

## Moon GHA Increments

UT mins	d'														
	286.0	286.1	286.2	286.3	286.4	286.5	286.6	286.7	286.8	286.9	287.0	287.1	287.2	287.3	287.4
1	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.4
2	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
3	42.9	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1
4	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.5	57.5
5	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.9
6	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.2
7	100.1	100.1	100.2	100.2	100.2	100.3	100.3	100.3	100.4	100.4	100.5	100.5	100.5	100.6	100.6
8	114.4	114.4	114.5	114.5	114.6	114.6	114.6	114.7	114.7	114.8	114.8	114.8	114.9	114.9	115.0
9	128.7	128.7	128.8	128.8	128.9	128.9	129.0	129.0	129.1	129.1	129.2	129.2	129.2	129.3	129.3
10	143.0	143.1	143.1	143.2	143.2	143.3	143.3	143.4	143.4	143.5	143.5	143.6	143.6	143.7	143.7
11	157.3	157.4	157.4	157.5	157.5	157.6	157.6	157.7	157.7	157.8	157.9	157.9	158.0	158.0	158.1
12	171.6	171.7	171.7	171.8	171.8	171.9	172.0	172.0	172.1	172.1	172.2	172.3	172.3	172.4	172.4
13	185.9	186.0	186.0	186.1	186.2	186.2	186.3	186.4	186.4	186.5	186.6	186.6	186.7	186.7	186.8
14	200.2	200.3	200.3	200.4	200.5	200.6	200.6	200.7	200.8	200.8	200.9	201.0	201.0	201.1	201.2
15	214.5	214.6	214.7	214.7	214.8	214.9	215.0	215.0	215.1	215.2	215.3	215.3	215.4	215.5	215.6
16	228.8	228.9	229.0	229.0	229.1	229.2	229.3	229.4	229.4	229.5	229.6	229.7	229.8	229.8	229.9
17	243.1	243.2	243.3	243.4	243.4	243.5	243.6	243.7	243.8	243.9	244.0	244.0	244.1	244.2	244.3
18	257.4	257.5	257.6	257.7	257.8	257.9	257.9	258.0	258.1	258.2	258.3	258.4	258.5	258.6	258.7
19	271.7	271.8	271.9	272.0	272.1	272.2	272.3	272.4	272.5	272.6	272.7	272.7	272.8	272.9	273.0

UT mins	d'														
	287.5	287.6	287.7	287.8	287.9	288.0	288.1	288.2	288.3	288.4	288.5	288.6	288.7	288.8	288.9
1	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
2	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	28.9	28.9	28.9	28.9
3	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3
4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8
5	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
6	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.7
7	100.6	100.7	100.7	100.7	100.8	100.8	100.8	100.9	100.9	100.9	101.0	101.0	101.0	101.1	101.1
8	115.0	115.0	115.1	115.1	115.2	115.2	115.2	115.3	115.3	115.4	115.4	115.4	115.5	115.5	115.6
9	129.4	129.4	129.5	129.5	129.6	129.6	129.6	129.7	129.7	129.8	129.8	129.9	129.9	130.0	130.0
10	143.8	143.8	143.9	143.9	144.0	144.0	144.1	144.1	144.2	144.2	144.3	144.3	144.4	144.4	144.5
11	158.1	158.2	158.2	158.3	158.3	158.4	158.5	158.5	158.6	158.6	158.7	158.7	158.8	158.8	158.9
12	172.5	172.6	172.6	172.7	172.7	172.8	172.9	172.9	173.0	173.0	173.1	173.2	173.2	173.3	173.3
13	186.9	186.9	187.0	187.1	187.1	187.2	187.3	187.3	187.4	187.5	187.5	187.6	187.7	187.7	187.8
14	201.3	201.3	201.4	201.5	201.5	201.6	201.7	201.7	201.8	201.9	202.0	202.0	202.1	202.2	202.2
15	215.6	215.7	215.8	215.9	215.9	216.0	216.1	216.2	216.2	216.3	216.4	216.5	216.5	216.6	216.7
16	230.0	230.1	230.2	230.2	230.3	230.4	230.5	230.6	230.6	230.7	230.8	230.9	231.0	231.0	231.1
17	244.4	244.5	244.5	244.6	244.7	244.8	244.9	245.0	245.1	245.1	245.2	245.3	245.4	245.5	245.6
18	258.8	258.8	258.9	259.0	259.1	259.2	259.3	259.4	259.5	259.6	259.7	259.7	259.8	259.9	260.0
19	273.1	273.2	273.3	273.4	273.5	273.6	273.7	273.8	273.9	274.0	274.1	274.2	274.3	274.4	274.5

UT mins	d'														
	289.0	289.1	289.2	289.3	289.4	289.5	289.6	289.7	289.8	289.9	290.0	290.1	290.2	290.3	290.4
1	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
2	28.9	28.9	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6
4	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.1	58.1
5	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.6	72.6	72.6
6	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1
7	101.2	101.2	101.2	101.3	101.3	101.3	101.4	101.4	101.4	101.5	101.5	101.5	101.6	101.6	101.6
8	115.6	115.6	115.7	115.7	115.8	115.8	115.8	115.9	115.9	116.0	116.0	116.0	116.1	116.1	116.2
9	130.1	130.1	130.1	130.2	130.2	130.3	130.3	130.4	130.4	130.5	130.5	130.5	130.6	130.6	130.7
10	144.5	144.6	144.6	144.7	144.7	144.8	144.8	144.9	144.9	145.0	145.0	145.1	145.1	145.2	145.2
11	159.0	159.0	159.1	159.1	159.2	159.2	159.3	159.3	159.4	159.4	159.5	159.6	159.6	159.7	159.7
12	173.4	173.5	173.5	173.6	173.6	173.7	173.8	173.8	173.9	173.9	174.0	174.1	174.1	174.2	174.2
13	187.9	187.9	188.0	188.0	188.1	188.2	188.2	188.3	188.4	188.4	188.5	188.6	188.6	188.7	188.8
14	202.3	202.4	202.4	202.5	202.6	202.7	202.7	202.8	202.9	202.9	203.0	203.1	203.1	203.2	203.3
15	216.8	216.8	216.9	217.0	217.1	217.1	217.2	217.3	217.4	217.4	217.5	217.6	217.7	217.7	217.8
16	231.2	231.3	231.4	231.4	231.5	231.6	231.7	231.8	231.8	231.9	232.0	232.1	232.2	232.2	232.3
17	245.7	245.7	245.8	245.9	246.0	246.1	246.2	246.2	246.3	246.4	246.5	246.6	246.7	246.8	246.8
18	260.1	260.2	260.3	260.4	260.5	260.6	260.6	260.7	260.8	260.9	261.0	261.1	261.2	261.3	261.4
19	274.6	274.6	274.7	274.8	274.9	275.0	275.1	275.2	275.3	275.4	275.5	275.6	275.7	275.8	275.9

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UT mins	d'															
	290.5	290.6	290.7	290.8	290.9	291.0	291.1	291.2	291.3	291.4	291.5	291.6	291.7	291.8	291.9	
1	14.5	14.5	14.5	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	
2	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.2	
3	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8	
4	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4	
5	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	73.0	73.0	
6	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.6	
7	101.7	101.7	101.7	101.8	101.8	101.9	101.9	101.9	102.0	102.0	102.0	102.1	102.1	102.1	102.2	
8	116.2	116.2	116.3	116.3	116.4	116.4	116.4	116.5	116.5	116.6	116.6	116.6	116.7	116.7	116.8	
9	130.7	130.8	130.8	130.9	130.9	131.0	131.0	131.0	131.1	131.1	131.2	131.2	131.3	131.3	131.4	
10	145.3	145.3	145.4	145.4	145.5	145.5	145.6	145.6	145.7	145.7	145.8	145.8	145.9	145.9	146.0	
11	159.8	159.8	159.9	159.9	160.0	160.1	160.1	160.2	160.2	160.3	160.3	160.4	160.4	160.5	160.5	
12	174.3	174.4	174.4	174.5	174.5	174.6	174.7	174.7	174.8	174.8	174.9	175.0	175.0	175.1	175.1	
13	188.8	188.9	189.0	189.0	189.1	189.2	189.2	189.3	189.3	189.4	189.5	189.5	189.6	189.7	189.7	
14	203.4	203.4	203.5	203.6	203.6	203.7	203.8	203.8	203.9	204.0	204.1	204.1	204.2	204.3	204.3	
15	217.9	218.0	218.0	218.1	218.2	218.3	218.3	218.4	218.5	218.6	218.6	218.7	218.8	218.9	218.9	
16	232.4	232.5	232.6	232.6	232.7	232.8	232.9	233.0	233.0	233.1	233.2	233.3	233.4	233.4	233.5	
17	246.9	247.0	247.1	247.2	247.3	247.4	247.4	247.5	247.6	247.7	247.8	247.9	247.9	248.0	248.1	
18	261.5	261.5	261.6	261.7	261.8	261.9	262.0	262.1	262.2	262.3	262.4	262.4	262.5	262.6	262.7	
19	276.0	276.1	276.2	276.3	276.4	276.5	276.5	276.6	276.7	276.8	276.9	277.0	277.1	277.2	277.3	

UT mins	d'															
	292.0	292.1	292.2	292.3	292.4	292.5	292.6	292.7	292.8	292.9	293.0	293.1	293.2	293.3	293.4	
1	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7	
2	29.2	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	
3	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	
4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7	
5	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.4	
6	87.6	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.0	
7	102.2	102.2	102.3	102.3	102.3	102.4	102.4	102.4	102.5	102.5	102.6	102.6	102.6	102.7	102.7	
8	116.8	116.8	116.9	116.9	117.0	117.0	117.0	117.1	117.1	117.2	117.2	117.3	117.3	117.4	117.4	
9	131.4	131.4	131.5	131.5	131.6	131.6	131.7	131.7	131.8	131.8	131.9	131.9	131.9	132.0	132.0	
10	146.0	146.1	146.1	146.2	146.2	146.3	146.3	146.4	146.4	146.5	146.5	146.6	146.6	146.7	146.7	
11	160.6	160.7	160.7	160.8	160.8	160.9	160.9	161.0	161.0	161.1	161.2	161.2	161.3	161.3	161.4	
12	175.2	175.3	175.3	175.4	175.4	175.5	175.6	175.6	175.7	175.7	175.8	175.9	175.9	176.0	176.0	
13	189.8	189.9	189.9	190.0	190.1	190.1	190.2	190.3	190.3	190.4	190.5	190.5	190.6	190.6	190.7	
14	204.4	204.5	204.5	204.6	204.7	204.8	204.8	204.9	205.0	205.0	205.1	205.2	205.2	205.3	205.4	
15	219.0	219.1	219.2	219.2	219.3	219.4	219.5	219.5	219.6	219.7	219.8	219.8	219.9	220.0	220.1	
16	233.6	233.7	233.8	233.8	233.9	234.0	234.1	234.2	234.2	234.3	234.4	234.5	234.6	234.6	234.7	
17	248.2	248.3	248.4	248.5	248.5	248.6	248.7	248.8	248.9	249.0	249.1	249.1	249.2	249.3	249.4	
18	262.8	262.9	263.0	263.1	263.2	263.3	263.3	263.4	263.5	263.6	263.7	263.8	263.9	264.0	264.1	
19	277.4	277.5	277.6	277.7	277.8	277.9	278.0	278.1	278.2	278.3	278.4	278.4	278.5	278.6	278.7	

UT secs	d'		
	286.0	289.0	292.0
1	0.2	0.2	0.2
2	0.5	0.5	0.5
3	0.7	0.7	0.7
4	1.0	1.0	1.0
5	1.2	1.2	1.2
6	1.4	1.4	1.5
7	1.7	1.7	1.7
8	1.9	1.9	1.9
9	2.1	2.2	2.2
10	2.4	2.4	2.4
11	2.6	2.6	2.7
12	2.9	2.9	2.9
13	3.1	3.1	3.2
14	3.3	3.4	3.4
15	3.6	3.6	3.7
16	3.8	3.9	3.9
17	4.1	4.1	4.1
18	4.3	4.3	4.4
19	4.5	4.6	4.6
20	4.8	4.8	4.9

UT secs	d'		
	286.0	289.0	292.0
21	5.0	5.1	5.1
22	5.2	5.3	5.4
23	5.5	5.5	5.6
24	5.7	5.8	5.8
25	6.0	6.0	6.1
26	6.2	6.3	6.3
27	6.4	6.5	6.6
28	6.7	6.7	6.8
29	6.9	7.0	7.1
30	7.2	7.2	7.3
31	7.4	7.5	7.5
32	7.6	7.7	7.8
33	7.9	7.9	8.0
34	8.1	8.2	8.3
35	8.3	8.4	8.5
36	8.6	8.7	8.8
37	8.8	8.9	9.0
38	9.1	9.2	9.2
39	9.3	9.4	9.5
40	9.5	9.6	9.7

UT secs	d'		
	286.0	289.0	292.0
41	9.8	9.9	10.0
42	10.0	10.1	10.2
43	10.2	10.4	10.5
44	10.5	10.6	10.7
45	10.7	10.8	11.0
46	11.0	11.1	11.2
47	11.2	11.3	11.4
48	11.4	11.6	11.7
49	11.7	11.8	11.9
50	11.9	12.0	12.2
51	12.2	12.3	12.4
52	12.4	12.5	12.7
53	12.6	12.8	12.9
54	12.9	13.0	13.1
55	13.1	13.2	13.4
56	13.3	13.5	13.6
57	13.6	13.7	13.9
58	13.8	14.0	14.1
59	14.1	14.2	14.4
60	14.3	14.5	14.6