

Sun and Planets Increments

UT hrs	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
3	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
4	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
5	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
6	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
7	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6
8	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7
9	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8
10	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8
11	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9
12	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
13	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
14	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2
15	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3
16	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3
17	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4
18	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5
19	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6
20	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7
21	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
22	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.7	1.8
23	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
24	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0

UT hrs	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
5	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
6	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
7	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2
8	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3
9	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5
10	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.7
11	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7	1.8	1.8
12	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0
13	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2
14	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3
15	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5
16	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.7
17	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.8
18	1.6	1.7	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	2.9	3.0
19	1.7	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2
20	1.8	1.8	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.3
21	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5
22	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
23	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8
24	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0

UT hrs	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
4	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
5	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3
6	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5
7	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8
8	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
9	1.5	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
10	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5
11	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8
12	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0
13	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.3
14	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5
15	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.8
16	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.9	3.9	4.0
17	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.2	4.3
18	3.1	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.4	4.5
19	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.4	4.4	4.5	4.6	4.7	4.8
20	3.4	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.6	4.7	4.8	4.8		

Sun and Planets Increments

UT hrs	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0
4	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
5	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.7
6	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0
7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3
8	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7
9	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0
10	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3
11	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7
12	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.9	3.9	4.0
13	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3
14	3.6	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.7
15	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.9	4.9	5.0
16	4.1	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.3	5.3
17	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.5	5.6	5.7
18	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	6.0
19	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.3	6.3
20	5.1	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.5	6.6	6.7
21	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9	7.0
22	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3
23	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7
24	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0

UT hrs	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
1	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
2	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
3	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
5	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.1	2.1
6	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5
7	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9
8	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3
9	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7
10	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.2
11	3.7	3.8	3.8	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6
12	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0
13	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.4
14	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8
15	5.1	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2
16	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.4	6.5	6.5	6.6	6.7
17	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7	6.8	6.9	6.9	7.0	7.1
18	6.1	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.3	7.4	7.5
19	6.4	6.5	6.6	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.8	7.8	7.9
20	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.3
21	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7
22	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
23	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6
24	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0

UT hrs	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0
1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
4	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
5	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
6	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0
7	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.5	3.5
8	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	4.0	4.0
9	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.5	4.5
10	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.0
11	4.6	4.7	4.7	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5
12	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.9	5.9	6.0
13	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.5
14	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.8	6.8	6.9	6.9	7.0
15	6.3	6.4	6.4	6.5	6.6	6.6	6.7	6.7	6.8	6.9	6.9	7.0	7.1	7.1	7.2	7.2	7.3	7.4	7.4	7.5
16	6.7	6.8	6.9	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0
17	7.2	7.2	7.3	7.4	7.4	7.5	7.6	7.6	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.3	8.4	8.4	8.5
18	7.6	7.6	7.7	7.8	7.9	7.9	8.0	8.1	8.2	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.8	8.9	9.0
19	8.0	8.1	8.2	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.8	8.9	8.9	9.0	9.1	9.2	9.3	9.3	9.4	9.5
20	8.4	8.5	8.6	8.7	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.4	9.5	9.6	9.				

Sun and Planets Increments

UT hrs	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0
1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
2	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
3	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
4	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3
5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9
6	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.5	3.5
7	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.1	4.1
8	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7
9	4.5	4.6	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2
10	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.8
11	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.4
12	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.9	6.9	7.0
13	6.6	6.6	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6
14	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.2
15	7.6	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.7
16	8.1	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.1	9.1	9.2	9.3	9.3
17	8.6	8.6	8.7	8.8	8.9	8.9	9.0	9.1	9.1	9.2	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.9
18	9.1	9.1	9.2	9.3	9.4	9.4	9.5	9.6	9.7	9.7	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.4	10.4	10.5
19	9.6	9.7	9.7	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.4	10.5	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.1
20	10.1	10.2	10.3	10.3	10.4	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.1	11.2	11.3	11.3	11.4	11.5	11.6	11.7
21	10.6	10.7	10.8	10.9	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3
22	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8
23	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4
24	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0

UT hrs	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0
1	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0
4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7
5	2.9	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3
6	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0
7	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.7
8	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3
9	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.8	5.8	5.9	5.9	6.0	6.0
10	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.7
11	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.3	7.3
12	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0
13	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.5	8.6	8.6	8.7
14	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.3
15	8.8	8.9	8.9	9.0	9.1	9.1	9.2	9.2	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.9	9.9	10.0
16	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.7
17	10.0	10.1	10.1	10.2	10.3	10.3	10.4	10.5	10.6	10.6	10.7	10.8	10.8	10.9	11.0	11.1	11.1	11.2	11.3	11.3
18	10.6	10.7	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.3	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.9	11.9	12.0
19	11.2	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.9	12.0	12.0	12.1	12.2	12.3	12.4	12.4	12.5	12.6	12.7
20	11.8	11.8	11.9	12.0	12.1	12.2	12.3	12.3	12.4	12.5	12.6	12.7	12.8	12.8	12.9	13.0	13.1	13.2	13.3	13.3
21	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.7	13.8	13.9	14.0
22	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7
23	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.0	15.1	15.2	15.3
24	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0

UT hrs	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0
1	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
3	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3
4	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0
5	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.8
6	4.0	4.0	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5
7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.3
8	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0
9	6.0	6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.8
10	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5
11	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.2
12	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.9	8.9	9.0
13	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6	9.7	9.7
14	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.9	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.4	10.4	10.5
15	10.1	10.1	10.2	10.3	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.8	10.8	10.9	10.9	11.0	11.1	11.1	11.2	11.3
16	10.7	10.8	10.9	10.9	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.5	11.5	11.6	11.7	11.7	11.8	11.9	11.9	12.0
17	11.4	11.5	11.5	11.6	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.2	12.3	12.3	12.4	12.5	12.5	12.6	12.7	12.8
18	12.1																			

Sun and Planets Increments

UT hrs	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0
1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7
3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5
4	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3
5	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.2
6	4.5	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	5.0	5.0	5.0
7	5.3	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8	5.8	5.8
8	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.7
9	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5
10	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.3
11	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1	9.2
12	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9	9.9	10.0	10.0
13	9.8	9.9	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.6	10.7	10.7	10.8	10.8
14	10.6	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.4	11.5	11.6	11.6	11.7
15	11.3	11.4	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4	12.5
16	12.1	12.1	12.2	12.3	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.9	12.9	13.0	13.1	13.1	13.2	13.3	13.3
17	12.8	12.9	13.0	13.0	13.1	13.2	13.2	13.3	13.4	13.5	13.5	13.6	13.7	13.7	13.8	13.9	14.0	14.0	14.1	14.2
18	13.6	13.7	13.7	13.8	13.9	14.0	14.0	14.1	14.2	14.3	14.3	14.4	14.5	14.6	14.6	14.7	14.8	14.9	14.9	15.0
19	14.3	14.4	14.5	14.6	14.6	14.7	14.8	14.9	15.0	15.0	15.1	15.2	15.3	15.4	15.4	15.5	15.6	15.7	15.8	15.8
20	15.1	15.2	15.3	15.3	15.4	15.5	15.6	15.7	15.8	15.8	15.9	16.0	16.1	16.2	16.3	16.3	16.4	16.5	16.6	16.7
21	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.2	17.3	17.4	17.5
22	16.6	16.7	16.8	16.9	17.0	17.1	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.2	18.3
23	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2
24	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0

UT hrs	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0
1	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
3	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8
4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7
5	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.6	4.6
6	5.0	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.5	5.5	5.5
7	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
8	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.3
9	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.3
10	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8	8.8	8.9	8.9	9.0	9.0	9.0	9.1	9.1	9.2
11	9.2	9.3	9.3	9.4	9.4	9.4	9.5	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.9	9.9	9.9	10.0	10.0	10.1
12	10.1	10.1	10.2	10.2	10.3	10.3	10.4	10.4	10.5	10.5	10.6	10.6	10.7	10.7	10.8	10.8	10.9	10.9	11.0	11.0
13	10.9	10.9	11.0	11.1	11.1	11.2	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9
14	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.8
15	12.6	12.6	12.7	12.8	12.8	12.9	12.9	13.0	13.1	13.1	13.2	13.3	13.3	13.4	13.4	13.5	13.6	13.6	13.7	13.8
16	13.4	13.5	13.5	13.6	13.7	13.7	13.8	13.9	13.9	14.0	14.1	14.1	14.2	14.3	14.3	14.4	14.5	14.5	14.6	14.7
17	14.2	14.3	14.4	14.5	14.5	14.6	14.7	14.7	14.8	14.9	14.9	15.0	15.1	15.2	15.2	15.3	15.4	15.4	15.5	15.6
18	15.1	15.2	15.2	15.3	15.4	15.5	15.5	15.6	15.7	15.8	15.8	15.9	16.0	16.1	16.1	16.2	16.3	16.4	16.4	16.5
19	15.9	16.0	16.1	16.2	16.2	16.3	16.4	16.5	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.2	17.3	17.3	17.4
20	16.8	16.8	16.9	17.0	17.1	17.2	17.3	17.3	17.4	17.5	17.6	17.7	17.8	17.8	17.9	18.0	18.1	18.2	18.3	18.3
21	17.6	17.7	17.8	17.9	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3
22	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2
23	19.3	19.4	19.5	19.6	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1
24	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0

UT hrs	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0
1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
3	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
4	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0
5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0
6	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	6.0	6.0	6.0
7	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9	6.9	7.0	7.0
8	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	8.0	8.0
9	8.3	8.3	8.4	8.4	8.4	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7	8.8	8.8	8.9	8.9	8.9	9.0	9.0
10	9.2	9.3	9.3	9.3	9.4	9.4	9.5	9.5	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.9	9.9	10.0	10.0
11	10.1	10.2	10.2	10.3	10.3	10.4	10.4	10.5	10.5	10.5	10.6	10.6	10.7	10.7	10.8	10.8	10.9	10.9	11.0	11.0
12	11.1	11.1	11.2	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.6	11.6	11.7	11.7	11.8	11.8	11.9	11.9	12.0	12.0
13	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.4	12.4	12.5	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0
14	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.3	13.4	13.4	13.5	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9	14.0
15	13.8	13.9	13.9	14.0	14.1	14.1	14.2	14.3	14.3	14.4	14.4	14.5	14.6	14.6	14.7	14.8	14.8	14.9	14.9	15.0
16	14.7	14.8	14.9	14.9	15.0	15.1	15.1	15.2	15.3	15.3	15.4	15.5	15.							

Sun and Planets Increments

UT hrs	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0
1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
3	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3
4	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3
5	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4
6	6.0	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.5	6.5	6.5
7	7.0	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6
8	8.0	8.1	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.7
9	9.0	9.1	9.1	9.2	9.2	9.2	9.3	9.3	9.3	9.4	9.4	9.5	9.5	9.5	9.6	9.6	9.6	9.7	9.7	9.8
10	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.3	10.4	10.4	10.5	10.5	10.5	10.6	10.6	10.7	10.7	10.8	10.8	10.8
11	11.0	11.1	11.1	11.2	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.6	11.6	11.6	11.7	11.7	11.8	11.8	11.9	11.9
12	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.9	12.9	13.0	13.0
13	13.1	13.1	13.2	13.2	13.3	13.3	13.4	13.4	13.5	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9	14.0	14.0	14.1
14	14.1	14.1	14.2	14.2	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.7	14.8	14.8	14.9	14.9	15.0	15.1	15.1	15.2
15	15.1	15.1	15.2	15.3	15.3	15.4	15.4	15.5	15.6	15.6	15.7	15.8	15.8	15.9	15.9	16.0	16.1	16.1	16.2	16.3
16	16.1	16.1	16.2	16.3	16.3	16.4	16.5	16.5	16.6	16.7	16.7	16.8	16.9	16.9	17.0	17.1	17.1	17.2	17.3	17.3
17	17.1	17.1	17.2	17.3	17.4	17.4	17.5	17.6	17.6	17.7	17.8	17.9	17.9	18.0	18.1	18.1	18.2	18.3	18.3	18.4
18	18.1	18.2	18.2	18.3	18.4	18.5	18.5	18.6	18.7	18.8	18.8	18.9	19.0	19.1	19.1	19.2	19.3	19.4	19.4	19.5
19	19.1	19.2	19.2	19.3	19.4	19.5	19.6	19.6	19.7	19.8	19.9	20.0	20.0	20.1	20.2	20.3	20.3	20.4	20.5	20.6
20	20.1	20.2	20.3	20.3	20.4	20.5	20.6	20.7	20.8	20.8	20.9	21.0	21.1	21.2	21.3	21.3	21.4	21.5	21.6	21.7
21	21.1	21.2	21.3	21.4	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8
22	22.1	22.2	22.3	22.4	22.5	22.6	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.7	23.8
23	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9
24	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0

UT hrs	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0
1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5
4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7
5	5.4	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8
6	6.5	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	7.0	7.0	7.0
7	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.2
8	8.7	8.7	8.8	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.0	9.1	9.1	9.1	9.2	9.2	9.2	9.3	9.3	9.3
9	9.8	9.8	9.9	9.9	9.9	10.0	10.0	10.1	10.1	10.1	10.2	10.2	10.2	10.3	10.3	10.4	10.4	10.4	10.5	10.5
10	10.9	10.9	11.0	11.0	11.0	11.1	11.1	11.2	11.2	11.3	11.3	11.3	11.4	11.4	11.5	11.5	11.5	11.6	11.6	11.7
11	12.0	12.0	12.1	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.6	12.6	12.7	12.7	12.7	12.8	12.8
12	13.1	13.1	13.2	13.2	13.3	13.3	13.4	13.4	13.5	13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.9	13.9	14.0	14.0
13	14.1	14.2	14.2	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.7	14.7	14.8	14.8	14.9	15.0	15.0	15.1	15.1	15.2
14	15.2	15.3	15.3	15.4	15.5	15.5	15.6	15.6	15.7	15.8	15.8	15.9	15.9	16.0	16.0	16.1	16.2	16.2	16.3	16.3
15	16.3	16.4	16.4	16.5	16.6	16.6	16.7	16.8	16.8	16.9	16.9	17.0	17.1	17.1	17.2	17.3	17.3	17.4	17.4	17.5
16	17.4	17.5	17.5	17.6	17.7	17.7	17.8	17.9	17.9	18.0	18.1	18.1	18.2	18.3	18.3	18.4	18.5	18.5	18.6	18.7
17	18.5	18.6	18.6	18.7	18.8	18.8	18.9	19.0	19.1	19.1	19.2	19.3	19.3	19.4	19.5	19.6	19.6	19.7	19.8	19.8
18	19.6	19.7	19.7	19.8	19.9	20.0	20.0	20.1	20.2	20.3	20.3	20.4	20.5	20.6	20.6	20.7	20.8	20.9	20.9	21.0
19	20.7	20.7	20.8	20.9	21.0	21.1	21.1	21.2	21.3	21.4	21.5	21.5	21.6	21.7	21.8	21.9	21.9	22.0	22.1	22.2
20	21.8	21.8	21.9	22.0	22.1	22.2	22.3	22.3	22.4	22.5	22.6	22.7	22.8	22.8	22.9	23.0	23.1	23.2	23.3	23.3
21	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.2	24.3	24.4	24.5
22	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7
23	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.5	26.6	26.7	26.8
24	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0

UT hrs	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0
1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
2	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5
3	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8
4	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0
5	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.3
6	7.0	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5
7	8.2	8.2	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7	8.8
8	9.4	9.4	9.4	9.5	9.5	9.5	9.6	9.6	9.6	9.7	9.7	9.7	9.8	9.8	9.8	9.9	9.9	9.9	10.0	10.0
9	10.5	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.9	10.9	11.0	11.0	11.0	11.1	11.1	11.1	11.2	11.2	11.3
10	11.7	11.8	11.8	11.8	11.9	11.9	12.0	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.3	12.4	12.4	12.5	12.5
11	12.9	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.2	13.3	13.3	13.4	13.4	13.5	13.5	13.6	13.6	13.7	13.7	13.8
12	14.1	14.1	14.2	14.2	14.3	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.7	14.7	14.8	14.8	14.9	14.9	15.0	15.0
13	15.2	15.3	15.3	15.4	15.4	15.5	15.5	15.6	15.7	15.7	15.8	15.8	15.9	15.9	16.0	16.0	16.1	16.1	16.2	16.3
14	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.8	16.9	16.9	17.0	17.0	17.1	17.2	17.2	17.3	17.3	17.4	17.4	17.5
15	17.6	17.6	17.7	17.8	17.8	17.9	17.9	18.0	18.1	18.1	18.2	18.3	18.3	18.4	18.4	18.5	18.6	18.6	18.7	18.8
16	18.7	18.8																		

Sun and Planets Increments

UT hrs	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0
1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7
3	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0
4	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3
5	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.7
6	7.5	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	8.0	8.0	8.0
7	8.8	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.3	9.3	9.3
8	10.0	10.1	10.1	10.1	10.2	10.2	10.2	10.3	10.3	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.6	10.6	10.6	10.7
9	11.3	11.3	11.4	11.4	11.4	11.5	11.5	11.6	11.6	11.6	11.7	11.7	11.7	11.8	11.8	11.9	11.9	11.9	12.0	12.0
10	12.5	12.6	12.6	12.7	12.7	12.8	12.8	12.8	12.9	12.9	13.0	13.0	13.0	13.1	13.1	13.2	13.2	13.3	13.3	13.3
11	13.8	13.8	13.9	13.9	14.0	14.0	14.1	14.1	14.2	14.2	14.3	14.3	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.7
12	15.1	15.1	15.2	15.2	15.3	15.3	15.4	15.4	15.5	15.5	15.6	15.6	15.7	15.7	15.8	15.8	15.9	15.9	16.0	16.0
13	16.3	16.4	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.8	16.8	16.9	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3
14	17.6	17.6	17.7	17.7	17.8	17.9	17.9	18.0	18.0	18.1	18.1	18.2	18.3	18.3	18.4	18.4	18.5	18.6	18.6	18.7
15	18.8	18.9	18.9	19.0	19.1	19.1	19.2	19.3	19.3	19.4	19.4	19.5	19.6	19.6	19.7	19.8	19.8	19.9	19.9	20.0
16	20.1	20.1	20.2	20.3	20.3	20.4	20.5	20.5	20.6	20.7	20.7	20.8	20.9	20.9	21.0	21.1	21.1	21.2	21.3	21.3
17	21.3	21.4	21.5	21.5	21.6	21.7	21.7	21.8	21.9	22.0	22.0	22.1	22.2	22.2	22.3	22.4	22.5	22.5	22.6	22.7
18	22.6	22.7	22.7	22.8	22.9	23.0	23.0	23.1	23.2	23.3	23.3	23.4	23.5	23.6	23.6	23.7	23.8	23.9	23.9	24.0
19	23.8	23.9	24.0	24.1	24.1	24.2	24.3	24.4	24.5	24.5	24.6	24.7	24.8	24.9	24.9	25.0	25.1	25.2	25.3	25.3
20	25.1	25.2	25.3	25.3	25.4	25.5	25.6	25.7	25.8	25.8	25.9	26.0	26.1	26.2	26.3	26.3	26.4	26.5	26.6	26.7
21	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0
22	27.6	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.2	29.3
23	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7
24	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0

UT hrs	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0
1	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
3	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3
4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7
5	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.1	7.1
6	8.0	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.4	8.5	8.5	8.5
7	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.9	9.9	9.9
8	10.7	10.7	10.8	10.8	10.8	10.9	10.9	10.9	11.0	11.0	11.0	11.1	11.1	11.1	11.2	11.2	11.2	11.3	11.3	11.3
9	12.0	12.1	12.1	12.2	12.2	12.2	12.3	12.3	12.3	12.4	12.4	12.5	12.5	12.5	12.6	12.6	12.6	12.7	12.7	12.8
10	13.4	13.4	13.5	13.5	13.5	13.6	13.6	13.7	13.7	13.8	13.8	13.8	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.2
11	14.7	14.8	14.8	14.9	14.9	14.9	15.0	15.0	15.1	15.1	15.2	15.2	15.3	15.3	15.4	15.4	15.4	15.5	15.5	15.6
12	16.1	16.1	16.2	16.2	16.3	16.3	16.4	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.8	16.8	16.9	16.9	17.0	17.0
13	17.4	17.4	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0	18.0	18.1	18.1	18.2	18.3	18.3	18.4	18.4
14	18.7	18.8	18.8	18.9	19.0	19.0	19.1	19.1	19.2	19.3	19.3	19.4	19.4	19.5	19.5	19.6	19.7	19.7	19.8	19.8
15	20.1	20.1	20.2	20.3	20.3	20.4	20.4	20.5	20.6	20.6	20.7	20.8	20.8	20.9	20.9	21.0	21.1	21.1	21.2	21.3
16	21.4	21.5	21.5	21.6	21.7	21.7	21.8	21.9	21.9	22.0	22.1	22.1	22.2	22.3	22.3	22.4	22.5	22.5	22.6	22.7
17	22.7	22.8	22.9	23.0	23.0	23.1	23.2	23.2	23.3	23.4	23.4	23.5	23.6	23.7	23.7	23.8	23.9	23.9	24.0	24.1
18	24.1	24.2	24.2	24.3	24.4	24.5	24.5	24.6	24.7	24.8	24.8	24.9	25.0	25.1	25.1	25.2	25.3	25.4	25.4	25.5
19	25.4	25.5	25.6	25.7	25.7	25.8	25.9	26.0	26.0	26.1	26.2	26.3	26.4	26.4	26.5	26.6	26.7	26.8	26.8	26.9
20	26.8	26.8	26.9	27.0	27.1	27.2	27.3	27.3	27.4	27.5	27.6	27.7	27.8	27.8	27.9	28.0	28.1	28.2	28.3	28.3
21	28.1	28.2	28.3	28.4	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8
22	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2
23	30.8	30.9	31.0	31.1	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6
24	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0

UT hrs	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0
1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
4	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0
5	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5
6	8.5	8.6	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	9.0	9.0	9.0
7	9.9	10.0	10.0	10.0	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.4	10.4	10.4	10.4	10.5	10.5
8	11.4	11.4	11.4	11.5	11.5	11.5	11.6	11.6	11.6	11.7	11.7	11.7	11.8	11.8	11.8	11.9	11.9	11.9	12.0	12.0
9	12.8	12.8	12.9	12.9	12.9	13.0	13.0	13.1	13.1	13.1	13.2	13.2	13.2	13.3	13.3	13.4	13.4	13.4	13.5	13.5
10	14.2	14.3	14.3	14.3	14.4	14.4	14.5	14.5	14.5	14.6	14.6	14.7	14.7	14.8	14.8	14.8	14.9	14.9	15.0	15.0
11	15.6	15.7	15.7	15.8	15.8	15.9	15.9	16.0	16.0	16.0	16.1	16.1	16.2	16.2	16.3	16.3	16.4	16.4	16.5	16.5
12	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4	17.5	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0	18.0
13	18.5	18.5	18.6	18.6	18.7	18.7	18.8	18.9	18.9	19.0	19.0	19.1	19.1	19.2	19.2	19.3	19.3	19.4	19.4	19.5
14	19.9	20.0	20.0	20.1	20.1	20.2	20.2	20.3	20.4	20.4	20.5	20.5	20.6	20.7	20.7	20.8	20.8	20.9	20.9	21.0
15	21.3	21.4	21.4	21.5	21.6	21.6	21.7	21.8	21.8	21.9	21.9	22.0								

Sun and Planets Increments

UT hrs	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0
1	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2
3	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8
4	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.3
5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9
6	9.0	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.5	9.5	9.5
7	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.8	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.1	11.1
8	12.0	12.1	12.1	12.1	12.2	12.2	12.2	12.3	12.3	12.3	12.4	12.4	12.4	12.5	12.5	12.5	12.6	12.6	12.6	12.7
9	13.5	13.6	13.6	13.7	13.7	13.7	13.8	13.8	13.8	13.9	13.9	14.0	14.0	14.0	14.1	14.1	14.1	14.2	14.2	14.3
10	15.0	15.1	15.1	15.2	15.2	15.3	15.3	15.3	15.4	15.4	15.5	15.5	15.5	15.6	15.6	15.7	15.7	15.8	15.8	15.8
11	16.5	16.6	16.6	16.7	16.7	16.8	16.8	16.9	16.9	17.0	17.0	17.1	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4
12	18.1	18.1	18.2	18.2	18.3	18.3	18.4	18.4	18.5	18.5	18.6	18.6	18.7	18.7	18.8	18.8	18.9	18.9	19.0	19.0
13	19.6	19.6	19.7	19.7	19.8	19.8	19.9	19.9	20.0	20.0	20.1	20.2	20.2	20.3	20.3	20.4	20.4	20.5	20.5	20.6
14	21.1	21.1	21.2	21.2	21.3	21.4	21.4	21.5	21.5	21.6	21.6	21.7	21.8	21.8	21.9	21.9	22.0	22.1	22.1	22.2
15	22.6	22.6	22.7	22.8	22.8	22.9	22.9	23.0	23.1	23.1	23.2	23.3	23.3	23.4	23.4	23.5	23.6	23.6	23.7	23.8
16	24.1	24.1	24.2	24.3	24.3	24.4	24.5	24.5	24.6	24.7	24.7	24.8	24.9	24.9	25.0	25.1	25.1	25.2	25.3	25.3
17	25.6	25.6	25.7	25.8	25.9	25.9	26.0	26.1	26.1	26.2	26.3	26.4	26.4	26.5	26.6	26.6	26.7	26.8	26.8	26.9
18	27.1	27.2	27.2	27.3	27.4	27.5	27.5	27.6	27.7	27.8	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5
19	28.6	28.7	28.7	28.8	28.9	29.0	29.1	29.1	29.2	29.3	29.4	29.5	29.5	29.6	29.7	29.8	29.8	29.9	30.0	30.1
20	30.1	30.2	30.3	30.3	30.4	30.5	30.6	30.7	30.8	30.8	30.9	31.0	31.1	31.2	31.3	31.3	31.4	31.5	31.6	31.7
21	31.6	31.7	31.8	31.9	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3
22	33.1	33.2	33.3	33.4	33.5	33.6	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.7	34.8
23	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4
24	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0

UT hrs	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0
1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
3	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0
4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7
5	7.9	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3
6	9.5	9.6	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	10.0	10.0	10.0
7	11.1	11.1	11.2	11.2	11.2	11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.7
8	12.7	12.7	12.8	12.8	12.8	12.9	12.9	12.9	13.0	13.0	13.0	13.1	13.1	13.1	13.2	13.2	13.2	13.3	13.3	13.3
9	14.3	14.3	14.4	14.4	14.4	14.5	14.5	14.6	14.6	14.6	14.7	14.7	14.7	14.8	14.8	14.9	14.9	14.9	15.0	15.0
10	15.9	15.9	16.0	16.0	16.0	16.1	16.1	16.2	16.2	16.3	16.3	16.3	16.4	16.4	16.5	16.5	16.5	16.6	16.6	16.7
11	17.5	17.5	17.6	17.6	17.6	17.7	17.7	17.8	17.8	17.9	17.9	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.3	18.3
12	19.1	19.1	19.2	19.2	19.3	19.3	19.4	19.4	19.5	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.9	19.9	20.0	20.0
13	20.6	20.7	20.7	20.8	20.9	20.9	21.0	21.0	21.1	21.1	21.2	21.2	21.3	21.3	21.4	21.5	21.5	21.6	21.6	21.7
14	22.2	22.3	22.3	22.4	22.5	22.5	22.6	22.6	22.7	22.8	22.8	22.9	22.9	23.0	23.0	23.1	23.2	23.2	23.3	23.3
15	23.8	23.9	23.9	24.0	24.1	24.1	24.2	24.3	24.3	24.4	24.4	24.5	24.6	24.6	24.7	24.8	24.8	24.9	24.9	25.0
16	25.4	25.5	25.5	25.6	25.7	25.7	25.8	25.9	25.9	26.0	26.1	26.1	26.2	26.3	26.3	26.4	26.5	26.5	26.6	26.7
17	27.0	27.1	27.1	27.2	27.3	27.3	27.4	27.5	27.6	27.6	27.7	27.8	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.3
18	28.6	28.7	28.7	28.8	28.9	29.0	29.0	29.1	29.2	29.3	29.3	29.4	29.5	29.6	29.6	29.7	29.8	29.9	29.9	30.0
19	30.2	30.2	30.3	30.4	30.5	30.6	30.6	30.7	30.8	30.9	31.0	31.0	31.1	31.2	31.3	31.4	31.4	31.5	31.6	31.7
20	31.8	31.8	31.9	32.0	32.1	32.2	32.3	32.3	32.4	32.5	32.6	32.7	32.8	32.8	32.9	33.0	33.1	33.2	33.3	33.3
21	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.7	34.8	34.9	35.0
22	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7
23	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.0	38.1	38.2	38.3
24	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0

UT hrs	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0
1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
2	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
3	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3
4	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0
5	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.8
6	10.0	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.4	10.5	10.5	10.5
7	11.7	11.7	11.8	11.8	11.8	11.8	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.1	12.1	12.1	12.2	12.2	12.2	12.3
8	13.4	13.4	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.7	13.7	13.7	13.8	13.8	13.8	13.9	13.9	13.9	14.0	14.0
9	15.0	15.1	15.1	15.2	15.2	15.2	15.3	15.3	15.3	15.4	15.4	15.5	15.5	15.5	15.6	15.6	15.6	15.7	15.7	15.8
10	16.7	16.8	16.8	16.8	16.9	16.9	17.0	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.3	17.4	17.4	17.5	17.5
11	18.4	18.4	18.5	18.5	18.6	18.6	18.7	18.7	18.7	18.8	18.8	18.9	18.9	19.0	19.0	19.1	19.1	19.2	19.2	19.3
12	20.1	20.1	20.2	20.2	20.3	20.3	20.4	20.4	20.5	20.5	20.6	20.6	20.7	20.7	20.8	20.8	20.9	20.9	21.0	21.0
13	21.7	21.8	21.8	21.9	21.9	22.0	22.0	22.1	22.2	22.2	22.3	22.3	22.4	22.4	22.5	22.5	22.6	22.6	22.7	22.8
14	23.4	23.5	23.5	23.6	23.6	23.7	23.7	23.8	23.9	23.9	24.0	24.0	24.1	24.2	24.2	24.3	24.3	24.4	24.4	24.5
15	25.1	25.1	25.2	25.3	25.3</															

Sun and Planets Increments

UT hrs	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0
1	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7
3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5
4	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3
5	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.2
6	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.9	10.9	10.9	10.9	11.0	11.0	11.0
7	12.3	12.3	12.3	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.8	12.8	12.8
8	14.0	14.1	14.1	14.1	14.2	14.2	14.2	14.3	14.3	14.3	14.4	14.4	14.4	14.5	14.5	14.5	14.6	14.6	14.6	14.7
9	15.8	15.8	15.9	15.9	15.9	16.0	16.0	16.1	16.1	16.1	16.2	16.2	16.2	16.3	16.3	16.4	16.4	16.4	16.5	16.5
10	17.5	17.6	17.6	17.7	17.7	17.8	17.8	17.8	17.9	17.9	18.0	18.0	18.0	18.1	18.1	18.2	18.2	18.3	18.3	18.3
11	19.3	19.3	19.4	19.4	19.5	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.8	19.9	19.9	20.0	20.0	20.1	20.1	20.2
12	21.1	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.5	21.5	21.6	21.6	21.7	21.7	21.8	21.8	21.9	21.9	22.0	22.0
13	22.8	22.9	22.9	23.0	23.0	23.1	23.1	23.2	23.2	23.3	23.3	23.4	23.5	23.5	23.6	23.6	23.7	23.7	23.8	23.8
14	24.6	24.6	24.7	24.7	24.8	24.9	24.9	25.0	25.0	25.1	25.1	25.2	25.3	25.3	25.4	25.4	25.5	25.6	25.6	25.7
15	26.3	26.4	26.4	26.5	26.6	26.6	26.7	26.8	26.8	26.9	26.9	27.0	27.1	27.1	27.2	27.3	27.3	27.4	27.4	27.5
16	28.1	28.1	28.2	28.3	28.3	28.4	28.5	28.5	28.6	28.7	28.7	28.8	28.9	28.9	29.0	29.1	29.1	29.2	29.3	29.3
17	29.8	29.9	30.0	30.0	30.1	30.2	30.2	30.3	30.4	30.5	30.5	30.6	30.7	30.7	30.8	30.9	31.0	31.0	31.1	31.2
18	31.6	31.7	31.7	31.8	31.9	32.0	32.0	32.1	32.2	32.3	32.3	32.4	32.5	32.6	32.6	32.7	32.8	32.9	32.9	33.0
19	33.3	33.4	33.5	33.6	33.6	33.7	33.8	33.9	34.0	34.0	34.1	34.2	34.3	34.4	34.4	34.5	34.6	34.7	34.8	34.8
20	35.1	35.2	35.3	35.3	35.4	35.5	35.6	35.7	35.8	35.8	35.9	36.0	36.1	36.2	36.3	36.3	36.4	36.5	36.6	36.7
21	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.2	38.3	38.4	38.5
22	38.6	38.7	38.8	38.9	39.0	39.1	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.2	40.3
23	40.3	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2
24	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0

UT hrs	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0
1	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
3	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8
4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.7
5	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.6	9.6
6	11.0	11.1	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.5	11.5	11.5
7	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.3	13.3	13.3	13.4	13.4	13.4
8	14.7	14.7	14.8	14.8	14.8	14.9	14.9	14.9	15.0	15.0	15.0	15.1	15.1	15.1	15.2	15.2	15.2	15.3	15.3	15.3
9	16.5	16.6	16.6	16.7	16.7	16.7	16.8	16.8	16.8	16.9	16.9	17.0	17.0	17.0	17.1	17.1	17.1	17.2	17.2	17.3
10	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.7	18.7	18.8	18.8	18.8	18.9	18.9	19.0	19.0	19.0	19.1	19.1	19.2
11	20.2	20.3	20.3	20.4	20.4	20.4	20.5	20.5	20.6	20.6	20.7	20.7	20.8	20.8	20.9	20.9	20.9	21.0	21.0	21.1
12	22.1	22.1	22.2	22.2	22.3	22.3	22.4	22.4	22.5	22.5	22.6	22.6	22.7	22.7	22.8	22.8	22.9	22.9	23.0	23.0
13	23.9	23.9	24.0	24.1	24.1	24.2	24.2	24.3	24.3	24.4	24.4	24.5	24.5	24.6	24.6	24.7	24.8	24.8	24.9	24.9
14	25.7	25.8	25.8	25.9	26.0	26.0	26.1	26.1	26.2	26.3	26.3	26.4	26.4	26.5	26.5	26.6	26.7	26.7	26.8	26.8
15	27.6	27.6	27.7	27.8	27.8	27.9	27.9	28.0	28.1	28.1	28.2	28.3	28.3	28.4	28.4	28.5	28.6	28.6	28.7	28.8
16	29.4	29.5	29.5	29.6	29.7	29.7	29.8	29.9	29.9	30.0	30.1	30.1	30.2	30.3	30.3	30.4	30.5	30.5	30.6	30.7
17	31.2	31.3	31.4	31.5	31.5	31.6	31.7	31.7	31.8	31.9	31.9	32.0	32.1	32.2	32.2	32.3	32.4	32.4	32.5	32.6
18	33.1	33.2	33.2	33.3	33.4	33.5	33.5	33.6	33.7	33.8	33.8	33.9	34.0	34.1	34.1	34.2	34.3	34.4	34.4	34.5
19	34.9	35.0	35.1	35.2	35.2	35.3	35.4	35.5	35.5	35.6	35.7	35.8	35.9	35.9	36.0	36.1	36.2	36.3	36.3	36.4
20	36.8	36.8	36.9	37.0	37.1	37.2	37.3	37.3	37.4	37.5	37.6	37.7	37.8	37.8	37.9	38.0	38.1	38.2	38.3	38.3
21	38.6	38.7	38.8	38.9	38.9	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.6	39.7	39.8	39.9	40.0	40.1	40.2	40.3
22	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.3	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2
23	42.3	42.4	42.5	42.6	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.1
24	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0

UT hrs	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0
1	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0
3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0
4	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0
5	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0
6	11.5	11.6	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.8	11.8	11.8	11.8	11.9	11.9	11.9	11.9	12.0	12.0	12.0
7	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.8	13.8	13.8	13.9	13.9	13.9	13.9	14.0	14.0
8	15.4	15.4	15.4	15.5	15.5	15.5	15.6	15.6	15.6	15.7	15.7	15.7	15.8	15.8	15.8	15.9	15.9	15.9	16.0	16.0
9	17.3	17.3	17.4	17.4	17.4	17.5	17.5	17.6	17.6	17.6	17.7	17.7	17.7	17.8	17.8	17.9	17.9	17.9	18.0	18.0
10	19.2	19.3	19.3	19.3	19.4	19.4	19.5	19.5	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.8	19.9	19.9	20.0	20.0
11	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.7	21.7	21.8	21.8	21.9	21.9	22.0	22.0
12	23.1	23.1	23.2	23.2	23.3	23.3	23.4	23.4	23.5	23.5	23.6	23.6	23.7	23.7	23.8	23.8	23.9	23.9	24.0	24.0
13	25.0	25.0	25.1	25.1	25.2	25.2	25.3	25.4	25.4	25.5	25.5	25.6	25.6	25.7	25.7	25.8	25.8	25.9	25.9	26.0
14	26.9	27.0	27.0	27.1	27.1	27.2	27.2	27.3	27.4	27.4	27.5	27.5	27.6	27.7	27.7	27.8	27.8	27.9	27.9	28.0
15	2																			

Sun and Planets Increments

UT hrs	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0
1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2
3	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3
4	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3
5	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.4
6	12.0	12.1	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.5	12.5	12.5
7	14.0	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.6	14.6
8	16.0	16.1	16.1	16.1	16.2	16.2	16.2	16.3	16.3	16.3	16.4	16.4	16.4	16.5	16.5	16.5	16.6	16.6	16.6	16.7
9	18.0	18.1	18.1	18.2	18.2	18.2	18.3	18.3	18.3	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.6	18.7	18.7	18.8
10	20.0	20.1	20.1	20.2	20.2	20.3	20.3	20.3	20.4	20.4	20.5	20.5	20.5	20.6	20.6	20.7	20.7	20.8	20.8	20.8
11	22.0	22.1	22.1	22.2	22.2	22.3	22.3	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.7	22.7	22.8	22.8	22.9	22.9
12	24.1	24.1	24.2	24.2	24.3	24.3	24.4	24.4	24.5	24.5	24.6	24.6	24.7	24.7	24.8	24.8	24.9	24.9	25.0	25.0
13	26.1	26.1	26.2	26.2	26.3	26.3	26.4	26.4	26.5	26.5	26.6	26.7	26.7	26.8	26.8	26.9	26.9	27.0	27.0	27.1
14	28.1	28.1	28.2	28.2	28.3	28.4	28.4	28.5	28.5	28.6	28.6	28.7	28.8	28.8	28.9	28.9	29.0	29.1	29.1	29.2
15	30.1	30.1	30.2	30.3	30.3	30.4	30.4	30.5	30.6	30.6	30.7	30.8	30.8	30.9	30.9	31.0	31.1	31.1	31.2	31.3
16	32.1	32.1	32.2	32.3	32.3	32.4	32.5	32.5	32.6	32.7	32.7	32.8	32.9	32.9	33.0	33.1	33.1	33.2	33.3	33.3
17	34.1	34.1	34.2	34.3	34.4	34.4	34.5	34.6	34.6	34.7	34.8	34.9	34.9	35.0	35.1	35.1	35.2	35.3	35.3	35.4
18	36.1	36.2	36.2	36.3	36.4	36.5	36.5	36.6	36.7	36.8	36.8	36.9	37.0	37.1	37.1	37.2	37.3	37.4	37.4	37.5
19	38.1	38.2	38.2	38.3	38.4	38.5	38.6	38.6	38.7	38.8	38.9	39.0	39.0	39.1	39.2	39.3	39.3	39.4	39.5	39.6
20	40.1	40.2	40.3	40.3	40.4	40.5	40.6	40.7	40.8	40.8	40.9	41.0	41.1	41.2	41.3	41.3	41.4	41.5	41.6	41.7
21	42.1	42.2	42.3	42.4	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8
22	44.1	44.2	44.3	44.4	44.5	44.6	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.7	45.8
23	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9
24	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0

UT hrs	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0
1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2
2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5
4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.7
5	10.4	10.5	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8
6	12.5	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.9	12.9	12.9	12.9	13.0	13.0	13.0
7	14.6	14.6	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.9	14.9	14.9	15.0	15.0	15.0	15.1	15.1	15.1	15.1	15.2
8	16.7	16.7	16.8	16.8	16.8	16.9	16.9	16.9	17.0	17.0	17.0	17.1	17.1	17.1	17.2	17.2	17.2	17.3	17.3	17.3
9	18.8	18.8	18.9	18.9	18.9	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.4	19.4	19.4	19.5	19.5
10	20.9	20.9	21.0	21.0	21.0	21.1	21.1	21.2	21.2	21.3	21.3	21.3	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.7
11	23.0	23.0	23.1	23.1	23.1	23.2	23.2	23.3	23.3	23.4	23.4	23.5	23.5	23.6	23.6	23.7	23.7	23.7	23.8	23.8
12	25.1	25.1	25.2	25.2	25.3	25.3	25.4	25.4	25.5	25.5	25.6	25.6	25.7	25.7	25.8	25.8	25.9	25.9	26.0	26.0
13	27.1	27.2	27.2	27.3	27.4	27.4	27.5	27.5	27.6	27.6	27.7	27.7	27.8	27.8	27.9	28.0	28.0	28.1	28.1	28.2
14	29.2	29.3	29.3	29.4	29.5	29.5	29.6	29.6	29.7	29.8	29.8	29.9	29.9	30.0	30.0	30.1	30.2	30.2	30.3	30.3
15	31.3	31.4	31.4	31.5	31.6	31.6	31.7	31.8	31.8	31.9	31.9	32.0	32.1	32.1	32.2	32.3	32.3	32.4	32.4	32.5
16	33.4	33.5	33.5	33.6	33.7	33.7	33.8	33.9	33.9	34.0	34.1	34.1	34.2	34.3	34.3	34.4	34.5	34.5	34.6	34.7
17	35.5	35.6	35.6	35.7	35.8	35.8	35.9	36.0	36.1	36.1	36.2	36.3	36.3	36.4	36.5	36.6	36.6	36.7	36.8	36.8
18	37.6	37.7	37.7	37.8	37.9	38.0	38.0	38.1	38.2	38.3	38.3	38.4	38.5	38.6	38.6	38.7	38.8	38.9	38.9	39.0
19	39.7	39.7	39.8	39.9	40.0	40.1	40.1	40.2	40.3	40.4	40.5	40.5	40.6	40.7	40.8	40.9	40.9	41.0	41.1	41.2
20	41.8	41.8	41.9	42.0	42.1	42.2	42.3	42.3	42.4	42.5	42.6	42.7	42.8	42.8	42.9	43.0	43.1	43.2	43.3	43.3
21	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.2	45.3	45.4	45.5
22	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7
23	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.5	49.6	49.7	49.8
24	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0

UT hrs	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.0
1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3
2	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5
3	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8
4	8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0
5	10.9	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.3
6	13.0	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.4	13.5	13.5	13.5
7	15.2	15.2	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.6	15.6	15.6	15.7	15.7	15.7	15.8
8	17.4	17.4	17.4	17.5	17.5	17.5	17.6	17.6	17.6	17.7	17.7	17.8	17.8	17.8	17.8	17.9	17.9	17.9	18.0	18.0
9	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.8	19.8	19.9	19.9	20.0	20.0	20.0	20.1	20.1	20.1	20.2	20.2	20.3
10	21.7	21.8	21.8	21.8	21.9	21.9	22.0	22.0	22.0	22.1	22.1	22.2	22.2	22.3	22.3	22.3	22.4	22.4	22.5	22.5
11	23.9	23.9	24.0	24.0	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.4	24.4	24.5	24.5	24.6	24.6	24.7	24.7	24.8
12	26.1	26.1	26.2	26.2	26.3	26.3	26.4	26.4	26.5	26.5	26.6	26.6	26.7	26.7	26.8	26.8	26.9	26.9	27.0	27.0
13	28.2	28.3	28.3	28.4	28.4	28.5	28.5	28.6	28.7	28.7	28.8	28.8	28.9	28.9	29.0	29.0	29.1	29.1	29.2	29.3
14	30.4	30.5	30.5	30.6	30.6	30.7	30.7	30.8	30.9	30.9	31.0	31.0	31.1	31.2	31.2	3				

Sun and Planets Increments

UT hrs	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0
1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7
3	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0
4	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3
5	11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.7
6	13.5	13.6	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9	14.0	14.0	14.0
7	15.8	15.8	15.8	15.9	15.9	15.9	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.3	16.3	16.3
8	18.0	18.1	18.1	18.1	18.2	18.2	18.2	18.3	18.3	18.3	18.4	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.6	18.7
9	20.3	20.3	20.4	20.4	20.4	20.5	20.5	20.6	20.6	20.6	20.7	20.7	20.7	20.8	20.8	20.9	20.9	20.9	21.0	21.0
10	22.5	22.6	22.6	22.7	22.7	22.8	22.8	22.8	22.9	22.9	23.0	23.0	23.0	23.1	23.1	23.2	23.2	23.3	23.3	23.3
11	24.8	24.8	24.9	24.9	25.0	25.0	25.1	25.1	25.2	25.2	25.3	25.3	25.3	25.4	25.4	25.5	25.5	25.6	25.6	25.7
12	27.1	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5	27.6	27.6	27.7	27.7	27.8	27.8	27.9	27.9	28.0	28.0
13	29.3	29.4	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.8	29.8	29.9	30.0	30.0	30.1	30.1	30.2	30.2	30.3	30.3
14	31.6	31.6	31.7	31.7	31.8	31.9	31.9	32.0	32.0	32.1	32.1	32.2	32.3	32.3	32.4	32.4	32.5	32.6	32.6	32.7
15	33.8	33.9	33.9	34.0	34.1	34.1	34.2	34.3	34.3	34.4	34.4	34.5	34.6	34.6	34.7	34.8	34.8	34.9	34.9	35.0
16	36.1	36.1	36.2	36.3	36.3	36.4	36.5	36.5	36.6	36.7	36.7	36.8	36.9	36.9	37.0	37.1	37.1	37.2	37.3	37.3
17	38.3	38.4	38.5	38.5	38.6	38.7	38.7	38.8	38.9	39.0	39.0	39.1	39.2	39.2	39.3	39.4	39.5	39.5	39.6	39.7
18	40.6	40.7	40.7	40.8	40.9	41.0	41.0	41.1	41.2	41.3	41.3	41.4	41.5	41.6	41.6	41.7	41.8	41.9	41.9	42.0
19	42.8	42.9	43.0	43.1	43.1	43.2	43.3	43.4	43.5	43.5	43.6	43.7	43.8	43.9	43.9	44.0	44.1	44.2	44.3	44.3
20	45.1	45.2	45.3	45.3	45.4	45.5	45.6	45.7	45.8	45.8	45.9	46.0	46.1	46.2	46.3	46.3	46.4	46.5	46.6	46.7
21	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.7	48.8	48.9	49.0
22	49.6	49.7	49.8	49.9	50.0	50.1	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.2	51.3
23	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7
24	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.0

UT hrs	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0
1	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
3	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3
4	9.4	9.4	9.4	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.7
5	11.7	11.7	11.7	11.8	11.8	11.8	11.8	11.8	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.1	12.1
6	14.0	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.5	14.5	14.5
7	16.4	16.4	16.4	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.8	16.8	16.8	16.9	16.9	16.9
8	18.7	18.7	18.8	18.8	18.8	18.9	18.9	18.9	19.0	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.3
9	21.0	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.8
10	23.4	23.4	23.5	23.5	23.5	23.6	23.6	23.7	23.7	23.8	23.8	23.8	23.9	23.9	24.0	24.0	24.0	24.1	24.1	24.2
11	25.7	25.8	25.8	25.9	25.9	25.9	26.0	26.0	26.1	26.1	26.2	26.2	26.3	26.3	26.4	26.4	26.4	26.5	26.5	26.6
12	28.1	28.1	28.2	28.2	28.3	28.3	28.4	28.4	28.5	28.5	28.6	28.6	28.7	28.7	28.8	28.8	28.9	28.9	29.0	29.0
13	30.4	30.4	30.5	30.6	30.6	30.7	30.7	30.8	30.8	30.9	30.9	31.0	31.0	31.1	31.1	31.2	31.3	31.3	31.4	31.4
14	32.7	32.8	32.8	32.9	33.0	33.0	33.1	33.1	33.2	33.3	33.3	33.4	33.4	33.5	33.5	33.6	33.7	33.7	33.8	33.8
15	35.1	35.1	35.2	35.3	35.3	35.4	35.4	35.5	35.6	35.6	35.7	35.8	35.8	35.9	35.9	36.0	36.1	36.1	36.2	36.3
16	37.4	37.5	37.5	37.6	37.7	37.7	37.8	37.9	37.9	38.0	38.1	38.1	38.2	38.3	38.3	38.4	38.5	38.5	38.6	38.7
17	39.7	39.8	39.9	40.0	40.0	40.1	40.2	40.2	40.3	40.4	40.4	40.5	40.6	40.7	40.7	40.8	40.9	40.9	41.0	41.1
18	42.1	42.2	42.2	42.3	42.4	42.5	42.5	42.6	42.7	42.8	42.8	42.9	43.0	43.1	43.1	43.2	43.3	43.4	43.4	43.5
19	44.4	44.5	44.6	44.7	44.7	44.8	44.9	45.0	45.0	45.1	45.2	45.3	45.4	45.4	45.5	45.6	45.7	45.8	45.8	45.9
20	46.8	46.8	46.9	47.0	47.1	47.2	47.3	47.3	47.4	47.5	47.6	47.7	47.8	47.8	47.9	48.0	48.1	48.2	48.3	48.3
21	49.1	49.2	49.3	49.4	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8
22	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.2
23	53.8	53.9	54.0	54.1	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.5	55.6
24	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9	58.0

UT hrs	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9	60.0
1	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0
3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5
4	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0
5	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5
6	14.5	14.6	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.9	14.9	14.9	14.9	15.0	15.0	15.0
7	16.9	17.0	17.0	17.0	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.4	17.4	17.4	17.5	17.5	17.5
8	19.4	19.4	19.4	19.5	19.5	19.5	19.6	19.6	19.6	19.7	19.7	19.7	19.8	19.8	19.8	19.9	19.9	19.9	20.0	20.0
9	21.8	21.8	21.9	21.9	21.9	22.0	22.0	22.1	22.1	22.1	22.2	22.2	22.2	22.3	22.3	22.4	22.4	22.4	22.5	22.5
10	24.2	24.3	24.3	24.3	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.7	24.7	24.8	24.8	24.8	24.9	24.9	25.0	25.0
11	26.6	26.7	26.7	26.8	26.8	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5
12	29.1	29.1	29.2	29.2	29.3	29.3	29.4	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.8	29.8	29.9	29.9	30.0	30.0
13	31.5	31.5	31.6	31.6	31.7	31.7	31.8	31.9	31.9	32.0	32.0	32.1	32.1	32.2	32.2	32.3	32.3	32.4	32.4	32.5
14	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.3	34.4	34.4	34.5	34.5	34.6	34.7	34.7					

Sun and Planets Increments

UT hrs	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0
1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2
3	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8
4	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.3
5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.9	12.9	12.9	12.9	12.9
6	15.0	15.1	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.4	15.5	15.5	15.5
7	17.5	17.6	17.6	17.6	17.6	17.7	17.7	17.7	17.8	17.8	17.8	17.9	17.9	17.9	17.9	18.0	18.0	18.0	18.1	18.1
8	20.0	20.1	20.1	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.4	20.4	20.4	20.5	20.5	20.5	20.6	20.6	20.6	20.7
9	22.5	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.8	22.9	22.9	23.0	23.0	23.0	23.1	23.1	23.1	23.2	23.2	23.3
10	25.0	25.1	25.1	25.2	25.2	25.3	25.3	25.3	25.4	25.4	25.5	25.5	25.5	25.6	25.6	25.7	25.7	25.8	25.8	25.8
11	27.5	27.6	27.6	27.7	27.7	27.8	27.8	27.9	27.9	28.0	28.0	28.1	28.1	28.1	28.2	28.2	28.3	28.3	28.4	28.4
12	30.1	30.1	30.2	30.2	30.3	30.3	30.4	30.4	30.5	30.5	30.6	30.6	30.7	30.7	30.8	30.8	30.9	30.9	31.0	31.0
13	32.6	32.6	32.7	32.7	32.8	32.8	32.9	32.9	33.0	33.0	33.1	33.2	33.2	33.3	33.3	33.4	33.4	33.5	33.5	33.6
14	35.1	35.1	35.2	35.2	35.3	35.4	35.4	35.5	35.5	35.6	35.6	35.7	35.8	35.8	35.9	35.9	36.0	36.1	36.1	36.2
15	37.6	37.6	37.7	37.8	37.8	37.9	37.9	38.0	38.1	38.1	38.2	38.3	38.3	38.4	38.4	38.5	38.6	38.6	38.7	38.8
16	40.1	40.1	40.2	40.3	40.3	40.4	40.5	40.5	40.6	40.7	40.7	40.8	40.9	40.9	41.0	41.1	41.1	41.2	41.3	41.3
17	42.6	42.6	42.7	42.8	42.9	42.9	43.0	43.1	43.1	43.2	43.3	43.4	43.4	43.5	43.6	43.6	43.7	43.8	43.8	43.9
18	45.1	45.2	45.2	45.3	45.4	45.5	45.5	45.6	45.7	45.8	45.8	45.9	46.0	46.1	46.1	46.2	46.3	46.4	46.4	46.5
19	47.6	47.7	47.7	47.8	47.9	48.0	48.1	48.1	48.2	48.3	48.4	48.5	48.5	48.6	48.7	48.8	48.8	48.9	49.0	49.1
20	50.1	50.2	50.3	50.3	50.4	50.5	50.6	50.7	50.8	50.8	50.9	51.0	51.1	51.2	51.3	51.3	51.4	51.5	51.6	51.7
21	52.6	52.7	52.8	52.9	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.3
22	55.1	55.2	55.3	55.4	55.5	55.6	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.7	56.8
23	57.6	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4
24	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0

UT hrs	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0
1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7
2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0
4	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7
5	12.9	13.0	13.0	13.0	13.0	13.0	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.3
6	15.5	15.6	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9	16.0	16.0	16.0
7	18.1	18.1	18.2	18.2	18.2	18.3	18.3	18.3	18.3	18.4	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.6	18.6	18.7
8	20.7	20.7	20.8	20.8	20.8	20.9	20.9	20.9	21.0	21.0	21.0	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3
9	23.3	23.3	23.4	23.4	23.4	23.5	23.5	23.6	23.6	23.6	23.7	23.7	23.7	23.8	23.8	23.9	23.9	23.9	24.0	24.0
10	25.9	25.9	26.0	26.0	26.0	26.1	26.1	26.2	26.2	26.3	26.3	26.3	26.4	26.4	26.5	26.5	26.5	26.6	26.6	26.7
11	28.5	28.5	28.6	28.6	28.6	28.7	28.7	28.8	28.8	28.9	28.9	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.3	29.3
12	31.1	31.1	31.2	31.2	31.3	31.3	31.4	31.4	31.5	31.5	31.6	31.6	31.7	31.7	31.8	31.8	31.9	31.9	32.0	32.0
13	33.6	33.7	33.7	33.8	33.9	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.3	34.3	34.4	34.5	34.5	34.6	34.6	34.7
14	36.2	36.3	36.3	36.4	36.5	36.5	36.6	36.6	36.7	36.8	36.8	36.9	36.9	37.0	37.0	37.1	37.2	37.2	37.3	37.3
15	38.8	38.9	38.9	39.0	39.1	39.1	39.2	39.3	39.3	39.4	39.4	39.5	39.6	39.6	39.7	39.8	39.8	39.9	39.9	40.0
16	41.4	41.5	41.5	41.6	41.7	41.7	41.8	41.9	41.9	42.0	42.1	42.1	42.2	42.3	42.3	42.4	42.5	42.5	42.6	42.7
17	44.0	44.1	44.1	44.2	44.3	44.3	44.4	44.5	44.6	44.6	44.7	44.8	44.8	44.9	45.0	45.1	45.1	45.2	45.3	45.3
18	46.6	46.7	46.7	46.8	46.9	47.0	47.0	47.1	47.2	47.3	47.3	47.4	47.5	47.6	47.6	47.7	47.8	47.9	47.9	48.0
19	49.2	49.2	49.3	49.4	49.5	49.6	49.6	49.7	49.8	49.9	50.0	50.0	50.1	50.2	50.3	50.4	50.4	50.5	50.6	50.7
20	51.8	51.8	51.9	52.0	52.1	52.2	52.3	52.3	52.4	52.5	52.6	52.7	52.8	52.8	52.9	53.0	53.1	53.2	53.3	53.3
21	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.7	55.8	55.9	56.0
22	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7
23	59.5	59.6	59.7	59.8	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0	61.0	61.1	61.2	61.3
24	62.1	62.2	62.3	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0

UT hrs	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0
1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8
2	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
3	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3
4	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.0
5	13.4	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.8
6	16.0	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.5	16.5	16.5
7	18.7	18.7	18.8	18.8	18.8	18.8	18.9	18.9	18.9	19.0	19.0	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.3
8	21.4	21.4	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.8	21.8	21.8	21.9	21.9	21.9	22.0	22.0
9	24.0	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.3	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.7	24.8
10	26.7	26.8	26.8	26.8	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.2	27.2	27.3	27.3	27.3	27.4	27.4	27.5	27.5
11	29.4	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.7	29.8	29.8	29.9	29.9	30.0	30.0	30.1	30.1	30.2	30.2	30.3
12	32.1	32.1	32.2	32.2	32.3	32.3	32.4	32.4	32.5	32.5	32.6	32.6	32.7	32.7	32.8	32.8	32.9	32.9	33.0	33.0
13	34.7	34.8	34.8	34.9	34.9	35.0	35.0	35.1	35.2	35.2	35.3	35.3	35.4	35.4	35.5	35.5	35.6	35.6	35.7	35.8
14	37.4	37.5	37.5	37.6	37.6	37.7	37.7	37.8	37.9											

Sun and Planets Increments

UT hrs	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0
1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7
3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5
4	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3
5	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.2
6	16.5	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.9	16.9	16.9	16.9	17.0	17.0	17.0
7	19.3	19.3	19.3	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.8	19.8	19.8
8	22.0	22.1	22.1	22.1	22.2	22.2	22.2	22.3	22.3	22.3	22.4	22.4	22.4	22.5	22.5	22.5	22.6	22.6	22.6	22.7
9	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.1	25.1	25.1	25.2	25.2	25.2	25.3	25.3	25.4	25.4	25.4	25.5	25.5
10	27.5	27.6	27.6	27.7	27.7	27.8	27.8	27.8	27.9	27.9	28.0	28.0	28.0	28.1	28.1	28.2	28.2	28.3	28.3	28.3
11	30.3	30.3	30.4	30.4	30.5	30.5	30.6	30.6	30.7	30.7	30.8	30.8	30.8	30.9	30.9	31.0	31.0	31.1	31.1	31.2
12	33.1	33.1	33.2	33.2	33.3	33.3	33.4	33.4	33.5	33.5	33.6	33.6	33.7	33.7	33.8	33.8	33.9	33.9	34.0	34.0
13	35.8	35.9	35.9	36.0	36.0	36.1	36.1	36.2	36.2	36.3	36.3	36.4	36.5	36.5	36.6	36.6	36.7	36.7	36.8	36.8
14	38.6	38.6	38.7	38.7	38.8	38.9	38.9	39.0	39.0	39.1	39.1	39.2	39.3	39.3	39.4	39.4	39.5	39.6	39.6	39.7
15	41.3	41.4	41.4	41.5	41.6	41.6	41.7	41.8	41.8	41.9	41.9	42.0	42.1	42.1	42.2	42.3	42.3	42.4	42.4	42.5
16	44.1	44.1	44.2	44.3	44.3	44.4	44.5	44.5	44.6	44.7	44.7	44.8	44.9	44.9	45.0	45.1	45.1	45.2	45.3	45.3
17	46.8	46.9	47.0	47.0	47.1	47.2	47.2	47.3	47.4	47.5	47.5	47.6	47.7	47.7	47.8	47.9	48.0	48.0	48.1	48.2
18	49.6	49.7	49.7	49.8	49.9	50.0	50.0	50.1	50.2	50.3	50.3	50.4	50.5	50.6	50.6	50.7	50.8	50.9	50.9	51.0
19	52.3	52.4	52.5	52.6	52.6	52.7	52.8	52.9	53.0	53.0	53.1	53.2	53.3	53.4	53.4	53.5	53.6	53.7	53.8	53.8
20	55.1	55.2	55.3	55.3	55.4	55.5	55.6	55.7	55.8	55.8	55.9	56.0	56.1	56.2	56.3	56.3	56.4	56.5	56.6	56.7
21	57.8	57.9	58.0	58.1	58.2	58.3	58.4	58.5	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.2	59.3	59.4	59.5
22	60.6	60.7	60.8	60.9	61.0	61.1	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.2	62.3
23	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.1	65.2
24	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.9	68.0

UT hrs	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0
1	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
3	8.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.8
4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.7	11.7
5	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.6	14.6
6	17.0	17.1	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.5	17.5	17.5
7	19.9	19.9	19.9	20.0	20.0	20.0	20.0	20.1	20.1	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.4	20.4	20.4
8	22.7	22.7	22.8	22.8	22.8	22.9	22.9	22.9	23.0	23.0	23.0	23.1	23.1	23.1	23.2	23.2	23.2	23.3	23.3	23.3
9	25.5	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.9	25.9	26.0	26.0	26.0	26.1	26.1	26.1	26.2	26.2	26.3
10	28.4	28.4	28.5	28.5	28.5	28.6	28.6	28.7	28.7	28.8	28.8	28.8	28.9	28.9	29.0	29.0	29.0	29.1	29.1	29.2
11	31.2	31.3	31.3	31.4	31.4	31.4	31.5	31.5	31.6	31.6	31.7	31.7	31.8	31.8	31.9	31.9	31.9	32.0	32.0	32.1
12	34.1	34.1	34.2	34.2	34.3	34.3	34.4	34.4	34.5	34.5	34.6	34.6	34.7	34.7	34.8	34.8	34.9	34.9	35.0	35.0
13	36.9	36.9	37.0	37.1	37.1	37.2	37.2	37.3	37.3	37.4	37.4	37.5	37.5	37.6	37.6	37.7	37.8	37.8	37.9	37.9
14	39.7	39.8	39.8	39.9	40.0	40.0	40.1	40.1	40.2	40.3	40.3	40.4	40.4	40.5	40.5	40.6	40.7	40.7	40.8	40.8
15	42.6	42.6	42.7	42.8	42.8	42.9	42.9	43.0	43.1	43.1	43.2	43.3	43.3	43.4	43.4	43.5	43.6	43.6	43.7	43.8
16	45.4	45.5	45.5	45.6	45.7	45.7	45.8	45.9	45.9	46.0	46.1	46.1	46.2	46.3	46.3	46.4	46.5	46.5	46.6	46.7
17	48.2	48.3	48.4	48.5	48.5	48.6	48.7	48.7	48.8	48.9	48.9	49.0	49.1	49.2	49.2	49.3	49.4	49.4	49.5	49.6
18	51.1	51.2	51.2	51.3	51.4	51.5	51.5	51.6	51.7	51.8	51.8	51.9	52.0	52.1	52.1	52.2	52.3	52.4	52.4	52.5
19	53.9	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.5	54.6	54.7	54.8	54.9	54.9	55.0	55.1	55.2	55.3	55.3	55.4
20	56.8	56.8	56.9	57.0	57.1	57.2	57.3	57.3	57.4	57.5	57.6	57.7	57.8	57.8	57.9	58.0	58.1	58.2	58.3	58.3
21	59.6	59.7	59.8	59.9	59.9	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3
22	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1	63.2	63.3	63.3	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2
23	65.3	65.4	65.5	65.6	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8	66.9	67.0	67.1
24	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0

UT hrs	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0
1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0
3	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0
4	11.7	11.7	11.7	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.0
5	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0
6	17.5	17.6	17.6	17.6	17.6	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.9	17.9	17.9	17.9	18.0	18.0	18.0
7	20.4	20.5	20.5	20.5	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.8	20.8	20.8	20.9	20.9	20.9	20.9	21.0	21.0
8	23.4	23.4	23.4	23.5	23.5	23.5	23.6	23.6	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.9	23.9	23.9	24.0	24.0
9	26.3	26.3	26.4	26.4	26.4	26.5	26.5	26.6	26.6	26.6	26.7	26.7	26.7	26.8	26.8	26.9	26.9	26.9	27.0	27.0
10	29.2	29.3	29.3	29.3	29.4	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.7	29.8	29.8	29.8	29.9	29.9	30.0	30.0
11	32.1	32.2	32.2	32.3	32.3	32.4	32.4	32.5	32.5	32.5	32.6	32.6	32.7	32.7	32.8	32.8	32.9	32.9	33.0	33.0
12	35.1	35.1	35.2	35.2	35.3	35.3	35.4	35.4	35.5	35.5	35.6	35.6	35.7	35.7	35.8	35.8	35.9	35.9	36.0	36.0
13	38.0	38.0	38.1	38.1	38.2	38.2	38.3	38.4	38.4	38.5	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.9	38.9	39.0
14	40.9	41.0	41.0	41.1	41.1	41.2	41.2	41.3	41.4											

Sun and Planets Increments

UT hrs	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0
1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
2	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2
3	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3
4	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3
5	15.0	15.0	15.1	15.1	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.3	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.4
6	18.0	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	18.3	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.5	18.5	18.5
7	21.0	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.6	21.6
8	24.0	24.1	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.6	24.7
9	27.0	27.1	27.1	27.2	27.2	27.2	27.3	27.3	27.3	27.4	27.4	27.5	27.5	27.5	27.6	27.6	27.6	27.7	27.7	27.8
10	30.0	30.1	30.1	30.2	30.2	30.3	30.3	30.3	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.7	30.7	30.8	30.8	30.8
11	33.0	33.1	33.1	33.2	33.2	33.3	33.3	33.4	33.4	33.5	33.5	33.6	33.6	33.6	33.7	33.7	33.8	33.8	33.9	33.9
12	36.1	36.1	36.2	36.2	36.3	36.3	36.4	36.4	36.5	36.5	36.6	36.6	36.7	36.7	36.8	36.8	36.9	36.9	37.0	37.0
13	39.1	39.1	39.2	39.2	39.3	39.3	39.4	39.4	39.5	39.5	39.6	39.7	39.7	39.8	39.8	39.9	39.9	40.0	40.0	40.1
14	42.1	42.1	42.2	42.2	42.3	42.4	42.4	42.5	42.5	42.6	42.6	42.7	42.8	42.8	42.9	42.9	43.0	43.1	43.1	43.2
15	45.1	45.1	45.2	45.3	45.3	45.4	45.4	45.5	45.6	45.6	45.7	45.8	45.8	45.9	45.9	46.0	46.1	46.1	46.2	46.3
16	48.1	48.1	48.2	48.3	48.3	48.4	48.5	48.5	48.6	48.7	48.7	48.8	48.9	48.9	49.0	49.1	49.1	49.2	49.3	49.3
17	51.1	51.1	51.2	51.3	51.4	51.4	51.5	51.6	51.6	51.7	51.8	51.9	51.9	52.0	52.1	52.1	52.2	52.3	52.3	52.4
18	54.1	54.2	54.2	54.3	54.4	54.5	54.5	54.6	54.7	54.8	54.8	54.9	55.0	55.1	55.1	55.2	55.3	55.4	55.4	55.5
19	57.1	57.2	57.2	57.3	57.4	57.5	57.6	57.6	57.7	57.8	57.9	58.0	58.0	58.1	58.2	58.3	58.3	58.4	58.5	58.6
20	60.1	60.2	60.3	60.3	60.4	60.5	60.6	60.7	60.8	60.8	60.9	61.0	61.1	61.2	61.3	61.3	61.4	61.5	61.6	61.7
21	63.1	63.2	63.3	63.4	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.1	64.2	64.3	64.4	64.5	64.6	64.7	64.8
22	66.1	66.2	66.3	66.4	66.5	66.6	66.6	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.7	67.8
23	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9
24	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.2	73.3	73.4	73.5	73.6	73.7	73.8	73.9	74.0

UT hrs	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0
1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2
2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5
4	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7
5	15.4	15.5	15.5	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.8
6	18.5	18.6	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	19.0	19.0	19.0
7	21.6	21.6	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.9	21.9	21.9	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.2
8	24.7	24.7	24.8	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.0	25.1	25.1	25.1	25.2	25.2	25.2	25.3	25.3	25.3
9	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.1	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.4	28.4	28.4	28.5	28.5
10	30.9	30.9	31.0	31.0	31.0	31.1	31.1	31.2	31.2	31.3	31.3	31.3	31.4	31.4	31.5	31.5	31.5	31.6	31.6	31.7
11	34.0	34.0	34.1	34.1	34.1	34.2	34.2	34.3	34.3	34.4	34.4	34.5	34.5	34.6	34.6	34.7	34.7	34.7	34.8	34.8
12	37.1	37.1	37.2	37.2	37.3	37.3	37.4	37.4	37.5	37.5	37.6	37.6	37.7	37.7	37.8	37.8	37.9	37.9	38.0	38.0
13	40.1	40.2	40.2	40.3	40.4	40.4	40.5	40.5	40.6	40.6	40.7	40.7	40.8	40.8	40.9	41.0	41.0	41.1	41.1	41.2
14	43.2	43.3	43.3	43.4	43.5	43.5	43.6	43.6	43.7	43.8	43.8	43.9	43.9	44.0	44.0	44.1	44.2	44.2	44.3	44.3
15	46.3	46.4	46.4	46.5	46.6	46.6	46.7	46.8	46.8	46.9	46.9	47.0	47.1	47.1	47.2	47.3	47.3	47.4	47.4	47.5
16	49.4	49.5	49.5	49.6	49.7	49.7	49.8	49.9	49.9	50.0	50.1	50.1	50.2	50.3	50.3	50.4	50.5	50.5	50.6	50.7
17	52.5	52.6	52.6	52.7	52.8	52.8	52.9	53.0	53.1	53.1	53.2	53.3	53.3	53.4	53.5	53.6	53.6	53.7	53.8	53.8
18	55.6	55.7	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.3	56.3	56.4	56.5	56.6	56.6	56.7	56.8	56.9	56.9	57.0
19	58.7	58.7	58.8	58.9	59.0	59.1	59.1	59.2	59.3	59.4	59.5	59.5	59.6	59.7	59.8	59.9	59.9	60.0	60.1	60.2
20	61.8	61.8	61.9	62.0	62.1	62.2	62.3	62.3	62.4	62.5	62.6	62.7	62.8	62.8	62.9	63.0	63.1	63.2	63.3	63.3
21	64.8	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.5	65.6	65.7	65.8	65.9	66.0	66.1	66.2	66.2	66.3	66.4	66.5
22	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.7
23	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.5	72.6	72.7	72.8
24	74.1	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0

UT hrs	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0
1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5
3	9.5	9.5	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
4	12.7	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	13.0	13.0	13.0	13.0
5	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.3
6	19.0	19.1	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.5	19.5	19.5
7	22.2	22.2	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.8
8	25.4	25.4	25.4	25.5	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.9	25.9	26.0	26.0
9	28.5	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	29.0	29.0	29.0	29.1	29.1	29.1	29.2	29.2	29.2
10	31.7	31.8	31.8	31.8	31.9	31.9	32.0	32.0	32.0	32.1	32.1	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.5	32.5
11	34.9	34.9	35.0	35.0	35.1	35.1	35.2	35.2	35.3	35.3	35.4	35.4	35.4	35.5	35.5	35.6	35.6	35.7	35.7	35.7
12	38.1	38.1	38.2	38.2	38.3	38.3	38.4	38.4	38.5	38.5	38.6	38.6	38.6	38.7	38.7	38.8	38.8	38.9	38.9	39.0
13	41.2	41.3	41.3	41.4	41.4	41.5	41.5	41.6	41.7	41.7	41.8	41.8	41.9	41.9	42.0	42.0	42.1	42.1	42.2	42.2
14	44.4	44.5	4																	

Sun and Planets Increments

UT hrs	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0
1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7
3	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0
4	13.0	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3
5	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.7
6	19.5	19.6	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.9	19.9	19.9	19.9	20.0	20.0
7	22.8	22.8	22.8	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.3	23.3	23.3
8	26.0	26.1	26.1	26.1	26.2	26.2	26.2	26.3	26.3	26.3	26.4	26.4	26.4	26.5	26.5	26.5	26.6	26.6	26.6	26.7
9	29.3	29.3	29.4	29.4	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.9	29.9	30.0	30.0
10	32.5	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.9	32.9	33.0	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.3	33.3
11	35.8	35.8	35.9	35.9	36.0	36.0	36.1	36.1	36.2	36.2	36.3	36.3	36.3	36.4	36.4	36.5	36.5	36.6	36.6	36.7
12	39.0	39.1	39.1	39.2	39.2	39.3	39.3	39.4	39.4	39.5	39.5	39.6	39.6	39.7	39.7	39.8	39.8	39.9	39.9	40.0
13	42.3	42.4	42.4	42.5	42.5	42.6	42.6	42.7	42.7	42.8	42.8	42.9	43.0	43.0	43.1	43.1	43.2	43.2	43.3	43.3
14	45.6	45.6	45.7	45.7	45.8	45.8	45.9	46.0	46.0	46.1	46.1	46.2	46.3	46.3	46.4	46.4	46.5	46.5	46.6	46.7
15	48.8	48.9	48.9	49.0	49.1	49.1	49.2	49.2	49.3	49.4	49.4	49.5	49.6	49.6	49.7	49.7	49.8	49.9	49.9	50.0
16	52.1	52.1	52.2	52.3	52.3	52.4	52.5	52.5	52.6	52.7	52.7	52.8	52.9	52.9	53.0	53.1	53.1	53.2	53.3	53.3
17	55.3	55.4	55.5	55.5	55.6	55.7	55.7	55.8	55.9	56.0	56.0	56.1	56.2	56.2	56.3	56.4	56.5	56.5	56.6	56.7
18	58.6	58.6	58.7	58.8	58.9	58.9	59.0	59.1	59.2	59.2	59.3	59.4	59.5	59.5	59.6	59.7	59.8	59.8	59.9	60.0
19	61.8	61.9	62.0	62.1	62.1	62.2	62.3	62.4	62.5	62.5	62.6	62.7	62.8	62.9	62.9	63.0	63.1	63.2	63.3	63.3
20	65.1	65.2	65.2	65.3	65.4	65.5	65.6	65.7	65.7	65.8	65.9	66.0	66.1	66.2	66.2	66.3	66.4	66.5	66.6	66.7
21	68.3	68.4	68.5	68.6	68.7	68.8	68.9	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6	69.6	69.7	69.8	69.9	70.0
22	71.6	71.7	71.8	71.9	72.0	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9	73.0	73.1	73.1	73.2	73.3
23	74.8	74.9	75.0	75.1	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7
24	78.1	78.2	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0

UT hrs	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0
1	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
3	10.0	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.3
4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.7
5	16.7	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.9	16.9	16.9	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.1	17.1
6	20.0	20.0	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.4	20.4	20.4	20.4	20.5	20.5
7	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.9	23.9	23.9
8	26.7	26.7	26.8	26.8	26.8	26.9	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.1	27.2	27.2	27.2	27.3	27.3	27.3
9	30.0	30.1	30.1	30.1	30.2	30.2	30.3	30.3	30.3	30.4	30.4	30.4	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7
10	33.4	33.4	33.5	33.5	33.5	33.6	33.6	33.7	33.7	33.7	33.8	33.8	33.9	33.9	34.0	34.0	34.0	34.1	34.1	34.2
11	36.7	36.8	36.8	36.8	36.9	36.9	37.0	37.0	37.1	37.1	37.2	37.2	37.3	37.3	37.4	37.4	37.4	37.5	37.5	37.6
12	40.0	40.1	40.1	40.2	40.2	40.3	40.3	40.4	40.4	40.5	40.5	40.6	40.6	40.7	40.7	40.8	40.8	40.9	40.9	41.0
13	43.4	43.4	43.5	43.5	43.6	43.7	43.7	43.8	43.8	43.9	43.9	44.0	44.0	44.1	44.1	44.2	44.3	44.3	44.4	44.4
14	46.7	46.8	46.8	46.9	47.0	47.0	47.1	47.1	47.2	47.2	47.3	47.4	47.4	47.5	47.5	47.6	47.7	47.7	47.8	47.8
15	50.1	50.1	50.2	50.2	50.3	50.4	50.4	50.5	50.6	50.6	50.7	50.7	50.8	50.9	50.9	51.0	51.1	51.1	51.2	51.2
16	53.4	53.5	53.5	53.6	53.7	53.7	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.3	54.3	54.4	54.5	54.5	54.6	54.7
17	56.7	56.8	56.9	56.9	57.0	57.1	57.2	57.2	57.3	57.4	57.4	57.5	57.6	57.7	57.7	57.8	57.9	57.9	58.0	58.1
18	60.1	60.1	60.2	60.3	60.4	60.4	60.5	60.6	60.7	60.7	60.8	60.9	61.0	61.0	61.1	61.2	61.3	61.3	61.4	61.5
19	63.4	63.5	63.6	63.6	63.7	63.8	63.9	64.0	64.0	64.1	64.2	64.3	64.4	64.4	64.5	64.6	64.7	64.8	64.8	64.9
20	66.7	66.8	66.9	67.0	67.1	67.2	67.2	67.3	67.4	67.5	67.6	67.7	67.7	67.8	67.9	68.0	68.1	68.2	68.2	68.3
21	70.1	70.2	70.3	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.0	71.1	71.2	71.3	71.4	71.5	71.6	71.7	71.7
22	73.4	73.5	73.6	73.7	73.8	73.9	74.0	74.1	74.2	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2
23	76.8	76.9	77.0	77.0	77.1	77.2	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6
24	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0

UT hrs	82.1	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0
1	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0
3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.5	10.5	10.5
4	13.7	13.7	13.7	13.7	13.7	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0
5	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.5	17.5	17.5
6	20.5	20.5	20.6	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.8	20.8	20.8	20.8	20.9	20.9	20.9	20.9	21.0	21.0
7	23.9	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.5	24.5
8	27.4	27.4	27.4	27.5	27.5	27.5	27.6	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.8	27.9	27.9	27.9	28.0	28.0
9	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.0	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.4	31.4	31.5	31.5
10	34.2	34.2	34.3	34.3	34.4	34.4	34.5	34.5	34.5	34.6	34.6	34.7	34.7	34.7	34.8	34.8	34.9	34.9	35.0	35.0
11	37.6	37.7	37.7	37.8	37.8	37.9	37.9	37.9	38.0	38.0	38.1	38.1	38.2	38.2	38.3	38.3	38.4	38.4	38.5	38.5
12	41.0	41.1	41.1	41.2	41.2	41.3	41.3	41.4	41.4	41.5	41.5	41.6	41.6	41.7	41.7	41.8	41.8	41.9	41.9	42.0
13	44.5	44.5	44.6	44.6	44.7	44.7	44.8	44.8	44.9	45.0	45.0	45.1	45.1	45.2	45.2	45.3	45.3	45.4	45.4	45.5
14	47.9	47.9	48.0	48.1</																

Sun and Planets Increments

UT hrs	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0
1	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2
3	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
4	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.3	14.3	14.3	14.3	14.3
5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.7	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.9	17.9	17.9	17.9
6	21.0	21.0	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.5	21.5
7	24.5	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.0	25.1	25.1
8	28.0	28.1	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.3	28.4	28.4	28.4	28.5	28.5	28.5	28.6	28.6	28.6	28.7
9	31.5	31.6	31.6	31.6	31.7	31.7	31.8	31.8	31.8	31.9	31.9	31.9	32.0	32.0	32.1	32.1	32.1	32.2	32.2	32.2
10	35.0	35.1	35.1	35.2	35.2	35.2	35.3	35.3	35.4	35.4	35.5	35.5	35.5	35.6	35.6	35.7	35.7	35.7	35.8	35.8
11	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.1	39.1	39.2	39.2	39.3	39.3	39.4	39.4
12	42.0	42.1	42.1	42.2	42.2	42.3	42.3	42.4	42.4	42.5	42.5	42.6	42.6	42.7	42.7	42.8	42.8	42.9	42.9	43.0
13	45.6	45.6	45.7	45.7	45.8	45.8	45.9	45.9	46.0	46.0	46.1	46.1	46.2	46.3	46.3	46.4	46.4	46.5	46.5	46.6
14	49.1	49.1	49.2	49.2	49.3	49.3	49.4	49.5	49.5	49.6	49.6	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.1	50.2
15	52.6	52.6	52.7	52.7	52.8	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.3	53.4	53.4	53.5	53.6	53.6	53.7	53.7
16	56.1	56.1	56.2	56.3	56.3	56.4	56.5	56.5	56.6	56.7	56.7	56.8	56.9	56.9	57.0	57.1	57.1	57.2	57.3	57.3
17	59.6	59.6	59.7	59.8	59.9	59.9	60.0	60.1	60.1	60.2	60.3	60.3	60.4	60.5	60.6	60.6	60.7	60.8	60.8	60.9
18	63.1	63.1	63.2	63.3	63.4	63.4	63.5	63.6	63.7	63.7	63.8	63.9	64.0	64.0	64.1	64.2	64.3	64.3	64.4	64.5
19	66.6	66.7	66.7	66.8	66.9	67.0	67.1	67.1	67.2	67.3	67.4	67.4	67.5	67.6	67.7	67.8	67.8	67.9	68.0	68.1
20	70.1	70.2	70.2	70.3	70.4	70.5	70.6	70.7	70.7	70.8	70.9	71.0	71.1	71.2	71.2	71.3	71.4	71.5	71.6	71.7
21	73.6	73.7	73.8	73.8	73.9	74.0	74.1	74.2	74.3	74.4	74.5	74.5	74.6	74.7	74.8	74.9	75.0	75.1	75.2	75.2
22	77.1	77.2	77.3	77.4	77.5	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5	78.6	78.6	78.7	78.8
23	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.3	82.4
24	84.1	84.2	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0

UT hrs	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0
1	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7
2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
3	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.0
4	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.7
5	17.9	18.0	18.0	18.0	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.3	18.3	18.3	18.3
6	21.5	21.5	21.6	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.9	21.9	21.9	21.9	22.0	22.0
7	25.1	25.1	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.4	25.4	25.4	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.7
8	28.7	28.7	28.8	28.8	28.8	28.9	28.9	28.9	29.0	29.0	29.0	29.1	29.1	29.1	29.2	29.2	29.2	29.3	29.3	29.3
9	32.3	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.9	32.9	33.0	33.0
10	35.9	35.9	36.0	36.0	36.0	36.1	36.1	36.2	36.2	36.2	36.3	36.3	36.4	36.4	36.5	36.5	36.5	36.6	36.6	36.7
11	39.5	39.5	39.6	39.6	39.6	39.7	39.7	39.8	39.8	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.2	40.2	40.3	40.3
12	43.0	43.1	43.1	43.2	43.2	43.3	43.3	43.4	43.4	43.5	43.5	43.6	43.6	43.7	43.7	43.8	43.8	43.9	43.9	44.0
13	46.6	46.7	46.7	46.8	46.9	46.9	47.0	47.0	47.1	47.1	47.2	47.2	47.3	47.3	47.4	47.4	47.5	47.6	47.6	47.7
14	50.2	50.3	50.3	50.4	50.5	50.5	50.6	50.6	50.7	50.7	50.8	50.9	50.9	51.0	51.0	51.1	51.2	51.2	51.3	51.3
15	53.8	53.9	53.9	54.0	54.1	54.1	54.2	54.2	54.3	54.4	54.4	54.5	54.6	54.6	54.7	54.7	54.8	54.9	54.9	55.0
16	57.4	57.5	57.5	57.6	57.7	57.7	57.8	57.9	58.0	58.1	58.1	58.2	58.2	58.3	58.3	58.4	58.5	58.5	58.6	58.7
17	61.0	61.1	61.1	61.2	61.3	61.3	61.4	61.5	61.6	61.6	61.7	61.8	61.8	61.9	62.0	62.0	62.1	62.2	62.3	62.3
18	64.6	64.6	64.7	64.8	64.9	64.9	65.0	65.1	65.2	65.2	65.3	65.4	65.5	65.5	65.6	65.7	65.8	65.8	65.9	66.0
19	68.2	68.2	68.3	68.4	68.5	68.6	68.6	68.7	68.8	68.9	69.0	69.0	69.1	69.2	69.3	69.3	69.4	69.5	69.6	69.7
20	71.7	71.8	71.9	72.0	72.1	72.2	72.2	72.3	72.4	72.5	72.6	72.7	72.7	72.8	72.9	73.0	73.1	73.2	73.2	73.3
21	75.3	75.4	75.5	75.6	75.7	75.8	75.9	75.9	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.6	76.7	76.8	76.9	77.0
22	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7
23	82.5	82.6	82.7	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	83.9	84.0	84.1	84.2	84.3
24	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0

UT hrs	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0
1	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5
3	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
4	14.7	14.7	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0
5	18.4	18.4	18.4	18.4	18.4	18.5	18.5	18.5	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.7
6	22.0	22.0	22.1	22.1	22.1	22.1	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.5	22.5
7	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.1	26.1	26.1	26.2	26.2	26.2	26.2
8	29.4	29.4	29.4	29.5	29.5	29.5	29.6	29.6	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.9	29.9	29.9	30.0	30.0
9	33.0	33.1	33.1	33.1	33.2	33.2	33.3	33.3	33.3	33.4	33.4	33.4	33.5	33.5	33.6	33.6	33.6	33.7	33.7	33.7
10	36.7	36.7	36.8	36.8	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.2	37.2	37.2	37.3	37.3	37.4	37.4	37.5	37.5
11	40.4	40.4	40.5	40.5	40.6	40.6	40.7	40.7	40.7	40.8	40.8	40.9	40.9	41.0	41.0	41.1	41.1	41.2	41.2	41.2
12	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4	44.5	44.5	44.6	44.6	44.7	44.7	44.8	44.8	44.9	44.9	45.0
13	47.7	47.8	47.8	47.9	47.9	48.0	48.0	48.1	48.2	48.2	48.3	48.3	48.4	48.4	48.5	48.5	48.6	48.6	48.7	48.7
14	51.4	51.4																		

Sun and Planets Increments

UT hrs	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0
1	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.7
3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5
4	15.0	15.0	15.0	15.1	15.1	15.1	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.3	15.3	15.3	15.3	15.3
5	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	18.9	19.0	19.0	19.0	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.2
6	22.5	22.5	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	23.0	23.0
7	26.3	26.3	26.3	26.4	26.4	26.4	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.8	26.8	26.8
8	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.3	30.4	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.7
9	33.8	33.8	33.9	33.9	33.9	34.0	34.0	34.0	34.1	34.1	34.2	34.2	34.2	34.3	34.3	34.3	34.4	34.4	34.5	34.5
10	37.5	37.6	37.6	37.7	37.7	37.7	37.8	37.8	37.9	37.9	38.0	38.0	38.0	38.1	38.1	38.2	38.2	38.2	38.3	38.3
11	41.3	41.3	41.4	41.4	41.5	41.5	41.6	41.6	41.7	41.7	41.8	41.8	41.8	41.9	41.9	42.0	42.0	42.1	42.1	42.2
12	45.0	45.1	45.1	45.2	45.2	45.3	45.3	45.4	45.4	45.5	45.5	45.6	45.6	45.7	45.7	45.8	45.8	45.9	45.9	46.0
13	48.8	48.9	48.9	49.0	49.0	49.1	49.1	49.2	49.2	49.3	49.3	49.4	49.5	49.5	49.6	49.6	49.7	49.7	49.8	49.8
14	52.6	52.6	52.7	52.7	52.8	52.8	52.9	53.0	53.0	53.1	53.1	53.2	53.3	53.3	53.4	53.4	53.5	53.5	53.6	53.7
15	56.3	56.4	56.4	56.5	56.6	56.6	56.7	56.7	56.8	56.9	56.9	57.0	57.1	57.1	57.2	57.2	57.3	57.4	57.4	57.5
16	60.1	60.1	60.2	60.3	60.3	60.4	60.5	60.5	60.6	60.7	60.7	60.8	60.9	60.9	61.0	61.1	61.1	61.2	61.3	61.3
17	63.8	63.9	64.0	64.0	64.1	64.2	64.2	64.3	64.4	64.5	64.5	64.6	64.7	64.7	64.8	64.9	65.0	65.0	65.1	65.2
18	67.6	67.6	67.7	67.8	67.9	67.9	68.0	68.1	68.2	68.2	68.3	68.4	68.5	68.5	68.6	68.7	68.8	68.8	68.9	69.0
19	71.3	71.4	71.5	71.6	71.6	71.7	71.8	71.9	72.0	72.0	72.1	72.2	72.3	72.4	72.4	72.5	72.6	72.7	72.8	72.8
20	75.1	75.2	75.2	75.3	75.4	75.5	75.6	75.7	75.7	75.8	75.9	76.0	76.1	76.2	76.2	76.3	76.4	76.5	76.6	76.7
21	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.1	80.2	80.3	80.4	80.5
22	82.6	82.7	82.8	82.9	83.0	83.0	83.1	83.2	83.3	83.4	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.1	84.2	84.3
23	86.3	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.3	87.4	87.5	87.6	87.7	87.8	87.9	88.0	88.1	88.2
24	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0

UT hrs	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0
1	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
3	11.5	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
4	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.7
5	19.2	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.6	19.6
6	23.0	23.0	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.5	23.5
7	26.9	26.9	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.4	27.4	27.4
8	30.7	30.7	30.8	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.0	31.1	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3
9	34.5	34.6	34.6	34.6	34.7	34.7	34.8	34.8	34.8	34.9	34.9	35.0	35.0	35.0	35.1	35.1	35.1	35.2	35.2	35.2
10	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.8	38.8	38.9	38.9	39.0	39.0	39.0	39.1	39.1	39.2
11	42.2	42.3	42.3	42.3	42.4	42.4	42.5	42.5	42.6	42.6	42.7	42.7	42.8	42.8	42.9	42.9	42.9	43.0	43.0	43.1
12	46.0	46.1	46.1	46.2	46.2	46.3	46.3	46.4	46.4	46.5	46.5	46.6	46.6	46.7	46.7	46.8	46.8	46.9	46.9	47.0
13	49.9	49.9	50.0	50.0	50.1	50.2	50.2	50.3	50.3	50.4	50.4	50.5	50.5	50.6	50.6	50.7	50.8	50.8	50.9	50.9
14	53.7	53.8	53.8	53.9	54.0	54.0	54.1	54.1	54.2	54.2	54.3	54.4	54.4	54.5	54.5	54.6	54.7	54.7	54.8	54.8
15	57.6	57.6	57.7	57.7	57.8	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.3	58.4	58.4	58.5	58.6	58.6	58.7	58.7
16	61.4	61.5	61.5	61.6	61.7	61.7	61.8	61.9	61.9	62.0	62.1	62.1	62.2	62.3	62.3	62.4	62.5	62.5	62.6	62.7
17	65.2	65.3	65.4	65.4	65.5	65.6	65.7	65.7	65.8	65.9	65.9	66.0	66.1	66.2	66.2	66.3	66.4	66.4	66.5	66.6
18	69.1	69.1	69.2	69.3	69.4	69.4	69.5	69.6	69.7	69.7	69.8	69.9	70.0	70.0	70.1	70.2	70.3	70.3	70.4	70.5
19	72.9	73.0	73.1	73.1	73.2	73.3	73.4	73.5	73.5	73.6	73.7	73.8	73.9	73.9	74.0	74.1	74.2	74.3	74.3	74.4
20	76.7	76.8	76.9	77.0	77.1	77.2	77.2	77.3	77.4	77.5	77.6	77.7	77.7	77.8	77.9	78.0	78.1	78.2	78.2	78.3
21	80.6	80.7	80.8	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2	82.2
22	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.1	85.2	85.2	85.3	85.4	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2
23	88.3	88.4	88.5	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1
24	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9	94.0

UT hrs	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0
1	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0
3	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.0
4	15.7	15.7	15.7	15.7	15.7	15.8	15.8	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.0
5	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.9	19.9	19.9	19.9	19.9	20.0	20.0	20.0
6	23.5	23.5	23.6	23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.9	23.9	23.9	23.9	24.0	24.0
7	27.4	27.5	27.5	27.5	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.8	27.8	27.8	27.9	27.9	27.9	27.9	28.0	28.0
8	31.4	31.4	31.4	31.5	31.5	31.5	31.6	31.6	31.6	31.7	31.7	31.7	31.8	31.8	31.8	31.9	31.9	31.9	32.0	32.0
9	35.3	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.6	35.6	35.7	35.7	35.7	35.8	35.8	35.8	35.9	35.9	36.0	36.0
10	39.2	39.2	39.3	39.3	39.4	39.4	39.5	39.5	39.5	39.6	39.6	39.7	39.7	39.7	39.8	39.8	39.9	39.9	40.0	40.0
11	43.1	43.2	43.2	43.3	43.3	43.4	43.4	43.4	43.5	43.5	43.6	43.6	43.7	43.7	43.8	43.8	43.9	43.9	44.0	44.0
12	47.0	47.1	47.1	47.2	47.2	47.3	47.3	47.4	47.4	47.5	47.5	47.6	47.6	47.7	47.7	47.8	47.8	47.9	47.9	48.0
13	51.0	51.0	51.1	51.1	51.2	51.2	51.3	51.3	51.4	51.5	51.5	51.6	51.6	51.7	51.7	51.8	51.8	51.9	51.9	52.0
14	54.9	54.9																		

Sun and Planets Increments

UT hrs	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0
1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.2
3	12.0	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
4	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.3
5	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.4	20.4	20.4	20.4
6	24.0	24.0	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.5	24.5
7	28.0	28.1	28.1	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.4	28.4	28.4	28.5	28.5	28.5	28.6	28.6
8	32.0	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.6	32.6	32.6	32.7
9	36.0	36.1	36.1	36.1	36.2	36.2	36.3	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.6	36.6	36.6	36.7	36.7	36.7
10	40.0	40.1	40.1	40.2	40.2	40.2	40.3	40.3	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.7	40.7	40.7	40.8	40.8
11	44.0	44.1	44.1	44.2	44.2	44.3	44.3	44.4	44.4	44.5	44.5	44.5	44.6	44.6	44.7	44.7	44.8	44.8	44.9	44.9
12	48.0	48.1	48.1	48.2	48.2	48.3	48.3	48.4	48.4	48.5	48.5	48.6	48.6	48.7	48.7	48.8	48.8	48.9	48.9	49.0
13	52.1	52.1	52.2	52.2	52.3	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.7	52.8	52.8	52.9	52.9	53.0	53.0	53.1
14	56.1	56.1	56.2	56.2	56.3	56.3	56.4	56.5	56.5	56.6	56.6	56.7	56.8	56.8	56.9	56.9	57.0	57.0	57.1	57.2
15	60.1	60.1	60.2	60.2	60.3	60.4	60.4	60.5	60.6	60.6	60.7	60.7	60.8	60.9	60.9	61.0	61.1	61.1	61.2	61.2
16	64.1	64.1	64.2	64.3	64.3	64.4	64.5	64.5	64.6	64.7	64.7	64.8	64.9	64.9	65.0	65.1	65.1	65.2	65.3	65.3
17	68.1	68.1	68.2	68.3	68.4	68.4	68.5	68.6	68.6	68.7	68.8	68.8	68.9	69.0	69.1	69.1	69.2	69.3	69.3	69.4
18	72.1	72.1	72.2	72.3	72.4	72.4	72.5	72.6	72.7	72.7	72.8	72.9	73.0	73.0	73.1	73.2	73.3	73.3	73.4	73.5
19	76.1	76.2	76.2	76.3	76.4	76.5	76.6	76.6	76.7	76.8	76.9	76.9	77.0	77.1	77.2	77.3	77.3	77.4	77.5	77.6
20	80.1	80.2	80.2	80.3	80.4	80.5	80.6	80.7	80.7	80.8	80.9	81.0	81.1	81.2	81.2	81.3	81.4	81.5	81.6	81.7
21	84.1	84.2	84.3	84.3	84.4	84.5	84.6	84.7	84.8	84.9	85.0	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.7
22	88.1	88.2	88.3	88.4	88.5	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3	89.4	89.5	89.6	89.6	89.7	89.8
23	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9	93.0	93.1	93.1	93.2	93.3	93.4	93.5	93.6	93.7	93.8	93.9
24	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0

UT hrs	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0
1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2
2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5
4	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.7
5	20.4	20.5	20.5	20.5	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.8	20.8	20.8	20.8
6	24.5	24.5	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	25.0	25.0
7	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.2
8	32.7	32.7	32.8	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.0	33.1	33.1	33.1	33.2	33.2	33.2	33.3	33.3	33.3
9	36.8	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.2	37.2	37.2	37.3	37.3	37.3	37.4	37.4	37.5	37.5
10	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.2	41.2	41.2	41.3	41.3	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.7
11	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.3	45.3	45.4	45.4	45.5	45.5	45.6	45.6	45.6	45.7	45.7	45.8	45.8
12	49.0	49.1	49.1	49.2	49.2	49.3	49.3	49.4	49.4	49.5	49.5	49.6	49.6	49.7	49.7	49.8	49.8	49.9	49.9	50.0
13	53.1	53.2	53.2	53.3	53.4	53.4	53.5	53.5	53.6	53.6	53.7	53.7	53.8	53.8	53.9	53.9	54.0	54.1	54.1	54.2
14	57.2	57.3	57.3	57.4	57.5	57.5	57.6	57.6	57.7	57.7	57.8	57.9	57.9	58.0	58.0	58.1	58.2	58.2	58.3	58.3
15	61.3	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.8	61.9	61.9	62.0	62.1	62.1	62.2	62.2	62.3	62.4	62.4	62.5
16	65.4	65.5	65.5	65.6	65.7	65.7	65.8	65.9	66.0	66.1	66.1	66.2	66.2	66.3	66.3	66.4	66.5	66.5	66.6	66.7
17	69.5	69.6	69.6	69.7	69.8	69.8	69.9	70.0	70.1	70.1	70.2	70.3	70.3	70.4	70.5	70.5	70.6	70.7	70.8	70.8
18	73.6	73.6	73.7	73.8	73.9	73.9	74.0	74.1	74.2	74.2	74.3	74.4	74.5	74.5	74.6	74.7	74.8	74.8	74.9	75.0
19	77.7	77.7	77.8	77.9	78.0	78.1	78.1	78.2	78.3	78.4	78.5	78.5	78.6	78.7	78.8	78.8	78.9	79.0	79.1	79.2
20	81.7	81.8	81.9	82.0	82.1	82.2	82.2	82.3	82.4	82.5	82.6	82.7	82.7	82.8	82.9	83.0	83.1	83.2	83.2	83.3
21	85.8	85.9	86.0	86.1	86.2	86.3	86.4	86.4	86.5	86.6	86.7	86.8	86.9	87.0	87.1	87.1	87.2	87.3	87.4	87.5
22	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7
23	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.4	95.5	95.6	95.7	95.8
24	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0

UT hrs	100.1	100.2	100.3	100.4	100.5	100.6	100.7	100.8	100.9	101.0	101.1	101.2	101.3	101.4	101.5	101.6	101.7	101.8	101.9	102.0
1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5
3	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
4	16.7	16.7	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.8	16.9	16.9	16.9	16.9	16.9	16.9	17.0	17.0	17.0
5	20.9	20.9	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2
6	25.0	25.0	25.1	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.4	25.4	25.4	25.4	25.5	25.5
7	29.2	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.6	29.6	29.6	29.7	29.7	29.7	29.7
8	33.4	33.4	33.4	33.5	33.5	33.5	33.6	33.6	33.6	33.7	33.7	33.7	33.8	33.8	33.8	33.9	33.9	33.9	34.0	34.0
9	37.5	37.6	37.6	37.6	37.7	37.7	37.8	37.8	37.8	37.9	37.9	37.9	38.0	38.0	38.1	38.1	38.1	38.2	38.2	38.2
10	41.7	41.7	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.1	42.1	42.2	42.2	42.2	42.3	42.3	42.4	42.4	42.5	42.5
11	45.9	45.9	46.0	46.0	46.1	46.1	46.2	46.2	46.3	46.3	46.4	46.4	46.4	46.5	46.5	46.6	46.6	46.7	46.7	46.7
12	50.0	50.1	50.1	50.2	50.2	50.3	50.3	50.4	50.4	50.5	50.5	50.6	50.6	50.7	50.7	50.8	50.8	50.9	50.9	51.0
13	54.2	54.3	54.3	54.4	54.4	54.5	54.5	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.0	55.0	55.1	55.1	55.2	55.2
1																				

Sun and Planets Increments

UT hrs	102.1	102.2	102.3	102.4	102.5	102.6	102.7	102.8	102.9	103.0	103.1	103.2	103.3	103.4	103.5	103.6	103.7	103.8	103.9	104.0
1	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.7
3	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.0	13.0	13.0	13.0
4	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3
5	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.7
6	25.5	25.5	25.6	25.6	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.9	25.9	25.9	25.9	26.0	26.0
7	29.8	29.8	29.8	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.3	30.3	30.3
8	34.0	34.1	34.1	34.1	34.2	34.2	34.2	34.3	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.6	34.6	34.6	34.7
9	38.3	38.3	38.4	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.9	38.9	39.0	39.0
10	42.5	42.6	42.6	42.7	42.7	42.7	42.8	42.8	42.9	42.9	43.0	43.0	43.0	43.1	43.1	43.2	43.2	43.2	43.3	43.3
11	46.8	46.8	46.9	46.9	47.0	47.0	47.1	47.1	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.5	47.5	47.6	47.6	47.7
12	51.0	51.1	51.1	51.2	51.2	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.6	51.7	51.7	51.8	51.8	51.9	51.9	52.0
13	55.3	55.4	55.4	55.5	55.5	55.5	55.6	55.7	55.7	55.8	55.8	55.9	56.0	56.0	56.1	56.1	56.2	56.2	56.3	56.3
14	59.6	59.6	59.7	59.7	59.8	59.8	59.9	60.0	60.0	60.1	60.1	60.2	60.3	60.3	60.4	60.4	60.5	60.5	60.6	60.7
15	63.8	63.9	63.9	64.0	64.1	64.1	64.2	64.2	64.3	64.4	64.4	64.5	64.6	64.6	64.7	64.7	64.8	64.9	64.9	65.0
16	68.1	68.1	68.2	68.3	68.3	68.4	68.5	68.5	68.6	68.7	68.7	68.8	68.9	68.9	69.0	69.1	69.1	69.2	69.3	69.3
17	72.3	72.4	72.5	72.5	72.6	72.7	72.7	72.8	72.9	73.0	73.0	73.1	73.2	73.2	73.3	73.4	73.5	73.5	73.6	73.7
18	76.6	76.6	76.7	76.8	76.9	76.9	77.0	77.1	77.2	77.2	77.3	77.4	77.5	77.5	77.6	77.7	77.8	77.8	77.9	78.0
19	80.8	80.9	81.0	81.1	81.1	81.2	81.3	81.4	81.5	81.5	81.6	81.7	81.8	81.9	81.9	82.0	82.1	82.2	82.3	82.3
20	85.1	85.2	85.2	85.3	85.4	85.5	85.6	85.7	85.7	85.8	85.9	86.0	86.1	86.2	86.2	86.3	86.4	86.5	86.6	86.7
21	89.3	89.4	89.5	89.6	89.7	89.8	89.9	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.6	90.7	90.8	90.9	91.0
22	93.6	93.7	93.8	93.9	94.0	94.0	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.1	95.2	95.3
23	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7
24	102.1	102.2	102.3	102.4	102.5	102.6	102.7	102.8	102.9	103.0	103.1	103.2	103.3	103.4	103.5	103.6	103.7	103.8	103.9	104.0

UT hrs	104.1	104.2	104.3	104.4	104.5	104.6	104.7	104.8	104.9	105.0	105.1	105.2	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0
1	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
3	13.0	13.0	13.0	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
4	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.7
5	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	22.0	22.0	22.0	22.0	22.0	22.1	22.1
6	26.0	26.0	26.1	26.1	26.1	26.1	26.2	26.2	26.2	26.3	26.3	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.5	26.5
7	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.8	30.8	30.8	30.9	30.9	30.9
8	34.7	34.7	34.8	34.8	34.8	34.9	34.9	34.9	35.0	35.0	35.0	35.1	35.1	35.1	35.2	35.2	35.2	35.3	35.3	35.3
9	39.0	39.1	39.1	39.1	39.2	39.2	39.3	39.3	39.3	39.4	39.4	39.5	39.5	39.5	39.6	39.6	39.6	39.7	39.7	39.7
10	43.4	43.4	43.5	43.5	43.5	43.6	43.6	43.7	43.7	43.7	43.8	43.8	43.9	43.9	44.0	44.0	44.0	44.1	44.1	44.2
11	47.7	47.8	47.8	47.8	47.9	47.9	48.0	48.0	48.1	48.1	48.2	48.2	48.3	48.3	48.4	48.4	48.4	48.5	48.5	48.6
12	52.0	52.1	52.1	52.2	52.2	52.3	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.7	52.7	52.8	52.8	52.9	52.9	53.0
13	56.4	56.4	56.5	56.5	56.6	56.7	56.7	56.8	56.8	56.9	56.9	57.0	57.0	57.1	57.1	57.2	57.3	57.3	57.4	57.4
14	60.7	60.8	60.8	60.9	61.0	61.0	61.1	61.1	61.2	61.2	61.3	61.4	61.4	61.5	61.5	61.6	61.7	61.7	61.8	61.8
15	65.1	65.1	65.2	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.7	65.7	65.8	65.9	65.9	66.0	66.1	66.1	66.2	66.2
16	69.4	69.5	69.5	69.6	69.7	69.7	69.8	69.9	69.9	70.0	70.1	70.1	70.2	70.3	70.3	70.4	70.5	70.5	70.6	70.7
17	73.7	73.8	73.9	73.9	74.0	74.1	74.2	74.2	74.3	74.4	74.4	74.5	74.6	74.7	74.7	74.8	74.9	74.9	75.0	75.1
18	78.1	78.1	78.2	78.3	78.4	78.4	78.5	78.6	78.7	78.7	78.8	78.9	79.0	79.0	79.1	79.2	79.3	79.3	79.4	79.5
19	82.4	82.5	82.6	82.6	82.7	82.8	82.9	83.0	83.0	83.1	83.2	83.3	83.4	83.4	83.5	83.6	83.7	83.8	83.8	83.9
20	86.7	86.8	86.9	87.0	87.1	87.2	87.2	87.3	87.4	87.5	87.6	87.7	87.7	87.8	87.9	88.0	88.1	88.2	88.2	88.3
21	91.1	91.2	91.3	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.7
22	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
23	99.8	99.9	100.0	100.0	100.1	100.2	100.3	100.4	100.5	100.6	100.7	100.8	100.9	101.0	101.1	101.2	101.3	101.4	101.5	101.6
24	104.1	104.2	104.3	104.4	104.5	104.6	104.7	104.8	104.9	105.0	105.1	105.2	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0

UT hrs	106.1	106.2	106.3	106.4	106.5	106.6	106.7	106.8	106.9	107.0	107.1	107.2	107.3	107.4	107.5	107.6	107.7	107.8	107.9	108.0
1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.0
3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.5
4	17.7	17.7	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.9	18.0	18.0	18.0
5	22.1	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.4	22.5	22.5	22.5
6	26.5	26.5	26.6	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.8	26.8	26.8	26.8	26.9	26.9	26.9	26.9	27.0	27.0
7	30.9	31.0	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.4	31.4	31.4	31.5	31.5	31.5
8	35.4	35.4	35.4	35.5	35.5	35.5	35.6	35.6	35.6	35.7	35.7	35.7	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0
9	39.8	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.1	40.1	40.2	40.2	40.2	40.3	40.3	40.3	40.4	40.4	40.5	40.5
10	44.2	44.2	44.3	44.3	44.4	44.4	44.5	44.5	44.5	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.9	44.9	45.0	45.0
11	48.6	48.7	48.7	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.1	49.1	49.2	49.2	49.3	49.3	49.4	49.4	49.5	49.5
12	53.0	53.1	53.1	53.2	53.2	53.3	53.3	53.4	53.4	53.5	53.5	53.6	53.6	53.7	53.7	53.8	53.8	53.9	53.9	54.0
13	57.5	57.5	57.6	57.6	57.7	57.7	57.8	57.8	57.9	58.0										

Sun and Planets Increments

UT hrs	108.1	108.2	108.3	108.4	108.5	108.6	108.7	108.8	108.9	109.0	109.1	109.2	109.3	109.4	109.5	109.6	109.7	109.8	109.9	110.0
1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2	9.0	9.0	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
3	13.5	13.5	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
4	18.0	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.3	18.3	18.3	18.3	18.3
5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9
6	27.0	27.0	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.5	27.5
7	31.5	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.9	31.9	31.9	32.0	32.0	32.0	32.1	32.1
8	36.0	36.1	36.1	36.1	36.2	36.2	36.2	36.3	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.6	36.6	36.6	36.7
9	40.5	40.6	40.6	40.6	40.7	40.7	40.8	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2
10	45.0	45.1	45.1	45.2	45.2	45.2	45.3	45.3	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.7	45.7	45.7	45.8	45.8
11	49.5	49.6	49.6	49.7	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.3	50.3	50.4	50.4
12	54.0	54.1	54.1	54.2	54.2	54.3	54.3	54.4	54.4	54.5	54.5	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.0
13	58.6	58.6	58.7	58.7	58.8	58.8	58.9	58.9	59.0	59.0	59.1	59.1	59.2	59.3	59.3	59.4	59.4	59.5	59.5	59.6
14	63.1	63.1	63.2	63.2	63.3	63.3	63.4	63.5	63.5	63.6	63.6	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.1	64.2
15	67.6	67.6	67.7	67.7	67.8	67.9	67.9	68.0	68.1	68.1	68.2	68.2	68.3	68.4	68.4	68.5	68.6	68.6	68.7	68.7
16	72.1	72.1	72.2	72.3	72.3	72.4	72.5	72.5	72.6	72.7	72.7	72.8	72.9	72.9	73.0	73.1	73.1	73.2	73.3	73.3
17	76.6	76.6	76.7	76.8	76.9	76.9	77.0	77.1	77.1	77.2	77.3	77.3	77.4	77.5	77.6	77.6	77.7	77.8	77.8	77.9
18	81.1	81.1	81.2	81.3	81.4	81.4	81.5	81.6	81.7	81.7	81.8	81.9	82.0	82.0	82.1	82.2	82.3	82.3	82.4	82.5
19	85.6	85.7	85.7	85.8	85.9	86.0	86.1	86.1	86.2	86.3	86.4	86.4	86.5	86.6	86.7	86.8	86.8	86.9	87.0	87.1
20	90.1	90.2	90.2	90.3	90.4	90.5	90.6	90.7	90.7	90.8	90.9	91.0	91.1	91.2	91.2	91.3	91.4	91.5	91.6	91.7
21	94.6	94.7	94.8	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.2
22	99.1	99.2	99.3	99.4	99.5	99.5	99.6	99.7	99.8	99.9	100.0	100.1	100.2	100.3	100.4	100.5	100.6	100.6	100.7	100.8
23	103.6	103.7	103.8	103.9	104.0	104.1	104.2	104.3	104.4	104.5	104.6	104.6	104.7	104.8	104.9	105.0	105.1	105.2	105.3	105.4
24	108.1	108.2	108.3	108.4	108.5	108.6	108.7	108.8	108.9	109.0	109.1	109.2	109.3	109.4	109.5	109.6	109.7	109.8	109.9	110.0

UT hrs	110.1	110.2	110.3	110.4	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.7	111.8	111.9	112.0
1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7
2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
3	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	14.0	14.0	14.0	14.0
4	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.7
5	22.9	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3
6	27.5	27.5	27.6	27.6	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.9	27.9	27.9	27.9	28.0	28.0
7	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.6	32.6	32.6	32.7
8	36.7	36.7	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.3	37.3	37.3
9	41.3	41.3	41.4	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.9	41.9	42.0	42.0
10	45.9	45.9	46.0	46.0	46.0	46.1	46.1	46.2	46.2	46.2	46.3	46.3	46.4	46.4	46.5	46.5	46.5	46.6	46.6	46.7
11	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.8	50.8	50.9	50.9	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.3	51.3
12	55.0	55.1	55.1	55.2	55.2	55.3	55.3	55.4	55.4	55.5	55.5	55.6	55.6	55.7	55.7	55.8	55.8	55.9	55.9	56.0
13	59.6	59.7	59.7	59.8	59.9	59.9	60.0	60.0	60.1	60.1	60.2	60.2	60.3	60.3	60.4	60.4	60.5	60.6	60.6	60.7
14	64.2	64.3	64.3	64.4	64.5	64.5	64.6	64.6	64.7	64.7	64.8	64.9	64.9	65.0	65.0	65.1	65.2	65.2	65.3	65.3
15	68.8	68.9	68.9	69.0	69.1	69.1	69.2	69.2	69.3	69.4	69.4	69.5	69.6	69.6	69.7	69.7	69.8	69.9	69.9	70.0
16	73.4	73.5	73.5	73.6	73.7	73.7	73.8	73.9	74.0	74.1	74.1	74.2	74.3	74.3	74.4	74.5	74.5	74.6	74.7	74.7
17	78.0	78.1	78.1	78.2	78.3	78.3	78.4	78.5	78.6	78.6	78.7	78.8	78.8	78.9	79.0	79.0	79.1	79.2	79.3	79.3
18	82.6	82.6	82.7	82.8	82.9	82.9	83.0	83.1	83.2	83.2	83.3	83.4	83.5	83.5	83.6	83.7	83.8	83.8	83.9	84.0
19	87.2	87.2	87.3	87.4	87.5	87.6	87.6	87.7	87.8	87.9	88.0	88.0	88.1	88.2	88.3	88.3	88.4	88.5	88.6	88.7
20	91.7	91.8	91.9	92.0	92.1	92.2	92.2	92.3	92.4	92.5	92.6	92.7	92.7	92.8	92.9	93.0	93.1	93.2	93.2	93.3
21	96.3	96.4	96.5	96.6	96.7	96.8	96.9	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.6	97.7	97.8	97.9	98.0
22	100.9	101.0	101.1	101.2	101.3	101.4	101.5	101.6	101.7	101.7	101.8	101.9	102.0	102.1	102.2	102.3	102.4	102.5	102.6	102.7
23	105.5	105.6	105.7	105.8	105.9	106.0	106.1	106.2	106.3	106.4	106.5	106.6	106.7	106.8	106.9	107.0	107.1	107.2	107.3	107.3
24	110.1	110.2	110.3	110.4	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.7	111.8	111.9	112.0

UT hrs	112.1	112.2	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7	113.8	113.9	114.0
1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2	9.3	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5
3	14.0	14.0	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
4	18.7	18.7	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	18.9	18.9	19.0	19.0	19.0
5	23.4	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.7
6	28.0	28.0	28.1	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.4	28.4	28.4	28.4	28.5	28.5
7	32.7	32.7	32.8	32.8	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.0	33.0	33.1	33.1	33.1	33.2	33.2	33.2	33.2
8	37.4	37.4	37.4	37.5	37.5	37.5	37.6	37.6	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.9	37.9	37.9	38.0	38.0
9	42.0	42.1	42.1	42.1	42.2	42.2	42.3	42.3	42.3	42.4	42.4	42.4	42.5	42.5	42.6	42.6	42.6	42.7	42.7	42.7
10	46.7	46.7	46.8	46.8	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.4	47.4	47.5	47.5
11	51.4	51.4	51.5	51.5	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.9	51.9	52.0	52.0	52.1	52.1	52.2	52.2	52.2
12	56.0	56.1	56.1	56.2	56.2	56.3	56.3	56.4	56.4	56.5	56.5	56.6	56.6	56.7	56.7	56.8	56.8	56.9	56.9	57.0
13	60.7	60.8	60.8	60.9	60															

Sun and Planets Increments

UT hrs	114.1	114.2	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0
1	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.7
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	14.4	14.4	14.4	14.5	14.5	14.5	14.5
4	19.0	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.3
5	23.8	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.2
6	28.5	28.5	28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.9	28.9	28.9	28.9	29.0	29.0
7	33.3	33.3	33.3	33.4	33.4	33.4	33.5	33.5	33.5	33.6	33.6	33.6	33.6	33.7	33.7	33.7	33.7	33.8	33.8	33.8
8	38.0	38.1	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.3	38.4	38.4	38.4	38.5	38.5	38.5	38.6	38.6	38.6	38.7
9	42.8	42.8	42.9	42.9	42.9	43.0	43.0	43.0	43.1	43.1	43.2	43.2	43.2	43.3	43.3	43.3	43.4	43.4	43.5	43.5
10	47.5	47.6	47.6	47.7	47.7	47.7	47.8	47.8	47.9	47.9	48.0	48.0	48.0	48.1	48.1	48.2	48.2	48.2	48.3	48.3
11	52.3	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.7	52.7	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.1	53.1	53.2
12	57.0	57.1	57.1	57.2	57.2	57.3	57.3	57.4	57.4	57.5	57.5	57.6	57.6	57.7	57.7	57.8	57.8	57.9	57.9	58.0
13	61.8	61.9	61.9	62.0	62.0	62.1	62.1	62.2	62.2	62.3	62.3	62.4	62.5	62.5	62.6	62.6	62.7	62.7	62.8	62.8
14	66.6	66.6	66.7	66.7	66.8	66.8	66.9	67.0	67.0	67.1	67.1	67.2	67.3	67.3	67.4	67.4	67.5	67.5	67.6	67.7
15	71.3	71.4	71.4	71.5	71.6	71.6	71.7	71.7	71.8	71.9	71.9	72.0	72.1	72.1	72.2	72.2	72.3	72.4	72.4	72.5
16	76.1	76.1	76.2	76.3	76.3	76.4	76.5	76.5	76.6	76.7	76.7	76.8	76.9	76.9	77.0	77.1	77.1	77.2	77.3	77.3
17	80.8	80.9	81.0	81.0	81.1	81.2	81.2	81.3	81.4	81.5	81.5	81.6	81.7	81.7	81.8	81.9	82.0	82.0	82.1	82.2
18	85.6	85.6	85.7	85.8	85.9	85.9	86.0	86.1	86.2	86.2	86.3	86.4	86.5	86.5	86.6	86.7	86.8	86.8	86.9	87.0
19	90.3	90.4	90.5	90.6	90.6	90.7	90.8	90.9	91.0	91.0	91.1	91.2	91.3	91.4	91.4	91.5	91.6	91.7	91.8	91.8
20	95.1	95.2	95.2	95.3	95.4	95.5	95.6	95.7	95.7	95.8	95.9	96.0	96.1	96.2	96.2	96.3	96.4	96.5	96.6	96.7
21	99.8	99.9	100.0	100.1	100.2	100.3	100.4	100.4	100.5	100.6	100.7	100.8	100.9	101.0	101.1	101.1	101.2	101.3	101.4	101.5
22	104.6	104.7	104.8	104.9	105.0	105.0	105.1	105.2	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0	106.1	106.1	106.2	106.3
23	109.3	109.4	109.5	109.6	109.7	109.8	109.9	110.0	110.1	110.2	110.3	110.4	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2
24	114.1	114.2	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0

UT hrs	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	117.8	117.9	118.0
1	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
3	14.5	14.5	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
4	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.5	19.6	19.6	19.6	19.6	19.6	19.6	19.7
5	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.6	24.6
6	29.0	29.0	29.1	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.5	29.5
7	33.9	33.9	33.9	33.9	34.0	34.0	34.0	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.4	34.4	34.4
8	38.7	38.7	38.8	38.8	38.8	38.9	38.9	38.9	39.0	39.0	39.0	39.1	39.1	39.1	39.2	39.2	39.2	39.3	39.3	39.3
9	43.5	43.6	43.6	43.6	43.7	43.7	43.8	43.8	43.8	43.9	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.2	44.2	44.2
10	48.4	48.4	48.5	48.5	48.5	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.2
11	53.2	53.3	53.3	53.3	53.4	53.4	53.5	53.5	53.6	53.6	53.7	53.7	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.1
12	58.0	58.1	58.1	58.2	58.2	58.3	58.3	58.4	58.4	58.5	58.5	58.6	58.6	58.7	58.7	58.8	58.8	58.9	58.9	59.0
13	62.9	62.9	63.0	63.0	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.5	63.5	63.6	63.6	63.7	63.8	63.8	63.9	63.9
14	67.7	67.8	67.8	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.4	68.4	68.5	68.5	68.6	68.7	68.7	68.8	68.8
15	72.6	72.6	72.7	72.7	72.8	72.9	72.9	73.0	73.1	73.1	73.2	73.2	73.3	73.4	73.4	73.5	73.6	73.6	73.7	73.7
16	77.4	77.5	77.5	77.6	77.7	77.7	77.8	77.9	78.0	78.1	78.1	78.2	78.3	78.3	78.4	78.5	78.5	78.6	78.7	78.7
17	82.2	82.3	82.4	82.4	82.5	82.6	82.7	82.7	82.8	82.9	82.9	83.0	83.1	83.2	83.2	83.3	83.4	83.4	83.5	83.6
18	87.1	87.1	87.2	87.3	87.4	87.4	87.5	87.6	87.7	87.7	87.8	87.9	88.0	88.0	88.1	88.2	88.3	88.3	88.4	88.5
19	91.9	92.0	92.1	92.1	92.2	92.3	92.4	92.5	92.5	92.6	92.7	92.8	92.9	92.9	93.0	93.1	93.2	93.3	93.3	93.4
20	96.7	96.8	96.9	97.0	97.1	97.2	97.2	97.3	97.4	97.5	97.6	97.7	97.7	97.8	97.9	98.0	98.1	98.2	98.2	98.3
21	101.6	101.7	101.8	101.8	101.9	102.0	102.1	102.2	102.3	102.4	102.5	102.5	102.6	102.7	102.8	102.9	103.0	103.1	103.2	103.2
22	106.4	106.5	106.6	106.7	106.8	106.9	107.0	107.1	107.2	107.2	107.3	107.4	107.5	107.6	107.7	107.8	107.9	108.0	108.1	108.2
23	111.3	111.4	111.5	111.5	111.6	111.7	111.8	111.9	112.0	112.1	112.2	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	113.1
24	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	117.8	117.9	118.0

UT hrs	118.1	118.2	118.3	118.4	118.5	118.6	118.7	118.8	118.9	119.0	119.1	119.2	119.3	119.4	119.5	119.6	119.7	119.8	119.9	120.0
1	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0
3	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	15.0	15.0	15.0
4	19.7	19.7	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.8	19.9	19.9	19.9	19.9	19.9	19.9	20.0	20.0	20.0
5	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0
6	29.5	29.5	29.6	29.6	29.6	29.6	29.7	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.9	29.9	29.9	29.9	30.0	30.0
7	34.4	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8	34.8	34.8	34.9	34.9	34.9	34.9	35.0	35.0
8	39.4	39.4	39.4	39.5	39.5	39.5	39.6	39.6	39.6	39.7	39.7	39.7	39.8	39.8	39.8	39.9	39.9	39.9	40.0	40.0
9	44.3	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.8	44.9	44.9	45.0	45.0
10	49.2	49.2	49.3	49.3	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.9	49.9	50.0	50.0
11	54.1	54.2	54.2	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.0	55.0
12	59.0	59.1	59.1	59.2	59.2	59.3	59.3	59.4	59.4	59.5	59.5	59.6	59.6	59.7	59.7	59.8	59.8	59.9	59.9	60.0</

Sun and Planets Increments

UT hrs	120.1	120.2	120.3	120.4	120.5	120.6	120.7	120.8	120.9	121.0	121.1	121.2	121.3	121.4	121.5	121.6	121.7	121.8	121.9	122.0
1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
2	10.0	10.0	10.0	10.0	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.2	10.2
3	15.0	15.0	15.0	15.0	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
4	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.3
5	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.4	25.4	25.4	25.4
6	30.0	30.0	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.5	30.5
7	35.0	35.1	35.1	35.1	35.1	35.2	35.2	35.2	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.6	35.6
8	40.0	40.1	40.1	40.1	40.2	40.2	40.2	40.3	40.3	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.7
9	45.0	45.1	45.1	45.1	45.2	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.5	45.5	45.6	45.6	45.6	45.7	45.7	45.7
10	50.0	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.4	50.4	50.5	50.5	50.5	50.6	50.6	50.7	50.7	50.7	50.8	50.8
11	55.0	55.1	55.1	55.2	55.2	55.3	55.3	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.7	55.7	55.8	55.8	55.9	55.9
12	60.0	60.1	60.1	60.2	60.2	60.3	60.3	60.4	60.4	60.5	60.5	60.6	60.6	60.7	60.7	60.8	60.8	60.9	60.9	61.0
13	65.1	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.5	65.5	65.6	65.6	65.7	65.8	65.8	65.9	65.9	66.0	66.0	66.1
14	70.1	70.1	70.2	70.2	70.3	70.3	70.4	70.5	70.5	70.6	70.6	70.7	70.8	70.8	70.9	70.9	71.0	71.0	71.1	71.2
15	75.1	75.1	75.2	75.2	75.3	75.4	75.4	75.5	75.6	75.6	75.7	75.7	75.8	75.9	75.9	76.0	76.1	76.1	76.2	76.2
16	80.1	80.1	80.2	80.3	80.3	80.4	80.5	80.5	80.6	80.7	80.7	80.8	80.9	80.9	81.0	81.1	81.1	81.2	81.3	81.3
17	85.1	85.1	85.2	85.3	85.4	85.4	85.5	85.6	85.6	85.7	85.8	85.8	85.9	86.0	86.1	86.1	86.2	86.3	86.3	86.4
18	90.1	90.1	90.2	90.3	90.4	90.4	90.5	90.6	90.7	90.7	90.8	90.9	91.0	91.0	91.1	91.2	91.3	91.3	91.4	91.5
19	95.1	95.2	95.2	95.3	95.4	95.5	95.6	95.6	95.7	95.8	95.9	95.9	96.0	96.1	96.2	96.3	96.3	96.4	96.5	96.6
20	100.1	100.2	100.2	100.3	100.4	100.5	100.6	100.7	100.7	100.8	100.9	101.0	101.1	101.2	101.2	101.3	101.4	101.5	101.6	101.7
21	105.1	105.2	105.3	105.3	105.4	105.5	105.6	105.7	105.8	105.9	106.0	106.0	106.1	106.2	106.3	106.4	106.5	106.6	106.7	106.7
22	110.1	110.2	110.3	110.4	110.5	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.6	111.7	111.8
23	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0	116.1	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9
24	120.1	120.2	120.3	120.4	120.5	120.6	120.7	120.8	120.9	121.0	121.1	121.2	121.3	121.4	121.5	121.6	121.7	121.8	121.9	122.0

UT hrs	122.1	122.2	122.3	122.4	122.5	122.6	122.7	122.8	122.9	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.8	123.9	124.0
1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2
2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.5	15.5	15.5	15.5
4	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.7
5	25.4	25.5	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.8	25.8	25.8	25.8
6	30.5	30.5	30.6	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.9	30.9	30.9	30.9	31.0	31.0
7	35.6	35.6	35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.2
8	40.7	40.7	40.8	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2	41.3	41.3	41.3
9	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.1	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.4	46.4	46.5	46.5
10	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.7
11	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.3	56.3	56.4	56.4	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.8	56.8
12	61.0	61.1	61.1	61.2	61.2	61.3	61.3	61.4	61.4	61.5	61.5	61.6	61.6	61.7	61.7	61.8	61.8	61.9	61.9	62.0
13	66.1	66.2	66.2	66.3	66.4	66.4	66.5	66.5	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9	67.0	67.1	67.1	67.2
14	71.2	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.7	71.7	71.8	71.9	71.9	72.0	72.0	72.1	72.2	72.2	72.3	72.3
15	76.3	76.4	76.4	76.5	76.6	76.6	76.7	76.7	76.8	76.9	76.9	77.0	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.5
16	81.4	81.5	81.5	81.6	81.7	81.7	81.8	81.9	81.9	82.0	82.1	82.1	82.2	82.3	82.3	82.4	82.5	82.5	82.6	82.7
17	86.5	86.6	86.6	86.7	86.8	86.8	86.9	87.0	87.1	87.1	87.2	87.3	87.3	87.4	87.5	87.5	87.6	87.7	87.8	87.8
18	91.6	91.6	91.7	91.8	91.9	91.9	92.0	92.1	92.2	92.2	92.3	92.4	92.5	92.5	92.6	92.7	92.8	92.8	92.9	93.0
19	96.7	96.7	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.4	97.5	97.5	97.6	97.7	97.8	97.8	97.9	98.0	98.1	98.2
20	101.7	101.8	101.9	102.0	102.1	102.2	102.2	102.3	102.4	102.5	102.6	102.7	102.7	102.8	102.9	103.0	103.1	103.2	103.2	103.3
21	106.8	106.9	107.0	107.1	107.2	107.3	107.4	107.4	107.5	107.6	107.7	107.8	107.9	108.0	108.1	108.1	108.2	108.3	108.4	108.5
22	111.9	112.0	112.1	112.2	112.3	112.4	112.5	112.6	112.7	112.7	112.8	112.9	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7
23	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	117.8	117.9	118.0	118.1	118.2	118.3	118.4	118.4	118.5	118.6	118.7	118.8
24	122.1	122.2	122.3	122.4	122.5	122.6	122.7	122.8	122.9	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.8	123.9	124.0

UT hrs	124.1	124.2	124.3	124.4	124.5	124.6	124.7	124.8	124.9	125.0	125.1	125.2	125.3	125.4	125.5	125.6	125.7	125.8	125.9	126.0
1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5
3	15.5	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7
4	20.7	20.7	20.7	20.7	20.7	20.8	20.8	20.8	20.8	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	21.0	21.0	21.0
5	25.9	25.9	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.1	26.1	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2
6	31.0	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.5	31.5
7	36.2	36.2	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.6	36.6	36.6	36.7	36.7	36.7	36.7
8	41.4	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.9	41.9	41.9	42.0	42.0
9	46.5	46.6	46.6	46.6	46.7	46.7	46.8	46.8	46.8	46.9	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2
10	51.7	51.7	51.8	51.8	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.4	52.4	52.5	52.5
11	56.9	56.9	57.0	57.0	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.4	57.4	57.5	57.5	57.6	57.6	57.7	57.7	57.7
12	62.0	62.1	62.1	62.2	62.2	62.3	62.3	62.4	62.4											

Sun and Planets Increments

UT hrs	126.1	126.2	126.3	126.4	126.5	126.6	126.7	126.8	126.9	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.8	127.9	128.0
1	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
2	10.5	10.5	10.5	10.5	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7
3	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.0
4	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3
5	26.3	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.7
6	31.5	31.5	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.9	31.9	31.9	31.9	32.0	32.0
7	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.3	37.3	37.3
8	42.0	42.1	42.1	42.1	42.2	42.2	42.2	42.3	42.3	42.3	42.4	42.4	42.4	42.5	42.5	42.5	42.6	42.6	42.6	42.7
9	47.3	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.7	47.7	47.7	47.8	47.8	47.8	47.9	47.9	48.0	48.0
10	52.5	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.3	53.3
11	57.8	57.8	57.9	57.9	58.0	58.0	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.5	58.5	58.6	58.6	58.7
12	63.0	63.1	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.5	63.5	63.6	63.6	63.7	63.7	63.8	63.8	63.9	63.9	64.0
13	68.3	68.4	68.4	68.5	68.5	68.6	68.6	68.7	68.7	68.8	68.8	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.3	69.3
14	73.6	73.6	73.7	73.7	73.8	73.8	73.9	74.0	74.0	74.1	74.1	74.2	74.3	74.3	74.4	74.4	74.5	74.5	74.6	74.7
15	78.8	78.9	78.9	79.0	79.1	79.1	79.2	79.2	79.3	79.4	79.4	79.5	79.6	79.6	79.7	79.7	79.8	79.9	79.9	80.0
16	84.1	84.1	84.2	84.3	84.3	84.4	84.5	84.5	84.6	84.7	84.7	84.8	84.9	84.9	85.0	85.1	85.1	85.2	85.3	85.3
17	89.3	89.4	89.5	89.5	89.6	89.7	89.7	89.8	89.9	90.0	90.0	90.1	90.2	90.2	90.3	90.4	90.5	90.5	90.6	90.7
18	94.6	94.6	94.7	94.8	94.9	94.9	95.0	95.1	95.2	95.2	95.3	95.4	95.5	95.5	95.6	95.7	95.8	95.8	95.9	96.0
19	99.8	99.9	100.0	100.1	100.1	100.2	100.3	100.4	100.5	100.5	100.6	100.7	100.8	100.9	100.9	101.0	101.1	101.2	101.3	101.3
20	105.1	105.2	105.2	105.3	105.4	105.5	105.6	105.7	105.7	105.8	105.9	106.0	106.1	106.2	106.2	106.3	106.4	106.5	106.6	106.7
21	110.3	110.4	110.5	110.6	110.7	110.8	110.9	110.9	111.0	111.1	111.2	111.3	111.4	111.5	111.6	111.6	111.7	111.8	111.9	112.0
22	115.6	115.7	115.8	115.9	116.0	116.0	116.1	116.2	116.3	116.4	116.5	116.6	116.7	116.8	116.9	117.0	117.1	117.1	117.2	117.3
23	120.8	120.9	121.0	121.1	121.2	121.3	121.4	121.5	121.6	121.7	121.8	121.9	122.0	122.1	122.2	122.3	122.4	122.5	122.6	122.7
24	126.1	126.2	126.3	126.4	126.5	126.6	126.7	126.8	126.9	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.8	127.9	128.0

UT hrs	128.1	128.2	128.3	128.4	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	130.0
1	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
3	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
4	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.7
5	26.7	26.7	26.7	26.7	26.8	26.8	26.8	26.8	26.9	26.9	26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.1	27.1
6	32.0	32.0	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.5	32.5
7	37.4	37.4	37.4	37.4	37.5	37.5	37.5	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.9	37.9	37.9
8	42.7	42.7	42.8	42.8	42.8	42.9	42.9	42.9	43.0	43.0	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.3	43.3	43.3
9	48.0	48.1	48.1	48.1	48.2	48.2	48.3	48.3	48.3	48.4	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.7	48.7	48.7
10	53.4	53.4	53.5	53.5	53.5	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.2
11	58.7	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.1	59.1	59.2	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6
12	64.0	64.1	64.1	64.2	64.2	64.3	64.3	64.4	64.4	64.5	64.5	64.6	64.6	64.7	64.7	64.8	64.8	64.9	64.9	65.0
13	69.4	69.4	69.5	69.5	69.6	69.7	69.7	69.8	69.8	69.9	69.9	70.0	70.0	70.1	70.1	70.2	70.3	70.3	70.4	70.4
14	74.7	74.8	74.8	74.9	75.0	75.0	75.1	75.1	75.2	75.2	75.3	75.4	75.4	75.5	75.5	75.6	75.7	75.7	75.8	75.8
15	80.1	80.1	80.2	80.2	80.3	80.4	80.4	80.5	80.6	80.6	80.7	80.7	80.8	80.9	80.9	81.0	81.1	81.1	81.2	81.2
16	85.4	85.5	85.5	85.6	85.7	85.7	85.8	85.9	85.9	86.0	86.1	86.1	86.2	86.3	86.3	86.4	86.5	86.5	86.6	86.7
17	90.7	90.8	90.9	90.9	91.0	91.1	91.2	91.2	91.3	91.4	91.4	91.5	91.6	91.7	91.7	91.8	91.9	91.9	92.0	92.1
18	96.1	96.1	96.2	96.3	96.4	96.4	96.5	96.6	96.7	96.7	96.8	96.9	97.0	97.0	97.1	97.2	97.3	97.3	97.4	97.5
19	101.4	101.5	101.6	101.6	101.7	101.8	101.9	102.0	102.0	102.1	102.2	102.3	102.4	102.4	102.5	102.6	102.7	102.8	102.8	102.9
20	106.7	106.8	106.9	107.0	107.1	107.2	107.2	107.3	107.4	107.5	107.6	107.7	107.7	107.8	107.9	108.0	108.1	108.2	108.2	108.3
21	112.1	112.2	112.3	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7	113.7
22	117.4	117.5	117.6	117.7	117.8	117.9	118.0	118.1	118.2	118.2	118.3	118.4	118.5	118.6	118.7	118.8	118.9	119.0	119.1	119.2
23	122.8	122.9	123.0	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.8	123.9	124.0	124.1	124.2	124.3	124.4	124.5	124.6
24	128.1	128.2	128.3	128.4	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	130.0

UT hrs	130.1	130.2	130.3	130.4	130.5	130.6	130.7	130.8	130.9	131.0	131.1	131.2	131.3	131.4	131.5	131.6	131.7	131.8	131.9	132.0
1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2	10.8	10.8	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0
3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.5
4	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.9	22.0	22.0	22.0
5	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.5	27.5	27.5
6	32.5	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	33.0	33.0
7	37.9	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.5	38.5
8	43.4	43.4	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.8	43.8	43.8	43.9	43.9	43.9	44.0	44.0
9	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.5	49.5
10	54.2	54.2	54.3	54.3	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.9	54.9	55.0	55.0
11	59.6	59.7	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.1	60.1	60.2	60.2	60.3	60.3	60.4	60.4	60.5	60.5
12	65.0	65.1	65.1	65.2	65.2															

Sun and Planets Increments

UT hrs	132.1	132.2	132.3	132.4	132.5	132.6	132.7	132.8	132.9	133.0	133.1	133.2	133.3	133.4	133.5	133.6	133.7	133.8	133.9	134.0
1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.2
3	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
4	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.3	22.3	22.3	22.3
5	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	27.8	27.8	27.8	27.8	27.9	27.9	27.9	27.9
6	33.0	33.0	33.1	33.1	33.1	33.1	33.2	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.4	33.4	33.4	33.4	33.5	33.5
7	38.5	38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.9	38.9	38.9	39.0	39.0	39.0	39.1	39.1
8	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.6	44.6	44.6	44.7
9	49.5	49.6	49.6	49.6	49.7	49.7	49.8	49.8	49.8	49.9	49.9	49.9	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.2
10	55.0	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.7	55.7	55.7	55.8	55.8
11	60.5	60.6	60.6	60.7	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.2	61.2	61.3	61.3	61.4	61.4
12	66.0	66.1	66.1	66.2	66.2	66.3	66.3	66.4	66.4	66.5	66.5	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9	67.0
13	71.6	71.6	71.7	71.7	71.8	71.8	71.9	71.9	72.0	72.0	72.1	72.1	72.2	72.3	72.3	72.4	72.4	72.5	72.5	72.6
14	77.1	77.1	77.2	77.2	77.3	77.3	77.4	77.5	77.5	77.6	77.6	77.7	77.8	77.8	77.9	77.9	78.0	78.0	78.1	78.2
15	82.6	82.6	82.7	82.7	82.8	82.9	82.9	83.0	83.1	83.1	83.2	83.2	83.3	83.4	83.4	83.5	83.6	83.6	83.7	83.7
16	88.1	88.1	88.2	88.3	88.3	88.4	88.5	88.5	88.6	88.7	88.7	88.8	88.9	88.9	89.0	89.1	89.1	89.2	89.3	89.3
17	93.6	93.6	93.7	93.8	93.9	93.9	94.0	94.1	94.1	94.2	94.3	94.3	94.4	94.5	94.6	94.6	94.7	94.8	94.8	94.9
18	99.1	99.1	99.2	99.3	99.4	99.4	99.5	99.6	99.7	99.7	99.8	99.9	100.0	100.0	100.1	100.2	100.3	100.3	100.4	100.5
19	104.6	104.7	104.7	104.8	104.9	105.0	105.1	105.1	105.2	105.3	105.4	105.4	105.5	105.6	105.7	105.8	105.8	105.9	106.0	106.1
20	110.1	110.2	110.2	110.3	110.4	110.5	110.6	110.7	110.7	110.8	110.9	111.0	111.1	111.2	111.2	111.3	111.4	111.5	111.6	111.7
21	115.6	115.7	115.8	115.8	115.9	116.0	116.1	116.2	116.3	116.4	116.5	116.5	116.6	116.7	116.8	116.9	117.0	117.1	117.2	117.2
22	121.1	121.2	121.3	121.4	121.5	121.5	121.6	121.7	121.8	121.9	122.0	122.1	122.2	122.3	122.4	122.5	122.6	122.6	122.7	122.8
23	126.6	126.7	126.8	126.9	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.6	127.7	127.8	127.9	128.0	128.1	128.2	128.3	128.4
24	132.1	132.2	132.3	132.4	132.5	132.6	132.7	132.8	132.9	133.0	133.1	133.2	133.3	133.4	133.5	133.6	133.7	133.8	133.9	134.0

UT hrs	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7	135.8	135.9	136.0
1	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7
2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
3	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	17.0	17.0	17.0	17.0
4	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.7
5	27.9	28.0	28.0	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.3	28.3	28.3	28.3
6	33.5	33.5	33.6	33.6	33.6	33.6	33.7	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.9	34.0	34.0
7	39.1	39.1	39.2	39.2	39.2	39.3	39.3	39.3	39.3	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.6	39.6	39.6	39.7
8	44.7	44.7	44.8	44.8	44.8	44.9	44.9	44.9	45.0	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.3	45.3	45.3
9	50.3	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.6	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.9	50.9	51.0	51.0
10	55.9	55.9	56.0	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.4	56.4	56.5	56.5	56.6	56.6	56.6	56.7
11	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.8	61.8	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.3	62.3
12	67.0	67.1	67.1	67.2	67.2	67.3	67.3	67.4	67.4	67.5	67.5	67.6	67.6	67.7	67.7	67.8	67.8	67.9	67.9	68.0
13	72.6	72.7	72.7	72.8	72.9	72.9	73.0	73.0	73.1	73.1	73.2	73.2	73.3	73.3	73.4	73.4	73.5	73.6	73.6	73.7
14	78.2	78.3	78.3	78.4	78.5	78.5	78.6	78.6	78.7	78.7	78.8	78.9	78.9	79.0	79.0	79.1	79.2	79.2	79.3	79.3
15	83.8	83.9	83.9	84.0	84.1	84.1	84.2	84.2	84.3	84.4	84.4	84.5	84.6	84.6	84.7	84.7	84.8	84.9	84.9	85.0
16	89.4	89.5	89.5	89.6	89.7	89.7	89.8	89.9	89.9	90.0	90.1	90.1	90.2	90.3	90.3	90.4	90.5	90.5	90.6	90.7
17	95.0	95.1	95.1	95.2	95.3	95.3	95.4	95.5	95.6	95.6	95.7	95.8	95.8	95.9	96.0	96.0	96.1	96.2	96.3	96.3
18	100.6	100.6	100.7	100.8	100.9	100.9	101.0	101.1	101.2	101.2	101.3	101.4	101.5	101.5	101.6	101.7	101.8	101.8	101.9	102.0
19	106.2	106.2	106.3	106.4	106.5	106.6	106.6	106.7	106.8	106.9	107.0	107.0	107.1	107.2	107.3	107.3	107.4	107.5	107.6	107.7
20	111.7	111.8	111.9	112.0	112.1	112.2	112.2	112.3	112.4	112.5	112.6	112.7	112.7	112.8	112.9	113.0	113.1	113.2	113.2	113.3
21	117.3	117.4	117.5	117.6	117.7	117.8	117.9	117.9	118.0	118.1	118.2	118.3	118.4	118.5	118.6	118.6	118.7	118.8	118.9	119.0
22	122.9	123.0	123.1	123.2	123.3	123.4	123.5	123.6	123.7	123.7	123.8	123.9	124.0	124.1	124.2	124.3	124.4	124.5	124.6	124.7
23	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	129.9	130.0	130.1	130.2	130.3
24	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7	135.8	135.9	136.0

UT hrs	136.1	136.2	136.3	136.4	136.5	136.6	136.7	136.8	136.9	137.0	137.1	137.2	137.3	137.4	137.5	137.6	137.7	137.8	137.9	138.0
1	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5
3	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
4	22.7	22.7	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.9	23.0	23.0	23.0
5	28.4	28.4	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7
6	34.0	34.0	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.5	34.5
7	39.7	39.7	39.8	39.8	39.8	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.2	40.2	40.2	40.2
8	45.4	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	46.0	46.0
9	51.0	51.1	51.1	51.1	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7
10	56.7	56.7	56.8	56.8	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.4	57.4	57.5	57.5
11	62.4	62.4	62.5	62.5	62.6	62.6	62.7	62.7	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.1	63.1	63.2	63.2	63.2
12	68.0	68.																		

Sun and Planets Increments

UT hrs	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0	139.1	139.2	139.3	139.4	139.5	139.6	139.7	139.8	139.9	140.0
1	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2	11.5	11.5	11.5	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.7	11.7
3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.5	17.5	17.5	17.5
4	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3
5	28.8	28.8	28.8	28.8	28.9	28.9	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.2
6	34.5	34.5	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.9	34.9	34.9	34.9	35.0	35.0
7	40.3	40.3	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.7	40.7	40.7	40.7	40.8	40.8	40.8
8	46.0	46.1	46.1	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.4	46.4	46.4	46.5	46.5	46.5	46.6	46.6	46.6	46.7
9	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.5	52.5
10	57.5	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.3	58.3
11	63.3	63.3	63.4	63.4	63.5	63.5	63.6	63.6	63.7	63.7	63.8	63.8	63.8	63.9	63.9	64.0	64.0	64.1	64.1	64.2
12	69.0	69.1	69.1	69.2	69.2	69.3	69.3	69.4	69.4	69.5	69.5	69.6	69.6	69.7	69.7	69.8	69.8	69.9	69.9	70.0
13	74.8	74.9	74.9	75.0	75.0	75.1	75.1	75.2	75.2	75.3	75.3	75.4	75.5	75.5	75.6	75.6	75.7	75.7	75.8	75.8
14	80.6	80.6	80.7	80.7	80.8	80.8	80.9	81.0	81.0	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.5	81.5	81.6	81.7
15	86.3	86.4	86.4	86.5	86.6	86.6	86.7	86.7	86.8	86.9	86.9	87.0	87.1	87.1	87.2	87.2	87.3	87.4	87.4	87.5
16	92.1	92.1	92.2	92.3	92.3	92.4	92.5	92.5	92.6	92.7	92.7	92.8	92.9	92.9	93.0	93.1	93.1	93.2	93.3	93.3
17	97.8	97.9	98.0	98.0	98.1	98.2	98.2	98.3	98.4	98.5	98.5	98.6	98.7	98.7	98.8	98.9	99.0	99.0	99.1	99.2
18	103.6	103.6	103.7	103.8	103.9	103.9	104.0	104.1	104.2	104.2	104.3	104.4	104.5	104.5	104.6	104.7	104.8	104.8	104.9	105.0
19	109.3	109.4	109.5	109.6	109.6	109.7	109.8	109.9	110.0	110.0	110.1	110.2	110.3	110.4	110.4	110.5	110.6	110.7	110.8	110.8
20	115.1	115.2	115.2	115.3	115.4	115.5	115.6	115.7	115.7	115.8	115.9	116.0	116.1	116.2	116.2	116.3	116.4	116.5	116.6	116.7
21	120.8	120.9	121.0	121.1	121.2	121.3	121.4	121.4	121.5	121.6	121.7	121.8	121.9	122.0	122.1	122.1	122.2	122.3	122.4	122.5
22	126.6	126.7	126.8	126.9	127.0	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.8	127.9	128.0	128.1	128.1	128.2	128.3
23	132.3	132.4	132.5	132.6	132.7	132.8	132.9	133.0	133.1	133.2	133.3	133.4	133.5	133.6	133.7	133.8	133.9	134.0	134.1	134.2
24	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0	139.1	139.2	139.3	139.4	139.5	139.6	139.7	139.8	139.9	140.0

UT hrs	140.1	140.2	140.3	140.4	140.5	140.6	140.7	140.8	140.9	141.0	141.1	141.2	141.3	141.4	141.5	141.6	141.7	141.8	141.9	142.0
1	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
2	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
3	17.5	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
4	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.7
5	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.6	29.6
6	35.0	35.0	35.1	35.1	35.1	35.1	35.2	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.5	35.5
7	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.4	41.4	41.4
8	46.7	46.7	46.8	46.8	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.3	47.3	47.3
9	52.5	52.6	52.6	52.6	52.7	52.7	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.2	53.2	53.2
10	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.2
11	64.2	64.3	64.3	64.3	64.4	64.4	64.5	64.5	64.6	64.6	64.7	64.7	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.1
12	70.0	70.1	70.1	70.2	70.2	70.3	70.3	70.4	70.4	70.5	70.5	70.6	70.6	70.7	70.7	70.8	70.8	70.9	70.9	71.0
13	75.9	75.9	76.0	76.0	76.1	76.2	76.2	76.3	76.3	76.4	76.4	76.5	76.5	76.6	76.6	76.7	76.8	76.8	76.9	76.9
14	81.7	81.8	81.8	81.9	82.0	82.0	82.1	82.1	82.2	82.2	82.3	82.4	82.4	82.5	82.5	82.6	82.7	82.7	82.8	82.8
15	87.6	87.6	87.7	87.7	87.8	87.9	87.9	88.0	88.1	88.1	88.2	88.2	88.3	88.4	88.4	88.5	88.6	88.6	88.7	88.7
16	93.4	93.5	93.5	93.6	93.7	93.7	93.8	93.9	94.0	94.1	94.1	94.2	94.2	94.3	94.3	94.4	94.5	94.5	94.6	94.7
17	99.2	99.3	99.4	99.4	99.5	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.1	100.2	100.2	100.3	100.4	100.4	100.5	100.6
18	105.1	105.1	105.2	105.3	105.4	105.4	105.5	105.6	105.7	105.7	105.8	105.9	106.0	106.0	106.1	106.2	106.3	106.3	106.4	106.5
19	110.9	111.0	111.1	111.1	111.2	111.3	111.4	111.5	111.5	111.6	111.7	111.8	111.9	111.9	112.0	112.1	112.2	112.3	112.3	112.4
20	116.7	116.8	116.9	117.0	117.1	117.2	117.2	117.3	117.4	117.5	117.6	117.7	117.7	117.8	117.9	118.0	118.1	118.2	118.2	118.3
21	122.6	122.7	122.8	122.8	122.9	123.0	123.1	123.2	123.3	123.4	123.5	123.5	123.6	123.7	123.8	123.9	124.0	124.1	124.2	124.2
22	128.4	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.2	129.2	129.3	129.4	129.5	129.6	129.7	129.8	129.9	130.0	130.1	130.2
23	134.3	134.4	134.5	134.5	134.6	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7	135.8	135.9	136.0	136.1
24	140.1	140.2	140.3	140.4	140.5	140.6	140.7	140.8	140.9	141.0	141.1	141.2	141.3	141.4	141.5	141.6	141.7	141.8	141.9	142.0

UT hrs	142.1	142.2	142.3	142.4	142.5	142.6	142.7	142.8	142.9	143.0	143.1	143.2	143.3	143.4	143.5	143.6	143.7	143.8	143.9	144.0
1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
2	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0
3	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	18.0	18.0	18.0	18.0
4	23.7	23.7	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	24.0	24.0	24.0
5	29.6	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	30.0	30.0	30.0
6	35.5	35.5	35.6	35.6	35.6	35.6	35.7	35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.9	35.9	35.9	35.9	36.0	36.0
7	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.9	41.9	41.9	41.9	42.0	42.0
8	47.4	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.7	47.8	47.8	47.8	47.9	47.9	47.9	48.0	48.0
9	53.3	53.3	53.4	53.4	53.4	53.5	53.5	53.5	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9	54.0	54.0
10	59.2	59.2	59.3	59.3	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.9	59.9	60.0	60.0
11	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.6	65.6	65.7	65.7	65.8	65.8	65.9	65.9	66.0	66.0

Sun and Planets Increments

UT hrs	144.1	144.2	144.3	144.4	144.5	144.6	144.7	144.8	144.9	145.0	145.1	145.2	145.3	145.4	145.5	145.6	145.7	145.8	145.9	146.0
1	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
2	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.2	12.2
3	18.0	18.0	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
4	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3
5	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4
6	36.0	36.0	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.5	36.5
7	42.0	42.1	42.1	42.1	42.1	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.5	42.5	42.5	42.6	42.6
8	48.0	48.1	48.1	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.7
9	54.0	54.1	54.1	54.1	54.2	54.2	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7
10	60.0	60.1	60.1	60.2	60.2	60.2	60.3	60.3	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.7	60.7	60.7	60.8	60.8
11	66.0	66.1	66.1	66.2	66.2	66.3	66.3	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.7	66.7	66.8	66.8	66.9	66.9
12	72.0	72.1	72.1	72.2	72.2	72.3	72.3	72.4	72.4	72.5	72.5	72.6	72.6	72.7	72.7	72.8	72.8	72.9	72.9	73.0
13	78.1	78.1	78.2	78.2	78.3	78.3	78.4	78.4	78.5	78.5	78.6	78.6	78.7	78.8	78.8	78.9	78.9	79.0	79.0	79.1
14	84.1	84.1	84.2	84.2	84.3	84.3	84.4	84.5	84.5	84.6	84.6	84.7	84.8	84.8	84.9	84.9	85.0	85.0	85.1	85.2
15	90.1	90.1	90.2	90.2	90.3	90.4	90.4	90.5	90.6	90.6	90.7	90.7	90.8	90.9	90.9	91.0	91.1	91.1	91.2	91.2
16	96.1	96.1	96.2	96.3	96.3	96.4	96.5	96.5	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3	97.3
17	102.1	102.1	102.2	102.3	102.4	102.4	102.5	102.6	102.6	102.7	102.8	102.8	102.9	103.0	103.1	103.1	103.2	103.3	103.3	103.4
18	108.1	108.1	108.2	108.3	108.4	108.4	108.5	108.6	108.7	108.7	108.8	108.9	109.0	109.0	109.1	109.2	109.3	109.3	109.4	109.5
19	114.1	114.2	114.2	114.3	114.4	114.5	114.6	114.6	114.7	114.8	114.9	114.9	115.0	115.1	115.2	115.3	115.3	115.4	115.5	115.6
20	120.1	120.2	120.2	120.3	120.4	120.5	120.6	120.7	120.7	120.8	120.9	121.0	121.1	121.2	121.2	121.3	121.4	121.5	121.6	121.7
21	126.1	126.2	126.3	126.3	126.4	126.5	126.6	126.7	126.8	126.9	127.0	127.0	127.1	127.2	127.3	127.4	127.5	127.6	127.7	127.7
22	132.1	132.2	132.3	132.4	132.5	132.5	132.6	132.7	132.8	132.9	133.0	133.1	133.2	133.3	133.4	133.5	133.6	133.6	133.7	133.8
23	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0	139.1	139.1	139.2	139.3	139.4	139.5	139.6	139.7	139.8	139.9
24	144.1	144.2	144.3	144.4	144.5	144.6	144.7	144.8	144.9	145.0	145.1	145.2	145.3	145.4	145.5	145.6	145.7	145.8	145.9	146.0

UT hrs	146.1	146.2	146.3	146.4	146.5	146.6	146.7	146.8	146.9	147.0	147.1	147.2	147.3	147.4	147.5	147.6	147.7	147.8	147.9	148.0
1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2
2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.5	18.5	18.5	18.5
4	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	24.7
5	30.4	30.5	30.5	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8
6	36.5	36.5	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9	36.9	37.0	37.0
7	42.6	42.6	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.9	42.9	42.9	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.2
8	48.7	48.7	48.8	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.3	49.3	49.3
9	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.5	55.5
10	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.6	61.6	61.7
11	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.3	67.3	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.8	67.8
12	73.0	73.1	73.1	73.2	73.2	73.3	73.3	73.4	73.4	73.5	73.5	73.6	73.6	73.7	73.7	73.8	73.8	73.9	73.9	74.0
13	79.1	79.2	79.2	79.3	79.4	79.4	79.5	79.5	79.6	79.6	79.7	79.7	79.8	79.8	79.9	79.9	80.0	80.1	80.1	80.2
14	85.2	85.3	85.3	85.4	85.5	85.5	85.6	85.6	85.7	85.7	85.8	85.9	85.9	86.0	86.0	86.1	86.2	86.2	86.3	86.3
15	91.3	91.4	91.4	91.5	91.6	91.6	91.7	91.7	91.8	91.9	91.9	92.0	92.1	92.1	92.2	92.2	92.3	92.4	92.4	92.5
16	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.5	98.5	98.6	98.7
17	103.5	103.6	103.6	103.7	103.8	103.8	103.9	104.0	104.1	104.1	104.2	104.3	104.3	104.4	104.5	104.5	104.6	104.7	104.8	104.8
18	109.6	109.7	109.7	109.8	109.9	109.9	110.0	110.1	110.2	110.2	110.3	110.4	110.5	110.5	110.6	110.7	110.8	110.8	110.9	111.0
19	115.7	115.7	115.8	115.9	116.0	116.1	116.1	116.2	116.3	116.4	116.5	116.5	116.6	116.7	116.8	116.8	116.9	117.0	117.1	117.2
20	121.7	121.8	121.9	122.0	122.1	122.2	122.2	122.3	122.4	122.5	122.6	122.7	122.7	122.8	122.9	123.0	123.1	123.2	123.2	123.3
21	127.8	127.9	128.0	128.1	128.2	128.3	128.4	128.4	128.5	128.6	128.7	128.8	128.9	129.0	129.1	129.1	129.2	129.3	129.4	129.5
22	133.9	134.0	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.7	134.8	134.9	135.0	135.1	135.2	135.3	135.4	135.5	135.6	135.7
23	140.0	140.1	140.2	140.3	140.4	140.5	140.6	140.7	140.8	140.9	141.0	141.1	141.2	141.3	141.4	141.4	141.5	141.6	141.7	141.8
24	146.1	146.2	146.3	146.4	146.5	146.6	146.7	146.8	146.9	147.0	147.1	147.2	147.3	147.4	147.5	147.6	147.7	147.8	147.9	148.0

UT hrs	148.1	148.2	148.3	148.4	148.5	148.6	148.7	148.8	148.9	149.0	149.1	149.2	149.3	149.4	149.5	149.6	149.7	149.8	149.9	150.0
1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
2	12.3	12.3	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5
3	18.5	18.5	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
4	24.7	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	25.0
5	30.9	30.9	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.2
6	37.0	37.0	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.3	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.5	37.5
7	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7
8	49.4	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.9	49.9	49.9	50.0	50.0
9	55.5	55.6	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.2
10	61.7	61.7	61.8	61.8	61.9	61.9	62.0	62.0	62.0	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.5	62.5
11	67.9	67.9	68.0	68.0	68.1	68.1	68.2	68.2	68.3	68.3	68.3</									

Sun and Planets Increments

UT hrs	150.1	150.2	150.3	150.4	150.5	150.6	150.7	150.8	150.9	151.0	151.1	151.2	151.3	151.4	151.5	151.6	151.7	151.8	151.9	152.0
1	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.7
3	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.0	19.0	19.0	19.0
4	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.3
5	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.7
6	37.5	37.5	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9	38.0	38.0
7	43.8	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.3	44.3	44.3
8	50.0	50.1	50.1	50.1	50.2	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.7
9	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	57.0	57.0
10	62.5	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.2	63.2	63.2	63.3	63.3
11	68.8	68.8	68.9	68.9	69.0	69.0	69.1	69.1	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.5	69.5	69.6	69.6	69.7
12	75.0	75.1	75.1	75.2	75.2	75.3	75.3	75.4	75.4	75.5	75.5	75.6	75.6	75.7	75.7	75.8	75.8	75.9	75.9	76.0
13	81.3	81.4	81.4	81.5	81.5	81.6	81.6	81.7	81.7	81.8	81.8	81.9	82.0	82.0	82.1	82.1	82.2	82.2	82.3	82.3
14	87.6	87.6	87.7	87.7	87.8	87.8	87.9	88.0	88.0	88.1	88.1	88.2	88.3	88.3	88.4	88.4	88.5	88.5	88.6	88.7
15	93.8	93.9	93.9	94.0	94.1	94.1	94.2	94.2	94.3	94.4	94.4	94.5	94.6	94.6	94.7	94.7	94.8	94.9	94.9	95.0
16	100.1	100.1	100.2	100.3	100.3	100.4	100.5	100.5	100.6	100.7	100.7	100.8	100.9	100.9	101.0	101.1	101.1	101.2	101.3	101.3
17	106.3	106.4	106.5	106.5	106.6	106.7	106.7	106.8	106.9	107.0	107.0	107.1	107.2	107.2	107.3	107.4	107.5	107.5	107.6	107.7
18	112.6	112.6	112.7	112.8	112.9	112.9	113.0	113.1	113.2	113.2	113.3	113.4	113.5	113.5	113.6	113.7	113.8	113.8	113.9	114.0
19	118.8	118.9	119.0	119.1	119.1	119.2	119.3	119.4	119.5	119.5	119.6	119.7	119.8	119.9	119.9	120.0	120.1	120.2	120.3	120.3
20	125.1	125.2	125.2	125.3	125.4	125.5	125.6	125.7	125.7	125.8	125.9	126.0	126.1	126.2	126.2	126.3	126.4	126.5	126.6	126.7
21	131.3	131.4	131.5	131.6	131.7	131.8	131.9	131.9	132.0	132.1	132.2	132.3	132.4	132.5	132.6	132.6	132.7	132.8	132.9	133.0
22	137.6	137.7	137.8	137.9	138.0	138.0	138.1	138.2	138.3	138.4	138.5	138.6	138.7	138.8	138.9	139.0	139.1	139.1	139.2	139.3
23	143.8	143.9	144.0	144.1	144.2	144.3	144.4	144.5	144.6	144.7	144.8	144.9	145.0	145.1	145.2	145.3	145.4	145.5	145.6	145.7
24	150.1	150.2	150.3	150.4	150.5	150.6	150.7	150.8	150.9	151.0	151.1	151.2	151.3	151.4	151.5	151.6	151.7	151.8	151.9	152.0

UT hrs	152.1	152.2	152.3	152.4	152.5	152.6	152.7	152.8	152.9	153.0	153.1	153.2	153.3	153.4	153.5	153.6	153.7	153.8	153.9	154.0
1	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
3	19.0	19.0	19.0	19.0	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
4	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.7
5	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.9	31.9	31.9	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.1	32.1
6	38.0	38.0	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.5	38.5
7	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.9	44.9	44.9
8	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.3
9	57.0	57.1	57.1	57.1	57.2	57.2	57.3	57.3	57.3	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7
10	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.1	64.1	64.2
11	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.0	70.1	70.1	70.2	70.2	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.6
12	76.0	76.1	76.1	76.2	76.2	76.3	76.3	76.4	76.4	76.5	76.5	76.6	76.6	76.7	76.7	76.8	76.8	76.9	76.9	77.0
13	82.4	82.4	82.5	82.5	82.6	82.7	82.7	82.8	82.8	82.9	82.9	83.0	83.0	83.1	83.1	83.2	83.3	83.3	83.4	83.4
14	88.7	88.8	88.8	88.9	89.0	89.0	89.1	89.1	89.2	89.2	89.3	89.4	89.4	89.5	89.5	89.6	89.7	89.7	89.8	89.8
15	95.1	95.1	95.2	95.2	95.3	95.4	95.4	95.5	95.6	95.6	95.7	95.7	95.8	95.9	95.9	96.0	96.1	96.1	96.2	96.2
16	101.4	101.5	101.5	101.6	101.7	101.7	101.8	101.9	102.0	102.1	102.1	102.2	102.2	102.3	102.3	102.4	102.5	102.5	102.6	102.7
17	107.7	107.8	107.9	107.9	108.0	108.1	108.2	108.2	108.3	108.4	108.4	108.5	108.6	108.7	108.7	108.8	108.9	108.9	109.0	109.1
18	114.1	114.1	114.2	114.3	114.4	114.4	114.5	114.6	114.7	114.7	114.8	114.9	115.0	115.0	115.1	115.2	115.3	115.3	115.4	115.5
19	120.4	120.5	120.6	120.6	120.7	120.8	120.9	121.0	121.0	121.1	121.2	121.3	121.4	121.4	121.5	121.6	121.7	121.8	121.8	121.9
20	126.7	126.8	126.9	127.0	127.1	127.2	127.2	127.3	127.4	127.5	127.6	127.7	127.7	127.8	127.9	128.0	128.1	128.2	128.2	128.3
21	133.1	133.2	133.3	133.3	133.4	133.5	133.6	133.7	133.8	133.9	134.0	134.0	134.1	134.2	134.3	134.4	134.5	134.6	134.7	134.7
22	139.4	139.5	139.6	139.7	139.8	139.9	140.0	140.1	140.2	140.2	140.3	140.4	140.5	140.6	140.7	140.8	140.9	141.0	141.1	141.2
23	145.8	145.9	146.0	146.0	146.1	146.2	146.3	146.4	146.5	146.6	146.7	146.8	146.9	147.0	147.1	147.2	147.3	147.4	147.5	147.6
24	152.1	152.2	152.3	152.4	152.5	152.6	152.7	152.8	152.9	153.0	153.1	153.2	153.3	153.4	153.5	153.6	153.7	153.8	153.9	154.0

UT hrs	154.1	154.2	154.3	154.4	154.5	154.6	154.7	154.8	154.9	155.0	155.1	155.2	155.3	155.4	155.5	155.6	155.7	155.8	155.9	156.0
1	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
2	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0
3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5
4	25.7	25.7	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.9	26.0	26.0	26.0
5	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.5	32.5	32.5
6	38.5	38.5	38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	39.0	39.0
7	44.9	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.5	45.5	45.5
8	51.4	51.4	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	52.0	52.0
9	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.5	58.5
10	64.2	64.2	64.3	64.3	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9	65.0	65.0
11	70.6	70.7	70.7	70.8	70.8	70.9	70.9	70.9	71.0	71.0	71.1	71.1	71.2							

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