

## KẾT QUẢ ONLINE TRẠM QTTĐ KCN KHAI QUANG THÁNG 1/2025

STT	Thời gian	TSS (mg/l}	COD (mg/l}	pH{}	Temp (oC}	Flow in (m3/h}	N-NH4+ (mg/L}	Flow-Out (m3/h}
1	00:00 01/01/2025	1.77	18.38	6.86	23.18	465.06	0.53	125.10
2	01:00 01/01/2025	1.77	18.42	6.84	23.17	465.57	0.53	859.79
3	02:00 01/01/2025	1.77	18.41	6.88	23.04	348.18	0.53	114.67
4	03:00 01/01/2025	1.77	18.41	6.79	23.25	320.61	0.53	685.46
5	04:00 01/01/2025	1.77	18.40	6.83	23.08	464.21	0.53	362.88
6	05:00 01/01/2025	1.77	18.41	6.81	23.10	465.78	0.53	500.48
7	06:00 01/01/2025	1.77	18.42	6.78	23.21	467.34	0.53	330.18
8	07:00 01/01/2025	1.77	18.41	6.88	22.92	466.56	0.53	253.44
9	08:00 01/01/2025	1.77	18.40	6.73	23.20	326.02	0.53	705.46
10	11:00 01/01/2025	1.77	18.42	6.77	23.29	170.56	0.53	215.74
11	12:00 01/01/2025	1.77	18.40	6.83	23.26	42.48	0.53	9.14
12	13:00 01/01/2025	1.77	18.41	6.87	23.34	0	0.53	66.64
13	14:00 01/01/2025	1.78	18.41	6.83	23.51	0	0.53	212.09
14	15:00 01/01/2025	1.77	18.42	6.91	23.51	299.16	0.53	1.07
15	16:00 01/01/2025	1.77	18.42	6.95	23.47	336.19	0.53	5.28
16	17:00 01/01/2025	1.77	18.42	6.98	23.20	410.13	0.53	6.59
17	18:00 01/01/2025	1.77	18.43	7.01	23.16	459.13	0.53	8.53
18	19:00 01/01/2025	1.77	18.46	7.03	23.15	66.50	0.53	92.95
19	20:00 01/01/2025	1.77	18.46	6.73	23.77	0	0.53	782.69
20	23:00 01/01/2025	1.77	18.48	6.91	23.48	252.98	0.54	147.31
21	00:00 02/01/2025	1.77	18.47	6.96	23.41	467.75	0.54	20.02
22	01:00 02/01/2025	1.77	18.49	6.99	23.20	362.93	0.54	361.86
23	02:00 02/01/2025	1.77	18.49	6.95	23.31	72.06	0.54	86.92
24	03:00 02/01/2025	1.77	18.48	7	23.25	0	0.54	17.75
25	04:00 02/01/2025	1.77	18.48	6.98	23.17	0	0.54	313.53
26	05:00 02/01/2025	1.77	18.50	6.82	23.43	0	0.54	623.21
27	06:00 02/01/2025	1.77	18.48	6.89	23.25	0	0.55	21.48
28	07:00 02/01/2025	1.77	18.48	6.94	23.18	0	0.55	12.96
29	08:00 02/01/2025	1.77	18.48	6.98	23.15	0	0.55	14.06
30	09:00 02/01/2025	1.77	18.48	7.03	23.17	175.37	0.55	11.79
31	10:00 02/01/2025	1.77	18.48	7.07	23.20	352.83	0.55	8.19
32	11:00 02/01/2025	1.77	18.48	7.09	23.23	341.48	0.55	6.47
33	12:00 02/01/2025	1.77	18.48	7.11	23.26	321.73	0.55	4.87
34	13:00 02/01/2025	1.77	18.48	7.11	23.28	462.68	0.55	71.30
35	14:00 02/01/2025	1.77	18.50	6.79	23.42	462.06	0.54	567.45
36	15:00 02/01/2025	1.77	18.48	6.87	23.31	218.58	0.54	6.25
37	16:00 02/01/2025	1.77	18.49	6.93	23.27	420.23	0.54	281.45
38	17:00 02/01/2025	1.77	18.52	6.80	23.58	384.56	0.54	777.66
39	18:00 02/01/2025	1.77	18.50	6.89	23.43	451.92	0.54	18.21
40	19:00 02/01/2025	1.77	18.50	6.91	23.29	466.24	0.54	443.06

41	20:00 02/01/2025	1.77	18.48	6.82	23.43	326.77	0.54	669.28
42	21:00 02/01/2025	1.77	18.48	6.87	23.37	450.31	0.54	18.59
43	22:00 02/01/2025	1.77	18.50	6.86	23.37	463.03	0.54	829.78
44	23:00 02/01/2025	1.77	18.53	6.81	23.40	465.81	0.54	379.91
45	01:00 03/01/2025	1.77	18.50	6.91	23.16	470.50	0.55	517.80
46	02:00 03/01/2025	1.77	18.50	6.90	23.26	440.43	0.54	65.52
47	03:00 03/01/2025	1.77	18.54	6.86	23.37	469.77	0.54	681.60
48	04:00 03/01/2025	1.77	18.52	6.87	23.25	445.01	0.55	406.52
49	05:00 03/01/2025	1.77	18.51	6.87	23.22	544.36	0.55	485.97
50	06:00 03/01/2025	1.77	18.50	6.82	23.31	545.67	0.54	371.63
51	07:00 03/01/2025	1.77	18.51	6.90	23.13	473.43	0.55	369.54
52	08:00 03/01/2025	1.77	18.54	6.78	23.27	311.79	0.54	894.51
53	09:00 03/01/2025	1.77	18.53	6.84	23.17	43.26	0.55	32.54
54	10:00 03/01/2025	1.77	18.51	6.83	23.22	170.15	0.54	841.95
55	11:00 03/01/2025	1.77	18.49	6.77	23.36	516.46	0.54	330.54
56	12:00 03/01/2025	1.77	18.49	6.84	23.42	543.71	0.54	102.70
57	13:00 03/01/2025	1.77	18.52	6.88	23.41	481.67	0.54	249.74
58	14:00 03/01/2025	1.77	18.52	6.96	23.50	543.41	0.54	7.08
59	15:00 03/01/2025	1.77	18.50	6.79	23.72	543.86	0.53	697.81
60	16:00 03/01/2025	1.77	18.50	6.83	23.63	502.90	0.54	406.93
61	17:00 03/01/2025	1.77	18.50	6.82	23.67	449.83	0.54	443.35
62	18:00 03/01/2025	1.77	18.51	6.77	23.78	470.24	0.53	494.80
63	19:00 03/01/2025	1.77	18.51	6.87	23.62	469.31	0.54	371.14
64	20:00 03/01/2025	1.77	18.47	6.76	23.72	356.42	0.54	893.90
65	21:00 03/01/2025	1.77	18.48	6.83	23.64	404.50	0.54	28.19
66	22:00 03/01/2025	1.77	18.50	6.85	23.63	466.07	0.54	802.54
67	23:00 03/01/2025	1.77	18.51	6.85	23.64	383.27	0.54	315.93
68	00:00 04/01/2025	1.77	18.51	6.88	23.60	528.23	0.54	153.43
69	01:00 04/01/2025	1.77	18.50	6.84	23.60	544.33	0.54	854.49
70	02:00 04/01/2025	1.77	18.49	6.88	23.55	516.23	0.55	45.88
71	03:00 04/01/2025	1.77	18.51	6.81	23.62	543.86	0.54	707.09
72	04:00 04/01/2025	1.77	18.51	6.84	23.52	476.31	0.55	444.88
73	05:00 04/01/2025	1.77	18.50	6.82	23.52	544.51	0.55	444.62
74	06:00 04/01/2025	1.77	18.47	6.72	23.58	519.66	0.54	502.31
75	07:00 04/01/2025	1.77	18.51	6.86	23.42	459.32	0.55	376.59
76	08:00 04/01/2025	1.77	18.54	6.73	23.56	343.07	0.54	909.69
77	09:00 04/01/2025	1.77	18.53	6.81	23.45	487.64	0.55	37.04
78	10:00 04/01/2025	1.77	18.51	6.79	23.50	544.54	0.55	830.94
79	11:00 04/01/2025	1.77	18.48	6.74	23.63	454.82	0.55	349.01
80	12:00 04/01/2025	1.77	18.48	6.80	23.66	543.97	0.55	138.95
81	13:00 04/01/2025	1.77	18.54	6.76	23.79	481.70	0.55	949.22
82	14:00 04/01/2025	1.77	18.53	6.84	23.78	379.60	0.55	26.40
83	15:00 04/01/2025	1.77	18.50	6.72	23.93	195.03	0.54	702.06
84	16:00 04/01/2025	1.77	18.48	6.80	23.82	476.26	0.54	423.75
85	17:00 04/01/2025	1.77	18.47	6.83	23.84	543.60	0.54	391.53

86	18:00 04/01/2025	1.77	18.48	6.79	23.91	554.46	0.54	157.72
87	19:00 04/01/2025	1.77	18.47	6.89	23.77	544.26	0.54	358.56
88	20:00 04/01/2025	1.77	18.45	6.74	23.85	413.88	0.54	888.80
89	21:00 04/01/2025	1.77	18.45	6.82	23.73	541.13	0.54	28.70
90	22:00 04/01/2025	1.77	18.46	6.83	23.74	544.17	0.54	841.68
91	23:00 04/01/2025	1.77	18.48	6.83	23.78	441.04	0.54	426.40
92	00:00 05/01/2025	1.77	18.48	6.86	23.74	544.22	0.54	153.77
93	01:00 05/01/2025	1.77	18.46	6.80	23.73	481.40	0.54	992.04
94	02:00 05/01/2025	1.77	18.45	6.86	23.64	544.27	0.54	71.59
95	03:00 05/01/2025	1.77	18.48	6.79	23.73	541.17	0.54	716.90
96	04:00 05/01/2025	1.77	18.47	6.82	23.64	481.79	0.54	496.98
97	05:00 05/01/2025	1.77	18.47	6.80	23.63	496.62	0.54	487.53
98	06:00 05/01/2025	1.77	18.45	6.69	23.71	523.28	0.54	508.08
99	07:00 05/01/2025	1.77	18.47	6.82	23.56	544.23	0.54	377.07
100	08:00 05/01/2025	1.77	18.49	6.71	23.70	400.46	0.54	916.57
101	09:00 05/01/2025	1.77	18.48	6.78	23.60	501.69	0.54	34.15
102	10:00 05/01/2025	1.77	18.47	6.76	23.65	0	0.54	841.05
103	11:00 05/01/2025	1.77	18.46	6.70	23.77	0	0.54	397.41
104	12:00 05/01/2025	1.77	18.46	6.75	23.80	296.23	0.54	112.97
105	13:00 05/01/2025	1.77	18.47	6.73	23.89	470.21	0.54	332.75
106	14:00 05/01/2025	1.77	18.46	6.81	23.85	470.12	0.54	4.29
107	15:00 05/01/2025	1.77	18.47	6.77	23.99	469.33	0.54	309.52
108	16:00 05/01/2025	1.77	18.47	6.83	23.96	536.39	0.54	292.37
109	17:00 05/01/2025	1.77	18.48	6.81	24.02	482.50	0.55	366.23
110	18:00 05/01/2025	1.77	18.47	6.76	24.07	477.49	0.54	406.15
111	19:00 05/01/2025	1.77	18.47	6.86	23.94	337.16	0.55	399.11
112	20:00 05/01/2025	1.77	18.45	6.75	24.04	405.03	0.55	996.95
113	21:00 05/01/2025	1.77	18.45	6.81	23.96	460.02	0.55	30.98
114	22:00 05/01/2025	1.77	18.46	6.83	23.93	363.19	0.55	708.52
115	23:00 05/01/2025	1.77	18.47	6.83	23.95	99.33	0.55	257.40
116	00:00 06/01/2025	1.77	18.47	6.88	23.86	440.38	0.55	128.37
117	01:00 06/01/2025	1.77	18.46	6.85	23.88	468.97	0.55	764.48
118	02:00 06/01/2025	1.77	18.45	6.87	23.82	468.18	0.55	145.92
119	03:00 06/01/2025	1.77	18.47	6.86	23.84	465.73	0.55	499.80
120	04:00 06/01/2025	1.77	18.46	6.87	23.71	467.93	0.55	354.11
121	05:00 06/01/2025	1.77	18.47	6.86	23.68	408.76	0.55	444.82
122	06:00 06/01/2025	1.77	18.45	6.83	23.70	441.57	0.55	393.03
123	07:00 06/01/2025	1.77	18.46	6.87	23.61	379.35	0.55	380.13
124	08:00 06/01/2025	1.77	18.47	6.82	23.64	291.99	0.55	802.85
125	09:00 06/01/2025	1.77	18.46	6.86	23.57	48.42	0.55	29.65
126	10:00 06/01/2025	1.77	18.46	6.85	23.58	0	0.55	735.59
127	11:00 06/01/2025	1.77	18.45	6.81	23.67	199.69	0.55	204.12
128	12:00 06/01/2025	1.77	18.44	6.87	23.72	463.62	0.55	80.27
129	13:00 06/01/2025	1.77	18.45	6.79	23.70	471.98	0.55	22.02
130	14:00 06/01/2025	1.77	18.45	6.87	23.80	457.22	0.55	1.02

131	15:00 06/01/2025	1.77	18.45	6.81	23.93	473.40	0.54	570.97
132	16:00 06/01/2025	1.77	18.45	6.83	23.83	475.58	0.54	328.33
133	17:00 06/01/2025	1.77	18.45	6.81	23.90	433.80	0.54	423.19
134	18:00 06/01/2025	1.77	18.46	6.81	23.93	450.61	0.54	401.03
135	19:00 06/01/2025	1.77	18.46	6.86	23.83	477.31	0.54	369.68
136	20:00 06/01/2025	1.77	18.45	6.78	23.90	531.92	0.54	818.62
137	21:00 06/01/2025	1.77	18.45	6.83	23.82	539.47	0.54	27.29
138	22:00 06/01/2025	1.77	18.46	6.82	23.78	453.95	0.54	775
139	23:00 06/01/2025	1.77	18.47	6.78	23.78	409.20	0.54	386.21
140	00:00 07/01/2025	1.77	18.47	6.83	23.75	539.35	0.54	131.80
141	01:00 07/01/2025	1.77	18.47	6.77	23.75	508.42	0.54	1,002.08
142	02:00 07/01/2025	1.77	18.47	6.82	23.68	538.99	0.55	65.76
143	03:00 07/01/2025	1.77	18.50	6.76	23.72	539.17	0.54	706.60
144	04:00 07/01/2025	1.77	18.50	6.76	23.62	478.40	0.55	505.08
145	05:00 07/01/2025	1.77	18.50	6.76	23.60	539.17	0.54	462.46
146	06:00 07/01/2025	1.77	18.49	6.71	23.65	477.83	0.54	519.04
147	07:00 07/01/2025	1.77	18.50	6.78	23.52	539.34	0.55	384.53
148	08:00 07/01/2025	1.77	18.53	6.70	23.64	406.23	0.54	937.10
149	09:00 07/01/2025	1.77	18.51	6.75	23.55	368.99	0.54	42.23
150	10:00 07/01/2025	1.77	18.51	6.75	23.59	473.27	0.54	827.76
151	11:00 07/01/2025	1.77	18.50	6.72	23.68	469.02	0.54	431.94
152	12:00 07/01/2025	1.77	18.49	6.76	23.69	468.22	0.54	111.41
153	13:00 07/01/2025	1.77	18.52	6.72	23.76	445.51	0.54	860.07
154	14:00 07/01/2025	1.77	18.52	6.79	23.78	437.23	0.55	12.59
155	15:00 07/01/2025	1.77	18.50	6.75	23.91	539.55	0.54	649.53
156	16:00 07/01/2025	1.77	18.51	6.74	23.82	508.13	0.55	361.86
157	17:00 07/01/2025	1.77	18.52	6.74	23.84	538.92	0.55	456.43
158	18:00 07/01/2025	1.77	18.52	6.72	23.94	477.50	0.54	489.98
159	19:00 07/01/2025	1.77	18.52	6.79	23.78	539.08	0.54	360.59
160	20:00 07/01/2025	1.77	18.51	6.73	23.90	505.48	0.53	894.94
161	21:00 07/01/2025	1.77	18.52	6.78	23.81	454.23	0.53	33.91
162	22:00 07/01/2025	1.77	18.52	6.77	23.81	470.69	0.53	809.20
163	23:00 07/01/2025	1.77	18.52	6.74	23.85	508.66	0.53	438.81
164	00:00 08/01/2025	1.77	18.52	6.78	23.84	539.13	0.53	120.45
165	01:00 08/01/2025	1.77	18.50	6.77	23.86	508.32	0.53	1,011.45
166	02:00 08/01/2025	1.77	18.50	6.81	23.79	496.87	0.53	50.94
167	03:00 08/01/2025	1.77	18.52	6.75	23.88	539.18	0.53	695.33
168	04:00 08/01/2025	1.77	18.52	6.74	23.80	508.82	0.53	518.88
169	05:00 08/01/2025	1.77	18.52	6.73	23.79	539.42	0.53	487.19
170	06:00 08/01/2025	1.77	18.51	6.70	23.89	452.15	0.53	518.95
171	07:00 08/01/2025	1.77	18.51	6.77	23.70	459.18	0.54	369.76
172	08:00 08/01/2025	1.78	18.55	6.68	23.87	275.80	0.53	901.53
173	09:00 08/01/2025	1.77	18.54	6.74	23.77	328.01	0.54	39.73
174	10:00 08/01/2025	1.77	18.53	6.74	23.78	539.18	0.54	773.60
175	11:00 08/01/2025	1.77	18.53	6.72	23.86	562.94	0.54	297.57

176	12:00 08/01/2025	1.77	18.53	6.78	23.90	556.36	0.54	95.84
177	13:00 08/01/2025	1.78	18.56	6.71	24.02	440	0.54	862.28
178	14:00 08/01/2025	1.77	18.54	6.78	23.98	368.95	0.54	14.76
179	15:00 08/01/2025	1.77	18.54	6.74	24.12	467.55	0.53	700.72
180	16:00 08/01/2025	1.77	18.53	6.75	24.01	508.77	0.54	450.40
181	17:00 08/01/2025	1.77	18.54	6.75	24.01	539.14	0.53	419.93
182	18:00 08/01/2025	1.78	18.56	6.69	24.15	478.56	0.53	543.20
183	19:00 08/01/2025	1.77	18.54	6.80	23.93	538.98	0.54	299.02
184	20:00 08/01/2025	1.77	18.53	6.70	24.09	478.39	0.53	840.40
185	21:00 08/01/2025	1.77	18.52	6.75	24	538.95	0.54	30.82
186	22:00 08/01/2025	1.78	18.54	6.76	23.98	479.73	0.54	802.39
187	23:00 08/01/2025	1.77	18.54	6.72	24.03	481.13	0.54	448.90
188	00:00 09/01/2025	1.77	18.54	6.76	23.99	538.98	0.54	103.06
189	01:00 09/01/2025	1.78	18.53	6.73	24.03	508.21	0.54	995.03
190	02:00 09/01/2025	1.77	18.53	6.77	23.92	497.16	0.54	145.65
191	03:00 09/01/2025	1.78	18.55	6.71	24.06	539.21	0.54	682.46
192	04:00 09/01/2025	1.77	18.55	6.72	23.96	508.82	0.54	519.02
193	05:00 09/01/2025	1.77	18.55	6.72	23.94	539.33	0.54	484.44
194	06:00 09/01/2025	1.77	18.53	6.68	24.06	508.68	0.54	524.30
195	07:00 09/01/2025	1.77	18.54	6.75	23.88	428.14	0.54	367.71
196	08:00 09/01/2025	1.78	18.55	6.66	24.03	269.79	0.54	909.81
197	09:00 09/01/2025	1.77	18.54	6.71	23.90	290.88	0.54	40.93
198	10:00 09/01/2025	1.77	18.54	6.72	23.89	169.17	0.54	775.86
199	11:00 09/01/2025	1.77	18.51	6.69	23.98	170.25	0.54	309.98
200	12:00 09/01/2025	1.77	18.51	6.75	23.99	370.98	0.54	79.32
201	13:00 09/01/2025	1.77	18.51	6.68	24.07	446.50	0.54	403.46
202	14:00 09/01/2025	1.77	18.51	6.75	24.06	470.65	0.54	9.78
203	15:00 09/01/2025	1.77	18.50	6.73	24.13	474.50	0.54	364.58
204	16:00 09/01/2025	1.77	18.51	6.73	23.96	516.01	0.53	351.73
205	17:00 09/01/2025	1.77	18.50	6.72	23.98	554.87	0.53	448.75
206	18:00 09/01/2025	1.77	18.50	6.68	24.10	541.86	0.53	433.81
207	19:00 09/01/2025	1.77	18.52	6.74	23.89	605.33	0.53	389.29
208	20:00 09/01/2025	1.77	18.50	6.70	23.97	445.72	0.53	962.49
209	21:00 09/01/2025	1.77	18.50	6.73	23.83	604.49	0.54	32.30
210	22:00 09/01/2025	1.78	18.51	6.72	23.78	604.33	0.53	840.18
211	23:00 09/01/2025	1.77	18.51	6.68	23.78	494.90	0.53	496.98
212	00:00 10/01/2025	1.77	18.51	6.72	23.72	603.92	0.54	98.05
213	01:00 10/01/2025	1.78	18.52	6.68	23.65	542.20	0.53	1,099.76
214	02:00 10/01/2025	1.77	18.52	6.72	23.54	565.18	0.54	223.21
215	03:00 10/01/2025	1.78	18.52	6.67	23.57	604.11	0.53	677.86
216	04:00 10/01/2025	1.78	18.52	6.67	23.47	542.20	0.54	560.55
217	05:00 10/01/2025	1.77	18.52	6.67	23.41	489.32	0.54	537.85
218	06:00 10/01/2025	1.78	18.52	6.64	23.41	539.61	0.53	539.50
219	07:00 10/01/2025	1.78	18.54	6.69	23.28	403.52	0.53	413.13
220	08:00 10/01/2025	1.78	18.53	6.63	23.33	269.95	0.53	1,023.46

221	09:00 10/01/2025	1.78	18.53	6.67	23.24	350.80	0.53	42.63
222	10:00 10/01/2025	1.78	18.52	6.68	23.20	462.28	0.53	793.82
223	11:00 10/01/2025	1.77	18.52	6.66	23.23	421.67	0.53	359.16
224	12:00 10/01/2025	1.77	18.51	6.71	23.26	465.02	0.53	85.25
225	13:00 10/01/2025	1.78	18.52	6.65	23.25	464.52	0.53	833.54
226	14:00 10/01/2025	1.78	18.52	6.69	23.22	437.46	0.53	22.87
227	15:00 10/01/2025	1.78	18.50	6.65	23.29	467.98	0.53	640.85
228	16:00 10/01/2025	1.78	18.52	6.66	23.19	444.58	0.53	370.56
229	17:00 10/01/2025	1.77	18.52	6.67	23.19	443.26	0.53	415.37
230	18:00 10/01/2025	1.78	18.50	6.65	23.28	447.17	0.52	420.68
231	19:00 10/01/2025	1.78	18.52	6.71	23.11	470.45	0.53	367.11
232	20:00 10/01/2025	1.78	18.51	6.67	23.22	402.29	0.52	797.55
233	21:00 10/01/2025	1.78	18.51	6.71	23.13	539.62	0.52	24.41
234	22:00 10/01/2025	1.78	18.52	6.71	23.11	420.12	0.52	753.21
235	23:00 10/01/2025	1.78	18.51	6.69	23.16	400.35	0.52	343.30
236	00:00 11/01/2025	1.78	18.51	6.73	23.12	467.18	0.52	96.73
237	01:00 11/01/2025	1.78	18.51	6.70	23.15	469.27	0.52	987.42
238	02:00 11/01/2025	1.78	18.51	6.75	23.04	411.38	0.52	38.21
239	03:00 11/01/2025	1.78	18.51	6.70	23.12	471.43	0.52	620.37
240	04:00 11/01/2025	1.78	18.52	6.68	22.99	449.37	0.52	432.62
241	05:00 11/01/2025	1.78	18.52	6.67	22.94	476.65	0.52	461.75
242	06:00 11/01/2025	1.78	18.49	6.64	23.06	483.33	0.52	423.85
243	07:00 11/01/2025	1.78	18.52	6.68	22.82	539.39	0.52	362.64
244	08:00 11/01/2025	1.78	18.51	6.62	22.97	307.64	0.52	797.61
245	09:00 11/01/2025	1.78	18.51	6.67	22.81	497.73	0.52	29.95
246	10:00 11/01/2025	1.78	18.52	6.67	22.81	539.20	0.52	809.19
247	11:00 11/01/2025	1.78	18.51	6.62	22.91	421.57	0.52	434.71
248	12:00 11/01/2025	1.77	18.51	6.67	22.86	539.85	0.52	88.69
249	13:00 11/01/2025	1.78	18.52	6.63	22.91	512.94	0.52	989.83
250	14:00 11/01/2025	1.78	18.52	6.70	22.84	468.92	0.52	32.73
251	15:00 11/01/2025	1.78	18.51	6.65	23.05	539.08	0.52	641.34
252	16:00 11/01/2025	1.78	18.52	6.67	22.91	508.43	0.52	447.02
253	17:00 11/01/2025	1.78	18.52	6.68	22.91	485.13	0.52	381.03
254	18:00 11/01/2025	1.78	18.51	6.62	23.10	508.33	0.51	546.65
255	19:00 11/01/2025	1.78	18.53	6.73	22.81	506.07	0.52	350.08
256	20:00 11/01/2025	1.78	18.51	6.64	22.98	365.01	0.51	887.51
257	21:00 11/01/2025	1.78	18.51	6.70	22.81	170.12	0.51	34.54
258	22:00 11/01/2025	1.78	18.52	6.70	22.78	318.02	0.51	753.41
259	23:00 11/01/2025	1.78	18.51	6.66	22.84	451.94	0.51	351.83
260	00:00 12/01/2025	1.78	18.51	6.70	22.74	539.83	0.51	82.86
261	01:00 12/01/2025	1.78	18.52	6.70	22.67	513.99	0.51	567.59
262	02:00 12/01/2025	1.78	18.52	6.73	22.59	539.98	0.51	144.43
263	03:00 12/01/2025	1.78	18.53	6.65	22.71	539.69	0.51	652.01
264	04:00 12/01/2025	1.78	18.53	6.67	22.59	508.91	0.51	516.61
265	05:00 12/01/2025	1.78	18.52	6.67	22.55	539.30	0.51	418.33

266	06:00 12/01/2025	1.78	18.51	6.61	22.65	508.75	0.51	553.41
267	07:00 12/01/2025	1.78	18.55	6.71	22.47	468.13	0.51	375.86
268	08:00 12/01/2025	1.78	18.53	6.61	22.64	307.72	0.51	944.64
269	09:00 12/01/2025	1.78	18.54	6.66	22.51	313.05	0.52	48.49
270	10:00 12/01/2025	1.78	18.53	6.67	22.52	469.98	0.51	784.07
271	11:00 12/01/2025	1.77	18.50	6.63	22.68	445.83	0.51	391.92
272	12:00 12/01/2025	1.77	18.50	6.70	22.69	471.55	0.52	73.58
273	13:00 12/01/2025	1.78	18.52	6.65	22.89	468.77	0.51	770.42
274	14:00 12/01/2025	1.78	18.52	6.71	22.90	471.48	0.52	6.18
275	15:00 12/01/2025	1.78	18.50	6.67	23.07	469.81	0.51	591.51
276	16:00 12/01/2025	1.78	18.51	6.71	22.93	448.34	0.51	356.56
277	17:00 12/01/2025	1.78	18.50	6.72	22.95	470.66	0.51	391.63
278	18:00 12/01/2025	1.78	18.49	6.68	23.07	392.98	0.51	430.74
279	19:00 12/01/2025	1.78	18.52	6.75	22.86	333.44	0.51	367.54
280	20:00 12/01/2025	1.78	18.49	6.71	22.98	440.64	0.51	805.96
281	21:00 12/01/2025	1.78	18.50	6.74	22.86	465.78	0.51	24.70
282	22:00 12/01/2025	1.78	18.50	6.77	22.80	462.64	0.51	708.11
283	23:00 12/01/2025	1.78	18.49	6.77	22.84	327.78	0.51	276.70
284	00:00 13/01/2025	1.78	18.49	6.81	22.74	470.02	0.51	90.57
285	01:00 13/01/2025	1.78	18.50	6.72	22.76	458.92	0.51	933.06
286	02:00 13/01/2025	1.78	18.50	6.73	22.67	228.31	0.51	150.95
287	03:00 13/01/2025	1.78	18.49	6.74	22.70	0	0.51	608.20
288	04:00 13/01/2025	1.78	18.50	6.77	22.56	70.95	0.51	393.04
289	05:00 13/01/2025	1.78	18.50	6.78	22.51	107.66	0.51	301.67
290	06:00 13/01/2025	1.78	18.48	6.80	22.49	276.91	0.51	51.18
291	07:00 13/01/2025	1.78	18.47	6.87	22.37	296.08	0.51	21.36
292	08:00 13/01/2025	1.78	18.48	6.92	22.35	268.72	0.51	199.52
293	09:00 13/01/2025	1.78	18.47	6.96	22.21	24.57	0.51	16.99
294	10:00 13/01/2025	1.78	18.48	6.93	22.26	0	0.51	477.18
295	11:00 13/01/2025	1.78	18.47	6.87	22.35	217.97	0.51	226.49
296	12:00 13/01/2025	1.78	18.47	6.94	22.32	474.78	0.51	5.74
297	13:00 13/01/2025	1.77	18.47	6.99	22.40	450.72	0.51	1.68
298	14:00 13/01/2025	1.77	18.47	7.02	22.44	404.85	0.51	1.27
299	15:00 13/01/2025	1.77	18.48	6.90	22.60	475.79	0.51	483.54
300	16:00 13/01/2025	1.77	18.49	6.87	22.54	477.23	0.51	328.77
301	17:00 13/01/2025	1.77	18.48	6.87	22.64	476.93	0.51	382.69
302	18:00 13/01/2025	1.77	18.47	6.86	22.66	452.50	0.51	480.27
303	19:00 13/01/2025	1.77	18.51	6.91	22.52	479.29	0.51	378.63
304	20:00 13/01/2025	1.77	18.48	6.81	22.59	406.68	0.51	843.94
305	21:00 13/01/2025	1.77	18.49	6.86	22.50	539.23	0.51	25.16
306	22:00 13/01/2025	1.77	18.49	6.87	22.44	539.45	0.51	766.45
307	23:00 13/01/2025	1.77	18.48	6.85	22.42	508.51	0.51	422.54
308	00:00 14/01/2025	1.77	18.48	6.90	22.39	539.86	0.51	91.75
309	01:00 14/01/2025	1.77	18.51	6.78	22.37	508.58	0.51	1,065.96
310	02:00 14/01/2025	1.77	18.51	6.83	22.27	482.70	0.51	106.21

311	03:00 14/01/2025	1.77	18.50	6.80	22.33	539.87	0.51	648.62
312	04:00 14/01/2025	1.77	18.51	6.86	22.18	513.27	0.51	539.96
313	05:00 14/01/2025	1.77	18.51	6.86	22.15	468.45	0.51	430.55
314	06:00 14/01/2025	1.77	18.49	6.74	22.28	513.94	0.51	565.62
315	07:00 14/01/2025	1.77	18.55	6.91	22.04	539.64	0.51	359.57
316	08:00 14/01/2025	1.77	18.51	6.79	22.19	411.23	0.51	894.11
317	09:00 14/01/2025	1.77	18.52	6.85	22.04	539.48	0.51	47.49
318	10:00 14/01/2025	1.77	18.52	6.85	22.07	536.23	0.51	791.89
319	11:00 14/01/2025	1.77	18.50	6.78	22.25	378.11	0.51	431.35
320	12:00 14/01/2025	1.77	18.50	6.88	22.28	416.46	0.51	71.54
321	13:00 14/01/2025	1.77	18.52	6.85	22.47	175.28	0.51	1,011.06
322	14:00 14/01/2025	1.77	18.55	6.98	22.44	210.35	0.51	56.91
323	15:00 14/01/2025	1.77	18.51	6.86	22.66	540.67	0.51	453.69
324	16:00 14/01/2025	1.77	18.52	6.88	22.55	564.53	0.51	299.82
325	17:00 14/01/2025	1.77	18.52	6.88	22.60	559.66	0.51	292.19
326	18:00 14/01/2025	1.77	18.49	6.81	22.73	533.05	0.51	324.24
327	19:00 14/01/2025	1.78	18.57	7.08	22.52	568.62	0.51	343.95
328	20:00 14/01/2025	1.77	18.50	6.83	22.69	355.15	0.51	874.51
329	21:00 14/01/2025	1.77	18.54	6.97	22.56	548.88	0.51	37.74
330	22:00 14/01/2025	1.77	18.53	6.92	22.55	549.20	0.51	800.71
331	23:00 14/01/2025	1.77	18.51	6.83	22.63	492.12	0.51	519.55
332	00:00 15/01/2025	1.77	18.52	6.88	22.57	554.23	0.51	85.17
333	01:00 15/01/2025	1.77	18.55	6.90	22.63	487.65	0.51	1,058.33
334	02:00 15/01/2025	1.77	18.58	7.07	22.50	549.17	0.51	88.79
335	03:00 15/01/2025	1.77	18.53	6.87	22.65	549.27	0.51	649.34
336	04:00 15/01/2025	1.77	18.54	6.83	22.57	529.27	0.51	558.05
337	05:00 15/01/2025	1.77	18.54	6.83	22.55	549.48	0.51	440.59
338	06:00 15/01/2025	1.77	18.51	6.73	22.72	518.73	0.51	575.74
339	07:00 15/01/2025	1.78	18.59	7.05	22.50	549.71	0.51	380.52
340	08:00 15/01/2025	1.77	18.54	6.84	22.69	500.18	0.51	939.96
341	09:00 15/01/2025	1.77	18.56	6.95	22.60	465.88	0.51	49.16
342	10:00 15/01/2025	1.77	18.55	6.88	22.63	472.10	0.51	806.38
343	11:00 15/01/2025	1.77	18.52	6.76	22.78	358.19	0.51	487.15
344	12:00 15/01/2025	1.77	18.53	6.83	22.84	521.59	0.51	66.02
345	13:00 15/01/2025	1.77	18.56	6.91	22.94	518.31	0.51	914.19
346	14:00 15/01/2025	1.77	18.58	7.04	22.91	488.61	0.51	158.28
347	15:00 15/01/2025	1.77	18.52	6.83	23.10	537.16	0.51	631.92
348	16:00 15/01/2025	1.77	18.54	6.82	23.03	414.42	0.51	414.01
349	17:00 15/01/2025	1.77	18.52	6.82	23.04	416.58	0.51	359.67
350	18:00 15/01/2025	1.77	18.49	6.77	23.15	175.39	0.51	574.50
351	19:00 15/01/2025	1.77	18.50	6.83	23.07	265.82	0.51	17.46
352	20:00 15/01/2025	1.77	18.49	6.80	23.11	482.07	0.51	591.67
353	21:00 15/01/2025	1.77	18.49	6.84	23.04	377.38	0.51	23.02
354	22:00 15/01/2025	1.77	18.54	6.95	22.97	389.38	0.51	856.31
355	23:00 15/01/2025	1.77	18.53	6.94	22.99	560.27	0.51	322.93



356	00:00 16/01/2025	1.77	18.52	6.97	22.98	545.02	0.51	79.29
357	01:00 16/01/2025	1.77	18.51	6.85	22.94	549.34	0.51	977.49
358	02:00 16/01/2025	1.77	18.52	6.90	22.87	570.67	0.51	28.17
359	03:00 16/01/2025	1.77	18.50	6.85	22.95	535.27	0.51	643.48
360	04:00 16/01/2025	1.77	18.55	6.92	22.82	514.98	0.51	585.02
361	05:00 16/01/2025	1.77	18.52	6.89	22.84	612.74	0.51	289.70
362	06:00 16/01/2025	1.77	18.49	6.80	22.91	448.28	0.51	585.29
363	07:00 16/01/2025	1.77	18.55	6.87	22.71	558.99	0.51	466.63
364	08:00 16/01/2025	1.77	18.51	6.79	22.86	495.18	0.51	900.75
365	09:00 16/01/2025	1.77	18.52	6.83	22.76	559.17	0.51	55.39
366	10:00 16/01/2025	1.77	18.54	6.84	22.77	559.17	0.51	888.82
367	11:00 16/01/2025	1.77	18.51	6.77	22.94	512.90	0.51	413.54
368	12:00 16/01/2025	1.77	18.51	6.83	22.96	559.14	0.51	62.17
369	13:00 16/01/2025	1.77	18.52	6.78	23.08	307.39	0.51	1,107.46
370	14:00 16/01/2025	1.77	18.52	6.83	23.11	511	0.51	23.55
371	15:00 16/01/2025	1.77	18.50	6.77	23.25	448.32	0.51	631.30
372	16:00 16/01/2025	1.77	18.56	6.84	23.17	481.48	0.51	475.96
373	17:00 16/01/2025	1.77	18.53	6.81	23.24	559.20	0.51	247.76
374	18:00 16/01/2025	1.77	18.49	6.75	23.29	516.14	0.51	576.95
375	19:00 16/01/2025	1.77	18.55	6.86	23.06	511.13	0.51	472.15
376	20:00 16/01/2025	1.77	18.49	6.75	23.23	528.55	0.51	811.12
377	21:00 16/01/2025	1.77	18.50	6.80	23.15	527.45	0.51	41.05
378	22:00 16/01/2025	1.77	18.54	6.85	23.08	466.85	0.51	902.74
379	23:00 16/01/2025	1.77	18.50	6.80	23.13	79.19	0.51	406.54
380	00:00 17/01/2025	1.77	18.51	6.86	23.05	353.63	0.51	76.16
381	01:00 17/01/2025	1.77	18.52	6.83	23.02	577.90	0.51	1,063.86
382	02:00 17/01/2025	1.77	18.52	6.85	22.98	612.03	0.51	47.88
383	03:00 17/01/2025	1.77	18.50	6.83	23.02	607.52	0.51	593.84
384	04:00 17/01/2025	1.77	18.55	6.91	22.83	457.59	0.51	340.82
385	05:00 17/01/2025	1.77	18.52	6.87	22.89	419.49	0.51	273.92
386	06:00 17/01/2025	1.77	18.50	6.75	22.95	361.24	0.51	593.52
387	07:00 17/01/2025	1.77	18.56	6.83	22.77	569.58	0.51	568.86
388	08:00 17/01/2025	1.77	18.51	6.73	22.89	512.43	0.51	816.97
389	09:00 17/01/2025	1.77	18.52	6.78	22.81	347.43	0.51	64.26
390	10:00 17/01/2025	1.77	18.53	6.84	22.76	170.27	0.51	719.82
391	11:00 17/01/2025	1.77	18.51	6.76	22.91	447.27	0.51	356.90
392	12:00 17/01/2025	1.77	18.52	6.85	22.89	525.08	0.52	44.66
393	13:00 17/01/2025	1.77	18.55	6.83	22.98	307.78	0.51	653
394	14:00 17/01/2025	1.77	18.53	6.88	23.08	368.94	0.51	21.78
395	15:00 17/01/2025	1.77	18.51	6.80	23.21	369.26	0.51	628.53
396	16:00 17/01/2025	1.77	18.54	6.88	23.11	483.81	0.51	456.70
397	17:00 17/01/2025	1.77	18.52	6.83	23.17	618.17	0.51	246.05
398	18:00 17/01/2025	1.77	18.50	6.77	23.22	535.86	0.51	585.31
399	19:00 17/01/2025	1.76	18.51	6.84	23.04	556.12	0.51	24.40
400	20:00 17/01/2025	1.77	18.51	6.74	23.14	566.55	0.51	809.17

401	21:00 17/01/2025	1.77	18.52	6.79	23	390.47	0.51	40.93
402	22:00 17/01/2025	1.77	18.55	6.82	22.97	619.87	0.51	993.71
403	23:00 17/01/2025	1.77	18.52	6.77	23.06	586.96	0.51	419.54
404	00:00 18/01/2025	1.77	18.53	6.84	22.96	614.91	0.51	74.56
405	01:00 18/01/2025	1.77	18.55	6.76	22.96	427.69	0.51	1,254.90
406	02:00 18/01/2025	1.77	18.54	6.81	22.88	472.30	0.51	55.63
407	03:00 18/01/2025	1.77	18.53	6.76	22.94	369.51	0.51	641.65
408	04:00 18/01/2025	1.77	18.57	6.83	22.85	495.70	0.51	767.08
409	05:00 18/01/2025	1.77	18.55	6.78	22.86	619.11	0.51	309.18
410	06:00 18/01/2025	1.77	18.52	6.68	22.90	376.62	0.51	592.82
411	07:00 18/01/2025	1.77	18.56	6.82	22.66	513.14	0.51	302.01
412	08:00 18/01/2025	1.77	18.53	6.68	22.85	464.69	0.51	787.38
413	09:00 18/01/2025	1.77	18.53	6.71	22.77	149.37	0.51	67.39
414	10:00 18/01/2025	1.77	18.57	6.78	22.74	256.61	0.51	929.25
415	11:00 18/01/2025	1.77	18.53	6.72	22.81	434.05	0.51	278.85
416	12:00 18/01/2025	1.77	18.54	6.80	22.76	473.51	0.51	42.12
417	13:00 18/01/2025	1.77	18.56	6.79	22.66	405.93	0.51	606.91
418	14:00 18/01/2025	1.77	18.54	6.83	22.70	533.89	0.51	29.92
419	15:00 18/01/2025	1.77	18.54	6.77	22.78	539.20	0.51	619.40
420	16:00 18/01/2025	1.77	18.58	6.81	22.73	494.35	0.51	513.53
421	17:00 18/01/2025	1.77	18.54	6.78	22.76	535.07	0.51	258.74
422	18:00 18/01/2025	1.77	18.52	6.75	22.76	497.77	0.51	582.52
423	19:00 18/01/2025	1.77	18.58	6.82	22.63	543.85	0.51	481.16
424	20:00 18/01/2025	1.77	18.53	6.73	22.75	528.85	0.51	819.04
425	21:00 18/01/2025	1.77	18.53	6.77	22.66	544.78	0.51	43.14
426	22:00 18/01/2025	1.77	18.57	6.80	22.66	543.58	0.51	905.61
427	23:00 18/01/2025	1.77	18.54	6.76	22.71	528.72	0.51	413.25
428	00:00 19/01/2025	1.77	18.55	6.82	22.63	559.42	0.51	55.84
429	01:00 19/01/2025	1.77	18.56	6.76	22.68	513.10	0.51	1,247.58
430	02:00 19/01/2025	1.77	18.56	6.80	22.64	559.94	0.51	41.65
431	03:00 19/01/2025	1.77	18.53	6.76	22.68	560.02	0.51	640.12
432	04:00 19/01/2025	1.77	18.59	6.82	22.61	512.55	0.51	722.09
433	05:00 19/01/2025	1.77	18.56	6.79	22.62	512.17	0.51	281.14
434	06:00 19/01/2025	1.77	18.51	6.69	22.67	482.74	0.51	597.94
435	07:00 19/01/2025	1.77	18.59	6.83	22.54	248.94	0.51	522.77
436	08:00 19/01/2025	1.77	18.53	6.71	22.66	0	0.51	806.08
437	09:00 19/01/2025	1.77	18.54	6.75	22.59	0	0.51	68.09
438	10:00 19/01/2025	1.77	18.57	6.83	22.56	451.46	0.51	679.29
439	11:00 19/01/2025	1.77	18.54	6.86	22.61	338.20	0.51	26.91
440	12:00 19/01/2025	1.77	18.54	6.90	22.64	495.63	0.51	32
441	13:00 19/01/2025	1.77	18.52	6.82	22.70	512.83	0.51	357.02
442	14:00 19/01/2025	1.77	18.53	6.89	22.66	79.05	0.51	7.86
443	15:00 19/01/2025	1.77	18.52	6.82	22.84	157.39	0.51	626.79
444	16:00 19/01/2025	1.77	18.58	6.86	22.86	511.89	0.51	428.42
445	17:00 19/01/2025	1.77	18.54	6.84	22.89	558.74	0.51	132.95

446	18:00 19/01/2025	1.77	18.52	6.85	22.91	498.04	0.51	25.09
447	19:00 19/01/2025	1.77	18.58	6.92	22.76	441.68	0.51	478.17
448	20:00 19/01/2025	1.77	18.51	6.80	22.93	296.65	0.51	820.34
449	21:00 19/01/2025	1.77	18.52	6.84	22.86	158.29	0.51	46.25
450	22:00 19/01/2025	1.77	18.58	6.94	22.80	15.90	0.51	815.19
451	23:00 19/01/2025	1.77	18.55	6.91	22.85	497.62	0.51	310.44
452	00:00 20/01/2025	1.77	18.56	6.96	22.80	559.74	0.51	35.95
453	01:00 20/01/2025	1.77	18.57	6.96	22.67	449.36	0.51	348.06
454	02:00 20/01/2025	1.77	18.55	6.96	22.70	559.67	0.51	21.61
455	03:00 20/01/2025	1.77	18.54	6.88	22.78	558.91	0.51	627.64
456	04:00 20/01/2025	1.77	18.57	6.93	22.71	513.12	0.51	671.86
457	05:00 20/01/2025	1.77	18.55	6.89	22.74	543.43	0.51	272.80
458	06:00 20/01/2025	1.77	18.50	6.79	22.78	407.93	0.51	602.20
459	07:00 20/01/2025	1.77	18.56	6.91	22.59	297.41	0.51	521.04
460	08:00 20/01/2025	1.77	18.51	6.79	22.79	412.54	0.51	803.82
461	09:00 20/01/2025	1.77	18.52	6.83	22.72	296.67	0.51	74.63
462	10:00 20/01/2025	1.77	18.54	6.86	22.70	372.97	0.51	683.54
463	11:00 20/01/2025	1.77	18.52	6.83	22.79	427.94	0.51	272.59
464	12:00 20/01/2025	1.77	18.52	6.89	22.79	477.91	0.51	27.70
465	13:00 20/01/2025	1.77	18.50	6.79	23	357.92	0.51	640.93
466	14:00 20/01/2025	1.77	18.53	6.90	22.87	452.75	0.51	6.52
467	15:00 20/01/2025	1.77	18.51	6.83	23.08	505.13	0.51	574.50
468	16:00 20/01/2025	1.77	18.54	6.92	23.05	382.87	0.51	448.24
469	17:00 20/01/2025	1.77	18.51	6.87	23.13	509.82	0.51	220.95
470	18:00 20/01/2025	1.77	18.50	6.80	23.24	482.12	0.51	470.42
471	19:00 20/01/2025	1.77	18.55	6.93	22.99	512.45	0.51	543.03
472	20:00 20/01/2025	1.77	18.52	6.81	23.16	505.55	0.51	706.39
473	21:00 20/01/2025	1.77	18.52	6.86	23.09	569.61	0.51	26.76
474	22:00 20/01/2025	1.77	18.55	6.88	23.05	552.92	0.51	913.73
475	23:00 20/01/2025	1.77	18.53	6.83	23.11	406.43	0.51	399.77
476	00:00 21/01/2025	1.77	18.54	6.89	23.04	571.99	0.51	34.46
477	01:00 21/01/2025	1.77	18.55	6.83	23	549.52	0.51	1,279.17
478	02:00 21/01/2025	1.77	18.55	6.87	22.94	598.65	0.51	55.33
479	03:00 21/01/2025	1.77	18.54	6.82	22.98	580.52	0.51	622.85
480	04:00 21/01/2025	1.77	18.59	6.88	22.87	338.50	0.51	661.66
481	05:00 21/01/2025	1.77	18.58	6.85	22.88	527.92	0.51	265.25
482	06:00 21/01/2025	1.77	18.54	6.75	22.92	589.22	0.51	608.95
483	07:00 21/01/2025	1.77	18.61	6.88	22.76	568.81	0.51	457.69
484	08:00 21/01/2025	1.77	18.56	6.74	22.90	539.72	0.51	796.29
485	09:00 21/01/2025	1.77	18.57	6.77	22.85	430.97	0.51	83.39
486	10:00 21/01/2025	1.62	17.05	6.24	20.98	498.07	0.47	890.16
487	11:00 21/01/2025	1.77	18.55	6.72	23.03	548.99	0.51	427.69
488	12:00 21/01/2025	1.77	18.56	6.79	23.07	579.67	0.51	12.67
489	13:00 21/01/2025	1.77	18.57	6.74	23.20	499.12	0.51	1,118.52
490	14:00 21/01/2025	1.77	18.58	6.80	23.27	578.62	0.51	12.14

491	15:00 21/01/2025	1.77	18.55	6.73	23.39	578.32	0.51	602.54
492	16:00 21/01/2025	1.77	18.61	6.82	23.34	500.18	0.51	673.46
493	17:00 21/01/2025	1.77	18.58	6.78	23.37	561.67	0.51	268.92
494	18:00 21/01/2025	1.77	18.54	6.69	23.45	515.85	0.51	623.48
495	19:00 21/01/2025	1.77	18.63	6.84	23.26	578.84	0.51	504.42
496	20:00 21/01/2025	1.77	18.55	6.72	23.35	480.80	0.51	849.65
497	21:00 21/01/2025	1.77	18.56	6.77	23.28	447.71	0.51	51.69
498	22:00 21/01/2025	1.77	18.61	6.83	23.25	479.46	0.51	920.23
499	23:00 21/01/2025	1.77	18.57	6.77	23.27	523.68	0.51	451.86
500	00:00 22/01/2025	1.77	18.59	6.83	23.21	445.73	0.51	21.07
501	01:00 22/01/2025	1.77	18.58	6.76	23.21	316.10	0.51	1,100.22
502	02:00 22/01/2025	1.77	18.59	6.81	23.18	545.26	0.51	28.39
503	03:00 22/01/2025	1.77	18.57	6.77	23.20	578.79	0.51	610.53
504	04:00 22/01/2025	1.77	18.61	6.83	23.14	516.38	0.51	480.43
505	05:00 22/01/2025	1.77	18.61	6.82	23.14	583.22	0.51	253.54
506	06:00 22/01/2025	1.77	18.56	6.71	23.22	516.42	0.51	622.72
507	07:00 22/01/2025	1.77	18.65	6.85	23.09	578.69	0.51	511.54
508	08:00 22/01/2025	1.77	18.57	6.73	23.21	514.52	0.51	831.01
509	09:00 22/01/2025	1.77	18.59	6.76	23.17	530.98	0.51	92.13
510	10:00 22/01/2025	1.77	18.62	6.79	23.18	579.68	0.51	930.69
511	11:00 22/01/2025	1.77	18.57	6.73	23.27	528.42	0.51	438.84
512	12:00 22/01/2025	1.77	18.58	6.80	23.23	516.15	0.51	3.75
513	13:00 22/01/2025	1.77	18.59	6.75	23.29	382.18	0.51	1,224.07
514	14:00 22/01/2025	1.77	18.61	6.80	23.28	562.45	0.51	73.05
515	15:00 22/01/2025	1.77	18.57	6.74	23.36	396.23	0.51	620.93
516	16:00 22/01/2025	1.77	18.60	6.80	23.33	530.67	0.51	576.07
517	17:00 22/01/2025	1.77	18.57	6.78	23.36	583.14	0.51	241.99
518	18:00 22/01/2025	1.77	18.55	6.71	23.41	515.74	0.51	647
519	19:00 22/01/2025	1.77	18.62	6.82	23.29	579.31	0.51	399.60
520	20:00 22/01/2025	1.77	18.56	6.74	23.38	499.48	0.51	815.05
521	21:00 22/01/2025	1.77	18.55	6.76	23.33	547.86	0.51	58.81
522	22:00 22/01/2025	1.77	18.60	6.81	23.33	596.71	0.51	919.44
523	23:00 22/01/2025	1.77	18.57	6.76	23.37	584.91	0.51	463.41
524	00:00 23/01/2025	1.77	18.59	6.82	23.33	604.43	0.51	18.35
525	01:00 23/01/2025	1.78	18.59	6.78	23.36	485.02	0.51	1,261.63
526	02:00 23/01/2025	1.77	18.60	6.82	23.34	489.02	0.51	79.46
527	03:00 23/01/2025	1.77	18.56	6.76	23.36	604.38	0.51	600.84
528	04:00 23/01/2025	1.77	18.63	6.83	23.34	542.24	0.52	756.05
529	05:00 23/01/2025	1.77	18.61	6.79	23.34	585.86	0.51	306.51
530	06:00 23/01/2025	1.77	18.55	6.68	23.38	573.27	0.51	622.41
531	07:00 23/01/2025	1.77	18.63	6.81	23.31	576.62	0.52	527.21
532	08:00 23/01/2025	1.77	18.57	6.69	23.36	342.58	0.51	842.63
533	09:00 23/01/2025	1.77	18.59	6.73	23.31	187.02	0.51	103.22
534	10:00 23/01/2025	1.77	18.60	6.78	23.35	133.51	0.51	944.03
535	11:00 23/01/2025	1.77	18.56	6.70	23.39	300.49	0.51	459.42

536	12:00 23/01/2025	1.77	18.57	6.77	23.37	502.39	0.51	16.12
537	13:00 23/01/2025	1.77	18.55	6.78	23.34	444.70	0.51	254.54
538	14:00 23/01/2025	1.77	18.56	6.87	23.29	354.92	0.51	18.37
539	15:00 23/01/2025	1.77	18.55	6.79	23.36	534.75	0.51	565.94
540	16:00 23/01/2025	1.77	18.59	6.79	23.45	543.23	0.52	565.14
541	17:00 23/01/2025	1.77	18.56	6.77	23.44	540.57	0.51	237.53
542	18:00 23/01/2025	1.77	18.55	6.76	23.42	512.09	0.51	549.56
543	19:00 23/01/2025	1.78	18.64	6.81	23.37	575.02	0.51	517.93
544	20:00 23/01/2025	1.77	18.56	6.73	23.43	540.61	0.51	857.42
545	21:00 23/01/2025	1.77	18.56	6.76	23.38	426.61	0.51	62.77
546	22:00 23/01/2025	1.77	18.59	6.79	23.43	473.69	0.51	910.38
547	23:00 23/01/2025	1.77	18.58	6.76	23.43	559.34	0.51	459.86
548	00:00 24/01/2025	1.77	18.59	6.81	23.40	617.20	0.51	16.97
549	01:00 24/01/2025	1.77	18.57	6.74	23.41	485.23	0.51	1,107.16
550	02:00 24/01/2025	1.77	18.57	6.78	23.38	576.42	0.51	26.34
551	03:00 24/01/2025	1.77	18.56	6.75	23.40	594.48	0.51	591.11
552	04:00 24/01/2025	1.77	18.63	6.83	23.43	545.23	0.52	759.18
553	05:00 24/01/2025	1.77	18.61	6.80	23.41	575.77	0.51	293.02
554	06:00 24/01/2025	1.77	18.55	6.67	23.42	563.10	0.51	634.63
555	07:00 24/01/2025	1.77	18.63	6.82	23.37	576.02	0.52	533.31
556	08:00 24/01/2025	1.77	18.58	6.69	23.43	526.69	0.51	838.25
557	09:00 24/01/2025	1.78	18.60	6.73	23.39	343.64	0.51	108.08
558	10:00 24/01/2025	1.77	18.61	6.78	23.48	502.96	0.51	941.96
559	11:00 24/01/2025	1.77	18.57	6.69	23.55	477.26	0.51	455.36
560	12:00 24/01/2025	1.77	18.58	6.76	23.58	576.43	0.51	13.95
561	13:00 24/01/2025	1.78	18.59	6.70	23.65	537.20	0.51	1,096.89
562	14:00 24/01/2025	1.78	18.61	6.75	23.70	575.93	0.51	20.39
563	15:00 24/01/2025	1.78	18.57	6.71	23.75	594.62	0.51	591.96
564	16:00 24/01/2025	1.77	18.59	6.78	23.81	494.67	0.51	741.91
565	17:00 24/01/2025	1.77	18.57	6.75	23.81	575.73	0.51	270.42
566	18:00 24/01/2025	1.78	18.56	6.69	23.80	562.92	0.51	646.40
567	19:00 24/01/2025	1.77	18.61	6.80	23.78	529.52	0.51	525.82
568	20:00 24/01/2025	1.77	18.57	6.71	23.79	494.77	0.51	853.73
569	21:00 24/01/2025	1.77	18.56	6.74	23.77	446.45	0.51	67.72
570	22:00 24/01/2025	1.77	18.60	6.79	23.83	289.03	0.51	905.75
571	23:00 24/01/2025	1.77	18.58	6.77	23.81	458.06	0.51	422.51
572	00:00 25/01/2025	1.77	18.59	6.82	23.81	569.92	0.51	17.53
573	01:00 25/01/2025	1.77	18.59	6.77	23.80	527.60	0.51	998.23
574	02:00 25/01/2025	1.77	18.58	6.80	23.80	477.52	0.51	29.82
575	03:00 25/01/2025	1.77	18.57	6.78	23.77	533.16	0.51	561.91
576	04:00 25/01/2025	1.77	18.62	6.79	23.87	540.32	0.51	727.23
577	05:00 25/01/2025	1.77	18.62	6.78	23.83	551.61	0.51	280.29
578	06:00 25/01/2025	1.77	18.57	6.70	23.78	503.27	0.51	601.10
579	07:00 25/01/2025	1.77	18.63	6.79	23.82	420.63	0.52	497.66
580	08:00 25/01/2025	1.78	18.58	6.71	23.80	312.32	0.51	781.47

581	09:00 25/01/2025	1.78	18.61	6.75	23.78	484.72	0.51	65.32
582	10:00 25/01/2025	1.77	18.61	6.77	23.88	383.32	0.51	887.26
583	11:00 25/01/2025	1.77	18.57	6.73	23.87	267.76	0.51	314.72
584	12:00 25/01/2025	1.78	18.58	6.79	23.88	391.29	0.51	15.68
585	13:00 25/01/2025	1.77	18.58	6.74	23.90	422.55	0.51	925.44
586	14:00 25/01/2025	1.78	18.60	6.79	23.93	452.09	0.51	23.51
587	15:00 25/01/2025	1.77	18.56	6.75	23.95	458.23	0.51	559.80
588	16:00 25/01/2025	1.77	18.60	6.81	24.03	445.47	0.52	392.91
589	17:00 25/01/2025	1.77	18.57	6.80	24	391.32	0.52	189.81
590	18:00 25/01/2025	1.77	18.55	6.74	23.96	447.74	0.51	502.94
591	19:00 25/01/2025	1.77	18.61	6.82	23.99	407.51	0.52	485.69
592	20:00 25/01/2025	1.78	18.57	6.75	23.96	313.55	0.51	719.46
593	21:00 25/01/2025	1.77	18.56	6.80	23.93	445.84	0.52	30.35
594	22:00 25/01/2025	1.77	18.58	6.85	23.98	465.87	0.52	742.52
595	23:00 25/01/2025	1.78	18.59	6.82	23.97	404.33	0.52	333.82
596	00:00 26/01/2025	1.78	18.60	6.89	23.95	519.29	0.52	16.85
597	01:00 26/01/2025	1.78	18.59	6.82	23.96	482.69	0.52	964.02
598	02:00 26/01/2025	1.77	18.58	6.86	23.96	434.87	0.52	25.45
599	03:00 26/01/2025	1.77	18.57	6.83	23.96	519.88	0.52	566.80
600	04:00 26/01/2025	1.77	18.60	6.88	23.95	490.68	0.52	644.91
601	05:00 26/01/2025	1.78	18.61	6.87	23.87	462.27	0.52	210.04
602	06:00 26/01/2025	1.78	18.58	6.76	23.80	361.12	0.52	599.47
603	07:00 26/01/2025	1.77	18.60	6.89	23.68	404.64	0.52	431.07
604	08:00 26/01/2025	1.77	18.59	6.79	23.67	414.26	0.52	744.42
605	09:00 26/01/2025	1.78	18.62	6.81	23.54	448.99	0.52	128.64
606	10:00 26/01/2025	1.78	18.61	6.84	23.48	473.03	0.52	359.14
607	11:00 26/01/2025	1.77	18.58	6.79	23.47	315.15	0.52	392.50
608	12:00 26/01/2025	1.77	18.58	6.87	23.28	371.51	0.52	17.43
609	13:00 26/01/2025	1.78	18.60	6.83	23.46	467.95	0.52	1,114.84
610	14:00 26/01/2025	1.78	18.62	6.88	23.45	469.02	0.52	77.49
611	15:00 26/01/2025	1.78	18.61	6.84	23.41	367.93	0.52	553.20
612	16:00 26/01/2025	1.77	18.59	6.92	23.24	467.41	0.52	559.84
613	17:00 26/01/2025	1.77	18.58	6.90	23.22	467.37	0.52	169.87
614	18:00 26/01/2025	1.78	18.59	6.80	23.25	444.54	0.52	572.96
615	19:00 26/01/2025	1.77	18.60	6.91	23.12	467.44	0.52	400.25
616	20:00 26/01/2025	1.77	18.61	6.88	23.10	394.35	0.52	274.38
617	21:00 26/01/2025	1.77	18.58	6.85	23.06	255.59	0.52	433.50
618	22:00 26/01/2025	1.77	18.58	6.92	22.94	336.84	0.52	232.89
619	23:00 26/01/2025	1.77	18.58	6.91	22.94	252.53	0.52	344.75
620	00:00 27/01/2025	1.77	18.57	6.87	22.94	213.33	0.52	460.71
621	01:00 27/01/2025	1.77	18.59	6.94	22.82	328.23	0.52	189.87
622	02:00 27/01/2025	1.77	18.59	6.93	22.86	347.10	0.52	326.12
623	03:00 27/01/2025	1.77	18.57	6.90	22.80	379	0.52	340.84
624	04:00 27/01/2025	1.77	18.58	6.93	22.74	249.57	0.52	235.85
625	05:00 27/01/2025	1.77	18.58	6.89	22.74	312.08	0.52	336.73

626	06:00 27/01/2025	1.77	18.57	6.91	22.70	379.14	0.52	376.29
627	07:00 27/01/2025	1.77	18.57	6.96	22.62	383.48	0.52	199.65
628	08:00 27/01/2025	1.77	18.58	6.95	22.65	387.21	0.52	343.75
629	09:00 27/01/2025	1.77	18.56	6.87	22.62	378.75	0.51	479.41
630	10:00 27/01/2025	1.77	18.57	6.95	22.58	262.34	0.52	238.38
631	11:00 27/01/2025	1.77	18.56	6.92	22.65	249.72	0.52	344.73
632	12:00 27/01/2025	1.78	18.58	6.87	22.75	228.66	0.51	459.10
633	13:00 27/01/2025	1.78	18.58	6.96	22.75	0	0.51	183.85
634	14:00 27/01/2025	1.77	18.58	6.94	22.86	0	0.51	315.38
635	15:00 27/01/2025	1.78	18.56	6.84	22.95	0	0.51	430.65
636	16:00 27/01/2025	1.77	18.57	6.92	22.85	0	0.51	7.46
637	17:00 27/01/2025	1.77	18.57	6.94	22.77	0	0.51	82.96
638	18:00 27/01/2025	1.78	18.58	6.88	22.82	0	0.51	19.90
639	19:00 27/01/2025	1.78	18.58	6.95	22.72	0	0.51	17.92
640	20:00 27/01/2025	1.78	18.58	7.01	22.57	41.54	0.51	17.99
641	21:00 27/01/2025	1.77	18.58	7.05	22.45	230.53	0.51	11.57
642	22:00 27/01/2025	1.77	18.57	7.07	22.41	249.49	0.51	18.04
643	23:00 27/01/2025	1.77	18.58	7.06	22.42	248.35	0.51	163.47
644	00:00 28/01/2025	1.78	18.58	7.02	22.52	145.18	0.51	32.88
645	01:00 28/01/2025	1.78	18.58	7.08	22.38	0	0.51	21.56
646	02:00 28/01/2025	1.78	18.58	7.06	22.33	0	0.51	264.91
647	03:00 28/01/2025	1.78	18.58	6.86	22.52	0	0.51	482.77
648	04:00 28/01/2025	1.78	18.58	6.96	22.25	0	0.51	22.90
649	05:00 28/01/2025	1.78	18.57	6.98	22.13	0	0.51	20.69
650	06:00 28/01/2025	1.78	18.56	6.98	22.08	0	0.51	18.01
651	07:00 28/01/2025	1.78	18.56	6.98	22.05	0	0.51	21
652	08:00 28/01/2025	1.77	18.56	6.99	21.99	0	0.51	22.38
653	09:00 28/01/2025	1.77	18.57	7	21.89	0	0.51	15.92
654	10:00 28/01/2025	1.77	18.57	7.01	21.88	0	0.51	11.76
655	11:00 28/01/2025	1.77	18.57	7.04	21.91	0	0.51	12.77
656	12:00 28/01/2025	1.77	18.57	7.06	21.90	0	0.51	11.69
657	13:00 28/01/2025	1.77	18.57	7.09	21.91	0	0.51	8.26
658	14:00 28/01/2025	1.77	18.57	7.11	21.99	0	0.51	5.72
659	15:00 28/01/2025	1.77	18.58	7.14	21.91	0	0.51	2.09
660	16:00 28/01/2025	1.77	18.58	7.15	21.84	208.80	0.51	1.49
661	17:00 28/01/2025	1.77	18.58	7.15	21.76	25.01	0.51	6.21
662	18:00 28/01/2025	1.77	18.59	7.17	21.69	0	0.51	9.43
663	19:00 28/01/2025	1.77	18.58	7.17	21.64	0	0.51	12.18
664	20:00 28/01/2025	1.77	18.58	7.18	21.61	121.79	0.51	19.61
665	21:00 28/01/2025	1.78	18.61	7.08	21.63	183.37	0.51	158.99
666	22:00 28/01/2025	1.78	18.62	6.99	21.67	49.86	0.51	18.52
667	23:00 28/01/2025	1.78	18.62	7.04	21.56	54.06	0.51	15.44
668	00:00 29/01/2025	1.79	18.64	7.03	21.61	49.80	0.51	152.41
669	01:00 29/01/2025	1.78	18.64	7.04	21.62	50.03	0.51	20.52
670	02:00 29/01/2025	1.78	18.63	7.08	21.51	0	0.51	16.31

671	03:00 29/01/2025	1.78	18.64	7.06	21.50	50	0.51	157.58
672	04:00 29/01/2025	1.78	18.64	7.04	21.51	49.88	0.51	22.05
673	05:00 29/01/2025	1.78	18.63	7.08	21.42	0	0.51	15.38
674	06:00 29/01/2025	1.78	18.64	7.05	21.41	50.07	0.51	148.18
675	07:00 29/01/2025	1.78	18.64	7.04	21.38	50.04	0.51	20.59
676	08:00 29/01/2025	1.78	18.63	7.09	21.29	0	0.51	14.64
677	09:00 29/01/2025	1.78	18.65	7.08	21.30	49.81	0.51	135.03
678	10:00 29/01/2025	1.78	18.66	7.05	21.28	49.98	0.51	18.64
679	11:00 29/01/2025	1.78	18.65	7.09	21.21	0	0.51	15.09
680	12:00 29/01/2025	1.78	18.66	7.07	21.25	49.98	0.51	143.51
681	13:00 29/01/2025	1.78	18.66	7.05	21.30	49.89	0.51	12.96
682	14:00 29/01/2025	1.78	18.66	7.11	21.36	0	0.51	3.43
683	15:00 29/01/2025	1.78	18.67	7.11	21.36	49.98	0.51	94.01
684	16:00 29/01/2025	1.79	18.70	7.07	21.36	50.04	0.51	8.88
685	17:00 29/01/2025	1.78	18.69	7.12	21.32	0	0.51	10.16
686	18:00 29/01/2025	1.78	18.69	7.09	21.36	49.96	0.51	137.32
687	19:00 29/01/2025	1.78	18.68	7.07	21.37	49.96	0.51	18.23
688	20:00 29/01/2025	1.78	18.68	7.11	21.28	0	0.51	14.61
689	21:00 29/01/2025	1.78	18.69	7.09	21.30	49.97	0.51	124.68
690	22:00 29/01/2025	1.78	18.70	7.07	21.31	49.85	0.51	20
691	23:00 29/01/2025	1.78	18.70	7.10	21.21	0	0.51	16.11
692	00:00 30/01/2025	1.78	18.71	7.06	21.20	49.83	0.51	117.34
693	01:00 30/01/2025	1.78	18.71	7.04	21.17	49.83	0.51	19.96
694	02:00 30/01/2025	1.78	18.70	7.07	21.06	100.42	0.51	14.90
695	03:00 30/01/2025	1.78	18.71	7.06	21.05	49.98	0.51	106.53
696	04:00 30/01/2025	1.79	18.73	7.05	21.04	50.02	0.51	20.15
697	05:00 30/01/2025	1.78	18.72	7.10	20.95	102.89	0.51	17.81
698	06:00 30/01/2025	1.78	18.73	7.07	20.95	49.88	0.51	116.11
699	07:00 30/01/2025	1.79	18.74	7.03	20.91	49.84	0.51	19.54
700	08:00 30/01/2025	1.78	18.73	7.08	20.83	56.54	0.51	16.56
701	09:00 30/01/2025	1.78	18.74	7.09	20.83	49.89	0.51	111.56
702	10:00 30/01/2025	1.79	18.77	7.07	20.85	50.02	0.51	16.57
703	11:00 30/01/2025	1.79	18.78	7.14	20.93	57.34	0.51	109.52
704	12:00 30/01/2025	1.80	18.82	7.11	20.98	49.89	0.51	109.04
705	13:00 30/01/2025	1.81	18.89	7.09	21.05	49.92	0.51	7.88
706	14:00 30/01/2025	1.80	18.86	7.16	21.23	56.44	0.51	3.87
707	15:00 30/01/2025	1.80	18.89	7.15	21.26	49.85	0.51	99.10
708	16:00 30/01/2025	1.80	18.89	7.10	21.23	49.77	0.51	4.62
709	17:00 30/01/2025	1.78	18.82	7.16	21.38	54.89	0.51	95.62
710	18:00 30/01/2025	1.79	18.85	7.12	21.39	49.87	0.51	110.66
711	19:00 30/01/2025	1.79	18.88	7.09	21.36	49.98	0.51	16.95
712	20:00 30/01/2025	1.79	18.85	7.14	21.37	53.83	0.51	16.34
713	21:00 30/01/2025	1.79	18.86	7.12	21.38	50.06	0.51	117.69
714	22:00 30/01/2025	1.79	18.87	7.08	21.37	49.97	0.51	20.51
715	23:00 30/01/2025	1.78	18.83	7.10	21.30	0	0.51	112.22



716	00:00 31/01/2025	1.79	18.85	7.07	21.33	49.89	0.51	126.14
717	01:00 31/01/2025	1.79	18.85	7.06	21.33	49.99	0.51	20.70
718	02:00 31/01/2025	1.78	18.83	7.11	21.33	0	0.51	20.88
719	03:00 31/01/2025	1.79	18.83	7.10	21.30	49.88	0.51	119.65
720	04:00 31/01/2025	1.79	18.85	7.07	21.28	49.84	0.51	21.07
721	05:00 31/01/2025	1.79	18.83	7.12	21.23	0	0.51	25.21
722	06:00 31/01/2025	1.79	18.84	7.08	21.21	50.08	0.51	128.47
723	07:00 31/01/2025	1.79	18.85	7.05	21.25	49.92	0.51	22.43
724	08:00 31/01/2025	1.79	18.81	7.15	21.17	0	0.51	124.49
725	09:00 31/01/2025	1.79	18.83	7.13	21.22	49.88	0.51	123.08
726	10:00 31/01/2025	1.79	18.87	7.09	21.27	149.65	0.51	19.15
727	11:00 31/01/2025	1.79	18.85	7.14	21.27	0	0.51	21.41
728	12:00 31/01/2025	1.79	18.85	7.12	21.28	83.64	0.51	135.61
729	13:00 31/01/2025	1.79	18.86	7.08	21.34	219.97	0.51	16.90
730	14:00 31/01/2025	1.78	18.80	7.18	21.32	60.52	0.51	110.15
731	15:00 31/01/2025	1.79	18.83	7.14	21.41	49.90	0.51	156.83
732	16:00 31/01/2025	1.79	18.85	7.09	21.50	180.14	0.51	34.83
733	17:00 31/01/2025	1.78	18.80	7.13	21.48	455.76	0.51	168.88
734	18:00 31/01/2025	1.78	18.81	7.13	21.52	441.95	0.51	11.89
735	19:00 31/01/2025	1.78	18.79	7.14	21.48	290.39	0.51	220.25
736	20:00 31/01/2025	1.78	18.78	7.13	21.41	286.53	0.51	273.97
737	21:00 31/01/2025	1.79	18.88	6.93	21.68	346.20	0.51	711.59
738	22:00 31/01/2025	1.79	18.83	7.03	21.48	449.76	0.51	333.12
739	23:00 31/01/2025	1.79	18.84	7.02	21.49	319.10	0.51	224.07