

IR-4 Environmental Horticulture Program Research Report Cover Sheet

Researcher(s) Christian Nansen

Trial: 2022 CA

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ProjectTitle: Thrips Efficacy

Protocol #: 22-025

PR#	Research Target	Crop/Plant	Product	EPA Reg. #	Production Site	Status
35441	Thrips, Western Flower <i>Frankliniella occidentalis</i>	Marigold, French <i>Tagetes patula</i>	BotaniGard MAXX <i>Pyrethrins + Beauveria bassi</i>	82074-5 Bioworks	Greenhouse	C
34277	Thrips, Western Flower <i>Frankliniella occidentalis</i>	Marigold, French <i>Tagetes patula</i>	Bountify (MBI 306) <i>Burkholderia rinojensis strain</i>	- Pro Farm Grou	Greenhouse	C
34275	Thrips, Western Flower <i>Frankliniella occidentalis</i>	Marigold, French <i>Tagetes patula</i>	ISM-555 <i>ISM-555, A21377X</i>	- Syngenta Crop	Greenhouse	C
34276	Thrips, Western Flower <i>Frankliniella occidentalis</i>	Marigold, French <i>Tagetes patula</i>	MBI 203 SC2 <i>MBI 203</i>	- Pro Farm Grou	Greenhouse	C
34278	Thrips, Western Flower <i>Frankliniella occidentalis</i>	Marigold, French <i>Tagetes patula</i>	SP3014 <i>SP3014</i>	- SePRO Corpor	Greenhouse	C
35383	Thrips, Western Flower <i>Frankliniella occidentalis</i>	Marigold, French <i>Tagetes patula</i>	TetraCURB Max <i>castor oil + rosemary oil + cl</i>	- Kemin Crop Te	Greenhouse	C
34279	Thrips, Western Flower <i>Frankliniella occidentalis</i>	Marigold, French <i>Tagetes patula</i>	V-10433 <i>V-10433</i>	- Valent USA	Greenhouse	C

Researcher: Nansen **Date:** (rec'd at IR-4 HQ on 5/11/23)
Project Title: Efficacy of Management Tools for Thrips
Protocol #: 22-025 **PRnumbers:** 35441, 34277, 34275, 34276, 34278, 35383, 34279

Narrative Summary (Results/Discussion)

Western flower thrips (*Frankliniella occidentalis*) are common pests in various ornamental and vegetable crops. They can damage flowers, fruits, foliage, and noticeably affect a plant's cosmetic appearance. Western flower thrips cause damage by puncturing the outer layer of host tissue, and sucking out the cell contents. Infestations result in stippling, discolored flecking, or silvering of the leaf surface. Western flower thrips feeding can also stunt plant growth and cause affected leaves to drop early. Finally, and probably most importantly, western flower thrips vector various viral plant pathogens, which can severely damage or kill ornamental and vegetable crops (<http://ipm.ucanr.edu/PMG/PESTNOTES/pn7429.html>).

The purpose of this study was to determine efficacy of new active ingredient formulations and new biopesticides for managing thrips infestations environmental horticulture plants. A total of 70 individually potted French marigold (*Tagetes patula*) plants were used and subjected to one of 10 treatments (seven replications). Nine of the treatments were combinations of dosage and product of foliar insecticides, and one treatment was water only (positive control). Western flower thrips counts (based on sampling of flowers) of immatures and adults were performed: 0 (baseline prior to spray applications), 3, 7, 14, 21, and 28 days after onset of spray applications (= days after application, DAT). Individual plants were also assessed for possible signs of phytotoxicity of both leaves and flowers.

We predicted that foliar applications of insecticides would cause significant decrease in Western flower thrips counts over time compared to counts on positive control plants. We also predicted that foliar applications of insecticides would not cause significant increase in phytotoxicity of neither leaves nor flowers.

At all four time points (DAT3-DAT28), all treatments caused significant reductions in average adult counts, and all pesticides performed with similar efficacy. Regarding suppression of thrips immatures, all treatments caused significant reductions in average counts with seven of the nine treatments showing the highest reduction in immature counts:

- BotaniGard Maxx
- ISM-555 Low w/Capsil @ 0.05%
- ISM-555 High w/Capsil @ 0.05%
- MBI 203 SC2
- MBI 306
- SP3014 Low W/Capsil @ 0.05%
- SP3014 High W/Capsil @ 0.05%.

None of the treatments were found to cause any detectable foliar phytotoxicity and/or signs of phytotoxicity of flowers. Based on a data from previous IR4 project, we have published an article about use of optical sensing to detect and quantify phytotoxicity in ornamental plants (<https://doi.org/10.21273/HORTTECH04866-21>).

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Results Table

PI Christian Nansen is licensed to apply pesticides and performed all preparations of pesticide formulations and spray applications. A video about our approach to pesticide applications and its role in research and teaching is available: <https://www.youtube.com/watch?v=DtYFrvkguKQ>.

Western flower thrips - immatures

Results are presented in Table 1 and Figure 1. We observed no statistical differences in average counts of thrips immatures at DAT0. Thus, marigold plants were uniformly infested prior to onset of this study. At DAT3-28, we observed little to slight variation in average immature counts of positive control (treatment #1). Thus, marigold plants were maintained under experimental greenhouse conditions that did not negatively affect thrips population dynamics. At DAT3-28, we observed significant reductions in average counts of thrips immatures by all treatments. At DAT14 and DAT28, highly significant reductions in thrips immature average counts were observed in marigold plants subjected to treatments 2-8:

- BotaniGard Maxx
- ISM-555 Low w/Capsil @ 0.05%
- ISM-555 High w/Capsil @ 0.05%
- MBI 203 SC2
- MBI 306
- SP3014 Low W/Capsil @ 0.05%
- SP3014 High W/Capsil @ 0.05%.

Western flower thrips - adults

Results are presented in Table 2 and Figure 2. We observed no statistical differences in average counts of thrips adults at DAT0. Thus, marigold plants were uniformly infested prior to onset of this study. At DAT3-28, we observed little to slight variation in average adult counts of positive control (treatment #1). Thus, marigold plants were maintained under experimental greenhouse conditions that did not negatively affect thrips population dynamics. At DAT3-28, all treatments elicited highly significant reductions in average adult thrips counts, and there was no significant difference among treatments.

Plant morphometric

Results are presented in Figure 2. At the study onset, there was significant difference in average plant height among treatments, but the significant difference remained over time (was similar at DAT28). Thus, it appeared that individual treatments were not affecting plant height. At the study onset, there was no significant difference in average plant width among treatments. However at DAT28, plants subjected to treatment 4 (ISM-555 High w/Capsil @ 0.05%) were significantly wider than those subjected to treatments 5 and 7 (MBI 203 SC2, SP3014 Low W/Capsil @ 0.05%). This effect on plant width was not considered directly associated with pesticide treatments.

Phytotoxicity

None of the 10 treatments were found to cause any detectable foliar phytotoxicity and/or signs of phytotoxicity of flowers. Based on a data from previous IR4 project, we have published an article about use of optical sensing to detect and quantify phytotoxicity in ornamental plants (<https://doi.org/10.21273/HORTTECH04866-21>).

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Table 1. Western flower thrips - immatures

Trt#	Product	Amount/L	Unit	DAT0	DAT3	DAT7	DAT14	DAT28
1	NA	NA	NA	13.9	18.9	15.0	16.6	15.4
2	BotaniGard Maxx	2.5	mL	18.9	4.0	3.3	0.0	1.1
3	ISM-555 Low w/Capsil @ 0.05%	300	uL	18.4	3.3	2.7	0.7	0.0
4	ISM-555 High w/Capsil @ 0.05%	450	uL	18.0	2.0	0.4	0.1	0.3
5	MBI 203 SC2	10	mL	16.1	3.6	2.9	0.7	0.1
6	MBI 306	1.56	mL	19.9	4.7	2.0	0.1	0.4
7	SP3014 Low W/Capsil @ 0.05%	1.02	mL	18.9	5.7	2.6	0.4	0.4
8	SP3014 High W/Capsil @ 0.05%	2.03	mL	24.3	3.3	1.4	0.4	0.6
9	TetraCURB Max	10	mL	14.6	8.7	7.1	6.7	5.3
10	V-10433	0.86	mL	17.0	9.4	7.6	5.6	4.6
	F-value			1.208	22.140	17.500	81.630	58.340
	P-value			0.307	<0.001	<0.001	<0.001	<0.001
	Presentation of statistical analysis				Figure 1a	Figure 1b	Figure 1c	Figure 1d

Table 1 shows average counts of thrips immatures at five time points (DAT0-28). We performed pairwise tukey comparisons of the 10 treatments and overall statistical results are presented. Time points with statistical treatment effects are presented as bar graphs in Figure 1.

Table 2. Western flower thrips – adults

Trt#	Product	Amount/L	Unit	DAT0	DAT3	DAT7	DAT14	DAT28
1	NA	NA	NA	31.0	33.4	31.3	31.3	32.6
2	BotaniGard Maxx	2.5	mL	43.0	2.4	4.4	0.0	0.9
3	ISM-555 Low w/Capsil @ 0.05%	300	uL	45.7	3.1	1.6	0.1	0.0
4	ISM-555 High w/Capsil @ 0.05%	450	uL	48.3	2.0	0.4	0.1	0.0
5	MBI 203 SC2	10	mL	43.9	3.6	1.6	0.0	0.0
6	MBI 306	1.56	mL	50.3	4.1	2.4	0.3	0.9
7	SP3014 Low W/Capsil @ 0.05%	1.02	mL	45.0	3.4	1.1	0.6	0.1
8	SP3014 High W/Capsil @ 0.05%	2.03	mL	45.3	3.1	1.4	0.4	0.1
9	TetraCURB Max	10	mL	35.4	9.9	3.0	2.0	1.4
10	V-10433	0.86	mL	52.9	7.4	5.1	2.6	1.7
	F-value			1.613	10.490	39.000	148.200	103.200
	P-value			0.132	<0.001	<0.001	<0.001	<0.001
	Presentation of statistical analysis				Figure 2a	Figure 2b	Figure 2c	Figure 2d

Table 2 shows average counts of thrips adults at five time points (DAT0-28). We performed pairwise tukey comparisons of the 10 treatments and overall statistical results are presented. Time points with statistical treatment effects are presented as bar graphs in Figure 2.

Figure 1. Average (s.e.) counts of thrips immatures

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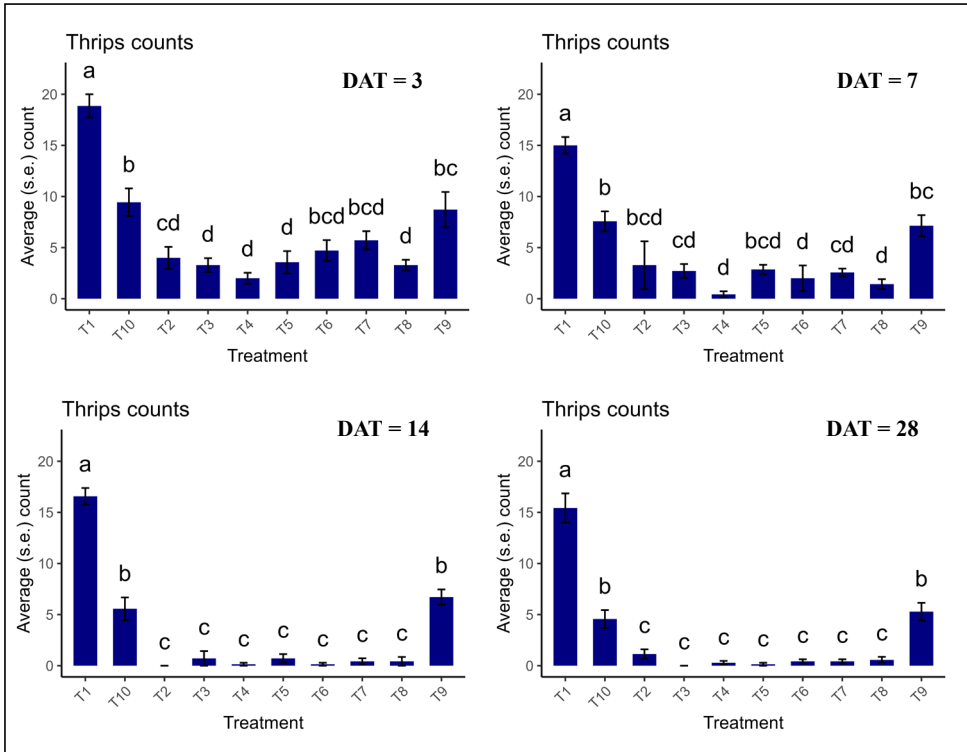
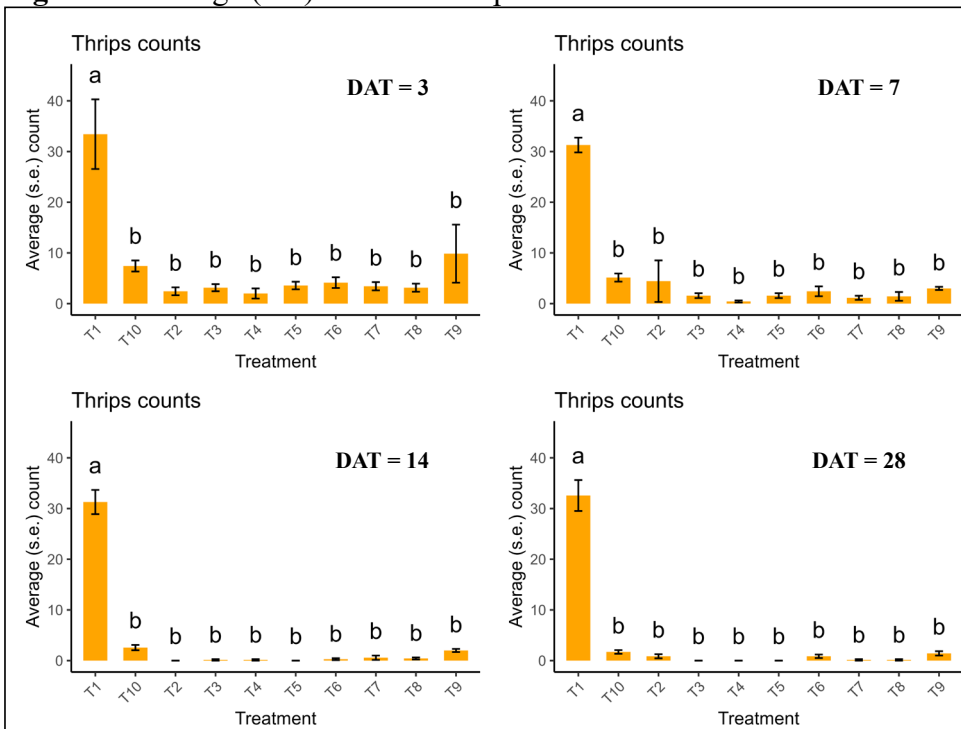
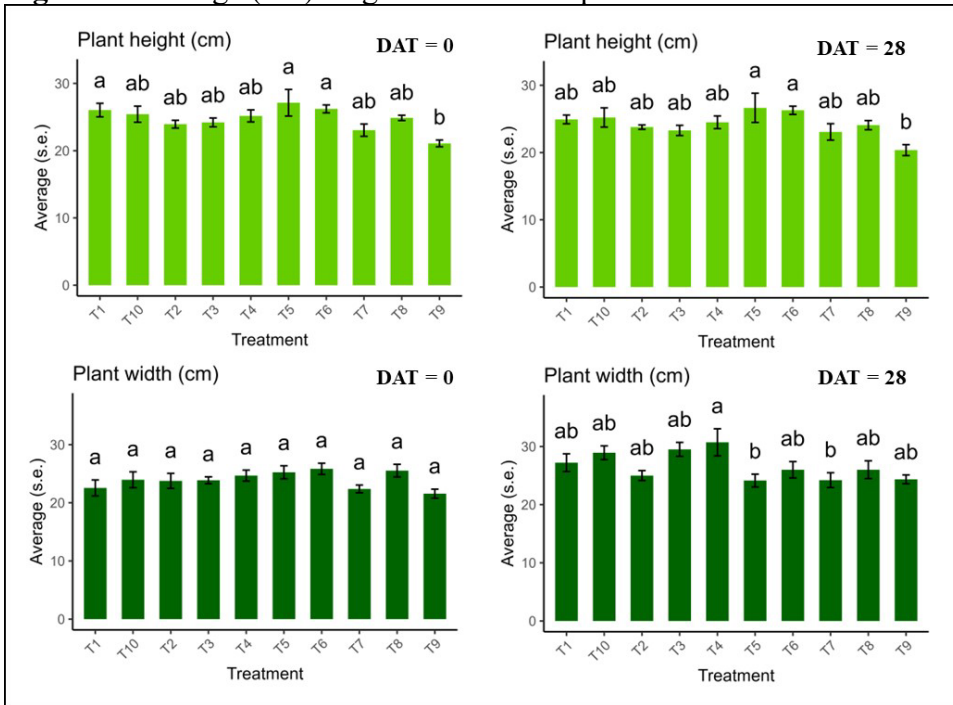


Figure 2. Average (s.e.) counts of thrips adults



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Figure 3. Average (s.e.) height and width of plants at DAT0 and DAT28



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For each evaluation day of thrips counts, one fully open flower with visible pollen in the center was selected per plant, and collected in a centrifuge tube with 70% ethanol. Immature and adult Western flower thrips were collected through alcohol extraction. Flowers were dissected in 70% ethanol and were rinsed with 70% ethanol to dislodge Western flower thrips. The solution was strained through filter paper, and adults and immatures were counted [<http://ipm.ucanr.edu/PMG/PESTNOTES/pn7429.html>]. Phytotoxicity of leaves was scored on a 0 to 10 scale (0 = no phytotoxicity, 10 = dead plant). Phytotoxicity of flowers was also scored on a 0 to 10 scale, with 0% = no flowers showing signs of phytotoxicity and 100% = to all flowers showing signs of phytotoxicity. Thus, flower phytotoxicity was based on dichotomous assessment of individual flowers (phytotoxicity yes/no).

Statistical analysis: Separate pairwise tukey analyses of variance were performed in R [library(multcomp)] for each combination of days after onset of treatments.

Raw Data: Dates, treatments, counts of immature and adult Western flower thrips, environmental conditions. Please see attached file: IR4_22-025 Thrips studyxlsx.

Application Equipment: Dramm hydraulic sprayer
Christian Nansen performed all pesticide spray applications.

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Photos



PI Christian Nansen is licensed to apply pesticides and performed all preparations of pesticide formulations and spray applications. A video about our approach to pesticide applications and its role in research and teaching is available: <https://www.youtube.com/watch?v=DtYFrvkguKQ>



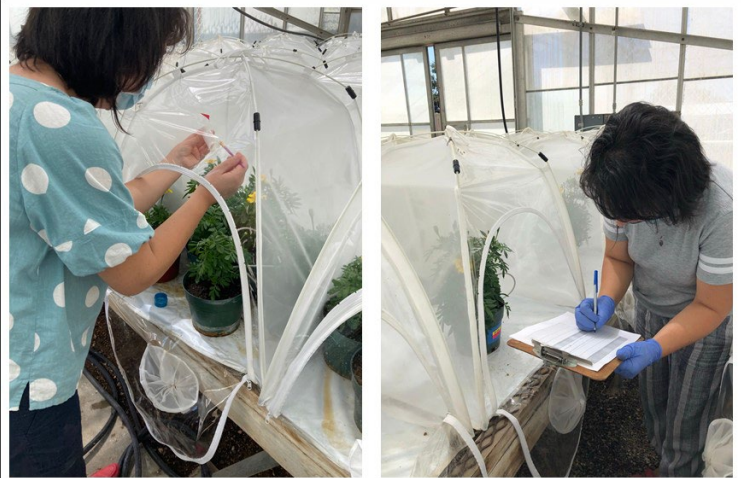
These are pictures of centrifuge tubes with 70% alcohol containing samples from an evaluation day.

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Between spray applications and collection of data, marigold plants are kept in cages with automated water/irrigation in a single greenhouse and with plants from different treatments organized in a complete randomized design. On days of spray applications, all plants from each treatment are grouped in clusters. Clusters are separated with small/movable partitioning walls to avoid cross contamination during sprays. Each cluster is tagged with a color-coded flag.

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Before pesticide spray applications, Haleh Khodaverdi carefully infests individual plants with Western flower thrips. This is continued/repeated, until all plants have similar levels of pest pressure. In addition, she collects morphometric data (height and width) from each plant, and she collects flower samples to count thrips immatures and adults.

TAB NAME: Sheet2

Average of Adult	Column Labels					
Row Labels	0.0	3.0	7.0	14.0	28.0	Grand Total
1	31.0	33.4	31.3	31.3	32.6	31.9
2	43.0	2.4	4.4	0.0	0.9	10.1
3	45.7	3.1	1.6	0.1	0.0	10.1
4	48.3	2.0	0.4	0.1	0.0	10.2
5	43.9	3.6	1.6	0.0	0.0	9.8
6	50.3	4.1	2.4	0.3	0.9	11.6
7	45.0	3.4	1.1	0.6	0.1	10.1
8	45.3	3.1	1.4	0.4	0.1	10.1
9	35.4	9.9	3.0	2.0	1.4	10.3
10	52.9	7.4	5.1	2.6	1.7	13.9
Grand Total	44.1	7.3	5.2	3.7	3.8	12.8

Trt#	Product	Amount/L	Unit	DAT0	DAT3	DAT7	DAT14	DAT28
1	NA	NA	NA	31.0	33.4	31.3	31.3	32.6
2	BotaniGard Maxx	2.5	mL	43.0	2.4	4.4	0.0	0.9
3	ISM-555 Low w/Capsil @ 0.05%	300	uL	45.7	3.1	1.6	0.1	0.0
4	ISM-555 High w/Capsil @ 0.05%	450	uL	48.3	2.0	0.4	0.1	0.0
5	MBI 203 SC2	10	mL	43.9	3.6	1.6	0.0	0.0
6	MBI 306	1.56	mL	50.3	4.1	2.4	0.3	0.9
7	SP3014 Low W/Capsil @ 0.05%	1.02	mL	45.0	3.4	1.1	0.6	0.1
8	SP3014 High W/Capsil @ 0.05%	2.03	mL	45.3	3.1	1.4	0.4	0.1
9	TetraCURB Max	10	mL	35.4	9.9	3.0	2.0	1.4
10	V-10433	0.86	mL	52.9	7.4	5.1	2.6	1.7
	F-value			1.613	10.490	39.000	148.200	103.200
	P-value			0.132	<0.001	<0.001	<0.001	<0.001
	Presentation of statistical analysis				Figure 2a	Figure 2b	Figure 2c	Figure 2d

	A	B	C	D	E	F	G	H	I	J	K
1	TAB NAME: Data										
2	DAT	Date	Plant#	TRT	Imm	Adult	Phyto_Fol	Phyto_flow	Height	Width	Comment
3	0	11/1/2022	1	T8		36	17		25.5	26.6	
4	0	11/1/2022	2	T8		13	39		25.1	24.1	
5	0	11/1/2022	3	T6		23	51		25.5	24.6	
6	0	11/1/2022	4	T5		19	48		26.3	24.6	
7	0	11/1/2022	5	T7		15	37		27.1	22	
8	0	11/1/2022	6	T7		11	26		24.1	21.9	
9	0	11/1/2022	7	T8		25	51		25.9	27.4	
10	0	11/1/2022	8	T2		17	38		24.9	29.3	
11	0	11/1/2022	9	T9		22	51		21.6	22	
12	0	11/1/2022	10	T3		19	58		22.5	22.1	
13	0	11/1/2022	11	T10		16	55		22.5	20	
14	0	11/1/2022	12	T4		26	36		21.2	22.7	
15	0	11/1/2022	13	T3		16	41		25.2	26.1	
16	0	11/1/2022	14	T10		31	63		20.5	29	
17	0	11/1/2022	15	T9		8	29		20.5	18.7	
18	0	11/1/2022	16	T1		16	40		20.9	16.5	
19	0	11/1/2022	17	T5		7	14		38.8	30.6	
20	0	11/1/2022	18	T9		14	43		20.2	24.6	
21	0	11/1/2022	19	T5		13	37		24.9	21.9	
22	0	11/1/2022	20	T6		11	42		24.4	22	
23	0	11/1/2022	21	T3		21	39		26.8	23.4	
24	0	11/1/2022	22	T4		17	36		22.7	21.8	
25	0	11/1/2022	23	T6		13	51		24.6	24.2	
26	0	11/1/2022	24	T7		21	72		24.4	20.8	
27	0	11/1/2022	25	T10		18	52		25.7	20.4	
28	0	11/1/2022	26	T10		5	39		26.9	25.5	
29	0	11/1/2022	27	T1		21	33		25.6	24.8	
30	0	11/1/2022	28	T8		18	43		26.1	30	
31	0	11/1/2022	29	T8		27	61		24.2	21.2	
32	0	11/1/2022	30	T10		18	51		24.5	20.4	
33	0	11/1/2022	31	T7		14	48		21.3	21.2	
34	0	11/1/2022	32	T2		10	39		25.4	23.2	
35	0	11/1/2022	33	T5		23	49		24.2	24.6	
36	0	11/1/2022	34	T5		11	52		25.3	26.3	
37	0	11/1/2022	35	T2		15	37		23.5	23.6	
38	0	11/1/2022	36	T5		19	54		26.4	26.6	
39	0	11/1/2022	37	T1		16	17		26.7	20.8	
40	0	11/1/2022	38	T4		13	46		26	27.6	
41	0	11/1/2022	39	T1		9	13		24.7	19.9	
42	0	11/1/2022	40	T10		15	60		29.1	26.2	
43	0	11/1/2022	41	T5		21	53		24	22.1	
44	0	11/1/2022	42	T3		19	48		22	22.5	
45	0	11/1/2022	43	T1		13	36		28.7	26.6	
46	0	11/1/2022	44	T7		15	45		22.7	21.5	
47	0	11/1/2022	45	T9		18	51		21.5	21	
48	0	11/1/2022	46	T2		26	63		23.3	20.4	
49	0	11/1/2022	47	T4		16	52		26	25.6	
50	0	11/1/2022	48	T9		9	18		23.7	21.6	
51	0	11/1/2022	49	T6		33	47		27.6	29.6	
52	0	11/1/2022	50	T9		28	39		20.4	23.5	
53	0	11/1/2022	51	T9		3	17		19.7	19.6	
54	0	11/1/2022	52	T3		17	42		25.6	25.9	
55	0	11/1/2022	53	T8		31	49		23.4	23.4	
56	0	11/1/2022	54	T6		13	29		26.4	27.5	
57	0	11/1/2022	55	T7		14	56		19.6	25.9	
58	0	11/1/2022	56	T1		15	61		27.6	23.5	
59	0	11/1/2022	57	T2		27	44		21.5	23.4	
60	0	11/1/2022	58	T4		23	70		28	21.9	
61	0	11/1/2022	59	T4		18	66		26.7	27	
62	0	11/1/2022	60	T1		7	17		28.1	25.8	
63	0	11/1/2022	61	T2		20	34		25.9	26.9	
64	0	11/1/2022	62	T10		16	50		28.8	26.2	
65	0	11/1/2022	63	T3		13	29		23.8	23.6	

	A	B	C	D	E	F	G	H	I	J	K
66	0	11/1/2022	64	T6	24	71			26.3	25.3	
67	0	11/1/2022	65	T8	20	57			23.9	26	
68	0	11/1/2022	66	T2	17	46			23.1	19.6	
69	0	11/1/2022	67	T7	42	31			22.2	23.4	
70	0	11/1/2022	68	T6	22	61			28.7	27.7	
71	0	11/1/2022	69	T3	24	63			23.5	23.5	
72	0	11/1/2022	70	T4	13	32			25.6	26.2	
73	3	11/4/2022	1	T8	5	7	0	0			
74	3	11/4/2022	2	T8	3	5	0	0			
75	3	11/4/2022	3	T6	7	9	0	0			
76	3	11/4/2022	4	T5	2	3	0	0			
77	3	11/4/2022	5	T7	5	2	0	0			
78	3	11/4/2022	6	T7	9	4	0	0			
79	3	11/4/2022	7	T8	2	2	0	0			
80	3	11/4/2022	8	T2	7	4	0	0			
81	3	11/4/2022	9	T9	15	7	0	0			
82	3	11/4/2022	10	T3	3	6	0	0			
83	3	11/4/2022	11	T10	5	7	0	0			
84	3	11/4/2022	12	T4	1	2	0	0			
85	3	11/4/2022	13	T3	6	5	0	0			
86	3	11/4/2022	14	T10	6	2	0	0			
87	3	11/4/2022	15	T9	9	5	0	0			
88	3	11/4/2022	16	T1	23	2	0	0			
89	3	11/4/2022	17	T5	4	5	0	0			
90	3	11/4/2022	18	T9	13	44	0	0			
91	3	11/4/2022	19	T5	2	1	0	0			
92	3	11/4/2022	20	T6	5	6	0	0			
93	3	11/4/2022	21	T3	3	1	0	0			
94	3	11/4/2022	22	T4	5	7	0	0			
95	3	11/4/2022	23	T6	3	1	0	0			
96	3	11/4/2022	24	T7	8	2	0	0			
97	3	11/4/2022	25	T10	9	11	0	0			
98	3	11/4/2022	26	T10	15	8	0	0			
99	3	11/4/2022	27	T1	17	38	0	0			
100	3	11/4/2022	28	T8	4	1	0	0			
101	3	11/4/2022	29	T8	2	3	0	0			
102	3	11/4/2022	30	T10	8	9	0	0			
103	3	11/4/2022	31	T7	3	0	0	0			
104	3	11/4/2022	32	T2	0	0	0	0			
105	3	11/4/2022	33	T5	0	3	0	0			
106	3	11/4/2022	34	T5	9	4	0	0			
107	3	11/4/2022	35	T2	3	4	0	0			
108	3	11/4/2022	36	T5	5	7	0	0			
109	3	11/4/2022	37	T1	19	33	0	0			
110	3	11/4/2022	38	T4	2	4	0	0			
111	3	11/4/2022	39	T1	14	21	0	0			
112	3	11/4/2022	40	T10	13	9	0	0			
113	3	11/4/2022	41	T5	3	2	0	0			
114	3	11/4/2022	42	T3	4	3	0	0			
115	3	11/4/2022	43	T1	22	51	0	0			
116	3	11/4/2022	44	T7	7	5	0	0			
117	3	11/4/2022	45	T9	6	2	0	0			
118	3	11/4/2022	46	T2	8	5	0	0			
119	3	11/4/2022	47	T4	2	0	0	0			
120	3	11/4/2022	48	T9	11	5	0	0			
121	3	11/4/2022	49	T6	5	4	0	0			
122	3	11/4/2022	50	T9	4	4	0	0			
123	3	11/4/2022	51	T9	3	2	0	0			
124	3	11/4/2022	52	T3	0	1	0	0			
125	3	11/4/2022	53	T8	2	2	0	0			
126	3	11/4/2022	54	T6	3	2	0	0			
127	3	11/4/2022	55	T7	3	6	0	0			
128	3	11/4/2022	56	T1	19	56	0	0			
129	3	11/4/2022	57	T2	5	3	0	0			
130	3	11/4/2022	58	T4	1	1	0	0			

	A	B	C	D	E	F	G	H	I	J	K
131	3	11/4/2022	59	T4	1	0	0	0			
132	3	11/4/2022	60	T1	18	33	0	0			
133	3	11/4/2022	61	T2	2	0	0	0			
134	3	11/4/2022	62	T10	10	6	0	0			
135	3	11/4/2022	63	T3	4	3	0	0			
136	3	11/4/2022	64	T6	9	5	0	0			
137	3	11/4/2022	65	T8	5	2	0	0			
138	3	11/4/2022	66	T2	3	1	0	0			
139	3	11/4/2022	67	T7	5	5	0	0			
140	3	11/4/2022	68	T6	1	2	0	0			
141	3	11/4/2022	69	T3	3	3	0	0			
142	3	11/4/2022	70	T4	2	0	0	0			
143	7	11/8/2022	1	T8	1	6	0	0			
144	7	11/8/2022	2	T8	1	0	0	0			
145	7	11/8/2022	3	T6	9	8	0	0			
146	7	11/8/2022	4	T5	3	1	0	0			
147	7	11/8/2022	5	T7	1	0	0	0			
148	7	11/8/2022	6	T7	3	1	0	0			
149	7	11/8/2022	7	T8	2	0	0	0			
150	7	11/8/2022	8	T2	0	0	0	0			
151	7	11/8/2022	9	T9	10	4	0	0			
152	7	11/8/2022	10	T3	4	3	0	0			
153	7	11/8/2022	11	T10	6	5	0	0			
154	7	11/8/2022	12	T4	0	0	0	0			
155	7	11/8/2022	13	T3	4	2	0	0			
156	7	11/8/2022	14	T10	5	3	0	0			
157	7	11/8/2022	15	T9	7	2	0	0			
158	7	11/8/2022	16	T1	11	27	0	0			
159	7	11/8/2022	17	T5	3	0	0	0			
160	7	11/8/2022	18	T9	10	4	0	0			
161	7	11/8/2022	19	T5	3	0	0	0			
162	7	11/8/2022	20	T6	0	1	0	0			
163	7	11/8/2022	21	T3	1	0	0	0			
164	7	11/8/2022	22	T4	0	1	0	0			
165	7	11/8/2022	23	T6	0	3	0	0			
166	7	11/8/2022	24	T7	4	2	0	0			
167	7	11/8/2022	25	T10	11	8	0	0			
168	7	11/8/2022	26	T10	11	5	0	0			
169	7	11/8/2022	27	T1	14	31	0	0			
170	7	11/8/2022	28	T8	1	0	0	0			
171	7	11/8/2022	29	T8	1	0	0	0			
172	7	11/8/2022	30	T10	7	6	0	0			
173	7	11/8/2022	31	T7	2	0	0	0			
174	7	11/8/2022	32	T2	1	0	0	0			
175	7	11/8/2022	33	T5	1	3	0	0			
176	7	11/8/2022	34	T5	5	2	0	0			
177	7	11/8/2022	35	T2	3	1	0	0			
178	7	11/8/2022	36	T5	3	2	0	0			
179	7	11/8/2022	37	T1	15	37	0	0			
180	7	11/8/2022	38	T4	1	0	0	0			
181	7	11/8/2022	39	T1	16	29	0	0			
182	7	11/8/2022	40	T10	8	7	0	0			
183	7	11/8/2022	41	T5	2	3	0	0			
184	7	11/8/2022	42	T3	3	3	0	0			
185	7	11/8/2022	43	T1	18	36	0	0			
186	7	11/8/2022	44	T7	3	1	0	0			
187	7	11/8/2022	45	T9	8	3	0	0			
188	7	11/8/2022	46	T2	0	0	0	0			
189	7	11/8/2022	47	T4	0	1	0	0			
190	7	11/8/2022	48	T9	7	3	0	0			
191	7	11/8/2022	49	T6	3	1	0	0			
192	7	11/8/2022	50	T9	6	3	0	0			
193	7	11/8/2022	51	T9	2	2	0	0			
194	7	11/8/2022	52	T3	0	0	0	0			
195	7	11/8/2022	53	T8	0	1	0	0			

	A	B	C	D	E	F	G	H	I	J	K
196	7	11/8/2022	54	T6	0	1	0	0			
197	7	11/8/2022	55	T7	2	3	0	0			
198	7	11/8/2022	56	T1	15	31	0	0			
199	7	11/8/2022	57	T2	0	1	0	0			
200	7	11/8/2022	58	T4	2	1	0	0			
201	7	11/8/2022	59	T4	0	0	0	0			
202	7	11/8/2022	60	T1	16	28	0	0			
203	7	11/8/2022	61	T2	2	0	0	0			
204	7	11/8/2022	62	T10	5	2	0	0			
205	7	11/8/2022	63	T3	5	2	0	0			
206	7	11/8/2022	64	T6	2	1	0	0			
207	7	11/8/2022	65	T8	4	3	0	0			
208	7	11/8/2022	66	T2	17	29	0	0			
209	7	11/8/2022	67	T7	3	1	0	0			
210	7	11/8/2022	68	T6	0	2	0	0			
211	7	11/8/2022	69	T3	2	1	0	0			
212	7	11/8/2022	70	T4	0	0	0	0			
213	14	11/15/2022	1	T8	0	0	0	0			
214	14	11/15/2022	2	T8	0	1	0	0			
215	14	11/15/2022	3	T6	0	0	0	0			
216	14	11/15/2022	4	T5	3	0	0	0			
217	14	11/15/2022	5	T7	1	0	0	0			
218	14	11/15/2022	6	T7	0	0	0	0			
219	14	11/15/2022	7	T8	0	0	0	0			
220	14	11/15/2022	8	T2	0	0	0	0			
221	14	11/15/2022	9	T9	7	1	0	0			
222	14	11/15/2022	10	T3	5	1	0	0			
223	14	11/15/2022	11	T10	0	0	0	0			
224	14	11/15/2022	12	T4	1	1	0	0			
225	14	11/15/2022	13	T3	0	0	0	0			
226	14	11/15/2022	14	T10	4	2	0	0			
227	14	11/15/2022	15	T9	5	1	0	0			
228	14	11/15/2022	16	T1	17	25	0	0			
229	14	11/15/2022	17	T5	0	0	0	0			
230	14	11/15/2022	18	T9	6	3	0	0			
231	14	11/15/2022	19	T5	1	0	0	0			
232	14	11/15/2022	20	T6	0	0	0	0			
233	14	11/15/2022	21	T3	0	0	0	0			
234	14	11/15/2022	22	T4	0	0	0	0			
235	14	11/15/2022	23	T6	1	1	0	0			
236	14	11/15/2022	24	T7	2	3	0	0			
237	14	11/15/2022	25	T10	7	2	0	0			
238	14	11/15/2022	26	T10	9	4	0	0			
239	14	11/15/2022	27	T1	17	36	0	0			
240	14	11/15/2022	28	T8	0	1	0	0			
241	14	11/15/2022	29	T8	0	0	0	0			
242	14	11/15/2022	30	T10	7	4	0	0			
243	14	11/15/2022	31	T7	0	1	0	0			
244	14	11/15/2022	32	T2	0	0	0	0			
245	14	11/15/2022	33	T5	0	0	0	0			
246	14	11/15/2022	34	T5	0	0	0	0			
247	14	11/15/2022	35	T2	0	0	0	0			
248	14	11/15/2022	36	T5	1	0	0	0			
249	14	11/15/2022	37	T1	19	33	0	0			
250	14	11/15/2022	38	T4	0	0	0	0			
251	14	11/15/2022	39	T1	15	34	0	0			
252	14	11/15/2022	40	T10	5	3	0	0			
253	14	11/15/2022	41	T5	0	0	0	0			
254	14	11/15/2022	42	T3	0	0	0	0			
255	14	11/15/2022	43	T1	16	40	0	0			
256	14	11/15/2022	44	T7	0	0	0	0			
257	14	11/15/2022	45	T9	7	2	0	0			
258	14	11/15/2022	46	T2	0	0	0	0			
259	14	11/15/2022	47	T4	0	0	0	0			
260	14	11/15/2022	48	T9	8	2	0	0			

	A	B	C	D	E	F	G	H	I	J	K
261	14	11/15/2022	49	T6	0	0	0	0			
262	14	11/15/2022	50	T9	10	3	0	0			
263	14	11/15/2022	51	T9	4	2	0	0			
264	14	11/15/2022	52	T3	0	0	0	0			
265	14	11/15/2022	53	T8	0	0	0	0			
266	14	11/15/2022	54	T6	0	1	0	0			
267	14	11/15/2022	55	T7	0	0	0	0			
268	14	11/15/2022	56	T1	19	29	0	0			
269	14	11/15/2022	57	T2	0	0	0	0			
270	14	11/15/2022	58	T4	0	0	0	0			
271	14	11/15/2022	59	T4	0	0	0	0			
272	14	11/15/2022	60	T1	13	22	0	0			
273	14	11/15/2022	61	T2	0	0	0	0			
274	14	11/15/2022	62	T10	7	3	0	0			
275	14	11/15/2022	63	T3	0	0	0	0			
276	14	11/15/2022	64	T6	0	0	0	0			
277	14	11/15/2022	65	T8	3	1	0	0			
278	14	11/15/2022	66	T2	0	0	0	0			
279	14	11/15/2022	67	T7	0	0	0	0			
280	14	11/15/2022	68	T6	0	0	0	0			
281	14	11/15/2022	69	T3	0	0	0	0			
282	14	11/15/2022	70	T4	0	0	0	0			
283	28	11/28/2022	1	T8	1	0	0	0	25.5	23	
284	28	11/28/2022	2	T8	0	0	0	0	24.5	27	
285	28	11/28/2022	3	T6	0	0	0	0	26	24.5	
286	28	11/28/2022	4	T5	0	0	0	0	25	25	
287	28	11/28/2022	5	T7	1	0	0	0	27.5	27	
288	28	11/28/2022	6	T7	1	0	0	0	24.5	20	
289	28	11/28/2022	7	T8	0	0	0	0	25.5	32.5	
290	28	11/28/2022	8	T2	3	0	0	0	23	25.5	
291	28	11/28/2022	9	T9	8	0	0	0	20	23	
292	28	11/28/2022	10	T3	0	0	0	0	24.5	27.5	
293	28	11/28/2022	11	T10	2	0	0	0	22	28	
294	28	11/28/2022	12	T4	0	0	0	0	21	24	
295	28	11/28/2022	13	T3	0	0	0	0	23.5	33.5	
296	28	11/28/2022	14	T10	2	1	0	0	21	31	
297	28	11/28/2022	15	T9	3	2	0	0	20	24	
298	28	11/28/2022	16	T1	14	31	0	0	22.5	23	
299	28	11/28/2022	17	T5	0	0	0	0	39.5	28	
300	28	11/28/2022	18	T9	4	3	0	0	21.5	24	
301	28	11/28/2022	19	T5	0	0	0	0	24	19	
302	28	11/28/2022	20	T6	1	0	0	0	24.5	20	
303	28	11/28/2022	21	T3	0	0	0	0	26.5	29	
304	28	11/28/2022	22	T4	0	0	0	0	21	23	
305	28	11/28/2022	23	T6	1	2	0	0	24	25.5	
306	28	11/28/2022	24	T7	1	0	0	0	23.5	21.5	
307	28	11/28/2022	25	T10	5	2	0	0	24.5	25	
308	28	11/28/2022	26	T10	6	2	0	0	27	30.5	
309	28	11/28/2022	27	T1	13	31	0	0	25	32	
310	28	11/28/2022	28	T8	1	0	0	0	25.5	29	
311	28	11/28/2022	29	T8	0	0	0	0	23.5	21	
312	28	11/28/2022	30	T10	3	3	0	0	22.5	26	
313	28	11/28/2022	31	T7	0	0	0	0	23.5	20.5	
314	28	11/28/2022	32	T2	0	0	0	0	23.5	27.5	
315	28	11/28/2022	33	T5	0	0	0	0	25	22	
316	28	11/28/2022	34	T5	1	0	0	0	25.5	25	
317	28	11/28/2022	35	T2	0	0	0	0	24	28.5	
318	28	11/28/2022	36	T5	0	0	0	0	22.5	26	
319	28	11/28/2022	37	T1	14	42	0	0	25.5	25.5	
320	28	11/28/2022	38	T4	0	0	0	0	25	28	
321	28	11/28/2022	39	T1	17	27	0	0	24	23	
322	28	11/28/2022	40	T10	6	2	0	0	28	28	
323	28	11/28/2022	41	T5	0	0	0	0	25	24	
324	28	11/28/2022	42	T3	0	0	0	0	20.5	26.5	
325	28	11/28/2022	43	T1	19	39	0	0	25.5	33	

TAB NAME: ProductQuantitiesDetermination

PR	Product	Adjuvant	Treatment	From Protocol		For Experiment/Ordering					COPY DATA TO BELOW	
				Amount Added	Total Amount	Unit	Per 1L	Per 2L	Per 3L	Per 4L		Per 5L
				Pound(s) 5	Gallon(s) 100	Pound(s) Gram(s)	0.01 5.99	0.03 11.98	0.04 17.98	0.05 23.97	0.07 29.96	
				Quart(s) 2	Gallon(s) 100	Quart(s) mL(s)	0.01 5.00	0.01 10.00	0.02 15.00	0.02 20.00	0.03 25.00	
	ISM 555	Capsil	Foliar	Fluid Ounce(es) 3.84	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.01 0.30 300.03	0.02 0.60 600.06	0.03 0.90 900.10	0.04 1.20 1200.13	0.05 1.50 1500.16	
				Gallon(s) 4	Gallon(s) 100	Quart(s) mL(s)	0.04 40.00	0.08 80.00	0.13 120.00	0.17 160.00	0.21 200.00	

	ISM 555	Capsil	Foliar	Fluid Ounce(es) 3.84	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.01 0.30 300.03	0.02 0.60 600.06	0.03 0.90 900.10	0.04 1.20 1200.13	0.05 1.50 1500.16	
	ISM 555	Capsil	Foliar	Fluid Ounce(es) 5.76	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.02 0.45 450.05	0.03 0.90 900.10	0.05 1.35 1350.14	0.06 1.80 1800.19	0.08 2.25 2250.24	
	MBI-203 SC2		Foliar	Fluid Ounce(es) 128	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.34 10.00 10001.06	0.68 20.00 20002.12	1.01 30.00 30003.17	1.35 40.00 40004.23	1.69 50.01 50005.29	
	MBI-306		Foliar	Fluid Ounce(es) 20	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.05 1.56 1562.67	0.11 3.13 3125.33	0.16 4.69 4688.00	0.21 6.25 6250.66	0.26 7.81 7813.33	
	SP3014	Capsil	Foliar	Fluid Ounce(es) 13	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.03 1.02 1015.73	0.07 2.03 2031.46	0.10 3.05 3047.20	0.14 4.06 4062.93	0.17 5.08 5078.66	
	SP3014	Capsil	Foliar	Fluid Ounce(es) 26	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.07 2.03 2031.46	0.14 4.06 4062.93	0.21 6.09 6094.39	0.27 8.13 8125.86	0.34 10.16 10157.32	
	TetraCURB Max		Foliar	Fluid Ounce(es) 128	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.34 10.00 10001.06	0.68 20.00 20002.12	1.01 30.00 30003.17	1.35 40.00 40004.23	1.69 50.01 50005.29	
	V-10433		Foliar	Fluid Ounce(es) 11	Gallon(s) 100	Fluid Ounce(es) mL(s) uL(s)	0.03 0.86 859.47	0.06 1.72 1718.93	0.09 2.58 2578.40	0.12 3.44 3437.86	0.15 4.30 4297.33	

TAB NAME:

Treatment #	Color	Product	Amount/L	Unit	Adjuvant	Adjuvant Amount/L	Unit	Foliar/Drench	Applicat													
									DAT 0	DAT 3	DAT 7	DAT 10	DAT 14	DAT 0	DAT 3	DAT 7	DAT 10	DAT 14	DAT 28			
1	Orange	NA	NA	NA				Foliar	X					X	X	X	X	X	X	X	X	X
2	Yellow	BotaniGard Maxx	2.5	mL				Foliar	X					X	X	X	X	X	X	X	X	X
3	Green	ISM-555	300	uL	Capsil	500	uL	Foliar	X	X			X	X	X	X	X	X	X	X	X	X
4	Blue	ISM-555	450	uL	Capsil	500	uL	Foliar	X	X			X	X	X	X	X	X	X	X	X	X
5	Pink	MBI 203 SC2	10	mL				Foliar	X	X			X	X	X	X	X	X	X	X	X	X
6	Green/Orange	MBI 306	1.56	mL				Foliar	X	X			X	X	X	X	X	X	X	X	X	X
7	Blue/Yellow	SP3014	1.02	mL	Capsil	500	uL	Foliar	X	X			X	X	X	X	X	X	X	X	X	X
8	Pink/Green	SP3014	2.03	mL	Capsil	500	uL	Foliar	X	X			X	X	X	X	X	X	X	X	X	X
9	Orange/Blue	TetraCURB Max	10	mL				Foliar	X	X			X	X	X	X	X	X	X	X	X	X
10	Yellow/Pink	V-10433	0.86	mL				Foliar	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
0	1	Orange	NA	NA	NA

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
0	2	Yellow	BotaniGard	2.50	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
0	3	Green	ISM-555	300.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
0	4	Blue	ISM-555	450.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
0	5	Pink	MBI 203 SC2	10.00	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
0	6	Green/Orange	MBI 306	1.56	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
0	7	Blue/Yellow	SP3014	1.02	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
0	8	Pink/Green	SP3014	2.03	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
0	9	Orange/Blue	TetraCURB	10.00	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
0	10	Yellow/Pink	V-10433	860.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
3	10	Yellow/Pink	V-10433	860.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
7	3	Green	ISM-555	300.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
7	4	Blue	ISM-555	450.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
7	5	Pink	MBI 203 SC2	10.00	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
7	6	Green/Orange	MBI 306	1.56	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
7	7	Blue/Yellow	SP3014	1.02	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
7	8	Pink/Green	SP3014	2.03	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
7	9	Orange/Blue	TetraCURB	10.00	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
7	10	Yellow/Pink	V-10433	860.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
10	10	Yellow/Pink	V-10433	860.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
14	3	Green	ISM-555	300.00	uL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL

14	4	Blue	ISM-555	450.00	uL
----	---	------	---------	--------	----

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
14	5	Pink	MBI 203 SC2	10.00	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
14	6	Green/Orange	MBI 306	1.56	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
14	7	Blue/Yellow	SP3014	1.02	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
			Capsil	500	uL
14	8	Pink/Green	SP3014	2.03	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
14	9	Orange/Blue	TetraCURB	10.00	mL

Date:

DAT	Trtmnt	Color	Product	Amount Per 1L	Unit
14	10	Yellow/Pink	V-10433	860.00	uL

TAB NAME: ForReport

Action	Days After First Spray Application																	
	-42	-35	-26	-19	-18	-17	-16	-15	-14	-13	-12	-11	-5	0	3	7	14	28
Application														X	X	X	X	X
Thrips Counts														X	X	X	X	X
Infestation				X								X	X					
Morphometrics														X				X
Phytoxicity															X	X	X	X
Plants received	X																	
Release Predatory Mites			X															
Transplanted		X																
(blank)																		
Grand Total																		

Trt #	Product	Amount/L	Unit	Foliar/Drench	Application					Evaluation					
					0	3	7	10	14	0	3	7	10	14	28
1	NA	NA	NA	Foliar	X					X	X	X	X	X	X
2	BotaniGard Maxx	2.5	mL	Foliar	X					X	X	X	X	X	X
3	ISM-555 Low w/Capsil @ 0.05%	300	uL	Foliar	X		X		X	X	X	X	X	X	X
4	ISM-555 High w/Capsil @ 0.05%	450	uL	Foliar	X		X		X	X	X	X	X	X	X
5	MBI 203 SC2	10	mL	Foliar	X		X		X	X	X	X	X	X	X
6	MBI 306	1.56	mL	Foliar	X		X		X	X	X	X	X	X	X
7	SP3014 Low W/Capsil @ 0.05%	1.02	mL	Foliar	X		X		X	X	X	X	X	X	X
8	SP3014 High W/Capsil @ 0.05%	2.03	mL	Foliar	X		X		X	X	X	X	X	X	X
9	TetraCURB Max	10	mL	Foliar	X		X		X	X	X	X	X	X	X
10	V-10433	0.86	mL	Foliar	X	X	X	X	X	X	X	X	X	X	X

TAB NAME: Dates

Date	DAT	Action
9/20/2022	-42	Plants received
9/21/2022	-41	
9/22/2022	-40	
9/23/2022	-39	
9/24/2022	-38	
9/25/2022	-37	
9/26/2022	-36	
9/27/2022	-35	Transplanted
9/28/2022	-34	
9/29/2022	-33	
9/30/2022	-32	
10/1/2022	-31	
10/2/2022	-30	
10/3/2022	-29	
10/4/2022	-28	
10/5/2022	-27	
10/6/2022	-26	Release Predatory Mites
10/7/2022	-25	
10/8/2022	-24	
10/9/2022	-23	
10/10/2022	-22	
10/11/2022	-21	
10/12/2022	-20	
10/13/2022	-19	Infestation
10/14/2022	-18	
10/15/2022	-17	
10/16/2022	-16	
10/17/2022	-15	
10/18/2022	-14	
10/19/2022	-13	
10/20/2022	-12	
10/21/2022	-11	Infestation
10/22/2022	-10	
10/23/2022	-9	
10/24/2022	-8	
10/25/2022	-7	
10/26/2022	-6	
10/27/2022	-5	Infestation
10/28/2022	-4	
10/29/2022	-3	
10/30/2022	-2	

10/31/2022	-1
11/1/2022	0 Application
11/1/2022	0 Evaluation
11/1/2022	0 Morphometrics
11/2/2022	1
11/3/2022	2
11/4/2022	3 Application
11/4/2022	3 Evaluation
11/4/2022	3 Phytotoxicity
11/5/2022	4
11/6/2022	5
11/7/2022	6
11/8/2022	7 Application
11/8/2022	7 Evaluation
11/8/2022	7 Phytotoxicity
11/9/2022	8
11/10/2022	9
11/11/2022	10
11/12/2022	11
11/13/2022	12
11/14/2022	13
11/15/2022	14 Application
11/15/2022	14 Evaluation
11/15/2022	14 Phytotoxicity
11/16/2022	15
11/17/2022	16
11/18/2022	17
11/19/2022	18
11/20/2022	19
11/21/2022	20
11/22/2022	21
11/23/2022	22
11/24/2022	23
11/25/2022	24
11/26/2022	25
11/27/2022	26
11/28/2022	27
11/29/2022	28 Application
11/29/2022	28 Evaluation
11/29/2022	28 Phytotoxicity
11/29/2022	28 Morphometrics

TAB NAME: Assignment

Input damage assessment. Input treatment numbers starting from treatment 1 to the final treatment number and repeat until all plants are assigned. For example, if there are 3 treatments, then cell C5 = 1, C6 = 2, C7 = 3, C8 = 1, C9 = 2 etc.

Cage/Plant #	Damage Assessment	Treatment #
1	1	1
2	1	2
3	2	3
4	2	4
5	1	5
6	1	6
7	1	7
8	1	8
9	2	9
10	2	10
11	2	11
12	1	1
13	1	2
14	2	3
15	1	4
16	1	5
17	1	6
18	2	7
19	1	8
20	2	9
21	1	10
22	1	11
23	1	1
24	1	2
25	1	3
26	1	4
27	2	5
28	3	6
29	2	7
30	1	8
31	2	9
32	1	10
33	2	11
34	2	1
35	2	2
36	1	3
37	2	4
38	1	5
39	2	6
40	2	7
41	3	8
42	2	9
43	2	10
44	1	11
45	2	1
46	2	2
47	1	3
48	2	4
49	1	5
50	2	6
51	2	7
52	2	8
53	2	9
54	2	10
55	1	11
56	1	1
57	2	2
58	2	3
59	1	4
60	1	5
61	1	6
62	3	7
63	2	8

Verify each treatment has the same number of replicates

Treatment #	Replicates
Treatment 1	7
Treatment 2	7
Treatment 3	7
Treatment 4	7
Treatment 5	7
Treatment 6	7
Treatment 7	7
Treatment 8	7
Treatment 9	7
Treatment 10	7
Treatment 11	7

Copy damage assessment, Cage/Plant #, and Treatment # from columns A-C. Sort ONLY Damage Assessment and Cage/Plant # (columns H and I) by Damage Assessment (column H)

Damage Assessment	Cage/Plant #	Treatment #
1	1	1
1	2	2
1	5	3
1	6	4
1	7	5
1	8	6
1	12	7
1	13	8
1	15	9
1	16	10
1	17	11
1	19	1
1	21	2
1	22	3
1	23	4
1	24	5
1	25	6
1	26	7
1	30	8
1	32	9
1	36	10
1	38	11
1	44	1
1	47	2
1	49	3
1	55	4
1	56	5
1	59	6
1	60	7
1	61	8
1	64	9
1	68	10
1	70	11
1	72	1
1	73	2
1	75	3
1	77	4
2	3	5
2	4	6
2	9	7
2	10	8
2	11	9
2	14	10
2	18	11
2	20	1
2	27	2
2	29	3
2	31	4
2	33	5
2	34	6
2	35	7
2	37	8
2	39	9
2	40	10
2	42	11
2	43	1
2	45	2
2	46	3
2	48	4
2	50	5
2	51	6
2	52	7
2	53	8

Copy columns H-J to M-O. Then sort each of the damage assessments by column L for columns L-O. For example, if column M rows 6-30 are "1", sort columns L-O rows 6-30 based off column L. Repeat for the appropriate rows for assessments "2" and "3".

Random	Damage Assessment (1-3)	Cage/Plant #	Treatment
6154	1	13	9
3488	1	2	1
4998	1	59	9
565	1	25	7
2235	1	77	8
5143	1	56	11
9347	1	17	1
792	1	60	11
693	1	32	5
9867	1	23	3
8974	1	1	7
9280	1	12	9
4237	1	8	3
7915	1	68	6
3865	1	16	5
5961	1	72	6
1109	1	73	5
4543	1	47	10
2379	1	38	4
4171	1	7	1
1454	1	61	4
5375	1	21	7
4609	1	24	1
9541	1	26	4
9535	1	19	3
405	1	15	2
4021	1	75	8
6459	1	6	11
4021	1	30	2
3251	1	5	4
6000	1	55	10
1357	1	64	6
6568	1	49	8
3205	1	22	2
7419	1	36	3
7787	1	70	2
4158	1	44	10
2945	2	3	6
5965	2	37	8
1738	2	40	5
6724	2	31	3
3287	3	28	10
9297	2	58	10
7171	2	43	6
4282	2	67	5
3040	2	18	8
3246	2	53	9
392	2	42	9
8387	2	9	3
1242	2	4	10
3676	2	14	4
1493	2	69	9
3392	3	62	7
1364	2	29	11
8641	2	71	2
4863	2	34	11
9574	2	52	5
7826	2	35	4
6825	2	63	7
1286	2	39	1
1592	3	76	11
9071	2	45	9
2417	2	48	4

Copy L-O and paste values only (right click and paste special then values). This is what will be used.

Plant #	Treatment	Damage Assessment (1-3)	Treatment #	Color
			1	Orange
			2	Yellow
			3	Green
			4	Blue
			5	Pink
			6	Green/Orange
			7	Blue/Yellow
			8	Pink/Green
			9	Orange/Blue
			10	Yellow/Pink
			11	White
16	1			
27	1			
37	1			
39	1			
43	1			
56	1			
60	1			
8	2			
32	2			
35	2			
46	2			
57	2			
61	2			
66	2			
10	3			
13	3			
21	3			
42	3			
52	3			
63	3			
69	3			
12	4			
22	4			
38	4			
47	4			
58	4			
59	4			
70	4			
4	5			
17	5			
19	5			
33	5			
34	5			
36	5			
41	5			
3	6			
20	6			
23	6			
49	6			
54	6			
64	6			
68	6			
5	7			
6	7			
24	7			
31	7			
44	7			
55	7			
67	7			
1	8			
2	8			
7	8			
28	8			
29	8			
53	8			
65	8			
9	9			
15	9			
18	9			
45	9			
48	9			
50	9			
51	9			

1 8
2 8
3 6
4 5
5 7
6 7
7 8
8 2
9 9
10 3
11 10
12 4
13 3
14 10
15 9
16 1
17 5
18 9
19 5
20 6
21 3
22 4
23 6
24 7
25 10
26 10
27 1
28 8
29 8
30 10
31 7
32 2
33 5
34 5
35 2
36 5
37 1
38 4
39 1
40 10
41 5
42 3
43 1
44 7
45 9
46 2
47 4
48 9
49 6
50 9
51 9
52 3
53 8
54 6
55 7
56 1
57 2
58 4
59 4
60 1
61 2
62 10
63 3
64 6
65 8
66 2
67 7

TAB NAME: HoboData

Date-Time (PST/PDT)	Ch: 1 - Temp	Ch: 2 - RH (%)	Dew Point (-∞C)	Host Connected	End of File
9/20/2022 0:00	18.21	87.41	16.1		
9/20/2022 0:30	18.15	87.45	16.06		
9/20/2022 1:00	18.28	88.24	16.33		
9/20/2022 1:30	18.2	87.34	16.08		
9/20/2022 2:00	17.9	87.32	15.78		
9/20/2022 2:30	17.66	87.25	15.54		
9/20/2022 3:00	17.63	88.12	15.66		
9/20/2022 3:30	17.9	88.48	15.99		
9/20/2022 4:00	18.02	88.24	16.06		
9/20/2022 4:30	17.84	87.74	15.8		
9/20/2022 5:00	17.75	88.36	15.82		
9/20/2022 5:30	17.91	88.62	16.02		
9/20/2022 6:00	17.95	88.21	15.99		
9/20/2022 6:30	17.56	87.93	15.56		
9/20/2022 7:00	17.38	88.17	15.42		
9/20/2022 7:30	17.52	88.15	15.56		
9/20/2022 8:00	18.22	87.62	16.15		
9/20/2022 8:30	19.39	86.85	17.16		
9/20/2022 9:00	20.98	84.18	18.23		
9/20/2022 9:30	23.29	78.61	19.39		
9/20/2022 10:00	22.06	72.8	16.97		
9/20/2022 10:30	23.45	70	17.69		
9/20/2022 11:00	24.03	67.68	17.71		
9/20/2022 11:30	23.38	70	17.62		
9/20/2022 12:00	23.37	70.41	17.7		
9/20/2022 12:30	24	68.72	17.92		
9/20/2022 13:00	25.46	65.52	18.55		
9/20/2022 13:30	24.14	67.32	17.73		
9/20/2022 14:00	24.82	65.89	18.03		
9/20/2022 14:30	26.89	61.37	18.85		
9/20/2022 15:00	26.34	61.85	18.46		
9/20/2022 15:30	26.01	62.99	18.44		
9/20/2022 16:00	29.53	53.29	19.06		
9/20/2022 16:30	31.18	47.18	18.61		
9/20/2022 17:00	29.7	49.3	17.96		
9/20/2022 17:30	28.92	50.79	17.72		
9/20/2022 18:00	23.79	65.18	16.88		
9/20/2022 18:30	20.28	75.54	15.84		
9/20/2022 19:00	20.31	78.73	16.52		
9/20/2022 19:30	20.36	79.45	16.71		
9/20/2022 20:00	19.86	80.53	16.43		
9/20/2022 20:30	19.45	81.7	16.26		
9/20/2022 21:00	19.03	82.39	15.99		
9/20/2022 21:30	18.65	82.98	15.72		
9/20/2022 22:00	18.35	83.55	15.53		
9/20/2022 22:30	18	83.97	15.28		
9/20/2022 23:00	17.81	84.45	15.17		
9/20/2022 23:30	17.54	84.52	14.92		
9/21/2022 0:00	17.5	85.41	15.05		
9/21/2022 0:30	17.85	86.35	15.56		
9/21/2022 1:00	18.11	86.43	15.83		
9/21/2022 1:30	18.19	86.36	15.89		
9/21/2022 2:00	18.02	86.01	15.66		
9/21/2022 2:30	17.84	86.37	15.56		
9/21/2022 3:00	17.89	86.92	15.7		
9/21/2022 3:30	17.85	86.97	15.68		
9/21/2022 4:00	17.89	87.42	15.79		
9/21/2022 4:30	18.03	87.62	15.96		
9/21/2022 5:00	17.84	87.1	15.69		
9/21/2022 5:30	17.75	87.36	15.64		
9/21/2022 6:00	17.69	87.67	15.64		

9/21/2022 6:30	17.63	88.19	15.67
9/21/2022 7:00	17.22	87.59	15.16
9/21/2022 7:30	17.33	88.78	15.48
9/21/2022 8:00	17.64	88.57	15.75
9/21/2022 8:30	17.9	88.27	15.95
9/21/2022 9:00	18.19	86.49	15.92
9/21/2022 9:30	18.57	84.52	15.93
9/21/2022 10:00	19.45	84.32	16.76
9/21/2022 10:30	20.16	76.82	15.98
9/21/2022 11:00	20.69	78.4	16.82
9/21/2022 11:30	21.24	80.46	17.77
9/21/2022 12:00	21.55	80.57	18.09
9/21/2022 12:30	23.43	76.46	19.08
9/21/2022 13:00	26.57	64.52	19.36
9/21/2022 13:30	27.69	60.46	19.36
9/21/2022 14:00	28.39	57.85	19.31
9/21/2022 14:30	28.37	55.93	18.75
9/21/2022 15:00	27.64	56.83	18.32
9/21/2022 15:30	25.01	61.59	17.14
9/21/2022 16:00	26.99	57.41	17.88
9/21/2022 16:30	28.11	54.8	18.18
9/21/2022 17:00	27.66	55.26	17.89
9/21/2022 17:30	27.08	56.23	17.63
9/21/2022 18:00	24.63	62.11	16.92
9/21/2022 18:30	21.98	69.88	16.26
9/21/2022 19:00	20.24	77.26	16.15
9/21/2022 19:30	20.14	79.64	16.53
9/21/2022 20:00	20.37	79.64	16.76
9/21/2022 20:30	20.13	80.76	16.74
9/21/2022 21:00	19.67	81.75	16.48
9/21/2022 21:30	19.24	82.98	16.3
9/21/2022 22:00	18.93	83.57	16.1
9/21/2022 22:30	18.61	83.85	15.84
9/21/2022 23:00	18.27	84.05	15.55
9/21/2022 23:30	17.94	84.39	15.29
9/22/2022 0:00	17.68	84.71	15.1
9/22/2022 0:30	17.47	85.16	14.97
9/22/2022 1:00	17.24	85.21	14.76
9/22/2022 1:30	17.03	85.83	14.66
9/22/2022 2:00	16.84	85.7	14.44
9/22/2022 2:30	16.57	85.62	14.17
9/22/2022 3:00	16.36	85.84	14.01
9/22/2022 3:30	16.21	85.88	13.87
9/22/2022 4:00	16.02	85.99	13.7
9/22/2022 4:30	15.8	86.38	13.54
9/22/2022 5:00	15.68	86.54	13.46
9/22/2022 5:30	15.52	86.86	13.35
9/22/2022 6:00	15.44	87.05	13.31
9/22/2022 6:30	15.28	87.08	13.16
9/22/2022 7:00	15.19	86.91	13.05
9/22/2022 7:30	15.56	87.07	13.43
9/22/2022 8:00	17.01	85.44	14.57
9/22/2022 8:30	18.93	81.67	15.74
9/22/2022 9:00	20.71	78.94	16.94
9/22/2022 9:30	22.82	72.96	17.74
9/22/2022 10:00	22.67	69.01	16.72
9/22/2022 10:30	23.34	67.2	16.93
9/22/2022 11:00	24.59	65.07	17.61
9/22/2022 11:30	25.66	62.97	18.11
9/22/2022 12:00	26.76	60.53	18.51
9/22/2022 12:30	27.69	58.53	18.84
9/22/2022 13:00	28.2	56.87	18.86
9/22/2022 13:30	28.59	56.57	19.14

9/22/2022 14:00	29	55.29	19.15
9/22/2022 14:30	28.89	54.76	18.89
9/22/2022 15:00	28.09	56.33	18.6
9/22/2022 15:30	29.57	49.72	17.98
9/22/2022 16:00	32.57	43.29	18.49
9/22/2022 16:30	33.27	42.79	18.93
9/22/2022 17:00	29.92	49.46	18.22
9/22/2022 17:30	27.64	54.44	17.64
9/22/2022 18:00	25.22	59.54	16.8
9/22/2022 18:30	22.7	66.62	16.19
9/22/2022 19:00	20.51	73.37	15.61
9/22/2022 19:30	19.47	76.5	15.25
9/22/2022 20:00	20.22	76.5	15.98
9/22/2022 20:30	20	77.72	16.01
9/22/2022 21:00	19.48	79.04	15.77
9/22/2022 21:30	19.08	80.1	15.59
9/22/2022 22:00	18.7	80.67	15.33
9/22/2022 22:30	18.26	81.08	14.98
9/22/2022 23:00	17.94	81.54	14.75
9/22/2022 23:30	17.66	82.01	14.57
9/23/2022 0:00	17.41	82.39	14.4
9/23/2022 0:30	17.21	82.95	14.31
9/23/2022 1:00	17.01	82.89	14.1
9/23/2022 1:30	16.77	83.19	13.92
9/23/2022 2:00	16.55	83.44	13.75
9/23/2022 2:30	16.37	83.6	13.61
9/23/2022 3:00	16.16	83.89	13.45
9/23/2022 3:30	15.99	83.9	13.29
9/23/2022 4:00	15.86	84.17	13.21
9/23/2022 4:30	15.63	84.52	13.05
9/23/2022 5:00	15.53	84.81	13
9/23/2022 5:30	15.36	85.07	12.88
9/23/2022 6:00	15.18	85.17	12.73
9/23/2022 6:30	15.04	85.42	12.63
9/23/2022 7:00	14.95	85.29	12.52
9/23/2022 7:30	15.26	85.39	12.84
9/23/2022 8:00	16.84	84.02	14.14
9/23/2022 8:30	18.95	80.71	15.58
9/23/2022 9:00	20.85	78.23	16.94
9/23/2022 9:30	23.18	72.04	17.89
9/23/2022 10:00	23	68.42	16.9
9/23/2022 10:30	23.97	66.89	17.46
9/23/2022 11:00	25.49	63.95	18.19
9/23/2022 11:30	26.77	61.53	18.78
9/23/2022 12:00	28.17	58.28	19.23
9/23/2022 12:30	29.11	57.01	19.74
9/23/2022 13:00	29.41	54.99	19.44
9/23/2022 13:30	29.97	54.02	19.68
9/23/2022 14:00	30.57	52.46	19.76
9/23/2022 14:30	30.91	51.41	19.74
9/23/2022 15:00	30.09	52.91	19.46
9/23/2022 15:30	29.87	53.36	19.38
9/23/2022 16:00	31.05	50.87	19.7
9/23/2022 16:30	31.6	49.76	19.85
9/23/2022 17:00	29.71	53.93	19.41
9/23/2022 17:30	29.44	54.08	19.2
9/23/2022 18:00	26.72	59.72	18.26
9/23/2022 18:30	24.15	66.78	17.61
9/23/2022 19:00	22.18	73.9	17.32
9/23/2022 19:30	20.83	78.3	16.93
9/23/2022 20:00	20	82.13	16.88
9/23/2022 20:30	19.8	81.56	16.57
9/23/2022 21:00	20.14	80.08	16.62

9/23/2022 21:30	19.99	80.82	16.62
9/23/2022 22:00	19.68	81.5	16.44
9/23/2022 22:30	19.41	81.88	16.26
9/23/2022 23:00	19.13	82.09	16.02
9/23/2022 23:30	18.81	82.37	15.76
9/24/2022 0:00	18.5	82.56	15.49
9/24/2022 0:30	18.23	83.02	15.32
9/24/2022 1:00	17.97	83.21	15.1
9/24/2022 1:30	17.83	83.51	15.02
9/24/2022 2:00	17.6	83.45	14.78
9/24/2022 2:30	17.34	83.49	14.53
9/24/2022 3:00	17.06	83.59	14.28
9/24/2022 3:30	16.81	83.78	14.07
9/24/2022 4:00	16.63	84.02	13.94
9/24/2022 4:30	16.41	84.41	13.79
9/24/2022 5:00	16.19	84.62	13.62
9/24/2022 5:30	15.97	84.68	13.41
9/24/2022 6:00	15.75	84.64	13.19
9/24/2022 6:30	15.44	84.62	12.88
9/24/2022 7:00	15.23	84.79	12.7
9/24/2022 7:30	15.51	85	13.01
9/24/2022 8:00	17.04	83.85	14.31
9/24/2022 8:30	19.23	80.89	15.89
9/24/2022 9:00	21.44	78.48	17.56
9/24/2022 9:30	23.66	73.18	18.59
9/24/2022 10:00	23.86	69.26	17.91
9/24/2022 10:30	25.25	65.21	18.28
9/24/2022 11:00	26.84	61.49	18.84
9/24/2022 11:30	28.21	58.01	19.19
9/24/2022 12:00	29.29	56.23	19.69
9/24/2022 12:30	30.27	54.5	20.1
9/24/2022 13:00	30.96	53.43	20.41
9/24/2022 13:30	31.44	52.01	20.42
9/24/2022 14:00	31.86	51.67	20.7
9/24/2022 14:30	32.39	49.13	20.37
9/24/2022 15:00	31.64	49.4	19.77
9/24/2022 15:30	31.05	48.13	18.81
9/24/2022 16:00	32.37	45.98	19.28
9/24/2022 16:30	32.53	45.55	19.27
9/24/2022 17:00	30.2	49.35	18.43
9/24/2022 17:30	29.87	50.85	18.61
9/24/2022 18:00	27.04	55.14	17.28
9/24/2022 18:30	24.58	64.45	17.45
9/24/2022 19:00	22.75	70.38	17.1
9/24/2022 19:30	21.25	74.76	16.62
9/24/2022 20:00	20.34	78.39	16.48
9/24/2022 20:30	19.88	80.99	16.54
9/24/2022 21:00	19.99	80.36	16.53
9/24/2022 21:30	20.4	78.71	16.6
9/24/2022 22:00	20.14	79.68	16.54
9/24/2022 22:30	19.83	80.4	16.38
9/24/2022 23:00	19.45	80.87	16.1
9/24/2022 23:30	19.1	81.2	15.82
9/25/2022 0:00	18.77	81.53	15.56
9/25/2022 0:30	18.46	81.89	15.33
9/25/2022 1:00	18.11	82.21	15.05
9/25/2022 1:30	17.93	82.45	14.92
9/25/2022 2:00	17.73	82.68	14.76
9/25/2022 2:30	17.47	82.76	14.52
9/25/2022 3:00	17.31	83.05	14.42
9/25/2022 3:30	17.07	83.36	14.25
9/25/2022 4:00	16.9	83.53	14.11
9/25/2022 4:30	16.72	84.13	14.04

9/25/2022 5:00	16.56	84.46	13.95
9/25/2022 5:30	16.36	84.46	13.76
9/25/2022 6:00	16.19	84.62	13.62
9/25/2022 6:30	16.08	84.71	13.53
9/25/2022 7:00	15.99	85.03	13.49
9/25/2022 7:30	16.36	85.26	13.9
9/25/2022 8:00	17.89	83.89	15.14
9/25/2022 8:30	19.98	80.81	16.6
9/25/2022 9:00	22.14	77.69	18.09
9/25/2022 9:30	22.97	68.91	16.98
9/25/2022 10:00	23.21	67.71	16.93
9/25/2022 10:30	24.88	64.85	17.83
9/25/2022 11:00	26.98	61.2	18.89
9/25/2022 11:30	28.26	57.99	19.23
9/25/2022 12:00	29.37	55.18	19.47
9/25/2022 12:30	30.25	53.92	19.91
9/25/2022 13:00	31.02	51.51	19.88
9/25/2022 13:30	31.64	49.74	19.88
9/25/2022 14:00	31.76	48.51	19.59
9/25/2022 14:30	32.07	47.85	19.64
9/25/2022 15:00	31.66	47.46	19.14
9/25/2022 15:30	31.16	47.51	18.71
9/25/2022 16:00	32.68	45.31	19.32
9/25/2022 16:30	33.14	45.87	19.94
9/25/2022 17:00	31.57	52.4	20.66
9/25/2022 17:30	31.59	51.79	20.49
9/25/2022 18:00	28.26	57.17	19
9/25/2022 18:30	25.1	65.14	18.12
9/25/2022 19:00	23.44	72.08	18.14
9/25/2022 19:30	22.73	77.21	18.56
9/25/2022 20:00	22.13	79.33	18.41
9/25/2022 20:30	21.45	80.69	18.01
9/25/2022 21:00	20.83	81.91	17.64
9/25/2022 21:30	20.21	82.66	17.19
9/25/2022 22:00	19.7	83.15	16.78
9/25/2022 22:30	20.48	80.86	17.1
9/25/2022 23:00	20.54	79.41	16.87
9/25/2022 23:30	20.29	79.28	16.61
9/26/2022 0:00	19.96	79.33	16.29
9/26/2022 0:30	19.59	79.31	15.93
9/26/2022 1:00	19.25	79.94	15.72
9/26/2022 1:30	18.83	80.41	15.41
9/26/2022 2:00	18.44	80.93	15.13
9/26/2022 2:30	18.09	81.7	14.93
9/26/2022 3:00	17.83	82.15	14.77
9/26/2022 3:30	17.5	82.39	14.49
9/26/2022 4:00	17.29	82.87	14.37
9/26/2022 4:30	16.98	83.16	14.12
9/26/2022 5:00	16.79	83.68	14.03
9/26/2022 5:30	16.64	83.53	13.86
9/26/2022 6:00	16.46	83.9	13.75
9/26/2022 6:30	16.27	84.32	13.64
9/26/2022 7:00	16.14	84.47	13.54
9/26/2022 7:30	16.41	84.55	13.82
9/26/2022 8:00	17.7	83.44	14.88
9/26/2022 8:30	19.57	80.04	16.05
9/26/2022 9:00	21.43	76.76	17.2
9/26/2022 9:30	23.46	73.63	18.51
9/26/2022 10:00	23.08	70.2	17.38
9/26/2022 10:30	24.43	68	18.16
9/26/2022 11:00	26.24	63.39	18.76
9/26/2022 11:30	27.58	60.63	19.31
9/26/2022 12:00	28.93	58.16	19.91

9/26/2022 12:30	30.09	56.2	20.43
9/26/2022 13:00	31.19	55.09	21.12
9/26/2022 13:30	32.18	52.45	21.24
9/26/2022 14:00	32.68	52.63	21.75
9/26/2022 14:30	33.31	50.64	21.7
9/26/2022 15:00	32.96	52.3	21.91
9/26/2022 15:30	33.8	50.31	22.05
9/26/2022 16:00	35.23	49.3	23.02
9/26/2022 16:30	35.57	45.68	22.07
9/26/2022 17:00	33.71	45.78	20.42
9/26/2022 17:30	34.37	42.25	19.72
9/26/2022 18:00	29.32	56.49	19.8
9/26/2022 18:30	25.3	68.31	19.06
9/26/2022 19:00	23.18	74.58	18.44
9/26/2022 19:30	21.78	77.37	17.67
9/26/2022 20:00	20.66	79.18	16.95
9/26/2022 20:30	19.88	80.47	16.44
9/26/2022 21:00	19.5	80.74	16.12
9/26/2022 21:30	20.14	79	16.4
9/26/2022 22:00	19.96	79.3	16.29
9/26/2022 22:30	19.54	79.45	15.91
9/26/2022 23:00	18.93	78.73	15.17
9/26/2022 23:30	18.41	78.83	14.69
9/27/2022 0:00	17.84	79.48	14.26
9/27/2022 0:30	17.4	79.35	13.81
9/27/2022 1:00	17.06	80.16	13.63
9/27/2022 1:30	16.73	80.98	13.47
9/27/2022 2:00	16.42	81.36	13.23
9/27/2022 2:30	16.18	81.69	13.07
9/27/2022 3:00	15.91	81.83	12.83
9/27/2022 3:30	15.62	81.88	12.56
9/27/2022 4:00	15.33	81.76	12.25
9/27/2022 4:30	15.01	82.29	12.03
9/27/2022 5:00	14.75	82.73	11.86
9/27/2022 5:30	14.48	83.37	11.71
9/27/2022 6:00	14.24	83.24	11.45
9/27/2022 6:30	13.99	83.35	11.23
9/27/2022 7:00	13.74	83.14	10.94
9/27/2022 7:30	13.88	83.17	11.08
9/27/2022 8:00	15.04	81.01	11.83
9/27/2022 8:30	16.7	78.48	12.95
9/27/2022 9:00	18.66	75.68	14.3
9/27/2022 9:30	21.57	71.73	16.27
9/27/2022 10:00	23.12	65.53	16.33
9/27/2022 10:30	23.6	62.87	16.14
9/27/2022 11:00	25.1	61.61	17.23
9/27/2022 11:30	25.94	60.47	17.72
9/27/2022 12:00	27.1	58.44	18.27
9/27/2022 12:30	28.19	56.03	18.61
9/27/2022 13:00	28.77	54.79	18.79
9/27/2022 13:30	29.2	53.99	18.95
9/27/2022 14:00	29.8	52.63	19.1
9/27/2022 14:30	29.34	51.8	18.42
9/27/2022 15:00	29.47	51.73	18.52
9/27/2022 15:30	29.32	50.85	18.11
9/27/2022 16:00	30.38	47.96	18.15
9/27/2022 16:30	30.23	49.03	18.36
9/27/2022 17:00	28.71	51.65	17.79
9/27/2022 17:30	25.23	58.62	16.57
9/27/2022 18:00	23.86	64.34	16.74
9/27/2022 18:30	22.51	69.39	16.65
9/27/2022 19:00	20.91	74.8	16.29
9/27/2022 19:30	19.61	78.11	15.71

9/27/2022 20:00	19.94	77.84	15.97
9/27/2022 20:30	20.07	77.93	16.13
9/27/2022 21:00	19.75	76.79	15.58
9/27/2022 21:30	19.27	78.02	15.36
9/27/2022 22:00	18.71	78.88	14.99
9/27/2022 22:30	18.28	79.78	14.75
9/27/2022 23:00	17.85	79.96	14.37
9/27/2022 23:30	17.44	79.82	13.93
9/28/2022 0:00	17.07	80.72	13.75
9/28/2022 0:30	16.76	81.78	13.65
9/28/2022 1:00	16.56	81.86	13.46
9/28/2022 1:30	16.33	82.4	13.34
9/28/2022 2:00	16.05	82.41	13.07
9/28/2022 2:30	15.84	82.99	12.97
9/28/2022 3:00	15.68	83.13	12.84
9/28/2022 3:30	15.4	83.44	12.62
9/28/2022 4:00	15.25	83.89	12.56
9/28/2022 4:30	15.13	84.44	12.54
9/28/2022 5:00	15.02	84.45	12.44
9/28/2022 5:30	14.97	84.68	12.43
9/28/2022 6:00	14.78	84.62	12.23
9/28/2022 6:30	14.6	84.56	12.05
9/28/2022 7:00	14.38	84.58	11.83
9/28/2022 7:30	14.68	85.14	12.23
9/28/2022 8:00	15.9	83.04	13.04
9/28/2022 8:30	17.69	79.86	14.19
9/28/2022 9:00	19.67	73.04	14.72
9/28/2022 9:30	22.24	71.1	16.77
9/28/2022 10:00	22.72	67.83	16.49
9/28/2022 10:30	23.52	66.96	17.05
9/28/2022 11:00	24.82	64.06	17.58
9/28/2022 11:30	26.16	61.29	18.14
9/28/2022 12:00	27.54	58.56	18.71
9/28/2022 12:30	28.44	55.05	18.56
9/28/2022 13:00	29.13	53.42	18.72
9/28/2022 13:30	29.86	53.11	19.3
9/28/2022 14:00	30	50.83	18.72
9/28/2022 14:30	30.24	49.51	18.53
9/28/2022 15:00	29.87	48.95	18
9/28/2022 15:30	29.76	47.88	17.55
9/28/2022 16:00	31.1	46.68	18.37
9/28/2022 16:30	30.41	49.42	18.65
9/28/2022 17:00	29.19	51.91	18.32
9/28/2022 17:30	28.18	52.56	17.59
9/28/2022 18:00	25.77	62.85	18.18
9/28/2022 18:30	23.39	70.82	17.81
9/28/2022 19:00	21.87	76.93	17.66
9/28/2022 19:30	21.07	78.25	17.16
9/28/2022 20:00	20.64	78.48	16.79
9/28/2022 20:30	20.21	79.96	16.67
9/28/2022 21:00	19.85	81.3	16.57
9/28/2022 21:30	20.35	80.24	16.86
9/28/2022 22:00	20.53	79.92	16.96
9/28/2022 22:30	20.19	80.68	16.79
9/28/2022 23:00	19.82	81.45	16.57
9/28/2022 23:30	19.42	81.91	16.27
9/29/2022 0:00	18.91	82	15.79
9/29/2022 0:30	18.5	82.53	15.49
9/29/2022 1:00	18.12	82.54	15.12
9/29/2022 1:30	17.69	82.72	14.74
9/29/2022 2:00	17.35	83.33	14.52
9/29/2022 2:30	17.07	83.6	14.29
9/29/2022 3:00	16.9	83.75	14.15

9/29/2022 3:30	16.63	83.97	13.93
9/29/2022 4:00	16.34	83.69	13.59
9/29/2022 4:30	16.04	84.13	13.38
9/29/2022 5:00	15.77	83.87	13.07
9/29/2022 5:30	15.45	83.94	12.77
9/29/2022 6:00	15.17	83.9	12.49
9/29/2022 6:30	14.96	84.11	12.32
9/29/2022 7:00	14.79	84.62	12.24
9/29/2022 7:30	15.01	85.24	12.57
9/29/2022 8:00	16.39	84.61	13.8
9/29/2022 8:30	18.22	82.31	15.17
9/29/2022 9:00	20.04	81.23	16.75
9/29/2022 9:30	22.46	77.73	18.4
9/29/2022 10:00	22.84	73.58	17.9
9/29/2022 10:30	23.72	71.52	18.29
9/29/2022 11:00	25.23	68.99	19.16
9/29/2022 11:30	26.65	64.28	19.37
9/29/2022 12:00	27.9	61.18	19.76
9/29/2022 12:30	30.79	51.98	19.81
9/29/2022 13:00	31.5	53.23	20.85
9/29/2022 13:30	30.09	53.22	19.55
9/29/2022 14:00	29.51	52.87	18.91
9/29/2022 14:30	29.62	52.51	18.9
9/29/2022 15:00	28.95	53.92	18.71
9/29/2022 15:30	32.12	44.06	18.37
9/29/2022 16:00	31.81	44.15	18.12
9/29/2022 16:30	34.36	38.65	18.28
9/29/2022 17:00	31.19	48.29	18.99
9/29/2022 17:30	28.33	54.05	18.17
9/29/2022 18:00	25.13	62.21	17.41
9/29/2022 18:30	22.61	69.31	16.72
9/29/2022 19:00	20.87	75.28	16.35
9/29/2022 19:30	19.94	79.77	16.36
9/29/2022 20:00	19.72	80.49	16.29
9/29/2022 20:30	20.21	80.02	16.68
9/29/2022 21:00	20.05	80.05	16.53
9/29/2022 21:30	19.77	80.61	16.37
9/29/2022 22:00	19.38	80.79	16.01
9/29/2022 22:30	19	81.43	15.77
9/29/2022 23:00	18.52	81.5	15.31
9/29/2022 23:30	18.06	81.8	14.92
9/30/2022 0:00	17.72	82.31	14.68
9/30/2022 0:30	17.39	82.42	14.39
9/30/2022 1:00	17.09	82.7	14.14
9/30/2022 1:30	16.81	82.8	13.89
9/30/2022 2:00	16.45	82.78	13.53
9/30/2022 2:30	16.13	83.14	13.28
9/30/2022 3:00	15.91	83.29	13.1
9/30/2022 3:30	15.76	83.17	12.93
9/30/2022 4:00	15.65	83.02	12.79
9/30/2022 4:30	15.66	83.68	12.92
9/30/2022 5:00	15.56	83.38	12.77
9/30/2022 5:30	15.41	83.54	12.65
9/30/2022 6:00	15.25	83.86	12.55
9/30/2022 6:30	15.16	83.88	12.47
9/30/2022 7:00	14.88	83.92	12.21
9/30/2022 7:30	15	84.26	12.38
9/30/2022 8:00	16.26	83.12	13.4
9/30/2022 8:30	18.18	80.33	14.75
9/30/2022 9:00	20.24	77.66	16.23
9/30/2022 9:30	23.1	71.97	17.79
9/30/2022 10:00	23	64.7	16.02
9/30/2022 10:30	23.88	62.9	16.41

9/30/2022 11:00	25.21	59.32	16.74
9/30/2022 11:30	28.15	53.16	17.74
9/30/2022 12:00	30.07	50.16	18.58
9/30/2022 12:30	29.45	51.43	18.41
9/30/2022 13:00	29.02	52.55	18.35
9/30/2022 13:30	29.27	51.95	18.4
9/30/2022 14:00	29.8	50.75	18.52
9/30/2022 14:30	30.18	50.1	18.66
9/30/2022 15:00	29.41	51.96	18.53
9/30/2022 15:30	29.16	52.35	18.42
9/30/2022 16:00	30.62	49.28	18.79
9/30/2022 16:30	29.95	50.41	18.55
9/30/2022 17:00	28.63	51.56	17.7
9/30/2022 17:30	28.08	53.14	17.66
9/30/2022 18:00	25.1	59.8	16.76
9/30/2022 18:30	22.98	65.77	16.25
9/30/2022 19:00	21.22	72.65	16.14
9/30/2022 19:30	20.2	77.71	16.21
9/30/2022 20:00	19.48	79.11	15.79
9/30/2022 20:30	20.11	78.21	16.22
9/30/2022 21:00	20.06	78.99	16.33
9/30/2022 21:30	19.76	79.77	16.19
9/30/2022 22:00	19.4	80.59	16
9/30/2022 22:30	19.02	81.19	15.75
9/30/2022 23:00	18.67	81.28	15.42
9/30/2022 23:30	18.3	81.44	15.09
10/1/2022 0:00	17.91	81.7	14.75
10/1/2022 0:30	17.54	81.91	14.44
10/1/2022 1:00	17.21	82.5	14.22
10/1/2022 1:30	16.94	82.64	13.99
10/1/2022 2:00	16.73	83.04	13.85
10/1/2022 2:30	16.54	83.62	13.77
10/1/2022 3:00	16.34	83.82	13.62
10/1/2022 3:30	16.15	83.98	13.46
10/1/2022 4:00	15.97	84.1	13.3
10/1/2022 4:30	15.81	84.73	13.26
10/1/2022 5:00	15.53	84.85	13.01
10/1/2022 5:30	15.22	84.83	12.7
10/1/2022 6:00	14.97	85.15	12.51
10/1/2022 6:30	14.73	85.19	12.29
10/1/2022 7:00	14.5	85.12	12.04
10/1/2022 7:30	14.49	85.51	12.1
10/1/2022 8:00	15.69	84.93	13.18
10/1/2022 8:30	17.52	82.29	14.49
10/1/2022 9:00	19.42	79.49	15.8
10/1/2022 9:30	22.04	75.7	17.57
10/1/2022 10:00	23.23	68.68	17.17
10/1/2022 10:30	23.59	65.76	16.83
10/1/2022 11:00	24.94	64.22	17.74
10/1/2022 11:30	26.21	61.71	18.3
10/1/2022 12:00	27.52	59.36	18.91
10/1/2022 12:30	28.45	58	19.41
10/1/2022 13:00	29.12	55.66	19.37
10/1/2022 13:30	29.8	54.86	19.77
10/1/2022 14:00	30.15	53.77	19.76
10/1/2022 14:30	30.84	54.61	20.66
10/1/2022 15:00	30.24	55.25	20.29
10/1/2022 15:30	29.89	55.38	20
10/1/2022 16:00	30.89	53.37	20.33
10/1/2022 16:30	29.87	54.5	19.72
10/1/2022 17:00	28.84	56.91	19.46
10/1/2022 17:30	27.86	59.22	19.19
10/1/2022 18:00	24.63	66.23	17.93

10/1/2022 18:30	22.07	72.33	16.88
10/1/2022 19:00	20.05	77.71	16.06
10/1/2022 19:30	19.12	80.03	15.62
10/1/2022 20:00	19.76	76.86	15.61
10/1/2022 20:30	19.47	77.21	15.4
10/1/2022 21:00	19.07	78.38	15.24
10/1/2022 21:30	18.61	79.12	14.94
10/1/2022 22:00	18.04	79.53	14.46
10/1/2022 22:30	17.68	80.39	14.28
10/1/2022 23:00	17.32	80.92	14.03
10/1/2022 23:30	17	81.51	13.83
10/2/2022 0:00	16.74	81.53	13.58
10/2/2022 0:30	16.45	81.87	13.36
10/2/2022 1:00	16.18	82.24	13.17
10/2/2022 1:30	15.98	82.04	12.93
10/2/2022 2:00	15.77	82.2	12.76
10/2/2022 2:30	15.57	82.23	12.57
10/2/2022 3:00	15.37	82.75	12.47
10/2/2022 3:30	15.18	83.39	12.4
10/2/2022 4:00	14.92	83.52	12.17
10/2/2022 4:30	14.74	84.45	12.17
10/2/2022 5:00	14.51	84.58	11.96
10/2/2022 5:30	14.28	84.85	11.79
10/2/2022 6:00	14.07	84.9	11.58
10/2/2022 6:30	13.85	85.07	11.4
10/2/2022 7:00	13.66	85.4	11.27
10/2/2022 7:30	13.79	85.5	11.42
10/2/2022 8:00	14.82	84.87	12.31
10/2/2022 8:30	16.46	82.68	13.52
10/2/2022 9:00	18.34	79.82	14.81
10/2/2022 9:30	20.79	75.43	16.31
10/2/2022 10:00	23.59	71.51	18.16
10/2/2022 10:30	22.76	68.13	16.6
10/2/2022 11:00	23.86	65.98	17.14
10/2/2022 11:30	24.71	64.42	17.57
10/2/2022 12:00	25.95	62.39	18.23
10/2/2022 12:30	26.76	60.68	18.55
10/2/2022 13:00	27.61	58.91	18.88
10/2/2022 13:30	27.86	58.61	19.03
10/2/2022 14:00	28.33	57.42	19.14
10/2/2022 14:30	28.6	56.82	19.22
10/2/2022 15:00	28.23	56.78	18.86
10/2/2022 15:30	28.11	57.22	18.87
10/2/2022 16:00	29.59	54.74	19.53
10/2/2022 16:30	28.39	56.5	18.93
10/2/2022 17:00	27.5	58.22	18.58
10/2/2022 17:30	26.96	59.1	18.32
10/2/2022 18:00	23.88	66.6	17.31
10/2/2022 18:30	21.69	73.51	16.77
10/2/2022 19:00	20.15	77.47	16.11
10/2/2022 19:30	19.57	80.59	16.16
10/2/2022 20:00	20.2	79.75	16.62
10/2/2022 20:30	19.9	79.59	16.29
10/2/2022 21:00	19.36	80.83	16
10/2/2022 21:30	18.93	81.12	15.64
10/2/2022 22:00	18.59	81.76	15.44
10/2/2022 22:30	18.22	81.8	15.08
10/2/2022 23:00	17.88	82.62	14.9
10/2/2022 23:30	17.53	82.93	14.62
10/3/2022 0:00	17.28	82.97	14.37
10/3/2022 0:30	17.01	83.34	14.18
10/3/2022 1:00	16.76	83.68	14
10/3/2022 1:30	16.54	83.93	13.83

10/3/2022 2:00	16.26	84	13.57
10/3/2022 2:30	15.96	84.09	13.29
10/3/2022 3:00	15.78	84.7	13.23
10/3/2022 3:30	15.57	84.51	12.99
10/3/2022 4:00	15.3	84.58	12.74
10/3/2022 4:30	15.1	85.4	12.68
10/3/2022 5:00	14.86	85.66	12.5
10/3/2022 5:30	14.65	85.71	12.3
10/3/2022 6:00	14.42	85.86	12.1
10/3/2022 6:30	14.22	85.94	11.92
10/3/2022 7:00	14.05	86.03	11.76
10/3/2022 7:30	14.01	86.18	11.76
10/3/2022 8:00	15.09	85.83	12.75
10/3/2022 8:30	16.62	83.29	13.79
10/3/2022 9:00	18.5	81.25	15.24
10/3/2022 9:30	21.23	77.86	17.24
10/3/2022 10:00	23.42	68.56	17.33
10/3/2022 10:30	23.12	67.76	16.86
10/3/2022 11:00	25.22	64.07	17.97
10/3/2022 11:30	26.12	62.76	18.49
10/3/2022 12:00	27.45	60.18	19.07
10/3/2022 12:30	28.5	57.86	19.42
10/3/2022 13:00	29.03	57.75	19.88
10/3/2022 13:30	29.53	57.05	20.16
10/3/2022 14:00	29.89	54.8	19.83
10/3/2022 14:30	30.3	53.9	19.94
10/3/2022 15:00	29.52	54.91	19.52
10/3/2022 15:30	29.39	56.17	19.77
10/3/2022 16:00	30.77	53.78	20.34
10/3/2022 16:30	29.56	55.8	19.82
10/3/2022 17:00	28.93	57.24	19.65
10/3/2022 17:30	28.29	58.46	19.39
10/3/2022 18:00	24.86	67.03	18.34
10/3/2022 18:30	22.82	72.35	17.61
10/3/2022 19:00	21.15	76.38	16.85
10/3/2022 19:30	19.85	79.13	16.15
10/3/2022 20:00	19.43	80.14	15.94
10/3/2022 20:30	20.06	78.7	16.27
10/3/2022 21:00	19.75	78.85	16
10/3/2022 21:30	19.25	79.83	15.7
10/3/2022 22:00	18.77	80.52	15.37
10/3/2022 22:30	18.32	80.85	14.99
10/3/2022 23:00	17.97	81.16	14.71
10/3/2022 23:30	17.59	82.23	14.54
10/4/2022 0:00	17.33	82.45	14.33
10/4/2022 0:30	17.07	82.68	14.12
10/4/2022 1:00	16.8	83.29	13.97
10/4/2022 1:30	16.55	83.57	13.77
10/4/2022 2:00	16.28	83.89	13.57
10/4/2022 2:30	16.01	84.16	13.35
10/4/2022 3:00	15.84	84.43	13.24
10/4/2022 3:30	15.71	84.3	13.09
10/4/2022 4:00	15.46	84.77	12.93
10/4/2022 4:30	15.26	85.71	12.9
10/4/2022 5:00	15.07	85.93	12.75
10/4/2022 5:30	14.89	86.32	12.65
10/4/2022 6:00	14.72	86.44	12.5
10/4/2022 6:30	14.52	86.4	12.29
10/4/2022 7:00	14.26	86.4	12.04
10/4/2022 7:30	14.24	86.53	12.04
10/4/2022 8:00	15.13	86.1	12.84
10/4/2022 8:30	16.66	84.2	14
10/4/2022 9:00	18.54	81.94	15.42

10/4/2022 9:30	21.09	77.02	16.93
10/4/2022 10:00	23.69	70.66	18.07
10/4/2022 10:30	22.75	69.26	16.84
10/4/2022 11:00	24	66.8	17.47
10/4/2022 11:30	25.39	64.8	18.31
10/4/2022 12:00	26.8	62.46	19.05
10/4/2022 12:30	27.73	60.96	19.54
10/4/2022 13:00	28.23	58.5	19.34
10/4/2022 13:30	28.68	57.63	19.52
10/4/2022 14:00	29.34	56.85	19.92
10/4/2022 14:30	30.05	55.35	20.14
10/4/2022 15:00	29.7	55.85	19.96
10/4/2022 15:30	29.67	56.09	20.01
10/4/2022 16:00	30.89	53.82	20.46
10/4/2022 16:30	29.44	55.35	19.57
10/4/2022 17:00	28.53	59.65	19.93
10/4/2022 17:30	28.18	60.9	19.95
10/4/2022 18:00	24.63	68.92	18.57
10/4/2022 18:30	22.82	74.27	18.02
10/4/2022 19:00	21.51	77.52	17.44
10/4/2022 19:30	20.66	80.15	17.14
10/4/2022 20:00	20.14	82.26	17.04
10/4/2022 20:30	19.63	82.93	16.68
10/4/2022 21:00	20.01	82.48	16.96
10/4/2022 21:30	19.81	82.7	16.8
10/4/2022 22:00	19.44	82.67	16.44
10/4/2022 22:30	19.1	83.04	16.17
10/4/2022 23:00	18.77	83.68	15.97
10/4/2022 23:30	18.39	83.79	15.62
10/5/2022 0:00	17.99	84.08	15.28
10/5/2022 0:30	17.66	84.5	15.04
10/5/2022 1:00	17.41	84.68	14.83
10/5/2022 1:30	17.1	84.77	14.54
10/5/2022 2:00	16.82	85.1	14.32
10/5/2022 2:30	16.6	85.26	14.13
10/5/2022 3:00	16.41	85.41	13.97
10/5/2022 3:30	16.16	85.51	13.75
10/5/2022 4:00	15.89	85.62	13.5
10/5/2022 4:30	15.73	86.27	13.46
10/5/2022 5:00	15.48	86.43	13.25
10/5/2022 5:30	15.29	86.63	13.09
10/5/2022 6:00	15.08	86.81	12.91
10/5/2022 6:30	14.93	86.82	12.77
10/5/2022 7:00	14.78	86.96	12.64
10/5/2022 7:30	14.78	87.12	12.67
10/5/2022 8:00	15.67	87.06	13.54
10/5/2022 8:30	17.19	84.88	14.64
10/5/2022 9:00	18.98	82.57	15.97
10/5/2022 9:30	21.6	79.23	17.87
10/5/2022 10:00	23.09	71.98	17.78
10/5/2022 10:30	23.96	69.47	18.05
10/5/2022 11:00	25.47	66.47	18.79
10/5/2022 11:30	27.08	64.63	19.87
10/5/2022 12:00	28.38	62.17	20.46
10/5/2022 12:30	29.61	57.66	20.4
10/5/2022 13:00	29.9	56.53	20.34
10/5/2022 13:30	30.1	55.97	20.37
10/5/2022 14:00	30.69	54.66	20.54
10/5/2022 14:30	31.73	52.24	20.76
10/5/2022 15:00	30.59	55.07	20.56
10/5/2022 15:30	30.48	55.55	20.6
10/5/2022 16:00	31.69	52.18	20.7
10/5/2022 16:30	30.28	54.47	20.1

10/5/2022 17:00	29.54	56.38	19.97
10/5/2022 17:30	28.69	59.65	20.08
10/5/2022 18:00	25.3	69.31	19.3
10/5/2022 18:30	23.57	75.96	19.11
10/5/2022 19:00	22.36	78.96	18.56
10/5/2022 19:30	21.37	81.41	18.08
10/5/2022 20:00	20.96	82.85	17.96
10/5/2022 20:30	20.45	83.6	17.6
10/5/2022 21:00	20.04	84.64	17.4
10/5/2022 21:30	20.09	83.87	17.3
10/5/2022 22:00	19.99	83.8	17.19
10/5/2022 22:30	19.74	83.78	16.94
10/5/2022 23:00	19.33	83.92	16.57
10/5/2022 23:30	19	84.21	16.3
10/6/2022 0:00	18.61	84.42	15.95
10/6/2022 0:30	18.23	84.56	15.6
10/6/2022 1:00	17.9	84.73	15.31
10/6/2022 1:30	17.52	84.84	14.96
10/6/2022 2:00	17.24	85.1	14.74
10/6/2022 2:30	16.96	85.17	14.48
10/6/2022 3:00	16.7	85.22	14.22
10/6/2022 3:30	16.46	85.54	14.05
10/6/2022 4:00	16.22	85.64	13.83
10/6/2022 4:30	16.03	86.47	13.79
10/6/2022 5:00	15.81	86.54	13.58
10/6/2022 5:30	15.51	86.58	13.29
10/6/2022 6:00	15.24	86.59	13.03
10/6/2022 6:30	15.01	86.8	12.85
10/6/2022 7:00	14.85	87	12.72
10/6/2022 7:30	14.81	87.04	12.69
10/6/2022 8:00	15.73	86.97	13.59
10/6/2022 8:30	17.45	85.51	15.01
10/6/2022 9:00	19.54	83.51	16.69
10/6/2022 9:30	22.11	78.91	18.3
10/6/2022 10:00	23.15	73.63	18.21
10/6/2022 10:30	24.54	70.03	18.74
10/6/2022 11:00	26.31	66.13	19.5
10/6/2022 11:30	27.83	63.37	20.26
10/6/2022 12:00	29	59.76	20.41
10/6/2022 12:30	29.8	58.82	20.9
10/6/2022 13:00	30.4	56.9	20.92
10/6/2022 13:30	31.01	55.31	21.03
10/6/2022 14:00	31.83	52.81	21.03
10/6/2022 14:30	31.74	51.81	20.64
10/6/2022 15:00	32.07	50.11	20.39
10/6/2022 15:30	31.41	49.53	19.6
10/6/2022 16:00	36.01	40.34	20.43
10/6/2022 16:30	33.89	45.76	20.58
10/6/2022 17:00	29.68	54.3	19.5
10/6/2022 17:30	28.13	56.94	18.81
10/6/2022 18:00	24.99	69.8	19.11
10/6/2022 18:30	23.35	76.06	18.91
10/6/2022 19:00	21.97	78.91	18.17
10/6/2022 19:30	21	79.55	17.35
10/6/2022 20:00	20.25	82.34	17.16
10/6/2022 20:30	19.8	83.61	16.96
10/6/2022 21:00	19.16	83.2	16.27
10/6/2022 21:30	18.84	85.64	16.4
10/6/2022 22:00	18.52	85.91	16.14
10/6/2022 22:30	18.3	87.01	16.13
10/6/2022 23:00	18.07	87.86	16.05
10/6/2022 23:30	17.79	87.14	15.64
10/7/2022 0:00	17.98	85.78	15.59

10/7/2022 0:30	17.87	85.46	15.41
10/7/2022 1:00	17.7	85.42	15.25
10/7/2022 1:30	17.5	85.49	15.06
10/7/2022 2:00	17.34	85.79	14.96
10/7/2022 2:30	17.16	85.92	14.8
10/7/2022 3:00	16.95	86.05	14.62
10/7/2022 3:30	16.74	86.15	14.43
10/7/2022 4:00	16.57	86.18	14.27
10/7/2022 4:30	16.4	86.9	14.23
10/7/2022 5:00	16.18	86.87	14.01
10/7/2022 5:30	15.91	86.97	13.76
10/7/2022 6:00	15.75	87.28	13.66
10/7/2022 6:30	15.57	87.27	13.48
10/7/2022 7:00	15.44	87.37	13.37
10/7/2022 7:30	15.4	87.41	13.34
10/7/2022 8:00	16.24	87.13	14.11
10/7/2022 8:30	17.79	84.33	15.13
10/7/2022 9:00	19.87	79.93	16.33
10/7/2022 9:30	22.36	73.91	17.5
10/7/2022 10:00	24.46	59.85	16.17
10/7/2022 10:30	26.53	55.63	16.95
10/7/2022 11:00	28.38	54.37	18.3
10/7/2022 11:30	29.97	49.82	18.38
10/7/2022 12:00	30.24	51.82	19.26
10/7/2022 12:30	29.11	55.32	19.26
10/7/2022 13:00	30.08	53.41	19.59
10/7/2022 13:30	30.28	53.97	19.95
10/7/2022 14:00	30.49	52.63	19.74
10/7/2022 14:30	30.94	52.57	20.13
10/7/2022 15:00	30.08	53.13	19.51
10/7/2022 15:30	30.03	53.8	19.66
10/7/2022 16:00	31.14	50.24	19.59
10/7/2022 16:30	30.28	51.18	19.1
10/7/2022 17:00	28.9	54.67	18.88
10/7/2022 17:30	28.17	58.16	19.19
10/7/2022 18:00	25.33	68.43	19.12
10/7/2022 18:30	23.4	74.49	18.63
10/7/2022 19:00	22.23	79.36	18.51
10/7/2022 19:30	21.3	79.57	17.64
10/7/2022 20:00	20.36	80.24	16.87
10/7/2022 20:30	19.8	82.14	16.68
10/7/2022 21:00	19.4	82.71	16.4
10/7/2022 21:30	18.97	84.25	16.27
10/7/2022 22:00	18.58	85.33	16.1
10/7/2022 22:30	18.37	86.27	16.06
10/7/2022 23:00	18.2	87.12	16.04
10/7/2022 23:30	17.97	87.45	15.88
10/8/2022 0:00	17.67	87.95	15.67
10/8/2022 0:30	17.95	85.88	15.57
10/8/2022 1:00	17.91	85.35	15.43
10/8/2022 1:30	17.76	85.03	15.23
10/8/2022 2:00	17.62	85.12	15.11
10/8/2022 2:30	17.31	85.09	14.8
10/8/2022 3:00	16.99	85.26	14.51
10/8/2022 3:30	16.76	85.52	14.34
10/8/2022 4:00	16.51	85.69	14.13
10/8/2022 4:30	16.3	86.4	14.04
10/8/2022 5:00	16.11	86.36	13.85
10/8/2022 5:30	15.86	86.51	13.63
10/8/2022 6:00	15.66	86.53	13.43
10/8/2022 6:30	15.41	86.57	13.2
10/8/2022 7:00	15.17	86.44	12.94
10/8/2022 7:30	15.1	86.51	12.88

10/8/2022 8:00	15.82	86.48	13.58
10/8/2022 8:30	17.39	85.06	14.88
10/8/2022 9:00	19.47	82.68	16.47
10/8/2022 9:30	21.44	75.26	16.9
10/8/2022 10:00	21.53	72.91	16.49
10/8/2022 10:30	23.4	69.24	17.47
10/8/2022 11:00	25.25	64.65	18.14
10/8/2022 11:30	26.53	61.11	18.45
10/8/2022 12:00	27.71	57.81	18.67
10/8/2022 12:30	28.4	55.76	18.73
10/8/2022 13:00	28.97	56.31	19.41
10/8/2022 13:30	29.56	54.5	19.43
10/8/2022 14:00	30.79	53.41	20.25
10/8/2022 14:30	30.89	53.85	20.47
10/8/2022 15:00	30.17	54.71	20.06
10/8/2022 15:30	30.37	54.78	20.27
10/8/2022 16:00	31.26	53.56	20.73
10/8/2022 16:30	30.46	55.28	20.5
10/8/2022 17:00	29.19	58.03	20.11
10/8/2022 17:30	28.08	60.84	19.83
10/8/2022 18:00	25.03	66.87	18.47
10/8/2022 18:30	23.02	72.16	17.76
10/8/2022 19:00	21.75	76.59	17.48
10/8/2022 19:30	20.92	80.36	17.44
10/8/2022 20:00	20.35	82.07	17.21
10/8/2022 20:30	19.91	82.35	16.84
10/8/2022 21:00	19.32	82.92	16.37
10/8/2022 21:30	18.67	83.66	15.87
10/8/2022 22:00	18.12	84.42	15.47
10/8/2022 22:30	17.47	85.07	14.95
10/8/2022 23:00	18.08	83.94	15.34
10/8/2022 23:30	18.14	83.45	15.31
10/9/2022 0:00	18.02	82.77	15.06
10/9/2022 0:30	17.66	83.73	14.9
10/9/2022 1:00	17.35	84.19	14.67
10/9/2022 1:30	17.14	84.48	14.52
10/9/2022 2:00	16.89	84.37	14.26
10/9/2022 2:30	16.63	84.67	14.06
10/9/2022 3:00	16.32	84.84	13.78
10/9/2022 3:30	16.03	84.92	13.51
10/9/2022 4:00	15.73	84.87	13.21
10/9/2022 4:30	15.48	85.82	13.14
10/9/2022 5:00	15.24	86.11	12.95
10/9/2022 5:30	15	86.08	12.71
10/9/2022 6:00	14.78	86.25	12.52
10/9/2022 6:30	14.57	86.28	12.32
10/9/2022 7:00	14.37	86.37	12.14
10/9/2022 7:30	14.26	86.52	12.06
10/9/2022 8:00	15	86.48	12.78
10/9/2022 8:30	16.29	84.88	13.76
10/9/2022 9:00	18.2	82.8	15.25
10/9/2022 9:30	20.88	77.94	16.91
10/9/2022 10:00	20.94	74.5	16.26
10/9/2022 10:30	22.21	71.86	16.91
10/9/2022 11:00	23.96	68.64	17.86
10/9/2022 11:30	25.28	65.72	18.42
10/9/2022 12:00	26.58	63.88	19.21
10/9/2022 12:30	27.72	61.07	19.56
10/9/2022 13:00	28.39	59.02	19.63
10/9/2022 13:30	29.13	58.4	20.15
10/9/2022 14:00	30.09	55.91	20.35
10/9/2022 14:30	30.01	54.05	19.72
10/9/2022 15:00	29.46	56.61	19.96

10/9/2022 15:30	29.45	56.12	19.81
10/9/2022 16:00	30.03	55.28	20.1
10/9/2022 16:30	29.7	57.15	20.33
10/9/2022 17:00	28.64	59.32	19.95
10/9/2022 17:30	27.49	61.59	19.47
10/9/2022 18:00	24.56	69.67	18.67
10/9/2022 18:30	22.84	75.14	18.23
10/9/2022 19:00	21.51	78.27	17.59
10/9/2022 19:30	20.55	80.67	17.13
10/9/2022 20:00	19.9	82.04	16.77
10/9/2022 20:30	19.28	82.83	16.31
10/9/2022 21:00	18.66	83.79	15.88
10/9/2022 21:30	17.96	84.3	15.29
10/9/2022 22:00	17.32	84.91	14.77
10/9/2022 22:30	17.94	83.95	15.21
10/9/2022 23:00	17.89	83.5	15.07
10/9/2022 23:30	17.65	84.1	14.95
10/10/2022 0:00	17.38	84.13	14.69
10/10/2022 0:30	17.06	84.26	14.4
10/10/2022 1:00	16.66	84.21	14.01
10/10/2022 1:30	16.45	84.86	13.91
10/10/2022 2:00	16.18	84.8	13.64
10/10/2022 2:30	15.8	84.93	13.28
10/10/2022 3:00	15.61	85.14	13.14
10/10/2022 3:30	15.37	85.34	12.94
10/10/2022 4:00	15.19	85.69	12.83
10/10/2022 4:30	14.97	85.84	12.64
10/10/2022 5:00	14.63	86.05	12.33
10/10/2022 5:30	14.4	86.18	12.14
10/10/2022 6:00	14.2	86.39	11.97
10/10/2022 6:30	14.03	86.68	11.86
10/10/2022 7:00	13.88	86.51	11.68
10/10/2022 7:30	13.8	86.79	11.65
10/10/2022 8:00	14.54	86.85	12.39
10/10/2022 8:30	16.02	85.44	13.6
10/10/2022 9:00	17.95	83.74	15.18
10/10/2022 9:30	20.73	78.62	16.9
10/10/2022 10:00	21.22	75.03	16.64
10/10/2022 10:30	22.61	71.29	17.17
10/10/2022 11:00	24.16	66.83	17.63
10/10/2022 11:30	25.38	63.91	18.08
10/10/2022 12:00	26.64	61.09	18.54
10/10/2022 12:30	27.64	59.72	19.12
10/10/2022 13:00	28.18	58.58	19.32
10/10/2022 13:30	28.74	56.99	19.4
10/10/2022 14:00	29.73	54.82	19.69
10/10/2022 14:30	29.85	55.1	19.88
10/10/2022 15:00	29.44	55.27	19.55
10/10/2022 15:30	29.16	55.84	19.46
10/10/2022 16:00	29.79	55.28	19.88
10/10/2022 16:30	29.88	56.31	20.26
10/10/2022 17:00	28.34	56.71	18.95
10/10/2022 17:30	26.83	58.86	18.13
10/10/2022 18:00	24.09	64.62	17.03
10/10/2022 18:30	21.81	71.18	16.38
10/10/2022 19:00	20.26	76.73	16.06
10/10/2022 19:30	19.48	81.15	16.19
10/10/2022 20:00	18.85	82.36	15.8
10/10/2022 20:30	18.37	81.44	15.15
10/10/2022 21:00	17.79	77.19	13.76
10/10/2022 21:30	18.68	78.55	14.9
10/10/2022 22:00	18.61	80.11	15.13
10/10/2022 22:30	18.3	79.16	14.65

10/10/2022 23:00	17.89	80.86	14.57
10/10/2022 23:30	17.39	80.99	14.12
10/11/2022 0:00	16.94	82.34	13.93
10/11/2022 0:30	16.61	82.73	13.68
10/11/2022 1:00	16.31	83.38	13.51
10/11/2022 1:30	16.02	83.81	13.3
10/11/2022 2:00	15.69	84.08	13.02
10/11/2022 2:30	15.45	84.18	12.81
10/11/2022 3:00	15.1	84.24	12.48
10/11/2022 3:30	14.83	84.67	12.29
10/11/2022 4:00	14.51	84.45	11.93
10/11/2022 4:30	14.25	85.19	11.81
10/11/2022 5:00	13.98	85.46	11.6
10/11/2022 5:30	13.73	85.47	11.35
10/11/2022 6:00	13.47	85.5	11.1
10/11/2022 6:30	13.21	85.82	10.9
10/11/2022 7:00	13.02	85.66	10.69
10/11/2022 7:30	12.93	86.05	10.67
10/11/2022 8:00	13.6	85.77	11.27
10/11/2022 8:30	14.72	85.17	12.27
10/11/2022 9:00	16.91	82.5	13.93
10/11/2022 9:30	19.4	78.65	15.62
10/11/2022 10:00	20.29	72.72	15.25
10/11/2022 10:30	20.42	72.51	15.33
10/11/2022 11:00	21.89	69.5	16.08
10/11/2022 11:30	23.62	64.65	16.6
10/11/2022 12:00	25.03	62.68	17.43
10/11/2022 12:30	26.26	59.55	17.78
10/11/2022 13:00	26.4	58.57	17.65
10/11/2022 13:30	27.22	57.32	18.07
10/11/2022 14:00	27.97	54.57	17.98
10/11/2022 14:30	27.99	54.6	18.01
10/11/2022 15:00	27.8	54.91	17.92
10/11/2022 15:30	27.4	56.07	17.89
10/11/2022 16:00	27.85	56.2	18.34
10/11/2022 16:30	27.82	55.46	18.1
10/11/2022 17:00	26.99	58.48	18.18
10/11/2022 17:30	26.23	60.16	17.92
10/11/2022 18:00	23.77	67.65	17.46
10/11/2022 18:30	21.55	74.34	16.82
10/11/2022 19:00	20	77.48	15.96
10/11/2022 19:30	18.79	78.17	14.93
10/11/2022 20:00	18.06	80.11	14.6
10/11/2022 20:30	17.65	82.41	14.64
10/11/2022 21:00	17.73	83.16	14.85
10/11/2022 21:30	18.08	82.44	15.06
10/11/2022 22:00	17.85	82.78	14.91
10/11/2022 22:30	17.6	83.36	14.76
10/11/2022 23:00	17.3	83.75	14.54
10/11/2022 23:30	17.02	83.92	14.3
10/12/2022 0:00	16.7	84.09	14.01
10/12/2022 0:30	16.47	84.43	13.86
10/12/2022 1:00	16.28	84.75	13.72
10/12/2022 1:30	16.1	85.31	13.65
10/12/2022 2:00	15.92	85.43	13.5
10/12/2022 2:30	15.73	85.41	13.31
10/12/2022 3:00	15.47	85.42	13.06
10/12/2022 3:30	15.28	85.42	12.87
10/12/2022 4:00	15.04	85.69	12.68
10/12/2022 4:30	14.87	86.22	12.61
10/12/2022 5:00	14.58	86.31	12.34
10/12/2022 5:30	14.36	86.38	12.13
10/12/2022 6:00	14.2	86.51	11.99

10/12/2022 6:30	13.96	86.57	11.77
10/12/2022 7:00	13.79	86.78	11.64
10/12/2022 7:30	13.68	86.84	11.55
10/12/2022 8:00	14.25	87.12	12.15
10/12/2022 8:30	15.6	85.3	13.16
10/12/2022 9:00	17.5	83.52	14.7
10/12/2022 9:30	20.18	79.78	16.6
10/12/2022 10:00	20.49	74.76	15.88
10/12/2022 10:30	21.1	72.99	16.1
10/12/2022 11:00	22.85	70.17	17.15
10/12/2022 11:30	24.54	65.69	17.71
10/12/2022 12:00	25.82	62.3	18.09
10/12/2022 12:30	26.81	60.51	18.55
10/12/2022 13:00	27.46	58.92	18.74
10/12/2022 13:30	28	56.81	18.66
10/12/2022 14:00	28.85	57.49	19.64
10/12/2022 14:30	29.19	57.11	19.85
10/12/2022 15:00	28.79	58.45	19.86
10/12/2022 15:30	28.31	58.93	19.54
10/12/2022 16:00	28.7	58.05	19.65
10/12/2022 16:30	28.18	59.1	19.46
10/12/2022 17:00	26.86	62.34	19.08
10/12/2022 17:30	26.05	64.05	18.74
10/12/2022 18:00	23.36	72.2	18.09
10/12/2022 18:30	20.91	78.73	17.1
10/12/2022 19:00	19.39	81.62	16.18
10/12/2022 19:30	18.48	83.8	15.71
10/12/2022 20:00	17.93	84.69	15.33
10/12/2022 20:30	17.49	85.62	15.07
10/12/2022 21:00	18.02	84.68	15.42
10/12/2022 21:30	17.96	83.75	15.19
10/12/2022 22:00	17.69	83.59	14.9
10/12/2022 22:30	17.26	83.23	14.41
10/12/2022 23:00	16.98	83.57	14.19
10/12/2022 23:30	16.6	83.94	13.89
10/13/2022 0:00	16.29	84.33	13.66
10/13/2022 0:30	15.93	84.32	13.31
10/13/2022 1:00	15.63	84.65	13.07
10/13/2022 1:30	15.27	84.96	12.77
10/13/2022 2:00	15.02	85.25	12.58
10/13/2022 2:30	14.85	85.16	12.4
10/13/2022 3:00	14.54	85.38	12.13
10/13/2022 3:30	14.28	85.58	11.92
10/13/2022 4:00	14.06	85.7	11.72
10/13/2022 4:30	13.86	86.44	11.66
10/13/2022 5:00	13.63	86.43	11.42
10/13/2022 5:30	13.37	86.24	11.13
10/13/2022 6:00	13.05	86.57	10.88
10/13/2022 6:30	12.85	86.47	10.66
10/13/2022 7:00	12.56	86.42	10.36
10/13/2022 7:30	12.42	86.56	10.25
10/13/2022 8:00	12.94	86.59	10.77
10/13/2022 8:30	14.03	85.35	11.62
10/13/2022 9:00	15.78	83.42	13
10/13/2022 9:30	18.2	79.15	14.55
10/13/2022 10:00	20.78	74.76	16.16
10/13/2022 10:30	19.59	72.97	14.63
10/13/2022 11:00	20.64	71.78	15.39
10/13/2022 11:30	21.95	69.11	16.05
10/13/2022 12:00	23.72	66.85	17.22
10/13/2022 12:30	24.75	64.65	17.66
10/13/2022 13:00	25.62	61.9	17.79
10/13/2022 13:30	26.2	60.71	18.03

10/13/2022 14:00	27.16	59.26	18.55
10/13/2022 14:30	27.65	56.97	18.37
10/13/2022 15:00	27.14	58.92	18.44
10/13/2022 15:30	26.83	59.9	18.41
10/13/2022 16:00	27.78	57.95	18.76
10/13/2022 16:30	27.31	59.2	18.67
10/13/2022 17:00	26.39	61.63	18.45
10/13/2022 17:30	25.69	64.17	18.44
10/13/2022 18:00	23.24	70.98	17.71
10/13/2022 18:30	20.83	77	16.67
10/13/2022 19:00	19.43	80.67	16.04
10/13/2022 19:30	18.61	82.34	15.56
10/13/2022 20:00	17.75	83.73	14.98
10/13/2022 20:30	17.5	84.53	14.88
10/13/2022 21:00	17.65	83.76	14.89
10/13/2022 21:30	17.37	83.67	14.6
10/13/2022 22:00	17.09	84.35	14.45
10/13/2022 22:30	16.8	84.41	14.18
10/13/2022 23:00	16.47	84.65	13.9
10/13/2022 23:30	16.13	84.86	13.6
10/14/2022 0:00	15.85	84.78	13.31
10/14/2022 0:30	15.52	84.98	13.02
10/14/2022 1:00	15.18	85.01	12.7
10/14/2022 1:30	14.91	85.12	12.44
10/14/2022 2:00	14.52	85.14	12.07
10/14/2022 2:30	14.2	85.41	11.8
10/14/2022 3:00	13.94	85.39	11.54
10/14/2022 3:30	13.65	85.5	11.28
10/14/2022 4:00	13.32	85.55	10.96
10/14/2022 4:30	13.11	86.37	10.9
10/14/2022 5:00	12.92	86.5	10.74
10/14/2022 5:30	12.69	86.53	10.51
10/14/2022 6:00	12.49	86.87	10.38
10/14/2022 6:30	12.36	86.9	10.26
10/14/2022 7:00	12.26	87.02	10.17
10/14/2022 7:30	12.16	87.39	10.14
10/14/2022 8:00	12.76	87.45	10.74
10/14/2022 8:30	14.25	86.42	12.03
10/14/2022 9:00	16.21	82.94	13.33
10/14/2022 9:30	18.88	77.8	14.94
10/14/2022 10:00	20.91	76.38	16.62
10/14/2022 10:30	22.19	71.07	16.72
10/14/2022 11:00	22.57	70.6	16.98
10/14/2022 11:30	23.91	67.94	17.66
10/14/2022 12:00	25.4	65.16	18.41
10/14/2022 12:30	26.45	62.99	18.85
10/14/2022 13:00	27.23	61.29	19.15
10/14/2022 13:30	27.94	59.55	19.35
10/14/2022 14:00	28.69	58.26	19.7
10/14/2022 14:30	28.69	57.34	19.45
10/14/2022 15:00	28.6	58.82	19.78
10/14/2022 15:30	28.27	59.7	19.71
10/14/2022 16:00	28.9	58.76	20.04
10/14/2022 16:30	28.31	60.02	19.83
10/14/2022 17:00	27.29	61.99	19.39
10/14/2022 17:30	26.35	62.73	18.7
10/14/2022 18:00	23.35	67.71	17.06
10/14/2022 18:30	20.59	76.25	16.28
10/14/2022 19:00	19.57	80.04	16.05
10/14/2022 19:30	18.84	81.9	15.7
10/14/2022 20:00	18.19	83.63	15.39
10/14/2022 20:30	17.45	84.35	14.8
10/14/2022 21:00	17.69	84.4	15.05

10/14/2022 21:30	17.64	83.88	14.9
10/14/2022 22:00	17.4	84.33	14.75
10/14/2022 22:30	17.17	84.46	14.55
10/14/2022 23:00	16.76	84.41	14.14
10/14/2022 23:30	16.43	84.66	13.86
10/15/2022 0:00	16.06	84.5	13.47
10/15/2022 0:30	15.76	84.71	13.21
10/15/2022 1:00	15.43	84.76	12.9
10/15/2022 1:30	15.17	85.53	12.78
10/15/2022 2:00	14.91	85.78	12.56
10/15/2022 2:30	14.67	85.96	12.36
10/15/2022 3:00	14.47	86.14	12.19
10/15/2022 3:30	14.18	86.28	11.93
10/15/2022 4:00	14	86.5	11.8
10/15/2022 4:30	13.83	87.1	11.74
10/15/2022 5:00	13.68	86.89	11.55
10/15/2022 5:30	13.4	86.78	11.26
10/15/2022 6:00	13.23	86.92	11.12
10/15/2022 6:30	13.02	86.83	10.89
10/15/2022 7:00	12.76	86.77	10.63
10/15/2022 7:30	12.53	86.97	10.44
10/15/2022 8:00	12.97	87.02	10.88
10/15/2022 8:30	14.24	85.97	11.94
10/15/2022 9:00	16	84.43	13.39
10/15/2022 9:30	18.43	80.85	15.11
10/15/2022 10:00	20.64	75.86	16.25
10/15/2022 10:30	20.16	74.78	15.56
10/15/2022 11:00	21.53	72.67	16.44
10/15/2022 11:30	22.8	69.97	17.06
10/15/2022 12:00	24.19	67.02	17.71
10/15/2022 12:30	25.09	65.13	18.11
10/15/2022 13:00	25.8	63.55	18.38
10/15/2022 13:30	26.46	62.6	18.76
10/15/2022 14:00	27.14	60.1	18.76
10/15/2022 14:30	26.98	59.28	18.39
10/15/2022 15:00	26.93	60.12	18.56
10/15/2022 15:30	26.07	59.39	17.56
10/15/2022 16:00	26.97	63.2	19.4
10/15/2022 16:30	26.94	62.97	19.31
10/15/2022 17:00	26.4	62.98	18.81
10/15/2022 17:30	24.94	65.71	18.1
10/15/2022 18:00	21.3	74.22	16.54
10/15/2022 18:30	18.89	80.82	15.55
10/15/2022 19:00	17.83	83.87	15.09
10/15/2022 19:30	17.11	84.55	14.51
10/15/2022 20:00	17.63	83.01	14.73
10/15/2022 20:30	17.46	82.83	14.53
10/15/2022 21:00	17.17	82.86	14.25
10/15/2022 21:30	16.77	83.21	13.93
10/15/2022 22:00	16.34	84.17	13.68
10/15/2022 22:30	16.08	84.72	13.53
10/15/2022 23:00	15.82	84.59	13.24
10/15/2022 23:30	15.54	84.72	12.99
10/16/2022 0:00	15.26	85.17	12.8
10/16/2022 0:30	15.06	85.26	12.62
10/16/2022 1:00	14.88	85.38	12.47
10/16/2022 1:30	14.68	85.56	12.3
10/16/2022 2:00	14.42	85.77	12.09
10/16/2022 2:30	14.2	85.9	11.89
10/16/2022 3:00	13.96	85.94	11.66
10/16/2022 3:30	13.75	85.96	11.45
10/16/2022 4:00	13.49	85.96	11.2
10/16/2022 4:30	13.26	86.69	11.11

10/16/2022 5:00	13.05	86.77	10.91
10/16/2022 5:30	12.85	87.05	10.76
10/16/2022 6:00	12.66	87.06	10.58
10/16/2022 6:30	12.49	87.17	10.43
10/16/2022 7:00	12.32	87.07	10.24
10/16/2022 7:30	12.2	87.28	10.16
10/16/2022 8:00	12.63	87.72	10.66
10/16/2022 8:30	14.08	87.01	11.97
10/16/2022 9:00	15.99	85.36	13.55
10/16/2022 9:30	18.66	81.54	15.46
10/16/2022 10:00	20.54	76.01	16.18
10/16/2022 10:30	19.98	75.23	15.48
10/16/2022 11:00	21.16	72.55	16.05
10/16/2022 11:30	22.34	69.5	16.51
10/16/2022 12:00	23.46	66.6	16.91
10/16/2022 12:30	24.32	64.25	17.16
10/16/2022 13:00	24.75	62.88	17.22
10/16/2022 13:30	25.34	61.9	17.53
10/16/2022 14:00	25.91	60.1	17.6
10/16/2022 14:30	25.74	60.66	17.58
10/16/2022 15:00	25.45	62.25	17.72
10/16/2022 15:30	25.24	62.81	17.67
10/16/2022 16:00	25.23	62.71	17.64
10/16/2022 16:30	24.87	63.02	17.37
10/16/2022 17:00	25.06	61.63	17.2
10/16/2022 17:30	21.8	67.95	15.64
10/16/2022 18:00	19.17	75.63	14.79
10/16/2022 18:30	17.53	80.45	14.15
10/16/2022 19:00	17.43	81.15	14.18
10/16/2022 19:30	17.62	81.39	14.41
10/16/2022 20:00	17.24	82.12	14.18
10/16/2022 20:30	16.72	82.68	13.78
10/16/2022 21:00	16.24	83.18	13.4
10/16/2022 21:30	15.71	82.97	12.84
10/16/2022 22:00	15.13	82.84	12.25
10/16/2022 22:30	14.72	83.9	12.05
10/16/2022 23:00	14.41	84.55	11.86
10/16/2022 23:30	14.1	84.67	11.57
10/17/2022 0:00	13.88	85.15	11.44
10/17/2022 0:30	13.64	85.39	11.25
10/17/2022 1:00	13.43	85.71	11.09
10/17/2022 1:30	13.23	85.49	10.87
10/17/2022 2:00	12.94	85.49	10.58
10/17/2022 2:30	12.65	85.43	10.29
10/17/2022 3:00	12.4	85.66	10.07
10/17/2022 3:30	12.17	85.69	9.86
10/17/2022 4:00	11.86	85.43	9.51
10/17/2022 4:30	11.56	86.2	9.34
10/17/2022 5:00	11.34	86.57	9.2
10/17/2022 5:30	11.11	86.46	8.95
10/17/2022 6:00	10.89	86.78	8.79
10/17/2022 6:30	10.85	87.1	8.8
10/17/2022 7:00	10.79	87.22	8.76
10/17/2022 7:30	10.66	87.29	8.64
10/17/2022 8:00	11.13	87.66	9.17
10/17/2022 8:30	12.53	87.25	10.49
10/17/2022 9:00	14.56	85.77	12.22
10/17/2022 9:30	17.33	81.87	14.22
10/17/2022 10:00	20.61	77.08	16.47
10/17/2022 10:30	20.16	73.47	15.29
10/17/2022 11:00	21.23	70.64	15.71
10/17/2022 11:30	22.36	68.7	16.35
10/17/2022 12:00	23.72	65.41	16.87

10/17/2022 12:30	23.94	64.91	16.95
10/17/2022 13:00	25.33	61.49	17.42
10/17/2022 13:30	25.68	60.7	17.54
10/17/2022 14:00	27.42	56.6	18.06
10/17/2022 14:30	29.54	48.1	17.43
10/17/2022 15:00	30.26	50.88	18.98
10/17/2022 15:30	28.73	53.88	18.49
10/17/2022 16:00	28.82	53.6	18.48
10/17/2022 16:30	27.73	55.05	17.9
10/17/2022 17:00	28.46	54.13	18.31
10/17/2022 17:30	27	55.7	17.41
10/17/2022 18:00	23.85	63.38	16.5
10/17/2022 18:30	21.68	69.63	15.91
10/17/2022 19:00	20.07	74.43	15.41
10/17/2022 19:30	18.86	78.68	15.1
10/17/2022 20:00	18.09	81.29	14.86
10/17/2022 20:30	17.69	82.43	14.68
10/17/2022 21:00	17.31	82.89	14.39
10/17/2022 21:30	18.59	79.38	14.98
10/17/2022 22:00	18.53	80.96	15.22
10/17/2022 22:30	18.64	79.6	15.06
10/17/2022 23:00	20.4	74.98	15.83
10/17/2022 23:30	20.77	73.48	15.88
10/18/2022 0:00	20.72	72.76	15.67
10/18/2022 0:30	20.56	72.4	15.44
10/18/2022 1:00	20.56	72.73	15.51
10/18/2022 1:30	20.65	72.67	15.59
10/18/2022 2:00	20.78	71.91	15.55
10/18/2022 2:30	20.59	71.37	15.25
10/18/2022 3:00	20.49	71.33	15.15
10/18/2022 3:30	20.46	71.23	15.1
10/18/2022 4:00	20.56	71.12	15.16
10/18/2022 4:30	20.58	72.3	15.44
10/18/2022 5:00	20.68	72.17	15.5
10/18/2022 5:30	20.74	72.05	15.54
10/18/2022 6:00	20.91	71.58	15.6
10/18/2022 6:30	21.09	70.86	15.62
10/18/2022 7:00	21.2	70.23	15.58
10/18/2022 7:30	21.27	70.19	15.64
10/18/2022 8:00	19.67	72.17	14.53
10/18/2022 8:30	20.12	71.27	14.77
10/18/2022 9:00	18.78	75.63	14.4
10/18/2022 9:30	20.6	70.63	15.1
10/18/2022 10:00	20.49	70.44	14.95
10/18/2022 10:30	20.77	70.76	15.29
10/18/2022 11:00	22.58	65.38	15.78
10/18/2022 11:30	23.2	63.68	15.95
10/18/2022 12:00	23.38	64.73	16.38
10/18/2022 12:30	23.13	65.52	16.34
10/18/2022 13:00	23.69	65.6	16.89
10/18/2022 13:30	24.31	64.96	17.32
10/18/2022 14:00	27.02	59.39	18.45
10/18/2022 14:30	27.83	57.57	18.71
10/18/2022 15:00	26.97	59.46	18.42
10/18/2022 15:30	27.6	58.44	18.74
10/18/2022 16:00	27.61	57.04	18.36
10/18/2022 16:30	27.63	56.27	18.16
10/18/2022 17:00	27.16	55.85	17.61
10/18/2022 17:30	25.65	59.38	17.16
10/18/2022 18:00	22.64	66.64	16.14
10/18/2022 18:30	20.36	73.79	15.55
10/18/2022 19:00	18.92	77.59	14.93
10/18/2022 19:30	17.97	80.89	14.66

10/18/2022 20:00	17.45	82.25	14.41
10/18/2022 20:30	18.11	82.59	15.12
10/18/2022 21:00	19.05	80.48	15.63
10/18/2022 21:30	19.05	79.85	15.51
10/18/2022 22:00	18.62	80.04	15.12
10/18/2022 22:30	18.21	80.34	14.79
10/18/2022 23:00	17.85	80.56	14.48
10/18/2022 23:30	17.82	80.02	14.35
10/19/2022 0:00	17.76	80.16	14.31
10/19/2022 0:30	17.76	80.68	14.41
10/19/2022 1:00	17.81	80.39	14.41
10/19/2022 1:30	17.68	79.99	14.21
10/19/2022 2:00	17.46	79.79	13.95
10/19/2022 2:30	17.23	80.05	13.78
10/19/2022 3:00	16.9	79.58	13.36
10/19/2022 3:30	16.51	79.7	13.01
10/19/2022 4:00	16.29	79.4	12.74
10/19/2022 4:30	16.15	81.06	12.91
10/19/2022 5:00	16.04	80.89	12.78
10/19/2022 5:30	15.86	80.69	12.56
10/19/2022 6:00	15.63	80.18	12.25
10/19/2022 6:30	15.44	79.65	11.96
10/19/2022 7:00	15.01	80.03	11.61
10/19/2022 7:30	14.89	79.75	11.44
10/19/2022 8:00	15.07	80.04	11.67
10/19/2022 8:30	16.17	79.66	12.67
10/19/2022 9:00	17.83	79.14	14.19
10/19/2022 9:30	20.45	74.51	15.79
10/19/2022 10:00	19.48	66.08	13
10/19/2022 10:30	20.68	63.88	13.61
10/19/2022 11:00	22.43	60.98	14.56
10/19/2022 11:30	23.53	59.06	15.09
10/19/2022 12:00	26.04	54.97	16.31
10/19/2022 12:30	28.32	49.55	16.78
10/19/2022 13:00	29.33	48.98	17.52
10/19/2022 13:30	30.84	45.81	17.84
10/19/2022 14:00	31.83	44.59	18.3
10/19/2022 14:30	32.45	43.45	18.44
10/19/2022 15:00	32.73	41.27	17.88
10/19/2022 15:30	32	43.88	18.19
10/19/2022 16:00	31.64	44.71	18.17
10/19/2022 16:30	31.38	45.14	18.09
10/19/2022 17:00	30.4	46.73	17.75
10/19/2022 17:30	29.39	48.87	17.54
10/19/2022 18:00	25.95	58.01	17.08
10/19/2022 18:30	23.59	62.56	16.05
10/19/2022 19:00	22.29	64.62	15.33
10/19/2022 19:30	21.2	67.09	14.87
10/19/2022 20:00	19.82	70.15	14.24
10/19/2022 20:30	19.3	71.67	14.08
10/19/2022 21:00	18.51	73.36	13.67
10/19/2022 21:30	18.06	74.74	13.52
10/19/2022 22:00	17.7	75.55	13.35
10/19/2022 22:30	17.47	76.26	13.26
10/19/2022 23:00	18.62	72.66	13.63
10/19/2022 23:30	19.23	74.67	14.64
10/20/2022 0:00	18.28	74.04	13.6
10/20/2022 0:30	18.2	72.71	13.24
10/20/2022 1:00	18.53	71.19	13.23
10/20/2022 1:30	18.85	70.36	13.36
10/20/2022 2:00	19.05	69.43	13.34
10/20/2022 2:30	20.05	67.49	13.87
10/20/2022 3:00	20.79	67.88	14.66

10/20/2022 3:30	19.79	68.89	13.93
10/20/2022 4:00	21.18	65.37	14.45
10/20/2022 4:30	21.3	65.59	14.61
10/20/2022 5:00	21.28	64.99	14.45
10/20/2022 5:30	21.25	64.29	14.26
10/20/2022 6:00	21.14	64.24	14.14
10/20/2022 6:30	21.02	64.06	13.98
10/20/2022 7:00	21.08	63.58	13.93
10/20/2022 7:30	21.31	62.59	13.9
10/20/2022 8:00	21.6	61.91	14
10/20/2022 8:30	19.8	66.84	13.47
10/20/2022 9:00	21.11	60.69	13.24
10/20/2022 9:30	21.46	61.09	13.67
10/20/2022 10:00	23.15	58.96	14.71
10/20/2022 10:30	25.17	55.87	15.76
10/20/2022 11:00	26.48	54.56	16.6
10/20/2022 11:30	27.98	51.99	17.23
10/20/2022 12:00	29.31	49.08	17.53
10/20/2022 12:30	30.09	48.67	18.12
10/20/2022 13:00	31.42	46.41	18.57
10/20/2022 13:30	31.97	45.95	18.9
10/20/2022 14:00	32.42	44.35	18.74
10/20/2022 14:30	32.73	44.04	18.91
10/20/2022 15:00	32.46	43.66	18.53
10/20/2022 15:30	34.19	39.59	18.51
10/20/2022 16:00	34.62	40.76	19.36
10/20/2022 16:30	34.09	37.97	17.76
10/20/2022 17:00	33.42	37.2	16.84
10/20/2022 17:30	32.55	38.89	16.77
10/20/2022 18:00	29.17	47.55	16.9
10/20/2022 18:30	25.32	58.54	16.63
10/20/2022 19:00	23.76	61.94	16.05
10/20/2022 19:30	22.7	63.88	15.53
10/20/2022 20:00	22.14	63.87	15
10/20/2022 20:30	21.73	64.77	14.82
10/20/2022 21:00	21.35	64.82	14.48
10/20/2022 21:30	21.06	64.94	14.23
10/20/2022 22:00	20.89	65.17	14.13
10/20/2022 22:30	20.74	66.92	14.39
10/20/2022 23:00	21.52	64.79	14.64
10/20/2022 23:30	20.63	66.08	14.09
10/21/2022 0:00	20.73	65.42	14.03
10/21/2022 0:30	21.6	63.61	14.42
10/21/2022 1:00	21.95	63.97	14.85
10/21/2022 1:30	21.49	64.35	14.5
10/21/2022 2:00	21.32	63.33	14.09
10/21/2022 2:30	21.16	63.22	13.91
10/21/2022 3:00	21.01	62.86	13.68
10/21/2022 3:30	21.31	62.51	13.88
10/21/2022 4:00	21.57	62.11	14.02
10/21/2022 4:30	21.73	61.82	14.1
10/21/2022 5:00	21.69	61.07	13.88
10/21/2022 5:30	21.6	60.54	13.66
10/21/2022 6:00	21.58	59.37	13.34
10/21/2022 6:30	21.34	58.61	12.92
10/21/2022 7:00	21.25	58.42	12.79
10/21/2022 7:30	21.24	57.68	12.58
10/21/2022 8:00	21.44	55.94	12.3
10/21/2022 8:30	21.76	56.71	12.81
10/21/2022 9:00	21.11	57.69	12.47
10/21/2022 9:30	21.67	59.28	13.41
10/21/2022 10:00	23.02	59.08	14.62
10/21/2022 10:30	24.62	55.15	15.04

10/21/2022 11:00	26.65	50.65	15.59
10/21/2022 11:30	28.21	50.93	17.12
10/21/2022 12:00	29.44	50.38	18.07
10/21/2022 12:30	30.22	49.56	18.52
10/21/2022 13:00	30.67	47.39	18.22
10/21/2022 13:30	31.29	46.48	18.48
10/21/2022 14:00	31.28	46.16	18.36
10/21/2022 14:30	30.63	46.88	18.01
10/21/2022 15:00	30.41	45.54	17.35
10/21/2022 15:30	29.35	46.58	16.75
10/21/2022 16:00	28.98	48.68	17.1
10/21/2022 16:30	27.42	54.68	17.51
10/21/2022 17:00	26.65	56.57	17.33
10/21/2022 17:30	24.73	60.28	16.53
10/21/2022 18:00	23.18	63.12	15.8
10/21/2022 18:30	21.92	65.15	15.1
10/21/2022 19:00	20.74	67.17	14.45
10/21/2022 19:30	20.09	68.62	14.15
10/21/2022 20:00	20.16	68.86	14.28
10/21/2022 20:30	20.29	66.32	13.82
10/21/2022 21:00	20.37	67.46	14.17
10/21/2022 21:30	20.49	66.65	14.09
10/21/2022 22:00	20.11	67.38	13.89
10/21/2022 22:30	19.74	68.19	13.73
10/21/2022 23:00	20.01	67.76	13.89
10/21/2022 23:30	19.92	67.33	13.71
10/22/2022 0:00	20.16	66.31	13.7
10/22/2022 0:30	20.36	66.36	13.91
10/22/2022 1:00	20.93	64.81	14.08
10/22/2022 1:30	20.2	66.64	13.82
10/22/2022 2:00	20.12	67.88	14.02
10/22/2022 2:30	19.68	68.47	13.73
10/22/2022 3:00	20.21	67.35	13.99
10/22/2022 3:30	20.47	66.85	14.12
10/22/2022 4:00	20.64	65.67	14.01
10/22/2022 4:30	20.81	65.67	14.17
10/22/2022 5:00	20.73	65.65	14.09
10/22/2022 5:30	20.45	66.36	13.99
10/22/2022 6:00	20.92	65.64	14.27
10/22/2022 6:30	20.8	65.49	14.12
10/22/2022 7:00	21.2	64.89	14.35
10/22/2022 7:30	21.2	67.21	14.9
10/22/2022 8:00	20.33	69.27	14.54
10/22/2022 8:30	21.1	67.07	14.78
10/22/2022 9:00	20.18	71.13	14.81
10/22/2022 9:30	22.27	67.45	15.98
10/22/2022 10:00	23.08	63.83	15.88
10/22/2022 10:30	23.15	63.33	15.83
10/22/2022 11:00	23.9	60.87	15.91
10/22/2022 11:30	25.52	55.44	15.96
10/22/2022 12:00	26.38	53.86	16.31
10/22/2022 12:30	27.16	51.37	16.28
10/22/2022 13:00	27.72	49.22	16.13
10/22/2022 13:30	27.82	47.72	15.73
10/22/2022 14:00	28.04	45.36	15.14
10/22/2022 14:30	26.96	45.23	14.11
10/22/2022 15:00	26.52	43.35	13.06
10/22/2022 15:30	25.47	45.08	12.71
10/22/2022 16:00	25.06	44.57	12.17
10/22/2022 16:30	24.73	45.37	12.14
10/22/2022 17:00	22.77	48.41	11.33
10/22/2022 17:30	22.67	48.29	11.21
10/22/2022 18:00	20.53	52.21	10.41

10/22/2022 18:30	20.37	52.68	10.4
10/22/2022 19:00	20.94	51.92	10.71
10/22/2022 19:30	20.85	51.55	10.51
10/22/2022 20:00	20.7	51.35	10.32
10/22/2022 20:30	20.88	51.85	10.63
10/22/2022 21:00	20.58	52.22	10.46
10/22/2022 21:30	21.02	51.12	10.55
10/22/2022 22:00	21.42	50.7	10.79
10/22/2022 22:30	21.38	53.87	11.68
10/22/2022 23:00	20.83	53.5	11.05
10/22/2022 23:30	21.16	50.95	10.63
10/23/2022 0:00	21.18	52.91	11.21
10/23/2022 0:30	20.79	52.12	10.63
10/23/2022 1:00	21.35	50.36	10.63
10/23/2022 1:30	20.69	52.47	10.63
10/23/2022 2:00	21.23	52.29	11.09
10/23/2022 2:30	20.31	51.29	9.94
10/23/2022 3:00	20.56	52.49	10.52
10/23/2022 3:30	20.99	52.5	10.92
10/23/2022 4:00	20.64	50.2	9.93
10/23/2022 4:30	20.2	51.88	10.02
10/23/2022 5:00	20.5	52.72	10.54
10/23/2022 5:30	20.64	52.89	10.71
10/23/2022 6:00	21.04	52.75	11.04
10/23/2022 6:30	20.86	52.34	10.75
10/23/2022 7:00	20.51	52.32	10.43
10/23/2022 7:30	20.54	52.47	10.49
10/23/2022 8:00	20.47	52.76	10.52
10/23/2022 8:30	20.39	50.31	9.73
10/23/2022 9:00	19.91	52.76	10
10/23/2022 9:30	19.37	52.98	9.56
10/23/2022 10:00	19.22	53.71	9.62
10/23/2022 10:30	20.31	52.02	10.16
10/23/2022 11:00	21.49	50.24	10.72
10/23/2022 11:30	22.55	48.73	11.24
10/23/2022 12:00	23.39	47.26	11.54
10/23/2022 12:30	23.53	46.41	11.39
10/23/2022 13:00	24.35	44.95	11.66
10/23/2022 13:30	24.76	44.11	11.74
10/23/2022 14:00	25.36	43.48	12.07
10/23/2022 14:30	24.94	44.01	11.87
10/23/2022 15:00	24.97	43.9	11.85
10/23/2022 15:30	24.18	45.19	11.58
10/23/2022 16:00	23.7	45.9	11.38
10/23/2022 16:30	23.3	46.96	11.36
10/23/2022 17:00	22.39	48.41	10.99
10/23/2022 17:30	21.17	50.58	10.53
10/23/2022 18:00	20.41	51.65	10.14
10/23/2022 18:30	19.99	51.57	9.73
10/23/2022 19:00	20.22	52.81	10.3
10/23/2022 19:30	20.32	53.14	10.49
10/23/2022 20:00	20.51	52.16	10.39
10/23/2022 20:30	20.58	51.33	10.2
10/23/2022 21:00	20.73	50.39	10.07
10/23/2022 21:30	20.61	49.82	9.79
10/23/2022 22:00	21.24	52.04	11.02
10/23/2022 22:30	20.98	51.45	10.6
10/23/2022 23:00	20.28	50.2	9.59
10/23/2022 23:30	21.31	50.96	10.77
10/24/2022 0:00	20.83	50.38	10.15
10/24/2022 0:30	21.28	48.18	9.9
10/24/2022 1:00	20.6	49.16	9.58
10/24/2022 1:30	20.98	49.88	10.14

10/24/2022 2:00	21.05	50.11	10.28
10/24/2022 2:30	20.16	49.7	9.34
10/24/2022 3:00	20.57	50.58	9.97
10/24/2022 3:30	20.03	49.7	9.22
10/24/2022 4:00	20.7	49.96	9.91
10/24/2022 4:30	21.48	48.17	10.08
10/24/2022 5:00	21.13	50.59	10.49
10/24/2022 5:30	20.77	48.2	9.44
10/24/2022 6:00	21.11	50.17	10.36
10/24/2022 6:30	21.25	47.31	9.61
10/24/2022 7:00	20.65	48.82	9.52
10/24/2022 7:30	20.95	49	9.85
10/24/2022 8:00	21.48	48.16	10.08
10/24/2022 8:30	21.57	49.19	10.47
10/24/2022 9:00	20.07	48.69	8.95
10/24/2022 9:30	20.15	49.74	9.34
10/24/2022 10:00	19.71	51.15	9.35
10/24/2022 10:30	21.31	49.38	10.3
10/24/2022 11:00	22.54	48.01	11
10/24/2022 11:30	23.89	45.68	11.48
10/24/2022 12:00	25.3	43.79	12.12
10/24/2022 12:30	25.71	42.79	12.13
10/24/2022 13:00	26.5	42.88	12.88
10/24/2022 13:30	27.36	40.42	12.75
10/24/2022 14:00	28.87	32.92	10.97
10/24/2022 14:30	29.91	32.86	11.84
10/24/2022 15:00	30.21	34.21	12.72
10/24/2022 15:30	29.7	31.3	10.92
10/24/2022 16:00	29.22	32.7	11.17
10/24/2022 16:30	28.46	41.04	13.97
10/24/2022 17:00	25.95	44.44	12.93
10/24/2022 17:30	23.84	47.25	11.95
10/24/2022 18:00	21.51	51.28	11.05
10/24/2022 18:30	19.83	54.39	10.37
10/24/2022 19:00	18.95	55.99	9.99
10/24/2022 19:30	19.32	56.07	10.36
10/24/2022 20:00	20.8	53.92	11.15
10/24/2022 20:30	20.25	54.77	10.87
10/24/2022 21:00	20.59	53.85	10.93
10/24/2022 21:30	19.83	55.2	10.6
10/24/2022 22:00	20.66	52.92	10.74
10/24/2022 22:30	21.27	55.46	12.01
10/24/2022 23:00	20.28	54.46	10.81
10/24/2022 23:30	20.99	56.13	11.93
10/25/2022 0:00	20.32	56.7	11.46
10/25/2022 0:30	21.24	56.56	12.29
10/25/2022 1:00	20.55	55.16	11.26
10/25/2022 1:30	21.53	54.46	11.98
10/25/2022 2:00	20.48	53.96	10.86
10/25/2022 2:30	21.32	54.44	11.78
10/25/2022 3:00	21.68	55.69	12.46
10/25/2022 3:30	21.59	53.72	11.82
10/25/2022 4:00	20.81	56.02	11.74
10/25/2022 4:30	21.09	57.24	12.33
10/25/2022 5:00	21.77	55.6	12.52
10/25/2022 5:30	21.14	55.4	11.87
10/25/2022 6:00	21.48	53.99	11.8
10/25/2022 6:30	21.48	53.59	11.69
10/25/2022 7:00	21.36	53.8	11.64
10/25/2022 7:30	20.64	52.53	10.61
10/25/2022 8:00	21.28	50.27	10.53
10/25/2022 8:30	21.03	51.53	10.68
10/25/2022 9:00	20.19	51.66	9.94

10/25/2022 9:30	18.12	54.27	8.76
10/25/2022 10:00	19.25	53.99	9.73
10/25/2022 10:30	21.13	53.16	11.24
10/25/2022 11:00	23.08	52.01	12.71
10/25/2022 11:30	24.51	51.09	13.76
10/25/2022 12:00	25.8	48.63	14.18
10/25/2022 12:30	26.39	46.74	14.11
10/25/2022 13:00	26.9	45.84	14.26
10/25/2022 13:30	27.49	44.89	14.47
10/25/2022 14:00	27.94	45.59	15.12
10/25/2022 14:30	27.69	45.9	15
10/25/2022 15:00	28	46	15.32
10/25/2022 15:30	27.31	47.57	15.22
10/25/2022 16:00	26.09	49.57	14.74
10/25/2022 16:30	25.35	51.3	14.6
10/25/2022 17:00	24.99	51.47	14.31
10/25/2022 17:30	23.83	52.64	13.59
10/25/2022 18:00	21.76	56.18	12.66
10/25/2022 18:30	20.09	60.71	12.28
10/25/2022 19:00	19.02	62.84	11.8
10/25/2022 19:30	19.51	61.24	11.86
10/25/2022 20:00	20.05	62.19	12.62
10/25/2022 20:30	20.89	60.34	12.94
10/25/2022 21:00	19.91	62.01	12.44
10/25/2022 21:30	21.22	59.94	13.15
10/25/2022 22:00	20.32	60.84	12.53
10/25/2022 22:30	20.61	57.48	11.94
10/25/2022 23:00	21.04	57.09	12.24
10/25/2022 23:30	20.5	57.47	11.84
10/26/2022 0:00	21.34	56.59	12.38
10/26/2022 0:30	21.66	55.32	12.34
10/26/2022 1:00	21.35	53.72	11.6
10/26/2022 1:30	20.78	56.65	11.88
10/26/2022 2:00	21.28	55.29	11.97
10/26/2022 2:30	20.64	55.08	11.32
10/26/2022 3:00	21.62	53.32	11.74
10/26/2022 3:30	21.66	52.32	11.49
10/26/2022 4:00	21.2	53.81	11.49
10/26/2022 4:30	19.99	55.18	10.74
10/26/2022 5:00	20.7	54.12	11.11
10/26/2022 5:30	21.04	53.15	11.15
10/26/2022 6:00	20.31	53.94	10.7
10/26/2022 6:30	21.36	52.58	11.29
10/26/2022 7:00	21.67	50.98	11.11
10/26/2022 7:30	21.48	50.41	10.76
10/26/2022 8:00	20.58	53.29	10.77
10/26/2022 8:30	20.85	53.76	11.15
10/26/2022 9:00	19.5	54.43	10.08
10/26/2022 9:30	19.16	56.37	10.29
10/26/2022 10:00	20.16	54.6	10.74
10/26/2022 10:30	21.61	52.53	11.5
10/26/2022 11:00	23.17	50.22	12.26
10/26/2022 11:30	24.38	47.89	12.64
10/26/2022 12:00	25.35	46.48	13.07
10/26/2022 12:30	25.8	45.12	13.03
10/26/2022 13:00	26.1	44.28	13.01
10/26/2022 13:30	26.16	44.21	13.04
10/26/2022 14:00	26.64	43.04	13.06
10/26/2022 14:30	26.51	42.52	12.76
10/26/2022 15:00	26.66	41.94	12.68
10/26/2022 15:30	25.72	44.09	12.6
10/26/2022 16:00	25.2	44.94	12.42
10/26/2022 16:30	24.14	45.72	11.72

10/26/2022 17:00	22.5	47.33	10.75
10/26/2022 17:30	21.23	47.72	9.72
10/26/2022 18:00	19.01	52	8.95
10/26/2022 18:30	20.44	53.21	10.61
10/26/2022 19:00	19.85	52.17	9.77
10/26/2022 19:30	20.69	50.81	10.15
10/26/2022 20:00	20.6	53.25	10.77
10/26/2022 20:30	21.34	49.77	10.44
10/26/2022 21:00	20.34	51.25	9.96
10/26/2022 21:30	21.29	51.88	11.02
10/26/2022 22:00	21.43	48.02	9.99
10/26/2022 22:30	20.47	50.45	9.85
10/26/2022 23:00	20.76	50.21	10.04
10/26/2022 23:30	21.08	49.42	10.1
10/27/2022 0:00	20.76	50.23	10.05
10/27/2022 0:30	21.04	50.98	10.52
10/27/2022 1:00	21.52	50.01	10.68
10/27/2022 1:30	21.82	50.37	11.07
10/27/2022 2:00	21.2	47.69	9.68
10/27/2022 2:30	20.63	49.12	9.59
10/27/2022 3:00	20.76	50.4	10.1
10/27/2022 3:30	21.32	50.29	10.58
10/27/2022 4:00	21.6	49.53	10.61
10/27/2022 4:30	21.35	51.69	11.02
10/27/2022 5:00	20.89	50.17	10.15
10/27/2022 5:30	20.7	47.57	9.18
10/27/2022 6:00	21.2	48.67	9.98
10/27/2022 6:30	21.3	47.96	9.85
10/27/2022 7:00	20.32	47.42	8.79
10/27/2022 7:30	20.68	48.21	9.36
10/27/2022 8:00	21.04	47.56	9.49
10/27/2022 8:30	19.69	49.29	8.78
10/27/2022 9:00	19.25	48.88	8.25
10/27/2022 9:30	18.51	51.52	8.35
10/27/2022 10:00	19.42	51.33	9.14
10/27/2022 10:30	21.01	48.9	9.87
10/27/2022 11:00	22.68	47.06	10.83
10/27/2022 11:30	23.85	45.6	11.42
10/27/2022 12:00	24.92	44.22	11.92
10/27/2022 12:30	25.5	43.46	12.19
10/27/2022 13:00	26.15	42.45	12.4
10/27/2022 13:30	26.6	42.07	12.67
10/27/2022 14:00	26.92	41.3	12.68
10/27/2022 14:30	27.7	36.38	11.45
10/27/2022 15:00	29.58	36.8	13.28
10/27/2022 15:30	28.39	35.32	11.61
10/27/2022 16:00	27.78	36.88	11.72
10/27/2022 16:30	27.2	37.65	11.52
10/27/2022 17:00	26.41	38.7	11.24
10/27/2022 17:30	24.59	44.57	11.74
10/27/2022 18:00	21.49	50.98	10.94
10/27/2022 18:30	19.41	54.57	10.04
10/27/2022 19:00	20.45	53.17	10.61
10/27/2022 19:30	20.73	53.27	10.9
10/27/2022 20:00	20.92	53.42	11.12
10/27/2022 20:30	21.15	51.36	10.74
10/27/2022 21:00	21.64	51.63	11.27
10/27/2022 21:30	21.3	53.14	11.39
10/27/2022 22:00	20.83	51.84	10.58
10/27/2022 22:30	21.34	52.2	11.16
10/27/2022 23:00	21.17	49.89	10.32
10/27/2022 23:30	20.8	51.96	10.59
10/28/2022 0:00	21.28	51.56	10.91

10/28/2022 0:30	21.23	51.7	10.92
10/28/2022 1:00	21.08	51.83	10.81
10/28/2022 1:30	20.86	51.41	10.48
10/28/2022 2:00	20.71	51.42	10.35
10/28/2022 2:30	20.62	51.39	10.26
10/28/2022 3:00	20.47	51.14	10.05
10/28/2022 3:30	20.98	49.3	9.96
10/28/2022 4:00	20.79	50.08	10.03
10/28/2022 4:30	20.07	51.63	9.83
10/28/2022 5:00	19.77	51.57	9.53
10/28/2022 5:30	20.29	50.2	9.6
10/28/2022 6:00	20.42	49.59	9.54
10/28/2022 6:30	19.75	50.66	9.25
10/28/2022 7:00	19.66	51.07	9.28
10/28/2022 7:30	19.92	49.85	9.17
10/28/2022 8:00	20.22	48.86	9.14
10/28/2022 8:30	20.65	48.34	9.38
10/28/2022 9:00	20.11	49.93	9.36
10/28/2022 9:30	20.27	50.6	9.7
10/28/2022 10:00	19.72	51.47	9.45
10/28/2022 10:30	21.47	49.82	10.58
10/28/2022 11:00	22.94	48.22	11.43
10/28/2022 11:30	24.1	47.21	12.17
10/28/2022 12:00	25.6	45.92	13.11
10/28/2022 12:30	25.86	45.38	13.16
10/28/2022 13:00	25.98	44.54	12.99
10/28/2022 13:30	25.22	45.58	12.66
10/28/2022 14:00	24.78	46.93	12.7
10/28/2022 14:30	24.12	47.75	12.36
10/28/2022 15:00	25.22	46.61	13
10/28/2022 15:30	24.49	47.05	12.48
10/28/2022 16:00	24.44	47.87	12.69
10/28/2022 16:30	22.64	50.49	11.85
10/28/2022 17:00	22.52	51.55	12.06
10/28/2022 17:30	21.34	53.06	11.41
10/28/2022 18:00	20.47	57.38	11.78
10/28/2022 18:30	21.05	57.74	12.42
10/28/2022 19:00	21.17	56.89	12.3
10/28/2022 19:30	21.3	56.81	12.4
10/28/2022 20:00	21.21	56.48	12.24
10/28/2022 20:30	21.15	55.88	12.01
10/28/2022 21:00	21	55.78	11.84
10/28/2022 21:30	20.95	53.63	11.21
10/28/2022 22:00	21.47	53.76	11.72
10/28/2022 22:30	20.84	53.04	10.93
10/28/2022 23:00	21.45	53.23	11.55
10/28/2022 23:30	21.46	50.95	10.9
10/29/2022 0:00	21.03	53.01	11.1
10/29/2022 0:30	21.31	52.64	11.26
10/29/2022 1:00	21.42	51.68	11.08
10/29/2022 1:30	21.24	52.15	11.05
10/29/2022 2:00	21.19	51.41	10.79
10/29/2022 2:30	20.56	50.26	9.87
10/29/2022 3:00	20.49	51.5	10.17
10/29/2022 3:30	19.79	51.11	9.41
10/29/2022 4:00	19.79	51.68	9.57
10/29/2022 4:30	19.73	50.85	9.28
10/29/2022 5:00	19.81	51.59	9.57
10/29/2022 5:30	20.09	50.58	9.53
10/29/2022 6:00	19.98	50.12	9.29
10/29/2022 6:30	19.03	50.6	8.57
10/29/2022 7:00	19.69	50.33	9.09
10/29/2022 7:30	19.96	49.67	9.14

10/29/2022 8:00	19.82	50.43	9.24
10/29/2022 8:30	19.98	50.08	9.28
10/29/2022 9:00	20.02	50.2	9.36
10/29/2022 9:30	20.49	48.86	9.39
10/29/2022 10:00	19.59	51.66	9.39
10/29/2022 10:30	21.47	50.11	10.66
10/29/2022 11:00	22.68	48.77	11.37
10/29/2022 11:30	23.72	47.5	11.92
10/29/2022 12:00	25.59	45.6	13
10/29/2022 12:30	26.23	44.38	13.16
10/29/2022 13:00	26.94	44.26	13.76
10/29/2022 13:30	27.5	43.09	13.85
10/29/2022 14:00	28.72	41.11	14.23
10/29/2022 14:30	28.75	41.47	14.39
10/29/2022 15:00	28.73	41.88	14.52
10/29/2022 15:30	27.38	43.13	13.76
10/29/2022 16:00	26.53	45.36	13.77
10/29/2022 16:30	26.04	45.09	13.23
10/29/2022 17:00	25.46	47.18	13.4
10/29/2022 17:30	24.24	49.04	12.88
10/29/2022 18:00	21.91	54.49	12.34
10/29/2022 18:30	20.18	58.08	11.7
10/29/2022 19:00	20.79	57.38	12.08
10/29/2022 19:30	21.01	57.5	12.32
10/29/2022 20:00	21	57.34	12.26
10/29/2022 20:30	21.18	57.01	12.35
10/29/2022 21:00	21.13	56.66	12.2
10/29/2022 21:30	21.17	56.53	12.21
10/29/2022 22:00	21.25	56.54	12.29
10/29/2022 22:30	20.93	55.98	11.84
10/29/2022 23:00	21.31	53.74	11.57
10/29/2022 23:30	21.47	54.42	11.91
10/30/2022 0:00	20.91	53.6	11.16
10/30/2022 0:30	21.17	54.34	11.61
10/30/2022 1:00	21.74	53.01	11.76
10/30/2022 1:30	20.88	52.94	10.94
10/30/2022 2:00	21.04	52.52	10.97
10/30/2022 2:30	20.84	52.32	10.73
10/30/2022 3:00	20.75	52.23	10.62
10/30/2022 3:30	20.79	51.5	10.45
10/30/2022 4:00	20.77	51.19	10.34
10/30/2022 4:30	20.64	51.36	10.27
10/30/2022 5:00	21.02	50.32	10.31
10/30/2022 5:30	20.4	51.09	9.96
10/30/2022 6:00	20.47	50.25	9.79
10/30/2022 6:30	20.27	49.99	9.52
10/30/2022 7:00	20.5	50.01	9.74
10/30/2022 7:30	20.06	49.99	9.34
10/30/2022 8:00	20.29	49.5	9.4
10/30/2022 8:30	19.8	51.12	9.42
10/30/2022 9:00	19.76	51.63	9.54
10/30/2022 9:30	19.44	54.87	10.15
10/30/2022 10:00	20.06	56.42	11.15
10/30/2022 10:30	22.03	54.47	12.44
10/30/2022 11:00	23.91	52.1	13.51
10/30/2022 11:30	25.08	50.12	13.99
10/30/2022 12:00	26.31	48.41	14.57
10/30/2022 12:30	26.92	46.35	14.46
10/30/2022 13:00	27.4	45.59	14.64
10/30/2022 13:30	27.66	45.55	14.86
10/30/2022 14:00	28.62	44.44	15.35
10/30/2022 14:30	29.07	44.02	15.61
10/30/2022 15:00	29.92	42.88	15.96

10/30/2022 15:30	28.05	45.18	15.09
10/30/2022 16:00	27.78	46.34	15.23
10/30/2022 16:30	27.5	46.22	14.94
10/30/2022 17:00	26.51	48.44	14.77
10/30/2022 17:30	25.21	51.65	14.57
10/30/2022 18:00	22.68	56.43	13.59
10/30/2022 18:30	20.87	60.35	12.92
10/30/2022 19:00	19.92	62.62	12.6
10/30/2022 19:30	19.5	64.57	12.66
10/30/2022 20:00	20.69	63.51	13.54
10/30/2022 20:30	20.72	60.62	12.85
10/30/2022 21:00	21.44	59.65	13.28
10/30/2022 21:30	21.31	59.55	13.13
10/30/2022 22:00	21.05	58.79	12.69
10/30/2022 22:30	20.93	58.06	12.39
10/30/2022 23:00	21.06	56.58	12.12
10/30/2022 23:30	21.59	56.94	12.71
10/31/2022 0:00	20.85	56.79	11.98
10/31/2022 0:30	21.42	56.77	12.5
10/31/2022 1:00	21.51	57.48	12.78
10/31/2022 1:30	20.71	56.25	11.7
10/31/2022 2:00	21.45	57.48	12.72
10/31/2022 2:30	20.74	56.99	11.93
10/31/2022 3:00	19.83	59.2	11.65
10/31/2022 3:30	19.98	59.33	11.83
10/31/2022 4:00	21.44	57.64	12.76
10/31/2022 4:30	21.28	57.15	12.47
10/31/2022 5:00	21.17	54.99	11.79
10/31/2022 5:30	21.52	55.82	12.34
10/31/2022 6:00	21.45	53.81	11.72
10/31/2022 6:30	21.18	54.15	11.56
10/31/2022 7:00	21.06	54.76	11.63
10/31/2022 7:30	21.13	54.98	11.74
10/31/2022 8:00	21.33	54.8	11.88
10/31/2022 8:30	21.25	53.99	11.59
10/31/2022 9:00	21.02	53.63	11.27
10/31/2022 9:30	21.57	53.8	11.83
10/31/2022 10:00	21.35	54.96	11.95
10/31/2022 10:30	21.49	56.53	12.51
10/31/2022 11:00	21.6	55.95	12.45
10/31/2022 11:30	22.64	56.77	13.64
10/31/2022 12:00	23.13	55.09	13.64
10/31/2022 12:30	24.35	53.12	14.21
10/31/2022 13:00	24.16	53.16	14.05
10/31/2022 13:30	23.54	54.11	13.74
10/31/2022 14:00	23.54	54.83	13.95
10/31/2022 14:30	24.74	52.64	14.43
10/31/2022 15:00	28.37	46.85	15.94
10/31/2022 15:30	26.41	50.05	15.19
10/31/2022 16:00	24.38	53.43	14.32
10/31/2022 16:30	23.88	55.24	14.38
10/31/2022 17:00	22.69	56.32	13.57
10/31/2022 17:30	21.73	59.74	13.57
10/31/2022 18:00	21.25	60.71	13.38
10/31/2022 18:30	20.25	62.72	12.93
10/31/2022 19:00	21.23	62.25	13.74
10/31/2022 19:30	20.74	61.13	13
10/31/2022 20:00	20.59	60.44	12.68
10/31/2022 20:30	20.76	59.21	12.53
10/31/2022 21:00	20.4	61.37	12.74
10/31/2022 21:30	20.81	61.89	13.26
10/31/2022 22:00	19.85	62.27	12.44
10/31/2022 22:30	20.28	61.64	12.69

10/31/2022 23:00	19.09	64.21	12.19
10/31/2022 23:30	18.79	65.6	12.23
11/1/2022 0:00	18.39	66.24	12
11/1/2022 0:30	18.1	65.9	11.65
11/1/2022 1:00	17.77	67.14	11.61
11/1/2022 1:30	17.96	66.57	11.67
11/1/2022 2:00	18.19	66.53	11.87
11/1/2022 2:30	18.29	67.1	12.1
11/1/2022 3:00	18.25	67.59	12.17
11/1/2022 3:30	18.29	67.9	12.28
11/1/2022 4:00	18.17	66.13	11.76
11/1/2022 4:30	18.27	65.65	11.75
11/1/2022 5:00	18.42	66.5	12.09
11/1/2022 5:30	18.52	66.46	12.17
11/1/2022 6:00	18.71	66.14	12.28
11/1/2022 6:30	19.24	65.31	12.59
11/1/2022 7:00	18.82	67.89	12.78
11/1/2022 7:30	19.35	67.54	13.2
11/1/2022 8:00	19	67.46	12.86
11/1/2022 8:30	19.5	67.25	13.28
11/1/2022 9:00	19.66	66.47	13.26
11/1/2022 9:30	20.05	66.71	13.69
11/1/2022 10:00	19.37	70	13.77
11/1/2022 10:30	18.71	71.31	13.43
11/1/2022 11:00	19.5	69.61	13.81
11/1/2022 11:30	19.15	71.33	13.86
11/1/2022 12:00	19.13	71.79	13.94
11/1/2022 12:30	18.57	71.95	13.44
11/1/2022 13:00	19.05	69.24	13.3
11/1/2022 13:30	18.29	70.37	12.83
11/1/2022 14:00	18.83	68.73	12.98
11/1/2022 14:30	22.16	60.68	14.22
11/1/2022 15:00	30.12	52.89	19.48
11/1/2022 15:30	24.32	53.44	14.28
11/1/2022 16:00	22.95	54.55	13.32
11/1/2022 16:30	22.03	54.37	12.41
11/1/2022 17:00	18.83	59.39	10.77
11/1/2022 17:30	20.37	56.45	11.45
11/1/2022 18:00	21.3	55.92	12.16
11/1/2022 18:30	20.58	57.08	11.8
11/1/2022 19:00	20.05	56.87	11.26
11/1/2022 19:30	19.88	57.33	11.22
11/1/2022 20:00	19.07	56.77	10.31
11/1/2022 20:30	19.72	58.08	11.26
11/1/2022 21:00	19.89	55.44	10.72
11/1/2022 21:30	20.37	55.23	11.11
11/1/2022 22:00	20.32	54.99	11
11/1/2022 22:30	19.61	54.84	10.3
11/1/2022 23:00	19.21	54.53	9.84
11/1/2022 23:30	18.84	55.7	9.81
11/2/2022 0:00	19.87	56.33	10.94
11/2/2022 0:30	19.98	55	10.68
11/2/2022 1:00	17.9	57.85	9.5
11/2/2022 1:30	19.89	55.72	10.8
11/2/2022 2:00	18.5	56.45	9.69
11/2/2022 2:30	18.59	58.12	10.22
11/2/2022 3:00	18.76	57.54	10.22
11/2/2022 3:30	18.37	57.74	9.91
11/2/2022 4:00	19.12	56.98	10.41
11/2/2022 4:30	19.54	55.23	10.34
11/2/2022 5:00	19.08	56.41	10.22
11/2/2022 5:30	19.56	54.78	10.23
11/2/2022 6:00	18.92	55.89	9.93

11/2/2022 6:30	18.25	57.17	9.65
11/2/2022 7:00	19.25	55.77	10.21
11/2/2022 7:30	19.35	54.85	10.05
11/2/2022 8:00	19.51	54.29	10.05
11/2/2022 8:30	19.52	53.86	9.94
11/2/2022 9:00	18.21	56.53	9.44
11/2/2022 9:30	17.63	59.37	9.63
11/2/2022 10:00	18.24	58.32	9.94
11/2/2022 10:30	20.79	55.34	11.53
11/2/2022 11:00	23	50.06	12.06
11/2/2022 11:30	23.46	48.91	12.13
11/2/2022 12:00	21.5	50.96	10.95
11/2/2022 12:30	20.9	52.4	10.81
11/2/2022 13:00	22.48	50.28	11.64
11/2/2022 13:30	24.97	46.23	12.64
11/2/2022 14:00	25.8	44.09	12.67
11/2/2022 14:30	27.23	43.32	13.69
11/2/2022 14:35			Logged
11/2/2022 15:00	24.78	46.31	12.5
11/2/2022 15:30	24.87	45.61	12.35
11/2/2022 16:00	23.58	46.66	11.52
11/2/2022 16:30	21.16	51.52	10.79
11/2/2022 17:00	21.32	53.4	11.48
11/2/2022 17:30	20.77	52.62	10.75
11/2/2022 18:00	20.36	52.56	10.36
11/2/2022 18:30	19.73	54.49	10.31
11/2/2022 19:00	20.55	54.9	11.18
11/2/2022 19:30	20.18	54.53	10.74
11/2/2022 20:00	19.98	54.59	10.57
11/2/2022 20:30	20.15	52.78	10.22
11/2/2022 21:00	19.88	53.65	10.22
11/2/2022 21:30	19.87	54.99	10.58
11/2/2022 22:00	20.4	53.28	10.59
11/2/2022 22:30	20.48	54.7	11.07
11/2/2022 23:00	20.29	54.23	10.76
11/2/2022 23:30	20.18	52.96	10.3
11/3/2022 0:00	20.01	52.47	10.01
11/3/2022 0:30	19.23	53.63	9.61
11/3/2022 1:00	19.31	52.55	9.38
11/3/2022 1:30	19.25	52.3	9.25
11/3/2022 2:00	19.17	52.1	9.13
11/3/2022 2:30	19.06	51.88	8.96
11/3/2022 3:00	18.94	51.54	8.75
11/3/2022 3:30	18.92	51.25	8.65
11/3/2022 4:00	18.64	51.32	8.41
11/3/2022 4:30	18.38	51.22	8.14
11/3/2022 5:00	18.15	51.18	7.92
11/3/2022 5:30	18.1	50.98	7.82
11/3/2022 6:00	18.07	50.7	7.71
11/3/2022 6:30	18.09	50.35	7.62
11/3/2022 7:00	17.94	49.99	7.38
11/3/2022 7:30	17.87	50.41	7.43
11/3/2022 8:00	17.76	50.16	7.26
11/3/2022 8:30	18.58	49.76	7.91
11/3/2022 9:00	18.25	51.64	8.14
11/3/2022 9:30	18.12	50.39	7.67
11/3/2022 10:00	18.64	50.11	8.06
11/3/2022 10:30	18.57	50.11	8
11/3/2022 11:00	19.65	47.87	8.31
11/3/2022 11:30	20.72	47.3	9.11
11/3/2022 12:00	21.59	45.51	9.33
11/3/2022 12:30	22.52	44.12	9.71
11/3/2022 13:00	22.33	44.3	9.6

11/3/2022 13:30	22.91	43.37	9.81
11/3/2022 14:00	23.59	42.02	9.96
11/3/2022 14:30	23.86	42.56	10.39
11/3/2022 15:00	23.73	42.79	10.35
11/3/2022 15:30	23	42.21	9.49
11/3/2022 16:00	22.78	41.54	9.05
11/3/2022 16:30	22.43	43.68	9.49
11/3/2022 17:00	21.92	41.33	8.21
11/3/2022 17:30	21.99	45.04	9.55
11/3/2022 18:00	20.83	48.29	9.52
11/3/2022 18:30	20.33	50.24	9.66
11/3/2022 19:00	19.87	49.62	9.05
11/3/2022 19:30	20.1	49.55	9.23
11/3/2022 20:00	20.25	50.59	9.68
11/3/2022 20:30	21	48.2	9.65
11/3/2022 21:00	20.7	48.71	9.53
11/3/2022 21:30	21	47.68	9.49
11/3/2022 22:00	20.46	47.91	9.07
11/3/2022 22:30	19.97	48.29	8.73
11/3/2022 23:00	19.2	48.53	8.1
11/3/2022 23:30	18.64	48.83	7.68
11/4/2022 0:00	19.11	47.79	7.79
11/4/2022 0:30	19.54	46.45	7.77
11/4/2022 1:00	19.13	48.05	7.9
11/4/2022 1:30	19	47.35	7.56
11/4/2022 2:00	19.22	46.59	7.52
11/4/2022 2:30	19.2	46.15	7.36
11/4/2022 3:00	18.68	47.36	7.27
11/4/2022 3:30	18.91	47.03	7.37
11/4/2022 4:00	18.83	47.43	7.43
11/4/2022 4:30	19.42	46.06	7.54
11/4/2022 5:00	19.37	46.33	7.57
11/4/2022 5:30	19.27	46.6	7.57
11/4/2022 6:00	19.15	46.68	7.49
11/4/2022 6:30	19.06	47.18	7.56
11/4/2022 7:00	18.55	47.82	7.29
11/4/2022 7:30	18.47	48.71	7.48
11/4/2022 8:00	18.8	49.58	8.05
11/4/2022 8:30	19.15	49.65	8.39
11/4/2022 9:00	19.42	49.01	8.45
11/4/2022 9:30	19.94	49.2	8.98
11/4/2022 10:00	20.43	49.13	9.41
11/4/2022 10:30	20.69	48.23	9.37
11/4/2022 11:00	21.16	49.56	10.21
11/4/2022 11:30	21.77	49.08	10.63
11/4/2022 12:00	21.02	51.95	10.79
11/4/2022 12:30	20.77	53.4	10.98
11/4/2022 13:00	20.83	54.25	11.26
11/4/2022 13:30	22.84	50.04	11.9
11/4/2022 14:00	22.81	51.22	12.23
11/4/2022 14:30	22.68	52.42	12.46
11/4/2022 15:00	27.95	43.99	14.58
11/4/2022 15:30	23.24	49.27	12.03
11/4/2022 16:00	22.39	52.4	12.19
11/4/2022 16:30	22.2	51.62	11.78
11/4/2022 17:00	20.57	54.7	11.15
11/4/2022 17:30	21.13	53.56	11.35
11/4/2022 18:00	20.94	56.36	11.95
11/4/2022 18:30	20.34	54.88	10.99
11/4/2022 19:00	20.32	56.16	11.32
11/4/2022 19:30	20.72	55.82	11.59
11/4/2022 20:00	20.74	55.01	11.4
11/4/2022 20:30	20.59	54.54	11.12

11/4/2022 21:00	21.48	53.19	11.57
11/4/2022 21:30	21.07	54.73	11.63
11/4/2022 22:00	20.96	52.24	10.82
11/4/2022 22:30	20.95	54.79	11.53
11/4/2022 23:00	19.99	55.18	10.74
11/4/2022 23:30	20.14	55.98	11.1
11/5/2022 0:00	20.86	54.82	11.45
11/5/2022 0:30	21.55	53.5	11.73
11/5/2022 1:00	20.54	54.82	11.15
11/5/2022 1:30	21.04	54.98	11.67
11/5/2022 2:00	20.33	57.14	11.59
11/5/2022 2:30	20.72	56.16	11.69
11/5/2022 3:00	20.96	54.63	11.5
11/5/2022 3:30	20.88	57.77	12.27
11/5/2022 4:00	21.66	57.09	12.82
11/5/2022 4:30	20.06	63.82	13.02
11/5/2022 5:00	20.5	63.44	13.34
11/5/2022 5:30	20.22	60.71	12.41
11/5/2022 6:00	21.35	58.24	12.83
11/5/2022 6:30	20.59	58.35	12.15
11/5/2022 7:00	20.81	57.23	12.06
11/5/2022 7:30	21.22	56.52	12.26
11/5/2022 8:00	20.29	58.07	11.79
11/5/2022 8:30	21.64	54.08	11.97
11/5/2022 9:00	21.4	56.62	12.45
11/5/2022 9:30	20.8	58.34	12.35
11/5/2022 10:00	20.76	60.66	12.9
11/5/2022 10:30	20.09	62.54	12.73
11/5/2022 11:00	20.06	63.36	12.91
11/5/2022 11:30	20.17	62.79	12.87
11/5/2022 12:00	19.71	66.93	13.41
11/5/2022 12:30	19.66	67.26	13.44
11/5/2022 13:00	19.86	67.7	13.73
11/5/2022 13:30	19.18	69.31	13.45
11/5/2022 14:00	19.24	70.01	13.65
11/5/2022 14:30	19.69	70.11	14.11
11/5/2022 15:00	20.35	68.39	14.36
11/5/2022 15:30	19.61	69.71	13.95
11/5/2022 16:00	19.52	72.05	14.37
11/5/2022 16:30	20.09	70.97	14.68
11/5/2022 17:00	19.8	71.85	14.59
11/5/2022 17:30	19.15	73.56	14.34
11/5/2022 18:00	19.38	72.53	14.33
11/5/2022 18:30	19.27	73.15	14.36
11/5/2022 19:00	19.12	73.56	14.3
11/5/2022 19:30	19.82	70.51	14.32
11/5/2022 20:00	19.88	70.43	14.36
11/5/2022 20:30	20.37	67.56	14.19
11/5/2022 21:00	19.99	69.85	14.34
11/5/2022 21:30	20.49	69.4	14.72
11/5/2022 22:00	20.53	71.59	15.23
11/5/2022 22:30	19.84	72.16	14.7
11/5/2022 23:00	20.13	70.66	14.65
11/5/2022 23:30	20.01	71.31	14.68
11/6/2022 0:00	20.05	72.48	14.97
11/6/2022 0:30	19.37	72.45	14.31
11/6/2022 1:00	19.98	69.89	14.34
11/6/2022 1:30	20.63	67.56	14.44
11/6/2022 1:00	20.35	68.04	14.28
11/6/2022 1:30	18.89	71.33	13.61
11/6/2022 2:00	18.93	67.39	12.77
11/6/2022 2:30	19.73	63.13	12.54
11/6/2022 3:00	20.71	60.76	12.87

11/6/2022 3:30	21.25	59.37	13.04
11/6/2022 4:00	21.47	60.64	13.56
11/6/2022 4:30	21.22	59.82	13.12
11/6/2022 5:00	21.63	58.95	13.28
11/6/2022 5:30	21.67	57.72	13
11/6/2022 6:00	20.51	61.71	12.93
11/6/2022 6:30	20.55	61.57	12.93
11/6/2022 7:00	21.32	60.79	13.46
11/6/2022 7:30	21.48	57.23	12.69
11/6/2022 8:00	19.32	59.51	11.26
11/6/2022 8:30	20.02	59.4	11.89
11/6/2022 9:00	20.28	57.58	11.66
11/6/2022 9:30	19.4	60.35	11.54
11/6/2022 10:00	20.57	59.14	12.33
11/6/2022 10:30	21.96	56.63	12.98
11/6/2022 11:00	22.68	54.37	13.02
11/6/2022 11:30	22.69	55.42	13.32
11/6/2022 12:00	23.39	53.9	13.54
11/6/2022 12:30	24.06	52.17	13.67
11/6/2022 13:00	24.88	51.39	14.19
11/6/2022 13:30	24.71	50.95	13.9
11/6/2022 14:00	24.19	51	13.44
11/6/2022 14:30	23.23	52.27	12.92
11/6/2022 15:00	22.41	53.03	12.39
11/6/2022 15:30	22.54	52.62	12.39
11/6/2022 16:00	21.43	55.1	12.06
11/6/2022 16:30	20	57.21	11.3
11/6/2022 17:00	18.92	58.96	10.74
11/6/2022 17:30	18.14	62.77	10.95
11/6/2022 18:00	17.66	64.9	11
11/6/2022 18:30	17.66	64.48	10.9
11/6/2022 19:00	17.51	64.27	10.71
11/6/2022 19:30	17.17	65.49	10.66
11/6/2022 20:00	17.95	64.02	11.06
11/6/2022 20:30	17.58	63.68	10.63
11/6/2022 21:00	17.46	65.02	10.83
11/6/2022 21:30	17.11	65.17	10.54
11/6/2022 22:00	17.02	66.5	10.75
11/6/2022 22:30	17.32	66.29	10.99
11/6/2022 23:00	17.38	66.12	11.01
11/6/2022 23:30	17.22	67.28	11.12
11/7/2022 0:00	17.1	69.27	11.45
11/7/2022 0:30	17.03	70.42	11.63
11/7/2022 1:00	17.04	72.96	12.17
11/7/2022 1:30	19.29	66.11	12.83
11/7/2022 2:00	20.76	61.43	13.1
11/7/2022 2:30	19.25	61.68	11.73
11/7/2022 3:00	17.95	61.62	10.49
11/7/2022 3:30	19.12	60.55	11.33
11/7/2022 4:00	19.15	57.79	10.66
11/7/2022 4:30	17.89	60.19	10.08
11/7/2022 5:00	18.36	61.21	10.77
11/7/2022 5:30	18.33	60.56	10.58
11/7/2022 6:00	18.57	59.86	10.64
11/7/2022 6:30	18.22	59.65	10.26
11/7/2022 7:00	18.15	58.67	9.95
11/7/2022 7:30	18.48	58.79	10.28
11/7/2022 8:00	17.66	62.1	10.33
11/7/2022 8:30	17.93	62.53	10.69
11/7/2022 9:00	19	60.17	11.12
11/7/2022 9:30	18.91	60.84	11.2
11/7/2022 10:00	20.29	56.61	11.41
11/7/2022 10:30	20.19	56.2	11.21

11/7/2022 11:00	21.3	55.23	11.97
11/7/2022 11:30	21.8	53.09	11.84
11/7/2022 12:00	22.78	51.12	12.17
11/7/2022 12:30	23.44	49.33	12.24
11/7/2022 13:00	21.38	53.79	11.65
11/7/2022 13:30	19.71	56.05	10.72
11/7/2022 14:00	20.18	56.36	11.24
11/7/2022 14:30	19.97	56.42	11.06
11/7/2022 15:00	19.44	57.13	10.75
11/7/2022 15:30	18.53	56.85	9.83
11/7/2022 16:00	18.32	58.23	9.98
11/7/2022 16:30	18.64	58.64	10.39
11/7/2022 17:00	18.48	59.65	10.5
11/7/2022 17:30	18.18	59.3	10.13
11/7/2022 18:00	18.38	60.49	10.62
11/7/2022 18:30	18.3	59.97	10.42
11/7/2022 19:00	18.46	59.92	10.54
11/7/2022 19:30	18.15	63.44	11.12
11/7/2022 20:00	19.2	62.65	11.92
11/7/2022 20:30	19.86	61.53	12.27
11/7/2022 21:00	20.01	61.3	12.35
11/7/2022 21:30	20.74	59.53	12.59
11/7/2022 22:00	21.27	57.91	12.67
11/7/2022 22:30	21.16	58.16	12.63
11/7/2022 23:00	20.92	58.52	12.5
11/7/2022 23:30	20.96	57.9	12.38
11/8/2022 0:00	20.92	57.03	12.11
11/8/2022 0:30	20.85	56.63	11.93
11/8/2022 1:00	20.33	58.48	11.94
11/8/2022 1:30	20.58	58.21	12.1
11/8/2022 2:00	20.05	60.19	12.12
11/8/2022 2:30	19.46	61.17	11.81
11/8/2022 3:00	18.09	64.99	11.42
11/8/2022 3:30	17.03	66.11	10.67
11/8/2022 4:00	18.33	65.03	11.66
11/8/2022 4:30	18.79	64.98	12.08
11/8/2022 5:00	17.75	65.26	11.16
11/8/2022 5:30	19.03	65.95	12.54
11/8/2022 6:00	19.25	64.39	12.38
11/8/2022 6:30	19.45	64.13	12.51
11/8/2022 7:00	18.56	65.37	11.96
11/8/2022 7:30	18.64	65.43	12.05
11/8/2022 8:00	19.01	64.26	12.13
11/8/2022 8:30	19.07	63.37	11.97
11/8/2022 9:00	19.48	62.06	12.05
11/8/2022 9:30	19.3	62.6	12.01
11/8/2022 10:00	20.53	60.97	12.76
11/8/2022 10:30	20.92	57.23	12.16
11/8/2022 11:00	19.25	60.15	11.35
11/8/2022 11:30	19.16	61.67	11.65
11/8/2022 12:00	18.7	62.27	11.36
11/8/2022 12:30	18.98	62.41	11.65
11/8/2022 13:00	18.17	64.8	11.45
11/8/2022 13:30	18.76	62.67	11.51
11/8/2022 14:00	19.75	60.56	11.93
11/8/2022 14:30	24.79	53.71	14.79
11/8/2022 15:00	23.68	54.61	14.01
11/8/2022 15:30	24.24	55.96	14.91
11/8/2022 16:00	25.99	51.37	15.21
11/8/2022 16:30	24.25	54.96	14.64
11/8/2022 17:00	22.99	55.93	13.74
11/8/2022 17:30	22.38	57.4	13.57
11/8/2022 18:00	22.27	59.04	13.91

11/8/2022 18:30	21.59	59.25	13.32
11/8/2022 19:00	21.19	59.88	13.11
11/8/2022 19:30	20.94	59.78	12.85
11/8/2022 20:00	20.91	61.53	13.26
11/8/2022 20:30	20.64	60.96	12.87
11/8/2022 21:00	20.04	59.09	11.83
11/8/2022 21:30	19.58	60.34	11.71
11/8/2022 22:00	19.92	62.21	12.5
11/8/2022 22:30	19.87	61.47	12.26
11/8/2022 23:00	19.39	60.68	11.61
11/8/2022 23:30	19.46	62.24	12.07
11/9/2022 0:00	18.93	59.55	10.9
11/9/2022 0:30	18.88	61.63	11.37
11/9/2022 1:00	18.87	61.68	11.38
11/9/2022 1:30	19.13	62.04	11.71
11/9/2022 2:00	18.58	61.29	11.01
11/9/2022 2:30	18.38	60.6	10.64
11/9/2022 3:00	18.86	62.16	11.48
11/9/2022 3:30	19.01	60.96	11.33
11/9/2022 4:00	18.96	60.64	11.2
11/9/2022 4:30	18.69	60.88	11.01
11/9/2022 5:00	18.89	61.46	11.34
11/9/2022 5:30	19.16	61.32	11.56
11/9/2022 6:00	19.23	61.23	11.6
11/9/2022 6:30	19.35	60.9	11.63
11/9/2022 7:00	19.41	60.52	11.59
11/9/2022 7:30	20.01	60.78	12.22
11/9/2022 8:00	21.52	58.33	13.02
11/9/2022 8:30	23.55	55.09	14.03
11/9/2022 9:00	25.88	51.21	15.05
11/9/2022 9:30	28.59	48.87	16.81
11/9/2022 10:00	31.29	44.08	17.63
11/9/2022 10:30	28.37	40.74	13.77
11/9/2022 11:00	25.3	44.79	12.46
11/9/2022 11:30	22.84	47.88	11.24
11/9/2022 12:00	22.57	49.48	11.49
11/9/2022 12:30	24.77	46.59	12.58
11/9/2022 13:00	21.3	51.21	10.83
11/9/2022 13:30	19.74	55.16	10.51
11/9/2022 14:00	22.04	50.52	11.31
11/9/2022 14:30	22.85	48.51	11.44
11/9/2022 15:00	22.33	49.95	11.4
11/9/2022 15:30	22.11	49.86	11.18
11/9/2022 16:00	22.36	49.17	11.2
11/9/2022 16:30	20.57	52.75	10.6
11/9/2022 17:00	19.92	56.83	11.13
11/9/2022 17:30	20.5	58.47	12.1
11/9/2022 18:00	20.75	57.29	12.02
11/9/2022 18:30	20.74	56.68	11.85
11/9/2022 19:00	21.21	54.59	11.72
11/9/2022 19:30	21.2	54	11.54
11/9/2022 20:00	21.09	54.21	11.5
11/9/2022 20:30	20.87	54	11.23
11/9/2022 21:00	20.63	53.97	11.01
11/9/2022 21:30	20.37	53.97	10.77
11/9/2022 22:00	20.37	53.55	10.65
11/9/2022 22:30	20.21	53.77	10.56
11/9/2022 23:00	20.07	53.81	10.44
11/9/2022 23:30	20.04	53.43	10.31
11/10/2022 0:00	19.95	53.09	10.12
11/10/2022 0:30	19.85	52.81	9.95
11/10/2022 1:00	19.74	52.8	9.85
11/10/2022 1:30	19.59	52.64	9.67

11/10/2022 2:00	19.53	52.29	9.51
11/10/2022 2:30	19.23	52.33	9.24
11/10/2022 3:00	19.11	52.37	9.15
11/10/2022 3:30	19.05	51.83	8.93
11/10/2022 4:00	18.93	51.79	8.81
11/10/2022 4:30	18.86	51.95	8.8
11/10/2022 5:00	18.85	51.77	8.74
11/10/2022 5:30	18.78	51.52	8.6
11/10/2022 6:00	18.65	51.41	8.44
11/10/2022 6:30	18.64	52.06	8.62
11/10/2022 7:00	18.62	51.08	8.32
11/10/2022 7:30	19.2	51.66	9.02
11/10/2022 8:00	19.07	52.2	9.06
11/10/2022 8:30	17.98	53.94	8.54
11/10/2022 9:00	18.88	53.08	9.14
11/10/2022 9:30	18.82	52.86	9.02
11/10/2022 10:00	20.55	50.8	10.02
11/10/2022 10:30	20.74	51.03	10.27
11/10/2022 11:00	22.48	49.36	11.36
11/10/2022 11:30	22.36	48.99	11.14
11/10/2022 12:00	22.78	47.91	11.19
11/10/2022 12:30	23.84	45.74	11.45
11/10/2022 13:00	24.58	45.32	11.99
11/10/2022 13:30	24.28	45.42	11.75
11/10/2022 14:00	23.84	46.19	11.6
11/10/2022 14:30	23.34	48.41	11.85
11/10/2022 15:00	26.69	43.19	13.16
11/10/2022 15:30	23.25	47.39	11.45
11/10/2022 16:00	22.92	48.16	11.39
11/10/2022 16:30	21.1	53.08	11.19
11/10/2022 17:00	20.53	54.9	11.17
11/10/2022 17:30	19.92	55.17	10.68
11/10/2022 18:00	20.36	54.41	10.88
11/10/2022 18:30	20.21	53.57	10.51
11/10/2022 19:00	20.94	51.72	10.65
11/10/2022 19:30	20.74	50.66	10.16
11/10/2022 20:00	20.57	52.35	10.49
11/10/2022 20:30	19.21	54.17	9.74
11/10/2022 21:00	19.18	53.97	9.66
11/10/2022 21:30	19.2	53.09	9.43
11/10/2022 22:00	18.99	53.45	9.34
11/10/2022 22:30	19.47	52.61	9.55
11/10/2022 23:00	19.43	51.23	9.12
11/10/2022 23:30	19.36	51.1	9.01
11/11/2022 0:00	19.23	50.69	8.77
11/11/2022 0:30	19.02	50.86	8.63
11/11/2022 1:00	18.92	51.05	8.59
11/11/2022 1:30	18.88	51.2	8.6
11/11/2022 2:00	18.67	50.66	8.25
11/11/2022 2:30	18.54	50.69	8.14
11/11/2022 3:00	18.52	50.59	8.09
11/11/2022 3:30	18.41	50.4	7.94
11/11/2022 4:00	18.22	50.25	7.71
11/11/2022 4:30	18.08	49.72	7.43
11/11/2022 5:00	17.93	49.51	7.23
11/11/2022 5:30	17.85	49.24	7.08
11/11/2022 6:00	17.65	49.12	6.86
11/11/2022 6:30	17.63	49.13	6.84
11/11/2022 7:00	17.46	48.85	6.6
11/11/2022 7:30	18.09	49.5	7.38
11/11/2022 8:00	18.71	51.07	8.41
11/11/2022 8:30	19.09	50.78	8.67
11/11/2022 9:00	19.69	48.75	8.62

11/11/2022 9:30	19.95	49.08	8.95
11/11/2022 10:00	20.4	49.26	9.42
11/11/2022 10:30	21.29	48.21	9.92
11/11/2022 11:00	21.87	48.13	10.42
11/11/2022 11:30	21.99	48.64	10.7
11/11/2022 12:00	22.14	48.01	10.64
11/11/2022 12:30	23.89	45.51	11.43
11/11/2022 13:00	23.59	46.31	11.42
11/11/2022 13:30	22.97	47.15	11.12
11/11/2022 14:00	22.76	48.14	11.24
11/11/2022 14:30	22.94	48.14	11.41
11/11/2022 15:00	21.09	52.2	10.93
11/11/2022 15:30	20.65	54.74	11.24
11/11/2022 16:00	21.19	52.6	11.13
11/11/2022 16:30	21.6	51.55	11.21
11/11/2022 17:00	20.35	54.49	10.89
11/11/2022 17:30	20.55	55.13	11.25
11/11/2022 18:00	20.36	54.59	10.93
11/11/2022 18:30	20.79	53.03	10.89
11/11/2022 19:00	20.05	54.69	10.67
11/11/2022 19:30	19.75	54.96	10.46
11/11/2022 20:00	20.18	52.78	10.25
11/11/2022 20:30	20.22	52.5	10.21
11/11/2022 21:00	19.56	53.48	9.87
11/11/2022 21:30	19.75	52.33	9.73
11/11/2022 22:00	19.66	51.6	9.43
11/11/2022 22:30	19.52	51.66	9.32
11/11/2022 23:00	19.39	51.24	9.08
11/11/2022 23:30	19.33	51.03	8.97
11/12/2022 0:00	19.41	51.36	9.13
11/12/2022 0:30	19.42	52.12	9.36
11/12/2022 1:00	19.37	51.79	9.22
11/12/2022 1:30	19.43	51.94	9.32
11/12/2022 2:00	19.09	52.15	9.06
11/12/2022 2:30	19.41	51.96	9.31
11/12/2022 3:00	19.66	52.12	9.58
11/12/2022 3:30	20.45	51.49	10.13
11/12/2022 4:00	20.05	52.57	10.07
11/12/2022 4:30	20.21	52.11	10.09
11/12/2022 5:00	19.69	54.1	10.17
11/12/2022 5:30	20.29	53.27	10.49
11/12/2022 6:00	21.04	51.77	10.76
11/12/2022 6:30	20.34	52.48	10.32
11/12/2022 7:00	20.53	51.37	10.17
11/12/2022 7:30	20.5	51.61	10.22
11/12/2022 8:00	19.79	52.26	9.74
11/12/2022 8:30	20.6	52.4	10.53
11/12/2022 9:00	21.03	50.98	10.52
11/12/2022 9:30	20.89	50.63	10.28
11/12/2022 10:00	21.3	51.42	10.89
11/12/2022 10:30	20.91	52.55	10.86
11/12/2022 11:00	23.36	48.29	11.84
11/12/2022 11:30	23.56	48.6	12.12
11/12/2022 12:00	24.18	47.67	12.4
11/12/2022 12:30	24.51	46.92	12.46
11/12/2022 13:00	25.22	46.22	12.87
11/12/2022 13:30	24.98	46.21	12.64
11/12/2022 14:00	24.59	47.58	12.74
11/12/2022 14:30	23.5	49.18	12.24
11/12/2022 15:00	22.88	49.87	11.89
11/12/2022 15:30	23.22	48.86	11.89
11/12/2022 16:00	22.71	49.48	11.62
11/12/2022 16:30	20.92	53.81	11.23

11/12/2022 17:00	20.47	55.81	11.36
11/12/2022 17:30	20.49	56.35	11.53
11/12/2022 18:00	20.32	55.69	11.19
11/12/2022 18:30	21.32	54.27	11.73
11/12/2022 19:00	20.91	55.42	11.67
11/12/2022 19:30	21.01	54.71	11.56
11/12/2022 20:00	20.89	54.9	11.5
11/12/2022 20:30	20.62	54.81	11.23
11/12/2022 21:00	20.74	55.12	11.42
11/12/2022 21:30	21.22	53.32	11.37
11/12/2022 22:00	20.43	53.73	10.75
11/12/2022 22:30	20.79	53.26	10.96
11/12/2022 23:00	19.95	54	10.38
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11/15/2022 5:00	18.09	47.73	6.84
11/15/2022 5:30	18.34	48.6	7.33
11/15/2022 6:00	18.42	48.07	7.25
11/15/2022 6:30	18.43	47.05	6.95
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11/15/2022 7:30	19.13	45.7	7.16

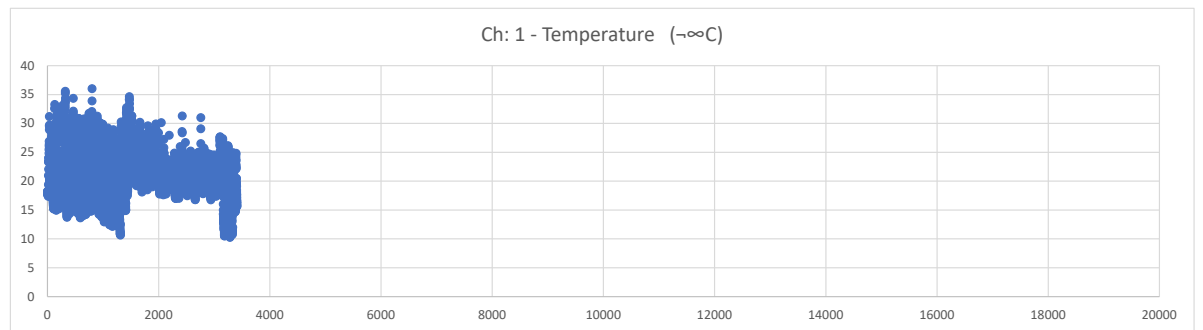
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11/16/2022 14:00	24.23	42.2	10.59
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11/17/2022 7:30	18.99	45.09	6.84
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11/20/2022 6:00	18.47	36.38	3.29
11/20/2022 6:30	18.53	36.15	3.25
11/20/2022 7:00	18.65	35.84	3.23
11/20/2022 7:30	19.15	36.68	4.01
11/20/2022 8:00	19.84	36.35	4.49
11/20/2022 8:30	19.25	44.8	6.98
11/20/2022 9:00	19.86	43.77	7.19
11/20/2022 9:30	20.15	42.67	7.08
11/20/2022 10:00	20.28	43.73	7.56
11/20/2022 10:30	21.58	42.77	8.4
11/20/2022 11:00	22.43	42.26	9
11/20/2022 11:30	22.46	41.89	8.89
11/20/2022 12:00	23.86	40.52	9.66
11/20/2022 12:30	23.98	40.46	9.74
11/20/2022 13:00	24.53	40.23	10.14
11/20/2022 13:30	24.39	40.36	10.07

11/20/2022 14:00	24.08	41.12	10.07
11/20/2022 14:30	23.47	42.86	10.14
11/20/2022 15:00	22.77	43.51	9.73
11/20/2022 15:30	22.1	45	9.63
11/20/2022 16:00	22.09	45.1	9.66
11/20/2022 16:30	21.73	46.64	9.82
11/20/2022 17:00	20.37	50.05	9.64
11/20/2022 17:30	20.73	48.87	9.61
11/20/2022 18:00	20.02	48.54	8.86
11/20/2022 18:30	20.75	47.9	9.33
11/20/2022 19:00	20.32	47.95	8.95
11/20/2022 19:30	19.6	48.13	8.35
11/20/2022 20:00	19.87	46.57	8.11
11/20/2022 20:30	19.74	46.05	7.83
11/20/2022 21:00	19.56	46.02	7.65
11/20/2022 21:30	19.07	46.9	7.48
11/20/2022 22:00	18.98	45.61	6.99
11/20/2022 22:30	18.72	45.97	6.87
11/20/2022 23:00	18.42	45.64	6.49
11/20/2022 23:30	18.27	45.57	6.34
11/21/2022 0:00	17.92	45.43	5.97
11/21/2022 0:30	17.75	45.5	5.83
11/21/2022 1:00	17.62	45.39	5.68
11/21/2022 1:30	17.38	44.89	5.31
11/21/2022 2:00	18.12	43.45	5.51
11/21/2022 2:30	18.25	42.34	5.26
11/21/2022 3:00	18.23	41.93	5.1
11/21/2022 3:30	18.23	41.69	5.01
11/21/2022 4:00	18.07	41.13	4.67
11/21/2022 4:30	17.99	40.39	4.35
11/21/2022 5:00	17.81	39.68	3.93
11/21/2022 5:30	17.76	39.44	3.8
11/21/2022 6:00	18.13	38.51	3.8
11/21/2022 6:30	18.29	37.61	3.6
11/21/2022 7:00	18.25	37.55	3.54
11/21/2022 7:30	18.64	38.57	4.27
11/21/2022 8:00	19.57	38.77	5.17
11/21/2022 8:30	19.13	44.08	6.63
11/21/2022 9:00	19.39	44.02	6.85
11/21/2022 9:30	20.44	43.05	7.47
11/21/2022 10:00	20.6	43.85	7.89
11/21/2022 10:30	21.58	43.33	8.6
11/21/2022 11:00	22.52	42.64	9.21
11/21/2022 11:30	22.38	42.5	9.04
11/21/2022 12:00	23.82	41.44	9.95
11/21/2022 12:30	24	40.39	9.73
11/21/2022 13:00	24.54	40.17	10.13
11/21/2022 13:30	23.7	41.59	9.9
11/21/2022 14:00	23.59	41.43	9.74
11/21/2022 14:30	23.07	42.39	9.61
11/21/2022 15:00	22.94	43.48	9.88
11/21/2022 15:30	22.88	43.94	9.99
11/21/2022 16:00	22.77	44.31	10
11/21/2022 16:30	21.63	48.44	10.3
11/21/2022 17:00	20.92	48.76	9.75
11/21/2022 17:30	20.49	50.67	9.93
11/21/2022 18:00	20.8	49.12	9.75
11/21/2022 18:30	20.46	47.7	9
11/21/2022 19:00	19.67	50.09	9
11/21/2022 19:30	20.3	47.63	8.83
11/21/2022 20:00	19.57	48.17	8.33
11/21/2022 20:30	19.13	48.66	8.08
11/21/2022 21:00	19.43	46.48	7.68



11/21/2022 21:30	19.45	46.09	7.58
11/21/2022 22:00	19.32	46	7.43
11/21/2022 22:30	18.67	47.87	7.42
11/21/2022 23:00	18.76	46.43	7.05
11/21/2022 23:30	18.57	46.12	6.78
11/22/2022 0:00	18.44	45.72	6.54
11/22/2022 0:30	18.18	45.46	6.21
11/22/2022 1:00	17.99	45.31	6
11/22/2022 1:30	17.72	45.59	5.83
11/22/2022 2:00	17.6	45.6	5.73
11/22/2022 2:30	17.39	45.13	5.4
11/22/2022 3:00	17.64	44.64	5.46
11/22/2022 3:30	18.25	43.38	5.6
11/22/2022 4:00	18.53	42.88	5.69
11/22/2022 4:30	18.61	42.42	5.6
11/22/2022 5:00	18.57	42.37	5.56
11/22/2022 5:30	18.42	41.87	5.25
11/22/2022 6:00	18.17	41.17	4.78
11/22/2022 6:30	18.13	41.05	4.7
11/22/2022 7:00	18.17	40.97	4.71
11/22/2022 7:30	18.86	41.2	5.41
11/22/2022 8:00	19.6	42.35	6.48
11/22/2022 8:30	19.69	45.8	7.7
11/22/2022 9:00	20.27	44.52	7.81
11/22/2022 9:30	20.55	45.31	8.32
11/22/2022 10:00	21.53	44.26	8.87
11/22/2022 10:30	21.89	44.89	9.4
11/22/2022 11:00	22.72	43.73	9.77
11/22/2022 11:30	22.31	45.16	9.87
11/22/2022 12:00	24.25	42.46	10.7
11/22/2022 12:30	23.24	45	10.66
11/22/2022 13:00	24.29	43.71	11.18
11/22/2022 13:30	23.88	44.38	11.04
11/22/2022 14:00	22.86	45.55	10.51
11/22/2022 14:30	23.25	44.3	10.44
11/22/2022 15:00	21.97	47	10.16
11/22/2022 15:30	21.85	47.67	10.27
11/22/2022 16:00	21.74	49.42	10.7
11/22/2022 16:30	21.63	51.53	11.23
11/22/2022 17:00	20.92	50.59	10.3
11/22/2022 17:30	20.91	52.26	10.78
11/22/2022 18:00	20.39	51.36	10.04
11/22/2022 18:30	21.04	50.72	10.45
11/22/2022 19:00	21.1	49.84	10.25
11/22/2022 19:30	20.68	50.25	9.97
11/22/2022 20:00	21.27	48.72	10.06
11/22/2022 20:30	21.21	47.99	9.78
11/22/2022 21:00	21.09	48	9.68
11/22/2022 21:30	20.18	49.14	9.19
11/22/2022 22:00	20.4	47.77	8.97
11/22/2022 22:30	19.86	49.44	8.98
11/22/2022 23:00	19.29	50.22	8.69
11/22/2022 23:30	19.32	49.4	8.48
11/23/2022 0:00	19.35	48.95	8.36
11/23/2022 0:30	19.55	47.63	8.15
11/23/2022 1:00	19.48	47.43	8.03
11/23/2022 1:30	19.26	46.96	7.68
11/23/2022 2:00	19.01	47	7.46
11/23/2022 2:30	19.09	47.78	7.77
11/23/2022 3:00	19.26	47.77	7.93
11/23/2022 3:30	19.33	47.37	7.87
11/23/2022 4:00	19.29	47.6	7.9
11/23/2022 4:30	19.36	47.27	7.86

11/23/2022 5:00	19.55	46.88	7.91
11/23/2022 5:30	19.65	46.43	7.86
11/23/2022 6:00	19.72	45.42	7.61
11/23/2022 6:30	19.61	43.98	7.04
11/23/2022 7:00	19.3	43.71	6.67
11/23/2022 7:30	19.33	44.2	6.86
11/23/2022 8:00	18.51	48.25	7.39
11/23/2022 8:30	19.06	48.26	7.89
11/23/2022 9:00	19.6	47.41	8.13
11/23/2022 9:30	20.07	47.23	8.5
11/23/2022 10:00	20.29	49.72	9.46
11/23/2022 10:30	21.79	47.83	10.26
11/23/2022 11:00	23.07	46.81	11.1
11/23/2022 11:30	24.04	41.96	10.34
11/23/2022 12:00	26.22	33.83	9.06
11/23/2022 12:30	26.76	33.18	9.24
11/23/2022 13:00	27.5	32.21	9.45
11/23/2022 13:30	27.09	32.16	9.07
11/23/2022 14:00	27.58	30.98	8.94
11/23/2022 14:30	27.69	29.42	8.27
11/23/2022 15:00	27.16	30.01	8.11
11/23/2022 15:30	27.16	32.58	9.33
11/23/2022 16:00	25.3	34.31	8.46
11/23/2022 16:30	22.79	37.79	7.66
11/23/2022 17:00	20.14	42.41	6.98
11/23/2022 17:30	18.54	44.87	6.36
11/23/2022 18:00	20.6	43.63	7.81
11/23/2022 18:30	20.34	43.26	7.45
11/23/2022 19:00	21.52	39.5	7.19
11/23/2022 19:30	20.87	41.64	7.37
11/23/2022 20:00	20.55	40.46	6.66
11/23/2022 20:30	21.47	38.82	6.88
11/23/2022 21:00	21.33	41.85	7.86
11/23/2022 21:30	21.49	41.55	7.9
11/23/2022 22:00	21.33	41.93	7.89
11/23/2022 22:30	21.21	42.63	8.02
11/23/2022 23:00	21.01	42.38	7.75
11/23/2022 23:30	20.79	42.45	7.59
11/24/2022 0:00	20.55	42.73	7.46
11/24/2022 0:30	20.32	42.92	7.32
11/24/2022 1:00	20.05	42.96	7.09
11/24/2022 1:30	19.81	43.02	6.89
11/24/2022 2:00	19.58	43.18	6.74
11/24/2022 2:30	19.17	43.37	6.44
11/24/2022 3:00	18.89	43.54	6.24
11/24/2022 3:30	18.78	43.49	6.12
11/24/2022 4:00	18.57	43.78	6.03
11/24/2022 4:30	18.41	43.54	5.8
11/24/2022 5:00	18.43	43.75	5.89
11/24/2022 5:30	18.2	43.59	5.63
11/24/2022 6:00	17.95	43.59	5.4
11/24/2022 6:30	18.05	43.69	5.52
11/24/2022 7:00	17.83	43.77	5.36
11/24/2022 7:30	18.08	44.17	5.71
11/24/2022 8:00	19.41	43.52	6.7
11/24/2022 8:30	19.98	40.82	6.28
11/24/2022 9:00	19.67	42.73	6.67
11/24/2022 9:30	20.87	40.5	6.97
11/24/2022 10:00	21.62	40.07	7.48
11/24/2022 10:30	23.77	36.48	8.02
11/24/2022 11:00	25.03	35.21	8.61
11/24/2022 11:30	25.6	33.3	8.28
11/24/2022 12:00	26.36	32.57	8.62

11/24/2022 12:30	26.91	30.8	8.27
11/24/2022 13:00	27.15	30.23	8.21
11/24/2022 13:30	27.37	30.58	8.56
11/24/2022 14:00	27.12	30.26	8.2
11/24/2022 14:30	26.64	29.6	7.46
11/24/2022 15:00	26.04	31.35	7.78
11/24/2022 15:30	25.27	31.9	7.36
11/24/2022 16:00	24.44	33.22	7.24
11/24/2022 16:30	21.77	38.1	6.88
11/24/2022 17:00	18.39	46.52	6.74
11/24/2022 17:30	19.71	46.54	7.95
11/24/2022 18:00	19	48.34	7.86
11/24/2022 18:30	17.32	51.55	7.26
11/24/2022 19:00	16.01	54.62	6.89
11/24/2022 19:30	15.01	57.19	6.63
11/24/2022 20:00	14.29	59.13	6.44
11/24/2022 20:30	13.88	60.99	6.49
11/24/2022 21:00	13.32	62.44	6.31
11/24/2022 21:30	12.9	63.29	6.11
11/24/2022 22:00	12.7	63.35	5.93
11/24/2022 22:30	13.88	60.82	6.45
11/24/2022 23:00	13.83	60.2	6.26
11/24/2022 23:30	12.73	62.09	5.67
11/25/2022 0:00	13.44	60.74	6.02
11/25/2022 0:30	13.11	60.55	5.67
11/25/2022 1:00	12.34	61.73	5.22
11/25/2022 1:30	12	62.46	5.06
11/25/2022 2:00	11.92	62.76	5.06
11/25/2022 2:30	11.82	62.26	4.84
11/25/2022 3:00	11.63	62.52	4.73
11/25/2022 3:30	11.51	62.16	4.53
11/25/2022 4:00	11.6	61.8	4.53
11/25/2022 4:30	11.49	61.15	4.28
11/25/2022 5:00	11.16	61.52	4.06
11/25/2022 5:30	10.86	61.25	3.71
11/25/2022 6:00	10.59	61.66	3.55
11/25/2022 6:30	10.5	62.16	3.57
11/25/2022 7:00	10.55	62.12	3.61
11/25/2022 7:30	10.9	63.35	4.23
11/25/2022 8:00	12.32	61.59	5.17
11/25/2022 8:30	13.23	59.91	5.63
11/25/2022 9:00	17.52	53.06	7.87
11/25/2022 9:30	19.01	48.28	7.86
11/25/2022 10:00	18.94	45.81	7.02
11/25/2022 10:30	18.28	48.24	7.18
11/25/2022 11:00	20.2	44.13	7.62
11/25/2022 11:30	20.45	42.56	7.31
11/25/2022 12:00	21.74	40.19	7.63
11/25/2022 12:30	22.62	38.43	7.76
11/25/2022 13:00	24.77	34.46	8.06
11/25/2022 13:30	24.69	33.34	7.5
11/25/2022 14:00	22.58	36.54	7
11/25/2022 14:30	22.68	36.87	7.21
11/25/2022 15:00	22.66	36.3	6.96
11/25/2022 15:30	23.21	36.13	7.38
11/25/2022 16:00	22.87	36.71	7.32
11/25/2022 16:30	20.13	42.88	7.13
11/25/2022 17:00	18.62	48.47	7.55
11/25/2022 17:30	19.43	48.24	8.23
11/25/2022 18:00	18.3	50.7	7.92
11/25/2022 18:30	17.03	54.63	7.84
11/25/2022 19:00	16.94	54.43	7.71
11/25/2022 19:30	16.07	55.83	7.27

11/25/2022 20:00	15.1	58.87	7.13
11/25/2022 20:30	15.44	57.47	7.1
11/25/2022 21:00	14.99	58.14	6.85
11/25/2022 21:30	13.73	60.57	6.25
11/25/2022 22:00	14.64	58.51	6.61
11/25/2022 22:30	14.59	59.59	6.83
11/25/2022 23:00	13.33	61.26	6.04
11/25/2022 23:30	13.88	60.4	6.35
11/26/2022 0:00	13.82	58.62	5.87
11/26/2022 0:30	12.64	60.5	5.21
11/26/2022 1:00	11.66	63.57	4.99
11/26/2022 1:30	12.67	60.94	5.35
11/26/2022 2:00	12.46	60.63	5.07
11/26/2022 2:30	11.73	63.09	4.95
11/26/2022 3:00	12.85	60.8	5.48
11/26/2022 3:30	13.11	59.79	5.49
11/26/2022 4:00	12.5	61.7	5.36
11/26/2022 4:30	13.44	60.52	5.97
11/26/2022 5:00	14.04	58.69	6.09
11/26/2022 5:30	13.46	59.75	5.8
11/26/2022 6:00	12.82	61.48	5.62
11/26/2022 6:30	12.94	61.87	5.82
11/26/2022 7:00	14.08	59.52	6.33
11/26/2022 7:30	13.91	61.46	6.63
11/26/2022 8:00	14.6	61.17	7.22
11/26/2022 8:30	15.4	59.38	7.54
11/26/2022 9:00	17.5	56.52	8.78
11/26/2022 9:30	17.44	47.65	6.22
11/26/2022 10:00	19.5	42.68	6.49
11/26/2022 10:30	20.76	38.35	6.08
11/26/2022 11:00	22.97	35.24	6.81
11/26/2022 11:30	24.11	35.3	7.83
11/26/2022 12:00	24.63	34.43	7.93
11/26/2022 12:30	25.04	33.29	7.79
11/26/2022 13:00	25.43	31.97	7.54
11/26/2022 13:30	26.15	30.34	7.39
11/26/2022 14:00	26.03	29.18	6.72
11/26/2022 14:30	25.87	29.02	6.5
11/26/2022 15:00	25.77	28.8	6.31
11/26/2022 15:30	25.36	28	5.55
11/26/2022 16:00	24.44	29.82	5.67
11/26/2022 16:30	21.96	34.3	5.53
11/26/2022 17:00	19.16	39.82	5.19
11/26/2022 17:30	18.39	44.79	6.19
11/26/2022 18:00	18.53	46.08	6.73
11/26/2022 18:30	17.52	49.82	6.95
11/26/2022 19:00	17.44	50.23	6.99
11/26/2022 19:30	16.81	51.95	6.9
11/26/2022 20:00	15.58	54.28	6.4
11/26/2022 20:30	15.37	54.39	6.23
11/26/2022 21:00	15.29	53.6	5.95
11/26/2022 21:30	14.38	55.72	5.66
11/26/2022 22:00	14.8	55.19	5.91
11/26/2022 22:30	14.77	56.4	6.19
11/26/2022 23:00	14	58.05	5.9
11/26/2022 23:30	14.69	55.08	5.78
11/27/2022 0:00	14.29	55.5	5.52
11/27/2022 0:30	13.8	56.44	5.3
11/27/2022 1:00	13.62	56.32	5.1
11/27/2022 1:30	13.31	56.3	4.8
11/27/2022 2:00	13.06	57.08	4.77
11/27/2022 2:30	12.73	57.91	4.67
11/27/2022 3:00	12.52	58.45	4.61

11/27/2022 3:30	12.21	57.71	4.13
11/27/2022 4:00	11.77	58.08	3.81
11/27/2022 4:30	11.55	59.3	3.9
11/27/2022 5:00	11.31	60.13	3.87
11/27/2022 5:30	11.05	60.02	3.6
11/27/2022 6:00	10.7	59.96	3.26
11/27/2022 6:30	10.48	60.07	3.07
11/27/2022 7:00	10.27	60.77	3.04
11/27/2022 7:30	10.34	62.42	3.48
11/27/2022 8:00	11.46	61.55	4.35
11/27/2022 8:30	14.34	56.69	5.87
11/27/2022 9:00	17.94	43.55	5.38
11/27/2022 9:30	17.65	42.43	4.74
11/27/2022 10:00	19.06	40.99	5.51
11/27/2022 10:30	19.8	39.7	5.72
11/27/2022 11:00	21.52	36.94	6.21
11/27/2022 11:30	22.24	35.75	6.37
11/27/2022 12:00	23.36	34.79	6.96
11/27/2022 12:30	24.38	32.42	6.83
11/27/2022 13:00	24.47	31.76	6.61
11/27/2022 13:30	24.13	31.49	6.18
11/27/2022 14:00	24.31	31.13	6.18
11/27/2022 14:30	23.94	30.75	5.67
11/27/2022 15:00	23.75	31.47	5.85
11/27/2022 15:30	23.13	32.09	5.59
11/27/2022 16:00	22.84	32.89	5.69
11/27/2022 16:30	19.43	39.84	5.44
11/27/2022 17:00	18.72	44.13	6.28
11/27/2022 17:30	19.12	45.42	7.06
11/27/2022 18:00	17.9	48.56	6.92
11/27/2022 18:30	17.18	50.9	6.94
11/27/2022 19:00	16.93	51.01	6.75
11/27/2022 19:30	15.97	53.82	6.63
11/27/2022 20:00	15.57	54.1	6.34
11/27/2022 20:30	15.86	53.16	6.36
11/27/2022 21:00	15.39	54.02	6.15
11/27/2022 21:30	14.84	54.96	5.89
11/27/2022 22:00	15.32	53.23	5.88
11/27/2022 22:30	14.81	55.57	6.02
11/27/2022 23:00	13.77	57.97	5.66
11/27/2022 23:30	14.87	57.11	6.47
11/28/2022 0:00	14.99	57.46	6.67
11/28/2022 0:30	14.3	60.42	6.76
11/28/2022 1:00	13.32	62.97	6.43
11/28/2022 1:30	13.71	61.32	6.42
11/28/2022 2:00	14.07	57.24	5.75
11/28/2022 2:30	14.09	55.59	5.35
11/28/2022 3:00	13.99	54.47	4.97
11/28/2022 3:30	13.03	56.98	4.72
11/28/2022 4:00	11.97	60.07	4.47
11/28/2022 4:30	11.33	61.51	4.21
11/28/2022 5:00	10.77	63.05	4.03
11/28/2022 5:30	10.95	62.54	4.09
11/28/2022 6:00	11.52	61.03	4.27
11/28/2022 6:30	11.59	60.53	4.23
11/28/2022 7:00	11.37	61.12	4.15
11/28/2022 7:30	11.49	63.13	4.74
11/28/2022 8:00	12.02	63.46	5.31
11/28/2022 8:30	14.43	61.39	7.12
11/28/2022 9:00	17.93	53.75	8.44
11/28/2022 9:30	16.9	49	6.13
11/28/2022 10:00	17.46	48.65	6.54
11/28/2022 10:30	18.05	47.71	6.8

11/28/2022 11:00	21.58	41	7.78
11/28/2022 11:30	24.64	35.45	8.37
11/28/2022 12:00	24.89	35.42	8.57
11/28/2022 12:30	24.32	34.44	7.66
11/28/2022 13:00	23.74	30.68	5.47
11/28/2022 13:30	23.66	30.25	5.2
11/28/2022 14:00	24.89	29.62	5.96
11/28/2022 14:30	24.02	30.39	5.58
11/28/2022 15:00	23.21	30.78	5.06
11/28/2022 15:30	21.92	31.69	4.35
11/28/2022 16:00	21.33	32.91	4.38
11/28/2022 16:30	19.74	35.37	4.01
11/28/2022 17:00	19.82	38.02	5.11
11/28/2022 17:30	20.25	38.24	5.58
11/28/2022 18:00	19.79	37.59	4.92
11/28/2022 18:30	20.43	37.94	5.63
11/28/2022 19:00	20.56	38.43	5.93
11/28/2022 19:30	20.4	38.79	5.92
11/28/2022 20:00	19.85	39.96	5.86
11/28/2022 20:30	19.56	40.73	5.88
11/28/2022 21:00	19.18	41.43	5.78
11/28/2022 21:30	18.97	42.23	5.87
11/28/2022 22:00	18.69	42.67	5.76
11/28/2022 22:30	18.41	44.25	6.04
11/28/2022 23:00	17.99	43.71	5.48
11/28/2022 23:30	17.6	45.12	5.58
11/29/2022 0:00	17.46	44.94	5.39
11/29/2022 0:30	17.29	44.72	5.17
11/29/2022 1:00	17.05	44.51	4.89
11/29/2022 1:30	16.84	44.48	4.68
11/29/2022 2:00	16.42	44.26	4.23
11/29/2022 2:30	16.12	44.53	4.05
11/29/2022 3:00	15.9	44.09	3.71
11/29/2022 3:30	15.7	44.31	3.59
11/29/2022 4:00	15.59	44.15	3.44
11/29/2022 4:30	15.42	44.1	3.27
11/29/2022 5:00	15.31	43.5	2.98
11/29/2022 5:30	15.06	43.88	2.87
11/29/2022 6:00	14.82	44.4	2.83
11/29/2022 6:30	14.67	44.53	2.73
11/29/2022 7:00	14.74	43.98	2.62
11/29/2022 7:30	14.93	44.78	3.04
11/29/2022 8:00	16.45	42.54	3.69
11/29/2022 8:30	18.52	36.2	3.26
11/29/2022 9:00	19.07	31.86	1.95
11/29/2022 9:30	18.96	31.32	1.61
11/29/2022 10:00	20.04	28.09	1.04
11/29/2022 10:30	20.47	28.34	1.53
11/29/2022 11:00	22.07	26.81	2.12
11/29/2022 11:30	22.9	25.38	2.05
11/29/2022 12:00	23.68	24.21	2.05
11/29/2022 12:30	23.9	24.21	2.24
11/29/2022 13:00	24.28	23.67	2.24
11/29/2022 13:30	24.63	23.04	2.17
11/29/2022 14:00	24.82	22.45	1.95
11/29/2022 14:30	23.5	22.88	1.12
11/29/2022 15:00	22.84	23.26	0.79
11/29/2022 15:30	22.21	23.4	0.35
11/29/2022 16:00	22.44	23.72	0.73
11/29/2022 16:30	19.61	27.93	0.59
11/29/2022 17:00	20.45	30.63	2.59
11/29/2022 17:30	20.46	31.72	3.1
11/29/2022 18:00	19.87	33.61	3.4

11/29/2022 18:30	19.41	34.75	3.47
11/29/2022 19:00	19.1	35.33	3.43
11/29/2022 19:30	18.48	35.74	3.04
11/29/2022 20:00	18.11	35.3	2.55
11/29/2022 20:30	17.66	35.2	2.11
11/29/2022 21:00	17.18	36.5	2.19
11/29/2022 21:30	16.78	37.23	2.11
11/29/2022 22:00	16.43	37.37	1.85
11/29/2022 22:30	16.17	39	2.22
11/29/2022 23:00	15.8	39.9	2.2
11/29/2022 23:30	15.65	40.55	2.3