4433	0,1324	74,2829	30,73
05/12/2022 12:30	38,8479	2,6625	7,6929	13,9719	0,1341	75,8466	30,93
05/12/2022 13:00	39,4804	2,6451	7,701	59,0957	0,1365	75,2094	31,03
05/12/2022 13:30	40,0498	2,5688	7,6991	45,3186	0,1366	75,2424	31,14
05/12/2022 14:00	34,4187	2,4622	7,7058	40,6032	0,1361	75,3449	31,14
05/12/2022 14:30	35,1807	2,56	7,7005	51,3656	0,1357	74,8505	31,24
05/12/2022 15:00	35,8714	2,5359	7,6904	27,5556	0,1359	75,6013	31,29
05/12/2022 15:30	36,6553	2,4802	7,6869	58,353	0,1359	74,7517	31,35
05/12/2022 16:00	37,5484	2,4643	7,6738	32,271	0,1346	76,0041	31,24
05/12/2022 17:00	33,9655	2,5044	7,6788	35,4044	0,1324	55,0675	31,23
05/12/2022 17:30	35,0117	2,5045	7,6706	23,2973	0,1322	54,9906	31,14
05/12/2022 18:00	36,0924	2,5126	7,6694	83,7142	0,1394	56,7448	30,93
05/12/2022 18:30	33,7557	2,7633	7,7028	70,7062	0,1258	54,6427	31,01
05/12/2022 19:00	35,1446	2,6318	7,7848	52,4818	0,1275	55,4154	31,03
05/12/2022 19:30	36,3736	2,6347	7,8638	29,2871	0,1298	55,8293	30,93
05/12/2022 20:00	37,0595	2,6702	7,9177	41,425	0,1294	55,9611	30,83
05/12/2022 20:30	37,7452	2,6939	7,9231	52,4291	0,1281	55,1591	30,73
05/12/2022 21:00	38,4704	2,6614	7,9264	51,2865	0,1269	54,1959	30,73
05/12/2022 21:30	38,2843	2,7395	7,9117	30,834	0,1267	55,6278	30,62
05/12/2022 22:30	39,015	2,6045	7,8935	53,2069	0,1263	55,6718	30,52
05/12/2022 23:00	37,6634	2,5874	7,8802	51,6644	0,126	56,0746	30,47
05/12/2022 23:30	37,642	2,659	7,8686	27,4062	0,125	69,1705	30,42

06/12/2022 00:00	34,3543	2,6158	7,8569	45,2791	0,1248	74,7846	30,42
06/12/2022 00:30	35,2806	2,6439	7,8403	70,192	0,1246	74,6711	30,33
06/12/2022 01:00	36,1768	2,591	7,8336	74,3977	0,1242	74,6857	30,33
06/12/2022 01:30	36,7502	2,6181	7,8238	45,0242	0,1235	73,7006	30,23
06/12/2022 02:00	35,13	2,682	7,8053	55,7602	0,1228	74,9311	30,23
06/12/2022 02:30	34,968	2,7951	7,7938	73,0837	0,1229	74,8872	30,13
06/12/2022 03:00	36,018	2,6277	7,7821	72,0334	0,1226	74,1474	30,13
06/12/2022 03:30	36,9725	2,5803	7,7706	51,3524	0,1227	75,6233	30,03
06/12/2022 04:00	37,8788	2,6175	7,7571	58,5156	0,1231	75,019	30,03
06/12/2022 04:30	38,0167	2,6171	7,742	78,9549	0,1238	74,6381	30,03
06/12/2022 05:00	37,7523	3,1651	7,7322	72,4377	0,1247	74,5942	29,93
06/12/2022 05:30	38,7728	2,6272	7,7187	42,4182	0,125	75,1106	29,93
06/12/2022 06:00	39,39	2,6071	7,712	54,8329	0,1254	94,4358	29,93
06/12/2022 06:30	40,0895	2,6998	7,7036	88,267	0,1265	95,3623	29,93
06/12/2022 07:00	40,8054	2,6262	7,7002	113,6766	0,1273	94,0879	29,93
06/12/2022 07:30	41,7559	2,656	7,6937	90,2973	0,1279	95,4282	29,84
06/12/2022 08:00	42,0677	2,777	7,6764	58,542	0,1251	94,5676	30,03
06/12/2022 08:30	33,7258	3,5983	7,6491	70,047	0,128	94,0769	30,23
06/12/2022 09:30	37,1166	3,4417	7,6334	69,5504	0,1322	94,0659	30,52
06/12/2022 10:00	38,8742	2,7907	7,643	45,5603	0,133	93,9854	30,73
06/12/2022 10:30	40,1899	2,9408	7,6529	64,5098	0,1343	94,3882	30,83
06/12/2022 11:00	39,6266	2,7032	7,6677	79,6141	0,1348	93,1833	30,93
06/12/2022 11:30	34,1482	2,6504	7,6824	67,1026	0,1341	94,1978	31,14
06/12/2022 12:00	35,3732	2,5965	7,6955	39,487	0,1343	93,9634	31,24
06/12/2022 12:30	36,1812	2,5792	7,712	59,9526	0,1341	93,9963	31,35
06/12/2022 13:00	34,0278	2,5289	7,7151	70,2492	0,1355	95,3623	31,45
06/12/2022 13:30	35,0536	2,465	7,7201	76,1731	0,1341	93,4617	31,45
06/12/2022 14:00	36,149	2,5398	7,7215	45,2527	0,1324	94,1318	31,57
06/12/2022 15:00	38,4179	2,5752	7,7216	60,5459	0,1331	94,1099	31,56
06/12/2022 15:30	39,2368	2,5992	7,7132	72,4509	0,129	94,1978	31,56
06/12/2022 16:00	40,5541	2,755	7,7081	42,1501	0,1273	94,2673	31,61

06/12/2022 16:30	43,4905	3,541	7,7101	69,7921	0,1291	94,6702	31,45
06/12/2022 17:00	46,9054	3,3059	7,7053	90,539	0,1266	93,9854	31,35
06/12/2022 17:30	39,5927	2,968	7,7056	87,4496	0,123	94,1868	31,24
06/12/2022 18:00	38,8189	3,5589	7,6989	64,0791	0,1201	94,1758	31,24
06/12/2022 18:30	34,4166	3,21	7,6924	89,7612	0,12	93,8865	31,14
06/12/2022 19:00	37,0553	3,1129	7,6907	47,4016	0,1197	93,0149	31,14
06/12/2022 19:30	39,7081	3,1146	7,6927	57,7114	0,1188	94,5566	31,03
06/12/2022 20:00	39,9574	3,1905	7,691	71,9411	0,1189	93,3591	31,03
06/12/2022 20:30	42,7716	3,1903	7,6929	89,3569	0,1192	95,084	30,93
06/12/2022 21:00	34,1292	2,8522	7,7532	91,5322	0,1189	93,3701	30,93
06/12/2022 21:30	35,5024	2,8683	7,8406	65,0723	0,1186	93,9744	30,83
06/12/2022 22:00	36,5971	2,7773	7,8607	73,822	0,1195	92,5681	30,83
06/12/2022 22:30	37,433	2,7395	7,8577	92,0552	0,1202	94,0439	30,73
06/12/2022 23:00	36,5476	2,7096	7,851	90,5918	0,1211	93,696	30,73
06/12/2022 23:30	37,2574	2,7071	7,8376	71,0666	0,1219	93,6741	30,73
07/12/2022 00:00	35,5761	2,8343	7,8244	76,1072	0,1223	113,4241	30,62
07/12/2022 00:30	35,8476	2,654	7,8161	106,8254	0,1229	111,9702	30,59
07/12/2022 01:00	36,2507	2,7476	7,8012	118,5854	0,1238	113,3692	30,52
07/12/2022 01:30	35,0166	2,7298	7,7962	92,7715	0,1236	112,721	30,52
07/12/2022 02:00	36,0475	3,907	7,778	97,6759	0,1233	112,5415	30,43
07/12/2022 02:30	37,0127	4,1378	7,7662	115,6937	0,124	112,1827	30,42
07/12/2022 03:00	38,296	4,3973	7,7597	116,5287	0,1241	112,4829	30,33
07/12/2022 03:30	39,0451	4,6159	7,7513	98,4801	0,1237	112,6075	30,33
07/12/2022 04:00	39,2392	3,2872	7,7413	94,4502	0,1238	113,9844	30,33
07/12/2022 04:30	40,4646	3,2798	7,7314	115,5487	0,1234	113,9734	30,23
07/12/2022 05:00	39,2324	3,319	7,7247	122,602	0,123	113,0652	30,22
07/12/2022 05:30	38,1352	3,3142	7,7163	92,6221	0,1223	112,9554	30,22
07/12/2022 06:00	37,3921	3,2344	7,7115	97,0035	0,1223	115,2808	30,13
07/12/2022 06:30	33,8924	2,7306	7,7098	150,9164	0,1219	132,0572	30,13
07/12/2022 07:00	35,6518	2,7903	7,7065	144,2103	0,1215	130,9256	30,13
07/12/2022 07:30	37,2213	2,7571	7,6978	139,385	0,1197	131,9327	30,23

07/12/2022 08:00	37,0938	4,3733	7,6839	107,4846	0,1199	132,2696	30,46
07/12/2022 08:30	37,6998	3,9553	7,6804	124,2808	0,1233	132,6249	30,52
07/12/2022 09:00	39,4595	3,1129	7,6919	137,3547	0,1254	133,8004	30,62
07/12/2022 09:30	41,4537	4,3612	7,6917	123,8764	0,1267	132,0462	30,73
07/12/2022 10:00	43,6598	3,0817	7,7017	67,6695	0,1263	94,011	30,73
07/12/2022 10:30	36,4518	2,9919	7,6999	170,1428	0,1265	93,74	30,78
07/12/2022 11:00	38,483	3,1149	7,713	51,6644	0,1273	92,8684	30,93
07/12/2022 11:30	35,5555	2,9226	7,7195	147,9457	0,1279	113,6255	31,02
07/12/2022 12:00	37,3473	2,907	7,7309	48,2762	0,1274	113,512	31,14
07/12/2022 12:30	38,5695	2,8528	7,7393	133,4479	0,1294	112,2376	31,14
07/12/2022 13:00	34,9244	2,8863	7,7324	118,3964	0,1313	114,0174	31,24
07/12/2022 13:30	35,7326	2,7589	7,7223	104,8083	0,1312	113,6585	31,24
07/12/2022 14:00	36,2254	2,609	7,7137	110,8684	0,1304	114,8341	31,35
07/12/2022 14:30	37,8337	2,7141	7,7056	92,811	0,1317	114,4971	31,24
07/12/2022 15:00	38,4646	2,7441	7,6989	90,6577	0,131	112,1497	31,24
07/12/2022 15:30	40,479	2,7279	7,6938	207,7825	0,1294	113,805	31,24
07/12/2022 16:00	34,1745	2,9593	7,6906	81,8289	0,1278	113,6365	31,2
07/12/2022 16:30	36,0833	2,8452	7,6824	31,4668	0,1278	112,439	31,14
07/12/2022 17:30	39,0073	2,7381	7,6773	90,6709	0,1267	111,8933	31,14
07/12/2022 18:00	39,614	4,4391	7,7918	87,5155	0,1294	112,5196	30,93
07/12/2022 18:30	39,9876	2,7817	7,8759	93,3604	0,1267	113,2337	30,82
07/12/2022 19:00	39,9514	2,8203	7,8879	117,7108	0,1218	113,3362	30,73
07/12/2022 19:30	40,8529	2,8847	7,8845	74,7492	0,1204	112,6954	30,73
07/12/2022 20:00	33,8019	3,2289	7,8677	122,4526	0,1203	113,0323	30,73
07/12/2022 20:30	35,2208	2,9121	7,8476	66,1754	0,1203	112,6844	30,73
07/12/2022 21:00	36,6394	3,0353	7,8345	117,4691	0,1209	112,8528	30,62
07/12/2022 21:30	37,3302	2,9332	7,8177	95,3511	0,1215	113,5596	30,62
07/12/2022 22:00	37,7732	2,8223	7,8043	102,0529	0,1213	112,5745	30,62
07/12/2022 22:30	38,9227	2,8586	7,7878	98,7218	0,1219	113,7244	30,52
07/12/2022 23:00	40,3808	2,7973	7,7744	89,7875	0,1215	115,1014	30,52
07/12/2022 23:30	39,772	2,9773	7,766	89,8667	0,1224	113,0652	30,52

08/12/2022 00:00	40,9896	2,8369	7,7509	120,6684	0,1224	114,4422	30,52
08/12/2022 00:30	37,8454	2,9101	7,7394	74,9514	0,1229	112,1827	30,42
08/12/2022 01:00	36,3094	4,2348	7,7327	122,7075	0,1226	112,8638	30,42
08/12/2022 01:30	37,2353	2,8667	7,7243	67,3312	0,1227	113,3802	30,42
08/12/2022 02:00	38,8814	2,9785	7,7159	118,5282	0,1226	113,4022	30,42
08/12/2022 02:30	38,9694	3,6546	7,7077	94,1118	0,1225	112,5306	30,33
08/12/2022 03:00	38,6955	2,8149	7,706	102,0265	0,1227	113,1788	30,33
08/12/2022 03:30	39,9881	3,0963	7,6993	96,3047	0,1225	112,6514	30,33
08/12/2022 04:00	38,3391	2,9104	7,6926	96,7618	0,1227	113,2117	30,33
08/12/2022 04:30	38,1754	2,8893	7,6859	96,5201	0,1234	112,3401	30,33
08/12/2022 05:00	36,9257	2,7888	7,6844	122,1054	0,1241	112,2046	30,23
08/12/2022 05:30	37,7539	2,8158	7,681	73,5275	0,1251	111,5784	30,23
08/12/2022 06:00	37,714	2,8198	7,6777	130,3673	0,1256	113,816	30,23
08/12/2022 06:30	33,3105	2,8189	7,671	69,8976	0,1267	112,8309	30,23
08/12/2022 07:00	34,6638	2,7706	7,6724	115,3026	0,1272	112,9334	30,33
08/12/2022 07:30	35,8219	2,8153	7,6775	129,8179	0,1283	114,1968	30,33
08/12/2022 08:00	36,5786	3,133	7,6773	86,6146	0,1287	113,523	30,42
08/12/2022 09:00	36,9587	2,8181	7,668	70,4074	0,1324	93,6081	30,83
08/12/2022 09:30	37,5894	2,8295	7,6675	61,2446	0,1363	92,656	31,03
08/12/2022 10:00	38,05	2,8637	7,6658	-3	0,1386	-2	31,03
08/12/2022 10:30	35,4905	3,0316	7,717	34,1388	0,1389	94,2124	31,35
08/12/2022 11:00	34,0944	2,898	7,6898	80,0315	0,1428	94,9705	31,56
08/12/2022 11:30	35,03	3,6565	7,6912	43,0246	0,1441	94,7031	31,66
08/12/2022 12:00	35,3893	4,4528	7,6996	82,1014	0,1445	94,5457	31,66
08/12/2022 12:30	36,6075	5,7025	7,6893	22,4623	0,1426	94,6116	31,77
08/12/2022 13:00	37,2231	7,1144	7,6958	82,0179	0,1407	94,5676	31,87
08/12/2022 13:30	37,8409	9,0411	7,6974	53,4926	0,1392	93,6631	31,88
08/12/2022 14:00	34,1164	2,5288	7,7039	61,7676	0,1366	93,7729	31,97
08/12/2022 14:30	35,3057	2,5655	7,7005	50,7108	0,1339	93,6521	31,97
08/12/2022 15:00	36,8024	2,6564	7,6922	53,1278	0,1312	92,8574	31,97
08/12/2022 15:30	36,4481	2,898	7,6822	58,6123	0,1294	132,5699	31,97

08/12/2022 16:00	34,7962	2,7267	7,6805	100,0665	0,129	114,2737	31,97
08/12/2022 16:30	34,5379	2,5435	7,6607	47,8719	0,1272	113,3582	31,87
08/12/2022 17:00	35,6367	2,5906	7,6623	101,2882	0,1235	112,9114	31,87
08/12/2022 17:30	36,9208	2,6798	7,6841	70,7853	0,1211	113,0652	31,87
08/12/2022 18:00	37,8381	2,6115	7,7977	115,8695	0,1212	111,4209	31,87
08/12/2022 18:30	38,3198	2,7215	7,8912	85,5951	0,1216	112,8968	31,87
08/12/2022 19:00	34,6684	2,8043	7,9066	117,5614	0,1214	112,8199	31,77
08/12/2022 19:30	36,1265	2,7459	7,9002	114,5116	0,1206	112,5196	31,66
08/12/2022 20:00	37,0933	2,8295	7,8905	94,9204	0,1192	112,721	31,56
08/12/2022 20:30	38,548	106,0382	7,867	114,0545	0,1179	112,7979	31,56
08/12/2022 21:00	35,9044	2,7292	7,8423	108,2229	0,1165	112,45	31,45
08/12/2022 21:30	36,5781	2,7227	7,8225	105,7927	0,1167	113,501	31,35
08/12/2022 22:00	37,2657	2,6518	7,8074	127,8272	0,1158	112,6734	31,35
08/12/2022 22:30	36,0093	2,7164	7,7893	84,1273	0,1154	113,6255	31,24
08/12/2022 23:00	37,3076	2,8045	7,7692	130,8946	0,1152	113,4461	31,24
08/12/2022 23:30	38,4613	2,7808	7,7577	97,5133	0,1156	114,0394	31,14
09/12/2022 00:00	34,9466	2,6669	7,7477	126,6055	0,1153	113,49	31,12
09/12/2022 00:30	36,6124	2,6613	7,7329	113,4085	0,1151	113,7134	31,03
09/12/2022 01:00	36,2172	2,6876	7,7228	102,1496	0,1151	114,1639	31,03
09/12/2022 01:30	35,9707	2,6531	7,7147	116,7001	0,1155	112,3951	30,93
09/12/2022 02:00	36,2761	2,6051	7,7046	109,1633	0,1154	114,1382	30,93
09/12/2022 02:30	36,2897	2,6493	7,6997	107,5505	0,115	113,2557	30,9
09/12/2022 03:00	36,7274	2,6464	7,6914	128,8116	0,1153	113,3582	30,83
09/12/2022 03:30	36,4785	2,6536	7,683	83,6043	0,1154	112,1936	30,83
09/12/2022 04:00	37,2734	2,6612	7,6766	131,8351	0,1156	112,3291	30,73
09/12/2022 04:30	37,7363	2,7112	7,6749	92,7144	0,1157	112,2376	30,73
09/12/2022 05:00	37,4996	2,6476	7,6665	118,7567	0,116	113,1897	30,73
09/12/2022 05:30	38,7183	2,7687	7,6651	124,2412	0,1166	113,3912	30,62
09/12/2022 06:00	39,3535	2,7278	7,6617	134,8585	0,117	93,8096	30,62
09/12/2022 06:30	35,7173	2,6762	7,6634	101,464	0,1168	94,2564	30,62
09/12/2022 07:00	36,4365	2,7535	7,66	109,3787	0,1167	94,1978	30,62

09/12/2022 07:30	37,3914	2,711	7,6529	64,7911	0,117	94,3003	30,83
09/12/2022 08:00	38,3194	2,9942	7,6511	102,567	0,1202	94,1538	30,88
09/12/2022 08:30	39,6366	2,6315	7,6474	29,3838	0,1205	94,7251	31,03
09/12/2022 09:00	40,0118	2,6205	7,6505	72,9606	0,1224	94,1648	31,14
09/12/2022 09:30	35,9476	2,725	7,6604	58,9199	0,1228	93,7986	31,24
09/12/2022 10:00	37,2086	2,6078	7,6752	76,2829	0,1239	95,0254	31,35
09/12/2022 10:30	38,215	2,5685	7,6833	63,1783	0,1239	95,117	31,45
09/12/2022 11:00	39,2782	2,818	7,6898	57,0522	0,1238	94,033	31,56
09/12/2022 11:30	38,732	2,6217	7,6929	61,9829	0,125	94,022	31,66
09/12/2022 12:00	39,2625	2,5105	7,6977	72,7453	0,1247	92,9123	31,77
09/12/2022 12:30	40,018	2,6797	7,6958	36,4239	0,1243	94,1428	31,87
09/12/2022 13:00	39,9329	2,6072	7,6972	73,945	0,1236	74,9311	31,97
09/12/2022 13:30	39,9176	2,5283	7,6986	11,9548	0,1253	74,6381	32,08
09/12/2022 14:00	39,6598	2,5062	7,7036	65,9337	0,1239	75,4438	32,08
09/12/2022 14:30	39,33	2,5105	7,7067	45,5076	0,123	74,7407	32,19
09/12/2022 15:00	39,7047	2,5794	7,7084	55,936	0,1216	76,0261	32,19
09/12/2022 15:30	39,6533	2,6268	7,7103	52,1083	0,1219	73,7006	32,09
09/12/2022 16:00	39,8123	2,4974	7,7022	18,8324	0,12	74,1584	31,97
09/12/2022 16:30	35,621	2,5264	7,6922	36,6393	0,1177	74,1474	31,97
09/12/2022 17:00	36,7516	2,547	7,679	50,6976	0,1156	74,2719	31,87
09/12/2022 17:30	37,61	2,5924	7,6674	70,9611	0,1145	74,8981	31,87
09/12/2022 18:00	38,9823	2,6399	7,6843	85,1381	0,1134	75,6892	31,77
09/12/2022 18:30	40,2047	2,7416	7,7779	52,2928	0,1132	75,008	31,77
09/12/2022 19:00	39,647	2,7591	7,8648	82,075	0,1131	75,0996	31,77
09/12/2022 19:30	39,7951	2,7643	7,9069	48,9485	0,1134	75,2644	31,66
09/12/2022 20:00	34,8402	2,6615	7,9155	76,2698	0,1123	74,3708	31,56
09/12/2022 20:30	36,5954	2,6395	7,9072	72,6926	0,1119	74,3488	31,56
09/12/2022 21:00	37,937	2,6548	7,8925	59,3374	0,1114	74,7297	31,45
09/12/2022 21:30	39,2168	2,6541	7,8791	75,9314	0,1112	74,4038	31,44
09/12/2022 22:00	37,2258	2,7275	7,8626	61,1787	0,1108	75,4987	31,35
09/12/2022 22:30	38,3993	2,6265	7,8476	64,9141	0,1108	75,1875	31,34

09/12/2022 23:00	36,6417	2,6243	7,8312	86,9926	0,111	74,9751	31,23
09/12/2022 23:30	37,4076	2,6204	7,8147	51,4359	0,1107	75,1435	31,14
10/12/2022 00:30	39,3092	2,5989	7,7862	50,1702	0,1099	74,9531	31,14
10/12/2022 01:00	39,4761	2,5927	7,7781	82,6771	0,1102	75,2094	31,03
10/12/2022 01:30	39,3701	2,7133	7,7615	74,2263	0,1103	73,7995	30,96
10/12/2022 02:00	39,0581	2,5708	7,7515	60,5459	0,1098	74,4257	30,93
10/12/2022 02:30	38,2503	2,6382	7,7415	73,0969	0,1098	74,5063	30,93
10/12/2022 03:00	38,761	3,6496	7,73	67,6388	0,1098	74,0449	30,83
10/12/2022 03:30	37,7733	2,6062	7,7199	63,4595	0,1103	74,6601	30,83
10/12/2022 04:00	37,6859	2,5371	7,7151	81,3455	0,1101	74,8066	30,73
10/12/2022 04:30	38,1704	2,5528	7,7068	48,2498	0,1102	75,3339	30,73
10/12/2022 05:00	37,3232	2,5623	7,7034	85,661	0,1107	74,1144	30,73
10/12/2022 06:00	38,3305	2,5425	7,6853	80,6336	0,111	75,301	30,57
10/12/2022 06:30	35,3067	2,5188	7,6804	69,8449	0,1106	54,141	30,52
10/12/2022 07:00	36,6338	2,5907	7,677	44,176	0,1109	55,6498	30,52
10/12/2022 07:30	37,6814	2,5963	7,677	52,0775	0,1121	55,7963	30,52
10/12/2022 08:00	38,4375	2,6208	7,6752	22,1283	0,1126	55,0565	30,61
10/12/2022 08:30	37,8337	2,6069	7,6768	38,2653	0,113	54,91	30,62
10/12/2022 09:00	37,4065	2,6544	7,6833	43,6926	0,1139	55,7597	30,73
10/12/2022 09:30	37,9437	2,6898	7,6917	17,2239	0,1154	55,1334	30,73
10/12/2022 10:00	37,038	2,5851	7,7113	35,2418	0,1171	55,8183	30,92
10/12/2022 10:30	37,723	2,5615	7,7312	8,8918	0,118	56,2211	31,03
10/12/2022 11:30	37,772	2,7336	7,7675	35,2154	0,1231	54,7343	31,24
10/12/2022 12:00	38,8467	2,7418	7,7907	19,9354	0,1244	55,3825	31,34
10/12/2022 12:30	39,5896	2,7648	7,8135	26,4658	0,1253	56,1405	31,56
10/12/2022 13:00	38,7984	2,6867	7,8383	-2,8945	0,1272	55,6059	31,66
10/12/2022 13:30	38,2336	2,6883	7,8548	17,8787	0,1291	55,225	31,77
10/12/2022 14:00	38,7926	2,6172	7,8645	34,7452	0,13	56,0087	31,87
10/12/2022 14:30	38,9147	2,6365	7,871	17,9051	0,1294	54,7196	31,95
10/12/2022 15:00	38,0316	2,6529	7,8759	41,6096	0,1285	66,9915	31,97
10/12/2022 15:30	37,1752	3,4738	7,8773	26,8701	0,1302	74,3049	32,08

10/12/2022 16:00	38,1767	4,4181	7,8906	63,877	0,1285	75,7917	32,08
10/12/2022 16:30	38,1688	4,9281	7,8903	57,2939	0,1284	74,2719	32,18
10/12/2022 17:00	38,8789	3,6076	7,8756	49,8099	0,1283	74,1364	32,08
10/12/2022 17:30	35,8848	2,6101	7,8589	67,7091	0,1267	75,4218	32,08
10/12/2022 18:30	37,5578	5,0243	7,8408	61,5391	0,1236	74,2463	31,97
10/12/2022 19:00	38,2093	11,2584	7,8227	83,5648	0,1217	75,1435	31,87
10/12/2022 19:30	39,219	12,8971	7,8063	46,6238	0,1202	75,4328	31,77
10/12/2022 20:00	40,0544	10,3585	7,7915	81,8861	0,1169	74,5612	31,66
10/12/2022 20:30	40,7063	10,9578	7,7701	46,4348	0,1153	74,8725	31,56
10/12/2022 21:00	40,7458	12,0017	7,7567	79,7898	0,1128	74,5722	31,56
10/12/2022 21:30	40,2361	12,0595	7,7436	75,6106	0,1121	75,5354	31,45
10/12/2022 22:00	40,6368	12,4418	7,7287	60,7612	0,1101	74,5393	31,35
10/12/2022 22:30	42,1482	13,5401	7,7173	73,6198	0,1095	74,5502	31,24
10/12/2022 23:00	43,2017	3,1044	7,7058	58,8232	0,1087	75,6233	31,14
11/12/2022 00:00	44,7265	3,023	7,6893	89,6645	0,107	74,9751	31,03
11/12/2022 00:30	45,8108	2,9557	7,6811	52,9784	0,1075	75,7807	30,93
11/12/2022 01:00	46,8924	2,9735	7,6711	83,3363	0,1073	74,997	30,93
11/12/2022 01:30	46,0346	3,5531	7,6663	47,74	0,1073	75,3669	30,83
11/12/2022 02:00	46,171	2,9335	7,6629	83,1473	0,107	74,3708	30,83
11/12/2022 02:30	46,8266	3,1486	7,6531	73,5407	0,1071	75,4878	30,73
11/12/2022 03:00	48,5721	3,06	7,6481	67,2125	0,1074	74,1584	30,73
11/12/2022 03:30	47,9899	3,3162	7,6449	83,6835	0,1077	75,1875	30,62
11/12/2022 04:00	50,7279	4,33	7,6382	65,0723	0,1071	74,2353	30,62
11/12/2022 04:30	48,8466	6,3388	7,6399	71,6027	0,1075	74,2939	30,62
11/12/2022 05:00	48,607	5,9425	7,63	86,5224	0,1076	74,3378	30,52
11/12/2022 05:30	50,6452	5,1878	7,6267	64,7515	0,108	74,1035	30,52
11/12/2022 06:00	52,3844	3,2263	7,6252	93,3867	0,1081	74,7297	30,42
11/12/2022 06:30	37,1212	2,8731	7,6252	49,7132	0,1083	75,019	30,42
11/12/2022 07:00	37,3675	2,977	7,6235	60,7085	0,1084	74,0595	30,42
11/12/2022 07:30	38,9625	2,8543	7,6252	77,3289	0,109	75,4218	30,42
11/12/2022 08:00	39,8608	3,7402	7,6219	28,562	0,1096	74,3488	30,42

11/12/2022 08:30	39,8088	2,7262	7,6336	64,9009	0,1091	75,3779	30,42
11/12/2022 09:00	40,0939	2,8285	7,6351	12,1702	0,1097	74,8872	30,52
11/12/2022 09:30	39,5896	2,7764	7,6449	29,1948	0,1106	75,4438	30,62
11/12/2022 10:00	40,1539	2,7213	7,6598	59,5923	0,1115	74,7736	30,73
11/12/2022 10:30	39,3376	2,657	7,6811	28,3071	0,1119	74,4733	30,93
11/12/2022 11:00	39,839	2,7557	7,6994	67,6256	0,1128	74,1694	31,03
11/12/2022 11:30	39,5415	2,61	7,7223	23,996	0,1144	74,7626	31,24
11/12/2022 12:00	38,9818	2,6401	7,7404	58,9199	0,1148	74,3708	31,39
11/12/2022 12:30	40,6035	2,9775	7,7683	47,6565	0,115	74,9641	31,59
11/12/2022 13:00	41,3428	2,6112	7,7829	16,2527	0,1156	74,7077	31,77
11/12/2022 13:30	41,6676	2,6605	7,7977	43,9783	0,1152	73,935	31,87
11/12/2022 14:00	42,2553	2,9729	7,8108	0,129	0,1159	75,2314	31,97
11/12/2022 14:30	43,243	2,5193	7,8169	36,8546	0,1136	75,2534	32,19
11/12/2022 15:00	42,725	2,5354	7,8169	16,6307	0,114	55,236	32,19
11/12/2022 15:30	37,1717	2,713	7,8135	14,4685	0,1123	54,91	32,19
11/12/2022 16:00	37,9028	2,6274	7,8285	43,3191	0,112	56,342	32,19
11/12/2022 16:30	38,055	2,8396	7,8319	17,4085	0,1105	54,7892	32,19
11/12/2022 17:00	38,7653	2,6217	7,8302	51,5809	0,1083	56,1076	32,19
11/12/2022 17:30	38,7891	2,6876	7,8255	53,3959	0,1071	56,0197	32,08
11/12/2022 18:00	39,478	2,7674	7,8188	35,9669	0,1052	55,8622	32,08
11/12/2022 18:30	40,2914	2,9419	7,8141	50,8558	0,1039	55,6718	31,97
11/12/2022 19:00	40,1535	3,1536	7,8091	33,1192	0,1036	56,8693	31,97
11/12/2022 19:30	40,0149	5,1755	7,7979	48,1575	0,103	55,3605	31,79
11/12/2022 20:00	38,3043	3,7165	7,7964	57,9135	0,1011	56,0197	31,73
11/12/2022 20:30	39,4299	3,037	7,7848	35,4967	0,1001	55,0455	31,66
11/12/2022 21:00	40,5618	3,0166	7,7834	65,8678	0,0989	56,1295	31,56
11/12/2022 21:30	41,4366	2,8838	7,7737	25,2573	0,0979	56,32	31,45
11/12/2022 22:00	42,1685	2,8887	7,7639	54,6483	0,0973	56,2211	31,35
11/12/2022 22:30	42,8707	3,2478	7,7524	55,7338	0,0966	54,9796	31,24
11/12/2022 23:00	42,7714	2,9265	7,746	39,799	0,0962	55,5619	31,14
11/12/2022 23:30	44,1913	2,9208	7,7412	55,3471	0,0957	55,9757	31,03

12/12/2022 00:00	44,1063	2,919	7,7348	30,7285	0,0956	54,9686	30,93
12/12/2022 00:30	44,8494	2,9025	7,7297	52,8202	0,0957	55,6828	30,93
12/12/2022 01:00	45,224	3,7038	7,7216	56,1645	0,0958	55,7267	30,83
12/12/2022 01:30	44,433	2,8787	7,7235	38,5993	0,0961	55,192	30,73
12/12/2022 02:00	43,7493	2,8973	7,7151	65,9996	0,0958	55,4594	30,73
12/12/2022 02:30	44,6564	2,9635	7,712	26,9492	0,0963	55,6059	30,62
12/12/2022 03:00	44,9697	2,8585	7,707	63,1255	0,0969	55,7377	30,62
12/12/2022 03:30	45,9996	2,944	7,7072	51,8666	0,0974	55,4813	30,52
12/12/2022 04:00	44,8815	2,8553	7,6974	40,7263	0,0979	55,6718	30,42
12/12/2022 04:30	45,5908	2,8303	7,6957	60,4668	0,0983	55,7377	30,42
12/12/2022 05:00	45,1048	2,8492	7,6993	33,3873	0,0991	56,8363	30,33
12/12/2022 05:30	45,0016	2,8128	7,6928	56,2436	0,0994	55,8183	30,23
12/12/2022 06:00	45,5368	2,823	7,6928	69,8053	0,0996	55,4704	30,23
12/12/2022 06:30	37,32	2,9403	7,6846	36,881	0,1006	55,4044	30,13
12/12/2022 07:00	38,3213	2,7691	7,688	74,802	0,1007	54,9357	30,13
12/12/2022 07:30	39,2279	2,7674	7,6897	40,8976	0,1021	56,1076	30,13
12/12/2022 08:30	41,0116	2,8261	7,6842	35,4439	0,1013	55,4594	30,33
12/12/2022 09:00	41,3556	3,0278	7,689	29,208	0,1046	54,3644	30,42
12/12/2022 09:30	42,1442	2,8599	7,6886	29,7046	0,106	54,8771	30,62
12/12/2022 10:00	41,6186	2,8385	7,695	46,2195	0,1081	55,7157	30,73
12/12/2022 10:30	41,6242	2,9943	7,7032	8,7819	0,1086	55,236	30,83
12/12/2022 11:00	40,7947	3,6995	7,7113	51,849	0,1098	55,0346	30,93
12/12/2022 11:30	40,4778	2,7478	7,7228	6,5407	0,1103	55,6278	31,03
12/12/2022 12:00	39,555	2,9633	7,7343	45,6174	0,1104	56,276	31,14
12/12/2022 12:30	40,5402	2,7462	7,7456	27,9204	0,1102	55,9171	31,29
12/12/2022 13:00	41,2768	2,8371	7,7639	34,2354	0,1099	55,6388	31,35
12/12/2022 14:00	41,8844	2,7509	7,7987	22,1942	0,1094	56,4884	31,49
12/12/2022 14:30	42,2233	2,8599	7,8244	15,5804	0,1059	56,4884	31,87
12/12/2022 15:00	42,2836	2,8457	7,8297	36,7052	0,1116	55,258	31,76
12/12/2022 15:30	40,2902	2,9621	7,823	6,0265	0,1088	56,5434	31,77
12/12/2022 16:00	41,0036	2,9008	7,83	44,1936	0,1066	55,5473	31,66

12/12/2022 16:30	40,7452	3,1043	7,825	-1,3344	0,1046	55,3458	31,66
12/12/2022 17:00	41,7431	3,6825	7,8216	52,7631	0,104	74,1254	31,66
12/12/2022 17:30	41,7035	4,0469	7,8085	-2,8022	0,1034	74,9641	31,56
12/12/2022 18:00	41,406	4,3775	7,8018	-2,9209	0,1013	74,4257	31,56
12/12/2022 18:30	40,9961	3,2722	7,7988	-2,9341	0,1006	74,1035	31,45
12/12/2022 19:00	40,9834	3,0611	7,7921	51,1371	0,0999	75,0739	31,45
12/12/2022 19:30	42,1439	3,3289	7,7787	71,1764	0,0997	74,0705	31,44
12/12/2022 20:00	42,9236	3,2761	7,7773	53,8661	0,0997	74,5612	31,35
12/12/2022 20:30	42,6216	3,291	7,8395	65,2877	0,1001	75,5463	31,24
12/12/2022 21:00	42,8949	3,1092	7,9218	82,6639	0,1013	74,3159	31,14
12/12/2022 21:30	44,0132	3,2598	7,9724	52,7762	0,1008	74,997	31,03
12/12/2022 22:00	40,1892	3,1304	7,9724	85,1908	0,0999	74,3928	31,03
12/12/2022 22:30	42,091	3,2479	7,9593	41,6403	0,0998	74,2719	30,93
12/12/2022 23:00	43,5402	3,1181	7,9495	75,9577	0,1001	75,5463	30,85
12/12/2022 23:30	44,094	3,3221	7,9312	74,4416	0,1	73,7116	30,83
13/12/2022 00:00	44,8422	3,2068	7,9214	63,4595	0,1004	74,4953	30,73
13/12/2022 00:30	46,216	3,3568	7,9114	81,1038	0,1004	74,8066	30,72
13/12/2022 01:00	47,1601	3,8294	7,8949	56,9731	0,1009	75,2424	30,62
13/12/2022 01:30	48,4117	4,2414	7,8882	72,8683	0,1009	75,052	30,62
13/12/2022 02:00	44,4755	4,0529	7,8767	91,9365	0,101	74,7626	30,52
13/12/2022 02:30	44,9424	4,443	7,8683	56,6479	0,1017	75,5244	30,52
13/12/2022 03:00	44,3282	4,9713	7,8602	90,7675	0,1016	74,8981	30,42
13/12/2022 03:30	45,1797	5,2549	7,8487	48,2498	0,1019	74,8981	30,33
13/12/2022 04:00	43,5448	5,2309	7,842	82,4354	0,102	74,8396	30,32
13/12/2022 04:30	43,3648	5,7982	7,8255	71,3083	0,1019	74,8725	30,23
13/12/2022 05:00	42,8551	5,7707	7,819	58,3969	0,1024	74,0815	30,13
13/12/2022 05:30	43,6684	3,3075	7,8123	78,6868	0,1026	74,3159	30,13
13/12/2022 06:00	39,4066	3,1151	7,7958	59,2978	0,1027	75,3889	30,03
13/12/2022 06:30	40,8869	3,2427	7,7874	58,4497	0,103	55,5729	30,03
13/12/2022 07:00	42,4626	3,1987	7,779	78,8494	0,103	56,7887	30,03
13/12/2022 07:30	44,0364	3,8912	7,7451	13,2029	0,1017	-2	30,13

13/12/2022 08:00	44,4292	3,159	7,7247	22,8666	0,1029	-2	30,23
13/12/2022 08:30	45,3239	3,1656	7,7094	-2,9209	0,1038	-2	30,33
13/12/2022 09:00	39,3743	2,96	7,7008	-2,9077	0,1049	56,265	30,42
13/12/2022 09:30	40,0813	5,434	7,6991	-2,9077	0,1061	55,7597	30,42
13/12/2022 10:00	40,9219	2,8062	7,7005	-2,9077	0,107	54,4413	30,52
13/12/2022 10:30	41,2837	2,8473	7,7024	10,8913	0,1079	55,0346	30,42
13/12/2022 11:00	41,373	2,8047	7,7142	-2,2881	0,1078	56,32	30,42
13/12/2022 11:30	41,4199	3,0065	7,7156	0,6255	0,1066	55,192	30,52
13/12/2022 12:00	42,0146	3,0554	7,7204	41,5041	0,1058	55,6278	30,62
13/12/2022 12:30	39,5205	2,7392	7,7178	-2,7056	0,11	54,921	30,33
13/12/2022 13:00	40,1299	2,7388	7,7324	27,1909	0,1052	54,6098	30,52
13/12/2022 13:30	40,849	3,2814	7,7393	-2,6792	0,1045	55,6059	31,14
13/12/2022 14:00	41,5266	2,9713	7,7443	23,2138	0,1095	55,4813	31,14
13/12/2022 14:30	41,7774	3,0879	7,7378	19,6278	0,1136	56,309	31,06
13/12/2022 15:00	42,2588	2,8956	7,7175	17,3294	0,107	54,4633	31,14
13/12/2022 15:30	42,2774	2,9547	7,6919	4,818	0,1066	56,1881	31,35
13/12/2022 16:00	41,9743	2,8094	7,6651	23,9389	0,1079	54,4523	31,35
13/12/2022 16:30	34,9412	2,757	7,6572	2,4669	0,1159	55,258	31,14
13/12/2022 17:00	35,0966	2,6928	7,6051	24,6508	0,1067	55,4923	31,24
13/12/2022 17:30	35,4862	2,7211	7,5852	3,4337	0,1062	56,3859	31,14
13/12/2022 18:00	35,8643	2,8634	7,5735	16,6043	0,1063	55,6278	31,14
13/12/2022 18:30	35,7734	2,7648	7,5586	21,8031	0,1058	54,7782	31,03
13/12/2022 19:00	34,9359	2,849	7,5519	29,5156	0,1048	55,0016	31,03
13/12/2022 19:30	36,1888	3,2615	7,5653	25,6879	0,1041	56,1881	31,03
13/12/2022 20:00	37,0453	2,9378	7,5988	26,0219	0,1039	56,1515	31,03
13/12/2022 20:30	38,0385	3,0354	7,6122	30,6846	0,1043	55,8293	31,03
13/12/2022 21:00	38,3886	3,055	7,6007	8,8478	0,1057	75,2314	30,93
13/12/2022 21:30	38,1058	3,082	7,5977	8,3512	0,1072	74,0595	30,73
13/12/2022 22:00	38,6779	3,2008	7,5862	11,6736	0,1031	74,4147	30,62
13/12/2022 22:30	39,1004	3,146	7,5795	40,4846	0,1025	75,9382	30,62
13/12/2022 23:00	38,7668	3,1039	7,5747	89,7612	0,103	75,8466	30,52

13/12/2022 23:30	39,1386	3,1801	7,5529	46,3953	0,103	74,7517	30,52
14/12/2022 00:00	35,6115	3,4963	7,5411	63,9165	0,104	74,0449	30,52
14/12/2022 00:30	37,782	3,3142	7,59	75,5007	0,1057	74,4257	30,42
14/12/2022 01:00	38,9893	3,2606	7,6674	69,7789	0,106	74,7956	30,33
14/12/2022 01:30	39,736	3,1495	7,7247	73,2726	0,1047	74,1144	30,23
14/12/2022 02:00	39,48	3,2437	7,7552	32,7413	0,1037	75,052	30,13
14/12/2022 02:30	40,129	3,4455	7,7588	72,2487	0,103	74,5832	30,03
14/12/2022 03:30	37,6227	3,2307	7,7439	62,3609	0,1034	75,4108	29,93
14/12/2022 04:00	38,0269	3,1701	7,7153	54,956	0,1036	74,7407	29,93
14/12/2022 04:30	38,8663	3,0913	7,7004	50,1834	0,1042	74,6381	29,84
14/12/2022 05:00	38,3737	3,1291	7,6903	86,2103	0,1047	75,3889	29,84
14/12/2022 05:30	38,2807	2,9695	7,6771	75,0173	0,1041	74,2243	29,74
14/12/2022 06:00	39,8263	3,3791	7,6531	30,3242	0,1048	73,913	29,93
14/12/2022 06:30	39,4332	3,0647	7,638	82,7562	0,104	73,7226	29,93
14/12/2022 07:00	38,7631	3,0916	7,6348	80,0052	0,1062	75,3669	29,84
14/12/2022 07:30	39,1766	3,3379	7,6077	45,0901	0,1059	74,3378	29,93
14/12/2022 08:00	40,4436	3,2954	7,5707	64,6153	0,1054	74,8066	29,93
14/12/2022 08:30	42,1147	3,3146	7,5048	0,7618	0,1049	75,3999	30,13
14/12/2022 09:00	40,5067	19,4802	7,466	83,6307	0,1059	75,2534	30,23
14/12/2022 09:30	33,4524	3,2304	7,4575	16,9383	0,1069	75,019	30,33
14/12/2022 10:00	34,8294	3,1792	7,4424	50,6405	0,1079	75,2314	30,33
14/12/2022 10:30	36,338	3,188	7,4389	41,6931	0,1079	75,4218	30,42
14/12/2022 11:00	37,5615	3,1681	7,4403	42,2688	0,1079	73,6786	30,62
14/12/2022 11:30	38,9338	3,2105	7,4403	37,1886	0,1091	75,1106	30,62
14/12/2022 12:00	36,7152	3,1856	7,4384	54,1078	0,1087	74,3268	30,73
14/12/2022 12:30	37,8553	3,0732	7,445	22,8666	0,1084	73,7885	30,83
14/12/2022 13:00	38,5696	4,8491	7,4415	66,3775	0,1088	76,2275	30,93
14/12/2022 13:30	38,4419	6,8602	7,4465	16,0945	0,1089	74,5502	30,94
14/12/2022 14:00	39,5687	10,3012	7,4514	61,4336	0,1081	75,2424	31,04
14/12/2022 14:30	40,9832	3,0959	7,4479	32,4205	0,1088	74,3159	31,14
14/12/2022 15:00	41,0737	4,1776	7,4578	48,3992	0,1086	74,8505	31,24

14/12/2022 15:30	34,6647	3,0084	7,4479	52,8729	0,1093	94,4358	31,14
14/12/2022 16:00	35,75	3,0282	7,4511	54,2572	0,1082	93,4617	31,24
14/12/2022 16:30	36,757	3,134	7,4311	60,4492	0,108	93,9084	31,14
14/12/2022 17:00	38,2453	3,3297	7,4228	77,5442	0,1082	93,5715	31,11
14/12/2022 17:30	35,7441	3,6297	7,3944	61,2974	0,1077	94,8826	31,03
14/12/2022 18:00	36,0474	3,6041	7,4011	-1,0532	0,1058	94,4248	31,03
14/12/2022 18:30	35,6258	3,2617	7,4045	-1,6728	0,1056	94,1318	31,03
14/12/2022 19:00	36,1997	3,2928	7,4095	79,2932	0,1058	94,3442	31,03
14/12/2022 19:30	37,7842	3,7246	7,3877	57,1972	0,1053	94,2344	31,03
14/12/2022 20:00	39,7175	3,7827	7,4331	93,8701	0,1058	94,8826	30,93
14/12/2022 20:30	39,6838	3,9519	7,6562	87,5024	0,1088	93,8535	30,83
14/12/2022 21:00	41,6404	7,9447	7,7789	80,7435	0,109	94,2454	30,73
14/12/2022 21:30	40,9059	21,42	7,7825	89,3437	0,1071	93,4836	30,62
14/12/2022 22:00	42,9452	14,7505	7,7573	78,0803	0,1066	92,8135	30,62
14/12/2022 22:30	44,1384	11,5746	7,7274	83,1473	0,1072	94,4248	30,52
14/12/2022 23:00	45,1667	16,5027	7,7005	102,7956	0,1073	93,6081	30,52
14/12/2022 23:30	44,7467	10,3646	7,6705	68,3243	0,1083	92,3447	30,42
15/12/2022 00:00	42,3333	12,5931	7,6454	107,7131	0,1081	94,033	30,42
15/12/2022 00:30	41,8527	16,4115	7,6236	68,0694	0,1087	93,4067	30,39
15/12/2022 01:00	41,0339	4,9669	7,6069	102,3253	0,1083	93,74	30,33
15/12/2022 01:30	40,9502	6,0994	7,5902	94,0195	0,1085	93,6851	30,31
15/12/2022 02:00	41,283	19,6985	7,5769	82,8529	0,1079	93,5972	30,23
15/12/2022 02:30	43,8464	23,5125	7,5635	98,7613	0,1078	93,4177	30,21
15/12/2022 03:00	45,1032	28,9797	7,5485	82,6244	0,108	94,3552	30,13
15/12/2022 03:30	44,8782	22,3184	7,5368	93,0659	0,1081	94,011	30,13
15/12/2022 04:00	35,5474	61,7958	7,741	111,2859	0,032	94,7141	29,74
15/12/2022 04:30	36,2335	3,3615	7,5302	74,5734	0,0342	94,2673	30,03
15/12/2022 05:00	37,9991	3,3516	7,5169	110,8816	0,0355	94,3113	29,93
15/12/2022 05:30	39,6425	3,2781	7,5068	76,8586	0,0369	95,3513	29,93
15/12/2022 06:00	41,5992	3,3506	7,5087	105,507	0,0392	92,9929	29,84
15/12/2022 06:30	43,3296	3,2793	7,502	98,4537	0,0416	93,8975	29,84

15/12/2022 07:00	44,8408	3,3505	7,5003	38,1862	0,0435	93,1833	29,84
15/12/2022 07:30	45,4152	3,7352	7,4969	150,7934	0,0465	93,8975	29,84
15/12/2022 08:00	46,5695	3,2871	7,4969	40,1462	0,0485	95,051	29,84
15/12/2022 08:30	47,5325	3,2284	7,5003	75,0832	0,0501	94,5896	29,84
15/12/2022 09:00	48,3471	3,1863	7,5052	62,0093	0,0514	93,3371	29,93
15/12/2022 09:30	35,2716	3,1069	7,5134	46,3425	0,053	93,8315	30,03
15/12/2022 10:00	36,5304	3,0479	7,5284	82,2069	0,0549	93,2602	30,13
15/12/2022 10:30	37,7952	3,0825	7,5448	44,8352	0,0572	94,1538	30,33
15/12/2022 11:30	39,6434	7,6718	7,5778	70,1261	0,0621	93,9854	30,62
15/12/2022 12:00	40,6548	10,4382	7,5957	52,6444	0,0644	93,4726	30,93
15/12/2022 12:30	41,0382	22,6971	7,6173	62,4663	0,0676	92,678	31,03
15/12/2022 13:00	41,6698	31,3167	7,6288	17,5975	0,0712	95,095	31,14
15/12/2022 13:30	42,358	20,0414	7,6319	64,9273	0,0744	94,2344	31,24
15/12/2022 14:00	42,9073	44,0813	7,6367	79,346	0,0779	94,6702	31,35
15/12/2022 14:30	43,4957	27,2552	7,6382	37,1622	0,0817	94,3772	31,45
15/12/2022 15:00	43,2196	8,1923	7,6365	76,0412	0,0855	94,1648	31,45
15/12/2022 15:30	43,5787	4,0457	7,6365	47,4588	0,0888	95,0034	31,45
15/12/2022 16:00	35,5547	3,2967	7,6382	88,6581	0,0915	93,1028	31,45
15/12/2022 16:30	36,5915	4,5423	7,6348	82,8924	0,0944	93,6191	31,45
15/12/2022 17:00	37,6355	6,7234	7,6333	68,9176	0,0973	94,0769	31,35
15/12/2022 17:30	38,5756	11,7046	7,6216	81,2269	0,0994	75,3999	31,35
15/12/2022 18:00	39,5417	17,3256	7,6118	57,5488	0,1013	74,5393	31,24
15/12/2022 18:30	40,2093	23,5599	7,6085	69,7218	0,1031	74,7736	31,24
15/12/2022 19:00	41,2577	15,5137	7,5969	82,6375	0,1048	73,902	31,14
15/12/2022 19:30	36,4813	3,4211	7,5835	56,8764	0,1065	74,986	31,14
15/12/2022 20:00	37,8306	3,6376	7,5737	85,4325	0,1077	74,9091	31,03
15/12/2022 20:30	39,7197	5,3618	7,5653	47,0808	0,1088	75,5244	31,03
15/12/2022 21:00	41,2085	6,3476	7,5605	79,8294	0,11	74,8176	30,93
15/12/2022 21:30	42,263	8,6655	7,5506	74,9514	0,111	74,1804	30,83
15/12/2022 22:00	43,3994	11,0029	7,5457	63,9605	0,1117	74,1474	30,78
15/12/2022 22:30	44,4772	3,3023	7,5424	76,4148	0,1127	74,9641	30,73

15/12/2022 23:00	45,4602	3,2582	7,5358	58,3134	0,1132	73,3088	30,66
15/12/2022 23:30	35,4196	3,2062	7,5309	73,6857	0,1139	74,7077	30,62
16/12/2022 00:00	36,9624	3,3048	7,5294	88,7241	0,1144	75,008	30,52
16/12/2022 00:30	38,3943	3,2819	7,5294	56,85	0,1149	74,7626	30,52
16/12/2022 01:00	39,5595	3,7905	7,5262	90,3369	0,1155	75,041	30,42
16/12/2022 01:30	40,5236	3,2721	7,5195	46,0613	0,1156	74,8872	30,42
16/12/2022 02:00	41,5638	3,2061	7,5213	79,1306	0,116	74,7187	30,33
16/12/2022 03:00	43,129	3,7336	7,5164	67,9508	0,1167	74,1804	30,23
16/12/2022 03:30	44,1347	3,276	7,5147	83,4549	0,1172	74,6381	30,23
16/12/2022 04:00	45,1589	3,54	7,5099	62,6817	0,1173	75,6452	30,13
16/12/2022 04:30	46,0052	3,4356	7,5132	77,1531	0,1176	75,1545	30,13
16/12/2022 05:00	46,4218	3,2839	7,5116	89,6249	0,1179	74,6967	30,13
16/12/2022 05:30	47,043	3,3124	7,5117	60,748	0,1181	74,9311	30,03
16/12/2022 06:00	35,6326	3,1174	7,5117	127,2251	0,1184	74,5283	30,03
16/12/2022 06:30	37,3314	3,2398	7,5134	73,4177	0,1183	75,5354	30,03
16/12/2022 07:00	38,7905	3,2911	7,5151	82,7298	0,1182	74,986	30,03
16/12/2022 07:30	40,3002	3,331	7,5132	71,9675	0,1176	74,1474	30,13
16/12/2022 08:00	41,611	3,325	7,5114	58,8803	0,1178	75,1655	30,23
16/12/2022 08:30	36,7415	2,9991	7,5082	32,8248	0,1196	74,8725	30,13
16/12/2022 09:00	37,1386	3,0685	7,5116	81,0379	0,1217	73,4443	30,13
16/12/2022 09:30	37,542	2,9041	7,5147	60,748	0,1211	73,2538	30,23
16/12/2022 10:00	38,3473	2,9047	7,5179	81,4818	0,1199	75,3339	30,33
16/12/2022 10:30	38,8806	3,9422	7,5277	25,956	0,1192	54,8331	30,52
16/12/2022 11:00	39,88	2,9541	7,5359	57,6411	0,1195	55,2689	30,62
16/12/2022 11:30	40,9106	2,9272	7,5473	79,4383	0,1203	56,342	30,8
16/12/2022 12:00	41,2758	8,0819	7,5521	109,8621	0,1215	56,4225	30,93
16/12/2022 12:30	41,8399	3,0289	7,562	24,3036	0,122	55,2689	31,03
16/12/2022 13:00	36,5558	3,1163	7,5652	75,07	0,123	55,6608	31,12
16/12/2022 13:30	37,2723	2,8868	7,5752	23,1083	0,1247	55,3715	31,14
16/12/2022 14:00	37,9803	3,3271	7,5967	63,3672	0,1245	54,2618	31,24
16/12/2022 14:30	38,5723	3,0833	7,6085	59,0254	0,1245	56,5763	31,24

16/12/2022 15:00	38,8653	3,1429	7,6185	-1,2949	0,1253	55,7597	31,24
16/12/2022 15:30	39,599	3,3522	7,6221	-2,7056	0,1268	56,276	31,14
16/12/2022 16:00	39,9453	3,5022	7,6237	-2,0903	0,1258	55,225	31,14
16/12/2022 16:30	40,1145	3,6012	7,6204	50,68	0,1247	56,602	31,14
16/12/2022 17:00	36,4419	3,4448	7,6089	83,9823	0,1262	55,7743	31,03
16/12/2022 17:30	37,0223	3,3144	7,6057	101,0992	0,1264	54,6207	30,93
16/12/2022 18:00	37,8525	4,346	7,6589	115,6014	0,1215	55,6828	31,14
16/12/2022 18:30	39,2455	4,7688	7,7175	108,7458	0,1249	56,1186	31,14
16/12/2022 19:00	40,2295	6,2931	7,7144	121,0683	0,1272	56,331	31,03
16/12/2022 19:30	37,5482	3,7135	7,6979	120,1806	0,1266	55,0455	30,94
16/12/2022 20:00	38,8361	3,7301	7,6828	123,0327	0,126	55,4923	30,93
16/12/2022 20:30	39,6244	3,7664	7,6645	115,5311	0,1257	54,7782	30,87
16/12/2022 21:00	40,4961	3,8696	7,6478	121,2705	0,1256	56,1515	30,83
16/12/2022 21:30	40,662	3,8232	7,6447	117,9789	0,1255	55,3825	30,73
16/12/2022 22:00	41,8492	3,8425	7,638	125,8408	0,1251	54,6207	30,73
16/12/2022 22:30	37,4452	3,7851	7,6212	117,1747	0,125	54,7196	30,73
16/12/2022 23:00	39,3609	3,8489	7,6181	129,44	0,125	55,0565	30,62
16/12/2022 23:30	40,9157	3,6031	7,6114	116,5814	0,1245	54,91	30,62
17/12/2022 00:00	42,587	3,8041	7,6066	126,2847	0,1252	55,6938	30,52
17/12/2022 00:30	44,1154	3,8058	7,6049	114,0282	0,1255	55,5473	30,52
17/12/2022 01:00	45,9577	3,9175	7,6066	127,6558	0,1252	55,214	30,52
17/12/2022 01:30	47,6201	3,6598	7,6017	112,5208	0,1254	55,247	30,42
17/12/2022 02:00	49,1495	3,7605	7,6	125,9199	0,1256	54,7892	30,42
17/12/2022 02:30	50,4065	9,9583	7,6051	77,0872	0,1257	55,4154	30,42
17/12/2022 03:00	51,5723	3,8756	7,6002	79,0076	0,1258	54,0824	30,33
17/12/2022 03:30	37,9447	3,6957	7,5985	55,7338	0,1264	55,236	30,33
17/12/2022 04:00	39,8354	3,7489	7,6053	121,4726	0,1258	57,2941	30,33
17/12/2022 04:30	41,5958	3,7429	7,6036	110,8553	0,1262	56,3639	30,33
17/12/2022 05:00	43,6163	3,7464	7,6071	128,3809	0,1264	55,8402	30,23
17/12/2022 05:30	44,0446	3,7387	7,6122	120,0751	0,1259	55,9171	30,23
17/12/2022 06:00	37,9574	3,8056	7,6155	123,8105	0,1263	56,5324	30,23

17/12/2022 06:30	37,6771	3,7253	7,6139	113,8392	0,1262	56,4555	30,22
17/12/2022 07:00	39,5354	3,7873	7,6174	96,7486	0,1266	56,1625	30,13
17/12/2022 07:30	41,0076	3,6422	7,6208	107,9285	0,1266	54,9577	30,13
17/12/2022 08:00	42,6551	3,6273	7,6208	114,1776	0,1263	55,7047	30,13
17/12/2022 08:30	38,4016	3,6095	7,6307	112,2659	0,1264	74,8981	30,21
17/12/2022 09:00	40,0098	3,6613	7,634	114,1204	0,1266	74,0815	30,23
17/12/2022 09:30	40,7027	3,7619	7,6458	117,5614	0,1268	74,6052	30,23
17/12/2022 10:00	42,021	3,5503	7,6558	128,9566	0,1265	74,7077	30,23
17/12/2022 10:30	43,3637	3,6009	7,6691	110,2136	0,1264	75,1655	30,33
17/12/2022 11:00	44,3942	3,6629	7,6789	122,1845	0,1267	74,3159	30,42
17/12/2022 11:30	45,004	3,5928	7,6888	107,4714	0,1271	74,0339	30,52
17/12/2022 12:00	45,0656	3,5816	7,7037	111,5672	0,1271	74,5722	30,62
17/12/2022 12:30	44,0705	3,6361	7,7068	90,4028	0,1279	75,041	30,73
17/12/2022 13:00	44,531	3,7455	7,7168	27,2876	0,1288	73,8801	30,73
17/12/2022 13:30	43,927	3,7786	7,7233	26,3339	0,1295	94,011	30,83
17/12/2022 14:00	44,6531	4,2037	7,7283	-2,9077	0,1296	94,1648	30,83
17/12/2022 14:30	43,8259	4,7991	7,7333	11,5241	0,13	94,1318	30,83
17/12/2022 15:00	43,4537	5,8581	7,7333	27,2612	0,1303	95,117	30,83
17/12/2022 15:30	38,2767	3,2663	7,735	18,661	0,1298	94,1209	30,83
17/12/2022 16:00	39,3209	3,2683	7,7317	28,3335	0,13	93,7839	30,83
17/12/2022 16:30	40,0006	3,2636	7,73	20,9725	0,1301	95,4868	30,83
17/12/2022 17:00	40,8647	3,3111	7,7283	29,1553	0,1297	92,2971	30,83
17/12/2022 17:30	40,5328	3,2597	7,73	21,1176	0,1297	94,022	30,83
17/12/2022 18:00	40,5316	3,628	7,73	33,1456	0,1295	93,8755	30,83
17/12/2022 18:30	40,6435	3,375	7,73	20,8495	0,1294	94,4688	30,83
17/12/2022 19:00	37,6708	3,5025	7,73	32,8116	0,1297	93,8975	30,83
17/12/2022 19:30	38,8809	3,477	7,7286	26,0922	0,1299	94,6702	30,73
17/12/2022 20:00	40,1507	3,5659	7,7235	30,0957	0,1294	94,5896	30,73
17/12/2022 20:30	41,6148	3,5838	7,7235	25,4199	0,1301	93,6081	30,73
17/12/2022 21:00	42,9304	3,7947	7,7168	34,4508	0,1297	94,1868	30,73
17/12/2022 21:30	43,3831	3,9588	7,7104	27,5425	0,1301	94,0439	30,62

17/12/2022 22:00	43,7453	6,2302	7,7104	31,1548	0,1298	92,7329	30,59
17/12/2022 22:30	44,3741	3,9891	7,7022	24,1147	0,1297	94,2783	30,52
17/12/2022 23:00	46,0664	4,193	7,6974	32,9434	0,1295	93,8975	30,43
17/12/2022 23:30	46,8471	4,6473	7,689	25,7275	0,1297	94,6372	30,42
18/12/2022 00:00	47,9899	4,8297	7,6825	31,4537	0,1293	93,4397	30,33
18/12/2022 00:30	48,337	5,1163	7,6775	25,9033	0,1295	96,4573	30,33
18/12/2022 01:30	48,3969	5,7592	7,6594	24,141	0,1292	93,6741	30,14
18/12/2022 02:00	46,5528	5,5628	7,6527	30,5	0,1288	95,2268	30,13
18/12/2022 02:30	47,0463	5,4155	7,6462	24,6244	0,1291	93,6081	30,03
18/12/2022 03:00	47,4236	4,218	7,6395	30,9834	0,1286	93,5496	30,03
18/12/2022 03:30	47,8836	4,0519	7,6313	25,7802	0,1289	93,9634	29,93
18/12/2022 04:00	47,2412	4,1715	7,6195	34,2486	0,1286	93,8206	29,93
18/12/2022 04:30	48,1373	4,0401	7,6113	24,6508	0,1287	93,5386	29,84
18/12/2022 05:00	48,2821	4,216	7,6081	34,0596	0,1285	95,1719	29,74
18/12/2022 05:30	48,0097	4,0819	7,5963	23,4423	0,129	94,9815	29,74
18/12/2022 06:00	49,1275	3,9598	7,5915	37,2457	0,1282	93,8865	29,64
18/12/2022 07:00	36,4306	4,4852	7,5715	35,2154	0,1277	94,4358	29,55
18/12/2022 07:30	37,2836	3,3296	7,5664	25,622	0,128	94,4102	29,55
18/12/2022 08:00	38,2988	3,3021	7,5664	28,228	0,1277	94,1318	29,54
18/12/2022 08:30	39,1053	3,2772	7,5598	17,5316	0,1276	74,3049	29,46
18/12/2022 09:00	40,2848	3,3674	7,5563	12,5305	0,1274	74,9091	29,53
18/12/2022 09:30	40,3997	3,2604	7,5531	10,6233	0,1273	74,6271	29,45
18/12/2022 10:00	40,9642	3,2578	7,5529	10,2321	0,127	74,2939	29,55
18/12/2022 10:30	34,7753	3,1846	7,5496	10,4914	0,1276	74,2243	29,55
18/12/2022 11:00	35,7132	3,1669	7,5578	11,2693	0,1273	74,3708	29,64
18/12/2022 11:30	36,0432	3,1075	7,5612	8,9709	0,1275	73,5871	29,64
18/12/2022 12:00	35,4691	3,0085	7,5761	4,7653	0,1259	75,1655	29,74
18/12/2022 12:30	35,8411	2,9801	7,5846	9,9113	0,1278	74,9751	29,74
18/12/2022 13:00	35,9052	3,0662	7,6094	5,3717	0,1268	74,7517	29,93
18/12/2022 13:30	35,4369	2,9107	7,6062	10,153	0,1318	74,9751	29,84
18/12/2022 14:00	35,2451	2,8954	7,6275	10,0871	0,1252	56,0417	30,13

18/12/2022 14:30	35,7974	3,0794	7,5879	32,8379	0,1425	55,3129	29,74
18/12/2022 15:00	34,9864	3,0026	7,5974	28,4961	0,1252	55,6608	30,03
18/12/2022 15:30	35,8418	3,0125	7,5943	34,8375	0,1322	55,0016	29,93
18/12/2022 16:00	34,9582	2,9262	7,6036	33,1324	0,1227	54,9796	30,33
18/12/2022 16:30	35,8196	4,547	7,5987	36,358	0,1327	55,4264	30,23
18/12/2022 17:00	34,8085	3,0402	7,5984	37,0172	0,1314	55,4044	30,42
18/12/2022 17:30	34,4492	3,0089	7,5901	39,7858	0,1335	54,5988	30,33
18/12/2022 18:00	33,629	4,3293	7,5817	40,2121	0,1336	54,9796	30,33
18/12/2022 18:30	33,8053	2,9815	7,5735	37,8873	0,1338	56,1295	30,23
18/12/2022 19:00	33,6999	3,212	7,5652	49,2562	0,1334	56,1405	30,2
18/12/2022 19:30	33,4678	3,2364	7,5503	34,5826	0,1338	54,9906	30,05
18/12/2022 20:00	33,7252	7,7286	7,5403	42,1765	0,1323	56,1991	30,03
18/12/2022 20:30	33,7787	8,1469	7,5354	31,7745	0,132	56,4005	29,93
18/12/2022 21:00	34,7396	7,7467	7,5255	50,5086	0,131	54,5658	29,84
18/12/2022 21:30	35,4491	7,2181	7,5189	40,3088	0,1303	55,7267	29,74
18/12/2022 22:00	35,0825	7,3819	7,5122	48,0477	0,13	54,2399	29,74
18/12/2022 22:30	35,797	8,0665	7,5057	40,6164	0,1304	54,6317	29,64
18/12/2022 23:00	35,0688	7,6681	7,5008	50,4691	0,13	55,247	29,55
18/12/2022 23:30	35,7562	7,6434	7,4874	48,7068	0,1302	56,7008	29,45
19/12/2022 00:00	36,0217	7,7752	7,4859	52,8466	0,1294	55,6278	29,35
19/12/2022 00:30	36,3367	8,0146	7,4827	46,1931	0,1294	56,8473	29,26
19/12/2022 01:00	37,693	7,3568	7,4761	45,6438	0,1287	55,7377	29,16
19/12/2022 01:30	37,5102	3,1331	7,4744	48,0477	0,1286	55,6938	29,16
19/12/2022 02:00	37,4838	3,1408	7,4712	42,7522	0,128	54,6098	29,07
19/12/2022 02:30	38,3686	3,1622	7,4696	47,1336	0,1284	55,2689	28,98
19/12/2022 03:00	40,5047	3,3756	7,4698	37,5534	0,1279	55,236	28,88
19/12/2022 03:30	41,4165	3,1557	7,4716	49,7967	0,1279	55,1005	28,8
19/12/2022 04:00	43,0974	3,163	7,4716	39,8517	0,1278	54,7196	28,79
19/12/2022 04:30	41,8501	3,2088	7,4701	49,4451	0,1275	55,214	28,68
19/12/2022 05:00	45,3576	3,1932	7,4651	47,4588	0,1276	55,0016	28,68
19/12/2022 05:30	44,6655	3,1624	7,4635	48,9617	0,1276	54,8331	28,57

19/12/2022 06:00	44,7108	6,1293	7,4654	48,9881	0,1274	54,5548	28,46
19/12/2022 06:30	32,0789	3,0777	7,4688	49,0716	0,127	55,5143	28,46
19/12/2022 07:00	33,4062	3,0663	7,4755	65,1163	0,1267	55,5473	28,46
19/12/2022 07:30	34,6293	3,0534	7,4706	43,1301	0,1265	54,5072	28,35
19/12/2022 08:00	36,4536	3,1619	7,4857	52,3895	0,1257	55,9501	28,46
19/12/2022 08:30	37,865	3,1271	7,4939	38,2916	0,1238	54,8661	28,57
19/12/2022 09:00	38,1236	3,1419	7,5255	47,4983	0,1209	55,3019	28,89
19/12/2022 09:30	38,2803	2,9934	7,5153	24,7343	0,1292	55,4923	28,89
19/12/2022 10:00	39,1429	2,9836	7,5451	49,4847	0,1224	56,3749	29,22
19/12/2022 10:30	37,9146	2,9579	7,542	5,1696	0,1326	56,1735	29,07
19/12/2022 11:00	39,0169	3,0856	7,5718	41,0998	0,1264	56,0746	29,35
19/12/2022 11:30	35,7603	2,909	7,5651	15,8528	0,1309	54,91	29,35
19/12/2022 12:00	37,0573	2,8784	7,5881	40,7658	0,1256	57,0268	29,64
19/12/2022 12:30	37,7929	2,8694	7,5965	16,9954	0,1299	55,214	29,64
19/12/2022 13:00	39,1539	2,9967	7,6161	40,6559	0,1259	56,1076	29,93
19/12/2022 13:30	39,5101	2,727	7,6231	18,8324	0,1323	55,7267	29,84
19/12/2022 14:00	39,8319	3,4859	7,6292	43,1301	0,1269	55,1225	30,13
19/12/2022 14:30	40,3854	2,6693	7,6309	16,7493	0,1324	55,2799	30,13
19/12/2022 15:00	40,4215	2,7217	7,6355	40,8976	0,1291	57,0707	30,33
19/12/2022 15:30	41,4212	2,6162	7,6288	17,8524	0,1317	55,4264	30,32
19/12/2022 16:00	42,0786	2,6457	7,622	34,0728	0,1323	56,5214	30,33
19/12/2022 16:30	38,9532	2,6102	7,6139	-2,7759	0,1321	74,9201	30,23
19/12/2022 17:00	39,4783	2,6798	7,6172	-2,7759	0,1318	75,7697	30,23
19/12/2022 17:30	40,147	2,5644	7,6107	-2,9077	0,1318	73,6567	30,13
19/12/2022 18:00	40,4219	2,6234	7,6073	54,0023	0,1309	74,5832	30,13
19/12/2022 18:30	39,2082	2,6249	7,5941	58,019	0,1307	74,5063	30,03
19/12/2022 19:00	39,6347	3,3903	7,5724	65,9864	0,1315	74,3378	29,93
19/12/2022 19:30	39,5011	3,1473	7,5894	64,3604	0,1323	74,7407	29,84
19/12/2022 20:00	40,1154	2,9277	7,6247	72,2355	0,1301	74,6381	29,84
19/12/2022 20:30	41,177	2,9828	7,6502	63,3013	0,1288	74,0925	29,74
19/12/2022 21:00	41,7337	3,359	7,662	71,5236	0,1283	74,6052	29,74

19/12/2022 21:30	43,175	3,1672	7,6571	61,6621	0,128	74,3159	29,64
19/12/2022 22:00	44,9098	3,2527	7,6538	75,0305	0,1278	74,7846	29,64
19/12/2022 22:30	44,5197	3,1653	7,647	51,638	0,1276	74,2719	29,64
19/12/2022 23:00	44,046	3,7735	7,642	74,6701	0,1275	74,9311	29,64
19/12/2022 23:30	40,6147	3,4229	7,6321	58,6123	0,1277	75,4328	29,55
20/12/2022 00:00	42,2003	3,147	7,6354	73,4045	0,1276	75,6782	29,55
20/12/2022 00:30	43,6325	3,0387	7,6272	67,3971	0,1273	74,5173	29,45
20/12/2022 01:00	44,532	3,4817	7,6205	76,5378	0,1276	75,4328	29,45
20/12/2022 01:30	46,0624	3,097	7,6173	66,4698	0,1271	73,2062	29,35
20/12/2022 02:00	45,8199	3,0111	7,6156	78,8054	0,1268	75,4768	29,35
20/12/2022 02:30	47,3554	3,0068	7,614	66,026	0,127	75,5463	29,32
20/12/2022 03:00	47,0697	3,4592	7,6091	76,2829	0,1267	75,052	29,26
20/12/2022 03:30	47,9098	2,9473	7,604	72,2883	0,1259	74,0339	29,25
20/12/2022 04:00	48,3933	3,1196	7,6042	69,2648	0,1262	74,9641	29,16
20/12/2022 04:30	48,0942	2,9681	7,5975	70,047	0,1256	74,6381	29,16
20/12/2022 05:00	47,8334	3,3852	7,5993	67,6388	0,1254	74,3708	29,08
20/12/2022 05:30	49,191	2,927	7,5977	67,252	0,1249	75,0996	29,07
20/12/2022 06:00	42,6768	3,1882	7,5926	67,318	0,1249	73,4076	29,07
20/12/2022 06:30	44,6933	2,9427	7,5928	74,2922	0,1243	75,008	28,99
20/12/2022 07:00	43,9968	3,7074	7,5927	71,6466	0,124	74,5283	29
20/12/2022 07:30	45,6378	2,7825	7,5907	50,6009	0,1216	75,1106	29,16
20/12/2022 08:00	47,0498	2,8209	7,5921	61,4072	0,1214	55,6718	29,35
20/12/2022 08:30	47,7498	2,7041	7,6003	30,3374	0,121	55,7963	29,45
20/12/2022 09:00	44,0564	3,3436	7,6084	36,9469	0,1224	55,3129	29,58
20/12/2022 09:30	44,9252	2,6106	7,615	27,248	0,1238	55,2909	29,64
20/12/2022 10:00	45,8621	2,8495	7,6233	38,7882	0,1245	55,5033	29,74
20/12/2022 10:30	46,9598	2,6136	7,6365	21,9921	0,1243	55,6718	29,84
20/12/2022 11:00	47,409	2,8674	7,6415	30,6582	0,1247	55,4044	29,85
20/12/2022 11:30	45,5606	2,5545	7,6581	16,2264	0,1235	54,6207	29,97
20/12/2022 12:00	46,4422	2,6006	7,6695	31,0625	0,1235	56,2431	30,12
20/12/2022 12:30	47,2738	2,6807	7,6727	1,0562	0,1236	56,2321	30,22

20/12/2022 13:00	47,746	2,5159	7,6756	25,4331	0,1227	55,258	30,41
20/12/2022 13:30	47,8919	2,5053	7,6705	10,4079	0,1259	55,3825	30,42
20/12/2022 14:00	48,0297	2,4601	7,6296	33,3873	0,1218	55,8732	30,73
20/12/2022 14:30	48,5214	2,466	7,6233	14,697	0,1276	55,1225	30,52
20/12/2022 15:00	44,972	2,7642	7,5676	40,1857	0,1231	93,2493	30,73
20/12/2022 15:30	45,4888	2,3726	7,5458	46,2898	0,1248	93,5715	30,73
20/12/2022 16:00	45,9818	2,5727	7,5173	67,3971	0,1248	96,1241	30,73
20/12/2022 16:30	44,8003	3,6615	7,4921	14,0774	0,1259	94,3223	30,73
20/12/2022 17:00	45,4069	4,0529	7,4737	-2,9077	0,1234	94,0879	30,73
20/12/2022 17:30	45,8071	4,3972	7,4619	-2,9077	0,1224	93,7839	30,73
20/12/2022 18:00	46,2984	2,4146	7,4569	73,5539	0,1223	93,2602	30,73
20/12/2022 18:30	44,8187	2,6695	7,457	78,4451	0,1224	95,3733	30,62
20/12/2022 19:00	45,3982	2,9536	7,5174	78,511	0,1216	93,9304	30,64
20/12/2022 19:30	46,2063	2,8781	7,6768	84,7997	0,1221	93,6631	30,62
20/12/2022 20:00	46,7519	2,9106	7,7578	97,6759	0,1255	94,4688	30,42
20/12/2022 20:30	45,2151	3,0067	7,7429	87,4057	0,1258	95,073	30,33
20/12/2022 21:00	46,6164	3,1383	7,7194	80,0315	0,1239	93,3848	30,33
20/12/2022 21:30	48,4265	3,0622	7,6928	91,8135	0,123	94,2673	30,23
20/12/2022 22:00	50,2177	2,7865	7,592	98,2779	0,121	94,3552	30,23
20/12/2022 22:30	51,7701	2,7316	7,4896	87,3398	0,1187	94,0439	30,23
20/12/2022 23:00	51,886	2,6532	7,4661	99,003	0,1187	95,073	30,22
20/12/2022 23:30	52,0126	22,9938	7,4611	52,3631	0,1187	94,022	30,19
21/12/2022 00:00	47,6598	2,6726	7,4595	99,7853	0,1186	94,6812	30,13
21/12/2022 00:30	49,4264	2,681	7,4544	83,578	0,1182	92,8684	30,13
21/12/2022 01:00	50,7194	2,6549	7,4527	103,613	0,1182	93,8975	30,13
21/12/2022 01:30	52,6297	2,6722	7,4427	86,2499	0,1176	94,011	30,13
21/12/2022 02:00	53,7455	2,6462	7,4563	71,2423	0,1183	94,4797	30,03
21/12/2022 02:30	55,3581	2,7092	7,4495	88,1615	0,1179	94,6592	30,03
21/12/2022 03:00	56,0119	2,6173	7,4546	99,2579	0,1178	94,1428	30,03
21/12/2022 03:30	56,8994	2,9167	7,4479	96,6519	0,1166	94,5786	30,03
21/12/2022 04:00	56,4026	2,5938	7,4529	99,1261	0,1174	93,0808	30,03

21/12/2022 04:30	57,0497	2,7087	7,4497	47,3621	0,1175	93,5276	29,93
21/12/2022 05:00	57,7845	2,6365	7,4598	104,5666	0,1177	92,9343	29,93
21/12/2022 05:30	58,5298	2,6662	7,4514	90,6049	0,117	94,2234	29,93
21/12/2022 06:00	49,0373	59,696	7,6215	108,8557	0,1292	94,824	28,13
21/12/2022 06:30	50,8892	2,6807	7,4749	87,7836	0,1154	93,9524	29,93
21/12/2022 07:00	52,106	2,6555	7,4682	73,5671	0,1178	93,0259	29,93
21/12/2022 07:30	53,7459	2,7257	7,4648	82,9715	0,1163	94,1099	29,93
21/12/2022 08:00	55,2088	2,6746	7,4731	81,1873	0,117	93,9634	30,03
21/12/2022 08:30	56,4592	2,769	7,4731	67,1993	0,1155	93,2493	30,03
21/12/2022 09:00	51,3116	55,4931	7,5351	90,6049	0,1158	93,4067	30,13
21/12/2022 09:30	52,8003	2,6222	7,4946	24,6113	0,1154	94,2454	30,23
21/12/2022 10:00	54,1861	2,5737	7,4961	84,8524	0,1158	93,0259	30,33
21/12/2022 10:30	49,9955	2,6596	7,5127	49,7264	0,1161	93,8096	30,42
21/12/2022 11:00	50,9985	2,6155	7,5007	77,408	0,1169	94,0659	30,62
21/12/2022 11:30	52,3022	2,733	7,4988	55,3295	0,1169	94,791	30,73
21/12/2022 12:00	53,4535	2,9373	7,5833	48,3289	0,117	93,3152	30,42
21/12/2022 13:00	48,7094	7,2876	7,51	41,6096	0,1177	93,762	31,03
21/12/2022 13:30	20,9625	8,2341	7,5032	41,8513	0,1184	94,7031	31,14
21/12/2022 14:00	21,2506	8,9686	7,5015	49,2694	0,119	93,3262	31,14
21/12/2022 14:30	21,6313	9,7537	7,498	13,0007	0,1187	93,2932	31,24
21/12/2022 15:00	21,9403	2,386	7,4961	46,8391	0,1176	93,3957	31,35
21/12/2022 15:30	22,3272	2,4147	7,4811	43,7629	0,118	92,5095	31,34
21/12/2022 16:00	22,7576	2,432	7,4829	49,432	0,1193	92,6889	31,24
21/12/2022 16:30	23,224	2,5283	7,4712	52,8597	0,1194	94,5896	31,24
21/12/2022 17:00	23,5506	2,5278	7,468	57,7509	0,1188	93,729	31,14
21/12/2022 17:30	24,1668	2,7548	7,4648	75,3117	0,1182	94,0549	31,03
21/12/2022 18:00	24,0514	2,7578	7,4564	13,6995	0,1177	93,6741	31,03
21/12/2022 18:30	24,4952	2,8488	7,4532	16,8065	0,1173	93,5166	30,93
21/12/2022 19:00	24,1918	2,8104	7,4549	57,6982	0,116	93,9304	30,93
21/12/2022 19:30	24,3232	2,9885	7,4482	64,712	0,1157	92,7695	30,93
21/12/2022 20:00	24,0391	2,8146	7,4633	96,8936	0,1154	93,4946	30,93

21/12/2022 20:30	24,6425	2,9526	7,5305	82,3299	0,1169	95,2158	30,83
21/12/2022 21:00	24,9303	2,9829	7,6128	88,2407	0,1188	93,7986	30,73
21/12/2022 21:30	25,6973	3,1278	7,6382	86,0082	0,1191	93,1724	30,62
21/12/2022 22:00	26,2437	3,1754	7,6351	66,9708	0,1179	93,8865	30,52
21/12/2022 22:30	26,9303	3,3936	7,6284	89,2075	0,117	93,1028	30,52
21/12/2022 23:00	26,4797	3,3288	7,6135	95,8873	0,117	76,1396	30,42
21/12/2022 23:30	26,5358	3,4219	7,5967	72,7892	0,1165	74,4843	30,42
22/12/2022 00:00	21,5281	3,5793	7,6271	77,3816	0,1665	74,4147	30,33
22/12/2022 00:30	22,1931	3,764	7,5952	51,1502	0,1594	74,5393	30,33
22/12/2022 01:00	22,7171	3,5512	7,5786	79,8953	0,1534	74,6052	30,23
22/12/2022 01:30	23,45	3,6756	7,5584	65,2613	0,1447	74,1254	30,23
22/12/2022 02:00	24,033	3,6419	7,5468	70,838	0,1394	74,9311	30,13
22/12/2022 02:30	23,7483	3,8784	7,5368	71,8312	0,1365	75,4987	30,13
22/12/2022 03:00	24,0047	4,039	7,5368	53,5585	0,1327	75,2753	30,13
22/12/2022 03:30	24,3639	3,6986	7,5284	75,3952	0,131	74,7626	30,13
22/12/2022 04:00	24,7805	3,112	7,5302	71,361	0,1296	75,0739	30,03
22/12/2022 04:30	24,1881	3,2301	7,5252	69,2648	0,1282	74,8615	30,03
22/12/2022 05:00	24,4985	2,9939	7,5184	62,6157	0,1276	75,052	30,03
22/12/2022 05:30	24,2476	3,192	7,5153	55,0614	0,127	74,4257	29,93
22/12/2022 06:00	25,0001	3,3722	7,5169	100,4005	0,126	75,019	29,93
22/12/2022 06:30	24,0946	3,5212	7,5119	71,0797	0,1248	75,03	29,93
22/12/2022 07:00	24,8277	3,2886	7,5137	90,8335	0,1246	74,6857	29,84
22/12/2022 07:30	25,4354	3,3448	7,5001	72,2092	0,1222	74,2829	29,93
22/12/2022 08:00	25,7181	4,0788	7,4815	54,8593	0,1225	75,2314	30,03
22/12/2022 08:30	26,0134	3,4096	7,4697	59,3374	0,1224	74,7077	30,03
22/12/2022 09:00	25,4288	2,812	7,4712	62,4268	0,1228	74,4843	30,13
22/12/2022 09:30	25,2468	2,7728	7,478	54,5517	0,1236	74,986	30,13
22/12/2022 10:00	25,979	2,7528	7,4778	57,6982	0,1236	75,4438	30,23
22/12/2022 10:30	26,1495	3,0542	7,4828	6,7516	0,1236	75,019	30,23
22/12/2022 11:00	28,6308	2,7584	7,4793	63,42	0,1228	74,6271	30,33
22/12/2022 11:30	28,1375	2,8759	7,4842	42,8884	0,1227	75,2753	30,42

22/12/2022 12:00	27,4726	3,1907	7,4926	64,3736	0,1233	74,7297	30,42
22/12/2022 12:30	28,1419	3,4809	7,4941	42,2688	0,1224	74,1694	30,52
22/12/2022 13:00	28,9899	3,4132	7,4956	28,3906	0,1227	75,6452	30,62
22/12/2022 13:30	28,9337	4,0308	7,4923	41,7326	0,1237	75,2424	30,62
22/12/2022 14:00	28,2746	2,741	7,4971	45,0769	0,1239	73,7336	30,73
22/12/2022 14:30	28,933	2,7328	7,5038	39,3815	0,124	75,3559	30,73
22/12/2022 15:00	30,5482	2,6312	7,492	54,2704	0,1239	74,1144	30,82
22/12/2022 15:30	29,2538	2,636	7,4918	7,3713	0,1228	74,4257	30,93
22/12/2022 16:00	29,0344	2,5956	7,4918	45,846	0,1251	75,2753	30,93
22/12/2022 16:30	28,2868	2,7108	7,4886	2,4669	0,1267	73,924	30,83
22/12/2022 17:00	29,6247	2,8671	7,487	56,9291	0,1271	75,3449	30,8
22/12/2022 17:30	29,4074	3,2233	7,477	58,81	0,127	73,902	30,73
22/12/2022 18:00	27,0254	2,8045	7,4804	48,7464	0,1264	75,3779	30,73
22/12/2022 18:30	29,5038	3,0184	7,5393	72,3718	0,1266	72,851	30,62
22/12/2022 19:00	30,1694	2,9986	7,6586	71,0138	0,1282	73,968	30,52
22/12/2022 19:30	25,578	3,318	7,7075	67,7223	0,128	74,3928	30,42
22/12/2022 20:00	25,9527	3,4668	7,7127	71,6335	0,1271	75,8137	30,33
22/12/2022 20:30	25,9489	3,6522	7,7012	54,4022	0,1257	74,4843	30,23
22/12/2022 21:00	25,8157	3,2298	7,6829	87,621	0,1255	73,6457	30,13
22/12/2022 21:30	21,7265	2,7703	7,6645	69,4801	0,1238	74,4587	30,13
22/12/2022 22:00	21,8923	2,7496	7,6462	75,9841	0,1241	75,4108	30,03
22/12/2022 22:30	22,1308	2,8254	7,6344	70,0338	0,1239	73,3747	30,03
22/12/2022 23:00	22,446	2,7083	7,6195	59,3901	0,1237	74,6491	29,93
22/12/2022 23:30	22,6663	2,7251	7,6061	76,4412	0,1232	74,8981	29,93
23/12/2022 00:00	22,5749	2,7217	7,5911	78,322	0,123	75,1984	29,84
23/12/2022 00:30	22,3545	2,7965	7,5827	78,3352	0,1233	74,3049	29,84
23/12/2022 01:00	22,4254	2,668	7,5778	78,2693	0,1229	74,5173	29,74
23/12/2022 01:30	22,5201	2,7045	7,5627	48,1443	0,1233	74,3928	29,74
23/12/2022 02:00	22,4575	2,663	7,5561	75,5534	0,1236	74,9201	29,64
23/12/2022 02:30	22,5397	2,7314	7,5479	65,5865	0,1241	75,052	29,55
23/12/2022 03:00	22,8494	3,2175	7,5378	69,6427	0,1242	75,1875	29,53

23/12/2022 03:30	22,5737	2,6711	7,5329	76,1995	0,1238	74,5612	29,45
23/12/2022 04:00	22,6515	2,7723	7,5279	54,2177	0,1232	74,0925	29,45
23/12/2022 04:30	22,5945	2,6621	7,5179	74,468	0,1232	75,4108	29,35
23/12/2022 05:00	22,4858	2,6222	7,5179	70,0206	0,1232	74,9091	29,35
23/12/2022 05:30	22,0194	2,6347	7,5097	76,0105	0,1233	75,8357	29,26
23/12/2022 06:00	22,2386	2,6408	7,508	77,2498	0,1236	74,3268	29,26
23/12/2022 06:30	22,0426	2,5825	7,508	49,3397	0,1233	75,019	29,26
23/12/2022 07:00	21,844	2,5831	7,5012	79,0208	0,1229	73,7226	29,26
23/12/2022 07:30	21,8507	2,6945	7,496	57,9399	0,1221	75,1215	29,34
23/12/2022 08:00	21,9233	2,6512	7,4841	78,0408	0,1219	75,5683	29,45
23/12/2022 08:30	22,9718	2,5912	7,4688	55,2372	0,122	74,0229	29,55
23/12/2022 09:00	22,0564	2,4855	7,4585	40,8581	0,123	74,1474	29,64
23/12/2022 09:30	21,6631	2,5875	7,4549	59,5923	0,1236	74,4843	29,84
23/12/2022 10:00	21,4972	2,6152	7,4598	64,7779	0,1248	73,6896	29,93
23/12/2022 10:30	22,0824	2,5307	7,4663	58,7573	0,1251	74,5942	30,03
23/12/2022 11:00	22,0318	2,4618	7,4662	48,597	0,1257	74,6271	30,13
23/12/2022 11:30	21,6056	2,4601	7,466	16,7098	0,1275	74,7187	30,23
23/12/2022 12:00	21,4182	2,4307	7,4743	93,8701	0,1291	75,3559	30,33
23/12/2022 12:30	21,1757	2,6529	7,4776	109,1106	0,128	73,957	30,33
23/12/2022 13:00	21,4844	2,6315	7,4656	115,7201	0,1262	74,6052	30,52
23/12/2022 13:30	21,469	2,4352	7,4537	107,3615	0,1299	75,1765	30,62
23/12/2022 14:00	22,0426	2,5446	7,4587	84,4789	0,1304	75,6123	30,62
23/12/2022 14:30	22,1295	2,5688	7,4721	107,8581	0,1325	74,2829	30,62
23/12/2022 15:00	22,2837	2,5759	7,4889	105,1862	0,133	75,2204	30,62
23/12/2022 15:30	22,3289	2,6762	7,4941	106,5573	0,1353	74,1474	30,52
23/12/2022 16:00	22,6423	2,8362	7,5126	108,1702	0,1361	75,1655	30,52
23/12/2022 16:30	22,6548	2,7722	7,5312	79,535	0,1346	75,8137	30,42
23/12/2022 17:00	22,9684	2,7781	7,5362	108,8557	0,1345	74,2353	30,42
23/12/2022 17:30	23,1582	2,8062	7,5549	52,8597	0,1359	74,6271	30,33
23/12/2022 18:00	23,5	3,3524	7,5583	103,881	0,1355	74,9201	30,3
23/12/2022 18:30	23,0944	2,9335	7,5752	115,3861	0,134	75,3669	30,23

23/12/2022 19:00	22,5611	2,763	7,6443	113,0877	0,1351	75,1215	30,13
23/12/2022 19:30	22,6228	2,8067	7,6779	124,0654	0,1331	75,4438	30,11
23/12/2022 20:00	23,7007	2,7793	7,6798	113,7337	0,1326	73,8581	30,03
23/12/2022 20:30	22,9766	2,801	7,6632	133,9445	0,1327	76,341	29,93
23/12/2022 21:00	23,9724	2,7886	7,6582	129,3477	0,1336	76,2275	29,93
23/12/2022 21:30	23,7147	2,8195	7,6516	115,1312	0,1341	74,7736	29,84
23/12/2022 22:00	23,7075	2,8599	7,6384	123,3535	0,1338	75,03	29,74
23/12/2022 22:30	23,9078	3,296	7,635	122,3076	0,1332	75,3779	29,74
23/12/2022 23:00	24,8956	3,0328	7,6302	131,2286	0,1336	75,2094	29,64
23/12/2022 23:30	24,7749	3,1901	7,6251	139,6794	0,1328	74,0595	29,64
24/12/2022 00:00	24,6661	2,8627	7,6203	98,5196	0,1328	74,0009	29,55
24/12/2022 00:30	24,7111	2,7232	7,6186	96,8804	0,133	74,5173	29,55
24/12/2022 01:00	24,3698	2,8298	7,6188	78,8494	0,1332	75,052	29,45
24/12/2022 01:30	23,9055	2,7571	7,6156	69,9503	0,1335	75,6123	29,35
24/12/2022 02:00	24,2931	2,9546	7,6156	66,8477	0,1336	74,8505	29,35
24/12/2022 02:30	23,2038	2,7353	7,6156	40,0143	0,1325	74,9311	29,35
24/12/2022 03:00	25,0464	2,6847	7,6158	80,4886	0,1332	74,3818	29,26
24/12/2022 03:30	24,179	2,7042	7,6192	63,4068	0,1332	74,5832	29,26
24/12/2022 04:00	24,8385	2,7062	7,6211	69,1066	0,1338	73,7336	29,16
24/12/2022 04:30	23,3963	2,7863	7,616	75,1799	0,1348	75,1435	29,16
24/12/2022 05:00	23,3514	2,6862	7,6162	37,8082	0,1345	75,1435	29,07
24/12/2022 05:30	23,6054	2,7316	7,613	71,8312	0,1347	74,7077	28,98
24/12/2022 06:00	23,7833	2,7034	7,6097	63,7847	0,1352	75,4987	28,97
24/12/2022 06:30	24,2768	2,6599	7,6132	74,2131	0,1355	74,8615	28,89
24/12/2022 07:00	24,2955	2,6214	7,61	68,1398	0,1356	74,5063	28,79
24/12/2022 07:30	25,113	2,6155	7,6117	41,425	0,1347	75,1435	28,79
24/12/2022 08:30	25,7912	2,6406	7,6252	127,6558	0,1334	75,5793	28,78
24/12/2022 09:00	26,0235	2,7232	7,6233	129,2818	0,1332	74,7517	28,89
24/12/2022 09:30	25,3396	2,7818	7,6009	99,8512	0,1303	74,2353	29,16
24/12/2022 10:00	24,644	2,9111	7,5769	121,0287	0,1303	74,1364	29,35
24/12/2022 10:30	25,5287	2,8972	7,5666	101,8947	0,1349	74,2133	29,45

24/12/2022 11:00	25,7455	2,8559	7,5681	89,3964	0,1357	75,6123	29,55
24/12/2022 11:30	25,9266	2,7885	7,5679	50,0384	0,1363	74,0119	29,64
24/12/2022 12:00	26,1238	2,7803	7,5829	29,1553	0,1363	74,3598	29,74
24/12/2022 12:30	25,6105	2,6958	7,6014	38,5993	0,1371	75,3339	29,74
24/12/2022 13:00	26,6098	2,7157	7,6115	11,9153	0,1394	95,7762	29,74
24/12/2022 13:30	26,4744	2,6338	7,618	25,2309	0,1409	94,3223	29,83
24/12/2022 14:00	25,3805	2,6507	7,6315	16,6702	0,1397	93,8645	29,84
24/12/2022 14:30	24,6308	2,6065	7,6347	-2,9209	0,1397	92,5461	29,88
24/12/2022 15:00	24,8347	2,5888	7,6414	8,7951	0,139	93,2932	29,93
24/12/2022 15:30	27,9019	2,5692	7,6531	10,1135	0,1405	94,824	29,93
24/12/2022 16:00	27,3352	2,5393	7,6567	27,0459	0,141	92,8574	29,84
24/12/2022 16:30	25,9568	2,5313	7,6567	14,3455	0,1419	94,2564	29,84
24/12/2022 17:00	26,3499	2,5109	7,65	-2,9209	0,1406	113,1788	29,83
24/12/2022 17:30	23,8245	2,5737	7,6416	24,5322	0,1404	112,7869	29,84
24/12/2022 18:00	24,1641	2,5798	7,63	31,6954	0,1409	113,6475	29,74
24/12/2022 18:30	24,1839	2,5345	7,6148	-2,9473	0,1406	113,7024	29,74
24/12/2022 19:00	23,8079	3,0319	7,6083	29,4102	0,1417	113,523	29,64
24/12/2022 19:30	24,6183	2,7388	7,5965	18,0545	0,1423	113,512	29,64
24/12/2022 20:00	24,7168	2,8746	7,5849	45,3186	0,1404	113,1092	29,55
24/12/2022 20:30	25,2149	2,5079	7,5731	29,9859	0,1395	114,2628	29,55
24/12/2022 21:00	24,4861	2,6316	7,5832	39,3551	0,1395	112,721	29,55
24/12/2022 21:30	25,3283	2,6406	7,6154	32,1788	0,1411	112,6954	29,45
24/12/2022 22:00	24,3089	2,6656	7,6359	14,5213	0,1417	113,772	29,35
24/12/2022 22:30	25,4178	2,6534	7,651	32,9434	0,1414	113,4131	29,35
24/12/2022 23:00	24,7396	2,8073	7,6664	18,9554	0,1403	113,3472	29,26
24/12/2022 23:30	24,3	6,6471	7,6866	37,861	0,1411	113,1678	29,26
25/12/2022 00:00	24,6042	2,7476	7,6953	37,4303	0,1403	113,5596	29,16
25/12/2022 00:30	24,3393	2,68	7,7037	11,7263	0,1396	114,0723	29,16
25/12/2022 01:00	24,4005	2,631	7,6988	37,0699	0,1397	112,6624	29,07
25/12/2022 01:30	25,3019	5,0415	7,6971	34,6793	0,1397	113,501	29,07
25/12/2022 02:00	24,2202	2,6403	7,694	43,0378	0,1395	113,2776	28,98

25/12/2022 02:30	24,1032	2,636	7,6923	33,3741	0,1397	113,0433	28,98
25/12/2022 03:00	24,6113	2,7169	7,6874	15,554	0,1398	112,0472	28,89
25/12/2022 03:30	23,8503	2,7088	7,6758	33,1851	0,1407	112,461	28,79
25/12/2022 04:00	23,8131	2,7011	7,6761	31,4273	0,1404	113,9625	28,68
25/12/2022 04:30	22,9888	2,7086	7,6727	44,5671	0,1393	112,5306	28,67
25/12/2022 05:00	23,535	2,7311	7,6679	38,129	0,1393	111,7359	28,57
25/12/2022 05:30	24,0057	2,7995	7,6611	31,7745	0,1395	114,3653	28,57
25/12/2022 06:00	24,0166	2,7912	7,658	113,2371	0,1391	113,4791	28,46
25/12/2022 06:30	23,1818	2,8369	7,6565	108,0339	0,1392	93,6411	28,36
25/12/2022 07:00	23,462	2,8461	7,6549	69,735	0,139	93,74	28,35
25/12/2022 07:30	23,3362	2,8898	7,6566	61,082	0,1384	94,0439	28,35
25/12/2022 08:00	23,5511	2,9153	7,6566	87,0849	0,1384	94,9265	28,35
25/12/2022 08:30	23,1549	4,6549	7,6582	62,106	0,1373	94,2893	28,35
25/12/2022 09:00	22,6491	2,9746	7,6699	80,2469	0,1371	93,3957	28,45
25/12/2022 09:30	22,3204	2,9687	7,6679	60,4668	0,1376	94,8716	28,57
25/12/2022 10:00	22,5576	3,1024	7,6795	62,6685	0,1372	93,9084	28,68
25/12/2022 10:30	22,6664	3,0184	7,6964	82,7738	0,1378	94,1758	28,68
25/12/2022 11:00	22,3176	3,0676	7,7077	50,1966	0,1384	93,5386	28,88
25/12/2022 11:30	22,755	3,1045	7,7157	40,7131	0,1373	94,5896	29,07
25/12/2022 12:00	23,5432	3,0385	7,7307	62,106	0,1381	94,3772	29,16
25/12/2022 12:30	22,7677	3,0205	7,7422	63,9473	0,1391	93,718	29,26
25/12/2022 13:00	23,2055	2,9989	7,7518	53,0619	0,1398	93,8975	29,45
25/12/2022 13:30	23,5613	2,9845	7,76	47,4148	0,141	93,4177	29,54
25/12/2022 14:00	23,8769	11,1446	7,7665	56,2568	0,1417	93,2053	29,64
25/12/2022 14:30	24	3,0139	7,7663	66,4566	0,1416	93,8206	29,73
25/12/2022 15:00	23,2638	3,1137	7,773	43,7893	0,1416	94,8496	29,74
25/12/2022 15:30	23,2538	3,0841	7,7643	39,5133	0,1427	93,3481	29,84
25/12/2022 16:00	23,2816	2,9946	7,7677	67,5333	0,1432	94,5566	29,84
25/12/2022 16:30	23,6281	2,996	7,766	71,4049	0,1426	93,5605	29,83
25/12/2022 17:00	23,3332	2,9985	7,761	71,4709	0,1425	93,0478	29,84
25/12/2022 17:30	23,201	3,32	7,7492	61,0293	0,1429	94,1209	29,84

25/12/2022 18:00	23,3168	2,9987	7,7427	62,6949	0,144	94,0989	29,74
25/12/2022 18:30	22,9269	2,9291	7,7329	90,5918	0,1438	94,3992	29,64
25/12/2022 19:00	21,3281	2,9118	7,7211	62,5191	0,1438	94,7471	29,64
25/12/2022 19:30	21,4652	2,9047	7,7095	62,4927	0,1428	94,3882	29,55
25/12/2022 20:00	21,7983	2,9076	7,6963	92,0859	0,1424	94,3223	29,45
25/12/2022 20:30	22,228	2,8592	7,6862	90,3896	0,1427	93,6521	29,43
25/12/2022 21:00	22,4621	2,9211	7,6729	95,1358	0,1423	74,2939	29,35
25/12/2022 21:30	22,3541	3,016	7,663	68,421	0,1417	75,2424	29,26
25/12/2022 22:00	22,3866	2,9047	7,6599	71,6598	0,141	73,5871	29,16
25/12/2022 22:30	22,2404	2,8076	7,6481	82,8924	0,1409	73,9899	29,16
25/12/2022 23:00	22,2342	2,8151	7,6415	38,2521	0,1396	75,1545	29,07
25/12/2022 23:30	22,4486	2,8155	7,6331	40,7263	0,1391	74,0339	29,07
26/12/2022 00:00	22,2962	2,8248	7,6265	71,1501	0,1389	74,3598	28,98
26/12/2022 00:30	22,1844	2,8056	7,6248	74,2922	0,1395	75,019	28,98
26/12/2022 01:00	22,044	2,8934	7,6149	70,5304	0,1386	75,3779	28,89
26/12/2022 01:30	21,7547	2,9092	7,6048	53,4486	0,1383	74,6491	28,89
26/12/2022 02:00	21,7353	2,8774	7,6031	60,3437	0,1382	74,5502	28,89
26/12/2022 02:30	21,8309	3,0006	7,5982	85,7973	0,1389	74,2939	28,79
26/12/2022 03:00	21,6793	2,8801	7,5934	41,4909	0,1388	73,5541	28,68
26/12/2022 03:30	21,853	2,917	7,5849	45,5471	0,1391	74,8872	28,67
26/12/2022 04:00	21,6151	2,7599	7,575	69,401	0,1399	73,8801	28,57
26/12/2022 04:30	21,905	3,0752	7,5803	73,9846	0,141	74,7077	28,46
26/12/2022 05:00	21,9903	2,94	7,5735	77,0872	0,1369	74,4367	28,46
26/12/2022 05:30	22,0399	2,8872	7,5685	57,2412	0,1363	74,7626	28,46
26/12/2022 06:00	22,0679	2,7713	7,5635	60,814	0,1366	73,6896	28,38
26/12/2022 06:30	22,2205	2,713	7,5619	91,1587	0,1373	75,7148	28,35
26/12/2022 07:00	22,2009	2,7107	7,5602	111,5979	0,1363	76,07	28,35
26/12/2022 07:30	22,3227	2,6659	7,5465	48,3025	0,1352	74,6491	28,46
26/12/2022 08:00	21,9211	2,6666	7,5309	40,6823	0,134	73,6567	28,68
26/12/2022 08:30	21,8398	2,5184	7,5137	66,0435	0,1342	74,5502	28,89
26/12/2022 09:00	21,5325	2,4797	7,5083	80,2864	0,1348	74,0229	29,07

26/12/2022 09:30	21,3872	2,4972	7,5031	15,6243	0,1364	73,924	29,16
26/12/2022 10:00	21,9521	2,4691	7,5063	12,9744	0,1373	75,2314	29,26
26/12/2022 10:30	21,9997	2,6251	7,5061	50,6668	0,1383	75,3559	29,35
26/12/2022 11:00	22,288	2,4618	7,5077	82,1409	0,1382	73,1843	29,45
26/12/2022 11:30	22,573	2,4028	7,5126	23,6972	0,1396	74,6601	29,54
26/12/2022 12:00	22,8083	2,4272	7,5208	33,0797	0,1391	75,008	29,64
26/12/2022 12:30	22,8281	2,3818	7,5257	49,243	0,1387	75,4658	29,74
26/12/2022 13:00	22,7967	2,4003	7,5289	66,5797	0,1394	75,323	29,83
26/12/2022 13:30	23,8233	2,3606	7,5289	12,0998	0,14	74,8505	29,84
26/12/2022 14:00	24,0075	2,3654	7,5371	8,5402	0,1392	75,019	29,93
26/12/2022 14:30	24,8817	2,3713	7,5369	41,0602	0,1395	74,6381	30,03
26/12/2022 15:00	23,9135	2,4167	7,5319	63,9869	0,1389	75,3559	30,03
26/12/2022 15:30	22,6255	2,3773	7,5369	26,1582	0,1403	74,5393	30,03
26/12/2022 16:00	22,3853	2,3838	7,5321	37,2194	0,1431	93,7839	29,93
26/12/2022 16:30	22,5536	2,538	7,529	86,2938	0,1461	95,0401	29,74
26/12/2022 17:00	23,1829	2,6352	7,5243	111,0706	0,1526	94,5457	29,55
26/12/2022 17:30	23,1458	2,5533	7,5159	44,7297	0,1452	95,1499	29,55
26/12/2022 18:00	23,1951	2,5398	7,5075	29,5859	0,1372	94,1538	29,54
26/12/2022 18:30	23,1554	2,4594	7,5058	94,6656	0,1361	111,9593	29,55
26/12/2022 19:00	23,2699	2,495	7,506	162,7818	0,1352	113,2337	29,45
26/12/2022 19:30	23,5061	2,5329	7,5093	113,9491	0,1356	112,6624	29,45
26/12/2022 20:00	23,8634	2,5359	7,5144	83,0155	0,1365	113,0433	29,45
26/12/2022 20:30	23,9393	2,5352	7,5078	112,8065	0,1365	112,2376	29,35
26/12/2022 21:00	23,6255	2,5702	7,5146	21,4823	0,1366	-2	29,35
26/12/2022 21:30	24,1099	2,5599	7,5146	14,8684	0,1362	-2	29,35
26/12/2022 22:00	24,4601	2,5443	7,5163	9,0368	0,1365	-1,9451	29,34
26/12/2022 22:30	24,6032	2,5273	7,5181	10,0871	0,136	-1,9561	29,26
26/12/2022 23:00	24,1784	2,5132	7,4963	15,0706	0,1364	-1,9451	29,19
26/12/2022 23:30	22,5674	2,3969	7,4274	10,8386	0,14	-1,9451	29,07
27/12/2022 00:00	21,7136	2,4127	7,3566	12,0603	0,1459	-1,9561	28,98
27/12/2022 00:30	20,4032	2,291	7,2925	7,424	0,1505	-2	28,98

27/12/2022 01:00	19,7273	2,2567	7,2471	11,6867	0,153	-2	28,89
27/12/2022 01:30	19,3626	2,3622	7,2117	7,5339	0,1562	-2	28,89
27/12/2022 02:00	18,0086	2,2635	7,1729	6,4704	0,161	-2	28,79
27/12/2022 02:30	17,765	2,2865	7,1358	7,3053	0,1667	-1,967	28,79
27/12/2022 03:00	17,2358	2,4209	7,097	6,4176	0,1736	-1,9561	28,79
27/12/2022 03:30	16,3079	2,2215	7,0548	5,0465	0,1817	-1,9451	28,68
27/12/2022 04:00	15,435	2,2751	7,0193	10,6892	0,1911	-1,9561	28,68
27/12/2022 04:30	15,4048	2,2324	6,9771	9,4016	0,2011	-2	28,57
27/12/2022 05:00	14,7448	2,2017	6,9484	6,0265	0,2113	-2	28,57
27/12/2022 05:30	14,3695	2,1979	6,9163	9,3049	0,2224	-2	28,46
27/12/2022 06:00	14,2584	2,1296	6,8757	4,7916	0,2372	91,7954	28,46
27/12/2022 06:30	13,1765	2,1404	6,8267	16,7098	0,2524	-1,978	28,35
27/12/2022 07:00	12,5759	2,0928	6,7878	13,8621	0,2684	-1,967	28,35
27/12/2022 07:30	11,912	2,0443	6,754	11,2429	0,2845	-1,9561	28,35
27/12/2022 08:00	11,2685	2,0048	6,7406	9,6037	0,3034	-2	28,46
27/12/2022 08:30	10,0737	2,0004	6,7187	5,3849	0,3213	-2	28,57
27/12/2022 09:00	9,9488	2	6,7188	2,5196	0,3418	-2	28,68
27/12/2022 09:30	10,0702	1,9782	6,7104	-1,1631	0,3642	-2	28,68
27/12/2022 10:00	9,5132	1,9681	6,7002	-1,4839	0,3867	-1,9341	28,68
27/12/2022 10:30	10,4114	1,9298	6,6868	-2,7891	0,4111	-1,9341	28,79
27/12/2022 11:00	9,7932	1,9251	6,665	-2,9209	0,4362	56,4994	28,89
27/12/2022 11:30	8,8643	2,0534	6,687	19,3202	0,4628	51,0318	28,98
27/12/2022 12:00	9,177	2,0683	6,7106	20,9593	0,4748	54,0824	28,89
27/12/2022 12:30	12,2264	2,0438	6,7645	20,1903	0,4138	58,5795	28,89
27/12/2022 13:00	16,3236	2,2488	7,0008	10,7463	0,3639	58,0778	29,16
27/12/2022 13:30	17,6945	2,7396	7,2821	20,9286	0,3354	55,7853	29,35
27/12/2022 14:00	18,0861	2,412	7,4066	26,3999	0,3299	55,1005	29,45
27/12/2022 14:30	18,9983	2,3923	7,4706	24,519	0,3189	56,2211	29,45
27/12/2022 15:00	20,6671	2,424	7,5043	29,731	0,3108	58,0558	29,46
27/12/2022 15:30	20,0196	2,4153	7,5211	27,0854	0,3058	55,8293	29,45
27/12/2022 16:00	19,6166	2,3701	7,5228	35,9405	0,2978	55,7487	29,45

27/12/2022 16:30	20,8792	2,3353	7,5211	34,7716	0,2851	55,0236	29,45
27/12/2022 17:00	21,3255	2,3452	7,5194	40,5768	0,2716	58,6015	29,45
27/12/2022 17:30	20,8668	2,348	7,5127	38,3312	0,2617	60,4253	29,45
27/12/2022 18:00	20,9681	2,3474	7,5077	37,3248	0,2533	60,7146	29,45
27/12/2022 18:30	20,7589	2,3376	7,5061	38,7091	0,2451	55,8183	29,35
27/12/2022 19:00	21,191	2,3705	7,4977	44,6902	0,2361	55,9977	29,35
27/12/2022 19:30	21,3764	2,3798	7,496	42,6071	0,228	54,6976	29,35
27/12/2022 20:00	21,4242	2,444	7,4826	41,2756	0,221	54,8991	29,35
27/12/2022 20:30	21,4338	2,4329	7,4809	44,0837	0,2159	57,8874	29,35
27/12/2022 21:00	21,5321	2,4295	7,4691	46,3953	0,2117	55,258	29,35
27/12/2022 21:30	21,7369	2,4941	7,4675	38,63	0,2082	59,7441	29,26
27/12/2022 22:00	21,9104	2,468	7,4625	44,4221	0,2041	60,5827	29,26
27/12/2022 22:30	21,8159	2,4264	7,4507	43,1301	0,2007	55,192	29,26
27/12/2022 23:00	22,0964	2,4771	7,4458	43,4773	0,1982	55,5143	29,16
27/12/2022 23:30	22,3334	2,4575	7,4458	44,0837	0,1944	59,799	29,16
28/12/2022 00:00	21,8981	2,472	7,4441	40,9416	0,1919	54,3058	29,16
28/12/2022 00:30	21,9135	2,4867	7,4289	43,8948	0,1886	55,8952	29,16
28/12/2022 01:30	22,0639	2,5076	7,4274	53,4091	0,1831	56,0966	29,07
28/12/2022 02:00	22,0535	2,5094	7,424	45,7493	0,1795	56,2101	29,07
28/12/2022 02:30	23,4047	2,5169	7,424	44,8352	0,1764	54,3204	29,07
28/12/2022 03:00	23,5688	2,5743	7,4241	44,7165	0,1741	55,8402	28,98
28/12/2022 03:30	23,9208	2,5519	7,419	44,1936	0,1713	55,4154	28,98
28/12/2022 04:00	21,7435	2,5741	7,4158	49,3924	0,1681	55,4813	28,89
28/12/2022 04:30	21,7254	2,5867	7,4158	43,8288	0,1676	54,9357	28,89
28/12/2022 05:00	21,8896	2,542	7,4126	43,1565	0,1656	56,5214	28,79
28/12/2022 05:30	21,6771	2,5134	7,4092	44,488	0,1636	55,4594	28,78
28/12/2022 06:00	21,552	2,4932	7,4092	50,0252	0,1613	55,3825	28,79
28/12/2022 06:30	21,446	2,4603	7,4041	124,2808	0,1586	56,309	28,79
28/12/2022 07:00	22,2164	2,5646	7,4109	30,1089	0,1543	58,6931	28,79
28/12/2022 07:30	21,4712	2,4984	7,4141	-2,9209	0,1529	56,1991	28,89
28/12/2022 08:00	21,4447	2,502	7,4327	-2,9209	0,1546	56,0746	28,89

28/12/2022 08:30	21,7018	2,5432	7,4801	-2,9077	0,1581	55,9757	28,79
28/12/2022 09:00	21,9485	2,4541	7,5157	-2,9077	0,156	55,6168	28,68
28/12/2022 09:30	21,8777	2,4148	7,5343	-2,9077	0,1529	54,921	28,68
28/12/2022 10:00	22,3069	2,36	7,5461	46,5711	0,1501	55,4264	28,68
28/12/2022 10:30	22,2244	2,4587	7,5459	27,1909	0,1488	55,6278	28,79
28/12/2022 11:00	22,0766	2,3954	7,5423	-2,7759	0,1471	58,4916	28,89
28/12/2022 11:30	22,4697	5,0289	7,5371	32,9962	0,1446	55,9867	28,98
28/12/2022 12:00	22,3605	2,4115	7,5252	17,6942	0,146	75,2314	29,07
28/12/2022 12:30	22,588	2,4184	7,508	93,3472	0,1432	74,5722	29,26
28/12/2022 13:00	23,1939	6,4013	7,5029	37,7028	0,146	75,0629	29,26
28/12/2022 13:30	23,233	2,4269	7,491	-2,7759	0,1455	74,0449	29,36
28/12/2022 14:00	22,5413	2,4711	7,4824	51,0052	0,1453	75,1325	29,45
28/12/2022 14:30	24,6436	2,9778	7,4654	38,5993	0,1451	75,1106	29,55
28/12/2022 15:00	24,3394	2,4956	7,4585	21,3593	0,1427	74,8872	29,64
28/12/2022 15:30	25,1695	2,4859	7,4533	45,5911	0,1434	75,323	29,74
28/12/2022 16:00	25,5127	2,6641	7,4516	37,8873	0,1433	74,3708	29,74
28/12/2022 16:30	25,6384	2,6011	7,4516	-2,9209	0,1431	74,5502	29,74
28/12/2022 17:00	26,5191	2,6944	7,4535	-2,9209	0,1432	75,0739	29,64
28/12/2022 17:30	25,8621	2,5849	7,4553	-2,9209	0,1444	74,7517	29,55
28/12/2022 18:00	25,0246	2,6653	7,4502	-2,9341	0,1459	75,4987	29,55
28/12/2022 18:30	25,7107	2,5748	7,4435	-2,9341	0,1412	74,7187	29,55
28/12/2022 19:00	25,9983	2,8783	7,4437	198,567	0,1395	93,6191	29,45
28/12/2022 19:30	25,2471	3,6444	7,6731	157,7017	0,1504	93,9744	29,26
28/12/2022 20:00	24,8979	3,4901	7,8318	116,6737	0,1512	93,8975	29,16
28/12/2022 20:30	25,2537	3,2214	7,766	84,9227	0,143	95,0144	29,16
28/12/2022 21:00	25,8731	3,1857	7,6902	88,6581	0,1378	93,7839	29,16
28/12/2022 21:30	25,1675	3,614	7,6415	86,5883	0,1363	93,5276	29,07
28/12/2022 22:00	25,5608	3,9208	7,5705	87,3398	0,1356	94,2454	29,16
28/12/2022 22:30	25,8115	2,9912	7,5166	61,9566	0,1343	92,7915	29,16
28/12/2022 23:00	25,0078	2,9125	7,5184	24,3959	0,1349	91,6709	29,07
28/12/2022 23:30	23,7219	8,0801	7,5201	92,6352	0,1357	94,5566	29,07

29/12/2022 00:00	22,9328	2,9974	7,5386	87,5419	0,1362	94,5676	29,07
29/12/2022 00:30	22,5223	3,0492	7,6488	89,7612	0,1457	93,5276	28,79
29/12/2022 01:00	22,822	3,152	7,7436	94,7578	0,1476	93,9634	28,68
29/12/2022 01:30	23,3537	3,4836	7,7794	73,1364	0,143	93,1467	28,57
29/12/2022 02:00	23,0399	3,1126	7,7797	97,1617	0,1364	93,751	28,46
29/12/2022 02:30	22,2858	13,6584	7,7644	90,4467	0,1346	93,8425	28,46
29/12/2022 03:00	22,5425	3,0159	7,7442	43,3322	0,133	94,6812	28,46
29/12/2022 03:30	22,0079	3,0831	7,7307	95,4829	0,1325	94,1538	28,46
29/12/2022 04:00	22,4904	2,9756	7,7053	92,3276	0,1327	92,2422	28,46
29/12/2022 04:30	22,6601	2,8971	7,6971	87,1947	0,1325	93,4397	28,35
29/12/2022 05:00	22,1736	6,191	7,6904	88,4428	0,1322	93,2932	28,35
29/12/2022 05:30	22,3395	2,9532	7,6751	76,428	0,1319	93,8206	28,35
29/12/2022 06:00	22,7349	2,8869	7,6718	152,6215	0,1321	112,9883	28,35
29/12/2022 06:30	23,0387	2,8222	7,6599	124,2676	0,1317	113,6805	28,35
29/12/2022 07:00	23,1899	2,8944	7,6462	96,9463	0,1307	113,1678	28,46
29/12/2022 07:30	24,0492	2,7119	7,6337	125,5288	0,1279	113,0323	28,79
29/12/2022 08:00	24,8378	6,1133	7,625	110,9915	0,1288	111,4685	28,89
29/12/2022 08:30	25,0383	2,6454	7,628	118,8402	0,1296	113,3802	29,07
29/12/2022 09:00	24,1188	2,7466	7,6346	98,8712	0,131	113,0103	29,16
29/12/2022 09:30	24,4104	2,7335	7,6529	19,1839	0,1324	113,4351	29,26
29/12/2022 10:00	25,5935	2,7889	7,6544	94,8238	0,1316	112,9993	29,35
29/12/2022 10:30	25,1999	5,7443	7,666	88,8603	0,1308	112,3511	29,45
29/12/2022 11:00	25,4603	3,4007	7,6841	84,3558	0,1312	112,1167	29,64
29/12/2022 11:30	25,9597	2,6725	7,6889	93,6987	0,1313	113,2557	29,74
29/12/2022 12:00	25,877	2,7952	7,7019	77,9089	0,1315	112,6844	29,93
29/12/2022 12:30	25,8632	2,6832	7,7086	105,507	0,1315	112,1717	29,93
29/12/2022 13:00	25,6044	2,6699	7,7115	88,5219	0,1316	113,1678	30,13
29/12/2022 13:30	25,0729	2,7803	7,7247	27,4062	0,1319	112,406	30,23
29/12/2022 14:00	25,2409	2,901	7,7228	94,3008	0,1327	114,3873	30,32
29/12/2022 14:30	24,667	2,6341	7,7278	74,1428	0,132	94,1758	30,33
29/12/2022 15:00	25,0473	2,7358	7,7293	51,0448	0,1323	94,1648	30,42

29/12/2022 15:30	25,5004	3,5112	7,7161	68,8517	0,1338	94,2783	30,33
29/12/2022 16:00	25,7183	2,7081	7,7245	59,0254	0,134	94,6921	30,33
29/12/2022 16:30	26,7481	2,7488	7,7264	36,0196	0,1323	94,6262	30,23
29/12/2022 17:00	26,1604	2,744	7,718	100,0797	0,1325	93,718	30,22
29/12/2022 17:30	24,5927	2,741	7,7266	26,6547	0,1325	94,4688	30,13
29/12/2022 18:00	23,0289	3,0452	7,7801	88,4164	0,1291	93,9963	30,23
29/12/2022 18:30	22,444	7,7382	7,7871	88,3901	0,1283	92,2971	30,13
29/12/2022 19:00	22,5367	8,3552	7,7605	66,8214	0,1307	94,4358	30,03
29/12/2022 19:30	23,1357	7,1756	7,7134	97,3638	0,1305	93,3371	30,03
29/12/2022 20:00	23,5432	5,8882	7,6935	77,1135	0,1288	94,7471	29,93
29/12/2022 20:30	24,4621	6,1024	7,6936	105,8718	0,1288	93,2932	29,89
29/12/2022 21:00	25,2696	5,7758	7,6769	95,9795	0,1277	92,7695	29,84
29/12/2022 21:30	25,8324	5,8502	7,6737	35,5758	0,1283	93,4726	29,74
29/12/2022 22:00	26,2362	2,9038	7,6721	105,2521	0,1276	94,0659	29,7
29/12/2022 22:30	26,5402	2,985	7,6672	89,1811	0,1262	94,4688	29,64
29/12/2022 23:00	26,486	3,0327	7,6689	78,9812	0,1261	94,022	29,64
29/12/2022 23:30	24,5214	3,026	7,6554	107,0144	0,1251	94,3772	29,64
30/12/2022 00:00	24,4097	2,9572	7,654	97,5001	0,1239	94,2673	29,55
30/12/2022 00:30	24,4599	2,9174	7,6573	119,9696	0,1251	94,6262	29,55
30/12/2022 01:00	24,674	2,9364	7,6472	101,7584	0,1242	93,4067	29,55
30/12/2022 01:30	24,5575	2,9447	7,6508	33,2686	0,1241	94,6006	29,46
30/12/2022 02:00	24,1445	2,9549	7,6508	110,9124	0,1244	93,74	29,45
30/12/2022 02:30	24,0679	2,9252	7,6474	95,3643	0,1232	95,2378	29,45
30/12/2022 03:00	24,7256	2,966	7,6474	64,0923	0,1241	94,813	29,45
30/12/2022 03:30	25,0769	2,9395	7,6474	96,8145	0,1236	93,1943	29,45
30/12/2022 04:00	23,8932	2,908	7,6441	83,7933	0,1241	93,3957	29,45
30/12/2022 04:30	24,6453	3,0104	7,6474	115,4388	0,1235	93,6081	29,45
30/12/2022 05:00	25,2335	2,9243	7,6373	103,3053	0,1224	93,4287	29,45
30/12/2022 05:30	25,0889	2,9356	7,6373	34,2618	0,123	94,1209	29,45
30/12/2022 06:00	24,8478	2,9053	7,6443	119,1215	0,1239	95,051	29,35
30/12/2022 06:30	24,8441	2,9078	7,6392	93,1846	0,1235	94,0549	29,35

30/12/2022 07:00	24,4597	2,9365	7,6375	43,2927	0,1243	93,4946	29,35
30/12/2022 07:30	24,35	2,8755	7,6359	94,7183	0,1247	94,1318	29,35
30/12/2022 08:00	24,6815	3,0025	7,6392	90,4292	0,1239	93,9414	29,34
30/12/2022 08:30	24,8843	3,0266	7,6476	113,7205	0,1227	93,0808	29,35
30/12/2022 09:00	26,1678	2,8766	7,6407	92,5122	0,1218	93,4836	29,45
30/12/2022 09:30	25,9908	2,8645	7,6474	20,6737	0,1218	93,9194	29,45
30/12/2022 10:00	26,4886	2,8821	7,6508	94,6787	0,1228	94,0769	29,45
30/12/2022 10:30	26,4858	2,8214	7,6523	69,1593	0,1215	93,0918	29,55
30/12/2022 11:00	28,0944	2,9874	7,6605	46,2327	0,1223	93,4836	29,64
30/12/2022 11:30	27,3132	2,7951	7,6672	74,9646	0,123	94,3992	29,64
30/12/2022 12:00	28,6726	3,1197	7,667	62,9234	0,1247	93,8975	29,74
30/12/2022 12:30	29,101	3,2539	7,6897	81,8465	0,1143	94,2344	30,13
30/12/2022 13:00	28,504	2,8493	7,6861	71,3083	0,1204	94,8496	30,23
30/12/2022 13:30	28,5675	2,9677	7,7058	13,3523	0,1238	94,022	30,4
30/12/2022 14:00	28,3345	2,9243	7,6991	85,1776	0,1268	94,3223	30,42
30/12/2022 14:30	28,019	2,9298	7,7089	70,2755	0,1291	94,824	30,52
30/12/2022 15:00	28,3997	3,0149	7,7173	53,8793	0,1281	93,8206	30,52
30/12/2022 16:00	23,4691	3,1021	7,7106	65,2877	0,1281	94,0879	30,52
30/12/2022 16:30	23,7485	3,1219	7,7175	88,5746	0,1268	94,8606	30,42
30/12/2022 17:00	23,7344	2,9574	7,694	78,4846	0,1262	94,8606	30,42
30/12/2022 17:30	23,9711	3,0214	7,7159	18,1204	0,1257	93,9963	30,42
30/12/2022 18:00	23,8596	3,0384	7,7142	50,535	0,1252	93,5056	30,42
30/12/2022 18:30	24,233	3,0161	7,684	74,0109	0,1242	93,5056	30,42
30/12/2022 19:00	23,9282	3,3475	7,6859	33,752	0,1244	93,3591	30,33
30/12/2022 19:30	23,434	3,2796	7,7905	96,397	0,1308	93,8425	30,13
30/12/2022 20:00	23,1706	3,4111	7,8936	91,5586	0,1358	94,1538	29,93
30/12/2022 20:30	23,3427	3,4435	7,9409	98,8009	0,1328	93,9634	29,84
30/12/2022 21:00	23,6355	3,6591	7,9497	91,0356	0,1272	93,0478	29,74
30/12/2022 21:30	24,3319	3,5516	7,9345	67,3707	0,1227	93,7729	29,74
30/12/2022 22:00	24,7015	3,5859	7,9143	71,9279	0,1197	94,1648	29,74
30/12/2022 22:30	24,1871	3,4937	7,8995	87,1947	0,1209	94,3882	29,64

30/12/2022 23:00	23,5479	3,5326	7,8826	35,378	0,1204	93,3957	29,64
30/12/2022 23:30	24,0754	3,3584	7,8678	103,0768	0,1202	93,9194	29,55
31/12/2022 00:00	24,4145	3,4336	7,8442	35,5626	0,1204	93,8425	29,55
31/12/2022 00:30	24,6987	3,233	7,8325	83,2967	0,1208	94,3333	29,51
31/12/2022 01:00	25,2576	3,3921	7,8276	93,4395	0,1211	92,3447	29,45
31/12/2022 01:30	25,356	3,083	7,8074	78,2166	0,1212	93,5972	29,45
31/12/2022 02:00	25,112	3,0262	7,7959	53,2772	0,121	93,8425	29,35
31/12/2022 02:30	24,5636	3,0215	7,7959	79,1834	0,123	94,2893	29,35
31/12/2022 03:00	24,3695	3,0088	7,781	38,7223	0,1233	93,4726	29,26
31/12/2022 04:00	23,3941	3,0799	7,7576	70,4909	0,1223	94,0879	29,17
31/12/2022 04:30	23,5971	2,9973	7,7526	62,8575	0,1225	93,762	29,16
31/12/2022 05:00	24,094	2,9761	7,7494	96,9903	0,1238	93,5496	29,07
31/12/2022 05:30	24,1903	3,0233	7,7393	76,2258	0,124	93,9414	29,07
31/12/2022 06:00	24,4864	2,9404	7,731	101,5167	0,1221	94,1648	29
31/12/2022 06:30	24,248	3,1224	7,7277	78,3089	0,1215	93,6301	28,98
31/12/2022 07:00	24,3354	2,9846	7,7176	36,5734	0,1216	93,751	28,98
31/12/2022 07:30	23,3651	2,9141	7,7159	99,192	0,1208	55,8952	28,98
31/12/2022 08:00	24,0316	2,9768	7,7125	50,2933	0,1197	55,9281	28,98
31/12/2022 08:30	24,2306	2,9148	7,7193	17,492	0,1192	54,5878	28,98
31/12/2022 09:00	24,8769	2,8716	7,721	52,684	0,119	55,3019	28,98
31/12/2022 09:30	25,9578	3,1087	7,7241	31,5987	0,1187	54,6427	29,06
31/12/2022 10:00	25,5641	2,8622	7,7224	53,7343	0,1186	57,1037	29,07
31/12/2022 10:30	26,34	2,8223	7,734	37,0304	0,1185	55,3935	29,16
31/12/2022 11:00	25,3757	2,8657	7,7391	7,279	0,1187	54,5658	29,16
31/12/2022 11:30	26,2771	2,8449	7,754	42,5676	0,1185	55,2799	29,26
31/12/2022 12:00	26,2614	2,8618	7,7607	26,3603	0,1208	54,8112	29,26
31/12/2022 12:30	25,7816	5,0009	7,7738	5,3541	0,1186	54,9577	29,44
31/12/2022 13:00	25,4216	2,7644	7,8091	36,3712	0,1183	54,7782	29,46
31/12/2022 13:30	24,9287	2,8772	7,8038	23,0556	0,121	58,0192	29,55
31/12/2022 14:00	25,8635	2,8575	7,8384	45,468	0,1182	55,9062	29,83
31/12/2022 14:30	25,5286	2,7765	7,8467	27,1909	0,1205	55,1701	29,84

31/12/2022 15:00	25,4382	2,8563	7,865	4,9542	0,1222	94,8386	29,93
31/12/2022 15:30	26,067	2,8011	7,8781	61,7017	0,1204	93,4177	30,03
31/12/2022 16:00	23,0697	3,9254	7,8852	60,7349	0,1235	94,1209	29,93
31/12/2022 16:30	23,2666	3,398	7,8815	60,7612	0,1256	94,791	30,03
31/12/2022 17:00	23,4846	3,9649	7,9034	76,8191	0,1222	93,1943	30,03
31/12/2022 17:30	23,71	4,7159	7,9118	60,4932	0,1226	94,2234	30,03
31/12/2022 18:00	23,9499	3,221	7,9235	90,1084	0,1222	93,7729	30,03
31/12/2022 18:30	24,2026	3,3947	7,9205	84,8392	0,1219	93,8535	29,93
31/12/2022 19:00	24,4163	3,4188	7,8955	38,5729	0,1261	95,084	29,84
31/12/2022 19:30	24,8293	3,2739	7,8885	98,4405	0,1214	92,9819	29,93
31/12/2022 20:00	24,7767	3,6147	7,8801	88,0912	0,12	93,8535	29,93
31/12/2022 20:30	24,9843	3,152	7,8686	76,696	0,122	94,5896	29,83
31/12/2022 21:00	25,3821	3,1834	7,8622	92,9429	0,1234	94,2234	29,74
31/12/2022 21:30	25,3842	3,3812	7,8439	72,007	0,1226	93,8096	29,64
31/12/2022 22:00	25,6256	3,5436	7,829	109,7962	0,1219	93,9414	29,56
31/12/2022 22:30	25,5896	13,8855	7,8324	84,2899	0,1211	93,6411	29,55
31/12/2022 23:00	25,5675	8,4378	7,8125	36,4635	0,1208	93,2932	29,45
31/12/2022 23:30	23,6221	3,25	7,8127	102,1759	0,1195	92,6011	29,35