

November 2023

Time Local	Solar Elevation (°)	Solar Azimuth (° True)	Lunar Elevation (°)	Lunar Azimuth (° True)	Lunar Phase (%)	Ground Illumination (mlx)
11/01/2023 0000	-66	310	35	77	87	42.57
11/01/2023 0015	-68	317	38	78	87	46.72
11/01/2023 0030	-70	326	41	79	87	50.64
11/01/2023 0045	-72	336	44	81	87	54.53
11/01/2023 0100	-73	348	48	82	86	58.54
11/01/2023 0115	-73	0	51	84	86	62.5
11/01/2023 0130	-73	13	54	85	86	66.22
11/01/2023 0145	-72	24	57	86	86	69.72
11/01/2023 0200	-70	34	60	88	86	72.9
11/01/2023 0215	-68	43	63	90	86	75.38
11/01/2023 0230	-66	50	66	92	86	77.27
11/01/2023 0245	-63	56	69	94	86	79.39
11/01/2023 0300	-61	61	73	96	86	81.6
11/01/2023 0315	-58	66	76	100	86	82.65
11/01/2023 0330	-55	69	79	105	86	83.49
11/01/2023 0345	-52	73	82	112	86	85.13
11/01/2023 0400	-49	76	85	127	86	84.96
11/01/2023 0415	-46	78	86	162	85	85.31
11/01/2023 0430	-42	81	86	213	85	84.73
11/01/2023 0445	-39	83	84	239	85	84.28
11/01/2023 0500	-36	85	81	251	85	83.3
11/01/2023 0515	-33	88	78	258	85	81.21
11/01/2023 0530	-30	89	75	262	85	80.08
11/01/2023 0545	-26	91	72	265	85	78.17
11/01/2023 0600	-23	93	69	267	85	75.47
11/01/2023 0615	-20	95	65	269	85	73.11
11/01/2023 0630	-17	97	62	271	85	71.58
11/01/2023 0645	-14	99	59	273	85	70.63
11/01/2023 0700	-11	101	56	275	85	92.25
11/01/2023 0715	-7	102	53	276	85	783.63
11/01/2023 0730	-4	104	50	277	84	23870.8
11/01/2023 0745	-1	106	47	279	84	363460.36
11/01/2023 0800	2	108	44	280	84	2119242.97
11/01/2023 0815	5	110	41	282	84	4876615.78
11/01/2023 0830	8	112	38	283	84	8323723.74
11/01/2023 0845	11	114	34	284	84	12330005.63
11/01/2023 0900	14	117	31	286	84	16756551.1
11/01/2023 0915	17	119	29	287	84	21418290.17
11/01/2023 0930	19	121	26	288	84	26272515.77
11/01/2023 0945	22	124	23	290	84	31299953.74
11/01/2023 1000	25	127	20	291	84	36386646.23
11/01/2023 1015	27	130	17	293	84	41404070.4

11/01/2023 1030	30	133	14	294	84	46286562.47
11/01/2023 1045	32	136	11	296	83	50981898.72
11/01/2023 1100	34	140	8	297	83	55389813.69
11/01/2023 1115	36	143	6	299	83	59390657.91
11/01/2023 1130	38	147	3	301	83	62914372.91
11/01/2023 1145	40	151	1	302	83	65960535.89
11/01/2023 1200	41	156	-2	304	83	68560417.08
11/01/2023 1215	42	160	-5	306	83	70732371.06
11/01/2023 1230	43	165	-7	308	83	72466343.13
11/01/2023 1245	44	170	-10	310	83	73733852.98
11/01/2023 1300	44	175	-12	313	83	74504461.08
11/01/2023 1315	44	180	-14	315	83	74756982.33
11/01/2023 1330	44	185	-16	317	83	74484196.23
11/01/2023 1345	44	190	-18	320	82	73693893.02
11/01/2023 1400	43	195	-20	323	82	72407732.38
11/01/2023 1415	42	200	-22	325	82	70656329.9
11/01/2023 1430	41	204	-24	328	82	68467766.45
11/01/2023 1445	40	209	-25	331	82	65851073.15
11/01/2023 1500	38	213	-27	335	82	62786881.69
11/01/2023 1515	36	217	-28	338	82	59244183.66
11/01/2023 1530	34	220	-29	341	82	55225621.3
11/01/2023 1545	32	224	-30	345	82	50804019.56
11/01/2023 1600	30	227	-31	348	82	46099649.15
11/01/2023 1615	27	230	-31	352	82	41210853.93
11/01/2023 1630	25	233	-31	355	82	36188787.64
11/01/2023 1645	22	236	-32	359	81	31101292.06
11/01/2023 1700	19	239	-31	3	81	26078590.47
11/01/2023 1715	17	241	-31	7	81	21231569.58
11/01/2023 1730	14	243	-31	10	81	16576850.2
11/01/2023 1745	11	246	-30	14	81	12162123.67
11/01/2023 1800	8	248	-29	17	81	8175906.11
11/01/2023 1815	5	250	-28	21	81	4751308.24
11/01/2023 1830	2	252	-27	24	81	2030151.64
11/01/2023 1845	-1	254	-26	27	81	332683.76
11/01/2023 1900	-4	256	-24	30	81	20867.9
11/01/2023 1915	-7	257	-23	33	81	625.63
11/01/2023 1930	-11	259	-21	36	81	25.44
11/01/2023 1945	-14	261	-19	39	80	3.16
11/01/2023 2000	-17	263	-17	41	80	1.29
11/01/2023 2015	-20	265	-15	44	80	0.5
11/01/2023 2030	-23	267	-13	46	80	0.5
11/01/2023 2045	-27	268	-11	48	80	0.5
11/01/2023 2100	-30	270	-8	51	80	0.5
11/01/2023 2115	-33	272	-6	53	80	0.5
11/01/2023 2130	-36	274	-3	55	80	0.54
11/01/2023 2145	-39	277	0	57	80	0.89
11/01/2023 2200	-43	279	2	58	80	1.66

11/01/2023 2215	-46	281	5	60	80	2.96
11/01/2023 2230	-49	284	7	62	80	4.61
11/01/2023 2245	-52	287	10	63	79	6.56
11/01/2023 2300	-55	290	13	65	79	8.8
11/01/2023 2315	-58	294	16	67	79	11.24
11/01/2023 2330	-61	298	19	68	79	13.87
11/01/2023 2345	-64	303	21	69	79	16.69
11/02/2023 0000	-66	310	24	71	79	19.68
11/02/2023 0015	-69	317	27	72	79	22.77
11/02/2023 0030	-71	325	30	74	79	25.93
11/02/2023 0045	-72	336	33	75	79	29.13
11/02/2023 0100	-73	347	36	76	79	32.26
11/02/2023 0115	-74	0	39	77	79	35.22
11/02/2023 0130	-73	13	42	79	79	38.04
11/02/2023 0145	-72	25	45	80	78	40.9
11/02/2023 0200	-71	35	49	81	78	43.82
11/02/2023 0215	-69	43	52	83	78	46.66
11/02/2023 0230	-66	51	55	84	78	49.31
11/02/2023 0245	-64	57	58	86	78	51.82
11/02/2023 0300	-61	62	61	87	78	54.01
11/02/2023 0315	-58	66	64	89	78	55.64
11/02/2023 0330	-55	70	67	91	78	57.02
11/02/2023 0345	-52	73	70	93	78	58.67
11/02/2023 0400	-49	76	74	95	78	60.1
11/02/2023 0415	-46	79	77	99	78	60.65
11/02/2023 0430	-43	81	80	103	77	61.54
11/02/2023 0445	-39	84	83	111	77	62.48
11/02/2023 0500	-36	86	86	128	77	62.2
11/02/2023 0515	-33	88	87	175	77	62.87
11/02/2023 0530	-30	90	86	227	77	61.94
11/02/2023 0545	-27	92	83	247	77	61.71
11/02/2023 0600	-23	94	80	256	77	60.66
11/02/2023 0615	-20	95	77	261	77	59.26
11/02/2023 0630	-17	97	74	264	77	59.21
11/02/2023 0645	-14	99	71	267	77	59.45
11/02/2023 0700	-11	101	68	269	77	79.32
11/02/2023 0715	-8	103	65	271	76	659.37
11/02/2023 0730	-4	105	62	273	76	20210.5
11/02/2023 0745	-1	106	58	274	76	323543.03
11/02/2023 0800	2	108	55	275	76	1997637.9
11/02/2023 0815	5	110	52	277	76	4696915.56
11/02/2023 0830	8	112	49	278	76	8100916.49
11/02/2023 0845	11	115	46	280	76	12063162.74
11/02/2023 0900	14	117	43	281	76	16454280.97
11/02/2023 0915	16	119	40	282	76	21084843.36
11/02/2023 0930	19	122	37	283	76	25903356.46
11/02/2023 0945	22	124	34	285	76	30894779.6

11/02/2023 1000	25	127	31	286	76	35951946.98
11/02/2023 1015	27	130	28	287	75	40944127.24
11/02/2023 1030	29	133	25	289	75	45801086.52
11/02/2023 1045	32	136	22	290	75	50473316.76
11/02/2023 1100	34	140	19	292	75	54867501.63
11/02/2023 1115	36	143	16	293	75	58865716.3
11/02/2023 1130	38	147	13	295	75	62391751.47
11/02/2023 1145	39	151	10	296	75	65437028.31
11/02/2023 1200	41	156	8	298	75	68028946.93
11/02/2023 1215	42	160	5	299	75	70187345.31
11/02/2023 1230	43	165	2	301	75	71906210.8
11/02/2023 1245	44	170	0	303	75	73160768.45
11/02/2023 1300	44	175	-3	305	74	73922787.72
11/02/2023 1315	44	180	-6	307	74	74172015.13
11/02/2023 1330	44	185	-8	309	74	73901462.17
11/02/2023 1345	44	190	-10	311	74	73118703.74
11/02/2023 1400	43	195	-13	313	74	71844458.16
11/02/2023 1415	42	200	-15	316	74	70107080.29
11/02/2023 1430	41	204	-17	318	74	67930870.95
11/02/2023 1445	39	209	-19	321	74	65320794.02
11/02/2023 1500	38	213	-21	323	74	62256113.96
11/02/2023 1515	36	217	-23	326	74	58709950.02
11/02/2023 1530	34	220	-24	329	74	54693312.17
11/02/2023 1545	32	224	-26	332	73	50285104.64
11/02/2023 1600	29	227	-27	335	73	45603565.75
11/02/2023 1615	27	230	-28	339	73	40739946.12
11/02/2023 1630	24	233	-29	342	73	35742954.66
11/02/2023 1645	22	236	-30	346	73	30685294.38
11/02/2023 1700	19	238	-31	349	73	25699145.57
11/02/2023 1715	16	241	-31	353	73	20888167.8
11/02/2023 1730	14	243	-32	357	73	16265071.4
11/02/2023 1745	11	245	-32	0	73	11886988.23
11/02/2023 1800	8	247	-32	4	73	7946255.22
11/02/2023 1815	5	250	-31	8	72	4566178.96
11/02/2023 1830	2	251	-31	11	72	1906727.84
11/02/2023 1845	-1	253	-30	15	72	293935.95
11/02/2023 1900	-5	255	-29	19	72	17506.58
11/02/2023 1915	-8	257	-28	22	72	520.86
11/02/2023 1930	-11	259	-27	25	72	22.23
11/02/2023 1945	-14	261	-26	28	72	2.94
11/02/2023 2000	-17	263	-24	32	72	1.26
11/02/2023 2015	-20	264	-22	34	72	0.5
11/02/2023 2030	-24	266	-21	37	72	0.5
11/02/2023 2045	-27	268	-19	40	72	0.5
11/02/2023 2100	-30	270	-17	43	71	0.5
11/02/2023 2115	-33	272	-15	45	71	0.5
11/02/2023 2130	-36	274	-12	47	71	0.5

11/02/2023 2145	-40	276	-10	50	71	0.5
11/02/2023 2200	-43	278	-8	52	71	0.5
11/02/2023 2215	-46	281	-5	54	71	0.5
11/02/2023 2230	-49	284	-3	56	71	0.54
11/02/2023 2245	-52	287	0	58	71	0.87
11/02/2023 2300	-55	290	3	60	71	1.52
11/02/2023 2315	-58	294	5	61	71	2.54
11/02/2023 2330	-61	298	8	63	71	3.8
11/02/2023 2345	-64	303	11	65	70	5.29
11/03/2023 0000	-66	309	14	66	70	6.97
11/03/2023 0015	-69	316	16	68	70	8.8
11/03/2023 0030	-71	325	19	69	70	10.76
11/03/2023 0045	-73	335	22	71	70	12.86
11/03/2023 0100	-74	347	25	72	70	15.08
11/03/2023 0115	-74	0	28	74	70	17.36
11/03/2023 0130	-74	13	31	75	70	19.69
11/03/2023 0145	-73	25	34	76	70	22.03
11/03/2023 0200	-71	35	37	78	70	24.29
11/03/2023 0215	-69	44	40	79	69	26.41
11/03/2023 0230	-66	51	43	80	69	28.48
11/03/2023 0245	-64	57	46	82	69	30.59
11/03/2023 0300	-61	62	49	83	69	32.72
11/03/2023 0315	-58	67	53	85	69	34.75
11/03/2023 0330	-55	70	56	86	69	36.66
11/03/2023 0345	-52	74	59	88	69	38.44
11/03/2023 0400	-49	77	62	90	69	39.92
11/03/2023 0415	-46	79	65	92	69	41.01
11/03/2023 0430	-43	82	68	94	69	42.04
11/03/2023 0445	-40	84	71	97	69	43.27
11/03/2023 0500	-36	86	74	100	68	44.11
11/03/2023 0515	-33	88	78	105	68	44.44
11/03/2023 0530	-30	90	81	112	68	45.23
11/03/2023 0545	-27	92	83	124	68	45.62
11/03/2023 0600	-24	94	85	150	68	45.41
11/03/2023 0615	-20	96	86	195	68	45.36
11/03/2023 0630	-17	98	84	228	68	45.88
11/03/2023 0645	-14	99	82	244	68	47.27
11/03/2023 0700	-11	101	79	252	68	65.14
11/03/2023 0715	-8	103	76	258	68	551.28
11/03/2023 0730	-5	105	72	261	67	17059.77
11/03/2023 0745	-1	107	69	264	67	286956.84
11/03/2023 0800	2	109	66	267	67	1879632.14
11/03/2023 0815	5	111	63	269	67	4518798.91
11/03/2023 0830	8	113	60	271	67	7879617.65
11/03/2023 0845	11	115	57	272	67	11797572.12
11/03/2023 0900	13	117	54	274	67	16152666.82
11/03/2023 0915	16	119	50	276	67	20752245.12

11/03/2023 0930	19	122	47	277	67	25535527.12
11/03/2023 0945	22	125	44	278	67	30490849.4
11/03/2023 1000	24	127	41	280	67	35518194.53
11/03/2023 1015	27	130	38	281	66	40485331.47
11/03/2023 1030	29	133	35	282	66	45317211.56
11/03/2023 1045	31	136	32	284	66	49966211.42
11/03/2023 1100	34	140	29	285	66	54345783.64
11/03/2023 1115	36	144	26	287	66	58340524.34
11/03/2023 1130	37	148	23	288	66	61869011.63
11/03/2023 1145	39	152	20	289	66	64914737.74
11/03/2023 1200	40	156	17	291	66	67500729.38
11/03/2023 1215	42	161	14	292	66	69647622.37
11/03/2023 1230	43	165	11	294	66	71353025.7
11/03/2023 1245	43	170	8	296	65	72595795.07
11/03/2023 1300	44	175	6	297	65	73350027.56
11/03/2023 1315	44	180	3	299	65	73596535.09
11/03/2023 1330	44	185	1	301	65	73328605.33
11/03/2023 1345	43	190	-3	303	65	72553521.46
11/03/2023 1400	43	195	-5	305	65	71290900.81
11/03/2023 1415	42	200	-8	307	65	69566712.86
11/03/2023 1430	40	204	-10	309	65	67401583.06
11/03/2023 1445	39	208	-12	311	65	64796893.25
11/03/2023 1500	37	213	-15	313	65	61731282.58
11/03/2023 1515	36	216	-17	316	65	58182472.22
11/03/2023 1530	34	220	-19	318	64	54169470.61
11/03/2023 1545	31	224	-21	321	64	49776169.25
11/03/2023 1600	29	227	-23	324	64	45117970.95
11/03/2023 1615	27	230	-25	327	64	40279349.56
11/03/2023 1630	24	233	-26	330	64	35307458.99
11/03/2023 1645	22	235	-28	333	64	30279961.41
11/03/2023 1700	19	238	-29	336	64	25330180.33
11/03/2023 1715	16	240	-31	340	64	20554383.74
11/03/2023 1730	13	243	-32	343	64	15962393.03
11/03/2023 1745	10	245	-32	347	64	11620984.87
11/03/2023 1800	8	247	-33	351	63	7724990.26
11/03/2023 1815	5	249	-33	355	63	4388486.07
11/03/2023 1830	2	251	-34	358	63	1791109.73
11/03/2023 1845	-2	253	-34	2	63	259796.08
11/03/2023 1900	-5	255	-33	6	63	14735.19
11/03/2023 1915	-8	257	-33	10	63	436.6
11/03/2023 1930	-11	259	-32	14	63	19.56
11/03/2023 1945	-14	261	-32	17	63	2.75
11/03/2023 2000	-17	262	-31	21	63	1.24
11/03/2023 2015	-20	264	-29	24	63	0.5
11/03/2023 2030	-24	266	-28	28	62	0.5
11/03/2023 2045	-27	268	-27	31	62	0.5
11/03/2023 2100	-30	270	-25	34	62	0.5

11/03/2023 2115	-33	272	-23	37	62	0.5
11/03/2023 2130	-37	274	-21	40	62	0.5
11/03/2023 2145	-40	276	-19	43	62	0.5
11/03/2023 2200	-43	278	-17	45	62	0.5
11/03/2023 2215	-46	281	-15	48	62	0.5
11/03/2023 2230	-49	283	-13	50	62	0.5
11/03/2023 2245	-52	286	-10	52	62	0.5
11/03/2023 2300	-55	289	-8	55	61	0.5
11/03/2023 2315	-58	293	-5	57	61	0.5
11/03/2023 2330	-61	297	-3	59	61	0.53
11/03/2023 2345	-64	302	1	60	61	0.8
11/04/2023 0000	-67	308	3	62	61	1.32
11/04/2023 0015	-69	316	6	64	61	2.1
11/04/2023 0030	-71	324	8	66	61	3.05
11/04/2023 0045	-73	335	11	67	61	4.17
11/04/2023 0100	-74	347	14	69	61	5.43
11/04/2023 0115	-74	0	17	71	61	6.79
11/04/2023 0130	-74	13	20	72	60	8.25
11/04/2023 0145	-73	25	23	74	60	9.82
11/04/2023 0200	-71	36	26	75	60	11.45
11/04/2023 0215	-69	45	29	77	60	13.12
11/04/2023 0230	-67	52	32	78	60	14.82
11/04/2023 0245	-64	58	35	80	60	16.52
11/04/2023 0300	-61	63	38	81	60	18.13
11/04/2023 0315	-58	67	41	83	60	19.65
11/04/2023 0330	-55	71	44	84	60	21.15
11/04/2023 0345	-52	74	47	86	60	22.69
11/04/2023 0400	-49	77	51	88	60	24.21
11/04/2023 0415	-46	80	54	89	59	25.64
11/04/2023 0430	-43	82	57	91	59	26.98
11/04/2023 0445	-40	84	60	94	59	28.2
11/04/2023 0500	-37	86	63	96	59	29.15
11/04/2023 0515	-33	89	66	99	59	29.86
11/04/2023 0530	-30	90	69	102	59	30.64
11/04/2023 0545	-27	92	72	106	59	31.47
11/04/2023 0600	-24	94	75	112	59	31.88
11/04/2023 0615	-20	96	78	120	59	32.11
11/04/2023 0630	-17	98	81	132	59	33.36
11/04/2023 0645	-14	100	83	151	58	35.09
11/04/2023 0700	-11	101	84	178	58	51.55
11/04/2023 0715	-8	103	83	206	58	458.88
11/04/2023 0730	-5	105	81	226	58	14359.66
11/04/2023 0745	-2	107	78	238	58	253573.64
11/04/2023 0800	2	109	76	246	58	1765415.93
11/04/2023 0815	5	111	73	252	58	4342404.26
11/04/2023 0830	8	113	70	256	58	7659912.27
11/04/2023 0845	10	115	67	260	58	11533390.95

11/04/2023 0900	13	117	63	263	58	15851860.12
11/04/2023 0915	16	120	60	265	57	20420610.47
11/04/2023 0930	19	122	57	267	57	25169185.41
11/04/2023 0945	22	125	54	269	57	30088390.56
11/04/2023 1000	24	128	51	271	57	35085620.45
11/04/2023 1015	27	130	48	273	57	40027882.54
11/04/2023 1030	29	133	44	274	57	44835169.19
11/04/2023 1045	31	137	41	276	57	49460925.87
11/04/2023 1100	33	140	38	277	57	53825092.37
11/04/2023 1115	35	144	35	279	57	57815476.92
11/04/2023 1130	37	148	32	280	57	61346384.07
11/04/2023 1145	39	152	29	282	56	64393699.17
11/04/2023 1200	40	156	26	283	56	66975669.09
11/04/2023 1215	41	161	23	285	56	69113075.87
11/04/2023 1230	42	165	20	286	56	70806704.59
11/04/2023 1245	43	170	17	288	56	72038918.76
11/04/2023 1300	43	175	14	289	56	72786220.1
11/04/2023 1315	43	180	11	291	56	73030596.15
11/04/2023 1330	43	185	8	293	56	72765647.6
11/04/2023 1345	43	190	5	294	56	71998299.38
11/04/2023 1400	42	195	2	296	56	70746937.81
11/04/2023 1415	41	199	0	298	55	69035073.32
11/04/2023 1430	40	204	-3	300	55	66879814.73
11/04/2023 1445	39	208	-6	302	55	64279464.58
11/04/2023 1500	37	212	-9	304	55	61212717.37
11/04/2023 1515	35	216	-11	306	55	57662241.61
11/04/2023 1530	33	220	-14	308	55	53654575.34
11/04/2023 1545	31	223	-16	310	55	49277543.39
11/04/2023 1600	29	227	-18	313	55	44643060.64
11/04/2023 1615	26	230	-21	315	55	39829237.69
11/04/2023 1630	24	232	-23	318	55	34882497.38
11/04/2023 1645	21	235	-25	321	54	29885441.83
11/04/2023 1700	19	238	-27	324	54	24971749.66
11/04/2023 1715	16	240	-29	327	54	20230255.97
11/04/2023 1730	13	243	-30	330	54	15668892.46
11/04/2023 1745	10	245	-32	334	54	11364129.24
11/04/2023 1800	7	247	-33	338	54	7512026.99
11/04/2023 1815	4	249	-34	341	54	4218186.15
11/04/2023 1830	2	251	-35	345	54	1683077.21
11/04/2023 1845	-2	253	-36	349	54	229785.45
11/04/2023 1900	-5	255	-36	353	54	12448.38
11/04/2023 1915	-8	257	-37	357	53	368.5
11/04/2023 1930	-11	258	-37	1	53	17.33
11/04/2023 1945	-14	260	-36	5	53	2.59
11/04/2023 2000	-17	262	-36	10	53	1.22
11/04/2023 2015	-21	264	-36	14	53	0.5
11/04/2023 2030	-24	266	-35	17	53	0.5

11/04/2023 2045	-27	267	-34	21	53	0.5
11/04/2023 2100	-30	269	-33	25	53	0.5
11/04/2023 2115	-33	271	-31	29	53	0.5
11/04/2023 2130	-37	273	-30	32	53	0.5
11/04/2023 2145	-40	275	-28	35	52	0.5
11/04/2023 2200	-43	278	-26	38	52	0.5
11/04/2023 2215	-46	280	-24	41	52	0.5
11/04/2023 2230	-49	283	-22	44	52	0.5
11/04/2023 2245	-53	286	-20	47	52	0.5
11/04/2023 2300	-56	289	-18	50	52	0.5
11/04/2023 2315	-59	293	-15	52	52	0.5
11/04/2023 2330	-62	297	-13	54	52	0.5
11/04/2023 2345	-64	302	-10	57	52	0.5
11/05/2023 0000	-67	308	-8	59	52	0.5
11/05/2023 0015	-69	315	-5	61	51	0.5
11/05/2023 0030	-71	324	-2	63	51	0.53
11/05/2023 0045	-73	334	1	65	51	0.74
11/05/2023 0100	-74	347	3	66	51	1.15
11/05/2023 0115	-75	0	6	68	51	1.74
11/05/2023 0130	-74	13	9	70	51	2.46
11/05/2023 0145	-73	26	12	72	51	3.29
11/05/2023 0200	-61	63	27	80	50	8.6
11/05/2023 0215	-59	68	30	82	50	9.8
11/05/2023 0230	-56	71	33	83	50	11.01
11/05/2023 0245	-52	74	36	85	50	12.2
11/05/2023 0300	-49	77	39	87	50	13.31
11/05/2023 0315	-46	80	43	88	50	14.36
11/05/2023 0330	-43	82	46	90	50	15.43
11/05/2023 0345	-40	85	49	92	50	16.51
11/05/2023 0400	-37	87	52	95	50	17.55
11/05/2023 0415	-33	89	55	97	49	18.51
11/05/2023 0430	-30	91	58	100	49	19.41
11/05/2023 0445	-27	93	61	102	49	20.17
11/05/2023 0500	-24	95	64	106	49	20.73
11/05/2023 0515	-21	96	67	110	49	21.19
11/05/2023 0530	-17	98	70	115	49	22.45
11/05/2023 0545	-14	100	73	122	49	24.28
11/05/2023 0600	-11	102	75	130	49	38.96
11/05/2023 0615	-8	104	78	142	49	380.14
11/05/2023 0630	-5	105	79	157	49	12054.78
11/05/2023 0645	-2	107	80	176	49	223250.13
11/05/2023 0700	2	109	80	195	48	1655166.48
11/05/2023 0715	4	111	78	212	48	4167883.46
11/05/2023 0730	7	113	76	224	48	7441889.03
11/05/2023 0745	10	115	74	234	48	11270781.6
11/05/2023 0800	13	118	71	241	48	15552023.52
11/05/2023 0815	16	120	68	247	48	20090060.77

11/05/2023 0830	19	122	65	251	48	24804488.43
11/05/2023 0845	21	125	62	255	48	29687632.96
11/05/2023 0900	24	128	59	258	48	34654466.87
11/05/2023 0915	26	131	56	261	48	39571990.73
11/05/2023 0930	29	134	53	263	47	44355192.72
11/05/2023 0945	31	137	50	265	47	48957799.3
11/05/2023 1000	33	140	47	267	47	53305865.55
11/05/2023 1015	35	144	43	269	47	57290994.75
11/05/2023 1030	37	148	40	271	47	60824142.54
11/05/2023 1045	38	152	37	273	47	63873992.36
11/05/2023 1100	40	156	34	275	47	66453700.81
11/05/2023 1115	41	161	31	276	47	68583586.36
11/05/2023 1130	42	165	28	278	47	70267147.88
11/05/2023 1145	43	170	25	279	47	71490090.58
11/05/2023 1200	43	175	22	281	46	72231358.15
11/05/2023 1215	43	180	18	283	46	72474200.54
11/05/2023 1230	43	185	15	284	46	72212562.47
11/05/2023 1245	43	190	12	286	46	71452955.03
11/05/2023 1300	42	195	9	287	46	70212433.61
11/05/2023 1315	41	199	6	289	46	68512022.16
11/05/2023 1330	40	204	4	291	46	66365516.89
11/05/2023 1345	38	208	1	293	46	63768648.75
11/05/2023 1400	37	212	-2	294	46	60700779.52
11/05/2023 1415	35	216	-5	296	46	57149749.04
11/05/2023 1430	33	220	-8	298	45	53149078.33
11/05/2023 1445	31	223	-11	300	45	48789527.36
11/05/2023 1500	29	226	-14	303	45	44179015.62
11/05/2023 1515	26	229	-16	305	45	39389778.78
11/05/2023 1530	24	232	-19	307	45	34468255.83
11/05/2023 1545	21	235	-21	310	45	29501866.28
11/05/2023 1600	19	238	-23	312	45	24623896.47
11/05/2023 1615	16	240	-26	315	45	19915820.05
11/05/2023 1630	13	242	-28	318	45	15384638.17
11/05/2023 1645	10	245	-30	321	45	11116420.59
11/05/2023 1700	7	247	-32	325	44	7307276.01
11/05/2023 1715	4	249	-34	328	44	4055229.06
11/05/2023 1730	1	251	-35	332	44	1582379.95
11/05/2023 1745	-2	253	-37	336	44	203457.56
11/05/2023 1800	-5	255	-38	340	44	10559.24
11/05/2023 1815	-8	256	-39	344	44	313.22
11/05/2023 1830	-11	258	-40	348	44	15.47
11/05/2023 1845	-14	260	-40	352	44	2.45
11/05/2023 1900	-18	262	-41	357	44	1.2
11/05/2023 1915	-21	264	-41	1	44	0.5
11/05/2023 1930	-24	265	-40	6	43	0.5
11/05/2023 1945	-27	267	-40	10	43	0.5
11/05/2023 2000	-30	269	-39	15	43	0.5

11/05/2023 2015	-34	271	-39	19	43	0.5
11/05/2023 2030	-37	273	-38	23	43	0.5
11/05/2023 2045	-40	275	-36	27	43	0.5
11/05/2023 2100	-43	277	-35	31	43	0.5
11/05/2023 2115	-46	280	-33	34	43	0.5
11/05/2023 2130	-50	282	-31	38	43	0.5
11/05/2023 2145	-53	285	-30	41	43	0.5
11/05/2023 2200	-56	288	-27	44	43	0.5
11/05/2023 2215	-59	292	-25	47	42	0.5
11/05/2023 2230	-62	296	-23	50	42	0.5
11/05/2023 2245	-64	301	-21	53	42	0.5
11/05/2023 2300	-67	307	-18	55	42	0.5
11/05/2023 2315	-70	315	-16	58	42	0.5
11/05/2023 2330	-72	323	-13	60	42	0.5
11/05/2023 2345	-73	334	-10	62	42	0.5
11/06/2023 0000	-74	347	-8	64	42	0.5
11/06/2023 0015	-75	0	-5	66	42	0.5
11/06/2023 0030	-74	14	-2	68	42	0.53
11/06/2023 0045	-73	26	1	70	41	0.71
11/06/2023 0100	-72	37	4	72	41	1.03
11/06/2023 0115	-70	46	7	74	41	1.47
11/06/2023 0130	-67	53	10	76	41	1.99
11/06/2023 0145	-64	59	13	77	41	2.59
11/06/2023 0200	-62	64	16	79	41	3.25
11/06/2023 0215	-59	68	19	81	41	3.95
11/06/2023 0230	-56	72	22	83	41	4.71
11/06/2023 0245	-53	75	25	84	41	5.5
11/06/2023 0300	-50	78	28	86	41	6.31
11/06/2023 0315	-46	80	31	88	40	7.13
11/06/2023 0330	-43	83	35	90	40	7.94
11/06/2023 0345	-40	85	38	92	40	8.72
11/06/2023 0400	-37	87	41	94	40	9.44
11/06/2023 0415	-34	89	44	96	40	10.14
11/06/2023 0430	-30	91	47	98	40	10.86
11/06/2023 0445	-27	93	50	101	40	11.56
11/06/2023 0500	-24	95	53	104	40	12.21
11/06/2023 0515	-21	97	56	107	40	12.82
11/06/2023 0530	-18	98	59	110	40	14.06
11/06/2023 0545	-14	100	62	115	40	15.73
11/06/2023 0600	-11	102	65	119	39	28.7
11/06/2023 0615	-8	104	67	125	39	314.66
11/06/2023 0630	-5	106	70	132	39	10095.47
11/06/2023 0645	-2	108	72	141	39	195831.37
11/06/2023 0700	1	109	74	152	39	1549046.27
11/06/2023 0715	4	111	75	164	39	3995401.99
11/06/2023 0730	7	113	75	178	39	7225636.83
11/06/2023 0745	10	116	75	192	39	11009906.43

11/06/2023 0800	13	118	74	204	39	15253329.56
11/06/2023 0815	16	120	72	215	39	19760726.6
11/06/2023 0830	18	123	70	224	38	24441595.96
11/06/2023 0845	21	125	68	232	38	29288810.11
11/06/2023 0900	24	128	65	238	38	34224985.84
11/06/2023 0915	26	131	63	243	38	39117875.49
11/06/2023 0930	28	134	60	247	38	43877515.13
11/06/2023 0945	31	137	57	251	38	48457164.31
11/06/2023 1000	33	141	54	254	38	52788542.65
11/06/2023 1015	35	144	51	257	38	56767520.7
11/06/2023 1030	37	148	47	259	38	60302601.62
11/06/2023 1045	38	152	44	262	38	63355742.35
11/06/2023 1100	40	156	41	264	38	65934792.99
11/06/2023 1115	41	161	38	266	37	68059047.08
11/06/2023 1130	42	165	35	268	37	69734246.84
11/06/2023 1145	42	170	32	270	37	70949235.62
11/06/2023 1200	43	175	29	272	37	71685398.75
11/06/2023 1215	43	180	25	273	37	71927311.89
11/06/2023 1230	43	185	22	275	37	71669288.89
11/06/2023 1245	42	190	19	277	37	70917383.01
11/06/2023 1300	42	195	16	278	37	69687248.86
11/06/2023 1315	41	199	13	280	37	67997440.09
11/06/2023 1330	40	204	10	282	37	65858680.51
11/06/2023 1345	38	208	7	284	36	63264630.23
11/06/2023 1400	37	212	4	285	36	60195855.29
11/06/2023 1415	35	216	1	287	36	56645478.98
11/06/2023 1430	33	219	-2	289	36	52653402.73
11/06/2023 1445	31	223	-5	291	36	48312393.11
11/06/2023 1500	28	226	-8	293	36	43726002.98
11/06/2023 1515	26	229	-11	295	36	38961135.29
11/06/2023 1530	24	232	-14	297	36	34064908.14
11/06/2023 1545	21	235	-17	299	36	29129347.4
11/06/2023 1600	18	237	-20	302	36	24286652.59
11/06/2023 1615	16	240	-22	304	36	19611108.07
11/06/2023 1630	13	242	-25	307	35	15109688.55
11/06/2023 1645	10	244	-27	309	35	10877842.37
11/06/2023 1700	7	246	-30	312	35	7110643.77
11/06/2023 1715	4	248	-32	315	35	3899556.33
11/06/2023 1730	1	250	-34	319	35	1488741.34
11/06/2023 1745	-2	252	-36	322	35	180399.94
11/06/2023 1800	-5	254	-38	326	35	8996.26
11/06/2023 1815	-8	256	-40	330	35	268.12
11/06/2023 1830	-11	258	-41	334	35	13.9
11/06/2023 1845	-15	260	-42	338	35	2.33
11/06/2023 1900	-18	261	-43	343	34	1.19
11/06/2023 1915	-21	263	-44	347	34	0.5
11/06/2023 1930	-24	265	-45	352	34	0.5

11/06/2023 1945	-27	267	-45	357	34	0.5
11/06/2023 2000	-31	269	-45	2	34	0.5
11/06/2023 2015	-34	271	-45	7	34	0.5
11/06/2023 2030	-37	273	-45	12	34	0.5
11/06/2023 2045	-40	275	-44	17	34	0.5
11/06/2023 2100	-43	277	-43	21	34	0.5
11/06/2023 2115	-47	279	-42	26	34	0.5
11/06/2023 2130	-50	282	-40	30	34	0.5
11/06/2023 2145	-53	285	-39	34	33	0.5
11/06/2023 2200	-56	288	-37	38	33	0.5
11/06/2023 2215	-59	292	-35	42	33	0.5
11/06/2023 2230	-62	296	-33	45	33	0.5
11/06/2023 2245	-65	301	-31	48	33	0.5
11/06/2023 2300	-67	307	-28	51	33	0.5
11/06/2023 2315	-70	314	-26	54	33	0.5
11/06/2023 2330	-72	323	-23	57	33	0.5
11/06/2023 2345	-74	334	-21	59	33	0.5
11/07/2023 0000	-75	346	-18	62	33	0.5
11/07/2023 0015	-75	0	-15	64	33	0.5
11/07/2023 0030	-75	14	-13	66	32	0.5
11/07/2023 0045	-74	26	-10	69	32	0.5
11/07/2023 0100	-72	37	-7	71	32	0.5
11/07/2023 0115	-70	46	-4	73	32	0.5
11/07/2023 0130	-67	53	-1	75	32	0.53
11/07/2023 0145	-65	59	2	77	32	0.69
11/07/2023 0200	-62	64	5	78	32	0.93
11/07/2023 0215	-59	68	8	80	32	1.23
11/07/2023 0230	-56	72	11	82	32	1.59
11/07/2023 0245	-53	75	14	84	32	2
11/07/2023 0300	-50	78	17	86	32	2.43
11/07/2023 0315	-47	81	20	88	31	2.9
11/07/2023 0330	-43	83	24	90	31	3.39
11/07/2023 0345	-40	85	27	91	31	3.9
11/07/2023 0400	-37	87	30	93	31	4.41
11/07/2023 0415	-34	89	33	96	31	4.93
11/07/2023 0430	-31	91	36	98	31	5.43
11/07/2023 0445	-27	93	39	100	31	5.89
11/07/2023 0500	-24	95	42	103	31	6.32
11/07/2023 0515	-21	97	45	105	31	6.75
11/07/2023 0530	-18	99	48	108	31	7.86
11/07/2023 0545	-15	100	51	111	31	9.38
11/07/2023 0600	-11	102	54	115	30	20.85
11/07/2023 0615	-8	104	57	119	30	260.64
11/07/2023 0630	-5	106	59	124	30	8436.09
11/07/2023 0645	-2	108	62	129	30	171153.49
11/07/2023 0700	1	110	64	135	30	1447198.31
11/07/2023 0715	4	112	66	142	30	3825137.43

11/07/2023 0730	7	114	68	151	30	7011246.75
11/07/2023 0745	10	116	69	160	30	10750929.48
11/07/2023 0800	13	118	70	170	30	14955959.79
11/07/2023 0815	15	120	70	181	30	19432745.16
11/07/2023 0830	18	123	70	191	30	24080668.18
11/07/2023 0845	21	125	69	201	29	28892157.99
11/07/2023 0900	23	128	67	210	29	33797439.41
11/07/2023 0915	26	131	66	218	29	38665767.25
11/07/2023 0930	28	134	64	225	29	43402371.32
11/07/2023 0945	31	137	61	231	29	47959346.87
11/07/2023 1000	33	141	59	236	29	52273561.02
11/07/2023 1015	35	144	56	240	29	56245514.13
11/07/2023 1030	36	148	53	244	29	59782112.88
11/07/2023 1045	38	152	50	248	29	62839119.77
11/07/2023 1100	39	157	47	251	29	65418952.04
11/07/2023 1115	40	161	44	254	29	67539370.99
11/07/2023 1130	41	166	41	256	28	69207892.02
11/07/2023 1145	42	170	38	259	28	70416261.68
11/07/2023 1200	42	175	35	261	28	71148271.61
11/07/2023 1215	43	180	32	263	28	71389863.9
11/07/2023 1230	42	185	28	265	28	71135740.84
11/07/2023 1245	42	190	25	267	28	70391465.77
11/07/2023 1300	41	194	22	269	28	69171251.38
11/07/2023 1315	40	199	19	271	28	67491236.04
11/07/2023 1330	39	203	16	272	28	65359338.61
11/07/2023 1345	38	208	13	274	28	62767632.67
11/07/2023 1400	36	212	10	276	28	59698348.61
11/07/2023 1415	35	216	6	278	27	56149904.33
11/07/2023 1430	33	219	3	280	27	52167941.98
11/07/2023 1445	30	223	1	281	27	47846386.13
11/07/2023 1500	28	226	-3	283	27	43284177.65
11/07/2023 1515	26	229	-6	285	27	38543463.36
11/07/2023 1530	23	232	-9	287	27	33672614.96
11/07/2023 1545	21	234	-12	289	27	28767980.23
11/07/2023 1600	18	237	-15	291	27	23960039.87
11/07/2023 1615	15	239	-18	293	27	19316148.44
11/07/2023 1630	13	242	-21	296	27	14844091.19
11/07/2023 1645	10	244	-24	298	27	10648363.32
11/07/2023 1700	7	246	-26	300	27	6922033.5
11/07/2023 1715	4	248	-29	303	26	3751099.87
11/07/2023 1730	1	250	-32	306	26	1401862.98
11/07/2023 1745	-2	252	-34	309	26	160235.1
11/07/2023 1800	-5	254	-37	312	26	7700.82
11/07/2023 1815	-8	256	-39	316	26	231.15
11/07/2023 1830	-12	258	-41	319	26	12.57
11/07/2023 1845	-15	259	-43	323	26	2.22
11/07/2023 1900	-18	261	-45	328	26	1.17

11/07/2023 1915	-21	263	-46	332	26	0.5
11/07/2023 1930	-24	265	-48	337	26	0.5
11/07/2023 1945	-27	267	-49	342	26	0.5
11/07/2023 2000	-31	268	-50	347	25	0.5
11/07/2023 2015	-34	270	-50	353	25	0.5
11/07/2023 2030	-37	272	-51	358	25	0.5
11/07/2023 2045	-40	274	-51	4	25	0.5
11/07/2023 2100	-43	277	-50	10	25	0.5
11/07/2023 2115	-47	279	-50	15	25	0.5
11/07/2023 2130	-50	282	-49	20	25	0.5
11/07/2023 2145	-53	284	-48	25	25	0.5
11/07/2023 2200	-56	288	-46	30	25	0.5
11/07/2023 2215	-59	291	-45	35	25	0.5
11/07/2023 2230	-62	295	-43	39	25	0.5
11/07/2023 2245	-65	300	-41	43	25	0.5
11/07/2023 2300	-68	306	-39	47	24	0.5
11/07/2023 2315	-70	313	-36	50	24	0.5
11/07/2023 2330	-72	322	-34	53	24	0.5
11/07/2023 2345	-74	333	-32	57	24	0.5
11/08/2023 0000	-75	346	-29	59	24	0.5
11/08/2023 0015	-75	360	-26	62	24	0.5
11/08/2023 0030	-75	14	-24	65	24	0.5
11/08/2023 0045	-74	27	-21	67	24	0.5
11/08/2023 0100	-72	38	-18	69	24	0.5
11/08/2023 0115	-70	47	-15	72	24	0.5
11/08/2023 0130	-68	54	-12	74	24	0.5
11/08/2023 0145	-65	60	-9	76	23	0.5
11/08/2023 0200	-62	65	-6	78	23	0.5
11/08/2023 0215	-59	69	-3	80	23	0.5
11/08/2023 0230	-56	73	1	82	23	0.55
11/08/2023 0245	-53	76	3	84	23	0.66
11/08/2023 0300	-50	79	6	86	23	0.82
11/08/2023 0315	-47	81	9	87	23	1.01
11/08/2023 0330	-44	83	12	89	23	1.23
11/08/2023 0345	-40	86	16	91	23	1.47
11/08/2023 0400	-37	88	19	93	23	1.73
11/08/2023 0415	-34	90	22	95	23	2
11/08/2023 0430	-31	92	25	97	23	2.28
11/08/2023 0445	-27	94	28	100	22	2.57
11/08/2023 0500	-24	95	31	102	22	2.86
11/08/2023 0515	-21	97	34	104	22	3.14
11/08/2023 0530	-18	99	37	107	22	4.07
11/08/2023 0545	-15	101	40	110	22	5.32
11/08/2023 0600	-12	102	43	113	22	15.29
11/08/2023 0615	-8	104	46	116	22	216.39
11/08/2023 0630	-5	106	49	119	22	7035.68
11/08/2023 0645	-2	108	51	123	22	149045.56

11/08/2023 0700	1	110	54	128	22	1349742.71
11/08/2023 0715	4	112	56	132	22	3657280.55
11/08/2023 0730	7	114	58	138	22	6798812.63
11/08/2023 0745	10	116	60	144	22	10494014.49
11/08/2023 0800	13	118	62	151	21	14660104.53
11/08/2023 0815	15	121	63	158	21	19106262.62
11/08/2023 0830	18	123	64	166	21	23721866.52
11/08/2023 0845	21	126	65	175	21	28497912.96
11/08/2023 0900	23	128	65	183	21	33372097.17
11/08/2023 0915	26	131	64	192	21	38215906.73
11/08/2023 0930	28	134	63	200	21	42929998.46
11/08/2023 0945	30	138	62	207	21	47464666.11
11/08/2023 1000	32	141	60	214	21	51761354.09
11/08/2023 1015	34	145	58	220	21	55725447.47
11/08/2023 1030	36	148	56	226	21	59263061.16
11/08/2023 1045	38	152	54	230	21	62324339.09
11/08/2023 1100	39	157	51	235	20	64906224.47
11/08/2023 1115	40	161	48	239	20	67024496.56
11/08/2023 1130	41	166	46	242	20	68687981.28
11/08/2023 1145	42	170	43	245	20	69891068.22
11/08/2023 1200	42	175	40	248	20	70619888.46
11/08/2023 1215	42	180	37	251	20	70861769.75
11/08/2023 1230	42	185	34	253	20	70611816.71
11/08/2023 1245	42	190	31	256	20	69875082.34
11/08/2023 1300	41	194	28	258	20	68664323.36
11/08/2023 1315	40	199	24	260	20	66993351.47
11/08/2023 1330	39	203	21	262	20	64867566.77
11/08/2023 1345	38	208	18	264	20	62277915.84
11/08/2023 1400	36	212	15	266	19	59208675.81
11/08/2023 1415	34	215	12	268	19	55663481.91
11/08/2023 1430	32	219	9	270	19	51693058.88
11/08/2023 1445	30	222	6	272	19	47391727.34
11/08/2023 1500	28	226	3	273	19	42853683.71
11/08/2023 1515	26	229	-1	275	19	38136912.3
11/08/2023 1530	23	232	-4	277	19	33291523.09
11/08/2023 1545	21	234	-7	279	19	28417843.06
11/08/2023 1600	18	237	-10	281	19	23644071.26
11/08/2023 1615	15	239	-13	283	19	19030965.64
11/08/2023 1630	12	242	-16	285	19	14587882.42
11/08/2023 1645	10	244	-19	287	19	10427938.72
11/08/2023 1700	7	246	-22	289	19	6741346.03
11/08/2023 1715	4	248	-25	291	18	3609780.97
11/08/2023 1730	1	250	-28	294	18	1321429.51
11/08/2023 1745	-2	252	-31	296	18	142620.34
11/08/2023 1800	-5	254	-34	299	18	6624.9
11/08/2023 1815	-9	256	-36	302	18	200.69
11/08/2023 1830	-12	257	-39	305	18	11.43

11/08/2023 1845	-15	259	-42	309	18	2.13
11/08/2023 1900	-18	261	-44	312	18	1.16
11/08/2023 1915	-21	263	-46	316	18	0.5
11/08/2023 1930	-24	264	-48	321	18	0.5
11/08/2023 1945	-28	266	-50	325	18	0.5
11/08/2023 2000	-31	268	-52	330	18	0.5
11/08/2023 2015	-34	270	-53	336	18	0.5
11/08/2023 2030	-37	272	-55	342	17	0.5
11/08/2023 2045	-40	274	-55	348	17	0.5
11/08/2023 2100	-44	276	-56	354	17	0.5
11/08/2023 2115	-47	279	-56	0	17	0.5
11/08/2023 2130	-50	281	-56	7	17	0.5
11/08/2023 2145	-53	284	-56	13	17	0.5
11/08/2023 2200	-56	287	-55	19	17	0.5
11/08/2023 2215	-59	291	-54	25	17	0.5
11/08/2023 2230	-62	295	-52	31	17	0.5
11/08/2023 2245	-65	300	-51	36	17	0.5
11/08/2023 2300	-68	306	-49	41	17	0.5
11/08/2023 2315	-70	313	-47	45	17	0.5
11/08/2023 2330	-72	322	-45	49	17	0.5
11/08/2023 2345	-74	333	-42	53	16	0.5
11/09/2023 0000	-75	346	-40	56	16	0.5
11/09/2023 0015	-76	360	-37	60	16	0.5
11/09/2023 0030	-75	14	-34	63	16	0.5
11/09/2023 0045	-74	27	-32	65	16	0.5
11/09/2023 0100	-72	38	-29	68	16	0.5
11/09/2023 0115	-70	47	-26	71	16	0.5
11/09/2023 0130	-68	54	-23	73	16	0.5
11/09/2023 0145	-65	60	-20	75	16	0.5
11/09/2023 0200	-62	65	-17	77	16	0.5
11/09/2023 0215	-59	69	-14	79	16	0.5
11/09/2023 0230	-56	73	-11	81	16	0.5
11/09/2023 0245	-53	76	-8	83	16	0.5
11/09/2023 0300	-50	79	-5	85	16	0.5
11/09/2023 0315	-47	81	-2	87	15	0.51
11/09/2023 0330	-44	84	2	89	15	0.54
11/09/2023 0345	-40	86	5	91	15	0.61
11/09/2023 0400	-37	88	8	93	15	0.69
11/09/2023 0415	-34	90	11	95	15	0.79
11/09/2023 0430	-31	92	14	97	15	0.91
11/09/2023 0445	-28	94	17	99	15	1.03
11/09/2023 0500	-24	96	20	101	15	1.15
11/09/2023 0515	-21	97	23	104	15	1.28
11/09/2023 0530	-18	99	26	106	15	2.07
11/09/2023 0545	-15	101	29	108	15	3.11
11/09/2023 0600	-12	103	32	111	15	11.81
11/09/2023 0615	-9	105	35	114	15	180.63

11/09/2023 0630	-6	106	37	117	15	5858
11/09/2023 0645	-2	108	40	120	14	129332.17
11/09/2023 0700	1	110	43	123	14	1256771.86
11/09/2023 0715	4	112	45	127	14	3492032.96
11/09/2023 0730	7	114	48	131	14	6588430.64
11/09/2023 0745	10	116	50	135	14	10239323.62
11/09/2023 0800	12	119	52	140	14	14365961.19
11/09/2023 0815	15	121	54	146	14	18781432.84
11/09/2023 0830	18	123	56	151	14	23365353.1
11/09/2023 0845	20	126	57	158	14	28106311.09
11/09/2023 0900	23	129	58	164	14	32949235.13
11/09/2023 0915	25	131	58	171	14	37768543.92
11/09/2023 0930	28	134	59	178	14	42460635.83
11/09/2023 0945	30	138	59	185	14	46973433.62
11/09/2023 1000	32	141	58	192	14	51252348.52
11/09/2023 1015	34	145	57	199	13	55207801.57
11/09/2023 1030	36	149	56	205	13	58745860.5
11/09/2023 1045	37	153	54	211	13	61811657.32
11/09/2023 1100	39	157	53	217	13	64396698.6
11/09/2023 1115	40	161	50	221	13	66514392.28
11/09/2023 1130	41	166	48	226	13	68174426.45
11/09/2023 1145	41	170	46	230	13	69373554.51
11/09/2023 1200	42	175	43	234	13	70100151.87
11/09/2023 1215	42	180	41	237	13	70342931.18
11/09/2023 1230	42	185	38	240	13	70097408.24
11/09/2023 1245	41	190	35	243	13	69368116.49
11/09/2023 1300	41	194	32	246	13	68166367.44
11/09/2023 1315	40	199	29	249	13	66503762.99
11/09/2023 1330	39	203	26	251	13	64383481.37
11/09/2023 1345	37	207	23	253	13	61795770.25
11/09/2023 1400	36	211	20	256	12	58727259.83
11/09/2023 1415	34	215	17	258	12	55186649.69
11/09/2023 1430	32	219	14	260	12	51229086.36
11/09/2023 1445	30	222	11	262	12	46948615.02
11/09/2023 1500	28	225	8	264	12	42434655.28
11/09/2023 1515	25	228	5	265	12	37741624.03
11/09/2023 1530	23	231	2	267	12	32921765.05
11/09/2023 1545	20	234	-2	269	12	28078998.3
11/09/2023 1600	18	237	-5	271	12	23338751.88
11/09/2023 1615	15	239	-8	273	12	18755580
11/09/2023 1630	12	241	-11	275	12	14341087.12
11/09/2023 1645	9	244	-14	277	12	10216511.81
11/09/2023 1700	7	246	-17	278	12	6568480.51
11/09/2023 1715	4	248	-21	280	12	3475509.81
11/09/2023 1730	1	250	-24	283	12	1247113.53
11/09/2023 1745	-2	252	-27	285	11	127246.91
11/09/2023 1800	-6	253	-30	287	11	5729.27

11/09/2023 1815	-9	255	-33	289	11	175.49
11/09/2023 1830	-12	257	-36	292	11	10.47
11/09/2023 1845	-15	259	-39	295	11	2.04
11/09/2023 1900	-18	261	-41	298	11	1.15
11/09/2023 1915	-21	262	-44	301	11	0.5
11/09/2023 1930	-24	264	-47	304	11	0.5
11/09/2023 1945	-28	266	-49	308	11	0.5
11/09/2023 2000	-31	268	-52	312	11	0.5
11/09/2023 2015	-34	270	-54	317	11	0.5
11/09/2023 2030	-37	272	-56	322	11	0.5
11/09/2023 2045	-40	274	-58	328	11	0.5
11/09/2023 2100	-44	276	-59	334	11	0.5
11/09/2023 2115	-47	278	-61	341	11	0.5
11/09/2023 2130	-50	281	-61	348	10	0.5
11/09/2023 2145	-53	284	-62	355	10	0.5
11/09/2023 2200	-56	287	-62	3	10	0.5
11/09/2023 2215	-59	290	-62	11	10	0.5
11/09/2023 2230	-62	294	-61	18	10	0.5
11/09/2023 2245	-65	299	-60	25	10	0.5
11/09/2023 2300	-68	305	-59	32	10	0.5
11/09/2023 2315	-70	312	-57	37	10	0.5
11/09/2023 2330	-73	321	-55	43	10	0.5
11/09/2023 2345	-74	332	-53	48	10	0.5
11/10/2023 0000	-76	345	-50	52	10	0.5
11/10/2023 0015	-76	360	-48	56	10	0.5
11/10/2023 0030	-76	14	-45	60	10	0.5
11/10/2023 0045	-74	28	-43	63	10	0.5
11/10/2023 0100	-73	39	-40	66	10	0.5
11/10/2023 0115	-71	48	-37	69	10	0.5
11/10/2023 0130	-68	55	-34	72	10	0.5
11/10/2023 0145	-65	61	-31	74	9	0.5
11/10/2023 0200	-62	66	-28	77	9	0.5
11/10/2023 0215	-59	70	-25	79	9	0.5
11/10/2023 0230	-56	73	-22	81	9	0.5
11/10/2023 0245	-53	76	-19	83	9	0.5
11/10/2023 0300	-50	79	-16	85	9	0.5
11/10/2023 0315	-47	82	-13	87	9	0.5
11/10/2023 0330	-44	84	-10	89	9	0.5
11/10/2023 0345	-41	86	-7	91	9	0.5
11/10/2023 0400	-37	88	-4	93	9	0.5
11/10/2023 0415	-34	90	-1	95	9	0.5
11/10/2023 0430	-31	92	3	97	9	0.52
11/10/2023 0445	-28	94	5	99	9	0.55
11/10/2023 0500	-25	96	8	101	9	0.58
11/10/2023 0515	-21	98	11	103	9	0.62
11/10/2023 0530	-18	99	14	105	9	1.3
11/10/2023 0545	-15	101	17	107	9	2.17

11/10/2023 0600	-12	103	20	110	8	9.76
11/10/2023 0615	-9	105	23	112	8	151.65
11/10/2023 0630	-6	107	26	115	8	4870.51
11/10/2023 0645	-3	108	29	117	8	111835.42
11/10/2023 0700	1	110	32	120	8	1168346.23
11/10/2023 0715	4	112	34	123	8	3329606.17
11/10/2023 0730	6	114	37	126	8	6380200.05
11/10/2023 0745	9	117	39	130	8	9987016.59
11/10/2023 0800	12	119	42	133	8	14073733.13
11/10/2023 0815	15	121	44	138	8	18458417.34
11/10/2023 0830	18	124	46	142	8	23011290.33
11/10/2023 0845	20	126	48	147	8	27717586.52
11/10/2023 0900	23	129	49	152	8	32529133.78
11/10/2023 0915	25	132	50	157	8	37323937.49
11/10/2023 0930	28	135	51	162	8	41994524.98
11/10/2023 0945	30	138	52	168	8	46485952.89
11/10/2023 1000	32	141	53	174	8	50746961.46
11/10/2023 1015	34	145	53	180	8	54693060.95
11/10/2023 1030	36	149	52	186	7	58230949.08
11/10/2023 1045	37	153	52	192	7	61301370.81
11/10/2023 1100	38	157	51	198	7	63890504.98
11/10/2023 1115	40	161	50	203	7	66009060.37
11/10/2023 1130	41	166	48	209	7	67667159.37
11/10/2023 1145	41	170	47	213	7	68863626.83
11/10/2023 1200	42	175	45	218	7	69588963.17
11/10/2023 1215	42	180	43	222	7	69833246.67
11/10/2023 1230	42	185	40	226	7	69592408.51
11/10/2023 1245	41	189	38	230	7	68870463.78
11/10/2023 1300	41	194	36	233	7	67677311.57
11/10/2023 1315	40	199	33	236	7	66022483.71
11/10/2023 1330	38	203	30	239	7	63907236.88
11/10/2023 1345	37	207	28	242	7	61321511.57
11/10/2023 1400	36	211	25	244	7	58254524.49
11/10/2023 1415	34	215	22	247	7	54719823.8
11/10/2023 1430	32	219	19	249	7	50776328.15
11/10/2023 1445	30	222	16	251	7	46517227.2
11/10/2023 1500	28	225	13	253	7	42027217.65
11/10/2023 1515	25	228	10	255	6	37357732.38
11/10/2023 1530	23	231	7	257	6	32563458.79
11/10/2023 1545	20	234	4	259	6	27751493.57
11/10/2023 1600	18	236	1	261	6	23044080.03
11/10/2023 1615	15	239	-3	263	6	18490007.49
11/10/2023 1630	12	241	-6	265	6	14103718.76
11/10/2023 1645	9	243	-9	266	6	10014015.22
11/10/2023 1700	6	245	-12	268	6	6403335.01
11/10/2023 1715	4	247	-15	270	6	3348185.18
11/10/2023 1730	1	249	-18	272	6	1178580.53

11/10/2023 1745	-3	251	-21	274	6	113838.47
11/10/2023 1800	-6	253	-25	276	6	4981.89
11/10/2023 1815	-9	255	-28	278	6	154.53
11/10/2023 1830	-12	257	-31	280	6	9.64
11/10/2023 1845	-15	259	-34	282	6	1.97
11/10/2023 1900	-18	260	-37	284	6	1.14
11/10/2023 1915	-21	262	-40	287	6	0.5
11/10/2023 1930	-25	264	-43	289	6	0.5
11/10/2023 1945	-28	266	-46	292	6	0.5
11/10/2023 2000	-31	268	-49	295	6	0.5
11/10/2023 2015	-34	269	-51	299	5	0.5
11/10/2023 2030	-37	271	-54	303	5	0.5
11/10/2023 2045	-41	273	-57	307	5	0.5
11/10/2023 2100	-44	276	-59	312	5	0.5
11/10/2023 2115	-47	278	-61	317	5	0.5
11/10/2023 2130	-50	280	-63	324	5	0.5
11/10/2023 2145	-53	283	-65	331	5	0.5
11/10/2023 2200	-56	286	-66	339	5	0.5
11/10/2023 2215	-59	290	-67	348	5	0.5
11/10/2023 2230	-62	294	-68	357	5	0.5
11/10/2023 2245	-65	299	-68	6	5	0.5
11/10/2023 2300	-68	304	-67	15	5	0.5
11/10/2023 2315	-71	312	-66	24	5	0.5
11/10/2023 2330	-73	321	-65	32	5	0.5
11/10/2023 2345	-75	332	-63	39	5	0.5
11/11/2023 0000	-76	345	-61	45	5	0.5
11/11/2023 0015	-76	360	-59	51	5	0.5
11/11/2023 0030	-76	15	-57	56	5	0.5
11/11/2023 0045	-75	28	-54	60	5	0.5
11/11/2023 0100	-73	39	-51	64	5	0.5
11/11/2023 0115	-71	48	-48	67	5	0.5
11/11/2023 0130	-68	55	-46	70	5	0.5
11/11/2023 0145	-65	61	-43	73	4	0.5
11/11/2023 0200	-63	66	-40	76	4	0.5
11/11/2023 0215	-60	70	-37	78	4	0.5
11/11/2023 0230	-57	74	-34	81	4	0.5
11/11/2023 0245	-53	77	-31	83	4	0.5
11/11/2023 0300	-50	80	-28	85	4	0.5
11/11/2023 0315	-47	82	-25	87	4	0.5
11/11/2023 0330	-44	84	-22	89	4	0.5
11/11/2023 0345	-41	87	-19	91	4	0.5
11/11/2023 0400	-38	89	-15	93	4	0.5
11/11/2023 0415	-34	91	-12	95	4	0.5
11/11/2023 0430	-31	93	-9	97	4	0.5
11/11/2023 0445	-28	94	-6	99	4	0.5
11/11/2023 0500	-25	96	-3	100	4	0.5
11/11/2023 0515	-22	98	0	102	4	0.5

11/11/2023 0530	-18	100	3	104	4	1.13
11/11/2023 0545	-15	101	6	106	4	1.88
11/11/2023 0600	-12	103	9	108	4	8.55
11/11/2023 0615	-9	105	12	111	4	127.99
11/11/2023 0630	-6	107	15	113	4	4044.6
11/11/2023 0645	-3	109	17	115	4	96377.46
11/11/2023 0700	1	111	20	117	4	1084489.81
11/11/2023 0715	3	113	23	120	4	3170219
11/11/2023 0730	6	115	26	123	4	6174222.82
11/11/2023 0745	9	117	28	126	3	9737248.89
11/11/2023 0800	12	119	31	129	3	13783627.63
11/11/2023 0815	15	121	33	132	3	18137384.41
11/11/2023 0830	17	124	35	135	3	22659840.34
11/11/2023 0845	20	126	37	139	3	27331969.93
11/11/2023 0900	23	129	39	143	3	32112075.96
11/11/2023 0915	25	132	41	147	3	36882353.3
11/11/2023 0930	27	135	43	151	3	41531909.54
11/11/2023 0945	30	138	44	156	3	46002518.9
11/11/2023 1000	32	141	45	161	3	50245598.34
11/11/2023 1015	34	145	46	166	3	54181709.27
11/11/2023 1030	35	149	46	171	3	57718783.89
11/11/2023 1045	37	153	47	176	3	60793811.45
11/11/2023 1100	38	157	47	181	3	63387815.37
11/11/2023 1115	39	161	47	186	3	65508539.06
11/11/2023 1130	40	166	46	192	3	67166136.71
11/11/2023 1145	41	170	45	197	3	68361205.03
11/11/2023 1200	41	175	44	201	3	69086229.67
11/11/2023 1215	41	180	43	206	3	69332618.85
11/11/2023 1230	41	185	41	210	3	69096718.95
11/11/2023 1245	41	189	39	215	3	68382037.25
11/11/2023 1300	40	194	38	218	3	67197112.42
11/11/2023 1315	39	199	35	222	3	65549563.36
11/11/2023 1330	38	203	33	225	3	63439022.49
11/11/2023 1345	37	207	31	229	3	60855475
11/11/2023 1400	35	211	28	232	3	57790889.33
11/11/2023 1415	34	215	26	235	3	54263396.3
11/11/2023 1430	32	218	23	237	3	50335059.67
11/11/2023 1445	30	222	21	240	2	46097723.57
11/11/2023 1500	27	225	18	242	2	41631488.04
11/11/2023 1515	25	228	15	244	2	36985362.93
11/11/2023 1530	23	231	12	246	2	32216707.82
11/11/2023 1545	20	234	9	249	2	27435362.83
11/11/2023 1600	17	236	6	251	2	22760048.08
11/11/2023 1615	15	239	3	252	2	18234259.57
11/11/2023 1630	12	241	1	254	2	13875779.69
11/11/2023 1645	9	243	-3	256	2	9820372.51
11/11/2023 1700	6	245	-6	258	2	6245806.98

11/11/2023 1715	3	247	-9	260	2	3227694.67
11/11/2023 1730	1	249	-12	261	2	1115493.61
11/11/2023 1745	-3	251	-15	263	2	102149.2
11/11/2023 1800	-6	253	-18	265	2	4356.62
11/11/2023 1815	-9	255	-21	267	2	137.02
11/11/2023 1830	-12	257	-25	268	2	8.92
11/11/2023 1845	-15	258	-28	270	2	1.91
11/11/2023 1900	-18	260	-31	272	2	1.13
11/11/2023 1915	-21	262	-34	274	2	0.5
11/11/2023 1930	-25	264	-37	276	2	0.5
11/11/2023 1945	-28	265	-40	278	2	0.5
11/11/2023 2000	-31	267	-43	280	2	0.5
11/11/2023 2015	-34	269	-46	283	2	0.5
11/11/2023 2030	-37	271	-49	285	2	0.5
11/11/2023 2045	-41	273	-52	288	2	0.5
11/11/2023 2100	-44	275	-55	292	2	0.5
11/11/2023 2115	-47	277	-58	295	2	0.5
11/11/2023 2130	-50	280	-61	299	2	0.5
11/11/2023 2145	-53	283	-63	304	2	0.5
11/11/2023 2200	-57	286	-66	310	2	0.5
11/11/2023 2215	-60	289	-68	317	2	0.5
11/11/2023 2230	-63	293	-70	325	2	0.5
11/11/2023 2245	-65	298	-72	334	2	0.5
11/11/2023 2300	-68	304	-73	345	2	0.5
11/11/2023 2315	-71	311	-73	357	1	0.5
11/11/2023 2330	-73	320	-73	9	1	0.5
11/11/2023 2345	-75	331	-73	21	1	0.5
11/12/2023 0000	-76	345	-71	31	1	0.5
11/12/2023 0015	-77	360	-70	40	1	0.5
11/12/2023 0030	-76	15	-68	48	1	0.5
11/12/2023 0045	-75	28	-65	54	1	0.5
11/12/2023 0100	-73	40	-63	59	1	0.5
11/12/2023 0115	-71	49	-60	64	1	0.5
11/12/2023 0130	-68	56	-57	68	1	0.5
11/12/2023 0145	-66	62	-54	72	1	0.5
11/12/2023 0200	-63	67	-51	75	1	0.5
11/12/2023 0215	-60	71	-48	77	1	0.5
11/12/2023 0230	-57	74	-46	80	1	0.5
11/12/2023 0245	-54	77	-42	82	1	0.5
11/12/2023 0300	-50	80	-39	85	1	0.5
11/12/2023 0315	-47	83	-36	87	1	0.5
11/12/2023 0330	-44	85	-33	89	1	0.5
11/12/2023 0345	-41	87	-30	91	1	0.5
11/12/2023 0400	-38	89	-27	93	1	0.5
11/12/2023 0415	-34	91	-24	94	1	0.5
11/12/2023 0430	-31	93	-21	96	1	0.5
11/12/2023 0445	-28	95	-18	98	1	0.5

11/12/2023 0500	-25	96	-15	100	1	0.5
11/12/2023 0515	-22	98	-12	102	1	0.5
11/12/2023 0530	-19	100	-9	103	1	1.11
11/12/2023 0545	-15	102	-6	105	1	1.79
11/12/2023 0600	-12	103	-3	107	1	7.68
11/12/2023 0615	-9	105	0	109	1	108.41
11/12/2023 0630	-6	107	3	111	1	3355.36
11/12/2023 0645	-3	109	6	113	1	82782.8
11/12/2023 0700	1	111	9	115	1	1005186.03
11/12/2023 0715	3	113	11	117	1	3014095.61
11/12/2023 0730	6	115	14	120	1	5970604.18
11/12/2023 0745	9	117	17	122	1	9490170.9
11/12/2023 0800	12	119	19	124	1	13495854.33
11/12/2023 0815	15	121	22	127	1	17818508.42
11/12/2023 0830	17	124	24	130	1	22311164.56
11/12/2023 0845	20	126	26	133	1	26949687.12
11/12/2023 0900	22	129	29	136	1	31698344.72
11/12/2023 0915	25	132	31	139	1	36444063.04
11/12/2023 0930	27	135	33	143	1	41073034.96
11/12/2023 0945	29	138	34	146	1	45523418
11/12/2023 1000	31	142	36	150	1	49748651.06
11/12/2023 1015	33	145	37	154	1	53674225.36
11/12/2023 1030	35	149	39	158	1	57209835.7
11/12/2023 1045	37	153	40	163	1	60289342.55
11/12/2023 1100	38	157	40	167	1	62888841.26
11/12/2023 1115	39	161	41	172	1	65012904
11/12/2023 1130	40	166	41	176	1	66671344
11/12/2023 1145	41	170	41	181	0	67866228.17
11/12/2023 1200	41	175	41	186	0	68591871.3
11/12/2023 1215	41	180	41	190	0	68840961.28
11/12/2023 1230	41	185	40	195	0	68610255.57
11/12/2023 1245	41	189	39	199	0	67902772.39
11/12/2023 1300	40	194	38	203	0	66725757.87
11/12/2023 1315	39	198	36	207	0	65085087.56
11/12/2023 1330	38	203	35	211	0	62979058.29
11/12/2023 1345	37	207	33	215	0	60398010.03
11/12/2023 1400	35	211	31	218	0	57336765.4
11/12/2023 1415	33	215	29	221	0	53817734
11/12/2023 1430	31	218	27	224	0	49905529.58
11/12/2023 1445	29	222	25	227	0	45690247.44
11/12/2023 1500	27	225	22	230	0	41247576.36
11/12/2023 1515	25	228	20	233	0	36624632.66
11/12/2023 1530	22	231	17	235	0	31881601.74
11/12/2023 1545	20	233	14	238	0	27130628
11/12/2023 1600	17	236	12	240	0	22486643.59
11/12/2023 1615	15	238	9	242	0	17988343.28
11/12/2023 1630	12	241	6	244	0	13657261.8

11/12/2023 1645	9	243	4	246	0	9635499.87
11/12/2023 1700	6	245	1	248	0	6095793.85
11/12/2023 1715	3	247	-2	250	0	3113915.29
11/12/2023 1730	1	249	-5	251	0	1057517.98
11/12/2023 1745	-3	251	-8	253	0	91961.61
11/12/2023 1800	-6	253	-11	255	0	3832.13
11/12/2023 1815	-9	255	-14	257	0	122.34
11/12/2023 1830	-12	256	-18	258	0	8.3
11/12/2023 1845	-15	258	-21	260	0	1.85
11/12/2023 1900	-18	260	-24	261	0	1.12
11/12/2023 1915	-22	262	-27	263	0	0.5
11/12/2023 1930	-25	263	-30	265	0	0.5
11/12/2023 1945	-28	265	-33	266	0	0.5
11/12/2023 2000	-31	267	-36	268	0	0.5
11/12/2023 2015	-34	269	-39	270	0	0.5
11/12/2023 2030	-38	271	-42	272	0	0.5
11/12/2023 2045	-41	273	-45	274	0	0.5
11/12/2023 2100	-44	275	-48	276	0	0.5
11/12/2023 2115	-47	277	-51	278	0	0.5
11/12/2023 2130	-50	280	-54	280	0	0.5
11/12/2023 2145	-54	282	-57	283	0	0.5
11/12/2023 2200	-57	285	-60	286	0	0.5
11/12/2023 2215	-60	289	-63	290	0	0.5
11/12/2023 2230	-63	293	-66	294	0	0.5
11/12/2023 2245	-66	297	-69	299	0	0.5
11/12/2023 2300	-68	303	-72	305	0	0.5
11/12/2023 2315	-71	310	-74	313	0	0.5
11/12/2023 2330	-73	319	-76	324	0	0.5
11/12/2023 2345	-75	331	-78	337	0	0.5
11/13/2023 0000	-76	344	-79	353	0	0.5
11/13/2023 0015	-77	359	-78	10	0	0.5
11/13/2023 0030	-76	15	-78	26	0	0.5
11/13/2023 0045	-75	29	-76	39	0	0.5
11/13/2023 0100	-73	40	-74	49	0	0.5
11/13/2023 0115	-71	49	-72	57	0	0.5
11/13/2023 0130	-69	56	-69	63	0	0.5
11/13/2023 0145	-66	62	-66	68	0	0.5
11/13/2023 0200	-63	67	-63	72	0	0.5
11/13/2023 0215	-60	71	-60	76	0	0.5
11/13/2023 0230	-57	75	-57	79	0	0.5
11/13/2023 0245	-54	78	-54	82	0	0.5
11/13/2023 0300	-51	80	-51	84	0	0.5
11/13/2023 0315	-47	83	-48	86	0	0.5
11/13/2023 0330	-44	85	-45	88	0	0.5
11/13/2023 0345	-41	87	-42	90	0	0.5
11/13/2023 0400	-38	89	-39	92	0	0.5
11/13/2023 0415	-35	91	-36	94	0	0.5

11/13/2023 0430	-31	93	-33	96	0	0.5
11/13/2023 0445	-28	95	-30	97	0	0.5
11/13/2023 0500	-25	97	-27	99	0	0.5
11/13/2023 0515	-22	98	-24	101	0	0.5
11/13/2023 0530	-19	100	-21	102	0	1.09
11/13/2023 0545	-16	102	-18	104	0	1.71
11/13/2023 0600	-12	104	-15	106	0	6.93
11/13/2023 0615	-9	105	-12	107	0	92.04
11/13/2023 0630	-6	107	-9	109	0	2781.36
11/13/2023 0645	-3	109	-6	111	0	70880.49
11/13/2023 0700	0	111	-4	113	0	930373.59
11/13/2023 0715	3	113	0	115	0	2861462.89
11/13/2023 0730	6	115	2	117	0	5769452.93
11/13/2023 0745	9	117	5	119	0	9245927.08
11/13/2023 0800	12	119	8	121	0	13210623.76
11/13/2023 0815	14	122	10	123	0	17501969.46
11/13/2023 0830	17	124	13	125	0	21965423.87
11/13/2023 0845	20	127	15	128	0	26570958.31
11/13/2023 0900	22	129	18	130	0	31288221.86
11/13/2023 0915	25	132	20	133	0	36009343.23
11/13/2023 0930	27	135	22	136	0	40618148.8
11/13/2023 0945	29	138	24	138	0	45048928.44
11/13/2023 1000	31	142	26	142	0	49256497.13
11/13/2023 1015	33	145	28	145	0	53171080.07
11/13/2023 1030	35	149	30	148	0	56704584.5
11/13/2023 1045	36	153	31	152	0	59788354.84
11/13/2023 1100	38	157	33	155	0	62393831.97
11/13/2023 1115	39	161	34	159	0	64522269.21
11/13/2023 1130	40	166	35	163	0	66182798.93
11/13/2023 1145	40	170	35	167	0	67378659.66
11/13/2023 1200	41	175	36	171	0	68105826.64
11/13/2023 1215	41	180	36	175	0	68358204.72
11/13/2023 1230	41	185	36	180	0	68132954.67
11/13/2023 1245	40	189	36	184	0	67432631.29
11/13/2023 1300	40	194	36	188	0	66263268.9
11/13/2023 1315	39	198	35	192	0	64629176.79
11/13/2023 1330	38	203	35	196	0	62527591.73
11/13/2023 1345	36	207	34	200	0	59949475.87
11/13/2023 1400	35	211	32	204	0	56892552.24
11/13/2023 1415	33	214	31	207	0	53383178.43
11/13/2023 1430	31	218	29	211	0	49487962.05
11/13/2023 1445	29	221	28	214	0	45294928.21
11/13/2023 1500	27	225	26	217	0	40875586.22
11/13/2023 1515	25	228	24	220	0	36275650.3
11/13/2023 1530	22	230	22	223	0	31558217.23
11/13/2023 1545	20	233	19	226	0	26837300.72
11/13/2023 1600	17	236	17	228	0	22223850.58

11/13/2023 1615	14	238	15	231	0	17752261.68
11/13/2023 1630	12	240	12	233	0	13448147.59
11/13/2023 1645	9	243	10	235	0	9459307.93
11/13/2023 1700	6	245	7	238	0	5953193.61
11/13/2023 1715	3	247	5	240	0	3006714.55
11/13/2023 1730	1	249	2	242	0	1004325.12
11/13/2023 1745	-3	251	-1	243	0	83084.24
11/13/2023 1800	-6	252	-4	245	0	3391
11/13/2023 1815	-9	254	-7	247	0	109.97
11/13/2023 1830	-12	256	-10	249	1	7.77
11/13/2023 1845	-15	258	-13	250	1	1.8
11/13/2023 1900	-18	260	-15	252	1	1.11
11/13/2023 1915	-22	261	-18	253	1	0.5
11/13/2023 1930	-25	263	-21	255	1	0.5
11/13/2023 1945	-28	265	-24	256	1	0.5
11/13/2023 2000	-31	267	-27	258	1	0.5
11/13/2023 2015	-34	268	-30	259	1	0.5
11/13/2023 2030	-38	270	-34	261	1	0.5
11/13/2023 2045	-41	272	-37	262	1	0.5
11/13/2023 2100	-44	274	-40	264	1	0.5
11/13/2023 2115	-47	277	-43	266	1	0.5
11/13/2023 2130	-50	279	-46	267	1	0.5
11/13/2023 2145	-54	282	-49	269	1	0.5
11/13/2023 2200	-57	285	-52	271	1	0.5
11/13/2023 2215	-60	288	-55	273	1	0.5
11/13/2023 2230	-63	292	-58	275	1	0.5
11/13/2023 2245	-66	297	-61	277	1	0.5
11/13/2023 2300	-69	303	-64	280	1	0.5
11/13/2023 2315	-71	310	-67	283	1	0.5
11/13/2023 2330	-73	319	-70	287	1	0.5
11/13/2023 2345	-75	330	-73	291	1	0.5
11/14/2023 0000	-77	344	-76	297	1	0.5
11/14/2023 0015	-77	359	-78	306	1	0.5
11/14/2023 0030	-77	15	-81	319	1	0.5
11/14/2023 0045	-75	29	-82	339	1	0.5
11/14/2023 0100	-74	40	-83	4	1	0.5
11/14/2023 0115	-71	50	-82	28	1	0.5
11/14/2023 0130	-69	57	-80	46	1	0.5
11/14/2023 0145	-66	63	-78	57	1	0.5
11/14/2023 0200	-63	67	-75	65	1	0.5
11/14/2023 0215	-60	72	-72	71	1	0.5
11/14/2023 0230	-57	75	-69	76	1	0.5
11/14/2023 0245	-54	78	-67	79	1	0.5
11/14/2023 0300	-51	81	-64	82	1	0.5
11/14/2023 0315	-48	83	-61	85	1	0.5
11/14/2023 0330	-44	85	-57	87	1	0.5
11/14/2023 0345	-41	88	-54	89	1	0.5

11/14/2023 0400	-38	90	-51	91	1	0.5
11/14/2023 0415	-35	91	-48	93	1	0.5
11/14/2023 0430	-32	93	-45	95	1	0.5
11/14/2023 0445	-28	95	-42	96	1	0.5
11/14/2023 0500	-25	97	-39	98	1	0.5
11/14/2023 0515	-22	99	-36	99	1	0.5
11/14/2023 0530	-19	100	-33	101	1	1.08
11/14/2023 0545	-16	102	-30	102	1	1.65
11/14/2023 0600	-13	104	-27	104	1	6.27
11/14/2023 0615	-9	106	-24	106	1	78.33
11/14/2023 0630	-6	107	-21	107	2	2304.32
11/14/2023 0645	-3	109	-18	109	2	60505.8
11/14/2023 0700	0	111	-16	110	2	859942.29
11/14/2023 0715	3	113	-13	112	2	2712547.5
11/14/2023 0730	6	115	-10	114	2	5570881.74
11/14/2023 0745	9	117	-7	115	2	9004655.26
11/14/2023 0800	11	120	-4	117	2	12928145.68
11/14/2023 0815	14	122	-2	119	2	17187952.53
11/14/2023 0830	17	124	1	121	2	21622778.49
11/14/2023 0845	19	127	4	123	2	26195997.44
11/14/2023 0900	22	130	6	125	2	30881986.37
11/14/2023 0915	24	132	9	127	2	35578474.04
11/14/2023 0930	27	135	11	129	2	40167500.83
11/14/2023 0945	29	139	13	132	2	44579321.07
11/14/2023 1000	31	142	16	134	2	48769499.23
11/14/2023 1015	33	145	18	137	2	52672733.65
11/14/2023 1030	35	149	20	139	2	56203515.32
11/14/2023 1045	36	153	22	142	2	59291262.35
11/14/2023 1100	37	157	24	145	2	61903072.33
11/14/2023 1115	39	161	25	148	2	64036787.26
11/14/2023 1130	39	166	27	152	2	65700554.05
11/14/2023 1145	40	170	28	155	2	66898491.63
11/14/2023 1200	41	175	29	158	2	67628058.25
11/14/2023 1215	41	180	30	162	2	67884302.64
11/14/2023 1230	41	184	31	166	2	67664777.73
11/14/2023 1245	40	189	32	170	2	66971606.11
11/14/2023 1300	40	194	32	173	2	65809700.81
11/14/2023 1315	39	198	33	177	2	64181985.09
11/14/2023 1330	38	202	33	181	2	62084894.24
11/14/2023 1345	36	207	32	185	2	59510237.92
11/14/2023 1400	35	210	32	189	2	56458636.08
11/14/2023 1415	33	214	31	193	2	52960046.89
11/14/2023 1430	31	218	31	196	3	49082559.79
11/14/2023 1445	29	221	30	200	3	44911884.23
11/14/2023 1500	27	224	28	204	3	40515616.45
11/14/2023 1515	25	227	27	207	3	35938517.19
11/14/2023 1530	22	230	26	210	3	31246619.66

11/14/2023 1545	20	233	24	213	3	2655384.58
11/14/2023 1600	17	235	22	216	3	21971651.12
11/14/2023 1615	14	238	20	219	3	17526014.69
11/14/2023 1630	12	240	18	222	3	13248411.68
11/14/2023 1645	9	242	16	224	3	9291703.86
11/14/2023 1700	6	244	14	227	3	5817905.67
11/14/2023 1715	3	247	11	229	3	2905951.95
11/14/2023 1730	0	248	9	231	3	955596.61
11/14/2023 1745	-3	250	7	233	3	75349.28
11/14/2023 1800	-6	252	4	236	3	3019.03
11/14/2023 1815	-9	254	2	237	3	99.52
11/14/2023 1830	-12	256	-1	239	3	7.3
11/14/2023 1845	-15	258	-4	241	3	1.75
11/14/2023 1900	-19	259	-7	243	3	1.1
11/14/2023 1915	-22	261	-9	245	3	0.5
11/14/2023 1930	-25	263	-12	246	3	0.5
11/14/2023 1945	-28	265	-15	248	3	0.5
11/14/2023 2000	-31	266	-18	249	3	0.5
11/14/2023 2015	-35	268	-21	251	3	0.5
11/14/2023 2030	-38	270	-24	252	3	0.5
11/14/2023 2045	-41	272	-27	254	3	0.5
11/14/2023 2100	-44	274	-30	255	4	0.5
11/14/2023 2115	-47	276	-33	256	4	0.5
11/14/2023 2130	-51	279	-36	258	4	0.5
11/14/2023 2145	-54	281	-39	259	4	0.5
11/14/2023 2200	-57	284	-42	260	4	0.5
11/14/2023 2215	-60	288	-45	262	4	0.5
11/14/2023 2230	-63	292	-48	263	4	0.5
11/14/2023 2245	-66	296	-51	265	4	0.5
11/14/2023 2300	-69	302	-54	266	4	0.5
11/14/2023 2315	-71	309	-57	268	4	0.5
11/14/2023 2330	-74	318	-60	270	4	0.5
11/14/2023 2345	-76	329	-63	271	4	0.5
11/15/2023 0000	-77	343	-66	274	4	0.5
11/15/2023 0015	-77	359	-69	276	4	0.5
11/15/2023 0030	-77	15	-72	279	4	0.5
11/15/2023 0045	-76	29	-75	282	4	0.5
11/15/2023 0100	-74	41	-78	288	4	0.5
11/15/2023 0115	-72	50	-81	295	4	0.5
11/15/2023 0130	-69	57	-83	309	4	0.5
11/15/2023 0145	-66	63	-85	335	4	0.5
11/15/2023 0200	-63	68	-86	17	4	0.5
11/15/2023 0215	-60	72	-84	47	4	0.5
11/15/2023 0230	-57	75	-82	63	4	0.5
11/15/2023 0245	-54	78	-79	72	5	0.5
11/15/2023 0300	-51	81	-76	77	5	0.5
11/15/2023 0315	-48	83	-73	81	5	0.5

11/15/2023 0330	-45	86	-70	84	5	0.5
11/15/2023 0345	-41	88	-67	87	5	0.5
11/15/2023 0400	-38	90	-64	89	5	0.5
11/15/2023 0415	-35	92	-61	91	5	0.5
11/15/2023 0430	-32	94	-58	93	5	0.5
11/15/2023 0445	-29	95	-55	94	5	0.5
11/15/2023 0500	-25	97	-52	96	5	0.5
11/15/2023 0515	-22	99	-49	97	5	0.5
11/15/2023 0530	-19	101	-46	99	5	1.07
11/15/2023 0545	-16	102	-43	100	5	1.59
11/15/2023 0600	-13	104	-40	101	5	5.7
11/15/2023 0615	-10	106	-37	103	5	66.83
11/15/2023 0630	-7	108	-34	104	5	1908.61
11/15/2023 0645	-3	110	-31	106	5	51501.58
11/15/2023 0700	0	111	-28	107	5	793729.21
11/15/2023 0715	3	113	-25	109	5	2567572.46
11/15/2023 0730	6	115	-22	110	5	5375007.19
11/15/2023 0745	8	118	-19	111	6	8766485.91
11/15/2023 0800	11	120	-16	113	6	12648627.33
11/15/2023 0815	14	122	-13	115	6	16876646.68
11/15/2023 0830	17	124	-11	116	6	21283387.91
11/15/2023 0845	19	127	-8	118	6	25825011.41
11/15/2023 0900	22	130	-5	120	6	30479912.72
11/15/2023 0915	24	133	-3	121	6	35151737.9
11/15/2023 0930	26	135	0	123	6	39721342.92
11/15/2023 0945	29	139	3	125	6	44114859.9
11/15/2023 1000	31	142	5	127	6	48288004.97
11/15/2023 1015	33	146	8	129	6	52179633.54
11/15/2023 1030	34	149	10	131	6	55707114.12
11/15/2023 1045	36	153	12	134	6	58798498.08
11/15/2023 1100	37	157	14	136	6	61416879.65
11/15/2023 1115	38	162	16	139	6	63556648.49
11/15/2023 1130	39	166	18	141	6	65224698.21
11/15/2023 1145	40	170	20	144	6	66425748.11
11/15/2023 1200	40	175	22	147	6	67158556.85
11/15/2023 1215	40	180	24	150	7	67419235.54
11/15/2023 1230	40	184	25	153	7	67205715.21
11/15/2023 1245	40	189	26	156	7	66519721.55
11/15/2023 1300	39	194	27	160	7	65365143.58
11/15/2023 1315	38	198	28	163	7	63743698.17
11/15/2023 1330	37	202	29	167	7	61651258.06
11/15/2023 1345	36	206	30	170	7	59080664.74
11/15/2023 1400	34	210	30	174	7	56035388.91
11/15/2023 1415	33	214	30	178	7	52548634.23
11/15/2023 1430	31	218	30	182	7	48689507.36
11/15/2023 1445	29	221	30	185	7	44541225.77
11/15/2023 1500	27	224	30	189	7	40167762.88

11/15/2023 1515	24	227	29	193	7	35613328.67
11/15/2023 1530	22	230	28	196	7	30946865.23
11/15/2023 1545	19	233	27	200	7	26284877.66
11/15/2023 1600	17	235	26	203	7	21730027.08
11/15/2023 1615	14	238	25	206	7	17309600.29
11/15/2023 1630	11	240	24	209	8	13058022.71
11/15/2023 1645	9	242	22	212	8	9132593.49
11/15/2023 1700	6	244	20	215	8	5689831.86
11/15/2023 1715	3	246	18	218	8	2811480.84
11/15/2023 1730	0	248	16	221	8	911027.52
11/15/2023 1745	-3	250	14	223	8	68610.37
11/15/2023 1800	-6	252	12	226	8	2704.71
11/15/2023 1815	-9	254	10	228	8	90.74
11/15/2023 1830	-12	256	8	230	8	6.97
11/15/2023 1845	-16	257	5	232	8	1.76
11/15/2023 1900	-19	259	3	234	8	1.12
11/15/2023 1915	-22	261	1	236	8	0.51
11/15/2023 1930	-25	262	-3	238	8	0.5
11/15/2023 1945	-28	264	-5	240	8	0.5
11/15/2023 2000	-31	266	-8	241	8	0.5
11/15/2023 2015	-35	268	-11	243	8	0.5
11/15/2023 2030	-38	270	-13	245	9	0.5
11/15/2023 2045	-41	272	-16	246	9	0.5
11/15/2023 2100	-44	274	-19	248	9	0.5
11/15/2023 2115	-47	276	-22	249	9	0.5
11/15/2023 2130	-51	278	-25	250	9	0.5
11/15/2023 2145	-54	281	-28	252	9	0.5
11/15/2023 2200	-57	284	-31	253	9	0.5
11/15/2023 2215	-60	287	-33	255	9	0.5
11/15/2023 2230	-63	291	-36	256	9	0.5
11/15/2023 2245	-66	296	-39	257	9	0.5
11/15/2023 2300	-69	301	-42	258	9	0.5
11/15/2023 2315	-71	308	-45	260	9	0.5
11/15/2023 2330	-74	317	-48	261	9	0.5
11/15/2023 2345	-76	329	-51	262	9	0.5
11/16/2023 0000	-77	343	-54	264	9	0.5
11/16/2023 0015	-78	359	-57	265	9	0.5
11/16/2023 0030	-77	15	-60	267	10	0.5
11/16/2023 0045	-76	30	-64	268	10	0.5
11/16/2023 0100	-74	41	-67	270	10	0.5
11/16/2023 0115	-72	51	-70	272	10	0.5
11/16/2023 0130	-69	58	-73	274	10	0.5
11/16/2023 0145	-66	64	-76	277	10	0.5
11/16/2023 0200	-63	68	-79	281	10	0.5
11/16/2023 0215	-60	72	-82	287	10	0.5
11/16/2023 0230	-57	76	-84	299	10	0.5
11/16/2023 0245	-54	79	-87	327	10	0.5

11/16/2023 0300	-51	81	-87	25	10	0.5
11/16/2023 0315	-48	84	-85	58	10	0.5
11/16/2023 0330	-45	86	-82	71	10	0.5
11/16/2023 0345	-41	88	-79	78	10	0.5
11/16/2023 0400	-38	90	-76	82	11	0.5
11/16/2023 0415	-35	92	-73	85	11	0.5
11/16/2023 0430	-32	94	-70	88	11	0.5
11/16/2023 0445	-29	96	-67	90	11	0.5
11/16/2023 0500	-25	97	-64	92	11	0.5
11/16/2023 0515	-22	99	-61	93	11	0.5
11/16/2023 0530	-19	101	-58	95	11	1.06
11/16/2023 0545	-16	103	-55	96	11	1.53
11/16/2023 0600	-13	104	-52	98	11	5.19
11/16/2023 0615	-10	106	-49	99	11	57.18
11/16/2023 0630	-7	108	-46	100	11	1580.88
11/16/2023 0645	-4	110	-43	101	11	43719.38
11/16/2023 0700	0	112	-40	103	11	731515.84
11/16/2023 0715	3	114	-37	104	11	2426753.65
11/16/2023 0730	5	116	-34	105	12	5181949.68
11/16/2023 0745	8	118	-31	107	12	8531541.51
11/16/2023 0800	11	120	-28	108	12	12372271.68
11/16/2023 0815	14	122	-25	109	12	16568243.83
11/16/2023 0830	16	125	-22	111	12	20947410.63
11/16/2023 0845	19	127	-20	112	12	25458199.49
11/16/2023 0900	22	130	-17	114	12	30082269.39
11/16/2023 0915	24	133	-14	115	12	34729418.04
11/16/2023 0930	26	136	-11	117	12	39279928.67
11/16/2023 0945	28	139	-8	119	12	43655802.7
11/16/2023 1000	30	142	-6	120	12	47812346.83
11/16/2023 1015	32	146	-3	122	12	51692212.31
11/16/2023 1030	34	149	0	124	12	55215863.89
11/16/2023 1045	36	153	2	126	13	58310509.29
11/16/2023 1100	37	157	5	128	13	60935599.99
11/16/2023 1115	38	162	7	130	13	63082079.16
11/16/2023 1130	39	166	9	132	13	64755356.73
11/16/2023 1145	40	170	12	134	13	65960486.88
11/16/2023 1200	40	175	14	137	13	66697344.07
11/16/2023 1215	40	180	16	139	13	66963013.96
11/16/2023 1230	40	184	18	142	13	66755788.86
11/16/2023 1245	40	189	20	144	13	66077035.8
11/16/2023 1300	39	193	21	147	13	64929721.16
11/16/2023 1315	38	198	23	150	13	63314530.94
11/16/2023 1330	37	202	24	153	13	61226992.66
11/16/2023 1345	36	206	26	157	13	58661125.15
11/16/2023 1400	34	210	27	160	14	55623167.77
11/16/2023 1415	33	214	28	163	14	52149214.68
11/16/2023 1430	31	217	29	167	14	48308974.25

11/16/2023 1445	29	221	29	170	14	44183057.51
11/16/2023 1500	26	224	30	174	14	39832119.67
11/16/2023 1515	24	227	30	178	14	35300175.27
11/16/2023 1530	22	230	30	181	14	30659002.95
11/16/2023 1545	19	232	30	185	14	26025774.87
11/16/2023 1600	17	235	29	189	14	21498961.76
11/16/2023 1615	14	237	29	192	14	17103015.64
11/16/2023 1630	11	240	28	196	14	12876945.18
11/16/2023 1645	9	242	27	199	14	8981883.45
11/16/2023 1700	6	244	26	203	15	5568877.36
11/16/2023 1715	3	246	25	206	15	2723150.51
11/16/2023 1730	0	248	23	209	15	870329.36
11/16/2023 1745	-3	250	22	212	15	62740.48
11/16/2023 1800	-6	252	20	215	15	2438.93
11/16/2023 1815	-9	254	18	218	15	83.77
11/16/2023 1830	-12	255	16	220	15	7.12
11/16/2023 1845	-16	257	14	223	15	2.17
11/16/2023 1900	-19	259	12	225	15	1.49
11/16/2023 1915	-22	261	10	228	15	0.81
11/16/2023 1930	-25	262	8	230	15	0.73
11/16/2023 1945	-28	264	5	232	15	0.65
11/16/2023 2000	-31	266	3	234	16	0.58
11/16/2023 2015	-35	268	1	236	16	0.53
11/16/2023 2030	-38	269	-2	238	16	0.5
11/16/2023 2045	-41	271	-5	240	16	0.5
11/16/2023 2100	-44	273	-8	241	16	0.5
11/16/2023 2115	-48	276	-10	243	16	0.5
11/16/2023 2130	-51	278	-13	245	16	0.5
11/16/2023 2145	-54	281	-16	246	16	0.5
11/16/2023 2200	-57	283	-19	248	16	0.5
11/16/2023 2215	-60	287	-22	249	16	0.5
11/16/2023 2230	-63	291	-25	250	16	0.5
11/16/2023 2245	-66	295	-27	252	16	0.5
11/16/2023 2300	-69	301	-30	253	17	0.5
11/16/2023 2315	-72	308	-33	255	17	0.5
11/16/2023 2330	-74	317	-36	256	17	0.5
11/16/2023 2345	-76	328	-39	257	17	0.5
11/17/2023 0000	-77	342	-42	259	17	0.5
11/17/2023 0015	-78	359	-45	260	17	0.5
11/17/2023 0030	-77	15	-48	261	17	0.5
11/17/2023 0045	-76	30	-51	263	17	0.5
11/17/2023 0100	-74	42	-54	264	17	0.5
11/17/2023 0115	-72	51	-57	266	17	0.5
11/17/2023 0130	-69	58	-60	267	17	0.5
11/17/2023 0145	-67	64	-63	269	18	0.5
11/17/2023 0200	-64	69	-66	271	18	0.5
11/17/2023 0215	-61	73	-69	273	18	0.5

11/17/2023 0230	-58	76	-72	275	18	0.5
11/17/2023 0245	-54	79	-75	279	18	0.5
11/17/2023 0300	-51	82	-78	283	18	0.5
11/17/2023 0315	-48	84	-81	290	18	0.5
11/17/2023 0330	-45	86	-84	302	18	0.5
11/17/2023 0345	-42	88	-86	328	18	0.5
11/17/2023 0400	-38	90	-86	18	18	0.5
11/17/2023 0415	-35	92	-85	52	18	0.5
11/17/2023 0430	-32	94	-82	67	18	0.5
11/17/2023 0445	-29	96	-79	75	19	0.5
11/17/2023 0500	-26	98	-76	80	19	0.5
11/17/2023 0515	-22	99	-73	83	19	0.5
11/17/2023 0530	-19	101	-70	86	19	1.05
11/17/2023 0545	-16	103	-67	88	19	1.48
11/17/2023 0600	-13	105	-64	90	19	4.74
11/17/2023 0615	-10	106	-61	92	19	49.06
11/17/2023 0630	-7	108	-58	93	19	1309.83
11/17/2023 0645	-4	110	-55	95	19	37020.37
11/17/2023 0700	-1	112	-52	96	19	456849
11/17/2023 0715	2	114	-49	98	20	2290296.07
11/17/2023 0730	5	116	-46	99	20	4991833.21
11/17/2023 0745	8	118	-43	100	20	8299936.03
11/17/2023 0800	11	120	-40	102	20	12099275.53
11/17/2023 0815	14	122	-37	103	20	16262937.4
11/17/2023 0830	16	125	-34	104	20	20615003.72
11/17/2023 0845	19	127	-31	106	20	25095752.47
11/17/2023 0900	21	130	-28	107	20	29689316.93
11/17/2023 0915	24	133	-25	108	20	34311796.39
11/17/2023 0930	26	136	-22	110	20	38843512.53
11/17/2023 0945	28	139	-19	111	20	43202401.13
11/17/2023 1000	30	142	-16	113	21	47342842.07
11/17/2023 1015	32	146	-14	114	21	51210885.96
11/17/2023 1030	34	149	-11	116	21	54730241.03
11/17/2023 1045	35	153	-8	118	21	57827753.06
11/17/2023 1100	37	157	-5	119	21	60459604.08
11/17/2023 1115	38	162	-3	121	21	62613338.88
11/17/2023 1130	39	166	0	123	21	64292690.6
11/17/2023 1145	39	170	3	125	21	65502800.02
11/17/2023 1200	40	175	5	127	21	66244473.9
11/17/2023 1215	40	180	8	129	21	66515680
11/17/2023 1230	40	184	10	131	21	66315052.76
11/17/2023 1245	39	189	12	133	22	65643640.4
11/17/2023 1300	39	193	14	136	22	64503589.56
11/17/2023 1315	38	198	17	138	22	62894724.16
11/17/2023 1330	37	202	19	141	22	60812420.98
11/17/2023 1345	36	206	21	144	22	58251985.41
11/17/2023 1400	34	210	22	146	22	55222314.12

11/17/2023 1415	32	214	24	149	22	51762043.47
11/17/2023 1430	30	217	25	153	22	47941117.33
11/17/2023 1445	28	221	27	156	22	43837480.36
11/17/2023 1500	26	224	28	159	22	39508780.18
11/17/2023 1515	24	227	29	163	23	34999143.49
11/17/2023 1530	22	230	30	166	23	30383076.16
11/17/2023 1545	19	232	31	170	23	25778069.6
11/17/2023 1600	17	235	31	174	23	21278440.89
11/17/2023 1615	14	237	31	177	23	16906257.87
11/17/2023 1630	11	239	31	181	23	12705140.97
11/17/2023 1645	8	242	31	185	23	8839482.6
11/17/2023 1700	6	244	31	189	23	5454951.3
11/17/2023 1715	3	246	30	193	23	2640807.97
11/17/2023 1730	0	248	30	196	23	833232.22
11/17/2023 1745	-3	250	29	200	24	57629.82
11/17/2023 1800	-6	252	28	203	24	2214.64
11/17/2023 1815	-9	253	26	207	24	79.12
11/17/2023 1830	-13	255	25	210	24	8.52
11/17/2023 1845	-16	257	23	213	24	3.75
11/17/2023 1900	-19	259	22	216	24	2.99
11/17/2023 1915	-22	260	20	219	24	2.2
11/17/2023 1930	-25	262	18	221	24	1.99
11/17/2023 1945	-28	264	16	224	24	1.77
11/17/2023 2000	-32	265	13	226	24	1.55
11/17/2023 2015	-35	267	11	229	25	1.33
11/17/2023 2030	-38	269	9	231	25	1.12
11/17/2023 2045	-41	271	6	233	25	0.93
11/17/2023 2100	-44	273	4	235	25	0.75
11/17/2023 2115	-48	275	2	237	25	0.61
11/17/2023 2130	-51	278	-1	239	25	0.52
11/17/2023 2145	-54	280	-4	241	25	0.5
11/17/2023 2200	-57	283	-7	243	25	0.5
11/17/2023 2215	-60	286	-9	245	25	0.5
11/17/2023 2230	-63	290	-12	246	25	0.5
11/17/2023 2245	-66	295	-15	248	26	0.5
11/17/2023 2300	-69	300	-18	249	26	0.5
11/17/2023 2315	-72	307	-21	251	26	0.5
11/17/2023 2330	-74	316	-24	252	26	0.5
11/17/2023 2345	-76	327	-27	254	26	0.5
11/18/2023 0000	-78	342	-29	255	26	0.5
11/18/2023 0015	-78	358	-32	257	26	0.5
11/18/2023 0030	-78	15	-35	258	26	0.5
11/18/2023 0045	-76	30	-38	260	26	0.5
11/18/2023 0100	-75	42	-41	261	27	0.5
11/18/2023 0115	-72	51	-44	263	27	0.5
11/18/2023 0130	-70	59	-47	264	27	0.5
11/18/2023 0145	-67	64	-50	266	27	0.5

11/18/2023 0200	-64	69	-54	268	27	0.5
11/18/2023 0215	-61	73	-57	269	27	0.5
11/18/2023 0230	-58	76	-60	271	27	0.5
11/18/2023 0245	-55	79	-63	274	27	0.5
11/18/2023 0300	-51	82	-66	276	27	0.5
11/18/2023 0315	-48	84	-69	279	27	0.5
11/18/2023 0330	-45	87	-72	282	28	0.5
11/18/2023 0345	-42	89	-75	287	28	0.5
11/18/2023 0400	-39	91	-77	293	28	0.5
11/18/2023 0415	-35	92	-80	302	28	0.5
11/18/2023 0430	-32	94	-82	316	28	0.5
11/18/2023 0445	-29	96	-84	340	28	0.5
11/18/2023 0500	-26	98	-84	11	28	0.5
11/18/2023 0515	-23	100	-83	38	28	0.5
11/18/2023 0530	-19	101	-81	54	28	1.04
11/18/2023 0545	-16	103	-78	64	29	1.44
11/18/2023 0600	-13	105	-75	71	29	4.35
11/18/2023 0615	-10	106	-72	75	29	42.23
11/18/2023 0630	-7	108	-69	79	29	1085.88
11/18/2023 0645	-4	110	-66	82	29	31275.93
11/18/2023 0700	-1	112	-63	85	29	407194.41
11/18/2023 0715	2	114	-60	87	29	2158390.01
11/18/2023 0730	5	116	-57	89	29	4804784.73
11/18/2023 0745	8	118	-54	91	29	8071774.27
11/18/2023 0800	11	120	-51	92	29	11829827.4
11/18/2023 0815	13	123	-48	94	30	15960920.43
11/18/2023 0830	16	125	-45	96	30	20286321.94
11/18/2023 0845	19	127	-42	97	30	24737851.67
11/18/2023 0900	21	130	-39	99	30	29301305.93
11/18/2023 0915	23	133	-36	100	30	33899151.27
11/18/2023 0930	26	136	-33	101	30	38412348.3
11/18/2023 0945	28	139	-30	103	30	42754900.23
11/18/2023 1000	30	142	-27	104	30	46879792
11/18/2023 1015	32	146	-24	106	30	50736051.56
11/18/2023 1030	34	150	-21	107	31	54250710.84
11/18/2023 1045	35	153	-18	109	31	57350690.64
11/18/2023 1100	36	157	-15	110	31	59989282.13
11/18/2023 1115	38	162	-12	112	31	62150716.92
11/18/2023 1130	38	166	-9	113	31	63836894.64
11/18/2023 1145	39	170	-6	115	31	65052813.61
11/18/2023 1200	40	175	-4	117	31	65800033.06
11/18/2023 1215	40	180	-1	119	31	66077307.74
11/18/2023 1230	40	184	2	121	31	65883593.09
11/18/2023 1245	39	189	5	123	32	65219658.86
11/18/2023 1300	39	193	7	125	32	64086934.22
11/18/2023 1315	38	198	10	127	32	62484540.67
11/18/2023 1330	37	202	12	129	32	60407875.41

11/18/2023 1345	35	206	15	131	32	57853606.4
11/18/2023 1400	34	210	17	134	32	54833153.17
11/18/2023 1415	32	213	19	136	32	51387358
11/18/2023 1430	30	217	21	139	32	47586082.65
11/18/2023 1445	28	220	23	142	32	43504592.5
11/18/2023 1500	26	223	25	145	33	39197837.07
11/18/2023 1515	24	226	27	148	33	34710316.03
11/18/2023 1530	22	229	28	151	33	30119123.45
11/18/2023 1545	19	232	30	155	33	25541754.78
11/18/2023 1600	16	235	31	158	33	21068453
11/18/2023 1615	14	237	32	162	33	16719324.22
11/18/2023 1630	11	239	33	166	33	12542570.16
11/18/2023 1645	8	241	34	170	33	8705302.94
11/18/2023 1700	6	244	34	174	33	5347966.81
11/18/2023 1715	3	246	35	178	34	2564299.4
11/18/2023 1730	0	248	35	182	34	799485.98
11/18/2023 1745	-3	249	35	186	34	53183.55
11/18/2023 1800	-6	251	34	190	34	2026.21
11/18/2023 1815	-10	253	34	194	34	77.46
11/18/2023 1830	-13	255	33	198	34	12.1
11/18/2023 1845	-16	257	32	201	34	7.55
11/18/2023 1900	-19	258	31	205	34	6.75
11/18/2023 1915	-22	260	29	209	34	5.87
11/18/2023 1930	-25	262	28	212	35	5.53
11/18/2023 1945	-28	263	26	215	35	5.16
11/18/2023 2000	-32	265	24	218	35	4.75
11/18/2023 2015	-35	267	22	221	35	4.31
11/18/2023 2030	-38	269	20	224	35	3.86
11/18/2023 2045	-41	271	18	227	35	3.4
11/18/2023 2100	-44	273	16	229	35	2.93
11/18/2023 2115	-48	275	13	232	35	2.47
11/18/2023 2130	-51	277	11	234	35	2.02
11/18/2023 2145	-54	280	8	236	36	1.6
11/18/2023 2200	-57	283	6	238	36	1.22
11/18/2023 2215	-60	286	3	240	36	0.89
11/18/2023 2230	-63	290	1	242	36	0.65
11/18/2023 2245	-66	294	-2	244	36	0.52
11/18/2023 2300	-69	300	-5	246	36	0.5
11/18/2023 2315	-72	306	-8	248	36	0.5
11/18/2023 2330	-74	315	-11	250	36	0.5
11/18/2023 2345	-76	327	-14	251	36	0.5
11/19/2023 0000	-78	341	-17	253	37	0.5
11/19/2023 0015	-78	358	-20	255	37	0.5
11/19/2023 0030	-78	15	-23	256	37	0.5
11/19/2023 0045	-77	30	-25	258	37	0.5
11/19/2023 0100	-75	43	-28	260	37	0.5
11/19/2023 0115	-72	52	-31	261	37	0.5

11/19/2023 0130	-70	59	-34	263	37	0.5
11/19/2023 0145	-67	65	-38	265	37	0.5
11/19/2023 0200	-64	70	-41	266	37	0.5
11/19/2023 0215	-61	73	-44	268	38	0.5
11/19/2023 0230	-58	77	-47	270	38	0.5
11/19/2023 0245	-55	80	-50	272	38	0.5
11/19/2023 0300	-52	82	-53	274	38	0.5
11/19/2023 0315	-48	85	-56	276	38	0.5
11/19/2023 0330	-45	87	-59	279	38	0.5
11/19/2023 0345	-42	89	-62	282	38	0.5
11/19/2023 0400	-39	91	-65	285	38	0.5
11/19/2023 0415	-35	93	-68	289	39	0.5
11/19/2023 0430	-32	95	-70	294	39	0.5
11/19/2023 0445	-29	96	-73	300	39	0.5
11/19/2023 0500	-26	98	-76	308	39	0.5
11/19/2023 0515	-23	100	-78	319	39	0.5
11/19/2023 0530	-20	101	-79	333	39	1.03
11/19/2023 0545	-16	103	-80	352	39	1.4
11/19/2023 0600	-13	105	-80	11	39	4
11/19/2023 0615	-10	107	-79	28	39	36.46
11/19/2023 0630	-7	108	-77	42	40	901
11/19/2023 0645	-4	110	-75	52	40	26367.99
11/19/2023 0700	-1	112	-72	60	40	361857.29
11/19/2023 0715	2	114	-70	65	40	2031207.24
11/19/2023 0730	5	116	-67	70	40	4620933.33
11/19/2023 0745	8	118	-64	74	40	7847151.26
11/19/2023 0800	10	120	-61	77	40	11564105.48
11/19/2023 0815	13	123	-58	80	40	15662383.56
11/19/2023 0830	16	125	-55	82	41	19961516.68
11/19/2023 0845	18	128	-52	85	41	24384667.66
11/19/2023 0900	21	130	-49	87	41	28918474.73
11/19/2023 0915	23	133	-46	89	41	33491754.54
11/19/2023 0930	26	136	-43	91	41	37986687.05
11/19/2023 0945	28	139	-40	92	41	42313537.53
11/19/2023 1000	30	142	-36	94	41	46423481.15
11/19/2023 1015	32	146	-33	96	41	50268085.08
11/19/2023 1030	33	150	-30	97	41	53777723.46
11/19/2023 1045	35	153	-27	99	42	56879781.72
11/19/2023 1100	36	157	-24	100	42	59525037.57
11/19/2023 1115	37	162	-21	102	42	61694526.4
11/19/2023 1130	38	166	-18	103	42	63388192.84
11/19/2023 1145	39	170	-15	105	42	64610684.47
11/19/2023 1200	39	175	-12	107	42	65364139.16
11/19/2023 1215	39	179	-9	108	42	65648002.15
11/19/2023 1230	39	184	-6	110	42	65461526.81
11/19/2023 1245	39	189	-3	112	42	64805244.34
11/19/2023 1300	38	193	0	114	43	63679966.38

11/19/2023 1315	38	197	3	116	43	62084260.92
11/19/2023 1330	36	202	5	117	43	60013693.45
11/19/2023 1345	35	206	8	119	43	57466340.56
11/19/2023 1400	34	210	11	122	43	54455992.88
11/19/2023 1415	32	213	13	124	43	51025378.59
11/19/2023 1430	30	217	16	126	43	47244006.53
11/19/2023 1445	28	220	18	129	43	43184489.64
11/19/2023 1500	26	223	21	131	44	38899381.83
11/19/2023 1515	24	226	23	134	44	34433771.5
11/19/2023 1530	21	229	25	137	44	29867179.03
11/19/2023 1545	19	232	28	140	44	25316823.26
11/19/2023 1600	16	234	30	143	44	20868989.19
11/19/2023 1615	14	237	31	146	44	16542211.87
11/19/2023 1630	11	239	33	150	44	12389191.58
11/19/2023 1645	8	241	35	154	44	8579259.93
11/19/2023 1700	5	243	36	157	44	5247840.78
11/19/2023 1715	3	245	37	162	45	2493471.26
11/19/2023 1730	0	247	38	166	45	768860.87
11/19/2023 1745	-4	249	39	170	45	49319.49
11/19/2023 1800	-7	251	39	174	45	1868.7
11/19/2023 1815	-10	253	40	179	45	79.09
11/19/2023 1830	-13	255	39	183	45	18.4
11/19/2023 1845	-16	256	39	188	45	14.23
11/19/2023 1900	-19	258	39	192	45	13.59
11/19/2023 1915	-22	260	38	197	46	12.81
11/19/2023 1930	-25	261	37	201	46	12.51
11/19/2023 1945	-28	263	36	205	46	12.12
11/19/2023 2000	-32	265	35	209	46	11.64
11/19/2023 2015	-35	267	33	213	46	11.07
11/19/2023 2030	-38	269	31	216	46	10.41
11/19/2023 2045	-41	270	29	219	46	9.69
11/19/2023 2100	-44	272	27	223	46	8.92
11/19/2023 2115	-48	275	25	226	47	8.09
11/19/2023 2130	-51	277	23	229	47	7.23
11/19/2023 2145	-54	279	21	231	47	6.35
11/19/2023 2200	-57	282	18	234	47	5.47
11/19/2023 2215	-60	285	16	236	47	4.6
11/19/2023 2230	-63	289	13	239	47	3.75
11/19/2023 2245	-66	294	11	241	47	2.94
11/19/2023 2300	-69	299	8	243	47	2.19
11/19/2023 2315	-72	306	5	245	47	1.53
11/19/2023 2330	-74	315	2	247	48	0.99
11/19/2023 2345	-77	326	0	249	48	0.65
11/20/2023 0000	-78	341	-4	251	48	0.51
11/20/2023 0015	-79	358	-6	253	48	0.5
11/20/2023 0030	-78	15	-9	255	48	0.5
11/20/2023 0045	-77	31	-12	257	48	0.5

11/20/2023 0100	-75	43	-15	258	48	0.5
11/20/2023 0115	-73	52	-18	260	48	0.5
11/20/2023 0130	-70	60	-21	262	49	0.5
11/20/2023 0145	-67	65	-24	264	49	0.5
11/20/2023 0200	-64	70	-27	265	49	0.5
11/20/2023 0215	-61	74	-31	267	49	0.5
11/20/2023 0230	-58	77	-34	269	49	0.5
11/20/2023 0245	-55	80	-37	271	49	0.5
11/20/2023 0300	-52	83	-40	273	49	0.5
11/20/2023 0315	-48	85	-43	275	49	0.5
11/20/2023 0330	-45	87	-46	278	49	0.5
11/20/2023 0345	-42	89	-49	280	50	0.5
11/20/2023 0400	-39	91	-52	283	50	0.5
11/20/2023 0415	-36	93	-55	286	50	0.5
11/20/2023 0430	-32	95	-57	289	50	0.5
11/20/2023 0445	-29	97	-60	293	50	0.5
11/20/2023 0500	-26	98	-63	297	50	0.5
11/20/2023 0515	-23	100	-66	302	50	0.5
11/20/2023 0530	-20	102	-68	308	50	1.02
11/20/2023 0545	-17	103	-70	315	51	1.36
11/20/2023 0600	-13	105	-72	324	51	3.69
11/20/2023 0615	-10	107	-74	335	51	31.58
11/20/2023 0630	-7	109	-75	347	51	748.44
11/20/2023 0645	-4	110	-75	0	51	22189.13
11/20/2023 0700	-1	112	-75	13	51	320635.76
11/20/2023 0715	2	114	-74	25	51	1908897.5
11/20/2023 0730	5	116	-72	35	51	4440409.23
11/20/2023 0745	7	118	-70	44	52	7626151.87
11/20/2023 0800	10	121	-68	51	52	11302275.66
11/20/2023 0815	13	123	-65	57	52	15367512.88
11/20/2023 0830	16	125	-62	62	52	19640734.73
11/20/2023 0845	18	128	-60	66	52	24036359.24
11/20/2023 0900	21	130	-57	70	52	28541047.33
11/20/2023 0915	23	133	-54	73	52	33089868.81
11/20/2023 0930	25	136	-51	76	52	37566774.92
11/20/2023 0945	28	139	-48	78	52	41878541.83
11/20/2023 1000	30	143	-45	81	53	45974176.36
11/20/2023 1015	31	146	-42	83	53	49807339.32
11/20/2023 1030	33	150	-39	85	53	53311709.8
11/20/2023 1045	35	153	-36	87	53	56415478.88
11/20/2023 1100	36	157	-33	89	53	59067281.13
11/20/2023 1115	37	162	-29	91	53	61245099.13
11/20/2023 1130	38	166	-26	92	53	62946834.19
11/20/2023 1145	39	170	-23	94	53	64176596.54
11/20/2023 1200	39	175	-20	96	54	64936936.81
11/20/2023 1215	39	179	-17	98	54	65227894.66
11/20/2023 1230	39	184	-14	99	54	65048997.1

11/20/2023 1245	39	188	-11	101	54	64400575.24
11/20/2023 1300	38	193	-8	103	54	63282918.62
11/20/2023 1315	37	197	-5	104	54	61694178.34
11/20/2023 1330	36	201	-2	106	54	59630213.39
11/20/2023 1345	35	205	2	108	54	57090528.97
11/20/2023 1400	33	209	4	110	54	54091122.93
11/20/2023 1415	32	213	7	112	55	50676308.75
11/20/2023 1430	30	217	10	114	55	46915015.88
11/20/2023 1445	28	220	13	116	55	42877264.64
11/20/2023 1500	26	223	16	118	55	38613503.88
11/20/2023 1515	24	226	19	120	55	34169583.77
11/20/2023 1530	21	229	21	123	55	29627272.67
11/20/2023 1545	19	232	24	125	55	25103267.65
11/20/2023 1600	16	234	26	128	55	20680042.51
11/20/2023 1615	14	237	29	131	56	16374917.31
11/20/2023 1630	11	239	31	134	56	12244962.81
11/20/2023 1645	8	241	33	137	56	8461272.51
11/20/2023 1700	5	243	35	141	56	5154493.45
11/20/2023 1715	3	245	37	145	56	2428171.42
11/20/2023 1730	0	247	39	149	56	741147.74
11/20/2023 1745	-4	249	41	153	56	45966.42
11/20/2023 1800	-7	251	42	157	56	1737.55
11/20/2023 1815	-10	253	43	162	56	83.69
11/20/2023 1830	-13	254	44	167	57	27.34
11/20/2023 1845	-16	256	45	171	57	23.83
11/20/2023 1900	-19	258	45	177	57	23.63
11/20/2023 1915	-22	260	45	182	57	23.21
11/20/2023 1930	-25	261	45	187	57	23.22
11/20/2023 1945	-28	263	45	192	57	23.06
11/20/2023 2000	-32	265	44	197	57	22.76
11/20/2023 2015	-35	266	43	201	57	22.32
11/20/2023 2030	-38	268	42	206	58	21.75
11/20/2023 2045	-41	270	41	210	58	21.05
11/20/2023 2100	-45	272	39	215	58	20.23
11/20/2023 2115	-48	274	37	218	58	19.26
11/20/2023 2130	-51	277	35	222	58	18.15
11/20/2023 2145	-54	279	33	226	58	16.89
11/20/2023 2200	-57	282	31	229	58	15.53
11/20/2023 2215	-60	285	28	232	58	14.09
11/20/2023 2230	-63	289	26	235	59	12.6
11/20/2023 2245	-66	293	23	238	59	11.07
11/20/2023 2300	-69	298	21	240	59	9.53
11/20/2023 2315	-72	305	18	243	59	8.03
11/20/2023 2330	-75	314	15	245	59	6.57
11/20/2023 2345	-77	325	13	247	59	5.17
11/21/2023 0000	-78	340	10	249	59	3.86
11/21/2023 0015	-79	358	7	252	59	2.69

11/21/2023 0030	-78	15	4	254	59	1.69
11/21/2023 0045	-77	31	1	256	60	0.95
11/21/2023 0100	-75	43	-2	257	60	0.55
11/21/2023 0115	-73	53	-5	259	60	0.5
11/21/2023 0130	-70	60	-8	261	60	0.5
11/21/2023 0145	-67	66	-11	263	60	0.5
11/21/2023 0200	-64	70	-14	265	60	0.5
11/21/2023 0215	-61	74	-17	267	60	0.5
11/21/2023 0230	-58	77	-20	269	60	0.5
11/21/2023 0245	-55	80	-23	271	60	0.5
11/21/2023 0300	-52	83	-26	273	61	0.5
11/21/2023 0315	-49	85	-30	275	61	0.5
11/21/2023 0330	-45	87	-33	277	61	0.5
11/21/2023 0345	-42	89	-36	279	61	0.5
11/21/2023 0400	-39	91	-39	281	61	0.5
11/21/2023 0415	-36	93	-42	284	61	0.5
11/21/2023 0430	-33	95	-44	287	61	0.5
11/21/2023 0445	-29	97	-47	289	61	0.5
11/21/2023 0500	-26	98	-50	293	62	0.5
11/21/2023 0515	-23	100	-53	296	62	0.5
11/21/2023 0530	-20	102	-56	300	62	1.02
11/21/2023 0545	-17	104	-58	305	62	1.33
11/21/2023 0600	-14	105	-60	310	62	3.42
11/21/2023 0615	-11	107	-63	315	62	27.45
11/21/2023 0630	-8	109	-65	322	62	622.59
11/21/2023 0645	-4	111	-66	330	62	18642.44
11/21/2023 0700	-1	112	-68	338	62	283311.27
11/21/2023 0715	2	114	-68	347	63	1791585.42
11/21/2023 0730	5	116	-69	357	63	4263342.92
11/21/2023 0745	7	119	-69	6	63	7408850.84
11/21/2023 0800	10	121	-68	16	63	11044490.13
11/21/2023 0815	13	123	-67	25	63	15076488.18
11/21/2023 0830	15	125	-65	32	63	19324117.48
11/21/2023 0845	18	128	-64	39	63	23693072.74
11/21/2023 0900	20	131	-61	45	63	28169231.81
11/21/2023 0915	23	133	-59	51	64	32693745.09
11/21/2023 0930	25	136	-57	56	64	37152851.11
11/21/2023 0945	27	139	-54	60	64	41450132.31
11/21/2023 1000	29	143	-51	63	64	45532126.24
11/21/2023 1015	31	146	-48	67	64	49354142.46
11/21/2023 1030	33	150	-46	70	64	52853078.24
11/21/2023 1045	34	154	-43	72	64	55958222.56
11/21/2023 1100	36	158	-40	75	64	58616424.91
11/21/2023 1115	37	162	-37	77	64	60802779.8
11/21/2023 1130	38	166	-34	80	65	62513087.73
11/21/2023 1145	38	170	-30	82	65	63750757.12
11/21/2023 1200	39	175	-27	84	65	64518594.96

11/21/2023 1215	39	179	-24	86	65	64817140.81
11/21/2023 1230	39	184	-21	88	65	64646169.83
11/21/2023 1245	39	188	-18	89	65	64005849.53
11/21/2023 1300	38	193	-15	91	65	62896037.73
11/21/2023 1315	37	197	-12	93	65	61314592.49
11/21/2023 1330	36	201	-9	95	65	59257769.6
11/21/2023 1345	35	205	-6	97	66	56726498.8
11/21/2023 1400	33	209	-2	98	66	53738813.95
11/21/2023 1415	32	213	1	100	66	50340335.46
11/21/2023 1430	30	216	4	102	66	46599228.43
11/21/2023 1445	28	220	7	104	66	42583006.78
11/21/2023 1500	26	223	10	106	66	38340289.25
11/21/2023 1515	23	226	13	108	66	33917821.14
11/21/2023 1530	21	229	16	110	66	29399429.52
11/21/2023 1545	19	231	19	112	66	24901080.09
11/21/2023 1600	16	234	22	114	67	20501607.16
11/21/2023 1615	14	236	25	117	67	16217435.81
11/21/2023 1630	11	239	27	119	67	12109840.32
11/21/2023 1645	8	241	30	122	67	8351262.89
11/21/2023 1700	5	243	33	125	67	5067847.92
11/21/2023 1715	3	245	35	128	67	2368250.21
11/21/2023 1730	0	247	38	131	67	716157.87
11/21/2023 1745	-4	249	40	135	67	43062.53
11/21/2023 1800	-7	251	42	139	67	1628.29
11/21/2023 1815	-10	252	44	143	68	90.35
11/21/2023 1830	-13	254	46	148	68	38.23
11/21/2023 1845	-16	256	48	152	68	35.84
11/21/2023 1900	-19	258	49	157	68	36.58
11/21/2023 1915	-22	259	51	163	68	37.03
11/21/2023 1930	-25	261	51	168	68	37.81
11/21/2023 1945	-29	263	52	174	68	38.35
11/21/2023 2000	-32	264	52	180	68	38.65
11/21/2023 2015	-35	266	52	186	68	38.7
11/21/2023 2030	-38	268	52	192	69	38.51
11/21/2023 2045	-41	270	51	198	69	38.06
11/21/2023 2100	-45	272	50	203	69	37.37
11/21/2023 2115	-48	274	48	208	69	36.43
11/21/2023 2130	-51	276	47	213	69	35.27
11/21/2023 2145	-54	279	45	218	69	33.93
11/21/2023 2200	-57	281	43	222	69	32.44
11/21/2023 2215	-60	284	41	226	69	30.84
11/21/2023 2230	-64	288	39	230	69	29.09
11/21/2023 2245	-67	292	36	233	70	27.14
11/21/2023 2300	-69	298	34	237	70	24.98
11/21/2023 2315	-72	304	31	240	70	22.66
11/21/2023 2330	-75	313	29	243	70	20.26
11/21/2023 2345	-77	325	26	245	70	17.82

11/22/2023 0000	-78	339	23	248	70	15.36
11/22/2023 0015	-79	357	20	250	70	12.95
11/22/2023 0030	-79	15	17	252	70	10.63
11/22/2023 0045	-77	31	14	255	70	8.42
11/22/2023 0100	-75	44	11	257	71	6.34
11/22/2023 0115	-73	53	8	259	71	4.45
11/22/2023 0130	-70	60	5	261	71	2.83
11/22/2023 0145	-67	66	2	263	71	1.54
11/22/2023 0200	-64	71	-1	265	71	0.69
11/22/2023 0215	-61	75	-4	267	71	0.51
11/22/2023 0230	-58	78	-7	269	71	0.5
11/22/2023 0245	-55	81	-10	270	71	0.5
11/22/2023 0300	-52	83	-13	272	71	0.5
11/22/2023 0315	-49	86	-16	274	72	0.5
11/22/2023 0330	-46	88	-19	276	72	0.5
11/22/2023 0345	-42	90	-22	278	72	0.5
11/22/2023 0400	-39	92	-25	281	72	0.5
11/22/2023 0415	-36	93	-28	283	72	0.5
11/22/2023 0430	-33	95	-31	285	72	0.5
11/22/2023 0445	-30	97	-34	288	72	0.5
11/22/2023 0500	-26	99	-37	290	72	0.5
11/22/2023 0515	-23	100	-40	293	72	0.5
11/22/2023 0530	-20	102	-43	296	73	0.5
11/22/2023 0545	-17	104	-45	300	73	1.3
11/22/2023 0600	-14	105	-48	303	73	3.18
11/22/2023 0615	-11	107	-50	307	73	23.95
11/22/2023 0630	-8	109	-53	312	73	518.75
11/22/2023 0645	-5	111	-55	316	73	15641.18
11/22/2023 0700	-2	113	-57	322	73	249652.73
11/22/2023 0715	2	115	-59	328	73	1679368.13
11/22/2023 0730	4	117	-60	334	73	4089864.4
11/22/2023 0745	7	119	-61	341	73	7195313.34
11/22/2023 0800	10	121	-62	348	74	10790886.72
11/22/2023 0815	13	123	-62	356	74	14789481.76
11/22/2023 0830	15	125	-62	3	74	19011800.65
11/22/2023 0845	18	128	-62	11	74	23354942.21
11/22/2023 0900	20	131	-61	18	74	27803219.69
11/22/2023 0915	23	133	-60	25	74	32303621.32
11/22/2023 0930	25	136	-58	31	74	36745146.65
11/22/2023 0945	27	139	-56	37	74	41028518.28
11/22/2023 1000	29	143	-54	42	74	45097561.52
11/22/2023 1015	31	146	-52	47	75	48908797.69
11/22/2023 1030	33	150	-50	51	75	52402212.52
11/22/2023 1045	34	154	-47	55	75	55508437.1
11/22/2023 1100	36	158	-45	59	75	58172877.41
11/22/2023 1115	37	162	-42	62	75	60367920.86
11/22/2023 1130	38	166	-39	65	75	62087237.9

11/22/2023 1145	38	170	-36	67	75	63333392.78
11/22/2023 1200	39	175	-33	70	75	64109303.16
11/22/2023 1215	39	179	-30	72	75	64415916.65
11/22/2023 1230	39	184	-27	75	75	64253230.29
11/22/2023 1245	38	188	-24	77	76	63621281.83
11/22/2023 1300	38	193	-21	79	76	62519581.31
11/22/2023 1315	37	197	-18	81	76	60945804.23
11/22/2023 1330	36	201	-15	83	76	58896686.1
11/22/2023 1345	35	205	-12	85	76	56374558.35
11/22/2023 1400	33	209	-9	87	76	53399315.98
11/22/2023 1415	32	213	-6	88	76	50017629.76
11/22/2023 1430	30	216	-3	90	76	46296753.22
11/22/2023 1445	28	220	1	92	76	42301801.41
11/22/2023 1500	26	223	4	94	76	38079819.83
11/22/2023 1515	23	226	7	96	77	33678545.73
11/22/2023 1530	21	228	10	98	77	29183669.86
11/22/2023 1545	19	231	13	100	77	24710251.99
11/22/2023 1600	16	234	16	102	77	20333677.98
11/22/2023 1615	13	236	19	104	77	16069760.97
11/22/2023 1630	11	238	22	106	77	11983779.57
11/22/2023 1645	8	241	25	108	77	8249156.64
11/22/2023 1700	5	243	28	110	77	4987830.03
11/22/2023 1715	2	245	31	113	77	2313561.46
11/22/2023 1730	-1	247	34	115	77	475864.64
11/22/2023 1745	-4	249	37	118	78	40554.16
11/22/2023 1800	-7	250	40	121	78	1536.41
11/22/2023 1815	-10	252	43	125	78	97.28
11/22/2023 1830	-13	254	45	128	78	49.24
11/22/2023 1845	-16	256	48	132	78	48.4
11/22/2023 1900	-19	257	50	137	78	50.58
11/22/2023 1915	-22	259	52	141	78	52.42
11/22/2023 1930	-25	261	54	147	78	54.53
11/22/2023 1945	-29	262	56	152	78	56.36
11/22/2023 2000	-32	264	57	158	78	57.88
11/22/2023 2015	-35	266	58	165	79	59.06
11/22/2023 2030	-38	268	59	172	79	59.89
11/22/2023 2045	-41	270	59	179	79	60.37
11/22/2023 2100	-45	271	59	186	79	60.5
11/22/2023 2115	-48	274	59	193	79	60.28
11/22/2023 2130	-51	276	58	200	79	59.68
11/22/2023 2145	-54	278	57	206	79	58.73
11/22/2023 2200	-57	281	55	212	79	57.42
11/22/2023 2215	-60	284	53	218	79	55.8
11/22/2023 2230	-64	288	51	223	79	53.85
11/22/2023 2245	-67	292	49	228	80	51.57
11/22/2023 2300	-70	297	47	232	80	49.03
11/22/2023 2315	-72	304	44	236	80	46.32

11/22/2023 2330	-75	312	42	239	80	43.54
11/22/2023 2345	-77	324	39	243	80	40.63
11/23/2023 0000	-79	339	36	246	80	37.48
11/23/2023 0015	-79	357	33	248	80	34.04
11/23/2023 0030	-79	15	30	251	80	30.43
11/23/2023 0045	-78	31	28	253	80	26.77
11/23/2023 0100	-76	44	25	256	80	23.13
11/23/2023 0115	-73	54	22	258	80	19.53
11/23/2023 0130	-70	61	19	260	81	16.07
11/23/2023 0145	-68	66	15	262	81	12.81
11/23/2023 0200	-65	71	12	264	81	9.74
11/23/2023 0215	-62	75	9	266	81	6.93
11/23/2023 0230	-58	78	6	268	81	4.5
11/23/2023 0245	-55	81	3	270	81	2.5
11/23/2023 0300	-52	83	1	272	81	1.15
11/23/2023 0315	-49	86	-3	274	81	0.55
11/23/2023 0330	-46	88	-6	276	81	0.5
11/23/2023 0345	-42	90	-9	278	81	0.5
11/23/2023 0400	-39	92	-12	280	82	0.5
11/23/2023 0415	-36	94	-15	282	82	0.5
11/23/2023 0430	-33	95	-18	284	82	0.5
11/23/2023 0445	-30	97	-21	286	82	0.5
11/23/2023 0500	-27	99	-24	289	82	0.5
11/23/2023 0515	-23	100	-27	291	82	0.5
11/23/2023 0530	-20	102	-30	294	82	0.5
11/23/2023 0545	-17	104	-32	296	82	1.28
11/23/2023 0600	-14	106	-35	299	82	2.96
11/23/2023 0615	-11	107	-38	302	82	20.96
11/23/2023 0630	-8	109	-40	306	82	433.05
11/23/2023 0645	-5	111	-43	309	83	13108.37
11/23/2023 0700	-2	113	-45	313	83	219420.85
11/23/2023 0715	1	115	-47	317	83	1572313.41
11/23/2023 0730	4	117	-49	322	83	3920102.83
11/23/2023 0745	7	119	-51	327	83	6985596.21
11/23/2023 0800	10	121	-52	332	83	10541588.99
11/23/2023 0815	12	123	-53	337	83	14506658.06
11/23/2023 0830	15	126	-54	343	83	18703914.77
11/23/2023 0845	18	128	-55	349	83	23022090.42
11/23/2023 0900	20	131	-55	355	83	27443186.37
11/23/2023 0915	22	133	-55	2	83	31919721.94
11/23/2023 0930	25	136	-55	8	83	36343884.1
11/23/2023 0945	27	140	-54	14	84	40613899.84
11/23/2023 1000	29	143	-53	20	84	44670696.38
11/23/2023 1015	31	146	-52	25	84	48471584.11
11/23/2023 1030	32	150	-51	31	84	51959471.2
11/23/2023 1045	34	154	-49	35	84	55066528.43
11/23/2023 1100	35	158	-47	40	84	57737039.92

11/23/2023 1115	36	162	-45	44	84	59940878.55
11/23/2023 1130	37	166	-43	48	84	61669580.81
11/23/2023 1145	38	170	-40	51	84	62924746.06
11/23/2023 1200	38	175	-38	55	84	63709268.58
11/23/2023 1215	39	179	-35	58	84	64024415.76
11/23/2023 1230	38	184	-32	61	85	63870379.79
11/23/2023 1245	38	188	-30	63	85	63247099.45
11/23/2023 1300	38	193	-27	66	85	62153813.92
11/23/2023 1315	37	197	-24	68	85	60588113.14
11/23/2023 1330	36	201	-21	70	85	58547276.23
11/23/2023 1345	34	205	-18	73	85	56034996.81
11/23/2023 1400	33	209	-15	75	85	53072856.27
11/23/2023 1415	31	212	-12	77	85	49708344.18
11/23/2023 1430	30	216	-9	79	85	46007689.69
11/23/2023 1445	28	219	-6	80	85	42033730.1
11/23/2023 1500	25	222	-3	82	85	37832173.47
11/23/2023 1515	23	225	1	84	85	33451813.88
11/23/2023 1530	21	228	4	86	86	28980009.73
11/23/2023 1545	18	231	7	88	86	24530774.04
11/23/2023 1600	16	233	10	89	86	20176249.98
11/23/2023 1615	13	236	13	91	86	15931884.89
11/23/2023 1630	11	238	16	93	86	11866735.69
11/23/2023 1645	8	240	19	95	86	8154882.93
11/23/2023 1700	5	242	22	97	86	4914368.68
11/23/2023 1715	2	245	26	99	86	2263964.3
11/23/2023 1730	-1	246	29	101	86	457459.76
11/23/2023 1745	-4	248	32	103	86	38394.63
11/23/2023 1800	-7	250	35	106	86	1457.42
11/23/2023 1815	-10	252	38	108	86	102.58
11/23/2023 1830	-13	254	41	111	87	58.46
11/23/2023 1845	-16	255	44	114	87	59.27
11/23/2023 1900	-19	257	47	117	87	63.21
11/23/2023 1915	-22	259	50	120	87	67
11/23/2023 1930	-25	260	52	124	87	71.07
11/23/2023 1945	-29	262	55	129	87	74.81
11/23/2023 2000	-32	264	57	133	87	78.23
11/23/2023 2015	-35	266	60	139	87	81.22
11/23/2023 2030	-38	267	62	145	87	83.62
11/23/2023 2045	-41	269	63	152	87	85.43
11/23/2023 2100	-45	271	65	160	87	86.76
11/23/2023 2115	-48	273	66	168	87	87.74
11/23/2023 2130	-51	275	66	177	88	88.36
11/23/2023 2145	-54	278	66	186	88	88.62
11/23/2023 2200	-57	281	65	195	88	88.5
11/23/2023 2215	-61	284	65	203	88	88.04
11/23/2023 2230	-64	287	63	211	88	87.19
11/23/2023 2245	-67	291	61	218	88	85.83

11/23/2023 2300	-70	297	59	224	88	83.84
11/23/2023 2315	-72	303	57	229	88	81.22
11/23/2023 2330	-75	312	55	234	88	78.14
11/23/2023 2345	-77	323	52	239	88	74.69
11/24/2023 0000	-79	338	49	242	88	70.84
11/24/2023 0015	-79	356	47	246	88	66.66
11/24/2023 0030	-79	15	44	249	88	62.37
11/24/2023 0045	-78	32	41	252	89	58.09
11/24/2023 0100	-76	44	38	255	89	53.63
11/24/2023 0115	-73	54	35	257	89	48.82
11/24/2023 0130	-71	61	32	260	89	43.7
11/24/2023 0145	-68	67	29	262	89	38.49
11/24/2023 0200	-65	71	26	264	89	33.33
11/24/2023 0215	-62	75	23	266	89	28.24
11/24/2023 0230	-59	78	20	268	89	23.34
11/24/2023 0245	-55	81	16	270	89	18.74
11/24/2023 0300	-52	84	13	272	89	14.43
11/24/2023 0315	-49	86	10	274	89	10.45
11/24/2023 0330	-46	88	7	276	89	6.96
11/24/2023 0345	-43	90	4	278	89	4.05
11/24/2023 0400	-39	92	1	280	89	1.88
11/24/2023 0415	-36	94	-2	281	90	0.68
11/24/2023 0430	-33	96	-5	283	90	0.51
11/24/2023 0445	-30	97	-8	285	90	0.5
11/24/2023 0500	-27	99	-11	287	90	0.5
11/24/2023 0515	-23	101	-14	290	90	0.5
11/24/2023 0530	-20	102	-17	292	90	0.5
11/24/2023 0545	-17	104	-19	294	90	1.25
11/24/2023 0600	-14	106	-22	296	90	2.77
11/24/2023 0615	-11	107	-25	299	90	18.42
11/24/2023 0630	-8	109	-27	302	90	362.27
11/24/2023 0645	-5	111	-30	305	90	10976.14
11/24/2023 0700	-2	113	-32	308	90	192372.15
11/24/2023 0715	1	115	-35	311	90	1470458.51
11/24/2023 0730	4	117	-37	314	90	3754186.16
11/24/2023 0745	7	119	-39	318	91	6779749.59
11/24/2023 0800	10	121	-41	322	91	10296707.15
11/24/2023 0815	12	123	-43	326	91	14228173.96
11/24/2023 0830	15	126	-44	330	91	18400586.25
11/24/2023 0845	17	128	-46	335	91	22694630.68
11/24/2023 0900	20	131	-47	339	91	27089292.55
11/24/2023 0915	22	134	-48	344	91	31542258.53
11/24/2023 0930	25	137	-48	350	91	35949278.22
11/24/2023 0945	27	140	-49	355	91	40206469.48
11/24/2023 1000	29	143	-49	0	91	44251730.9
11/24/2023 1015	31	146	-49	6	91	48042759.02
11/24/2023 1030	32	150	-48	11	91	51525188.55

11/24/2023 1045	34	154	-47	16	91	54632883.25
11/24/2023 1100	35	158	-46	21	91	57309304.41
11/24/2023 1115	36	162	-45	26	91	59522010.11
11/24/2023 1130	37	166	-44	30	92	61260421.42
11/24/2023 1145	38	170	-42	34	92	62525072.97
11/24/2023 1200	38	175	-40	38	92	63318713.74
11/24/2023 1215	38	179	-38	42	92	63642847.03
11/24/2023 1230	38	184	-36	45	92	63497833.23
11/24/2023 1245	38	188	-33	49	92	62883539.65
11/24/2023 1300	37	192	-31	52	92	61799004.08
11/24/2023 1315	37	197	-29	54	92	60241814.63
11/24/2023 1330	36	201	-26	57	92	58209840.56
11/24/2023 1345	34	205	-23	60	92	55708084.83
11/24/2023 1400	33	209	-21	62	92	52759643.28
11/24/2023 1415	31	212	-18	64	92	49412616.18
11/24/2023 1430	29	216	-15	67	92	45732126.33
11/24/2023 1445	27	219	-12	69	92	41778866.54
11/24/2023 1500	25	222	-9	71	92	37597422.04
11/24/2023 1515	23	225	-6	73	92	33237676.97
11/24/2023 1530	21	228	-3	74	93	28788462.58
11/24/2023 1545	18	231	0	76	93	24362637.49
11/24/2023 1600	16	233	3	78	93	20029318.92
11/24/2023 1615	13	236	6	80	93	15803798.33
11/24/2023 1630	11	238	9	82	93	11758664.08
11/24/2023 1645	8	240	12	83	93	8068375.24
11/24/2023 1700	5	242	16	85	93	4847396.45
11/24/2023 1715	2	244	19	87	93	2219324.8
11/24/2023 1730	-1	246	22	88	93	441288.89
11/24/2023 1745	-4	248	25	90	93	36544.49
11/24/2023 1800	-7	250	28	92	93	1386.92
11/24/2023 1815	-10	252	31	94	93	103.48
11/24/2023 1830	-13	253	34	96	93	63.79
11/24/2023 1845	-16	255	38	98	93	67.05
11/24/2023 1900	-19	257	41	100	93	72.93
11/24/2023 1915	-22	259	44	103	93	78.59
11/24/2023 1930	-25	260	47	105	94	84.96
11/24/2023 1945	-29	262	50	108	94	91.33
11/24/2023 2000	-32	264	53	111	94	97.37
11/24/2023 2015	-35	265	56	115	94	103.02
11/24/2023 2030	-38	267	59	119	94	108.28
11/24/2023 2045	-41	269	61	123	94	112.77
11/24/2023 2100	-45	271	64	129	94	116.23
11/24/2023 2115	-48	273	66	135	94	119.07
11/24/2023 2130	-51	275	69	143	94	121.87
11/24/2023 2145	-54	278	70	151	94	124.56
11/24/2023 2200	-57	280	72	162	94	126.63
11/24/2023 2215	-61	283	72	173	94	127.9

11/24/2023 2230	-64	287	73	185	94	128.45
11/24/2023 2245	-67	291	72	196	94	128.29
11/24/2023 2300	-70	296	71	207	94	127.33
11/24/2023 2315	-72	302	69	217	94	125.6
11/24/2023 2330	-75	311	67	225	94	123.53
11/24/2023 2345	-77	322	65	231	94	121.46
11/25/2023 0000	-79	338	62	237	95	119
11/25/2023 0015	-80	356	60	242	95	115.52
11/25/2023 0030	-79	15	57	246	95	111.02
11/25/2023 0045	-78	32	54	250	95	105.92
11/25/2023 0100	-76	45	51	253	95	100.39
11/25/2023 0115	-74	54	48	256	95	94.37
11/25/2023 0130	-71	62	45	259	95	88.11
11/25/2023 0145	-68	67	42	261	95	81.91
11/25/2023 0200	-65	72	39	263	95	75.69
11/25/2023 0215	-62	75	36	266	95	69.08
11/25/2023 0230	-59	79	33	268	95	62.01
11/25/2023 0245	-56	81	30	270	95	54.77
11/25/2023 0300	-52	84	27	272	95	47.6
11/25/2023 0315	-49	86	24	273	95	40.56
11/25/2023 0330	-46	88	20	275	95	33.74
11/25/2023 0345	-43	90	17	277	95	27.34
11/25/2023 0400	-40	92	14	279	95	21.38
11/25/2023 0415	-36	94	11	281	95	15.83
11/25/2023 0430	-33	96	8	282	95	10.89
11/25/2023 0445	-30	97	5	284	95	6.71
11/25/2023 0500	-27	99	3	286	96	3.37
11/25/2023 0515	-24	101	0	288	96	1.37
11/25/2023 0530	-20	102	-4	290	96	0.56
11/25/2023 0545	-17	104	-6	292	96	1.23
11/25/2023 0600	-14	106	-9	294	96	2.6
11/25/2023 0615	-11	108	-12	296	96	16.24
11/25/2023 0630	-8	109	-15	298	96	303.77
11/25/2023 0645	-5	111	-17	301	96	9185.1
11/25/2023 0700	-2	113	-20	303	96	168262.83
11/25/2023 0715	1	115	-22	306	96	1373809.39
11/25/2023 0730	4	117	-25	308	96	3592240.99
11/25/2023 0745	7	119	-27	311	96	6577818.97
11/25/2023 0800	9	121	-29	314	96	10056339.44
11/25/2023 0815	12	123	-32	318	96	13954179.5
11/25/2023 0830	15	126	-33	321	96	18101939.02
11/25/2023 0845	17	128	-35	324	96	22372669.28
11/25/2023 0900	20	131	-37	328	96	26741686.43
11/25/2023 0915	22	134	-38	332	96	31171431.28
11/25/2023 0930	24	137	-40	336	96	35561537.26
11/25/2023 0945	26	140	-41	340	96	39806414.19
11/25/2023 1000	28	143	-42	345	96	43840854.09

11/25/2023 1015	30	146	-42	349	96	47622560.91
11/25/2023 1030	32	150	-43	354	97	51099676.64
11/25/2023 1045	34	154	-43	359	97	54207869.54
11/25/2023 1100	35	158	-43	3	97	56890052.59
11/25/2023 1115	36	162	-42	8	97	59111672.14
11/25/2023 1130	37	166	-42	12	97	60860071.74
11/25/2023 1145	38	170	-41	17	97	62134641.28
11/25/2023 1200	38	175	-40	21	97	62937874.97
11/25/2023 1215	38	179	-39	25	97	63271433.12
11/25/2023 1230	38	183	-37	29	97	63135817.46
11/25/2023 1245	38	188	-35	33	97	62530847.86
11/25/2023 1300	37	192	-34	37	97	61455422.48
11/25/2023 1315	36	197	-32	40	97	59907198.6
11/25/2023 1330	35	201	-30	43	97	57884666.52
11/25/2023 1345	34	205	-27	46	97	55394075.07
11/25/2023 1400	33	208	-25	49	97	52459867.73
11/25/2023 1415	31	212	-23	52	97	49130570.79
11/25/2023 1430	29	216	-20	54	97	45470145.77
11/25/2023 1445	27	219	-18	56	97	41537280.28
11/25/2023 1500	25	222	-15	59	97	37375629.31
11/25/2023 1515	23	225	-12	61	97	33036176.6
11/25/2023 1530	21	228	-10	63	97	28609037.19
11/25/2023 1545	18	231	-7	65	97	24205835.18
11/25/2023 1600	16	233	-4	67	97	19892883.32
11/25/2023 1615	13	235	-1	69	97	15685492.64
11/25/2023 1630	11	238	2	71	97	11659522.07
11/25/2023 1645	8	240	5	72	97	7989571.68
11/25/2023 1700	5	242	8	74	98	4786849.95
11/25/2023 1715	2	244	11	76	98	2179517.66
11/25/2023 1730	-1	246	14	77	98	427210.07
11/25/2023 1745	-4	248	17	79	98	34971.28
11/25/2023 1800	-7	250	20	81	98	1322.49
11/25/2023 1815	-10	252	23	82	98	98.54
11/25/2023 1830	-13	253	26	84	98	62.69
11/25/2023 1845	-16	255	30	85	98	68.78
11/25/2023 1900	-19	257	33	87	98	78.04
11/25/2023 1915	-22	258	36	89	98	87.17
11/25/2023 1930	-25	260	39	91	98	96.41
11/25/2023 1945	-29	262	42	93	98	105.3
11/25/2023 2000	-32	263	45	95	98	114.32
11/25/2023 2015	-35	265	48	97	98	123.61
11/25/2023 2030	-38	267	52	99	98	132.72
11/25/2023 2045	-41	269	55	102	98	141.34
11/25/2023 2100	-45	271	58	104	98	149.55
11/25/2023 2115	-48	273	61	108	98	156.93
11/25/2023 2130	-51	275	64	111	98	162.76
11/25/2023 2145	-54	277	67	116	98	167.62

11/25/2023 2200	-57	280	69	122	98	172.93
11/25/2023 2215	-61	283	72	128	98	178.24
11/25/2023 2230	-64	286	74	137	98	181.75
11/25/2023 2245	-67	290	76	149	98	183.67
11/25/2023 2300	-70	295	78	163	98	185.33
11/25/2023 2315	-73	302	78	180	98	186.57
11/25/2023 2330	-75	310	78	196	98	186.9
11/25/2023 2345	-77	322	77	211	98	186.71
11/26/2023 0000	-79	337	75	223	98	186.31
11/26/2023 0015	-80	355	72	232	98	184.49
11/26/2023 0030	-80	15	70	239	98	180.62
11/26/2023 0045	-78	32	67	245	98	176.39
11/26/2023 0100	-76	45	64	250	99	172.67
11/26/2023 0115	-74	55	61	254	99	168.13
11/26/2023 0130	-71	62	58	257	99	161.84
11/26/2023 0145	-68	68	55	260	99	154.41
11/26/2023 0200	-65	72	52	263	99	146.4
11/26/2023 0215	-62	76	49	265	99	137.74
11/26/2023 0230	-59	79	46	267	99	128.65
11/26/2023 0245	-56	82	43	269	99	119.64
11/26/2023 0300	-53	84	40	271	99	110.73
11/26/2023 0315	-49	86	37	273	99	101.42
11/26/2023 0330	-46	89	34	275	99	91.43
11/26/2023 0345	-43	91	30	276	99	81.13
11/26/2023 0400	-40	92	27	278	99	70.9
11/26/2023 0415	-37	94	24	280	99	60.85
11/26/2023 0430	-33	96	21	281	99	51.09
11/26/2023 0445	-30	98	18	283	99	41.87
11/26/2023 0500	-27	99	15	285	99	33.28
11/26/2023 0515	-24	101	12	286	99	25.27
11/26/2023 0530	-21	103	9	288	99	17.99
11/26/2023 0545	-18	104	7	290	99	12.44
11/26/2023 0600	-14	106	4	292	99	8.47
11/26/2023 0615	-11	108	1	294	99	16.69
11/26/2023 0630	-8	109	-2	295	99	255.68
11/26/2023 0645	-5	111	-5	297	99	7683.63
11/26/2023 0700	-2	113	-8	299	99	146852.13
11/26/2023 0715	1	115	-10	302	99	1282340.27
11/26/2023 0730	4	117	-13	304	99	3434392.11
11/26/2023 0745	6	119	-15	306	99	6379847.16
11/26/2023 0800	9	121	-18	309	99	9820573.74
11/26/2023 0815	12	124	-20	311	99	13684818.92
11/26/2023 0830	15	126	-22	314	99	17808096.07
11/26/2023 0845	17	128	-24	317	99	22056307.95
11/26/2023 0900	20	131	-26	319	99	26400506.07
11/26/2023 0915	22	134	-28	323	99	30807430.71
11/26/2023 0930	24	137	-30	326	99	35180864.61

11/26/2023 0945	26	140	-32	329	99	39413917.84
11/26/2023 1000	28	143	-33	333	99	43438247.16
11/26/2023 1015	30	146	-34	336	99	47211213.06
11/26/2023 1030	32	150	-35	340	99	50683227.98
11/26/2023 1045	33	154	-36	344	99	53791837.78
11/26/2023 1100	35	158	-37	348	99	56479655.79
11/26/2023 1115	36	162	-38	352	99	58710219.54
11/26/2023 1130	37	166	-38	357	99	60468849.46
11/26/2023 1145	37	170	-38	1	99	61753729.17
11/26/2023 1200	38	175	-38	5	99	62567001.13
11/26/2023 1215	38	179	-37	9	99	62910409.2
11/26/2023 1230	38	183	-37	13	99	62784569.92
11/26/2023 1245	38	188	-36	17	100	62189276.24
11/26/2023 1300	37	192	-35	21	100	61123340.78
11/26/2023 1315	36	196	-33	25	100	59584548.84
11/26/2023 1330	35	200	-32	28	100	57572028.7
11/26/2023 1345	34	204	-30	32	100	55093203.68
11/26/2023 1400	33	208	-29	35	100	52173704.87
11/26/2023 1415	31	212	-27	38	100	48862322.47
11/26/2023 1430	29	215	-25	41	100	45221825.35
11/26/2023 1445	27	219	-23	44	100	41309038.34
11/26/2023 1500	25	222	-20	47	100	37166856.56
11/26/2023 1515	23	225	-18	49	100	32847350.06
11/26/2023 1530	21	228	-16	51	100	28441736.1
11/26/2023 1545	18	230	-13	54	100	24060354.42
11/26/2023 1600	16	233	-11	56	100	19766938.97
11/26/2023 1615	13	235	-8	58	100	15576961.22
11/26/2023 1630	10	238	-5	60	100	11569272.71
11/26/2023 1645	8	240	-3	62	100	7918418.41
11/26/2023 1700	5	242	1	64	100	4732671.97
11/26/2023 1715	2	244	3	66	100	2144427.29
11/26/2023 1730	-1	246	6	67	100	415098.51
11/26/2023 1745	-4	248	9	69	100	33648.33
11/26/2023 1800	-7	250	12	71	100	1262.91
11/26/2023 1815	-10	251	15	72	100	87.84
11/26/2023 1830	-13	253	18	74	100	55.35
11/26/2023 1845	-16	255	21	75	100	64.24
11/26/2023 1900	-19	256	24	77	100	76.97
11/26/2023 1915	-22	258	27	78	100	90.29
11/26/2023 1930	-25	260	30	80	100	104.66
11/26/2023 1945	-29	261	33	81	100	119.44
11/26/2023 2000	-32	263	36	83	100	134.19
11/26/2023 2015	-35	265	39	84	100	148.34
11/26/2023 2030	-38	267	42	86	100	162.01
11/26/2023 2045	-41	268	45	87	100	175.95
11/26/2023 2100	-45	270	48	89	100	190.36
11/26/2023 2115	-48	272	52	91	100	204.54

11/26/2023 2130	-51	274	55	93	100	218.04
11/26/2023 2145	-54	277	58	95	100	230.94
11/26/2023 2200	-57	279	61	97	100	242.53
11/26/2023 2215	-61	282	64	100	100	251.65
11/26/2023 2230	-64	286	67	103	100	259.57
11/26/2023 2245	-67	290	70	107	100	268.68
11/26/2023 2300	-70	295	73	112	100	277
11/26/2023 2315	-73	301	76	119	100	281.4
11/26/2023 2330	-75	310	79	128	100	285.67
11/26/2023 2345	-77	321	81	143	100	291.71
11/27/2023 0000	-79	336	82	164	100	294.78
11/27/2023 0015	-80	355	83	190	100	295.66
11/27/2023 0030	-80	15	82	213	100	295.01
11/27/2023 0045	-78	32	79	229	100	290.86
11/27/2023 0100	-76	45	77	240	100	287.21
11/27/2023 0115	-74	55	74	248	100	284.82
11/27/2023 0130	-71	62	71	253	100	278.75
11/27/2023 0145	-68	68	68	257	100	270.48
11/27/2023 0200	-65	72	65	260	100	263.32
11/27/2023 0215	-62	76	62	263	100	255.7
11/27/2023 0230	-59	79	59	266	100	245.46
11/27/2023 0245	-56	82	56	268	100	233.27
11/27/2023 0300	-53	84	53	270	100	220.25
11/27/2023 0315	-49	87	50	272	100	206.4
11/27/2023 0330	-46	89	46	274	100	191.94
11/27/2023 0345	-43	91	43	275	100	177.65
11/27/2023 0400	-40	93	40	277	100	163.73
11/27/2023 0415	-37	94	37	278	100	149.48
11/27/2023 0430	-33	96	34	280	100	134.43
11/27/2023 0445	-30	98	31	281	100	119
11/27/2023 0500	-27	99	28	283	100	103.81
11/27/2023 0515	-24	101	25	284	100	89.05
11/27/2023 0530	-21	103	22	286	100	74.84
11/27/2023 0545	-18	104	19	288	100	62.18
11/27/2023 0600	-15	106	16	289	100	50.99
11/27/2023 0615	-12	108	13	291	100	50.12
11/27/2023 0630	-8	110	10	292	100	242.32
11/27/2023 0645	-5	111	8	294	100	6445.1
11/27/2023 0700	-2	113	5	296	100	127915.92
11/27/2023 0715	1	115	2	298	100	1195998.2
11/27/2023 0730	4	117	-1	299	100	3280762.89
11/27/2023 0745	6	119	-3	301	100	6185876.15
11/27/2023 0800	9	121	-6	303	100	9589489.12
11/27/2023 0815	12	124	-9	305	100	13420231.41
11/27/2023 0830	14	126	-11	308	100	17519180.9
11/27/2023 0845	17	128	-13	310	100	21745646.13
11/27/2023 0900	19	131	-16	312	100	26065881.78

11/27/2023 0915	22	134	-18	315	100	30450439.33
11/27/2023 0930	24	137	-20	317	100	34807460.18
11/27/2023 0945	26	140	-22	320	100	39029163.16
11/27/2023 1000	28	143	-24	323	100	43044086.42
11/27/2023 1015	30	146	-26	326	100	46808926.72
11/27/2023 1030	32	150	-27	329	100	50276118.24
11/27/2023 1045	33	154	-29	332	100	53385122.36
11/27/2023 1100	34	158	-30	336	100	56078475.07
11/27/2023 1115	36	162	-31	339	100	58318004.76
11/27/2023 1130	36	166	-32	343	100	60087076.66
11/27/2023 1145	37	170	-33	347	100	61382623.85
11/27/2023 1200	38	174	-34	350	100	62206352.25
11/27/2023 1215	38	179	-34	354	100	62560021.59
11/27/2023 1230	38	183	-34	358	100	62444337.27
11/27/2023 1245	37	188	-34	2	100	61859082.38
11/27/2023 1300	37	192	-34	6	100	60803030.55
11/27/2023 1315	36	196	-33	10	100	59274142.55
11/27/2023 1330	35	200	-33	14	100	57272189.46
11/27/2023 1345	34	204	-32	17	100	54805691.83
11/27/2023 1400	32	208	-31	21	100	51901316.59
11/27/2023 1415	31	212	-30	24	100	48607977.15
11/27/2023 1430	29	215	-28	28	100	44987238.54
11/27/2023 1445	27	219	-27	31	100	41094205.37
11/27/2023 1500	25	222	-25	34	100	36971161.82
11/27/2023 1515	23	225	-23	37	100	32671231.86
11/27/2023 1530	21	227	-21	40	100	28286562.68
11/27/2023 1545	18	230	-19	42	100	23926184.58
11/27/2023 1600	16	233	-17	45	100	19651478.39
11/27/2023 1615	13	235	-15	47	100	15478187.1
11/27/2023 1630	10	237	-13	50	100	11487873.57
11/27/2023 1645	8	240	-10	52	100	7854866.53
11/27/2023 1700	5	242	-8	54	100	4684815.55
11/27/2023 1715	2	244	-5	56	99	2113955.69
11/27/2023 1730	-1	246	-3	58	99	404850.25
11/27/2023 1745	-4	248	0	60	99	32552.8
11/27/2023 1800	-7	249	3	61	99	1199.98
11/27/2023 1815	-10	251	6	63	99	57.65
11/27/2023 1830	-13	253	8	65	99	21.14
11/27/2023 1845	-16	255	11	66	99	25.08
11/27/2023 1900	-19	256	14	68	99	32.72
11/27/2023 1915	-22	258	17	69	99	40.86
11/27/2023 1930	-25	260	20	71	99	50.17
11/27/2023 1945	-29	261	23	72	99	60.13
11/27/2023 2000	-32	263	26	74	99	70.51
11/27/2023 2015	-35	265	29	75	99	81.12
11/27/2023 2030	-38	266	32	77	99	91.91
11/27/2023 2045	-41	268	35	78	99	102.63

11/27/2023 2100	-45	270	38	79	99	112.83
11/27/2023 2115	-48	272	41	81	99	122.38
11/27/2023 2130	-51	274	44	82	99	131.76
11/27/2023 2145	-54	276	47	84	99	141.39
11/27/2023 2200	-57	279	50	85	99	150.94
11/27/2023 2215	-61	282	53	87	99	159.89
11/27/2023 2230	-64	285	57	88	99	168.27
11/27/2023 2245	-67	289	60	90	99	175.9
11/27/2023 2300	-70	294	63	92	99	181.88
11/27/2023 2315	-73	301	66	94	99	186.26
11/27/2023 2330	-75	309	69	96	99	191.03
11/27/2023 2345	-78	320	72	99	99	196.21
11/28/2023 0000	-79	335	75	103	99	198.78
11/28/2023 0015	-80	354	78	109	99	200.24
11/28/2023 0030	-80	15	81	118	99	203.87
11/28/2023 0045	-79	32	84	133	99	204.02
11/28/2023 0100	-77	46	86	165	99	203.07
11/28/2023 0115	-74	55	85	207	99	201.98
11/28/2023 0130	-71	63	83	233	99	201.52
11/28/2023 0145	-68	68	81	246	99	198.24
11/28/2023 0200	-65	73	78	254	99	193.3
11/28/2023 0215	-62	76	75	259	99	190.42
11/28/2023 0230	-59	79	71	262	99	185.47
11/28/2023 0245	-56	82	68	265	99	178.83
11/28/2023 0300	-53	85	65	268	99	173.06
11/28/2023 0315	-50	87	62	270	99	167.24
11/28/2023 0330	-46	89	59	271	99	159.85
11/28/2023 0345	-43	91	56	273	99	151.3
11/28/2023 0400	-40	93	53	275	99	142.34
11/28/2023 0415	-37	95	50	276	99	132.98
11/28/2023 0430	-34	96	47	278	99	123.34
11/28/2023 0445	-30	98	43	279	99	113.9
11/28/2023 0500	-27	100	40	281	99	104.81
11/28/2023 0515	-24	101	37	282	99	95.62
11/28/2023 0530	-21	103	34	283	99	86.02
11/28/2023 0545	-18	105	31	285	98	76.9
11/28/2023 0600	-15	106	28	286	98	68.29
11/28/2023 0615	-12	108	25	287	98	68.21
11/28/2023 0630	-9	110	22	289	98	229.9
11/28/2023 0645	-6	112	19	290	98	5416.33
11/28/2023 0700	-3	113	17	292	98	111227.46
11/28/2023 0715	1	115	14	293	98	1114703.08
11/28/2023 0730	3	117	11	295	98	3131487.02
11/28/2023 0745	6	119	8	297	98	5995960.49
11/28/2023 0800	9	121	5	298	98	9363164.88
11/28/2023 0815	12	124	3	300	98	13160555.63
11/28/2023 0830	14	126	0	302	98	17235319.84

11/28/2023 0845	17	129	-3	304	98	21440782.99
11/28/2023 0900	19	131	-5	306	98	25737937.94
11/28/2023 0915	22	134	-8	308	98	30100632.92
11/28/2023 0930	24	137	-10	310	98	34441521.28
11/28/2023 0945	26	140	-12	312	98	38652333.12
11/28/2023 1000	28	143	-15	315	98	42658545.59
11/28/2023 1015	30	146	-17	317	98	46415903.86
11/28/2023 1030	31	150	-19	320	98	49878608.5
11/28/2023 1045	33	154	-21	322	98	52988042.76
11/28/2023 1100	34	158	-22	325	98	55686861.1
11/28/2023 1115	35	162	-24	328	98	57935376.64
11/28/2023 1130	36	166	-26	331	98	59715078.26
11/28/2023 1145	37	170	-27	334	98	61021619.74
11/28/2023 1200	37	174	-28	337	98	61856197.7
11/28/2023 1215	38	179	-29	341	98	62220525.94
11/28/2023 1230	38	183	-30	344	98	62115373.59
11/28/2023 1245	37	188	-31	348	98	61540527.59
11/28/2023 1300	37	192	-32	352	98	60494761.9
11/28/2023 1315	36	196	-32	355	98	58976249.66
11/28/2023 1330	35	200	-32	359	98	56985399.1
11/28/2023 1345	34	204	-32	3	98	54531746.9
11/28/2023 1400	32	208	-32	6	97	51642853.12
11/28/2023 1415	31	212	-31	10	97	48367633.69
11/28/2023 1430	29	215	-31	14	97	44766455.71
11/28/2023 1445	27	218	-30	17	97	40892844.06
11/28/2023 1500	25	221	-29	21	97	36788600.07
11/28/2023 1515	23	224	-28	24	97	32507853.44
11/28/2023 1530	20	227	-26	27	97	28143519.51
11/28/2023 1545	18	230	-25	30	97	23803317.04
11/28/2023 1600	16	232	-23	33	97	19546497.51
11/28/2023 1615	13	235	-21	36	97	15389157.17
11/28/2023 1630	10	237	-19	39	97	11415282.75
11/28/2023 1645	8	239	-17	42	97	7798860.53
11/28/2023 1700	5	242	-15	44	97	4643224.01
11/28/2023 1715	2	244	-13	46	97	2088007.42
11/28/2023 1730	-1	245	-11	49	97	396384.19
11/28/2023 1745	-4	247	-9	51	97	31689.07
11/28/2023 1800	-7	249	-6	53	97	1164.48
11/28/2023 1815	-10	251	-4	55	97	46.64
11/28/2023 1830	-13	253	-1	57	97	5.2
11/28/2023 1845	-16	254	2	59	97	3.83
11/28/2023 1900	-19	256	4	60	97	6.22
11/28/2023 1915	-22	258	7	62	97	9.33
11/28/2023 1930	-25	259	10	64	97	13.67
11/28/2023 1945	-29	261	13	65	97	18.67
11/28/2023 2000	-32	263	15	67	97	24.14
11/28/2023 2015	-35	264	18	68	97	30.02

11/28/2023 2030	-38	266	21	70	97	36.34
11/28/2023 2045	-41	268	24	71	96	43.04
11/28/2023 2100	-45	270	27	72	96	49.97
11/28/2023 2115	-48	272	30	74	96	57.05
11/28/2023 2130	-51	274	33	75	96	64.24
11/28/2023 2145	-54	276	36	76	96	71.28
11/28/2023 2200	-57	279	39	78	96	77.93
11/28/2023 2215	-61	282	42	79	96	84.25
11/28/2023 2230	-64	285	45	80	96	90.62
11/28/2023 2245	-67	289	48	82	96	97.14
11/28/2023 2300	-70	294	51	83	96	103.49
11/28/2023 2315	-73	300	55	84	96	109.44
11/28/2023 2330	-75	308	58	86	96	115.03
11/28/2023 2345	-78	319	61	87	96	119.98
11/29/2023 0000	-79	335	64	89	96	123.69
11/29/2023 0015	-80	354	67	91	96	126.71
11/29/2023 0030	-80	14	70	93	96	130.31
11/29/2023 0045	-79	32	73	96	96	133.58
11/29/2023 0100	-77	46	76	99	96	134.85
11/29/2023 0115	-74	56	80	104	96	136.64
11/29/2023 0130	-72	63	83	111	96	138.91
11/29/2023 0145	-69	68	85	128	96	138.21
11/29/2023 0200	-66	73	87	171	96	139.54
11/29/2023 0215	-62	77	86	223	96	137.7
11/29/2023 0230	-59	80	83	245	96	137.06
11/29/2023 0245	-56	82	80	255	95	134.89
11/29/2023 0300	-53	85	77	260	95	131.63
11/29/2023 0315	-50	87	74	264	95	129.76
11/29/2023 0330	-47	89	71	266	95	126.28
11/29/2023 0345	-43	91	68	269	95	121.85
11/29/2023 0400	-40	93	65	271	95	118.07
11/29/2023 0415	-37	95	62	272	95	114.1
11/29/2023 0430	-34	96	59	274	95	109.02
11/29/2023 0445	-31	98	56	275	95	103.22
11/29/2023 0500	-27	100	52	277	95	97.14
11/29/2023 0515	-24	101	49	278	95	90.78
11/29/2023 0530	-21	103	46	279	95	84.25
11/29/2023 0545	-18	105	43	281	95	78.53
11/29/2023 0600	-15	106	40	282	95	73.27
11/29/2023 0615	-12	108	37	283	95	75.12
11/29/2023 0630	-9	110	34	285	95	212.71
11/29/2023 0645	-6	112	31	286	95	4551.92
11/29/2023 0700	-3	113	28	287	95	96552.4
11/29/2023 0715	1	115	25	289	95	1038312.03
11/29/2023 0730	3	117	22	290	95	2986659.42
11/29/2023 0745	6	119	19	292	95	5810133.68
11/29/2023 0800	9	122	16	293	95	9141664.53

11/29/2023 0815	11	124	14	295	94	12905927.01
11/29/2023 0830	14	126	11	296	94	16956647.67
11/29/2023 0845	17	129	8	298	94	21141826.29
11/29/2023 0900	19	131	5	299	94	25416799.63
11/29/2023 0915	21	134	3	301	94	29758183.96
11/29/2023 0930	24	137	0	303	94	34083243.95
11/29/2023 0945	26	140	-3	305	94	38283611.73
11/29/2023 1000	28	143	-5	307	94	42281797.2
11/29/2023 1015	30	146	-8	309	94	46032339.14
11/29/2023 1030	31	150	-10	311	94	49490946.95
11/29/2023 1045	33	154	-12	313	94	52600904.29
11/29/2023 1100	34	158	-14	315	94	55305153.7
11/29/2023 1115	35	162	-17	318	94	57562679.02
11/29/2023 1130	36	166	-19	320	94	59353179.94
11/29/2023 1145	37	170	-21	323	94	60671016.22
11/29/2023 1200	37	174	-22	326	94	61516813.81
11/29/2023 1215	37	179	-24	329	94	61892184.86
11/29/2023 1230	37	183	-25	332	94	61797938.04
11/29/2023 1245	37	187	-27	335	94	61233874.74
11/29/2023 1300	37	192	-28	338	94	60198801.68
11/29/2023 1315	36	196	-29	342	93	58691131.71
11/29/2023 1330	35	200	-30	345	93	56711895.61
11/29/2023 1345	34	204	-31	349	93	54271562.93
11/29/2023 1400	32	208	-31	353	93	51398453.74
11/29/2023 1415	31	211	-31	356	93	48141384.43
11/29/2023 1430	29	215	-32	360	93	44559544.2
11/29/2023 1445	27	218	-31	4	93	40705014.72
11/29/2023 1500	25	221	-31	7	93	36619222.98
11/29/2023 1515	23	224	-31	11	93	32357243.09
11/29/2023 1530	20	227	-30	14	93	28012608.19
11/29/2023 1545	18	230	-29	18	93	23691743.89
11/29/2023 1600	16	232	-28	21	93	19451992.3
11/29/2023 1615	13	235	-27	25	93	15309858.52
11/29/2023 1630	10	237	-26	28	93	11351463.38
11/29/2023 1645	8	239	-24	31	93	7750354.98
11/29/2023 1700	5	241	-22	34	93	4607848
11/29/2023 1715	2	243	-21	37	93	2066490.96
11/29/2023 1730	-1	245	-19	39	93	389610.58
11/29/2023 1745	-4	247	-17	42	92	31028.43
11/29/2023 1800	-7	249	-15	44	92	1142.35
11/29/2023 1815	-10	251	-13	47	92	46.01
11/29/2023 1830	-13	252	-10	49	92	4.69
11/29/2023 1845	-16	254	-8	51	92	1.49
11/29/2023 1900	-19	256	-5	53	92	1.06
11/29/2023 1915	-22	257	-3	55	92	0.58
11/29/2023 1930	-25	259	0	57	92	1.25
11/29/2023 1945	-29	261	3	59	92	2.63

11/29/2023 2000	-32	262	5	61	92	4.83
11/29/2023 2015	-35	264	8	62	92	7.56
11/29/2023 2030	-38	266	11	64	92	10.8
11/29/2023 2045	-41	268	13	66	92	14.47
11/29/2023 2100	-45	270	16	67	92	18.47
11/29/2023 2115	-48	271	19	69	92	22.77
11/29/2023 2130	-51	274	22	70	92	27.38
11/29/2023 2145	-54	276	25	71	92	32.25
11/29/2023 2200	-57	278	28	73	92	37.27
11/29/2023 2215	-61	281	31	74	91	42.4
11/29/2023 2230	-64	284	34	76	91	47.58
11/29/2023 2245	-67	288	37	77	91	52.62
11/29/2023 2300	-70	293	40	78	91	57.35
11/29/2023 2315	-73	299	43	80	91	61.91
11/29/2023 2330	-75	307	46	81	91	66.56
11/29/2023 2345	-78	319	49	82	91	71.29
11/30/2023 0000	-80	334	52	84	91	75.84
11/30/2023 0015	-80	353	55	85	91	80.1
11/30/2023 0030	-80	14	58	87	91	84.1
11/30/2023 0045	-79	32	62	88	91	87.51
11/30/2023 0100	-77	46	65	90	91	90.02
11/30/2023 0115	-74	56	68	92	91	92.29
11/30/2023 0130	-72	63	71	95	91	95.01
11/30/2023 0145	-69	69	74	98	91	97.1
11/30/2023 0200	-66	73	77	102	91	97.88
11/30/2023 0215	-63	77	80	107	91	99.54
11/30/2023 0230	-59	80	83	117	90	100.71
11/30/2023 0245	-56	83	86	139	90	100.29
11/30/2023 0300	-53	85	87	187	90	100.75
11/30/2023 0315	-50	87	85	228	90	99.55
11/30/2023 0330	-47	89	82	245	90	99.4
11/30/2023 0345	-43	91	79	254	90	97.11
11/30/2023 0400	-40	93	76	259	90	95.27
11/30/2023 0415	-37	95	73	263	90	93.75
11/30/2023 0430	-34	97	70	266	90	90.84
11/30/2023 0445	-31	98	67	268	90	87.77
11/30/2023 0500	-28	100	64	270	90	85.12
11/30/2023 0515	-24	102	61	272	90	82.01
11/30/2023 0530	-21	103	58	273	90	78.1
11/30/2023 0545	-18	105	54	275	90	74.44
11/30/2023 0600	-15	107	51	276	90	70.79
11/30/2023 0615	-12	108	48	278	90	73.28
11/30/2023 0630	-9	110	45	279	89	190.7
11/30/2023 0645	-6	112	42	280	89	3824.06
11/30/2023 0700	-3	114	39	282	89	83685.94
11/30/2023 0715	0	115	36	283	89	966669.11
11/30/2023 0730	3	117	33	284	89	2846383.24

11/30/2023 0745	6	120	30	286	89	5628434.09
11/30/2023 0800	9	122	27	287	89	8925036.89
11/30/2023 0815	11	124	24	288	89	12656459.48
11/30/2023 0830	14	126	21	290	89	16683282.25
11/30/2023 0845	16	129	18	291	89	20848870.39
11/30/2023 0900	19	131	15	293	89	25102581.77
11/30/2023 0915	21	134	12	294	89	29423259.69
11/30/2023 0930	23	137	9	296	89	33732825.8
11/30/2023 0945	26	140	7	297	89	37923188.57
11/30/2023 1000	28	143	4	299	89	41914016.24
11/30/2023 1015	29	146	2	301	88	45658422.37
11/30/2023 1030	31	150	-1	303	88	49113370.22
11/30/2023 1045	33	154	-4	305	88	52223998.36
11/30/2023 1100	34	158	-7	307	88	54933681.06
11/30/2023 1115	35	162	-9	309	88	57200248.99
11/30/2023 1130	36	166	-11	311	88	59001705.78
11/30/2023 1145	37	170	-14	313	88	60331114.87
11/30/2023 1200	37	174	-16	316	88	61188481.04
11/30/2023 1215	37	179	-18	318	88	61575265
11/30/2023 1230	37	183	-20	321	88	61492292.04
11/30/2023 1245	37	187	-22	323	88	60939385.64
11/30/2023 1300	36	192	-24	326	88	59915411.3
11/30/2023 1315	36	196	-25	329	88	58419040.29
11/30/2023 1330	35	200	-27	333	88	56451903.89
11/30/2023 1345	33	204	-28	336	88	54025320.49
11/30/2023 1400	32	208	-29	339	87	51168246.98
11/30/2023 1415	30	211	-30	343	87	47929315.04
11/30/2023 1430	29	215	-31	346	87	44366567.63
11/30/2023 1445	27	218	-32	350	87	40530774.35
11/30/2023 1500	25	221	-32	354	87	36463078.03
11/30/2023 1515	23	224	-33	357	87	32219425.38
11/30/2023 1530	20	227	-33	1	87	27893828.74
11/30/2023 1545	18	230	-33	5	87	23591457.01
11/30/2023 1600	15	232	-32	9	87	19367957.85
11/30/2023 1615	13	235	-32	13	87	15240277.18
11/30/2023 1630	10	237	-31	16	87	11296380.21
11/30/2023 1645	8	239	-30	20	87	7709308.23
11/30/2023 1700	5	241	-29	23	87	4578644.28
11/30/2023 1715	2	243	-28	27	87	2049332.04
11/30/2023 1730	-1	245	-26	30	86	384465.53
11/30/2023 1745	-4	247	-25	33	86	30557.89
11/30/2023 1800	-7	249	-23	36	86	1127.93
11/30/2023 1815	-10	251	-21	39	86	45.69
11/30/2023 1830	-13	252	-19	41	86	4.68
11/30/2023 1845	-16	254	-17	44	86	1.49
11/30/2023 1900	-19	256	-15	46	86	1.05
11/30/2023 1915	-22	257	-13	49	86	0.5

11/30/2023 1930	-25	259	-10	51	86	0.5
11/30/2023 1945	-29	261	-8	53	86	0.5
11/30/2023 2000	-32	262	-5	55	86	0.5
11/30/2023 2015	-35	264	-3	57	86	0.57
11/30/2023 2030	-38	266	0	59	86	1.11
11/30/2023 2045	-41	267	3	61	86	2.2
11/30/2023 2100	-45	269	5	63	85	3.9
11/30/2023 2115	-48	271	8	64	85	6.01
11/30/2023 2130	-51	273	11	66	85	8.48
11/30/2023 2145	-54	276	14	68	85	11.29
11/30/2023 2200	-57	278	17	69	85	14.33
11/30/2023 2215	-61	281	20	71	85	17.59
11/30/2023 2230	-64	284	22	72	85	21.1
11/30/2023 2245	-67	288	25	74	85	24.78
11/30/2023 2300	-70	293	28	75	85	28.57
11/30/2023 2315	-73	299	31	77	85	32.43
11/30/2023 2330	-75	307	34	78	85	36.31
11/30/2023 2345	-78	318	38	79	85	40.03

DST ends