

		1 Jan			2 Jan			3 Jan			4 Jan			5 Jan			6 Jan								
		GHA			GHA			GHA			GHA			GHA			GHA								
h	m	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d								
0	0	319	18.3	9	42.5	308	19.1	5	31.0	297	17.6	1	0.8	286	3.1	-3	37.6	274	23.7	-8	12.1	262	7.5	-12	28.4
20		324	9.1	9	39.2	313	9.9	5	27.4	302	8.3	0	56.9	290	53.6	-3	41.5	279	13.8	-8	15.8	266	56.9	-12	31.8
40		328	59.9	9	35.9	318	0.8	5	23.7	306	59.0	0	53.1	295	44.1	-3	45.3	284	3.8	-8	19.5	271	46.4	-12	35.1
1	0	333	50.7	9	32.5	322	51.6	5	20.1	311	49.8	0	49.3	300	34.6	-3	49.2	288	53.9	-8	23.2	276	35.8	-12	38.5
20		338	41.6	9	29.2	327	42.5	5	16.4	316	40.5	0	45.4	305	25.0	-3	53.1	293	43.9	-8	26.9	281	25.3	-12	41.8
40		343	32.4	9	25.9	332	33.3	5	12.8	321	31.3	0	41.6	310	15.5	-3	56.9	298	33.9	-8	30.6	286	14.7	-12	45.2
2	0	348	23.2	9	22.5	337	24.1	5	9.1	326	22.0	0	37.7	315	6.0	-4	0.8	303	23.9	-8	34.3	291	4.1	-12	48.5
20		353	14.0	9	19.2	342	15.0	5	5.4	331	12.7	0	33.9	319	56.4	-4	4.7	308	14.0	-8	38.0	295	53.5	-12	51.8
40		358	4.9	9	15.8	347	5.8	5	1.7	336	3.5	0	30.0	324	46.9	-4	8.5	313	4.0	-8	41.7	300	42.9	-12	55.1
3	0	2	55.7	9	12.4	351	56.7	4	58.1	340	54.2	0	26.2	329	37.3	-4	12.4	317	54.0	-8	45.4	305	32.3	-12	58.4
20		7	46.5	9	9.1	356	47.5	4	54.4	345	44.9	0	22.4	334	27.8	-4	16.3	322	43.9	-8	49.1	310	21.7	-12	61.7
40		12	37.4	9	5.7	1	38.4	4	50.7	350	35.6	0	18.5	339	18.2	-4	20.1	327	33.9	-8	52.8	315	11.1	-13	5.0
4	0	17	28.2	9	2.3	6	29.2	4	47.0	355	26.4	0	14.6	344	8.6	-4	24.0	332	23.9	-8	56.5	320	0.5	-13	8.3
20		22	19.0	8	58.9	11	20.1	4	43.3	345	44.9	0	10.8	348	59.0	-4	27.8	337	13.9	-9	0.2	324	49.8	-13	11.5
40		27	9.9	8	55.5	16	10.9	4	39.6	5	7.8	0	6.9	353	49.5	-4	31.7	342	3.8	-9	3.8	329	39.2	-13	14.8
5	0	32	0.7	8	52.1	21	1.8	4	35.9	9	58.5	0	3.1	358	39.9	-4	35.5	346	53.8	-9	7.5	334	28.5	-13	18.1
20		36	51.5	8	48.7	25	52.6	4	32.2	14	49.2	-0	0.8	3	30.3	-4	39.4	351	43.7	-9	11.2	339	17.8	-13	21.3
40		41	42.4	8	45.3	30	43.4	4	28.5	19	39.9	-0	4.6	8	20.7	-4	43.3	356	33.6	-9	14.8	344	7.1	-13	24.6
6	0	46	33.2	8	41.9	35	34.3	4	24.8	24	30.6	-0	8.5	13	11.1	-4	47.1	1	23.6	-9	18.5	348	56.4	-13	27.8
20		51	24.0	8	38.5	40	25.1	4	21.1	29	21.0	-0	12.4	18	1.5	-4	51.0	6	13.5	-9	22.1	353	45.7	-13	31.0
40		56	14.9	8	35.1	45	15.9	4	17.4	34	12.0	-0	16.2	22	51.9	-4	54.8	11	3.4	-9	25.8	358	35.0	-13	34.2
7	0	61	5.7	8	31.7	50	6.8	4	13.7	39	2.7	-0	20.1	27	42.3	-4	58.6	15	53.3	-9	29.4	3	24.3	-13	37.5
20		65	56.5	8	28.3	54	57.6	4	10.0	43	53.4	-0	23.9	32	32.6	-5	2.5	20	43.2	-9	33.0	8	13.6	-13	40.7
40		70	47.4	8	24.8	59	48.5	4	6.3	48	44.1	-0	27.8	37	23.0	-5	6.3	25	33.1	-9	36.7	13	2.8	-13	43.9
8	0	75	38.2	8	21.4	64	39.3	4	2.5	53	34.8	-0	31.7	42	13.4	-5	10.2	30	23.0	-9	40.3	17	52.1	-13	47.1
20		80	29.1	8	17.9	69	30.1	3	58.8	58	25.4	-0	35.5	47	3.7	-5	14.0	35	12.8	-9	43.9	22	41.3	-13	50.2
40		85	19.9	8	14.5	74	21.0	3	55.1	63	16.1	-0	39.4	51	54.1	-5	17.9	40	2.7	-9	47.6	27	30.6	-13	53.4
9	0	90	10.8	8	11.0	79	11.8	3	51.3	68	6.8	-0	43.3	56	44.4	-5	21.7	44	52.6	-9	51.2	32	19.8	-13	56.6
20		95	1.6	8	7.6	84	2.6	3	47.6	72	57.5	-0	47.1	61	34.8	-5	25.5	49	42.4	-9	54.8	37	9.0	-13	59.7
40		99	52.4	8	4.1	88	53.4	3	43.9	77	48.1	-0	51.0	66	25.1	-5	29.4	54	32.2	-9	58.4	41	58.2	-14	2.9
10	0	104	43.3	8	0.6	93	44.3	3	40.1	82	38.8	-0	54.9	71	15.5	-5	33.2	59	22.1	-10	2.0	46	47.4	-14	6.0
20		109	34.1	7	57.2	98	35.1	3	36.4	87	29.4	-0	58.7	76	5.8	-5	37.0	64	11.9	-10	5.6	51	36.6	-14	9.2
40		114	25.0	7	53.7	103	25.9	3	32.6	92	20.1	-1	2.6	80	56.1	-5	40.9	69	1.7	-10	9.2	56	25.8	-14	12.3
11	0	119	15.8	7	50.2	108	16.7	3	28.9	97	10.7	-1	6.5	85	46.4	-5	44.7	73	51.5	-10	12.8	61	14.9	-14	15.4
20		124	6.7	7	46.7	113	7.6	3	25.1	102	1.4	-1	10.4	90	36.7	-5	48.5	78	41.3	-10	16.4	66	4.1	-14	18.5
40		128	57.5	7	43.2	117	58.4	3	21.4	106	52.0	-1	14.2	95	27.0	-5	52.3	83	31.1	-10	19.9	70	53.2	-14	21.6
12	0	133	48.4	7	39.7	122	49.2	3	17.6	111	42.7	-1	18.1	100	17.3	-5	56.2	88	20.9	-10	23.5	75	42.4	-14	24.7
20		138	39.2	7	36.2	127	40.0	3	13.9	116	33.3	-1	22.0	105	7.6	-6	0.0	93	10.7	-10	27.1	80	31.5	-14	27.8
40		143	30.1	7	32.7	132	30.8	3	10.1	121	24.0	-1	25.9	109	57.9	-6	3.8	98	0.4	-10	30.6	85	20.6	-14	30.9
13	0	148	20.9	7	29.2	137	21.7	3	6.3	126	14.6	-1	29.7	114	48.2	-6	7.6	102	50.2	-10	34.2	90	9.7	-14	33.9
20		153	11.8	7	25.7	142	12.5	3	2.6	131	5.2	-1	33.6	119	38.4	-6	11.4	107	40.0	-10	37.7	94	58.8	-14	37.0
40		158	2.6	7	22.2	147	3.3	2	58.8	135	55.8	-1	37.5	124	28.7	-6	15.2	112	29.7	-10	41.3	99	47.9	-14	40.0
14	0	162	53.5	7	18.7	151	54.1	2	55.0	140	46.5	-1	41.4	129	19.0	-6	19.0	117	19.4	-10	44.8	104	37.0	-14	43.1
20		167	44.3	7	15.1	156	44.9	2	51.2	145	37.1	-1	45.2	134	9.2	-6	22.8	122	9.2	-10	48.4	109	26.1	-14	46.1
40		172	35.2	7	11.6	161	35.7	2	47.5	150	27.7	-1	49.1	138	59.5	-6	26.7	126	58.9	-10	51.9	114	15.1	-14	49.1
15	0	177	26.0	7	8.1	166	26.5	2	43.7	155	18.3	-1	53.0	143	49.7	-6	30.5	131	48.6	-10	55.4	119	4.2	-14	52.1
20		182	16.9	7	4.5	171	17.3	2	39.9	160	8.9	-1	56.9	148	40.0	-6	34.3	136	38.3	-10	58.9	123	53.2	-14	55.2
40		187	7.7	7	1.0	176	8.1	2	36.1	164	59.5	-2	0.7	153	30.2	-6	38.1	141	28.0	-11	2.5	128	42.3	-14	58.2
16	0	191	58.6	6	57.4	180	58.9	2	32.3	169	50.1	-2	4.6	158	20.4	-6	41.8	146	17.7	-11	6.0	133	31.3	-15	1.1
20		196	49.4	6	53.9	185	49.7	2	28.5	174	40.7	-2	8.5	163	10.6	-6	45.6	151	7.3	-11	9.5	138	20.3	-15	4.1
40		201	40.3	6	50.3	190	40.5	2	24.7	179	31.3	-2	12.4	168	0.8	-6	49.4	155	57.0	-11	13.0	143	9.3	-15	7.1
17	0	206	31.1	6	46.8	195	31.3	2	20.																

		7 Jan			8 Jan			9 Jan			10 Jan			11 Jan			12 Jan														
		GHA			GHA			GHA			GHA			GHA			GHA														
		Dec			Dec			Dec			Dec			Dec			Dec														
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>													
0	0	249	4.9	-16	10.0		235	12.7	-18	58.2		220	37.6	-20	34.9		205	37.9	-20	46.9		190	39.7	-19	30.5		176	8.5	-16	53.6	
	20	253	53.7	-16	12.7		240	0.8	-19	0.0		225	25.2	-20	35.6		210	25.4	-20	46.4	0.5		195	27.4	-19	28.9		180	56.7	-16	50.9
	40	258	42.5	-16	15.5	288.8	244	48.9	-19	1.9	-1.8	230	12.8	-20	36.4	-0.7	215	12.8	-20	45.9			200	15.1	-19	27.2		185	44.9	-16	48.2
1	0	263	31.2	-16	18.2		249	37.0	-19	3.7		235	0.5	-20	37.1		220	0.3	-20	45.4			205	2.8	-19	25.5		190	33.1	-16	45.5
	20	268	20.0	-16	20.9		254	25.1	-19	5.6	-1.8	239	48.1	-20	37.8		224	47.7	-20	44.9	0.5		209	50.4	-19	23.8		195	21.3	-16	42.8
	40	273	8.7	-16	23.6	288.7	259	13.2	-19	7.4	-1.8	244	35.7	-20	38.5		229	35.2	-20	44.4			214	38.1	-19	22.1		200	9.5	-16	40.1
2	0	277	57.4	-16	26.3		264	1.3	-19	9.2		249	23.3	-20	39.2		234	22.6	-20	43.9			219	25.8	-19	20.3		204	57.7	-16	37.3
	20	282	46.2	-16	29.0		268	49.3	-19	11.0	-1.8	254	10.8	-20	39.9		239	10.1	-20	43.3	0.6		224	13.5	-19	18.6		209	46.0	-16	34.6
	40	287	34.9	-16	31.7	288.7	273	37.4	-19	12.7	-1.8	258	58.4	-20	40.5		243	57.5	-20	42.7			229	1.2	-19	16.8		214	34.2	-16	31.8
3	0	292	23.6	-16	34.3		278	25.4	-19	14.5		263	46.0	-20	41.2		248	45.0	-20	42.1			233	48.9	-19	15.0		219	22.5	-16	29.1
	20	297	12.3	-16	37.0		283	13.4	-19	16.2	-1.7	268	33.6	-20	41.8		253	32.4	-20	41.5	0.6		238	36.6	-19	13.2		224	10.7	-16	26.3
	40	302	0.9	-16	39.6	288.7	288	1.5	-19	18.0	-1.7	273	21.2	-20	42.4	-0.6	258	19.9	-20	40.9			243	24.4	-19	11.4		228	59.0	-16	23.5
4	0	306	49.6	-16	42.2		292	49.5	-19	19.7		278	8.7	-20	43.0		263	7.4	-20	40.2			248	12.1	-19	9.6		233	47.3	-16	20.7
	20	311	38.3	-16	44.9		297	37.5	-19	21.4	-1.7	282	56.3	-20	43.5		267	54.8	-20	39.6	0.7		252	59.8	-19	7.7		238	35.6	-16	17.8
	40	316	26.9	-16	47.5	288.7	302	25.5	-19	23.1	-1.7	287	43.9	-20	44.1	-0.5	272	42.3	-20	38.9			257	47.6	-19	5.9		243	23.9	-16	15.0
5	0	321	15.6	-16	50.1		307	13.5	-19	24.7		292	31.4	-20	44.6		277	29.7	-20	38.2			262	35.3	-19	4.0		248	12.2	-16	12.2
	20	326	4.2	-16	52.7		312	1.5	-19	26.4	-1.7	297	19.0	-20	45.2	-0.5	282	17.2	-20	37.5	0.7		267	23.1	-19	2.1		253	0.5	-16	9.3
	40	330	52.8	-16	55.2	288.6	316	49.5	-19	28.0	-1.7	302	6.5	-20	45.7	-0.5	287	4.7	-20	36.7			272	10.8	-19	0.2		257	48.8	-16	6.5
6	0	335	41.4	-16	57.8		321	37.4	-19	29.7		306	54.1	-20	46.1		291	52.1	-20	36.0			276	58.6	-18	58.3		262	37.1	-16	3.6
	20	340	30.1	-17	0.3		326	25.4	-19	31.3	-1.6	311	41.6	-20	46.6	-0.5	296	39.6	-20	35.2	0.8		281	46.3	-18	56.4		267	25.5	-16	0.7
	40	345	18.6	-17	2.9	288.6	331	13.4	-19	32.9	-1.6	316	29.1	-20	47.1	-0.5	301	27.1	-20	34.4			286	34.1	-18	54.4		272	13.8	-15	57.8
7	0	350	7.2	-17	5.4		336	13.3	-19	34.5	-1.5	321	16.7	-20	47.5		306	14.6	-20	33.6			291	21.9	-18	52.4		277	2.2	-15	54.9
	20	354	55.8	-17	7.9		340	49.3	-19	36.0	-1.5	326	4.2	-20	47.9		311	2.0	-20	32.8	0.8		296	9.7	-18	50.5		281	50.6	-15	52.0
	40	359	44.4	-17	10.4	288.6	345	37.2	-19	37.6	-1.5	330	51.7	-20	48.3	-0.4	315	49.5	-20	31.9			300	57.5	-18	48.5		286	38.9	-15	49.0
8	0	4	32.9	-17	12.9		350	25.1	-19	39.1		335	39.2	-20	48.7		320	37.0	-20	31.1			305	45.3	-18	46.5		291	27.3	-15	46.1
	20	9	21.5	-17	15.4		355	13.0	-19	40.7	-1.5	340	26.8	-20	49.1	-0.3	325	24.5	-20	30.2	0.9		310	33.1	-18	44.4		296	15.7	-15	43.1
	40	14	10.0	-17	17.9	288.5	0	0.9	-19	42.2	-1.5	345	14.3	-20	49.4	-0.3	330	12.0	-20	29.3			315	20.9	-18	42.4		301	4.1	-15	40.2
9	0	18	58.5	-17	20.3		4	48.8	-19	43.7		350	1.8	-20	49.7		334	59.4	-20	28.4			320	8.7	-18	40.3		305	52.5	-15	37.2
	20	23	47.1	-17	22.8		9	36.7	-19	45.1	-1.5	354	49.3	-20	50.0	-0.3	339	46.9	-20	27.5	0.9		324	56.6	-18	38.3		310	41.0	-15	34.2
	40	28	35.6	-17	25.2	288.5	14	24.6	-19	46.6	-1.5	359	36.8	-20	50.3	-0.3	344	34.4	-20	26.6			329	44.4	-18	36.2		315	29.4	-15	31.2
10	0	33	24.1	-17	27.6		19	12.5	-19	48.1	-1.4	4	24.3	-20	50.6		349	21.9	-20	25.6			334	32.2	-18	34.1		320	17.8	-15	28.2
	20	38	12.6	-17	30.1		24	0.4	-19	49.5	-1.4	9	11.8	-20	50.9	-0.3	354	9.4	-20	24.6	1.0		339	20.1	-18	32.0		325	6.3	-15	25.2
	40	43	1.0	-17	32.5	288.5	28	48.2	-19	50.9	-1.4	13	59.3	-20	51.1	-0.3	358	56.9	-20	23.7	1.0		344	8.0	-18	29.9		329	54.8	-15	22.2
11	0	47	49.5	-17	34.8		33	36.1	-19	52.3		18	46.8	-20	51.4		3	44.4	-20	22.6			348	55.8	-18	27.7		334	43.2	-15	19.1
	20	52	38.0	-17	37.2		38	24.0	-19	53.7	-1.4	23	34.3	-20	51.6	-0.2	8	31.9	-20	21.6	1.0		353	43.7	-18	25.6		339	31.7	-15	16.1
	40	57	26.4	-17	39.6	288.5	43	11.8	-19	55.1	-1.4	28	21.8	-20	51.8	-0.2	13	19.4	-20	20.6	1.0		358	31.6	-18	23.4		344	20.2	-15	13.0
12	0	62	14.9	-17	41.9		47	59.6	-19	56.4		33	9.3	-20	52.0		18	6.9	-20	19.5			3	19.5	-18	21.2		349	8.7	-15	10.0
	20	67	3.3	-17	44.3		52	47.5	-19	57.8	-1.3	37	56.8	-20	52.1	-0.1	22	54.4	-20	18.4	1.1		8	7.4	-18	19.0		353	57.2	-15	6.9
	40	71	51.7	-17	46.6	288.4	57	35.3	-19	59.1	-1.3	42	44.3	-20	52.3	-0.1	27	41.9	-20	17.4	1.1		12	55.3	-18	16.8		358	45.7	-15	3.8
13	0	76	40.1	-17	48.9		62	23.1	-20	0.4		47	31.8	-20	52.4		32	29.5	-20	16.3			17	43.2	-18	14.6		3	34.2	-15	0.7
	20	81	28.5	-17	51.2		67	10.9	-20	1.7	-1.3	52	19.2	-20	52.5	-0.1	37	17.0	-20	15.1	1.2		22	31.1	-18	12.3		8	22.8	-14	57.6
	40	86	16.9	-17	53.5	288.4	71	58.7	-20	3.0	-1.3	57	6.7	-20	52.6	-0.1	42	4.5	-20	14.0	1.2		27	19.0	-18	10.1		13	11.3	-14	54.5
14	0	91	5.3	-17	55.8		76	46.5	-20	4.3		61	54.2	-20	52.7		46	52.0	-20	12.8			32	6.9	-18	7.8		17	59.9	-14	51.3
	20	95	53.7	-17	58.1		81	34.3	-20	5.5	-1.2	66	41.7	-20	52.7		51	39.6	-20	11.7	1.2		36	54.9	-18	5.5		22	48.4	-14	48.2
	40	100	42.1	-18	0.3	288.4	86	22.1	-20	6.8	-1.2	71	29.1	-20	52.8	0.0	56	27.1	-20	10.5	1.2		41	42.8	-18	3.2		27	37.0	-14	45.0
15	0	105	30.4	-18	2.6		91	9.9	-20	8.0		76	16.6	-20	52.8		61	14.6	-20	9.3			46	30.8	-18	0.9		32	25.6	-14	41.9
	20	110	18.8	-18	4.8		95	57.7	-20	9.2	-1.2	81	4.1	-20	52.8	0.0	66	2.2	-20	8.0	1.3		51	18.7	-17	58.6		37	14.2	-14	38.7
	40	115	7.1	-18	7.0	288.3	100	45.4	-20	10.4	-1.2	85	51.5	-20	52.8	0.0	70	49.7	-20	6.8	1.3		56	6.7	-17	56.3		42	2.8	-14	35.5
16	0	119																													

		13 Jan				14 Jan				15 Jan				16 Jan				17 Jan				18 Jan			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	162	20.9	-13	13.1	149	22.1	-8	50.5	137	8.0	-4	7.0	125	29.0	0	39.5	114	13.9	5	14.6	103	11.3	9	27.6
0	20	167	9.8	-13	9.7	154	11.6	-8	46.7	141	58.0	-4	3.0	130	19.5	0	43.4	119	4.7	5	18.3	108	2.1	9	30.9
0	40	171	58.6	-13	6.2	159	1.1	-8	42.8	146	48.1	-3	59.0	135	10.0	0	47.3	123	55.4	5	22.0	112	53.0	9	34.2
1	0	176	47.5	-13	2.8	163	50.7	-8	39.0	151	38.2	-3	55.0	140	0.5	0	51.2	128	46.1	5	25.7	117	43.8	9	37.5
1	20	181	36.4	-12	59.4	168	40.2	-8	35.1	156	28.3	-3	51.0	144	51.0	0	55.2	133	36.9	5	29.3	122	34.7	9	40.8
1	40	186	25.3	-12	55.9	173	29.8	-8	31.3	161	18.4	-3	47.0	149	41.5	0	59.1	138	27.6	5	33.0	127	25.5	9	44.1
2	0	191	14.2	-12	52.5	178	19.3	-8	27.4	166	8.5	-3	43.0	154	32.0	1	3.0	143	18.4	5	36.7	132	16.3	9	47.4
2	20	196	3.1	-12	49.0	183	8.9	-8	23.5	170	58.6	-3	39.0	159	22.6	1	6.9	148	9.1	5	40.3	137	7.2	9	50.7
2	40	200	52.0	-12	45.6	187	58.5	-8	19.7	175	48.8	-3	35.0	164	13.1	1	10.8	152	59.9	5	44.0	141	58.0	9	54.0
3	0	205	40.9	-12	42.1	192	48.0	-8	15.8	180	38.9	-3	31.0	169	3.6	1	14.7	157	50.6	5	47.6	146	48.9	9	57.2
3	20	210	29.8	-12	38.6	197	37.6	-8	11.9	185	29.0	-3	27.0	173	54.1	1	18.6	162	41.4	5	51.3	151	39.7	10	0.5
3	40	215	18.8	-12	35.1	202	27.2	-8	8.1	190	19.2	-3	23.0	178	44.7	1	22.5	167	32.2	5	54.9	156	30.5	10	3.7
4	0	220	7.7	-12	31.6	207	16.9	-8	4.2	195	9.3	-3	19.0	183	35.2	1	26.4	172	22.9	5	58.6	161	21.4	10	7.0
4	20	224	56.7	-12	28.1	212	6.5	-8	0.3	199	59.5	-3	15.0	188	25.7	1	30.3	177	13.7	6	2.2	166	12.2	10	10.2
4	40	229	45.7	-12	24.6	216	56.1	-7	56.4	204	49.6	-3	11.0	193	16.3	1	34.2	182	4.4	6	5.8	171	3.0	10	13.5
5	0	234	34.7	-12	21.1	221	45.7	-7	52.5	209	39.8	-3	7.0	198	6.8	1	38.1	186	55.2	6	9.5	175	53.9	10	16.7
5	20	239	23.7	-12	17.6	226	35.4	-7	48.6	214	30.0	-3	3.0	202	57.4	1	42.0	191	46.0	6	13.1	180	44.7	10	19.9
5	40	244	12.7	-12	14.1	231	25.0	-7	44.7	219	20.2	-2	59.0	207	47.9	1	45.9	196	36.7	6	16.7	185	35.6	10	23.1
6	0	249	1.7	-12	10.5	236	14.7	-7	40.8	224	10.4	-2	55.0	212	38.5	1	49.8	201	27.5	6	20.3	190	26.4	10	26.3
6	20	253	50.7	-12	7.0	241	4.4	-7	36.9	229	0.6	-2	51.0	217	29.1	1	53.7	206	18.3	6	23.9	195	17.3	10	29.6
6	40	258	39.7	-12	3.4	245	54.0	-7	33.0	233	50.8	-2	47.0	222	19.6	1	57.5	211	9.1	6	27.5	200	8.1	10	32.8
7	0	263	28.8	-11	59.9	250	43.7	-7	29.1	238	41.0	-2	43.0	227	10.2	2	1.4	215	59.8	6	31.1	204	58.9	10	35.9
7	20	268	17.8	-11	56.3	255	33.4	-7	25.2	243	31.2	-2	39.0	232	0.8	2	5.3	220	50.6	6	34.7	209	49.8	10	39.1
7	40	273	6.9	-11	52.7	260	23.1	-7	21.3	248	21.4	-2	35.0	236	51.4	2	9.2	225	41.4	6	38.3	214	40.6	10	42.3
8	0	277	55.9	-11	49.1	265	12.8	-7	17.4	253	11.6	-2	31.1	241	41.9	2	13.0	230	32.2	6	41.9	219	31.5	10	45.5
8	20	282	45.0	-11	45.6	270	2.5	-7	13.4	258	1.9	-2	27.1	246	32.5	2	16.9	235	23.0	6	45.4	224	22.3	10	48.6
8	40	287	34.1	-11	42.0	274	52.3	-7	9.5	262	52.1	-2	23.1	251	23.1	2	20.7	240	13.8	6	49.0	229	13.1	10	51.8
9	0	292	23.2	-11	38.4	279	42.0	-7	5.6	267	42.3	-2	19.1	256	13.7	2	24.6	245	4.6	6	52.6	234	4.0	10	55.0
9	20	297	12.3	-11	34.8	284	31.7	-7	1.7	272	32.6	-2	15.1	261	4.3	2	28.5	249	55.3	6	56.1	238	54.8	10	58.1
9	40	302	1.4	-11	31.1	289	21.5	-6	57.7	277	22.8	-2	11.1	265	54.9	2	32.3	254	46.1	6	59.7	243	45.6	11	1.3
10	0	306	50.5	-11	27.5	294	11.2	-6	53.8	282	13.1	-2	7.1	270	45.5	2	36.2	259	36.9	7	3.2	248	36.5	11	4.4
10	20	311	39.7	-11	23.9	299	1.0	-6	49.9	287	3.4	-2	3.1	275	36.1	2	40.0	264	27.7	7	6.8	253	27.3	11	7.5
10	40	316	28.8	-11	20.3	303	50.8	-6	45.9	291	53.6	-1	59.1	280	26.7	2	43.9	269	18.5	7	10.3	258	18.2	11	10.6
11	0	321	18.0	-11	16.6	308	40.6	-6	42.0	296	43.9	-1	55.1	285	17.4	2	47.7	274	9.3	7	13.9	263	9.0	11	13.8
11	20	326	7.1	-11	13.0	313	30.4	-6	38.0	301	34.2	-1	51.1	290	8.0	2	51.5	279	0.1	7	17.4	267	59.8	11	16.9
11	40	330	56.3	-11	9.3	318	20.1	-6	34.1	306	24.5	-1	47.1	294	58.6	2	55.4	283	50.9	7	20.9	272	50.7	11	20.0
12	0	335	45.5	-11	5.7	323	10.0	-6	30.2	311	14.8	-1	43.2	299	49.2	2	59.2	288	41.7	7	24.4	277	41.5	11	23.1
12	20	340	34.7	-11	2.0	327	59.8	-6	26.2	316	5.1	-1	39.2	304	39.9	3	3.0	293	32.5	7	28.0	282	32.4	11	26.1
12	40	345	23.9	-10	58.3	332	49.6	-6	22.3	320	55.4	-1	35.2	309	30.5	3	6.8	298	23.3	7	31.5	287	23.2	11	29.2
13	0	350	13.1	-10	54.7	337	39.4	-6	18.3	325	45.7	-1	31.2	314	21.1	3	10.7	303	14.1	7	35.0	292	14.0	11	32.3
13	20	355	2.3	-10	51.0	342	29.3	-6	14.3	330	36.0	-1	27.2	319	11.8	3	14.5	308	4.9	7	38.5	297	4.9	11	35.4
13	40	359	51.5	-10	47.3	347	19.1	-6	10.4	335	26.4	-1	23.2	324	2.4	3	18.3	312	55.7	7	42.0	301	55.7	11	38.4
14	0	4	40.8	-10	43.6	352	8.9	-6	6.4	340	16.7	-1	19.3	328	53.1	3	22.1	317	46.6	7	45.5	306	46.5	11	41.5
14	20	9	30.0	-10	39.9	356	58.8	-6	2.5	345	7.0	-1	15.3	333	43.7	3	25.9	322	37.4	7	48.9	311	37.4	11	44.5
14	40	14	19.3	-10	36.2	1	48.7	-5	58.5	349	57.4	-1	11.3	338	34.4	3	29.7	327	28.2	7	52.4	316	28.2	11	47.6
15	0	19	8.5	-10	32.5	6	38.6	-5	54.5	354	47.7	-1	7.3	343	25.0	3	33.5	332	19.0	7	55.9	321	19.0	11	50.6
15	20	23	57.8	-10	28.8	11	28.4	-5	50.6	359	38.1	-1	3.3	348	15.7	3	37.3	337	9.8	7	59.4	326	9.9	11	53.6
15	40	28	47.1	-10	25.1	16	18.3	-5	46.6	4	28.4	-0	59.4	353	6.4	3	41.1	342	0.6	8	2.8	331	0.7	11	56.7
16	0	33	36.4	-10	21.4	21	8.2	-5	42.6	9	18.8	-0	55.4	357	57.0	3	44.9	346	51.4	8	6.3	335	51.5	11	59.7
16	20	38	25.7	-10	17.6	25	58.1	-5	38.7	14	9.2	-0	51.4	2	47.7	3	48.7	351	42.3	8	9.7	340	42.4	12	2.7
16	40	43	15.0	-10	13.9	30	48.0	-5	34.7	18	59.5	-0	47.5	7	38.4	3	52.4	356	33.1	8	13.2	345	33.2	12	5.7
17	0	48	4.3	-10	10.2	35	38.0	-5	30.7	23	49.9	-0	43.5	12	29.1	3	56.2	1	23.9	8	16.6	350	24.0	12	8.7
17	20	52	53.6	-10	6.4	40	27.9	-5	26.7	28	40.3	-0	39.5	17	19.7	4	0.0	6	14.7	8	20.1	355	14.9	12	11.7
17	40	57	43.0	-10	2.7	45	17.8	-5	22.8	33	30.7	-0	35.6	22	10.4	4	3.8	11	5.5	8	23.5	0	5.7	12	14.7
18	0	62	32.3	-9	58.9	50	7.8	-5	18.8	38	21.1	-0	31.6	27	1.1	4	7.5	15	56.4	8	26.9	4	56.5	12	17.6
18	20	67	21.7	-9	55.1	54	57.7	-5	14.8	43	11.5	-0	27.6	31	51										

		19 Jan			20 Jan			21 Jan			22 Jan			23 Jan			24 Jan													
		GHA			GHA			GHA			GHA			GHA			GHA													
		Dec			Dec			Dec			Dec			Dec			Dec													
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>												
0	0	92	11.3	13	9.9		81	6.1	16	14.7		69	50.9	18	35.8		58	24.0	20	8.2		46	47.0	20	47.7		35	4.3	20	31.8
	20	97	2.1	13	12.8		85	56.8	16	17.0	2.3	74	41.5	18	37.5		63	14.4	20	9.1	0.9	51	37.3	20	47.8		39	54.5	20	31.2
	40	101	52.9	13	15.6	2.8	90	47.5	16	19.2		79	32.0	18	39.1	1.6	68	4.8	20	10.0		56	27.5	20	48.0	0.1	44	44.7	20	30.6
1	0	106	43.7	13	18.4		95	38.2	16	21.5		84	22.6	18	40.7		72	55.2	20	10.9		61	17.8	20	48.1		49	35.0	20	30.0
	20	111	34.5	13	21.3		100	28.9	16	23.7	2.2	89	13.1	18	42.3		77	45.5	20	11.8	0.9	66	8.1	20	48.2	0.1	54	25.2	20	29.3
	40	116	25.3	13	24.1	2.8	105	19.6	16	26.0		94	3.6	18	43.9	1.6	82	35.9	20	12.7		70	58.3	20	48.4		59	15.4	20	28.7
2	0	121	16.1	13	26.9		110	10.3	16	28.2		98	54.1	18	45.4		87	26.3	20	13.5		75	48.6	20	48.5		64	5.7	20	28.0
	20	126	7.0	13	29.7		115	1.0	16	30.4	2.2	103	44.7	18	47.0	1.6	92	16.6	20	14.4	0.9	80	38.9	20	48.6	0.1	68	55.9	20	27.3
	40	130	57.8	13	32.4	2.8	119	51.7	16	32.6		108	35.2	18	48.6	1.6	101	7.0	20	15.2		85	29.1	20	48.7		73	46.1	20	26.6
3	0	135	48.6	13	35.2		124	42.4	16	34.8		113	25.7	18	50.1		101	57.4	20	16.1		90	19.4	20	48.7		78	36.3	20	25.9
	20	140	39.4	13	38.0		129	33.0	16	37.0	2.2	118	16.2	18	51.7	1.5	106	47.7	20	16.9	0.8	95	9.6	20	48.8		83	26.6	20	25.2
	40	145	30.2	13	40.8	2.8	134	23.7	16	39.2		123	6.8	18	53.2	1.5	111	38.1	20	17.7		99	59.9	20	48.9	0.1	88	16.8	20	24.5
4	0	150	21.0	13	43.5		139	14.4	16	41.4		127	57.3	18	54.7		116	28.5	20	18.5		104	50.1	20	48.9		93	7.0	20	23.8
	20	155	11.8	13	46.3		144	5.1	16	43.6	2.2	132	47.8	18	56.2	1.5	121	18.8	20	19.3	0.8	109	40.4	20	48.9	0.0	97	57.2	20	23.0
	40	160	2.6	13	49.0	2.7	148	55.7	16	45.7		137	38.3	18	57.7	1.5	126	9.2	20	20.1	0.8	114	30.7	20	49.0	0.0	102	47.5	20	22.3
5	0	164	53.4	13	51.7		153	46.4	16	47.9		142	28.8	18	59.2		130	59.5	20	20.9		119	20.9	20	49.0		107	37.7	20	21.5
	20	169	44.1	13	54.5		158	37.1	16	50.0	2.1	147	19.3	19	0.7	1.5	135	49.9	20	21.6	0.7	124	11.2	20	49.0		112	27.9	20	20.7
	40	174	34.9	13	57.2	2.7	163	27.7	16	52.1		152	9.8	19	2.2	1.4	140	40.2	20	22.4		129	1.4	20	49.0	0.0	117	18.2	20	19.9
6	0	179	25.7	13	59.9		168	18.4	16	54.3		157	0.3	19	3.7		145	30.6	20	23.1		133	51.7	20	48.9		122	8.4	20	19.1
	20	184	16.5	14	2.6		173	9.1	16	56.4	2.1	161	50.8	19	5.1	1.4	150	20.9	20	23.9	0.7	138	41.9	20	48.9	0.0	126	58.6	20	18.3
	40	189	7.3	14	5.3	2.7	177	59.7	16	58.5		166	41.3	19	6.6		155	11.3	20	24.6		143	32.2	20	48.9	0.0	131	48.9	20	17.5
7	0	193	58.1	14	8.0		182	50.4	17	0.6		171	31.8	19	8.0		160	1.6	20	25.3		148	22.4	20	48.8		136	39.1	20	16.7
	20	198	48.9	14	10.7		187	41.0	17	2.7	2.1	176	22.3	19	9.4	1.4	164	52.0	20	26.0	0.7	153	12.6	20	48.8		141	29.3	20	15.9
	40	203	39.7	14	13.3	2.7	192	31.7	17	4.8		181	12.8	19	10.8	1.4	169	42.3	20	26.7		158	2.9	20	48.7	-0.1	146	19.5	20	15.0
8	0	208	30.5	14	16.0		197	22.3	17	6.8		186	3.3	19	12.3		174	32.6	20	27.4		162	53.1	20	48.6		151	9.8	20	14.1
	20	213	21.2	14	18.7		202	13.0	17	8.9	2.1	190	53.7	19	13.7	1.4	179	23.0	20	28.0	0.7	167	43.4	20	48.5	-0.1	156	0.0	20	13.3
	40	218	12.0	14	21.3	2.7	207	3.6	17	11.0		195	44.2	19	15.0		184	13.3	20	28.7		172	33.6	20	48.4		160	50.2	20	12.4
9	0	223	2.8	14	24.0		211	54.3	17	13.0		200	34.7	19	16.4		189	3.6	20	29.4		177	23.9	20	48.3		165	40.5	20	11.5
	20	227	53.6	14	26.6	2.6	216	44.9	17	15.1	2.0	205	25.2	19	17.8	1.4	193	54.0	20	30.0	0.6	182	14.1	20	48.1	-0.1	170	30.7	20	10.6
	40	232	44.3	14	29.2	2.6	221	35.6	17	17.1		210	15.7	19	19.1	1.4	198	44.3	20	30.6	0.6	187	4.3	20	48.0	-0.1	175	20.9	20	9.7
10	0	237	35.1	14	31.9		226	26.2	17	19.1		215	6.1	19	20.5		203	34.6	20	31.2		191	54.6	20	47.9		180	11.2	20	8.8
	20	242	25.9	14	34.5		231	16.8	17	21.1	2.0	219	56.6	19	21.8	1.3	208	25.0	20	31.8	0.6	196	44.8	20	47.7	-0.2	185	1.4	20	7.8
	40	247	16.7	14	37.1	2.6	236	7.5	17	23.1		224	47.1	19	23.2	1.3	213	15.3	20	32.4	0.6	201	35.1	20	47.5	-0.2	189	51.6	20	6.9
11	0	252	7.4	14	39.7		240	58.1	17	25.1		229	37.5	19	24.5		218	5.6	20	33.0		206	25.3	20	47.3		194	41.9	20	5.9
	20	256	58.2	14	42.3	2.6	245	48.7	17	27.1	2.0	234	28.0	19	25.8	1.3	222	55.9	20	33.6	0.6	211	15.5	20	47.2	-0.2	199	32.1	20	5.0
	40	261	49.0	14	44.8	2.6	250	39.4	17	29.1		239	18.5	19	27.1	1.3	227	46.2	20	34.2	0.6	216	5.8	20	46.9	-0.2	204	22.4	20	4.0
12	0	266	39.7	14	47.4		255	30.0	17	31.0		244	8.9	19	28.4		232	36.6	20	34.7		220	56.0	20	46.7		209	12.6	20	3.0
	20	271	30.5	14	50.0		260	20.6	17	33.0	2.0	248	59.4	19	29.7	1.3	237	26.9	20	35.3	0.5	225	46.3	20	46.5	-0.2	214	2.8	20	2.0
	40	276	21.3	14	52.5	2.6	265	11.2	17	35.0		253	49.8	19	30.9	1.3	242	17.2	20	35.8	0.5	230	36.5	20	46.3	-0.2	218	53.1	20	1.0
13	0	281	12.0	14	55.1		270	1.8	17	36.9		258	40.3	19	32.2		247	7.5	20	36.3		235	26.7	20	46.0		223	43.3	20	0.0
	20	286	2.8	14	57.6		274	52.5	17	38.8	1.9	263	30.7	19	33.4	1.2	251	57.8	20	36.8	0.5	240	17.0	20	45.8	-0.3	228	33.6	19	58.9
	40	290	53.5	15	0.2	2.5	279	43.1	17	40.8		268	21.2	19	34.7	1.2	256	48.1	20	37.3	0.5	245	7.2	20	45.5	-0.3	233	23.8	19	57.9
14	0	295	44.3	15	2.7		284	33.7	17	42.7		273	11.6	19	35.9		261	38.4	20	37.8		249	57.4	20	45.2		238	14.0	19	56.8
	20	300	35.1	15	5.2	2.5	289	24.3	17	44.6	1.9	278	2.1	19	37.1	1.2	266	28.7	20	38.3	0.5	254	47.7	20	44.9	-0.3	243	4.3	19	55.8
	40	305	25.8	15	7.7	2.5	294	14.9	17	46.5		282	52.5	19	38.3	1.2	271	19.0	20	38.8	0.5	259	37.9	20	44.6	-0.3	247	54.5	19	54.7
15	0	310	16.6	15	10.2		299	5.5	17	48.4		287	43.0	19	39.5		276	9.3	20	39.3		264	28.1	20	44.3		252	44.8	19	53.6
	20	315	7.3	15	12.7		303	56.1	17	50.2	1.9	292	33.4	19	40.7	1.2	280	59.6	20	39.7	0.4	269	18.4	20	44.0	-0.3	257	35.0	19	52.5
	40	319	58.1	15	15.2	2.5	308	46.7	17	52.1		297	23.8	19	41.9	1.2	285	49.9	20	40.1	0.4	274	8.6	20	43.7	-0.3	262	25.3	19	51.4
16	0	324	48.8	15	17.7		313	37.3	17	54.0		302																		

		25 Jan			26 Jan			27 Jan			28 Jan			29 Jan			30 Jan													
		GHA			GHA			GHA			GHA			GHA			GHA													
		Dec			Dec			Dec			Dec			Dec			Dec													
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>												
0	0	23	21.7	19	20.4	-1.4	11	44.7	17	15.8	0	17.0	14	22.8	348	59.0	10	48.8	337	48.2	6	42.7	326	38.8	2	15.1	-3.8			
20		28	11.9	19	19.1	-1.4	16	35.1	17	13.7	-2.1	5	7.5	14	20.1	-2.7	353	49.7	10	45.6	-3.2	342	38.9	6	39.1	331	29.4	2	11.3	-3.8
40		33	2.2	19	17.7	-1.4	21	25.5	17	11.6	-2.1	9	58.0	14	17.4	-2.7	358	40.3	10	42.4	-3.2	347	29.7	6	35.5	336	20.1	2	7.5	-3.8
1	0	37	52.5	19	16.3	-1.4	26	15.8	17	9.5	-2.1	14	48.5	14	14.7	-2.7	3	31.0	10	39.1	-3.2	352	20.4	6	31.9	341	10.8	2	3.6	-3.8
20		42	42.8	19	14.9	-1.4	31	6.2	17	7.4	-2.1	19	39.0	14	11.9	-2.7	8	21.6	10	35.9	-3.2	357	11.1	6	28.3	346	1.5	1	59.8	-3.8
40		47	33.0	19	13.5	-1.4	35	56.6	17	5.3	-2.1	24	29.6	14	9.2	-2.7	13	12.3	10	32.6	-3.2	2	1.8	6	24.7	350	52.1	1	56.0	-3.8
2	0	52	23.3	19	12.0	-1.4	40	47.0	17	3.1	-2.1	29	20.1	14	6.5	-2.8	18	2.9	10	29.4	-3.3	6	52.5	6	21.1	355	42.8	1	52.2	-3.8
20		57	13.6	19	10.6	-1.4	45	37.4	17	1.0	-2.1	34	10.6	14	3.7	-2.8	22	53.6	10	26.1	-3.3	11	43.2	6	17.5	0	33.5	1	48.3	-3.8
40		62	3.9	19	9.1	-1.4	50	27.8	16	58.8	-2.1	39	1.2	14	0.9	-2.8	27	44.2	10	22.9	-3.3	16	33.9	6	13.9	5	24.1	1	44.5	-3.8
3	0	66	54.1	19	7.7	-1.5	55	18.2	16	56.7	-2.2	43	51.7	13	58.2	-2.8	32	34.9	10	19.6	-3.3	21	24.6	6	10.2	10	14.8	1	40.7	-3.8
20		71	44.4	19	6.2	-1.5	60	8.6	16	54.5	-2.2	48	42.2	13	55.4	-2.8	37	25.5	10	16.3	-3.3	26	15.3	5	6.6	15	5.5	1	36.9	-3.8
40		76	34.7	19	4.7	-1.5	64	59.0	16	52.3	-2.2	53	32.8	13	52.6	-2.8	42	16.2	10	13.0	-3.3	31	6.0	6	3.0	19	56.1	1	33.0	-3.8
4	0	81	25.0	19	3.3	-1.5	69	49.4	16	50.1	-2.2	58	23.3	13	49.8	-2.8	47	6.9	10	9.7	-3.3	35	56.8	5	59.3	24	46.8	1	29.2	-3.8
20		86	15.3	19	1.8	-1.5	74	39.8	16	48.0	-2.2	63	13.9	13	47.0	-2.8	51	57.5	10	6.5	-3.3	40	47.5	5	55.7	29	37.4	1	25.4	-3.8
40		91	5.6	19	0.2	-1.5	79	30.2	16	45.7	-2.2	68	4.4	13	44.2	-2.8	56	48.2	10	3.2	-3.3	45	38.2	5	52.0	34	28.1	1	21.5	-3.8
5	0	95	55.8	18	58.7	-1.5	84	20.6	16	43.5	-2.2	72	55.0	13	41.4	-2.8	61	38.9	9	59.9	-3.3	50	28.9	5	48.4	39	18.8	1	17.7	-3.9
20		100	46.1	18	57.2	-1.5	89	11.0	16	41.3	-2.2	77	45.5	13	38.5	-2.8	66	29.5	9	56.5	-3.3	55	19.6	5	44.7	44	9.4	1	13.8	-3.9
40		105	36.4	18	55.7	-1.5	94	1.4	16	39.1	-2.2	82	36.0	13	35.7	-2.8	71	20.2	9	53.2	-3.3	60	10.3	5	41.1	49	0.1	1	10.0	-3.9
6	0	110	26.7	18	54.1	-1.6	98	51.8	16	36.8	-2.2	87	26.6	13	32.9	-2.9	76	10.8	9	49.9	-3.3	65	1.0	5	37.4	53	50.7	1	6.1	-3.8
20		115	17.0	18	52.6	-1.6	103	42.2	16	34.6	-2.2	92	17.2	13	30.0	-2.9	81	1.5	9	46.6	-3.3	69	51.7	5	33.7	58	41.4	1	2.3	-3.8
40		120	7.3	18	51.0	-1.6	108	32.6	16	32.3	-2.2	97	7.7	13	27.1	-2.9	85	52.2	9	43.2	-3.3	74	42.5	5	30.1	63	32.0	0	58.5	-3.8
7	0	124	57.6	18	49.4	-1.6	113	23.1	16	30.1	-2.3	101	58.3	13	24.3	-2.9	90	42.9	9	39.9	-3.4	79	33.2	5	26.4	68	22.6	0	54.6	-3.8
20		129	47.9	18	47.8	-1.6	118	13.5	16	27.8	-2.3	106	48.8	13	21.4	-2.9	95	33.5	9	36.6	-3.4	84	23.9	5	22.7	73	13.3	0	50.8	-3.8
40		134	38.2	18	46.2	-1.6	123	3.9	16	25.5	-2.3	111	39.4	13	18.5	-2.9	100	24.2	9	33.2	-3.4	89	14.6	5	19.1	78	3.9	0	46.9	-3.8
8	0	139	28.5	18	44.6	-1.6	127	54.3	16	23.2	-2.3	116	30.0	13	15.6	-2.9	105	14.9	9	29.8	-3.4	94	5.3	5	15.4	82	54.6	0	43.1	-3.9
20		144	18.8	18	43.0	-1.6	132	44.7	16	20.9	-2.3	121	20.5	13	12.7	-2.9	110	5.6	9	26.5	-3.4	98	56.0	5	11.7	87	45.2	0	39.2	-3.9
40		149	9.1	18	41.4	-1.6	137	35.2	16	18.6	-2.3	126	11.1	13	9.8	-2.9	114	56.2	9	23.1	-3.4	103	46.7	5	8.0	92	35.8	0	35.3	-3.9
9	0	153	59.4	18	39.7	-1.7	142	25.6	16	16.3	-2.4	131	1.7	13	6.9	-2.9	119	46.9	9	19.7	-3.4	108	37.4	5	4.3	97	26.5	0	31.5	-3.9
20		158	49.7	18	38.1	-1.7	147	16.0	16	13.9	-2.4	135	52.2	13	4.0	-2.9	124	37.6	9	16.4	-3.4	113	28.1	5	0.6	102	17.1	0	27.6	-3.9
40		163	40.0	18	36.4	-1.7	152	6.5	16	11.6	-2.4	140	42.8	13	1.1	-2.9	129	28.3	9	13.0	-3.4	118	18.8	4	56.9	107	7.7	0	23.8	-3.9
10	0	168	30.3	18	34.7	-1.7	156	56.9	16	9.2	-2.4	145	33.4	12	58.2	-3.0	134	18.9	9	9.6	-3.4	123	9.6	4	53.2	111	58.4	0	19.9	-3.9
20		173	20.6	18	33.1	-1.7	161	47.3	16	6.9	-2.4	150	24.0	12	55.2	-3.0	139	9.6	9	6.2	-3.4	128	0.3	4	49.5	116	49.0	0	16.1	-3.9
40		178	10.9	18	31.4	-1.7	166	37.8	16	4.5	-2.4	155	14.5	12	52.3	-3.0	144	0.3	9	2.8	-3.4	132	51.0	4	45.8	121	39.6	0	12.2	-3.9
11	0	183	1.2	18	29.7	-1.7	171	28.2	16	2.1	-2.4	160	5.1	12	49.3	-3.0	148	51.0	8	59.4	-3.4	137	41.7	4	42.1	126	30.2	0	8.3	-3.8
20		187	51.6	18	28.0	-1.7	176	18.1	15	59.7	-2.4	164	55.7	12	46.4	-3.0	153	41.7	8	56.0	-3.4	142	32.4	4	38.4	131	20.8	0	4.5	-3.8
40		192	41.9	18	26.2	-1.7	181	9.1	15	57.4	-2.4	169	46.3	12	43.4	-3.0	158	32.4	8	52.6	-3.4	147	23.1	4	34.6	136	11.5	0	0.6	-3.8
12	0	197	32.2	18	24.5	-1.7	185	59.6	15	54.9	-2.4	174	36.9	12	40.4	-3.0	163	23.0	8	49.1	-3.4	152	13.8	4	30.9	141	2.1	-0	3.2	-3.9
20		202	22.5	18	22.8	-1.7	190	50.0	15	52.5	-2.4	179	27.4	12	37.4	-3.0	168	13.7	8	45.7	-3.4	157	4.5	4	27.2	145	52.7	-0	7.1	-3.9
40		207	12.8	18	21.0	-1.7	195	40.5	15	50.1	-2.4	184	18.0	12	34.5	-3.0	173	4.4	8	42.3	-3.4	161	55.2	4	23.5	150	43.3	-0	11.0	-3.9
13	0	212	3.2	18	19.3	-1.8	200	30.9	15	47.7	-2.4	189	8.6	12	31.5	-3.0	177	55.1	8	38.9	-3.5	166	45.9	4	19.7	155	33.9	-0	14.8	-3.9
20		216	53.5	18	17.5	-1.8	205	21.4	15	45.3	-2.4	193	59.2	12	28.5	-3.0	182	45.8	8	35.4	-3.5	171	36.6	4	16.0	160	24.5	-0	18.7	-3.9
40		221	43.8	18	15.7	-1.8	210	11.8	15	42.8	-2.4	198	49.8	12	25.4	-3.0	187	36.5	8	32.0	-3.5	176	27.3	4	12.3	165	15.1	-0	22.6	-3.9
14	0	226	34.1	18	13.9	-1.8	215	2.3	15	40.4	-2.5	203	40.4	12	22.4	-3.0	192	27.2	8	28.5	-3.5	181	18.0	4	8.5	170	5.7	-0	26.4	-3.9
20		231	24.5	18	12.1	-1.8	219	52.7	15	37.9	-2.5	208	31.0	12	19.4	-3.0	197	17.9	8	25.1	-3.5	186	8.7	4	4.8	174	56.3	-0	30.3	-3.9
40		236	14.8	18	10.3	-1.8	224	43.2	15	35.4	-2.5	213	21.6	12	16.4	-3.0	202	8.6	8	21.6	-3.5	190	59.4	4	1.0	179	46.9	-0	34.2	-3.9
15	0	241	5.1	18	8.5	-1.8	229	33.7	15	32.9	-2.5	218	12.2	12	13.3	-3.0	206	59.3	8	18.1	-3.5	195	50.1	3	57.3	184	37.5	-0	38.0	-3.9
20		245	55.4	18	6.7	-1.8	234	24.1	15	30.5	-2.5	223	2.8	12	10.3	-3.0	211	50.0	8	14.7	-3.5	200	40.8	3	53.5	189	28.1	-0	41.9	-3.9
40		250	45.8	18	4.8	-1.8	239	14.6	15	28.0																				

		31 Jan					1 Feb					2 Feb					3 Feb					4 Feb					5 Feb								
		GHA					GHA					GHA					GHA					GHA					GHA								
		Dec					Dec					Dec					Dec					Dec					Dec								
h	m	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'		
0	0	315	22.5	-2	22.6	303	49.7	-6	57.6	291	50.5	-11	16.2	279	16.2	-15	3.3	266	2.1	-18	3.1	252	10.1	-20	0.2										
0	20	320	13.0	-2	26.4	308	39.9	-7	1.3	296	40.3	-11	19.6	284	5.4	-15	6.1	270	50.8	-18	5.2	256	58.4	-20	1.3										
0	40	325	3.5	-2	30.3	313	30.2	-7	5.0	301	30.0	-11	23.0	288	54.7	-15	9.0	275	39.5	-18	7.3	261	46.6	-20	2.4										
1	0	329	54.0	-2	34.2	318	20.4	-7	8.8	306	19.8	-11	26.4	293	43.9	-15	11.8	280	28.1	-18	9.3	266	34.8	-20	3.5										
1	20	334	44.5	-2	38.0	323	10.6	-7	12.5	311	9.6	-11	29.7	298	33.1	-15	14.7	285	16.8	-18	11.4	271	23.0	-20	4.6										
1	40	339	35.0	-2	41.9	328	0.7	-7	16.2	315	59.3	-11	33.1	303	22.3	-15	17.5	290	5.5	-18	13.4	276	11.2	-20	5.7										
2	0	344	25.5	-2	45.8	332	50.9	-7	19.9	320	49.1	-11	36.5	308	11.5	-15	20.3	294	54.1	-18	15.5	280	59.4	-20	6.7										
2	20	349	16.0	-2	49.6	337	41.1	-7	23.7	325	38.8	-11	39.9	313	0.7	-15	23.1	299	42.8	-18	17.5	285	47.6	-20	7.7										
2	40	354	6.5	-2	53.5	342	31.3	-7	27.4	330	28.5	-11	43.2	317	49.9	-15	25.9	304	31.4	-18	19.5	290	35.7	-20	8.8										
3	0	358	57.0	-2	57.3	347	21.5	-7	31.1	335	18.3	-11	46.6	322	39.1	-15	28.7	309	20.0	-18	21.5	295	23.9	-20	9.8										
3	20	3	47.5	-3	1.2	352	11.6	-7	34.8	340	8.0	-11	49.9	327	28.3	-15	31.5	314	8.7	-18	23.5	300	12.1	-20	10.7										
3	40	8	38.0	-3	5.1	357	1.8	-7	38.5	344	57.7	-11	53.3	332	17.5	-15	34.2	318	57.3	-18	25.4	305	0.3	-20	11.7										
4	0	13	28.5	-3	8.9	1	52.0	-7	42.2	349	47.4	-11	56.6	337	6.6	-15	37.0	323	45.9	-18	27.4	309	48.4	-20	12.7										
4	20	18	18.9	-3	12.8	6	42.1	-7	45.9	354	37.1	-11	59.9	341	55.8	-15	39.7	328	34.5	-18	29.3	314	36.6	-20	13.6										
4	40	23	9.4	-3	16.6	11	32.2	-7	49.6	359	26.8	-12	3.3	346	44.9	-15	42.5	333	23.1	-18	31.2	319	24.7	-20	14.5										
5	0	27	59.9	-3	20.5	16	22.4	-7	53.3	4	16.5	-12	6.6	351	34.1	-15	45.2	338	11.7	-18	33.2	324	12.9	-20	15.5										
5	20	32	50.3	-3	24.4	21	12.5	-7	57.0	9	6.1	-12	9.9	356	23.2	-15	47.9	343	0.3	-18	35.1	329	1.0	-20	16.4										
5	40	37	40.8	-3	28.2	26	2.7	-8	0.6	13	55.8	-12	13.2	1	12.3	-15	50.6	347	48.8	-18	36.9	333	49.1	-20	17.2										
6	0	42	31.2	-3	32.1	30	52.8	-8	4.3	18	45.5	-12	16.5	6	1.4	-15	53.3	352	37.4	-18	38.8	338	37.3	-20	18.1										
6	20	47	21.7	-3	35.9	35	42.9	-8	8.0	23	35.1	-12	19.8	10	50.6	-15	56.0	357	26.0	-18	40.7	343	25.4	-20	19.0										
6	40	52	12.1	-3	39.8	40	33.0	-8	11.7	28	24.8	-12	23.1	15	39.7	-15	58.7	2	14.5	-18	42.5	348	13.5	-20	19.8										
7	0	57	2.6	-3	43.6	45	23.1	-8	15.3	33	14.4	-12	26.3	20	28.7	-16	1.3	7	3.0	-18	44.4	353	1.6	-20	20.6										
7	20	61	53.0	-3	47.5	50	13.2	-8	19.0	38	4.0	-12	29.6	25	17.8	-16	4.0	11	51.6	-18	46.2	357	49.8	-20	21.4										
7	40	66	43.5	-3	51.5	55	3.3	-8	22.7	42	53.7	-12	32.9	30	6.9	-16	6.6	16	40.1	-18	48.0	2	37.9	-20	22.2										
8	0	71	33.9	-3	55.2	59	53.4	-8	26.3	47	43.3	-12	36.1	34	56.0	-16	9.3	21	28.6	-18	49.8	7	26.0	-20	23.0										
8	20	76	24.3	-3	59.0	64	43.5	-8	30.0	52	32.9	-12	39.4	39	45.0	-16	11.9	26	17.2	-18	51.6	12	14.1	-20	23.8										
8	40	81	14.8	-4	2.9	69	33.6	-8	33.6	57	22.5	-12	42.6	44	34.1	-16	14.5	31	5.7	-18	53.4	17	2.2	-20	24.5										
9	0	86	5.2	-4	6.7	74	23.6	-8	37.2	62	12.1	-12	45.9	49	23.1	-16	17.1	35	54.2	-18	55.1	21	50.3	-20	25.2										
9	20	90	55.6	-4	10.5	79	13.7	-8	40.9	67	1.7	-12	49.1	54	12.2	-16	19.7	40	42.7	-18	56.9	26	38.4	-20	25.9										
9	40	95	46.0	-4	14.4	84	3.8	-8	44.5	71	51.3	-12	52.3	59	1.2	-16	22.3	45	31.2	-18	58.6	31	26.4	-20	26.6										
10	0	100	36.4	-4	18.2	88	53.8	-8	48.1	76	40.8	-12	55.5	63	50.2	-16	24.9	50	19.6	-19	0.3	36	14.5	-20	27.3										
10	20	105	26.8	-4	22.1	93	43.9	-8	51.8	81	30.4	-12	58.7	68	39.2	-16	27.4	55	8.1	-19	2.0	41	2.6	-20	28.0										
10	40	110	17.2	-4	25.9	98	33.9	-8	55.4	86	20.0	-13	1.9	73	28.2	-16	30.0	59	56.6	-19	3.7	45	50.7	-20	28.7										
11	0	115	7.6	-4	29.7	103	23.9	-8	59.0	91	9.5	-13	5.1	78	17.2	-16	32.5	64	45.1	-19	5.4	50	38.7	-20	29.3										
11	20	119	58.0	-4	33.6	108	14.0	-9	2.6	95	59.1	-13	8.3	83	6.2	-16	35.1	69	33.5	-19	7.1	55	26.8	-20	29.9										
11	40	124	48.4	-4	37.4	113	4.0	-9	6.2	100	48.6	-13	11.5	87	55.2	-16	37.6	74	22.0	-19	8.7	60	14.9	-20	30.5										
12	0	129	38.8	-4	41.2	117	54.0	-9	9.8	105	38.1	-13	14.6	92	44.2	-16	40.1	79	10.4	-19	10.4	65	2.9	-20	31.1										
12	20	134	29.2	-4	45.1	122	44.0	-9	13.4	110	27.7	-13	17.8	97	33.1	-16	42.6	83	58.8	-19	12.0	69	51.0	-20	31.7										
12	40	139	19.6	-4	48.9	127	34.0	-9	17.0	115	17.2	-13	20.9	102	22.1	-16	45.1	88	47.3	-19	13.6	74	39.0	-20	32.3										
13	0	144	9.9	-4	52.7	132	24.0	-9	20.6	120	6.7	-13	24.1	107	11.0	-16	47.6	93	35.7	-19	15.2	79	27.1	-20	32.8										
13	20	149	0.3	-4	56.5	137	14.0	-9	24.2	124	56.2	-13	27.2	111	60.0	-16	50.0	98	24.1	-19	16.8	84	15.1	-20	33.3										
13	40	153	50.7	-5	0.3	142	4.0	-9	27.8	129	45.7	-13	30.4																						

		6 Feb				7 Feb				8 Feb				9 Feb				10 Feb				11 Feb			
		GHA				GHA				GHA				GHA				GHA				GHA			
		Dec				Dec				Dec				Dec				Dec				Dec			
h	m	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d
0	0	237	50.8	-20	42.1	223	21.8	-20	2.2	209	3.7	-18	2.6	195	13.4	-14	53.8	181	59.8	-10	52.5	169	24.0	-6	18.5
	20	242	38.7	-20	42.1	228	9.8	-20	1.1	213	52.0	-18	0.4	200	2.1	-14	50.7	186	49.0	-10	48.9	174	13.8	-6	14.5
	40	247	26.7	-20	42.1	232	57.8	-19	59.9	218	40.2	-17	58.2	204	50.8	-14	47.7	191	38.3	-10	45.3	179	3.5	-6	10.6
1	0	252	14.6	-20	42.0	237	45.7	-19	58.8	223	28.5	-17	56.0	209	39.5	-14	44.6	196	27.6	-10	41.6	183	53.3	-6	6.7
	20	257	2.6	-20	42.0	242	33.7	-19	57.6	228	16.8	-17	53.8	214	28.3	-14	41.6	201	16.8	-10	38.0	188	43.1	-6	2.7
	40	261	50.5	-20	42.0	247	21.7	-19	56.4	233	5.0	-17	51.5	219	17.0	-14	38.5	206	6.1	-10	34.3	193	32.8	-5	58.7
2	0	266	38.5	-20	41.9	252	9.6	-19	55.2	237	53.3	-17	49.3	224	5.8	-14	35.4	210	55.4	-10	30.7	198	22.6	-5	54.8
	20	271	26.4	-20	41.8	256	57.6	-19	54.0	242	41.6	-17	47.0	228	54.5	-14	32.3	215	44.7	-10	27.0	203	12.4	-5	50.8
	40	276	14.3	-20	41.7	261	45.6	-19	52.7	247	29.9	-17	44.8	233	43.3	-14	29.2	220	34.0	-10	23.3	208	2.2	-5	46.9
3	0	281	2.3	-20	41.6	266	33.6	-19	51.5	252	18.2	-17	42.5	238	32.1	-14	26.1	225	23.3	-10	19.7	212	52.0	-5	42.9
	20	285	50.2	-20	41.5	271	21.6	-19	50.2	257	6.5	-17	40.2	243	20.8	-14	23.0	230	12.6	-10	16.0	217	41.8	-5	38.9
	40	290	38.1	-20	41.3	276	9.5	-19	48.9	261	54.8	-17	37.9	248	9.6	-14	19.8	235	2.0	-10	12.3	222	31.6	-5	35.0
4	0	295	26.1	-20	41.1	280	57.5	-19	47.6	266	43.1	-17	35.5	252	58.4	-14	16.7	239	51.3	-10	8.6	227	21.4	-5	31.0
	20	300	14.0	-20	41.0	285	45.5	-19	46.3	271	31.4	-17	33.2	257	47.2	-14	13.5	244	40.6	-10	4.9	232	11.3	-5	27.0
	40	305	1.9	-20	40.8	290	33.5	-19	45.0	276	19.7	-17	30.8	262	36.0	-14	10.4	249	30.0	-10	1.2	237	1.1	-5	23.1
5	0	309	49.9	-20	40.6	295	21.5	-19	43.6	281	8.0	-17	28.5	267	24.8	-14	7.2	254	19.3	-9	57.5	241	50.9	-5	19.1
	20	314	37.8	-20	40.3	300	9.5	-19	42.3	285	56.4	-17	26.1	272	13.7	-14	4.0	259	8.7	-9	53.8	246	40.8	-5	15.1
	40	319	25.7	-20	40.1	304	57.5	-19	40.9	290	44.7	-17	23.7	277	2.5	-14	0.8	263	58.0	-9	50.0	251	30.6	-5	11.1
6	0	324	13.6	-20	39.8	309	45.5	-19	39.5	295	33.0	-17	21.3	281	51.3	-13	57.6	268	47.4	-9	46.3	256	20.5	-5	7.2
	20	329	1.6	-20	39.6	314	33.5	-19	38.1	300	21.4	-17	18.9	286	40.2	-13	54.4	273	36.8	-9	42.6	261	10.4	-5	3.2
	40	333	49.5	-20	39.3	319	21.6	-19	36.7	305	9.8	-17	16.5	291	29.0	-13	51.2	278	26.2	-9	38.8	266	0.2	-4	59.2
7	0	338	37.4	-20	39.0	324	9.6	-19	35.2	309	58.1	-17	14.0	296	17.9	-13	48.0	283	15.6	-9	35.1	270	50.1	-4	55.2
	20	343	25.3	-20	38.6	328	57.6	-19	33.8	314	46.5	-17	11.6	301	6.8	-13	44.7	288	5.0	-9	31.4	275	40.0	-4	51.2
	40	348	13.3	-20	38.3	333	45.6	-19	32.3	319	34.9	-17	9.1	305	55.7	-13	41.5	292	54.4	-9	27.6	280	29.9	-4	47.2
8	0	353	1.2	-20	37.9	338	33.6	-19	30.8	324	23.2	-17	6.6	310	44.5	-13	38.2	297	43.8	-9	23.8	285	19.7	-4	43.2
	20	357	49.1	-20	37.6	343	21.7	-19	29.3	329	11.6	-17	4.1	315	33.4	-13	35.0	302	33.2	-9	20.1	290	9.6	-4	39.2
	40	2	37.0	-20	37.2	348	9.7	-19	27.8	334	0.0	-17	1.6	320	22.3	-13	31.7	307	22.7	-9	16.3	294	59.6	-4	35.3
9	0	7	24.9	-20	36.8	352	57.7	-19	26.3	338	48.4	-16	59.1	325	11.2	-13	28.4	312	12.1	-9	12.5	299	49.5	-4	31.3
	20	12	12.9	-20	36.4	357	45.8	-19	24.8	343	36.8	-16	56.6	330	0.2	-13	25.1	317	1.6	-9	8.8	304	39.4	-4	27.3
	40	17	0.8	-20	35.9	2	33.8	-19	23.2	348	25.2	-16	54.0	334	49.1	-13	21.8	321	51.0	-9	5.0	309	29.3	-4	23.3
10	0	21	48.7	-20	35.5	7	21.9	-19	21.6	353	13.7	-16	51.5	339	38.0	-13	18.5	326	40.5	-9	1.2	314	19.2	-4	19.3
	20	26	36.7	-20	35.0	12	9.9	-19	20.0	358	2.1	-16	48.9	344	26.9	-13	15.2	331	29.9	-8	57.4	319	9.2	-4	15.3
	40	31	24.5	-20	34.5	16	58.0	-19	18.4	2	50.5	-16	46.3	349	15.9	-13	11.9	336	19.4	-8	53.6	323	59.1	-4	11.3
11	0	36	12.5	-20	34.0	21	46.0	-19	16.8	7	39.0	-16	43.7	354	4.8	-13	8.5	341	8.9	-8	49.8	328	49.0	-4	7.3
	20	41	0.4	-20	33.5	26	34.1	-19	15.2	12	27.4	-16	41.1	358	53.8	-13	5.2	345	58.4	-8	46.0	333	39.0	-4	3.3
	40	45	48.3	-20	33.0	31	22.2	-19	13.5	17	15.9	-16	38.5	3	42.8	-13	1.9	350	47.9	-8	42.2	338	28.9	-3	59.3
12	0	50	36.2	-20	32.4	36	10.2	-19	11.9	22	4.3	-16	35.9	8	31.7	-12	58.5	355	37.4	-8	38.4	343	18.9	-3	55.3
	20	55	24.1	-20	31.9	40	58.3	-19	10.2	26	52.8	-16	33.3	13	20.7	-12	55.1	0	26.9	-8	34.5	348	8.9	-3	51.3
	40	60	12.1	-20	31.3	45	46.4	-19	8.5	31	41.2	-16	30.6	18	9.7	-12	51.8	5	16.4	-8	30.7	352	58.8	-3	47.3
13	0	64	60.0	-20	30.7	50	34.5	-19	6.8	36	29.7	-16	27.9	22	58.7	-12	48.4	10	5.9	-8	26.9	357	48.8	-3	43.3
	20	69	47.9	-20	30.1	55	22.5	-19	5.1	41	18.2	-16	25.3	27	47.7	-12	45.0	14	55.5	-8	23.1	2	38.8	-3	39.2
	40	74	35.8	-20	29.5	60	10.6	-19	3.4	46	6.7	-16	22.6	32	36.7	-12	41.6	19	45.0	-8	19.2	7	28.8	-3	35.2
14	0	79	23.7	-20	28.8	64	58.7	-19	1.6	50	55.2	-16	19.9	37	25.7	-12	38.2	24	34.6	-8	15.4	12	18.8	-3	31.2
	20	84	11.7	-20	28.2	69	46.8	-18	59.9	55	43.7	-16	17.2	42	14.8	-12	34.8	29	24.1	-8	11.5	17	8.8	-3	27.2
	40	88	59.6	-20	27.5	74	34.9	-18	58.1	60	32.2	-16	14.5	47	3.8	-12	31.3	34	13.7	-8	7.7	21	58.8	-3	23.2
15	0	93	47.5	-20	26.8	79	23.0	-18	56.3	65	20.7	-16	11.7	51	52.8	-12	27.9	39	3.2	-8	3.8	26	48.8	-3	19.2
	20	98	35.4	-20	26.1	84	11.2	-18	54.5	70	9.3	-16	9.0	56	41.9	-12	24.5	43	52.8	-8	0.0	31	38.8	-3	15.2
	40	103	23.3	-20	25.4	88	59.3	-18	52.7	74	57.8	-16	6.2	61	30.9	-12	21.0	48	42.4	-7	56.1	36	28.8	-3	11.2
16	0	108	11.3	-20	24.6	93	47.4	-18	50.8	79	46.3	-16	3.5	66	20.0	-12	17.6	53	32.0	-7	52.3	41	18.9	-3	7.2
	20	112	59.2	-20	23.9	98	35.5	-18	49.0	84	34.9	-16	0.7	71	9.1	-12	14.1	58	21.6	-7	48.4	46	8.9	-3	3.2

		12 Feb				13 Feb				14 Feb				15 Feb				16 Feb				17 Feb			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	157	21.0	-1	30.9	145	42.7	3	13.2	134	19.8	7	39.9	123	3.9	11	38.4	111	48.0	15	0.0	100	27.2	17	38.4
20		162	11.2	-1	26.9	150	33.1	3	17.0	139	10.4	7	43.5	127	54.5	11	41.4	116	38.5	15	2.5	105	17.7	17	40.2
40		167	1.4	-1	22.9	155	23.5	3	20.9	144	1.0	7	47.0	132	45.1	11	44.5	121	29.1	15	5.0	110	8.2	17	42.1
1	0	171	51.5	-1	18.9	160	14.0	3	24.7	148	51.5	7	50.5	137	35.8	11	47.6	126	19.7	15	7.5	114	58.7	17	43.9
20		176	41.7	-1	14.9	165	4.4	3	28.6	153	42.1	7	54.0	142	26.4	11	50.6	131	10.3	15	10.0	119	49.2	17	45.8
40		181	31.9	-1	10.9	169	54.9	3	32.4	158	32.7	7	57.5	147	17.0	11	53.7	136	0.9	15	12.5	124	39.7	17	47.6
2	0	186	22.0	-1	6.9	174	45.3	3	36.3	163	23.3	8	1.0	152	7.6	11	56.7	140	51.5	15	15.0	129	30.2	17	49.4
20		191	12.2	-1	2.9	179	35.7	3	40.1	168	13.9	8	4.5	156	58.3	11	59.7	145	42.0	15	17.4	134	20.7	17	51.2
40		196	2.4	-0	58.9	184	26.2	3	43.9	173	4.5	8	8.0	161	48.9	12	2.7	150	32.6	15	19.9	139	11.1	17	53.0
3	0	200	52.6	-0	54.9	189	16.7	3	47.7	177	55.1	8	11.5	166	39.5	12	5.7	155	23.2	15	22.3	144	1.6	17	54.8
20		205	42.8	-0	50.9	194	7.1	3	51.6	182	45.7	8	15.0	171	30.1	12	8.8	160	13.8	15	24.7	148	52.1	17	56.6
40		210	33.0	-0	46.9	198	57.6	3	55.4	187	36.3	8	18.4	176	20.8	12	11.7	165	4.3	15	27.2	153	42.6	17	58.4
4	0	215	23.2	-0	42.9	203	48.0	3	59.2	192	26.9	8	21.9	181	11.4	12	14.7	169	54.9	15	29.6	158	33.1	18	0.2
20		220	13.4	-0	38.9	208	38.5	4	3.0	197	17.5	8	25.4	186	2.0	12	17.7	174	45.5	15	32.0	163	23.6	18	1.9
40		225	3.6	-0	34.9	213	29.0	4	6.8	202	8.1	8	28.8	190	52.6	12	20.7	179	36.1	15	34.4	168	14.0	18	3.7
5	0	229	53.8	-0	30.9	218	19.4	4	10.6	206	58.7	8	32.3	195	43.3	12	23.7	184	26.6	15	36.8	173	4.5	18	5.4
20		234	44.0	-0	26.9	223	9.9	4	14.4	211	49.3	8	35.7	200	33.9	12	26.6	189	17.2	15	39.2	177	55.0	18	7.1
40		239	34.3	-0	23.0	228	0.4	4	18.2	216	39.9	8	39.1	205	24.5	12	29.6	194	7.8	15	41.5	182	45.1	18	8.8
6	0	244	24.5	-0	19.0	232	50.9	4	22.0	221	30.5	8	42.6	210	15.1	12	32.5	198	58.4	15	43.9	187	35.9	18	10.5
20		249	14.7	-0	15.0	237	41.3	4	25.8	226	21.1	8	46.0	215	5.8	12	35.5	203	48.9	15	46.3	192	26.4	18	12.2
40		254	5.0	-0	11.0	242	31.8	4	29.6	231	11.7	8	49.4	219	56.4	12	38.4	208	39.5	15	48.6	197	16.9	18	13.9
7	0	258	55.2	-0	7.0	247	22.3	4	33.3	236	2.3	8	52.8	224	47.0	12	41.3	213	30.1	15	50.9	202	7.4	18	15.6
20		263	45.5	-0	3.0	252	12.8	4	37.1	240	52.9	8	56.2	229	37.6	12	44.2	218	20.6	15	53.3	206	57.8	18	17.3
40		268	35.7	0	0.9	257	3.3	4	40.9	245	43.5	8	59.6	234	28.2	12	47.1	223	11.2	15	55.6	211	48.3	18	18.9
8	0	273	26.0	0	4.9	261	53.8	4	44.6	250	34.1	9	3.0	239	18.9	12	50.0	228	1.7	15	57.9	216	38.7	18	20.6
20		278	16.2	0	8.9	266	44.3	4	48.4	255	24.7	9	6.4	244	9.5	12	52.9	232	52.3	16	0.2	221	29.2	18	22.2
40		283	6.5	0	12.9	271	34.8	4	52.2	260	15.3	9	9.8	249	0.1	12	55.8	237	42.9	16	2.5	226	19.7	18	23.9
9	0	287	56.8	0	16.8	276	25.3	4	55.9	265	5.9	9	13.2	253	50.7	12	58.7	242	33.4	16	4.8	231	10.1	18	25.9
20		292	47.0	0	20.8	281	15.8	4	59.7	269	56.5	9	16.5	258	41.3	13	1.6	247	24.0	16	7.1	236	0.6	18	27.1
40		297	37.3	0	24.8	286	6.3	5	3.4	274	47.1	9	19.9	263	32.0	13	4.4	252	14.5	16	9.3	240	51.1	18	28.7
10	0	302	27.6	0	28.8	290	56.8	5	7.1	279	37.8	9	23.3	268	22.6	13	7.3	257	5.1	16	11.6	245	41.5	18	30.3
20		307	17.9	0	32.7	295	47.3	5	10.9	284	28.4	9	26.6	273	13.2	13	10.1	261	55.6	16	13.8	250	32.0	18	31.9
40		312	8.2	0	36.7	300	37.8	5	14.6	289	19.0	9	30.0	278	3.8	13	13.0	266	46.2	16	16.1	255	22.4	18	33.4
11	0	316	58.5	0	40.6	305	28.3	5	18.3	294	9.6	9	33.3	282	54.4	13	15.8	271	36.7	16	18.3	260	12.9	18	35.0
20		321	48.8	0	44.6	310	18.8	5	22.1	299	0.2	9	36.6	287	45.0	13	18.6	276	27.3	16	20.5	265	3.3	18	36.6
40		326	39.0	0	48.6	315	9.3	5	25.8	303	50.8	9	40.0	292	35.7	13	21.4	281	17.8	16	22.8	269	53.8	18	38.1
12	0	331	29.4	0	52.5	319	59.9	5	29.5	308	41.4	9	43.3	297	26.3	13	24.3	286	8.4	16	25.0	274	44.2	18	39.6
20		336	19.7	0	56.5	324	50.4	5	33.2	313	32.1	9	46.6	302	16.9	13	27.1	290	58.9	16	27.2	279	34.7	18	41.2
40		341	10.0	1	0.4	329	40.9	5	36.9	318	22.7	9	49.9	307	7.5	13	29.8	295	49.5	16	29.3	284	25.1	18	42.7
13	0	346	0.3	1	4.4	334	31.4	5	40.6	323	13.3	9	53.2	311	58.1	13	32.6	300	40.0	16	31.5	289	15.5	18	44.2
20		350	50.6	1	8.3	339	22.0	5	44.3	328	3.9	9	56.5	316	48.7	13	35.4	305	30.6	16	33.7	294	6.0	18	45.7
40		355	40.9	1	12.3	344	12.5	5	48.0	332	54.5	9	59.8	321	39.3	13	38.2	310	21.1	16	35.9	298	56.4	18	47.2
14	0	0	31.3	1	16.2	349	3.0	5	51.7	337	45.2	10	3.1	326	30.0	13	40.9	315	11.6	16	38.0	303	46.9	18	48.6
20		5	21.6	1	20.1	353	53.6	5	55.4	342	35.8	10	6.3	331	20.6	13	43.7	320	2.2	16	40.2	308	37.3	18	50.1
40		10	11.9	1	24.1	358	44.1	5	59.0	347	26.4	10	9.6	336	11.2	13	46.4	324	52.7	16	42.3	313	27.7	18	51.6
15	0	15	2.3	1	28.0	3	34.6	6	2.7	352	17.0	10	12.9	341	1.8	13	49.2	329	43.3	16	44.4	318	18.2	18	53.0
20		19	52.6	1	31.9	8	25.2	6	6.4	357	7.6	10	16.1	345	52.4	13	51.9	334	33.8	16	46.5	323	8.6	18	54.4
40		24	42.9	1	35.9	13	15.7	6	10.0	1	58.3	10	19.4	350	43.0	13	54.6	339	24.3	16	48.6	327	59.0	18	55.9
16	0	29	33.3	1	39.8	18	6.3	6	13.7	6	48.9	10	22.6	355	33.6	13	57.3	344	14.9	16	50.7	332	49.5	18	57.3
20		34	23.6	1	43.7	22	56.8	6	17.3	11	39.5	10	25.8	0	24.2	14	0.0	349	5.4	16	52.8	337	39.9	18	58.7
40		39	14.0	1	47.6	27	47.3	6	21.0	16	30.1	10	29.1	5	14.8	14	2.7	353	55.9	16	54.9	342	30.3	19	0.1
17	0	44	4.4	1	51.6	32	37.9	6	24.6	21	20.7	10	32.3	10	5.4	14	5.4	358	46.4	16	57.0	347	20.7	19	1.5
20		48	54.7	1	55.5	37	28.4	6	28.3	26	11.4	10	35.5	14	56.0	14	8.1	3	37.0	16	59.0	352	11.2	19	2.9
40		53	45.1	1	59.4	42	19.0	6	31.9	31	2.0	10	38.7	19	46.6	14	10.8	8	27.5	17	1.1	357	1.6	19	4.2
18	0	58	35.5	2	3.3	47	9.5	6	35.5	35	52.6	10	41.9	24	37.2	14	13.5	13	18.0	17	3.1	1	52.0	19	5.6
20		63	25.8	2	7.2	52	0.1	6	39.2	40	43.2	10	45.1	29	27.8	14									

			18 Feb			19 Feb			20 Feb			21 Feb			22 Feb			23 Feb							
GHA			Dec			GHA			Dec			GHA			Dec			GHA							
<i>h</i>	<i>m</i>	<i>o</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>					
0	0	88	59.4	19	28.3	77	24.7	20	26.2	65	45.7	20	29.8	54	6.0	19	38.5	42	29.4	17	53.7	30	58.4	15	18.8
20		93	49.8	19	29.5	82	15.0	20	26.6	70	35.9	20	29.4	58	56.3	19	37.4	47	19.7	17	51.9	35	48.9	15	16.4
40		98	40.1	19	30.6	87	5.3	20	27.0	75	26.2	20	29.1	63	46.6	19	36.3	52	10.1	17	50.1	40	39.3	15	13.9
1	0	103	30.5	19	31.8	91	55.6	20	27.4	80	16.5	20	28.7	68	36.9	19	35.2	57	0.4	17	48.2	45	29.8	15	11.4
20		108	20.9	19	32.9	96	45.9	20	27.8	85	6.8	20	28.4	73	27.2	19	34.1	61	50.8	17	46.4	50	20.2	15	8.9
40		113	11.3	19	34.0	101	36.3	20	28.2	89	57.0	20	28.0	78	17.4	19	32.9	66	41.2	17	44.5	55	10.7	15	6.4
2	0	118	1.7	19	35.2	106	26.6	20	28.6	94	47.3	20	27.6	83	7.7	19	31.8	71	31.5	17	42.6	60	1.1	15	3.8
20		122	52.1	19	36.3	111	16.9	20	28.9	99	37.6	20	27.2	87	58.0	19	30.6	76	21.9	17	40.8	64	51.6	15	1.3
40		127	42.5	19	37.4	116	7.2	20	29.3	104	27.9	20	26.8	92	48.3	19	29.4	81	12.3	17	38.9	69	42.0	14	58.8
3	0	132	32.9	19	38.4	120	57.5	20	29.6	109	18.2	20	26.4	97	38.7	19	28.3	86	2.7	17	37.0	74	32.5	14	56.2
20		137	23.3	19	39.5	125	47.8	20	30.0	114	8.4	20	25.9	102	29.0	19	27.1	90	53.0	17	35.1	79	23.0	14	53.7
40		142	13.6	19	40.6	130	38.1	20	30.3	118	58.7	20	25.5	107	19.3	19	25.9	95	43.4	17	33.2	84	13.4	14	51.1
4	0	147	4.0	19	41.6	135	28.4	20	30.6	123	49.0	20	25.0	112	9.6	19	24.7	100	33.8	17	31.2	89	3.9	14	48.5
20		151	54.4	19	42.7	140	18.7	20	30.9	128	39.3	20	24.6	116	59.9	19	23.5	105	24.1	17	29.3	93	54.3	14	45.9
40		156	44.8	19	43.7	145	9.0	20	31.2	133	29.5	20	24.1	121	50.2	19	22.2	110	14.5	17	27.4	98	44.8	14	43.4
5	0	161	35.1	19	44.8	149	59.3	20	31.5	138	19.8	20	23.6	126	40.5	19	21.0	115	4.9	17	25.4	103	35.3	14	40.8
20		166	25.5	19	45.8	154	49.6	20	31.7	143	10.1	20	23.1	131	30.8	19	19.7	119	55.3	17	23.5	108	25.7	14	38.1
40		171	15.9	19	46.8	159	39.9	20	32.0	148	0.4	20	22.6	136	21.1	19	18.5	124	45.7	17	21.5	113	16.2	14	35.5
6	0	176	6.3	19	47.8	164	30.2	20	32.2	152	50.6	20	22.1	141	11.4	19	17.2	129	36.0	17	19.5	118	6.7	14	32.9
20		180	56.6	19	48.8	169	20.5	20	32.5	157	40.9	20	21.5	146	1.7	19	15.9	134	26.4	17	17.5	122	57.1	14	30.3
40		185	47.0	19	49.8	174	10.8	20	32.7	162	31.2	20	21.0	150	52.0	19	14.6	139	16.8	17	15.5	127	47.6	14	27.6
7	0	190	37.4	19	50.7	179	1.1	20	32.9	167	21.5	20	20.5	155	42.3	19	13.3	144	7.2	17	13.5	132	38.1	14	25.0
20		195	27.7	19	51.6	183	51.4	20	33.1	172	11.8	20	19.9	160	32.6	19	12.0	148	57.6	17	11.5	137	28.6	14	22.3
40		200	18.1	19	52.6	188	41.7	20	33.3	177	2.0	20	19.3	165	22.9	19	10.7	153	48.0	17	9.5	142	19.0	14	19.7
8	0	205	8.5	19	53.5	193	32.0	20	33.5	181	52.3	20	18.7	170	13.3	19	9.4	158	38.3	17	7.4	147	9.5	14	17.0
20		209	58.8	19	54.4	198	22.3	20	33.7	186	42.6	20	18.2	175	3.6	19	8.0	163	28.7	17	5.4	151	60.0	14	14.3
40		214	49.2	19	55.4	203	12.6	20	33.8	191	32.9	20	17.6	179	53.9	19	6.7	168	19.1	17	3.3	156	50.5	14	11.6
9	0	219	39.6	19	56.3	208	2.9	20	34.0	196	23.1	20	16.9	184	44.2	19	5.3	173	9.5	17	1.2	161	40.9	14	8.9
20		224	29.9	19	57.2	212	53.2	20	34.1	201	13.4	20	16.3	189	34.5	19	4.0	177	59.9	16	59.2	166	31.4	14	6.2
40		229	20.3	19	58.0	217	43.5	20	34.2	206	3.7	20	15.7	194	24.8	19	2.6	182	50.3	16	57.1	171	21.9	14	3.5
10	0	234	10.6	19	58.9	222	33.8	20	34.4	210	54.0	20	15.0	199	15.2	19	1.2	187	40.7	16	55.0	176	12.4	14	0.8
20		239	1.0	19	59.8	227	24.1	20	34.5	215	44.3	20	14.4	204	5.5	18	59.8	192	31.1	16	52.9	181	2.9	13	58.1
40		243	51.4	20	0.6	232	14.3	20	34.6	220	34.5	20	13.7	208	55.8	18	58.4	197	21.5	16	50.8	185	53.4	13	55.3
11	0	248	41.7	20	1.5	237	4.6	20	34.6	225	24.8	20	13.0	213	46.1	18	56.9	202	11.9	16	48.7	190	43.8	13	52.6
20		253	32.1	20	2.3	241	54.9	20	34.7	230	15.1	20	12.4	218	36.4	18	55.5	207	2.3	16	46.5	195	34.3	13	49.8
40		258	22.4	20	3.1	246	45.2	20	34.8	235	5.4	20	11.7	223	26.7	18	54.1	211	52.7	16	44.4	200	24.8	13	47.1
12	0	263	12.8	20	3.9	251	35.5	20	34.8	239	55.6	20	11.0	228	17.1	18	52.6	216	43.1	16	42.2	205	15.3	13	44.3
20		268	3.1	20	4.7	256	25.8	20	34.9	244	45.9	20	10.2	233	7.4	18	51.2	221	33.5	16	40.1	210	5.8	13	41.5
40		272	53.5	20	5.5	261	16.1	20	34.9	249	36.2	20	9.5	237	57.7	18	49.7	226	23.9	16	37.9	214	56.3	13	38.7
13	0	277	43.8	20	6.3	266	6.4	20	34.9	254	26.5	20	8.8	242	48.0	18	48.2	231	14.3	16	35.7	219	46.8	13	35.9
20		282	34.2	20	7.1	270	56.7	20	35.0	259	16.8	20	8.0	247	38.4	18	46.7	236	4.7	16	33.5	224	37.3	13	33.1
40		287	24.5	20	7.8	275	46.9	20	35.0	264	7.0	20	7.3	252	28.7	18	45.2	240	55.1	16	31.3	229	27.8	13	30.3
14	0	292	14.9	20	8.6	280	37.2	20	35.0	268	57.3	20	6.5	257	19.0	18	43.7	245	45.5	16	29.1	234	18.3	13	27.5
20		297	5.2	20	9.3	285	27.5	20	34.9	273	47.6	20	5.7	262	9.4	18	42.2	250	35.9	16	26.9	239	8.8	13	24.7
40		301	55.5	20	10.0	290	17.8	20	34.9	278	37.9	20	4.9	266	59.7	18	40.6	255	26.4	16	24.7	243	59.2	13	21.9
15	0	306	45.9	20	10.8	295	8.1	20	34.9	283	28.2	20	4.1	271	50.0	18	39.1	260	16.8	16	22.5	248	49.7	13	19.0
20		311	36.2	20	11.5	299	58.4	20	34.8	288	18.5	20	3.3	276	40.4	18	37.5	265	7.2	16	20.2	253	40.2	13	16.2
40		316	26.6	20	12.2	304	48.7	20	34.8	293	8.7	20	2.5	281	30.7	18	36.0	269	57.6	16	18.0	258	30.7	13	13.3
16	0	321	16.9	20	12.8	309	38.9	20	34.7	297	59.0	20	1.6	286	21.0	18	34.4	274	48.0	16	15.7	263	21.3	13	10.5
20		326	7.2	20	13.5	314	29.2	20	34.6	302	49.3	20	0.8	291	11.4	18	32.8	279	38.4	16	13.5	268	11.8	13	7.6
40		330	57.6	20	14.2	319	19.5	20	34.5	307	39.6	19	59.9	296	1.7	18	31.2	284	28.9	16	11.2	273	2.3	13	4.7
17	0	335	47.9	20	14.8	324	9.8	20	34.4	312	29.9	19	59.1	300	52.0	18	29.6	289	19.3	16	8.9	277	52.8	13	1.8
20		340	38.2	20	15.5	329	0.1	20	34.3	317	20.2	19	58.2	305	42.4	18	28.0	294	9.7	16	6.6	282	43.3	12	58.9
40		345	28.6	20	16.1	333	50.4	20	34.2	322	10.4	19	57.3	310	32.7	18	26.4	299	0.1	16	4.3	287	33.8	12	56.0
18																									

		24 Feb				25 Feb				26 Feb				27 Feb				28 Feb				1 Mar			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	19	33.6	11	59.5	8	12.7	8	3.4	356	51.3	3	40.3	345	22.8	-0	57.9	333	39.2	-5	37.9	321	32.6	-10	4.4
0	20	24	24.1	11	56.5	13	3.3	7	59.9	1	41.8	3	36.5	350	13.1	-1	1.8	338	29.3	-5	41.7	326	22.3	-10	7.9
0	40	29	14.6	11	53.4	17	53.8	7	56.4	6	32.3	3	32.8	355	3.5	-1	5.8	343	19.3	-5	45.5	331	12.0	-10	11.4
1	0	34	5.1	11	50.3	22	44.4	7	52.9	11	22.8	3	29.0	359	53.8	-1	9.7	348	9.4	-5	49.3	336	1.7	-10	14.9
0	20	38	55.7	11	47.3	27	35.0	7	49.4	16	13.3	3	25.2	4	44.1	-1	13.6	352	59.5	-5	53.2	340	51.4	-10	18.5
0	40	43	46.2	11	44.2	32	25.5	7	45.9	21	3.8	3	21.4	9	34.5	-1	17.5	357	49.5	-5	57.0	345	41.1	-10	22.0
2	0	48	36.7	11	41.1	37	16.1	7	42.4	25	54.3	3	17.6	14	24.8	-1	21.4	2	39.6	-6	0.8	350	30.7	-10	25.5
0	20	53	27.3	11	38.0	42	6.6	7	38.8	30	44.8	3	13.7	19	15.2	-1	25.3	7	29.7	-6	4.6	355	20.4	-10	29.0
0	40	58	17.8	11	34.9	46	57.2	7	35.3	35	35.3	3	9.9	24	5.5	-1	29.2	12	19.7	-6	8.4	0	10.1	-10	32.5
3	0	63	8.3	11	31.8	51	47.7	7	31.8	40	25.8	3	6.1	28	55.8	-1	33.1	17	9.8	-6	12.2	4	59.8	-10	35.9
0	20	67	58.9	11	28.7	56	38.3	7	28.2	45	16.3	3	2.3	33	46.1	-1	37.0	21	59.8	-6	16.0	9	49.4	-10	39.4
0	40	72	49.4	11	25.6	61	28.8	7	24.7	50	6.8	2	58.5	38	36.5	-1	41.0	26	49.8	-6	19.8	14	39.1	-10	42.9
4	0	77	39.9	11	22.5	66	19.4	7	21.1	54	57.3	2	54.7	43	26.8	-1	44.9	31	39.9	-6	23.6	19	28.7	-10	46.4
0	20	82	30.4	11	19.3	71	9.9	7	17.6	59	47.8	2	50.8	48	17.1	-1	48.8	36	29.9	-6	27.4	24	18.4	-10	49.8
0	40	87	21.0	11	16.2	76	0.5	7	14.0	64	38.2	2	47.0	53	7.4	-1	52.7	41	19.9	-6	31.2	29	8.0	-10	53.3
5	0	92	11.5	11	13.0	80	51.0	7	10.5	69	28.7	2	43.2	57	57.7	-1	56.6	46	9.9	-6	35.0	33	57.6	-10	56.7
0	20	97	2.1	11	9.9	85	41.6	7	6.9	74	19.2	2	39.4	62	48.0	-2	0.5	50	60.0	-6	38.8	38	47.3	-11	0.2
0	40	101	52.6	11	6.7	90	32.1	7	3.3	79	9.7	2	35.5	67	38.3	-2	4.4	55	50.0	-6	42.6	43	36.9	-11	3.6
6	0	106	43.1	11	3.6	95	22.7	6	59.7	84	0.2	2	31.7	72	28.6	-2	8.3	60	40.0	-6	46.4	48	26.5	-11	7.0
0	20	111	33.7	11	0.4	100	13.2	6	56.2	88	50.6	2	27.9	77	18.9	-2	12.2	65	30.0	-6	50.1	53	16.1	-11	10.4
0	40	116	24.2	10	57.2	105	3.8	6	52.6	93	41.1	2	24.0	82	9.2	-2	16.1	70	20.0	-6	53.9	58	5.7	-11	13.9
7	0	121	14.7	10	54.0	109	54.3	6	49.0	98	31.6	2	20.2	86	59.5	-2	20.1	75	10.0	-6	57.7	62	55.3	-11	17.3
0	20	126	5.3	10	50.8	114	44.9	6	45.4	103	22.0	2	16.3	91	49.8	-2	24.0	79	59.9	-7	1.4	67	44.9	-11	20.7
0	40	130	55.8	10	47.6	119	35.4	6	41.8	108	12.5	2	12.5	96	40.0	-2	27.9	84	49.9	-7	5.2	72	34.5	-11	24.1
8	0	135	46.4	10	44.4	124	26.0	6	38.2	113	3.0	2	8.6	101	30.3	-2	31.8	89	39.9	-7	9.0	77	24.0	-11	27.5
0	20	140	36.9	10	41.2	129	16.5	6	34.6	117	53.4	2	4.8	106	20.6	-2	35.7	94	29.9	-7	12.7	82	13.6	-11	30.8
0	40	145	27.4	10	38.0	134	7.1	6	30.9	122	43.9	2	0.9	111	10.9	-2	39.6	99	19.8	-7	16.5	87	3.2	-11	34.2
9	0	150	18.0	10	34.8	138	57.6	6	27.3	127	34.4	1	57.1	116	1.1	-2	43.5	104	9.8	-7	20.2	91	52.7	-11	37.6
0	20	155	8.5	10	31.6	143	48.1	6	23.7	132	24.8	1	53.2	120	51.4	-2	47.4	108	59.7	-7	24.0	96	42.3	-11	40.9
0	40	159	59.1	10	28.3	148	38.7	6	20.1	137	15.3	1	49.4	125	41.6	-2	51.3	113	49.7	-7	27.7	101	31.8	-11	44.3
10	0	164	49.6	10	25.1	153	29.2	6	16.4	142	5.7	1	45.5	130	31.9	-2	55.2	118	39.6	-7	31.4	106	21.4	-11	47.6
0	20	169	40.2	10	21.8	158	19.8	6	12.8	146	56.2	1	41.6	135	22.2	-2	59.1	123	29.6	-7	35.2	111	10.9	-11	51.0
0	40	174	30.7	10	18.6	163	10.3	6	9.2	151	46.6	1	37.8	140	12.4	-3	3.0	128	19.5	-7	38.9	116	0.4	-11	54.3
11	0	179	21.2	10	15.3	168	0.9	6	5.5	156	37.1	1	33.9	145	2.6	-3	6.9	133	9.4	-7	42.6	120	49.9	-11	57.7
0	20	184	11.8	10	12.0	172	51.4	6	1.9	161	27.5	1	30.0	149	52.9	-3	10.8	137	59.4	-7	46.3	125	39.5	-12	1.0
0	40	189	2.3	10	8.8	177	41.9	5	58.2	166	18.0	1	26.2	154	43.1	-3	14.7	142	49.3	-7	50.1	130	29.0	-12	4.3
12	0	193	52.9	10	5.5	182	32.5	5	54.5	171	8.4	1	22.3	159	33.4	-3	18.6	147	39.2	-7	53.8	135	18.5	-12	7.6
0	20	198	43.4	10	2.2	187	23.0	5	50.9	175	58.9	1	18.4	164	23.6	-3	22.5	152	29.1	-7	57.5	140	8.0	-12	10.9
0	40	203	34.0	9	58.9	192	13.6	5	47.2	180	49.3	1	14.5	169	13.8	-3	26.4	157	19.0	-8	1.2	144	57.5	-12	14.2
13	0	208	24.5	9	55.6	197	4.1	5	43.5	185	39.7	1	10.7	174	4.0	-3	30.3	162	8.9	-8	4.9	149	46.9	-12	17.5
0	20	213	15.1	9	52.3	201	54.6	5	39.9	190	30.2	1	6.8	178	54.3	-3	34.2	166	58.8	-8	8.6	154	36.4	-12	20.7
0	40	218	5.6	9	49.0	206	45.2	5	36.2	195	20.6	1	2.9	183	44.5	-3	38.1	171	48.7	-8	12.3	159	25.9	-12	24.0
14	0	222	56.2	9	45.7	211	35.7	5	32.5	200	11.0	0	59.0	188	34.7	-3	42.0	176	38.6	-8	16.0	164	15.4	-12	27.3
0	20	227	46.7	9	42.3	216	26.2	5	28.8	205	1.5	0	55.1	193	24.9	-3	45.8	181	28.5	-8	19.6	169	4.8	-12	30.5
0	40	232	37.3	9	39.0	221	16.8	5	25.1	209	51.9	0	51.3	198	15.1	-3	49.7	186	18.3	-8	23.3	173	54.3	-12	33.8
15	0	237	27.8	9	35.7	226	7.3	5	21.4	214	42.3	0	47.4	203	5.3	-3	53.6	191	8.2	-8	27.0	178	43.7	-12	37.0
0	20	242	18.4	9	32.3	230	57.8	5	17.7	219	32.7	0	43.5	207	55.5	-3	57.5	195	58.1	-8	30.7	183	33.2	-12	40.2
0	40	247	8.9	9	29.0	235	48.4	5	14.0	224	23.1	0	39.6	212	45.7	-4	1.4	200	47.9	-8	34.3	188	22.6	-12	43.5
16	0	251	59.5	9	25.6	240	38.9	5	10.3	229	13.6	0	35.7	217	35.9	-4	5.3	205	37.8	-8	38.0	193	12.0	-12	46.7
0	20	256	50.0	9	22.3	245	29.4	5	6.6	234	4.0	0	31.8	222	26.1	-4	9.1	210	27.6	-8	41.6	198	1.4	-12	49.9
0	40	261	40.6	9	18.9	250	20.0	5	2.9	238	54.4	0	27.9	227	16.2	-4	13.0	215	17.5	-8	45.3	202	50.9	-12	53.1
17	0	266	31.1	9	15.5	255	10.5	4	59.2	243	44.8	0	24.0	232	6.4	-4	16.9	220	7.3	-8	48.9	207	40.3	-12	56.3
0	20	271	21.7	9	12.1	260	1.0	4	55.5	248	35.2	0	20.1	236	56.6	-4	20.8	224	57.1	-8	52.6	212	29.7	-12	59.5
0	40	276	12.2	9	8.8	264	51.5	4	51.7	253	25.6	0	16.2	241	46.8	-4	24.7	229	47.0	-8	56.2	217	19.1	-13	2.6
18	0	281	2.8	9	5.4	269	42.1	4	48.0	258	16.0	0	12.3	246	36.9	-4	28.5	234	36.8	-8	59.9	222	8.4	-13	5.8
0	20	285	53.3	9	2.0	274	32.6	4	44.3	263	6.4	0	8.4	251	27.1	-4	32.4	239	26.6	-9	3.5	226	57.8	-13	9.0
0																									

h m	2 Mar					3 Mar					4 Mar					5 Mar					6 Mar					7 Mar				
	GHA		Dec		d	GHA		Dec		d	GHA		Dec		d	GHA		Dec		d	GHA		Dec		d	GHA		Dec		d
0 0	308	56.4	-14	1.4		295	47.6	-17	12.9		282	8.6	-19	24.3		268	8.6	-20	24.1		254	2.2	-20	6.7		240	5.6	-18	33.3	
20	313	45.7	-14	4.4		300	36.4	-17	15.2	-2.3	286	57.1	-19	25.6	-1.3	272	56.9	-20	24.4	-0.3	258	50.5	-20	5.9	0.8	244	54.1	-18	31.5	
40	318	34.9	-14	7.4	-3.0	305	25.2	-17	17.5		291	45.5	-19	26.9		277	45.1	-20	24.6		263	38.7	-20	5.1		249	42.6	-18	29.7	
1 0	323	24.2	-14	10.4		310	14.0	-17	19.7		296	34.0	-19	28.2		282	33.4	-20	24.9		268	27.0	-20	4.3		254	31.1	-18	27.8	
20	328	13.4	-14	13.4	-3.0	315	2.8	-17	21.9	-2.2	301	22.4	-19	29.5	-1.3	287	21.6	-20	25.2	-0.2	273	15.3	-20	3.5	0.9	259	19.7	-18	26.0	
40	333	2.7	-14	16.4		319	51.6	-17	24.2		306	10.8	-19	30.8		292	9.9	-20	25.4		278	3.6	-20	2.6		264	8.2	-18	24.1	
2 0	337	51.9	-14	19.3		324	40.4	-17	26.4		310	59.3	-19	32.1		296	58.1	-20	25.6		282	51.9	-20	1.7		268	56.8	-18	22.3	
20	342	41.1	-14	22.3	-3.0	329	29.2	-17	28.6	-2.2	315	47.7	-19	33.3	-1.2	301	46.4	-20	25.8	-0.2	287	40.2	-20	0.9	0.9	273	45.3	-18	20.4	
40	347	30.4	-14	25.2		334	18.0	-17	30.8		320	36.1	-19	34.6		306	34.6	-20	26.0		292	28.5	-20	0.0		278	33.9	-18	18.5	
3 0	352	19.6	-14	28.2		339	6.7	-17	32.9		325	24.5	-19	35.8		311	22.8	-20	26.2		297	16.8	-19	59.1		283	22.4	-18	16.6	
20	357	8.8	-14	31.1	-2.9	343	55.5	-17	35.1	-2.2	330	12.9	-19	37.0	-1.1	316	11.1	-20	26.3	-0.1	302	5.0	-19	58.2	0.9	288	11.0	-18	14.7	
40	1	58.0	-14	34.0		348	44.3	-17	37.2		335	1.3	-19	38.2		320	59.3	-20	26.5		306	53.3	-19	57.2		292	59.5	-18	12.7	
4 0	6	47.2	-14	36.9	-2.9	353	33.0	-17	39.4	-2.1	339	49.7	-19	39.4	-1.2	325	47.6	-20	26.6	-0.1	311	41.6	-19	56.3	1.0	297	48.1	-18	10.8	
20	11	36.4	-14	39.8		358	21.8	-17	41.5		344	38.1	-19	40.6		330	35.8	-20	26.7		316	29.9	-19	55.3		302	36.7	-18	8.8	
40	16	25.6	-14	42.7	-2.9	3	10.5	-17	43.6	-2.1	349	26.5	-19	41.7	-1.2	335	24.0	-20	26.8	-0.1	321	18.3	-19	54.3	1.0	307	25.3	-18	6.9	
5 0	21	14.8	-14	45.6		7	59.2	-17	45.7		354	14.9	-19	42.9		340	12.3	-20	26.9		326	6.6	-19	53.3		312	13.9	-18	4.9	
20	26	3.9	-14	48.5	-2.9	12	48.0	-17	47.8	-2.1	359	3.3	-19	44.0	-1.1	345	0.5	-20	27.0	0.0	330	54.9	-19	52.3	1.0	317	2.4	-18	2.9	
40	30	53.1	-14	51.3		17	36.7	-17	49.9		3	51.7	-19	45.1		349	48.7	-20	27.0		335	43.2	-19	51.3	1.0	321	51.0	-18	0.9	
6 0	35	42.3	-14	54.2	-2.8	22	25.4	-17	51.9	-2.0	8	40.1	-19	46.2	-1.1	354	37.0	-20	27.0	0.0	340	31.5	-19	50.3	1.1	326	39.6	-17	58.8	
20	40	31.4	-14	57.0		27	14.1	-17	54.0		13	28.5	-19	47.3		359	25.2	-20	27.1		345	19.8	-19	49.2		331	28.2	-17	56.8	
40	45	20.6	-14	59.9	-2.8	32	2.8	-17	56.0	-2.0	18	16.9	-19	48.4	-1.1	4	13.5	-20	27.1	0.0	350	8.1	-19	48.2	1.1	336	16.2	-17	54.8	
7 0	50	9.7	-15	2.7		36	51.5	-17	58.0		23	5.2	-19	49.5		9	1.7	-20	27.1		354	56.5	-19	47.1		341	5.5	-17	52.7	
20	54	58.8	-15	5.5	-2.8	41	40.2	-18	0.1	-2.0	27	53.6	-19	50.5	-1.0	13	49.9	-20	27.0	0.0	359	44.8	-19	46.0	1.1	345	54.1	-17	50.6	
40	59	48.0	-15	8.3		46	28.9	-18	2.1		32	42.0	-19	51.5		18	38.2	-20	27.0		4	33.1	-19	44.9		350	42.7	-17	48.5	
8 0	64	37.1	-15	11.1		51	17.6	-18	4.1		37	30.3	-19	52.5		23	26.4	-20	27.0		9	21.5	-19	43.7		355	31.4	-17	46.4	
20	69	26.2	-15	13.9	-2.8	56	6.3	-18	6.0	-1.9	42	18.7	-19	53.5	-1.0	28	14.6	-20	26.9	0.1	14	9.8	-19	42.6	1.1	0	20.0	-17	44.3	
40	74	15.3	-15	16.7		60	55.0	-18	8.0		47	7.0	-19	54.5		33	2.9	-20	26.8		18	58.1	-19	41.5		5	8.6	-17	42.2	
9 0	79	4.4	-15	19.4		65	43.7	-18	9.9		51	55.4	-19	55.5		37	51.1	-20	26.7		23	46.5	-19	40.3		9	57.3	-17	40.1	
20	83	53.5	-15	22.2	-2.8	70	32.3	-18	11.9	-1.9	56	43.7	-19	56.5	-0.9	42	39.3	-20	26.6	0.1	28	34.8	-19	39.1	1.2	14	45.9	-17	37.9	
40	88	42.6	-15	24.9		75	21.0	-18	13.8		61	32.1	-19	57.4		47	27.6	-20	26.5		33	23.2	-19	37.9		19	34.6	-17	35.8	
10 0	93	31.7	-15	27.7		80	9.6	-18	15.7		66	20.4	-19	58.3		52	15.8	-20	26.3		38	11.5	-19	36.7		24	23.3	-17	33.6	
20	98	20.8	-15	30.4	-2.7	84	58.3	-18	17.6	-1.9	71	8.8	-19	59.3	-0.9	57	4.0	-20	26.2	0.2	42	59.9	-19	35.5	1.2	29	11.9	-17	31.4	
40	103	9.8	-15	33.1		89	46.9	-18	19.5		75	57.1	-20	0.2		61	52.3	-20	26.0		47	48.2	-19	34.2		34	0.6	-17	29.2	
11 0	107	58.9	-15	35.8		94	35.6	-18	21.4		80	45.5	-20	1.0		66	40.5	-20	25.8		52	36.6	-19	33.0		38	49.3	-17	27.0	
20	112	48.0	-15	38.5	-2.7	99	24.2	-18	23.2	-1.8	85	33.8	-20	1.9	-0.9	71	28.7	-20	25.6	0.2	57	25.0	-19	31.7	1.3	43	38.0	-17	24.8	
40	117	37.0	-15	41.2		104	12.8	-18	25.1		90	22.1	-20	2.8		76	17.0	-20	25.4		62	13.3	-19	30.4		48	26.7	-17	22.6	
12 0	122	26.1	-15	43.8		109	1.5	-18	26.9		95	10.4	-20	3.6		81	5.2	-20	25.1		67	1.7	-19	29.1		53	15.4	-17	20.3	
20	127	15.1	-15	46.5	-2.7	113	50.1	-18	28.8	-1.8	99	58.8	-20	4.4	-0.8	85	53.4	-20	24.9	0.3	71	50.1	-19	27.8	1.3	58	4.1	-17	18.1	
40	132	4.1	-15	49.2		118	38.7	-18	30.6		104	47.1	-20	5.2		90	41.7	-20	24.6		76	38.4	-19	26.5		62	52.8	-17	15.8	
13 0	136	53.2	-15	51.8		123	27.3	-18	32.4		109	35.4	-20	6.0		95	29.9	-20	24.3		81	26.8	-19	25.2		67	41.5	-17	13.5	
20	141	42.2	-15	54.4	-2.6	128	15.9	-18	34.2	-1.8	114	23.7	-20	6.8	-0.8	100	18.1	-20	24.0	0.3	86	15.2	-19	23.8	1.4	72	30.2	-17	11.2	
40	146	31.2	-15	57.1		133	4.5	-18	35.9		119	12.0	-20	7.6		105	6.4	-20	23.7		91	3.6	-19	22.5		77	18.9	-17	8.9	
14 0	151	20.2	-15	59.7		137	53.6	-18	37.7		124	0.3	-20	8.3		109	54.6	-20	23.4		95	52.0	-19	21.1		82	7.7	-17	6.6	
20	156	9.2	-16	2.3	-2.6	142	41.7	-18	39.4	-1.7	128	48.6	-20	9.1	-0.7	114	42.8	-20	23.1	0.4	100	40.4	-19	19.7	1.4	86	56.4	-17	4.3	
40	160	58.2	-16	4.9		147	30.2	-18	41.2		133	37.0	-20	9.8		119	31.1	-20	22.7		105	28.8	-19	18.3		91	45.1	-17	1.9	
15 0	165	47.2	-16	7.4		152	18.8	-18	42.9		138	25.3	-20	10.5		124	19.3	-20	22.3		110	17.2	-19	16.9		96	33.9	-16	59.6	
20	170	36.2	-16	10.0	-2.6	157	7.4	-18	44.6	-1.7	143	13.6	-20	11.2	-0.7	129	7.5	-20	22.0	0.4	115	5.6	-19	15.4	1.5	101	22.6	-16	57.2	
40	175	25.1	-16	12.6		161	56.0	-18	46.3		148	1.9	-20	11.9		133	55.8	-20	21.6		119	54.0	-19	14.0		106	11.4	-16	54.8	
16 0	180	14.1	-16	15.1		166	44.5	-18	48.0		152	50.1	-20	12.6		138	44.0	-20	21.1		124	42.4	-19	12.5		111	0.1	-16	52.4	
20	185	3.1	-16	17.7	-2.5	171	33.1	-18	49.6	-1.6	157	38.4	-20	13.2	-0.6	143	32.3	-20	20.7	0.4	129	30.8	-19	11.0	1.5	115	48.9	-16	50.0	
40	189	52.0	-16	20.2		176	21.6	-18	51.3		162	26.7	-20	13.8		148	20.5	-20	20.3		134	19.3	-19	9						

		8 Mar				9 Mar				10 Mar				11 Mar				12 Mar				13 Mar			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	226	32.2	-15	51.8	213	29.6	-12	15.3	200	58.5	-8	0.0	188	55.2	-3	23.1	177	12.5	1	19.1	165	42.9	5	51.5
20		231	21.1	-15	49.1	218	18.9	-12	12.0	205	48.3	-7	56.3	193	45.3	-3	19.2	182	2.9	1	23.0	170	33.3	5	55.2
40		236	10.0	-15	46.4	223	8.3	-12	8.6	210	38.1	-7	52.5	198	35.4	-3	15.2	186	53.2	1	26.8	175	23.8	5	58.8
1	0	240	59.0	-15	43.7	227	57.6	-12	5.3	215	27.9	-7	48.8	203	25.5	-3	11.3	191	43.6	1	30.7	180	14.3	6	2.5
20		245	47.9	-15	41.0	232	47.0	-12	2.0	220	17.7	-7	45.0	208	15.7	-3	7.4	196	34.0	1	34.6	185	4.8	6	6.1
40		250	36.8	-15	38.3	237	36.4	-11	58.6	225	7.5	-7	41.3	213	5.8	-3	3.5	201	24.3	1	38.5	189	55.3	6	9.7
2	0	255	25.8	-15	35.6	242	25.8	-11	55.3	229	57.3	-7	37.5	217	55.9	-2	59.5	206	14.7	1	42.3	194	45.7	6	13.4
20		260	14.7	-15	32.9	247	15.2	-11	51.9	234	47.1	-7	33.8	222	46.1	-2	55.6	211	5.0	1	46.2	199	36.2	6	17.0
40		265	3.7	-15	30.1	252	4.6	-11	48.5	239	36.9	-7	30.0	227	36.2	-2	51.7	215	55.4	1	50.1	204	26.7	6	20.6
3	0	269	52.6	-15	27.4	256	54.0	-11	45.1	244	26.7	-7	26.2	232	26.4	-2	47.8	220	45.8	1	53.9	209	17.2	6	24.2
20		274	41.6	-15	24.6	261	43.4	-11	41.8	249	16.6	-7	22.5	237	16.5	-2	43.8	225	36.2	1	57.8	214	7.7	6	27.8
40		279	30.6	-15	21.9	266	32.8	-11	38.4	254	6.4	-7	18.7	242	6.7	-2	39.9	230	26.5	2	1.7	218	58.2	6	31.4
4	0	284	19.5	-15	19.1	271	22.2	-11	35.0	258	56.2	-7	14.9	246	56.8	-2	36.0	235	16.9	2	5.5	223	48.7	6	35.0
20		289	8.5	-15	16.3	276	11.7	-11	31.6	263	46.1	-7	11.1	251	47.0	-2	32.1	240	7.3	2	9.4	228	39.1	6	38.6
40		293	57.5	-15	13.5	281	1.1	-11	28.2	268	35.9	-7	7.3	256	37.2	-2	28.1	244	57.7	2	13.2	233	29.6	6	42.2
5	0	298	46.5	-15	10.7	285	50.6	-11	24.7	273	25.8	-7	3.5	261	27.3	-2	24.2	249	48.0	2	17.1	238	20.1	6	45.8
20		303	35.5	-15	7.9	290	40.0	-11	21.3	278	15.6	-6	59.8	266	17.5	-2	20.3	254	38.4	2	20.9	243	10.6	6	49.4
40		308	24.5	-15	5.0	295	29.5	-11	17.9	283	5.5	-6	56.0	271	7.7	-2	16.3	259	28.8	2	24.8	248	1.1	6	53.0
6	0	313	13.5	-15	2.2	300	18.9	-11	14.4	287	55.4	-6	52.2	275	57.9	-2	12.4	264	19.2	2	28.6	252	51.6	6	56.6
20		318	2.5	-14	59.3	305	8.4	-11	11.0	292	45.2	-6	48.3	280	48.1	-2	8.5	269	9.6	2	32.5	257	42.1	7	0.1
40		322	51.6	-14	56.5	309	57.9	-11	7.5	297	35.1	-6	44.5	285	38.2	-2	4.6	273	60.0	2	36.3	262	32.6	7	3.7
7	0	327	40.6	-14	53.6	314	47.3	-11	4.1	302	25.0	-6	40.7	290	28.4	-2	0.6	278	50.4	2	40.1	267	23.1	7	7.2
20		332	29.6	-14	50.7	319	36.8	-11	0.6	307	14.9	-6	36.9	295	18.6	-1	56.7	283	40.8	2	44.0	272	13.6	7	10.8
40		337	18.7	-14	47.8	324	26.3	-10	57.1	312	4.8	-6	33.1	300	8.8	-1	52.8	288	31.2	2	47.8	277	4.1	7	14.3
8	0	342	7.7	-14	44.9	329	15.8	-10	53.7	316	54.7	-6	29.3	304	59.0	-1	48.8	293	21.6	2	51.6	281	54.6	7	17.9
20		346	56.8	-14	42.0	334	5.3	-10	50.2	321	44.6	-6	25.5	309	49.2	-1	44.9	298	12.0	2	55.5	286	45.1	7	21.4
40		351	45.9	-14	39.1	338	54.8	-10	46.7	326	34.5	-6	21.6	314	39.5	-1	41.0	303	2.4	2	59.3	291	35.6	7	25.0
9	0	356	34.9	-14	36.2	343	44.3	-10	43.2	331	24.4	-6	17.8	319	29.7	-1	37.0	307	52.8	3	3.1	296	26.1	7	28.5
20		1	24.0	-14	33.3	348	33.9	-10	39.7	336	14.3	-6	14.0	324	19.9	-1	33.1	312	43.2	3	6.9	301	16.6	7	32.0
40		6	13.1	-14	30.3	353	23.4	-10	36.2	341	4.2	-6	10.1	329	10.1	-1	29.2	317	33.6	3	10.7	306	7.1	7	35.5
10	0	11	2.2	-14	27.4	358	12.9	-10	32.7	345	54.1	-6	6.3	334	0.3	-1	25.2	322	24.0	3	14.6	310	57.6	7	39.0
20		15	51.3	-14	24.4	3	2.5	-10	29.1	350	44.1	-6	2.4	338	50.6	-1	21.3	327	14.5	3	18.4	315	48.1	7	42.5
40		20	40.4	-14	21.4	7	52.0	-10	25.6	355	34.0	-5	58.6	343	40.8	-1	17.4	332	4.9	3	22.2	320	38.6	7	46.0
11	0	25	29.5	-14	18.4	12	41.6	-10	22.1	0	23.9	-5	54.8	348	31.0	-1	13.5	336	55.3	3	26.0	325	29.1	7	49.5
20		30	18.6	-14	15.4	17	31.1	-10	18.5	5	13.9	-5	50.9	353	21.3	-1	9.5	341	45.7	3	29.8	330	19.6	7	53.0
40		35	7.7	-14	12.4	22	20.7	-10	15.0	10	3.8	-5	47.1	358	11.5	-1	5.6	346	36.1	3	33.6	335	10.1	7	56.5
12	0	39	56.8	-14	9.4	27	10.3	-10	11.4	14	53.8	-5	43.2	3	1.7	-1	1.7	351	26.6	3	37.4	340	0.6	8	0.0
20		44	46.0	-14	6.4	31	59.8	-10	7.9	19	43.8	-5	39.3	7	52.0	-0	57.7	356	17.0	3	41.1	344	51.1	8	3.5
40		49	35.1	-14	3.4	36	49.4	-10	4.3	24	33.7	-5	35.5	12	42.2	-0	53.8	1	7.4	3	44.9	349	41.6	8	6.9
13	0	54	24.3	-14	0.3	41	39.0	-10	0.7	29	23.7	-5	31.6	17	32.5	-0	49.9	5	57.8	3	48.7	354	32.1	8	10.4
20		59	13.4	-13	57.3	46	28.6	-9	57.2	34	13.7	-5	27.8	22	22.8	-0	46.0	10	48.3	3	52.5	359	22.6	8	13.9
40		64	2.6	-13	54.2	51	18.2	-9	53.6	39	3.6	-5	23.9	27	13.0	-0	42.0	15	38.7	3	56.3	4	13.1	8	17.3
14	0	68	51.7	-13	51.2	56	7.8	-9	50.0	43	53.6	-5	20.0	32	3.3	-0	38.1	20	29.1	4	0.0	9	3.6	8	20.8
20		73	40.9	-13	48.1	60	57.4	-9	46.4	48	43.6	-5	16.1	36	53.5	-0	34.2	25	19.6	4	3.8	13	54.1	8	24.2
40		78	30.1	-13	45.0	65	47.0	-9	42.8	53	33.6	-5	12.3	41	43.8	-0	30.3	30	10.0	4	7.6	18	44.6	8	27.6
15	0	83	19.3	-13	41.9	70	36.6	-9	39.2	58	23.6	-5	8.4	46	34.1	-0	26.4	35	0.5	4	11.3	23	35.1	8	31.1
20		88	8.4	-13	38.8	75	26.3	-9	35.6	63	13.6	-5	4.5	51	24.4	-0	22.4	39	50.9	4	15.1	28	25.6	8	34.5
40		92	57.6	-13	35.7	80	15.9	-9	32.0	68	3.6	-5	0.6	56	14.6	-0	18.5	44	41.3	4	18.9	33	16.1	8	37.9
16	0	97	46.8	-13	32.6	85	5.5	-9	28.4	72	53.6	-4	56.8	61	4.9	-0	14.6	49	31.8	4	22.6	38	6.6	8	41.3
20		102	36.1	-13	29.5	89	55.2	-9	24.7	77	43.6	-4	52.9	65	55.2	-0	10.7	54	22.2	4	26.4	42	57.1	8	44.7
40		107	25.3	-13	26.3	94	44.8	-9	21.1	82	33.7	-4	49.0	70	45.5	-0	6.8	59	12.7	4	30.1	47	47.7	8	48.1
17	0	112	14.5	-13	23.2	99	34.5	-9	17.5	87	23.7	-4	45.1	75	35.8	-0	2.8	64	3.1	4	33.8	52	38.2	8	51.5
20		117	3.7	-13	20.0	104	24.1	-9	13.8	92	13.7	-4	41.2	80	26.1	0	1.1	68	53.6	4	37.6	57	28.7	8	54.9
40		121	52.9	-13	16.9	109	13.8	-9	10.2	97	3.7	-4	37.3	85	16.4	0	5.0	73	44.0	4	41.3	62	19.2	8	58.3
18	0	126	42.2	-13	13.7	114	3.5	-9	6.5	101	53.8	-4	33.4	90	6.7	0	8.9	78	34.5	4	45.1	67	9.7	9	1.7
20		131	31.4	-13	10.5	118	53.2	-9	2.9	106	43.8	-4	29.5	94	57.0	0	12.8	83	24.9	4	48.8	72	0.2	9	5.0
40		136	20.7	-13	7.3	123	42.8	-8	59.2																

			14 Mar			15 Mar			16 Mar			17 Mar			18 Mar			19 Mar								
			GHA			GHA			GHA			GHA			GHA			GHA								
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d'</i>	<i>d</i>	<i>o</i>	<i>d'</i>	<i>d</i>	<i>o</i>	<i>d'</i>	<i>d</i>	<i>o</i>	<i>d'</i>	<i>d</i>	<i>o</i>	<i>d'</i>	<i>d</i>	<i>o</i>	<i>d'</i>						
0	0	154	18.9	10	1.4	142	54.8	13	38.2	131	27.0	16	33.7	119	54.0	18	41.5	108	17.0	19	57.6	96	38.5	20	19.9	
0	20	159	9.4	10	4.7	147	45.3	13	41.0	136	17.4	16	35.8	124	44.4	18	42.9	113	7.3	19	58.3	101	28.9	20	19.8	
0	40	163	59.9	10	7.9	152	35.8	13	43.7	141	7.8	16	37.9	129	34.7	18	44.3	117	57.6	19	59.0	106	19.2	20	19.7	
1	0	168	50.4	10	11.2	157	26.2	13	46.4	145	58.2	16	40.0	134	25.1	18	45.7	122	47.9	19	59.6	111	9.5	20	19.6	
1	20	173	40.9	10	14.4	162	16.7	13	49.1	150	48.6	16	42.0	139	15.4	18	47.1	127	38.2	20	0.3	0.7	115	59.8	20	19.5
1	40	178	31.4	10	17.7	167	7.2	13	51.8	155	39.0	16	44.1	144	5.8	18	48.5	132	28.5	20	0.9	0.9	120	50.1	20	19.4
2	0	183	21.9	10	20.9	171	57.7	13	54.5	160	29.4	16	46.2	148	56.1	18	49.9	137	18.8	20	1.6	1.6	125	40.4	20	19.3
2	20	188	12.5	10	24.1	176	48.1	13	57.2	165	19.8	16	48.3	153	46.4	18	51.2	142	9.1	20	2.2	0.6	130	30.7	20	19.2
2	40	193	3.0	10	27.3	181	38.6	13	59.9	170	10.2	16	50.3	158	36.8	18	52.6	146	59.4	20	2.8	2.8	135	21.0	20	19.0
3	0	197	53.5	10	30.5	186	29.1	14	2.6	175	0.6	16	52.3	163	27.1	18	53.9	151	49.7	20	3.4	3.4	140	11.3	20	18.8
3	20	202	44.0	10	33.7	191	19.6	14	5.2	179	51.0	16	54.4	168	17.4	18	55.2	156	40.0	20	4.0	0.6	145	1.6	20	18.7
3	40	207	34.5	10	36.9	196	10.0	14	7.9	184	41.4	16	56.4	173	7.8	18	56.5	161	30.3	20	4.5	0.6	149	51.9	20	18.5
4	0	212	25.0	10	40.1	201	0.5	14	10.5	189	31.8	16	58.4	177	58.1	18	57.9	166	20.6	20	5.1	5.1	154	42.2	20	18.3
4	20	217	15.5	10	43.3	205	51.0	14	13.2	194	22.2	17	0.4	182	48.4	18	59.1	171	10.9	20	5.7	0.5	159	32.5	20	18.1
4	40	222	6.0	10	46.5	210	41.4	14	15.8	199	12.6	17	2.4	187	38.8	19	0.4	176	1.2	20	6.2	0.5	164	22.8	20	17.9
5	0	226	56.5	10	49.6	215	31.9	14	18.4	204	3.0	17	4.4	192	29.1	19	1.7	180	51.5	20	6.7	6.7	169	13.2	20	17.7
5	20	231	47.0	10	52.8	220	22.4	14	21.1	208	53.4	17	6.3	197	19.4	19	3.0	185	41.8	20	7.3	7.3	174	3.5	20	17.5
5	40	236	37.5	10	55.9	225	12.8	14	23.7	213	43.8	17	8.3	202	9.8	19	4.2	190	32.1	20	7.8	7.8	178	53.8	20	17.2
6	0	241	28.1	10	59.1	230	3.3	14	26.3	218	34.2	17	10.3	207	0.1	19	5.5	195	22.4	20	8.3	8.3	183	44.1	20	17.0
6	20	246	18.6	11	2.2	234	53.8	14	28.8	223	24.6	17	12.2	211	50.4	19	6.7	200	12.7	20	8.8	8.8	188	34.4	20	16.7
6	40	251	9.1	11	5.4	239	44.2	14	31.4	228	15.0	17	14.1	216	40.8	19	8.0	205	3.0	20	9.3	0.5	193	24.7	20	16.4
7	0	255	59.6	11	8.5	244	34.7	14	34.0	233	5.4	17	16.1	221	31.1	19	9.2	209	53.3	20	9.7	9.7	198	15.0	20	16.1
7	20	260	50.1	11	11.6	249	25.1	14	36.6	237	55.8	17	18.0	226	21.4	19	10.4	214	43.6	20	10.2	0.5	203	5.3	20	15.8
7	40	265	40.6	11	14.7	254	15.6	14	39.1	242	46.2	17	19.9	231	11.7	19	11.6	219	33.9	20	10.6	10.6	207	55.7	20	15.5
8	0	270	31.1	11	17.8	259	6.1	14	41.7	247	36.5	17	21.8	236	2.1	19	12.8	224	24.2	20	11.1	11.1	212	46.0	20	15.2
8	20	275	21.6	11	20.9	263	56.5	14	44.2	252	26.9	17	23.7	240	52.4	19	13.9	229	14.5	20	11.5	0.4	217	36.3	20	14.9
8	40	280	12.1	11	24.0	268	47.0	14	46.7	257	17.3	17	25.6	245	42.7	19	15.1	234	4.8	20	11.9	11.9	222	26.6	20	14.6
9	0	285	2.6	11	27.1	273	37.4	14	49.3	262	7.7	17	27.4	250	33.0	19	16.3	238	55.1	20	12.3	12.3	227	16.9	20	14.2
9	20	289	53.1	11	30.2	278	27.9	14	51.8	266	58.7	17	29.3	255	23.4	19	17.4	243	45.4	20	12.7	0.4	232	7.2	20	13.9
9	40	294	43.6	11	33.2	283	18.3	14	54.3	271	48.5	17	31.1	260	13.7	19	18.5	248	35.7	20	13.1	13.1	236	57.6	20	13.5
10	0	299	34.1	11	36.3	288	8.8	14	56.8	276	38.9	17	33.0	265	4.0	19	19.7	253	26.0	20	13.5	13.5	241	47.9	20	13.1
10	20	304	24.6	11	39.4	292	59.2	14	59.3	281	29.2	17	34.8	269	54.3	19	20.8	258	16.3	20	13.9	13.9	246	38.2	20	12.7
10	40	309	15.1	11	42.4	297	49.7	15	1.7	286	19.6	17	36.6	274	44.6	19	21.9	263	6.6	20	14.2	0.4	251	28.5	20	12.3
11	0	314	5.6	11	45.5	302	40.1	15	4.2	291	10.0	17	38.4	279	35.0	19	23.0	267	56.9	20	14.6	14.6	256	18.8	20	11.9
11	20	318	56.1	11	48.5	307	30.6	15	6.7	296	0.4	17	40.2	284	25.3	19	24.1	272	47.2	20	14.9	0.3	261	9.2	20	11.5
11	40	323	46.6	11	51.5	312	21.0	15	9.1	300	50.7	17	42.0	289	15.6	19	25.1	277	37.5	20	15.2	15.2	265	59.5	20	11.1
12	0	328	37.1	11	54.5	317	11.5	15	11.6	305	41.1	17	43.8	294	5.9	19	26.2	282	27.8	20	15.6	15.6	270	49.8	20	10.6
12	20	333	27.6	11	57.6	322	1.9	15	14.0	310	31.5	17	45.6	298	56.2	19	27.3	287	18.1	20	15.9	15.9	275	40.1	20	10.2
12	40	338	18.1	12	0.6	326	52.4	15	16.4	315	21.9	17	47.4	303	46.6	19	28.3	292	8.4	20	16.2	16.2	280	30.4	20	9.7
13	0	343	8.6	12	3.6	331	42.8	15	18.8	320	12.2	17	49.1	308	36.9	19	29.3	296	58.7	20	16.4	16.4	285	20.8	20	9.3
13	20	347	59.1	12	6.5	336	33.3	15	21.2	325	2.6	17	50.9	313	27.2	19	30.4	301	49.0	20	16.7	16.7	290	11.1	20	8.8
13	40	352	49.6	12	9.5	341	23.7	15	23.6	329	53.0	17	52.6	318	17.5	19	31.4	306	39.3	20	17.0	17.0	295	1.4	20	8.3
14	0	357	40.1	12	12.5	346	14.2	15	26.0	334	43.4	17	54.3	323	7.8	19	32.4	311	29.5	20	17.2	17.2	299	51.7	20	7.8
14	20	2	30.6	12	15.5	351	4.6	15	28.4	339	33.7	17	56.0	327	58.1	19	33.4	316	19.8	20	17.5	17.5	304	42.1	20	7.3
14	40	7	21.1	12	18.4	355	55.0	15	30.8	344	24.1	17	57.7	332	48.4	19	34.3	321	10.1	20	17.7	17.7	309	32.4	20	6.8
15	0	12	11.6	12	21.4	0	45.5	15	33.2	349	14.5	17	59.4	337	38.8	19	35.3	326	0.4	20	17.9	17.9	314	22.7	20	6.2
15	20	17	2.1	12	24.3	5	35.9	15	35.5	354	4.8	18	1.1	342	29.1	19	36.3	330	50.7	20	18.1	0.2	319	13.1	20	5.7
15	40	21	52.6	12	27.3	10	26.4	15	37.9	358	55.2	18	2.8	347	19.4	19	37.2	335	41.0	20	18.3	18.3	324	3.4	20	5.1
16	0	26	43.1	12	30.2	15	16.8	15	40.2	3	45.6	18	4.5	352	9.7	19	38.2	340	31.3	20	18.5	18.5	328	53.7	20	4.6
16	20	31	33.6	12	33.1	20	7.2	15	42.5	8	35.9	18	6.1	356	60.0	19	39.1	345	21.6	20	18.7	18.7	333	44.1	20	4.0
16	40	36	24.1	12	36.0	24	57.7	15	44.9	13	26.3	18	7.8	1	50.3	19	40.0	350	11.9	20	18.9	18.9	338	34.4	20	3.4
17	0	41	14.6	12	39.0	29	48.1	15	47.2	18	16.7	18	9.4	6	40.6	19	40.9	355	2.2	20	19.0	19.0	343	24.7	20	2.8
17	20	46	5.1	12	41.9	34	38.5	15	49.5	23	7.0	18	11.0	11	30.9	19	41.8	359	52.5	20	19.2	19.2	348	15.1	20	2.2

		20 Mar			21 Mar			22 Mar			23 Mar			24 Mar			25 Mar									
		GHA			GHA			GHA			GHA			GHA			GHA									
		Dec			Dec			Dec			Dec			Dec			Dec									
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>								
0	0	85	1.9	19	47.9	-0.8	73	30.1	18	23.1	62	4.4	16	8.3	50	44.2	13	8.0	39	26.4	9	28.1	28	5.7	5	16.6
20		89	52.3	19	47.1	-0.8	78	20.5	18	21.6	66	54.9	16	6.1	55	34.8	13	5.2	44	17.0	9	24.8	32	56.2	5	13.0
40		94	42.6	19	46.3	-0.8	83	10.9	18	20.0	71	45.4	16	3.9	60	25.3	13	2.4	49	7.5	9	21.5	37	46.7	5	9.3
1	0	99	33.0	19	45.4	-0.9	88	1.4	18	18.4	76	35.9	16	1.7	65	15.9	12	59.6	53	58.1	9	18.2	42	37.2	5	5.6
20		104	23.3	19	44.6	-0.9	92	51.8	18	16.9	81	26.5	15	59.4	70	6.5	12	56.7	58	48.7	9	14.9	47	27.7	5	1.9
40		109	13.7	19	43.7	-0.9	97	42.2	18	15.3	86	17.0	15	57.2	74	57.1	12	53.9	63	39.3	9	11.6	52	18.1	4	58.2
2	0	114	4.1	19	42.8	-0.9	102	32.7	18	13.7	91	7.5	15	54.9	79	47.7	12	51.1	68	29.9	9	8.3	57	8.6	4	54.5
20		118	54.4	19	42.0	-0.9	107	23.1	18	12.1	95	58.0	15	52.7	84	38.2	12	48.2	73	20.4	9	4.9	61	59.1	4	50.9
40		123	44.8	19	41.1	-0.9	112	13.6	18	10.5	100	48.6	15	50.4	89	28.8	12	45.4	78	11.0	9	1.6	66	49.6	4	47.2
3	0	128	35.1	19	40.2	-0.9	117	4.0	18	8.9	105	39.1	15	48.1	94	19.4	12	42.5	83	1.6	8	58.3	71	40.1	4	43.4
20		133	25.5	19	39.3	-0.9	121	54.4	18	7.3	110	29.6	15	45.9	99	10.0	12	39.7	87	52.2	8	54.9	76	30.5	4	39.7
40		138	15.9	19	38.3	-0.9	126	44.9	18	5.6	115	20.1	15	43.6	104	0.6	12	36.8	92	42.7	8	51.5	81	21.0	4	36.0
4	0	143	6.2	19	37.4	-1.0	131	35.3	18	4.0	120	10.7	15	41.3	108	51.2	12	33.9	97	33.3	8	48.2	86	11.5	4	32.3
20		147	56.6	19	36.5	-1.0	136	25.8	18	2.3	125	1.2	15	39.0	113	41.7	12	31.0	102	23.9	8	44.8	91	2.0	4	28.6
40		152	47.0	19	35.5	-1.0	141	16.2	18	0.7	129	51.7	15	36.6	118	32.3	12	28.1	107	14.5	8	41.4	95	52.4	4	24.9
5	0	157	37.3	19	34.5	-1.0	146	6.7	17	59.0	134	42.3	15	34.3	123	22.9	12	25.2	112	5.0	8	38.1	100	42.9	4	21.1
20		162	27.7	19	33.6	-1.0	150	57.1	17	57.3	139	32.8	15	32.0	128	13.5	12	22.3	116	55.6	8	34.7	105	33.4	4	17.4
40		167	18.1	19	32.6	-1.0	155	47.6	17	55.6	144	23.4	15	29.6	133	4.1	12	19.4	121	46.2	8	31.3	110	23.8	4	13.7
6	0	172	8.4	19	31.6	-1.0	160	38.0	17	53.9	149	13.9	15	27.3	137	54.7	12	16.5	126	36.7	8	27.9	115	14.3	4	9.9
20		176	58.8	19	30.6	-1.0	165	28.5	17	52.2	154	4.4	15	24.9	142	45.3	12	13.5	131	27.3	8	24.5	120	4.7	4	6.2
40		181	49.2	19	29.6	-1.0	170	19.0	17	50.5	158	55.0	15	22.6	147	35.8	12	10.6	136	17.9	8	21.1	124	55.2	4	2.5
7	0	186	39.5	19	28.5	-1.0	175	9.4	17	48.8	163	45.5	15	20.2	152	26.4	12	7.6	141	8.4	8	17.7	129	45.6	3	58.7
20		191	29.9	19	27.5	-1.0	179	59.9	17	47.0	168	36.0	15	17.8	157	17.0	12	4.7	145	59.0	8	14.2	134	36.1	3	55.0
40		196	20.3	19	26.5	-1.0	184	50.3	17	45.3	173	26.6	15	15.4	162	7.6	12	1.7	150	49.6	8	10.8	139	26.5	3	51.2
8	0	201	10.7	19	25.4	-1.1	189	40.8	17	43.5	178	17.1	15	13.0	166	58.2	11	58.7	155	40.1	8	7.4	144	17.0	3	47.4
20		206	1.0	19	24.3	-1.1	194	31.3	17	41.8	183	7.7	15	10.6	171	48.8	11	55.8	160	30.7	8	3.9	149	7.4	3	43.7
40		210	51.4	19	23.3	-1.1	199	21.7	17	40.0	187	58.2	15	8.2	176	39.4	11	52.8	165	21.3	8	0.5	153	57.9	3	39.1
9	0	215	41.8	19	22.2	-1.1	204	12.2	17	38.2	192	48.8	15	5.7	181	30.0	11	49.8	170	11.8	7	57.0	158	48.3	3	36.1
20		220	32.2	19	21.1	-1.1	209	2.7	17	36.4	197	39.3	15	3.3	186	20.5	11	46.8	175	2.4	7	53.6	163	38.7	3	32.4
40		225	22.6	19	20.0	-1.1	213	53.1	17	34.6	202	29.9	15	0.8	191	11.1	11	43.8	179	52.9	7	50.1	168	29.2	3	28.6
10	0	230	12.9	19	18.9	-1.1	218	43.6	17	32.8	207	20.4	14	58.4	196	1.7	11	40.8	184	43.5	7	46.7	173	19.6	3	24.8
20		235	3.3	19	17.7	-1.1	223	34.1	17	31.0	212	11.0	14	55.9	200	52.3	11	37.8	189	34.0	7	43.2	178	10.0	3	21.0
40		239	53.7	19	16.6	-1.1	228	24.5	17	29.1	217	1.5	14	53.5	205	42.9	11	34.7	194	24.6	7	39.7	183	0.4	3	17.2
11	0	244	44.1	19	15.5	-1.2	233	15.0	17	27.3	221	52.1	14	51.0	210	33.5	11	31.7	199	15.2	7	36.2	187	50.9	3	13.4
20		249	34.5	19	14.3	-1.2	238	5.5	17	25.4	226	42.6	14	48.5	215	24.1	11	28.7	204	5.7	7	32.8	192	41.3	3	9.7
40		254	24.9	19	13.1	-1.2	242	56.0	17	23.6	231	33.2	14	46.0	220	14.7	11	25.6	208	56.3	7	29.3	197	31.7	3	5.9
12	0	259	15.3	19	12.0	-1.2	247	46.4	17	21.7	236	23.7	14	43.5	225	5.3	11	22.6	213	46.8	7	25.8	202	22.1	3	2.1
20		264	5.7	19	10.8	-1.2	252	36.9	17	19.8	241	14.3	14	41.0	229	55.8	11	19.5	218	37.4	7	22.3	207	12.5	2	58.3
40		268	56.0	19	9.6	-1.2	257	27.4	17	17.9	246	4.8	14	38.5	234	46.4	11	16.4	223	27.9	7	18.8	212	2.9	2	54.5
13	0	273	46.4	19	8.4	-1.2	262	17.9	17	16.0	250	55.4	14	35.9	239	37.0	11	13.4	228	18.5	7	15.3	216	53.3	2	50.6
20		278	36.8	19	7.2	-1.2	267	8.3	17	14.1	255	45.9	14	33.4	244	27.6	11	10.3	233	9.0	7	11.7	221	43.7	2	46.8
40		283	27.2	19	5.9	-1.2	271	58.8	17	12.2	260	36.5	14	30.9	249	18.2	11	7.2	237	59.5	7	8.2	226	34.1	2	43.0
14	0	288	17.6	19	4.7	-1.3	276	49.3	17	10.3	265	27.1	14	28.3	254	8.8	11	4.1	242	50.1	7	4.7	231	24.5	2	39.2
20		293	8.0	19	3.5	-1.3	281	39.8	17	8.3	270	17.6	14	25.7	258	59.4	11	1.0	247	40.6	7	1.2	236	14.9	2	35.4
40		297	58.4	19	2.2	-1.3	286	30.3	17	6.4	275	8.2	14	23.2	263	50.0	10	57.9	252	31.2	6	57.6	241	5.3	2	31.6
15	0	302	48.8	19	0.9	-1.3	291	20.8	17	4.5	279	58.7	14	20.6	268	40.6	10	54.8	257	21.7	6	54.1	245	55.7	2	27.7
20		307	39.2	18	59.7	-1.3	296	11.3	17	2.5	284	49.3	14	18.0	273	31.1	10	51.6	262	12.2	6	50.5	250	46.1	2	23.9
40		312	29.6	18	58.4	-1.3	301	1.8	17	0.5	289	39.9	14	15.4	278	21.7	10	48.5	267	2.8	6	47.0	255	36.5	2	20.1
16	0	317	20.0	18	57.1	-1.3	305	52.2	16	58.5	294	30.4	14	12.8	283	12.3	10	45.4	271	53.3	6	43.4	260	26.9	2	16.2
20		322	10.4	18	55.8	-1.3	310	42.7	16	56.5	299	21.0	14	10.2	288	2.9	10	42.2	276	43.9	6	39.9	265	17.2	2	12.4
40		327	0.8	18	54.5	-1.3	315	33.2	16	54.5	304	11.6	14	7.6	292	53.5	10	39.1	281	34.4	6	36.3	270	7.6	2	8.6
17	0	331	51.2	18	53.2	-1.4	320	23.7	16	52.5	309	2.1	14	5.0	297	44.1	10	35.9	286	24.9	6	32.7	274	58.0	2	4.7
20		336	41.6	18	51.8	-1.4	325	14.2	16	50.5	313	52.7	14	2.3	302	34.7	10	32.8	291	15.4	6	29.1	279	48.4	2	0.9
40		341	32.1	18	50.5	-1.4	330	4.7	16	48.5	318	43.3	13	59.7	307	25.3										

		26 Mar			27 Mar			28 Mar			29 Mar			30 Mar			31 Mar														
		GHA			GHA			GHA			GHA			GHA			GHA														
		Dec			Dec			Dec			Dec			Dec			Dec														
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>													
0	0	16	35.0	0	43.5	-3.9	4	46.3	-3	58.5	-3.9	352	31.4	-8	34.3	-3.7	339	44.0	-12	46.2	-3.3	326	21.8	-16	16.0	-2.5	312	29.0	-18	46.6	-1.6
	20	21	25.3	0	39.6	-3.9	9	36.3	-4	2.4	-3.9	357	20.9	-8	38.0	-3.7	344	33.1	-12	49.5	-3.3	331	10.5	-16	18.6	-2.5	317	17.3	-18	48.2	-1.6
	40	26	15.6	0	35.8	-3.9	14	26.3	-4	6.4	-3.9	2	10.5	-8	41.7	-3.7	349	22.2	-12	52.7	-3.3	335	59.1	-16	21.1	-2.5	322	5.5	-18	49.8	-1.6
1	0	31	5.9	0	31.9	-3.9	19	16.2	-4	10.3	-3.9	7	0.1	-8	45.4	-3.7	354	11.2	-12	56.0	-3.3	340	47.7	-16	23.6	-2.5	326	53.8	-18	51.4	-1.5
	20	35	56.2	0	28.0	-3.9	24	6.2	-4	14.2	-3.9	11	49.6	-8	49.1	-3.7	359	0.3	-12	59.2	-3.2	345	36.3	-16	26.1	-2.5	331	42.0	-18	52.9	-1.5
	40	40	46.5	0	24.1	-3.9	28	56.2	-4	18.1	-3.9	16	39.2	-8	52.8	-3.7	3	49.4	-13	2.4	-3.2	350	24.9	-16	28.6	-2.5	336	30.3	-18	54.5	-1.5
2	0	45	36.8	0	20.2	-3.9	33	46.1	-4	22.0	-3.9	21	28.7	-8	56.4	-3.7	8	38.4	-13	5.6	-3.2	355	13.5	-16	31.0	-2.5	341	18.5	-18	56.0	-1.5
	20	50	27.1	0	16.3	-3.9	38	36.1	-4	25.9	-3.9	26	18.3	-9	0.1	-3.7	13	27.5	-13	8.8	-3.2	0	2.1	-16	33.5	-2.5	346	6.8	-18	57.5	-1.5
	40	55	17.3	0	12.4	-3.9	43	26.1	-4	29.8	-3.9	31	7.8	-9	3.8	-3.7	18	16.6	-13	12.0	-3.2	4	50.7	-16	36.0	-2.5	350	55.0	-18	59.0	-1.5
3	0	60	7.6	0	8.5	-3.9	48	16.0	-4	33.7	-3.9	35	57.3	-9	7.5	-3.6	23	5.6	-13	15.1	-3.2	9	39.3	-16	38.4	-2.4	355	43.2	-19	0.5	-1.5
	20	64	57.9	0	4.6	-3.9	53	6.0	-4	37.6	-3.9	40	46.8	-9	11.1	-3.6	27	54.6	-13	18.3	-3.2	14	27.8	-16	40.8	-2.4	0	31.5	-19	2.0	-1.5
	40	69	48.1	0	0.7	-3.9	57	55.9	-4	41.5	-3.9	45	36.3	-9	14.8	-3.6	32	43.7	-13	21.5	-3.2	19	16.4	-16	43.2	-2.4	5	19.7	-19	3.5	-1.5
4	0	74	38.4	-0	3.2	-3.9	62	45.8	-4	45.4	-3.9	50	25.8	-9	18.4	-3.7	37	32.7	-13	24.6	-3.1	24	5.0	-16	45.6	-2.4	10	7.9	-19	4.9	-1.4
	20	79	28.7	-0	7.1	-3.9	67	35.7	-4	49.3	-3.9	55	15.3	-9	22.1	-3.7	42	21.7	-13	27.8	-3.1	28	53.5	-16	48.0	-2.4	14	56.1	-19	6.4	-1.4
	40	84	18.9	-0	11.1	-3.9	72	25.7	-4	53.2	-3.9	60	4.8	-9	25.7	-3.7	47	10.7	-13	30.9	-3.1	33	42.1	-16	50.4	-2.4	19	44.3	-19	7.8	-1.4
5	0	89	9.2	-0	15.0	-3.9	77	15.6	-4	57.1	-3.9	64	54.3	-9	29.4	-3.6	51	59.7	-13	34.0	-3.1	38	30.6	-16	52.8	-2.3	24	32.5	-19	9.2	-1.4
	20	93	59.4	-0	18.9	-3.9	82	5.5	-5	0.9	-3.9	69	43.8	-9	33.0	-3.6	56	48.7	-13	37.1	-3.1	43	19.1	-16	55.1	-2.3	29	20.8	-19	10.6	-1.4
	40	98	49.6	-0	22.8	-3.9	86	55.1	-5	4.8	-3.9	74	33.3	-9	36.6	-3.6	61	37.7	-13	40.3	-3.1	48	7.7	-16	57.5	-2.3	34	9.0	-19	12.0	-1.4
6	0	103	39.9	-0	26.7	-3.9	91	45.3	-5	8.7	-3.9	79	22.7	-9	40.2	-3.6	66	26.7	-13	43.4	-3.1	52	56.2	-16	59.8	-2.3	38	57.2	-19	13.3	-1.3
	20	108	30.1	-0	30.6	-3.9	96	35.2	-5	12.6	-3.9	84	12.2	-9	43.8	-3.6	71	15.6	-13	46.4	-3.1	57	44.7	-17	2.1	-2.3	43	45.4	-19	14.7	-1.3
	40	113	20.3	-0	34.5	-3.9	101	25.1	-5	16.5	-3.9	89	1.6	-9	47.8	-3.6	76	4.6	-13	49.5	-3.1	62	33.2	-17	4.4	-2.3	48	33.6	-19	16.0	-1.3
7	0	118	10.6	-0	38.4	-3.9	106	15.0	-5	20.4	-3.9	93	51.1	-9	51.0	-3.6	80	53.6	-13	52.6	-3.1	67	21.7	-17	6.7	-2.3	53	21.8	-19	17.3	-1.3
	20	123	0.8	-0	42.4	-3.9	111	4.8	-5	24.2	-3.9	98	40.5	-9	54.6	-3.6	85	42.5	-13	55.7	-3.1	72	10.2	-17	9.0	-2.3	58	9.9	-19	18.6	-1.3
	40	127	51.0	-0	46.3	-3.9	115	54.7	-5	28.1	-3.9	103	30.0	-9	58.2	-3.6	90	31.5	-13	58.7	-3.1	76	58.7	-17	11.3	-2.3	62	58.1	-19	19.9	-1.3
8	0	132	41.2	-0	50.2	-3.9	120	44.6	-5	32.0	-3.9	108	19.4	-10	1.8	-3.6	95	20.4	-14	1.8	-3.0	81	47.2	-17	13.5	-2.2	67	46.3	-19	21.2	-1.3
	20	137	31.4	-0	54.1	-3.9	125	34.4	-5	35.9	-3.9	113	8.8	-10	5.4	-3.6	100	9.3	-14	4.8	-3.0	86	35.7	-17	15.8	-2.2	72	34.5	-19	22.5	-1.3
	40	142	21.6	-0	58.0	-3.9	130	24.3	-5	39.7	-3.9	117	58.2	-10	9.0	-3.6	104	58.3	-14	7.8	-3.0	91	24.2	-17	18.0	-2.2	77	22.7	-19	23.7	-1.3
9	0	147	11.8	-1	2.0	-3.9	135	14.2	-5	43.6	-3.9	122	47.6	-10	12.5	-3.6	109	47.2	-14	10.8	-3.0	96	12.7	-17	20.2	-2.2	82	10.9	-19	25.0	-1.2
	20	152	2.0	-1	5.9	-3.9	140	4.0	-5	47.4	-3.9	127	37.0	-10	16.1	-3.6	114	36.1	-14	13.8	-3.0	101	1.2	-17	22.4	-2.2	86	59.0	-19	26.2	-1.2
	40	156	52.2	-1	9.8	-3.9	144	53.8	-5	51.3	-3.9	132	26.4	-10	19.7	-3.6	119	25.0	-14	16.8	-3.0	105	49.6	-17	24.6	-2.2	91	47.2	-19	27.4	-1.2
10	0	161	42.4	-1	13.7	-3.9	149	43.7	-5	55.2	-3.9	137	15.8	-10	23.2	-3.5	124	13.9	-14	19.8	-3.0	110	38.1	-17	26.8	-2.2	96	35.4	-19	28.6	-1.1
	20	166	32.6	-1	17.6	-3.9	154	33.5	-5	59.0	-3.9	142	5.2	-10	26.8	-3.5	129	2.8	-14	22.8	-3.0	115	26.5	-17	29.0	-2.2	101	23.5	-19	29.7	-1.1
	40	171	22.8	-1	21.6	-3.9	159	23.3	-6	2.9	-3.8	146	54.6	-10	30.3	-3.5	133	51.7	-14	25.8	-3.0	120	15.0	-17	31.1	-2.2	106	11.7	-19	30.9	-1.1
11	0	176	13.0	-1	25.5	-3.9	164	13.1	-6	6.7	-3.9	151	43.9	-10	33.8	-3.5	138	40.6	-14	28.7	-2.9	125	3.4	-17	33.3	-2.1	110	59.9	-19	32.0	-1.1
	20	181	3.1	-1	29.4	-3.9	169	3.0	-6	10.6	-3.9	156	33.3	-10	37.4	-3.5	143	29.4	-14	31.7	-2.9	129	51.9	-17	35.4	-2.1	115	48.0	-19	33.2	-1.1
	40	185	53.3	-1	33.3	-3.9	173	52.8	-6	14.4	-3.9	161	22.6	-10	40.9	-3.5	148	18.3	-14	34.6	-2.9	134	40.3	-17	37.5	-2.1	120	36.2	-19	34.3	-1.1
12	0	190	43.5	-1	37.3	-3.9	178	42.6	-6	18.3	-3.8	166	12.0	-10	44.4	-3.5	153	7.2	-14	37.5	-2.9	139	28.7	-17	39.6	-2.1	125	24.3	-19	35.4	-1.1
	20	195	33.6	-1	41.2	-3.9	183	32.4	-6	22.1	-3.8	171	1.3	-10	47.9	-3.5	157	56.0	-14	40.5	-2.9	144	17.1	-17	41.7	-2.1	130	12.5	-19	36.5	-1.1
	40	200	23.8	-1	45.1	-3.9	188	22.1	-6	25.9	-3.8	175	50.7	-10	51.4	-3.5	162	44.9	-14	43.4	-2.9	149	5.6	-17	43.8	-2.1	135	0.6	-19	37.5	-1.1
13	0	205	13.9	-1	49.1	-3.9	193	11.9	-6	29.8	-3.8	180	40.0	-10	54.9	-3.5	167	33.7	-14	46.3	-2.9	153	54.0	-17	45.9	-2.0	139	48.8	-19	38.6	-1.0
	20	210	4.1	-1	53.0	-3.9	198	1.7	-6	33.6	-3.8	185	29.3	-10	58.4	-3.5	172	22.5	-14	49.2	-2.9	158	42.4	-17	47.9	-2.0	144	36.9	-19	39.6	-1.0
	40	214	54.2	-1	56.9	-3.9	202	51.5	-6	37.4	-3.8	190	18.6	-10	1.9	-3.5	177	11.4	-14	52.0	-2.9	163	30.8	-17	50.0	-2.0	149	25.1	-19	40.7	-1.0
14	0	219	44.3	-2	0.8	-3.9	207	41.2	-6	41.2	-3.8	195	7.9	-11	5.3	-3.5	182	0.2	-14	54.9	-2.8	168	19.2	-17	52.0	-2.0	154	13.2	-19	41.7	-1.0
	20	224	34.5	-2	4.8	-3.9	212	31.0	-6	45.1	-3.8	199	57.2	-11	8.8	-3.5	186	49.0	-14	57.8	-2.8	173	7.6	-17	54.0	-2.0	159	1.3	-19	42.7	-1.0
	40	229	24.6	-2	8.7	-3.9	217	20.7	-6	48.9	-3.8	204	46.5	-11	12.3	-3.5	191	37.8	-15	0.6	-2.8	177	56.0	-17	56.0	-2.0	163	49.5	-19	43.7	-1.0
15	0	234	14.7	-2	12.6	-3.9	222	10.5	-6	52.7	-3.8	209	35.8	-11	15.7	-3.4	196	26.6	-15	3.4	-2.8	182	44.4	-17							

h m	1 Apr					2 Apr					3 Apr					4 Apr					5 Apr					6 Apr					
	GHA	d	o	Dec	d'	GHA	d	o	Dec	d'	GHA	d	o	Dec	d'	GHA	d	o	Dec	d'	GHA	d	o	Dec	d'	GHA	d	o	Dec	d'	
0 0	298	16.7	-20	5.0		284	1.7	-20	5.2		270	1.7	-18	48.6		256	30.1	-16	23.8		243	33.4	-13	3.8		231	11.1	-9	3.8		
20	303	4.8	-20	5.6		288	49.9	-20	4.6	0.6	274	50.2	-18	47.0	1.6	261	19.1	-16	21.4	2.4	248	22.9	-13	0.7	3.1	236	1.0	-9	0.3	3.5	
40	307	52.9	288.1	-20	6.1	-0.5	293	38.1	-20	4.1	0.6	279	38.7	-18	45.4	1.6	266	8.0	-16	18.9	2.4	253	12.4	-12	57.6	3.1	240	50.9	-8	56.7	3.5
1 0	312	41.0	-20	6.6		298	26.3	-20	3.5		284	27.2	-18	43.8		270	57.0	-16	16.5		258	1.8	-12	54.5		245	40.8	-8	53.2		
20	317	29.1	288.1	-20	7.1	-0.5	303	14.5	-20	2.9	0.6	289	15.7	-18	42.2	1.6	275	46.0	-16	14.0	2.5	262	51.3	-12	51.4	3.1	250	30.8	-8	49.6	3.6
40	322	17.2	-20	7.6		308	2.7	-20	2.3	0.6	294	4.3	-18	40.6	1.6	280	35.0	-16	11.5	2.5	267	40.8	-12	48.2	3.1	255	20.7	-8	46.0	3.6	
2 0	327	5.3	-20	8.1		312	50.9	-20	1.6		298	52.8	-18	39.0		285	24.0	-16	9.0		272	30.3	-12	45.1		260	10.6	-8	42.5		
20	331	53.4	288.1	-20	8.5	-0.4	317	39.1	-20	1.0	0.6	303	41.3	-18	37.3	1.7	290	13.0	-16	6.5	2.5	277	19.8	-12	42.0	3.1	265	0.6	-8	38.9	3.6
40	336	41.5	-20	9.0		322	27.3	-20	0.4	0.4	308	29.9	-18	35.7	1.7	295	2.0	-16	4.0	2.5	282	9.3	-12	38.8	3.1	269	50.5	-8	35.3	3.6	
3 0	341	29.6	-20	9.4		327	15.5	-19	59.7		313	18.4	-18	34.0		299	51.0	-16	1.5		286	58.8	-12	35.7		274	40.5	-8	31.8		
20	346	17.7	288.1	-20	9.8	-0.4	332	3.8	-19	59.0	0.7	318	7.0	-18	32.3	1.7	304	40.1	-15	59.0	2.5	291	48.4	-12	32.5	3.2	279	30.4	-8	28.2	3.6
40	351	5.8	-20	10.2		336	52.0	-19	58.3	0.7	322	55.6	-18	30.6	1.7	309	29.1	-15	56.4	2.5	296	37.9	-12	29.3	3.2	284	20.4	-8	24.6	3.6	
4 0	355	53.9	-20	10.5		341	40.2	-19	57.6		327	44.1	-18	28.9		314	18.2	-15	53.9		301	27.4	-12	26.2		289	10.4	-8	21.0		
20	0	42.0	288.1	-20	10.9	-0.4	346	28.4	-19	56.9	0.7	332	32.7	-18	27.2	1.7	319	7.2	-15	51.3	2.6	306	17.0	-12	23.0	3.2	294	0.4	-8	17.4	3.6
40	5	30.1	-20	11.3		351	16.7	-19	56.1	0.7	337	21.3	-18	25.4	1.7	323	56.3	-15	48.8	2.6	311	6.5	-12	19.8	3.2	298	50.3	-8	13.8	3.6	
5 0	10	18.2	-20	11.6		356	4.9	-19	55.4		342	9.9	-18	23.7		328	45.3	-15	46.2		315	56.1	-12	16.6		303	40.3	-8	10.2		
20	15	6.3	288.1	-20	11.9	-0.3	0	53.2	-19	54.6	0.8	346	58.5	-18	21.9	1.8	333	34.4	-15	43.6	2.6	320	45.6	-12	13.4	3.2	308	30.3	-8	6.6	3.6
40	19	54.4	-20	12.2		5	41.4	-19	53.8	0.8	5	41.4	-19	53.8	0.8	338	23.5	-15	41.0	2.6	325	35.2	-12	10.2	3.2	313	20.3	-8	3.0	3.6	
6 0	24	42.5	-20	12.5		10	29.7	-19	53.0		356	35.7	-18	18.3		343	12.6	-15	38.4		330	24.8	-12	6.9		318	10.3	-7	59.4		
20	29	30.6	288.1	-20	13.0	-0.2	15	17.9	-19	52.2	0.8	1	24.3	-18	16.5	1.8	348	1.7	-15	35.8	2.6	335	14.4	-12	3.7	3.2	323	0.3	-7	55.7	3.6
40	34	18.7	-20	13.7		20	6.2	-19	51.3	0.8	6	13.0	-18	14.7	1.8	352	50.8	-15	33.1	2.6	340	3.9	-12	0.5	3.2	327	50.3	-7	52.1	3.6	
7 0	39	6.8	-20	13.2		24	54.4	-19	50.5		11	1.6	-18	12.9		357	39.9	-15	30.5		344	53.5	-11	57.2		332	40.3	-7	48.5		
20	43	54.9	288.1	-20	13.5	-0.2	29	42.7	-19	49.6	0.9	15	50.2	-18	11.1	1.9	2	29.0	-15	27.9	2.7	349	43.1	-11	54.0	3.2	337	30.4	-7	44.9	3.6
40	48	43.0	-20	13.7		34	31.0	-19	48.8	0.9	20	38.8	-18	9.2	1.9	7	18.1	-15	25.2	2.7	354	32.7	-11	50.7	3.2	342	20.4	-7	41.2	3.6	
8 0	53	31.1	-20	13.9		39	19.2	-19	47.9		25	27.5	-18	7.3		12	7.2	-15	22.5		359	22.4	-11	47.5		347	10.4	-7	37.6		
20	58	19.2	288.1	-20	14.0	-0.1	44	7.5	-19	47.0	0.9	30	16.1	-18	5.5	1.9	16	56.4	-15	19.9	2.7	4	12.0	-11	44.2	3.3	352	0.5	-7	34.0	3.6
40	63	7.3	-20	14.2		48	55.8	-19	46.1	0.9	35	4.8	-18	3.6	1.9	21	45.5	-15	17.2	2.7	9	1.6	-11	40.9	3.3	356	50.5	-7	30.3	3.6	
9 0	67	55.4	-20	14.3		53	44.1	-19	45.1		39	53.5	-18	1.7		26	34.6	-15	14.5		13	51.2	-11	37.7		1	40.6	-7	26.7		
20	72	43.5	288.1	-20	14.5	-0.1	58	32.4	-19	44.2	1.0	44	42.1	-17	59.7	1.9	31	23.8	-15	11.8	2.7	18	40.9	-11	34.4	3.3	6	30.6	-7	23.0	3.7
40	77	31.6	-20	14.6		63	20.7	-19	43.2	1.0	49	30.8	-17	57.8	1.9	36	13.0	-15	9.0	2.7	23	30.5	-11	31.1	3.3	11	20.7	-7	19.3	3.7	
10 0	82	19.7	-20	14.7		68	8.9	-19	42.2		54	19.5	-17	55.9		41	2.1	-15	6.3		28	20.2	-11	27.8		16	10.7	-7	15.7		
20	87	7.8	288.1	-20	14.8	-0.1	72	57.3	-19	41.2	1.0	59	8.2	-17	53.9	2.0	45	51.3	-15	3.6	2.7	33	9.8	-11	24.5	3.3	21	0.8	-7	12.0	3.7
40	91	56.0	-20	14.8		77	45.6	-19	40.2	1.0	63	56.9	-17	52.0	2.0	50	40.5	-15	0.8	2.7	37	59.5	-11	21.1	3.3	25	50.9	-7	8.3	3.7	
11 0	96	44.1	-20	14.9		82	33.9	-19	39.2		68	45.6	-17	50.0		55	29.7	-14	58.1		42	49.2	-11	17.8		30	40.9	-7	4.7		
20	101	32.2	288.1	-20	14.9	0.0	87	22.2	-19	38.2	1.0	73	34.3	-17	48.0	2.0	60	18.9	-14	55.3	2.8	47	38.9	-11	14.5	3.3	35	31.0	-7	1.0	3.7
40	106	20.3	-20	15.0		92	10.5	-19	37.1	1.0	78	23.0	-17	46.0	2.0	65	8.1	-14	52.5	2.8	52	28.5	-11	11.2	3.3	40	21.1	-6	57.3	3.7	
12 0	111	8.4	-20	15.0		96	58.8	-19	36.1		83	11.7	-17	44.0		69	57.3	-14	49.8		57	18.2	-11	7.8		45	11.2	-6	53.6		
20	115	56.5	288.1	-20	15.0	0.0	101	47.1	-19	35.0	1.1	88	0.5	-17	42.0	2.0	74	46.5	-14	47.0	2.8	62	7.9	-11	4.5	3.3	50	1.3	-6	50.0	3.7
40	120	44.6	-20	14.9		106	35.5	-19	33.9	1.1	92	49.2	-17	39.9	2.0	79	35.7	-14	44.2	2.8	66	57.6	-11	1.1	3.3	54	51.4	-6	46.3	3.7	
13 0	125	32.7	-20	14.9		111	23.8	-19	32.8		97	37.9	-17	37.9		84	25.0	-14	41.4		71	47.3	-10	57.8		59	41.5	-6	42.6		
20	130	20.9	288.1	-20	14.8	0.1	116	12.2	-19	31.7	1.1	102	26.7	-17	35.8	2.1	89	14.2	-14	38.5	2.8	76	37.1	-10	54.4	3.4	64	31.6	-6	38.9	3.7
40	135	9.0	-20	14.8		121	0.5	-19	30.6	1.1	107	15.4	-17	33.7	2.1	94	3.4	-14	35.7	2.8	81	26.8	-10	51.0	3.4	69	21.9	-6	35.2	3.7	
14 0	139	57.1	-20	14.7		125	48.8	-19	29.4		112	4.2	-17	31.7		98	52.7	-14	32.9		86	16.5	-10	47.7		74	11.7	-6	31.5		
20	144	45.2	288.1	-20	14.6	0.1	130	37.2	-19	28.3	1.2	116	53.0	-17	29.6	2.1	103	41.9	-14	30.0	2.9	91	6.2	-10	44.3	3.4	79	2.0	-6	27.8	3.7
40	149	33.4	-20	14.5		135	25.6	-19	27.1	1.2	121	41.7	-17	27.4	2.1	108	31.2	-14	27.2	2.9	95	56.0	-10	40.9	3.4	83	52.1	-6	24.1	3.7	
15 0	154	21.5	-20	14.4		140	13.9	-19	25.9		126	30.5	-17	25.3		113	20.5	-14	24.3		100	45.7	-10	37.5		88	42.2	-6	20.4		
20	159	9.6	288.1	-20	14.2	0.2	145	2.3	-19	24.7	1.2	131	19.3	-17	23.2	2.1	118	9.8	-14	21.4	2.9	105	35.5	-10	34.1	3.4	93	32.4	-6	16.7	3.7
40	163	57.7	-20	14.1		149	50.7	-19	23.5	1.2	136	8.1	-17	21.1	2.1	122	59.0	-14	18.6	2.9	110	25.2	-10	30.7	3.4	98	22.5	-6	12.9	3.7	
16 0	168	45.9	-20	13.9		154	39.0																								

		7 Apr				8 Apr				9 Apr				10 Apr				11 Apr				12 Apr			
		GHA				GHA				GHA				GHA				GHA				GHA			
		Dec				Dec				Dec				Dec				Dec				Dec			
h	m	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'
0	0	219	17.5	-4	39.2	207	44.5	-0	4.9	196	23.2	4	25.3	185	5.5	8	39.1	173	45.1	12	25.1	162	18.4	15	33.7
	20	224	7.8	-4	35.5	212	35.0	-0	1.1	201	13.8	4	29.0	189	56.0	8	42.4	178	35.6	12	28.0	167	8.8	15	36.0
	40	228	58.0	-4	31.7	217	25.5	0	2.7	206	4.3	4	32.7	194	46.6	8	45.8	183	26.1	12	30.8	171	59.2	15	38.3
1	0	233	48.3	-4	27.9	222	15.9	0	6.5	210	54.9	4	36.3	199	37.2	8	49.1	188	16.6	12	33.7	176	49.6	15	40.6
	20	238	38.6	-4	24.1	227	6.4	0	10.3	215	45.5	4	40.0	204	27.8	8	52.5	193	7.2	12	36.6	181	40.0	15	42.9
	40	243	28.8	-4	20.3	231	56.9	0	14.1	220	36.1	4	43.6	209	18.4	8	55.8	197	57.7	12	39.5	186	30.4	15	45.2
2	0	248	19.1	-4	16.6	236	47.4	0	17.9	225	26.7	4	47.3	214	8.9	8	59.1	202	48.2	12	42.3	191	20.8	15	47.5
	20	253	9.4	-4	12.8	241	37.9	0	21.7	230	17.2	4	50.9	218	59.5	9	2.4	207	38.7	12	45.2	196	11.2	15	49.7
	40	257	59.7	-4	9.0	246	28.4	0	25.5	235	7.8	4	54.6	223	50.1	9	5.7	212	29.2	12	48.0	201	1.6	15	52.0
3	0	262	50.0	-4	5.2	251	18.9	0	29.3	239	58.4	4	58.2	228	40.7	9	9.1	217	19.7	12	50.9	205	52.0	15	54.2
	20	267	40.3	-4	1.4	256	9.4	0	33.1	244	49.0	5	1.8	233	31.2	9	12.4	222	10.2	12	53.7	210	42.4	15	56.5
	40	272	30.5	-3	57.6	260	59.9	0	36.9	249	39.6	5	5.5	238	21.8	9	15.7	227	0.7	12	56.5	215	32.8	15	58.7
4	0	277	20.8	-3	53.8	265	50.4	0	40.7	254	30.2	5	9.1	243	12.4	9	18.9	231	51.2	12	59.3	220	23.2	16	0.9
	20	282	11.1	-3	50.0	270	40.9	0	44.5	259	20.7	5	12.7	248	3.0	9	22.2	236	41.7	13	2.1	225	13.6	16	3.1
	40	287	1.4	-3	46.2	275	31.4	0	48.3	264	11.3	5	16.3	252	53.5	9	25.5	241	32.2	13	4.9	230	4.0	16	5.4
5	0	291	51.8	-3	42.4	280	21.9	0	52.1	269	1.9	5	20.0	257	44.1	9	28.8	246	22.6	13	7.7	234	54.4	16	7.5
	20	296	42.1	-3	38.6	285	12.4	0	55.9	273	52.5	5	23.6	262	34.7	9	32.1	251	13.1	13	10.5	239	44.8	16	9.7
	40	301	32.4	-3	34.8	290	2.9	0	59.7	278	43.1	5	27.2	267	25.2	9	35.3	256	3.6	13	13.3	244	35.1	16	11.9
6	0	306	22.7	-3	31.0	294	53.4	1	3.5	283	33.7	5	30.8	272	15.8	9	38.6	260	54.1	13	16.1	249	25.5	16	14.1
	20	311	13.0	-3	27.2	299	43.9	1	7.3	288	24.3	5	34.4	277	6.4	9	41.8	265	44.6	13	18.8	254	15.9	16	16.2
	40	316	3.3	-3	23.4	304	34.4	1	11.1	293	14.9	5	38.0	281	56.9	9	45.1	270	35.1	13	21.6	259	6.3	16	18.4
7	0	320	53.7	-3	19.6	309	25.0	1	14.9	298	5.5	5	41.6	286	47.5	9	48.3	275	25.6	13	24.3	263	56.7	16	20.5
	20	325	44.0	-3	15.8	314	15.5	1	18.7	302	56.0	5	45.2	291	38.1	9	51.5	280	16.1	13	27.1	268	47.1	16	22.7
	40	330	34.3	-3	12.0	319	6.0	1	22.5	307	46.6	5	48.8	296	28.6	9	54.8	285	6.5	13	29.8	273	37.4	16	24.8
8	0	335	24.7	-3	8.2	323	56.5	1	26.2	312	37.2	5	52.3	301	19.2	9	58.0	289	57.0	13	32.5	278	27.8	16	26.9
	20	340	15.0	-3	4.4	328	47.0	1	30.0	317	27.8	5	55.9	306	9.8	10	1.2	294	47.5	13	35.2	283	18.2	16	29.0
	40	345	5.4	-3	0.6	333	37.6	1	33.8	322	18.4	5	59.5	311	0.3	10	4.4	299	38.0	13	37.9	288	8.6	16	31.1
9	0	349	55.7	-2	56.8	338	28.1	1	37.6	327	9.0	6	3.1	315	50.9	10	7.6	304	28.4	13	40.6	292	58.9	16	33.2
	20	354	46.1	-2	53.0	343	18.6	1	41.4	331	59.6	6	6.6	320	41.5	10	10.8	309	18.9	13	43.3	297	49.3	16	35.2
	40	359	36.4	-2	49.1	348	9.2	1	45.1	336	50.2	6	10.2	325	32.0	10	14.0	314	9.4	13	46.0	302	39.7	16	37.3
10	0	4	26.8	-2	45.3	352	59.7	1	48.9	341	40.8	6	13.8	330	22.6	10	17.2	318	59.9	13	48.7	307	30.0	16	39.4
	20	9	17.2	-2	41.5	357	50.2	1	52.7	346	31.3	6	17.3	335	13.1	10	20.4	323	50.3	13	51.4	312	20.4	16	41.4
	40	14	7.5	-2	37.7	362	40.8	1	56.5	351	21.9	6	20.9	340	3.7	10	23.5	328	40.8	13	54.0	317	10.8	16	43.5
11	0	18	57.9	-2	33.9	7	31.3	2	0.2	356	12.5	6	24.4	344	54.3	10	26.7	333	31.3	13	56.7	322	1.1	16	45.5
	20	23	48.3	-2	30.1	12	21.8	2	4.0	361	1.1	6	27.9	349	44.8	10	29.9	338	21.7	13	59.3	326	51.5	16	47.5
	40	28	38.6	-2	26.2	17	12.4	2	7.8	366	53.7	6	31.5	354	35.4	10	33.0	343	12.2	14	1.9	331	41.9	16	49.5
12	0	33	29.0	-2	22.4	22	2.9	2	11.5	371	44.3	6	35.0	359	25.9	10	36.2	348	2.7	14	4.6	336	32.2	16	51.5
	20	38	19.4	-2	18.6	26	53.5	2	15.3	376	34.9	6	38.5	364	16.5	10	39.3	352	53.1	14	7.2	341	22.6	16	53.5
	40	43	9.8	-2	14.8	31	44.0	2	19.0	381	20.5	6	42.1	369	7.0	10	42.5	357	43.6	14	9.8	346	13.0	16	55.5
13	0	48	0.2	-2	11.0	36	34.5	2	22.8	386	16.1	6	45.6	374	57.6	10	45.6	362	34.1	14	12.4	351	3.3	16	57.5
	20	52	50.6	-2	7.2	41	25.1	2	26.5	391	6.7	6	49.1	379	48.1	10	48.7	367	24.5	14	15.0	355	53.7	16	59.4
	40	57	40.9	-2	3.3	46	15.6	2	30.3	396	57.3	6	52.6	384	38.7	10	51.8	372	15.0	14	17.6	360	44.0	17	1.4
14	0	62	31.3	-1	59.5	51	6.2	2	34.0	399	47.8	6	56.1	388	29.2	10	54.9	376	5.4	14	20.2	364	34.4	17	3.3
	20	67	21.7	-1	55.7	55	56.7	2	37.8	404	38.4	6	59.6	393	19.8	10	58.0	381	55.9	14	22.7	369	24.7	17	5.3
	40	72	12.1	-1	51.9	60	47.3	2	41.5	409	29.0	7	3.1	398	10.3	11	1.1	386	46.3	14	25.3	374	15.1	17	7.2
15	0	77	2.6	-1	48.1	65	37.8	2	45.3	414	19.6	7	6.6	403	0.8	11	4.2	391	36.8	14	27.9	378	20.5	17	9.1
	20	81	53.0	-1	44.2	70	28.4	2	49.0	419	10.2	7	10.1	408	51.4	11	7.3	396	27.2	14	30.4	383	55.8	17	11.0
	40	86	43.4	-1	40.4	75	19.0	2	52.8	424	0.8	7	13.6	413	41.9	11	10.4	401	17.7	14	33.0	388	46.1	17	12.9
16	0	91	33.8	-1	36.6	80	9.5	2	56.5	429	51.4	7	17.1	418	32.5	11	13.4	406	8.1	14	35.5	393	36.5	17	14.8
	20	96	24.2	-1	32.8	85	0.1	3	0.2	434	42.0	7	20.5	423	23.0	11	16.5	411	58.6	14	38.0	398	26.8	17	16.7
	40	101	14.6	-																					

		13 Apr				14 Apr				15 Apr				16 Apr				17 Apr				18 Apr							
		GHA				GHA				GHA				GHA				GHA				GHA							
		Dec				Dec				Dec				Dec				Dec				Dec							
h	m	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d		
0	0	150	44.4	17	57.3	139	5.0	19	30.4	127	24.3	20	10.0	115	46.9	19	55.4	104	16.9	18	48.0	92	56.5	16	51.0				
0	20	155	34.7	17	59.0	143	55.3	19	31.3	132	14.6	20	10.2	120	37.2	19	54.8	109	7.4	18	46.7	97	47.1	16	49.1				
0	40	160	25.0	18	0.6	148	45.6	19	32.3	137	4.8	20	10.3	125	27.6	19	54.2	113	57.9	18	45.4	102	37.7	16	47.1				
1	0	165	15.3	18	2.2	153	35.8	19	33.2	141	55.1	20	10.5	130	18.0	19	53.6	118	48.4	18	44.1	107	28.3	16	45.1				
0	20	170	5.7	18	3.8	158	26.1	19	34.0	146	45.4	20	10.6	135	8.3	19	53.0	123	38.8	18	42.8	112	18.9	16	43.1				
0	40	174	56.0	18	5.5	163	16.4	19	34.9	151	35.7	20	10.7	139	58.7	19	52.4	128	29.3	18	41.4	117	9.6	16	41.2				
2	0	179	46.3	18	7.1	168	6.6	19	35.8	156	26.0	20	10.8	144	49.1	19	51.7	133	19.8	18	40.1	122	0.2	16	39.2				
0	20	184	36.6	18	8.6	172	56.9	19	36.7	161	16.3	20	10.9	149	39.4	19	51.1	138	10.3	18	38.7	126	50.8	16	37.2				
0	40	189	26.9	18	10.2	177	47.2	19	37.5	166	6.5	20	11.0	154	29.8	19	50.4	143	0.8	18	37.4	131	41.4	16	35.1				
3	0	194	17.2	18	11.8	182	37.4	19	38.3	170	56.8	20	11.1	159	20.2	19	49.8	147	51.3	18	36.0	136	32.1	16	33.1				
0	20	199	7.5	18	13.4	187	27.7	19	39.2	175	47.1	20	11.2	164	10.5	19	49.1	152	41.8	18	34.6	141	22.7	16	31.1				
0	40	203	57.8	18	14.9	192	18.0	19	40.0	180	37.4	20	11.3	169	0.9	19	48.4	157	32.3	18	33.2	146	13.3	16	29.0				
4	0	208	48.1	18	16.4	197	8.2	19	40.8	185	27.7	20	11.3	173	51.3	19	47.7	162	22.8	18	31.8	151	4.0	16	27.0				
0	20	213	38.4	18	18.0	201	58.5	19	41.6	190	18.0	20	11.3	178	41.7	19	47.0	167	13.3	18	30.4	155	54.6	16	24.9				
0	40	218	28.7	18	19.5	206	48.7	19	42.4	195	8.3	20	11.4	183	32.0	19	46.3	172	3.8	18	29.0	160	45.3	16	22.9				
5	0	223	19.0	18	21.0	211	39.0	19	43.1	199	58.6	20	11.4	188	22.4	19	45.6	176	54.3	18	27.6	165	35.9	16	20.8				
0	20	228	9.3	18	22.5	216	29.3	19	43.9	204	48.9	20	11.4	193	12.8	19	44.9	181	44.8	18	26.1	170	26.5	16	18.7				
0	40	232	59.6	18	24.0	221	19.5	19	44.7	209	39.1	20	11.4	198	3.2	19	44.1	186	35.4	18	24.7	175	17.2	16	16.6				
6	0	237	49.9	18	25.5	226	9.8	19	45.4	214	29.4	20	11.4	202	53.6	19	43.4	191	25.9	18	23.2	180	7.8	16	14.5				
0	20	242	40.2	18	27.0	231	0.1	19	46.1	219	19.7	20	11.4	207	44.0	19	42.6	196	16.4	18	21.8	184	58.5	16	12.4				
0	40	247	30.5	18	28.4	235	50.3	19	46.9	224	10.0	20	11.3	212	34.3	19	41.8	201	6.9	18	20.3	189	49.1	16	10.3				
7	0	252	20.8	18	29.9	240	40.6	19	47.6	229	0.3	20	11.3	217	24.7	19	41.1	205	57.4	18	18.8	194	39.8	16	8.2				
0	20	257	11.1	18	31.3	245	30.9	19	48.3	233	50.6	20	11.2	222	15.1	19	40.3	210	47.9	18	17.3	199	30.4	16	6.0				
0	40	262	1.4	18	32.7	250	21.1	19	49.0	238	40.9	20	11.2	227	5.5	19	39.5	215	38.5	18	15.8	204	21.1	16	3.9				
8	0	266	51.7	18	34.2	255	11.4	19	49.6	243	31.2	20	11.1	231	55.9	19	38.6	220	29.0	18	14.3	209	11.7	16	1.7				
0	20	271	42.0	18	35.6	260	1.6	19	50.3	248	21.5	20	11.0	236	46.3	19	37.8	225	19.5	18	12.8	214	2.4	15	59.6				
0	40	276	32.3	18	37.0	264	51.9	19	51.0	253	11.8	20	10.9	241	36.7	19	37.0	230	10.1	18	11.3	218	53.1	15	57.4				
9	0	281	22.6	18	38.4	269	42.2	19	51.6	258	2.1	20	10.8	246	27.1	19	36.1	235	0.6	18	9.7	223	43.7	15	55.2				
0	20	286	12.9	18	39.7	274	32.4	19	52.3	262	52.4	20	10.7	251	17.5	19	35.3	239	51.1	18	8.2	228	34.4	15	53.0				
0	40	291	3.2	18	41.1	279	22.7	19	52.9	267	42.7	20	10.6	256	7.9	19	34.4	244	41.7	18	6.6	233	25.1	15	50.8				
10	0	295	53.5	18	42.5	284	13.0	19	53.5	272	33.0	20	10.4	260	58.3	19	33.6	249	32.2	18	5.1	238	15.7	15	48.6				
0	20	300	43.7	18	43.8	289	3.2	19	54.1	277	23.3	20	10.3	265	48.7	19	32.7	254	22.7	18	3.5	254	6.4	15	46.4				
0	40	305	34.0	18	45.2	293	53.5	19	54.7	282	13.6	20	10.1	270	39.1	19	31.8	259	13.3	18	1.9	247	57.1	15	44.2				
11	0	310	24.3	18	46.5	298	43.8	19	55.3	287	3.9	20	10.0	275	29.5	19	30.9	264	3.8	18	0.3	252	47.7	15	42.0				
0	20	315	14.6	18	47.8	303	34.0	19	55.9	291	54.3	20	9.8	280	19.9	19	30.0	268	54.4	17	58.7	257	38.1	15	39.8				
0	40	320	4.9	18	49.1	308	24.3	19	56.4	296	44.6	20	9.6	285	10.4	19	29.0	273	44.9	17	57.1	262	29.4	15	37.5				
12	0	324	55.2	18	50.4	313	14.5	19	57.0	301	34.9	20	9.4	290	0.8	19	28.1	278	35.5	17	55.5	267	19.7	15	35.3				
0	20	329	45.5	18	51.7	318	4.8	19	57.5	306	25.2	20	9.2	294	51.2	19	27.2	283	26.0	17	53.8	272	10.4	15	33.0				
0	40	334	35.7	18	53.0	322	55.1	19	58.1	311	15.5	20	9.0	299	41.6	19	26.2	288	16.6	17	52.2	277	1.1	15	30.7				
13	0	339	26.0	18	54.3	327	45.3	19	58.6	316	5.8	20	8.8	304	32.0	19	25.3	293	7.1	17	50.5	281	51.8	15	28.5				
0	20	344	16.3	18	55.5	332	35.6	19	59.1	320	56.1	20	8.5	309	22.5	19	24.3	297	57.7	17	48.9	286	42.5	15	26.2				
0	40	349	6.6	18	56.8	337	25.9	19	59.6	325	46.4	20	8.3	314	12.9	19	23.3	302	48.2	17	47.2	291	33.1	15	23.9				
14	0	353	56.9	18	58.0	342	16.1	20	0.1	330	36.8	20	8.0	319	3.3	19	22.3	307	38.8	17	45.2	296	23.8	15	21.6				
0	20	358	47.1	18	59.2	347	6.4	20	0.6	335	27.1	20	7.7	323	53.7	19	21.3	312	29.4	17	43.8	301	14.5	15	19.3				
0	40	3	37.4	19	0.5	351	56.7	20	1.1	340	17.4	20	7.4	328	44.2	19	20.3	317	19.9	17	42.1	306	5.2	15	17.0				
15	0	8	27.7	19</																									

		19 Apr				20 Apr				21 Apr				22 Apr				23 Apr				24 Apr			
		GHA				GHA				GHA				GHA				GHA				GHA			
		Dec				Dec				Dec				Dec				Dec				Dec			
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>
0	0	81	45.0	14	8.8	70	38.9	10	46.8	59	32.3	6	51.4	48	16.7	2	30.5	36	42.4	-2	5.7	24	39.4	-6	44.3
20		86	35.7	14	6.3	75	29.7	10	43.7	64	23.0	6	47.9	53	7.2	2	26.8	41	32.6	-2	9.6	29	29.1	-6	48.1
40		91	26.4	14	3.7	80	20.5	10	40.7	69	13.7	6	44.4	57	57.7	2	23.0	46	22.8	-2	13.5	34	18.8	-6	51.9
1	0	96	17.1	14	1.2	85	11.2	10	37.6	74	4.4	6	41.0	62	48.2	2	19.2	51	12.9	-2	17.4	39	8.5	-6	55.7
20		101	7.9	13	58.6	90	2.0	10	34.5	78	55.1	6	37.5	67	38.7	2	15.5	56	3.1	-2	21.3	43	58.1	-6	59.5
40		105	58.6	13	56.0	94	52.7	10	31.5	83	45.7	6	34.0	72	29.2	2	11.7	60	53.3	-2	25.2	48	47.8	-7	3.3
2	0	110	49.3	13	53.4	99	43.5	10	28.4	88	36.4	6	30.5	77	19.7	2	7.9	65	43.4	-2	29.1	53	37.5	-7	7.1
20		115	40.1	13	50.8	104	34.3	10	25.3	93	27.1	6	27.0	82	10.2	2	4.1	70	33.6	-2	32.9	58	27.2	-7	10.9
40		120	30.8	13	48.2	109	25.0	10	22.2	98	17.8	6	23.5	87	0.6	2	0.4	75	23.7	-2	36.8	63	16.8	-7	14.7
3	0	125	21.5	13	45.6	114	15.8	10	19.1	103	8.5	6	20.0	91	51.1	1	56.6	80	13.8	-2	40.7	68	6.5	-7	18.5
20		130	12.2	13	43.0	119	6.6	10	15.9	107	59.2	6	16.5	96	41.6	1	52.8	85	4.0	-2	44.6	72	56.1	-7	22.3
40		135	3.0	13	40.4	123	57.3	10	12.8	112	49.9	6	13.0	101	32.1	1	49.0	89	54.1	-2	48.5	77	45.7	-7	26.0
4	0	139	53.7	13	37.8	128	48.1	10	9.7	117	40.5	6	9.4	106	22.5	1	45.2	94	44.2	-2	52.4	82	35.4	-7	29.8
20		144	44.5	13	35.1	133	38.8	10	6.6	122	31.2	6	6.3	111	13.0	1	41.4	99	34.3	-2	56.3	87	25.0	-7	33.6
40		149	35.2	13	32.5	138	29.6	10	3.4	127	21.9	6	2.4	116	3.5	1	37.6	104	24.4	-3	0.2	92	14.6	-7	37.4
5	0	154	25.9	13	29.8	143	20.3	10	0.3	132	12.6	5	58.8	120	53.9	1	33.8	109	14.5	-3	4.1	97	4.2	-7	41.1
20		159	16.7	13	27.2	148	11.1	9	57.1	137	3.2	5	55.3	125	44.4	1	30.0	114	4.6	-3	7.9	101	53.8	-7	44.9
40		164	7.4	13	24.5	153	1.9	9	54.0	141	53.9	5	51.8	130	34.8	1	26.2	118	54.7	-3	11.8	106	43.4	-7	48.7
6	0	168	58.1	13	21.8	157	52.6	9	50.8	146	44.6	5	48.2	135	25.3	1	22.4	123	44.8	-3	15.7	111	33.0	-7	52.4
20		173	48.9	13	19.1	162	43.4	9	47.6	151	35.2	5	44.7	140	15.7	1	18.6	128	34.8	-3	19.6	116	22.5	-7	56.2
40		178	39.6	13	16.5	167	34.1	9	44.5	156	25.9	5	41.1	145	6.1	1	14.8	133	24.9	-3	23.5	121	12.1	-7	59.9
7	0	183	30.4	13	13.8	172	24.9	9	41.3	161	16.6	5	37.5	149	56.6	1	11.0	138	14.9	-3	27.4	126	1.7	-8	3.7
20		188	21.1	13	11.1	177	15.6	9	38.1	166	7.2	5	34.0	154	47.2	1	7.2	143	5.0	-3	31.3	130	51.2	-8	7.4
40		193	11.9	13	8.3	182	6.4	9	34.9	170	57.9	5	30.4	159	37.4	1	3.4	147	55.1	-3	35.2	135	40.8	-8	11.2
8	0	198	2.6	13	5.6	186	57.2	9	31.7	175	48.5	5	26.8	164	27.8	0	59.6	152	45.1	-3	39.1	140	30.3	-8	14.9
20		202	53.3	13	2.9	191	47.9	9	28.5	180	39.2	5	23.2	169	18.2	0	55.7	157	35.1	-3	42.9	145	19.8	-8	18.6
40		207	44.1	13	0.2	196	38.7	9	25.3	185	29.8	5	19.6	174	8.7	0	51.9	162	25.2	-3	46.8	150	9.3	-8	22.4
9	0	212	34.8	12	57.4	201	29.4	9	22.1	190	20.5	5	16.1	178	59.1	0	48.1	167	15.2	-3	50.7	154	58.9	-8	26.1
20		217	25.6	12	54.7	206	20.2	9	18.8	195	11.1	5	12.5	183	49.5	0	44.3	172	5.2	-3	54.6	159	48.4	-8	29.8
40		222	16.3	12	51.9	211	10.9	9	15.6	200	1.7	5	8.9	188	39.9	0	40.4	176	55.2	-3	58.5	164	37.9	-8	33.5
10	0	227	7.1	12	49.2	216	1.7	9	12.4	204	52.4	5	5.3	193	30.3	0	36.6	181	45.2	-4	2.4	169	27.3	-8	37.2
20		231	57.8	12	46.4	220	52.4	9	9.1	209	43.0	5	1.7	198	20.6	0	32.8	186	35.2	-4	6.3	174	16.8	-8	40.9
40		236	48.6	12	43.6	225	43.2	9	5.9	214	33.7	4	58.0	203	11.0	0	28.9	191	25.2	-4	10.1	179	6.3	-8	44.6
11	0	241	39.3	12	40.8	230	33.9	9	2.6	219	24.3	4	54.4	208	1.4	0	25.1	196	15.2	-4	14.0	183	55.8	-8	48.3
20		246	30.1	12	38.0	235	24.7	8	59.4	224	14.9	4	50.8	212	51.8	0	21.3	201	5.2	-4	17.9	188	45.2	-8	52.0
40		251	20.8	12	35.2	240	15.4	8	56.1	229	5.5	4	47.2	217	42.2	0	17.4	205	55.1	-4	21.8	193	34.7	-8	55.7
12	0	256	11.6	12	32.4	245	6.2	8	52.8	233	56.2	4	43.6	222	32.5	0	13.6	210	45.1	-4	25.7	198	24.1	-8	59.4
20		261	2.3	12	29.6	249	56.9	8	49.5	238	46.8	4	39.9	227	22.9	0	9.7	215	35.1	-4	29.5	203	13.5	-9	3.1
40		265	53.1	12	26.8	254	47.6	8	46.3	243	37.4	4	36.3	232	13.2	0	5.9	220	25.0	-4	33.4	208	3.0	-9	6.8
13	0	270	43.9	12	24.0	259	38.4	8	43.0	248	28.0	4	32.7	237	3.6	0	2.0	225	15.0	-4	37.3	212	52.4	-9	10.4
20		275	34.6	12	21.1	264	29.1	8	39.7	253	18.6	4	29.0	241	53.9	-0	1.8	230	4.9	-4	41.2	217	41.8	-9	14.1
40		280	25.4	12	18.3	269	19.9	8	36.4	258	9.2	4	25.4	246	44.3	-0	5.7	234	54.8	-4	45.0	222	31.2	-9	17.8
14	0	285	16.1	12	15.4	274	10.6	8	33.1	262	59.9	4	21.7	251	34.6	-0	9.5	239	44.8	-4	48.9	227	20.6	-9	21.4
20		290	6.9	12	12.6	279	1.4	8	29.8	267	50.5	4	18.1	256	25.0	-0	13.4	244	34.7	-4	52.8	232	10.0	-9	25.1
40		294	57.6	12	9.7	283	52.1	8	26.4	272	41.1	4	14.4	261	15.3	-0	17.2	249	24.6	-4	56.6	236	59.3	-9	28.7
15	0	299	48.4	12	6.8	288	42.8	8	23.1	277	31.7	4	10.7	266	5.6	-0	21.1	254	14.5	-5	0.5	241	48.7	-9	32.4
20		304	39.2	12	4.0	293	33.6	8	19.8	282	22.3	4	7.1	270	55.9	-0	25.0	259	4.4	-5	4.4	246	38.1	-9	36.0
40		309	29.9	12	1.1	298	24.3	8	16.5	287	12.8	4	3.4	275	46.2	-0	28.8	263	54.3	-5	8.2	251	27.4	-9	39.6
16	0	314	20.7	11	58.2	303	15.0	8	13.1	292	3.4	3	59.7	280	36.5	-0	32.7	268	44.2	-5	12.1	256	16.7	-9	43.3
20		319	11.4	11	55.3	308	5.8	8	9.8	296	54.0	3	56.1	285	26.9	-0	36.5	273	34.1	-5	16.0	261	6.1	-9	46.9
40		324	2.2	11	52.4	312	56.5	8	6.4	301	44.6	3	52.4	290	17.2	-0	40.4	278	23.9	-5	19.8	265	55.4	-9	50.5
17	0	328	52.9	11	49.5	317	47.2	8	3.1	306	35.2	3	48.7	295	7.4	-0	44.3	283	13.8	-5	23.7	270	44.7	-9	54.1
20		333	43.7	11	46.6	322	38.0	7	59.7	311	25.8	3	45.0	299	57.7	-0	48.1	288	3.7	-5	27.5	275	34.0	-9	57.7
40		338	34.5	11	43.6	327	28.7	7	56.3	316	16.3	3	41.3	304	48.0	-0	52.0	292	53.5	-5	31.4	280	23.3	-10	1.3
18	0	343	25.2	11	40.7	332	19.4	7	53.0	321	6.9	3	37.6	309	38.3	-0	55.9	297	43.4	-5	35.3	285	12.6	-10	4.9
20		348	16.0	11	37.8	337	10.1	7	49.6	325	57.5	3	33.9	314	28.6	-0	59.8	302	33.2	-5	39.1	290	1.9	-10	8.5

		25 Apr				26 Apr				27 Apr				28 Apr				29 Apr				30 Apr			
		GHA				GHA				GHA				GHA				GHA				GHA			
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>
0	0	11	58.5	-11	8.7	358	34.6	-14	59.8	344	29.6	-17	57.2	329	54.6	-19	43.6	315	9.5	-20	8.4	300	37.5	-19	10.9
	20	16	47.6	-11	12.2	3	23.2	-15	2.6	349	17.6	-17	59.2	334	42.3	-19	44.5	319	57.2	-20	8.2	305	25.5	-19	9.5
	40	21	36.8	-11	15.7	8	11.7	-15	5.5	354	5.6	-18	1.2	339	30.0	-19	45.4	324	45.0	-20	7.9	310	13.6	-19	8.2
1	0	26	25.9	-11	19.1	13	0.2	-15	8.4	358	53.6	-18	3.2	344	17.7	-19	46.3	329	32.7	-20	7.7	315	1.7	-19	6.8
	20	31	15.0	-11	22.6	17	48.7	-15	11.2	3	41.6	-18	5.1	349	5.5	-19	47.2	334	20.5	-20	7.4	319	49.8	-19	5.4
	40	36	4.1	-11	26.1	22	37.2	-15	14.0	8	29.6	-18	7.1	353	53.2	-19	48.0	339	8.2	-20	7.1	324	37.9	-19	4.0
2	0	40	53.2	-11	29.5	27	25.7	-15	16.9	13	17.6	-18	9.0	358	40.9	-19	48.9	343	56.0	-20	6.7	329	26.0	-19	2.6
	20	45	42.3	-11	33.0	32	14.2	-15	19.7	18	5.6	-18	10.9	3	28.6	-19	49.7	348	43.8	-20	6.4	334	14.2	-19	1.1
	40	50	31.3	-11	36.4	37	2.7	-15	22.5	22	53.5	-18	12.8	8	16.3	-19	50.5	353	31.5	-20	6.0	339	2.3	-18	59.7
3	0	55	20.4	-11	39.8	41	51.1	-15	25.3	27	41.5	-18	14.7	13	4.0	-19	51.3	358	19.3	-20	5.7	343	50.4	-18	58.2
	20	60	9.5	-11	43.3	46	39.6	-15	28.1	32	29.5	-18	16.6	17	51.7	-19	52.1	3	7.1	-20	5.3	348	38.6	-18	56.8
	40	64	58.5	-11	46.7	51	28.0	-15	30.8	37	17.4	-18	18.4	22	39.4	-19	52.8	7	54.8	-20	4.9	353	26.7	-18	55.3
4	0	69	47.6	-11	50.1	56	16.5	-15	33.6	42	5.4	-18	20.3	27	27.1	-19	53.6	12	42.6	-20	4.4	358	14.9	-18	53.8
	20	74	36.6	-11	53.5	61	4.9	-15	36.3	46	53.3	-18	22.1	32	14.8	-19	54.3	17	30.4	-20	4.0	3	3.0	-18	52.2
	40	79	25.6	-11	56.9	65	53.3	-15	39.1	51	41.3	-18	23.9	37	2.5	-19	55.0	22	18.2	-20	3.6	7	51.2	-18	50.7
5	0	84	14.6	-12	0.3	70	41.8	-15	41.8	56	29.2	-18	25.7	41	50.2	-19	55.7	27	6.0	-20	3.1	12	39.4	-18	49.2
	20	89	3.6	-12	3.7	75	30.2	-15	44.5	61	17.1	-18	27.5	46	37.9	-19	56.4	31	53.8	-20	2.6	17	27.5	-18	47.6
	40	93	52.6	-12	7.0	80	18.6	-15	47.2	66	5.1	-18	29.3	51	25.6	-19	57.0	36	41.6	-20	2.1	22	15.7	-18	46.0
6	0	98	41.6	-12	10.4	85	7.0	-15	49.9	70	53.0	-18	31.0	56	13.3	-19	57.7	41	29.4	-20	1.6	27	3.9	-18	44.5
	20	103	30.6	-12	13.8	89	55.4	-15	52.6	75	40.9	-18	32.8	61	1.0	-19	58.3	46	17.2	-20	1.1	31	52.1	-18	42.9
	40	108	19.6	-12	17.1	94	43.7	-15	55.3	80	28.8	-18	34.5	65	48.7	-19	58.9	51	5.0	-20	0.5	36	40.3	-18	41.2
7	0	113	8.6	-12	20.5	99	32.1	-15	57.9	85	16.7	-18	36.2	70	36.4	-19	59.5	55	52.8	-19	59.9	41	28.6	-18	39.6
	20	117	57.5	-12	23.8	104	20.5	-16	0.6	90	4.6	-18	37.9	75	24.1	-20	0.1	60	40.6	-19	59.4	46	16.8	-18	38.0
	40	122	46.5	-12	27.1	109	8.8	-16	3.2	94	52.5	-18	39.6	80	11.8	-20	0.7	65	28.4	-19	58.8	51	5.0	-18	36.3
8	0	127	35.4	-12	30.4	113	57.2	-16	5.8	99	40.4	-18	41.3	84	59.5	-20	1.2	70	16.2	-19	58.2	55	53.3	-18	34.6
	20	132	24.3	-12	33.8	118	45.5	-16	8.4	104	28.3	-18	42.9	89	47.2	-20	1.7	75	4.1	-19	57.5	60	41.5	-18	33.0
	40	137	13.3	-12	37.1	123	33.9	-16	11.0	109	16.2	-18	44.6	94	34.9	-20	2.3	79	51.9	-19	56.9	65	29.8	-18	31.3
9	0	142	2.2	-12	40.4	128	22.2	-16	13.6	114	4.1	-18	46.2	99	22.6	-20	2.7	84	39.7	-19	56.2	70	18.0	-18	29.6
	20	146	51.1	-12	43.7	133	10.5	-16	16.2	118	51.9	-18	47.8	104	10.3	-20	3.2	89	27.6	-19	55.6	75	6.3	-18	27.8
	40	151	40.0	-12	46.9	137	58.8	-16	18.8	123	39.8	-18	49.4	108	58.0	-20	3.7	94	15.4	-19	54.9	79	54.6	-18	26.1
10	0	156	28.9	-12	50.2	142	47.1	-16	21.3	128	27.7	-18	51.0	113	45.7	-20	4.2	99	3.3	-19	54.2	84	42.8	-18	24.3
	20	161	17.7	-12	53.5	147	35.4	-16	23.9	133	15.5	-18	52.6	118	33.4	-20	4.6	103	51.1	-19	53.5	89	31.1	-18	22.6
	40	166	6.6	-12	56.7	152	23.7	-16	26.4	138	3.4	-18	54.1	123	21.1	-20	5.0	108	39.0	-19	52.7	94	19.4	-18	20.8
11	0	170	55.5	-13	0.0	157	12.0	-16	28.9	142	51.2	-18	55.6	128	8.8	-20	5.4	113	26.8	-19	52.0	99	7.7	-18	19.0
	20	175	44.3	-13	3.2	162	0.3	-16	31.4	147	39.1	-18	57.2	132	56.4	-20	5.8	118	14.7	-19	51.2	103	56.0	-18	17.2
	40	180	33.2	-13	6.5	166	48.5	-16	33.9	152	26.9	-18	58.7	137	44.1	-20	6.2	123	2.6	-19	50.4	108	44.4	-18	15.4
12	0	185	22.0	-13	9.7	171	36.8	-16	36.4	157	14.8	-19	0.2	142	31.8	-20	6.5	127	50.5	-19	49.6	113	32.7	-18	13.6
	20	190	10.9	-13	12.9	176	25.0	-16	38.9	162	2.6	-19	1.6	147	19.5	-20	6.9	132	38.3	-19	48.8	118	21.0	-18	11.7
	40	194	59.7	-13	16.1	181	13.3	-16	41.3	166	50.4	-19	3.1	152	7.2	-20	7.2	137	26.2	-19	48.0	123	9.4	-18	9.9
13	0	199	48.5	-13	19.3	186	1.5	-16	43.8	171	38.2	-19	4.5	156	54.9	-20	7.5	142	14.1	-19	47.1	127	57.7	-18	8.0
	20	204	37.3	-13	22.5	190	49.8	-16	46.2	176	26.1	-19	6.0	161	42.6	-20	7.8	147	2.0	-19	46.3	132	46.1	-18	6.1
	40	209	26.1	-13	25.7	195	38.0	-16	48.6	181	13.9	-19	7.4	166	30.3	-20	8.0	151	49.9	-19	45.4	137	34.8	-18	4.2
14	0	214	14.9	-13	28.9	200	26.2	-16	51.0	186	1.7	-19	8.8	171	18.0	-20	8.3	156	37.8	-19	44.5	142	22.4	-18	2.3
	20	219	3.7	-13	32.0	205	14.4	-16	53.4	190	49.5	-19	10.2	176	5.7	-20	8.5	161	25.7	-19	43.6	147	11.2	-18	0.4
	40	223	52.4	-13	35.2	210	2.6	-16	55.8	195	37.3	-19	11.5	180	53.4	-20	8.8	166	13.6	-19	42.7	151	59.6	-17	58.5
15	0	228	41.2	-13	38.3	214	50.8	-16	58.2	200	25.1	-19	12.9	185	41.1	-20	9.0	171	1.5	-19	41.8	156	48.0	-17	56.5
	20	233	29.9	-13	41.5	219	39.0	-17	0.5	205	12.9	-19	14.2	190	28.8	-20	9.2	175	49.5	-19	40.8	161	36.4	-17	54.6
	40	238	18.7	-13	44.6	224	27.2	-17	2.9	210	0.7	-19	15.6	195	16.5	-20	9.3	180	37.4	-19	39.8	166	24.8	-17	52.6
16	0	243	7.4	-13	47.7	229	15.4	-17	5.2	214	48.5	-19	16.9	200	4.2	-20	9.5	185	25.3	-19	38.9	171	13.2	-17	50.6
	20	247	56.2	-13	50.8	234	3.5	-17	7.5	219	36.3	-19	18.2	204	51.9	-20	9.6	190	13.3	-19	37.9	176	1.7	-17	48.6
	40	252	44.9	-13	53.9	238	51.7	-17	9.8	224	24.1	-19	19.4	209	39.6	-20	9.8	195	1.2	-19	36.9	180	50.1	-17	46.6
17	0	257	33.6	-13	57.0	243	39.8	-17	12.1	229	11.8	-19	20.7	214	27.3	-20	9.9	199	49.2	-19	35.8	185	38.5	-17	44.6
	20	262	22.3	-14	0.1	248	28.0	-17	14.4	233	59.6	-19	22.0	219	15.0	-20	10.0	204	37.1	-19	34.8	190	27.0	-17	42.6
	40	267	11.0	-14	3.2	253	16.1	-17	16.7	238	47.4	-19	23.2	224	2.7	-20	10.0	209	25.1	-19	33.7	195	15.4	-17	40.5
18	0	271	59.7	-14	6.2	258	4.3	-17	18.9	243	35.2	-19	24.4	228	50.4	-20	10.1	214	13.1	-19	32.7	200	3.9	-17	38.5
	20	276	48.4	-14	9.3	262	52.4	-17	21.2	248	22.9	-19	25.6	233	38.1	-20	10.1								

h m	1 May			2 May			3 May			4 May			5 May			6 May		
	GHA	Dec	d'	GHA	Dec	d'	GHA	Dec	d'	GHA	Dec	d'	GHA	Dec	d'	GHA	Dec	d'
0 0	286	37.7	-16 59.4	273	20.5	-13 48.7	260	46.4	-9 55.7	248	49.2	-5 36.7	237	19.2	-1 6.8	226	5.5	3 21.3
20	291	26.4	-16 57.1	278	9.7	-13 45.7	265	36.2	-9 52.2	253	39.5	-5 33.0	242	9.8	-1 3.0	230	56.2	3 25.0
40	296	15.0	-16 54.9	282	59.0	-13 42.7	270	26.0	-9 48.7	258	29.8	-5 29.3	247	0.3	-0 59.2	235	46.9	3 28.6
1 0	301	3.6	-16 52.6	287	48.2	-13 39.7	275	15.8	-9 45.3	263	20.0	-5 25.6	251	50.9	-0 55.5	240	37.6	3 32.3
20	305	52.3	-16 50.2	292	37.5	-13 36.7	280	5.7	-9 41.8	268	10.3	-5 21.9	256	41.5	-0 51.7	245	28.3	3 35.9
40	310	40.9	-16 47.9	297	26.8	-13 33.7	284	55.5	-9 38.3	273	0.6	-5 18.2	261	32.0	-0 47.9	250	19.1	3 39.6
2 0	315	29.6	-16 45.6	302	16.0	-13 30.7	289	45.3	-9 34.9	277	50.8	-5 14.5	266	22.6	-0 44.2	255	9.8	3 43.2
20	320	18.3	-16 43.2	307	5.3	-13 27.6	294	35.2	-9 31.4	282	41.1	-5 10.8	271	13.2	-0 40.4	260	0.5	3 46.8
40	325	7.0	-16 40.9	311	54.6	-13 24.6	299	25.0	-9 27.9	287	31.4	-5 7.0	276	3.8	-0 36.7	264	51.2	3 50.5
3 0	329	55.7	-16 38.5	316	43.9	-13 21.5	304	14.9	-9 24.4	292	21.7	-5 3.3	280	54.3	-0 32.9	269	41.9	3 54.1
20	334	44.4	-16 36.1	321	33.3	-13 18.5	309	4.8	-9 20.9	297	12.0	-4 59.6	285	44.9	-0 29.1	274	32.6	3 57.7
40	339	33.1	-16 33.7	326	22.6	-13 15.4	313	54.7	-9 17.4	302	2.3	-4 55.9	290	35.5	-0 25.4	279	23.4	4 1.3
4 0	344	21.8	-16 31.3	331	11.9	-13 12.3	318	44.5	-9 13.9	306	52.6	-4 52.1	295	26.1	-0 21.6	284	14.1	4 5.0
20	349	10.5	-16 28.9	336	1.2	-13 9.3	323	34.4	-9 10.4	311	43.0	-4 48.4	300	16.7	-0 17.9	289	4.8	4 8.6
40	353	59.2	-16 26.5	340	50.6	-13 6.2	328	24.3	-9 6.9	316	33.3	-4 44.7	305	7.3	-0 14.1	293	55.5	4 12.2
5 0	358	48.0	-16 24.0	345	40.0	-13 3.1	333	14.2	-9 3.3	321	23.6	-4 41.0	309	57.9	-0 10.3	298	46.2	4 15.8
20	3	36.7	-16 21.6	350	29.3	-13 0.0	338	4.1	-8 59.8	326	13.9	-4 37.2	314	48.5	-0 6.6	303	37.0	4 19.4
40	8	25.5	-16 19.1	355	18.7	-12 56.9	342	54.1	-8 56.3	331	4.3	-4 33.5	319	39.1	-0 2.8	308	27.7	4 23.0
6 0	13	14.3	-16 16.7	0	8.1	-12 53.8	347	44.0	-8 52.7	335	54.6	-4 29.7	324	29.7	0 0.9	313	18.4	4 26.6
20	18	3.0	-16 14.2	4	57.5	-12 50.6	352	33.9	-8 49.2	340	45.0	-4 26.0	329	20.3	0 4.7	318	9.1	4 30.2
40	22	51.8	-16 11.7	9	46.9	-12 47.5	357	23.9	-8 45.7	345	35.3	-4 22.3	334	10.9	0 8.4	322	59.9	4 33.8
7 0	27	40.6	-16 9.2	14	36.3	-12 44.4	2	13.8	-8 42.1	350	25.7	-4 18.5	339	1.5	0 12.2	327	50.6	4 37.4
20	32	29.4	-16 6.7	19	25.7	-12 41.2	7	3.7	-8 38.6	355	16.0	-4 14.8	343	52.1	0 15.9	332	41.3	4 41.0
40	37	18.2	-16 4.2	24	15.1	-12 38.1	11	53.7	-8 35.0	0	6.4	-4 11.0	348	42.7	0 19.7	337	32.0	4 44.6
8 0	42	7.1	-16 1.6	29	4.5	-12 34.9	16	43.7	-8 31.5	4	56.7	-4 7.3	353	33.4	0 23.4	342	22.8	4 48.2
20	46	55.9	-15 59.1	33	54.0	-12 31.7	21	33.6	-8 27.9	9	47.1	-4 3.6	358	24.0	0 27.2	347	13.5	4 51.8
40	51	44.7	-15 56.5	38	43.4	-12 28.5	26	23.6	-8 24.3	14	37.5	-3 59.8	3	14.6	0 30.9	352	4.2	4 55.4
9 0	56	33.6	-15 54.0	43	32.9	-12 25.4	31	13.6	-8 20.8	19	27.9	-3 56.1	8	5.2	0 34.6	356	55.0	4 58.9
20	61	22.4	-15 51.4	48	22.3	-12 22.2	36	3.6	-8 17.2	24	18.3	-3 52.3	12	55.9	0 38.4	1	45.7	5 2.5
40	66	11.3	-15 48.8	53	11.8	-12 19.0	40	53.6	-8 13.6	29	8.7	-3 48.6	17	46.5	0 42.1	6	36.4	5 6.1
10 0	71	0.2	-15 46.2	58	1.3	-12 15.8	45	43.6	-8 10.0	33	59.1	-3 44.8	22	37.1	0 45.9	11	27.1	5 9.6
20	75	49.0	-15 43.6	62	50.8	-12 12.6	50	33.6	-8 6.4	38	49.4	-3 41.1	27	27.8	0 49.6	16	17.9	5 13.2
40	80	37.9	-15 41.0	67	40.3	-12 9.3	55	23.6	-8 2.9	43	39.9	-3 37.3	32	18.4	0 53.3	21	8.6	5 16.8
11 0	85	26.8	-15 38.4	72	29.8	-12 6.1	60	13.7	-7 59.3	48	30.3	-3 33.5	37	9.1	0 57.1	25	59.3	5 20.3
20	90	15.7	-15 35.7	77	19.3	-12 2.9	65	3.7	-7 55.7	53	20.7	-3 29.8	41	59.7	1 0.8	30	50.1	5 23.9
40	95	4.6	-15 33.1	82	8.8	-11 59.7	69	53.7	-7 52.1	58	11.1	-3 26.0	46	50.3	1 4.5	35	40.8	5 27.4
12 0	99	53.6	-15 30.4	86	58.3	-11 56.4	74	43.8	-7 48.5	63	1.5	-3 22.3	51	41.0	1 8.3	40	31.5	5 31.0
20	104	42.5	-15 27.8	91	47.8	-11 53.2	79	33.8	-7 44.9	67	51.9	-3 18.5	56	31.6	1 12.0	45	22.3	5 34.5
40	109	31.4	-15 25.1	96	37.4	-11 49.9	84	23.9	-7 41.2	72	42.4	-3 14.8	61	22.3	1 15.7	50	13.0	5 38.0
13 0	114	20.4	-15 22.4	101	26.9	-11 46.6	89	13.9	-7 37.6	77	32.8	-3 11.0	66	12.9	1 19.5	55	3.7	5 41.6
20	119	9.3	-15 19.7	106	16.5	-11 43.4	94	4.0	-7 34.0	82	23.2	-3 7.2	71	3.6	1 23.2	59	54.5	5 45.1
40	123	58.3	-15 17.0	111	6.1	-11 40.1	98	54.1	-7 30.4	87	13.7	-3 3.5	75	54.3	1 26.9	64	45.2	5 48.6
14 0	128	47.3	-15 14.3	115	55.6	-11 36.8	103	44.1	-7 26.8	92	4.1	-2 59.7	80	44.9	1 30.6	69	36.0	5 52.2
20	133	36.3	-15 11.6	120	45.2	-11 33.5	108	34.2	-7 23.1	96	54.6	-2 56.0	85	35.6	1 34.3	74	26.7	5 55.7
40	138	25.3	-15 8.9	125	34.8	-11 30.2	113	24.3	-7 19.5	101	45.0	-2 52.2	90	26.2	1 38.1	79	17.4	5 59.2
15 0	143	14.3	-15 6.1	130	24.4	-11 26.9	118	14.4	-7 15.9	106	35.5	-2 48.4	95	16.9	1 41.8	84	8.2	6 2.7
20	148	3.3	-15 3.4	135	14.0	-11 23.6	123	4.5	-7 12.3	111	25.9	-2 44.7	100	7.6	1 45.5	88	58.9	6 6.2
40	152	52.3	-15 0.6	140	3.6	-11 20.3	127	54.6	-7 8.6	116	16.4	-2 40.9	104	58.2	1 49.2	93	49.6	6 9.7
16 0	157	41.3	-14 57.8	144	53.2	-11 17.0	132	44.7	-7 5.0	121	6.9	-2 37.1	109	48.9	1 52.9	98	40.4	6 13.2
20	162	30.3	-14 55.1	149	42.9	-11 13.7	137	34.9	-7 1.3	125	57.4	-2 33.4	114	39.6	1 56.6	103	31.1	6 16.7
40	167	19.4	-14 52.3	154	32.5	-11 10.3	142	25.0	-6 57.7	130	47.8	-2 29.6	119	30.3	2 0.3	108	21.8	6 20.2
17 0	172	8.4	-14 49.5	159	22.1	-11 7.0	147	15.1	-6 54.0	135	38.3	-2 25.8	124	20.9	2 4.0	113	12.6	6 23.7
20	176	57.5	-14 46.7	164	11.8	-11 3.7	152	5.3	-6 50.4	140	28.8	-2 22.1	129	11.6	2 7.7	118	3.3	6 27.2
40	181	46.6	-14 43.9	169	1.5	-11 0.3	156	55.4	-6 46.7	145	19.3	-2 18.3	134	2.3	2 11.4	122	54.0	6 30.6
18 0	186	35.6	-14 41.0	173	51.1	-10 57.0	161	45.6	-6 43.1	150	9.8	-2 14.6	138	53.0	2 15.1	127	44.8	6 34.1
20	191	24.7	-14 38.2	178	40.8	-10 53.6	166	35.7	-6 39.4	155	0.3	-2 10.8	143	43.7	2 18.8	132	35.5	6 37.6
40	196	13.8	-14 35.4	183	30.5	-10 50.2	171	25.9	-6 35.7	159	50.8	-2 7.0	148	34.4	2 22.5	137	26.3	6 41.0
19 0	201	2.9	-14 32.5	188	20.2	-10 46.9	176	16.0	-6 32.1	164	41.3	-2 3.2	153	25.0	2 26.2	142	17.0	6 44.5
20	205	52.0	-14 29.6	193	9.9	-10 43.5	181	6.2	-6 28.4	169	31.8	-1 59.5	158	15.7	2 29.9	147	7.7	6 48.0
40	210	41.2	-14 26.8	197	59.6	-10 40.1	185	56.4	-6 24.7	174	22.3	-1 55.7	163	6.4	2 33.6	151	58.5	6 51.4
20 0	215	30.3	-14 23.9	202	49.3	-10 36.7	190	46.6										

		7 May			8 May			9 May			10 May			11 May			12 May													
		GHA			GHA			GHA			GHA			GHA			GHA													
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>												
0	0	214	58.0	7	35.9		203	48.4	11	26.6		192	31.1	14	44.0		181	3.8	17	19.8		169	27.8	19	7.5		157	47.0	20	2.9
	20	219	48.7	7	39.3		208	39.0	11	29.6		197	21.6	14	46.4		185	54.2	17	21.6		174	18.0	19	8.7		162	37.3	20	3.3
	40	224	39.4	7	42.7	3.4	213	29.7	11	32.6	3.0	202	12.2	14	48.9	2.4	190	44.6	17	23.5	1.8	179	8.3	19	9.8	1.1	167	27.5	20	3.6
1	0	229	30.2	7	46.1		218	20.3	11	35.5		207	2.7	14	51.3		195	35.0	17	25.3		183	58.6	19	10.9		172	17.8	20	4.0
	20	234	20.9	7	49.4	3.4	223	11.0	11	38.5	3.0	211	53.2	14	53.8	2.4	200	25.4	17	27.1	1.8	188	48.9	19	12.0	1.1	177	8.1	20	4.4
	40	239	11.6	7	52.8	3.4	228	1.6	11	41.5	3.0	216	43.7	14	56.2	2.4	205	15.8	17	28.9	1.8	193	39.2	19	13.1	1.1	181	58.3	20	4.7
2	0	244	2.4	7	56.2		232	52.3	11	44.4		221	34.2	14	58.6		210	6.1	17	30.7		198	29.5	19	14.2		186	48.6	20	5.0
	20	248	53.1	7	59.5	3.4	237	42.9	11	47.4	3.0	226	24.7	15	1.1	2.4	214	56.5	17	32.5	1.8	203	19.7	19	15.3	1.1	191	38.9	20	5.4
	40	253	43.8	8	2.9	3.4	242	33.6	11	50.3	3.0	231	15.3	15	3.5	2.4	219	46.9	17	34.2	1.8	208	10.0	19	16.3	1.1	196	29.1	20	5.7
3	0	258	34.5	8	6.3		247	24.2	11	53.3		236	5.8	15	5.9		224	37.3	17	36.0		213	0.3	19	17.4		201	19.4	20	6.0
	20	263	25.3	8	9.6	3.3	252	14.9	11	56.2	2.9	240	56.3	15	8.3	2.4	229	27.6	17	37.7	1.7	217	50.6	19	18.4	1.0	206	9.6	20	6.3
	40	268	16.0	8	12.9	3.3	257	5.5	11	59.1	2.9	245	46.8	15	10.6	2.4	234	18.0	17	39.5	1.7	222	40.9	19	19.5	1.0	210	59.9	20	6.6
4	0	273	6.7	8	16.3		261	56.1	12	2.0		250	37.3	15	13.0		239	8.4	17	41.2		227	31.1	19	20.5		215	50.2	20	6.8
	20	277	57.4	8	19.6	3.3	266	46.8	12	5.0	2.9	255	27.8	15	15.4	2.4	243	58.7	17	43.0	1.7	232	21.4	19	21.5	1.0	220	40.4	20	7.1
	40	282	48.2	8	22.9	3.3	271	37.4	12	7.9	2.9	260	18.3	15	17.7	2.4	248	49.1	17	44.7	1.7	237	11.7	19	22.5	1.0	225	30.7	20	7.4
5	0	287	38.9	8	26.3		276	28.0	12	10.8		265	8.8	15	20.1		253	39.5	17	46.4		242	2.0	19	23.5		230	21.0	20	7.6
	20	292	29.6	8	29.6	3.3	281	18.7	12	13.6	2.9	269	59.3	15	22.4	2.3	258	29.8	17	48.1	1.7	246	52.2	19	24.5	1.0	235	11.2	20	7.8
	40	297	20.3	8	32.9	3.3	286	9.3	12	16.5	2.9	274	49.8	15	24.8	2.3	263	20.2	17	49.8	1.7	251	42.5	19	25.4	1.0	240	1.5	20	8.1
6	0	302	11.1	8	36.2		290	59.9	12	19.4		279	40.2	15	27.1		268	10.5	17	51.4		256	32.8	19	26.4		244	51.8	20	8.3
	20	307	1.8	8	39.5	3.3	295	50.6	12	22.3	2.9	284	30.7	15	29.4	2.3	273	0.9	17	53.1	1.7	261	23.1	19	27.3	0.9	249	42.1	20	8.5
	40	311	52.5	8	42.8	3.3	300	41.2	12	25.1	2.9	289	21.2	15	31.7	2.3	277	51.2	17	54.8	1.7	266	13.3	19	28.3	0.9	254	32.3	20	8.7
7	0	316	43.2	8	46.1		305	31.8	12	28.0		294	11.7	15	34.0		282	41.6	17	56.4		271	3.6	19	29.2		259	22.6	20	8.8
	20	321	33.9	8	49.4	3.3	310	22.4	12	30.8	2.8	299	2.2	15	36.3	2.3	287	31.9	17	58.1	1.6	275	53.9	19	30.1	0.9	264	12.9	20	9.0
	40	326	24.6	8	52.7	3.3	315	13.0	12	33.7	2.8	303	52.7	15	38.6	2.3	292	22.3	17	59.7	1.6	280	44.1	19	31.0	0.9	269	3.1	20	9.2
8	0	331	15.4	8	55.9		320	3.7	12	36.5		308	43.1	15	40.9		297	12.6	18	1.3		285	34.4	19	31.9		273	53.4	20	9.3
	20	336	6.1	8	59.2	3.3	324	54.3	12	39.4	2.8	313	33.6	15	43.1	2.3	302	3.0	18	2.9	1.6	290	24.7	19	32.8	0.9	278	43.7	20	9.4
	40	340	56.8	9	2.5	3.3	329	44.9	12	42.2	2.8	318	24.1	15	45.4	2.3	306	53.3	18	4.5	1.6	295	15.0	19	33.7	0.9	283	34.0	20	9.6
9	0	345	47.5	9	5.7		334	35.5	12	45.0		323	14.6	15	47.7		311	43.7	18	6.1		300	5.2	19	34.6		288	24.2	20	9.7
	20	350	38.2	9	9.0	3.3	339	26.1	12	47.8	2.8	328	5.0	15	49.9	2.2	316	34.0	18	7.7	1.6	304	55.5	19	35.4	0.8	293	14.5	20	9.8
	40	355	28.9	9	12.3	3.3	344	16.7	12	50.6	2.8	332	55.5	15	52.1	2.2	321	24.4	18	9.3	1.6	309	45.8	19	36.3	0.8	298	4.8	20	9.9
10	0	0	19.6	9	15.5		349	7.3	12	53.4		337	46.0	15	54.4		326	14.7	18	10.8		314	36.0	19	37.1		302	55.1	20	10.0
	20	5	10.3	9	18.7	3.2	353	57.9	12	56.2	2.8	342	36.4	15	56.6	2.2	331	5.0	18	12.4	1.6	319	26.3	19	37.9	0.8	307	45.3	20	10.1
	40	10	1.0	9	22.0	3.2	358	48.5	12	58.9	2.8	347	26.9	15	58.8	2.2	335	55.4	18	13.9	1.6	324	16.6	19	38.8	0.8	312	35.6	20	10.1
11	0	14	51.8	9	25.2		3	39.1	13	1.7		352	17.4	16	1.0		340	45.7	18	15.5		329	6.8	19	39.6		317	25.9	20	10.2
	20	19	42.5	9	28.4	3.2	8	29.7	13	4.5	2.8	357	7.8	16	3.2	2.2	345	36.0	18	17.0	1.5	333	57.1	19	40.4	0.8	322	16.2	20	10.2
	40	24	33.2	9	31.6	3.2	13	20.3	13	7.2	2.8	1	58.3	16	5.3	2.2	350	26.4	18	18.5	1.5	338	47.4	19	41.1	0.8	327	6.5	20	10.2
12	0	29	23.9	9	34.9		18	10.9	13	10.0		6	48.7	16	7.5		355	16.7	18	20.0		343	37.6	19	41.9		331	56.7	20	10.3
	20	34	14.6	9	38.1	3.2	23	1.5	13	12.7	2.7	11	39.2	16	9.7	2.2	0	7.0	18	21.5	1.5	348	27.9	19	42.7	0.8	336	47.0	20	10.3
	40	39	5.3	9	41.3	3.2	27	52.1	13	15.5	2.7	16	29.6	16	11.8	2.2	4	57.4	18	23.0	1.5	353	18.1	19	43.4	0.8	341	37.3	20	10.3
13	0	43	56.0	9	44.5		32	42.7	13	18.2		21	20.1	16	14.0		9	47.7	18	24.4		358	8.4	19	44.2		346	27.6	20	10.3
	20	48	46.7	9	47.6	3.2	37	33.3	13	20.9	2.7	26	10.5	16	16.1	2.1	14	38.0	18	25.9	1.5	2	58.7	19	44.9	0.7	351	17.9	20	10.2
	40	53	37.4	9	50.8	3.2	42	23.9	13	23.6	2.7	31	1.0	16	18.3	2.1	19	28.3	18	27.4	1.5	7	48.9	19	45.6	0.7	356	8.2	20	10.2
14	0	58	28.1	9	54.0		47	14.5	13	26.3		35	51.4	16	20.4		24	18.7	18	28.8		12	39.2	19	46.4		0	58.4	20	10.2
	20	63	18.8	9	57.2	3.2	52	5.1	13	29.0	2.7	40	41.9	16	22.5	2.1	29	9.0	18	30.2	1.4	17	29.5	19	47.1	0.7	5	48.7	20	10.1
	40	68	9.5	10	0.3	3.2	56	55.6	13	31.7	2.7	45	32.3	16	24.6	2.1	33	59.3	18	31.7	1.4	22	19.7	19	47.7	0.7	10	39.0	20	10.1
15	0	73	0.2	10	3.5		61	46.2	13	34.4		50	22.7	16	26.7		38	49.6	18	33.1		27	10.0	19	48.4		15	29.3	20	10.0
	20	77	50.8	10	6.7	3.2	66	36.8	13	37.1	2.7	55	13.2	16	28.8	2.1	43	39.9	18	34.5	1.4	32	0.2	19	49.1	0.7	20	19.6	20	9.9
	40	82	41.5	10	9.8	3.2	71	27.4	13	39.8	2.7	60	3.6	16	30.8	2.1	48	30.2	18	35.9	1.4	36	50.5	19	49.8	0.7	25	9.9	20	9.8
16	0	87	32.2	10	13.0		76	17.9	13	42.4		64	54.0	16	3															

		13 May				14 May				15 May				16 May				17 May				18 May			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	146	7.6	20	4.1	134	35.4	19	12.1	123	14.8	17	29.9	112	7.0	15	2.4	101	9.8	11	55.1	90	17.7	8	14.5
0	20	150	57.9	20	3.7	139	25.9	19	11.0	128	5.4	17	28.2	116	57.8	15	0.0	106	0.7	11	52.3	95	8.7	8	11.2
0	40	155	48.2	20	3.4	144	16.4	19	9.9	132	56.1	17	26.4	121	48.6	14	57.7	110	51.6	11	49.4	99	59.6	8	7.9
1	0	160	38.6	20	3.0	149	6.8	19	8.8	137	46.7	17	24.7	126	39.4	14	55.3	115	42.5	11	46.5	104	50.6	8	4.6
1	20	165	28.9	20	2.6	153	57.3	19	7.7	142	37.4	17	22.9	131	30.2	14	53.0	120	33.5	11	43.7	109	41.5	8	1.4
1	40	170	19.2	20	2.2	158	47.8	19	6.6	147	28.0	17	21.1	136	21.0	14	50.6	125	24.4	11	40.8	114	32.5	7	58.1
2	0	175	9.5	20	1.8	163	38.2	19	5.4	152	18.7	17	19.3	141	11.8	14	48.2	130	15.3	11	37.9	119	23.4	7	54.8
2	20	179	59.9	20	1.3	168	28.7	19	4.3	157	9.3	17	17.5	146	2.7	14	45.8	135	6.2	11	35.0	124	14.4	7	51.5
2	40	184	50.2	20	0.9	173	19.2	19	3.1	161	60.0	17	15.7	150	53.5	14	43.4	139	57.2	11	32.1	129	5.3	7	48.2
3	0	189	40.6	20	0.5	178	9.7	19	2.0	166	50.6	17	13.9	155	44.3	14	41.0	144	48.1	11	29.2	133	56.2	7	44.9
3	20	194	30.9	20	0.0	183	0.2	19	0.8	171	41.3	17	12.0	160	35.1	14	38.6	149	39.0	11	26.3	138	47.2	7	41.6
3	40	199	21.2	19	59.5	187	50.6	18	59.6	176	32.0	17	10.2	165	26.0	14	36.2	154	30.0	11	23.4	143	38.1	7	38.2
4	0	204	11.6	19	59.1	192	41.1	18	58.4	181	22.6	17	8.4	170	16.8	14	33.8	159	20.9	11	20.5	148	29.1	7	34.9
4	20	209	1.9	19	58.6	197	31.6	18	57.2	186	13.3	17	6.5	175	7.6	14	31.3	164	11.8	11	17.5	153	20.0	7	31.6
4	40	213	52.3	19	58.1	202	22.1	18	56.0	191	4.0	17	4.6	179	58.5	14	28.9	169	2.8	11	14.6	158	10.9	7	28.3
5	0	218	42.6	19	57.6	207	12.6	18	54.8	195	54.6	17	2.8	184	49.3	14	26.4	173	53.7	11	11.7	163	1.9	7	24.9
5	20	223	33.0	19	57.1	212	3.1	18	53.6	200	45.3	17	0.9	189	40.1	14	24.0	178	44.7	11	8.7	167	52.8	7	21.6
5	40	228	23.3	19	56.5	216	53.6	18	52.3	205	36.0	16	59.0	194	31.0	14	21.5	183	35.6	11	5.8	172	43.7	7	18.2
6	0	233	13.7	19	56.0	221	44.1	18	51.1	210	26.7	16	57.1	199	21.8	14	19.1	188	26.5	11	2.8	177	34.7	7	14.9
6	20	238	4.0	19	55.4	226	34.6	18	49.8	215	17.4	16	55.2	204	12.7	14	16.6	193	17.5	10	59.9	182	25.6	7	11.5
6	40	242	54.4	19	54.9	231	25.1	18	48.6	220	8.0	16	53.3	209	3.5	14	14.1	198	8.4	10	56.9	187	16.9	7	8.2
7	0	247	44.7	19	54.3	236	15.6	18	47.3	224	58.7	16	51.4	213	54.4	14	11.6	202	59.4	10	53.9	192	7.5	7	4.8
7	20	252	35.1	19	53.7	241	6.1	18	46.0	229	49.4	16	49.4	218	45.2	14	9.1	207	50.3	10	50.9	196	58.4	7	1.4
7	40	257	25.4	19	53.2	245	56.6	18	44.7	234	40.1	16	47.5	223	36.1	14	6.6	212	41.2	10	47.9	201	49.3	6	58.1
8	0	262	15.8	19	52.6	250	47.1	18	43.4	239	30.8	16	45.5	228	26.9	14	4.1	217	32.2	10	44.9	206	40.2	6	54.7
8	20	267	6.2	19	52.0	255	37.7	18	42.1	244	21.5	16	43.6	233	17.8	14	1.6	222	23.1	10	41.9	211	31.2	6	51.3
8	40	271	56.5	19	51.3	260	28.2	18	40.8	249	12.2	16	41.6	238	8.6	13	59.0	227	14.1	10	38.9	216	22.1	6	47.9
9	0	276	46.9	19	50.7	265	18.7	18	39.4	254	2.9	16	39.6	242	59.5	13	56.5	232	5.0	10	35.9	221	13.0	6	44.5
9	20	281	37.3	19	50.1	270	9.2	18	38.1	258	53.6	16	37.7	247	50.3	13	53.9	236	56.0	10	32.9	226	3.9	6	41.1
9	40	286	27.6	19	49.4	274	59.8	18	36.7	263	44.3	16	35.7	252	41.2	13	51.4	241	46.9	10	29.9	230	54.8	6	37.7
10	0	291	18.0	19	48.8	279	50.3	18	35.4	268	35.0	16	33.7	257	32.1	13	48.8	246	37.9	10	26.8	235	45.8	6	34.3
10	20	296	8.4	19	48.1	284	40.8	18	34.0	273	25.7	16	31.7	262	22.9	13	46.3	251	28.8	10	23.8	240	36.7	6	30.9
10	40	300	58.8	19	47.4	289	31.4	18	32.6	278	16.5	16	29.6	267	13.8	13	43.7	256	19.8	10	20.8	245	27.6	6	27.5
11	0	305	49.1	19	46.7	294	21.9	18	31.2	283	7.2	16	27.6	272	4.7	13	41.1	261	10.7	10	17.7	250	18.5	6	24.1
11	20	310	39.5	19	46.0	299	12.4	18	29.8	287	57.9	16	25.6	276	55.5	13	38.5	266	1.7	10	14.7	255	9.4	6	20.6
11	40	315	29.9	19	45.3	304	3.0	18	28.4	292	48.6	16	23.5	281	46.4	13	35.9	270	52.6	10	11.6	260	0.3	6	17.2
12	0	320	20.3	19	44.6	308	53.5	18	27.0	297	39.3	16	21.5	286	37.3	13	33.3	275	43.6	10	8.5	264	51.2	6	13.8
12	20	325	10.7	19	43.9	313	44.1	18	25.6	302	30.1	16	19.4	291	28.2	13	30.7	280	34.5	10	5.5	269	42.2	6	10.3
12	40	330	1.0	19	43.1	318	34.6	18	24.1	307	20.8	16	17.4	296	19.0	13	28.1	285	25.5	10	2.4	274	33.1	6	6.9
13	0	334	51.4	19	42.4	323	25.2	18	22.7	312	11.5	16	15.3	301	9.9	13	25.5	290	16.4	9	59.3	279	24.0	6	3.5
13	20	339	41.8	19	41.6	328	15.7	18	21.3	317	2.3	16	13.2	306	0.8	13	22.9	295	7.4	9	56.2	284	14.9	6	0.0
13	40	344	32.2	19	40.8	333	6.3	18	19.8	321	53.0	16	11.1	310	51.7	13	20.2	299	58.3	9	53.1	289	5.8	5	56.5
14	0	349	22.6	19	40.1	337	56.8	18	18.3	326	43.7	16	9.0	315	42.6	13	17.6	304	49.3	9	50.0	293	56.7	5	53.1
14	20	354	13.0	19	39.3	342	47.4	18	16.8	331	34.5	16	6.9	320	33.5	13	14.9	309	40.2	9	46.9	298	47.6	5	49.6
14	40	359	3.4	19	38.5	347	38.0	18	15.3	336	25.2	16	4.8	325	24.3	13	12.3	314	31.2	9	43.8	303	38.5	5	46.2
15	0	3	53.8	19	37.7	352	28.5	18	13.8	341	16.0	16	2.7	330	15.2	13	9.6	319	22.1	9	40.7	308	29.4	5	42.7
15	20	8	44.2	19	36.8	357	19.1	18	12.3	346	6.7	16	0.6	335	6.1	13	6.9	324	13.1	9	37.6	313	20.3	5	39.2
15	40	13	34.6	19	36.0	2	9.7	18	10.8	350	57.5	15	58.4	339	57.0	13	4.3	329	4.0	9	34.4	318	11.2	5	35.7
16	0	18	25.0	19	35.2	7	0.3	18	9.3	355	48.2	15	56.3	344	47.9	13	1.6	333	55.0	9	31.3	323	2.0	5	32.2
16	20	23	15.4	19	34.3	11	50.8	18	7.8	0	39.0	15	54.1	349	38.8	12	58.9	338	45.9	9	28.2	327	52.9	5	28.8
16	40	28	5.8	19	33.5	16	41.4	18	6.2	5	29.7	15	52.0	354	29.7	12	56.2	343	36.9	9	25.0	332	43.8	5	25.3
17	0	32	56.3	19	32.6	21	32.0	18	4.7	10	20.5	15	49.8	359	20.6	12	53.5	348	27.8	9	21.9	337	34.7	5	21.8
17	20	37	46.7	19	31.7	26	22.6	18	3.1	15	11.3	15	47.6	4	11.5	12	50.8	353	18.8	9	18.7	342	25.6	5	18.3
17	40	42	37.1	19	30.8	31	13.2	18	1.5	20	2.0	15	45.4	9	2.4	12	48.0	358	9.7	9	15.5	347	16.5	5	14.8
18	0	47	27.5	19	29.9	36	3.8	17	59.9	24	52.8	15	43.2	13	53.3	12	45.3	3	0.7	9					

		19 May				20 May				21 May				22 May				23 May				24 May								
		GHA				GHA				GHA				GHA				GHA				GHA								
		Dec				Dec				Dec				Dec				Dec				Dec								
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>			
0	0	79	22.8	4	7.5	68	14.6	-0	17.7	56	41.4	-4	50.7	44	31.4	-9	18.4	31	34.8	-13	23.9	17	47.1	-16	47.4					
20		84	13.6	4	3.9	73	5.1	-0	21.4	61	31.5	-4	54.5	49	21.0	-9	22.0	36	23.7	-13	27.1	22	35.2	-16	49.8					
40		89	4.5	4	0.3	77	55.7	-0	25.2	66	21.7	-4	58.2	54	10.5	-9	25.6	41	12.5	-13	30.3	27	23.4	-16	52.3	-2.4				
1	0	93	55.3	3	56.7	82	46.3	-0	29.0	71	11.8	-5	2.0	59	0.1	-9	29.2	46	1.4	-13	33.4	32	11.5	-16	54.7					
20		98	46.1	3	53.1	87	36.8	-0	32.7	76	1.9	-5	5.8	63	49.6	-9	32.8	50	50.2	-13	36.5	36	59.6	-16	57.1	-2.4				
40		103	36.9	3	49.5	92	27.4	-0	36.5	80	52.0	-5	9.6	68	39.1	-9	36.4	55	39.0	-13	39.7	41	47.7	-16	59.4					
2	0	108	27.8	3	45.9	97	17.9	-0	40.3	85	42.1	-5	13.4	73	28.6	-9	39.9	60	27.8	-13	42.8	46	35.8	-17	1.8					
20		113	18.6	3	42.3	102	8.5	-0	44.0	90	32.2	-5	17.2	78	18.1	-9	43.5	65	16.6	-13	45.9	51	23.9	-17	4.2	-2.3				
40		118	9.4	3	38.7	106	59.0	-0	47.8	95	22.3	-5	21.0	83	7.6	-9	47.1	70	5.4	-13	49.0	56	12.0	-17	6.5					
3	0	123	0.2	3	35.1	111	49.5	-0	51.6	100	12.4	-5	24.7	87	57.1	-9	50.7	74	54.2	-13	52.1	61	0.1	-17	8.8					
20		127	51.0	3	31.5	116	40.1	-0	55.4	105	2.5	-5	28.5	92	46.5	-9	54.2	79	42.9	-13	55.2	65	48.2	-17	11.1					
40		132	41.8	3	27.9	121	30.6	-0	59.1	109	52.5	-5	32.3	97	36.0	-9	57.8	84	31.7	-13	58.3	70	36.2	-17	13.5	-2.3				
4	0	137	32.6	3	24.3	126	21.1	-1	2.9	114	42.6	-5	36.1	102	25.4	-10	1.3	89	20.4	-14	1.3	75	24.3	-17	15.7					
20		142	23.4	3	20.7	131	11.6	-1	6.7	119	32.6	-5	39.8	107	14.9	-10	4.9	94	9.2	-14	4.4	80	12.3	-17	18.0					
40		147	14.3	3	17.0	136	2.1	-1	10.5	124	22.7	-5	43.6	112	4.3	-10	8.4	98	57.9	-14	7.5	85	0.4	-17	20.3	-2.3				
5	0	152	5.0	3	13.4	140	52.6	-1	14.3	129	12.7	-5	47.4	116	53.7	-10	12.0	103	46.6	-14	10.5	89	48.4	-17	22.5					
20		156	55.8	3	9.8	145	43.1	-1	18.1	134	2.8	-5	51.1	121	43.2	-10	15.5	108	35.3	-14	13.5	94	36.4	-17	24.8					
40		161	46.6	3	6.2	150	33.6	-1	21.8	138	52.8	-5	54.9	126	32.6	-10	19.0	113	24.0	-14	16.6	99	24.4	-17	27.0					
6	0	166	37.4	3	2.5	155	24.1	-1	25.6	143	42.8	-5	58.7	131	22.0	-10	22.6	118	12.7	-14	19.6	104	12.4	-17	29.2					
20		171	28.2	2	58.9	160	14.6	-1	29.4	148	32.8	-6	2.4	136	11.3	-10	26.1	123	1.4	-14	22.6	109	0.4	-17	31.4	-2.2				
40		176	19.0	2	55.2	165	5.0	-1	33.2	153	22.0	-6	6.2	141	0.7	-10	29.6	127	50.0	-14	25.6	113	48.4	-17	33.6					
7	0	181	9.8	2	51.6	169	55.5	-1	37.0	158	12.8	-6	10.0	145	50.1	-10	33.1	132	38.7	-14	28.6	118	36.4	-17	35.8					
20		186	0.5	2	48.0	174	46.0	-1	40.8	163	2.8	-6	13.7	150	39.4	-10	36.6	137	27.3	-14	31.6	123	24.4	-17	38.0					
40		190	51.3	2	44.3	179	36.4	-1	44.6	167	52.7	-6	17.5	155	28.8	-10	40.1	142	16.0	-14	34.5	128	12.3	-17	40.1	-2.1				
8	0	195	42.1	2	40.7	184	26.9	-1	48.4	172	42.7	-6	21.2	160	18.1	-10	43.6	147	4.6	-14	37.5	133	0.3	-17	42.2					
20		200	32.8	2	37.0	189	17.3	-1	52.2	177	32.7	-6	25.0	165	7.5	-10	47.1	151	53.2	-14	40.4	137	48.2	-17	44.4	-2.1				
40		205	23.6	2	33.3	194	7.8	-1	56.0	182	22.6	-6	28.8	169	56.8	-10	50.6	156	41.8	-14	43.4	142	36.1	-17	46.5					
9	0	210	14.4	2	29.7	198	58.2	-1	59.7	187	12.6	-6	32.5	174	46.1	-10	54.1	161	30.4	-14	46.3	147	24.1	-17	48.6					
20		215	5.1	2	26.0	203	48.6	-2	3.5	192	2.5	-6	36.2	179	35.4	-10	57.5	166	19.0	-14	49.2	152	12.0	-17	50.6					
40		219	55.9	2	22.3	208	39.0	-2	7.3	196	52.4	-6	40.0	184	24.7	-11	1.0	171	7.6	-14	52.1	156	59.9	-17	52.7	-2.1				
10	0	224	46.6	2	18.7	213	29.5	-2	11.1	201	42.4	-6	43.7	189	13.9	-11	4.5	175	56.1	-14	55.0	161	47.8	-17	54.8					
20		229	37.4	2	15.0	218	19.9	-2	14.9	206	32.3	-6	47.5	194	3.2	-11	7.9	180	44.7	-14	57.9	166	35.7	-17	56.8					
40		234	28.1	2	11.3	223	10.3	-2	18.7	211	22.2	-6	51.2	198	52.5	-11	11.4	185	33.2	-15	0.8	171	23.6	-17	58.8	-2.0				
11	0	239	18.9	2	7.6	228	0.7	-2	22.5	216	12.1	-6	55.0	203	41.7	-11	14.8	190	21.8	-15	3.7	176	11.5	-18	0.8					
20		244	9.6	2	4.0	232	51.1	-2	26.3	221	2.0	-6	58.7	208	31.0	-11	18.3	195	10.3	-15	6.6	180	59.3	-18	2.8	-2.0				
40		249	0.3	2	0.3	237	41.5	-2	30.1	225	51.8	-7	2.4	213	20.2	-11	21.7	199	58.8	-15	9.4	185	47.2	-18	4.8					
12	0	253	51.0	1	56.6	242	31.8	-2	33.9	230	41.7	-7	6.1	218	9.4	-11	25.1	204	47.3	-15	12.3	190	35.1	-18	6.8					
20		258	41.8	1	52.9	247	22.2	-2	37.7	235	31.6	-7	9.9	222	58.6	-11	28.5	209	35.8	-15	15.1	195	22.9	-18	8.8					
40		263	32.5	1	49.2	252	12.6	-2	41.5	240	21.4	-7	13.6	227	47.8	-11	31.9	214	24.3	-15	17.9	200	10.7	-18	10.7	-1.9				
13	0	268	23.2	1	45.5	257	3.0	-2	45.3	245	11.3	-7	17.3	232	37.0	-11	35.4	219	12.8	-15	20.7	204	58.6	-18	12.6					
20		273	13.9	1	41.8	261	53.3	-2	49.1	250	1.1	-7	21.0	237	26.2	-11	38.8	224	1.2	-15	23.5	209	46.4	-18	14.5	-1.9				
40		278	4.6	1	38.1	266	43.7	-2	52.9	254	50.9	-7	24.8	242	15.4	-11	42.1	228	49.7	-15	26.3	214	34.0	-18	16.4					
14	0	282	55.3	1	34.4	271	34.0	-2	56.7	259	40.8	-7	28.5	247	4.5	-11	45.5	233	38.1	-15	29.1	219	22.2	-18	18.3					
20		287	46.0	1	30.7	276	24.4	-3	0.5	264	30.6	-7	32.2	251	53.7	-11	48.9	238	26.6	-15	31.9	224	9.8	-18	20.2	-1.9				
40		292	36.7	1	27.0	281	14.7	-3	4.3	269	20.4	-7	35.9	256	42.8	-11	52.3	243	15.0	-15	34.6	228	57.							

			25 May				26 May				27 May				28 May				29 May				30 May																																										
GHA			Dec				GHA				Dec				GHA				Dec				GHA				Dec																																						
<i>h</i>	<i>m</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>																																				
0	0	3	13.0	-19	8.1	348	9.3	-20	9.2	333	2.0	-19	43.0	318	17.9	-17	53.5	304	16.3	-14	54.7	291	4.3	-11	5.8	337	49.5	-19	42.0	323	5.9	-17	51.5	309	4.9	-14	51.9	295	53.7	-11	2.4	342	37.0	-19	41.0	327	53.9	-17	49.4	313	53.6	-14	49.0	300	43.0	-10	58.9								
20	8	0.6	287.6	-19	9.5	352	56.7	-20	9.4	337	49.5	-19	42.0	323	5.9	-17	51.5	309	4.9	-14	51.9	295	53.7	-11	2.4	342	37.0	-19	41.0	327	53.9	-17	49.4	313	53.6	-14	49.0	300	43.0	-10	58.9																								
40	12	48.2	287.6	-19	10.9	357	44.0	-20	9.6	342	37.0	-19	41.0	327	53.9	-17	49.4	313	53.6	-14	49.0	300	43.0	-10	58.9	357	44.0	-20	9.6	342	37.0	-19	41.0	327	53.9	-17	49.4	313	53.6	-14	49.0	300	43.0	-10	58.9																				
1	0	17	35.8	-19	12.3	2	31.4	-20	9.8	347	24.5	-19	40.0	332	41.9	-17	47.3	318	42.3	-14	46.1	305	32.4	-10	55.5	7	18.8	-20	10.0	352	12.0	-19	39.0	337	29.9	-17	45.2	323	31.0	-14	43.2	310	21.7	-10	52.0	12	6.1	-20	10.2	356	59.6	-19	37.9	342	18.0	-17	43.1	328	19.7	-14	40.2	315	11.1	-10	48.6
20	22	23.4	287.6	-19	13.7	7	18.8	-20	10.0	352	12.0	-19	39.0	337	29.9	-17	45.2	323	31.0	-14	43.2	310	21.7	-10	52.0	27	10.9	-19	15.0	356	59.6	-19	37.9	342	18.0	-17	43.1	328	19.7	-14	40.2	315	11.1	-10	48.6																				
40	27	10.9	287.6	-19	15.0	12	6.1	-20	10.2	356	59.6	-19	37.9	342	18.0	-17	43.1	328	19.7	-14	40.2	315	11.1	-10	48.6	31	58.5	-19	16.4	352	12.0	-19	39.0	337	29.9	-17	45.2	323	31.0	-14	43.2	310	21.7	-10	52.0																				
2	0	31	58.5	-19	16.4	16	53.5	-20	10.3	347	6.0	-19	36.9	347	6.0	-17	41.0	333	8.4	-14	37.3	320	0.5	-10	45.1	21	40.8	-20	10.5	351	54.0	-17	38.9	337	57.1	-14	34.4	324	49.9	-10	41.6	26	28.2	-20	10.6	356	42.1	-17	36.7	342	45.8	-14	31.4	329	39.3	-10	38.2								
20	36	46.1	287.6	-19	17.7	21	40.8	-20	10.5	351	54.0	-17	38.9	337	57.1	-14	34.4	324	49.9	-10	41.6	320	0.5	-10	45.1	41	33.6	-19	19.0	356	42.1	-17	36.7	342	45.8	-14	31.4	329	39.3	-10	38.2																								
40	41	33.6	287.6	-19	19.0	26	28.2	-20	10.6	356	42.1	-17	36.7	342	45.8	-14	31.4	329	39.3	-10	38.2	320	0.5	-10	45.1	46	21.2	-19	20.3	352	12.0	-19	39.0	337	29.9	-17	45.2	323	31.0	-14	43.2	310	21.7	-10	52.0																				
3	0	46	21.2	-19	20.3	31	15.5	-20	10.7	347	16.9	-19	33.6	347	16.9	-17	34.6	334	34.5	-14	28.5	334	28.7	-10	34.7	36	2.9	-20	10.8	352	12.0	-19	39.0	337	29.9	-17	45.2	323	31.0	-14	43.2	310	21.7	-10	52.0																				
20	51	8.7	287.5	-19	21.6	36	2.9	-20	10.8	352	12.0	-19	39.0	337	29.9	-17	45.2	323	31.0	-14	43.2	310	21.7	-10	52.0	55	56.3	-19	22.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7																									
40	55	56.3	287.5	-19	22.9	40	50.2	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	289.4	-10	27.7	334	28.7	-10	34.7	59	59.7	-20	11.0	364	47.0	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7																					
4	0	60	43.8	-19	24.1	45	37.6	-20	10.9	347	30.2	-19	30.2	347	30.2	-17	28.0	338	0.8	-14	19.5	348	57.1	-10	24.2	64	47.0	-20	10.9	359	54.9	-17	19.1	348	57.1	-10	24.2	348	57.1	-10	24.2																								
20	65	31.4	287.5	-19	25.4	50	24.9	-20	10.9	359	54.9	-17	19.1	348	57.1	-10	24.2	348	57.1	-10	24.2	348	57.1	-10	24.2	70	18.9	-19	26.6	364	47.0	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7																					
40	70	18.9	287.5	-19	26.6	55	12.3	-20	11.0	364	47.0	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7	75	6.4	-19	27.8	369	34.0	-20	10.9	364	47.0	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7																		
5	0	75	6.4	-19	27.8	59	59.7	-20	11.0	369	34.0	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7	84	41.4	-19	30.2	374	21.7	-20	10.9	369	34.0	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7																		
20	79	53.9	287.5	-19	29.0	64	47.0	-20	10.9	369	34.0	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7	89	28.9	-19	31.3	379	9.1	-20	10.8	374	21.7	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7																		
40	84	41.4	287.5	-19	30.2	69	34.0	-20	10.9	374	21.7	-20	10.9	357	12.0	-14	22.5	344	7.6	-289.4	289.4	289.4	-10	27.7	94	16.5	-19	32.4	379	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8																	
6	0	89	28.9	-19	31.3	74	21.7	-20	10.9	379	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8	99	4.0	-19	33.6	383	56.4	-20	10.7	383	56.4	-20	10.7	383	56.4	-20	10.7	383	56.4	-20	10.7																				
20	94	16.5	287.5	-19	32.4	79	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8	379	9.1	-20	10.8	103	51.0	-19	34.7	388	43.8	-20	10.6	388	43.8	-20	10.6	388	43.8	-20	10.6	388	43.8	-20	10.6																				
40	99	4.0	287.5	-19	33.6	83	56.4	-20	10.7	383	56.4	-20	10.7	383	56.4	-20	10.7	383	56.4	-20	10.7	383	56.4	-20	10.7	108	38.9	-19	35.8	393	31.2	-20	10.5	393	31.2	-20	10.5	393	31.2	-20	10.5	393	31.2	-20	10.5																				
7	0	103	51.0	-19	34.7	88	43.8	-20	10.6	388	43.8	-20	10.6	388	43.8	-20	10.6	388	43.8	-20	10.6	388	43.8	-20	10.6	113	26.4	-19	36.8	398	18.5	-20	10.3	398	18.5	-20	10.3	398	18.5	-20	10.3	398	18.5	-20	10.3																				
20	108	38.9	287.5	-19	35.8	93	31.2	-20	10.5	393	31.2	-20	10.5	393	31.2	-20	10.5	393	31.2	-20	10.5	393	31.2	-20	10.5	118	13.9	-19	37.9	403	5.9	-20	10.2	403	5.9	-20	10.2	403	5.9	-20	10.2	403	5.9	-20	10.2																				
40	113	26.4	287.5	-19	36.8	98	18.5	-20	10.3	398	18.5	-20	10.3	398	18.5	-20	10.3	398	18.5	-20	10.3	398	18.5	-20	10.3	123	1.4	-19	38.9	407	53.2	-20	10.0	407	53.2	-20	10.0	407	53.2	-20	10.0	407	53.2	-20	10.0																				
8	0	118	13.9	-19	37.9	103	5.9	-20	10.2	403	5.9	-20	10.2	403	5.9	-20	10.2	403	5.9	-20	10.2	403	5.9	-20	10.2	127	48.9	-19	40.0	412	40.6	-20	9.8	412	40.6	-20	9.8	412	40.6	-20	9.8	412	40.6	-20	9.8																				
20	123	1.4	287.5	-19	38.9	107	53.2	-20	10.0	407	53.2	-20	10.0	407	53.2	-20	10.0	407	53.2	-20	10.0	407	53.2	-20	10.0	132	36.3	-19	41.0	417	28.0	-20	9.6	417	28.0	-20	9.6	417	28.0	-20	9.6	417	28.0	-20	9.6																				
40	127	48.9	287.5	-19	40.0	112	40.6	-20	9.8	412	40.6	-20	9.8	412	40.6	-20	9.8	412	40.6	-20	9.8	412	40.6	-20	9.8	137	23.8	-19	42.0	422	15.3	-20	9.4	422	15.3	-20	9.4	422	15.3	-20	9.4	422	15.3	-20	9.4																				
9	0	132	36.3	-19	41.0	117	28.0	-20	9.6	417	28.0	-20	9.6	417	28.0	-20	9.6	417	28.0	-20	9.6	417	28.0	-20	9.6	142	11.3	-19	42.9	427	2.7	-20	9.2	427	2.7	-20	9.2	427	2.7	-20	9.2	427	2.7	-20	9.2																				
20	137	23.8	287.5	-19	42.0	122	15.3	-20	9.4	422	15.3	-20	9.4	422	15.3	-20	9.4	422	15.3	-20	9.4	422	15.3	-20	9.4	146	58.7	-19	43.9	431	50.1	-20	8.9	431	50.1	-20	8.9	431	50.1	-20	8.9	431	50.1	-20	8.9																				
40	142	11.3	287.5	-19	42.9	127	2.7	-20	9.2	427	2.7	-20	9.2	427	2.7	-20	9.2	427	2.7	-20	9.2	427	2.7	-20	9.2	151	46.2	-19	44.8	436	37.5	-20	8.6	436	37.5	-20	8.6	436	37.5	-20	8.6	436	37.5	-20	8.																				

		31 May				1 Jun				2 Jun				3 Jun				4 Jun				5 Jun			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	278	39.0	-6	46.3	266	51.2	-2	13.6	255	29.0	2	18.1	244	20.6	6	37.1	233	15.7	10	33.4	222	6.3	13	58.4
20		283	29.0	-6	42.6	271	41.6	-2	9.8	260	19.6	2	21.8	249	11.3	6	40.6	238	6.4	10	36.5	226	57.0	14	1.0
40		288	18.9	-6	38.9	276	31.9	-2	6.0	265	10.3	2	25.5	254	2.1	6	44.0	242	57.2	10	39.6	231	47.6	14	3.6
1	0	293	8.9	-6	35.1	281	22.3	-2	2.2	270	0.9	2	29.2	258	52.9	6	47.5	247	47.9	10	42.6	236	38.3	14	6.2
20		297	58.8	-6	31.4	286	12.7	-1	58.4	274	51.6	2	32.9	263	43.6	6	50.9	252	38.7	10	45.7	241	28.9	14	8.8
40		302	48.8	-6	27.7	291	3.1	-1	54.5	279	42.2	2	36.6	268	34.4	6	54.3	257	29.4	10	48.8	246	19.6	14	11.3
2	0	307	38.8	-6	23.9	295	53.5	-1	50.7	284	32.9	2	40.3	273	25.2	6	57.8	262	20.2	10	51.8	251	10.2	14	13.9
20		312	28.8	-6	20.2	300	43.9	-1	46.9	289	23.5	2	44.0	278	15.9	7	1.2	267	10.9	10	54.9	256	0.8	14	16.4
40		317	18.7	-6	16.4	305	34.3	-1	43.1	294	14.2	2	47.7	283	6.7	7	4.6	272	1.6	10	57.9	260	51.5	14	18.9
3	0	322	8.7	-6	12.7	310	24.7	-1	39.3	299	4.9	2	51.4	287	57.5	7	8.1	276	52.4	11	0.9	265	42.1	14	21.5
20		326	58.7	-6	8.9	315	15.2	-1	35.5	303	55.6	2	55.1	292	48.2	7	11.5	281	43.1	11	4.0	270	32.7	14	24.0
40		331	48.7	-6	5.1	320	5.6	-1	31.7	308	46.2	2	58.8	297	39.0	7	14.9	286	33.9	11	7.0	275	23.4	14	26.5
4	0	336	38.8	-6	1.4	324	56.0	-1	27.9	313	36.9	3	2.5	302	29.8	7	18.3	291	24.6	11	10.0	280	14.0	14	29.0
20		341	28.8	-5	57.6	329	46.5	-1	24.1	318	27.6	3	6.1	307	20.5	7	21.7	296	15.3	11	13.0	285	4.6	14	31.5
40		346	18.8	-5	53.9	334	36.9	-1	20.3	323	18.3	3	9.8	312	11.3	7	25.1	301	6.1	11	16.0	289	55.2	14	34.0
5	0	351	8.9	-5	50.1	339	27.3	-1	16.5	328	8.9	3	13.5	317	2.1	7	28.5	305	56.8	11	19.0	294	45.8	14	36.5
20		355	58.9	-5	46.3	344	17.8	-1	12.7	332	59.6	3	17.1	321	52.8	7	31.9	310	47.5	11	22.0	299	36.5	14	39.0
40		360	48.9	-5	42.6	349	8.2	-1	8.9	337	50.3	3	20.8	326	43.6	7	35.3	315	38.3	11	25.0	304	27.1	14	41.4
6	0	5	39.0	-5	38.8	353	58.7	-1	5.1	342	41.0	3	24.5	331	34.4	7	38.7	320	29.0	11	27.9	309	17.7	14	43.9
20		10	29.1	-5	35.0	358	49.2	-1	1.3	347	31.7	3	28.1	336	25.1	7	42.0	325	19.7	11	30.9	314	8.3	14	46.3
40		15	19.1	-5	31.2	3	39.6	-0	57.5	352	22.4	3	31.8	341	15.9	7	45.4	330	10.5	11	33.9	318	58.9	14	48.8
7	0	20	9.2	-5	27.5	8	30.1	-0	53.7	357	13.1	3	35.4	346	6.7	7	48.8	335	1.2	11	36.8	323	49.5	14	51.2
20		24	59.3	-5	23.7	13	20.6	-0	49.9	2	3.8	3	39.1	350	57.5	7	52.1	339	51.9	11	39.8	328	40.1	14	53.6
40		29	49.4	-5	19.9	18	11.0	-0	46.1	6	54.5	3	42.7	355	48.2	7	55.5	344	42.6	11	42.7	333	30.7	14	56.1
8	0	34	39.5	-5	16.1	23	1.5	-0	42.3	11	45.2	3	46.4	0	39.0	7	58.8	349	33.4	11	45.6	338	21.3	14	58.5
20		39	29.6	-5	12.4	27	52.0	-0	38.5	16	35.9	3	50.0	5	29.8	8	2.2	354	24.1	11	48.6	343	11.9	15	0.9
40		44	19.7	-5	8.6	32	42.5	-0	34.7	21	26.6	3	53.7	10	20.5	8	5.5	359	14.8	11	51.5	348	2.5	15	3.3
9	0	49	9.8	-5	4.8	37	33.0	-0	30.9	26	17.3	3	57.3	15	11.3	8	8.9	4	5.5	11	54.4	352	53.1	15	5.7
20		53	59.9	-5	1.0	42	23.5	-0	27.1	31	8.0	4	0.9	20	2.1	8	12.2	8	56.2	11	57.3	357	43.7	15	8.0
40		58	50.1	-4	57.2	47	14.0	-0	23.3	35	58.7	4	4.6	24	52.9	8	15.5	13	47.0	12	0.2	2	34.3	15	10.4
10	0	63	40.2	-4	53.4	52	4.5	-0	19.5	40	49.4	4	8.2	29	43.6	8	18.8	18	37.7	12	3.1	7	24.9	15	12.8
20		68	30.3	-4	49.6	56	55.0	-0	15.7	45	40.1	4	11.8	34	34.4	8	22.2	23	28.4	12	6.0	12	15.5	15	15.1
40		73	20.5	-4	45.8	61	45.5	-0	12.0	50	30.8	4	15.4	39	25.2	8	25.5	28	19.1	12	8.9	17	6.1	15	17.5
11	0	78	10.6	-4	42.0	66	36.0	-0	8.2	55	21.6	4	19.0	44	15.9	8	28.8	33	9.8	12	11.8	21	56.7	15	19.8
20		83	0.8	-4	38.3	71	26.6	-0	4.4	60	12.3	4	22.6	49	6.7	8	32.1	38	0.5	12	14.6	26	47.3	15	22.1
40		87	51.0	-4	34.5	76	17.1	-0	0.6	65	3.0	4	26.3	53	57.5	8	35.4	42	51.2	12	17.5	31	37.8	15	24.5
12	0	92	41.1	-4	30.7	81	7.6	0	3.2	69	53.7	4	29.9	58	48.2	8	38.7	47	41.9	12	20.4	36	28.4	15	26.8
20		97	31.3	-4	26.9	85	58.2	0	7.0	74	44.5	4	33.5	63	39.0	8	41.9	52	32.6	12	23.2	41	19.0	15	29.1
40		102	21.5	-4	23.1	90	48.7	0	10.7	79	35.2	4	37.1	68	29.8	8	45.2	57	23.4	12	26.0	46	9.6	15	31.4
13	0	107	11.7	-4	19.3	95	39.2	0	14.5	84	25.9	4	40.6	73	20.6	8	48.5	62	14.1	12	28.9	51	0.1	15	33.7
20		112	1.9	-4	15.5	100	29.8	0	18.3	89	16.6	4	44.2	78	11.1	8	51.8	67	4.8	12	31.7	55	50.7	15	35.9
40		116	52.1	-4	11.7	105	20.3	0	22.1	94	7.4	4	47.8	83	2.1	8	55.0	71	55.5	12	34.5	60	41.3	15	38.2
14	0	121	42.3	-4	7.9	110	10.9	0	25.8	98	58.1	4	51.4	87	52.9	8	58.3	76	46.2	12	37.3	65	31.8	15	40.5
20		126	32.5	-4	4.1	115	1.4	0	29.6	103	48.8	4	55.0	92	43.6	9	1.5	81	36.9	12	40.1	70	22.4	15	42.7
40		131	22.7	-4	0.3	119	52.0	0	33.4	108	39.6	4	58.6	97	34.4	9	4.8	86	27.5	12	42.9	75	13.0	15	45.0
15	0	136	13.0	-3	56.5	124	42.6	0	37.1	113	30.3	5	2.1	102	25.2	9	8.0	91	18.2	12	45.7	80	3.5	15	47.2
20		141	3.2	-3	52.7	129	33.1	0	40.9	118	21.0	5	5.7	107	15.9	9	11.3	96	8.9	12	48.5	84	54.1	15	49.4
40		145	53.4	-3	48.8	134	23.7	0	44.7	123	11.8	5	9.3	112	6.7	9	14.5	100	59.6	12	51.3	89	44.6	15	51.7
16	0	150	43.7	-3	45.0	139	14.3	0	48.4	128	2.5	5	12.8	116	57.5	9	17.7	105	50.3	12	54.1	94	35.2	15	53.9
20		155	33.9	-3	41.2	144	4.8	0	52.2	132	53.3	5	16.4	121	48.2	9	20.9	110	41.0	12	56.8	99	25.7	15	56.1
40		160	24.2	-3	37.4	148	55.4	0	56.0	137	44.0	5	19.9	126	39.0	9	24.2	115	31.7	12	59.6	104	16.3	15	58.3
17	0	165	14.4	-3	33.6	153	46.0	0	59.7	142	34.7	5	23.5	131	29.8	9	27.4	120	22.4	13	2.4	109	6.8	16	0.5
20		170	4.7	-3	29.8	158	36.6	1	3.5	147	25.5	5	27.0	136	20.5	9	30.6	125	13.1	13	5.1	113	57.4	16	2.7
40		174	55.0	-3	26.0	163	27.2	1	7.2	152	16.2	5	30.6	141	11.3	9	33.8	130	3.7	13	7.8	118	47.9	16	4.8
18	0	179	45.3	-3	22.2	168	17.8	1	11.0	157	7.0	5	34.1	146	2.1	9	37.0	134	54.4	13	10.6	123	38.5	16	7.0
20		184	35.5	-3	18.4	173	8.4	1	14.7	161	57.7	5	37.6	150	52.8	9	40.1	139	45.1	13	13.3	128	29.5	16	9.1
40		189	25.8	-3	14.6	177	59.0	1	18.5</																

		6 Jun				7 Jun				8 Jun				9 Jun				10 Jun				11 Jun			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	210	47.9	16	44.4	199	19.1	18	44.8	187	42.5	19	54.6	176	3.6	20	11.0	164	28.8	19	33.7	153	4.1	18	5.3
0	20	215	38.4	16	46.4	204	9.5	18	46.2	192	32.8	19	55.2	180	53.9	20	10.8	169	19.2	19	32.9	157	54.7	18	3.7
0	40	220	28.9	16	48.4	208	59.8	18	47.5	197	23.1	19	55.8	185	44.2	20	10.7	174	9.6	19	32.0	162	45.3	18	2.1
1	0	225	19.4	16	50.4	213	50.2	18	48.8	202	13.4	19	56.4	190	34.5	20	10.5	179	0.0	19	31.0	167	35.8	18	0.5
1	20	230	9.9	16	52.4	218	40.6	18	50.1	207	3.7	19	56.9	195	24.8	20	10.3	183	50.4	19	30.1	172	26.4	17	58.9
1	40	235	0.4	16	54.3	223	30.9	18	51.4	211	54.0	19	57.5	200	15.1	20	10.1	188	40.8	19	29.2	177	17.0	17	57.3
2	0	239	50.8	16	56.3	228	21.3	18	52.6	216	44.3	19	58.0	205	5.4	20	9.9	193	31.3	19	28.3	182	7.6	17	55.7
2	20	244	41.3	16	58.2	233	11.6	18	53.9	221	34.6	19	58.6	209	55.7	20	9.7	198	21.7	19	27.3	186	58.2	17	54.1
2	40	249	31.8	17	0.2	238	2.0	18	55.2	226	24.9	19	59.1	214	46.0	20	9.5	203	12.1	19	26.4	191	48.8	17	52.5
3	0	254	22.3	17	2.1	242	52.4	18	56.4	231	15.2	19	59.6	219	36.4	20	9.2	208	2.5	19	25.4	196	39.4	17	50.8
3	20	259	12.8	17	4.0	247	42.7	18	57.6	236	5.5	20	0.1	224	26.7	20	9.0	212	53.0	19	24.4	201	30.0	17	49.2
3	40	264	3.3	17	5.9	252	33.1	18	58.9	240	55.8	20	0.6	229	17.0	20	8.7	217	43.4	19	23.4	206	20.6	17	47.5
4	0	268	53.8	17	7.8	257	23.4	19	0.1	245	46.0	20	1.1	234	7.3	20	8.5	222	33.8	19	22.5	211	11.3	17	45.9
4	20	273	44.2	17	9.7	262	13.8	19	1.3	250	36.3	20	1.5	238	57.6	20	8.2	227	24.3	19	21.4	216	1.9	17	44.2
4	40	278	34.7	17	11.6	267	4.1	19	2.5	255	26.6	20	2.0	243	47.9	20	7.9	232	14.7	19	20.4	220	52.5	17	42.5
5	0	283	25.2	17	13.5	271	54.5	19	3.7	260	16.9	20	2.5	248	38.3	20	7.6	237	5.1	19	19.4	225	43.1	17	40.8
5	20	288	15.7	17	15.3	276	44.8	19	4.8	265	7.2	20	2.9	253	28.6	20	7.3	241	55.6	19	18.4	230	33.7	17	39.1
5	40	293	6.1	17	17.2	281	35.2	19	6.0	269	57.5	20	3.3	258	18.9	20	7.0	246	46.0	19	17.3	235	24.4	17	37.4
6	0	297	56.6	17	19.0	286	25.5	19	7.2	274	47.8	20	3.8	263	9.2	20	6.6	251	36.5	19	16.3	240	15.0	17	35.7
6	20	302	47.1	17	20.9	291	15.9	19	8.3	279	38.1	20	4.2	267	59.5	20	6.3	256	26.9	19	15.2	245	5.6	17	33.9
6	40	307	37.5	17	22.9	296	6.2	19	9.4	284	28.4	20	4.6	272	49.9	20	5.9	261	17.4	19	14.1	249	56.3	17	32.2
7	0	312	28.0	17	24.5	300	56.5	19	10.6	289	18.6	20	5.0	277	40.2	20	5.6	266	7.8	19	13.1	254	46.9	17	30.4
7	20	317	18.4	17	26.3	305	46.9	19	11.7	294	8.9	20	5.3	282	30.5	20	5.2	270	58.3	19	12.0	259	37.5	17	28.7
7	40	322	8.9	17	28.1	310	37.2	19	12.8	298	59.2	20	5.7	287	20.8	20	4.8	275	48.7	19	10.9	264	28.2	17	26.9
8	0	326	59.4	17	29.9	315	27.6	19	13.9	303	49.5	20	6.1	292	11.2	20	4.4	280	39.2	19	9.8	269	18.8	17	25.1
8	20	331	49.8	17	31.7	320	17.9	19	15.0	308	39.8	20	6.4	297	1.5	20	4.0	285	29.6	19	8.6	274	9.5	17	23.4
8	40	336	40.3	17	33.5	325	8.2	19	16.1	313	30.1	20	6.7	301	51.8	20	3.6	290	20.1	19	7.5	279	0.1	17	21.6
9	0	341	30.7	17	35.2	329	58.6	19	17.1	318	20.4	20	7.1	306	42.2	20	3.2	295	10.6	19	6.4	283	50.8	17	19.8
9	20	346	21.2	17	37.0	334	48.9	19	18.2	323	10.7	20	7.4	311	32.5	20	2.8	300	1.0	19	5.2	288	41.4	17	18.0
9	40	351	11.6	17	38.7	339	39.2	19	19.2	328	0.9	20	7.7	316	22.8	20	2.3	304	51.5	19	4.1	293	32.1	17	16.2
10	0	356	2.1	17	40.5	344	29.6	19	20.3	332	51.2	20	8.0	321	13.2	20	1.9	309	42.0	19	2.9	298	22.8	17	14.3
10	20	0	52.5	17	42.2	349	19.9	19	21.3	337	41.5	20	8.3	326	3.5	20	1.4	314	32.5	19	1.7	303	13.4	17	12.5
10	40	5	42.9	17	43.9	354	10.2	19	22.3	342	31.8	20	8.5	330	53.9	20	1.0	319	22.9	19	0.5	308	4.1	17	10.6
11	0	10	33.4	17	45.6	359	0.5	19	23.3	347	22.1	20	8.8	335	44.2	20	0.5	324	13.4	18	59.3	312	54.8	17	8.8
11	20	15	23.8	17	47.3	3	50.9	19	24.3	352	12.4	20	9.1	340	34.5	20	0.0	329	3.9	18	58.1	317	45.4	17	6.9
11	40	20	14.2	17	49.0	8	41.1	19	25.3	357	2.7	20	9.3	345	24.9	19	59.5	333	54.4	18	56.9	322	36.1	17	5.1
12	0	25	4.7	17	50.7	13	31.5	19	26.3	1	53.0	20	9.5	350	15.2	19	59.0	338	44.9	18	55.7	327	26.8	17	3.2
12	20	29	55.1	17	52.4	18	21.8	19	27.2	6	43.2	20	9.8	355	5.6	19	58.4	343	35.4	18	54.4	332	17.5	17	1.3
12	40	34	45.5	17	54.0	23	12.1	19	28.2	11	33.5	20	10.0	359	55.9	19	57.9	348	25.9	18	53.2	337	8.1	16	59.4
13	0	39	36.0	17	55.7	28	2.5	19	29.1	16	23.8	20	10.2	4	46.3	19	57.4	353	16.4	18	51.9	341	58.8	16	57.5
13	20	44	26.4	17	57.3	32	52.8	19	30.1	21	14.1	20	10.4	9	36.6	19	56.8	358	6.8	18	50.7	346	49.5	16	55.6
13	40	49	16.8	17	59.0	37	43.1	19	31.0	26	4.4	20	10.5	14	27.0	19	56.2	2	57.3	18	49.4	351	40.2	16	53.7
14	0	54	7.2	18	0.6	42	33.4	19	31.9	30	54.7	20	10.7	19	17.3	19	55.7	7	47.8	18	48.1	356	30.9	16	51.8
14	20	58	57.7	18	2.2	47	23.7	19	32.8	35	45.0	20	10.9	24	7.7	19	55.1	12	38.4	18	46.8	1	21.6	16	49.8
14	40	63	48.1	18	3.8	52	14.1	19	33.7	40	35.3	20	11.0	28	58.1	19	54.5	17	28.9	18	45.5	6	12.3	16	47.9
15	0	68	38.5	18	5.4	57	4.4	19	34.6	45	25.6	20	11.2	33	48.4	19	53.9	22	19.4	18	44.2	11	3.0	16	45.9
15	20	73	28.9	18	7.0	61	54.7	19	35.5	50	15.8	20	11.3	38	38.8	19	53.3	27	9.9	18	42.9	15	53.7	16	44.0
15	40	78	19.3	18	8.5	66	45.0	19	36.3	55	6.1	20	11.4	43	29.1	19	52.6	32	0.4	18	41.6	20	44.4	16	42.0
16	0	83	9.7	18	10.1	71	35.3	19	37.2	59	56.4	20	11.5	48	19.5	19	52.0	36	50.9	18	40.2	25	35.1	16	40.0
16	20	88	0.1	18	11.7	76	25.6	19	38.0	64	46.7	20	11.6	53	9.9	19	51.4	41	41.4	18	38.9	30	25.9	16	38.0
16	40	92	50.6	18	13.2	81	15.9	19	38.9	69	37.0	20	11.7	58	0.2	19	50.7	46	32.0	18	37.5	35	16.6	16	36.0
17	0	97	41.0	18	14.8	86	6.2	19	39.7	74	27.3	20	11.8	62	50.6	19	50.0	51	22.5	18	36.1	40	7.3	16	34.0
17	20	102	31.4	18	16.3	90	56.5	19	40.5	79	17.6	20	11.8	67	41.0	19	49.4	56	13.0	18	34.8	44	58.0	16	32.0
17	40	107	21.8	18	17.8	95	46.8	19	41.3	84	7.9	20	11.9	72	31.4	19	48.7	61	3.5	18	33.4	49	48.8	16	30.0
18	0	112	12.2	18	19.3	100	37.2	19	42.1	88	58.2	20	11.9	77	21.7	19	48.0	65	54.1	18	32.0	54	39.5	16	28.0

			12 Jun				13 Jun				14 Jun				15 Jun				16 Jun				17 Jun			
			GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>	<i>d</i>	<i>d'</i>		
0	0	141	53.1	15	50.1	130	55.9	12	54.3	120	9.3	9	24.6	109	26.6	5	28.3	98	38.7	1	13.4	87	34.5	-3	11.3	
20		146	43.9	15	48.0	135	46.9	12	51.6	125	0.4	9	21.4	114	17.7	5	24.9	103	29.7	1	9.8	92	25.1	-3	15.0	
40		151	34.6	15	45.8	140	37.9	12	48.9	129	51.4	9	18.3	119	8.8	5	21.4	108	20.6	1	6.1	97	15.7	-3	18.7	
1	0	156	25.4	15	43.6	145	28.8	12	46.2	134	42.5	9	15.2	123	59.8	5	18.0	113	11.5	1	2.5	102	6.3	-3	22.4	
20		161	16.2	15	41.4	150	19.8	12	43.5	139	33.6	9	12.1	128	50.9	5	14.6	118	2.4	0	58.9	106	56.9	-3	26.1	
40		166	7.0	15	39.2	155	10.7	12	40.7	144	24.6	9	8.9	133	41.9	5	11.1	122	53.3	0	55.2	111	47.5	-3	29.8	
2	0	170	57.8	15	36.9	160	1.7	12	38.0	149	15.7	9	5.8	138	33.0	5	7.7	127	44.2	0	51.6	116	38.0	-3	33.5	
20		175	48.6	15	34.7	164	52.7	12	35.3	154	6.8	9	2.6	143	24.0	5	4.2	132	35.1	0	47.9	121	28.6	-3	37.2	
40		180	39.4	15	32.5	169	43.7	12	32.5	158	57.8	8	59.5	148	15.1	5	0.8	137	26.0	0	44.3	126	19.2	-3	40.9	
3	0	185	30.2	15	30.2	174	34.6	12	29.8	163	48.9	8	56.3	153	6.1	4	57.3	142	16.9	0	40.6	131	9.7	-3	44.6	
20		190	21.0	15	28.0	179	25.6	12	27.0	168	40.0	8	53.2	157	57.2	4	53.8	147	7.7	0	37.0	136	0.3	-3	48.3	
40		195	11.8	15	25.7	184	16.6	12	24.3	173	31.1	8	50.0	162	48.2	4	50.4	151	58.6	0	33.3	140	50.8	-3	52.0	
4	0	200	2.6	15	23.5	189	7.6	12	21.5	178	22.1	8	46.8	167	39.3	4	46.9	156	49.5	0	29.7	145	41.3	-3	55.7	
20		204	53.5	15	21.2	193	58.6	12	18.7	183	13.2	8	43.7	172	30.3	4	43.4	161	40.4	0	26.0	150	31.9	-3	59.4	
40		209	44.3	15	18.9	198	49.5	12	15.9	188	4.3	8	40.5	177	21.4	4	39.9	166	31.2	0	22.4	155	22.4	-4	3.1	
5	0	214	35.1	15	16.6	203	40.5	12	13.1	192	55.4	8	37.3	182	12.4	4	36.5	171	22.1	0	18.7	160	12.9	-4	6.8	
20		219	25.9	15	14.3	208	31.5	12	10.4	197	46.4	8	34.1	187	3.5	4	33.0	176	13.0	0	15.1	165	3.4	-4	10.4	
40		224	16.7	15	12.0	213	22.5	12	7.6	202	37.5	8	30.9	191	54.5	4	29.5	181	3.8	0	11.4	169	53.9	-4	14.1	
6	0	229	7.6	15	9.7	218	13.5	12	4.7	207	28.6	8	27.7	196	45.6	4	26.0	185	54.7	0	7.8	174	44.4	-4	17.8	
20		233	58.4	15	7.4	223	4.5	12	1.9	212	19.7	8	24.5	201	36.6	4	22.5	190	45.5	0	4.1	179	34.9	-4	21.5	
40		238	49.2	15	5.1	227	55.5	11	59.1	217	10.7	8	21.3	206	27.6	4	19.0	195	36.4	0	0.4	184	25.4	-4	25.2	
7	0	243	40.1	15	2.8	232	46.5	11	56.3	222	1.8	8	18.1	211	18.7	4	15.5	200	27.2	-0	3.2	189	15.9	-4	28.9	
20		248	30.9	15	0.4	237	37.5	11	53.5	226	52.9	8	14.8	216	9.7	4	12.0	205	18.1	-0	6.9	194	6.4	-4	32.6	
40		253	21.7	14	58.1	242	28.5	11	50.6	231	44.0	8	11.6	221	0.7	4	8.5	210	8.9	-0	10.6	198	56.9	-4	36.3	
8	0	258	12.6	14	55.7	247	19.5	11	47.8	236	35.0	8	8.4	225	51.8	4	5.0	214	59.7	-0	14.2	203	47.3	-4	40.0	
20		263	3.4	14	53.3	252	10.5	11	44.9	241	26.1	8	5.2	230	42.8	4	1.5	219	50.6	-0	17.9	208	37.8	-4	43.6	
40		267	54.3	14	51.0	257	1.5	11	42.1	246	17.2	8	1.9	235	33.8	3	58.0	224	41.4	-0	21.6	213	28.2	-4	47.3	
9	0	272	45.1	14	48.6	261	52.5	11	39.2	251	8.3	7	58.7	240	24.8	3	54.5	229	32.2	-0	25.3	218	18.7	-4	51.0	
20		277	36.0	14	46.2	266	43.5	11	36.4	255	59.4	7	55.4	245	15.9	3	50.9	234	23.0	-0	28.9	223	9.1	-4	54.7	
40		282	26.8	14	43.8	271	34.5	11	33.5	260	50.4	7	52.2	250	6.9	3	47.4	239	13.8	-0	32.6	227	59.6	-4	58.4	
10	0	287	17.7	14	41.4	276	25.5	11	30.6	265	41.5	7	48.9	254	57.9	3	43.9	244	4.7	-0	36.3	232	50.0	-5	2.1	
20		292	8.6	14	39.0	281	16.5	11	27.7	270	32.6	7	45.7	259	48.9	3	40.4	248	55.5	-0	40.0	237	40.4	-5	5.7	
40		296	59.4	14	36.6	286	7.6	11	24.8	275	23.7	7	42.4	264	39.9	3	36.8	253	46.3	-0	43.6	242	30.8	-5	9.4	
11	0	301	50.3	14	34.2	290	58.6	11	21.9	280	14.7	7	39.1	269	31.0	3	33.3	258	37.1	-0	47.3	247	21.2	-5	13.1	
20		306	41.2	14	31.8	295	49.6	11	19.0	285	5.8	7	35.8	274	22.0	3	29.8	263	27.9	-0	51.0	252	11.6	-5	16.8	
40		311	32.0	14	29.3	300	40.6	11	16.1	289	56.9	7	32.6	279	13.0	3	26.2	268	18.6	-0	54.7	257	2.0	-5	20.4	
12	0	316	22.9	14	26.9	305	31.6	11	13.2	294	48.0	7	29.3	284	4.0	3	22.7	273	9.4	-0	58.4	261	52.4	-5	24.1	
20		321	13.8	14	24.4	310	22.7	11	10.3	299	39.1	7	26.0	288	55.0	3	19.1	278	0.2	-1	2.0	266	42.8	-5	27.8	
40		326	4.7	14	22.0	315	13.7	11	7.4	304	30.1	7	22.7	293	46.0	3	15.6	282	51.0	-1	5.7	271	33.2	-5	31.5	
13	0	330	55.5	14	19.5	320	4.7	11	4.4	309	21.2	7	19.4	298	37.0	3	12.0	287	41.8	-1	9.4	276	23.5	-5	35.1	
20		335	46.4	14	17.0	324	55.7	11	1.5	314	12.3	7	16.1	303	28.0	3	8.5	292	32.5	-1	13.1	281	13.9	-5	38.8	
40		340	37.3	14	14.6	329	46.8	10	58.6	319	3.4	7	12.8	308	19.0	3	4.9	297	23.3	-1	16.8	286	4.2	-5	42.5	
14	0	345	28.2	14	12.1	334	37.8	10	55.6	323	54.5	7	9.5	313	10.0	3	1.3	302	14.0	-1	20.5	290	54.6	-5	46.1	
20		350	19.1	14	9.6	339	28.8	10	52.6	328	45.5	7	6.2	318	1.0	2	57.8	307	4.8	-1	24.2	295	44.9	-5	49.8	
40		355	10.0	14	7.1	344	19.9	10	49.7	333	36.6	7	2.9	322	52.0	2	54.2	311	55.5	-1	27.8	300	35.3	-5	53.4	
15	0	0	0.9	14	4.6	349	10.9	10	46.7	338	27.7	6	59.5	327	43.0	2	50.6	316	46.3	-1	31.5	305	25.6	-5	57.1	
20		4	51.8	14	2.1	354	1.9	10	43.7	343	18.8	6	56.2	332	34.0	2	47.1	321	37.0	-1	35.2	310	15.9	-6	0.8	
40		9	42.7	13	59.5	358	53.0	10	40.8	348	9.9	6	52.9	337	25.0	2	43.5	326	27.8	-1	38.9	315	6.2	-6	4.4	
16	0	14	33.6	13	57.0	3	44.0	10	37.8	353	0.9	6	49.5	342	15.9	2	39.9	331	18.5	-1	42.6	319	56.5	-6	8.1	
20		19	24.5	13	54.5	8	35.1	10	34.8	357	52.0	6	46.2	347	6.9	2	36.3	336	9.2	-1	46.3	324	46.8	-6	11.7	
40		24	15.4	13	51.9	13	26.1	10	31.8	2	43.1	6	42.9	351	57.9	2	32.8	340	59.9	-1	50.0	329	37.1	-6	15.4	
17	0	29	6.3	13	49.4	18	17.1	10	28.8	7	34.2	6	39.5	356	48.9	2	29.2	345	50.6	-1	53.7	334	27.4	-6	19.0	
20		33	57.2	13	46.8	23	8.2	10	25.8	12	25.2	6	36.2	1	39.8	2	25.6	350	41.4	-1	57.4	339	17.6	-6	22.7	
40		38	48.1	13	44.3	27	59.2	10	22.8	17	16.3	6	32.8	6	30.8	2	22.0	355	32.1	-2	1.1	344	7.9	-6	26.3	
18	0	43	39.0	13	41.7	32	50.3	10	19.8	22	7.4	6	29.4	11	21.8	2	18.4	0	22.8	-2	4.8	348	58.2	-6	30.0	
20		48	30.0	13	39.1	37	41.3	10	16.8	26	58.5	6	26.1	16	12.8	2	14.8	5	13.5	-2	8.5	353	4			

		18 Jun				19 Jun				20 Jun				21 Jun				22 Jun				23 Jun								
		GHA				GHA				GHA				GHA				GHA				GHA								
		Dec				Dec				Dec				Dec				Dec				Dec								
h	m	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d			
0	0	76	1.6	-7	35.2	63	47.8	-11	44.8	50	43.6	-15	23.5	36	45.8	-18	12.1	22	1.5	-19	51.2	6	50.2	-20	6.5					
	20	80	51.7	-7	38.8	68	37.3	-11	48.0	55	32.4	-15	26.2	41	33.8	-18	13.9	26	49.0	-19	52.0	11	37.5	-20	6.1	0.4				
	40	85	41.8	-7	42.4	73	26.7	-11	51.3	60	21.1	-15	28.9	46	21.8	-18	15.8	31	36.5	-19	52.8	16	24.8	-20	5.7					
1	0	90	31.9	-7	45.9	78	16.2	-11	54.6	65	9.8	-15	31.6	51	9.8	-18	17.7	36	23.9	-19	53.6	21	12.1	-20	5.2					
	20	95	22.0	-7	49.5	83	5.6	-11	57.9	69	58.5	-15	34.3	55	57.8	-18	19.5	41	11.4	-19	54.3	25	59.4	-20	4.8	0.5				
	40	100	12.1	-7	53.1	87	55.1	-12	1.2	74	47.2	-15	37.0	60	45.8	-18	21.4	45	58.8	-19	55.1	30	46.6	-20	4.3					
2	0	105	2.1	-7	56.7	92	44.5	-12	4.4	79	35.9	-15	39.7	65	33.7	-18	23.2	50	46.3	-19	55.8	35	33.9	-20	3.8					
	20	109	52.2	-8	0.3	97	33.9	-12	7.7	84	24.5	-15	42.4	70	21.7	-18	25.0	55	33.7	-19	56.5	40	21.2	-20	3.3	0.5				
	40	114	42.3	-8	3.9	102	23.3	-12	10.9	89	13.2	-15	45.1	75	9.6	-18	26.8	60	21.2	-19	57.2	45	8.5	-20	2.8					
3	0	119	32.3	-8	7.4	107	12.7	-12	14.2	94	1.8	-15	47.7	79	57.5	-18	28.6	65	8.6	-19	57.9	49	55.8	-20	2.2	0.6				
	20	124	22.4	-8	11.0	112	2.1	-12	17.4	98	50.5	-15	50.3	84	45.5	-18	30.4	69	56.0	-19	58.6	54	43.1	-20	1.6					
	40	129	12.4	-8	14.6	116	51.4	-12	20.6	103	39.1	-15	53.0	89	33.4	-18	32.1	74	43.4	-19	59.2	59	30.3	-20	1.1					
4	0	134	2.4	-8	18.2	121	40.8	-12	23.8	108	27.7	-15	55.6	94	21.3	-18	33.9	79	30.9	-19	59.8	64	17.6	-20	0.5	0.6				
	20	138	52.4	-8	21.7	126	30.2	-12	27.1	113	16.3	-15	58.2	99	9.2	-18	35.6	84	18.3	-20	0.5	69	4.9	-19	59.8					
	40	143	42.4	-8	25.3	131	19.5	-12	30.3	118	4.9	-16	0.8	103	57.1	-18	37.3	89	5.7	-20	1.0	73	52.2	-19	59.2					
5	0	148	32.4	-8	28.8	136	8.8	-12	33.5	122	53.5	-16	3.4	108	45.0	-18	39.0	93	53.1	-20	1.6	78	39.5	-19	58.6					
	20	153	22.4	-8	32.4	140	58.1	-12	36.7	127	42.0	-16	6.0	113	32.8	-18	40.7	98	40.5	-20	2.2	83	26.8	-19	57.9					
	40	158	12.4	-8	35.9	145	47.5	-12	39.9	132	30.6	-16	8.6	118	20.7	-18	42.4	103	27.9	-20	2.7	88	14.1	-19	57.2					
6	0	163	2.4	-8	39.5	150	36.8	-12	43.1	137	19.1	-16	11.1	123	8.6	-18	44.0	108	15.3	-20	3.3	93	1.4	-19	56.5					
	20	167	52.4	-8	43.0	155	26.0	-12	46.2	142	7.7	-16	13.7	127	56.4	-18	45.7	113	2.6	-20	3.8	97	48.7	-19	55.0					
	40	172	42.3	-8	46.6	160	15.3	-12	49.4	146	56.2	-16	16.2	132	44.2	-18	47.3	117	50.0	-20	4.3	102	36.0	-19	55.8					
7	0	177	32.3	-8	50.1	165	4.6	-12	52.6	151	44.7	-16	18.7	137	32.1	-18	48.9	122	37.4	-20	4.8	107	23.3	-19	54.3					
	20	182	22.2	-8	53.6	169	53.9	-12	55.7	156	33.2	-16	21.2	142	19.9	-18	50.5	127	24.8	-20	5.2	112	10.6	-19	53.5					
	40	187	12.1	-8	57.2	174	43.1	-12	58.9	161	21.7	-16	23.7	147	7.7	-18	52.1	132	12.1	-20	5.7	116	57.9	-19	52.7					
8	0	192	2.1	-9	0.7	179	32.4	-13	2.0	166	10.2	-16	26.2	151	55.5	-18	53.7	136	59.5	-20	6.1	121	45.2	-19	51.9					
	20	196	52.0	-9	4.2	184	21.6	-13	5.1	170	58.7	-16	28.7	156	43.3	-18	55.2	141	46.9	-20	6.5	126	32.5	-19	51.1					
	40	201	41.9	-9	7.7	189	10.8	-13	8.3	175	47.2	-16	31.2	161	31.1	-18	56.8	146	34.2	-20	6.9	131	19.8	-19	50.3					
9	0	206	31.8	-9	11.2	194	0.0	-13	11.4	180	35.6	-16	33.7	166	18.9	-18	58.3	151	21.6	-20	7.3	136	7.1	-19	49.4					
	20	211	21.7	-9	14.8	198	49.2	-13	14.5	185	24.1	-16	36.1	171	6.6	-18	59.8	156	8.9	-20	7.6	140	54.4	-19	48.5					
	40	216	11.6	-9	18.3	203	38.4	-13	17.6	190	12.5	-16	38.5	175	54.4	-19	1.3	160	56.3	-20	8.0	145	41.7	-19	47.6					
10	0	221	1.4	-9	21.8	208	27.6	-13	20.7	195	0.9	-16	41.0	180	42.2	-19	2.8	165	43.6	-20	8.3	150	29.0	-19	46.7					
	20	225	51.3	-9	25.3	213	16.7	-13	23.8	199	49.4	-16	43.4	185	29.9	-19	4.3	170	31.0	-20	8.6	155	16.4	-19	45.8					
	40	230	41.2	-9	28.8	218	5.9	-13	26.9	204	37.8	-16	45.8	190	17.7	-19	5.7	175	18.3	-20	8.9	160	3.7	-19	44.9					
11	0	235	31.0	-9	32.3	222	55.0	-13	30.0	209	26.2	-16	48.2	195	5.4	-19	7.2	180	5.7	-20	9.2	164	51.0	-19	43.9					
	20	240	20.8	-9	35.7	227	44.2	-13	33.0	214	14.5	-16	50.6	199	53.1	-19	8.6	184	53.0	-20	9.4	169	38.3	-19	42.9					
	40	245	10.7	-9	39.2	232	33.3	-13	36.1	219	2.9	-16	52.9	204	40.8	-19	10.0	189	40.3	-20	9.7	174	25.7	-19	41.9					
12	0	250	0.5	-9	42.7	237	22.4	-13	39.1	223	51.3	-16	55.3	209	28.6	-19	11.4	194	27.6	-20	9.9	179	13.0	-19	40.9					
	20	254	50.3	-9	46.2	242	11.5	-13	42.2	228	39.6	-16	57.6	214	16.3	-19	12.8	199	15.0	-20	10.1	184	0.3	-19	39.9					
	40	259	40.1	-9	49.6	247	0.6	-13	45.2	233	28.0	-16	0.0	219	4.0	-19	14.1	204	2.3	-20	10.3	188	47.7	-19	38.9					
13	0	264	29.9	-9	53.1	251	49.7	-13	48.3	238	16.3	-17	2.3	223	51.6	-19	15.5	208	49.6	-20	10.5	193	35.0	-19	37.8					
	20	269	19.7	-9	56.6	256	38.8	-13	51.3	243	4.6	-17	4.6	228	39.3	-19	16.8	213	36.9	-20	10.6	198	22.4	-19	36.7					
	40	274	9.4	-10	0.0	261	27.9	-13	54.3	247	53.0	-17	6.9	233	27.0	-19	18.1	218	24.2	-20	10.8	203	9.7	-19	35.6					
14	0	278	59.2	-10	3.5	266	16.9	-13	57.3	252	41.3	-17	9.2	238	14.7	-19	19.4	223	11.6	-20	10.9	207	57.1	-19	34.5					
	20	283	49.0	-10	6.9	271	6.0	-14	0.3	257	29.5	-17	11.5	243	2.3	-19	20.7	227	58.9	-20	11.0	212	44.4	-19	33.4					
	40	288	38.7	-10	10.4	275	55.0	-14	3.3	262	17.8	-17	13.7	247	50.0	-19	22.0	232	46.2	-20	11.1	217	31.8	-19	32.3					
15	0	293	28.5	-10	13.8	280	44.0	-14	6.3	267	6.1	-17	16.0	252	37.6	-19	23.2	237	33.5	-20	11.1									

		24 Jun				25 Jun				26 Jun				27 Jun				28 Jun				29 Jun					
		GHA				GHA				GHA				GHA				GHA				GHA					
		Dec				Dec				Dec				Dec				Dec				Dec					
h	m	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d
0	0	351	39.5	-18	53.7	336	56.0	-16	20.4	322	56.8	-12	44.1	309	47.0	-8	26.4	297	22.0	-3	48.2	285	31.8	0	52.5		
20		356	27.0	-18	52.1	341	44.0	-16	17.8	327	45.5	-12	40.8	314	36.4	-8	22.6	302	11.9	-3	44.3	290	22.2	0	56.3		
40		1	14.5	-18	50.5	346	32.0	-16	15.2	332	34.2	-12	37.4	319	25.7	-8	18.8	307	1.9	-3	40.4	295	12.5	1	0.2		
1	0	6	2.0	-18	48.8	351	20.0	-16	12.5	337	22.9	-12	34.0	324	15.1	-8	15.1	311	51.8	-3	36.5	300	2.8	1	4.0		
20		10	49.5	-18	47.2	356	8.1	-16	9.9	342	11.6	-12	30.7	329	4.5	-8	11.3	316	41.7	-3	32.6	304	53.2	1	7.9		
40		15	37.0	-18	45.5	0	56.1	-16	7.2	347	0.4	-12	27.3	333	53.9	-8	7.5	321	31.7	-3	28.6	309	43.5	1	11.7		
2	0	20	24.5	-18	43.8	5	44.2	-16	4.5	351	49.1	-12	23.9	338	43.3	-8	3.7	326	21.6	-3	24.7	314	33.9	1	15.5		
20		25	12.0	-18	42.1	10	32.3	-16	1.8	356	37.8	-12	20.5	343	32.7	-7	59.9	331	11.6	-3	20.8	319	24.2	1	19.4		
40		29	59.6	-18	40.4	15	20.3	-15	59.1	1	26.6	-12	17.1	348	22.2	-7	56.1	336	1.6	-3	16.9	324	14.6	1	23.2		
3	0	34	47.1	-18	38.6	20	8.4	-15	56.4	6	15.4	-12	13.7	353	11.6	-7	52.3	340	51.6	-3	13.0	329	4.9	1	27.0		
20		39	34.6	-18	36.9	24	56.5	-15	53.7	11	4.2	-12	10.3	358	1.0	-7	48.5	345	41.5	-3	9.0	333	55.3	1	30.9		
40		44	22.2	-18	35.1	29	44.6	-15	50.9	15	53.0	-12	6.9	2	50.5	-7	44.7	350	31.5	-3	5.1	338	45.7	1	34.7		
4	0	49	9.7	-18	33.4	34	32.7	-15	48.2	20	41.8	-12	3.4	7	39.9	-7	40.9	355	21.5	-3	1.2	343	36.1	1	38.5		
20		53	57.3	-18	31.6	39	20.9	-15	45.4	25	30.6	-12	0.0	12	29.4	-7	37.1	0	11.5	-2	57.3	348	26.4	1	42.3		
40		58	44.9	-18	29.7	44	9.0	-15	42.7	30	19.4	-11	56.6	17	18.9	-7	33.3	5	1.5	-2	53.4	353	16.8	1	46.1		
5	0	63	32.4	-18	27.9	48	57.1	-15	39.9	35	8.2	-11	53.1	22	8.4	-7	29.5	9	51.6	-2	49.4	358	7.2	1	49.9		
20		68	20.0	-18	26.1	53	45.3	-15	37.1	39	57.1	-11	49.6	26	57.9	-7	25.6	14	41.6	-2	45.5	2	57.6	1	53.7		
40		73	7.6	-18	24.2	58	33.4	-15	34.3	44	45.9	-11	46.2	31	47.4	-7	21.8	19	31.6	-2	41.6	7	48.0	1	57.6		
6	0	77	55.2	-18	22.4	63	21.6	-15	31.4	49	34.8	-11	42.7	36	36.9	-7	18.0	24	21.6	-2	37.7	12	38.4	2	1.4		
20		82	42.8	-18	20.5	68	9.8	-15	28.6	54	23.6	-11	39.2	41	26.4	-7	14.2	29	11.7	-2	33.8	17	28.8	2	5.2		
40		87	30.4	-18	18.5	72	58.0	-15	25.8	59	12.5	-11	35.7	46	15.9	-7	10.3	34	1.7	-2	29.9	22	19.2	2	9.0		
7	0	92	18.0	-18	16.7	77	46.2	-15	22.9	64	1.4	-11	32.2	51	5.5	-7	6.5	38	51.8	-2	25.9	27	9.6	2	12.7		
20		97	5.6	-18	14.7	82	34.4	-15	20.1	68	50.3	-11	28.7	55	55.0	-7	2.7	43	41.8	-2	22.0	32	0.0	2	16.5		
40		101	53.2	-18	12.8	87	22.6	-15	17.2	73	39.2	-11	25.2	60	44.6	-6	58.8	48	31.9	-2	18.1	36	50.4	2	20.3		
8	0	106	40.9	-18	10.8	92	10.8	-15	14.3	78	28.1	-11	21.7	65	34.1	-6	55.0	53	22.0	-2	14.2	41	40.8	2	24.1		
20		111	28.5	-18	8.9	96	59.0	-15	11.4	83	17.0	-11	18.2	70	23.7	-6	51.1	58	12.0	-2	10.3	46	31.3	2	27.9		
40		116	16.1	-18	6.9	101	47.3	-15	8.5	88	6.0	-11	14.7	75	13.3	-6	47.3	63	2.1	-2	6.4	51	21.7	2	31.7		
9	0	121	3.8	-18	4.9	106	35.5	-15	5.6	92	54.9	-11	11.1	80	2.8	-6	43.4	67	52.2	-2	2.4	56	12.1	2	35.5		
20		125	51.5	-18	2.8	111	23.8	-15	2.6	97	43.9	-11	7.6	84	52.4	-6	39.6	72	42.3	-1	58.5	61	2.6	2	39.2		
40		130	39.1	-18	0.8	116	12.1	-14	59.7	102	32.8	-11	4.1	89	42.0	-6	35.7	77	32.4	-1	54.6	65	53.0	2	43.0		
10	0	135	26.8	-17	58.8	121	0.4	-14	56.8	107	21.8	-11	0.5	94	31.6	-6	31.9	82	22.5	-1	50.7	70	43.5	2	46.8		
20		140	14.5	-17	56.7	125	48.6	-14	53.8	112	10.8	-10	56.9	99	21.2	-6	28.0	87	12.6	-1	46.8	75	33.9	2	50.5		
40		145	2.2	-17	54.6	130	36.9	-14	50.8	116	59.8	-10	53.4	104	10.9	-6	24.1	92	2.8	-1	42.9	80	24.3	2	54.3		
11	0	149	49.9	-17	52.5	135	25.3	-14	47.8	121	48.8	-10	49.8	109	0.5	-6	20.3	96	52.9	-1	39.0	85	14.8	2	58.0		
20		154	37.5	-17	50.4	140	13.6	-14	44.8	126	37.8	-10	46.2	113	50.1	-6	16.4	101	43.0	-1	35.1	90	5.3	3	1.8		
40		159	25.3	-17	48.3	145	1.9	-14	41.8	131	26.8	-10	42.6	118	39.8	-6	12.5	106	33.1	-1	31.1	94	55.7	3	5.6		
12	0	164	13.0	-17	46.2	149	50.2	-14	38.8	136	15.8	-10	39.1	123	29.4	-6	8.7	111	23.3	-1	27.2	99	46.2	3	9.3		
20		169	0.7	-17	44.0	154	38.6	-14	35.8	141	4.9	-10	35.5	128	19.1	-6	4.8	116	13.4	-1	23.3	104	36.6	3	13.0		
40		173	48.4	-17	41.9	159	26.9	-14	32.8	145	53.9	-10	31.9	133	8.8	-6	0.9	121	3.6	-1	19.4	109	27.1	3	16.8		
13	0	178	36.2	-17	39.7	164	15.3	-14	29.7	150	43.0	-10	28.3	137	58.5	-5	57.0	125	53.7	-1	15.5	114	17.6	3	20.5		
20		183	23.9	-17	37.5	169	3.7	-14	26.7	155	32.0	-10	24.6	142	48.1	-5	53.1	130	43.9	-1	11.6	119	8.1	3	24.3		
40		188	11.7	-17	35.3	173	52.1	-14	23.6	160	21.1	-10	21.0	147	37.8	-5	49.3	135	34.1	-1	7.7	123	58.5	3	28.0		
14	0	192	59.4	-17	33.1	178	40.5	-14	20.5	165	10.2	-10	17.4	152	27.5	-5	45.4	140	24.2	-1	3.8	128	49.0	3	31.7		
20		197	47.2	-17	30.9	183	28.9	-14	17.5	169	59.3	-10	13.8	157	17.2	-5	41.5	145	14.4	-0	59.9	133	39.5	3	35.4		
40		202	35.0	-17	28.6	188	17.3	-14	14.4	174	48.4	-10	10.1	162	7.0	-5	37.6	150	4.6	-0	56.0	138	30.0	3	39.2		
15	0	207	22.7	-17	26.4	193	5.7	-14	11.3	179	37.5	-10	6.5	166	56.7	-5	33.7	154	54.8	-0	52.1	143	20.5	3	42.9		
20		212	10.5	-17	24.1	197	54.1	-14	8.2	184	26.6	-10	2.8	171	46.4	-5	29.8	159	45.0	-0	48.2	148	11.0	3	46.6		
40		216	58.3	-17	21.8	202	42.0	-14	5.0	189	15.8	-9	59.2	176	36.2	-5	25.9	164	35.2	-0	44.3	153	1.5	3	50.3		
16	0	221	46.1	-17	19.5	207	31.0	-14	1.9	194	4.9	-9	55.5	181	25.9	-5	22.0	169	25.4	-0	40.4	157	52.0	3	54.0		
20		226	34.0	-17	17.2	212	19.5	-13	58.8	198	54.1	-9	51.9	186	15.7	-5	18.1	174	15.6	-0	36.5	162	42.5	3	57.7		
40		231	21.8	-17	14.9	217	8.0	-13	55.6	203	43.2	-9	48.2	191	5.4	-5	14.2	179	5.8	-0	32.7	167	33.0	4	1.4		
17	0	236	9.6	-17	12.5	221	56.4	-13	52.5	208	32.4	-9	44.5	195	55.2	-5	10.3	183	56.1	-0	28.8	172	23.5	4	5.1		
20		240	57.4	-17	10.2	226	44.9	-13	49.3	213	21.6	-9	40.9	200	45.0	-5	6.5	188	46.3	-0	24.9	177	14.0	4	8.8		
40		245	45.3	-17	7.8	231	33.4	-13	46.1	218	10.7	-9	37.2	205	34.7	-5	2.5	193	36.5	-0	21.0	182	4.5	4	12.5		
18	0	250	33.1	-17	5.4	236	22.0	-13	42.9	222	59.9	-9	33.5	210	24.5	-4	58.6	198	26.7	-0	17.1	186	55.1	4	16.1		
20		255	21.0	-17	3.1	241	10.5	-13	39.7	227	49.1	-9	29.8	215	14.3	-4	54.7	203	17.0	-0	13.2	191	45.6	4	19.8		
40		260	8.9	-17	0.7	245	59.0	-13																			

		30 Jun				1 Jul				2 Jul				3 Jul				4 Jul				5 Jul			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	274	4.8	5	21.7	262	49.8	9	28.6	251	37.2	13	4.3	240	20.4	16	1.7	228	56.0	18	14.7	217	24.0	19	38.6
20		278	55.4	5	25.3	267	40.4	9	31.8	256	27.8	13	7.1	245	11.0	16	3.9	233	46.5	18	16.3	222	14.4	19	39.4
40		283	46.0	5	28.9	272	31.1	9	35.0	261	18.5	13	9.8	250	1.5	16	6.0	238	36.9	18	17.8	227	4.7	19	40.2
1	0	288	36.5	5	32.5	277	21.7	9	38.3	266	9.1	13	12.5	254	52.1	16	8.2	243	27.3	18	19.3	231	55.1	19	40.9
20		293	27.1	5	36.1	282	12.4	9	41.5	270	59.8	13	15.2	259	42.6	16	10.3	248	17.8	18	20.7	236	45.4	19	41.7
40		298	17.7	5	39.7	287	3.1	9	44.7	275	50.4	13	18.0	264	33.2	16	12.5	253	8.2	18	22.2	241	35.7	19	42.5
2	0	303	8.3	5	43.3	291	53.7	9	47.9	280	41.0	13	20.7	269	23.7	16	14.6	257	58.6	18	23.7	246	26.1	19	43.2
20		307	58.8	5	46.9	296	44.4	9	51.1	285	31.7	13	23.4	274	14.3	16	16.7	262	49.1	18	25.1	251	16.4	19	44.0
40		312	49.4	5	50.5	301	35.0	9	54.2	290	22.3	13	26.1	279	4.8	16	18.8	267	39.5	18	26.6	256	6.8	19	44.7
3	0	317	40.0	5	54.0	306	25.7	9	57.4	295	12.9	13	28.7	283	55.3	16	20.9	272	29.9	18	28.0	260	57.1	19	45.4
20		322	30.6	5	57.6	311	16.4	10	0.6	300	3.6	13	31.4	288	45.9	16	23.0	277	20.3	18	29.4	265	47.4	19	46.1
40		327	21.2	6	1.1	316	7.0	10	3.8	304	54.2	13	34.1	293	36.4	16	25.1	282	10.8	18	30.8	270	37.8	19	46.8
4	0	332	11.8	6	4.7	320	57.7	10	6.9	309	44.8	13	36.7	298	27.0	16	27.1	287	1.2	18	32.2	275	28.1	19	47.5
20		337	2.4	6	8.2	325	48.4	10	10.1	314	35.5	13	39.4	303	17.5	16	29.2	291	51.6	18	33.6	280	18.5	19	48.2
40		341	53.0	6	11.8	330	39.0	10	13.2	319	26.1	13	42.0	308	8.0	16	31.2	296	42.0	18	35.0	285	8.8	19	48.9
5	0	346	43.6	6	15.3	335	29.7	10	16.4	324	16.7	13	44.7	312	58.5	16	33.3	301	32.4	18	36.4	289	59.1	19	49.5
20		351	34.2	6	18.9	340	20.4	10	19.5	329	7.3	13	47.3	317	49.1	16	35.3	306	22.8	18	37.8	294	49.5	19	50.2
40		356	24.8	6	22.4	345	11.0	10	22.6	333	58.0	13	49.9	322	39.6	16	37.3	311	13.3	18	39.1	299	39.8	19	50.8
6	0	1	15.4	6	25.9	350	1.7	10	25.7	338	48.6	13	52.5	327	30.1	16	39.4	316	3.7	18	40.5	304	30.1	19	51.4
20		6	6.0	6	29.4	354	52.4	10	28.9	343	39.2	13	55.1	332	20.6	16	41.4	320	54.1	18	41.8	309	20.5	19	52.0
40		10	56.6	6	33.0	359	43.0	10	32.0	348	29.8	13	57.7	337	11.2	16	43.4	325	44.5	18	43.1	314	10.8	19	52.6
7	0	15	47.2	6	36.5	4	33.7	10	35.1	353	20.5	14	0.3	342	1.7	16	45.4	330	34.9	18	44.5	319	1.1	19	53.2
20		20	37.8	6	40.0	9	24.4	10	38.2	358	11.1	14	2.9	346	52.2	16	47.3	335	25.3	18	45.8	323	51.5	19	53.8
40		25	28.4	6	43.5	14	15.0	10	41.3	3	1.7	14	5.5	351	42.7	16	49.3	340	15.7	18	47.1	328	41.8	19	54.4
8	0	30	19.0	6	47.0	19	5.7	10	44.3	7	52.3	14	8.0	356	33.2	16	51.3	345	6.1	18	48.3	333	32.1	19	55.0
20		35	9.6	6	50.5	23	56.3	10	47.4	12	42.9	14	10.6	1	23.7	16	53.2	349	56.5	18	49.6	338	22.5	19	55.5
40		40	0.2	6	54.0	28	47.0	10	50.5	17	33.6	14	13.2	6	14.3	16	55.2	354	46.9	18	50.9	343	12.8	19	56.1
9	0	44	50.8	6	57.4	33	37.7	10	53.6	22	24.2	14	15.7	11	4.8	16	57.1	359	37.3	18	52.2	348	3.1	19	56.6
20		49	41.5	7	0.9	38	28.3	10	56.6	27	14.8	14	18.2	15	55.3	16	59.0	4	27.7	18	53.4	352	53.4	19	57.1
40		54	32.1	7	4.4	43	19.0	10	59.7	32	5.4	14	20.8	20	45.8	17	0.9	9	18.1	18	54.6	357	43.8	19	57.7
10	0	59	22.7	7	7.9	48	9.7	11	2.7	36	56.0	14	23.3	25	36.3	17	2.9	14	8.5	18	55.9	2	34.1	19	58.2
20		64	13.3	7	11.3	53	0.3	11	5.7	41	46.6	14	25.8	30	26.8	17	4.8	18	58.9	18	57.1	7	24.4	19	58.6
40		69	3.9	7	14.8	57	51.0	11	8.8	46	37.2	14	28.3	35	17.3	17	6.6	23	49.3	18	58.3	12	14.8	19	59.1
11	0	73	54.6	7	18.2	62	41.7	11	11.8	51	27.8	14	30.8	40	7.8	17	8.5	28	39.7	18	59.5	17	5.1	19	59.6
20		78	45.2	7	21.7	67	32.3	11	14.8	56	18.4	14	33.3	44	58.3	17	10.4	33	30.1	19	0.7	21	55.4	20	0.1
40		83	35.8	7	25.1	72	23.0	11	17.8	61	9.0	14	35.8	49	48.8	17	12.3	38	20.5	19	1.9	26	45.7	20	0.5
12	0	88	26.4	7	28.6	77	13.7	11	20.8	65	59.6	14	38.2	54	39.3	17	14.1	43	10.8	19	3.1	31	36.1	20	1.0
20		93	17.1	7	32.0	82	4.3	11	23.8	70	50.2	14	40.7	59	29.8	17	16.0	48	1.2	19	4.2	36	26.4	20	1.4
40		98	7.7	7	35.4	86	55.0	11	26.8	75	40.8	14	43.1	64	20.3	17	17.8	52	51.6	19	5.4	41	16.7	20	1.8
13	0	102	58.3	7	38.8	91	45.6	11	29.8	80	31.4	14	45.6	69	10.8	17	19.6	57	42.0	19	6.5	46	7.0	20	2.2
20		107	49.0	7	42.2	96	36.3	11	32.8	85	22.0	14	48.0	74	1.2	17	21.4	62	32.4	19	7.6	50	57.3	20	2.6
40		112	39.6	7	45.7	101	27.0	11	35.7	90	12.6	14	50.5	78	51.7	17	23.3	67	22.8	19	8.8	55	47.7	20	3.0
14	0	117	30.2	7	49.1	106	17.6	11	38.7	95	3.2	14	52.9	83	42.2	17	25.1	72	13.1	19	9.9	60	38.0	20	3.4
20		122	20.9	7	52.5	111	8.3	11	41.7	99	53.8	14	55.3	88	32.7	17	26.8	77	3.5	19	11.0	65	28.3	20	3.8
40		127	11.5	7	55.9	115	58.9	11	44.6	104	44.4	14	57.7	93	23.2	17	28.6	81	53.9	19	12.1	70	18.6	20	4.1
15	0	132	2.2	7	59.2	120	49.6	11	47.6	109	35.0	15	0.1	98	13.7	17	30.4	86	44.3	19	13.1	75	9.0	20	4.5
20		136	52.8	8	2.6	125	40.3	11	50.5	114	25.6	15	2.5	103	4.1	17	32.2	91	34.6	19	14.2	79	59.3	20	4.8
40		141	43.4	8	6.0	130	30.9	11	53.4	119	16.2	15	4.9	107	54.6	17	33.9	96	25.0	19	15.3	84	49.6	20	5.2
16	0	146	34.1	8	9.4	135	21.6	11	56.3	124	6.8	15	7.3	112	45.1	17	35.7	101	15.4	19	16.3	89	39.9	20	5.5
20		151	24.7	8	12.7	140	12.2	11	59.3	128	57.4	15	9.6	117	35.6	17	37.4	106	5.8	19	17.4	94	30.2	20	5.8
40		156	15.4	8	16.1	145	2.9	12	2.2	133	48.0	15	12.0	122	26.0	17	39.1	110	56.1	19	18.4	99	20.6	20	6.1
17	0	161	6.0	8	19.5	149	53.6	12	5.1	138	38.5	15	14.3	127	16.5	17	40.8	115	46.5	19	19.4	104	10.9	20	6.4
20		165	56.7	8	22.8	154	44.2	12	8.0	143	29.1	15	16.7	132	7.0	17	42.6	120	36.9	19	20.4	109	1.2	20	6.6
40		170	47.3	8	26.1	159	34.9	12	10.8	148	19.7	15	19.0	136	57.4	17	44.3	125	27.2	19	21.4	113	51.5	20	6.9
18	0	175	38.0	8	29.5	164	25.5	12	13.7	153	10.3	15	21.3	141	47.9	17	45.9	130	17.6	19	22.4	118	41.8	20	7.2
20		180	28.6	8	32.8	169	16.2	12	16.6	158	0.9	15	23.6	146	38.4	17	47								

		6 Jul			7 Jul			8 Jul			9 Jul			10 Jul			11 Jul											
		GHA			GHA			GHA			GHA			GHA			GHA											
		Dec			Dec			Dec			Dec			Dec			Dec											
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>										
0	0	205	47.6	20	10.0		194	12.2		182	43.6		171	26.5		160	22.9		149	31.8		10	25.5					
	20	210	37.9	20	10.1	0.1	199	2.5		187	34.1		176	17.1		165	13.8		154	22.8		10	22.5					
	40	215	28.2	20	10.1		203	52.9	290.3	192	24.6	18	31.3	-1.4	181	7.8	16	27.6	-2.0	170	4.7	13	41.3	159	13.8	10	19.5	-3.0
1	0	220	18.6	20	10.2		208	43.3		197	15.1	18	29.9		185	58.5	16	25.6		174	55.5	13	38.7	164	4.9	10	16.5	
	20	225	8.9	20	10.2	0.0	213	33.7	290.4	202	5.6	18	28.5	-1.4	190	49.2	16	23.5	-2.1	179	46.4	13	36.2	168	55.9	10	13.5	-3.0
	40	229	59.2	20	10.2		218	24.1		206	56.1	18	27.0		195	39.9	16	21.5		184	37.3	13	33.6	173	46.9	10	10.4	
2	0	234	49.5	20	10.2		223	14.4		211	46.6	18	25.6		200	30.6	16	19.4		189	28.2	13	31.0	178	38.0	10	7.4	
	20	239	39.8	20	10.2	0.0	228	4.8	290.4	216	37.2	18	24.2	-1.4	205	21.3	16	17.3	-2.1	194	19.1	13	28.4	183	29.0	10	4.4	-3.0
	40	244	30.2	20	10.2		232	55.2		221	27.7	18	22.7		210	12.0	16	15.3		199	10.0	13	25.8	188	20.0	10	1.3	
3	0	249	20.5	20	10.2		237	45.6		226	18.2	18	21.3		215	2.8	16	13.2		204	0.9	13	23.1	193	11.1	9	58.3	
	20	254	10.8	20	10.2	0.0	242	36.0	290.4	231	8.8	18	19.8	-1.5	219	53.5	16	11.1	-2.1	208	51.8	13	20.5	198	2.1	9	55.2	-3.1
	40	259	1.1	20	10.1		247	26.4		235	59.3	18	18.3	-1.5	224	44.2	16	9.0	-2.1	213	42.7	13	17.9	202	53.2	9	52.2	-3.1
4	0	263	51.5	20	10.1		252	16.8		240	49.8	18	16.9		229	34.9	16	6.9		218	33.6	13	15.3	207	44.2	9	49.1	
	20	268	41.8	20	10.0	0.0	257	7.2	290.4	245	40.4	18	15.4	-1.5	234	25.6	16	4.8	-2.1	223	24.5	13	12.6	212	35.2	9	46.0	-3.1
	40	273	32.1	20	9.9	-0.1	261	57.6	290.4	250	30.9	18	13.9	-1.5	239	16.4	16	2.7	-2.1	228	15.4	13	10.0	217	26.3	9	42.9	-3.1
5	0	278	22.4	20	9.9		266	47.9		255	21.4	18	12.4		244	7.1	16	0.5		233	6.3	13	7.3	222	17.3	9	39.9	
	20	283	12.8	20	9.8	-0.1	271	38.3	290.4	260	12.0	18	10.8	-1.5	248	57.8	15	58.4	-2.1	237	57.2	13	4.6	227	8.4	9	36.8	-3.1
	40	288	3.1	20	9.7		276	28.7		265	2.5	18	9.3	-1.5	253	48.5	15	56.2	-2.1	242	48.2	13	2.0	231	59.4	9	33.7	-3.1
6	0	292	53.4	20	9.5		281	19.1		269	53.1	18	7.8		258	39.3	15	54.1		247	39.1	12	59.3	236	50.5	9	30.6	
	20	297	43.7	20	9.4	-0.1	286	9.6	290.4	274	43.6	18	6.2	-1.6	263	30.0	15	51.9	-2.2	252	30.0	12	56.6	241	41.5	9	27.5	-3.1
	40	302	34.1	20	9.3		290	60.0		279	34.2	18	4.7	-1.6	268	20.8	15	49.8	-2.2	257	20.9	12	53.9	246	32.6	9	24.4	-3.1
7	0	307	24.4	20	9.1		295	50.4		284	24.7	18	3.1		273	11.5	15	47.6		262	11.8	12	51.2	251	23.7	9	21.3	-3.1
	20	312	14.7	20	9.0	0.0	300	40.8	290.4	289	15.3	18	1.5	-1.6	278	2.3	15	45.4	-2.2	267	2.8	12	48.5	256	14.7	9	18.2	-3.1
	40	317	5.0	20	8.8	-0.2	305	31.2		294	5.9	18	0.0	-1.6	282	53.0	15	43.2	-2.2	271	53.7	12	45.8	261	5.8	9	15.0	-3.1
8	0	321	55.4	20	8.6		310	21.6		298	56.4	17	58.4		287	43.8	15	41.0		276	44.6	12	43.1	265	56.8	9	11.9	
	20	326	45.7	20	8.4	-0.2	315	12.0	290.4	303	47.0	17	56.8	-1.6	292	34.5	15	38.8	-2.2	281	35.6	12	40.4	270	47.9	9	8.8	-3.1
	40	331	36.0	20	8.2		320	2.4		308	37.6	17	55.2	-1.6	297	25.3	15	36.6	-2.2	286	26.5	12	37.6	275	39.0	9	5.7	-3.1
9	0	336	26.4	20	8.0		324	52.8		313	28.1	17	53.5		302	16.0	15	34.3		291	17.4	12	34.9	280	30.0	9	2.5	
	20	341	16.7	20	7.8	-0.2	329	43.3	290.4	318	18.7	17	51.9	-1.6	307	6.8	15	32.1	-2.2	296	8.4	12	32.1	285	21.1	8	59.4	-3.1
	40	346	7.0	20	7.6	-0.2	334	33.7		323	9.3	17	50.3	-1.6	311	57.5	15	29.9	-2.2	300	59.3	12	29.4	290	12.1	8	56.2	-3.1
10	0	350	57.4	20	7.4		339	24.1		327	59.8	17	48.6		316	48.3	15	27.6		305	50.3	12	26.6	295	3.2	8	53.1	
	20	355	47.7	20	7.1	-0.3	344	14.5	290.4	332	50.4	17	47.0	-1.7	321	39.1	15	25.4	-2.3	310	41.2	12	23.9	299	54.3	8	49.9	-3.2
	40	0	38.0	20	6.8	-0.3	349	4.9		337	41.0	17	45.3	-1.7	326	29.9	15	23.1	-2.3	315	32.2	12	21.1	304	45.3	8	46.8	-3.2
11	0	5	28.4	20	6.6		353	55.4		342	31.6	17	43.6		331	20.6	15	20.8		320	23.1	12	18.3	309	36.4	8	43.6	
	20	10	18.7	20	6.3	-0.3	358	45.8	290.4	347	22.2	17	42.0	-1.7	336	11.4	15	18.6	-2.3	325	14.1	12	15.6	314	27.5	8	40.4	-3.2
	40	15	9.0	20	6.0	-0.3	3	36.2		352	12.8	17	40.3	-1.7	341	2.2	15	16.3	-2.3	330	5.0	12	12.8	319	18.6	8	37.2	-3.2
12	0	19	59.4	20	5.7		8	26.7		357	3.4	17	38.6		345	53.0	15	14.0		334	56.0	12	10.0	324	9.6	8	34.1	-3.2
	20	24	49.7	20	5.4	-0.3	13	17.1	290.4	1	54.0	17	36.9	-1.7	350	43.8	15	11.7	-2.3	339	46.9	12	7.2	329	0.7	8	30.9	-3.2
	40	29	40.1	20	5.1	-0.3	18	7.5		6	44.6	17	35.1	-1.7	355	34.6	15	9.4	-2.3	344	37.9	12	4.4	333	51.8	8	27.7	-3.2
13	0	34	30.4	20	4.7		22	58.0		11	35.2	17	33.4		0	25.3	15	7.0		349	28.9	12	1.6	338	42.9	8	24.5	
	20	39	20.7	20	4.4	-0.3	27	48.4	290.4	16	25.8	17	31.7	-1.7	5	16.1	15	4.7	-2.3	354	19.8	11	58.8	343	33.9	8	21.3	-3.2
	40	44	11.1	20	4.0	-0.3	32	38.9		21	16.4	17	29.9	-1.7	10	6.9	15	2.4	-2.3	359	10.8	11	55.9	348	25.0	8	18.1	-3.2
14	0	49	1.4	20	3.7		37	29.3		26	7.0	17	28.2		14	57.7	15	0.1		4	1.8	11	53.1	353	16.1	8	14.9	
	20	53	51.8	20	3.3	-0.4	42	19.7	290.4	30	57.6	17	26.4	-1.8	19	48.5	14	57.7	-2.4	8	52.7	11	50.3	358	7.2	8	11.7	-3.2
	40	58	42.1	20	2.9	-0.4	47	10.2		35	48.2	17	24.7	-1.8	24	39.3	14	55.4	-2.4	13	43.7	11	47.4	2	58.2	8	8.4	-3.2
15	0	63	32.4	20	2.5		52	0.6		40	38.8	17	22.9		29	30.1	14	53.0		18	34.7	11	44.6	7	49.3	8	5.2	
	20	68	22.8	20	2.1	-0.4	56	51.1	290.5	45	29.4	17	21.1	-1.8	34	21.0	14	50.6	-2.4	23	25.7	11	41.7	12	40.4	8	2.0	-3.2
	40	73	13.1	20	1.7	-0.4	61	41.5		50	20.1	17	19.3	-1.8	39	11.8	14	48.2	-2.4	28	16.7	11	38.9	17	31.5	7	58.8	-3.2
16	0	78	3.5	20	1.3		66	32.0		55	10.7	17	17.5		44	2.6	14	45.9		33	7.6	11	36.0	22	22.6	7	55.5	
	20	82	53.8	20	0.9	-0.4	71	22.5	290.5	60	1.3	17	15.7	-1.8	48	53.4	14	43.5	-2.4	37	58.6	11	33.1	27	13.7	7	52.3	-3.2
	40	87	44.2	20	0.4	-0.4	76	12.9		64	51.9	17	13.9	-1.8	53	44.2	14	41.1	-2.4	42	49.6	11	30.3	32	4.7	7	49.0	-3.2
17	0	92	34.5	20	0.0		81	3.4		69	42.6	17	12.0		58	35.0	14	38.7		47	40.6	11	27.4	36	55.8	7	45.8	
	20	97	24.9	19	59.5	-0.5																						

		12 Jul				13 Jul				14 Jul				15 Jul				16 Jul				17 Jul			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	138	48.7	6	36.6	128	6.7	2	28.2	117	16.4	-1	50.8	106	7.0	-6	10.5	94	26.9	-10	19.2	82	5.6	-14	3.3
20		143	39.8	6	33.3	132	57.8	2	24.6	122	7.3	-1	54.5	110	57.5	-6	14.0	99	16.9	-10	22.5	86	55.0	-14	6.2
40		148	30.9	291.1	-3.3	137	48.8	2	21.1	126	58.2	-1	58.1	115	48.0	-6	17.6	104	6.9	-10	25.8	91	44.3	-14	9.1
1	0	153	22.0	6	26.6	142	39.9	2	17.5	131	49.0	-2	1.7	120	38.5	-6	21.1	108	56.9	-10	29.1	96	33.7	-14	11.9
20		158	13.1	6	23.3	147	30.9	2	14.0	136	39.9	-2	5.3	125	29.0	-6	24.7	113	46.9	-10	32.4	101	23.0	-14	14.8
40		163	4.2	6	19.9	152	22.0	2	10.4	141	30.7	-2	9.0	130	19.5	-6	28.2	118	36.9	-10	35.7	106	12.4	-14	17.6
2	0	167	55.3	6	16.6	157	13.0	2	6.9	146	21.5	-2	12.6	135	10.0	-6	31.8	123	26.8	-10	39.0	111	1.7	-14	20.4
20		172	46.4	6	13.2	162	4.0	2	3.3	151	12.4	-2	16.2	140	0.5	-6	35.3	128	16.8	-10	42.3	115	51.0	-14	23.2
40		177	37.5	291.1	-3.4	166	55.1	1	59.8	156	3.2	-2	19.8	144	50.9	-6	38.9	133	6.8	-10	45.6	120	40.3	-14	26.0
3	0	182	28.6	6	6.5	171	46.1	1	56.2	160	54.0	-2	23.5	149	41.4	-6	42.4	137	56.7	-10	48.8	125	29.6	-14	28.8
20		187	19.7	6	3.1	176	37.1	1	52.6	165	44.9	-2	27.1	154	31.9	-6	45.9	142	46.6	-10	52.1	130	18.9	-14	31.6
40		192	10.8	291.1	-3.4	181	28.2	1	49.1	170	35.7	-2	30.7	159	22.3	-6	49.5	147	36.6	-10	55.4	135	8.2	-14	34.4
4	0	197	1.9	5	56.3	186	19.2	1	45.5	175	26.5	-2	34.3	164	12.7	-6	53.0	152	26.5	-10	58.6	139	57.5	-14	37.2
20		201	53.0	5	53.0	191	10.2	1	41.9	180	17.3	-2	38.0	169	3.2	-6	56.5	157	16.4	-11	1.9	144	46.7	-14	40.0
40		206	44.1	5	49.6	196	1.3	1	38.4	185	8.1	-2	41.6	173	53.6	-7	0.1	162	6.3	-11	5.2	149	36.0	-14	42.7
5	0	211	35.2	5	46.2	200	52.3	1	34.8	189	58.9	-2	45.2	178	44.0	-7	3.6	166	56.2	-11	8.4	154	25.2	-14	45.5
20		216	26.3	5	42.8	205	43.3	1	31.2	194	49.7	-2	48.8	183	34.5	-7	7.1	171	46.1	-11	11.6	159	14.4	-14	48.2
40		221	17.4	291.1	-3.4	210	34.3	1	27.6	199	40.5	-2	52.5	188	24.9	-7	10.6	176	35.9	-11	14.9	164	3.6	-14	51.0
6	0	226	8.5	5	36.0	215	25.3	1	24.1	204	31.3	-2	56.1	193	15.3	-7	14.1	181	25.8	-11	18.1	168	52.9	-14	53.7
20		230	59.6	5	32.6	220	16.4	1	20.5	209	22.1	-2	59.7	198	5.7	-7	17.7	186	15.7	-11	21.3	173	42.1	-14	56.4
40		235	50.7	5	29.2	225	7.4	1	16.9	214	12.9	-3	3.3	202	56.1	-7	21.2	191	5.5	-11	24.5	178	31.3	-14	59.1
7	0	240	41.8	5	25.8	229	58.4	1	13.3	219	3.7	-3	7.0	207	46.5	-7	24.7	195	55.4	-11	27.8	183	20.4	-15	1.8
20		245	32.9	5	22.4	234	49.4	1	9.7	223	54.4	-3	10.6	212	36.9	-7	28.2	200	45.2	-11	31.0	188	9.6	-15	4.5
40		250	24.0	5	19.0	239	40.4	1	6.1	228	45.2	-3	14.2	217	27.2	-7	31.7	205	35.0	-11	34.2	192	58.8	-15	7.2
8	0	255	15.1	5	15.6	244	31.4	1	2.6	233	36.0	-3	17.8	222	17.6	-7	35.2	210	24.8	-11	37.4	197	47.9	-15	9.9
20		260	6.1	5	12.1	249	22.4	0	59.0	238	26.7	-3	21.5	227	8.0	-7	38.7	215	14.7	-11	40.6	202	37.1	-15	12.6
40		264	57.2	5	8.7	254	13.4	0	55.4	243	17.5	-3	25.1	231	58.3	-7	42.2	220	4.5	-11	43.7	207	26.2	-15	15.2
9	0	269	48.3	5	5.3	259	4.4	0	51.8	248	8.3	-3	28.7	236	48.7	-7	45.7	224	54.2	-11	46.9	212	15.3	-15	17.9
20		274	39.4	5	1.9	263	55.4	0	48.2	252	59.0	-3	32.3	241	39.0	-7	49.2	229	44.0	-11	50.1	217	4.4	-15	20.5
40		279	30.5	291.1	-3.4	268	46.4	0	44.6	257	49.7	-3	35.9	246	29.3	-7	52.7	234	33.8	-11	53.3	221	53.5	-15	23.1
10	0	284	21.6	4	55.0	273	37.4	0	41.0	262	40.5	-3	39.6	251	19.7	-7	56.1	239	23.6	-11	56.4	226	42.6	-15	25.7
20		289	12.7	4	51.5	278	28.4	0	37.4	267	31.2	-3	43.2	256	10.0	-7	59.6	244	13.3	-11	59.6	231	31.7	-15	28.4
40		294	3.8	4	48.1	283	19.4	0	33.8	272	21.9	-3	46.8	261	0.3	-8	3.1	249	3.1	-12	2.7	236	20.8	-15	31.0
11	0	298	54.9	4	44.7	288	10.3	0	30.2	277	12.7	-3	50.4	265	50.6	-8	6.6	253	52.8	-12	5.9	241	9.9	-15	33.6
20		303	46.0	4	41.2	293	1.3	0	26.6	282	3.4	-3	54.0	270	40.9	-8	10.0	258	42.5	-12	9.0	245	58.9	-15	36.1
40		308	37.1	4	37.8	297	52.3	0	23.0	286	54.1	-3	57.6	275	31.2	-8	13.5	263	32.3	-12	12.1	250	48.0	-15	38.7
12	0	313	28.2	4	34.3	302	43.3	0	19.4	291	44.8	-4	1.2	280	21.5	-8	17.0	268	22.0	-12	15.3	255	37.0	-15	41.3
20		318	19.2	4	30.8	307	34.2	0	15.8	296	35.5	-4	4.9	285	11.8	-8	20.4	273	11.7	-12	18.4	260	26.0	-15	43.8
40		323	10.3	4	27.4	312	25.2	0	12.2	301	26.2	-4	8.5	290	2.0	-8	23.9	278	1.4	-12	21.5	265	15.0	-15	46.4
13	0	328	1.4	4	23.9	317	16.2	0	8.6	306	16.9	-4	12.1	294	52.3	-8	27.3	282	51.1	-12	24.6	270	4.0	-15	48.9
20		332	52.5	4	20.5	322	7.1	0	5.0	311	7.6	-4	15.7	299	42.6	-8	30.8	287	40.7	-12	27.7	274	53.0	-15	51.4
40		337	43.6	4	17.0	326	58.1	0	1.4	315	58.3	-4	19.3	304	32.8	-8	34.2	292	30.4	-12	30.8	279	42.0	-15	54.0
14	0	342	34.7	4	13.5	331	49.1	-0	2.2	320	49.0	-4	22.9	309	23.1	-8	37.7	297	20.1	-12	33.9	284	31.0	-15	56.5
20		347	25.8	4	10.0	336	40.0	-0	5.8	325	39.7	-4	26.5	314	13.3	-8	41.1	302	9.7	-12	37.0	289	20.0	-15	59.0
40		352	16.8	4	6.6	341	31.0	-0	9.5	330	30.3	-4	30.1	319	3.5	-8	44.6	306	59.4	-12	40.0	294	8.9	-16	1.5
15	0	357	7.9	4	3.1	346	21.9	-0	13.1	335	21.0	-4	33.7	323	53.8	-8	48.0	311	49.0	-12	43.1	298	57.9	-16	3.9
20		1	59.0	3	59.6	351	12.9	-0	16.7	340	11.7	-4	37.3	328	44.0	-8	51.4	316	38.6	-12	46.2	303	46.8	-16	6.4
40		6	50.1	291.1	-3.5	356	3.8	-0	20.3	345	2.3	-4	40.9	333	34.2	-8	54.9	321	28.2	-12	49.2	308	35.8	-16	8.9
16	0	11	41.2	3	52.6	0	54.8	-0	23.9	349	53.0	-4	44.5	338	24.4	-8	58.3	326	17.8	-12	52.3	313	24.7	-16	11.3
20		16	32.2	3	49.1	5	45.7	-0	27.5	354	43.6	-4	48.1	343	14.6	-9	1.7	331	7.4	-12	55.3	318	13.6	-16	13.8
40		21	23.3	291.1	-3.5	10	36.6	-0	31.1	359	34.3	-4	51.7	348	4.8	-9	5.1	335	57.0	-12	58.4	323	2.5	-16	16.2
17	0	26	14.4	3	42.2	15	27.6	-0	34.8	4	24.9	-4	55.3	352	54.9	-9	8.5	340	46.6	-13	1.4	327	51.4	-16	18.6
20		31	5.5	3	38.7	20	18.5	-0	38.4	9	15.5	-4	58.9	357	45.1	-9	11.9	345	36.2	-13	4.4	332	40.3	-16	21.0
40		35	56.5	3	35.2	25	9.4	-0	42.0	14	6.2	-5	2.5	2	35.3	-9	15.3	350	25.7	-13	7.4	337	29.1	-16	23.4
18	0	40	47.6	3	31.6	30	0.4	-0	45.6	18	56.8	-5	6.1	7	25.4	-9	18.7	355	15.3	-13	10.4	342	18.0	-16	25.8
20		45	38.7	3	28.1	34	51.3	-0	49.2	23	47.4	-5	9.7	12	15.6	-9	22.1	0	4.8	-13					

			18 Jul				19 Jul				20 Jul				21 Jul				22 Jul				23 Jul			
			GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0		68	55.8	-17	7.0	54	57.2	-19	12.8	40	19.4	-20	5.1	25	21.9	-19	33.8	10	29.5	-17	38.7	356	4.0	-14	30.2
20			73	44.5	-17	9.1	59	45.3	-19	14.1	45	7.0	-20	5.2	30	9.4	-19	32.8	15	17.2	-17	36.5	0	52.2	-14	27.2
40			78	33.2	-17	11.3	64	33.3	-19	15.3	49	54.6	-20	5.4	34	56.9	-19	31.7	20	5.0	-17	34.4	5	40.5	-14	24.1
1	0		83	21.8	-17	13.5	69	21.3	-19	16.5	54	42.2	-20	5.5	39	44.4	-19	30.6	24	52.7	-17	32.2	10	28.7	-14	21.1
20			88	10.5	-17	15.6	74	9.3	-19	17.8	59	29.8	-20	5.6	44	31.9	-19	29.5	29	40.5	-17	30.0	15	17.0	-14	18.0
40			92	59.1	-17	17.8	78	57.4	-19	19.0	64	17.4	-20	5.7	49	19.4	-19	28.4	34	28.3	-17	27.8	20	5.3	-14	14.9
2	0		97	47.7	-17	19.9	83	45.4	-19	20.2	69	5.0	-20	5.7	54	7.0	-19	27.3	39	16.1	-17	25.6	24	53.6	-14	11.8
20			102	36.4	-17	22.0	88	33.4	-19	21.3	73	52.6	-20	5.8	58	54.5	-19	26.2	44	3.8	-17	23.3	29	41.8	-14	8.7
40			107	25.0	-17	24.1	93	21.3	-19	22.5	78	40.2	-20	5.8	63	42.0	-19	25.0	48	51.6	-17	21.1	34	30.1	-14	5.5
3	0		112	13.6	-17	26.2	98	9.3	-19	23.6	83	27.8	-20	5.8	68	29.5	-19	23.9	53	39.4	-17	18.8	39	18.4	-14	2.4
20			117	2.2	-17	28.3	102	57.3	-19	24.8	88	15.4	-20	5.8	73	17.1	-19	22.7	58	27.2	-17	16.5	44	6.8	-13	59.3
40			121	50.8	-17	30.4	107	45.3	-19	25.9	93	2.9	-20	5.8	78	4.6	-19	21.5	63	15.0	-17	14.3	48	55.1	-13	56.1
4	0		126	39.3	-17	32.4	112	33.2	-19	27.0	97	50.5	-20	5.8	82	52.1	-19	20.3	68	2.9	-17	11.9	53	43.4	-13	52.9
20			131	27.9	-17	34.5	117	21.2	-19	28.1	102	38.1	-20	5.8	87	39.6	-19	19.0	72	50.7	-17	9.6	58	31.8	-13	49.8
40			136	16.4	-17	36.5	122	9.1	-19	29.1	107	25.7	-20	5.7	92	27.2	-19	17.8	77	38.5	-17	7.3	63	20.1	-13	46.6
5	0		141	5.0	-17	38.5	126	57.1	-19	30.2	112	13.2	-20	5.6	97	14.7	-19	16.5	82	26.3	-17	4.9	68	8.5	-13	43.4
20			145	53.5	-17	40.5	131	45.0	-19	31.2	117	0.8	-20	5.5	102	2.2	-19	15.3	87	14.2	-17	2.6	72	56.8	-13	40.2
40			150	42.1	-17	42.5	136	32.9	-19	32.3	121	48.2	-20	5.4	106	49.8	-19	14.0	92	2.0	-17	0.2	77	45.2	-13	37.0
6	0		155	30.6	-17	44.5	141	20.8	-19	33.3	126	35.9	-20	5.3	111	37.3	-19	12.6	96	49.9	-16	57.8	82	33.6	-13	33.7
20			160	19.1	-17	46.5	146	8.7	-19	34.3	131	23.5	-20	5.1	116	24.9	-19	11.3	101	37.7	-16	55.4	87	22.0	-13	30.5
40			165	7.6	-17	48.4	150	56.6	-19	35.3	136	11.0	-20	5.0	121	12.4	-19	10.0	106	25.6	-16	53.0	92	10.3	-13	27.3
7	0		169	56.1	-17	50.4	155	44.5	-19	36.2	140	58.6	-20	4.8	125	60.0	-19	8.6	111	13.5	-16	50.6	96	58.8	-13	24.0
20			174	44.5	-17	52.3	160	32.4	-19	37.2	145	46.1	-20	4.6	130	47.5	-19	7.2	116	1.3	-16	48.1	101	47.2	-13	20.8
40			179	33.0	-17	54.3	165	20.3	-19	38.1	150	33.7	-20	4.4	135	35.1	-19	5.8	120	49.2	-16	45.7	106	35.6	-13	17.5
8	0		184	21.5	-17	56.2	170	8.2	-19	39.1	155	21.2	-20	4.2	140	22.6	-19	4.4	125	37.1	-16	43.2	111	24.0	-13	14.2
20			189	9.9	-17	58.1	174	56.1	-19	40.0	160	8.7	-20	3.9	145	10.2	-19	3.0	130	25.0	-16	40.7	116	12.4	-13	10.9
40			193	58.4	-18	0.0	179	43.9	-19	40.9	164	56.3	-20	3.7	149	57.7	-19	1.6	135	12.9	-16	38.3	121	0.9	-13	7.6
9	0		198	46.8	-18	1.8	184	31.8	-19	41.7	169	43.8	-20	3.4	154	45.3	-19	0.1	140	0.8	-16	35.7	125	49.3	-13	4.3
20			203	35.2	-18	3.7	189	19.6	-19	42.6	174	31.4	-20	3.1	159	32.9	-18	58.6	144	48.7	-16	33.2	130	37.8	-13	1.0
40			208	23.6	-18	5.6	194	7.5	-19	43.4	179	18.9	-20	2.8	164	20.4	-18	57.2	149	36.7	-16	30.7	135	26.3	-12	57.7
10	0		213	12.0	-18	7.4	198	55.3	-19	44.3	184	6.4	-20	2.5	169	8.0	-18	55.6	154	24.6	-16	28.1	140	14.7	-12	54.3
20			218	0.4	-18	9.2	203	43.1	-19	45.1	188	53.9	-20	2.1	173	55.6	-18	54.1	159	12.5	-16	25.6	145	3.2	-12	51.0
40			222	48.8	-18	11.0	208	31.0	-19	45.9	193	41.5	-20	1.8	178	43.2	-18	52.6	164	0.5	-16	23.0	149	51.7	-12	47.6
11	0		227	37.2	-18	12.8	213	18.8	-19	46.7	198	29.0	-20	1.4	183	30.7	-18	51.0	168	48.4	-16	20.4	154	40.2	-12	44.3
20			232	25.6	-18	14.6	218	6.6	-19	47.4	203	16.5	-20	1.0	188	18.3	-18	49.5	173	36.4	-16	17.8	159	28.7	-12	40.9
40			237	13.9	-18	16.4	222	54.4	-19	48.2	208	4.0	-20	0.6	193	5.9	-18	47.9	178	24.3	-16	15.2	164	17.3	-12	37.5
12	0		242	2.3	-18	18.2	227	42.2	-19	48.9	212	51.6	-20	0.2	197	53.5	-18	46.3	183	12.3	-16	12.6	169	5.8	-12	34.1
20			246	50.6	-18	19.9	232	30.0	-19	49.7	217	39.1	-20	59.7	202	41.1	-18	44.7	188	0.3	-16	10.0	173	54.3	-12	30.7
40			251	39.0	-18	21.7	237	17.8	-19	50.4	222	26.6	-19	59.3	207	28.7	-18	43.1	192	48.3	-16	7.3	178	42.9	-12	27.3
13	0		256	27.3	-18	23.4	242	5.5	-19	51.1	227	14.1	-19	58.8	212	16.3	-18	41.4	197	36.2	-16	4.7	183	31.4	-12	23.9
20			261	15.6	-18	25.1	246	53.3	-19	51.7	232	1.6	-19	58.3	217	3.9	-18	39.8	202	24.2	-16	2.0	188	20.0	-12	20.5
40			266	3.9	-18	26.8	251	41.1	-19	52.4	236	49.1	-19	57.8	221	51.5	-18	38.1	207	12.2	-15	59.3	193	8.5	-12	17.1
14	0		270	52.2	-18	28.5	256	28.9	-19	53.1	241	36.7	-19	57.3	226	39.1	-18	36.4	212	0.3	-15	56.6	197	57.1	-12	13.6
20			275	40.5	-18	30.2	261	16.6	-19	53.7	246	24.2	-19	56.7	231	26.7	-18	34.7	216	48.3	-15	53.9	202	45.7	-12	10.2
40			280	28.8	-18	31.8	266	4.4	-19	54.3	251	11.7	-19	56.2	236	14.3	-18	33.0	221	36.3	-15	51.2	207	34.3	-12	6.8
15	0		285	17.1	-18	33.5	270	52.1	-19	54.9	255	59.2	-19	55.6	241	2.0	-18	31.2	226	24.3	-15	48.4	212	22.9	-12	3.3
20			290	5.3	-18	35.1	275	39.9	-19	55.5	260	46.7	-19	55.0	245	49.6	-18	29.5	231	12.4	-15	45.7	217	11.5	-11	59.8
40			294	53.6	-18	36.7	280	27.6	-19	56.1	265	34.2	-19	54.4	250	37.2	-18	27.7	236	0.4	-15	42.9	222	0.1	-11	56.3
16	0		299	41.8	-18	38.3	285	15.3	-19	56.6	270	21.7	-19	53.8	255	24.9	-18	25.9	240	48.5	-15	40.2	226	48.8	-11	52.9
20			304	30.1	-18	39.9	290	3.0	-19	57.1	275	9.2	-19	53.1	260	12.5	-18	24.1	245	36.5	-15	37.4	231	37.4	-11	49.4
40			309	18.3	-18	41.5	294	50.8	-19	57.7	279	56.7	-19	52.5	265	0.1	-18	22.3	250	24.6	-15	34.6	236	26.0	-11	45.9
17	0		314	6.5	-18	43.1	299	38.5	-19	58.2	284	44.2	-19	51.8	269	47.8	-18	20.5	255	12.7	-15	31.8	241	14.7	-11	42.4
20			318	54.7	-18	44.6	304	26.2	-19	58.7	289	31.7	-19	51.1	274	35.4	-18	18.6	260	0.7	-15	29.0	246	3.3	-11	38.8
40			323	42.9	-18	46.2	309	13.9	-19	59.1	294	19.2	-19	50.4	279	23.1	-18	16.8	264	48.8	-15	26.2	250	52.0	-11	35.3
18	0	</																								

		24 Jul					25 Jul					26 Jul					27 Jul					28 Jul					29 Jul						
		GHA					GHA					GHA					GHA					GHA					GHA						
		Dec					Dec					Dec					Dec					Dec					Dec						
h	m	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'
0	0	342	18.3	-10	27.1	329	15.1	-5	51.0	316	49.4	-1	3.3	304	52.4	3	38.3	293	14.0	7	59.9	281	45.1	11	50.9								
20		347	7.1	-10	23.4	334	4.5	-5	47.1	321	39.3	-0	59.3	309	42.6	3	42.1	298	4.4	8	3.4	286	35.6	11	53.9								
40		351	56.0	-10	19.7	338	53.9	-5	43.1	326	29.2	-0	55.3	314	32.8	3	45.9	302	54.8	8	6.8	291	26.0	11	56.8								
1	0	356	44.8	-10	16.1	343	43.3	-5	39.2	331	19.1	-0	51.3	319	23.0	3	49.7	307	45.2	8	10.2	296	16.5	11	59.7								
20		1	33.7	-10	12.4	348	32.8	-5	35.2	336	8.9	-0	47.4	324	13.2	3	53.5	312	35.6	8	13.6	301	7.0	12	2.7								
40		6	22.6	-10	8.7	353	22.2	-5	31.2	340	58.8	-0	43.4	329	3.4	3	57.3	317	26.0	8	17.1	305	57.4	12	5.6								
2	0	11	11.5	-10	5.0	358	11.6	-5	27.2	345	48.7	-0	39.4	333	53.6	4	1.1	322	16.4	8	20.5	310	47.9	12	8.5								
20		16	0.3	-10	1.3	3	1.1	-5	23.3	350	38.6	-0	35.4	338	43.8	4	4.8	327	6.8	8	23.9	315	38.4	12	11.4								
40		20	49.2	-9	57.6	7	50.5	-5	19.3	355	28.5	-0	31.4	343	34.1	4	8.6	331	57.1	8	27.3	320	28.8	12	14.3								
3	0	25	38.1	-9	53.9	12	40.0	-5	15.3	0	18.4	-0	27.4	348	24.3	4	12.4	336	47.5	8	30.6	325	19.3	12	17.2								
20		30	27.0	-9	50.2	17	29.5	-5	11.3	5	8.4	-0	23.5	353	14.5	4	16.1	341	38.0	8	34.0	330	9.7	12	20.1								
40		35	16.0	-9	46.5	22	18.9	-5	7.4	9	58.3	-0	19.5	358	4.7	4	19.9	346	28.4	8	37.4	335	0.2	12	23.0								
4	0	40	4.9	-9	42.7	27	8.4	-5	3.4	14	48.2	-0	15.5	2	55.0	4	23.6	351	18.8	8	40.8	339	50.7	12	25.8								
20		44	53.8	-9	39.0	31	57.9	-4	59.4	19	38.1	-0	11.5	7	45.2	4	27.4	356	9.2	8	44.1	344	41.1	12	28.7								
40		49	42.8	-9	35.3	36	47.4	-4	55.4	24	28.1	-0	7.6	12	35.4	4	31.1	0	59.6	8	47.5	349	31.6	12	31.6								
5	0	54	31.7	-9	31.5	41	36.9	-4	51.4	29	18.0	-0	3.6	17	25.7	4	34.9	5	50.0	8	50.9	354	22.1	12	34.4								
20		59	20.7	-9	27.8	46	26.4	-4	47.4	34	8.0	0	0.4	22	15.9	4	38.6	10	40.4	8	54.2	359	12.5	12	37.2								
40		64	9.6	-9	24.0	51	15.9	-4	43.4	38	57.9	0	4.3	27	6.2	4	42.3	15	30.8	8	57.5	4	3.0	12	40.1								
6	0	68	58.6	-9	20.3	56	5.5	-4	39.4	43	47.9	0	8.3	31	56.4	4	46.1	20	21.2	9	0.9	8	53.5	12	42.9								
20		73	47.6	-9	16.5	60	55.0	-4	35.5	48	37.8	0	12.2	36	46.7	4	49.8	25	11.6	9	4.2	13	43.9	12	45.7								
40		78	36.6	-9	12.7	65	44.5	-4	31.5	53	27.8	0	16.2	41	36.9	4	53.5	30	2.0	9	7.5	18	34.4	12	48.5								
7	0	83	25.6	-9	9.0	70	34.1	-4	27.5	58	17.8	0	20.2	46	27.2	4	57.2	34	52.5	9	10.8	23	24.9	12	51.3								
20		88	14.6	-9	5.2	75	23.6	-4	23.5	63	7.8	0	24.1	51	17.5	5	0.9	39	42.9	9	14.2	28	15.3	12	54.1								
40		93	3.6	-9	1.4	80	13.2	-4	19.5	67	57.7	0	28.1	56	7.7	5	4.6	44	33.3	9	17.5	33	5.8	12	56.9								
8	0	97	52.6	-8	57.6	85	2.8	-4	15.5	72	47.7	0	32.0	60	58.0	5	8.3	49	23.7	9	20.7	37	56.3	12	59.7								
20		102	41.7	-8	53.8	89	52.3	-4	11.5	77	37.7	0	36.0	65	48.3	5	12.0	54	14.2	9	24.0	42	46.7	13	2.4								
40		107	30.7	-8	50.0	94	41.9	-4	7.5	82	27.7	0	39.9	70	38.6	5	15.7	59	4.6	9	27.3	47	37.2	13	5.2								
9	0	112	19.8	-8	46.2	99	31.5	-4	3.5	87	17.7	0	43.9	75	28.8	5	19.4	63	55.0	9	30.6	52	27.7	13	7.9								
20		117	8.8	-8	42.4	104	21.1	-3	59.5	92	7.7	0	47.8	80	19.1	5	23.1	68	45.4	9	33.9	57	18.1	13	10.7								
40		121	57.9	-8	38.6	109	10.7	-3	55.5	96	57.7	0	51.7	85	9.4	5	26.8	73	35.9	9	37.1	62	8.6	13	13.4								
10	0	126	47.0	-8	34.8	114	0.3	-3	51.5	101	47.8	0	55.7	89	59.7	5	30.4	78	26.3	9	40.4	66	59.1	13	16.2								
20		131	36.0	-8	30.9	118	49.9	-3	47.5	106	37.8	0	59.6	94	50.0	5	34.1	83	16.7	9	43.6	71	49.5	13	18.9								
40		136	25.1	-8	27.1	123	39.5	-3	43.5	111	27.8	1	3.5	99	40.3	5	37.8	88	7.1	9	46.9	76	40.0	13	21.6								
11	0	141	14.2	-8	23.3	128	29.2	-3	39.5	116	17.8	1	7.5	104	30.6	5	41.4	92	57.6	9	50.1	81	30.5	13	24.3								
20		146	3.3	-8	19.5	133	18.8	-3	35.5	121	7.9	1	11.4	109	20.9	5	45.1	97	48.0	9	53.3	86	20.9	13	27.0								
40		150	52.5	-8	15.6	138	8.4	-3	31.4	125	57.9	1	15.3	114	11.2	5	48.7	102	38.4	9	56.6	91	11.4	13	29.7								
12	0	155	41.6	-8	11.8	142	58.1	-3	27.4	130	48.0	1	19.2	119	1.5	5	52.4	107	28.9	9	59.8	96	1.9	13	32.4								
20		160	30.7	-8	7.9	147	47.7	-3	23.4	135	38.0	1	23.2	123	51.8	5	56.0	112	19.3	10	3.0	100	52.3	13	35.0								
40		165	19.8	-8	4.1	152	37.4	-3	19.4	140	28.1	1	27.1	128	42.1	5	59.6	117	9.8	10	6.2	105	42.8	13	37.7								
13	0	170	9.0	-8	0.2	157	27.1	-3	15.4	145	18.1	1	31.0	133	32.4	6	3.3	122	0.2	10	9.4	110	33.3	13	40.4								
20		174	58.1	-7	56.4	162	16.7	-3	11.4	150	8.2	1	34.9	138	22.7	6	6.9	126	50.6	10	12.6	115	23.7	13	43.0								
40		179	47.3	-7	52.5	167	6.4	-3	7.4	154	58.2	1	38.8	143	13.0	6	10.5	131	41.1	10	15.8	120	14.2	13	45.6								
14	0	184	36.5	-7	48.6	171	56.1	-3	3.4	159	48.3	1	42.7	148	3.4	6	14.1	136	31.5	10	18.9	125	4.7	13	48.3								
20		189	25.6	-7	44.8	176	45.8	-2	59.4	164	38.4	1	46.6	152	53.7	6	17.7	141	22.0	10	22.1	129	55.1	13	50.9								
40		194	14.8	-7	40.9	181	35.5	-2	55.4	169	28.5	1	50.5	157	44.0	6	21.3	146	12.4	10	25.3	134	45.6	13	53.5								
15	0	199	4.0	-7	37.0	186	25.2	-2	51.4	174	18.6	1	54.4	162	34.3	6	24.9	151	2.8	10	28.4	139	36.1	13	56.1								
20		203	53.2	-7	33.1	191	14.9	-2	47.4	179	8.7	1	58.3	167	24.7	6	28.5	155	53.3	10	31.6	144	26.5	13	58.7								
40		208	42.4	-7	29.2	196	4.6	-2	43.4	183	58.7	2	2.2	172	15.0	6	32.1	160	43.7	10	34.7	149	17.0	14	1.3								
16	0	213	31.6	-7	25.3	200	54.3	-2	39.3	188	48.8	2	6.1	177	5.3	6	35.7	165	34.2	10	37.8	154	7.4	14	3.9								
20		218	20.9	-7</																													

h m	30 Jul				31 Jul				1 Aug				2 Aug				3 Aug				4 Aug						
	GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec				
0 0	270	18.5	15	3.4	258	49.5	17	31.3	247	16.5	19	10.4	235	40.7	19	57.6	224	5.3	19	51.7	212	34.8	18	53.5			
20	275	8.9	15	5.7	263	39.9	17	33.1	252	6.8	19	11.4	240	31.0	19	57.9	228	55.7	19	51.3	217	25.3	18	52.4			
40	279	59.4	290.5	15	8.1	268	30.3	290.4	17	34.8	256	57.2	290.3	19	12.4	245	21.3	290.3	19	58.1	233	46.0	290.4	18	51.2		
1 0	284	49.8	15	10.5	273	20.7	17	36.5	261	47.5	19	13.4	250	11.6	19	58.4	238	36.4	19	50.3	227	6.2	18	50.0			
20	289	40.3	15	12.8	278	11.1	17	38.2	266	37.9	19	14.4	255	2.0	19	58.6	243	26.8	19	49.8	231	56.7	290.5	18	48.8		
40	294	30.7	15	15.1	283	1.5	17	39.8	271	28.2	19	15.3	259	52.3	19	58.9	248	17.1	19	49.3	236	47.1	18	47.6			
2 0	299	21.2	15	17.5	287	51.9	17	41.5	276	18.6	19	16.3	264	42.6	19	59.1	253	7.5	19	48.8	241	37.6	18	46.4			
20	304	11.6	15	19.8	292	42.3	17	43.2	281	8.9	19	17.3	269	33.0	19	59.3	257	57.9	19	48.3	246	28.1	18	45.2			
40	309	2.1	15	22.1	297	32.7	17	44.8	285	59.3	290.3	19	18.2	274	23.3	19	59.5	262	48.3	290.4	19	47.8	251	18.6	18	43.9	
3 0	313	52.5	15	24.4	302	23.1	17	46.5	290	49.6	19	19.1	279	13.6	19	59.7	267	38.6	19	47.3	256	9.0	18	42.7			
20	318	43.0	15	26.7	307	13.5	17	48.1	295	40.0	19	20.1	284	4.0	19	59.9	272	29.0	19	46.7	260	59.5	18	41.4			
40	323	33.4	290.4	15	29.0	312	3.9	290.4	300	30.3	290.3	19	21.0	288	54.3	20	0.1	277	19.4	290.4	19	46.2	265	50.0	290.5	18	40.2
4 0	328	23.9	15	31.3	316	54.3	17	51.3	305	20.6	19	21.9	293	44.6	20	0.3	282	9.8	19	45.6	270	40.5	18	38.9			
20	333	14.3	15	33.5	321	44.7	17	52.9	310	11.0	19	22.8	298	34.9	20	0.4	287	0.1	19	45.0	275	31.0	18	37.6			
40	338	4.8	15	35.8	326	35.1	17	54.5	315	1.3	19	23.7	303	25.3	20	0.6	291	50.5	290.4	19	44.4	280	21.5	290.5	18	36.3	
5 0	342	55.2	15	38.0	331	25.4	17	56.1	319	51.7	19	24.5	308	15.6	20	0.7	296	40.9	19	43.9	285	11.9	18	35.0			
20	347	45.7	15	40.3	336	15.8	17	57.7	324	42.0	19	25.4	313	5.9	20	0.9	301	31.3	19	43.2	290	2.4	18	33.7			
40	352	36.1	15	42.5	341	6.2	17	59.3	329	32.4	19	26.3	317	56.3	20	1.0	306	21.7	290.4	19	42.6	294	52.9	18	32.4		
6 0	357	26.6	15	44.7	345	56.6	18	0.8	334	22.7	19	27.1	322	46.6	20	1.1	311	12.0	19	42.0	299	43.4	18	31.1			
20	2	17.0	15	46.9	350	47.0	18	2.4	339	13.0	19	27.9	327	36.9	20	1.2	316	2.4	19	41.4	304	33.9	18	29.8			
40	7	7.4	15	49.2	355	37.4	18	3.9	344	3.4	19	28.8	332	27.3	20	1.3	320	52.8	290.4	19	40.7	309	24.4	18	28.4		
7 0	11	57.9	15	51.3	0	27.8	18	5.4	348	53.7	19	29.6	337	17.6	20	1.3	325	43.2	19	40.1	314	14.9	18	27.1			
20	16	48.3	15	53.5	5	18.2	18	7.0	353	44.1	19	30.4	342	7.9	20	1.4	330	33.6	19	39.4	319	5.4	18	25.7			
40	21	38.8	15	55.7	10	8.5	18	8.5	358	34.4	19	31.2	346	58.3	20	1.5	335	24.0	19	38.7	323	55.9	18	24.3			
8 0	26	29.2	15	57.9	14	58.9	18	10.0	3	24.7	19	32.0	351	48.6	20	1.5	340	14.4	19	38.0	328	46.4	18	22.9			
20	31	19.7	16	0.0	19	49.3	18	11.5	8	15.1	19	32.7	356	38.9	20	1.6	345	4.8	19	37.3	333	36.9	18	21.5			
40	36	10.1	16	2.2	24	39.7	18	12.9	13	5.4	19	33.5	1	29.3	20	1.6	349	55.2	19	36.6	338	27.4	18	20.1			
9 0	41	0.5	16	4.3	29	30.1	18	14.4	17	55.7	19	34.3	6	19.6	20	1.6	354	45.6	19	35.9	343	18.0	18	18.7			
20	45	51.0	16	6.5	34	20.5	18	15.9	22	46.1	19	35.0	11	9.9	20	1.6	359	36.0	19	35.2	348	8.5	18	17.3			
40	50	41.4	16	8.6	39	10.8	18	17.3	27	36.4	19	35.7	16	0.3	20	1.6	4	26.4	290.4	19	34.5	352	59.0	18	15.9		
10 0	55	31.8	16	10.7	44	1.2	18	18.8	32	26.8	19	36.4	20	50.6	20	1.6	9	16.8	19	33.7	357	49.5	18	14.4			
20	60	22.3	16	12.8	48	51.6	18	20.2	37	17.1	19	37.2	25	41.0	20	1.6	14	7.1	19	33.0	2	40.0	18	13.0			
40	65	12.7	16	14.9	53	42.0	18	21.6	42	7.4	19	37.9	30	31.3	20	1.5	18	57.6	19	32.2	7	30.5	290.5	18	11.5		
11 0	70	3.1	16	17.0	58	32.3	18	23.0	46	57.8	19	38.6	35	21.6	20	1.5	23	48.0	19	31.4	12	21.1	18	10.1			
20	74	53.6	16	19.1	63	22.7	18	24.4	51	48.1	19	39.2	40	12.0	20	1.4	28	38.4	290.4	19	30.6	17	11.6	18	8.6		
40	79	44.0	16	21.2	68	13.1	18	25.8	56	38.4	290.3	19	39.9	45	2.3	20	1.4	33	28.8	19	29.8	22	2.1	18	7.1		
12 0	84	34.4	16	23.2	73	3.5	18	27.2	61	28.8	19	40.6	49	52.7	20	1.3	38	19.2	19	29.0	26	52.7	18	5.6			
20	89	24.9	16	25.3	77	53.8	18	28.6	66	19.1	19	41.2	54	43.0	20	1.2	43	9.6	19	28.2	31	43.2	18	4.1			
40	94	15.3	16	27.3	82	44.2	18	29.9	71	9.4	19	41.9	59	33.3	20	1.1	47	60.0	290.4	19	27.4	36	33.7	18	2.6		
13 0	99	5.7	16	29.4	87	34.6	18	31.3	75	59.8	19	42.5	64	23.7	20	1.0	52	50.4	19	26.6	41	24.2	18	1.1			
20	103	56.2	16	31.4	92	25.0	18	32.6	80	50.1	19	43.1	69	14.0	20	0.9	57	40.8	19	25.7	46	14.8	17	59.5			
40	108	46.6	16	33.4	97	15.3	18	34.0	85	40.4	19	43.7	74	4.4	20	0.7	62	31.2	290.4	19	24.9	51	5.3	17	58.0		
14 0	113	37.0	16	35.4	102	5.7	18	35.3	90	30.8	19	44.3	78	54.7	20	0.6	67	21.6	19	24.0	55	55.9	17	56.4			
20	118	27.4	16	37.4	106	56.1	18	36.6	95	21.1	19	44.9	83	45.0	20	0.5	72	12.1	19	23.1	60	46.4	17	54.9			
40	123	17.9	16	39.4	111	46.4	18	37.9	100	11.4	19	45.5	88	35.4	20	0.3	77	2.5	19	22.3	65	37.0	17	53.3			
15 0	128	8.3	16	41.4	116	36.8	18	39.2	105	1.7	19	46.1	93	25.7	20	0.1	81	52.9	19	21.4	70	27.5	17	51.7			
20	132	58.7	16	43.3	121	27.2	18	40.5	109	52.1	19	46.6	98	16.1	19	59.9	86	43.3	19	20.5	75	18.1	17	50.2			
40	137	49.1	16	45.3	126	17.5	18	41.7	114	42.4	19	47.2	103	6.4	19	59.8	91	33.7	290.4	19	19.5	80	8.6	17	48.6		
16 0	142	39.6	16	47.3	131	7.9	18	43.0	119	32.7	19	47.7	107	56.8	19	59.6	96	24.2	19	18.6	84	59.2	17	47.0			
20	147	30.0	16	49.2	135	58.3	18	44.3	124	23.1	19	48.2	112	47.1	19	59.4	101	14.6	19	17.7	89	49.7	17	45.3			
40	152	20.4	16	51.1	140	48.6	18	45.5	129	13.4	19	48.8	117	37.5	20	0.2	106	5.0	290.4	19	16.7	94	40.3	17	43.7		
17 0	157	10.8	16	53.1	145	39.0	18	46.7	134	3.7	19	49.3	122	27.8	19	58.9	110	55.4	19	15.8	99	30.8	17	42.1			
20	162	1.3	16	55.0	150	29.4	18	48.0	138	54.1	19	49.8	127	18.2	19	58.7	115	45.9	290.4	19	14.8	104	21.4	17	40.5		
40	166	51.7	16	56.9	155	19.7	18	49.2	143	44.4	19	50.3	132	8.5	19	58.4	120	36.3	19	13.9	109	12.0	17	38.8			
18 0	171	42.1	16	58.8	160	10.1	18	50.4	148	34.7	19	50.7	136	58.9	19	58.1	125	26.7	19	12.9	114	2.5	17	37.1			
20	176	32.5	17	0.7	165	0.5	18	51.6	153	25.1	19	51.2	141	49.2	19	57.9	130	17.2	290.4	19	11.9	118	53.1	17	35.5		
40	181	22.9	17	2.6	169	50.8	18	52.8	158	15.4	19	51.7	146</														

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		5 Aug				6 Aug				7 Aug				8 Aug				9 Aug				10 Aug			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	201	13.1	17	5.8	190	2.6	14	33.2	179	3.1	11	22.0	168	12.0	7	40.0	157	24.1	3	35.9	146	31.9	-0	40.9
0	20	206	3.7	17	4.0	194	53.3	14	30.7	183	54.0	11	19.1	173	3.0	7	36.7	162	15.1	3	32.4	151	22.8	-0	44.5
0	40	210	54.3	17	2.1	199	44.1	14	28.3	188	44.9	11	16.2	177	54.0	7	33.5	167	6.0	3	28.8	156	13.7	-0	48.1
1	0	215	44.9	17	0.3	204	34.9	14	25.9	193	35.9	11	13.3	182	45.0	7	30.2	171	57.0	3	25.3	161	4.5	-0	51.7
1	20	220	35.5	16	58.4	209	25.7	14	23.5	198	26.8	11	10.4	187	36.0	7	26.9	176	48.0	3	21.8	165	55.4	-0	55.3
1	40	225	26.2	16	56.6	214	16.4	14	21.0	203	17.7	11	7.5	192	27.0	7	23.7	181	39.0	3	18.3	170	46.3	-0	58.9
2	0	230	16.8	16	54.7	219	7.2	14	18.6	208	8.6	11	4.6	197	18.0	7	20.4	186	30.0	3	14.8	175	37.1	-1	2.5
2	20	235	7.4	16	52.8	223	58.0	14	16.1	212	59.5	11	1.6	202	9.0	7	17.1	191	21.0	3	11.3	180	28.0	-1	6.1
2	40	239	58.0	16	50.9	228	48.8	14	13.7	217	50.4	10	58.7	206	60.0	7	13.8	196	12.0	3	7.8	185	18.8	-1	9.7
3	0	244	48.6	16	49.0	233	39.6	14	11.2	222	41.4	10	55.8	211	51.0	7	10.5	201	2.9	3	4.2	190	9.7	-1	13.3
3	20	249	39.3	16	47.1	238	30.3	14	8.7	227	32.3	10	52.8	216	42.0	7	7.2	205	53.9	3	0.7	195	0.5	-1	16.9
3	40	254	29.9	16	45.2	243	21.1	14	6.3	232	23.2	10	49.9	221	33.0	7	3.9	210	44.9	2	57.2	199	51.4	-1	20.5
4	0	259	20.5	16	43.3	248	11.9	14	3.8	237	14.1	10	46.9	226	24.0	7	0.6	215	35.9	2	53.7	204	42.2	-1	24.2
4	20	264	11.2	16	41.4	253	2.7	14	1.3	242	5.1	10	44.0	231	15.0	6	57.3	220	26.9	2	50.1	209	33.1	-1	27.8
4	40	269	1.8	16	39.4	257	53.5	13	58.8	246	56.0	10	41.0	236	6.0	6	54.0	225	17.8	2	46.6	214	23.9	-1	31.4
5	0	273	52.5	16	37.5	262	44.3	13	56.3	251	46.9	10	38.0	240	57.0	6	50.7	230	8.8	2	43.1	219	14.7	-1	35.0
5	20	278	43.1	16	35.5	267	35.1	13	53.8	256	37.9	10	35.0	245	48.0	6	47.3	234	59.8	2	39.5	224	5.6	-1	38.6
5	40	283	33.7	16	33.6	272	25.9	13	51.2	261	28.8	10	32.1	250	39.0	6	44.0	239	50.8	2	36.0	228	56.4	-1	42.2
6	0	288	24.4	16	31.6	277	16.7	13	48.7	266	19.7	10	29.1	255	30.0	6	40.7	244	41.7	2	32.5	233	47.2	-1	45.8
6	20	293	15.0	16	29.6	282	7.5	13	46.2	271	10.7	10	26.1	260	21.0	6	37.3	249	32.7	2	28.9	238	38.1	-1	49.4
6	40	298	5.7	16	27.6	286	58.3	13	43.6	276	1.6	10	23.1	265	12.0	6	34.0	254	23.7	2	25.4	243	28.9	-1	53.0
7	0	302	56.3	16	25.6	291	49.2	13	41.1	280	52.5	10	20.1	270	3.0	6	30.7	259	14.7	2	21.8	248	19.7	-1	56.6
7	20	307	47.0	16	23.6	296	40.0	13	38.5	285	43.5	10	17.1	274	54.0	6	27.3	264	5.6	2	18.3	253	10.5	-2	0.2
7	40	312	37.6	16	21.6	301	30.8	13	35.9	290	34.4	10	14.0	279	45.0	6	24.0	268	56.6	2	14.7	258	1.3	-2	3.8
8	0	317	28.3	16	19.6	306	21.6	13	33.4	295	25.4	10	11.0	284	36.0	6	20.6	273	47.6	2	11.2	262	52.1	-2	7.5
8	20	322	19.0	16	17.6	311	12.4	13	30.8	300	16.3	10	8.0	289	27.0	6	17.3	278	38.5	2	7.6	267	42.9	-2	11.1
8	40	327	9.6	16	15.5	316	3.2	13	28.2	305	7.3	10	5.0	294	18.0	6	13.9	283	29.5	2	4.1	272	33.7	-2	14.7
9	0	332	0.3	16	13.5	320	54.1	13	25.6	309	58.2	10	1.9	299	9.0	6	10.5	288	20.4	2	0.5	277	24.5	-2	18.3
9	20	336	51.0	16	11.4	325	44.9	13	23.0	314	49.2	9	58.9	304	0.0	6	7.2	293	11.4	1	57.0	282	15.3	-2	21.9
9	40	341	41.6	16	9.4	330	35.7	13	20.4	319	40.1	9	55.8	308	51.0	6	3.8	298	2.4	1	53.4	287	6.1	-2	25.5
10	0	346	32.3	16	7.3	335	26.5	13	17.8	324	31.1	9	52.8	313	42.0	6	0.4	302	53.3	1	49.8	291	56.9	-2	29.1
10	20	351	23.0	16	5.2	340	17.4	13	15.1	329	22.0	9	49.7	318	33.0	5	57.1	307	44.3	1	46.3	296	47.7	-2	32.7
10	40	356	13.7	16	3.1	345	8.2	13	12.5	334	13.0	9	46.6	323	24.1	5	53.7	312	35.2	1	42.7	301	38.5	-2	36.3
11	0	1	4.3	16	1.1	349	59.1	13	9.9	339	3.9	9	43.6	328	15.1	5	50.3	317	26.2	1	39.1	306	29.3	-2	39.9
11	20	5	55.0	15	58.9	354	49.9	13	7.2	343	54.9	9	40.5	333	6.1	5	46.9	322	17.1	1	35.6	311	20.0	-2	43.5
11	40	10	45.7	15	56.8	359	40.7	13	4.6	348	45.8	9	37.4	337	57.1	5	43.5	327	8.1	1	32.0	316	10.8	-2	47.1
12	0	15	36.4	15	54.7	4	31.6	13	1.9	353	36.8	9	34.3	342	48.1	5	40.1	331	59.0	1	28.4	321	1.6	-2	50.7
12	20	20	27.1	15	52.6	9	22.4	12	59.3	358	27.8	9	31.2	347	39.1	5	36.7	336	50.0	1	24.9	325	52.3	-2	54.3
12	40	25	17.8	15	50.5	14	13.3	12	56.6	3	18.7	9	28.1	352	30.1	5	33.3	341	40.9	1	21.3	330	43.1	-2	57.9
13	0	30	8.5	15	48.3	19	4.1	12	53.9	8	9.7	9	25.0	357	21.1	5	29.9	346	31.9	1	17.7	335	33.9	-3	1.5
13	20	34	59.1	15	46.2	23	55.0	12	51.2	13	0.7	9	21.9	2	12.1	5	26.5	351	22.8	1	14.1	340	24.6	-3	5.1
13	40	39	49.8	15	44.0	28	45.8	12	48.6	17	51.6	9	18.8	7	3.1	5	23.1	356	13.8	1	10.6	345	15.1	-3	8.7
14	0	44	40.5	15	41.8	33	36.7	12	45.9	22	42.6	9	15.7	11	54.1	5	19.7	1	4.7	1	7.0	350	6.1	-3	12.3
14	20	49	31.2	15	39.7	38	27.5	12	43.2	27	33.6	9	12.6	16	45.1	5	16.3	5	55.6	1	3.4	354	56.9	-3	15.9
14	40	54	22.0	15	37.5	43	18.4	12	40.4	32	24.5	9	9.5	21	36.1	5	12.8	10	46.6	0	59.8	359	47.6	-3	19.5
15	0	59	12.7	15	35.3	48	9.2	12	37.7	37	15.5	9	6.3	26	27.1	5	9.4	15	37.5	0	56.2	4	38.3	-3	23.1
15	20	64	3.4	15	33.1	53	0.1	12	35.0	42	6.5	9	3.2	31	18.1	5	6.0	20	28.4	0	52.7	9	29.1	-3	26.7
15	40	68	54.1	15	30.9	57	51.0	12	32.3	46	57.4	9	0.1	36	9.1	5	2.6	25	19.4	0	49.1	14	19.8	-3	30.3
16	0	73	44.8	15	28.9	62	41.8	12	29.5	51	48.4	8	56.9	41	0.1	4	59.1	30	10.3	0	45.5	19	10.5	-3	33.9
16	20	78	35.5	15	26.4	67	32.7	12	26.8	56	39.4	8	53.8	45	51.1	4	55.7	35	1.2	0	41.9	24	1.3	-3	37.5
16	40	83	26.2	15	24.2	72	23.6	12	24.1	61	30.4	8	50.6	50	42.1	4	52.2	39	52.1	0	38.3	28	52.0	-3	41.1
17	0	88	16.9	15	22.0	77	14.4	12	21.3	66	21.3	8	47.4	55	33.1	4	48.8	44	43.1	0	34.7	33	42.7	-3	44.6
17	20	93	7.7	15	19.7	82	5.3	12	18.5	71	12.3	8	44.3	60	24.1	4	45.4	49	34.0	0	31.1	38	33.4	-3	48.2
17	40	97	58.4	15	17.5	86	56.2	12	15.8	76	3.3	8	41.1	65	15.1	4	41.9	54	24.9	0	27.5	43	24.1	-3	51.8
18	0	102	49.1	15	15.2	91	47.1	12	13.0	80	54.3	8	37.9	70	6.1	4	38.5	59	15.8	0	23.9	48	14.8	-3	55.4
18	20	107	39.8	15	12.9	96	37.9	12	10.2	85	45.3	8	34.7	74	57.1	4	35								

		11 Aug				12 Aug				13 Aug				14 Aug				15 Aug				16 Aug							
		GHA				GHA				GHA				GHA				GHA				GHA							
		Dec				Dec				Dec				Dec				Dec				Dec							
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	135	26.8	-4	59.7	123	59.2	-9	9.2	111	59.9	-12	56.6	99	21.8	-16	8.0	86	2.4	-18	28.5	72	6.0	-19	44.2				
20		140	17.4	-5	3.3	128	49.4	-9	12.6	116	49.6	-12	59.6	104	11.0	-16	10.3	90	51.1	-18	30.0	76	54.2	-19	44.7				
40		145	8.1	-5	6.8	133	39.7	-9	15.9	121	39.3	-13	2.5	109	0.2	-16	12.6	95	39.7	-18	31.5	81	42.3	-19	45.2				
1	0	149	58.7	-5	10.4	138	29.9	-9	19.2	126	29.1	-13	5.4	113	49.3	-16	14.9	100	28.3	-18	33.0	86	30.5	-19	45.8				
20		154	49.3	-5	13.9	143	20.1	-9	22.6	131	18.8	-13	8.3	118	38.5	-16	17.2	105	16.9	-18	34.5	91	18.7	-19	46.2				
40		159	39.9	-5	17.5	148	10.3	-9	25.9	136	8.5	-13	11.3	123	27.6	-16	19.5	110	5.5	-18	36.0	96	6.8	-19	46.7				
2	0	164	30.5	-5	21.0	153	0.6	-9	29.2	140	58.2	-13	14.2	128	16.8	-16	21.8	114	54.0	-18	37.4	100	55.0	-19	47.2				
20		169	21.1	-5	24.6	157	50.8	-9	32.5	145	47.9	-13	17.1	133	5.9	-16	24.1	119	42.6	-18	38.9	105	43.1	-19	47.6				
40		174	11.7	-5	28.1	162	41.0	-9	35.8	150	37.6	-13	19.9	137	55.0	-16	26.4	124	31.2	-18	40.3	110	31.2	-19	48.1				
3	0	179	2.3	-5	31.7	167	31.2	-9	39.1	155	27.3	-13	22.8	142	44.1	-16	28.6	129	19.7	-18	41.7	115	19.4	-19	48.5				
20		183	52.9	-5	35.2	172	21.4	-9	42.4	160	17.0	-13	25.7	147	33.2	-16	30.9	134	8.3	-18	43.1	120	7.5	-19	48.9				
40		188	43.4	-5	38.7	177	11.5	-9	45.7	165	6.7	-13	28.6	152	22.3	-16	33.1	138	56.8	-18	44.5	124	55.6	-19	49.3				
4	0	193	34.0	-5	42.3	182	1.7	-9	49.0	169	56.3	-13	31.4	157	11.4	-16	35.3	143	45.4	-18	45.9	129	43.7	-19	49.7				
20		198	24.6	-5	45.8	186	51.9	-9	52.3	174	46.0	-13	34.3	162	0.5	-16	37.5	148	33.9	-18	47.3	134	31.9	-19	50.0				
40		203	15.2	-5	49.3	191	42.1	-9	55.6	179	35.7	-13	37.1	166	49.6	-16	39.7	153	22.4	-18	48.6	139	20.0	-19	50.4				
5	0	208	5.7	-5	52.9	196	32.2	-9	58.9	184	25.3	-13	40.0	171	38.7	-16	41.9	158	10.9	-18	50.0	144	8.1	-19	50.7				
20		212	56.3	-5	56.4	201	22.4	-10	2.1	189	14.9	-13	42.8	176	27.7	-16	44.1	162	59.5	-18	51.3	148	56.2	-19	51.0				
40		217	46.8	-5	59.9	206	12.5	-10	5.4	194	4.6	-13	45.6	181	16.8	-16	46.3	167	48.0	-18	52.6	153	44.3	-19	51.3				
6	0	222	37.4	-6	3.4	211	2.6	-10	8.7	198	54.2	-13	48.4	186	5.8	-16	48.4	172	36.5	-18	54.0	158	32.4	-19	51.6				
20		227	27.9	-6	7.0	215	52.8	-10	11.9	203	43.8	-13	51.2	190	54.8	-16	50.6	177	25.0	-18	55.2	163	20.5	-19	51.9				
40		232	18.5	-6	10.5	220	42.9	-10	15.2	208	33.4	-13	54.0	195	43.9	-16	52.7	182	13.4	-18	56.5	168	8.6	-19	52.2				
7	0	237	9.0	-6	14.0	225	33.0	-10	18.4	213	23.0	-13	56.8	200	32.9	-16	54.8	187	1.9	-18	57.8	172	56.6	-19	52.4				
20		241	59.5	-6	17.5	230	23.1	-10	21.7	218	12.6	-13	59.6	205	21.9	-16	57.0	191	50.4	-18	59.0	177	44.7	-19	52.6				
40		246	50.1	-6	21.0	235	13.2	-10	24.9	223	2.2	-14	2.4	210	10.9	-16	59.1	196	38.8	-19	0.3	182	32.8	-19	52.9				
8	0	251	40.6	-6	24.5	240	3.3	-10	28.1	227	51.7	-14	5.1	214	59.9	-17	1.2	201	27.3	-19	1.5	187	20.9	-19	53.1				
20		256	31.1	-6	28.0	244	53.4	-10	31.4	232	41.3	-14	7.9	219	48.9	-17	3.3	206	15.8	-19	2.7	192	8.9	-19	53.2				
40		261	21.6	-6	31.5	249	43.5	-10	34.6	237	30.8	-14	10.7	224	37.9	-17	5.3	211	4.2	-19	3.9	196	57.0	-19	53.4				
9	0	266	12.1	-6	35.0	254	33.6	-10	37.8	242	20.4	-14	13.4	229	26.8	-17	7.4	215	52.6	-19	5.1	201	45.0	-19	53.6				
20		271	2.6	-6	38.5	259	23.7	-10	41.0	247	9.9	-14	16.1	234	15.8	-17	9.4	220	41.1	-19	6.3	206	33.1	-19	53.7				
40		275	53.1	-6	42.0	264	13.7	-10	44.2	251	59.5	-14	18.9	239	4.7	-17	11.5	225	29.5	-19	7.4	211	21.2	-19	53.8				
10	0	280	43.6	-6	45.5	269	3.8	-10	47.4	256	49.0	-14	21.6	243	53.7	-17	13.5	230	17.9	-19	8.6	216	9.2	-19	53.9				
20		285	34.1	-6	49.0	273	53.8	-10	50.6	261	38.5	-14	24.3	248	42.6	-17	15.5	235	6.3	-19	9.7	220	57.2	-19	54.0				
40		290	24.5	-6	52.5	278	43.9	-10	53.8	266	28.0	-14	27.0	253	31.6	-17	17.6	239	54.7	-19	10.8	225	45.3	-19	54.1				
11	0	295	15.0	-6	56.0	283	33.9	-10	57.0	271	17.5	-14	29.7	258	20.5	-17	19.6	244	43.1	-19	12.0	230	33.3	-19	54.2				
20		300	5.5	-6	59.4	288	24.0	-11	0.2	276	7.0	-14	32.4	263	9.4	-17	21.5	249	31.5	-19	13.0	235	21.4	-19	54.2				
40		304	55.9	-7	2.9	293	14.0	-11	3.4	280	56.5	-14	35.1	267	58.3	-17	23.5	254	19.9	-19	14.1	240	9.4	-19	54.2				
12	0	309	46.4	-7	6.4	298	4.0	-11	6.5	285	46.0	-14	37.7	272	47.2	-17	25.5	259	8.3	-19	15.2	244	57.4	-19	54.3				
20		314	36.9	-7	9.9	302	54.0	-11	9.7	290	35.4	-14	40.4	277	36.1	-17	27.4	263	56.6	-19	16.2	249	45.4	-19	54.3				
40		319	27.3	-7	13.3	307	44.0	-11	12.9	295	24.9	-14	43.0	282	25.0	-17	29.4	268	45.0	-19	17.3	254	33.5	-19	54.2				
13	0	324	17.7	-7	16.8	312	34.0	-11	16.0	300	14.4	-14	45.7	287	13.9	-17	31.3	273	33.4	-19	18.3	259	21.5	-19	54.2				
20		329	8.2	-7	20.3	317	24.0	-11	19.2	305	3.8	-14	48.7	292	2.7	-17	33.2	278	21.7	-19	19.3	264	9.5	-19	54.2				
40		333	58.6	-7	23.7	322	14.0	-11	22.3	309	53.2	-14	51.0	296	51.6	-17	35.1	283	10.1	-19	20.3	268	57.5	-19	54.1				
14	0	338	49.0	-7	27.2	327	4.0	-11	25.4	314	42.7	-14	53.6	301	40.4	-17	37.0	287	58.4	-19	21.3	273	45.5	-19	54.0				
20		343	39.5	-7	30.6	331	53.9	-11	28.6	319	32.1	-14	56.2	306	29.3	-17	38.9	292	46.8	-19	22.3	278	33.5	-19	53.9				
40		348	29.9	-7	34.1	336	43.9	-11	31.7	324	21.5	-14	58.8	311	18.1	-17	40.8	297	35.1	-19	23.2	283	21.5	-19	53.8				
15	0	353	20.3	-7	37.5	3																							

		17 Aug				18 Aug				19 Aug				20 Aug				21 Aug				22 Aug			
		GHA				GHA				GHA				GHA				GHA				GHA			
		Dec				Dec				Dec				Dec				Dec				Dec			
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>
0	0	57	44.6	-19	44.6	43	16.2	-18	25.8	28	59.4	-15	52.1	15	8.2	-12	16.2	1	49.3	-7	56.1	349	2.2	-3	12.4
20		62	32.6	-19	44.1	48	4.2	-18	24.2	33	47.7	-15	49.5	19	56.9	-12	12.8	6	38.4	-7	52.3	353	51.7	-3	8.4
40		67	20.5	-19	43.5	52	52.2	-18	22.5	38	35.9	-15	46.9	24	45.6	-12	9.4	11	27.6	-7	48.4	358	41.3	-3	4.4
1	0	72	8.5	-19	42.9	57	40.2	-18	20.8	43	24.2	-15	44.3	29	34.3	-12	6.1	16	16.7	-7	44.6	3	30.8	-3	0.4
20		76	56.4	-19	42.3	62	28.1	-18	19.2	48	12.5	-15	41.6	34	23.0	-12	2.7	21	5.9	-7	40.8	8	20.4	-2	56.4
40		81	44.3	-19	41.7	67	16.1	-18	17.5	53	0.7	-15	39.0	39	11.7	-11	59.3	25	55.1	-7	36.9	13	9.9	-2	52.3
2	0	86	32.3	-19	41.1	72	4.1	-18	15.7	57	49.0	-15	36.3	44	0.4	-11	55.9	30	44.2	-7	33.1	17	59.5	-2	48.3
20		91	20.2	-19	40.5	76	52.1	-18	14.0	62	37.3	-15	33.6	48	49.1	-11	52.5	35	33.4	-7	29.2	22	49.1	-2	44.3
40		96	8.1	-19	39.8	81	40.1	-18	12.3	67	25.6	-15	30.9	53	37.8	-11	49.1	40	22.6	-7	25.4	27	38.7	-2	40.3
3	0	100	56.1	-19	39.1	86	28.1	-18	10.5	72	13.9	-15	28.2	58	26.6	-11	45.6	45	11.8	-7	21.5	32	28.3	-2	36.3
20		105	44.0	-19	38.4	91	16.1	-18	8.7	77	2.2	-15	25.5	63	15.3	-11	42.2	50	0.9	-7	17.6	37	17.9	-2	32.3
40		110	31.9	-19	37.7	96	4.1	-18	7.0	81	50.5	-15	22.8	68	4.0	-11	38.8	54	50.1	-7	13.8	42	7.5	-2	28.3
4	0	115	19.9	-19	37.0	100	52.1	-18	5.2	86	38.8	-15	20.0	72	52.8	-11	35.3	59	39.3	-7	9.9	46	57.1	-2	24.2
20		120	7.8	-19	36.3	105	40.2	-18	3.3	91	27.1	-15	17.3	77	41.5	-11	31.9	64	28.6	-7	6.0	51	46.7	-2	20.2
40		124	55.7	-19	35.5	110	28.2	-18	1.5	96	15.5	-15	14.5	82	30.3	-11	28.4	69	17.8	-7	2.1	56	36.3	-2	16.2
5	0	129	43.7	-19	34.7	115	16.2	-17	59.7	101	3.8	-15	11.7	87	19.1	-11	24.9	74	7.0	-6	58.3	61	25.9	-2	12.2
20		134	31.6	-19	34.0	120	4.2	-17	57.8	105	52.1	-15	9.0	92	7.8	-11	21.0	78	56.2	-6	54.4	66	15.5	-2	8.2
40		139	19.5	-19	33.2	124	52.2	-17	55.9	110	40.5	-15	6.2	96	56.6	-11	18.5	83	45.5	-6	50.5	71	5.1	-2	4.2
6	0	144	7.4	-19	32.3	129	40.3	-17	54.1	115	28.8	-15	3.3	101	45.4	-11	14.5	88	34.7	-6	46.6	75	54.8	-2	0.2
20		148	55.4	-19	31.5	134	28.3	-17	52.2	120	17.2	-15	0.5	106	34.2	-11	11.0	93	23.9	-6	42.7	80	44.4	-1	56.1
40		153	43.3	-19	30.8	139	16.3	-17	50.2	125	5.5	-14	57.7	111	23.0	-11	7.5	98	13.2	-6	38.8	85	34.1	-1	52.1
7	0	158	31.2	-19	29.8	144	4.4	-17	48.3	129	53.9	-14	54.8	116	11.8	-11	4.0	103	2.4	-6	34.9	90	23.7	-1	48.1
20		163	19.1	-19	28.9	148	52.4	-17	46.4	134	42.2	-14	52.0	121	0.6	-11	4.0	107	51.7	-6	31.0	95	13.4	-1	44.1
40		168	7.1	-19	28.0	153	40.4	-17	44.4	139	30.6	-14	49.1	125	49.4	-10	56.9	112	41.0	-6	27.1	100	3.0	-1	40.1
8	0	172	55.0	-19	27.1	158	28.5	-17	42.4	144	19.0	-14	46.3	130	38.2	-10	53.4	117	30.2	-6	23.1	104	52.7	-1	36.1
20		177	42.9	-19	26.2	163	16.5	-17	40.5	149	7.4	-14	43.4	135	27.1	-10	49.8	122	19.5	-6	19.2	109	42.3	-1	32.1
40		182	30.8	-19	25.3	168	4.6	-17	38.5	153	55.8	-14	40.5	140	15.9	-10	46.3	127	8.8	-6	15.3	114	32.0	-1	28.0
9	0	187	18.8	-19	24.3	172	52.6	-17	36.4	158	44.2	-14	37.6	145	4.8	-10	42.7	131	58.1	-6	11.4	119	21.7	-1	24.0
20		192	6.7	-19	23.4	177	40.7	-17	34.4	163	32.6	-14	34.6	149	53.6	-10	39.1	136	47.4	-6	7.4	124	11.4	-1	20.0
40		196	54.6	-19	22.4	182	28.8	-17	32.4	168	21.0	-14	31.7	154	42.5	-10	35.6	141	36.7	-6	3.5	129	1.0	-1	16.0
10	0	201	42.5	-19	21.4	187	16.8	-17	30.3	173	9.4	-14	28.8	159	31.3	-10	32.0	146	26.0	-5	59.6	133	50.7	-1	12.0
20		206	30.5	-19	20.4	192	4.9	-17	28.3	177	57.8	-14	25.8	164	20.2	-10	28.4	151	15.3	-5	55.6	138	40.4	-1	8.0
40		211	18.4	-19	19.3	196	53.0	-17	26.2	182	46.3	-14	22.8	169	9.1	-10	24.8	156	4.7	-5	51.7	143	30.1	-1	4.0
11	0	216	6.3	-19	18.3	201	41.1	-17	24.1	187	34.7	-14	19.9	173	57.9	-10	21.2	160	54.0	-5	47.8	148	19.8	-1	0.0
20		220	54.2	-19	17.2	206	29.1	-17	22.0	192	23.1	-14	16.9	178	46.8	-10	17.6	165	43.3	-5	43.8	153	9.5	-0	56.0
40		225	42.2	-19	16.2	211	17.2	-17	19.9	197	11.6	-14	13.9	183	35.7	-10	14.0	170	32.7	-5	39.9	157	59.2	-0	52.0
12	0	230	30.1	-19	15.1	216	5.3	-17	17.7	202	0.0	-14	10.9	188	24.6	-10	10.4	175	22.0	-5	35.9	162	49.0	-0	48.0
20		235	18.0	-19	14.0	220	53.4	-17	15.6	206	48.5	-14	7.9	193	13.5	-10	6.7	180	11.4	-5	32.0	167	38.7	-0	44.0
40		240	5.9	-19	12.8	225	41.5	-17	13.4	211	36.9	-14	4.8	198	2.5	-10	3.1	185	0.7	-5	28.0	172	28.4	-0	39.9
13	0	244	53.9	-19	11.7	230	29.6	-17	11.2	216	25.4	-14	1.8	202	51.4	-9	59.5	189	50.1	-5	24.1	177	18.1	-0	35.9
20		249	41.8	-19	10.6	235	17.7	-17	9.0	221	13.9	-13	58.8	207	40.3	-9	55.8	194	39.4	-5	20.1	182	7.9	-0	31.9
40		254	29.7	-19	9.4	240	5.8	-17	6.8	226	2.3	-13	55.7	212	29.2	-9	52.2	199	28.8	-5	16.1	186	57.6	-0	27.9
14	0	259	17.7	-19	8.2	244	53.9	-17	4.6	230	50.8	-13	52.6	217	18.2	-9	48.5	204	18.2	-5	12.2	191	47.4	-0	23.9
20		264	5.6	-19	7.0	249	42.1	-17	2.4	235	39.3	-13	49.6	222	7.1	-9	44.8	209	7.6	-5	8.2	196	37.1	-0	20.0
40		268	53.5	-19	5.8	254	30.2	-17	0.2	240	27.8	-13	46.5	226	56.1	-9	41.2	213	57.0	-5	4.2	201	26.9	-0	16.0
15	0	273	41.5	-19	4.6	259	18.3	-16	57.9	245	16.3	-13	43.4	231	45.0	-9	37.5	218	46.4	-5	0.3	206	16.6	-0	12.0
20		278	29.4	-19	3.3	264	6.4	-16	55.6	250	4.8	-13	40.3	236	34.0	-9	33.8	223	35.8	-4	56.3	211	6.4	-0	8.0
40		283	17.3	-19	2.1	268	54.6	-16	53.4	254	53.3	-13	37.2	241	23.0	-9	30.1	228	25.2	-4	52.3	215	56.1	-0	4.0
16	0	288	5.3	-19	0.8	273	42.7	-16	51.1	259	41.9	-13	34.0	246	11.9	-9	26.4	233	14.6	-4	48.3	220	45.9	0	0.0
20		292	53.2	-18	59.5	278	30.8	-16	48.7	264	30.4	-13	30.9	251	0.9	-9	22.7	238	4.0	-4	44.4	225	35.7	0	4.0
40		297	41.1	-18	58.2	283	19.0	-16	46.4	269	18.9	-13	27.7	255	49.9	-9	19.0	242	53.4	-4	40.4	230	25.4	0	8.0
17	0	302	29.1	-18	56.9	288	7.1	-16	44.1	274	7.5	-13	24.6	260	38.9	-9	15.3	247	42.9	-4	36.4	235	15.2	0	12.0
20		307	17.0	-18	55.6	292	55.3	-16	41.7	278	56.0	-13	21.4	265	27.9	-9	11.6	252	32.3	-4	32.4	240	5.0	0	16.0
40		312	5.0	-18	54.2	297	43.5	-16	39.4	283	44.6	-13	18.2	270	16.9	-9	7.9	257	21.7	-4	28.4	244	54.8	0	19.9
18	0	316	52.9	-18	52.9	302	31.6	-16	37.0	288	33.1	-13	15.1	275	5.9	-9	4.1	262	11.2	-4	24.4	249	44.6	0	23.9
20		321	40.9	-18	51.5	307	19.8	-16	34.6	293	21.7	-13	11.9	279											

h	m	23 Aug				24 Aug				25 Aug				26 Aug				27 Aug				28 Aug			
		GHA	Dec	d	'	GHA	Dec	d	'	GHA	Dec	d	'	GHA	Dec	d	'	GHA	Dec	d	'	GHA	Dec	d	'
0	0	336	41.5	1	35.2	324	40.2	6	9.6	312	50.7	10	17.2	301	6.9	13	47.7	289	24.9	16	33.8	277	43.0	18	30.4
20	341	31.4	1	39.1	329	30.3	6	13.3	317	40.9	10	20.4	305	57.2	13	50.4	294	15.2	16	35.7	282	33.3	18	31.6	
40	346	21.3	289.9	1	43.1	334	20.3	6	16.9	322	31.1	10	23.6	310	47.4	13	53.0	299	5.4	16	37.7	287	23.5	18	32.9
1	0	351	11.2	1	47.0	339	10.4	6	20.6	327	21.3	10	26.8	315	37.7	13	55.6	303	55.7	16	39.6	292	13.8	18	34.1
20	356	1.0	289.9	1	50.9	344	0.5	6	24.2	332	11.5	10	30.0	320	27.9	13	58.2	308	45.9	16	41.6	297	4.0	18	35.3
40	0	50.9	289.9	1	54.8	348	50.6	6	27.8	337	1.7	10	33.1	325	18.2	14	0.8	313	36.2	16	43.5	301	54.3	18	36.6
2	0	5	40.8	1	58.8	353	40.7	6	31.4	341	51.9	10	36.3	330	8.4	14	3.3	318	26.4	16	45.4	306	44.5	18	37.8
20	10	30.7	289.9	2	2.7	358	30.8	6	35.1	346	42.1	10	39.5	334	58.6	14	5.9	323	16.7	16	47.3	311	34.8	18	39.0
40	15	20.6	289.9	2	6.6	3	20.9	6	38.7	351	32.3	10	42.6	339	48.9	14	8.5	328	6.9	16	49.2	316	25.0	18	40.1
3	0	20	10.5	2	10.5	8	11.0	6	42.3	356	22.5	10	45.7	344	39.1	14	11.0	332	57.2	16	51.1	321	15.3	18	41.3
20	25	0.4	289.9	2	14.4	13	1.1	6	45.9	1	12.7	10	48.9	349	29.4	14	13.6	337	47.4	16	53.0	326	5.5	18	42.5
40	29	50.3	289.9	2	18.3	17	51.2	6	49.5	6	2.9	10	52.0	354	19.6	14	16.1	342	37.7	16	54.9	330	55.8	18	43.6
4	0	34	40.2	2	22.3	22	41.3	6	53.1	10	53.1	10	55.1	359	9.9	14	18.6	347	27.9	16	56.7	335	46.1	18	44.8
20	39	30.1	289.9	2	26.2	27	31.4	6	56.7	15	43.3	10	58.2	4	0.1	14	21.2	352	18.2	16	58.6	340	36.3	18	45.9
40	44	20.0	289.9	2	30.1	32	21.5	7	0.2	20	33.5	11	1.3	8	50.4	14	23.7	357	8.4	17	0.4	345	26.6	18	47.0
5	0	49	9.9	2	34.0	37	11.6	7	3.8	25	23.8	11	4.4	13	40.6	14	26.2	1	58.7	17	2.2	350	16.8	18	48.2
20	53	59.9	289.9	2	37.8	42	1.7	7	7.4	30	14.0	11	7.5	18	30.9	14	28.7	6	48.9	17	4.1	355	7.1	18	49.3
40	58	49.8	289.9	2	41.7	46	51.8	7	10.9	35	4.2	11	10.6	23	21.1	14	31.2	11	39.2	17	5.9	359	57.3	18	50.4
6	0	63	39.7	2	45.6	51	42.0	7	14.5	39	54.4	11	13.7	28	11.4	14	33.6	16	29.4	17	7.7	4	47.6	18	51.4
20	68	29.6	289.9	2	49.5	56	32.1	7	18.0	44	44.6	11	16.7	33	1.6	14	36.1	21	19.7	17	9.5	9	37.8	18	52.5
40	73	19.6	289.9	2	53.4	61	22.2	7	21.6	49	34.8	11	19.8	37	51.9	14	38.6	26	10.0	17	11.3	14	28.1	18	53.6
7	0	78	9.5	2	57.3	66	12.3	7	25.1	54	25.0	11	22.8	42	42.1	14	41.0	31	0.2	17	13.0	19	18.4	18	54.6
20	82	59.4	289.9	3	1.1	71	2.4	7	28.7	59	15.3	11	25.9	47	32.4	14	43.4	35	50.5	17	14.8	24	8.6	18	55.7
40	87	49.4	289.9	3	5.0	75	52.6	7	32.2	64	5.5	11	28.9	52	22.6	14	45.9	40	40.7	17	16.6	28	58.9	18	56.7
8	0	92	39.3	3	8.9	80	42.7	7	35.7	68	55.7	11	31.9	57	12.9	14	48.3	45	31.0	17	18.3	33	49.1	18	57.7
20	97	29.3	290.0	3	12.7	85	32.8	7	39.2	73	45.9	11	35.0	62	3.1	14	50.7	50	21.2	17	20.0	38	39.4	18	58.7
40	102	19.2	290.0	3	16.6	90	23.0	7	42.7	78	36.1	11	38.0	66	53.4	14	53.1	55	11.5	17	21.8	43	29.6	18	59.7
9	0	107	9.2	3	20.5	95	13.1	7	46.2	83	26.4	11	41.0	71	43.6	14	55.5	60	1.7	17	23.5	48	19.9	19	0.7
20	111	59.2	290.0	3	24.3	100	3.2	7	49.7	88	16.6	11	44.0	76	33.9	14	57.9	64	52.0	17	25.2	53	10.1	19	1.7
40	116	49.1	290.0	3	28.2	104	53.4	7	53.2	93	6.8	11	47.0	81	24.1	15	0.3	69	42.2	17	26.9	58	0.4	19	2.7
10	0	121	39.1	3	32.0	109	43.5	7	56.7	97	57.0	11	49.9	86	14.4	15	2.6	74	32.5	17	28.6	62	50.7	19	3.7
20	126	29.0	290.0	3	35.8	114	33.6	8	0.2	102	47.3	11	52.9	91	4.6	15	5.0	79	22.7	17	30.2	67	40.9	19	4.6
40	131	19.0	290.0	3	39.7	119	23.8	8	3.7	107	37.5	11	55.9	95	54.9	15	7.4	84	13.0	17	31.9	72	31.2	19	5.5
11	0	136	9.0	3	43.5	124	13.9	8	7.1	112	27.7	11	58.8	100	45.1	15	9.7	89	3.2	17	33.6	77	21.4	19	6.5
20	140	59.0	290.0	3	47.3	129	4.1	8	10.6	117	17.9	12	1.8	105	35.4	15	12.0	93	53.5	17	35.2	82	11.7	19	7.4
40	145	49.0	290.0	3	51.2	133	54.2	8	14.0	122	8.2	12	4.7	110	25.6	15	14.3	98	43.7	17	36.8	87	2.0	19	8.3
12	0	150	38.9	3	55.0	138	44.4	8	17.5	126	58.4	12	7.6	115	15.9	15	16.7	103	34.0	17	38.5	91	52.2	19	9.2
20	155	28.9	290.0	3	58.8	143	34.5	8	20.9	131	48.6	12	10.6	120	6.1	15	19.0	108	24.2	17	40.1	96	42.5	19	10.1
40	160	18.9	290.0	4	2.6	148	24.7	8	24.4	136	38.8	12	13.5	124	56.4	15	21.3	113	14.5	17	41.7	101	32.7	19	11.0
13	0	165	8.9	4	6.4	153	14.8	8	27.8	141	29.1	12	16.4	129	46.6	15	23.5	118	4.7	17	43.3	106	23.0	19	11.8
20	169	58.9	290.0	4	10.2	158	5.0	8	31.2	146	19.3	12	19.3	134	36.9	15	25.8	122	55.0	17	44.9	111	13.3	19	12.7
40	174	48.9	290.0	4	14.0	162	55.1	8	34.6	151	9.5	12	22.2	139	27.1	15	28.1	127	45.2	17	46.4	116	3.5	19	13.5
14	0	179	38.9	4	17.8	167	45.3	8	38.0	155	59.8	12	25.1	144	17.4	15	30.3	132	35.5	17	48.0	120	53.8	19	14.4
20	184	28.9	290.0	4	21.6	172	35.5	8	41.5	160	50.0	12	27.9	149	7.6	15	32.6	137	25.7	17	49.6	125	44.0	19	15.2
40	189	18.9	290.0	4	25.4	177	25.6	8	44.9	165	40.2	12	30.8	153	57.9	15	34.8	142	16.0	17	51.1	130	34.3	19	16.0
15	0	194	8.9	4	29.2	182	15.8	8	48.2	170	30.5	12	33.7	158	48.1	15	37.1	147	6.2	17	52.7	135	24.6	19	16.8
20	198	58.9	290.0	4	33.0	187	5.9	8	51.6	175	20.7	12	36.5	163	38.4	15	39.3	151	56.5	17	54.2	140	14.8	19	17.6
40	203	49.0	290.0	4	36.7	191	56.1	8	55.0	180	10.9	12	39.4	168	28.6	15	41.5	156	46.7	17	55.7	145	5.1	19	18.4
16	0	208	39.0	4	40.5	196	46.3	8	58.4	185	1.2	12	42.2	173	18.9	15	43.7	161	37.0	17	57.2	149	55.4	19	19.2
20	213	29.0	290.0	4	44.3	201	36.4	9	1.7	189	51.4	12	45.0	178	9.1	15	45.9	166	27.2	17	58.7	154	45.6	19	20.0
40	218																								

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Moon

		29 Aug				30 Aug				31 Aug				1 Sep				2 Sep				3 Sep			
		GHA				GHA				GHA				GHA				GHA				GHA			
		Dec				Dec				Dec				Dec				Dec				Dec			
<i>h m</i>	<i>o d</i>	<i>o d</i>	<i>o d</i>	<i>d'</i>	<i>o d</i>	<i>o d</i>	<i>o d</i>	<i>d'</i>	<i>o d</i>	<i>o d</i>	<i>o d</i>	<i>d'</i>	<i>o d</i>	<i>o d</i>	<i>o d</i>	<i>d'</i>	<i>o d</i>	<i>o d</i>	<i>o d</i>	<i>d'</i>	<i>o d</i>	<i>o d</i>	<i>o d</i>	<i>d'</i>	
00	0	266	1.8	19	34.8	254	23.6	19	45.9	242	51.3	19	4.6	231	27.7	17	33.2	220	13.9	15	15.7	209	9.5	12	17.4
20	0	270	52.1	19	35.3	259	13.9	19	45.7	247	41.8	19	3.7	236	18.2	17	31.6	225	4.6	15	13.5	214	0.4	12	14.6
40	0	275	42.4	19	35.8	264	4.3	19	45.5	252	32.2	19	2.7	241	8.8	17	30.0	229	55.3	15	11.3	218	51.2	12	11.9
10	0	280	32.6	19	36.3	268	54.6	19	45.2	257	22.7	19	1.8	245	59.4	17	28.4	234	46.1	15	9.0	223	42.0	12	9.1
20	0	285	22.9	19	36.8	273	45.0	19	45.0	262	13.1	19	0.8	250	50.0	17	26.8	239	36.8	15	6.8	228	32.8	12	6.4
40	0	290	13.2	19	37.3	278	35.3	19	44.7	267	3.6	18	59.9	255	40.6	17	25.1	244	27.5	15	4.5	233	23.7	12	3.6
20	0	295	3.5	19	37.7	283	25.6	19	44.5	271	54.0	18	58.9	260	31.1	17	23.5	249	18.2	15	2.3	238	14.5	12	0.9
40	0	299	53.8	19	38.2	288	16.0	19	44.2	276	44.5	18	57.9	265	21.7	17	21.8	254	8.9	15	0.0	243	5.3	11	58.1
00	0	304	44.0	19	38.6	293	6.3	19	43.9	281	34.9	18	56.9	270	12.3	17	20.1	258	59.7	14	57.8	247	56.2	11	55.3
20	0	309	34.3	19	39.1	297	56.7	19	43.6	286	25.4	18	55.9	275	2.9	17	18.5	263	50.4	14	55.5	252	47.0	11	52.5
40	0	314	24.6	19	39.5	302	47.0	19	43.3	291	15.8	18	54.8	279	53.5	17	16.8	268	41.1	14	53.2	257	37.9	11	49.7
00	0	319	14.9	19	39.9	307	37.4	19	43.0	296	6.3	18	53.8	284	44.1	17	15.1	273	31.9	14	50.9	262	28.7	11	46.9
20	0	324	5.2	19	40.3	312	27.7	19	42.6	300	56.7	18	52.8	289	34.7	17	13.4	278	22.6	14	48.6	267	19.5	11	44.1
40	0	328	55.5	19	40.7	317	18.1	19	42.3	305	47.2	18	51.7	294	25.3	17	11.7	283	13.3	14	46.3	272	10.4	11	41.3
00	0	333	45.7	19	41.1	322	8.4	19	42.0	310	37.7	18	50.7	299	15.9	17	9.9	288	4.1	14	44.0	277	1.2	11	38.5
20	0	338	36.0	19	41.5	326	58.8	19	41.6	315	28.1	18	49.6	304	6.5	17	8.2	292	54.8	14	41.7	281	52.1	11	35.7
40	0	343	26.3	19	41.8	331	49.1	19	41.2	320	18.6	18	48.5	308	57.1	17	6.5	297	45.5	14	39.4	286	42.8	11	32.8
00	0	348	16.6	19	42.2	336	39.5	19	40.8	325	9.1	18	47.4	313	47.7	17	4.7	302	36.3	14	37.0	291	33.9	11	30.0
20	0	353	6.9	19	42.5	341	29.9	19	40.5	329	59.5	18	46.3	318	38.3	17	3.0	307	27.0	14	34.7	296	24.6	11	27.2
40	0	357	57.2	19	42.9	346	20.2	19	40.1	334	50.0	18	45.2	323	28.9	17	1.2	312	17.8	14	32.3	301	15.5	11	24.3
00	0	2	47.4	19	43.2	351	10.6	19	39.6	339	40.5	18	44.1	328	19.5	16	59.4	317	8.5	14	30.0	306	6.3	11	21.5
20	0	7	37.7	19	43.5	356	0.9	19	39.2	344	31.0	18	43.0	333	10.1	16	57.7	321	59.3	14	27.6	310	57.2	11	18.6
40	0	12	28.0	19	43.8	0	51.3	19	38.8	349	21.4	18	41.9	338	0.7	16	55.9	326	50.0	14	25.2	315	48.0	11	15.7
00	0	17	18.3	19	44.1	5	41.7	19	38.4	354	11.9	18	40.7	342	51.4	16	54.1	331	40.8	14	22.9	320	38.9	11	12.9
20	0	22	8.6	19	44.4	10	32.0	19	37.9	359	2.4	18	39.6	347	42.0	16	52.3	336	31.5	14	20.5	325	29.7	11	10.0
40	0	26	58.9	19	44.7	15	22.4	19	37.4	3	52.9	18	38.4	352	32.6	16	50.5	341	22.3	14	18.1	330	20.6	11	7.1
00	0	31	49.2	19	44.9	20	12.8	19	37.0	8	43.4	18	37.2	357	23.2	16	48.6	346	13.0	14	15.7	335	11.4	11	4.2
20	0	36	39.5	19	45.2	25	3.1	19	36.5	13	33.8	18	36.0	2	13.8	16	46.8	351	3.8	14	13.3	340	2.3	11	1.3
40	0	41	29.8	19	45.4	29	53.5	19	36.0	18	24.3	18	34.8	7	4.5	16	45.0	355	54.5	14	10.8	344	53.2	10	58.4
00	0	46	20.1	19	45.7	34	43.9	19	35.5	23	14.8	18	33.6	11	55.1	16	43.1	0	45.3	14	8.4	349	44.0	10	55.5
20	0	51	10.4	19	45.9	39	34.3	19	35.0	28	5.3	18	32.4	16	45.7	16	41.2	5	36.1	14	6.0	354	34.9	10	52.6
40	0	56	0.7	19	46.1	44	24.6	19	34.5	32	55.8	18	31.2	21	36.4	16	39.4	10	26.8	14	3.5	359	25.7	10	49.7
00	0	60	51.0	19	46.3	49	15.0	19	33.9	37	46.3	18	30.0	26	27.0	16	37.5	15	17.6	14	1.1	4	16.6	10	46.7
20	0	65	41.3	19	46.5	54	5.4	19	33.4	42	36.8	18	28.7	31	17.6	16	35.6	20	8.4	13	58.6	9	7.5	10	43.8
40	0	70	31.6	19	46.7	58	55.8	19	32.9	47	27.3	18	27.5	36	8.3	16	33.7	24	59.1	13	56.2	13	58.3	10	40.9
00	0	75	21.9	19	46.8	63	46.2	19	32.3	52	17.8	18	26.2	40	58.9	16	31.8	29	49.9	13	53.7	18	49.2	10	37.9
20	0	80	12.2	19	47.0	68	36.5	19	31.7	57	8.3	18	25.0	45	49.5	16	29.9	34	40.7	13	51.2	23	40.1	10	35.0
40	0	85	2.5	19	47.1	73	26.9	19	31.1	61	58.8	18	23.7	50	40.2	16	28.0	39	31.4	13	48.7	28	30.9	10	32.0
00	0	89	52.8	19	47.3	78	17.3	19	30.5	66	49.3	18	22.4	55	30.8	16	26.1	44	22.2	13	46.3	33	21.8	10	29.0
20	0	94	43.1	19	47.4	83	7.7	19	29.9	71	39.8	18	21.1	60	21.5	16	24.1	49	13.0	13	43.8	38	12.7	10	26.1
40	0	99	33.4	19	47.5	87	58.1	19	29.3	76	30.3	18	19.8	65	12.1	16	22.2	54	3.8	13	41.3	43	3.5	10	23.1
00	0	104	23.7	19	47.6	92	48.5	19	28.7	81	20.8	18	18.5	70	2.8	16	20.2	58	54.6	13	38.7	47	54.4	10	20.1
20	0	109	14.0	19	47.7	97	38.9	19	28.1	86	11.4	18	17.2	74	53.4	16	18.3	63	45.3	13	36.2	52	45.3	10	17.1
40	0	114	4.3	19	47.8	102	29.3	19	27.5	91	1.9	18	15.8	79	44.1	16	16.3	68	36.1	13	33.7	57	36.2	10	14.1
00	0	118	54.6	19	47.9	107	19.7	19	26.8	95	52.4	18	14.5	84	34.7	16	14.3	73	26.9	13	31.2	62	27.0	10	11.1
20	0	123	44.9	19	48.0	112	10.0	19	26.1	100	42.9	18	13.1	89	25.4	16	12.4	78	17.7	13	28.6	67	17.9	10	8.1
40	0	128	35.2	19	48.0	117	0.4	19	25.5	105	33.4	18	11.8	94	16.1	16	10.4	83	8.5	13	26.1	72	8.8	10	5.1
00	0	133	25.5	19	48.1	121	50.8	19	24.8	110	24.0	18	10.4	99	6.7	16	8.4	87	59.3	13	23.5	76	59.7	10	2.1
20	0	138	15.8	19	48.1	126	41.2	19	24.1	115	14.5	18	9.0	103	57.4	16	6.4	92	50.1	13	20.9	81	50.5	9	59.1

		4 Sep				5 Sep				6 Sep				7 Sep				8 Sep				9 Sep			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	198	11.8	8	45.0	187	16.0	4	46.7	176	15.8	0	31.8	165	3.7	-3	48.7	153	31.7	-8	2.7	141	32.5	-11	56.8
20		203	2.7	8	41.8	192	6.9	4	43.2	181	6.6	0	28.2	169	54.3	-3	52.3	158	21.9	-8	6.1	146	22.2	-11	59.9
40		207	53.6	8	38.7	196	57.8	4	39.8	185	57.3	0	24.6	174	44.8	-3	55.9	163	12.1	-8	9.6	151	12.0	-12	2.9
1	0	212	44.5	8	35.5	201	48.6	4	36.3	190	48.1	0	21.0	179	35.3	-3	59.5	168	2.3	-8	13.0	156	1.8	-12	5.9
20		217	35.4	8	32.4	206	39.5	4	32.9	195	38.9	0	17.4	184	25.9	-4	3.1	172	52.5	-8	16.4	160	51.6	-12	9.0
40		222	26.2	8	29.2	211	30.4	4	29.4	200	29.6	0	13.8	189	16.4	-4	6.7	177	42.7	-8	19.8	165	41.3	-12	12.0
2	0	227	17.1	8	26.0	216	21.3	4	25.9	205	20.4	0	10.2	194	6.9	-4	10.3	182	32.9	-8	23.2	170	31.1	-12	15.0
20		232	8.0	8	22.8	221	12.1	4	22.5	210	11.1	0	6.6	198	57.4	-4	13.9	187	23.1	-8	26.6	175	20.8	-12	18.0
40		236	58.9	8	19.6	226	3.0	4	19.0	215	1.9	0	3.0	203	48.0	-4	17.5	192	13.3	-8	30.0	180	10.6	-12	21.0
3	0	241	49.8	8	16.4	230	53.9	4	15.5	219	52.6	-0	0.7	208	38.5	-4	21.1	197	3.4	-8	33.4	185	0.3	-12	24.0
20		246	40.7	8	13.3	235	44.7	4	12.0	224	43.4	-0	4.3	213	29.0	-4	24.7	201	53.6	-8	36.7	189	50.1	-12	27.0
40		251	31.6	8	10.1	240	35.6	4	8.6	229	34.1	-0	7.9	218	19.5	-4	28.2	206	43.8	-8	40.1	194	39.8	-12	30.0
4	0	256	22.5	8	6.8	245	26.5	4	5.1	234	24.8	-0	11.5	223	10.0	-4	31.8	211	33.9	-8	43.5	199	29.5	-12	32.9
20		261	13.4	8	3.6	250	17.3	4	1.6	239	15.6	-0	15.1	228	0.5	-4	35.4	216	24.1	-8	46.9	204	19.2	-12	35.9
40		266	4.3	8	0.4	255	8.2	3	58.1	244	6.3	-0	18.7	232	51.0	-4	39.0	221	14.2	-8	50.2	209	8.9	-12	38.8
5	0	270	55.2	7	57.2	259	59.1	3	54.6	248	57.0	-0	22.4	237	41.5	-4	42.6	226	4.3	-8	53.6	213	58.6	-12	41.8
20		275	46.1	7	54.0	264	49.9	3	51.1	253	47.8	-0	26.0	242	31.9	-4	46.2	230	54.5	-8	57.0	218	48.3	-12	44.7
40		280	37.0	7	50.7	269	40.8	3	47.6	258	38.5	-0	29.6	247	22.4	-4	49.7	235	44.6	-8	0.3	223	38.0	-12	47.7
6	0	285	27.9	7	47.5	274	31.6	3	44.1	263	29.2	-0	33.2	252	12.9	-4	53.3	240	34.7	-9	3.7	228	27.7	-12	50.6
20		290	18.8	7	44.3	279	22.5	3	40.6	268	19.9	-0	36.8	257	3.4	-4	56.9	245	24.8	-9	7.0	233	17.4	-12	53.5
40		295	9.7	7	41.0	284	13.4	3	37.1	273	10.7	-0	40.5	261	53.8	-5	0.5	250	14.9	-9	10.3	238	7.0	-12	56.4
7	0	300	0.6	7	37.8	289	4.2	3	33.6	278	1.4	-0	44.1	266	44.3	-5	4.0	255	5.0	-9	13.7	242	56.7	-12	59.3
20		304	51.5	7	34.5	293	55.1	3	30.1	282	52.1	-0	47.7	271	34.7	-5	7.6	259	55.1	-9	17.0	247	46.3	-13	2.2
40		309	42.4	7	31.3	298	45.9	3	26.6	287	42.8	-0	51.3	276	25.2	-5	11.2	264	45.2	-9	20.3	252	36.0	-13	5.1
8	0	314	33.3	7	28.0	303	36.8	3	23.1	292	33.5	-0	55.0	281	15.6	-5	14.7	269	35.3	-9	23.7	257	25.6	-13	8.0
20		319	24.2	7	24.7	308	27.6	3	19.5	297	24.2	-0	58.6	286	6.1	-5	18.3	274	25.4	-9	27.0	262	15.3	-13	10.9
40		324	15.1	7	21.5	313	18.5	3	16.0	302	14.9	-1	2.2	290	56.5	-5	21.9	279	15.5	-9	30.3	267	4.9	-13	13.7
9	0	329	5.9	7	18.2	318	9.3	3	12.5	307	5.6	-1	5.8	295	47.0	-5	25.4	284	5.5	-9	33.6	271	54.5	-13	16.6
20		333	56.8	7	14.9	323	0.2	3	9.0	311	56.3	-1	9.4	300	37.4	-5	29.0	288	55.6	-9	36.9	276	44.1	-13	19.5
40		338	47.7	7	11.6	327	51.0	3	5.4	316	47.0	-1	13.1	305	27.8	-5	32.5	293	45.7	-9	40.2	281	33.7	-13	22.3
10	0	343	38.6	7	8.3	332	41.9	3	1.9	321	37.7	-1	16.7	310	18.3	-5	36.1	298	35.7	-9	43.5	286	23.3	-13	25.1
20		348	29.5	7	5.1	337	32.7	2	58.4	326	28.4	-1	20.3	315	8.7	-5	39.6	303	25.8	-9	46.8	291	12.9	-13	28.0
40		353	20.4	7	1.8	342	23.6	2	54.8	331	19.1	-1	23.9	319	59.1	-5	43.2	308	15.8	-9	50.1	296	2.5	-13	30.8
11	0	358	11.3	6	58.5	347	14.4	2	51.3	336	9.7	-1	27.6	324	49.5	-5	46.7	313	5.8	-9	53.3	300	52.1	-13	33.6
20		3	2.2	6	55.1	352	5.2	2	47.8	341	0.4	-1	31.2	329	39.9	-5	50.3	317	55.9	-9	56.6	305	41.7	-13	36.4
40		7	53.1	6	51.8	356	56.1	2	44.2	345	51.1	-1	34.8	334	30.3	-5	53.8	322	45.9	-9	59.9	310	31.2	-13	39.2
12	0	12	44.0	6	48.5	1	46.9	2	40.7	350	41.8	-1	38.5	339	20.7	-5	57.3	327	35.9	-10	3.1	315	20.8	-13	42.0
20		17	34.9	6	45.2	6	37.7	2	37.1	355	32.4	-1	42.1	344	11.1	-6	0.9	332	25.9	-10	6.4	320	10.4	-13	44.8
40		22	25.8	6	41.9	11	28.6	2	33.6	0	23.1	-1	45.7	349	1.5	-6	4.4	337	15.9	-10	9.7	324	59.9	-13	47.5
13	0	27	16.7	6	38.6	16	19.4	2	30.0	5	13.8	-1	49.3	353	51.9	-6	7.9	342	5.9	-10	12.9	329	49.4	-13	50.3
20		32	7.6	6	35.2	21	10.2	2	26.5	10	4.4	-1	53.0	358	42.2	-6	11.5	346	55.9	-10	16.1	334	39.0	-13	53.1
40		36	58.5	6	31.9	26	1.1	2	22.9	14	55.1	-1	56.6	3	32.6	-6	15.0	351	45.9	-10	19.4	339	28.5	-13	55.8
14	0	41	49.4	6	28.6	30	51.9	2	19.4	19	45.7	-2	0.2	8	23.0	-6	18.5	356	35.9	-10	22.6	344	18.0	-13	58.6
20		46	40.3	6	25.2	35	42.7	2	15.8	24	36.4	-2	3.8	13	13.3	-6	22.0	1	25.8	-10	25.8	349	7.5	-14	1.3
40		51	31.2	6	21.9	40	33.5	2	12.2	29	27.0	-2	7.5	18	3.7	-6	25.5	6	15.8	-10	29.1	353	57.1	-14	4.0
15	0	56	22.1	6	18.5	45	24.4	2	8.7	34	17.7	-2	11.1	22	54.0	-6	29.1	11	5.8	-10	32.3	358	46.6	-14	6.7
20		61	13.0	6	15.2	50	15.2	2	5.1	39	8.3	-2	14.7	27	44.4	-6	32.6	15	55.7	-10	35.5	3	36.0	-14	9.4
40		66	3.8	6	11.8	55	6.0	2	1.5	43	58.9	-2	18.3	32	34.7	-6	36.1	20	45.7	-10	38.7	8	25.5	-14	12.1
16	0	70	54.7	6	8.4	59	56.8	1	58.0	48	49.6	-2	21.9	37	25.1	-6	39.6	25	35.6	-10	41.9	13	15.0	-14	14.8
20		75	45.6	6	5.1	64	47.6	1	54.4	53	40.2	-2	25.6	42	15.4	-6	43.1	30	25.6	-10	45.1	18	4.5	-14	17.5
40		80	36.5	6	1.7	69	38.4	1	50.8	58	30.8	-2	29.2	47	5.7	-6	46.6	35	15.5	-10	48.3	22	54.0	-14	20.2
17	0	85	27.4	5	58.3	74	29.3	1	47.3	63	21.4	-2	32.8	51	56.1	-6	50.1	40	5.4	-10	51.4	27	43.4	-14	22.9
20		90	18.3	5	55.0	79	20.1	1	43.7	68	12.1	-2	36.4	56	46.4	-6	53.6	44	55.3	-10	54.6	32	32.9	-14	25.5
40		95	9.2	5	51.6	84	10.9	1	40.1	73	2.7	-2	40.1	61	36.7	-6	57.1	49	45.3	-10	57.8	37	22.3	-14	28.2
18	0	100	0.1	5	48.2	89	1.7	1	36.5	77	53.3	-2	43.7	66	27.0	-7	0.5	54	35.2	-11	0.9	42	11.8	-14	30.8
20		104	51.0	5	44.8	93	52.5	1	32.9	82	43.9	-2	47.3	71	17.3	-7	4.0	59	25.1	-11	4.1	47	1.2	-14	33.4
40		109	41.9	5	41.4	98	43.3	1	29.4	87	34.5</														

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h m	10 Sep					11 Sep					12 Sep					13 Sep					14 Sep					15 Sep				
	GHA					GHA					GHA					GHA					GHA					GHA				
	o	d	o	d	d'	o	d	o	d	d'	o	d	o	d	d'	o	d	o	d	d'	o	d	o	d	d'	o	d	o	d	d'
0 0	129	0.6	-15	16.8	-2.5	115	54.6	-17	48.4	-1.7	102	18.5	-19	19.0	-0.8	88	22.2	-19	39.1	0.3	74	19.9	-18	44.8	1.3	60	26.2	-16	38.8	2.2
20	133	49.9	-15	19.3	-2.5	120	43.5	-17	50.1	-1.7	107	7.0	-19	19.7	-0.8	93	10.5	-19	38.8	0.3	79	8.2	-18	43.5	1.3	65	14.7	-16	36.6	2.2
40	138	39.2	-15	21.7	-2.4	125	32.3	-17	51.8	-1.7	111	55.5	-19	20.5	-0.8	97	58.9	-19	38.6	0.3	83	56.6	-18	42.3	1.3	70	3.2	-16	34.3	2.2
1 0	143	28.5	-15	24.2	-2.4	130	21.1	-17	53.5	-1.7	116	44.0	-19	21.3	-0.7	102	47.2	-19	38.3	0.3	88	44.9	-18	41.0	1.3	74	51.8	-16	32.1	2.3
20	148	17.8	-15	26.6	-2.4	135	10.0	-17	55.2	-1.7	121	32.5	-19	22.0	-0.7	107	35.5	-19	38.0	0.3	93	33.2	-18	39.6	1.3	79	40.3	-16	29.8	2.3
40	153	7.1	-15	29.1	-2.4	139	58.8	-17	56.8	-1.7	126	20.9	-19	22.7	-0.7	112	23.8	-19	37.7	0.3	98	21.6	-18	38.3	1.3	84	28.9	-16	27.6	2.3
2 0	157	56.4	-15	31.5	-2.4	144	47.6	-17	58.5	-1.6	131	9.4	-19	23.4	-0.7	117	12.1	-19	37.4	0.3	103	9.9	-18	37.0	1.4	89	17.5	-16	25.3	2.3
20	162	45.6	-15	33.9	-2.4	149	36.5	-18	0.1	-1.6	135	57.9	-19	24.1	-0.7	122	0.4	-19	37.1	0.3	107	58.3	-18	35.6	1.4	94	6.0	-16	23.0	2.3
40	167	34.9	-15	36.3	-2.4	154	25.3	-18	1.7	-1.6	140	46.4	-19	24.8	-0.7	126	48.7	-19	36.7	0.3	112	46.6	-18	34.2	1.4	98	54.6	-16	20.7	2.3
3 0	172	24.2	-15	38.7	-2.4	159	14.1	-18	3.3	-1.6	145	34.8	-19	25.5	-0.6	131	37.0	-19	36.4	0.4	117	34.9	-18	32.9	1.4	103	43.2	-16	18.4	2.3
20	177	13.4	-15	41.1	-2.4	164	2.9	-18	4.9	-1.6	150	23.3	-19	26.1	-0.6	136	25.3	-19	36.0	0.4	122	23.3	-18	31.5	1.4	108	31.7	-16	16.1	2.3
40	182	2.7	-15	43.4	-2.4	168	51.7	-18	6.5	-1.6	155	11.7	-19	26.8	-0.6	141	13.6	-19	35.6	0.4	127	11.6	-18	30.1	1.4	113	20.3	-16	13.7	2.3
4 0	186	51.9	-15	45.8	-2.3	173	40.5	-18	8.1	-1.5	160	0.2	-19	27.4	-0.6	146	1.9	-19	35.2	0.4	131	60.0	-18	28.6	1.4	118	8.9	-16	11.4	2.4
20	191	41.2	-15	48.2	-2.3	178	29.3	-18	9.6	-1.5	164	48.6	-19	28.0	-0.6	150	50.2	-19	34.8	0.4	136	48.3	-18	27.2	1.4	122	57.5	-16	9.0	2.4
40	196	30.4	-15	50.5	-2.3	183	18.0	-18	11.2	-1.5	169	37.1	-19	28.6	-0.6	155	38.5	-19	34.4	0.4	141	36.7	-18	25.7	1.4	127	46.1	-16	6.6	2.4
5 0	201	19.6	-15	52.8	-2.3	188	6.8	-18	12.7	-1.5	174	25.5	-19	29.2	-0.6	160	26.7	-19	33.9	0.5	146	25.1	-18	24.3	1.5	132	34.7	-16	4.2	2.4
20	206	8.8	-15	55.2	-2.3	192	55.6	-18	14.2	-1.5	179	14.0	-19	29.8	-0.6	165	15.0	-19	33.5	0.5	151	13.4	-18	22.8	1.5	137	23.3	-16	1.9	2.4
40	210	58.0	-15	57.5	-2.3	197	44.3	-18	15.7	-1.5	184	2.4	-19	30.3	-0.6	170	3.3	-19	33.0	0.5	156	1.8	-18	21.3	1.5	142	11.9	-15	59.4	2.4
6 0	215	47.2	-15	59.8	-2.3	202	33.1	-18	17.2	-1.5	188	50.8	-19	30.9	-0.5	174	51.6	-19	32.5	0.5	160	50.1	-18	19.8	1.5	147	0.5	-15	57.0	2.4
20	220	36.4	-16	2.1	-2.3	207	21.9	-18	18.7	-1.5	193	39.3	-19	31.4	-0.5	179	39.9	-19	32.0	0.5	165	38.5	-18	18.3	1.5	151	49.1	-15	54.6	2.4
40	225	25.6	-16	4.4	-2.3	212	10.6	-18	20.2	-1.5	198	27.7	-19	31.9	-0.5	184	28.2	-19	31.5	0.5	170	26.9	-18	16.7	1.5	156	37.7	-15	52.1	2.4
7 0	230	14.8	-16	6.6	-2.3	216	59.3	-18	21.6	-1.5	203	16.1	-19	32.4	-0.5	189	16.5	-19	31.0	0.6	175	15.3	-18	15.2	1.6	161	26.4	-15	49.7	2.5
20	235	4.0	-16	8.9	-2.3	221	48.1	-18	23.1	-1.5	208	4.5	-19	32.9	-0.5	194	4.8	-19	30.4	0.6	180	3.6	-18	13.6	1.6	166	15.0	-15	47.2	2.5
40	239	53.1	-16	11.2	-2.2	226	36.8	-18	24.5	-1.5	212	52.9	-19	33.4	-0.5	198	53.1	-19	29.8	0.6	184	52.0	-18	12.0	1.6	171	3.6	-15	44.7	2.5
8 0	244	42.3	-16	13.4	-2.2	231	25.5	-18	26.0	-1.4	217	41.4	-19	33.8	-0.4	203	41.4	-19	29.3	0.6	189	40.4	-18	10.5	1.6	175	52.2	-15	42.3	2.5
20	249	31.5	-16	15.6	-2.2	236	14.3	-18	27.4	-1.4	222	29.8	-19	34.3	-0.4	208	29.7	-19	28.7	0.6	194	28.8	-18	8.9	1.6	180	40.9	-15	39.8	2.5
40	254	20.6	-16	17.9	-2.2	241	3.0	-18	28.8	-1.4	227	18.2	-19	34.7	-0.4	213	18.0	-19	28.1	0.6	199	17.2	-18	7.2	1.6	185	29.5	-15	37.2	2.5
9 0	259	9.7	-16	20.1	-2.2	245	51.7	-18	30.1	-1.4	232	6.6	-19	35.1	-0.4	218	6.3	-19	27.5	0.7	204	5.5	-18	5.6	1.7	190	18.2	-15	34.7	2.5
20	263	58.9	-16	22.3	-2.2	250	40.4	-18	31.5	-1.4	236	55.0	-19	35.5	-0.4	222	54.6	-19	26.8	0.7	208	53.9	-18	4.0	1.7	195	6.8	-15	32.2	2.5
40	268	48.0	-16	24.5	-2.2	255	29.1	-18	32.9	-1.4	241	43.4	-19	35.9	-0.4	227	42.8	-19	26.2	0.7	213	42.3	-18	2.3	1.7	199	55.5	-15	29.6	2.5
10 0	273	37.1	-16	26.6	-2.2	260	17.8	-18	34.2	-1.3	246	31.8	-19	36.3	-0.3	232	31.1	-19	25.5	0.7	218	30.7	-18	0.6	1.7	204	44.2	-15	27.1	2.6
20	278	26.3	-16	28.8	-2.2	265	6.5	-18	35.5	-1.3	251	20.2	-19	36.6	-0.3	237	19.4	-19	24.8	0.7	223	19.1	-17	59.0	2.6					
40	283	15.4	-16	31.0	-2.2	269	55.1	-18	36.9	-1.3	256	8.5	-19	37.0	-0.3	242	7.7	-19	24.1	0.7	228	7.5	-17	57.3	2.6					
11 0	288	4.5	-16	33.1	-2.1	274	43.8	-18	38.2	-1.3	260	56.9	-19	37.3	-0.3	246	56.0	-19	23.4	0.7	232	55.9	-17	55.6	2.6					
20	292	53.6	-16	35.3	-2.1	279	32.5	-18	39.5	-1.3	265	45.3	-19	37.6	-0.3	251	44.3	-19	22.7	0.7	237	44.3	-17	53.8	2.6					
40	297	42.7	-16	37.4	-2.1	284	21.2	-18	40.8	-1.3	270	33.7	-19	37.9	-0.3	256	32.6	-19	22.0	0.7	242	32.7	-17	52.1	2.6					
12 0	302	31.7	-16	39.5	-2.1	289	9.8	-18	42.0	-1.3	275	22.1	-19	38.2	-0.3	261	20.9	-19	21.2	0.8	247	21.1	-17	50.3	2.6					
20	307	20.8	-16	41.6	-2.1	293	58.5	-18	43.3	-1.3	280	10.5	-19	38.5	-0.3	266	9.2	-19	20.5	0.8	252	9.6	-17	48.6	2.6					
40	312	9.9	-16	43.7	-2.1	298	47.1	-18	44.5	-1.3	284	58.8	-19	38.8	-0.3	270	57.5	-19	19.7	0.8	256	58.0	-17	46.8	2.6					
13 0	316	59.0	-16	45.8	-2.1	303	35.8	-18	45.8	-1.2	289	47.2	-19	39.0	-0.2	275	45.8	-19	18.9	0.8	261	46.4	-17	45.0	2.6					
20	321	48.0	-16	47.9	-2.1	308	24.4	-18	47.0	-1.2	294	35.6	-19	39.2	-0.2	280	34.8	-19	18.1	0.8	266	34.8	-17	43.2	2.6					
40	326	37.1	-16	49.9	-2.1	313	13.1	-18	48.2	-1.2	299	23.9	-19	39.5	-0.2	285	22.3	-19	17.3	0.8	271	23.3	-17	41.4	2.6					
14 0	331	26.1	-16	52.0	-2.0	318	1.7	-18	49.4	-1.2	304	12.3	-19	39.7	-0.2	290	10.6	-19	16.5	0.9	276	11.7	-17	39.6	2.6					
20	336	15.2	-16	54.0	-2.0	322	50.3	-18	50.5	-1.2	309	0.7	-19	39.8	-0.2	294	58.9	-19	15.6	0.9	281	0.1	-17	37.7	2.6					
40	341	4.2	-16	56.1	-2.0	327	38.9	-18	51.7	-1.2	313	49.0	-19	40.0	-0.2	299	47.2	-19	14.7	0.9	285	48.6	-17	35.9	2.6					
15 0	345	53.2	-16	58.1	-2.0	332	27.6	-18	52.9	-1.1	318	37.4	-19	40.2	-0.1	304	35.5	-19	13.9	0.9	290	37.0	-17	34.0	2.6					
20	350	42.2	-17	0.1	-2.0	337	16.2	-18	54.0	-1.1	323	25.7	-19	40.3	-0.1	309	23.8	-19	13.0	0.9	295	25.4	-17	32.1	2.6					
40	355	31.2	-17	2.1	-2.0	342	4.8	-18	55.1	-1.1	328	14.1	-19	40.5	-0.1	314	12.1	-19	12.											

		16 Sep					17 Sep					18 Sep					19 Sep					20 Sep					21 Sep									
		GHA					GHA					GHA					GHA					GHA					GHA									
		Dec					Dec					Dec					Dec					Dec					Dec									
h	m	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'			
0	0	46	52.2	-13	30.1	33	43.6	-9	32.8	21	0.1	-5	4.0	8	37.6	-0	21.8	356	30.1	4	16.6	344	31.2	8	35.6											
20		51	41.1	-13	27.1	38	32.8	-9	29.2	25	49.6	-5	0.1	13	27.4	-0	17.8	1	20.0	4	20.3	349	21.2	8	39.0											
40		56	29.9	-13	24.1	43	22.0	-9	25.7	30	39.2	-4	56.3	18	17.2	-0	13.9	6	10.0	4	24.1	354	11.3	8	42.4											
1	0	61	18.8	-13	21.1	48	11.3	-9	22.1	35	28.8	-4	52.4	23	7.1	-0	10.0	10	60.0	4	27.9	359	1.3	8	45.8											
20		66	7.7	-13	18.0	53	0.5	-9	18.5	40	18.3	-4	48.5	27	56.9	-0	6.1	15	49.9	4	31.6	3	51.4	8	49.1											
40		70	56.6	-13	15.0	57	49.8	-9	15.0	45	7.9	-4	44.6	32	46.7	-0	2.1	20	39.9	4	35.4	8	41.5	8	52.5											
2	0	75	45.5	-13	12.0	62	39.0	-9	11.4	49	57.5	-4	40.8	37	36.5	0	1.8	25	29.9	4	39.1	13	31.5	8	55.9											
20		80	34.4	-13	8.9	67	28.3	-9	7.8	54	47.1	-4	36.9	42	26.3	0	5.7	30	19.9	4	42.8	18	21.6	8	59.2											
40		85	23.3	-13	5.8	72	17.5	-9	4.2	59	36.6	-4	33.0	47	16.2	0	9.7	35	9.9	4	46.6	23	11.6	9	2.6											
3	0	90	12.2	-13	2.8	77	6.8	-9	0.6	64	26.2	-4	29.1	52	6.0	0	13.6	39	59.8	4	50.3	28	1.7	9	5.9											
20		95	1.1	-12	59.7	81	56.1	-8	57.0	69	15.8	-4	25.2	56	55.8	0	17.5	44	49.8	4	54.0	32	51.7	9	9.3											
40		99	50.0	-12	56.6	86	45.3	-8	53.3	74	5.4	-4	21.3	61	45.7	0	21.4	49	39.8	4	57.8	37	41.8	9	12.6											
4	0	104	38.9	-12	53.5	91	34.6	-8	49.7	78	55.0	-4	17.4	66	35.5	0	25.3	54	29.8	5	1.5	42	31.8	9	15.9											
20		109	27.9	-12	50.4	96	23.9	-8	46.1	83	44.6	-4	13.5	71	25.3	0	29.3	59	19.8	5	5.2	47	21.9	9	19.3											
40		114	16.8	-12	47.3	101	13.2	-8	42.4	88	34.2	-4	9.6	76	15.2	0	33.2	64	9.8	5	8.9	52	12.0	9	22.6											
5	0	119	5.7	-12	44.1	106	2.5	-8	38.8	93	23.9	-4	5.7	81	5.0	0	37.1	68	59.8	5	12.6	57	2.0	9	25.9											
20		123	54.7	-12	41.0	110	51.8	-8	35.2	98	13.5	-4	1.8	85	54.9	0	41.0	73	49.8	5	16.3	61	52.1	9	29.2											
40		128	43.6	-12	37.9	115	41.1	-8	31.5	103	3.1	-3	57.9	90	44.7	0	44.9	78	39.8	5	20.0	66	42.1	9	32.5											
6	0	133	32.6	-12	34.7	120	30.4	-8	27.9	107	52.7	-3	54.0	95	34.6	0	48.8	83	29.8	5	23.7	71	32.2	9	35.8											
20		138	21.5	-12	31.5	125	19.8	-8	24.2	112	42.3	-3	50.1	100	24.4	0	52.7	88	19.7	5	27.4	76	22.3	9	39.0											
40		143	10.5	-12	28.4	130	9.1	-8	20.5	117	32.0	-3	46.2	105	14.3	0	56.6	93	9.7	5	31.1	81	12.3	9	42.3											
7	0	147	59.5	-12	25.2	134	58.4	-8	16.9	122	21.6	-3	42.3	110	4.2	1	0.5	97	59.7	5	34.7	86	2.4	9	45.6											
20		152	48.4	-12	22.0	139	47.7	-8	13.2	127	11.3	-3	38.4	114	54.0	1	4.5	102	49.7	5	38.4	90	52.5	9	48.8											
40		157	37.4	-12	18.8	144	37.1	-8	9.5	132	0.9	-3	34.5	119	43.9	1	8.4	107	39.7	5	42.1	95	42.5	9	52.1											
8	0	162	26.4	-12	15.6	149	26.4	-8	5.8	136	50.5	-3	30.5	124	33.8	1	12.3	112	29.8	5	45.8	100	32.6	9	55.3											
20		167	15.4	-12	12.4	154	15.8	-8	2.1	141	40.2	-3	26.6	129	23.6	1	16.2	117	19.8	5	49.4	105	22.6	9	58.6											
40		172	4.4	-12	9.2	159	5.1	-7	58.4	146	29.8	-3	22.7	134	13.5	1	20.1	122	9.8	5	53.1	110	12.7	10	1.8											
9	0	176	53.4	-12	5.9	163	54.5	-7	54.7	151	19.5	-3	18.8	139	3.4	1	23.9	126	59.8	5	56.7	115	2.8	10	5.0											
20		181	42.4	-12	2.7	168	43.8	-7	51.0	156	9.2	-3	14.9	143	53.3	1	27.8	131	49.8	6	0.4	119	52.8	10	8.2											
40		186	31.4	-11	59.4	173	33.2	-7	47.3	160	58.8	-3	10.9	148	43.1	1	31.7	136	39.8	6	4.0	124	42.9	10	11.5											
10	0	191	20.4	-11	56.2	178	22.6	-7	43.6	165	48.5	-3	7.0	153	33.0	1	35.6	141	29.8	6	7.7	129	33.0	10	14.7											
20		196	9.4	-11	52.9	183	11.9	-7	39.9	170	38.2	-3	3.1	158	22.9	1	39.5	146	19.8	6	11.3	134	23.0	10	17.9											
40		200	58.5	-11	49.7	188	1.3	-7	36.2	175	27.8	-2	59.2	163	12.8	1	43.4	151	9.8	6	14.9	139	13.1	10	21.0											
11	0	205	47.5	-11	46.4	192	50.7	-7	32.4	180	17.5	-2	55.2	168	2.7	1	47.3	155	59.8	6	18.5	144	3.2	10	24.2											
20		210	36.5	-11	43.1	197	40.1	-7	28.7	185	7.2	-2	51.3	172	52.6	1	51.2	160	49.9	6	22.8	148	53.3	10	27.4											
40		215	25.6	-11	39.8	202	29.5	-7	25.0	189	56.9	-2	47.4	177	42.5	1	55.0	165	39.9	6	25.8	153	43.3	10	30.6											
12	0	220	14.6	-11	36.5	207	18.9	-7	21.2	194	46.6	-2	43.5	182	32.4	1	58.9	170	29.9	6	29.4	158	33.4	10	33.7											
20		225	3.7	-11	33.2	212	8.3	-7	17.5	199	36.3	-2	39.5	187	22.3	2	2.8	175	19.9	6	33.0	163	23.5	10	36.9											
40		229	52.7	-11	29.9	216	57.7	-7	13.7	204	26.0	-2	35.6	192	12.2	2	6.7	180	9.9	6	36.6	168	13.5	10	40.0											
13	0	234	41.8	-11	26.6	221	47.1	-7	10.0	209	15.7	-2	31.7	197	2.1	2	10.5	184	59.9	6	40.2	173	3.6	10	43.2											
20		239	30.8	-11	23.2	226	36.5	-7	6.2	214	5.4	-2	27.7	201	52.0	2	14.4	189	50.0	6	43.8	177	53.7	10	46.3											
40		244	19.9	-11	19.9	231	25.9	-7	2.4	218	55.1	-2	23.8	206	41.9	2	18.3	194	40.0	6	47.3	182	43.8	10	49.4											
14	0	249	9.0	-11	16.5	236	15.3	-6	58.7	223	44.8	-2	19.9	211	31.8	2	22.1	199	30.0	6	50.9	187	33.8	10	52.5											
20		253	58.1	-11	13.2	241	4.8	-6	54.9	228	34.5	-2	15.9	216	21.7	2	26.0	204	20.0	6	54.5	192	23.9	10	55.6											
40		258	47.1	-11	9.8	245	54.2	-6	51.1	233	24.2	-2	12.0	221	11.6	2	29.8	209	10.1	6	58.0	197	14.0	10	58.7											
15	0	263	36.2	-11	6.4	250	43.6	-6	47.4	238	13.9	-2	8.1	226	1.6	2	33.7	214	0.1	7	1.6	202	4.0	11	1.8											
20		268	25.3	-11	3.1	255	33.1	-6	43.6	243	3.7	-2	4.1	230	51.5	2	37.5	218	50.1	7	5.2	206	54.1	11	4.9											
40		273	14.4	-10	59.7	260	22.5	-6	39.8	247	53.4	-2	0.2	235	41.4	2	41.4	223	40.2	7	8.7	211	44.2	11	8.0											
16	0	278	3.5	-10	56.3	265	12.0	-6	36.0	2																										

			22 Sep				23 Sep				24 Sep				25 Sep				26 Sep				27 Sep			
			GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d</i>	
0	0	332	36.1	12	22.4	320	41.8	15	27.3	308	48.1	17	43.3	296	56.6	19	6.7	285	10.5	19	35.9	273	33.2	19	12.0	
20	337	26.1	12	25.3	325	31.9	15	29.5	313	38.2	17	44.9	301	46.8	19	7.4	0.8	290	0.8	19	36.0	278	23.6	19	11.3	
40	342	16.2	12	28.2	330	22.0	15	31.8	318	28.3	17	46.4	306	36.9	19	8.2	0.8	294	51.0	19	36.0	283	14.0	19	10.6	
1	0	347	6.3	12	31.0	335	12.1	15	34.0	323	18.4	17	47.9	311	27.1	19	9.0	299	41.3	19	36.0	288	4.4	19	9.9	
20	351	56.4	12	33.9	340	2.2	15	36.2	328	8.5	17	49.4	316	17.2	19	9.7	0.7	304	31.5	19	36.0	292	54.8	19	9.1	
40	356	46.5	12	36.7	344	52.3	15	38.4	332	58.6	17	50.9	321	7.4	19	10.4	0.7	309	21.8	19	36.0	297	45.2	19	8.4	
2	0	1	36.5	12	39.6	349	42.3	15	40.6	337	48.7	17	52.3	325	57.6	19	11.2	314	12.1	19	35.9	302	35.6	19	7.6	
20	6	26.6	12	42.4	354	32.4	15	42.8	342	38.8	17	53.8	330	47.7	19	11.9	0.7	319	2.3	19	35.9	307	26.0	19	6.9	
40	11	16.7	12	45.2	359	22.5	15	44.9	347	28.9	17	55.3	335	37.9	19	12.6	0.7	323	52.6	19	35.9	312	16.4	19	6.1	
3	0	16	6.8	12	48.0	4	12.6	15	47.1	352	19.0	17	56.7	340	28.0	19	13.3	328	42.8	19	35.8	317	6.8	19	5.4	
20	20	56.8	12	50.8	9	2.7	15	49.2	357	9.1	17	58.1	345	18.2	19	14.0	0.7	333	33.1	19	35.7	321	57.2	19	4.6	
40	25	46.9	12	53.6	13	52.7	15	51.4	1	59.2	17	59.5	350	8.3	19	14.6	0.6	338	23.4	19	35.7	326	47.6	19	3.8	
4	0	30	37.0	12	56.4	18	42.8	15	53.5	6	49.3	18	1.0	354	58.5	19	15.3	343	13.6	19	35.6	331	38.0	19	3.0	
20	35	27.1	12	59.2	23	32.9	15	55.6	11	39.4	18	2.4	359	48.7	19	15.9	0.6	348	3.9	19	35.5	336	28.4	19	2.2	
40	40	17.2	13	1.9	28	23.0	15	57.7	16	29.5	18	3.8	4	38.8	19	16.6	0.6	352	54.2	19	35.4	341	18.8	19	1.3	
5	0	45	7.2	13	4.7	33	13.1	15	59.8	21	19.6	18	5.1	9	29.0	19	17.2	357	44.4	19	35.3	346	9.3	19	0.5	
20	49	57.3	13	7.4	38	3.2	16	1.9	26	9.7	18	6.5	14	19.2	19	17.8	0.6	2	34.7	19	35.1	350	59.7	18	59.7	
40	54	47.4	13	10.2	42	53.2	16	4.0	30	59.8	18	7.9	19	9.3	19	18.4	0.6	7	25.0	19	35.0	355	50.1	18	58.8	
6	0	59	37.5	13	12.9	47	43.3	16	6.1	35	49.9	18	9.2	23	59.5	19	19.0	12	15.3	19	34.9	0	40.5	18	57.9	
20	64	27.6	13	15.6	52	33.4	16	8.1	40	40.0	18	10.6	28	49.7	19	19.6	0.6	17	5.5	19	34.7	5	31.0	18	57.1	
40	69	17.6	13	18.4	57	23.5	16	10.2	45	30.1	18	11.9	33	39.8	19	20.2	0.6	21	55.8	19	34.5	10	21.4	18	56.2	
7	0	74	7.7	13	21.1	62	13.6	16	12.2	50	20.3	18	13.2	38	30.0	19	20.8	26	46.1	19	34.3	15	11.8	18	55.3	
20	78	57.8	13	23.8	67	3.7	16	14.3	55	10.4	18	14.5	43	20.2	19	21.3	0.5	31	36.4	19	34.2	20	2.3	18	54.4	
40	83	47.9	13	26.4	71	53.7	16	16.3	60	0.5	18	15.8	48	10.3	19	21.9	0.5	36	26.7	19	34.0	24	52.7	18	53.5	
8	0	88	38.0	13	29.1	76	43.8	16	18.3	64	50.6	18	17.1	53	0.5	19	22.4	41	17.0	19	33.8	29	43.2	18	52.6	
20	93	28.0	13	31.8	81	33.9	16	20.3	69	40.7	18	18.4	57	50.7	19	22.9	0.5	46	7.3	19	33.5	34	33.6	18	51.6	
40	98	18.1	13	34.5	86	24.0	16	22.3	74	30.8	18	19.6	62	40.9	19	23.5	0.5	50	57.6	19	33.3	39	24.0	18	50.7	
9	0	103	8.2	13	37.1	91	14.1	16	24.3	79	20.9	18	20.9	67	31.0	19	24.0	55	47.8	19	33.1	44	14.5	18	49.8	
20	107	58.3	13	39.8	96	4.2	16	26.3	84	11.0	18	22.1	72	21.2	19	24.5	0.5	60	38.1	19	32.8	49	4.9	18	48.8	
40	112	48.4	13	42.4	100	54.3	16	28.2	89	1.1	18	23.4	77	11.4	19	24.9	0.5	65	28.4	19	32.6	53	55.4	18	47.8	
10	0	117	38.4	13	45.0	105	44.3	16	30.2	93	51.2	18	24.6	82	1.6	19	25.4	70	18.7	19	32.3	58	45.8	18	46.9	
20	122	28.5	13	47.6	110	34.4	16	32.1	98	41.4	18	25.8	86	51.8	19	25.9	0.5	75	9.0	19	32.0	63	36.3	18	45.9	
40	127	18.6	13	50.3	115	24.5	16	34.1	103	31.5	18	27.0	91	42.0	19	26.3	0.5	79	59.4	19	31.7	68	26.8	18	44.9	
11	0	132	8.7	13	52.9	120	14.6	16	36.0	108	21.6	18	28.2	96	32.1	19	26.8	84	49.7	19	31.4	73	17.2	18	43.9	
20	136	58.8	13	55.5	125	4.7	16	37.9	113	11.7	18	29.4	101	22.3	19	27.2	0.4	89	40.0	19	31.1	78	7.7	18	42.9	
40	141	48.8	13	58.0	129	54.8	16	39.8	118	1.8	18	30.6	106	12.5	19	27.6	0.4	94	30.3	19	30.8	82	58.2	18	41.8	
12	0	146	38.9	14	0.6	134	44.9	16	41.7	122	51.9	18	31.7	111	2.7	19	28.0	99	20.6	19	30.5	87	48.6	18	40.8	
20	151	29.0	14	3.2	139	34.9	16	43.6	127	42.0	18	32.9	115	52.9	19	28.4	0.4	104	10.9	19	30.1	92	39.1	18	39.8	
40	156	19.1	14	5.7	144	25.0	16	45.5	132	32.2	18	34.0	120	43.1	19	28.8	0.4	109	1.2	19	29.8	97	29.6	18	38.7	
13	0	161	9.2	14	8.3	149	15.1	16	47.4	137	22.3	18	35.2	125	33.3	19	29.2	113	51.5	19	29.4	102	20.0	18	37.6	
20	165	59.2	14	10.8	154	5.2	16	49.2	142	12.4	18	36.3	130	23.5	19	29.6	0.4	118	41.9	19	29.1	107	10.5	18	36.6	
40	170	49.3	14	13.4	158	55.3	16	51.1	147	2.5	18	37.4	135	13.7	19	29.9	0.4	123	32.2	19	28.7	112	1.0	18	35.5	
14	0	175	39.4	14	15.9	163	45.4	16	52.9	151	52.6	18	38.5	140	3.9	19	30.3	128	22.5	19	28.3	116	51.5	18	34.4	
20	180	29.5	14	18.4	168	35.5	16	54.7	156	42.8	18	39.6	144	54.1	19	30.6	0.3	133	12.8	19	27.9	121	42.0	18	33.3	
40	185	19.6	14	20.9	173	25.5	16	56.5	161	32.9	18	40.7	149	44.3	19	31.0	0.3	138	3.2	19	27.5	126	32.5	18	32.2	
15	0	190	9.6	14	23.4	178	15.6	16	58.4	166	23.0	18	41.7	154	34.5	19	31.3	142	53.5	19	27.1	131	22.9	18	31.1	
20	194	59.7	14	25.9	183	5.7	17	0.2	171	13.1	18	42.8	159	24.7	19	31.6	0.3	147	43.8	19	26.6	136	13.4	18	30.0	
40	199	49.8	14	28.4	187	55.8	17	1.9	176	3.3	18	43.8	164	14.9	19	31.9	0.3	152	34.2	19	26.2	141	3.9	18	28.8	
16	0	204	39.9	14	30.8	192	45.9	17	3.7	180	53.4	18	44.9	169	5.1	19	32.2	157	24.5	19	25.7	145	54.4	18	27.7	
20	209	30.0	14	33.3	197	36.0	17	5.5	185	43.5	18	45.9	173	55.3	19	32.4	0.3	162	14.8	19	25.3	150	44.9	18	26.5	
40	214	20.1	14	35.7	202	26.1	17	7.2	190	33.6	18	46.9	178	45.5	19	32.7	0.3	167	5.2	19	24.8	155	35.4	18	25.4	
17	0	219	10.1	14	38.2	207	16.2	17	9.0	195	23.8	18	47.9	183	35.7	19	33.0	171	55.5	19	24.3	160	25.9	18	24.2	
20	224	0.2	14	40.6	212	6.3	17	10.7	200	13.9	18	48.9	188	25.9	19	33.2	0.2	176	45.9	19	23.8	165	16.4	18	23.0	
40	228	50.3	14	43.0	216	56.4	17	12.5	205	4.0	18	49.9	193	16.2	19	33.4	0.2	181	36.2	19	23.3	170	6.9	18	21.8	
18	0	233	40.4	14	45.4	221	46.4	17	14.2	209	54.1	18	50.9	198	6.4	19	33.7	186	26.5	19	22.8	174	57.5	18	20.6	
20	238	30.5	14	47.8	22																					

		28 Sep				29 Sep				30 Sep				1 Oct				2 Oct				3 Oct							
		GHA				GHA				GHA				GHA				GHA				GHA							
		Dec				Dec				Dec				Dec				Dec				Dec							
h	m	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	
0	0	262	7.1	17	57.4	250	52.9	15	56.1	239	49.2	13	13.0	228	52.4	9	53.8	217	56.9	6	5.5	206	55.6	1	56.2				
	20	266	57.6	17	56.0	255	43.6	15	54.1	244	40.0	13	10.4	233	43.3	9	50.8	222	47.7	6	2.1	211	46.4	1	52.6				
	40	271	48.2	17	54.6	260	34.3	15	52.1	249	30.9	13	7.9	238	34.2	9	47.8	227	38.6	5	58.8	216	37.1	1	49.0				
1	0	276	38.7	17	53.3	265	25.0	15	50.1	254	21.7	13	5.3	243	25.1	9	44.8	232	29.5	5	55.4	221	27.8	1	45.5				
	20	281	29.3	17	51.9	270	15.7	15	48.1	259	12.5	13	2.8	248	16.0	9	41.8	237	20.3	5	52.1	226	18.6	1	41.9				
	40	286	19.9	17	50.4	275	6.5	15	46.1	264	3.4	13	0.2	253	6.9	9	38.8	242	11.2	5	48.7	231	9.3	1	38.3				
2	0	291	10.4	17	49.0	279	57.2	15	44.0	268	54.2	12	57.7	257	57.8	9	35.8	247	2.1	5	45.4	236	0.0	1	34.7				
	20	296	1.0	17	47.6	284	47.9	15	42.0	273	45.1	12	55.1	262	48.7	9	32.8	251	52.9	5	42.0	240	50.7	1	31.2				
	40	300	51.6	17	46.2	289	38.6	15	39.9	278	35.9	12	52.5	267	39.6	9	29.7	256	43.8	5	38.6	245	41.5	1	27.6				
3	0	305	42.1	17	44.7	294	29.4	15	37.9	283	26.8	12	49.9	272	30.5	9	26.7	261	34.7	5	35.3	250	32.2	1	24.0				
	20	310	32.7	17	43.3	299	20.1	15	35.8	288	17.6	12	47.3	277	21.4	9	23.7	266	25.5	5	31.9	255	22.9	1	20.4				
	40	315	23.3	17	41.8	304	10.9	15	33.8	293	8.5	12	44.7	282	12.3	9	20.6	271	16.4	5	28.5	260	13.6	1	16.8				
4	0	320	13.9	17	40.3	309	1.6	15	31.7	297	59.4	12	42.1	287	3.2	9	17.6	276	7.3	5	25.1	265	4.3	1	13.2				
	20	325	4.5	17	38.8	313	52.3	15	29.6	302	50.2	12	39.5	291	54.1	9	14.5	280	58.1	5	21.7	269	55.0	1	9.7				
	40	329	55.0	17	37.3	318	43.1	15	27.5	307	41.1	12	36.9	296	45.0	9	11.4	285	49.0	5	18.3	274	45.7	1	6.1				
5	0	334	45.6	17	35.8	323	33.8	15	25.4	312	31.9	12	34.2	301	35.9	9	8.4	290	39.8	5	14.9	279	36.4	1	2.5				
	20	339	36.2	17	34.3	328	24.6	15	23.3	317	22.8	12	31.6	306	26.8	9	5.3	295	30.7	5	11.6	284	27.1	0	58.9				
	40	344	26.8	17	32.8	333	15.3	15	21.2	322	13.6	12	28.9	311	17.7	9	2.2	300	21.5	5	8.2	289	17.0	0	55.3				
6	0	349	17.4	17	31.3	338	6.1	15	19.0	327	4.5	12	26.3	316	8.6	8	59.2	305	12.4	5	4.7	294	8.5	0	51.7				
	20	354	8.0	17	29.7	342	56.8	15	16.9	331	55.4	12	23.6	320	59.5	8	56.1	310	3.2	5	1.3	298	59.2	0	48.1				
	40	358	58.6	17	28.2	347	47.6	15	14.8	336	46.2	12	21.0	325	50.4	8	53.0	314	54.1	4	57.9	303	49.9	0	44.5				
7	0	3	49.2	17	26.7	352	38.3	15	12.6	341	37.1	12	18.3	330	41.3	8	49.9	319	44.9	4	54.5	308	40.6	0	40.9				
	20	8	39.8	17	25.1	357	29.1	15	10.4	346	28.0	12	15.6	335	32.2	8	46.8	324	35.8	4	51.1	313	31.2	0	37.3				
	40	13	30.4	17	23.5	2	19.8	15	8.3	351	18.8	12	13.0	340	23.1	8	43.7	329	26.6	4	47.7	318	21.9	0	33.7				
8	0	18	21.0	17	21.9	7	10.6	15	6.1	356	9.7	12	10.3	345	14.0	8	40.6	334	17.5	4	44.2	323	12.6	0	30.1				
	20	23	11.6	17	20.4	12	1.4	15	3.9	1	0.6	12	7.6	350	4.9	8	37.4	339	8.3	4	40.8	328	3.3	0	26.5				
	40	28	2.2	17	18.8	16	52.1	15	1.7	5	51.4	12	4.9	354	55.8	8	34.3	343	59.1	4	37.4	332	53.9	0	22.8				
9	0	32	52.9	17	17.2	21	42.9	14	59.5	10	42.3	12	2.9	359	46.7	8	31.2	348	50.0	4	33.9	337	44.6	0	19.2				
	20	37	43.5	17	15.5	26	33.7	14	57.3	15	33.2	11	59.4	4	37.6	8	28.0	353	40.8	4	30.5	342	35.2	0	15.6				
	40	42	34.1	17	13.9	31	24.4	14	55.1	20	24.1	11	56.7	9	28.5	8	24.9	358	31.7	4	27.1	347	25.9	0	12.0				
10	0	47	24.7	17	12.3	36	15.2	14	52.9	25	14.9	11	54.0	14	19.4	8	21.8	3	22.5	4	23.6	352	16.5	0	8.4				
	20	52	15.3	17	10.6	41	6.0	14	50.7	30	5.8	11	51.3	19	10.3	8	18.6	8	13.3	4	20.2	357	7.2	0	4.8				
	40	57	6.0	17	9.0	45	56.8	14	48.4	34	56.7	11	48.5	24	1.2	8	15.5	13	4.1	4	16.7	1	57.8	0	1.2				
11	0	61	56.6	17	7.3	50	47.5	14	46.2	39	47.6	11	45.8	28	52.1	8	12.3	17	55.0	4	13.2	6	48.5	-0	2.5				
	20	66	47.2	17	5.7	55	38.3	14	43.9	44	38.4	11	43.0	33	43.1	8	9.1	22	45.8	4	9.8	11	39.1	-0	6.1				
	40	71	37.9	17	4.0	60	29.1	14	41.7	49	29.3	11	40.2	38	34.0	8	6.0	27	36.6	4	6.3	16	29.8	-0	9.7				
12	0	76	28.5	17	2.3	65	19.9	14	39.4	54	20.2	11	37.5	43	24.9	8	2.8	32	27.4	4	2.9	21	20.4	-0	13.3				
	20	81	19.1	17	0.6	70	10.7	14	37.1	59	11.1	11	34.7	48	15.8	7	59.6	37	18.3	3	59.4	26	11.0	-0	16.9				
	40	86	9.8	17	58.9	75	1.5	14	34.9	64	2.0	11	31.9	53	6.7	7	56.4	42	9.1	3	55.9	31	1.6	-0	20.6				
13	0	91	0.4	16	57.2	79	52.2	14	32.6	68	52.9	11	29.1	57	57.6	7	53.2	46	59.9	3	52.4	35	52.3	-0	24.2				
	20	95	51.1	16	55.5	84	43.0	14	30.3	73	43.7	11	26.4	62	48.4	7	50.1	51	50.7	3	49.0	40	42.9	-0	27.8				
	40	100	41.7	16	53.8	89	33.8	14	28.0	78	34.6	11	23.6	67	39.3	7	46.9	56	41.5	3	45.5	45	33.5	-0	31.4				
14	0	105	32.4	16	52.0	94	24.6	14	25.7	83	25.5	11	20.7	72	30.2	7	43.7	61	32.3	3	42.0	50	24.1	-0	35.1				
	20	110	23.0	16	50.3	99	15.4	14	23.4	88	16.4	11	17.9	77	21.1	7	40.4	66	23.1	3	38.5	55	14.7	-0	38.7				
	40	115	13.7	16	48.5	104	6.2	14	21.0	93	7.3	11	15.1	82	12.0	7	37.2	71	14.0	3	35.0	60	5.3	-0	42.3				
15	0	120	4.3	16	46.8	108	57.0	14	18.7	97	58.2	11	12.3	87	2.9	7	34.0	76	4.8	3	31.5	64	55.9	-0	46.0				
	20	124	55.0	16	45.0	113	47.8	14	16.4	102	49.1																		

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		4 Oct					5 Oct					6 Oct					7 Oct					8 Oct					9 Oct										
		GHA					GHA					GHA					GHA					GHA					GHA										
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h	m	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'	o	d	o	d'				
0	0	195	40.7	-2	24.2	184	3.8	-6	43.5	171	57.7	-10	47.8	159	17.6	-14	21.6	146	3.2	-17	8.9	132	20.1	-18	55.8												
0	20	200	31.2	-2	27.8	188	53.9	-6	47.0	176	47.4	-10	51.1	164	6.8	-14	24.3	150	51.9	-17	10.8	137	8.6	-18	56.8												
0	40	205	21.7	-2	31.4	193	44.1	-6	50.6	181	37.1	-10	54.3	168	56.0	-14	26.9	155	40.7	-17	12.8	141	57.0	-18	57.8												
1	0	210	12.1	-2	35.1	198	34.2	-6	54.1	186	26.7	-10	57.5	173	45.2	-14	29.6	160	29.4	-17	14.7	146	45.4	-18	58.7												
1	20	215	2.6	-2	38.7	203	24.3	-6	57.6	191	16.4	-11	0.7	178	34.4	-14	32.2	165	18.1	-17	16.6	151	33.8	-18	59.7												
1	40	219	53.1	-2	42.4	208	14.4	-7	1.1	196	6.1	-11	3.9	183	23.5	-14	34.9	170	6.9	-17	18.4	156	22.2	-19	0.6												
2	0	224	43.6	-2	46.0	213	4.5	-7	4.6	200	55.7	-11	7.0	188	12.7	-14	37.5	174	55.6	-17	20.3	161	10.6	-19	1.6												
2	20	229	34.0	-2	49.6	217	54.6	-7	8.2	205	45.3	-11	10.2	193	1.8	-14	40.1	179	44.3	-17	22.2	165	59.0	-19	2.5												
2	40	234	24.5	-2	53.3	222	44.7	-7	11.7	210	35.0	-11	13.4	197	51.0	-14	42.7	184	33.0	-17	24.0	170	47.4	-19	3.4												
3	0	239	14.9	-2	56.9	227	34.8	-7	15.2	215	24.6	-11	16.6	202	40.1	-14	45.4	189	21.7	-17	25.8	175	35.8	-19	4.3												
3	20	244	5.4	-3	0.5	232	24.8	-7	18.7	220	14.2	-11	19.7	207	29.3	-14	47.9	194	10.4	-17	27.7	180	24.2	-19	5.2												
3	40	248	55.8	-3	4.2	237	14.9	-7	22.2	225	3.8	-11	22.9	212	18.4	-14	50.5	198	59.1	-17	29.5	185	12.5	-19	6.1												
4	0	253	46.3	-3	7.8	242	5.0	-7	25.7	229	53.5	-11	26.0	217	7.5	-14	53.1	203	47.8	-17	31.3	190	0.9	-19	6.9												
4	20	258	36.7	-3	11.4	246	55.0	-7	29.2	234	43.1	-11	29.2	221	56.6	-14	55.7	208	36.4	-17	33.0	194	49.3	-19	7.8												
4	40	263	27.1	-3	15.1	251	45.1	-7	32.7	239	32.7	-11	32.3	226	45.7	-14	58.2	213	25.1	-17	34.8	199	37.7	-19	8.6												
5	0	268	17.6	-3	18.7	256	35.1	-7	36.1	244	22.2	-11	35.4	231	34.8	-15	0.8	218	13.8	-17	36.6	204	26.1	-19	9.4												
5	20	273	8.0	-3	22.3	261	25.2	-7	39.6	249	11.8	-11	38.5	236	23.9	-15	3.3	223	2.4	-17	38.3	209	14.4	-19	10.2												
5	40	277	58.4	-3	26.0	266	15.2	-7	43.1	254	1.4	-11	41.7	241	13.0	-15	5.8	227	51.1	-17	40.1	214	2.8	-19	11.0												
6	0	282	48.8	-3	29.6	271	5.3	-7	46.6	258	51.0	-11	44.8	246	2.1	-15	8.4	232	39.7	-17	41.8	218	51.2	-19	11.7												
6	20	287	39.2	-3	33.2	275	55.3	-7	50.1	263	40.5	-11	47.9	250	51.2	-15	10.9	237	28.4	-17	43.5	223	39.5	-19	12.5												
6	40	292	29.6	-3	36.9	280	45.3	-7	53.5	268	30.1	-11	51.0	255	40.3	-15	13.4	242	17.0	-17	45.2	228	27.9	-19	13.2												
7	0	297	20.0	-3	40.5	285	35.3	-7	57.0	273	19.6	-11	54.1	260	29.3	-15	15.9	247	5.7	-17	46.9	233	16.3	-19	14.0												
7	20	302	10.4	-3	44.1	290	25.3	-8	0.5	278	9.2	-11	57.1	265	18.4	-15	18.3	251	54.3	-17	48.5	238	4.6	-19	14.7												
7	40	307	0.8	-3	47.7	295	15.3	-8	3.9	282	58.7	-12	0.2	270	7.4	-15	20.8	256	42.9	-17	50.2	242	53.0	-19	15.4												
8	0	311	51.2	-3	51.4	300	5.3	-8	7.4	287	48.2	-12	3.3	274	56.5	-15	23.3	261	31.5	-17	51.8	247	41.3	-19	16.1												
8	20	316	41.6	-3	55.0	304	55.3	-8	10.8	292	37.8	-12	6.3	279	45.5	-15	25.7	266	20.2	-17	53.5	252	29.7	-19	16.7												
8	40	321	32.0	-3	58.6	309	45.3	-8	14.3	297	27.3	-12	9.4	284	34.5	-15	28.2	271	8.8	-17	55.1	257	18.0	-19	17.4												
9	0	326	22.3	-4	2.2	314	35.3	-8	17.7	302	16.8	-12	12.4	289	23.6	-15	30.6	275	57.4	-17	56.7	262	6.4	-19	18.0												
9	20	331	12.7	-4	5.9	319	25.2	-8	21.1	307	6.3	-12	15.5	294	12.6	-15	33.0	280	46.0	-17	58.3	266	54.7	-19	18.7												
9	40	336	3.1	-4	9.5	324	15.2	-8	24.6	311	55.8	-12	18.5	299	1.6	-15	35.4	285	34.6	-17	59.9	271	43.0	-19	19.3												
10	0	340	53.4	-4	13.1	329	5.2	-8	28.0	316	45.3	-12	21.5	303	50.6	-15	37.8	290	23.2	-18	1.5	276	31.4	-19	19.9												
10	20	345	43.8	-4	16.7	333	55.1	-8	31.4	321	34.8	-12	24.6	308	39.6	-15	40.2	295	11.8	-18	3.0	281	19.7	-19	20.5												
10	40	350	34.1	-4	20.3	338	45.1	-8	34.8	326	24.2	-12	27.6	313	28.6	-15	42.6	300	0.3	-18	4.6	286	8.1	-19	21.0												
11	0	355	24.5	-4	23.9	343	35.0	-8	38.3	331	13.7	-12	30.6	318	17.6	-15	45.0	304	48.9	-18	6.1	290	56.4	-19	21.6												
11	20	0	14.8	-4	27.6	348	24.9	-8	41.7	336	3.2	-12	33.6	323	6.5	-15	47.3	309	37.5	-18	7.6	295	44.7	-19	22.1												
11	40	5	5.1	-4	31.2	353	14.9	-8	45.1	340	52.6	-12	36.6	327	55.5	-15	49.7	314	26.1	-18	9.1	300	33.0	-19	22.7												
12	0	9	55.5	-4	34.8	358	4.8	-8	48.5	345	42.1	-12	39.5	332	44.5	-15	52.0	319	14.6	-18	10.6	305	21.4	-19	23.2												
12	20	14	45.8	-4	38.4	2	54.7	-8	51.9	350	31.5	-12	42.5	337	33.4	-15	54.3	324	3.2	-18	12.1	310	9.7	-19	23.7												
12	40	19	36.1	-4	42.0	7	44.6	-8	55.3	355	20.9	-12	45.5	342	22.4	-15	56.6	328	51.7	-18	13.6	314	58.0	-19	24.2												
13	0	24	26.4	-4	45.6	12	34.5	-8	58.7	0	10.4	-12	48.4	347	11.3	-15	58.9	333	40.3	-18	15.1	319	46.3	-19	24.6												
13	20	29	16.7	-4	49.2																																

h m	10 Oct					11 Oct					12 Oct					13 Oct					14 Oct					15 Oct																																														
	GHA			Dec		GHA			Dec		GHA			Dec		GHA			Dec		GHA			Dec		GHA			Dec																																											
	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'	o	d	'																																				
0 0	118	20.2	-19	32.2	104	19.0	-18	54.6	90	31.4	-17	5.9	77	7.8	-14	15.3	64	12.3	-10	35.7	51	43.0	-6	22.3	123	8.5	-19	32.2	109	7.4	-18	53.6	95	20.1	-17	4.0	81	56.8	-14	12.5	69	1.7	-10	32.3	56	32.8	-6	18.6	127	56.8	-19	32.2	113	55.8	-18	52.5	100	8.7	-17	2.0	86	45.9	-14	9.8	73	51.1	-10	29.0	61	22.5	-6	14.9
1 0	132	45.1	-19	32.1	118	44.2	-18	51.4	104	57.4	-17	0.0	91	34.9	-14	7.0	78	40.6	-10	25.7	66	12.3	-6	11.2	137	33.4	-19	32.1	123	32.6	-18	50.4	109	46.1	-16	58.0	96	24.0	-14	4.2	83	30.0	-10	22.3	71	2.1	-6	7.5	142	21.7	-19	32.0	128	20.9	-18	49.3	114	34.7	-16	56.0	101	13.0	-14	1.4	88	19.5	-10	19.0	75	51.8	-6	3.8
2 0	147	10.0	-19	31.9	133	9.3	-18	48.2	119	23.4	-16	53.9	106	2.1	-13	58.6	93	8.9	-10	15.6	80	41.6	-6	0.1	151	58.3	-19	31.8	137	57.7	-18	47.0	124	12.1	-16	51.9	110	51.2	-13	55.8	97	58.4	-10	12.3	85	31.4	-5	56.4	156	46.5	-19	31.7	142	46.1	-18	45.9	129	0.8	-16	49.8	115	40.2	-13	53.0	102	47.8	-10	8.9	90	21.2	-5	52.7
3 0	161	34.8	-19	31.6	147	34.5	-18	44.8	133	49.5	-16	47.8	120	29.3	-13	50.2	107	37.3	-10	5.5	95	11.0	-5	49.0	166	23.1	-19	31.4	152	23.0	-18	43.6	138	38.2	-16	45.7	125	18.4	-13	47.4	112	26.8	-10	2.1	100	0.7	-5	45.3	171	11.4	-19	31.3	157	11.4	-18	42.4	143	26.9	-16	43.6	130	7.5	-13	44.5	117	16.2	-9	58.8	104	50.5	-5	41.6
4 0	175	59.7	-19	31.1	161	59.8	-18	41.2	148	15.6	-16	41.5	134	56.6	-13	41.7	122	5.7	-9	55.4	109	40.3	-5	37.8	180	48.0	-19	30.9	166	48.2	-18	40.0	153	4.3	-16	39.4	139	45.7	-13	38.8	126	55.2	-9	52.0	114	30.1	-5	34.1	185	36.3	-19	30.7	171	36.6	-18	38.8	157	53.0	-16	37.2	144	34.8	-13	36.0	131	44.7	-9	48.6	119	19.9	-5	30.4
5 0	190	24.6	-19	30.5	176	25.0	-18	37.6	162	41.8	-16	35.1	149	23.9	-13	33.1	136	34.2	-9	45.1	124	9.7	-5	26.7	195	12.9	-19	30.3	181	13.5	-18	36.3	172	30.5	-16	33.0	154	13.0	-13	30.2	141	23.7	-9	41.7	128	59.6	-5	22.9	200	1.1	-19	30.0	186	1.9	-18	35.1	177	19.2	-16	30.8	159	2.2	-13	27.3	146	13.2	-9	38.3	133	49.4	-5	19.2
6 0	204	49.4	-19	29.8	190	50.3	-18	33.8	177	8.0	-16	28.6	163	51.3	-13	24.4	151	2.7	-9	34.9	138	39.2	-5	15.5	209	37.7	-19	29.5	195	38.8	-18	32.5	181	56.7	-16	26.4	168	40.4	-13	21.5	155	52.2	-9	31.4	143	29.0	-5	11.7	300	26.0	-19	29.2	200	27.2	-18	31.2	186	45.5	-16	24.2	173	29.6	-13	18.6	160	41.7	-9	28.0	148	18.8	-5	8.0
7 0	219	14.3	-19	28.9	205	15.6	-18	29.9	191	34.2	-16	22.0	178	18.7	-13	15.6	165	31.2	-9	24.6	153	8.7	-5	4.2	224	2.6	-19	28.6	210	4.1	-18	28.6	196	23.0	-16	19.8	183	7.9	-13	12.7	170	20.8	-9	21.1	157	58.5	-5	0.5	228	50.9	-19	28.2	214	52.5	-18	27.3	201	11.8	-16	17.6	187	57.0	-13	9.7	175	10.3	-9	17.6	162	48.3	-4	56.7
8 0	233	39.2	-19	27.9	219	41.0	-18	25.9	206	0.5	-16	15.4	192	46.2	-13	6.8	179	59.8	-9	14.2	167	38.2	-4	53.0	238	27.5	-19	27.5	224	29.4	-18	24.6	210	49.3	-16	13.1	197	35.3	-13	3.8	184	49.4	-9	10.7	172	28.0	-4	49.2	243	15.8	-19	27.2	229	17.9	-18	23.2	215	38.1	-16	10.8	202	24.5	-13	0.9	189	38.9	-9	7.2	177	17.9	-4	45.5
9 0	248	4.1	-19	26.8	234	6.4	-18	21.8	220	26.9	-16	8.6	207	13.7	-12	57.9	194	28.5	-9	3.8	182	7.7	-4	41.7	252	52.4	-19	26.4	238	54.8	-18	20.4	225	15.7	-16	6.3	212	2.9	-12	54.9	199	18.0	-9	0.3	186	57.6	-4	38.0	257	40.7	-19	26.0	243	43.3	-18	19.0	230	4.5	-16	4.0	216	52.1	-12	51.9	204	7.6	-8	56.8	191	47.4	-4	34.2
10 0	262	29.0	-19	25.5	248	31.8	-18	17.5	234	53.3	-16	1.7	221	41.3	-12	48.9	208	57.2	-8	53.3	196	37.3	-4	30.4	267	17.3	-19	25.1	253	20.3	-18	16.1	239	42.1	-15	59.4	226	30.5	-12	45.9	213	46.7	-8	49.8	201	27.2	-4	26.7	272	5.6	-19	24.6	258	8.7	-18	14.6	244	30.9	-15	57.0	231	19.7	-12	42.8	218	36.3	-8	46.3	206	17.0	-4	22.9
11 0	276	53.9	-19	24.1	262	57.2	-18	13.2	249	19.7	-15	54.7	236	8.9	-12	39.8	223	25.9	-8	42.8	211	6.9	-4	19.1	281	42.2	-19	23.7	267	45.7	-18	11.7	254	8.5	-15	52.3	240	58.1	-12	36.8	228	15.5	-8	39.3	215	56.8	-4	15.3	286	30.5	-19	23.2	272	34.2	-18	10.2	258	57.4	-15	50.0	245	47.3	-12	33.7	233	5.1	-8	35.7	220	46.6	-4	11.6
12 0	291	18.8	-19	22.6	277	22.7	-18	8.7	263	46.2	-15	47.6	250	36.5	-12	30.7	237	54.7	-8	32.2	225	36.5	-4	7.8	296	7.1	-19	22.1	282	11.2	-18	7.2	268	35.0	-15	45.2	255	25.8	-12	27.6	242	44.3	-8	28.7	230	26.4	-4	4.0	300	55.4	-19	21.6	286	59.7	-18	5.6	273	23.9	-15	42.8	260	15.0	-12	24.5	247	33.9	-8	25.1	235	16.3	-4	0.2
13 0	305	43.7	-19	21.0	291	48.2	-18	4.1	278	12.7	-15	40.4	265	4.3	-12	21.5	252	23.5	-8	21.6	240	6.2	-3	56.4	310	32.0	-19	20.4	296	36.7	-18	2.5	283	1.6	-15	38.0	269	53.5	-12	18.4	257	13.1	-8	18.1	244	56.1	-3	52.7	315	20.4	-19	19.8	301	25.3	-18	1.0	287	50.4	-15	35.6	274	42.8	-12	15.3	262	2.7	-8	14.5	249	46.0	-3	48.9
14 0	320	8.7	-19	19.2	306	13.8	-17	59.4	292	39.3	-15	33.1	279	32.0	-12	12.2	266	52.3	-8	10.9	254	35.9	-3	45.1	324	57.0	-19	18.6	311	2.3	-17	57.8	297	28.2	-15	30.7	284	21.3	-12	9.1	271	42.0	-8	7.4	259	25.8	-3	41.3	329	45.3	-19	18.0	315	50.8	-17	56.2	302	17.1	-15	28.2	289	10.6	-12	6.0	276	31.6	-8	3.8	264	15.7	-3	37.5
15 0	334	33.6	-19	17.3	320	39.4	-17	54.5	307	5.9	-15	25.8	293	59.8	-12	2.8	281	21.2	-8	0.2	269	5.6	-3	33.7	339	21.9	-19	16.7	325	27.9	-17	52.9	311	54.8	-15	23.3	298	49.1	-11	59.7	286	10.9	-7	56.7	273	55.5	-3	29.9	344	10.3	-19	16.0	330	16.4	-17	51.3	316	43.7	-15	20.8	303	38.4	-11	56.6	291	0.5	-7	53.1	278	45.4	-3	26.1
16 0	348	58.6	-19	15.3	335	5.0	-17	49.6	321	32.6	-15	18.3	308	27.7	-11	53.4	295	50.2	-7	49.5	283	35.4	-3	22.3	353	46.9	-19	14.6	339	53.5	-17	47.9	326	21.5	-15	15.8	313	17.0	-11	50.2	300	39.8	-7	45.9	288	25.3	-3	18.5	358	35.2	-19	13.9	344	42.1	-17	46.2	331	10.4	-15	13.3	318	6.3	-11	47.1	305	29.5	-7	42.3	293	15.2	-3	14.7
17 0	3	23.6	-19	13.2	349	30.7	-17	44.5	335	59.3	-15	10.7	322	55.6	-11	43.9	310	19.1	-7	38.7	298	5.1	-3	10.9	8	11.9	-19	12.4	354	19.2	-17	42.8	340	48.3	-15	8.2	327	44.9	-11	40.7	315	8.8	-7	35.1	302	55.1	-3	7.1	13	0.2	-19	11.7	359	7.8	-17	41.1	345	37.2	-15	5.7	332	34.2	-11	37.5	319	58.5	-7	31.5	307	45.0	-3	3.3
18 0	17	48.6	-19	10.9	3	56.3	-17	39.3	350	26.1	-15	3.1	337	23.6	-11	34.4	324	48.1	-7	27.9	312	34.9	-2	59.5	22	36.9	-19	10.1	8	44.9	-17	37.6	355	15.1	-15	0.5	342	12.9	-11	31.2	329	37.8	-7	24.3	317	24.9	-2	55.7	27	25.3	-19	9.3	13	33.5	-17	35.8	40	4.0	-14	57.9	347	2.2	-11	27.9	334	27.5	-7	20.7	322	14.8	-2	51.9
19 0	32	13.6	-19	8.5	18	22.1	-17	34.1	4	52.9	-14	55.3	351	51.6	-11	24.7	339	17.2	-7	17.1	327	4.8	-2	48.1	37	1.9	-19	7.7	23	10.7	-17	32.3	9	41.9	-14	52.7	356	40.9	-11	21.5	344	6.9	-7	13.4	331	54.7	-2	44.2	41	50.3	-19	6.8	27	59.3	-1																	

		16 Oct			17 Oct			18 Oct			19 Oct			20 Oct			21 Oct								
		GHA			GHA			GHA			GHA			GHA			GHA								
		Dec			Dec			Dec			Dec			Dec			Dec								
h	m	o	d	o	d	o	d	o	d	o	d	o	d	o	d	o	d								
0	0	39	34.3	-1	50.8	27	38.5	2	43.2	15	48.4	7	5.1	3	58.1	11	1.7	352	4.3	14	21.5	340	6.7	16	55.7
	20	44	24.3	-1	47.0	32	28.6	2	47.0	20	38.6	7	8.6	8	48.2	11	4.7	356	54.3	14	24.0	344	56.7	16	57.5
	40	49	14.2	-1	43.1	37	18.8	2	50.7	25	28.7	7	12.1	13	38.3	11	7.8	1	44.4	14	26.4	349	46.7	16	59.3
1	0	54	4.2	-1	39.3	42	8.9	2	54.5	30	18.9	7	15.6	18	28.4	11	10.8	6	34.4	14	28.9	354	36.7	17	1.1
	20	58	54.2	-1	35.5	46	59.0	2	58.2	35	9.0	7	19.1	23	18.6	11	13.8	11	24.5	14	31.3	359	26.7	17	2.8
	40	63	44.2	-1	31.7	51	49.1	3	2.0	39	59.2	7	22.5	28	8.7	11	16.9	16	14.5	14	33.8	4	16.7	17	4.6
2	0	68	34.2	-1	27.8	56	39.2	3	5.7	44	49.3	7	26.0	32	58.8	11	19.9	21	4.6	14	36.2	9	6.8	17	6.3
	20	73	24.2	-1	24.0	61	29.4	3	9.4	49	39.5	7	29.4	37	48.9	11	22.9	25	54.6	14	38.6	13	56.8	17	8.1
	40	78	14.2	-1	20.2	66	19.5	3	13.2	54	29.6	7	32.9	42	39.0	11	25.9	30	44.7	14	41.0	18	46.8	17	9.8
3	0	83	4.2	-1	16.4	71	9.6	3	16.9	59	19.7	7	36.3	47	29.1	11	28.9	35	34.7	14	43.4	23	36.8	17	11.5
	20	87	54.3	-1	12.5	75	59.7	3	20.6	64	9.9	7	39.8	52	19.2	11	31.9	40	24.8	14	45.8	28	26.8	17	13.2
	40	92	44.3	-1	8.7	80	49.8	3	24.4	69	0.0	7	43.2	57	9.3	11	34.8	45	14.8	14	48.2	33	16.8	17	14.9
4	0	97	34.3	-1	4.9	85	40.0	3	28.1	73	50.2	7	46.6	61	59.4	11	37.8	50	4.9	14	50.6	38	6.8	17	16.5
	20	102	24.3	-1	1.1	90	30.1	3	31.8	78	40.3	7	50.1	66	49.5	11	40.8	54	54.9	14	52.9	42	56.9	17	18.2
	40	107	14.3	-0	57.2	95	20.2	3	35.5	83	30.5	7	53.5	71	39.6	11	43.7	59	45.0	14	55.3	47	46.9	17	19.9
5	0	112	4.3	-0	53.4	100	10.4	3	39.2	88	20.6	7	56.9	76	29.7	11	46.7	64	35.0	14	57.6	52	36.9	17	21.5
	20	116	54.4	-0	49.6	105	0.5	3	43.0	93	10.8	8	0.3	81	19.8	11	49.6	69	25.1	15	0.0	57	26.9	17	23.2
	40	121	44.4	-0	45.8	109	50.6	3	46.7	98	0.9	8	3.7	86	9.9	11	52.5	74	15.1	15	2.3	62	16.9	17	24.8
6	0	126	34.4	-0	41.9	114	40.7	3	50.4	102	51.0	8	7.1	91	0.0	11	55.5	79	5.2	15	4.6	67	6.9	17	26.4
	20	131	24.4	-0	38.1	119	30.9	3	54.1	107	41.2	8	10.5	95	50.1	11	58.4	83	55.2	15	6.9	71	57.0	17	28.0
	40	136	14.5	-0	34.3	124	21.0	3	57.8	112	31.3	8	13.9	100	40.2	11	13.4	88	45.2	15	9.2	76	47.0	17	29.6
7	0	141	4.5	-0	30.5	129	11.1	4	1.5	117	21.5	8	17.3	105	30.3	12	4.2	93	35.3	15	11.5	81	37.0	17	31.2
	20	145	54.5	-0	26.6	134	1.3	4	5.2	122	11.6	8	20.7	110	20.4	12	7.1	98	25.3	15	13.8	86	27.0	17	32.8
	40	150	44.6	-0	22.8	138	51.4	4	8.9	127	1.8	8	24.0	115	10.5	12	10.0	103	15.4	15	16.1	91	17.0	17	34.3
8	0	155	34.6	-0	19.0	143	41.5	4	12.6	131	51.9	8	27.4	120	0.6	12	12.9	108	5.4	15	18.3	96	7.0	17	35.9
	20	160	24.7	-0	15.2	148	31.7	4	16.2	136	42.0	8	30.8	124	50.7	12	15.7	112	55.4	15	20.6	100	57.0	17	37.4
	40	165	14.7	-0	11.3	153	21.8	4	19.9	141	32.2	8	34.1	129	40.8	12	18.6	117	45.5	15	22.8	105	47.1	17	39.0
9	0	170	4.8	-0	7.5	158	11.9	4	23.6	146	22.3	8	37.5	134	30.9	12	21.5	122	35.5	15	25.1	110	37.1	17	40.5
	20	174	54.8	-0	3.7	163	2.1	4	27.3	151	12.5	8	40.8	139	21.0	12	24.3	127	25.5	15	27.3	115	27.1	17	42.0
	40	179	44.9	0	0.1	167	52.2	4	30.9	156	2.6	8	44.1	144	11.1	12	27.1	132	15.6	15	29.5	120	17.1	17	43.5
10	0	184	34.9	0	3.9	172	42.4	4	34.6	160	52.7	8	47.5	149	1.2	12	30.0	137	5.6	15	31.7	125	7.1	17	45.0
	20	189	25.0	0	7.8	177	32.5	4	38.3	165	42.9	8	50.8	153	51.3	12	32.8	141	55.7	15	33.9	129	57.1	17	46.5
	40	194	15.0	0	11.6	182	22.6	4	41.9	170	33.0	8	54.1	158	41.4	12	35.6	146	45.7	15	36.1	134	47.1	17	48.0
11	0	199	5.1	0	15.4	187	12.8	4	45.6	175	23.2	8	57.4	163	31.5	12	38.4	151	35.7	15	38.3	139	37.2	17	49.4
	20	203	55.1	0	19.2	192	2.9	4	49.3	180	13.3	9	0.7	168	21.5	12	41.2	156	25.8	15	40.5	144	27.2	17	50.9
	40	208	45.2	0	23.0	196	53.1	4	52.9	185	3.4	9	4.0	173	11.6	12	44.0	161	15.8	15	42.6	149	17.2	17	52.3
12	0	213	35.3	0	26.8	201	43.2	4	56.6	189	53.6	9	7.3	178	1.7	12	46.8	166	5.8	15	44.8	154	7.2	17	53.8
	20	218	25.3	0	30.7	206	33.3	5	0.2	194	43.7	9	10.6	182	51.8	12	49.6	170	55.9	15	46.9	158	57.2	17	55.2
	40	223	15.4	0	34.5	211	23.5	5	3.8	199	33.8	9	13.9	187	41.9	12	52.3	175	45.9	15	49.0	163	47.2	17	56.6
13	0	228	5.5	0	38.3	216	13.6	5	7.5	204	24.0	9	17.2	192	32.0	12	55.1	180	35.9	15	51.2	168	37.3	17	58.0
	20	232	55.5	0	42.1	221	3.8	5	11.1	209	14.1	9	20.5	197	22.0	12	57.9	185	25.9	15	53.3	173	27.3	17	59.4
	40	237	45.6	0	45.9	225	53.9	5	14.7	214	4.2	9	23.7	202	12.1	13	0.6	190	16.0	15	55.4	178	17.3	18	0.8
14	0	242	35.7	0	49.7	230	44.0	5	18.4	218	54.4	9	27.0	207	2.2	13	3.3	195	6.0	15	57.5	183	7.3	18	2.1
	20	247	25.7	0	53.5	235	34.2	5	22.0	223	44.5	9	30.2	211	52.3	13	6.1	199	56.0	15	59.6	187	57.3	18	3.5
	40	252	15.8	0	57.3	240	24.3	5	25.6	228	34.6	9	33.5	216	42.4	13	8.8	204	46.1	16	1.6	192	47.3	18	4.9
15	0	257	5.9	1	1.1	245	14.5	5	29.2	233	24.8	9	36.7	221	32.4	13	11.5	209	36.1	16	3.7	197	37.4	18	6.2
	20	261	56.0	1	4.9	250	4.6	5	32.8	238	14.9	9	39.9	226	22.5	13	14.2	214	26.1	16	5.7	202	27.4	18	7.5
	40	266	46.1	1	8.7	254	54.8	5	36.4	243	5.0	9	43.2	231	12.6	13	16.9	219	16.1	16	7.8	207	17.4	18	8.8
16	0	271	36.1	1	12.5	259	44.9	5	40.0	247	55.2	9	46.4	236	2.7	13	19.6	224	6.2	16	9.8	212	7.4	18	10.1
	20	276	26.2	1	16.3	264	35.1	5	43.6	252	45.3	9	49.6	240	52.8	13	22.3	228	56.2	16	11.9	216	57.4	18	11.4
	40	281	16.3	1	20.1	269	25.2	5	47.2	257	35.4	9	52.8	245	42.8	13	24.9	233	46.2	16	13.9	221	47.5	18	12.7
17	0	286	6.4	1	23.9	274	15.3	5	50.8	262	25.6	9	56.0	250	32.9	13	27.6	238	36.2	16	15.9	226	37.5	18	14.0
	20	290	56.5	1	27.7	279	5.5	5	54.4	267	15.7	9	59.2	255	23.0	13	30.2	243	26.3	16	17.9	231	27.5	18	15.3
	40	295	46.6	1	31.5	283	55.6	5	58.0	272	5.8	10	2.4	260	13.0	13	32.9	248	16.3	16	19.9	236	17.5	18	16.5
18	0	300	36.7	1	35.3	288	45.8	6	1.5	276	55.9	10	5.6	265	3.1	13	35.5	253	6.3	16	21.8	241	7.5	18	17.8
	20	305	26.8	1	39.1	293	35.9	6	5.1	281	46.1	10	8.8	269	53.2	13	38.2	257	56.3	16	23.8	245	57.6	18	19.0
	40	310	16.9	1	42.9	298	26.1	6	8.7	286	36.2	10	11.9	274	4										

		22 Oct			23 Oct			24 Oct			25 Oct			26 Oct			27 Oct									
		GHA			GHA			GHA			GHA			GHA			GHA									
		Dec			Dec			Dec			Dec			Dec			Dec									
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>								
0	0	328	8.0	18	38.4		316	13.1	19	26.6	304	27.4	19	20.5	292	55.1	18	22.5	281	38.3	16	36.9	270	36.1	14	8.9
20		332	58.1	18	39.4		321	3.3	19	26.9	309	17.7	19	20.0	297	45.6	18	21.4	286	29.0	16	35.2	275	27.0	14	6.6
40		337	48.1	18	40.5	1.0	325	53.4	19	27.2	314	8.0	19	19.6	302	36.1	18	20.2	291	19.7	16	33.4	280	17.9	14	4.2
1	0	342	38.1	18	41.5		330	43.5	19	27.4	318	58.2	19	19.1	307	26.6	18	19.1	296	10.4	16	31.6	285	8.8	14	1.9
20		347	28.2	18	42.5		335	33.6	19	27.7	323	48.5	19	18.6	312	17.1	18	17.9	301	1.1	16	29.8	289	59.7	13	59.5
40		352	18.2	18	43.5		340	23.8	19	27.9	328	38.8	19	18.1	317	7.6	18	16.7	305	51.8	16	28.0	294	50.6	13	57.2
2	0	357	8.2	18	44.5		345	13.9	19	28.2	333	29.1	19	17.6	321	58.1	18	15.5	310	42.6	16	26.2	299	41.5	13	54.8
20		1	58.3	18	45.5	1.0	350	4.0	19	28.4	338	19.4	19	17.1	326	48.6	18	14.3	315	33.3	16	24.3	304	32.4	13	52.4
40		6	48.3	18	46.5		354	54.2	19	28.6	343	9.7	19	16.6	331	39.1	18	13.1	320	24.0	16	22.5	309	23.3	13	50.1
3	0	11	38.3	18	47.4		359	44.3	19	28.8	348	0.0	19	16.0	336	29.6	18	11.9	325	14.7	16	20.6	314	14.2	13	47.7
20		16	28.4	18	48.4	0.9	4	34.5	19	29.0	352	50.4	19	15.5	341	20.1	18	10.6	330	5.5	16	18.8	319	5.1	13	45.3
40		21	18.4	18	49.3		9	24.6	19	29.2	357	40.7	19	14.9	346	10.7	18	9.4	334	56.2	16	16.9	323	56.0	13	42.9
4	0	26	8.5	18	50.2		14	14.7	19	29.3	2	31.0	19	14.4	351	1.2	18	8.1	339	47.0	16	15.1	328	46.9	13	40.5
20		30	58.5	18	51.2	0.9	19	4.9	19	29.5	7	21.3	19	13.8	355	51.7	18	6.9	344	37.7	16	13.2	333	37.8	13	38.1
40		35	48.6	18	52.1		23	55.0	19	29.6	12	11.6	19	13.2	0	42.2	18	5.6	349	28.4	16	11.3	338	28.8	13	35.6
5	0	40	38.6	18	53.0		28	45.2	19	29.8	17	1.9	19	12.6	5	32.8	18	4.3	354	19.2	16	9.4	343	19.7	13	33.2
20		45	28.6	18	53.9	0.9	33	35.3	19	29.9	21	52.3	19	12.0	10	23.3	18	3.0	359	9.9	16	7.5	348	10.6	13	30.8
40		50	18.7	18	54.7		38	25.5	19	30.0	26	42.6	19	11.4	15	13.9	18	1.7	4	0.7	16	5.6	353	1.5	13	28.3
6	0	55	8.7	18	55.6		43	15.7	19	30.1	31	32.9	19	10.7	20	4.4	18	0.4	8	51.5	16	3.7	357	52.5	13	25.9
20		59	58.8	18	56.5	0.8	48	5.8	19	30.2	36	23.3	19	10.1	24	55.0	17	59.1	13	42.2	16	1.8	2	43.4	13	23.4
40		64	48.8	18	57.3		52	56.0	19	30.3	41	13.6	19	9.5	29	45.5	17	57.8	18	33.0	15	59.8	7	34.3	13	21.0
7	0	69	38.9	18	58.1		57	46.1	19	30.4	46	3.9	19	8.8	34	36.1	17	56.5	23	23.7	15	57.9	12	25.3	13	18.5
20		74	28.9	18	59.0	0.8	62	36.3	19	30.4	50	54.3	19	8.1	39	26.6	17	55.1	28	14.5	15	56.0	17	16.2	13	16.0
40		79	19.0	18	59.8		67	26.5	19	30.5	55	44.6	19	7.5	44	17.2	17	53.8	33	5.3	15	54.0	22	7.1	13	13.6
8	0	84	9.0	19	0.6		72	16.6	19	30.5	60	35.0	19	6.8	49	7.7	17	52.4	37	56.0	15	52.0	26	58.1	13	11.1
20		88	59.1	19	1.4	0.8	77	6.8	19	30.6	65	25.3	19	6.1	53	58.3	17	51.0	42	46.8	15	50.1	31	49.0	13	8.6
40		93	49.2	19	2.1		81	57.0	19	30.6	70	15.7	19	5.4	58	48.9	17	49.7	47	37.6	15	48.1	36	39.9	13	6.1
9	0	98	39.2	19	2.9		86	47.1	19	30.6	75	6.0	19	4.7	63	39.4	17	48.3	52	28.4	15	46.1	41	30.9	13	3.6
20		103	29.3	19	3.7	0.8	91	37.3	19	30.6	79	56.4	19	3.9	68	30.0	17	46.9	57	19.2	15	44.1	46	21.8	13	1.1
40		108	19.3	19	4.4		96	27.5	19	30.6	84	46.7	19	3.2	73	20.6	17	45.5	62	9.9	15	42.1	51	12.8	12	58.5
10	0	113	9.4	19	5.2		101	17.7	19	30.6	89	37.1	19	2.4	78	11.2	17	44.1	67	0.7	15	40.1	56	3.7	12	56.0
20		117	59.5	19	5.9	0.7	106	7.9	19	30.6	94	27.5	19	1.7	83	1.8	17	42.6	71	51.5	15	38.1	60	54.7	12	53.5
40		122	49.5	19	6.6		110	58.0	19	30.5	99	17.8	19	0.9	87	52.3	17	41.2	76	42.3	15	36.0	65	45.6	12	50.9
11	0	127	39.6	19	7.3		115	48.2	19	30.5	104	8.2	19	0.2	92	42.9	17	39.8	81	33.1	15	34.0	70	36.6	12	48.4
20		132	29.6	19	8.0	0.7	120	38.4	19	30.4	108	58.6	18	59.4	97	33.5	17	38.3	86	23.9	15	32.0	75	27.5	12	45.8
40		137	19.7	19	8.7		125	28.6	19	30.3	113	49.0	18	58.6	102	24.1	17	36.9	91	14.7	15	29.9	80	18.5	12	43.3
12	0	142	9.8	19	9.4		130	18.8	19	30.2	118	39.4	18	57.8	107	14.7	17	35.4	96	5.5	15	27.9	85	9.4	12	40.7
20		146	59.8	19	10.0	0.6	135	9.0	19	30.2	123	29.7	18	57.0	112	5.3	17	33.9	100	56.3	15	25.8	90	0.4	12	38.1
40		151	49.9	19	10.7		139	59.2	19	30.1	128	20.1	18	56.1	116	55.9	17	32.4	105	47.1	15	23.7	94	51.4	12	35.6
13	0	156	40.0	19	11.3		144	49.4	19	29.9	133	10.5	18	55.3	121	46.5	17	30.9	110	37.9	15	21.7	99	42.3	12	33.0
20		161	30.1	19	12.0	0.6	149	39.6	19	29.8	138	0.9	18	54.5	126	37.1	17	29.4	115	28.8	15	19.6	104	33.3	12	30.4
40		166	20.1	19	12.6		154	29.8	19	29.7	142	51.3	18	53.6	131	27.8	17	27.9	120	19.6	15	17.5	109	24.2	12	27.8
14	0	171	10.2	19	13.2		159	20.0	19	29.5	147	41.7	18	52.8	136	18.4	17	26.4	125	10.4	15	15.4	114	15.2	12	25.2
20		176	0.3	19	13.8	0.6	164	10.2	19	29.4	152	32.1	18	51.9	141	9.0	17	24.9	130	1.2	15	13.3	119	6.2	12	22.6
40		180	50.4	19	14.4		169	0.4	19	29.2	157	22.5	18	51.0	145	59.6	17	23.4	134	52.0	15	11.1	123	57.2	12	19.9
15	0	185	40.4	19	15.0		173	50.7	19	29.1	162	12.9	18	50.1	150	50.2	17	21.8	139	42.9	15	9.0	128	48.1	12	17.3
20		190	30.5	19	15.5	0.5	178	40.9	19	28.9	167	3.3	18	49.2	155	40.9	17	20.3	144	33.7	15	6.9	133	39.1	12	14.7
40		195	20.6	19	16.1		183	31.1	19	28.7	171	53.8	18	48.3	160	31.5	17	18.7	149	24.5	15	4.8	138	30.1	12	12.0
16	0	200	10.7	19	16.6		188	21.3	19	28.5	176	44.2	18	47.4	165	22.1	17	17.1	154	15.4	15	2.6	143	21.0	12	9.4
20		205	0.8	19	17.2	0.5	193	11.5	19	28.3	181	34.6	18	46.5	170	12.8	17	15.6	159	6.2	15	0.5	148	12.0	12	6.8
40		209	50.9	19	17.7		198	1.8	19	28.0	186	25.0	18	45.5	175	3.4	17	14.0	163	57.0	14	58.3	153	3.0	12	4.1
17	0	214	40.9	19	18.2		202	52.0	19	27.8	191	15.4	18	44.6	179	54.1	17	12.4	168	47.9	14	56.1	157	54.0	12	1.4
20		219	31.0	19	18.7	0.5	207	42.2	19	27.5	196	5.9	18	43.6	184	44.7	17	10.8	173	38.7	14	53.9	162	45.0	11	58.8
40		224	21.1	19	19.2		212	32.5	19	27.3	200	56.3	18	42.7	189	35.4	17	9.2	178	29.6	14	51.8	167	35.9	11	56.1
18	0	229	11.2	19	19.7		217	22.7	19	27.0	205	46.7	18	41.7	194	26.0	17	7.5	183	20.4	14	49.6	172	26.9	1	

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h m	28 Oct						29 Oct						30 Oct						31 Oct						1 Nov						2 Nov							
	GHA			Dec			GHA			Dec			GHA			Dec			GHA			Dec			GHA			Dec			GHA			Dec				
	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d
0 0	259	44.8	11	4.1		248	58.3	7	28.8		238	8.3	3	29.8		227	5.5	-0	44.7		215	39.7	-5	4.5		203	41.5	-9	17.0									
20	264	35.8	11	1.3		253	49.3	7	25.6	-3.2	242	59.2	3	26.3	-3.5	231	56.1	-0	48.3	-3.6	220	30.0	-5	8.1	-3.6	208	31.2	-9	20.4	-3.4								
40	269	26.8	10	58.5	-2.8	258	40.3	7	22.4		247	50.1	3	22.9		236	46.8	-0	51.9		225	20.2	-5	11.7		213	21.0	-9	23.8									
1 0	274	17.8	10	55.7		263	31.3	7	19.2		252	41.0	3	19.4		241	37.4	-0	55.5		230	10.5	-5	15.3		218	10.7	-9	27.2									
20	279	8.9	10	52.9	-2.8	268	22.3	7	16.1	-3.2	257	31.9	3	16.0	-3.4	246	28.1	-0	59.1	-3.6	235	0.7	-5	18.9	-3.6	223	0.4	-9	30.5	-3.4								
40	283	59.9	10	50.1		273	13.4	7	12.9		262	22.8	3	12.5		251	18.7	-1	2.7		239	51.0	-5	22.5		227	50.2	-9	33.9									
2 0	288	50.9	10	47.2		278	4.4	7	9.7		267	13.7	3	9.1		256	9.3	-1	6.3		244	41.2	-5	26.1		232	39.9	-9	37.3									
20	293	41.9	10	44.4	-2.8	282	55.4	7	6.5	-3.2	272	4.6	3	5.6	-3.5	260	60.0	-1	9.9	-3.6	249	31.5	-5	29.6	-3.6	237	29.6	-9	40.6	-3.3								
40	298	32.9	10	41.6		287	46.4	7	3.3		276	55.5	3	2.1		265	50.6	-1	13.5		254	21.7	-5	33.2		242	19.3	-9	44.0									
3 0	303	23.9	10	38.7		292	37.4	7	0.0		281	46.4	2	58.6		270	41.2	-1	17.1		259	11.9	-5	36.8		247	9.0	-9	47.3									
20	308	14.9	10	35.9	-2.8	297	28.4	6	56.8	-3.2	286	37.3	2	55.2	-3.5	275	31.8	-1	20.7	-3.6	264	2.1	-5	40.4	-3.6	251	58.7	-9	50.7	-3.3								
40	313	5.9	10	33.0		302	19.4	6	53.6		291	28.1	2	51.7		280	22.4	-1	24.3		268	52.3	-5	43.9		256	48.4	-9	54.0									
4 0	317	56.9	10	30.2		307	10.4	6	50.4		296	19.0	2	48.2		285	13.0	-1	27.9		273	42.5	-5	47.5		261	38.0	-9	57.3									
20	322	48.0	10	27.3	-2.9	312	1.4	6	47.2	-3.2	301	9.9	2	44.7	-3.5	290	3.7	-1	31.5	-3.6	278	32.7	-5	51.1	-3.6	266	27.7	-10	0.7	-3.3								
40	327	39.0	10	24.4		316	52.4	6	43.9		306	0.8	2	41.2		294	54.2	-1	35.2		283	22.9	-5	54.7		271	17.3	-10	4.0									
5 0	332	30.0	10	21.5		321	43.5	6	40.7		310	51.6	2	37.8		299	44.8	-1	38.8		288	13.0	-5	58.2		276	7.0	-10	7.3									
20	337	21.0	10	18.7	-2.9	326	34.5	6	37.5	-3.2	315	42.5	2	34.3	-3.5	304	35.4	-1	42.4	-3.6	293	3.2	-6	1.8	-3.6	280	56.6	-10	10.6	-3.3								
40	342	12.0	10	15.8		331	25.5	6	34.2		320	33.3	2	30.8		309	26.0	-1	46.0		297	53.4	-6	5.4		285	46.3	-10	13.9									
6 0	347	3.0	10	12.9		336	16.5	6	31.0		325	24.2	2	27.3		314	16.6	-1	49.6		302	43.5	-6	8.9		290	35.9	-10	17.2									
20	351	54.1	10	10.0	-2.9	341	7.5	6	27.7	-3.3	330	15.1	2	23.8	-3.5	319	7.2	-1	53.2	-3.6	307	33.7	-6	12.5	-3.6	295	25.5	-10	20.5	-3.3								
40	356	45.1	10	7.1		345	58.5	6	24.4		335	5.9	2	20.3		323	57.7	-1	56.8		312	23.8	-6	16.0		300	15.1	-10	23.8									
7 0	1	36.1	10	4.2		350	49.5	6	21.2		339	56.8	2	16.8		328	48.3	-2	0.4		317	14.0	-6	19.6		305	4.7	-10	27.1									
20	6	27.1	10	1.2	-2.9	355	40.5	6	17.9	-3.3	344	47.6	2	13.3	-3.5	333	38.8	-2	4.0	-3.6	322	4.1	-6	23.1	-3.6	309	54.3	-10	30.4	-3.3								
40	11	18.1	9	58.3		0	31.5	6	14.6		349	38.5	2	9.8		338	29.4	-2	7.7		326	54.2	-6	26.7		314	43.9	-10	33.7									
8 0	16	9.2	9	55.4		5	22.5	6	11.4		354	29.3	2	6.2		343	19.9	-2	11.3		331	44.3	-6	30.2		319	33.5	-10	36.9									
20	21	0.2	9	52.5	-2.9	10	13.4	6	8.1	-3.3	359	20.1	2	2.7	-3.5	348	10.5	-2	14.9	-3.6	336	34.4	-6	33.8	-3.6	324	23.0	-10	40.2	-3.3								
40	25	51.2	9	49.5		15	4.4	6	4.8		4	11.0	1	59.2		353	1.0	-2	18.5		341	24.5	-6	37.3		329	12.6	-10	43.5									
9 0	30	42.2	9	46.6		19	55.4	6	1.5		9	1.8	1	55.7		357	51.5	-2	22.1		346	14.6	-6	40.9		334	2.1	-10	46.7									
20	35	33.2	9	43.6	-3.0	24	46.4	5	58.2	-3.3	13	52.6	1	52.2	-3.5	2	42.1	-2	25.7	-3.6	351	4.7	-6	44.4	-3.6	338	51.7	-10	50.0	-3.2								
40	40	24.3	9	40.7		29	37.4	5	54.9		18	43.5	1	48.6		7	32.6	-2	29.4		355	54.8	-6	47.9		343	41.2	-10	53.2									
10 0	45	15.3	9	37.7		34	28.4	5	51.6		23	34.3	1	45.1		12	23.1	-2	33.0		0	44.9	-6	51.5		348	30.7	-10	56.4									
20	50	6.3	9	34.8	-3.0	39	19.4	5	48.3	-3.3	28	25.1	1	41.6	-3.5	17	13.6	-2	36.6	-3.6	5	35.0	-6	55.0	-3.6	353	20.3	-10	59.7	-3.2								
40	54	57.3	9	31.8		44	10.4	5	45.0		33	15.9	1	38.1		22	4.1	-2	40.2		10	25.0	-6	58.5		358	9.8	-11	2.9									
11 0	59	48.4	9	28.8		49	1.4	5	41.7		38	6.7	1	34.5		26	54.6	-2	43.8		15	15.1	-7	2.1		2	59.3	-11	6.1									
20	64	39.4	9	25.8	-3.0	53	52.3	5	38.4	-3.3	42	57.5	1	31.0	-3.5	31	45.1	-2	47.4	-3.6	20	5.1	-7	5.6	-3.6	7	48.8	-11	9.3	-3.2								
40	69	30.4	9	22.8		58	43.3	5	35.1		47	48.3	1	27.5		36	35.6	-2	51.1		24	55.2	-7	9.1		12	38.2	-11	12.5									
12 0	74	21.4	9	19.8		63	34.3	5	31.8		52	39.1	1	23.9		41	26.1	-2	54.7		29	45.2	-7	12.6		17	27.7	-11	15.8									
20	79	12.5	9	16.8	-3.0	68	25.3	5	28.4	-3.3	57	29.9	1	20.4	-3.5	46	16.6	-2	58.3	-3.6	34	35.2	-7	16.1	-3.6	22	17.2	-11	18.9	-3.2								
40	84	3.5	9	13.8		73	16.2	5	25.1		62	20.7	1	16.8		51	7.0	-2	3.9		39	25.2	-7	19.6		27	6.6	-11	22.1									
13 0	88	54.5	9	10.8		78	7.2	5	21.8		67	11.5	1	13.3		55	57.5	-3	5.5		44	15.2	-7	23.1		31	56.1	-11	25.3									
20	93	45.5	9	7.8	-3.0	82	58.2	5	18.4	-3.3	72	2.3	1	9.7	-3.6	60	48.0	-3	9.1	-3.6	49	5.2	-7	26.7	-3.6	36	45.5	-11	28.5	-3.2								
40	98	36.6	9	4.8		87	49.2	5	15.1		76	53.1	1	6.2		65	38.4	-3	12.8		53	55.2	-7	30.2		41	35.0	-11	31.7									
14 0	103	27.6	9	1.8		92	40.1	5	11.8		81	43.9	1	2.6		70	28.9	-3	16.4		58	45.2	-7	33.7		46	24.4	-11	34.8									
20	108	18.6	8	58.8	-3.0	97	31.1	5	8.4	-3.4	86	34.6	0	59.1	-3.5	75	19.3	-3	20.0	-3.6	63	35.2	-7	37.2	-3.6	51	13.8	-11	38.0	-3.2								
40	113	9.6	8	55.7		102	22.1	5	5.1		91	25.4	0	55.5		80	9.8	-3	23.6		68	25.2	-7	40.6		56	3.2	-11	41.1									
15 0	118	0.7	8	52.7		107	13.0	5	1.7		96	16.2	0	52.0		85	0.2	-3	27.2		73	15.2	-7	44.1		60	52.6	-11	44.3									
20	122	51.7	8	49.6	-3.1	112	4.0	4	58.3	-3.4	101	7.0	0	48.4	-3.6	89	50.6	-3	30.8	-3.6	78	5.1	-7	47.6	-3.6	65	42.0	-11	47.4	-3.1								
40	127	42.7	8	46.6		116	55.0	4	55.0		105	57.7	0	44.9		94	41.0	-3	34.4		82	55.1	-7	51.1		70	31.4	-11	50.6									
16 0	132	33.7	8	43.5		121	45.9	4	51.6		110	48.5	0	41.3		99	31.5	-3	38.1		87	45.0	-7	54.6		75	20.8	-11	53.7									
20	1																																					

		3 Nov				4 Nov				5 Nov				6 Nov				7 Nov				8 Nov			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
0	0	191	3.4	-13	6.6	177	42.9	-16	15.8	163	44.8	-18	27.4	149	22.2	-19	27.8	134	54.6	-19	10.2	120	42.2	-17	37.0
20	195	52.6	289.2	-13	9.6	182	31.5	-16	18.1	168	32.9	-18	28.8	154	10.1	-19	28.1	139	42.6	-19	9.5	125	30.5	-17	35.2
40	200	41.7	289.2	-13	12.5	187	20.1	-16	20.4	173	21.1	-18	30.1	158	58.0	-19	28.3	144	30.6	-19	8.6	130	18.9	-17	33.4
1	0	205	30.9	-13	15.4	192	8.7	-16	22.6	178	9.2	-18	31.4	163	46.0	-19	28.6	149	18.6	-19	7.8	135	7.2	-17	31.6
20	210	20.0	289.1	-13	18.4	196	57.3	-16	24.8	182	57.3	-18	32.8	168	33.9	-19	28.9	154	6.6	-19	7.0	139	55.6	-17	29.8
40	215	9.2	289.1	-13	21.3	201	45.8	-16	27.0	187	45.5	-18	34.1	173	21.8	-19	29.1	158	54.7	-19	6.1	144	44.0	-17	27.9
2	0	219	58.3	-13	24.2	206	34.4	-16	29.2	192	33.6	-18	35.3	178	9.8	-19	29.3	163	42.7	-19	5.3	149	32.3	-17	26.1
20	224	47.4	289.1	-13	27.1	211	23.0	-16	31.4	197	21.7	-18	36.6	182	57.7	-19	29.5	168	30.7	-19	4.4	154	20.7	-17	24.2
40	229	36.5	289.0	-13	30.0	216	11.5	-16	33.6	202	9.8	-18	37.9	187	45.6	-19	29.7	173	18.8	-19	3.5	159	9.1	-17	22.3
3	0	234	25.6	-13	32.9	221	0.0	-16	35.8	206	57.9	-18	39.1	192	33.6	-19	29.9	178	6.8	-19	2.6	163	57.5	-17	20.4
20	239	14.7	289.1	-13	35.7	225	48.6	-16	37.9	211	46.0	-18	40.3	197	21.5	-19	30.0	182	54.9	-19	1.7	168	45.9	-17	18.5
40	244	3.8	289.1	-13	38.6	230	37.1	-16	40.1	216	34.1	-18	41.5	202	9.4	-19	30.2	187	42.9	-19	0.7	173	34.3	-17	16.6
4	0	248	52.9	-13	41.4	235	25.6	-16	42.2	221	22.2	-18	42.7	206	57.3	-19	30.3	192	30.9	-18	59.8	178	22.7	-17	14.7
20	253	42.0	289.1	-13	44.3	240	14.1	-16	44.3	226	10.3	-18	43.9	211	45.3	-19	30.4	197	19.0	-18	58.8	183	11.2	-17	12.7
40	258	31.0	289.1	-13	47.1	245	2.6	-16	46.4	230	58.4	-18	45.1	216	33.2	-19	30.5	202	7.1	-18	57.8	187	59.6	-17	10.8
5	0	263	20.1	-13	50.0	249	51.1	-16	48.5	235	46.5	-18	46.2	221	21.1	-19	30.6	206	55.1	-18	56.8	192	48.0	-17	8.8
20	268	9.2	289.0	-13	52.8	254	39.6	-16	50.6	240	34.6	-18	47.4	226	9.0	-19	30.7	211	43.2	-18	55.8	197	36.5	-17	6.8
40	272	58.2	289.0	-13	55.6	259	28.1	-16	52.7	245	22.7	-18	48.5	230	57.0	-19	30.7	216	31.3	-18	54.8	202	24.9	-17	4.9
6	0	277	47.2	-13	58.4	264	16.6	-16	54.8	250	10.7	-18	49.6	235	44.9	-19	30.8	221	19.3	-18	53.8	207	13.4	-17	2.9
20	282	36.2	289.0	-14	1.2	269	5.0	-16	56.8	254	58.8	-18	50.7	240	32.8	-19	30.8	226	7.4	-18	52.7	212	1.8	-17	0.8
40	287	25.3	289.0	-14	4.0	273	53.5	-16	58.9	259	46.9	-18	51.8	245	20.8	-19	30.8	230	55.5	-18	51.6	216	50.3	-16	58.8
7	0	292	14.3	-14	6.8	278	41.9	-17	0.9	264	34.9	-18	52.8	250	8.7	-19	30.8	235	43.6	-18	50.6	221	38.8	-16	56.8
20	297	3.3	289.0	-14	9.6	283	30.4	-17	2.9	269	23.0	-18	53.9	254	56.6	-19	30.7	240	31.7	-18	49.5	226	27.2	-16	54.7
40	301	52.3	289.0	-14	12.3	288	18.8	-17	4.9	274	11.0	-18	54.9	259	44.5	-19	30.7	245	19.8	-18	48.3	231	15.7	-16	52.7
8	0	306	41.2	-14	15.1	293	7.3	-17	6.9	278	59.1	-18	56.0	264	32.5	-19	30.7	250	7.9	-18	47.2	236	4.2	-16	50.6
20	311	30.2	289.0	-14	17.8	297	55.7	-17	8.9	283	47.1	-18	57.0	269	20.4	-19	30.6	254	56.0	-18	46.1	240	52.7	-16	48.5
40	316	19.2	289.0	-14	20.5	302	44.1	-17	10.8	288	35.2	-18	58.0	274	8.3	-19	30.5	259	44.1	-18	44.9	245	41.2	-16	46.4
9	0	321	8.1	-14	23.3	307	32.5	-17	12.8	293	23.2	-18	58.9	278	56.3	-19	30.4	264	32.2	-18	43.8	250	29.7	-16	44.3
20	325	57.1	289.0	-14	26.0	312	20.9	-17	14.7	298	11.2	-18	59.9	283	44.2	-19	30.3	269	20.3	-18	42.6	255	18.3	-16	42.2
40	330	46.0	289.0	-14	28.7	317	9.3	-17	16.7	302	59.3	-19	0.9	288	32.1	-19	30.2	274	8.4	-18	41.4	260	6.8	-16	40.0
10	0	335	34.9	-14	31.4	321	57.7	-17	18.6	307	47.3	-19	1.8	293	20.1	-19	30.0	278	56.5	-18	40.2	264	55.3	-16	37.9
20	340	23.9	289.0	-14	34.1	326	46.1	-17	20.5	312	35.3	-19	2.7	288	8.0	-19	29.8	283	44.7	-18	39.0	269	43.8	-16	35.7
40	345	12.8	289.0	-14	36.8	331	34.5	-17	22.4	317	23.3	-19	3.6	302	55.9	-19	29.7	288	32.8	-18	37.7	274	32.4	-16	33.6
11	0	350	1.7	-14	39.4	336	22.8	-17	24.3	322	11.4	-19	4.5	307	43.9	-19	29.5	293	20.9	-18	36.5	279	20.9	-16	31.4
20	354	50.6	289.0	-14	42.1	341	11.2	-17	26.1	326	59.4	-19	5.4	312	31.8	-19	29.3	298	9.1	-18	35.2	284	9.5	-16	29.2
40	359	39.5	289.0	-14	44.8	345	59.6	-17	28.0	331	47.4	-19	6.3	317	19.7	-19	29.0	302	57.2	-18	33.9	288	58.1	-16	27.0
12	0	4	28.4	-14	47.4	350	47.9	-17	29.8	336	35.4	-19	7.1	322	7.7	-19	28.8	307	45.4	-18	32.6	293	46.6	-16	24.8
20	9	17.2	289.0	-14	50.0	355	36.3	-17	31.7	341	23.4	-19	8.0	326	55.6	-19	28.6	312	33.5	-18	31.3	298	35.2	-16	22.6
40	14	6.1	289.0	-14	52.7	0	24.6	-17	33.5	346	11.4	-19	8.8	331	43.5	-19	28.3	317	21.7	-18	30.0	303	23.8	-16	20.3
13	0	18	55.0	-14	55.3	5	13.0	-17	35.3	350	59.4	-19	9.6	336	31.5	-19	28.0	322	9.8	-18	28.7	308	12.4	-16	18.1
20	23	43.8	288.8	-14	57.9	10	1.3	-17	37.1	355	47.4	-19	10.4	341	19.4	-19	27.7	326	58.0	-18	27.3	313	1.0	-16	15.8
40	28	32.7	288.8	-15	0.5	14	49.6	-17	38.8	0	35.4	-19	11.1	346	7.4	-19	27.4	331	46.2	-18	25.9	317	49.6	-16	13.6
14	0	33	21.5	-15	3.1	19	37.9	-17	40.6	5	23.4	-19	11.9	350	55.3	-19	27.1	336	34.2	-18	24.6	322	38.2	-16	11.3
20	38	10.3	288.8	-15	5.6	24	26.2	-17	42.4	10	11.4	-19	12.7	355	43.3	-19	26.7	341	22.5	-18	23.2	327	26.8	-16	9.0
40	42	59.2	288.8	-15	8.2	29	14.5	-17	44.1	14	59.4	-19	13.4	0	31.2	-19	26.4	346	10.7	-18	21.8	332	15.5	-16	6.7
15	0	47	48.0	-15	10.8	34	2.8	-17	45.8	19	47.4	-19	14.1	5	19.2	-19	26.0	350	58.9	-18	20.3	337	4.1	-16	4.4
20	52	36.8	288.8	-15	13.3	38	51.1	-17	47.5	24	35.3	-19	14.8	10	7.1	-19	25.6	355	47.1	-18	18.9	341	52.7	-16	2.0
40	57	25.6	288.8	-15	15.8	43	39.4	-17	49.2	29	23.3	-19	15.5	14	55.1	-19	25.2	0	35.3	-18	17.5	346	41.4	-15	59.7
16	0	62	14.4	-15	18.4	48	27.7	-17	50.9	34	11.3	-19	16.2	19	43.0	-19	24.8	5	23.5	-18	16.0	351	30.0	-15	57.3
20	67	3.1	288.8	-15	20.9	53	16.0	-17	52.6	38	59.3	-19	16.8	24	31.0	-19	24.4	10	11.8	-18	14.5	356	18.7	-15	55.0
40	71	51.9	288.8	-15	23.4	58	4.2	-17	54.3	43	47.2	-19	17.5	29	18.9	-19	23.9	14	60.0	-18	13.1	1	7.4	-15	52.6

		9 Nov			10 Nov			11 Nov			12 Nov			13 Nov			14 Nov														
		GHA			GHA			GHA			GHA			GHA			GHA														
		Dec			Dec			Dec			Dec			Dec			Dec														
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>													
0	0	106	59.8	-14	57.8		93	53.9	-11	27.2		81	22.9	-7	21.5		69	19.8	-2	56.4		57	35.2	-1	33.4		45	59.4	-5	54.5	
0	20	111	48.7	-14	55.2	2.6	98	43.3	-11	24.0	3.2	86	12.7	-7	17.9	3.6	74	9.9	-2	52.7	3.7	62	25.5	1	37.1	3.7	50	49.8	5	58.0	3.5
0	40	116	37.5	-14	52.6	2.6	103	32.6	-11	20.8	3.2	91	2.5	-7	14.3	3.6	79	0.0	-2	48.9	3.7	67	15.8	1	40.8	3.7	55	40.1	6	1.5	5.0
1	0	121	26.3	-14	49.9		108	22.0	-11	17.6		95	52.3	-7	10.7		83	50.2	-2	45.2		72	6.1	1	44.5		60	30.5	6	5.0	
1	20	126	15.2	-14	47.3	2.6	113	11.3	-11	14.3	3.2	100	42.1	-7	7.1	3.6	88	40.3	-2	41.4	3.8	76	56.4	1	48.2	3.7	65	20.8	6	8.5	3.5
1	40	131	4.1	-14	44.6	2.6	118	0.7	-11	11.1	3.2	105	31.9	-7	3.5	3.6	93	30.4	-2	37.7	3.8	81	46.7	1	51.9	3.7	70	11.2	6	12.0	3.5
2	0	135	52.9	-14	42.0		122	50.1	-11	7.9		110	21.7	-6	59.9		98	20.5	-2	33.9		86	37.0	1	55.6		75	1.5	6	15.5	
2	20	140	41.8	-14	39.3	2.7	127	39.5	-11	4.6	3.3	115	11.5	-6	56.3	3.6	103	10.7	-2	30.2	3.7	91	27.3	1	59.3	3.7	79	51.9	6	19.0	3.5
2	40	145	30.7	-14	36.6	2.7	132	28.9	-11	1.4	3.3	120	1.3	-6	52.7	3.6	108	0.8	-2	26.4	3.7	96	17.6	2	3.0	3.7	84	42.2	6	22.5	3.5
3	0	150	19.6	-14	34.0		137	18.3	-10	58.1		124	51.2	-6	49.1		112	50.9	-2	22.7		101	7.9	2	6.7		89	32.6	6	29.0	
3	20	155	8.5	-14	31.3	2.7	142	7.7	-10	54.8	3.3	129	41.0	-6	45.5	3.6	117	41.1	-2	18.9	3.8	105	58.3	2	10.4	3.7	94	22.9	6	26.4	3.5
3	40	159	57.4	-14	28.5	2.7	146	57.1	-10	51.5	3.3	134	30.8	-6	41.9	3.6	122	31.2	-2	15.2	3.8	110	48.6	2	14.1	3.7	99	13.3	6	32.9	3.5
4	0	164	46.3	-14	25.8		151	46.5	-10	48.3		139	20.7	-6	38.2		127	21.4	-2	11.4		115	38.9	2	17.8		104	3.7	6	36.4	
4	20	169	35.2	-14	23.1	2.7	156	35.9	-10	45.0	3.3	144	10.5	-6	34.6	3.6	120	29.2	-2	7.7	3.8	120	29.2	2	21.5	3.7	108	54.0	6	39.8	3.4
4	40	174	24.1	-14	20.4	2.7	161	25.3	-10	41.7	3.3	149	0.4	-6	31.0	3.6	137	1.7	-2	3.9	3.8	125	19.5	2	25.2	3.7	113	44.4	6	43.3	3.4
5	0	179	13.0	-14	17.6		166	14.8	-10	38.4		153	50.3	-6	27.3		141	51.8	-2	0.1		130	9.8	2	28.9		118	34.7	6	46.7	
5	20	184	2.0	-14	14.9	2.8	171	4.2	-10	35.1	3.3	158	40.1	-6	23.7	3.6	146	42.0	-1	56.4	3.7	135	0.2	2	32.6	3.7	123	25.1	6	50.2	3.4
5	40	188	50.9	-14	12.1	2.8	175	53.7	-10	31.8	3.3	163	30.0	-6	20.1	3.6	151	32.2	-1	52.6	3.7	139	50.5	2	36.3	3.7	128	15.4	6	53.6	3.4
6	0	193	39.9	-14	9.3		180	43.1	-10	28.4		168	19.9	-6	16.4		156	22.3	-1	48.9		144	40.8	2	39.9		133	5.8	6	57.0	
6	20	198	28.8	-14	6.6	2.8	185	32.6	-10	25.1	3.3	173	9.7	-6	12.8	3.6	161	12.5	-1	45.1	3.8	149	31.1	2	43.6	3.7	137	56.1	7	0.5	3.4
6	40	203	17.8	-14	3.8	2.8	190	22.0	-10	21.8	3.3	177	59.6	-6	9.1	3.6	166	2.7	-1	41.4	3.8	154	21.4	2	47.3	3.7	142	46.5	7	3.9	3.4
7	0	208	6.8	-14	1.0		195	11.5	-10	18.5		182	49.5	-6	5.5		170	52.8	-1	37.6		159	11.8	2	51.0		147	36.8	7	7.3	
7	20	212	55.8	-13	58.2	2.8	200	1.0	-10	15.1	3.4	187	39.4	-6	1.8	3.7	175	43.0	-1	33.8	3.8	164	2.1	2	54.7	3.7	152	27.2	7	10.7	3.4
7	40	217	44.8	-13	55.3	2.8	204	50.5	-10	11.8	3.4	192	29.3	-5	58.2	3.7	180	33.2	-1	30.1	3.8	168	52.4	2	58.3	3.7	157	17.5	7	14.2	3.4
8	0	222	33.8	-13	52.5		209	40.0	-10	8.4		197	19.2	-5	54.5		185	23.4	-1	26.3		173	42.8	3	2.0		162	7.9	7	17.6	
8	20	227	22.8	-13	49.7	2.8	214	29.5	-10	5.0	3.4	202	9.1	-5	50.9	3.7	190	13.6	-1	22.6	3.7	178	33.1	3	5.7	3.7	166	58.2	7	21.0	3.4
8	40	232	11.8	-13	46.8	2.8	219	19.0	-10	1.7	3.4	206	59.0	-5	47.2	3.7	195	3.8	-1	18.8	3.7	183	23.4	3	9.3	3.7	171	48.6	7	24.4	3.4
9	0	237	0.8	-13	44.0		224	8.5	-9	58.3		211	49.0	-5	43.5		199	54.0	-1	15.1		188	13.7	3	13.0		176	38.9	7	27.8	
9	20	241	49.8	-13	41.1	2.9	228	58.0	-9	54.9	3.4	216	38.9	-5	39.9	3.7	204	44.2	-1	11.3	3.8	193	4.1	3	16.6	3.6	181	29.3	7	31.1	3.4
9	40	246	38.8	-13	38.3	2.9	233	47.5	-9	51.6	3.4	221	28.8	-5	36.2	3.7	209	34.4	-1	7.6	3.8	197	54.4	3	20.3	3.6	186	19.6	7	34.5	3.4
10	0	251	27.9	-13	35.4		238	37.1	-9	48.2		226	18.7	-5	32.5		214	24.6	-1	3.8		202	44.8	3	23.9		191	10.0	7	37.9	
10	20	256	16.9	-13	32.5	2.9	243	26.6	-9	44.8	3.4	231	8.7	-5	28.8	3.7	219	14.8	-1	0.0	3.8	207	35.1	3	27.6	3.7	196	0.3	7	41.3	3.4
10	40	261	6.0	-13	29.6	2.9	248	16.2	-9	41.4	3.4	235	58.6	-5	25.2	3.7	224	5.0	-0	56.3	3.8	212	25.4	3	31.2	3.7	200	50.7	7	44.7	3.4
11	0	265	55.0	-13	26.7		253	5.7	-9	38.0		240	48.6	-5	21.5		228	55.2	-0	52.5		217	15.8	3	34.9		205	41.0	7	48.0	
11	20	270	44.1	-13	23.8	2.9	257	55.3	-9	34.6	3.4	245	38.5	-5	17.8	3.7	233	45.4	-0	48.8	3.7	222	6.1	3	38.5	3.6	210	31.7	7	51.4	3.4
11	40	275	33.2	-13	20.9	2.9	262	44.8	-9	31.1	3.4	250	28.5	-5	14.1	3.7	238	35.6	-0	45.0	3.7	226	56.4	3	42.2	3.6	215	21.4	7	54.7	3.4
12	0	280	22.3	-13	17.9		267	34.4	-9	27.7		255	18.4	-5	10.4		243	25.8	-0	41.3		231	46.8	3	45.8		220	12.1	7	58.1	
12	20	285	11.4	-13	15.0	2.9	272	24.0	-9	24.3	3.4	260	8.4	-5	6.7	3.7	248	16.1	-0	37.5	3.8	236	37.1	3	49.4	3.6	225	2.4	8	1.4	3.3
12	40	290	0.5	-13	12.0	2.9	277	13.6	-9	20.9	3.4	264	58.4	-5	3.0	3.7	253	6.3	-0	33.8	3.8	241	27.5	3	53.1	3.6	229	52.8	8	4.8	3.3
13	0	294	49.6	-13	9.1		282	3.2	-9	17.4		269	48.3	-4	59.3		257	56.5	-0	30.0		246	17.8	3	56.7		234	43.1	8	8.1	
13	20	299	38.7	-13	6.1	3.0	286	52.8	-9	14.0	3.4	274	38.3	-4	55.6	3.7	262	46.7	-0	26.2	3.8	251	8.1	4	0.3	3.6	239	33.5	8	11.4	3.3
13	40	304	27.8	-13	3.1	3.0	291	42.0	-9	10.6	3.4	279	28.3	-4	51.9	3.7	267	37.0	-0	22.5	3.8	255	58.5	4	3.9	3.6	244	23.8	8	14.7	3.3
14																															

			15 Nov			16 Nov			17 Nov			18 Nov			19 Nov			20 Nov							
GHA			Dec			GHA			Dec			GHA			Dec			GHA							
<i>h</i>	<i>m</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>	<i>o</i>	<i>d</i>	<i>d'</i>					
0	0	34	24.0	9	55.0	22	43.3	13	23.9	10	54.9	16	11.9	359	0.1	18	11.4	347	3.7	19	18.0	335	12.4	19	30.0
20	39	14.3	290.3	9	58.2	27	33.5	13	26.6	15	45.0	16	13.9	3	50.2	18	12.7	351	53.8	19	18.6	340	2.5	19	29.8
40	44	4.6	290.3	10	1.3	32	23.7	13	29.2	20	35.1	16	15.9	8	40.2	18	14.0	356	43.9	19	19.1	344	52.7	19	29.5
1	0	48	54.9	10	4.4	37	13.9	13	31.8	25	25.2	16	17.9	13	30.3	18	15.3	1	34.0	19	19.6	349	42.9	19	29.3
20	53	45.3	290.3	10	7.6	42	4.1	13	34.4	30	15.3	16	19.8	18	20.3	18	16.6	6	24.0	19	20.1	354	33.1	19	29.0
40	58	35.6	290.3	10	10.7	46	54.3	13	37.0	35	5.4	16	21.8	23	10.4	18	17.8	11	14.1	19	20.6	359	23.3	19	28.8
2	0	63	25.9	10	13.8	51	44.5	13	39.6	39	55.5	16	23.8	28	0.4	18	19.1	16	4.2	19	21.1	4	13.5	19	28.5
20	68	16.2	290.3	10	16.9	56	34.8	13	42.2	44	45.6	16	25.7	32	50.5	18	20.3	20	54.3	19	21.6	9	3.7	19	28.2
40	73	6.5	290.3	10	20.0	61	25.0	13	44.8	49	35.7	16	27.7	37	40.5	18	21.5	25	44.3	19	22.0	13	53.9	19	28.0
3	0	77	56.8	10	23.1	66	15.2	13	47.4	54	25.8	16	29.6	42	30.5	18	22.7	30	34.4	19	22.5	18	44.1	19	27.7
20	82	47.1	290.3	10	26.2	71	5.4	13	49.9	59	15.9	16	31.5	47	20.6	18	23.9	35	24.5	19	22.9	23	34.3	19	27.4
40	87	37.4	290.3	10	29.2	75	55.6	13	52.5	64	6.0	16	33.4	52	10.6	18	25.1	40	14.6	19	23.4	28	24.5	19	27.0
4	0	92	27.7	10	32.3	80	45.8	13	55.0	68	56.1	16	35.3	57	0.7	18	26.3	45	4.6	19	23.8	33	14.8	19	26.7
20	97	18.0	290.3	10	35.4	85	35.9	13	57.5	73	46.2	16	37.2	61	50.7	18	27.5	49	54.7	19	24.2	38	5.0	19	26.4
40	102	8.3	290.3	10	38.4	90	26.1	14	0.1	78	36.3	16	39.1	66	40.8	18	28.6	54	44.8	19	24.6	42	55.2	19	26.0
5	0	106	58.6	10	41.5	95	16.3	14	2.6	83	26.4	16	41.0	71	30.8	18	29.8	59	34.9	19	25.0	47	45.4	19	25.7
20	111	48.9	290.3	10	44.5	100	6.5	14	5.1	88	16.5	16	42.8	76	20.9	18	30.9	64	25.0	19	25.4	52	35.6	19	25.3
40	116	39.2	290.3	10	47.6	104	56.7	14	7.6	93	6.5	16	44.7	81	10.9	18	32.1	69	15.1	19	25.8	57	25.9	19	24.9
6	0	121	29.5	10	50.6	109	46.9	14	10.1	97	56.6	16	46.5	86	0.9	18	33.2	74	5.2	19	26.1	62	16.1	19	24.5
20	126	19.8	290.3	10	53.6	114	37.1	14	12.6	102	46.7	16	48.4	90	51.0	18	34.3	78	55.2	19	26.5	67	6.3	19	24.1
40	131	10.1	290.3	10	56.7	119	27.3	14	15.1	107	36.8	16	50.2	95	41.0	18	35.4	83	45.3	19	26.8	71	56.6	19	23.7
7	0	136	0.4	10	59.7	124	17.5	14	17.5	112	26.9	16	52.0	100	31.1	18	36.5	88	35.4	19	27.1	76	46.8	19	23.3
20	140	50.6	290.3	11	2.7	129	7.6	14	20.0	117	17.0	16	53.8	105	21.1	18	37.5	93	25.5	19	27.4	81	37.0	19	22.9
40	145	40.9	290.3	11	5.7	133	57.8	14	22.4	122	7.1	16	55.6	110	11.2	18	38.6	98	15.6	19	27.8	86	27.3	19	22.4
8	0	150	31.2	11	8.7	138	48.0	14	24.9	126	57.1	16	57.4	115	1.2	18	39.7	103	5.7	19	28.1	91	17.5	19	22.0
20	155	21.5	290.3	11	11.7	143	38.2	14	27.3	131	47.2	16	59.2	119	51.3	18	40.7	107	55.8	19	28.3	96	7.8	19	21.5
40	160	11.8	290.3	11	14.6	148	28.4	14	29.7	136	37.3	17	0.9	124	41.3	18	41.8	112	45.9	19	28.6	100	58.0	19	21.1
9	0	165	2.1	11	17.6	153	18.5	14	32.2	141	27.4	17	2.7	129	31.3	18	42.8	117	36.0	19	28.9	105	48.3	19	20.6
20	169	52.3	290.3	11	20.6	158	8.7	14	34.6	146	17.5	17	4.4	134	21.4	18	43.8	122	26.1	19	29.1	110	38.5	19	20.1
40	174	42.6	290.3	11	23.5	162	58.9	14	37.0	151	7.5	17	6.2	139	11.4	18	44.8	127	16.2	19	29.4	115	28.8	19	19.6
10	0	179	32.9	11	26.5	167	49.0	14	39.4	155	57.6	17	7.9	144	1.5	18	45.8	132	6.3	19	29.6	120	19.0	19	19.1
20	184	23.2	290.3	11	29.4	172	39.2	14	41.8	160	47.7	17	9.6	148	51.5	18	46.8	136	56.4	19	29.8	125	9.3	19	18.6
40	189	13.5	290.3	11	32.4	177	29.4	14	44.1	165	37.8	17	11.3	153	41.6	18	47.7	141	46.5	19	30.0	129	59.6	19	18.0
11	0	194	3.7	11	35.3	182	19.5	14	46.5	170	27.8	17	13.0	158	31.6	18	48.7	146	36.6	19	30.3	134	49.8	19	17.5
20	198	54.0	290.3	11	38.2	187	9.7	14	48.9	175	17.9	17	14.7	163	21.7	18	49.7	151	26.8	19	30.4	139	40.1	19	16.9
40	203	44.3	290.3	11	41.2	191	59.9	14	51.2	180	8.0	17	16.4	168	11.7	18	50.6	156	16.9	19	30.6	144	30.4	19	16.4
12	0	208	34.5	11	44.1	196	50.0	14	53.5	184	58.1	17	18.1	173	1.8	18	51.5	161	7.0	19	30.8	149	20.7	19	15.8
20	213	24.8	290.3	11	47.0	201	40.2	14	55.9	189	48.1	17	19.7	177	51.8	18	52.5	165	57.1	19	31.0	154	10.9	19	15.2
40	218	15.1	290.3	11	49.9	206	30.4	14	58.2	194	38.2	17	21.4	182	41.8	18	53.4	170	47.2	19	31.1	159	1.2	19	14.6
13	0	223	5.3	11	52.8	211	20.5	15	0.5	199	28.3	17	23.0	187	31.9	18	54.3	175	37.3	19	31.2	163	51.5	19	14.0
20	227	55.6	290.3	11	55.6	216	10.7	15	2.8	204	18.3	17	24.6	192	21.9	18	55.1	180	27.5	19	31.4	168	41.8	19	13.4
40	232	45.9	290.3	11	58.5	221	0.8	15	5.1	209	8.4	17	26.3	197	12.0	18	56.0	185	17.6	19	31.5	173	32.1	19	12.8
14	0	237	36.1	12	1.4	225	51.0	15	7.4	213	58.5	17	27.9	202	2.0	18	56.9	190	7.7	19	31.6	178	22.4	19	12.2
20	242	26.4	290.3	12	4.2	230	41.1	15	9.7	218	48.5	17	29.5	206	52.1	18	57.8	194	57.8	19	31.7	183	12.7	19	11.5
40	247	16.7	290.3	12	7.1	235	31.3	15	12.0	223	38.6	17	31.1	211	42.1	18	58.6	199	48.0	19	31.8	188	3.0	19	10.9
15	0	252	6.9	12	9.9	240	21.4	15	14.2	228	28.7	17	32.6	216	32.2	18	59.4	204	38.1	19	31.9	192	53.3	19	10.2
20	256	57.2	290.3	12	12.8	245	11.6	15	16.5	233	18.7	17	34.2	221	22.2	19	0.3	209	28.2	19	31.9	197	43.6	19	9.6
40	261	47.4	290.3	12	15.6	250	1.7	15	18.7	238	8.8	17	35.8	226	12.3	19	1.1	214	18.4	19	32.0	202	33.9	19	8.9
16	0	266	37.7	12	18.4	254	51.8	15	21.0	242	58.8	17	37.3	231	2.3	19	1.9	219	8.5	19	32.0	207	24.2	19	8.2
20	271	27.9	290.2	12	21.3	259	42.0	15	23.2	247	48.9	17	38.8	235	52.4	19	2.7	223	58.6	19	32.1	212	14.5	19	7.5
40	276	18.2	290.2	12	24.1	264	32.1	15	25.4	252	39.0	17	40.4	240	42.4	19	3.5	228	48.8	19	32.1	217	4.8	19	6.8
17	0	281	8.4	12	26.9	269	22.3	15	27.6	257	29.0	17	41.9	245	32.5	19	4.2	233	38.9	19	32.1	221	55.2	19	6.1
20	285	58.7	290.2	12	29.7	274	12.4	15	29.8	262	19.1	17	43.4	250	22.5	19	5.0	238	29.1	19	32.1	226	45.5	19	5.3
40	290	48.9	290.2	12	32.4	279	2.5	15	32.0	267	9.1	17	44.9	255	12.6	19	5.7	243	19.2	19	32.1	231	35.8	19	4.6
18	0	295	39.2	12	35.2	283	52.7	15	34.2	271	59.2	17	46.4	260	2.6	19	6.5	248	9.4	19	32.1	236	26.1	19	3.9
20	300	29.4	290.2	12	38.0	288	42.8	15																	

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		Dec				Dec				Dec				Dec				Dec				Dec																																																									
h	m	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'																																																			
0	0	323	32.6	18	48.7	312	9.2	17	18.2	301	3.7	15	3.9	290	14.3	12	11.9	279	35.8	8	49.0	269	0.5	5	1.7	328	23.0	18	47.8	316	59.8	17	16.6	305	54.6	15	1.7	295	5.4	12	9.3	284	27.0	8	46.0	273	51.6	4	58.4	-3.3	333	13.4	18	46.9	321	50.4	17	15.0	310	45.5	14	59.6	299	56.4	12	6.7	289	18.2	291.2	8	43.0	278	42.8	4	55.1	-3.3			
1	0	338	3.8	18	45.9	326	41.1	17	13.4	315	36.3	14	57.4	304	47.5	12	4.1	294	9.3	8	40.0	283	33.9	4	51.8	342	54.2	18	45.0	331	31.7	17	11.8	320	27.2	14	55.2	309	38.6	12	1.4	299	0.5	8	36.9	288	25.1	291.1	4	48.4	-3.3	347	44.6	18	44.0	336	22.4	17	10.2	325	18.1	14	53.1	314	29.7	11	58.8	303	51.7	291.2	8	33.9	293	16.2	4	45.1	-3.3		
2	0	352	35.0	18	43.0	341	13.0	17	8.6	330	9.0	14	50.9	319	20.8	11	56.1	308	42.9	8	30.9	298	7.4	4	41.8	357	25.4	18	42.0	346	3.7	17	7.0	334	59.9	14	48.7	324	11.8	11	53.5	313	34.0	291.2	8	27.9	302	58.5	4	38.5	-3.3	2	15.8	18	41.0	350	54.3	17	5.3	339	50.8	14	46.5	329	2.9	11	50.8	318	25.2	291.2	8	24.8	307	49.7	291.1	4	35.2	-3.3	
3	0	7	6.2	18	40.0	355	45.0	17	3.7	344	41.7	14	44.3	333	54.0	11	48.1	323	16.4	8	21.8	312	40.8	4	31.9	11	56.6	18	39.0	0	35.7	17	2.0	349	32.6	14	42.1	338	45.1	11	45.5	328	7.6	8	18.7	317	32.0	291.1	4	28.5	-3.3	16	47.0	18	38.0	5	26.3	17	0.4	354	23.5	290.9	14	39.9	343	36.2	11	42.8	332	58.8	291.2	8	15.7	322	23.1	291.1	4	25.2	-3.3
4	0	21	37.5	18	36.9	10	17.0	16	58.7	359	14.5	14	37.6	348	27.3	11	40.1	337	49.9	8	12.6	327	14.2	4	21.9	40	26	27.9	18	35.9	15	7.7	16	57.0	8	56.3	358	9.5	11	34.7	347	32.3	291.2	8	6.5	336	56.5	4	15.2	-3.3	31	18.3	18	34.8	19	58.4	16	55.3	8	56.3	358	9.5	11	34.7	347	32.3	291.2	8	6.5	336	56.5	4	15.2	-3.3					
5	0	36	8.7	18	33.8	24	49.1	16	53.6	13	47.2	14	30.9	3	0.6	11	32.0	352	23.5	8	3.4	341	47.6	4	11.9	40	40	59.2	18	32.7	29	39.7	16	51.9	18	38.1	14	28.7	7	51.7	11	29.3	357	14.7	8	0.3	346	38.8	4	8.5	-3.4	45	49.6	18	31.6	34	30.4	16	50.2	23	39.1	14	26.4	12	42.8	11	26.6	2	5.9	7	57.3	351	29.9	291.1	4	5.2	-3.4		
6	0	50	40.1	18	30.5	39	21.1	16	48.5	28	20.0	14	24.1	17	33.9	11	23.9	6	57.0	7	54.2	356	21.0	4	1.8	20	55	30.5	18	29.4	44	11.8	16	46.8	33	10.9	14	21.9	22	25.0	11	21.1	11	48.2	7	51.1	1	12.2	3	58.5	-3.3	60	21.0	18	28.3	49	2.5	16	45.0	38	1.9	14	19.6	27	16.1	11	18.4	16	39.4	7	48.0	6	3.3	3	55.1	-3.3			
7	0	65	11.4	18	27.2	53	53.2	16	43.3	42	52.8	14	17.3	32	7.2	11	15.7	21	30.6	7	44.9	10	54.4	3	51.8	20	70	1.9	18	26.1	58	43.9	16	41.5	47	43.7	14	15.0	36	58.4	11	12.9	26	21.8	7	41.8	15	45.5	3	48.4	-3.4	40	74	52.3	18	24.9	63	34.7	16	39.8	52	34.7	14	12.7	41	49.5	11	10.2	31	12.9	7	38.7	20	36.6	3	45.0	-3.4		
8	0	79	42.8	18	23.8	68	25.4	16	38.0	57	25.6	14	10.4	46	40.6	11	7.4	36	4.1	7	35.6	25	27.8	3	41.7	20	84	33.3	18	22.6	73	16.1	16	36.2	62	16.6	14	8.1	51	31.7	11	4.7	40	55.3	7	32.5	30	18.9	3	38.3	-3.4	40	89	23.7	18	21.5	78	6.8	16	34.4	67	7.5	14	5.8	56	22.8	11	1.9	45	46.5	7	29.4	35	10.0	3	34.9	-3.4		
9	0	94	14.2	18	20.3	82	57.5	16	32.6	71	58.5	14	3.4	61	13.9	10	59.1	50	37.7	7	26.2	40	1.1	3	31.5	20	99	4.7	18	19.1	87	48.3	16	30.8	76	49.5	14	3.1	66	5.1	10	56.3	55	28.9	7	23.1	44	52.2	3	28.2	-3.4	40	103	55.2	18	17.9	92	39.0	16	29.0	81	40.4	13	58.8	70	56.2	10	53.6	60	20.0	7	20.0	49	43.3	3	24.8	-3.4		
10	0	108	45.7	18	16.7	97	29.7	16	27.2	86	31.4	13	56.4	75	47.3	10	50.8	65	11.2	7	16.8	54	34.4	3	21.4	20	113	36.2	18	15.5	102	20.5	16	25.4	91	22.4	13	54.1	80	38.5	10	48.0	70	2.4	7	13.7	59	25.5	3	18.0	-3.4	40	118	26.6	18	14.3	107	11.2	16	23.5	96	13.3	13	51.7	85	29.6	10	45.2	74	53.6	7	10.6	64	16.6	3	14.6	-3.4		
11	0	123	17.1	18	13.1	112	2.0	16	21.7	101	4.3	13	49.3	90	20.7	10	42.4	79	44.8	7	7.4	69	7.7	3	11.2	20	128	7.6	18	11.8	116	52.7	16	19.8	105	55.3	13	47.0	95	11.8	10	39.6	84	36.0	7	4.3	73	58.8	3	7.8	-3.4	40	132	58.1	18	10.6	121	43.5	16	18.0	110	46.3	13	44.6	100	3.0	10	36.8	89	27.1	7	1.1	78	49.9	3	4.4	-3.4		
12	0	137	48.6	18	9.3	126	34.2	16	16.1	115	37.2	13	42.2	104	54.1	10	33.9	94	18.3	6	57.9	83	41.0	3	1.0	20	142	39.2	18	8.1	131	25.0	16	14.3	120	28.2	13	39.8	109	45.3	10	31.1	99	9.5	6	54.8	88	32.1	2	57.6	-3.4	40	147	29.7	18	6.8	136	15.7	16	12.4	125	19.2	13	37.4	114	36.4	10	28.3	104	0.7	6	51.6	93	23.2	2	54.2	-3.4		
13	0	152	20.2	18	5.5	141	6.5	16	10.5	130	10.2	13	35.0	119	27.5	10	25.4	108	51.9	6	48.4	98	14.3	2	50.8	20	157	10.7	18	4.2	145	57.3	16	8.6	135	1.2	13	32.6	124	18.7	10	22.6	113	43.0	6	45.3	103	5.3	2	47.4	-3.4	40	162	1.2	18	2.9	150	48.1	16	6.7	139	52.2	13	30.1	129	9.8	10	19.8	118	34.2	6	42.1	107	56.4	2	44.0	-3.4		
14	0	166	51.7	18	1.6	155	38.8	16	4.8	144	43.2	13	27.7	134	1.0	10	16.9	123	25.4	6	38.9	112	47.5	2	40.6	20	171	42.3	18	0.3	160	29.6	16	2.8	149	34.2	13	25.3	138	52.1	10	14.0	128	16.6	6	35.7	117	38.6	2	37.1	-3.4	40	176	32.8	17	58.9	165	20.4	16	0.9	154	25.2	13	22.8	143	43.3	10	11.2	133	7.8	6	32.5	122	29.6	2	33.7	-3.4		
15	0	181	23.3	17	57.6	170	11.2	15	59.0	159	16.2	13	20.4	148	34.4	10	8.3	137	58.9	6	29.3	127	20.7	2	30.3	20	186	13.9	17	56.3	175	2.0	15	57.0	164	7.2	13	17.9	153	25.6	10	5.4	142	50.1	6	26.1	132	11.8	2	26.9	-3.4	40	191	4.4	17	54.9	179	52.8	15	55.1	168	58.2	13	15.5	158	16.7	10	2.6	147	41.3	6	22.9	137	2.8	2	23.4	-3.4		
16	0	195	55.0	17	53.5	184	43.6	15	53.1	173	49.2	13	13.0	163	7.9	9	59.7	152	32.5	6	19.7	141	53.9	2	20.0	20	200	45.5	17	52.2	189	34.4	15	51.2	178	40.3	13	10.5	167	59.0	9	56.8	157	23.6	6	16.5	146	45.0	2	16.6	-3.4	40	205	36.1	17	50.8	194	25.2	15	49.2	183	31.3	13	8.1	172	50.2	9	53.9	162	14.8	6	13.3	151	36.0	2	13.1	-3.4		
17	0	210	26.6	17	49.4	199	16.0	15	47.2	188	22.3	13	5.6	177	41.3	9	51.0	167	6.0	6	10.1	156	27.1	2	9.7	20	215	17.2	17	48.0	204	6.8	15	45.2	193	13.3	13	3.1	182	32.5	9	48.1	171	57.2	6	6.9	161	18.1	2	6.3	-3.4	40	220	7.8	17	46.6	208	57.6	15	43.2	198	4.3	13	0.6	187	23.6	9	45.2	176	48.3	6	3.6	166	9.2	2	2.8	-3.4		
18	0	224	58.3	17	45.2	213	48.4	15	41.2	202	55.4	12	58.1	192	14.8	9	42.3	181	39.5	6	0.4	171	0.2	1	59.4	20	229	48.9	17	43.8	218	39.2	15	39.2	207	46.4	12	55.6	197	6.0	9	39.4	186	30.7	5	57.2	175	51.3	1	55.9	-3.5	40	234	39.5	17	42.3	223	30.1	15	37.2	212	37.4	12	53.1	201														

h	m	27 Nov					28 Nov					29 Nov					30 Nov					1 Dec					2 Dec							
		GHA		Dec			GHA		Dec			GHA		Dec			GHA		Dec			GHA		Dec			GHA		Dec					
		o	d	o	d'	d''	o	d	o	d'	d''	o	d	o	d'	d''	o	d	o	d'	d''	o	d	o	d'	d''	o	d	o	d'	d''			
0	0	258	18.5	0	57.0	247	18.8	-3	16.8	235	49.5	-7	29.7	223	39.8	-11	28.8	210	41.6	-14	57.9	196	53.4	-17	38.7									
20	263	9.5	0	53.5	252	9.4	-3	20.4	240	39.7	-7	33.2	228	29.3	-11	31.9	215	30.4	-15	0.5	201	41.6	-17	40.5										
40	268	0.5	291.0	0	50.0	257	0.1	-3	23.9	245	29.9	-7	36.6	233	18.8	-11	35.1	220	19.2	-15	3.1	206	29.7	-17	42.3									
1	0	272	51.5	0	46.5	261	50.7	-3	27.5	250	20.0	-7	40.1	238	8.4	-11	38.2	225	8.1	-15	5.7	211	17.9	-17	44.1									
20	277	42.4	0	43.1	266	41.4	-3	31.0	255	10.1	-7	43.5	242	57.9	-11	41.3	229	56.9	-15	8.3	216	6.0	-17	45.9										
40	282	33.4	0	39.6	271	32.0	-3	34.6	260	0.3	-7	46.9	247	47.4	-11	44.5	234	45.6	-15	10.8	220	54.2	-17	47.6										
2	0	287	24.4	0	36.1	276	22.6	-3	38.1	264	50.4	-7	50.4	252	36.8	-11	47.6	239	34.4	-15	13.4	225	42.3	-17	49.4									
20	292	15.3	0	32.6	281	13.3	-3	41.6	269	40.5	-7	53.8	257	26.3	-11	50.7	244	23.2	-15	16.0	230	30.4	-17	51.1										
40	297	6.3	291.0	0	29.1	286	3.9	-3	45.2	274	30.6	-7	57.2	262	15.8	-11	53.8	249	12.0	-15	18.5	235	18.5	-17	52.8									
3	0	301	57.3	0	25.6	290	54.5	-3	48.7	279	20.7	-8	0.7	267	5.3	-11	56.9	254	0.7	-15	21.0	240	6.6	-17	54.5									
20	306	48.2	0	22.1	295	45.1	-3	52.3	284	10.8	-8	4.1	271	54.7	-12	0.0	258	49.5	-15	23.6	244	54.7	-17	56.2										
40	311	39.2	290.9	0	18.6	300	35.7	-3	55.8	289	0.9	-8	7.5	276	44.2	-12	3.1	263	38.2	-15	26.1	249	42.8	-17	57.9									
4	0	316	30.1	0	15.1	305	26.3	-3	59.4	293	51.0	-8	10.9	281	33.6	-12	6.2	268	26.9	-15	28.6	254	30.9	-17	59.6									
20	321	21.1	0	11.6	310	16.9	-4	2.9	298	41.1	-8	14.3	298	41.1	-12	9.3	273	15.7	-15	31.1	259	19.9	-18	1.2										
40	326	12.0	0	8.1	315	7.4	-4	6.4	303	31.1	-8	17.7	291	12.4	-12	12.3	278	4.4	-15	33.5	264	7.0	-18	2.8										
5	0	331	2.9	0	4.6	319	58.0	-4	10.0	308	21.2	-8	21.2	296	1.8	-12	15.4	282	53.1	-15	36.0	268	55.1	-18	4.5									
20	335	53.9	290.9	0	1.1	324	48.6	-4	13.5	313	11.2	-8	24.6	300	51.2	-12	18.5	287	41.7	-15	38.5	273	43.2	-18	6.1									
40	340	44.8	0	2.4	329	39.1	-4	17.1	318	1.2	-8	28.0	305	40.6	-12	21.5	292	30.4	-15	40.9	278	31.2	-18	7.7										
6	0	345	35.7	-0	6.0	334	29.7	-4	20.6	322	51.3	-8	31.4	310	30.0	-12	24.6	297	19.1	-15	43.4	283	19.2	-18	9.2									
20	350	26.6	-0	9.5	339	20.2	-4	24.1	327	41.3	-8	34.8	315	19.3	-12	27.6	302	7.7	-15	45.8	288	7.3	-18	10.8										
40	355	17.5	-0	13.0	344	10.8	-4	27.7	332	31.3	-8	38.1	320	8.7	-12	30.6	306	56.4	-15	48.2	292	55.3	-18	12.4										
7	0	0	8.5	-0	16.5	349	1.3	-4	31.2	337	21.3	-8	41.5	324	58.0	-12	33.6	311	45.0	-15	50.6	297	43.3	-18	13.9									
20	4	59.4	-0	20.0	353	51.8	-4	34.7	342	11.3	-8	44.9	329	47.4	-12	36.7	316	33.7	-15	53.0	302	31.3	-18	15.4										
40	9	50.3	-0	23.5	358	42.4	-4	38.3	347	1.3	-8	48.3	334	36.7	-12	39.7	321	22.3	-15	55.4	307	19.3	-18	17.0										
8	0	14	41.2	-0	27.0	3	32.9	-4	41.8	351	51.3	-8	51.7	339	26.0	-12	42.7	326	10.9	-15	57.8	312	7.3	-18	18.4									
20	19	32.1	-0	30.6	8	23.4	-4	45.3	356	41.2	-8	55.0	344	15.3	-12	45.7	330	59.5	-16	0.2	316	55.3	-18	19.9										
40	24	22.9	-0	34.1	13	13.9	-4	48.9	1	31.2	-8	58.4	349	4.6	-12	48.7	335	48.1	-16	2.5	321	43.3	-18	21.4										
9	0	29	13.8	-0	37.6	18	4.4	-4	52.4	6	21.1	-9	1.8	353	53.9	-12	51.7	340	36.7	-16	4.9	326	31.2	-18	22.9									
20	34	4.7	-0	41.1	22	54.9	-4	55.9	11	11.1	-9	5.1	358	43.2	-12	54.6	345	25.2	-16	7.2	331	19.2	-18	24.3										
40	38	55.6	-0	44.6	27	45.4	-4	59.5	16	1.0	-9	8.5	3	32.4	-12	57.6	350	13.8	-16	9.5	336	7.2	-18	25.7										
10	0	43	46.5	-0	48.2	32	35.8	-5	3.0	20	50.9	-9	11.9	8	21.7	-13	0.6	355	2.4	-16	11.9	340	55.1	-18	27.2									
20	48	37.3	-0	51.7	37	26.3	-5	6.5	25	40.9	-9	15.2	13	10.9	-13	3.5	359	50.9	-16	14.2	345	43.0	-18	28.6										
40	53	28.2	-0	55.2	42	16.8	-5	10.0	30	30.8	-9	18.6	18	0.2	-13	6.5	4	39.4	-16	16.5	350	31.0	-18	29.9										
11	0	58	19.1	-0	58.8	47	7.2	-5	13.6	35	20.7	-9	21.9	22	49.4	-13	9.4	9	28.0	-16	18.7	355	18.9	-18	31.3									
20	63	9.9	-1	2.3	51	57.7	-5	17.1	40	10.6	-9	25.2	27	38.6	-13	12.3	14	16.5	-16	21.0	0	6.8	-18	32.7										
40	68	0.8	290.8	-1	5.8	56	48.1	-5	20.6	45	0.4	-9	28.6	32	27.8	-13	15.3	19	5.0	-16	23.3	4	54.7	-18	34.0									
12	0	72	51.6	-1	9.3	61	38.6	-5	24.1	49	50.3	-9	31.9	37	17.0	-13	18.2	23	53.5	-16	25.5	9	42.7	-18	35.3									
20	77	42.4	-1	12.9	66	29.0	-5	27.6	54	40.2	-9	35.2	42	6.2	-13	21.1	28	42.0	-16	27.8	14	30.6	-18	36.7										
40	82	33.3	-1	16.4	71	19.4	-5	31.2	59	30.0	-9	38.6	46	55.4	-13	24.0	33	30.4	-16	30.0	19	18.5	-18	38.0										
13	0	87	24.1	-1	19.9	76	9.8	-5	34.7	64	19.9	-9	41.9	51	44.6	-13	26.9	38	18.9	-16	32.2	24	6.3	-18	39.3									
20	92	14.9	-1	23.5	81	0.2	-5	38.2	69	9.7	-9	45.2	56	33.7	-13	29.8	43	7.4	-16	34.4	28	54.2	-18	40.5										
40	97	5.8	-1	27.0	85	50.7	-5	41.7	73	59.6	-9	48.5	61	22.9	-13	32.7	47	55.8	-16	36.6	33	42.1	-18	41.8										
14	0	101	56.6	-1	30.5	90	41.0	-5	45.2	78	49.4	-9	51.8	66	12.0	-13	35.5	52	44.3	-16	38.8	38	30.0	-18	43.0									

h m	3 Dec				4 Dec				5 Dec				6 Dec				7 Dec				8 Dec			
	GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
0 0	182	23.3	-19	13.5	167	30.1	-19	29.2	152	38.7	-18	22.4	138	12.3	-16	0.1	124	25.5	-12	37.5	111	22.1	-8	33.5
20	187	11.0	-19	14.3	172	17.7	-19	28.9	157	26.4	-18	21.0	143	0.5	-15	57.7	129	14.3	-12	34.3	116	11.5	-8	29.9
40	191	58.7	-19	15.0	177	5.2	-19	28.5	162	14.2	-18	19.5	147	48.8	-15	55.2	134	3.2	-12	31.2	121	1.0	-8	26.3
1 0	196	46.4	-19	15.8	181	52.8	-19	28.1	167	2.0	-18	17.9	152	37.0	-15	52.8	138	52.0	-12	28.0	125	50.4	-8	22.7
20	201	34.1	-19	16.5	186	40.3	-19	27.7	171	49.7	-18	16.4	157	25.2	-15	50.3	143	40.9	-12	24.8	130	39.8	-8	19.1
40	206	21.8	-19	17.2	191	27.9	-19	27.2	176	37.5	-18	14.9	162	13.5	-15	47.8	148	29.7	-12	21.7	135	29.3	-8	15.5
2 0	211	9.5	-19	17.9	196	15.4	-19	26.8	181	25.3	-18	13.3	167	1.8	-15	45.3	153	18.6	-12	18.5	140	18.7	-8	11.9
20	215	57.1	-19	18.6	201	3.0	-19	26.3	186	13.0	-18	11.7	171	50.0	-15	42.8	158	7.5	-12	15.3	145	8.2	-8	8.3
40	220	44.8	-19	19.3	205	50.5	-19	25.9	191	0.8	-18	10.1	176	38.3	-15	40.3	162	56.3	-12	12.1	149	57.6	-8	4.7
3 0	225	32.5	-19	19.9	210	38.1	-19	25.4	195	48.6	-18	8.5	181	26.6	-15	37.7	167	45.2	-12	8.9	154	47.1	-8	1.0
20	230	20.1	-19	20.6	215	25.6	-19	24.8	200	36.4	-18	6.9	186	14.9	-15	35.2	172	34.1	-12	5.6	159	36.6	-7	57.4
40	235	7.8	-19	21.2	220	13.2	-19	24.3	205	24.2	-18	5.3	191	3.2	-15	32.6	177	23.1	-12	2.4	164	26.1	-7	53.8
4 0	239	55.5	-19	21.8	225	0.7	-19	23.8	210	12.0	-18	3.6	195	51.5	-15	30.1	182	12.0	-11	59.2	169	15.5	-7	50.2
20	244	43.1	-19	22.4	229	48.3	-19	23.2	214	59.8	-18	2.0	200	39.8	-15	27.5	187	0.9	-11	55.9	174	5.0	-7	46.5
40	249	30.7	-19	23.0	234	35.8	-19	22.6	219	47.7	-18	0.3	205	28.2	-15	24.9	191	49.8	-11	52.7	178	54.6	-7	42.9
5 0	254	18.4	-19	23.5	239	23.4	-19	22.1	224	35.5	-17	58.6	210	16.5	-15	22.3	196	38.8	-11	49.4	183	44.1	-7	39.2
20	259	6.0	-19	24.1	244	11.0	-19	21.4	229	23.3	-17	56.9	215	4.9	-15	19.7	201	27.7	-11	46.2	188	33.6	-7	35.6
40	263	53.7	-19	24.6	248	58.5	-19	20.8	234	11.2	-17	55.2	219	53.2	-15	17.0	206	16.7	-11	42.9	193	23.1	-7	31.9
6 0	268	41.3	-19	25.1	253	46.1	-19	20.2	238	59.0	-17	53.5	224	41.6	-15	14.4	211	5.7	-11	39.6	198	12.7	-7	28.3
20	273	28.9	-19	25.6	258	33.7	-19	19.5	243	46.8	-17	51.7	229	29.9	-15	11.8	215	54.6	-11	36.3	203	2.2	-7	24.6
40	278	16.5	-19	26.1	263	21.2	-19	18.9	248	34.7	-17	50.0	234	18.3	-15	9.1	220	43.6	-11	33.0	207	51.7	-7	21.0
7 0	283	4.2	-19	26.6	268	8.8	-19	18.2	253	22.6	-17	48.2	239	6.7	-15	6.4	225	32.6	-11	29.7	212	41.3	-7	17.3
20	287	51.8	-19	27.0	272	56.4	-19	17.5	258	10.4	-17	46.4	243	55.1	-15	3.8	230	21.6	-11	26.4	217	30.9	-7	13.6
40	292	39.4	-19	27.5	277	43.9	-19	16.7	262	58.3	-17	44.6	248	43.5	-15	1.1	235	10.6	-11	23.1	222	20.4	-7	10.0
8 0	297	27.0	-19	27.9	282	31.5	-19	16.0	267	46.2	-17	42.8	253	31.9	-14	58.4	239	59.6	-11	19.8	227	10.0	-7	6.3
20	302	14.6	-19	28.3	287	19.1	-19	15.3	272	34.1	-17	40.9	258	20.3	-14	55.7	244	48.7	-11	16.5	231	59.6	-7	2.6
40	307	2.2	-19	28.7	292	6.7	-19	14.5	277	21.9	-17	39.1	263	8.7	-14	53.0	249	37.7	-11	13.1	236	49.2	-6	58.9
9 0	311	49.8	-19	29.1	296	54.3	-19	13.7	282	9.8	-17	37.2	267	57.2	-14	50.2	254	26.8	-11	9.8	241	38.8	-6	55.2
20	316	37.4	-19	29.4	301	41.8	-19	12.9	286	57.7	-17	35.4	272	45.6	-14	47.5	259	15.8	-11	6.5	246	28.4	-6	51.5
40	321	25.0	-19	29.8	306	29.4	-19	12.1	291	45.7	-17	33.5	277	34.1	-14	44.7	264	4.9	-11	3.1	251	18.0	-6	47.9
10 0	326	12.6	-19	30.1	311	17.0	-19	11.3	296	33.6	-17	31.6	282	22.5	-14	42.0	268	53.9	-10	59.7	256	7.6	-6	44.2
20	331	0.2	-19	30.4	316	4.6	-19	10.4	301	21.5	-17	29.7	287	11.0	-14	39.2	273	43.0	-10	56.4	260	57.3	-6	40.5
40	335	47.8	-19	30.7	320	52.2	-19	9.6	306	9.4	-17	27.8	291	59.5	-14	36.4	278	32.1	-10	53.0	265	46.9	-6	36.8
11 0	340	35.4	-19	31.0	325	39.8	-19	8.7	310	57.4	-17	25.8	296	48.0	-14	33.6	283	21.2	-10	49.6	270	36.5	-6	33.1
20	345	23.0	-19	31.2	330	27.4	-19	7.8	315	45.3	-17	23.9	301	36.5	-14	30.8	288	10.3	-10	46.2	275	26.2	-6	29.4
40	350	10.6	-19	31.5	335	15.0	-19	6.9	320	33.2	-17	21.9	306	25.0	-14	28.0	292	59.4	-10	42.9	280	15.8	-6	25.6
12 0	354	58.1	-19	31.7	340	2.6	-19	6.0	325	21.2	-17	19.9	311	13.5	-14	25.2	297	48.5	-10	39.5	285	5.5	-6	21.9
20	359	45.7	-19	31.9	344	50.2	-19	5.0	330	9.2	-17	17.9	316	2.0	-14	22.4	302	37.7	-10	36.1	289	55.2	-6	18.2
40	4	33.3	-19	32.1	349	37.8	-19	4.1	334	57.1	-17	15.9	320	50.5	-14	19.5	307	26.8	-10	32.6	294	44.8	-6	14.5
13 0	9	20.9	-19	32.3	354	25.4	-19	3.1	339	45.1	-17	13.9	325	39.1	-14	16.7	312	15.9	-10	29.2	299	34.5	-6	10.8
20	14	8.4	-19	32.5	359	13.0	-19	2.1	344	33.1	-17	11.9	330	27.6	-14	13.8	317	5.1	-10	25.8	304	24.2	-6	7.1
40	18	56.0	-19	32.6	4	0.7	-19	1.1	349	21.1	-17	9.8	335	16.2	-14	10.9	321	54.2	-10	22.4	309	13.6	-6	3.3
14 0	23	43.6	-19	32.7	8	48.3	-19	0.1	354	9.1	-17	7.8	340	4.7	-14	8.1	326	43.4	-10	19.0	314	3.6	-5	59.6
20	28	31.1	-19	32.9	13	35.9	-18	59.1	358	57.1	-17	5.7	344	53.3	-14	5.2	331	32.6	-10	15.5	318	53.3	-5	55.9
40	33	18.7	-19	33.0	18	23.5	-18	58.0	3	45.1	-17	3.6	349	41.9	-14	2.3	336	21.8	-10	12.1	323	43.0	-5	52.2
15 0	38	6.3	-19	33.0	23	11.2	-18	56.9	8	33.1	-17	1.5	354	30.5	-13	59.4	341	11.0	-10	8.6	328	32.7	-5	48.4
20	42	53.8	-19	33.1	27	58.8	-18	55.9	13	21.1	-16	59.4	359	19.0	-13	56.5	346	0.2	-10	5.2	333	22.5	-5	44.7
40	47	41.4	-19	33.2	32	46.4	-18	54.8	18	9.2	-16	57.3	4	7.6	-13	53.5	350	49.4	-10	1.7	338	12.2	-5	40.9
16 0	52	28.9	-19	33.2	37	34.1	-18	53.7	22	57.2	-16	55.1	8	56.3	-13	50.6	355	38.6	-9	58.2	343	1.9	-5	37.2
20	57	16.5	-19	33.2	42	21.7	-18	52.5	27	45.2	-16	53.0	13	44.9	-13	47.7	0	27.8	-9	54.8	347	51.7	-5	33.5
40	62	4.1	-19	33.2	47	9.4	-18	51.4	32	33.3	-16	50.8	18	33.5	-13	44.7	5	17.0	-9	51.3	352	41.4	-5	29.7
17 0	66	51.6	-19	33.2	51	57.0	-18	50.2	37	21.3	-16	48.7	23	22.1	-13	41.7	10	6.3	-9	47.8	357	31.2	-5	26.0
20	71	39.2	-19	33.2	56	44.7	-18	49.1	42	9.4	-16	46.5	28	10.8	-13	38.8	14	55.5	-9	44.3	2	20.9	-5	22.2
40	76	26.7	-19	33.1	61	32.3	-18	47.9	46	57.5	-16	44.3	32	59.4	-13	35.8	19	44.8	-9	40.8	7	10.7	-5	18.5
18 0	81	14.3	-19	33.																				

		9 Dec				10 Dec				11 Dec				12 Dec				13 Dec				14 Dec			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
<i>h</i>	<i>m</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>	<i>o</i>	<i>d</i>		
00	0	98	57.5	-4	6.9	87	2.1	0	25.7	75	25.0	4	50.5	63	55.6	8	55.9	52	25.7	12	31.9	40	49.8	15	29.9
20		103	47.4	-4	3.1	91	52.3	0	29.5	80	15.4	4	54.1	68	46.1	8	59.1	57	16.0	12	34.6	45	40.1	15	32.0
40		108	37.3	-3	59.3	96	42.6	0	33.3	85	5.8	4	57.7	73	36.5	9	2.3	62	6.4	12	37.4	50	30.3	15	34.2
10	0	113	27.2	-3	55.6	101	32.8	0	37.0	89	56.2	5	1.2	78	26.9	9	5.6	66	56.8	12	40.1	55	20.6	15	36.4
20		118	17.1	-3	51.8	106	23.0	0	40.8	94	46.6	5	4.8	83	17.4	9	8.8	71	47.2	12	42.8	60	10.9	15	38.5
40		123	7.0	-3	48.0	111	13.2	0	44.5	99	37.0	5	8.3	88	7.8	9	12.0	76	37.6	12	45.6	65	1.2	15	40.6
20	0	127	56.9	-3	44.2	116	3.5	0	48.3	104	27.4	5	11.9	92	58.2	9	15.2	81	28.0	12	48.3	69	51.4	15	42.8
40		132	46.8	-3	40.4	120	53.7	0	52.0	109	17.8	5	15.4	97	48.7	9	18.3	86	18.3	12	51.0	74	41.7	15	44.9
00		137	36.7	-3	36.6	125	44.0	0	55.8	114	8.2	5	19.0	102	39.1	9	21.5	91	8.7	12	53.7	79	32.0	15	47.0
20	0	142	26.7	-3	32.9	130	34.2	0	59.5	118	58.6	5	22.5	107	29.5	9	24.7	95	59.1	12	56.4	84	22.2	15	49.1
40		147	16.6	-3	29.1	135	24.4	1	3.3	123	49.0	5	26.0	112	20.0	9	27.9	100	49.4	12	59.0	89	12.5	15	51.2
00		152	6.6	-3	25.3	140	14.7	1	7.0	128	39.4	5	29.6	117	10.4	9	31.0	105	39.8	13	1.7	94	2.8	15	53.2
20	0	156	56.5	-3	21.5	145	5.0	1	10.8	133	29.8	5	33.1	122	0.9	9	34.2	110	30.2	13	4.4	98	53.0	15	55.3
40		161	46.5	-3	17.7	149	55.2	1	14.5	138	20.2	5	36.6	126	51.3	9	37.3	115	20.6	13	7.1	103	43.3	15	57.4
00		166	36.4	-3	13.9	154	45.5	1	18.2	143	10.6	5	40.1	131	41.7	9	40.5	120	10.9	13	9.7	108	33.6	15	59.4
20	0	171	26.4	-3	10.1	159	35.7	1	22.0	148	1.0	5	43.6	136	32.2	9	43.6	125	1.3	13	12.4	113	23.8	16	1.5
40		176	16.4	-3	6.3	164	26.0	1	25.7	152	51.4	5	47.1	141	22.6	9	46.8	129	51.7	13	15.0	118	14.1	16	3.5
00		181	6.3	-3	2.5	169	16.3	1	29.4	157	41.9	5	50.6	146	13.0	9	49.9	134	42.0	13	17.6	123	4.3	16	5.5
20	0	185	56.3	-2	58.7	174	6.5	1	33.2	162	32.3	5	54.1	151	3.5	9	53.0	139	32.4	13	20.2	127	54.6	16	7.6
40		190	46.3	-2	54.9	178	56.8	1	36.9	167	22.7	5	57.6	155	53.9	9	56.1	144	22.7	13	22.9	132	44.8	16	9.6
00		195	36.3	-2	51.1	183	47.1	1	40.6	172	13.1	6	1.1	160	44.3	9	59.2	149	13.1	13	25.5	137	35.1	16	11.6
20	0	200	26.3	-2	47.3	188	37.4	1	44.3	177	3.5	6	4.6	165	34.7	10	2.3	154	3.5	13	28.1	142	25.3	16	13.6
40		205	16.3	-2	43.6	193	27.7	1	48.1	181	53.9	6	8.1	170	25.2	10	5.4	158	53.8	13	30.7	147	15.6	16	15.5
00		210	6.3	-2	39.8	198	18.0	1	51.8	186	44.4	6	11.5	175	15.6	10	8.5	163	44.2	13	33.2	152	5.8	16	17.5
20	0	214	56.3	-2	36.0	203	8.2	1	55.5	191	34.8	6	15.0	180	6.0	10	11.6	168	34.5	13	35.8	156	56.1	16	19.5
40		219	46.3	-2	32.2	207	58.5	1	59.2	196	25.2	6	18.5	184	56.5	10	14.7	173	24.9	13	38.4	161	46.3	16	21.4
00		224	36.3	-2	28.4	212	48.8	2	2.9	201	15.6	6	21.9	189	46.9	10	17.8	178	15.2	13	40.9	166	36.6	16	23.4
20	0	229	26.4	-2	24.6	217	39.1	2	6.6	206	6.1	6	25.4	194	37.3	10	20.8	183	5.6	13	43.5	171	26.8	16	25.3
40		234	16.4	-2	20.8	222	29.4	2	10.3	210	56.5	6	28.9	199	27.7	10	23.9	187	55.9	13	46.0	176	17.1	16	27.2
00		239	6.4	-2	17.0	227	19.7	2	14.0	215	46.9	6	32.3	204	18.2	10	26.9	192	46.3	13	48.6	181	7.3	16	29.2
20	0	243	56.5	-2	13.2	232	10.1	2	17.7	220	37.3	6	35.8	209	8.6	10	30.0	197	36.6	13	51.1	185	57.5	16	31.1
40		248	46.5	-2	9.4	237	0.4	2	21.4	225	27.8	6	39.2	213	59.0	10	33.0	202	27.0	13	53.6	190	47.8	16	33.0
00		253	36.6	-2	5.6	241	50.7	2	25.1	230	18.2	6	42.6	218	49.4	10	36.1	207	17.3	13	56.1	195	38.0	16	34.9
20	0	258	26.6	-2	1.8	246	41.0	2	28.8	235	8.6	6	46.1	223	39.9	10	39.1	212	7.6	13	58.6	200	28.2	16	36.7
40		263	16.7	-1	58.0	251	31.3	2	32.5	239	59.0	6	49.5	228	30.3	10	42.1	216	58.0	14	1.1	205	18.5	16	38.6
00		268	6.8	-1	54.2	256	21.6	2	36.2	244	49.5	6	52.9	233	20.7	10	45.1	221	48.3	14	3.6	210	8.7	16	40.5
20	0	272	56.8	-1	50.4	261	11.9	2	39.9	249	39.9	6	56.3	238	11.1	10	48.1	226	38.7	14	6.1	214	58.9	16	42.3
40		277	46.9	-1	46.6	266	2.3	2	43.6	254	30.3	6	59.7	243	1.6	10	51.1	231	29.0	14	8.6	219	49.2	16	44.2
00		282	37.0	-1	42.8	270	52.6	2	47.3	259	20.8	7	3.1	247	52.0	10	54.1	236	19.3	14	11.0	224	39.4	16	46.0
20	0	287	27.1	-1	39.0	275	42.9	2	50.9	264	11.2	7	6.5	252	42.4	10	57.1	241	9.7	14	13.5	229	29.6	16	47.8
40		292	17.1	-1	35.2	280	33.3	2	54.6	269	1.6	7	9.9	257	32.8	11	0.1	245	60.0	14	15.9	234	19.8	16	49.6
00		297	7.2	-1	31.4	285	23.6	2	58.3	273	52.1	7	13.3	262	23.2	11	3.1	250	50.3	14	18.4	239	10.1	16	51.4
20	0	301	57.3	-1	27.7	290	13.9	3	2.0	278	42.5	7	16.7	267	13.6	11	6.0	255	40.6	14	20.8	244	0.3	16	53.2
40		306	47.4	-1	23.9	295	4.3	3	5.6	283	32.9	7	20.1	272	4.1	11	9.0	260	31.0	14	23.2	248	50.5	16	55.0
00		311	37.5	-1	20.1	299	54.6	3	9.3	288	23.4	7	23.5	276	54.5	11	12.0	265	21.3	14	25.7	253	40.7	16	56.8
20	0	316	27.6	-1	16.3	304	45.0	3	12.9	293	13.8	7	26.8	281	44.9	11	14.9	270	11.6	14	28.1	258	30.9	16	58.6
40		321	17.8	-1	12.5	309	35.3	3	16.6	298	4.2	7	30.2	286	35.3	11	17.8	275	1.9	14	30.5	263	21.1	17	0.3
00		326	7.9	-1	8.7	314	25.6	3	20.3	302	54.7	7	33.6	291	25.7	11	20.8	279	52.3	14	32.9	268	11.4	17	2.1
20	0	330	58.0	-1	4.9	319	16.0	3	23.9	307	45.1	7	36.9	296	16.1	11	23.7	284	42.6	14	35.2	273	1.6	17	3.8
40		335	48.1	-1	1.1	324	6.3	3	27.6	312	35.5	7	40.3	301	6.5	11	26.6	289	32.9	14	37.6	277	51.8	17	5.6
00		340	38.2	-0	57.3	328	56.7	3	31.2	317	26.0	7	43.6	305	56.9	11	29.5	294	23.2	14	40.0	282	42.0	17	7.3
20	0	345	28.4	-0	53.5	333	47.1	3	34.8	322	16.4	7	47.0	310	47.3	11	32.5	299	13.5	14	42.3	287	32.2	17	9.0
40		350	18.5	-0	49.8	338	37.4	3	38.5	327	6.9	7	50.3	315	37.8	11	35.4	304	3.8	14	44.7	292	22.4	17	10.7
00		355	8.7	-0	46.0	343	27.8	3	42.1	331	57.3	7	53.6	320	28.2	11	38.2	308	54.1	14	47.0	297	12.6	17	12.4
20	0	359	58.8	-0	42.2	348	18.1	3	45.7	336	47.7	7	57.0	325	18.6	11	41.1	313	44.5	14	49.4	302	2.8	17	14.1
40		4	49.0	-0	38.4	353	8.5	3	49.4	341	38.2	8	0.3	330	9.0	11	44.0	318	34.8	14	51.7	306	53.0	17	15.7
00		9	39.1	-0	34.6	357	58.9	3	53.0	346	28.6	8	3.												

		15 Dec				16 Dec				17 Dec				18 Dec				19 Dec				20 Dec			
		GHA				GHA				GHA				GHA				GHA				GHA			
		Dec				Dec				Dec				Dec				Dec				Dec			
h	m	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'	o	d	d'
0	0	29	6.3	17	42.7	17	17.4	19	5.1	5	28.4	19	34.2	353	46.0	19	9.8	342	16.6	17	54.6	331	4.3	15	53.6
	20	33	56.5	17	44.2	22	7.6	19	5.9	10	18.5	19	34.2	358	36.3	19	9.1	347	7.1	17	53.3	335	55.1	15	51.6
	40	38	46.7	17	45.7	26	57.7	19	6.7	15	8.7	19	34.2	3	26.6	19	8.4	351	57.6	17	51.9	340	45.9	15	49.7
1	0	43	36.8	17	47.2	31	47.8	19	7.4	19	58.9	19	34.2	8	16.9	19	7.6	356	48.2	17	50.5	345	36.7	15	47.7
	20	48	27.0	17	48.7	36	38.0	19	8.2	24	49.1	19	34.2	13	7.3	19	6.9	1	38.7	17	49.1	350	27.5	15	45.7
	40	53	17.2	17	50.1	41	28.1	19	8.9	29	39.3	19	34.2	17	57.6	19	6.2	6	29.3	17	47.6	355	18.3	15	43.7
2	0	58	7.4	17	51.6	46	18.2	19	9.6	34	29.5	19	34.2	22	47.9	19	5.4	11	19.9	17	46.2	0	9.1	15	41.7
	20	62	57.6	17	53.0	51	8.4	19	10.3	39	19.7	19	34.1	27	38.3	19	4.6	16	10.4	17	44.8	4	59.9	15	39.6
	40	67	47.7	17	54.4	55	58.5	19	11.0	44	9.9	19	34.1	32	28.6	19	3.9	21	1.0	17	43.3	9	50.7	15	37.6
3	0	72	37.9	17	55.9	60	48.7	19	11.7	49	0.1	19	34.0	37	19.0	19	3.1	25	51.5	17	41.9	14	41.5	15	35.6
	20	77	28.1	17	57.3	65	38.8	19	12.4	53	50.3	19	34.0	42	9.3	19	2.3	30	42.1	17	40.4	19	32.4	15	33.5
	40	82	18.2	17	58.7	70	28.9	19	13.1	58	40.5	19	33.9	46	59.7	19	1.5	35	32.7	17	39.0	24	23.2	15	31.5
4	0	87	8.4	18	0.1	75	19.1	19	13.7	63	30.6	19	33.8	51	50.0	19	0.7	40	23.3	17	37.5	29	14.0	15	29.4
	20	91	58.6	18	1.5	80	9.2	19	14.4	68	20.9	19	33.7	56	40.4	18	59.9	45	13.8	17	36.0	34	4.9	15	27.4
	40	96	48.8	18	2.8	84	59.4	19	15.0	73	11.1	19	33.6	61	30.7	18	59.0	50	4.4	17	34.5	38	55.7	15	25.3
5	0	101	38.9	18	4.2	89	49.5	19	15.6	78	1.3	19	33.5	66	21.1	18	58.2	54	55.0	17	33.0	43	46.5	15	23.2
	20	106	29.1	18	5.5	94	39.6	19	16.2	82	51.5	19	33.3	71	11.5	18	57.3	59	45.6	17	31.5	48	37.4	15	21.1
	40	111	19.3	18	6.9	99	29.8	19	16.8	87	41.7	19	33.2	76	1.8	18	56.5	64	36.2	17	30.0	53	28.2	15	19.0
6	0	116	9.4	18	8.2	104	19.9	19	17.4	92	31.9	19	33.0	80	52.2	18	55.6	69	26.8	17	28.4	58	19.1	15	16.9
	20	120	59.6	18	9.5	109	10.1	19	18.0	97	22.1	19	32.9	85	42.6	18	54.7	74	17.4	17	26.9	63	9.9	15	14.8
	40	125	49.8	18	10.8	114	0.2	19	18.6	102	12.3	19	32.7	90	32.9	18	53.8	79	8.0	17	25.4	68	0.8	15	12.7
7	0	130	39.9	18	12.1	118	50.3	19	19.2	107	2.5	19	32.5	95	23.3	18	52.9	83	58.6	17	23.8	72	51.6	15	10.6
	20	135	30.1	18	13.4	123	40.5	19	19.7	111	52.7	19	32.3	100	13.7	18	52.0	88	49.2	17	22.2	77	42.5	15	8.5
	40	140	20.2	18	14.7	128	30.6	19	20.3	116	42.9	19	32.1	105	4.1	18	51.1	93	39.8	17	20.7	82	33.4	15	6.3
8	0	145	10.4	18	16.0	133	20.8	19	20.8	121	33.2	19	31.9	109	54.5	18	50.2	98	30.5	17	19.1	87	24.3	15	4.2
	20	150	0.6	18	17.3	138	10.9	19	21.3	126	23.4	19	31.7	114	44.8	18	49.2	103	21.1	17	17.5	92	15.1	15	2.0
	40	154	50.7	18	18.5	143	1.0	19	21.8	131	13.6	19	31.5	119	35.2	18	48.3	108	11.7	17	15.9	97	6.0	14	59.9
9	0	159	40.9	18	19.7	147	51.2	19	22.3	136	3.8	19	31.2	124	25.6	18	47.3	113	2.3	17	14.3	101	56.9	14	57.7
	20	164	31.0	18	21.0	152	41.3	19	22.8	140	54.0	19	31.0	129	16.0	18	46.4	117	53.0	17	12.7	106	47.8	14	55.5
	40	169	21.2	18	22.2	157	31.5	19	23.3	145	44.3	19	30.7	134	6.4	18	45.4	122	43.6	17	11.1	111	38.7	14	53.3
10	0	174	11.3	18	23.4	162	21.6	19	23.8	150	34.5	19	30.4	138	56.8	18	44.4	127	34.2	17	9.4	116	29.6	14	51.2
	20	179	1.5	18	24.6	167	11.8	19	24.2	155	24.7	19	30.1	143	47.2	18	43.4	132	24.9	17	7.8	121	20.4	14	49.0
	40	183	51.7	18	25.8	172	1.9	19	24.7	160	15.0	19	29.8	148	37.6	18	42.4	137	15.5	17	6.2	126	11.3	14	46.8
11	0	188	41.8	18	27.0	176	52.1	19	25.1	165	5.2	19	29.5	153	28.1	18	41.4	142	6.2	17	4.5	131	2.2	14	44.6
	20	193	32.0	18	28.0	181	42.2	19	25.6	169	55.4	19	29.2	158	18.5	18	40.4	146	56.8	17	2.8	135	53.2	14	42.3
	40	198	22.1	18	29.3	186	32.3	19	26.0	174	45.7	19	28.9	163	8.9	18	39.3	151	47.5	17	1.2	140	44.1	14	40.1
12	0	203	12.3	18	30.5	191	22.5	19	26.4	179	35.9	19	28.6	167	59.3	18	38.3	156	38.2	16	59.5	145	35.0	14	37.9
	20	208	2.4	18	31.6	196	12.6	19	26.8	184	26.1	19	28.2	172	49.7	18	37.2	161	28.8	16	57.8	150	25.9	14	35.6
	40	212	52.6	18	32.7	201	2.8	19	27.2	189	16.4	19	27.9	177	40.2	18	36.2	166	19.5	16	56.1	155	16.8	14	33.4
13	0	217	42.7	18	33.9	205	52.9	19	27.6	194	6.6	19	27.5	182	30.6	18	35.1	171	10.2	16	54.4	160	7.7	14	31.2
	20	222	32.9	18	35.0	210	43.1	19	27.9	198	56.9	19	27.1	187	21.0	18	34.0	176	0.8	16	52.7	164	58.7	14	28.9
	40	227	23.0	18	36.1	215	33.2	19	28.3	203	47.1	19	26.7	192	11.5	18	32.9	180	51.5	16	51.0	169	49.6	14	26.6
14	0	232	13.2	18	37.2	220	23.4	19	28.6	208	37.4	19	26.3	197	1.9	18	31.8	185	42.2	16	49.2	174	40.5	14	24.4
	20	237	3.3	18	38.2	225	13.6	19	29.0	213	27.6	19	25.9	201	52.3	18	30.7	190	32.9	16	47.5	179	31.5	14	22.1
	40	241	53.5	18	39.3	230	3.7	19	29.3	218	17.9	19	25.5	206	42.8	18	29.6	195	23.6	16	45.7	184	22.4	14	19.8
15	0	246	43.6	18	40.4	234	53.9	19	29.6	223	8.2	19	25.1	211	33.2	18	28.5	200	14.3	16	44.0	189	13.3	14	17.5
	20	251	33.7	18	41.4	239	44.0	19	29.9	227	58.4	19	24.7	216	23.7	18	27.4	205	5.0	16	42.2	194	4.3	14	15.2
	40	256	23.9	18	42.5	244	34.2	19	30.2	232	48.7	19	24.2	221	14.1	18	26.2	209	55.7	16	40.5	198	55.2	14	12.9
16	0	261	14.0	18	43.5	249	24.3	19	30.5	237	38.9	19	23.7	226	4.6	18	25.1	214	46.4	16	38.7	203	46.2	14	10.6
	20	266	4.2	18	44.5	254	14.5	19	30.8	242	29.2	19	23.3	230	55.1	18	23.9	219	3						

		21 Dec				22 Dec				23 Dec				24 Dec				25 Dec				26 Dec			
		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec		GHA		Dec	
h	m	o	d	o	d'	o	d'	o	d'	o	d'	o	d'	o	d'	o	d'	o	d'	o	d'	o	d'		
0	0	320	10.0	13	13.1	309	31.0	10	0.3	299	1.7	6	22.3	288	33.8	2	26.5	277	57.0	-1	39.6	266	59.9	-5	47.5
0	20	325	1.0	13	10.7	314	22.2	9	57.4	303	53.0	6	19.1	293	25.0	2	23.1	282	48.0	-1	43.1	271	50.5	-5	50.9
0	40	329	52.0	13	8.2	319	13.5	9	54.5	308	44.3	6	16.0	298	16.2	2	19.7	287	39.1	-1	46.5	276	41.2	-5	54.3
1	0	334	43.1	13	5.7	324	4.7	9	51.7	313	35.6	6	12.8	303	7.5	2	16.4	292	30.1	-1	50.0	281	31.9	-5	57.7
1	20	339	34.1	13	3.2	328	55.9	9	48.8	318	26.9	6	9.6	307	58.7	2	13.0	297	21.1	-1	53.4	286	22.5	-6	1.1
1	40	344	25.2	13	0.7	333	47.1	9	45.9	323	18.2	6	6.4	312	49.9	2	9.6	302	12.1	-1	56.9	291	13.2	-6	4.5
2	0	349	16.2	12	58.2	338	38.3	9	43.0	328	9.5	6	3.2	317	41.2	2	6.3	307	3.2	-2	0.3	296	3.8	-6	7.9
2	20	354	7.3	12	55.7	343	29.5	9	40.1	333	0.7	6	0.0	322	32.4	2	2.9	311	54.2	-2	3.8	300	54.5	-6	11.3
2	40	358	58.3	12	53.2	348	20.8	9	37.2	337	52.0	5	56.8	327	23.6	1	59.5	316	45.2	-2	7.2	305	45.1	-6	14.7
3	0	3	49.4	12	50.7	353	12.0	9	34.3	342	43.3	5	53.7	332	14.9	1	56.1	321	36.2	-2	10.7	310	35.7	-6	18.1
3	20	8	40.4	12	48.1	358	3.2	9	31.4	347	34.6	5	50.5	337	6.1	1	52.7	326	27.2	-2	14.1	315	26.3	-6	21.5
3	40	13	31.5	12	45.6	2	54.4	9	28.4	352	25.9	5	47.2	341	57.3	1	49.3	331	18.2	-2	17.6	320	16.9	-6	24.9
4	0	18	22.5	12	43.1	7	45.7	9	25.5	357	17.2	5	44.0	346	48.5	1	46.0	336	9.2	-2	21.0	325	7.5	-6	28.3
4	20	23	13.6	12	40.5	12	36.9	9	22.6	347	34.6	5	40.8	351	39.8	1	42.6	341	0.2	-2	24.5	329	58.1	-6	31.6
4	40	28	4.7	12	38.0	17	28.1	9	19.6	6	59.8	5	37.6	356	31.0	1	39.2	345	51.2	-2	27.9	334	48.7	-6	35.0
5	0	32	55.8	12	35.4	22	19.4	9	16.7	11	51.1	5	34.4	1	22.2	1	35.8	350	42.2	-2	31.4	339	39.3	-6	38.4
5	20	37	46.8	12	32.8	27	10.6	9	13.8	16	42.4	5	31.2	6	13.4	1	32.4	355	33.1	-2	34.9	344	29.9	-6	41.8
5	40	42	37.9	12	30.3	32	1.8	9	10.8	21	33.7	5	28.0	11	4.6	1	29.0	0	24.1	-2	38.3	349	20.4	-6	45.2
6	0	47	29.0	12	27.7	36	53.1	9	7.9	26	25.0	5	24.7	15	55.8	1	25.6	5	15.1	-2	41.8	354	11.0	-6	48.5
6	20	52	20.1	12	25.1	41	44.3	9	4.9	31	16.3	5	21.5	20	47.0	1	22.2	10	6.0	-2	45.2	359	1.6	-6	51.9
6	40	57	11.2	12	22.5	46	35.6	9	2.0	36	7.5	5	18.3	25	38.2	1	18.8	14	57.0	-2	48.7	3	52.1	-6	55.3
7	0	62	2.2	12	19.9	51	26.8	8	59.0	40	58.8	5	15.0	30	29.4	1	15.4	19	48.0	-2	52.1	8	42.6	-6	58.7
7	20	66	53.3	12	17.3	56	18.1	8	56.0	45	50.1	5	11.8	35	20.6	1	12.0	24	38.9	-2	55.6	13	33.2	-7	2.0
7	40	71	44.4	12	14.7	61	9.3	8	53.0	50	41.4	5	8.6	40	11.8	1	8.6	29	29.9	-2	59.0	18	23.7	-7	5.4
8	0	76	35.5	12	12.1	66	0.6	8	50.1	55	32.7	5	5.3	45	3.0	1	5.2	34	20.8	-3	2.5	23	14.2	-7	8.8
8	20	81	26.6	12	9.5	70	51.8	8	47.1	60	24.0	5	2.1	49	54.2	1	1.8	39	11.7	-3	5.9	28	4.7	-7	12.1
8	40	86	17.7	12	6.9	75	43.1	8	44.1	65	15.3	4	58.8	54	45.4	0	58.4	44	2.7	-3	9.4	32	55.2	-7	15.5
9	0	91	8.8	12	4.2	80	34.3	8	41.1	70	6.6	4	55.6	59	36.6	0	55.0	48	53.6	-3	12.8	37	45.7	-7	18.8
9	20	95	59.9	12	1.6	85	25.6	8	38.1	74	57.9	4	52.3	64	27.8	0	51.6	53	44.5	-3	16.3	42	36.2	-7	22.2
9	40	100	51.0	11	59.0	90	16.8	8	35.1	79	49.2	4	49.0	69	19.0	0	48.1	58	35.4	-3	19.7	47	26.7	-7	25.6
10	0	105	42.2	11	56.3	95	8.1	8	32.1	84	40.4	4	45.8	74	10.1	0	44.7	63	26.4	-3	23.2	52	17.2	-7	28.9
10	20	110	33.3	11	53.7	99	59.3	8	29.1	89	31.7	4	42.5	79	1.3	0	41.3	68	17.3	-3	26.6	57	7.7	-7	32.3
10	40	115	24.4	11	51.0	104	50.6	8	26.1	94	23.0	4	39.3	83	52.5	0	37.9	73	8.2	-3	30.1	61	58.1	-7	35.6
11	0	120	15.5	11	48.3	109	41.8	8	23.1	99	14.3	4	36.0	88	43.7	0	34.5	77	59.1	-3	33.5	66	48.6	-7	38.9
11	20	125	6.6	11	45.7	114	33.1	8	20.0	104	5.6	4	32.7	93	34.8	0	31.1	82	50.0	-3	37.0	71	39.5	-7	42.3
11	40	129	57.8	11	43.0	119	24.4	8	17.0	108	56.9	4	29.4	98	26.0	0	27.6	87	40.8	-3	40.4	76	29.0	-7	45.6
12	0	134	48.9	11	40.3	124	15.6	8	14.0	113	48.2	4	26.2	103	17.2	0	24.2	92	31.7	-3	43.9	81	19.9	-7	49.0
12	20	139	40.0	11	37.6	129	6.9	8	11.0	118	39.4	4	22.9	108	8.3	0	20.8	97	22.6	-3	47.3	86	10.3	-7	52.3
12	40	144	31.1	11	34.9	133	58.2	8	7.9	123	30.7	4	19.6	112	59.5	0	17.4	102	13.5	-3	50.8	91	0.8	-7	55.6
13	0	149	22.3	11	32.2	138	49.4	8	4.9	128	22.0	4	16.3	117	50.6	0	13.9	107	4.3	-3	54.2	95	51.2	-7	58.9
13	20	154	13.4	11	29.5	143	40.7	8	1.8	133	13.3	4	13.0	122	41.8	0	10.5	111	55.2	-3	57.7	100	41.6	-8	2.3
13	40	159	4.6	11	26.8	148	32.0	7	58.8	138	4.6	4	9.7	127	32.9	0	7.1	116	46.1	-4	1.1	105	32.0	-8	5.6
14	0	163	55.7	11	24.1	153	23.2	7	55.7	142	55.8	4	6.4	132	24.1	0	3.7	121	36.9	-4	4.6	110	22.4	-8	8.9
14	20	168	46.8	11	21.4	158	14.5	7	52.7	147	47.1	4	3.1	137	15.2	0	0.2	126	27.8	-4	8.0	115	12.7	-8	12.2
14	40	173	38.0	11	18.7	163	5.8	7	49.6	152	38.4	3	59.8	142	6.4	-0	3.2	131	18.6	-4	11.5	120	3.1	-8	15.5
15	0	178	29.1	11	16.0	167	57.1	7	46.5	157	29.7	3	56.5	146	57.5	-0	6.6	136	9.4	-4	14.9	124	53.5	-8	18.8
15	20	183	20.3	11	13.2	172	48.3	7	43.5	162	21.0	3	53.2	151	48.6	-0	10.1	141	0.3	-4	18.3	129	43.8	-8	22.1
15	40	188	11.5	11	10.5	177	39.6	7	40.4	167	12.2	3	49.9	156	39.8	-0	13.5	145	51.1	-4	21.8	134	34.2	-8	25.4
16	0	193	2.6	11	7.7	182	30.9	7	37.3	172	3.5	3	46.6	161	30.9	-0	16.9	150	41.9	-4	25.2	139	24.5	-8	28.7
16	20	197	53.8	11	5.0	187	22.2	7	34.2	176	54.8	3	43.3	166	22.0	-0	20.4	155	32.7	-4	28.7	144	14.9	-8	32.0
16	40	202	44.9	11	2.2	192	13.4	7	31.1	181	46.1	3	40.0	171	13.2	-0	23.8	160	23.5	-4	32.1	149	5.2	-8	35.3
17	0	207	36.1	10	59.5	197	4.7	7	28.1	186	37.3	3	36.7	176	4.3	-0	27.2	165	14.3	-4	35.5	153	55.5	-8	38.6
17	20	212	27.3	10	56.7	201	56.0	7	25.0	191	28.6	3	33.3	180	55.4	-0	30.7	170	5.1	-4	39.0	158	45.8	-8	41.9
17	40	217	18.4	10	53.9	206	47.3	7	21.9	196	19.9	3	30.0	185	46.5	-0	34.1	174	55.9	-4	42.4	163	36.1	-8	45.2
18	0	222	9.6	10	51.1	211	38.6	7	18.8	201	11.1	3	26.7	190	37.6	-0	37.6	179	46.7	-4	45.8	168	26.4	-8	48.5
18	20	227	0.8	10	48.4	216	29.8	7	15.7	206	2.4	3	23.4	195	28.7	-0	41.0	184	37.5	-4	49.3	173	16.7	-8	51.7
18	40	231	51.9	10	45.6	221	21.1	7	12.5	210	53.7	3	20.0	200											

			27 Dec				28 Dec				29 Dec				30 Dec				31 Dec				1 Jan																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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0	0	255	30.4	-9	46.9	243	17.3	-13	25.2	230	12.8	-16	26.8	216	16.1	-18	34.1	201	36.5	-19	30.6	186	34.1	-19	5.1	20	260	20.5	-9	50.1	248	6.8	-13	28.0	235	1.5	-16	29.0	221	4.1	-18	35.4	206	24.0	-19	30.8	191	21.5	-19	4.2	1.0	40	265	10.6	-9	53.3	252	56.2	-13	30.8	239	50.3	-16	31.1	225	52.1	-18	36.7	211	11.6	-19	31.0	196	8.9	-19	3.2		1	0	270	0.8	-9	56.5	257	45.7	-13	33.6	244	39.0	-16	33.3	230	40.2	-18	38.0	215	59.1	-19	31.2	200	56.4	-19	2.2	20	274	50.9	-9	59.7	262	35.1	-13	36.4	249	27.7	-16	35.4	235	28.2	-18	39.2	220	46.7	-19	31.4	205	43.8	-19	1.2	1.0	40	279	41.0	-10	2.9	267	24.5	-13	39.2	254	16.4	-16	37.6	240	16.2	-18	40.5	225	34.3	-19	31.5	210	31.2	-19	0.2		2	0	284	31.1	-10	6.1	272	13.9	-13	42.0	259	5.0	-16	39.7	245	4.2	-18	41.7	230	21.8	-19	31.7	215	18.7	-18	59.2	20	289	21.2	-10	9.3	277	3.4	-13	44.7	263	53.7	-16	41.8	249	52.2	-18	42.9	235	9.3	-19	31.8	220	6.1	-18	58.1	1.1	40	294	11.2	-10	12.4	281	52.7	-13	47.5	268	42.4	-16	43.9	254	40.2	-18	44.1	239	56.9	-19	31.9	224	53.5	-18	57.1		3	0	299	1.3	-10	15.6	286	42.1	-13	50.2	273	31.0	-16	46.0	259	28.1	-18	45.3	244	44.4	-19	32.0	229	41.0	-18	56.0	20	303	51.4	-10	18.8	291	31.5	-13	53.0	278	19.6	-16	48.1	264	16.1	-18	46.5	249	31.9	-19	32.1	234	28.4	-18	54.9	1.1	40	308	41.4	-10	22.0	296	20.9	-13	55.7	283	8.3	-16	50.2	269	4.1	-18	47.7	254	19.5	-19	32.1	239	15.8	-18	53.8		4	0	313	31.5	-10	25.1	301	10.2	-13	58.5	287	56.9	-16	52.2	273	52.0	-18	48.8	259	7.0	-19	32.2	244	3.3	-18	52.7	20	318	21.5	-10	28.3	305	59.6	-14	1.2	292	45.5	-16	54.3	278	40.0	-18	50.0	263	54.5	-19	32.2	248	50.7	-18	51.5	1.2	40	323	11.5	-10	31.4	310	48.9	-14	3.9	297	34.1	-16	56.3	283	27.9	-18	51.1	268	42.0	-19	32.2	253	38.2	-18	50.4		5	0	328	1.6	-10	34.6	315	38.2	-14	6.6	302	22.7	-16	58.4	288	15.8	-18	52.2	273	29.5	-19	32.2	258	25.6	-18	49.2	20	332	51.6	-10	37.7	320	27.6	-14	9.3	307	11.2	-17	0.4	293	3.8	-18	53.3	278	17.0	-19	32.2	263	13.1	-18	48.0	1.2	40	337	41.6	-10	40.9	325	16.9	-14	12.0	311	59.8	-17	2.4	297	51.7	-18	54.4	283	45.5	-19	32.2	268	0.5	-18	46.8		6	0	342	31.6	-10	44.0	330	6.2	-14	14.7	316	48.4	-17	4.4	302	39.6	-18	55.4	287	52.0	-19	32.1	272	47.9	-18	45.6	20	347	21.6	-10	47.1	334	55.5	-14	17.4	321	36.9	-17	6.4	307	27.5	-18	56.5	292	39.5	-19	32.1	277	35.4	-18	44.3	1.3	40	352	11.5	-10	50.3	339	44.7	-14	20.0	326	25.4	-17	8.3	312	15.4	-18	57.5	297	27.0	-19	32.0	282	22.9	-18	43.1		7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19
1	0	270	0.8	-9	56.5	257	45.7	-13	33.6	244	39.0	-16	33.3	230	40.2	-18	38.0	215	59.1	-19	31.2	200	56.4	-19	2.2	20	274	50.9	-9	59.7	262	35.1	-13	36.4	249	27.7	-16	35.4	235	28.2	-18	39.2	220	46.7	-19	31.4	205	43.8	-19	1.2	1.0	40	279	41.0	-10	2.9	267	24.5	-13	39.2	254	16.4	-16	37.6	240	16.2	-18	40.5	225	34.3	-19	31.5	210	31.2	-19	0.2		2	0	284	31.1	-10	6.1	272	13.9	-13	42.0	259	5.0	-16	39.7	245	4.2	-18	41.7	230	21.8	-19	31.7	215	18.7	-18	59.2	20	289	21.2	-10	9.3	277	3.4	-13	44.7	263	53.7	-16	41.8	249	52.2	-18	42.9	235	9.3	-19	31.8	220	6.1	-18	58.1	1.1	40	294	11.2	-10	12.4	281	52.7	-13	47.5	268	42.4	-16	43.9	254	40.2	-18	44.1	239	56.9	-19	31.9	224	53.5	-18	57.1		3	0	299	1.3	-10	15.6	286	42.1	-13	50.2	273	31.0	-16	46.0	259	28.1	-18	45.3	244	44.4	-19	32.0	229	41.0	-18	56.0	20	303	51.4	-10	18.8	291	31.5	-13	53.0	278	19.6	-16	48.1	264	16.1	-18	46.5	249	31.9	-19	32.1	234	28.4	-18	54.9	1.1	40	308	41.4	-10	22.0	296	20.9	-13	55.7	283	8.3	-16	50.2	269	4.1	-18	47.7	254	19.5	-19	32.1	239	15.8	-18	53.8		4	0	313	31.5	-10	25.1	301	10.2	-13	58.5	287	56.9	-16	52.2	273	52.0	-18	48.8	259	7.0	-19	32.2	244	3.3	-18	52.7	20	318	21.5	-10	28.3	305	59.6	-14	1.2	292	45.5	-16	54.3	278	40.0	-18	50.0	263	54.5	-19	32.2	248	50.7	-18	51.5	1.2	40	323	11.5	-10	31.4	310	48.9	-14	3.9	297	34.1	-16	56.3	283	27.9	-18	51.1	268	42.0	-19	32.2	253	38.2	-18	50.4		5	0	328	1.6	-10	34.6	315	38.2	-14	6.6	302	22.7	-16	58.4	288	15.8	-18	52.2	273	29.5	-19	32.2	258	25.6	-18	49.2	20	332	51.6	-10	37.7	320	27.6	-14	9.3	307	11.2	-17	0.4	293	3.8	-18	53.3	278	17.0	-19	32.2	263	13.1	-18	48.0	1.2	40	337	41.6	-10	40.9	325	16.9	-14	12.0	311	59.8	-17	2.4	297	51.7	-18	54.4	283	45.5	-19	32.2	268	0.5	-18	46.8		6	0	342	31.6	-10	44.0	330	6.2	-14	14.7	316	48.4	-17	4.4	302	39.6	-18	55.4	287	52.0	-19	32.1	272	47.9	-18	45.6	20	347	21.6	-10	47.1	334	55.5	-14	17.4	321	36.9	-17	6.4	307	27.5	-18	56.5	292	39.5	-19	32.1	277	35.4	-18	44.3	1.3	40	352	11.5	-10	50.3	339	44.7	-14	20.0	326	25.4	-17	8.3	312	15.4	-18	57.5	297	27.0	-19	32.0	282	22.9	-18	43.1		7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																														
2	0	284	31.1	-10	6.1	272	13.9	-13	42.0	259	5.0	-16	39.7	245	4.2	-18	41.7	230	21.8	-19	31.7	215	18.7	-18	59.2	20	289	21.2	-10	9.3	277	3.4	-13	44.7	263	53.7	-16	41.8	249	52.2	-18	42.9	235	9.3	-19	31.8	220	6.1	-18	58.1	1.1	40	294	11.2	-10	12.4	281	52.7	-13	47.5	268	42.4	-16	43.9	254	40.2	-18	44.1	239	56.9	-19	31.9	224	53.5	-18	57.1		3	0	299	1.3	-10	15.6	286	42.1	-13	50.2	273	31.0	-16	46.0	259	28.1	-18	45.3	244	44.4	-19	32.0	229	41.0	-18	56.0	20	303	51.4	-10	18.8	291	31.5	-13	53.0	278	19.6	-16	48.1	264	16.1	-18	46.5	249	31.9	-19	32.1	234	28.4	-18	54.9	1.1	40	308	41.4	-10	22.0	296	20.9	-13	55.7	283	8.3	-16	50.2	269	4.1	-18	47.7	254	19.5	-19	32.1	239	15.8	-18	53.8		4	0	313	31.5	-10	25.1	301	10.2	-13	58.5	287	56.9	-16	52.2	273	52.0	-18	48.8	259	7.0	-19	32.2	244	3.3	-18	52.7	20	318	21.5	-10	28.3	305	59.6	-14	1.2	292	45.5	-16	54.3	278	40.0	-18	50.0	263	54.5	-19	32.2	248	50.7	-18	51.5	1.2	40	323	11.5	-10	31.4	310	48.9	-14	3.9	297	34.1	-16	56.3	283	27.9	-18	51.1	268	42.0	-19	32.2	253	38.2	-18	50.4		5	0	328	1.6	-10	34.6	315	38.2	-14	6.6	302	22.7	-16	58.4	288	15.8	-18	52.2	273	29.5	-19	32.2	258	25.6	-18	49.2	20	332	51.6	-10	37.7	320	27.6	-14	9.3	307	11.2	-17	0.4	293	3.8	-18	53.3	278	17.0	-19	32.2	263	13.1	-18	48.0	1.2	40	337	41.6	-10	40.9	325	16.9	-14	12.0	311	59.8	-17	2.4	297	51.7	-18	54.4	283	45.5	-19	32.2	268	0.5	-18	46.8		6	0	342	31.6	-10	44.0	330	6.2	-14	14.7	316	48.4	-17	4.4	302	39.6	-18	55.4	287	52.0	-19	32.1	272	47.9	-18	45.6	20	347	21.6	-10	47.1	334	55.5	-14	17.4	321	36.9	-17	6.4	307	27.5	-18	56.5	292	39.5	-19	32.1	277	35.4	-18	44.3	1.3	40	352	11.5	-10	50.3	339	44.7	-14	20.0	326	25.4	-17	8.3	312	15.4	-18	57.5	297	27.0	-19	32.0	282	22.9	-18	43.1		7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																												
3	0	299	1.3	-10	15.6	286	42.1	-13	50.2	273	31.0	-16	46.0	259	28.1	-18	45.3	244	44.4	-19	32.0	229	41.0	-18	56.0	20	303	51.4	-10	18.8	291	31.5	-13	53.0	278	19.6	-16	48.1	264	16.1	-18	46.5	249	31.9	-19	32.1	234	28.4	-18	54.9	1.1	40	308	41.4	-10	22.0	296	20.9	-13	55.7	283	8.3	-16	50.2	269	4.1	-18	47.7	254	19.5	-19	32.1	239	15.8	-18	53.8		4	0	313	31.5	-10	25.1	301	10.2	-13	58.5	287	56.9	-16	52.2	273	52.0	-18	48.8	259	7.0	-19	32.2	244	3.3	-18	52.7	20	318	21.5	-10	28.3	305	59.6	-14	1.2	292	45.5	-16	54.3	278	40.0	-18	50.0	263	54.5	-19	32.2	248	50.7	-18	51.5	1.2	40	323	11.5	-10	31.4	310	48.9	-14	3.9	297	34.1	-16	56.3	283	27.9	-18	51.1	268	42.0	-19	32.2	253	38.2	-18	50.4		5	0	328	1.6	-10	34.6	315	38.2	-14	6.6	302	22.7	-16	58.4	288	15.8	-18	52.2	273	29.5	-19	32.2	258	25.6	-18	49.2	20	332	51.6	-10	37.7	320	27.6	-14	9.3	307	11.2	-17	0.4	293	3.8	-18	53.3	278	17.0	-19	32.2	263	13.1	-18	48.0	1.2	40	337	41.6	-10	40.9	325	16.9	-14	12.0	311	59.8	-17	2.4	297	51.7	-18	54.4	283	45.5	-19	32.2	268	0.5	-18	46.8		6	0	342	31.6	-10	44.0	330	6.2	-14	14.7	316	48.4	-17	4.4	302	39.6	-18	55.4	287	52.0	-19	32.1	272	47.9	-18	45.6	20	347	21.6	-10	47.1	334	55.5	-14	17.4	321	36.9	-17	6.4	307	27.5	-18	56.5	292	39.5	-19	32.1	277	35.4	-18	44.3	1.3	40	352	11.5	-10	50.3	339	44.7	-14	20.0	326	25.4	-17	8.3	312	15.4	-18	57.5	297	27.0	-19	32.0	282	22.9	-18	43.1		7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																										
4	0	313	31.5	-10	25.1	301	10.2	-13	58.5	287	56.9	-16	52.2	273	52.0	-18	48.8	259	7.0	-19	32.2	244	3.3	-18	52.7	20	318	21.5	-10	28.3	305	59.6	-14	1.2	292	45.5	-16	54.3	278	40.0	-18	50.0	263	54.5	-19	32.2	248	50.7	-18	51.5	1.2	40	323	11.5	-10	31.4	310	48.9	-14	3.9	297	34.1	-16	56.3	283	27.9	-18	51.1	268	42.0	-19	32.2	253	38.2	-18	50.4		5	0	328	1.6	-10	34.6	315	38.2	-14	6.6	302	22.7	-16	58.4	288	15.8	-18	52.2	273	29.5	-19	32.2	258	25.6	-18	49.2	20	332	51.6	-10	37.7	320	27.6	-14	9.3	307	11.2	-17	0.4	293	3.8	-18	53.3	278	17.0	-19	32.2	263	13.1	-18	48.0	1.2	40	337	41.6	-10	40.9	325	16.9	-14	12.0	311	59.8	-17	2.4	297	51.7	-18	54.4	283	45.5	-19	32.2	268	0.5	-18	46.8		6	0	342	31.6	-10	44.0	330	6.2	-14	14.7	316	48.4	-17	4.4	302	39.6	-18	55.4	287	52.0	-19	32.1	272	47.9	-18	45.6	20	347	21.6	-10	47.1	334	55.5	-14	17.4	321	36.9	-17	6.4	307	27.5	-18	56.5	292	39.5	-19	32.1	277	35.4	-18	44.3	1.3	40	352	11.5	-10	50.3	339	44.7	-14	20.0	326	25.4	-17	8.3	312	15.4	-18	57.5	297	27.0	-19	32.0	282	22.9	-18	43.1		7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																								
5	0	328	1.6	-10	34.6	315	38.2	-14	6.6	302	22.7	-16	58.4	288	15.8	-18	52.2	273	29.5	-19	32.2	258	25.6	-18	49.2	20	332	51.6	-10	37.7	320	27.6	-14	9.3	307	11.2	-17	0.4	293	3.8	-18	53.3	278	17.0	-19	32.2	263	13.1	-18	48.0	1.2	40	337	41.6	-10	40.9	325	16.9	-14	12.0	311	59.8	-17	2.4	297	51.7	-18	54.4	283	45.5	-19	32.2	268	0.5	-18	46.8		6	0	342	31.6	-10	44.0	330	6.2	-14	14.7	316	48.4	-17	4.4	302	39.6	-18	55.4	287	52.0	-19	32.1	272	47.9	-18	45.6	20	347	21.6	-10	47.1	334	55.5	-14	17.4	321	36.9	-17	6.4	307	27.5	-18	56.5	292	39.5	-19	32.1	277	35.4	-18	44.3	1.3	40	352	11.5	-10	50.3	339	44.7	-14	20.0	326	25.4	-17	8.3	312	15.4	-18	57.5	297	27.0	-19	32.0	282	22.9	-18	43.1		7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																						
6	0	342	31.6	-10	44.0	330	6.2	-14	14.7	316	48.4	-17	4.4	302	39.6	-18	55.4	287	52.0	-19	32.1	272	47.9	-18	45.6	20	347	21.6	-10	47.1	334	55.5	-14	17.4	321	36.9	-17	6.4	307	27.5	-18	56.5	292	39.5	-19	32.1	277	35.4	-18	44.3	1.3	40	352	11.5	-10	50.3	339	44.7	-14	20.0	326	25.4	-17	8.3	312	15.4	-18	57.5	297	27.0	-19	32.0	282	22.9	-18	43.1		7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
7	0	357	1.5	-10	53.4	344	34.0	-14	22.7	331	14.0	-17	10.3	317	3.2	-18	58.5	302	14.5	-19	31.9	287	10.3	-18	41.8	20	1	51.4	-10	56.5	349	23.2	-14	25.4	336	2.5	-17	12.3	321	51.1	-18	59.5	307	2.0	-19	31.8	291	57.8	-18	40.5	1.3	40	6	41.4	-10	59.6	354	12.5	-14	28.0	340	51.0	-17	14.2	326	39.0	-19	0.5	311	49.5	-19	31.6	296	45.2	-18	39.2		8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
8	0	11	31.3	-11	2.7	359	1.7	-14	30.6	345	39.5	-17	16.1	331	26.8	-19	1.5	316	37.0	-19	31.5	301	32.7	-18	37.9	20	16	21.3	-11	5.8	3	51.0	-14	33.3	350	28.0	-17	18.0	336	14.7	-19	2.5	321	24.4	-19	31.3	306	20.2	-18	36.6	1.3	40	21	11.2	-11	8.9	8	40.2	-14	35.9	355	16.4	-17	19.9	341	2.5	-19	3.4	326	11.9	-19	31.1	311	7.6	-18	35.2		9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
9	0	26	1.1	-11	12.0	13	29.4	-14	38.5	0	4.9	-17	21.8	345	50.4	-19	4.4	330	59.4	-19	30.9	315	55.1	-18	33.9	20	30	51.0	-11	15.1	18	18.6	-14	41.1	4	53.4	-17	23.7	350	38.2	-19	5.3	335	46.9	-19	30.7	320	42.6	-18	32.5	1.4	40	35	40.9	-11	18.2	23	7.7	-14	43.7	9	41.8	-17	25.6	355	26.0	-19	6.2	340	34.3	-19	30.5	325	30.0	-18	31.1		10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
10	0	40	30.8	-11	21.2	27	56.9	-14	46.3	14	30.2	-17	27.4	0	13.8	-19	7.1	345	21.8	-19	30.2	330	17.5	-18	29.7	20	45	20.6	-11	24.3	32	46.1	-14	48.9	19	18.7	-17	29.3	5	1.6	-19	7.9	350	9.3	-19	30.0	335	5.0	-18	28.2	1.5	40	50	10.5	-11	27.4	37	35.2	-14	51.4	24	7.1	-17	31.1	9	49.5	-19	8.8	354	56.7	-19	29.7	339	52.5	-18	26.8		11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
11	0	55	0.4	-11	30.4	42	24.4	-14	54.0	28	55.5	-17	32.9	14	37.2	-19	9.6	359	44.2	-19	29.4	344	40.0	-18	25.3	20	59	50.2	-11	33.5	47	13.5	-14	56.6	33	43.9	-17	34.7	19	25.0	-19	10.5	4	31.6	-19	29.1	349	27.4	-18	23.9	1.5	40	64	40.0	-11	36.5	52	2.6	-14	59.1	38	32.3	-17	36.5	24	12.8	-19	11.3	9	19.1	-19	28.8	354	14.9	-18	22.4	1.5	12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
12	0	69	29.9	-11	39.6	56	51.7	-15	1.6	43	20.7	-17	38.3	29	0.6	-19	12.1	14	6.5	-19	28.4	359	2.4	-18	20.9	20	74	19.7	-11	42.6	61	40.8	-15	4.2	48	9.0	-17	40.1	33	48.4	-19	12.9	18	54.0	-19	28.1	3	49.9	-18	19.3	1.5	40	79	9.5	-11	45.7	66	29.9	-15	6.7	52	57.4	-17	41.9	38	36.1	-19	13.6	23	41.4	-19	27.7	8	37.4	-18	17.8		13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
13	0	83	59.3	-11	48.7	71	19.0	-15	9.2	57	45.7	-17	43.6	43	23.9	-19	14.4	28	28.9	-19	27.3	13	24.9	-18	16.3	20	88	49.1	-11	51.7	76	8.1	-15	11.7	62	34.1	-17	45.3	48	11.6	-19	15.1	33	16.3	-19	26.9	18	12.4	-18	14.7	1.6	40	93	38.9	-11	54.7	80	57.1	-15	14.2	67	22.4	-17	47.1	52	59.4	-19	15.8	38	3.8	-19	26.5	22	60.0	-18	13.1		14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
14	0	98	28.6	-11	57.7	85	46.2	-15	16.7	72	10.7	-17	48.8	57	47.1	-19	16.6	42	51.2	-19	26.0	27	47.5	-18	11.5	20	103	18.4	-12	0.7	90	35.2	-15	19.1	76	59.0	-17	50.5	62	34.8	-19	17.2	47	38.7	-19	25.6	32	35.0	-18	9.9	1.6	40	108	8.2	-12	3.7	95	24.2	-15	21.6	81	47.3	-17	52.2	67	22.6	-19	17.9	52	26.1	-19	25.1	37	22.5	-18	8.3		15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
15	0	112	57.9	-12	6.7	100	13.3	-15	24.1	86	35.6	-17	53.8	72	10.3	-19	18.6	57	13.5	-19	24.6	42	10.0	-18	6.6	20	117	47.6	-12	9.7	105	2.3	-15	26.5	91	23.9	-17	55.5	76	58.0	-19	19.2	62	1.0	-19	24.1	46	57.6	-18	5.0	1.7	40	122	37.4	-12	12.7	109	51.3	-15	29.0	96	12.2	-17	57.1	81	45.7	-19	19.9	66	48.4	-19	23.6	51	45.1	-18	3.3		16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
16	0	127	27.1	-12	15.7	114	40.3	-15	31.4	101	0.5	-17	58.8	86	33.4	-19	20.5	71	35.8	-19	23.0	56	32.6	-18	1.6	20	132	16.8	-12	18.6	119	29.2	-15	33.8	105	48.7	-18	0.4	91	21.1	-19	21.1	76	23.3	-19	22.5	61	20.2	-17	59.9	1.7	40	137	6.5	-12	21.6	124	18.2	-15	36.2	110	37.0	-18	2.0	96	8.8	-19	21.7	81	10.7	-19	21.9	66	7.7	-17	58.2		17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
17	0	141	56.2	-12	24.6	129	7.2	-15	38.6	115	25.2	-18	3.6	100	56.4	-19	22.2	85	58.1	-19	21.3	70	55.3	-17	56.5	20	146	45.8	-12	27.5	133	56.1	-15	41.0	120	13.4	-18	5.2	105	44.1	-19	22.8	90	45.6	-19	20.7	75	42.8	-17	54.7	1.8	40	151	35.5	-12	30.5	138	45.0	-15	43.4	125	1.6	-18	6.8	110	31.8	-19	23.3	95	33.0	-19	20.1	80	30.4	-17	52.9		18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
18	0	156	25.2	-12	33.4	143	34.0	-15	45.8	129	49.8	-18	8.3	115	19.4	-19	23.8	100	20.4	-19	19.4	85	17.9	-17	51.2	20	161	14.8	-12	36.3	148	22.9	-15	48.1	134	38.0	-18	9.9	120	7.1	-19	24.4	105	7.8	-19	18.8	90	5.5	-17	49.4	1.8	40	166	4.4	-12	39.3	153	11.8	-15	50.5	139	26.2	-18	11.4	124	54.8	-19	24.8	109	55.3	-19	18.1	94	53.1	-17	47.6		19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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