

October 2023

Time Local	Solar Elevation (°)	Solar Azimuth (° True)	Lunar Elevation (°)	Lunar Azimuth (° True)	Lunar Phase (%)	Ground Illumination (mlx)
10/01/2023 0000	-56	322	46	105	96	97.1
10/01/2023 0015	-58	328	49	108	95	103.85
10/01/2023 0030	-60	334	52	111	95	110.21
10/01/2023 0045	-61	341	55	114	95	116.02
10/01/2023 0100	-62	349	58	118	95	121.33
10/01/2023 0115	-62	357	61	122	95	125.86
10/01/2023 0130	-62	5	63	128	95	129.19
10/01/2023 0145	-61	13	66	134	95	131.56
10/01/2023 0200	-61	20	68	141	95	133.66
10/01/2023 0215	-59	27	70	149	95	135.68
10/01/2023 0230	-58	34	71	159	95	137.2
10/01/2023 0245	-56	39	72	170	95	137.87
10/01/2023 0300	-54	45	72	182	95	137.7
10/01/2023 0315	-51	50	72	193	95	136.75
10/01/2023 0330	-49	54	71	204	95	134.98
10/01/2023 0345	-46	58	69	214	95	132.41
10/01/2023 0400	-43	61	68	222	95	129.43
10/01/2023 0415	-40	65	65	229	95	126.43
10/01/2023 0430	-38	68	63	235	95	123.18
10/01/2023 0445	-35	70	60	240	95	119.02
10/01/2023 0500	-31	73	58	245	94	113.83
10/01/2023 0515	-28	75	55	248	94	108.02
10/01/2023 0530	-25	78	52	252	94	101.84
10/01/2023 0545	-22	80	49	255	94	95.26
10/01/2023 0600	-19	82	46	258	94	89.02
10/01/2023 0615	-16	84	43	260	94	82.85
10/01/2023 0630	-13	86	40	263	94	80.8
10/01/2023 0645	-9	88	37	265	94	151.77
10/01/2023 0700	-6	90	34	267	94	2965.58
10/01/2023 0715	-3	92	30	269	94	85177.75
10/01/2023 0730	1	94	27	271	94	1106488.9
10/01/2023 0745	4	96	24	273	94	3406493.28
10/01/2023 0800	7	98	21	275	94	6755758.31
10/01/2023 0815	10	100	18	276	94	10807576.98
10/01/2023 0830	13	102	15	278	94	15473131.53
10/01/2023 0845	16	104	12	280	94	20532671.09
10/01/2023 0900	19	106	9	282	94	25909676.05
10/01/2023 0915	22	109	6	284	94	31610614.22
10/01/2023 0930	25	111	3	285	93	37508400.85
10/01/2023 0945	28	113	0	287	93	43453614.73
10/01/2023 1000	31	116	-3	289	93	49388630.73
10/01/2023 1015	34	119	-6	291	93	55208649.47

10/01/2023 1030	37	122	-9	293	93	60694259.03
10/01/2023 1045	39	126	-11	295	93	65706596.68
10/01/2023 1100	42	129	-14	298	93	70333157.52
10/01/2023 1115	44	133	-17	300	93	74743437.04
10/01/2023 1130	47	137	-19	302	93	78968178.21
10/01/2023 1145	49	142	-22	305	93	82876552.71
10/01/2023 1200	51	147	-24	308	93	86313951.96
10/01/2023 1215	52	152	-27	310	93	89200912.71
10/01/2023 1230	54	158	-29	313	93	91519521.49
10/01/2023 1245	55	164	-31	316	93	93262795.47
10/01/2023 1300	55	171	-33	320	93	94415337.14
10/01/2023 1315	56	177	-35	323	93	94960967.84
10/01/2023 1330	56	184	-37	327	92	94891140.78
10/01/2023 1345	55	191	-38	331	92	94206931.92
10/01/2023 1400	54	197	-40	335	92	92918920.52
10/01/2023 1415	53	203	-41	339	92	91044054.47
10/01/2023 1430	52	209	-42	343	92	88595970.39
10/01/2023 1445	50	214	-42	348	92	85580911.24
10/01/2023 1500	48	219	-43	353	92	82025993.64
10/01/2023 1515	46	223	-43	357	92	78029964.74
10/01/2023 1530	44	228	-43	2	92	73754801.6
10/01/2023 1545	41	232	-43	7	92	69304157.07
10/01/2023 1600	39	235	-42	11	92	64604703.43
10/01/2023 1615	36	238	-41	16	92	59482849.58
10/01/2023 1630	33	241	-40	20	92	53899779.96
10/01/2023 1645	31	244	-39	24	92	48034411.65
10/01/2023 1700	28	247	-38	28	92	42090202.53
10/01/2023 1715	25	249	-36	32	92	36145684.34
10/01/2023 1730	22	252	-34	36	91	30274150.51
10/01/2023 1745	19	254	-33	39	91	24638863.12
10/01/2023 1800	15	256	-30	42	91	19334729.99
10/01/2023 1815	12	258	-28	45	91	14347817.25
10/01/2023 1830	9	260	-26	48	91	9803397.98
10/01/2023 1845	6	262	-24	51	91	5908412.86
10/01/2023 1900	3	264	-21	53	91	2745891.15
10/01/2023 1915	0	266	-19	56	91	785925.07
10/01/2023 1930	-4	268	-16	58	91	41316
10/01/2023 1945	-7	270	-13	60	91	1210.5
10/01/2023 2000	-10	272	-11	63	91	40.13
10/01/2023 2015	-13	274	-8	65	91	3.97
10/01/2023 2030	-17	276	-5	66	91	1.39
10/01/2023 2045	-20	278	-2	68	91	1.2
10/01/2023 2100	-23	280	1	70	91	1.84
10/01/2023 2115	-26	283	4	72	90	3.98
10/01/2023 2130	-29	285	7	74	90	6.89
10/01/2023 2145	-32	287	10	75	90	10.4
10/01/2023 2200	-35	290	13	77	90	14.43

10/01/2023 2215	-38	293	16	79	90	18.84
10/01/2023 2230	-41	296	19	80	90	23.57
10/01/2023 2245	-44	299	22	82	90	28.64
10/01/2023 2300	-47	303	25	84	90	33.95
10/01/2023 2315	-50	307	29	85	90	39.4
10/01/2023 2330	-52	311	32	87	90	44.92
10/01/2023 2345	-54	316	35	89	90	50.42
10/02/2023 0000	-56	321	38	90	90	55.65
10/02/2023 0015	-58	327	41	92	90	60.52
10/02/2023 0030	-60	334	44	94	90	65.31
10/02/2023 0045	-61	341	47	96	89	70.2
10/02/2023 0100	-62	349	51	99	89	75.01
10/02/2023 0115	-62	357	54	101	89	79.49
10/02/2023 0130	-62	5	57	104	89	83.65
10/02/2023 0145	-62	13	60	107	89	87.41
10/02/2023 0200	-61	20	63	111	89	90.33
10/02/2023 0215	-60	28	66	115	89	92.46
10/02/2023 0230	-58	34	69	120	89	94.58
10/02/2023 0245	-56	40	71	127	89	96.89
10/02/2023 0300	-54	45	74	135	89	98.49
10/02/2023 0315	-52	50	76	145	89	99.01
10/02/2023 0330	-49	54	77	159	89	99.16
10/02/2023 0345	-46	58	78	175	89	99.18
10/02/2023 0400	-44	62	78	191	89	98.78
10/02/2023 0415	-41	65	77	207	88	98.03
10/02/2023 0430	-38	68	75	219	88	97.18
10/02/2023 0445	-35	71	73	229	88	95.8
10/02/2023 0500	-32	73	71	237	88	93.36
10/02/2023 0515	-29	76	68	243	88	90.49
10/02/2023 0530	-25	78	65	248	88	87.93
10/02/2023 0545	-22	80	62	252	88	85.2
10/02/2023 0600	-19	82	59	256	88	82.25
10/02/2023 0615	-16	84	56	259	88	78.59
10/02/2023 0630	-13	86	53	262	88	78.29
10/02/2023 0645	-9	88	50	264	88	141.69
10/02/2023 0700	-6	90	47	266	88	2566.99
10/02/2023 0715	-3	92	44	268	88	75581.24
10/02/2023 0730	1	94	41	270	87	1044557.36
10/02/2023 0745	4	96	38	272	87	3284646.84
10/02/2023 0800	7	98	34	274	87	6598091.01
10/02/2023 0815	10	100	31	276	87	10615153.04
10/02/2023 0830	13	102	28	277	87	15250437.94
10/02/2023 0845	16	104	25	279	87	20285291.09
10/02/2023 0900	19	107	22	281	87	25633523.03
10/02/2023 0915	22	109	19	282	87	31303924.36
10/02/2023 0930	25	111	16	284	87	37176193.45
10/02/2023 0945	28	114	13	286	87	43097495.19

10/02/2023 1000	31	117	10	288	87	49007161.19
10/02/2023 1015	34	120	7	289	87	54808868.98
10/02/2023 1030	37	123	4	291	87	60289506.17
10/02/2023 1045	39	126	2	293	86	65298688.6
10/02/2023 1100	42	130	-1	295	86	69905772.67
10/02/2023 1115	44	134	-4	297	86	74277916.01
10/02/2023 1130	46	138	-7	299	86	78461016.72
10/02/2023 1145	48	142	-9	301	86	82338798.63
10/02/2023 1200	50	147	-12	303	86	85757645.82
10/02/2023 1215	52	153	-15	305	86	88630099.46
10/02/2023 1230	53	159	-17	308	86	90932336.47
10/02/2023 1245	54	165	-19	310	86	92657342.91
10/02/2023 1300	55	171	-22	313	86	93792182.69
10/02/2023 1315	55	178	-24	316	86	94322284.04
10/02/2023 1330	55	184	-26	319	86	94239565.92
10/02/2023 1345	55	191	-28	322	85	93545299.03
10/02/2023 1400	54	197	-30	325	85	92249762.46
10/02/2023 1415	53	203	-31	328	85	90368017.34
10/02/2023 1430	52	209	-33	332	85	87911096.4
10/02/2023 1445	50	214	-34	335	85	84886713.68
10/02/2023 1500	48	219	-35	339	85	81331351.47
10/02/2023 1515	46	223	-36	343	85	77354164.22
10/02/2023 1530	44	227	-37	347	85	73112900.03
10/02/2023 1545	41	231	-38	351	85	68688564.07
10/02/2023 1600	39	235	-38	355	85	63988363.39
10/02/2023 1615	36	238	-38	360	85	58847487.94
10/02/2023 1630	33	241	-38	4	85	53255807.02
10/02/2023 1645	30	244	-37	8	84	47405058.15
10/02/2023 1700	27	247	-37	12	84	41485425.44
10/02/2023 1715	24	249	-36	16	84	35565594.19
10/02/2023 1730	21	252	-35	20	84	29727621.88
10/02/2023 1745	18	254	-34	24	84	24136855.71
10/02/2023 1800	15	256	-33	27	84	18873900.42
10/02/2023 1815	12	258	-31	31	84	13927016.4
10/02/2023 1830	9	260	-29	34	84	9439650.58
10/02/2023 1845	6	262	-27	37	84	5608486.63
10/02/2023 1900	3	264	-25	40	84	2523918.87
10/02/2023 1915	-1	266	-23	43	84	473281.14
10/02/2023 1930	-4	268	-21	46	84	31592.16
10/02/2023 1945	-7	270	-19	48	83	891.97
10/02/2023 2000	-10	272	-17	51	83	31.52
10/02/2023 2015	-14	274	-14	53	83	3.47
10/02/2023 2030	-17	276	-12	55	83	1.32
10/02/2023 2045	-20	278	-9	57	83	0.5
10/02/2023 2100	-23	280	-6	60	83	0.5
10/02/2023 2115	-26	282	-4	61	83	0.53
10/02/2023 2130	-29	285	-1	63	83	0.8

10/02/2023 2145	-33	287	2	65	83	1.91
10/02/2023 2200	-36	290	5	67	83	3.59
10/02/2023 2215	-39	292	8	69	83	5.72
10/02/2023 2230	-42	295	11	70	83	8.24
10/02/2023 2245	-44	299	14	72	82	11.1
10/02/2023 2300	-47	302	17	73	82	14.2
10/02/2023 2315	-50	306	20	75	82	17.53
10/02/2023 2330	-52	311	23	76	82	21.1
10/02/2023 2345	-55	316	26	78	82	24.83
10/03/2023 0000	-57	321	29	79	82	28.65
10/03/2023 0015	-59	327	32	81	82	32.54
10/03/2023 0030	-60	334	35	82	82	36.41
10/03/2023 0045	-62	341	38	84	82	40.09
10/03/2023 0100	-62	349	41	85	82	43.54
10/03/2023 0115	-63	357	44	87	82	46.95
10/03/2023 0130	-63	5	48	89	81	50.45
10/03/2023 0145	-62	13	51	91	81	53.9
10/03/2023 0200	-61	21	54	93	81	57.13
10/03/2023 0215	-60	28	57	95	81	60.15
10/03/2023 0230	-58	35	60	97	81	62.88
10/03/2023 0245	-56	40	63	100	81	64.99
10/03/2023 0300	-54	46	66	103	81	66.58
10/03/2023 0315	-52	51	69	106	81	68.34
10/03/2023 0330	-49	55	72	111	81	70.17
10/03/2023 0345	-47	59	75	117	81	71.08
10/03/2023 0400	-44	62	78	126	81	71.54
10/03/2023 0415	-41	65	80	139	81	72.55
10/03/2023 0430	-38	68	82	158	80	73.15
10/03/2023 0445	-35	71	83	183	80	73.03
10/03/2023 0500	-32	74	82	207	80	72.59
10/03/2023 0515	-29	76	80	225	80	71.38
10/03/2023 0530	-26	79	78	237	80	69.98
10/03/2023 0545	-22	81	75	245	80	69.1
10/03/2023 0600	-19	83	72	251	80	68.15
10/03/2023 0615	-16	85	69	256	80	66.36
10/03/2023 0630	-13	87	66	259	80	68.05
10/03/2023 0645	-10	89	63	262	80	125.71
10/03/2023 0700	-6	91	60	265	80	2214.66
10/03/2023 0715	-3	93	57	267	79	66890.6
10/03/2023 0730	0	95	53	269	79	984894.36
10/03/2023 0745	3	97	50	271	79	3163713.85
10/03/2023 0800	7	99	47	273	79	6440406
10/03/2023 0815	10	101	44	275	79	10422321.02
10/03/2023 0830	13	103	41	276	79	15026510.64
10/03/2023 0845	16	105	38	278	79	20036259.45
10/03/2023 0900	19	107	35	279	79	25355552.53
10/03/2023 0915	22	109	32	281	79	30994827.77

10/03/2023 0930	25	112	29	282	79	36840912.4
10/03/2023 0945	28	114	26	284	79	42738039.66
10/03/2023 1000	31	117	23	286	78	48621954.97
10/03/2023 1015	34	120	20	287	78	54404270.5
10/03/2023 1030	36	123	17	289	78	59879012.26
10/03/2023 1045	39	126	14	290	78	64885593.13
10/03/2023 1100	42	130	11	292	78	69474993.95
10/03/2023 1115	44	134	8	294	78	73810256.52
10/03/2023 1130	46	138	5	295	78	77951172.07
10/03/2023 1145	48	143	3	297	78	81796614.13
10/03/2023 1200	50	148	0	299	78	85195583.67
10/03/2023 1215	52	153	-3	301	78	88053519.94
10/03/2023 1230	53	159	-5	303	78	90340282.62
10/03/2023 1245	54	165	-8	305	77	92047971.33
10/03/2023 1300	55	171	-10	307	77	93165702.92
10/03/2023 1315	55	178	-13	309	77	93680634.14
10/03/2023 1330	55	184	-15	312	77	93585366.26
10/03/2023 1345	54	191	-17	314	77	92881302.18
10/03/2023 1400	54	197	-20	317	77	91578087.7
10/03/2023 1415	53	203	-22	319	77	89688775.27
10/03/2023 1430	51	208	-24	322	77	87222512.91
10/03/2023 1445	49	214	-25	325	77	84189868.34
10/03/2023 1500	48	219	-27	328	77	80637157.71
10/03/2023 1515	45	223	-28	332	76	76682032.66
10/03/2023 1530	43	227	-30	335	76	72475008.09
10/03/2023 1545	41	231	-31	338	76	68073871.18
10/03/2023 1600	38	235	-32	342	76	63369611.93
10/03/2023 1615	36	238	-33	346	76	58209804.23
10/03/2023 1630	33	241	-34	349	76	52612443.14
10/03/2023 1645	30	244	-34	353	76	46778513.81
10/03/2023 1700	27	246	-34	357	76	40883743.83
10/03/2023 1715	24	249	-34	1	76	34989090.27
10/03/2023 1730	21	251	-34	5	76	29186114.59
10/03/2023 1745	18	254	-34	9	76	23640252.71
10/03/2023 1800	15	256	-33	13	75	18417830.43
10/03/2023 1815	12	258	-32	16	75	13511918.64
10/03/2023 1830	9	260	-31	20	75	9082966.89
10/03/2023 1845	6	262	-30	23	75	5315258.33
10/03/2023 1900	2	264	-29	27	75	2312308.11
10/03/2023 1915	-1	266	-27	30	75	395478.46
10/03/2023 1930	-4	268	-26	33	75	24041.74
10/03/2023 1945	-7	270	-24	36	75	659.69
10/03/2023 2000	-11	272	-22	39	75	25.01
10/03/2023 2015	-14	274	-20	42	75	3.06
10/03/2023 2030	-17	276	-18	44	74	1.27
10/03/2023 2045	-20	278	-16	47	74	0.5
10/03/2023 2100	-23	280	-13	49	74	0.5

10/03/2023 2115	-27	282	-11	51	74	0.5
10/03/2023 2130	-30	284	-8	53	74	0.5
10/03/2023 2145	-33	287	-6	55	74	0.5
10/03/2023 2200	-36	289	-3	57	74	0.53
10/03/2023 2215	-39	292	0	59	74	0.85
10/03/2023 2230	-42	295	2	61	74	1.55
10/03/2023 2245	-45	298	5	63	74	2.71
10/03/2023 2300	-48	302	8	65	74	4.18
10/03/2023 2315	-50	306	11	66	73	5.91
10/03/2023 2330	-53	310	13	68	73	7.89
10/03/2023 2345	-55	315	16	69	73	10.03
10/04/2023 0000	-57	321	19	71	73	12.33
10/04/2023 0015	-59	327	22	72	73	14.8
10/04/2023 0030	-61	334	25	74	73	17.4
10/04/2023 0045	-62	341	28	75	73	20.07
10/04/2023 0100	-63	349	31	76	73	22.79
10/04/2023 0115	-63	357	34	78	73	25.52
10/04/2023 0130	-63	5	37	79	73	28.16
10/04/2023 0145	-63	14	40	80	72	30.63
10/04/2023 0200	-62	21	43	82	72	33.03
10/04/2023 0215	-60	28	47	83	72	35.49
10/04/2023 0230	-59	35	50	85	72	37.96
10/04/2023 0245	-57	41	53	86	72	40.31
10/04/2023 0300	-54	46	56	88	72	42.5
10/04/2023 0315	-52	51	59	90	72	44.54
10/04/2023 0330	-49	55	62	91	72	46.22
10/04/2023 0345	-47	59	65	94	72	47.44
10/04/2023 0400	-44	63	69	96	72	48.65
10/04/2023 0415	-41	66	72	99	71	50.05
10/04/2023 0430	-38	69	75	103	71	50.94
10/04/2023 0445	-35	72	78	108	71	51.31
10/04/2023 0500	-32	74	81	116	71	52.23
10/04/2023 0515	-29	77	83	130	71	52.6
10/04/2023 0530	-26	79	85	157	71	52.32
10/04/2023 0545	-23	81	85	199	71	52.17
10/04/2023 0600	-19	83	84	229	71	52.59
10/04/2023 0615	-16	85	81	244	71	52.46
10/04/2023 0630	-13	87	78	252	71	54.57
10/04/2023 0645	-10	89	75	258	71	106.12
10/04/2023 0700	-7	91	72	261	70	1903.22
10/04/2023 0715	-3	93	69	264	70	59041.81
10/04/2023 0730	0	95	66	267	70	927486.35
10/04/2023 0745	3	97	63	269	70	3043776.03
10/04/2023 0800	6	99	60	271	70	6282706.29
10/04/2023 0815	9	101	56	273	70	10229101.54
10/04/2023 0830	13	103	53	274	70	14801366.24
10/04/2023 0845	16	105	50	276	70	19785566.47

10/04/2023 0900	19	107	47	277	70	25075774.49
10/04/2023 0915	22	110	44	279	70	30683362.07
10/04/2023 0930	25	112	41	280	69	36502583.3
10/04/2023 0945	28	115	38	282	69	42375268.96
10/04/2023 1000	31	117	35	283	69	48233080.34
10/04/2023 1015	33	120	32	284	69	53994954.51
10/04/2023 1030	36	123	29	286	69	59462805.29
10/04/2023 1045	39	127	26	287	69	64467218.87
10/04/2023 1100	41	130	23	289	69	69040735.51
10/04/2023 1115	44	134	20	290	69	73340570.63
10/04/2023 1130	46	139	17	292	69	77439006.52
10/04/2023 1145	48	143	14	293	69	81250452.06
10/04/2023 1200	50	148	11	295	68	84628080.06
10/04/2023 1215	51	154	9	296	68	87471257.97
10/04/2023 1230	53	159	6	298	68	89743308.62
10/04/2023 1245	54	165	3	300	68	91434659.11
10/04/2023 1300	54	171	1	302	68	92536000.86
10/04/2023 1315	54	178	-2	303	68	93036221.41
10/04/2023 1330	54	184	-5	305	68	92928736.14
10/04/2023 1345	54	191	-7	307	68	92215012
10/04/2023 1400	53	197	-10	310	68	90903829.05
10/04/2023 1415	52	203	-12	312	68	89006293.13
10/04/2023 1430	51	208	-14	314	67	86530507.45
10/04/2023 1445	49	213	-16	317	67	83491123.99
10/04/2023 1500	47	218	-18	319	67	79944351.28
10/04/2023 1515	45	223	-20	322	67	76014166.22
10/04/2023 1530	43	227	-22	325	67	71841119.31
10/04/2023 1545	40	231	-24	327	67	67459806.55
10/04/2023 1600	38	234	-25	331	67	62748503.37
10/04/2023 1615	35	238	-27	334	67	57570343.7
10/04/2023 1630	32	241	-28	337	67	51970323.76
10/04/2023 1645	30	243	-29	340	67	46155166.55
10/04/2023 1700	27	246	-30	344	66	40285436.44
10/04/2023 1715	24	249	-31	347	66	34416559.43
10/04/2023 1730	21	251	-31	351	66	28649986.03
10/04/2023 1745	18	253	-32	355	66	23149222.76
10/04/2023 1800	15	255	-32	359	66	17966716.37
10/04/2023 1815	11	258	-32	2	66	13102860.2
10/04/2023 1830	8	260	-32	6	66	8733486.22
10/04/2023 1845	5	262	-31	10	66	5028877.44
10/04/2023 1900	2	264	-31	13	66	2111540.24
10/04/2023 1915	-1	265	-30	17	66	328166.75
10/04/2023 1930	-5	267	-29	20	65	18222.15
10/04/2023 1945	-8	269	-28	24	65	490.14
10/04/2023 2000	-11	271	-26	27	65	20.04
10/04/2023 2015	-14	273	-25	30	65	2.73
10/04/2023 2030	-17	275	-23	33	65	1.23

10/04/2023 2045	-21	277	-22	36	65	0.5
10/04/2023 2100	-24	279	-20	39	65	0.5
10/04/2023 2115	-27	282	-18	41	65	0.5
10/04/2023 2130	-30	284	-16	44	65	0.5
10/04/2023 2145	-33	286	-13	46	64	0.5
10/04/2023 2200	-36	289	-11	48	64	0.5
10/04/2023 2215	-39	292	-9	51	64	0.5
10/04/2023 2230	-42	295	-6	53	64	0.5
10/04/2023 2245	-45	298	-4	55	64	0.51
10/04/2023 2300	-48	302	-1	57	64	0.61
10/04/2023 2315	-51	306	2	58	64	1.06
10/04/2023 2330	-53	310	4	60	64	1.78
10/04/2023 2345	-55	315	7	62	64	2.74
10/05/2023 0000	-58	321	10	63	64	3.87
10/05/2023 0015	-59	327	12	65	63	5.19
10/05/2023 0030	-61	334	15	67	63	6.64
10/05/2023 0045	-62	341	18	68	63	8.19
10/05/2023 0100	-63	349	21	69	63	9.86
10/05/2023 0115	-64	357	24	71	63	11.64
10/05/2023 0130	-63	6	27	72	63	13.49
10/05/2023 0145	-63	14	30	74	63	15.37
10/05/2023 0200	-62	22	33	75	63	17.28
10/05/2023 0215	-61	29	36	76	63	19.17
10/05/2023 0230	-59	36	39	78	63	20.95
10/05/2023 0245	-57	41	42	79	62	22.64
10/05/2023 0300	-55	47	45	80	62	24.33
10/05/2023 0315	-52	52	48	81	62	26.07
10/05/2023 0330	-50	56	51	83	62	27.77
10/05/2023 0345	-47	60	54	84	62	29.36
10/05/2023 0400	-44	63	57	86	62	30.86
10/05/2023 0415	-41	66	61	87	62	32.19
10/05/2023 0430	-38	69	64	89	62	33.21
10/05/2023 0445	-35	72	67	91	62	34.01
10/05/2023 0500	-32	75	70	93	62	34.95
10/05/2023 0515	-29	77	73	95	61	35.85
10/05/2023 0530	-26	79	76	98	61	36.22
10/05/2023 0545	-23	82	79	103	61	36.65
10/05/2023 0600	-20	84	82	110	61	37.83
10/05/2023 0615	-16	86	85	125	61	38.05
10/05/2023 0630	-13	88	87	166	61	41.5
10/05/2023 0645	-10	90	86	221	61	86.94
10/05/2023 0700	-7	92	84	244	61	1631.37
10/05/2023 0715	-3	93	81	254	61	51976.86
10/05/2023 0730	0	95	78	260	61	872307.84
10/05/2023 0745	3	97	75	264	60	2924924.04
10/05/2023 0800	6	99	71	266	60	6124999.01
10/05/2023 0815	9	101	68	269	60	10035519.68

10/05/2023 0830	12	103	65	271	60	14575031.92
10/05/2023 0845	16	106	62	272	60	19533214.59
10/05/2023 0900	19	108	59	274	60	24794211.77
10/05/2023 0915	22	110	56	275	60	30369581.45
10/05/2023 0930	25	113	53	277	60	36161249.86
10/05/2023 0945	28	115	50	278	60	42009219.31
10/05/2023 1000	30	118	46	279	59	47840621.14
10/05/2023 1015	33	121	43	281	59	53581045.3
10/05/2023 1030	36	124	40	282	59	59040944.52
10/05/2023 1045	39	127	37	283	59	64043497.32
10/05/2023 1100	41	131	34	285	59	68602911.02
10/05/2023 1115	43	135	31	286	59	72868951.22
10/05/2023 1130	46	139	28	287	59	76924870.95
10/05/2023 1145	48	144	25	289	59	80700786.74
10/05/2023 1200	49	149	22	290	59	84055503.23
10/05/2023 1215	51	154	19	292	59	86883454.08
10/05/2023 1230	52	160	17	293	58	89141387.56
10/05/2023 1245	53	165	14	295	58	90817357.35
10/05/2023 1300	54	172	11	296	58	91903103.18
10/05/2023 1315	54	178	8	298	58	92389141.16
10/05/2023 1330	54	184	6	299	58	92269756.35
10/05/2023 1345	54	191	3	301	58	91546415.42
10/05/2023 1400	53	197	1	303	58	90226903.96
10/05/2023 1415	52	203	-3	305	58	88320605.46
10/05/2023 1430	50	208	-5	307	58	85835485.5
10/05/2023 1445	49	213	-7	309	58	82791310.74
10/05/2023 1500	47	218	-10	311	57	79253850.08
10/05/2023 1515	45	223	-12	313	57	75351062.49
10/05/2023 1530	42	227	-14	315	57	71211148.48
10/05/2023 1545	40	230	-16	318	57	66846109.5
10/05/2023 1600	38	234	-18	320	57	62125162.53
10/05/2023 1615	35	237	-20	323	57	56929691.89
10/05/2023 1630	32	240	-22	326	57	51330063.46
10/05/2023 1645	29	243	-24	329	57	45535375.25
10/05/2023 1700	26	246	-25	332	57	39690783.6
10/05/2023 1715	23	248	-27	335	57	33848391.32
10/05/2023 1730	20	251	-28	338	56	28119569.82
10/05/2023 1745	17	253	-29	342	56	22663916.91
10/05/2023 1800	14	255	-30	345	56	17520764.07
10/05/2023 1815	11	257	-31	349	56	12700165
10/05/2023 1830	8	259	-31	352	56	8391315.06
10/05/2023 1845	5	261	-31	356	56	4749520.66
10/05/2023 1900	2	263	-31	360	56	1922028.04
10/05/2023 1915	-2	265	-31	4	56	270467.02
10/05/2023 1930	-5	267	-31	7	56	13766.36
10/05/2023 1945	-8	269	-31	11	55	366.13
10/05/2023 2000	-11	271	-30	14	55	16.23

10/05/2023 2015	-14	273	-29	18	55	2.46
10/05/2023 2030	-18	275	-28	21	55	1.2
10/05/2023 2045	-21	277	-27	25	55	0.5
10/05/2023 2100	-24	279	-25	28	55	0.5
10/05/2023 2115	-27	281	-24	31	55	0.5
10/05/2023 2130	-30	284	-22	34	55	0.5
10/05/2023 2145	-33	286	-21	37	55	0.5
10/05/2023 2200	-36	289	-19	39	55	0.5
10/05/2023 2215	-39	291	-17	42	54	0.5
10/05/2023 2230	-42	294	-15	44	54	0.5
10/05/2023 2245	-45	298	-12	47	54	0.5
10/05/2023 2300	-48	301	-10	49	54	0.5
10/05/2023 2315	-51	305	-8	51	54	0.5
10/05/2023 2330	-53	310	-5	53	54	0.5
10/05/2023 2345	-56	315	-3	55	54	0.52
10/06/2023 0000	-58	320	0	57	54	0.71
10/06/2023 0015	-60	327	3	59	54	1.07
10/06/2023 0030	-61	333	5	61	54	1.65
10/06/2023 0045	-63	341	8	62	53	2.36
10/06/2023 0100	-64	349	11	64	53	3.19
10/06/2023 0115	-64	357	13	65	53	4.14
10/06/2023 0130	-64	6	16	67	53	5.17
10/06/2023 0145	-63	14	19	68	53	6.27
10/06/2023 0200	-62	22	22	70	53	7.46
10/06/2023 0215	-61	29	25	71	53	8.7
10/06/2023 0230	-59	36	28	73	53	9.98
10/06/2023 0245	-57	42	31	74	53	11.29
10/06/2023 0300	-55	47	34	75	53	12.61
10/06/2023 0315	-52	52	37	77	52	13.88
10/06/2023 0330	-50	56	40	78	52	15.08
10/06/2023 0345	-47	60	43	79	52	16.23
10/06/2023 0400	-44	64	46	81	52	17.41
10/06/2023 0415	-41	67	49	82	52	18.6
10/06/2023 0430	-38	70	52	83	52	19.74
10/06/2023 0445	-35	73	55	85	52	20.81
10/06/2023 0500	-32	75	59	86	52	21.81
10/06/2023 0515	-29	77	62	88	52	22.65
10/06/2023 0530	-26	80	65	90	51	23.26
10/06/2023 0545	-23	82	68	92	51	23.82
10/06/2023 0600	-20	84	71	94	51	25.02
10/06/2023 0615	-16	86	74	97	51	25.89
10/06/2023 0630	-13	88	77	101	51	28.87
10/06/2023 0645	-10	90	80	106	51	69.6
10/06/2023 0700	-7	92	83	116	51	1395.62
10/06/2023 0715	-4	94	86	139	51	45636.5
10/06/2023 0730	0	96	87	189	51	819316.73
10/06/2023 0745	3	98	85	231	51	2807259.97

10/06/2023 0800	6	100	82	247	50	5967301.59
10/06/2023 0815	9	102	79	256	50	9841609.77
10/06/2023 0830	12	104	76	260	50	14347546.21
10/06/2023 0845	15	106	73	264	50	19279214.67
10/06/2023 0900	18	108	70	266	50	24510893.36
10/06/2023 0915	21	110	67	269	50	30053550.13
10/06/2023 0930	24	113	64	271	50	35816970.06
10/06/2023 0945	27	115	61	272	50	41639940.36
10/06/2023 1000	30	118	58	274	50	47444674.49
10/06/2023 1015	33	121	54	275	50	53162687.39
10/06/2023 1030	36	124	51	277	49	58613516.8
10/06/2023 1045	38	128	48	278	49	63614381.06
10/06/2023 1100	41	131	45	279	49	68161434.35
10/06/2023 1115	43	135	42	281	49	72395475.49
10/06/2023 1130	45	139	39	282	49	76409109.48
10/06/2023 1145	47	144	36	283	49	80148119.95
10/06/2023 1200	49	149	33	285	49	83478284.17
10/06/2023 1215	51	154	30	286	49	86290318.8
10/06/2023 1230	52	160	27	287	49	88534533.11
10/06/2023 1245	53	166	24	289	49	90196007.32
10/06/2023 1300	53	172	21	290	48	91266978.79
10/06/2023 1315	54	178	18	292	48	91739402.24
10/06/2023 1330	54	184	15	293	48	91608422.22
10/06/2023 1345	53	191	12	295	48	90875450.16
10/06/2023 1400	52	197	9	296	48	89547248.97
10/06/2023 1415	51	203	7	298	48	87631838.75
10/06/2023 1430	50	208	4	300	48	85137970.32
10/06/2023 1445	48	213	2	301	48	82091320.48
10/06/2023 1500	46	218	-1	303	48	78566529.53
10/06/2023 1515	44	222	-4	305	48	74693114.65
10/06/2023 1530	42	226	-7	307	47	70584942.38
10/06/2023 1545	40	230	-9	309	47	66232543.11
10/06/2023 1600	37	234	-11	311	47	61499785.12
10/06/2023 1615	35	237	-14	314	47	56288465.03
10/06/2023 1630	32	240	-16	316	47	50692249.85
10/06/2023 1645	29	243	-18	319	47	44919471.24
10/06/2023 1700	26	245	-20	321	47	39100068.46
10/06/2023 1715	23	248	-22	324	47	33284974.62
10/06/2023 1730	20	250	-24	327	47	27595173.22
10/06/2023 1745	17	253	-25	330	47	22184470.69
10/06/2023 1800	14	255	-27	333	46	17080188.38
10/06/2023 1815	11	257	-28	336	46	12304139.74
10/06/2023 1830	8	259	-29	340	46	8056529.48
10/06/2023 1845	5	261	-30	343	46	4477393.87
10/06/2023 1900	2	263	-31	347	46	1744095.17
10/06/2023 1915	-2	265	-32	350	46	221455.43
10/06/2023 1930	-5	267	-32	354	46	10374.7

10/06/2023 1945	-8	269	-32	358	46	275.19
10/06/2023 2000	-11	271	-32	2	46	13.28
10/06/2023 2015	-15	273	-32	5	45	2.23
10/06/2023 2030	-18	275	-32	9	45	1.17
10/06/2023 2045	-21	277	-31	13	45	0.5
10/06/2023 2100	-24	279	-31	16	45	0.5
10/06/2023 2115	-27	281	-30	20	45	0.5
10/06/2023 2130	-31	283	-28	23	45	0.5
10/06/2023 2145	-34	286	-27	27	45	0.5
10/06/2023 2200	-37	288	-26	30	45	0.5
10/06/2023 2215	-40	291	-24	33	45	0.5
10/06/2023 2230	-43	294	-22	36	45	0.5
10/06/2023 2245	-46	297	-21	39	44	0.5
10/06/2023 2300	-48	301	-19	41	44	0.5
10/06/2023 2315	-51	305	-17	44	44	0.5
10/06/2023 2330	-54	309	-14	46	44	0.5
10/06/2023 2345	-56	314	-12	49	44	0.5
10/07/2023 0000	-58	320	-10	51	44	0.5
10/07/2023 0015	-60	326	-7	53	44	0.5
10/07/2023 0030	-62	333	-5	55	44	0.5
10/07/2023 0045	-63	341	-2	57	44	0.52
10/07/2023 0100	-64	349	1	59	44	0.68
10/07/2023 0115	-64	358	3	61	43	0.96
10/07/2023 0130	-64	6	6	62	43	1.38
10/07/2023 0145	-64	15	9	64	43	1.88
10/07/2023 0200	-63	23	11	66	43	2.47
10/07/2023 0215	-61	30	14	67	43	3.13
10/07/2023 0230	-59	37	17	69	43	3.83
10/07/2023 0245	-57	43	20	70	43	4.59
10/07/2023 0300	-55	48	23	72	43	5.41
10/07/2023 0315	-53	53	26	73	43	6.25
10/07/2023 0330	-50	57	29	75	43	7.12
10/07/2023 0345	-47	61	32	76	42	8
10/07/2023 0400	-44	64	35	78	42	8.88
10/07/2023 0415	-42	67	38	79	42	9.71
10/07/2023 0430	-39	70	41	81	42	10.49
10/07/2023 0445	-35	73	44	82	42	11.26
10/07/2023 0500	-32	75	47	83	42	12.05
10/07/2023 0515	-29	78	50	85	42	12.84
10/07/2023 0530	-26	80	54	87	42	13.57
10/07/2023 0545	-23	82	57	88	42	14.26
10/07/2023 0600	-20	84	60	90	42	15.41
10/07/2023 0615	-17	86	63	92	42	16.25
10/07/2023 0630	-13	88	66	95	41	19.17
10/07/2023 0645	-10	90	69	97	41	55.02
10/07/2023 0700	-7	92	72	101	41	1192.48
10/07/2023 0715	-4	94	75	105	41	39964.65

10/07/2023 0730	0	96	78	111	41	768450.02
10/07/2023 0745	3	98	81	121	41	2690894.94
10/07/2023 0800	6	100	84	138	41	5809636.97
10/07/2023 0815	9	102	85	169	41	9647410.4
10/07/2023 0830	12	104	85	206	41	14118957.55
10/07/2023 0845	15	106	83	230	41	19023588.2
10/07/2023 0900	18	109	80	243	40	24225858.39
10/07/2023 0915	21	111	77	251	40	29735345.27
10/07/2023 0930	24	113	74	256	40	35469816.22
10/07/2023 0945	27	116	71	260	40	41267492.21
10/07/2023 1000	30	119	68	263	40	47045345.63
10/07/2023 1015	33	122	65	266	40	52740040.56
10/07/2023 1030	36	125	62	268	40	58180634.46
10/07/2023 1045	38	128	58	270	40	63179844.76
10/07/2023 1100	41	132	55	272	40	67716220.72
10/07/2023 1115	43	136	52	273	40	71920202.04
10/07/2023 1130	45	140	49	275	39	75892051.04
10/07/2023 1145	47	144	46	276	39	79592970.18
10/07/2023 1200	49	149	43	278	39	82896910.59
10/07/2023 1215	50	155	40	279	39	85692137.98
10/07/2023 1230	52	160	36	281	39	87922818.24
10/07/2023 1245	52	166	33	282	39	89570569.61
10/07/2023 1300	53	172	30	283	39	90627572.95
10/07/2023 1315	53	178	27	285	39	91086962.62
10/07/2023 1330	53	185	24	286	39	90944678.33
10/07/2023 1345	53	191	21	288	39	90202037.6
10/07/2023 1400	52	197	18	289	38	88864846.21
10/07/2023 1415	51	202	15	291	38	86940222.98
10/07/2023 1430	50	208	12	292	38	84438594.51
10/07/2023 1445	48	213	10	294	38	81392084.42
10/07/2023 1500	46	218	7	295	38	77883203.78
10/07/2023 1515	44	222	4	297	38	74040609.76
10/07/2023 1530	42	226	1	299	38	69962292.43
10/07/2023 1545	39	230	-2	301	38	65618905.81
10/07/2023 1600	37	233	-4	303	38	60872636.23
10/07/2023 1615	34	237	-7	305	38	55647300.35
10/07/2023 1630	32	240	-9	307	38	50057438.68
10/07/2023 1645	29	243	-12	309	37	44307760.5
10/07/2023 1700	26	245	-14	311	37	38513577.76
10/07/2023 1715	23	248	-17	314	37	32726693.32
10/07/2023 1730	20	250	-19	316	37	27077075.46
10/07/2023 1745	17	252	-21	319	37	21711006.61
10/07/2023 1800	14	255	-23	321	37	16645212.13
10/07/2023 1815	11	257	-25	324	37	11915069.46
10/07/2023 1830	8	259	-26	327	37	7729178.5
10/07/2023 1845	4	261	-28	331	37	4212732.29
10/07/2023 1900	1	263	-30	334	37	1577957.52

10/07/2023 1915	-2	265	-31	337	36	180193.42
10/07/2023 1930	-5	267	-32	341	36	7806.01
10/07/2023 1945	-8	268	-33	345	36	208.25
10/07/2023 2000	-12	270	-34	348	36	10.98
10/07/2023 2015	-15	272	-34	352	36	2.04
10/07/2023 2030	-18	274	-35	356	36	1.14
10/07/2023 2045	-21	276	-35	0	36	0.5
10/07/2023 2100	-25	278	-35	4	36	0.5
10/07/2023 2115	-28	281	-34	8	36	0.5
10/07/2023 2130	-31	283	-34	12	36	0.5
10/07/2023 2145	-34	285	-33	16	35	0.5
10/07/2023 2200	-37	288	-32	20	35	0.5
10/07/2023 2215	-40	291	-31	23	35	0.5
10/07/2023 2230	-43	294	-30	27	35	0.5
10/07/2023 2245	-46	297	-28	30	35	0.5
10/07/2023 2300	-49	301	-27	33	35	0.5
10/07/2023 2315	-51	305	-25	36	35	0.5
10/07/2023 2330	-54	309	-23	39	35	0.5
10/07/2023 2345	-56	314	-21	42	35	0.5
10/08/2023 0000	-59	320	-19	45	35	0.5
10/08/2023 0015	-61	326	-17	47	35	0.5
10/08/2023 0030	-62	333	-15	50	34	0.5
10/08/2023 0045	-63	341	-12	52	34	0.5
10/08/2023 0100	-64	349	-10	54	34	0.5
10/08/2023 0115	-65	358	-7	56	34	0.5
10/08/2023 0130	-65	6	-5	58	34	0.5
10/08/2023 0145	-64	15	-2	60	34	0.52
10/08/2023 0200	-63	23	1	62	34	0.63
10/08/2023 0215	-62	30	4	64	34	0.84
10/08/2023 0230	-60	37	6	66	34	1.12
10/08/2023 0245	-58	43	9	68	34	1.46
10/08/2023 0300	-55	48	12	69	34	1.85
10/08/2023 0315	-53	53	15	71	33	2.29
10/08/2023 0330	-50	57	18	73	33	2.75
10/08/2023 0345	-48	61	21	74	33	3.25
10/08/2023 0400	-45	65	24	76	33	3.78
10/08/2023 0415	-42	68	27	77	33	4.32
10/08/2023 0430	-39	71	30	79	33	4.88
10/08/2023 0445	-36	73	33	80	33	5.44
10/08/2023 0500	-33	76	36	82	33	5.99
10/08/2023 0515	-29	78	39	83	33	6.5
10/08/2023 0530	-26	81	42	85	33	6.99
10/08/2023 0545	-23	83	46	87	32	7.47
10/08/2023 0600	-20	85	49	89	32	8.49
10/08/2023 0615	-17	87	52	91	32	9.29
10/08/2023 0630	-13	89	55	93	32	12.06
10/08/2023 0645	-10	91	58	95	32	43.69

10/08/2023 0700	-7	93	61	97	32	1018.52
10/08/2023 0715	-4	95	64	100	32	34906.67
10/08/2023 0730	0	96	67	104	32	719624.71
10/08/2023 0745	3	98	70	108	32	2575948.55
10/08/2023 0800	6	100	73	113	32	5652036.85
10/08/2023 0815	9	102	76	120	32	9452966.23
10/08/2023 0830	12	104	79	130	31	13889324.06
10/08/2023 0845	15	107	81	145	31	18766365.46
10/08/2023 0900	18	109	82	167	31	23939152.45
10/08/2023 0915	21	111	82	191	31	29415053.89
10/08/2023 0930	24	114	81	213	31	35119874.51
10/08/2023 0945	27	116	79	228	31	40891947.49
10/08/2023 1000	30	119	76	238	31	46642750.38
10/08/2023 1015	33	122	73	245	31	52313280.68
10/08/2023 1030	35	125	70	251	31	57742434.68
10/08/2023 1045	38	128	67	255	31	62739884.64
10/08/2023 1100	40	132	64	258	31	67267186.01
10/08/2023 1115	43	136	61	261	30	71443168.25
10/08/2023 1130	45	140	58	264	30	75374003.49
10/08/2023 1145	47	145	55	266	30	79035864.34
10/08/2023 1200	48	150	52	268	30	82311920.37
10/08/2023 1215	50	155	49	270	30	85089272.83
10/08/2023 1230	51	160	45	272	30	87306384.46
10/08/2023 1245	52	166	42	273	30	88941041.99
10/08/2023 1300	53	172	39	275	30	89984832.44
10/08/2023 1315	53	178	36	277	30	90431760.47
10/08/2023 1330	53	185	33	278	30	90278454.97
10/08/2023 1345	52	191	30	280	30	89526120.44
10/08/2023 1400	52	197	27	281	29	88179753.3
10/08/2023 1415	51	202	24	283	29	86246103.2
10/08/2023 1430	49	208	21	284	29	83738088.28
10/08/2023 1445	48	213	18	286	29	80694548.37
10/08/2023 1500	46	217	15	287	29	77204607.03
10/08/2023 1515	44	222	12	289	29	73393729.17
10/08/2023 1530	41	226	9	291	29	69342948.49
10/08/2023 1545	39	230	6	292	29	65005041.98
10/08/2023 1600	37	233	3	294	29	60244047.42
10/08/2023 1615	34	236	0	296	29	55006846.56
10/08/2023 1630	31	239	-3	298	29	49426150.48
10/08/2023 1645	28	242	-6	300	28	43700526.58
10/08/2023 1700	26	245	-8	302	28	37931602.5
10/08/2023 1715	23	247	-11	304	28	32173923.08
10/08/2023 1730	20	250	-14	306	28	26565526.93
10/08/2023 1745	17	252	-16	308	28	21243636.95
10/08/2023 1800	14	254	-18	311	28	16216064.83
10/08/2023 1815	10	256	-21	313	28	11533213.83
10/08/2023 1830	7	258	-23	316	28	7409288.37

10/08/2023 1845	4	260	-25	319	28	3955798.79
10/08/2023 1900	1	262	-27	322	28	1423706.82
10/08/2023 1915	-2	264	-29	325	28	145755.02
10/08/2023 1930	-6	266	-31	328	28	5868.73
10/08/2023 1945	-9	268	-32	332	27	158.76
10/08/2023 2000	-12	270	-34	335	27	9.17
10/08/2023 2015	-15	272	-35	339	27	1.88
10/08/2023 2030	-18	274	-36	343	27	1.12
10/08/2023 2045	-22	276	-37	347	27	0.5
10/08/2023 2100	-25	278	-37	351	27	0.5
10/08/2023 2115	-28	280	-38	355	27	0.5
10/08/2023 2130	-31	283	-38	360	27	0.5
10/08/2023 2145	-34	285	-38	4	27	0.5
10/08/2023 2200	-37	288	-38	8	27	0.5
10/08/2023 2215	-40	290	-37	12	27	0.5
10/08/2023 2230	-43	293	-36	16	26	0.5
10/08/2023 2245	-46	297	-36	20	26	0.5
10/08/2023 2300	-49	300	-34	24	26	0.5
10/08/2023 2315	-52	304	-33	28	26	0.5
10/08/2023 2330	-54	309	-32	31	26	0.5
10/08/2023 2345	-57	314	-30	35	26	0.5
10/09/2023 0000	-59	319	-28	38	26	0.5
10/09/2023 0015	-61	326	-26	41	26	0.5
10/09/2023 0030	-63	333	-24	44	26	0.5
10/09/2023 0045	-64	341	-22	47	26	0.5
10/09/2023 0100	-65	349	-20	50	26	0.5
10/09/2023 0115	-65	358	-17	52	26	0.5
10/09/2023 0130	-65	7	-15	55	25	0.5
10/09/2023 0145	-64	15	-12	57	25	0.5
10/09/2023 0200	-63	23	-10	59	25	0.5
10/09/2023 0215	-62	31	-7	61	25	0.5
10/09/2023 0230	-60	38	-4	63	25	0.5
10/09/2023 0245	-58	44	-2	65	25	0.52
10/09/2023 0300	-56	49	2	67	25	0.6
10/09/2023 0315	-53	54	4	69	25	0.73
10/09/2023 0330	-50	58	7	71	25	0.91
10/09/2023 0345	-48	62	10	72	25	1.12
10/09/2023 0400	-45	65	13	74	25	1.36
10/09/2023 0415	-42	68	16	76	24	1.63
10/09/2023 0430	-39	71	19	78	24	1.91
10/09/2023 0445	-36	74	22	79	24	2.21
10/09/2023 0500	-33	76	25	81	24	2.53
10/09/2023 0515	-30	79	28	83	24	2.85
10/09/2023 0530	-26	81	31	84	24	3.17
10/09/2023 0545	-23	83	34	86	24	3.5
10/09/2023 0600	-20	85	38	88	24	3.81
10/09/2023 0615	-17	87	41	90	24	4.91

10/09/2023 0630	-14	89	44	92	24	7.3
10/09/2023 0645	-10	91	47	94	24	35.1
10/09/2023 0700	-7	93	50	96	24	870.01
10/09/2023 0715	-4	95	53	98	23	30410.15
10/09/2023 0730	-1	97	56	101	23	456579.79
10/09/2023 0745	3	99	59	104	23	2462549.63
10/09/2023 0800	6	101	62	108	23	5494540.78
10/09/2023 0815	9	103	65	112	23	9258327.39
10/09/2023 0830	12	105	68	117	23	13658714.15
10/09/2023 0845	15	107	71	123	23	18507586.91
10/09/2023 0900	18	109	73	131	23	23650828.61
10/09/2023 0915	21	112	76	141	23	29092772.82
10/09/2023 0930	24	114	77	154	23	34767244.64
10/09/2023 0945	27	117	78	170	23	40513389.88
10/09/2023 1000	30	119	78	187	23	46237012.21
10/09/2023 1015	32	122	77	203	22	51882597.16
10/09/2023 1030	35	125	76	216	22	57299080.04
10/09/2023 1045	38	129	74	227	22	62294522.15
10/09/2023 1100	40	132	71	235	22	66814250.95
10/09/2023 1115	42	136	68	241	22	70964390.91
10/09/2023 1130	44	141	65	246	22	74855248.23
10/09/2023 1145	46	145	63	250	22	78477327.98
10/09/2023 1200	48	150	59	254	22	81723892.6
10/09/2023 1215	50	155	56	257	22	84482158.08
10/09/2023 1230	51	161	53	260	22	86685450.3
10/09/2023 1245	52	166	50	262	22	88307477.42
10/09/2023 1300	52	172	47	264	22	89338730.22
10/09/2023 1315	53	179	44	266	21	89773743.11
10/09/2023 1330	52	185	41	268	21	89609698.72
10/09/2023 1345	52	191	38	270	21	88847690.97
10/09/2023 1400	51	197	34	272	21	87492122.56
10/09/2023 1415	50	202	31	274	21	85549942.23
10/09/2023 1430	49	208	28	275	21	83037265.38
10/09/2023 1445	47	213	25	277	21	79999652.26
10/09/2023 1500	45	217	22	279	21	76531382.98
10/09/2023 1515	43	222	19	280	21	72752554.32
10/09/2023 1530	41	226	16	282	21	68726633.09
10/09/2023 1545	39	229	13	284	21	64390849.58
10/09/2023 1600	36	233	10	285	21	59614411.54
10/09/2023 1615	34	236	7	287	21	54367754.92
10/09/2023 1630	31	239	4	289	20	48798868.68
10/09/2023 1645	28	242	1	291	20	43098034.11
10/09/2023 1700	25	245	-2	292	20	37354438.26
10/09/2023 1715	22	247	-5	294	20	31627028.11
10/09/2023 1730	19	250	-8	296	20	26060749.33
10/09/2023 1745	16	252	-11	298	20	20782466.78
10/09/2023 1800	13	254	-14	301	20	15792981.03

10/09/2023 1815	10	256	-16	303	20	11158804.23
10/09/2023 1830	7	258	-19	305	20	7096867.61
10/09/2023 1845	4	260	-22	308	20	3706880.1
10/09/2023 1900	1	262	-24	310	20	1281297.16
10/09/2023 1915	-3	264	-26	313	20	117250.23
10/09/2023 1930	-6	266	-29	316	20	4412.49
10/09/2023 1945	-9	268	-31	319	19	122
10/09/2023 2000	-12	270	-33	322	19	7.73
10/09/2023 2015	-15	272	-35	326	19	1.75
10/09/2023 2030	-19	274	-36	330	19	1.1
10/09/2023 2045	-22	276	-38	333	19	0.5
10/09/2023 2100	-25	278	-39	337	19	0.5
10/09/2023 2115	-28	280	-40	342	19	0.5
10/09/2023 2130	-31	282	-41	346	19	0.5
10/09/2023 2145	-34	285	-42	351	19	0.5
10/09/2023 2200	-38	287	-42	355	19	0.5
10/09/2023 2215	-41	290	-42	360	19	0.5
10/09/2023 2230	-44	293	-42	4	19	0.5
10/09/2023 2245	-47	296	-42	9	18	0.5
10/09/2023 2300	-49	300	-41	14	18	0.5
10/09/2023 2315	-52	304	-41	18	18	0.5
10/09/2023 2330	-55	308	-40	22	18	0.5
10/09/2023 2345	-57	313	-38	27	18	0.5
10/10/2023 0000	-59	319	-37	31	18	0.5
10/10/2023 0015	-61	326	-35	34	18	0.5
10/10/2023 0030	-63	333	-34	38	18	0.5
10/10/2023 0045	-64	341	-32	41	18	0.5
10/10/2023 0100	-65	349	-30	45	18	0.5
10/10/2023 0115	-65	358	-27	48	18	0.5
10/10/2023 0130	-65	7	-25	50	18	0.5
10/10/2023 0145	-65	16	-23	53	18	0.5
10/10/2023 0200	-64	24	-20	56	18	0.5
10/10/2023 0215	-62	31	-18	58	17	0.5
10/10/2023 0230	-60	38	-15	61	17	0.5
10/10/2023 0245	-58	44	-12	63	17	0.5
10/10/2023 0300	-56	49	-9	65	17	0.5
10/10/2023 0315	-53	54	-7	67	17	0.5
10/10/2023 0330	-51	58	-4	69	17	0.5
10/10/2023 0345	-48	62	-1	71	17	0.51
10/10/2023 0400	-45	66	2	73	17	0.57
10/10/2023 0415	-42	69	5	75	17	0.65
10/10/2023 0430	-39	72	8	77	17	0.74
10/10/2023 0445	-36	74	11	78	17	0.86
10/10/2023 0500	-33	77	14	80	17	0.99
10/10/2023 0515	-30	79	17	82	17	1.13
10/10/2023 0530	-27	81	20	84	16	1.28
10/10/2023 0545	-23	83	23	86	16	1.44

10/10/2023 0600	-20	86	27	87	16	1.6
10/10/2023 0615	-17	88	30	89	16	2.56
10/10/2023 0630	-14	90	33	91	16	4.65
10/10/2023 0645	-11	91	36	93	16	29.1
10/10/2023 0700	-7	93	39	95	16	743.7
10/10/2023 0715	-4	95	42	98	16	26425.21
10/10/2023 0730	-1	97	45	100	16	415827.79
10/10/2023 0745	2	99	48	103	16	2350834.08
10/10/2023 0800	6	101	51	106	16	5337196.98
10/10/2023 0815	9	103	54	109	16	9063549.03
10/10/2023 0830	12	105	57	112	16	13427205.74
10/10/2023 0845	15	107	60	116	16	18247302.66
10/10/2023 0900	18	110	63	121	15	23360947.44
10/10/2023 0915	21	112	65	127	15	28768609.16
10/10/2023 0930	24	114	68	134	15	34412040.04
10/10/2023 0945	27	117	70	142	15	40131914.63
10/10/2023 1000	29	120	72	151	15	45828262.85
10/10/2023 1015	32	123	73	162	15	51448192.56
10/10/2023 1030	35	126	73	174	15	56850757.01
10/10/2023 1045	37	129	73	187	15	61843803.93
10/10/2023 1100	40	133	73	199	15	66357343.01
10/10/2023 1115	42	137	71	210	15	70483867.35
10/10/2023 1130	44	141	69	219	15	74336037.31
10/10/2023 1145	46	145	67	226	15	77917877.88
10/10/2023 1200	48	150	65	233	15	81133439.34
10/10/2023 1215	49	155	62	238	15	83871298.16
10/10/2023 1230	50	161	59	243	14	86060315.97
10/10/2023 1245	51	167	56	247	14	87669998.3
10/10/2023 1300	52	173	53	250	14	88689287.68
10/10/2023 1315	52	179	50	253	14	89112894.27
10/10/2023 1330	52	185	47	256	14	88938401.05
10/10/2023 1345	52	191	44	259	14	88166815.68
10/10/2023 1400	51	197	41	261	14	86802214.04
10/10/2023 1415	50	202	38	263	14	84852316.14
10/10/2023 1430	48	207	35	265	14	82337002.88
10/10/2023 1445	47	212	32	267	14	79308307.5
10/10/2023 1500	45	217	28	269	14	75864075.48
10/10/2023 1515	43	221	25	271	14	72117075.82
10/10/2023 1530	41	225	22	273	14	68113058.14
10/10/2023 1545	38	229	19	274	14	63776288.5
10/10/2023 1600	36	233	16	276	14	58984177.22
10/10/2023 1615	33	236	13	278	13	53730670.65
10/10/2023 1630	31	239	10	280	13	48176038.76
10/10/2023 1645	28	242	7	281	13	42500532.5
10/10/2023 1700	25	244	4	283	13	36782385.28
10/10/2023 1715	22	247	1	285	13	31086358.32
10/10/2023 1730	19	249	-3	287	13	25562936.6

10/10/2023 1745	16	252	-6	289	13	20327596.97
10/10/2023 1800	13	254	-9	291	13	15376198.3
10/10/2023 1815	10	256	-12	293	13	10792041.76
10/10/2023 1830	7	258	-14	295	13	6791912.39
10/10/2023 1845	4	260	-17	297	13	3466281.14
10/10/2023 1900	1	262	-20	299	13	1150534.11
10/10/2023 1915	-3	264	-23	302	13	93843.37
10/10/2023 1930	-6	266	-25	304	13	3320.54
10/10/2023 1945	-9	268	-28	307	13	94.54
10/10/2023 2000	-12	269	-30	310	12	6.59
10/10/2023 2015	-16	271	-33	313	12	1.64
10/10/2023 2030	-19	273	-35	316	12	1.08
10/10/2023 2045	-22	275	-37	320	12	0.5
10/10/2023 2100	-25	277	-39	323	12	0.5
10/10/2023 2115	-28	280	-41	327	12	0.5
10/10/2023 2130	-32	282	-43	332	12	0.5
10/10/2023 2145	-35	284	-44	336	12	0.5
10/10/2023 2200	-38	287	-45	341	12	0.5
10/10/2023 2215	-41	290	-46	346	12	0.5
10/10/2023 2230	-44	293	-47	351	12	0.5
10/10/2023 2245	-47	296	-47	356	12	0.5
10/10/2023 2300	-50	300	-47	1	12	0.5
10/10/2023 2315	-52	304	-47	6	12	0.5
10/10/2023 2330	-55	308	-47	11	12	0.5
10/10/2023 2345	-57	313	-46	16	11	0.5
10/11/2023 0000	-60	319	-45	21	11	0.5
10/11/2023 0015	-62	325	-44	26	11	0.5
10/11/2023 0030	-63	332	-43	30	11	0.5
10/11/2023 0045	-65	340	-41	34	11	0.5
10/11/2023 0100	-65	349	-39	38	11	0.5
10/11/2023 0115	-66	358	-37	42	11	0.5
10/11/2023 0130	-66	7	-35	46	11	0.5
10/11/2023 0145	-65	16	-33	49	11	0.5
10/11/2023 0200	-64	24	-31	52	11	0.5
10/11/2023 0215	-62	32	-28	55	11	0.5
10/11/2023 0230	-61	39	-26	58	11	0.5
10/11/2023 0245	-58	45	-23	60	11	0.5
10/11/2023 0300	-56	50	-20	63	11	0.5
10/11/2023 0315	-54	55	-17	65	11	0.5
10/11/2023 0330	-51	59	-15	68	11	0.5
10/11/2023 0345	-48	63	-12	70	10	0.5
10/11/2023 0400	-45	66	-9	72	10	0.5
10/11/2023 0415	-42	69	-6	74	10	0.5
10/11/2023 0430	-39	72	-3	76	10	0.5
10/11/2023 0445	-36	75	1	78	10	0.51
10/11/2023 0500	-33	77	3	80	10	0.54
10/11/2023 0515	-30	80	6	82	10	0.58

10/11/2023 0530	-27	82	9	83	10	0.62
10/11/2023 0545	-24	84	12	85	10	0.67
10/11/2023 0600	-20	86	16	87	10	0.73
10/11/2023 0615	-17	88	19	89	10	1.55
10/11/2023 0630	-14	90	22	91	10	3.38
10/11/2023 0645	-11	92	25	93	10	24.9
10/11/2023 0700	-7	94	28	95	10	636.29
10/11/2023 0715	-4	96	31	97	10	22904.54
10/11/2023 0730	-1	98	34	99	10	377605.8
10/11/2023 0745	2	100	37	102	10	2240944.58
10/11/2023 0800	5	101	40	104	9	5180062.62
10/11/2023 0815	8	103	43	107	9	8868690.87
10/11/2023 0830	12	106	46	110	9	13194885.91
10/11/2023 0845	15	108	49	113	9	17985572.45
10/11/2023 0900	18	110	52	117	9	23069576.01
10/11/2023 0915	21	112	55	121	9	28442678.37
10/11/2023 0930	24	115	57	125	9	34054386.87
10/11/2023 0945	26	117	60	131	9	39747628.42
10/11/2023 1000	29	120	62	136	9	45416641.2
10/11/2023 1015	32	123	64	143	9	51010280.41
10/11/2023 1030	35	126	66	151	9	56397675.47
10/11/2023 1045	37	130	67	159	9	61387804.02
10/11/2023 1100	40	133	68	169	9	65896399.47
10/11/2023 1115	42	137	68	178	9	70001576.09
10/11/2023 1130	44	141	68	188	9	73816589.5
10/11/2023 1145	46	146	67	197	9	77358013.57
10/11/2023 1200	48	151	66	206	9	80541195.68
10/11/2023 1215	49	156	64	214	9	83257261.43
10/11/2023 1230	50	161	62	221	8	85431365.99
10/11/2023 1245	51	167	60	227	8	87028808.19
10/11/2023 1300	52	173	58	232	8	88036593.55
10/11/2023 1315	52	179	55	236	8	88449257.33
10/11/2023 1330	52	185	52	241	8	88264622.18
10/11/2023 1345	51	191	49	244	8	87483653.98
10/11/2023 1400	51	197	47	247	8	86110402.22
10/11/2023 1415	49	202	44	250	8	84153904.52
10/11/2023 1430	48	207	41	253	8	81638219.34
10/11/2023 1445	47	212	37	256	8	78621376.38
10/11/2023 1500	45	217	34	258	8	75203122.75
10/11/2023 1515	43	221	31	260	8	71487203.75
10/11/2023 1530	40	225	28	262	8	67501939.42
10/11/2023 1545	38	229	25	264	8	63161385.37
10/11/2023 1600	36	232	22	266	8	58353842.36
10/11/2023 1615	33	236	19	268	8	53096226.3
10/11/2023 1630	30	239	15	270	8	47558069.16
10/11/2023 1645	28	241	12	272	8	41908259.65
10/11/2023 1700	25	244	9	274	7	36215747.81

10/11/2023 1715	22	247	6	275	7	30552246.76
10/11/2023 1730	19	249	3	277	7	25072256.57
10/11/2023 1745	16	251	0	279	7	19879127.05
10/11/2023 1800	13	253	-3	281	7	14965955.05
10/11/2023 1815	10	256	-7	283	7	10433096.03
10/11/2023 1830	7	258	-10	285	7	6494412.13
10/11/2023 1845	3	260	-13	287	7	3234317.34
10/11/2023 1900	1	262	-16	289	7	1031066.1
10/11/2023 1915	-3	263	-19	291	7	74766.36
10/11/2023 1930	-6	265	-21	293	7	2503.06
10/11/2023 1945	-9	267	-24	295	7	73.9
10/11/2023 2000	-13	269	-27	298	7	5.66
10/11/2023 2015	-16	271	-30	301	7	1.55
10/11/2023 2030	-19	273	-33	303	7	1.06
10/11/2023 2045	-22	275	-35	306	7	0.5
10/11/2023 2100	-26	277	-38	310	7	0.5
10/11/2023 2115	-29	279	-40	313	7	0.5
10/11/2023 2130	-32	282	-42	317	7	0.5
10/11/2023 2145	-35	284	-44	321	7	0.5
10/11/2023 2200	-38	287	-46	325	6	0.5
10/11/2023 2215	-41	289	-48	330	6	0.5
10/11/2023 2230	-44	292	-49	335	6	0.5
10/11/2023 2245	-47	296	-51	340	6	0.5
10/11/2023 2300	-50	299	-52	345	6	0.5
10/11/2023 2315	-53	303	-52	351	6	0.5
10/11/2023 2330	-55	308	-53	357	6	0.5
10/11/2023 2345	-58	313	-53	3	6	0.5
10/12/2023 0000	-60	318	-53	9	6	0.5
10/12/2023 0015	-62	325	-52	15	6	0.5
10/12/2023 0030	-64	332	-51	20	6	0.5
10/12/2023 0045	-65	340	-50	25	6	0.5
10/12/2023 0100	-66	349	-49	31	6	0.5
10/12/2023 0115	-66	358	-47	35	6	0.5
10/12/2023 0130	-66	7	-45	40	6	0.5
10/12/2023 0145	-65	16	-43	44	6	0.5
10/12/2023 0200	-64	25	-41	48	6	0.5
10/12/2023 0215	-63	32	-39	51	6	0.5
10/12/2023 0230	-61	39	-36	55	6	0.5
10/12/2023 0245	-59	45	-34	58	6	0.5
10/12/2023 0300	-56	50	-31	61	6	0.5
10/12/2023 0315	-54	55	-28	63	5	0.5
10/12/2023 0330	-51	59	-26	66	5	0.5
10/12/2023 0345	-48	63	-23	68	5	0.5
10/12/2023 0400	-45	67	-20	71	5	0.5
10/12/2023 0415	-42	70	-17	73	5	0.5
10/12/2023 0430	-39	73	-14	75	5	0.5
10/12/2023 0445	-36	75	-11	77	5	0.5

10/12/2023 0500	-33	78	-8	79	5	0.5
10/12/2023 0515	-30	80	-5	81	5	0.5
10/12/2023 0530	-27	82	-2	83	5	0.5
10/12/2023 0545	-24	84	2	85	5	0.51
10/12/2023 0600	-20	86	5	87	5	0.52
10/12/2023 0615	-17	88	8	89	5	1.27
10/12/2023 0630	-14	90	11	91	5	2.9
10/12/2023 0645	-11	92	14	93	5	21.88
10/12/2023 0700	-8	94	17	95	5	544.79
10/12/2023 0715	-4	96	20	97	5	19803.41
10/12/2023 0730	-1	98	23	99	5	341873.05
10/12/2023 0745	2	100	26	101	5	2133028.54
10/12/2023 0800	5	102	29	104	5	5023203.68
10/12/2023 0815	8	104	32	106	5	8673816.5
10/12/2023 0830	11	106	35	109	5	12961850.22
10/12/2023 0845	14	108	38	111	5	17722465.42
10/12/2023 0900	17	110	41	114	4	22776787.36
10/12/2023 0915	20	113	44	117	4	28115103.53
10/12/2023 0930	23	115	46	121	4	33694423.38
10/12/2023 0945	26	118	49	125	4	39360648.84
10/12/2023 1000	29	120	51	129	4	45002292.54
10/12/2023 1015	32	123	54	134	4	50569083.84
10/12/2023 1030	34	127	56	139	4	55940067.18
10/12/2023 1045	37	130	58	145	4	60926624.23
10/12/2023 1100	39	134	59	151	4	65431370.2
10/12/2023 1115	42	137	61	158	4	69517479.22
10/12/2023 1130	44	142	62	166	4	73297088.08
10/12/2023 1145	46	146	62	173	4	76798209.18
10/12/2023 1200	47	151	62	181	4	79947808.66
10/12/2023 1215	49	156	62	189	4	82640671.52
10/12/2023 1230	50	161	61	197	4	84799067.59
10/12/2023 1245	51	167	60	204	4	86384199.03
10/12/2023 1300	51	173	59	210	4	87380818.71
10/12/2023 1315	51	179	57	216	4	87782954.38
10/12/2023 1330	51	185	55	222	4	87588509.67
10/12/2023 1345	51	191	52	227	4	86798470.46
10/12/2023 1400	50	196	50	231	4	85417175.91
10/12/2023 1415	49	202	47	235	4	83455475.89
10/12/2023 1430	48	207	45	239	4	80941851.66
10/12/2023 1445	46	212	42	242	4	77939654.11
10/12/2023 1500	44	217	39	245	4	74548855.37
10/12/2023 1515	42	221	36	248	3	70862780.12
10/12/2023 1530	40	225	33	251	3	66893010.48
10/12/2023 1545	38	229	30	253	3	62546236.13
10/12/2023 1600	35	232	27	255	3	57723945.94
10/12/2023 1615	33	235	24	258	3	52465035.09
10/12/2023 1630	30	238	21	260	3	46945332.94

10/12/2023 1645	27	241	18	262	3	41321445.92
10/12/2023 1700	24	244	15	264	3	35654833.57
10/12/2023 1715	21	246	11	266	3	30025007.55
10/12/2023 1730	19	249	8	267	3	24588852.94
10/12/2023 1745	16	251	5	269	3	19437157.7
10/12/2023 1800	12	253	2	271	3	14562487.92
10/12/2023 1815	9	255	-1	273	3	10082104.82
10/12/2023 1830	6	257	-4	275	3	6204354.84
10/12/2023 1845	3	259	-8	277	3	3011305.3
10/12/2023 1900	0	261	-11	279	3	922377.56
10/12/2023 1915	-3	263	-14	280	3	59326.89
10/12/2023 1930	-7	265	-17	282	3	1891.51
10/12/2023 1945	-10	267	-20	284	3	58.29
10/12/2023 2000	-13	269	-23	287	3	4.92
10/12/2023 2015	-16	271	-26	289	3	1.47
10/12/2023 2030	-19	273	-29	291	3	1.04
10/12/2023 2045	-23	275	-32	294	3	0.5
10/12/2023 2100	-26	277	-35	296	3	0.5
10/12/2023 2115	-29	279	-37	299	3	0.5
10/12/2023 2130	-32	281	-40	302	3	0.5
10/12/2023 2145	-35	284	-43	306	3	0.5
10/12/2023 2200	-38	286	-45	309	3	0.5
10/12/2023 2215	-41	289	-48	313	3	0.5
10/12/2023 2230	-44	292	-50	318	2	0.5
10/12/2023 2245	-47	295	-52	322	2	0.5
10/12/2023 2300	-50	299	-54	327	2	0.5
10/12/2023 2315	-53	303	-55	333	2	0.5
10/12/2023 2330	-56	307	-57	339	2	0.5
10/12/2023 2345	-58	312	-58	345	2	0.5
10/13/2023 0000	-60	318	-58	352	2	0.5
10/13/2023 0015	-62	325	-59	359	2	0.5
10/13/2023 0030	-64	332	-58	6	2	0.5
10/13/2023 0045	-65	340	-58	13	2	0.5
10/13/2023 0100	-66	349	-57	19	2	0.5
10/13/2023 0115	-67	358	-56	25	2	0.5
10/13/2023 0130	-66	8	-55	31	2	0.5
10/13/2023 0145	-66	17	-53	37	2	0.5
10/13/2023 0200	-65	25	-51	42	2	0.5
10/13/2023 0215	-63	33	-49	46	2	0.5
10/13/2023 0230	-61	40	-47	50	2	0.5
10/13/2023 0245	-59	46	-44	54	2	0.5
10/13/2023 0300	-57	51	-42	58	2	0.5
10/13/2023 0315	-54	56	-39	61	2	0.5
10/13/2023 0330	-51	60	-37	64	2	0.5
10/13/2023 0345	-48	64	-34	67	2	0.5
10/13/2023 0400	-46	67	-31	70	2	0.5
10/13/2023 0415	-43	70	-28	72	2	0.5

10/13/2023 0430	-40	73	-25	74	2	0.5
10/13/2023 0445	-36	76	-22	77	2	0.5
10/13/2023 0500	-33	78	-19	79	2	0.5
10/13/2023 0515	-30	80	-16	81	2	0.5
10/13/2023 0530	-27	83	-13	83	2	0.5
10/13/2023 0545	-24	85	-10	85	2	0.5
10/13/2023 0600	-21	87	-7	87	2	0.5
10/13/2023 0615	-17	89	-4	89	2	1.23
10/13/2023 0630	-14	91	0	91	2	2.7
10/13/2023 0645	-11	93	3	93	2	19.5
10/13/2023 0700	-8	94	6	95	2	466.64
10/13/2023 0715	-5	96	9	97	1	17080.03
10/13/2023 0730	-1	98	12	99	1	308579.41
10/13/2023 0745	2	100	15	101	1	2027236.73
10/13/2023 0800	5	102	18	103	1	4866695.08
10/13/2023 0815	8	104	21	105	1	8478992.43
10/13/2023 0830	11	106	24	107	1	12728201.42
10/13/2023 0845	14	108	27	110	1	17458059.27
10/13/2023 0900	17	111	30	112	1	22482659.55
10/13/2023 0915	20	113	32	115	1	27786013.84
10/13/2023 0930	23	115	35	118	1	33332298.73
10/13/2023 0945	26	118	38	121	1	38971103.71
10/13/2023 1000	29	121	41	125	1	44585367.32
10/13/2023 1015	32	124	43	128	1	50124833.21
10/13/2023 1030	34	127	45	132	1	55478183.64
10/13/2023 1045	37	130	48	136	1	60460394.35
10/13/2023 1100	39	134	50	141	1	64962220.13
10/13/2023 1115	41	138	51	146	1	69031524.31
10/13/2023 1130	43	142	53	152	1	72777678.95
10/13/2023 1145	45	146	54	157	1	76238906
10/13/2023 1200	47	151	55	164	1	79353925.92
10/13/2023 1215	48	156	56	170	1	82022196.77
10/13/2023 1230	49	162	56	177	1	84163965.73
10/13/2023 1245	50	167	56	183	1	85736553.97
10/13/2023 1300	51	173	56	190	1	86722225.9
10/13/2023 1315	51	179	55	196	1	87114199.74
10/13/2023 1330	51	185	54	202	1	86910311.07
10/13/2023 1345	51	191	53	208	1	86111640.82
10/13/2023 1400	50	196	51	213	1	84723132.2
10/13/2023 1415	49	202	49	218	1	82757869.11
10/13/2023 1430	47	207	47	223	1	80248831.89
10/13/2023 1445	46	212	45	227	1	77263853.75
10/13/2023 1500	44	217	42	231	1	73901497.9
10/13/2023 1515	42	221	40	234	1	70243592.84
10/13/2023 1530	40	225	37	238	1	66286035.19
10/13/2023 1545	37	228	34	241	1	61931006.49
10/13/2023 1600	35	232	31	243	1	57095059.42

10/13/2023 1615	32	235	29	246	1	51837685.29
10/13/2023 1630	30	238	26	248	1	46338169.78
10/13/2023 1645	27	241	23	251	1	40740317.15
10/13/2023 1700	24	244	20	253	1	35099952.33
10/13/2023 1715	21	246	17	255	1	29504934.23
10/13/2023 1730	18	248	13	257	1	24112847.87
10/13/2023 1745	15	251	10	259	1	19001792.85
10/13/2023 1800	12	253	7	261	1	14166029.09
10/13/2023 1815	9	255	4	263	1	9739174.41
10/13/2023 1830	6	257	1	265	1	5921732.11
10/13/2023 1845	3	259	-2	267	1	2797552.18
10/13/2023 1900	0	261	-5	268	1	823783.65
10/13/2023 1915	-4	263	-9	270	1	46912.02
10/13/2023 1930	-7	265	-12	272	1	1434
10/13/2023 1945	-10	267	-15	274	1	46.4
10/13/2023 2000	-13	269	-18	276	0	4.31
10/13/2023 2015	-16	270	-21	278	0	1.41
10/13/2023 2030	-20	272	-24	280	0	1.03
10/13/2023 2045	-23	274	-27	282	0	0.5
10/13/2023 2100	-26	277	-30	284	0	0.5
10/13/2023 2115	-29	279	-33	286	0	0.5
10/13/2023 2130	-32	281	-36	289	0	0.5
10/13/2023 2145	-36	283	-39	292	0	0.5
10/13/2023 2200	-39	286	-42	294	0	0.5
10/13/2023 2215	-42	289	-45	297	0	0.5
10/13/2023 2230	-45	292	-48	301	0	0.5
10/13/2023 2245	-48	295	-50	305	0	0.5
10/13/2023 2300	-51	298	-53	309	0	0.5
10/13/2023 2315	-53	302	-55	313	0	0.5
10/13/2023 2330	-56	307	-57	318	0	0.5
10/13/2023 2345	-58	312	-59	324	0	0.5
10/14/2023 0000	-61	318	-61	330	0	0.5
10/14/2023 0015	-63	324	-62	337	0	0.5
10/14/2023 0030	-64	332	-64	345	0	0.5
10/14/2023 0045	-66	340	-64	353	0	0.5
10/14/2023 0100	-67	349	-64	1	0	0.5
10/14/2023 0115	-67	358	-64	9	0	0.5
10/14/2023 0130	-67	8	-64	17	0	0.5
10/14/2023 0145	-66	17	-62	25	0	0.5
10/14/2023 0200	-65	26	-61	32	0	0.5
10/14/2023 0215	-63	33	-59	38	0	0.5
10/14/2023 0230	-61	40	-57	44	0	0.5
10/14/2023 0245	-59	46	-55	49	0	0.5
10/14/2023 0300	-57	52	-53	54	0	0.5
10/14/2023 0315	-54	56	-50	58	0	0.5
10/14/2023 0330	-52	60	-48	61	0	0.5
10/14/2023 0345	-49	64	-45	65	0	0.5

10/14/2023 0400	-46	68	-42	68	0	0.5
10/14/2023 0415	-43	71	-39	71	0	0.5
10/14/2023 0430	-40	73	-36	74	0	0.5
10/14/2023 0445	-37	76	-33	76	0	0.5
10/14/2023 0500	-33	78	-30	78	0	0.5
10/14/2023 0515	-30	81	-27	81	0	0.5
10/14/2023 0530	-27	83	-24	83	0	0.5
10/14/2023 0545	-24	85	-21	85	0	0.5
10/14/2023 0600	-21	87	-18	87	0	0.5
10/14/2023 0615	-18	89	-15	89	0	1.21
10/14/2023 0630	-14	91	-12	91	0	2.55
10/14/2023 0645	-11	93	-9	93	0	17.44
10/14/2023 0700	-8	95	-6	95	0	399.75
10/14/2023 0715	-5	97	-3	96	0	14695.59
10/14/2023 0730	-2	99	1	98	0	277665.51
10/14/2023 0745	2	101	3	100	0	1923721.28
10/14/2023 0800	5	103	6	102	0	4710620.57
10/14/2023 0815	8	105	9	104	0	8284287.35
10/14/2023 0830	11	107	12	107	0	12494048.5
10/14/2023 0845	14	109	15	109	0	17192439.73
10/14/2023 0900	17	111	18	111	0	22187274.83
10/14/2023 0915	20	113	21	113	0	27455543.18
10/14/2023 0930	23	116	24	116	0	32968171.49
10/14/2023 0945	26	118	27	118	0	38579130.19
10/14/2023 1000	29	121	29	121	0	44166020.02
10/14/2023 1015	31	124	32	124	0	49677763.98
10/14/2023 1030	34	127	34	127	0	55012293.97
10/14/2023 1045	36	131	37	131	0	59989272.05
10/14/2023 1100	39	134	39	134	0	64488931.92
10/14/2023 1115	41	138	41	138	0	68543647.37
10/14/2023 1130	43	142	43	142	0	72258469.94
10/14/2023 1145	45	147	45	147	0	75680505.91
10/14/2023 1200	47	152	47	152	0	78760184.38
10/14/2023 1215	48	157	48	157	0	81402538.33
10/14/2023 1230	49	162	49	162	0	83526675.43
10/14/2023 1245	50	168	50	167	0	85086346.31
10/14/2023 1300	50	173	50	173	0	86061174.76
10/14/2023 1315	51	179	50	179	0	86443308.05
10/14/2023 1330	51	185	50	184	0	86230380.42
10/14/2023 1345	50	191	50	190	0	85423651.44
10/14/2023 1400	49	196	49	196	0	84028965.29
10/14/2023 1415	48	202	48	201	0	82061972.6
10/14/2023 1430	47	207	47	206	0	79560065.15
10/14/2023 1445	45	212	45	211	0	76594594.89
10/14/2023 1500	44	216	43	215	0	73261173.89
10/14/2023 1515	42	221	41	219	0	69629390.66
10/14/2023 1530	39	225	39	223	0	65680819.04

10/14/2023 1545	37	228	37	227	0	61315930.65
10/14/2023 1600	35	232	35	230	0	56467777.94
10/14/2023 1615	32	235	32	233	0	51214735.94
10/14/2023 1630	29	238	29	236	0	45736888.91
10/14/2023 1645	27	241	27	239	0	40165097.52
10/14/2023 1700	24	243	24	241	0	34551414.24
10/14/2023 1715	21	246	21	244	0	28992298.39
10/14/2023 1730	18	248	18	246	0	23644344.76
10/14/2023 1745	15	250	15	248	0	18573141.35
10/14/2023 1800	12	253	12	251	0	13776803.58
10/14/2023 1815	9	255	9	253	0	9404380.87
10/14/2023 1830	6	257	6	255	0	5646543.55
10/14/2023 1845	3	259	4	257	0	2593344.25
10/14/2023 1900	0	261	1	258	0	734428.37
10/14/2023 1915	-4	263	-3	260	0	36987.98
10/14/2023 1930	-7	264	-6	262	0	1091.43
10/14/2023 1945	-10	266	-9	264	0	37.29
10/14/2023 2000	-13	268	-12	266	0	3.81
10/14/2023 2015	-17	270	-15	267	0	1.35
10/14/2023 2030	-20	272	-19	269	0	1.02
10/14/2023 2045	-23	274	-22	271	0	0.5
10/14/2023 2100	-26	276	-25	273	0	0.5
10/14/2023 2115	-29	278	-28	275	0	0.5
10/14/2023 2130	-33	281	-31	277	0	0.5
10/14/2023 2145	-36	283	-34	279	0	0.5
10/14/2023 2200	-39	285	-37	281	0	0.5
10/14/2023 2215	-42	288	-40	283	0	0.5
10/14/2023 2230	-45	291	-43	286	0	0.5
10/14/2023 2245	-48	294	-46	289	0	0.5
10/14/2023 2300	-51	298	-49	292	0	0.5
10/14/2023 2315	-54	302	-52	295	0	0.5
10/14/2023 2330	-56	307	-55	298	0	0.5
10/14/2023 2345	-59	312	-57	303	0	0.5
10/15/2023 0000	-61	317	-60	307	0	0.5
10/15/2023 0015	-63	324	-62	313	0	0.5
10/15/2023 0030	-65	332	-65	319	0	0.5
10/15/2023 0045	-66	340	-67	326	0	0.5
10/15/2023 0100	-67	349	-68	334	0	0.5
10/15/2023 0115	-67	359	-69	343	0	0.5
10/15/2023 0130	-67	8	-70	353	0	0.5
10/15/2023 0145	-66	17	-70	4	0	0.5
10/15/2023 0200	-65	26	-70	14	0	0.5
10/15/2023 0215	-64	34	-69	23	0	0.5
10/15/2023 0230	-62	41	-67	32	0	0.5
10/15/2023 0245	-60	47	-66	40	0	0.5
10/15/2023 0300	-57	52	-64	47	0	0.5
10/15/2023 0315	-54	57	-61	52	0	0.5

10/15/2023 0330	-52	61	-59	57	0	0.5
10/15/2023 0345	-49	65	-56	62	0	0.5
10/15/2023 0400	-46	68	-53	66	0	0.5
10/15/2023 0415	-43	71	-51	69	0	0.5
10/15/2023 0430	-40	74	-48	72	0	0.5
10/15/2023 0445	-37	76	-45	75	0	0.5
10/15/2023 0500	-34	79	-42	78	0	0.5
10/15/2023 0515	-30	81	-39	80	0	0.5
10/15/2023 0530	-27	83	-36	82	0	0.5
10/15/2023 0545	-24	85	-33	85	0	0.5
10/15/2023 0600	-21	87	-30	87	1	0.5
10/15/2023 0615	-18	89	-27	89	1	1.19
10/15/2023 0630	-14	91	-24	91	1	2.42
10/15/2023 0645	-11	93	-21	92	1	15.63
10/15/2023 0700	-8	95	-18	94	1	342.5
10/15/2023 0715	-5	97	-14	96	1	12614.26
10/15/2023 0730	-2	99	-11	98	1	249063.09
10/15/2023 0745	2	101	-8	100	1	1822633.65
10/15/2023 0800	5	103	-5	102	1	4555072.67
10/15/2023 0815	8	105	-2	104	1	8089771.26
10/15/2023 0830	11	107	1	106	1	12259505.41
10/15/2023 0845	14	109	4	108	1	16925699.71
10/15/2023 0900	17	111	7	110	1	21890718.65
10/15/2023 0915	20	114	10	112	1	27123828.57
10/15/2023 0930	23	116	12	114	1	32602208.39
10/15/2023 0945	26	119	15	116	1	38184874
10/15/2023 1000	28	122	18	119	1	43744408.22
10/15/2023 1015	31	125	21	121	1	49228114.64
10/15/2023 1030	34	128	23	124	1	54542682.37
10/15/2023 1045	36	131	26	126	1	59513442.34
10/15/2023 1100	39	135	28	129	1	64011508.35
10/15/2023 1115	41	138	30	132	1	68053776.17
10/15/2023 1130	43	143	33	136	1	71739531.21
10/15/2023 1145	45	147	35	139	1	75123365.94
10/15/2023 1200	46	152	37	143	1	78167199.3
10/15/2023 1215	48	157	38	147	1	80782417.35
10/15/2023 1230	49	162	40	151	1	82887871.44
10/15/2023 1245	50	168	41	155	1	84434134.58
10/15/2023 1300	50	173	43	160	1	85398122.1
10/15/2023 1315	50	179	43	165	1	85770697.03
10/15/2023 1330	50	185	44	170	1	85549179.11
10/15/2023 1345	50	191	44	174	1	84735093.53
10/15/2023 1400	49	196	45	179	1	83335451.06
10/15/2023 1415	48	202	44	185	1	81368702.05
10/15/2023 1430	47	207	44	189	1	78876409.67
10/15/2023 1445	45	212	43	194	1	75932396.37
10/15/2023 1500	43	216	42	199	1	72627914.16

10/15/2023 1515	41	220	41	203	1	69019898.83
10/15/2023 1530	39	224	40	208	1	65077218.77
10/15/2023 1545	37	228	38	212	1	60701308.48
10/15/2023 1600	34	231	36	216	1	55842711.99
10/15/2023 1615	32	235	34	219	1	50596713.99
10/15/2023 1630	29	238	32	223	1	45141772.81
10/15/2023 1645	26	240	30	226	1	39596012.18
10/15/2023 1700	24	243	28	229	1	34009528.28
10/15/2023 1715	21	245	25	232	1	28487349.16
10/15/2023 1730	18	248	23	235	1	23183431.36
10/15/2023 1745	15	250	20	237	1	18151318.25
10/15/2023 1800	12	252	17	240	1	13395026.64
10/15/2023 1815	9	254	15	242	2	9077772
10/15/2023 1830	6	256	12	244	2	5378800.36
10/15/2023 1845	3	258	9	246	2	2398935.26
10/15/2023 1900	-1	260	6	248	2	438889.56
10/15/2023 1915	-4	262	3	250	2	29096.96
10/15/2023 1930	-7	264	0	252	2	834.51
10/15/2023 1945	-10	266	-3	254	2	30.24
10/15/2023 2000	-14	268	-6	256	2	3.39
10/15/2023 2015	-17	270	-9	257	2	1.31
10/15/2023 2030	-20	272	-12	259	2	0.5
10/15/2023 2045	-23	274	-15	261	2	0.5
10/15/2023 2100	-26	276	-18	262	2	0.5
10/15/2023 2115	-30	278	-21	264	2	0.5
10/15/2023 2130	-33	280	-25	266	2	0.5
10/15/2023 2145	-36	283	-28	268	2	0.5
10/15/2023 2200	-39	285	-31	269	2	0.5
10/15/2023 2215	-42	288	-34	271	2	0.5
10/15/2023 2230	-45	291	-37	273	2	0.5
10/15/2023 2245	-48	294	-40	275	2	0.5
10/15/2023 2300	-51	298	-43	277	2	0.5
10/15/2023 2315	-54	302	-46	279	2	0.5
10/15/2023 2330	-57	306	-49	282	2	0.5
10/15/2023 2345	-59	311	-52	284	2	0.5
10/16/2023 0000	-61	317	-55	287	2	0.5
10/16/2023 0015	-63	324	-58	291	2	0.5
10/16/2023 0030	-65	331	-61	295	2	0.5
10/16/2023 0045	-67	340	-64	299	2	0.5
10/16/2023 0100	-67	349	-67	304	2	0.5
10/16/2023 0115	-68	359	-69	311	2	0.5
10/16/2023 0130	-68	8	-71	318	2	0.5
10/16/2023 0145	-67	18	-73	328	2	0.5
10/16/2023 0200	-66	27	-75	339	2	0.5
10/16/2023 0215	-64	34	-75	352	2	0.5
10/16/2023 0230	-62	41	-76	5	2	0.5
10/16/2023 0245	-60	47	-75	19	3	0.5

10/16/2023 0300	-57	53	-74	31	3	0.5
10/16/2023 0315	-55	57	-72	41	3	0.5
10/16/2023 0330	-52	61	-70	49	3	0.5
10/16/2023 0345	-49	65	-67	56	3	0.5
10/16/2023 0400	-46	68	-65	61	3	0.5
10/16/2023 0415	-43	71	-62	66	3	0.5
10/16/2023 0430	-40	74	-59	70	3	0.5
10/16/2023 0445	-37	77	-56	73	3	0.5
10/16/2023 0500	-34	79	-54	76	3	0.5
10/16/2023 0515	-31	82	-51	79	3	0.5
10/16/2023 0530	-27	84	-48	82	3	0.5
10/16/2023 0545	-24	86	-44	84	3	0.5
10/16/2023 0600	-21	88	-41	86	3	0.5
10/16/2023 0615	-18	90	-38	88	3	1.18
10/16/2023 0630	-15	92	-35	90	3	2.29
10/16/2023 0645	-11	94	-32	92	3	14.04
10/16/2023 0700	-8	95	-29	94	3	293.53
10/16/2023 0715	-5	97	-26	96	3	10803.02
10/16/2023 0730	-2	99	-23	98	3	222695.39
10/16/2023 0745	2	101	-20	99	3	1724122.19
10/16/2023 0800	5	103	-17	101	3	4400152.33
10/16/2023 0815	8	105	-14	103	3	7895514.55
10/16/2023 0830	11	107	-11	105	3	12024689.69
10/16/2023 0845	14	109	-8	106	3	16657938.5
10/16/2023 0900	17	112	-5	108	3	21593078.77
10/16/2023 0915	20	114	-2	110	3	26791008.66
10/16/2023 0930	23	117	1	112	3	32234582.69
10/16/2023 0945	25	119	4	114	4	37788488.58
10/16/2023 1000	28	122	6	116	4	43320691.59
10/16/2023 1015	31	125	9	118	4	48776124.64
10/16/2023 1030	33	128	12	120	4	54069645.6
10/16/2023 1045	36	131	14	123	4	59033116.69
10/16/2023 1100	38	135	17	125	4	63529974.69
10/16/2023 1115	40	139	19	128	4	67561834.05
10/16/2023 1130	43	143	22	130	4	71220896.69
10/16/2023 1145	44	147	24	133	4	74567794.18
10/16/2023 1200	46	152	26	136	4	77575554.18
10/16/2023 1215	47	157	28	139	4	80162561.62
10/16/2023 1230	48	162	30	143	4	82248275.98
10/16/2023 1245	49	168	32	146	4	83780554.23
10/16/2023 1300	50	174	34	150	4	84733617.77
10/16/2023 1315	50	179	35	154	4	85096885.11
10/16/2023 1330	50	185	36	158	4	84867271.27
10/16/2023 1345	49	191	37	162	4	84046652.34
10/16/2023 1400	49	196	38	166	4	82643428.7
10/16/2023 1415	48	202	39	170	4	80678978.27
10/16/2023 1430	46	207	39	175	4	78198659.72

10/16/2023 1445	45	211	39	179	4	75277672.92
10/16/2023 1500	43	216	39	184	4	72001667.74
10/16/2023 1515	41	220	39	188	4	68414834.77
10/16/2023 1530	39	224	38	192	5	64475150.34
10/16/2023 1545	36	228	37	197	5	60087501.41
10/16/2023 1600	34	231	36	201	5	55220479.64
10/16/2023 1615	31	234	35	205	5	49984112.94
10/16/2023 1630	29	237	34	209	5	44553081.53
10/16/2023 1645	26	240	32	212	5	39033289.74
10/16/2023 1700	23	243	30	216	5	33474600.75
10/16/2023 1715	20	245	28	219	5	27990313.39
10/16/2023 1730	17	248	26	222	5	22730183.37
10/16/2023 1745	14	250	24	225	5	17736445.84
10/16/2023 1800	11	252	22	228	5	13020901.59
10/16/2023 1815	8	254	19	230	5	8759370.08
10/16/2023 1830	5	256	17	233	5	5118528.28
10/16/2023 1845	2	258	14	235	5	2214535.26
10/16/2023 1900	-1	260	12	238	5	373310.24
10/16/2023 1915	-4	262	9	240	5	22851.73
10/16/2023 1930	-7	264	6	242	5	641.42
10/16/2023 1945	-11	266	4	244	5	24.78
10/16/2023 2000	-14	268	1	246	5	3.06
10/16/2023 2015	-17	270	-2	247	5	1.27
10/16/2023 2030	-20	271	-5	249	5	0.5
10/16/2023 2045	-24	273	-8	251	5	0.5
10/16/2023 2100	-27	276	-11	253	6	0.5
10/16/2023 2115	-30	278	-14	254	6	0.5
10/16/2023 2130	-33	280	-17	256	6	0.5
10/16/2023 2145	-36	282	-20	257	6	0.5
10/16/2023 2200	-39	285	-23	259	6	0.5
10/16/2023 2215	-42	287	-26	261	6	0.5
10/16/2023 2230	-46	290	-29	262	6	0.5
10/16/2023 2245	-48	294	-32	264	6	0.5
10/16/2023 2300	-51	297	-36	265	6	0.5
10/16/2023 2315	-54	301	-39	267	6	0.5
10/16/2023 2330	-57	306	-42	269	6	0.5
10/16/2023 2345	-59	311	-45	271	6	0.5
10/17/2023 0000	-62	317	-48	273	6	0.5
10/17/2023 0015	-64	323	-51	275	6	0.5
10/17/2023 0030	-66	331	-54	277	6	0.5
10/17/2023 0045	-67	340	-57	279	6	0.5
10/17/2023 0100	-68	349	-60	282	6	0.5
10/17/2023 0115	-68	359	-63	285	6	0.5
10/17/2023 0130	-68	9	-66	289	6	0.5
10/17/2023 0145	-67	18	-69	293	7	0.5
10/17/2023 0200	-66	27	-72	299	7	0.5
10/17/2023 0215	-64	35	-74	306	7	0.5

10/17/2023 0230	-62	42	-77	315	7	0.5
10/17/2023 0245	-60	48	-79	328	7	0.5
10/17/2023 0300	-58	53	-80	344	7	0.5
10/17/2023 0315	-55	58	-80	4	7	0.5
10/17/2023 0330	-52	62	-80	23	7	0.5
10/17/2023 0345	-49	66	-78	38	7	0.5
10/17/2023 0400	-46	69	-76	50	7	0.5
10/17/2023 0415	-43	72	-74	58	7	0.5
10/17/2023 0430	-40	75	-71	65	7	0.5
10/17/2023 0445	-37	77	-68	70	7	0.5
10/17/2023 0500	-34	80	-65	74	7	0.5
10/17/2023 0515	-31	82	-62	78	7	0.5
10/17/2023 0530	-28	84	-59	80	7	0.5
10/17/2023 0545	-24	86	-56	83	7	0.5
10/17/2023 0600	-21	88	-53	85	7	0.5
10/17/2023 0615	-18	90	-50	88	8	1.16
10/17/2023 0630	-15	92	-47	90	8	2.18
10/17/2023 0645	-12	94	-44	92	8	12.63
10/17/2023 0700	-8	96	-41	93	8	251.66
10/17/2023 0715	-5	98	-38	95	8	9231.51
10/17/2023 0730	-2	100	-35	97	8	198477.78
10/17/2023 0745	2	102	-32	98	8	1628329.9
10/17/2023 0800	5	104	-29	100	8	4245968.89
10/17/2023 0815	8	106	-26	102	8	7701587.37
10/17/2023 0830	11	108	-23	103	8	11789721.3
10/17/2023 0845	14	110	-20	105	8	16389261.04
10/17/2023 0900	17	112	-17	107	8	21294444.6
10/17/2023 0915	20	114	-14	108	8	26457222.43
10/17/2023 0930	22	117	-11	110	8	31865472.93
10/17/2023 0945	25	119	-8	112	8	37390134.34
10/17/2023 1000	28	122	-6	113	8	42895031.29
10/17/2023 1015	31	125	-3	115	8	48322032.61
10/17/2023 1030	33	128	1	117	9	53593490.35
10/17/2023 1045	36	132	3	119	9	58548531.92
10/17/2023 1100	38	135	6	121	9	63044380.73
10/17/2023 1115	40	139	8	123	9	67067744.03
10/17/2023 1130	42	143	11	126	9	70702566.57
10/17/2023 1145	44	148	13	128	9	74014047.04
10/17/2023 1200	46	152	15	130	9	76985791.65
10/17/2023 1215	47	157	18	133	9	79543692.21
10/17/2023 1230	48	163	20	135	9	81608644.89
10/17/2023 1245	49	168	22	138	9	83126306.27
10/17/2023 1300	49	174	24	141	9	84068296.31
10/17/2023 1315	50	179	26	144	9	84422484.26
10/17/2023 1330	49	185	28	148	9	84185314.37
10/17/2023 1345	49	191	29	151	9	83359092.37
10/17/2023 1400	48	196	31	154	9	81953780.22

10/17/2023 1415	47	201	32	158	9	79993705.58
10/17/2023 1430	46	206	33	162	10	77527531.67
10/17/2023 1445	44	211	34	166	10	74630735.54
10/17/2023 1500	43	216	34	170	10	71382314.83
10/17/2023 1515	41	220	35	174	10	67813923.21
10/17/2023 1530	38	224	35	178	10	63874594.81
10/17/2023 1545	36	227	35	182	10	59474927.21
10/17/2023 1600	34	231	35	186	10	54601699.36
10/17/2023 1615	31	234	34	190	10	49377392.68
10/17/2023 1630	29	237	33	194	10	43971057.29
10/17/2023 1645	26	240	33	198	10	38477164.27
10/17/2023 1700	23	242	31	202	10	32946934
10/17/2023 1715	20	245	30	205	10	27501396.53
10/17/2023 1730	17	247	29	209	10	22284668.09
10/17/2023 1745	14	250	27	212	10	17328654.38
10/17/2023 1800	11	252	25	215	10	12654618.06
10/17/2023 1815	8	254	23	218	11	8449175.35
10/17/2023 1830	5	256	21	221	11	4865769.34
10/17/2023 1845	2	258	19	224	11	2040300.24
10/17/2023 1900	-1	260	17	226	11	316223.02
10/17/2023 1915	-5	262	15	229	11	17929.07
10/17/2023 1930	-8	264	12	231	11	496.03
10/17/2023 1945	-11	265	10	233	11	20.63
10/17/2023 2000	-14	267	7	236	11	2.88
10/17/2023 2015	-17	269	5	238	11	1.31
10/17/2023 2030	-21	271	2	240	11	0.53
10/17/2023 2045	-24	273	0	241	11	0.51
10/17/2023 2100	-27	275	-3	243	11	0.5
10/17/2023 2115	-30	277	-6	245	11	0.5
10/17/2023 2130	-33	280	-9	247	11	0.5
10/17/2023 2145	-36	282	-12	248	11	0.5
10/17/2023 2200	-40	284	-15	250	12	0.5
10/17/2023 2215	-43	287	-18	251	12	0.5
10/17/2023 2230	-46	290	-21	253	12	0.5
10/17/2023 2245	-49	293	-24	254	12	0.5
10/17/2023 2300	-52	297	-27	256	12	0.5
10/17/2023 2315	-54	301	-30	257	12	0.5
10/17/2023 2330	-57	305	-33	259	12	0.5
10/17/2023 2345	-60	310	-36	260	12	0.5
10/18/2023 0000	-62	316	-39	262	12	0.5
10/18/2023 0015	-64	323	-42	263	12	0.5
10/18/2023 0030	-66	331	-45	265	12	0.5
10/18/2023 0045	-67	340	-48	266	12	0.5
10/18/2023 0100	-68	349	-51	268	12	0.5
10/18/2023 0115	-68	359	-54	270	12	0.5
10/18/2023 0130	-68	9	-57	272	13	0.5
10/18/2023 0145	-67	19	-60	274	13	0.5

10/18/2023 0200	-66	27	-63	276	13	0.5
10/18/2023 0215	-65	35	-66	279	13	0.5
10/18/2023 0230	-63	42	-69	282	13	0.5
10/18/2023 0245	-60	48	-72	285	13	0.5
10/18/2023 0300	-58	54	-75	290	13	0.5
10/18/2023 0315	-55	58	-78	297	13	0.5
10/18/2023 0330	-52	62	-81	308	13	0.5
10/18/2023 0345	-49	66	-83	325	13	0.5
10/18/2023 0400	-46	69	-84	351	13	0.5
10/18/2023 0415	-43	72	-84	21	13	0.5
10/18/2023 0430	-40	75	-82	44	13	0.5
10/18/2023 0445	-37	78	-80	58	14	0.5
10/18/2023 0500	-34	80	-77	67	14	0.5
10/18/2023 0515	-31	82	-74	73	14	0.5
10/18/2023 0530	-28	84	-71	77	14	0.5
10/18/2023 0545	-24	87	-68	81	14	0.5
10/18/2023 0600	-21	89	-65	84	14	0.5
10/18/2023 0615	-18	90	-62	86	14	1.15
10/18/2023 0630	-15	92	-59	88	14	2.08
10/18/2023 0645	-12	94	-56	90	14	11.39
10/18/2023 0700	-8	96	-53	92	14	215.88
10/18/2023 0715	-5	98	-50	94	14	7871.98
10/18/2023 0730	-2	100	-47	95	14	176318.67
10/18/2023 0745	1	102	-44	97	14	1535392.01
10/18/2023 0800	4	104	-41	99	15	4092640.05
10/18/2023 0815	7	106	-38	100	15	7508059.19
10/18/2023 0830	10	108	-35	102	15	11554721.59
10/18/2023 0845	13	110	-32	103	15	16119777.41
10/18/2023 0900	16	112	-29	105	15	20994906.72
10/18/2023 0915	19	115	-26	106	15	26122608.11
10/18/2023 0930	22	117	-23	108	15	31495061.68
10/18/2023 0945	25	120	-20	109	15	36989978.23
10/18/2023 1000	28	123	-17	111	15	42467589.71
10/18/2023 1015	30	126	-14	112	15	47866075.16
10/18/2023 1030	33	129	-12	114	15	53114531.07
10/18/2023 1045	35	132	-9	115	15	58059949.11
10/18/2023 1100	38	136	-6	117	15	62554802.98
10/18/2023 1115	40	139	-3	119	16	66571433.52
10/18/2023 1130	42	144	-1	121	16	70184511.08
10/18/2023 1145	44	148	2	123	16	73462328.21
10/18/2023 1200	45	153	5	125	16	76398405.95
10/18/2023 1215	47	158	7	127	16	78926510.79
10/18/2023 1230	48	163	9	129	16	80969753.07
10/18/2023 1245	49	168	12	131	16	82472143.76
10/18/2023 1300	49	174	14	134	16	83402865.4
10/18/2023 1315	49	179	16	136	16	83748188.8
10/18/2023 1330	49	185	18	139	16	83504045.79

10/18/2023 1345	49	191	20	142	16	82673239.52
10/18/2023 1400	48	196	22	145	16	81267408.98
10/18/2023 1415	47	201	24	148	17	79313752.03
10/18/2023 1430	46	206	25	151	17	76863653.58
10/18/2023 1445	44	211	27	154	17	73991795.27
10/18/2023 1500	42	216	28	157	17	70769681.09
10/18/2023 1515	40	220	29	161	17	67216910.15
10/18/2023 1530	38	224	30	164	17	63275602.19
10/18/2023 1545	36	227	31	168	17	58864053.58
10/18/2023 1600	33	231	31	172	17	53986983.65
10/18/2023 1615	31	234	32	176	17	48776980.25
10/18/2023 1630	28	237	32	179	17	43395929.04
10/18/2023 1645	26	240	32	183	17	37927876.82
10/18/2023 1700	23	242	31	187	17	32426824.96
10/18/2023 1715	20	245	31	191	18	27020783.83
10/18/2023 1730	17	247	30	195	18	21846947.93
10/18/2023 1745	14	249	29	198	18	16928082.24
10/18/2023 1800	11	251	28	202	18	12296350.43
10/18/2023 1815	8	254	27	205	18	8147169.59
10/18/2023 1830	5	256	25	208	18	4620582.57
10/18/2023 1845	2	258	24	211	18	1876323.16
10/18/2023 1900	-2	259	22	214	18	266843.34
10/18/2023 1915	-5	261	20	217	18	14062.37
10/18/2023 1930	-8	263	18	220	18	386.59
10/18/2023 1945	-11	265	16	223	18	17.86
10/18/2023 2000	-14	267	14	225	18	3.18
10/18/2023 2015	-18	269	12	227	19	1.73
10/18/2023 2030	-21	271	10	230	19	0.9
10/18/2023 2045	-24	273	7	232	19	0.78
10/18/2023 2100	-27	275	5	234	19	0.68
10/18/2023 2115	-30	277	2	236	19	0.59
10/18/2023 2130	-34	279	0	238	19	0.53
10/18/2023 2145	-37	282	-3	240	19	0.5
10/18/2023 2200	-40	284	-6	241	19	0.5
10/18/2023 2215	-43	287	-9	243	19	0.5
10/18/2023 2230	-46	290	-11	245	19	0.5
10/18/2023 2245	-49	293	-14	246	19	0.5
10/18/2023 2300	-52	296	-17	248	20	0.5
10/18/2023 2315	-55	300	-20	249	20	0.5
10/18/2023 2330	-57	305	-23	251	20	0.5
10/18/2023 2345	-60	310	-26	252	20	0.5
10/19/2023 0000	-62	316	-29	253	20	0.5
10/19/2023 0015	-64	323	-32	255	20	0.5
10/19/2023 0030	-66	331	-35	256	20	0.5
10/19/2023 0045	-68	339	-38	258	20	0.5
10/19/2023 0100	-68	349	-41	259	20	0.5
10/19/2023 0115	-69	359	-44	260	20	0.5

10/19/2023 0130	-69	9	-47	262	20	0.5
10/19/2023 0145	-68	19	-50	263	21	0.5
10/19/2023 0200	-67	28	-53	264	21	0.5
10/19/2023 0215	-65	36	-56	266	21	0.5
10/19/2023 0230	-63	43	-59	267	21	0.5
10/19/2023 0245	-60	49	-62	269	21	0.5
10/19/2023 0300	-58	54	-65	271	21	0.5
10/19/2023 0315	-55	59	-68	273	21	0.5
10/19/2023 0330	-52	63	-71	275	21	0.5
10/19/2023 0345	-50	67	-74	278	21	0.5
10/19/2023 0400	-47	70	-77	282	21	0.5
10/19/2023 0415	-44	73	-80	288	21	0.5
10/19/2023 0430	-40	76	-83	297	22	0.5
10/19/2023 0445	-37	78	-85	316	22	0.5
10/19/2023 0500	-34	80	-87	358	22	0.5
10/19/2023 0515	-31	83	-85	41	22	0.5
10/19/2023 0530	-28	85	-83	62	22	0.5
10/19/2023 0545	-25	87	-80	72	22	0.5
10/19/2023 0600	-21	89	-77	78	22	0.5
10/19/2023 0615	-18	91	-74	82	22	1.13
10/19/2023 0630	-15	93	-71	85	22	1.99
10/19/2023 0645	-12	95	-68	87	22	10.29
10/19/2023 0700	-9	97	-65	90	22	185.3
10/19/2023 0715	-5	98	-62	91	23	6699.18
10/19/2023 0730	-2	100	-59	93	23	156120.5
10/19/2023 0745	1	102	-56	95	23	1445433.55
10/19/2023 0800	4	104	-53	96	23	3940291.79
10/19/2023 0815	7	106	-50	98	23	7314998.52
10/19/2023 0830	10	108	-47	99	23	11319812.22
10/19/2023 0845	13	110	-44	100	23	15849602.22
10/19/2023 0900	16	113	-41	102	23	20694556.49
10/19/2023 0915	19	115	-38	103	23	25787302.19
10/19/2023 0930	22	118	-35	104	23	31123534.33
10/19/2023 0945	25	120	-32	106	24	36588193.08
10/19/2023 1000	28	123	-29	107	24	42038530.08
10/19/2023 1015	30	126	-26	108	24	47408485.41
10/19/2023 1030	33	129	-23	110	24	52633087.37
10/19/2023 1045	35	132	-21	111	24	57567651.95
10/19/2023 1100	38	136	-18	113	24	62061346.41
10/19/2023 1115	40	140	-15	114	24	66072839.23
10/19/2023 1130	42	144	-12	116	24	69666675.34
10/19/2023 1145	43	148	-9	118	24	72912789.56
10/19/2023 1200	45	153	-7	119	24	75813837.37
10/19/2023 1215	46	158	-4	121	24	78311688.11
10/19/2023 1230	47	163	-1	123	25	80332379.77
10/19/2023 1245	48	168	1	125	25	81818856.81
10/19/2023 1300	49	174	4	127	25	82738091.59

10/19/2023 1315	49	180	6	129	25	83074761.15
10/19/2023 1330	49	185	9	131	25	82824266.49
10/19/2023 1345	48	191	11	133	25	81989961.55
10/19/2023 1400	48	196	13	135	25	80585218.45
10/19/2023 1415	47	201	15	138	25	78639931.91
10/19/2023 1430	45	206	17	141	25	76207558.51
10/19/2023 1445	44	211	19	143	25	73360970.05
10/19/2023 1500	42	215	21	146	26	70163552.79
10/19/2023 1515	40	219	22	149	26	66623575.52
10/19/2023 1530	38	223	24	152	26	62678293.14
10/19/2023 1545	36	227	25	155	26	58255391.17
10/19/2023 1600	33	230	27	159	26	53376933.36
10/19/2023 1615	31	234	28	162	26	48183271.41
10/19/2023 1630	28	236	28	165	26	42827916.73
10/19/2023 1645	25	239	29	169	26	37385676.12
10/19/2023 1700	22	242	30	173	26	31914563.75
10/19/2023 1715	20	244	30	176	26	26548641.83
10/19/2023 1730	17	247	30	180	27	21417083.57
10/19/2023 1745	14	249	30	184	27	16534875.51
10/19/2023 1800	11	251	30	187	27	11946256.47
10/19/2023 1815	8	253	29	191	27	7853319.91
10/19/2023 1830	5	255	28	195	27	4383043.17
10/19/2023 1845	2	257	28	198	27	1722626.38
10/19/2023 1900	-2	259	26	201	27	224390.6
10/19/2023 1915	-5	261	25	205	27	11034.07
10/19/2023 1930	-8	263	24	208	27	304.66
10/19/2023 1945	-11	265	22	211	27	16.81
10/19/2023 2000	-15	267	21	214	28	4.53
10/19/2023 2015	-18	269	19	217	28	3.15
10/19/2023 2030	-21	271	17	219	28	2.22
10/19/2023 2045	-24	273	15	222	28	1.97
10/19/2023 2100	-27	275	13	224	28	1.71
10/19/2023 2115	-31	277	11	227	28	1.45
10/19/2023 2130	-34	279	8	229	28	1.2
10/19/2023 2145	-37	281	6	231	28	0.98
10/19/2023 2200	-40	284	4	233	28	0.78
10/19/2023 2215	-43	286	1	235	28	0.62
10/19/2023 2230	-46	289	-2	237	29	0.52
10/19/2023 2245	-49	292	-4	239	29	0.5
10/19/2023 2300	-52	296	-7	240	29	0.5
10/19/2023 2315	-55	300	-10	242	29	0.5
10/19/2023 2330	-58	304	-12	244	29	0.5
10/19/2023 2345	-60	310	-15	245	29	0.5
10/20/2023 0000	-63	316	-18	247	29	0.5
10/20/2023 0015	-65	322	-21	248	29	0.5
10/20/2023 0030	-67	330	-24	250	29	0.5
10/20/2023 0045	-68	339	-26	251	30	0.5

10/20/2023 0100	-69	349	-29	252	30	0.5
10/20/2023 0115	-69	359	-32	254	30	0.5
10/20/2023 0130	-69	9	-35	255	30	0.5
10/20/2023 0145	-68	19	-38	256	30	0.5
10/20/2023 0200	-67	28	-41	258	30	0.5
10/20/2023 0215	-65	36	-44	259	30	0.5
10/20/2023 0230	-63	43	-47	260	30	0.5
10/20/2023 0245	-61	50	-50	262	30	0.5
10/20/2023 0300	-58	55	-53	263	30	0.5
10/20/2023 0315	-56	59	-56	264	31	0.5
10/20/2023 0330	-53	63	-59	266	31	0.5
10/20/2023 0345	-50	67	-62	267	31	0.5
10/20/2023 0400	-47	70	-65	269	31	0.5
10/20/2023 0415	-44	73	-68	271	31	0.5
10/20/2023 0430	-41	76	-71	273	31	0.5
10/20/2023 0445	-38	79	-74	275	31	0.5
10/20/2023 0500	-34	81	-77	279	31	0.5
10/20/2023 0515	-31	83	-80	284	31	0.5
10/20/2023 0530	-28	85	-83	292	32	0.5
10/20/2023 0545	-25	87	-86	311	32	0.5
10/20/2023 0600	-22	89	-87	0	32	0.5
10/20/2023 0615	-18	91	-86	49	32	1.12
10/20/2023 0630	-15	93	-83	68	32	1.9
10/20/2023 0645	-12	95	-80	76	32	9.32
10/20/2023 0700	-9	97	-77	81	32	159.18
10/20/2023 0715	-6	99	-74	85	32	5690.26
10/20/2023 0730	-2	101	-71	87	32	137780.88
10/20/2023 0745	1	103	-68	89	32	1358566.76
10/20/2023 0800	4	105	-65	91	33	3789058.18
10/20/2023 0815	7	107	-62	93	33	7122472.48
10/20/2023 0830	10	109	-59	94	33	11085114
10/20/2023 0845	13	111	-56	96	33	15578853.85
10/20/2023 0900	16	113	-53	97	33	20393485.53
10/20/2023 0915	19	115	-50	98	33	25451438.2
10/20/2023 0930	22	118	-47	100	33	30751077.58
10/20/2023 0945	25	121	-44	101	33	36184956.8
10/20/2023 1000	27	123	-41	102	33	41608016.07
10/20/2023 1015	30	126	-38	104	34	46949491.69
10/20/2023 1030	33	129	-35	105	34	52149481.27
10/20/2023 1045	35	133	-32	106	34	57071944.33
10/20/2023 1100	37	136	-29	108	34	61564144.91
10/20/2023 1115	39	140	-26	109	34	65571910.86
10/20/2023 1130	41	144	-24	110	34	69148983.5
10/20/2023 1145	43	149	-21	112	34	72365531.79
10/20/2023 1200	45	153	-18	113	34	75232467
10/20/2023 1215	46	158	-15	115	34	77699852.94
10/20/2023 1230	47	163	-12	116	35	79697293.94

10/20/2023 1245	48	169	-10	118	35	81167256.61
10/20/2023 1300	48	174	-7	120	35	82074784.36
10/20/2023 1315	49	180	-4	121	35	82403015.25
10/20/2023 1330	48	185	-2	123	35	82146822.54
10/20/2023 1345	48	191	1	125	35	81310147.37
10/20/2023 1400	47	196	4	127	35	79908091.81
10/20/2023 1415	46	201	6	129	35	77972991.17
10/20/2023 1430	45	206	8	131	35	75559681.35
10/20/2023 1445	43	211	11	133	36	72738293.99
10/20/2023 1500	42	215	13	136	36	69563692.18
10/20/2023 1515	40	219	15	138	36	66033743.95
10/20/2023 1530	38	223	17	141	36	62082858.62
10/20/2023 1545	35	227	19	143	36	57649485.86
10/20/2023 1600	33	230	21	146	36	52772132.76
10/20/2023 1615	30	233	22	149	36	47596632.61
10/20/2023 1630	28	236	24	152	36	42267235.07
10/20/2023 1645	25	239	25	155	36	36850818.66
10/20/2023 1700	22	242	27	159	37	31410432.05
10/20/2023 1715	19	244	28	162	37	26085119.8
10/20/2023 1730	16	246	28	165	37	20995136.57
10/20/2023 1745	13	249	29	169	37	16149186.83
10/20/2023 1800	10	251	30	173	37	11604476.14
10/20/2023 1815	7	253	30	176	37	7567582.19
10/20/2023 1830	4	255	30	180	37	4153240.32
10/20/2023 1845	1	257	30	184	37	1579155.94
10/20/2023 1900	-2	259	30	187	37	188104.55
10/20/2023 1915	-5	261	29	191	38	8668.17
10/20/2023 1930	-8	263	29	195	38	244.13
10/20/2023 1945	-12	265	28	198	38	17.96
10/20/2023 2000	-15	266	27	201	38	7.65
10/20/2023 2015	-18	268	25	205	38	6.36
10/20/2023 2030	-21	270	24	208	38	5.36
10/20/2023 2045	-24	272	23	211	38	4.97
10/20/2023 2100	-28	274	21	214	38	4.56
10/20/2023 2115	-31	276	19	217	38	4.12
10/20/2023 2130	-34	279	17	220	39	3.67
10/20/2023 2145	-37	281	15	222	39	3.2
10/20/2023 2200	-40	283	13	225	39	2.73
10/20/2023 2215	-43	286	11	227	39	2.27
10/20/2023 2230	-46	289	9	229	39	1.82
10/20/2023 2245	-50	292	6	231	39	1.41
10/20/2023 2300	-52	296	4	233	39	1.04
10/20/2023 2315	-55	300	2	235	39	0.75
10/20/2023 2330	-58	304	-1	237	39	0.55
10/20/2023 2345	-61	309	-4	239	40	0.51
10/21/2023 0000	-63	315	-7	241	40	0.5
10/21/2023 0015	-65	322	-9	243	40	0.5

10/21/2023 0030	-67	330	-12	244	40	0.5
10/21/2023 0045	-68	339	-15	246	40	0.5
10/21/2023 0100	-69	349	-18	247	40	0.5
10/21/2023 0115	-70	359	-20	249	40	0.5
10/21/2023 0130	-69	10	-23	250	40	0.5
10/21/2023 0145	-68	20	-26	252	40	0.5
10/21/2023 0200	-67	29	-29	253	41	0.5
10/21/2023 0215	-65	37	-32	255	41	0.5
10/21/2023 0230	-63	44	-35	256	41	0.5
10/21/2023 0245	-61	50	-38	257	41	0.5
10/21/2023 0300	-58	55	-41	259	41	0.5
10/21/2023 0315	-56	60	-44	260	41	0.5
10/21/2023 0330	-53	64	-47	261	41	0.5
10/21/2023 0345	-50	68	-50	263	41	0.5
10/21/2023 0400	-47	71	-53	264	41	0.5
10/21/2023 0415	-44	74	-56	266	42	0.5
10/21/2023 0430	-41	76	-59	267	42	0.5
10/21/2023 0445	-38	79	-62	269	42	0.5
10/21/2023 0500	-34	81	-65	271	42	0.5
10/21/2023 0515	-31	83	-68	273	42	0.5
10/21/2023 0530	-28	86	-71	276	42	0.5
10/21/2023 0545	-25	88	-74	279	42	0.5
10/21/2023 0600	-22	90	-77	283	42	0.5
10/21/2023 0615	-18	92	-80	289	43	1.11
10/21/2023 0630	-15	93	-83	299	43	1.83
10/21/2023 0645	-12	95	-85	319	43	8.45
10/21/2023 0700	-9	97	-86	359	43	136.87
10/21/2023 0715	-6	99	-85	40	43	4824.61
10/21/2023 0730	-3	101	-83	60	43	121193.69
10/21/2023 0745	1	103	-80	70	43	1274888.26
10/21/2023 0800	4	105	-77	76	43	3639080.95
10/21/2023 0815	7	107	-74	80	43	6930546.47
10/21/2023 0830	10	109	-71	84	44	10850745.54
10/21/2023 0845	13	111	-68	86	44	15307653.42
10/21/2023 0900	16	113	-65	88	44	20091784.98
10/21/2023 0915	19	116	-62	90	44	25115145.42
10/21/2023 0930	22	118	-59	92	44	30377877.68
10/21/2023 0945	24	121	-56	93	44	35780451.07
10/21/2023 1000	27	124	-53	95	44	41176211.02
10/21/2023 1015	30	127	-50	96	44	46489315.9
10/21/2023 1030	32	130	-47	98	44	51664034.16
10/21/2023 1045	35	133	-44	99	45	56573147.47
10/21/2023 1100	37	137	-41	101	45	61063361.38
10/21/2023 1115	39	140	-38	102	45	65068614.95
10/21/2023 1130	41	144	-35	103	45	68631343.9
10/21/2023 1145	43	149	-32	105	45	71820606.75
10/21/2023 1200	44	153	-29	106	45	74654612.74

10/21/2023 1215	46	158	-26	107	45	77091580.98
10/21/2023 1230	47	163	-23	109	45	79065237.61
10/21/2023 1245	48	169	-20	110	46	80518156.37
10/21/2023 1300	48	174	-17	112	46	81413776.37
10/21/2023 1315	48	180	-14	113	46	81733796.69
10/21/2023 1330	48	185	-12	115	46	81472584.76
10/21/2023 1345	48	191	-9	116	46	80634686.23
10/21/2023 1400	47	196	-6	118	46	79236873.33
10/21/2023 1415	46	201	-3	120	46	77313595.85
10/21/2023 1430	45	206	0	122	46	74920358.87
10/21/2023 1445	43	211	2	124	46	72123728.38
10/21/2023 1500	41	215	5	126	47	68969852.09
10/21/2023 1515	39	219	7	128	47	65447293.2
10/21/2023 1530	37	223	10	130	47	61489557.32
10/21/2023 1545	35	227	12	132	47	57046910.38
10/21/2023 1600	33	230	14	134	47	52173145.15
10/21/2023 1615	30	233	16	137	47	47017403.24
10/21/2023 1630	27	236	18	139	47	41714096.5
10/21/2023 1645	25	239	20	142	47	36323567.77
10/21/2023 1700	22	241	22	145	48	30914701.29
10/21/2023 1715	19	244	24	148	48	25630351.16
10/21/2023 1730	16	246	26	151	48	20581171.22
10/21/2023 1745	13	248	27	154	48	15771173.7
10/21/2023 1800	10	251	28	158	48	11271130.44
10/21/2023 1815	7	253	29	161	48	7289904.36
10/21/2023 1830	4	255	30	165	48	3931273.66
10/21/2023 1845	1	257	31	169	48	1445777.85
10/21/2023 1900	-2	259	32	172	48	157258.66
10/21/2023 1915	-5	261	32	176	49	6823.3
10/21/2023 1930	-9	262	32	180	49	200.39
10/21/2023 1945	-12	264	32	184	49	21.66
10/21/2023 2000	-15	266	32	188	49	13.13
10/21/2023 2015	-18	268	31	191	49	12.09
10/21/2023 2030	-21	270	31	195	49	11.19
10/21/2023 2045	-25	272	30	199	49	10.84
10/21/2023 2100	-28	274	29	202	49	10.4
10/21/2023 2115	-31	276	27	206	50	9.88
10/21/2023 2130	-34	278	26	209	50	9.29
10/21/2023 2145	-37	280	24	212	50	8.63
10/21/2023 2200	-41	283	23	215	50	7.91
10/21/2023 2215	-44	286	21	218	50	7.14
10/21/2023 2230	-47	288	19	221	50	6.35
10/21/2023 2245	-50	292	17	224	50	5.54
10/21/2023 2300	-53	295	15	226	50	4.73
10/21/2023 2315	-56	299	13	229	50	3.92
10/21/2023 2330	-58	304	10	231	51	3.12
10/21/2023 2345	-61	309	8	233	51	2.38

10/22/2023 0000	-63	315	5	235	51	1.71
10/22/2023 0015	-65	322	3	237	51	1.14
10/22/2023 0030	-67	330	1	239	51	0.74
10/22/2023 0045	-69	339	-3	241	51	0.53
10/22/2023 0100	-70	349	-5	243	51	0.5
10/22/2023 0115	-70	359	-8	245	51	0.5
10/22/2023 0130	-70	10	-11	246	52	0.5
10/22/2023 0145	-69	20	-14	248	52	0.5
10/22/2023 0200	-67	29	-17	250	52	0.5
10/22/2023 0215	-66	37	-19	251	52	0.5
10/22/2023 0230	-64	45	-22	253	52	0.5
10/22/2023 0245	-61	51	-25	254	52	0.5
10/22/2023 0300	-59	56	-28	256	52	0.5
10/22/2023 0315	-56	60	-31	257	52	0.5
10/22/2023 0330	-53	64	-34	259	52	0.5
10/22/2023 0345	-50	68	-37	260	53	0.5
10/22/2023 0400	-47	71	-40	262	53	0.5
10/22/2023 0415	-44	74	-43	263	53	0.5
10/22/2023 0430	-41	77	-46	265	53	0.5
10/22/2023 0445	-38	79	-49	267	53	0.5
10/22/2023 0500	-35	82	-52	268	53	0.5
10/22/2023 0515	-31	84	-55	270	53	0.5
10/22/2023 0530	-28	86	-58	272	53	0.5
10/22/2023 0545	-25	88	-61	275	54	0.5
10/22/2023 0600	-22	90	-64	277	54	0.5
10/22/2023 0615	-19	92	-67	280	54	1.1
10/22/2023 0630	-15	94	-70	284	54	1.76
10/22/2023 0645	-12	96	-73	288	54	7.68
10/22/2023 0700	-9	98	-76	294	54	117.8
10/22/2023 0715	-6	99	-79	303	54	4083.8
10/22/2023 0730	-3	101	-81	315	54	106250.32
10/22/2023 0745	1	103	-83	335	54	1194476.2
10/22/2023 0800	4	105	-83	1	55	3490508.99
10/22/2023 0815	7	107	-83	27	55	6739283.8
10/22/2023 0830	10	109	-81	45	55	10616821.87
10/22/2023 0845	13	111	-78	57	55	15036123.67
10/22/2023 0900	16	114	-76	65	55	19789544.68
10/22/2023 0915	19	116	-73	71	55	24778547.41
10/22/2023 0930	21	119	-70	75	55	30004118.4
10/22/2023 0945	24	121	-67	79	55	35374859.83
10/22/2023 1000	27	124	-64	82	56	40743276.95
10/22/2023 1015	30	127	-61	84	56	46028171.82
10/22/2023 1030	32	130	-58	86	56	51177063.4
10/22/2023 1045	34	133	-55	88	56	56071596.24
10/22/2023 1100	37	137	-52	90	56	60559186.64
10/22/2023 1115	39	141	-49	92	56	64562937.67
10/22/2023 1130	41	145	-46	94	56	68113653.83

10/22/2023 1145	43	149	-42	95	56	71278020.45
10/22/2023 1200	44	154	-39	97	57	74080527.33
10/22/2023 1215	45	159	-36	98	57	76487386.61
10/22/2023 1230	46	164	-33	100	57	78436912.47
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10/22/2023 1300	48	174	-27	103	57	80755903.87
10/22/2023 1315	48	180	-24	104	57	81067960.9
10/22/2023 1330	48	185	-21	106	57	80802424.89
10/22/2023 1345	47	191	-18	107	57	79964444.09
10/22/2023 1400	46	196	-15	109	57	78572348.86
10/22/2023 1415	45	201	-13	110	58	76662322.13
10/22/2023 1430	44	206	-10	112	58	74289832.2
10/22/2023 1445	43	210	-7	114	58	71517174.18
10/22/2023 1500	41	215	-4	115	58	68381790.03
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10/22/2023 1545	35	226	4	121	58	56448255.58
10/22/2023 1600	32	230	7	123	58	51580508.81
10/22/2023 1615	30	233	10	125	59	46445897.56
10/22/2023 1630	27	236	12	127	59	41168713.19
10/22/2023 1645	24	238	15	130	59	35804192
10/22/2023 1700	22	241	17	132	59	30427630.69
10/22/2023 1715	19	244	19	135	59	25184454.67
10/22/2023 1730	16	246	21	137	59	20175255.7
10/22/2023 1745	13	248	24	140	59	15400996.03
10/22/2023 1800	10	250	25	143	59	10946320.45
10/22/2023 1815	7	252	27	146	59	7020229.15
10/22/2023 1830	4	254	29	150	60	3717248.59
10/22/2023 1845	1	256	31	153	60	1322276.33
10/22/2023 1900	-2	258	32	157	60	131170.39
10/22/2023 1915	-6	260	33	160	60	5386.43
10/22/2023 1930	-9	262	34	164	60	169.63
10/22/2023 1945	-12	264	35	168	60	27.8
10/22/2023 2000	-15	266	35	172	60	21.1
10/22/2023 2015	-18	268	36	176	60	20.65
10/22/2023 2030	-22	270	36	181	61	20.19
10/22/2023 2045	-25	272	36	185	61	20.21
10/22/2023 2100	-28	274	36	189	61	20.07
10/22/2023 2115	-31	276	35	193	61	19.78
10/22/2023 2130	-34	278	34	197	61	19.34
10/22/2023 2145	-38	280	33	201	61	18.74
10/22/2023 2200	-41	283	32	205	61	18
10/22/2023 2215	-44	285	31	208	61	17.12
10/22/2023 2230	-47	288	29	212	61	16.12
10/22/2023 2245	-50	291	28	215	62	15.01
10/22/2023 2300	-53	295	26	218	62	13.81
10/22/2023 2315	-56	299	24	221	62	12.52

10/22/2023 2330	-59	303	22	224	62	11.17
10/22/2023 2345	-61	308	20	227	62	9.78
10/23/2023 0000	-64	314	17	230	62	8.4
10/23/2023 0015	-66	321	15	232	62	7.03
10/23/2023 0030	-68	329	12	234	62	5.67
10/23/2023 0045	-69	339	10	237	62	4.37
10/23/2023 0100	-70	349	7	239	63	3.18
10/23/2023 0115	-70	359	5	241	63	2.13
10/23/2023 0130	-70	10	2	243	63	1.26
10/23/2023 0145	-69	21	-1	245	63	0.66
10/23/2023 0200	-68	30	-4	247	63	0.52
10/23/2023 0215	-66	38	-6	249	63	0.5
10/23/2023 0230	-64	45	-9	250	63	0.5
10/23/2023 0245	-61	51	-12	252	63	0.5
10/23/2023 0300	-59	56	-15	254	64	0.5
10/23/2023 0315	-56	61	-18	255	64	0.5
10/23/2023 0330	-53	65	-21	257	64	0.5
10/23/2023 0345	-50	69	-24	259	64	0.5
10/23/2023 0400	-47	72	-27	260	64	0.5
10/23/2023 0415	-44	75	-30	262	64	0.5
10/23/2023 0430	-41	77	-33	264	64	0.5
10/23/2023 0445	-38	80	-36	266	64	0.5
10/23/2023 0500	-35	82	-39	267	64	0.5
10/23/2023 0515	-32	84	-42	269	65	0.5
10/23/2023 0530	-28	86	-45	271	65	0.5
10/23/2023 0545	-25	88	-48	273	65	0.5
10/23/2023 0600	-22	90	-51	275	65	0.5
10/23/2023 0615	-19	92	-54	278	65	1.09
10/23/2023 0630	-16	94	-57	280	65	1.69
10/23/2023 0645	-12	96	-60	283	65	7
10/23/2023 0700	-9	98	-63	287	65	101.5
10/23/2023 0715	-6	100	-66	291	65	3451.36
10/23/2023 0730	-3	102	-69	296	66	92840.87
10/23/2023 0745	1	104	-71	302	66	1117387.21
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10/23/2023 0815	7	108	-76	319	66	6548745.5
10/23/2023 0830	10	110	-78	332	66	10383453.18
10/23/2023 0845	13	112	-79	348	66	14764387.8
10/23/2023 0900	16	114	-79	5	66	19486852.55
10/23/2023 0915	18	116	-78	21	66	24441760.75
10/23/2023 0930	21	119	-77	35	67	29629979.18
10/23/2023 0945	24	121	-75	46	67	34968367.76
10/23/2023 1000	27	124	-72	54	67	40309373.67
10/23/2023 1015	29	127	-70	61	67	45566263.57
10/23/2023 1030	32	130	-67	66	67	50688879.08
10/23/2023 1045	34	134	-64	70	67	55567635.23
10/23/2023 1100	36	137	-61	74	67	60051837.71

10/23/2023 1115	39	141	-58	77	67	64054887.07
10/23/2023 1130	40	145	-55	79	67	67595804.39
10/23/2023 1145	42	149	-52	82	68	70737736.84
10/23/2023 1200	44	154	-49	84	68	73510397.47
10/23/2023 1215	45	159	-46	86	68	75887715.6
10/23/2023 1230	46	164	-43	88	68	77812966.68
10/23/2023 1245	47	169	-40	90	68	79230615.89
10/23/2023 1300	47	174	-37	92	68	80101987.89
10/23/2023 1315	47	180	-34	93	68	80406353.73
10/23/2023 1330	47	185	-31	95	68	80137196.26
10/23/2023 1345	47	191	-27	97	68	79300245.03
10/23/2023 1400	46	196	-24	98	69	77915230.68
10/23/2023 1415	45	201	-21	100	69	76019648.16
10/23/2023 1430	44	206	-18	102	69	73668248.48
10/23/2023 1445	42	210	-15	103	69	70918481.2
10/23/2023 1500	41	215	-12	105	69	67799278.21
10/23/2023 1515	39	219	-9	107	69	64284345.24
10/23/2023 1530	37	222	-6	108	69	60310699.19
10/23/2023 1545	34	226	-3	110	69	55854122.13
10/23/2023 1600	32	229	0	112	69	50994734.12
10/23/2023 1615	29	233	3	114	70	45882406.97
10/23/2023 1630	27	235	5	116	70	40631298.29
10/23/2023 1645	24	238	8	118	70	35292962.64
10/23/2023 1700	21	241	11	120	70	29949465.22
10/23/2023 1715	19	243	14	122	70	24747535.58
10/23/2023 1730	16	246	16	124	70	19777462.75
10/23/2023 1745	13	248	19	127	70	15038813.55
10/23/2023 1800	10	250	21	129	70	10630126.67
10/23/2023 1815	7	252	24	132	70	6758496.47
10/23/2023 1830	4	254	26	135	71	3511270.84
10/23/2023 1845	1	256	28	138	71	1208354.3
10/23/2023 1900	-3	258	30	141	71	109208.43
10/23/2023 1915	-6	260	32	144	71	4267.47
10/23/2023 1930	-9	262	34	148	71	148.35
10/23/2023 1945	-12	264	36	152	71	35.66
10/23/2023 2000	-15	266	37	156	71	31
10/23/2023 2015	-19	267	38	160	71	31.56
10/23/2023 2030	-22	269	39	164	71	31.98
10/23/2023 2045	-25	271	40	168	72	32.8
10/23/2023 2100	-28	273	41	173	72	33.41
10/23/2023 2115	-31	275	41	178	72	33.81
10/23/2023 2130	-35	277	41	182	72	33.99
10/23/2023 2145	-38	280	41	187	72	33.94
10/23/2023 2200	-41	282	41	191	72	33.67
10/23/2023 2215	-44	285	40	196	72	33.18
10/23/2023 2230	-47	288	39	200	72	32.47
10/23/2023 2245	-50	291	38	205	72	31.53

10/23/2023 2300	-53	294	37	209	73	30.36
10/23/2023 2315	-56	298	35	212	73	28.95
10/23/2023 2330	-59	303	33	216	73	27.31
10/23/2023 2345	-61	308	31	220	73	25.48
10/24/2023 0000	-64	314	29	223	73	23.5
10/24/2023 0015	-66	321	27	226	73	21.39
10/24/2023 0030	-68	329	25	229	73	19.18
10/24/2023 0045	-69	338	23	232	73	16.89
10/24/2023 0100	-70	349	20	235	73	14.59
10/24/2023 0115	-71	360	18	237	74	12.32
10/24/2023 0130	-70	11	15	240	74	10.1
10/24/2023 0145	-69	21	12	242	74	7.95
10/24/2023 0200	-68	30	10	244	74	5.92
10/24/2023 0215	-66	39	7	246	74	4.09
10/24/2023 0230	-64	46	4	248	74	2.52
10/24/2023 0245	-62	52	1	250	74	1.32
10/24/2023 0300	-59	57	-2	252	74	0.62
10/24/2023 0315	-56	62	-5	254	74	0.51
10/24/2023 0330	-53	65	-8	256	74	0.5
10/24/2023 0345	-50	69	-11	258	75	0.5
10/24/2023 0400	-47	72	-14	260	75	0.5
10/24/2023 0415	-44	75	-17	261	75	0.5
10/24/2023 0430	-41	78	-20	263	75	0.5
10/24/2023 0445	-38	80	-23	265	75	0.5
10/24/2023 0500	-35	82	-26	267	75	0.5
10/24/2023 0515	-32	85	-29	269	75	0.5
10/24/2023 0530	-29	87	-32	271	75	0.5
10/24/2023 0545	-25	89	-35	272	75	0.5
10/24/2023 0600	-22	91	-38	275	76	0.5
10/24/2023 0615	-19	93	-41	277	76	1.07
10/24/2023 0630	-16	94	-44	279	76	1.63
10/24/2023 0645	-13	96	-47	282	76	6.39
10/24/2023 0700	-9	98	-50	284	76	87.57
10/24/2023 0715	-6	100	-53	287	76	2912.69
10/24/2023 0730	-3	102	-56	291	76	80855.33
10/24/2023 0745	1	104	-58	294	76	1043653.38
10/24/2023 0800	3	106	-61	299	76	3198208.92
10/24/2023 0815	6	108	-64	304	76	6358990.61
10/24/2023 0830	9	110	-66	309	77	10150743.9
10/24/2023 0845	12	112	-68	316	77	14492568.76
10/24/2023 0900	15	114	-70	325	77	19183794.2
10/24/2023 0915	18	117	-72	334	77	24104894.29
10/24/2023 0930	21	119	-73	345	77	29255633.61
10/24/2023 0945	24	122	-73	357	77	34561159.09
10/24/2023 1000	27	125	-73	9	77	39874658.34
10/24/2023 1015	29	127	-72	20	77	45103784.7
10/24/2023 1030	32	131	-71	30	77	50199781.4

10/24/2023 1045	34	134	-69	38	78	55061615.16
10/24/2023 1100	36	137	-67	46	78	59541555.91
10/24/2023 1115	38	141	-65	52	78	63544495.12
10/24/2023 1130	40	145	-62	57	78	67077685.67
10/24/2023 1145	42	150	-59	62	78	70199682.81
10/24/2023 1200	43	154	-57	66	78	72944344.94
10/24/2023 1215	45	159	-54	69	78	75292940.31
10/24/2023 1230	46	164	-51	72	78	77193984.07
10/24/2023 1245	46	169	-48	75	78	78593660.13
10/24/2023 1300	47	174	-45	78	78	79452816.12
10/24/2023 1315	47	180	-42	80	79	79749791.8
10/24/2023 1330	47	185	-39	82	79	79477714.02
10/24/2023 1345	47	191	-36	84	79	78642854.15
10/24/2023 1400	46	196	-33	86	79	77266146.82
10/24/2023 1415	45	201	-29	88	79	75385953.63
10/24/2023 1430	44	206	-26	90	79	73055670.28
10/24/2023 1445	42	210	-23	92	79	70327462.01
10/24/2023 1500	40	214	-20	93	79	67222112.32
10/24/2023 1515	38	218	-17	95	79	63707907.03
10/24/2023 1530	36	222	-14	97	79	59725946.42
10/24/2023 1545	34	226	-11	99	80	55265109.88
10/24/2023 1600	32	229	-8	100	80	50416300.9
10/24/2023 1615	29	232	-5	102	80	45327202.8
10/24/2023 1630	27	235	-2	104	80	40102067.05
10/24/2023 1645	24	238	2	106	80	34790151.5
10/24/2023 1700	21	241	5	108	80	29480434.04
10/24/2023 1715	18	243	7	110	80	24319686.7
10/24/2023 1730	15	245	10	112	80	19387869.68
10/24/2023 1745	13	248	13	114	80	14684783.13
10/24/2023 1800	10	250	16	116	80	10322608.94
10/24/2023 1815	7	252	19	118	81	6504645.67
10/24/2023 1830	4	254	22	121	81	3313440.59
10/24/2023 1845	1	256	24	123	81	1103635.81
10/24/2023 1900	-3	258	27	126	81	90797.25
10/24/2023 1915	-6	260	30	129	81	3394.75
10/24/2023 1930	-9	262	32	132	81	133.07
10/24/2023 1945	-12	263	34	135	81	43.85
10/24/2023 2000	-16	265	37	138	81	41.65
10/24/2023 2015	-19	267	39	142	81	43.8
10/24/2023 2030	-22	269	41	146	81	45.68
10/24/2023 2045	-25	271	42	150	81	47.92
10/24/2023 2100	-28	273	44	155	82	49.93
10/24/2023 2115	-32	275	45	159	82	51.7
10/24/2023 2130	-35	277	46	164	82	53.19
10/24/2023 2145	-38	279	47	169	82	54.36
10/24/2023 2200	-41	282	47	175	82	55.19
10/24/2023 2215	-44	284	48	180	82	55.64

10/24/2023 2230	-47	287	47	185	82	55.73
10/24/2023 2245	-50	290	47	191	82	55.43
10/24/2023 2300	-53	294	46	196	82	54.76
10/24/2023 2315	-56	298	46	201	82	53.74
10/24/2023 2330	-59	302	44	206	83	52.4
10/24/2023 2345	-62	307	43	210	83	50.77
10/25/2023 0000	-64	313	41	215	83	48.88
10/25/2023 0015	-66	320	40	219	83	46.72
10/25/2023 0030	-68	329	38	223	83	44.27
10/25/2023 0045	-70	338	35	226	83	41.47
10/25/2023 0100	-71	349	33	230	83	38.35
10/25/2023 0115	-71	360	31	233	83	34.99
10/25/2023 0130	-71	11	28	236	83	31.48
10/25/2023 0145	-70	21	26	239	83	27.89
10/25/2023 0200	-68	31	23	241	83	24.23
10/25/2023 0215	-67	39	20	244	84	20.58
10/25/2023 0230	-64	46	18	246	84	17.05
10/25/2023 0245	-62	52	15	248	84	13.67
10/25/2023 0300	-59	58	12	251	84	10.43
10/25/2023 0315	-57	62	9	253	84	7.44
10/25/2023 0330	-54	66	6	255	84	4.83
10/25/2023 0345	-51	69	3	257	84	2.66
10/25/2023 0400	-48	73	0	259	84	1.21
10/25/2023 0415	-45	76	-3	261	84	0.56
10/25/2023 0430	-41	78	-6	263	84	0.5
10/25/2023 0445	-38	81	-9	264	84	0.5
10/25/2023 0500	-35	83	-12	266	85	0.5
10/25/2023 0515	-32	85	-15	268	85	0.5
10/25/2023 0530	-29	87	-18	270	85	0.5
10/25/2023 0545	-25	89	-21	272	85	0.5
10/25/2023 0600	-22	91	-24	274	85	0.5
10/25/2023 0615	-19	93	-27	276	85	1.06
10/25/2023 0630	-16	95	-30	278	85	1.58
10/25/2023 0645	-13	97	-33	281	85	5.85
10/25/2023 0700	-9	98	-36	283	85	75.66
10/25/2023 0715	-6	100	-39	285	85	2454.9
10/25/2023 0730	-3	102	-42	288	85	70184.77
10/25/2023 0745	0	104	-45	291	85	973279.06
10/25/2023 0800	3	106	-48	294	86	3054809.9
10/25/2023 0815	6	108	-51	298	86	6170076.85
10/25/2023 0830	9	110	-53	302	86	9918792.44
10/25/2023 0845	12	112	-56	306	86	14220788.98
10/25/2023 0900	15	115	-58	311	86	18880453.39
10/25/2023 0915	18	117	-60	316	86	23768049.13
10/25/2023 0930	21	119	-62	322	86	28881248.77
10/25/2023 0945	24	122	-64	329	86	34153417.14
10/25/2023 1000	26	125	-65	337	86	39439285.74

10/25/2023 1015	29	128	-66	345	86	44640918.18
10/25/2023 1030	31	131	-67	354	86	49710058.95
10/25/2023 1045	34	134	-67	3	87	54553889.82
10/25/2023 1100	36	138	-66	12	87	59028605.23
10/25/2023 1115	38	142	-65	20	87	63031819.89
10/25/2023 1130	40	146	-64	28	87	66559192.39
10/25/2023 1145	42	150	-62	35	87	69663754.56
10/25/2023 1200	43	154	-60	41	87	72382430.08
10/25/2023 1215	44	159	-58	46	87	74703357.69
10/25/2023 1230	45	164	-56	51	87	76580476.37
10/25/2023 1245	46	169	-53	55	87	77962145.44
10/25/2023 1300	47	175	-51	59	87	78809127.29
10/25/2023 1315	47	180	-48	63	87	79099045.5
10/25/2023 1330	47	185	-45	66	87	78824738.48
10/25/2023 1345	46	190	-42	69	88	77992963.54
10/25/2023 1400	45	196	-39	72	88	76625633.02
10/25/2023 1415	44	201	-36	74	88	74761520.22
10/25/2023 1430	43	205	-33	76	88	72452084.83
10/25/2023 1445	42	210	-30	79	88	69743905.62
10/25/2023 1500	40	214	-27	81	88	66650122.73
10/25/2023 1515	38	218	-24	83	88	63134967.41
10/25/2023 1530	36	222	-21	85	88	59144916.61
10/25/2023 1545	34	226	-18	87	88	54681807.86
10/25/2023 1600	31	229	-15	88	88	49845652.18
10/25/2023 1615	29	232	-12	90	88	44780534.61
10/25/2023 1630	26	235	-9	92	88	39581236.56
10/25/2023 1645	24	238	-5	94	88	34296029.18
10/25/2023 1700	21	240	-2	96	89	29020750.05
10/25/2023 1715	18	243	1	97	89	23900990.46
10/25/2023 1730	15	245	4	99	89	19006558.65
10/25/2023 1745	12	247	7	101	89	14339056.13
10/25/2023 1800	9	250	10	103	89	10023806.77
10/25/2023 1815	6	252	13	105	89	6258617.55
10/25/2023 1830	3	254	16	107	89	3123846.93
10/25/2023 1845	1	256	19	109	89	1007670.36
10/25/2023 1900	-3	258	22	111	89	75419.38
10/25/2023 1915	-6	259	25	114	89	2711.57
10/25/2023 1930	-9	261	28	116	89	120.43
10/25/2023 1945	-13	263	31	119	89	50.4
10/25/2023 2000	-16	265	34	122	89	51.19
10/25/2023 2015	-19	267	36	125	90	55.71
10/25/2023 2030	-22	269	39	128	90	59.84
10/25/2023 2045	-25	271	41	132	90	64.18
10/25/2023 2100	-29	273	44	135	90	68.31
10/25/2023 2115	-32	275	46	140	90	72.29
10/25/2023 2130	-35	277	48	144	90	76.05
10/25/2023 2145	-38	279	50	149	90	79.45

10/25/2023 2200	-41	281	51	154	90	82.39
10/25/2023 2215	-45	284	53	160	90	84.84
10/25/2023 2230	-48	287	54	166	90	86.78
10/25/2023 2245	-51	290	54	172	90	88.19
10/25/2023 2300	-54	293	55	178	90	89.06
10/25/2023 2315	-57	297	55	184	90	89.38
10/25/2023 2330	-59	302	54	191	91	89.14
10/25/2023 2345	-62	307	54	197	91	88.34
10/26/2023 0000	-64	313	53	203	91	87
10/26/2023 0015	-67	320	51	208	91	85.1
10/26/2023 0030	-69	328	50	213	91	82.67
10/26/2023 0045	-70	338	48	218	91	79.71
10/26/2023 0100	-71	348	46	223	91	76.33
10/26/2023 0115	-71	360	44	227	91	72.66
10/26/2023 0130	-71	11	42	231	91	68.77
10/26/2023 0145	-70	22	39	234	91	64.62
10/26/2023 0200	-69	31	37	238	91	60.06
10/26/2023 0215	-67	40	34	241	91	55.02
10/26/2023 0230	-65	47	31	244	91	49.64
10/26/2023 0245	-62	53	28	246	91	44.11
10/26/2023 0300	-59	58	26	249	92	38.53
10/26/2023 0315	-57	63	23	251	92	32.95
10/26/2023 0330	-54	66	20	254	92	27.5
10/26/2023 0345	-51	70	17	256	92	22.3
10/26/2023 0400	-48	73	14	258	92	17.37
10/26/2023 0415	-45	76	11	260	92	12.74
10/26/2023 0430	-42	79	8	262	92	8.62
10/26/2023 0445	-38	81	5	264	92	5.11
10/26/2023 0500	-35	83	2	266	92	2.39
10/26/2023 0515	-32	85	-2	268	92	0.78
10/26/2023 0530	-29	87	-5	270	92	0.52
10/26/2023 0545	-26	89	-8	272	92	0.5
10/26/2023 0600	-22	91	-11	274	92	0.5
10/26/2023 0615	-19	93	-14	276	92	1.05
10/26/2023 0630	-16	95	-17	278	92	1.53
10/26/2023 0645	-13	97	-20	280	93	5.37
10/26/2023 0700	-10	99	-23	282	93	65.46
10/26/2023 0715	-6	101	-26	284	93	2066.64
10/26/2023 0730	-3	103	-29	287	93	60722.37
10/26/2023 0745	0	104	-32	289	93	906237.56
10/26/2023 0800	3	106	-34	292	93	2913474.04
10/26/2023 0815	6	108	-37	295	93	5982061.95
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10/26/2023 0900	15	115	-45	304	93	18576913.05
10/26/2023 0915	18	117	-48	308	93	23431319.46
10/26/2023 0930	21	120	-50	312	93	28506985.42

10/26/2023 0945	23	122	-52	317	93	33745324.7
10/26/2023 1000	26	125	-54	322	93	39003409.53
10/26/2023 1015	29	128	-56	327	93	44177837.63
10/26/2023 1030	31	131	-57	333	93	49219988.35
10/26/2023 1045	33	134	-58	340	94	54044814.14
10/26/2023 1100	36	138	-59	346	94	58513271.17
10/26/2023 1115	38	142	-60	353	94	62516947.91
10/26/2023 1130	40	146	-60	0	94	66040230.27
10/26/2023 1145	41	150	-59	7	94	69129825.32
10/26/2023 1200	43	155	-59	14	94	71824657.45
10/26/2023 1215	44	159	-58	21	94	74119190.35
10/26/2023 1230	45	164	-56	27	94	75972878.63
10/26/2023 1245	46	169	-55	32	94	77336661.21
10/26/2023 1300	46	175	-53	38	94	78171598.91
10/26/2023 1315	46	180	-51	42	94	78454825.39
10/26/2023 1330	46	185	-49	47	94	78178962.21
10/26/2023 1345	46	190	-46	51	94	77351182.72
10/26/2023 1400	45	196	-44	54	94	75994129.27
10/26/2023 1415	44	200	-41	58	94	74146536.31
10/26/2023 1430	43	205	-39	61	94	71857415.54
10/26/2023 1445	41	210	-36	64	94	69167590.3
10/26/2023 1500	40	214	-33	66	95	66083181.31
10/26/2023 1515	38	218	-30	69	95	62565707.65
10/26/2023 1530	36	222	-27	71	95	58568105.1
10/26/2023 1545	33	225	-24	74	95	54104791.21
10/26/2023 1600	31	229	-21	76	95	49283197.7
10/26/2023 1615	29	232	-18	78	95	44242633.16
10/26/2023 1630	26	235	-15	80	95	39069020.36
10/26/2023 1645	23	237	-12	82	95	33810857.1
10/26/2023 1700	21	240	-9	84	95	28570607.72
10/26/2023 1715	18	243	-6	85	95	23491521.38
10/26/2023 1730	15	245	-3	87	95	18633617.57
10/26/2023 1745	12	247	1	89	95	14001777.17
10/26/2023 1800	9	249	4	91	95	9733740.84
10/26/2023 1815	6	251	7	93	95	6020355.85
10/26/2023 1830	3	253	10	94	95	2942562.1
10/26/2023 1845	0	255	13	96	95	919939.14
10/26/2023 1900	-3	257	16	98	95	62615.81
10/26/2023 1915	-6	259	19	100	95	2173.62
10/26/2023 1930	-10	261	22	102	95	107.64
10/26/2023 1945	-13	263	26	104	96	53.52
10/26/2023 2000	-16	265	29	107	96	57.56
10/26/2023 2015	-19	267	32	109	96	65.16
10/26/2023 2030	-22	268	35	112	96	72.65
10/26/2023 2045	-26	270	38	114	96	80.32
10/26/2023 2100	-29	272	40	117	96	87.48
10/26/2023 2115	-32	274	43	120	96	94.37

10/26/2023 2130	-35	276	46	124	96	101.24
10/26/2023 2145	-38	279	49	128	96	108.02
10/26/2023 2200	-42	281	51	132	96	114.39
10/26/2023 2215	-45	284	53	136	96	120.17
10/26/2023 2230	-48	286	55	142	96	125.36
10/26/2023 2245	-51	290	57	147	96	129.93
10/26/2023 2300	-54	293	59	154	96	133.78
10/26/2023 2315	-57	297	60	160	96	136.79
10/26/2023 2330	-60	301	61	168	96	138.97
10/26/2023 2345	-62	306	62	175	96	140.39
10/27/2023 0000	-65	313	62	183	96	141.11
10/27/2023 0015	-67	320	62	191	96	141.14
10/27/2023 0030	-69	328	61	198	96	140.43
10/27/2023 0045	-70	338	60	205	96	138.89
10/27/2023 0100	-71	348	58	212	97	136.46
10/27/2023 0115	-72	360	57	218	97	133.15
10/27/2023 0130	-71	11	55	223	97	129.09
10/27/2023 0145	-70	22	52	228	97	124.35
10/27/2023 0200	-69	32	50	233	97	118.89
10/27/2023 0215	-67	40	47	237	97	112.78
10/27/2023 0230	-65	47	45	240	97	106.28
10/27/2023 0245	-62	53	42	244	97	99.66
10/27/2023 0300	-60	59	39	247	97	92.84
10/27/2023 0315	-57	63	36	250	97	85.49
10/27/2023 0330	-54	67	33	252	97	77.49
10/27/2023 0345	-51	70	31	255	97	69.1
10/27/2023 0400	-48	74	28	257	97	60.64
10/27/2023 0415	-45	76	25	260	97	52.2
10/27/2023 0430	-42	79	21	262	97	43.89
10/27/2023 0445	-39	81	18	264	97	35.94
10/27/2023 0500	-35	84	15	266	97	28.46
10/27/2023 0515	-32	86	12	268	97	21.43
10/27/2023 0530	-29	88	9	270	97	15.01
10/27/2023 0545	-26	90	6	272	97	9.47
10/27/2023 0600	-23	92	3	274	97	4.92
10/27/2023 0615	-19	94	0	276	97	2.47
10/27/2023 0630	-16	95	-3	277	97	1.59
10/27/2023 0645	-13	97	-6	279	98	4.94
10/27/2023 0700	-10	99	-9	281	98	56.73
10/27/2023 0715	-7	101	-12	283	98	1737.98
10/27/2023 0730	-3	103	-15	286	98	52364.4
10/27/2023 0745	0	105	-18	288	98	842467.6
10/27/2023 0800	3	107	-21	290	98	2774380.53
10/27/2023 0815	6	109	-24	292	98	5795005.47
10/27/2023 0830	9	111	-27	295	98	9457528.84
10/27/2023 0845	12	113	-29	298	98	13677837.29
10/27/2023 0900	15	115	-32	300	98	18273257.1

10/27/2023 0915	18	118	-34	303	98	23094794.25
10/27/2023 0930	20	120	-37	306	98	28132999.01
10/27/2023 0945	23	123	-39	310	98	33337065.19
10/27/2023 1000	26	125	-42	313	98	38567184.34
10/27/2023 1015	28	128	-44	317	98	43714709.49
10/27/2023 1030	31	131	-46	322	98	48729834.92
10/27/2023 1045	33	135	-47	326	98	53534743.22
10/27/2023 1100	35	138	-49	331	98	57995860.22
10/27/2023 1115	37	142	-50	336	98	61999996.94
10/27/2023 1130	39	146	-51	341	98	65520722.7
10/27/2023 1145	41	150	-52	347	98	68597754.22
10/27/2023 1200	43	155	-52	353	98	71270983.57
10/27/2023 1215	44	159	-53	358	98	73540590.3
10/27/2023 1230	45	164	-52	4	98	75371548.1
10/27/2023 1245	45	169	-52	10	98	76717721.94
10/27/2023 1300	46	175	-51	16	98	77540838.47
10/27/2023 1315	46	180	-50	21	98	77817772.23
10/27/2023 1330	46	185	-49	26	98	77541001.05
10/27/2023 1345	45	190	-47	31	98	76718033.15
10/27/2023 1400	45	195	-46	35	98	75371980.59
10/27/2023 1415	44	200	-44	40	99	73541105.11
10/27/2023 1430	43	205	-42	44	99	71271535.35
10/27/2023 1445	41	210	-39	47	99	68598296.62
10/27/2023 1500	39	214	-37	51	99	65521207.79
10/27/2023 1515	37	218	-35	54	99	62000365.61
10/27/2023 1530	35	222	-32	57	99	57996030.35
10/27/2023 1545	33	225	-29	59	99	53534615.04
10/27/2023 1600	31	228	-27	62	99	48729314.48
10/27/2023 1615	28	232	-24	64	99	43713715.77
10/27/2023 1630	26	234	-21	67	99	38565634.57
10/27/2023 1645	23	237	-18	69	99	33334888.35
10/27/2023 1700	20	240	-15	71	99	28130178.18
10/27/2023 1715	18	242	-12	73	99	23091340.77
10/27/2023 1730	15	245	-9	75	99	18269137.29
10/27/2023 1745	12	247	-6	77	99	13673083.55
10/27/2023 1800	9	249	-3	79	99	9452416.31
10/27/2023 1815	6	251	1	81	99	5789809.91
10/27/2023 1830	3	253	3	82	99	2769637.03
10/27/2023 1845	0	255	6	84	99	839861.85
10/27/2023 1900	-3	257	10	86	99	51984.1
10/27/2023 1915	-7	259	13	88	99	1747.22
10/27/2023 1930	-10	261	16	90	99	93.43
10/27/2023 1945	-13	263	19	91	99	52.59
10/27/2023 2000	-16	264	22	93	99	60.44
10/27/2023 2015	-19	266	25	95	99	71.96
10/27/2023 2030	-23	268	28	97	99	83.79
10/27/2023 2045	-26	270	32	99	99	96.47

10/27/2023 2100	-29	272	35	101	99	109.24
10/27/2023 2115	-32	274	38	104	99	121.55
10/27/2023 2130	-35	276	41	106	99	133.19
10/27/2023 2145	-39	278	44	109	99	144.64
10/27/2023 2200	-42	281	47	112	99	156.35
10/27/2023 2215	-45	283	50	115	99	168.01
10/27/2023 2230	-48	286	53	118	99	179.07
10/27/2023 2245	-51	289	55	122	99	189.4
10/27/2023 2300	-54	293	58	127	99	199
10/27/2023 2315	-57	296	60	132	99	207.44
10/27/2023 2330	-60	301	63	138	99	214.2
10/27/2023 2345	-63	306	65	145	99	219.47
10/28/2023 0000	-65	312	66	153	99	223.93
10/28/2023 0015	-67	319	68	161	99	227.85
10/28/2023 0030	-69	328	69	171	99	230.97
10/28/2023 0045	-71	337	69	181	99	232.94
10/28/2023 0100	-72	348	69	191	100	233.62
10/28/2023 0115	-72	360	68	200	100	233.09
10/28/2023 0130	-72	12	67	209	100	231.67
10/28/2023 0145	-71	23	65	217	100	229.63
10/28/2023 0200	-69	32	63	224	100	226.71
10/28/2023 0215	-67	41	61	230	100	222.21
10/28/2023 0230	-65	48	58	235	100	215.77
10/28/2023 0245	-63	54	56	240	100	207.83
10/28/2023 0300	-60	59	53	244	100	198.9
10/28/2023 0315	-57	64	50	247	100	188.96
10/28/2023 0330	-54	67	47	251	100	178.06
10/28/2023 0345	-51	71	44	254	100	166.78
10/28/2023 0400	-48	74	41	256	100	155.54
10/28/2023 0415	-45	77	38	259	100	143.94
10/28/2023 0430	-42	79	35	261	100	131.36
10/28/2023 0445	-39	82	32	263	100	117.88
10/28/2023 0500	-36	84	29	265	100	104.09
10/28/2023 0515	-32	86	26	268	100	90.36
10/28/2023 0530	-29	88	23	269	100	76.76
10/28/2023 0545	-26	90	20	271	100	63.61
10/28/2023 0600	-23	92	17	273	100	51.21
10/28/2023 0615	-19	94	14	275	100	40.09
10/28/2023 0630	-16	96	11	277	100	29.66
10/28/2023 0645	-13	98	8	279	100	23.18
10/28/2023 0700	-10	99	5	281	100	59.79
10/28/2023 0715	-7	101	2	283	100	1464.63
10/28/2023 0730	-4	103	-2	285	100	45011.69
10/28/2023 0745	0	105	-5	286	100	781869.54
10/28/2023 0800	3	107	-7	288	100	2637714.39
10/28/2023 0815	6	109	-10	291	100	5608970.86
10/28/2023 0830	9	111	-13	293	100	9228388.77

10/28/2023 0845	12	113	-16	295	100	13406913.91
10/28/2023 0900	15	116	-19	297	100	17969572.61
10/28/2023 0915	17	118	-21	300	100	22758559.41
10/28/2023 0930	20	120	-24	302	100	27759441.25
10/28/2023 0945	23	123	-26	305	100	32928824.37
10/28/2023 1000	26	126	-29	308	100	38130768.39
10/28/2023 1015	28	129	-31	311	100	43251695.97
10/28/2023 1030	31	132	-33	314	100	48239854.42
10/28/2023 1045	33	135	-36	317	100	53024032.14
10/28/2023 1100	35	139	-37	321	100	57476699.66
10/28/2023 1115	37	142	-39	325	100	61481118.63
10/28/2023 1130	39	146	-41	329	100	65000617.66
10/28/2023 1145	41	151	-42	333	100	68067395.82
10/28/2023 1200	42	155	-44	338	100	70721326.16
10/28/2023 1215	43	160	-45	342	100	72967645.22
10/28/2023 1230	44	165	-45	347	100	74776765.92
10/28/2023 1245	45	170	-46	352	100	76105764.7
10/28/2023 1300	46	175	-46	357	100	76917378.02
10/28/2023 1315	46	180	-46	2	100	77188450.53
10/28/2023 1330	46	185	-46	7	100	76911388.81
10/28/2023 1345	45	190	-45	12	100	76093946.7
10/28/2023 1400	44	195	-44	17	100	74759441.34
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10/28/2023 1430	42	205	-42	26	100	70694280.96
10/28/2023 1445	41	209	-41	30	100	68035819.87
10/28/2023 1500	39	214	-39	34	100	64964174.73
10/28/2023 1515	37	218	-37	37	100	61439232.17
10/28/2023 1530	35	221	-35	41	100	57429226.9
10/28/2023 1545	33	225	-33	44	100	52971810.99
10/28/2023 1600	31	228	-31	47	100	48184348.6
10/28/2023 1615	28	231	-28	50	100	43193988.38
10/28/2023 1630	26	234	-26	53	100	38071296.43
10/28/2023 1645	23	237	-23	56	100	32868367.97
10/28/2023 1700	20	240	-21	58	100	27699616.67
10/28/2023 1715	17	242	-18	61	100	22700503.32
10/28/2023 1730	15	244	-15	63	100	17913205.98
10/28/2023 1745	12	247	-12	65	100	13353094.46
10/28/2023 1800	9	249	-10	67	100	9179820.72
10/28/2023 1815	6	251	-7	69	100	5566937.25
10/28/2023 1830	3	253	-4	71	100	2605099.8
10/28/2023 1845	0	255	0	73	100	766807.2
10/28/2023 1900	-4	257	3	74	100	43173.88
10/28/2023 1915	-7	259	5	76	100	1402.76
10/28/2023 1930	-10	260	8	78	100	71.25
10/28/2023 1945	-13	262	12	80	100	39.84
10/28/2023 2000	-16	264	15	81	100	49.41
10/28/2023 2015	-20	266	18	83	100	62.42

10/28/2023 2030	-23	268	21	85	100	76.17
10/28/2023 2045	-26	270	24	86	100	91.21
10/28/2023 2100	-29	272	27	88	100	106.61
10/28/2023 2115	-32	274	30	90	100	122.14
10/28/2023 2130	-36	276	33	92	100	137.64
10/28/2023 2145	-39	278	37	94	100	152.51
10/28/2023 2200	-42	280	40	96	100	166.2
10/28/2023 2215	-45	283	43	98	100	179.11
10/28/2023 2230	-48	286	46	100	100	192.05
10/28/2023 2245	-51	289	49	102	100	204.97
10/28/2023 2300	-54	292	52	105	100	217.07
10/28/2023 2315	-57	296	55	108	100	228.08
10/28/2023 2330	-60	300	58	112	100	238.1
10/28/2023 2345	-63	306	61	116	100	246.38
10/29/2023 0000	-65	312	64	120	100	252.12
10/29/2023 0015	-68	319	67	126	100	256.37
10/29/2023 0030	-69	327	69	132	100	260.85
10/29/2023 0045	-71	337	71	140	100	265.17
10/29/2023 0100	-72	348	73	150	100	267.55
10/29/2023 0115	-72	360	75	162	100	267.75
10/29/2023 0130	-72	12	75	175	100	266.7
10/29/2023 0145	-71	23	75	189	100	264.91
10/29/2023 0200	-70	33	74	202	100	262.36
10/29/2023 0215	-68	41	73	214	100	258.46
10/29/2023 0230	-65	48	71	223	100	252.45
10/29/2023 0245	-63	55	69	231	100	244.99
10/29/2023 0300	-60	60	66	238	100	237.75
10/29/2023 0315	-57	64	64	243	100	230.71
10/29/2023 0330	-54	68	61	247	100	222.2
10/29/2023 0345	-51	71	58	251	100	211.67
10/29/2023 0400	-48	74	55	255	100	200.01
10/29/2023 0415	-45	77	52	258	100	187.79
10/29/2023 0430	-42	80	49	260	100	174.93
10/29/2023 0445	-39	82	46	263	100	161.78
10/29/2023 0500	-36	84	43	265	100	148.98
10/29/2023 0515	-32	86	39	267	100	136.49
10/29/2023 0530	-29	88	36	269	100	123.63
10/29/2023 0545	-26	90	33	271	100	110.19
10/29/2023 0600	-23	92	30	273	99	96.64
10/29/2023 0615	-20	94	27	275	99	83.96
10/29/2023 0630	-16	96	24	276	99	71.58
10/29/2023 0645	-13	98	21	278	99	62.22
10/29/2023 0700	-10	100	18	280	99	89.56
10/29/2023 0715	-7	102	15	282	99	1262.44
10/29/2023 0730	-4	103	12	283	99	38593.83
10/29/2023 0745	0	105	9	285	99	724319.93
10/29/2023 0800	3	107	6	287	99	2503677.52

10/29/2023 0815	6	109	3	289	99	5424033.3
10/29/2023 0830	9	111	1	291	99	9000355.21
10/29/2023 0845	12	114	-3	293	99	13136529.64
10/29/2023 0900	14	116	-6	295	99	17665952.08
10/29/2023 0915	17	118	-8	297	99	22422700.21
10/29/2023 0930	20	121	-11	299	99	27386461.91
10/29/2023 0945	23	123	-14	301	99	32520792.1
10/29/2023 1000	25	126	-16	303	99	37694326.28
10/29/2023 1015	28	129	-19	306	99	42788958.31
10/29/2023 1030	30	132	-21	308	99	47750295.03
10/29/2023 1045	33	135	-24	311	99	52513036.12
10/29/2023 1100	35	139	-26	314	99	56956137.37
10/29/2023 1115	37	143	-28	317	99	60960500.85
10/29/2023 1130	39	147	-30	320	99	64479894.08
10/29/2023 1145	40	151	-32	323	99	67538609.65
10/29/2023 1200	42	155	-33	327	99	70175574.12
10/29/2023 1215	43	160	-35	330	99	72400386.16
10/29/2023 1230	44	165	-36	334	99	74188741.1
10/29/2023 1245	45	170	-38	338	99	75501149.39
10/29/2023 1300	45	175	-39	342	99	76301671.72
10/29/2023 1315	45	180	-39	346	99	76567345.26
10/29/2023 1330	45	185	-40	351	99	76290575.41
10/29/2023 1345	45	190	-40	355	99	75479267.37
10/29/2023 1400	44	195	-40	360	99	74156682.24
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10/29/2023 1445	40	209	-39	13	99	67479981.21
10/29/2023 1500	39	213	-38	17	99	64412110.94
10/29/2023 1515	37	217	-37	21	99	60882646.81
10/29/2023 1530	35	221	-36	25	99	56868238.82
10/29/2023 1545	33	225	-35	29	99	52416884.99
10/29/2023 1600	30	228	-33	32	99	47648617.87
10/29/2023 1615	28	231	-31	36	99	42683648.59
10/29/2023 1630	25	234	-29	39	99	37586224.18
10/29/2023 1645	23	237	-27	42	99	32411530.78
10/29/2023 1700	20	239	-25	45	98	27279061.67
10/29/2023 1715	17	242	-23	48	98	22319060.25
10/29/2023 1730	14	244	-21	50	98	17565916.88
10/29/2023 1745	11	246	-18	53	98	13041916.67
10/29/2023 1800	9	248	-16	55	98	8915920.08
10/29/2023 1815	6	251	-13	57	98	5351690.7
10/29/2023 1830	3	253	-10	59	98	2448945.82
10/29/2023 1845	0	255	-8	61	98	700110.16
10/29/2023 1900	-4	256	-5	63	98	35896.03
10/29/2023 1915	-7	258	-2	65	98	1127.46
10/29/2023 1930	-10	260	1	67	98	42.07
10/29/2023 1945	-13	262	4	69	98	9.59

10/29/2023 2000	-17	264	7	71	98	11.69
10/29/2023 2015	-20	266	10	72	98	17.04
10/29/2023 2030	-23	267	13	74	98	23.13
10/29/2023 2045	-26	269	16	75	98	30.38
10/29/2023 2100	-29	271	19	77	98	38.14
10/29/2023 2115	-33	273	22	79	98	46.47
10/29/2023 2130	-36	275	25	80	98	55.25
10/29/2023 2145	-39	278	28	82	98	64.26
10/29/2023 2200	-42	280	31	83	98	73.41
10/29/2023 2215	-45	282	34	85	98	82.59
10/29/2023 2230	-48	285	37	86	98	91.38
10/29/2023 2245	-51	288	40	88	98	99.58
10/29/2023 2300	-54	292	44	90	98	107.51
10/29/2023 2315	-57	295	47	92	98	115.6
10/29/2023 2330	-60	300	50	94	98	123.68
10/29/2023 2345	-63	305	53	96	98	131.27
10/30/2023 0000	-66	311	56	98	98	138.33
10/30/2023 0015	-68	318	59	101	98	144.8
10/30/2023 0030	-70	327	62	104	98	149.99
10/30/2023 0045	-71	337	65	107	97	153.71
10/30/2023 0100	-72	348	68	112	97	157.31
10/30/2023 0115	-73	0	71	117	97	161.43
10/30/2023 0130	-72	12	74	124	97	164.23
10/30/2023 0145	-71	23	77	133	97	165.07
10/30/2023 0200	-70	33	79	145	97	166.01
10/30/2023 0215	-68	42	80	162	97	167.2
10/30/2023 0230	-66	49	81	182	97	167.18
10/30/2023 0245	-63	55	80	202	97	165.62
10/30/2023 0300	-60	60	78	218	97	163.04
10/30/2023 0315	-57	65	76	230	97	160.92
10/30/2023 0330	-55	68	74	239	97	158.64
10/30/2023 0345	-52	72	71	246	97	154.38
10/30/2023 0400	-48	75	68	251	97	149.23
10/30/2023 0415	-45	78	65	255	97	144.71
10/30/2023 0430	-42	80	62	258	97	139.96
10/30/2023 0445	-39	82	59	261	97	133.86
10/30/2023 0500	-36	85	56	264	97	126.79
10/30/2023 0515	-33	87	53	266	97	119.33
10/30/2023 0530	-29	89	50	268	97	111.5
10/30/2023 0545	-26	91	46	270	97	103.4
10/30/2023 0600	-23	93	43	272	97	95.45
10/30/2023 0615	-20	95	40	274	97	88.28
10/30/2023 0630	-17	96	37	276	97	80.82
10/30/2023 0645	-13	98	34	277	97	75.14
10/30/2023 0700	-10	100	31	279	97	100.19
10/30/2023 0715	-7	102	28	280	96	1083.47
10/30/2023 0730	-4	104	25	282	96	32988.57

10/30/2023 0745	-1	106	22	284	96	453735.39
10/30/2023 0800	3	108	19	285	96	2372462.88
10/30/2023 0815	5	110	16	287	96	5240278.67
10/30/2023 0830	8	112	13	289	96	8773522.6
10/30/2023 0845	11	114	10	290	96	12866831.16
10/30/2023 0900	14	116	7	292	96	17362504.53
10/30/2023 0915	17	118	5	294	96	22087308.66
10/30/2023 0930	20	121	2	296	96	27014212.58
10/30/2023 0945	23	123	-1	297	96	32113164.23
10/30/2023 1000	25	126	-4	299	96	37258031.32
10/30/2023 1015	28	129	-7	301	96	42326659.72
10/30/2023 1030	30	132	-9	303	96	47261399.41
10/30/2023 1045	32	136	-12	306	96	52002110.57
10/30/2023 1100	35	139	-14	308	96	56434541.12
10/30/2023 1115	37	143	-16	310	96	60438369.12
10/30/2023 1130	39	147	-19	313	96	63958567.32
10/30/2023 1145	40	151	-21	315	96	67011269.19
10/30/2023 1200	42	155	-23	318	96	69633597.72
10/30/2023 1215	43	160	-25	321	96	71838796.29
10/30/2023 1230	44	165	-27	324	96	73607616.12
10/30/2023 1245	45	170	-28	327	95	74904160.91
10/30/2023 1300	45	175	-30	331	95	75694095.73
10/30/2023 1315	45	180	-31	334	95	75954861.08
10/30/2023 1330	45	185	-33	338	95	75678927.49
10/30/2023 1345	44	190	-34	341	95	74874255.44
10/30/2023 1400	44	195	-35	345	95	73563799.31
10/30/2023 1415	43	200	-35	349	95	71782115.34
10/30/2023 1430	42	205	-36	353	95	69564900.87
10/30/2023 1445	40	209	-36	357	95	66930636.98
10/30/2023 1500	38	213	-36	1	95	63865102.85
10/30/2023 1515	37	217	-36	5	95	60330992.26
10/30/2023 1530	35	221	-35	9	95	56313613.52
10/30/2023 1545	32	224	-35	13	95	51870315.74
10/30/2023 1600	30	228	-34	17	95	47122414.72
10/30/2023 1615	28	231	-33	21	95	42182888.24
10/30/2023 1630	25	234	-32	24	95	37110636.68
10/30/2023 1645	22	236	-30	28	95	31964600.43
10/30/2023 1700	20	239	-29	31	95	26868635.91
10/30/2023 1715	17	241	-27	34	95	21947059.72
10/30/2023 1730	14	244	-25	37	95	17227364.79
10/30/2023 1745	11	246	-23	40	94	12739644.75
10/30/2023 1800	8	248	-21	43	94	8660671.45
10/30/2023 1815	5	250	-19	45	94	5144028.22
10/30/2023 1830	2	252	-17	48	94	2301127.79
10/30/2023 1845	-1	254	-14	50	94	426057.55
10/30/2023 1900	-4	256	-12	52	94	29894.79
10/30/2023 1915	-7	258	-9	55	94	920.56

10/30/2023 1930	-10	260	-7	57	94	34.11
10/30/2023 1945	-13	262	-4	59	94	3.72
10/30/2023 2000	-17	263	-2	61	94	1.64
10/30/2023 2015	-20	265	2	62	94	2.76
10/30/2023 2030	-23	267	4	64	94	4.63
10/30/2023 2045	-26	269	7	66	94	7.81
10/30/2023 2100	-30	271	10	67	94	11.61
10/30/2023 2115	-33	273	13	69	94	15.99
10/30/2023 2130	-36	275	16	71	94	20.8
10/30/2023 2145	-39	277	19	72	94	25.95
10/30/2023 2200	-42	280	22	74	94	31.49
10/30/2023 2215	-45	282	25	75	94	37.35
10/30/2023 2230	-49	285	28	76	93	43.39
10/30/2023 2245	-52	288	31	78	93	49.56
10/30/2023 2300	-55	291	34	79	93	55.78
10/30/2023 2315	-58	295	37	81	93	61.81
10/30/2023 2330	-61	299	40	82	93	67.47
10/30/2023 2345	-63	305	43	84	93	72.9
10/31/2023 0000	-66	311	46	85	93	78.44
10/31/2023 0015	-68	318	49	87	93	84.05
10/31/2023 0030	-70	326	52	88	93	89.41
10/31/2023 0045	-72	336	55	90	93	94.41
10/31/2023 0100	-73	348	59	92	93	99.09
10/31/2023 0115	-73	0	62	94	93	103.01
10/31/2023 0130	-73	12	65	97	93	105.86
10/31/2023 0145	-72	24	68	99	93	108.49
10/31/2023 0200	-70	34	71	103	93	111.63
10/31/2023 0215	-68	42	74	107	93	113.9
10/31/2023 0230	-66	50	77	113	93	114.71
10/31/2023 0245	-63	56	80	122	92	116.36
10/31/2023 0300	-61	61	82	136	92	117.86
10/31/2023 0315	-58	65	84	161	92	117.39
10/31/2023 0330	-55	69	84	194	92	116.95
10/31/2023 0345	-52	72	83	221	92	116.75
10/31/2023 0400	-49	75	80	237	92	114.88
10/31/2023 0415	-45	78	78	247	92	112.27
10/31/2023 0430	-42	81	75	253	92	110.75
10/31/2023 0445	-39	83	72	258	92	108.15
10/31/2023 0500	-36	85	69	261	92	104.43
10/31/2023 0515	-33	87	66	264	92	101.15
10/31/2023 0530	-30	89	62	267	92	97.92
10/31/2023 0545	-26	91	59	269	92	93.81
10/31/2023 0600	-23	93	56	271	92	88.95
10/31/2023 0615	-20	95	53	272	92	84.34
10/31/2023 0630	-17	97	50	274	92	79.28
10/31/2023 0645	-14	98	47	276	91	75.97
10/31/2023 0700	-10	100	44	277	91	99.42

10/31/2023 0715	-7	102	41	279	91	924.45
10/31/2023 0730	-4	104	38	280	91	28107.04
10/31/2023 0745	-1	106	35	282	91	406825.63
10/31/2023 0800	2	108	31	283	91	2244252.09
10/31/2023 0815	5	110	28	285	91	5057774.31
10/31/2023 0830	8	112	25	286	91	8547953.22
10/31/2023 0845	11	114	23	288	91	12597944.36
10/31/2023 0900	14	116	20	289	91	17059334.8
10/31/2023 0915	17	119	17	291	91	21752477.96
10/31/2023 0930	20	121	14	292	91	26642851.06
10/31/2023 0945	22	124	11	294	91	31706152.14
10/31/2023 1000	25	127	8	295	91	36822074.6
10/31/2023 1015	28	129	5	297	91	41864972.43
10/31/2023 1030	30	133	3	299	91	46773408.61
10/31/2023 1045	32	136	0	301	90	51491611.53
10/31/2023 1100	34	139	-3	303	90	55912297.27
10/31/2023 1115	36	143	-5	305	90	59914986.86
10/31/2023 1130	38	147	-8	307	90	63436693.28
10/31/2023 1145	40	151	-10	309	90	66485269.77
10/31/2023 1200	41	156	-13	311	90	69095258.25
10/31/2023 1215	43	160	-15	313	90	71282819.82
10/31/2023 1230	43	165	-17	316	90	73033473.53
10/31/2023 1245	44	170	-19	318	90	74315012.97
10/31/2023 1300	45	175	-21	321	90	75094949.9
10/31/2023 1315	45	180	-23	324	90	75351323.6
10/31/2023 1330	45	185	-25	327	90	75076731.14
10/31/2023 1345	44	190	-26	330	90	74279093.37
10/31/2023 1400	43	195	-28	333	90	72980823.75
10/31/2023 1415	42	200	-29	336	90	71214622.39
10/31/2023 1430	41	205	-30	340	89	69012392.31
10/31/2023 1445	40	209	-31	343	89	66387685.78
10/31/2023 1500	38	213	-32	347	89	63323293.86
10/31/2023 1515	36	217	-32	351	89	59784688.11
10/31/2023 1530	34	221	-33	354	89	55765895.66
10/31/2023 1545	32	224	-33	358	89	51332553.58
10/31/2023 1600	30	227	-33	2	89	46606008.81
10/31/2023 1615	27	231	-33	6	89	41691895.14
10/31/2023 1630	25	233	-32	10	89	36644752.37
10/31/2023 1645	22	236	-32	13	89	31527788.29
10/31/2023 1700	20	239	-31	17	89	26468447.47
10/31/2023 1715	17	241	-30	20	89	21584547.93
10/31/2023 1730	14	244	-29	24	89	16897644.71
10/31/2023 1745	11	246	-27	27	89	12446358.79
10/31/2023 1800	8	248	-26	30	89	8414021.14
10/31/2023 1815	5	250	-24	33	88	4943912.63
10/31/2023 1830	2	252	-22	36	88	2161567.89
10/31/2023 1845	-1	254	-20	39	88	376547.02

10/31/2023 1900	-4	256	-18	42	88	24946.35
10/31/2023 1915	-7	258	-16	44	88	756.47
10/31/2023 1930	-10	260	-14	46	88	29.34
10/31/2023 1945	-14	261	-12	49	88	3.4
10/31/2023 2000	-17	263	-9	51	88	1.31
10/31/2023 2015	-20	265	-7	53	88	0.5
10/31/2023 2030	-23	267	-5	55	88	0.51
10/31/2023 2045	-26	269	-2	57	88	0.65
10/31/2023 2100	-30	271	1	59	88	1.51
10/31/2023 2115	-33	273	4	61	88	3.01
10/31/2023 2130	-36	275	6	62	88	5.11
10/31/2023 2145	-39	277	9	64	87	7.64
10/31/2023 2200	-42	279	12	65	87	10.59
10/31/2023 2215	-46	282	15	67	87	13.87
10/31/2023 2230	-49	284	17	68	87	17.4
10/31/2023 2245	-52	287	20	70	87	21.19
10/31/2023 2300	-55	291	23	71	87	25.25
10/31/2023 2315	-58	295	26	73	87	29.47
10/31/2023 2330	-61	299	29	74	87	33.79
10/31/2023 2345	-63	304	32	75	87	38.2