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航海天文历

NAUTICAL ALMANAC

附表

ANNEXED TABLES

中国人民解放军海军司令部航海保证部

THE NAVIGATION GUARANTEE DEPARTMENT OF THE CHINESE NAVY HEADQUARTERS

2007 年

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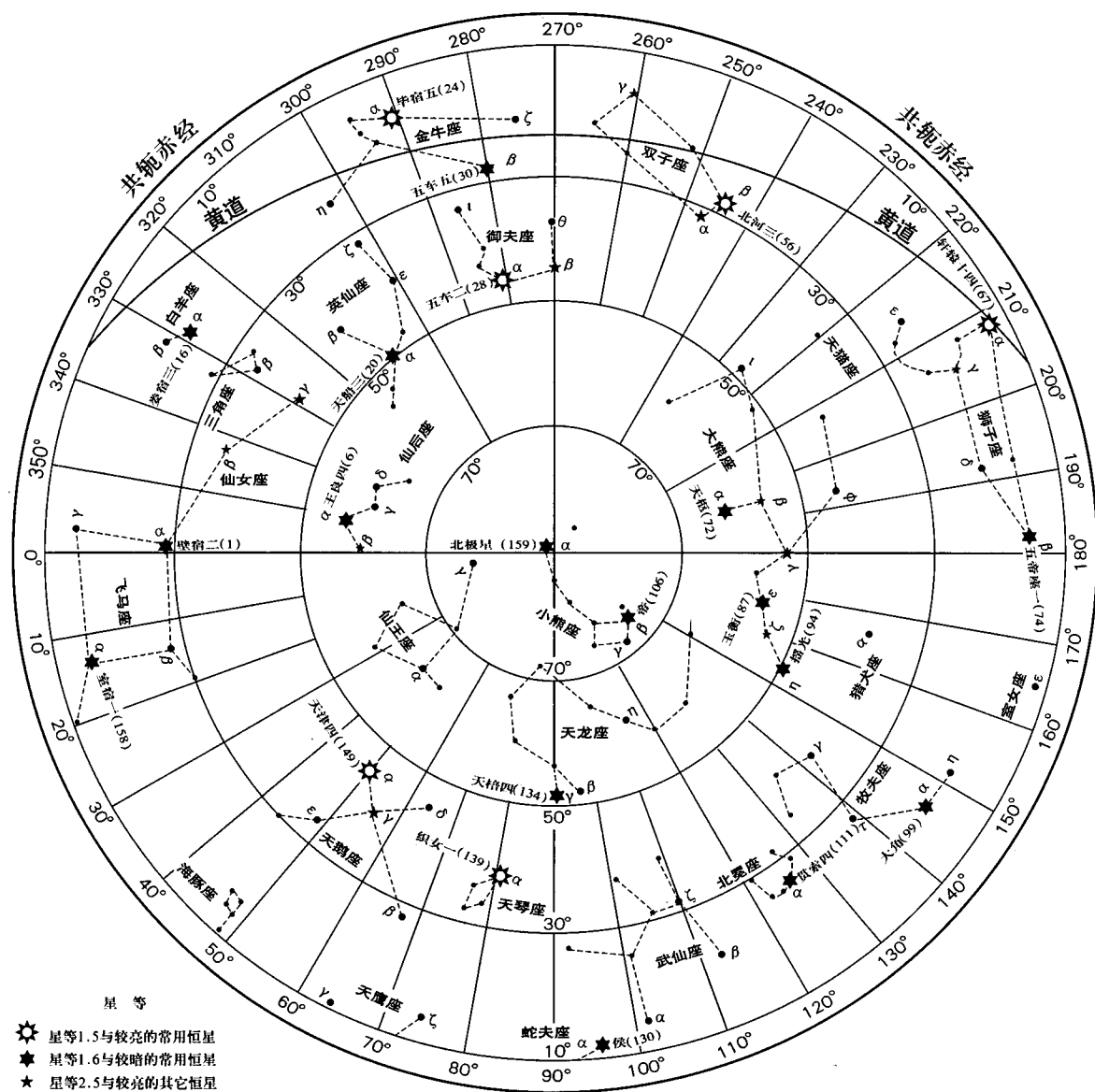
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星座名对照表

CONSTELLATIONS; CHINESE NAMES & ENGLISH ABBREVIATIONS

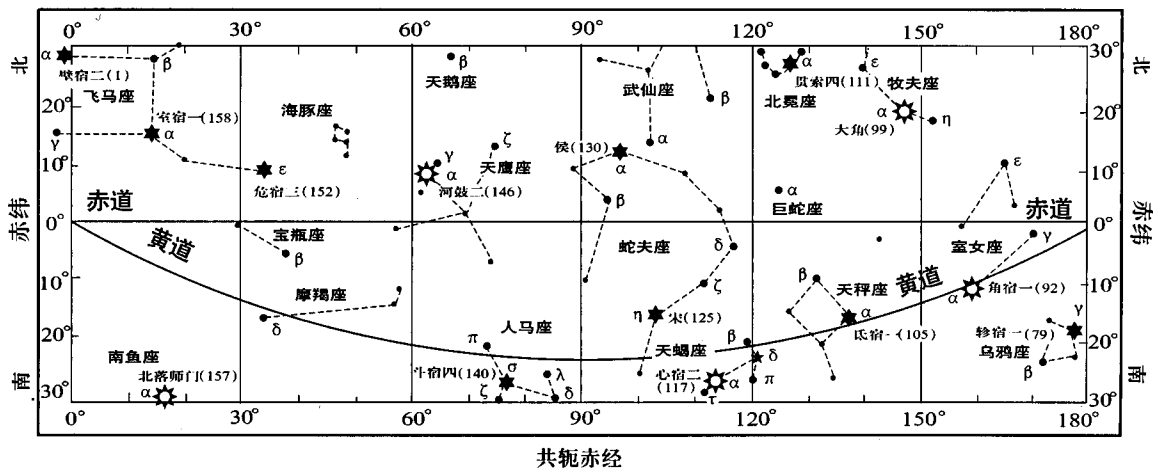
仙 女	And	印第安	Ind
宝 瓶	Aqr	狮 子	Leo
天 鹰	Aql	天 兔	Lep
天 坛	Ara	天 秤	Lib
白 羊	Ari	豺 狼	Lup
御 夫	Aur	天 猫	Lyn
牧 夫	Boo	天 琴	Lyr
猎 犬	CVn	苍 蝇	Mus
大 犬	CMa	蛇 夫	Oph
小 犬	CMi	猎 户	Ori
摩 羯	Cap	孔 雀	Pav
船 底	Car	飞 马	Peg
仙 后	Cas	英 仙	Per
仙 王	Cep	凤 凰	Phe
鲸 鱼	Cet	南 鱼	PsA
天 鸽	Col	船 尾	Pup
北 冕	CrB	人 马	Sgr
乌 鴉	Crv	天 蝎	Sco
南十字	Cru	巨 蛇	Ser
天 鹅	Cyg	金 牛	Tau
海 豚	Del	三 角	Tri
天 龙	Dra	南三角	TrA
波 江	Eri	杜 鹃	Tuc
双 子	Gem	大 熊	UMa
天 鹤	Gru	小 熊	UMi
武 仙	Her	船 帆	Vel
长 蛇	Hya	室 女	Vir
水 蛇	Hyi	狐 狸	Vul
半人马	Cen		

星图 STAR CHARTS 北天恒星

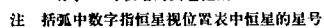


星等
 ☆ 星等1.5与较亮的常用恒星
 ★ 星等1.6与较暗的常用恒星
 ★ 星等2.5与较亮的其它恒星
 ● 星等2.6与较暗的其它恒星
 注 括弧中数字指恒星视位置表中恒星的星号

赤道恒星 (共轲赤经0° -180°)



南天恒星



赤道恒星 (共轭赤经 180° - 360°)

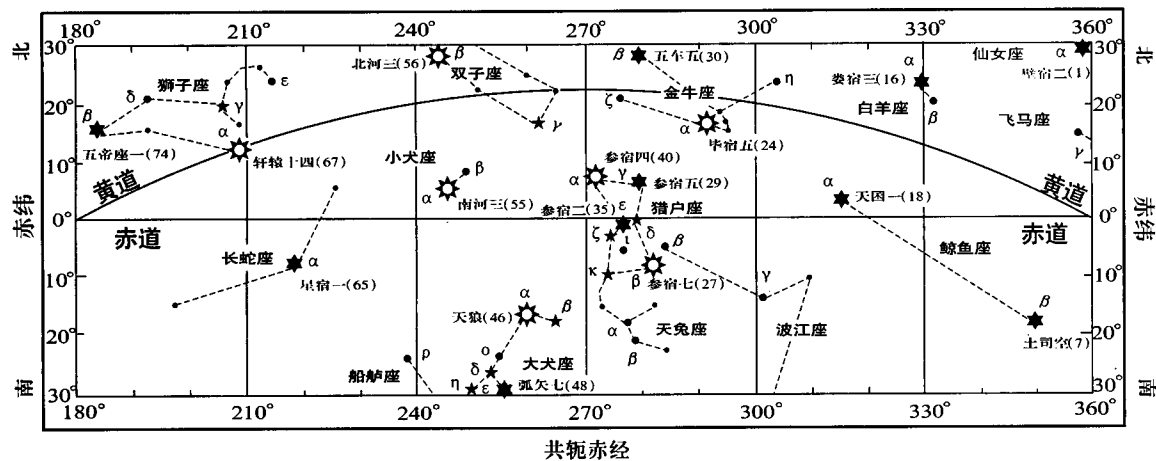


表1. 时角、赤纬内插表

TABLE 1. INCREMENTS AND CORRECTIONS

0 ^m							1 ^m							
0 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值			
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon											
s	° /	° /	° /	/ /	/ /	/ /	/ /	s	° /	° /	° /	/ /	/ /	
0	0 00.0	0 00.0	0 00.0	0.0 0.0	6.0 0.1	12.0 0.1		0	0 15.0	0 15.0	0 14.3	0.0 0.0	6.0 0.2	12.0 0.3
1	0 00.2	0 00.3	0 00.2	0.1 0.0	6.1 0.1	12.1 0.1		1	0 15.2	0 15.3	0 14.6	0.1 0.0	6.1 0.2	12.1 0.3
2	0 00.5	0 00.5	0 00.5	0.2 0.0	6.2 0.1	12.2 0.1		2	0 15.5	0 15.5	0 14.8	0.2 0.0	6.2 0.2	12.2 0.3
3	0 00.7	0 00.8	0 00.7	0.3 0.0	6.3 0.1	12.3 0.1		3	0 15.7	0 15.8	0 15.0	0.3 0.0	6.3 0.2	12.3 0.3
4	0 01.0	0 01.0	0 01.0	0.4 0.0	6.4 0.1	12.4 0.1		4	0 16.0	0 16.0	0 15.3	0.4 0.0	6.4 0.2	12.4 0.3
5	0 01.2	0 01.3	0 01.2	0.5 0.0	6.5 0.1	12.5 0.1		5	0 16.2	0 16.3	0 15.5	0.5 0.0	6.5 0.2	12.5 0.3
6	0 01.5	0 01.5	0 01.4	0.6 0.0	6.6 0.1	12.6 0.1		6	0 16.5	0 16.5	0 15.7	0.6 0.0	6.6 0.2	12.6 0.3
7	0 01.7	0 01.8	0 01.7	0.7 0.0	6.7 0.1	12.7 0.1		7	0 16.7	0 16.8	0 16.0	0.7 0.0	6.7 0.2	12.7 0.3
8	0 02.0	0 02.0	0 01.9	0.8 0.0	6.8 0.1	12.8 0.1		8	0 17.0	0 17.0	0 16.2	0.8 0.0	6.8 0.2	12.8 0.3
9	0 02.2	0 02.3	0 02.1	0.9 0.0	6.9 0.1	12.9 0.1		9	0 17.2	0 17.3	0 16.5	0.9 0.0	6.9 0.2	12.9 0.3
10	0 02.5	0 02.5	0 02.4	1.0 0.0	7.0 0.1	13.0 0.1		10	0 17.5	0 17.5	0 16.7	1.0 0.0	7.0 0.2	13.0 0.3
11	0 02.7	0 02.8	0 02.6	1.1 0.0	7.1 0.1	13.1 0.1		11	0 17.7	0 17.8	0 16.9	1.1 0.0	7.1 0.2	13.1 0.3
12	0 03.0	0 03.0	0 02.9	1.2 0.0	7.2 0.1	13.2 0.1		12	0 18.0	0 18.0	0 17.2	1.2 0.0	7.2 0.2	13.2 0.3
13	0 03.2	0 03.3	0 03.1	1.3 0.0	7.3 0.1	13.3 0.1		13	0 18.2	0 18.3	0 17.4	1.3 0.0	7.3 0.2	13.3 0.3
14	0 03.5	0 03.5	0 03.3	1.4 0.0	7.4 0.1	13.4 0.1		14	0 18.5	0 18.6	0 17.7	1.4 0.0	7.4 0.2	13.4 0.3
15	0 03.7	0 03.8	0 03.6	1.5 0.0	7.5 0.1	13.5 0.1		15	0 18.7	0 18.8	0 17.9	1.5 0.0	7.5 0.2	13.5 0.3
16	0 04.0	0 04.0	0 03.8	1.6 0.0	7.6 0.1	13.6 0.1		16	0 19.0	0 19.1	0 18.1	1.6 0.0	7.6 0.2	13.6 0.3
17	0 04.2	0 04.3	0 04.1	1.7 0.0	7.7 0.1	13.7 0.1		17	0 19.2	0 19.3	0 18.4	1.7 0.0	7.7 0.2	13.7 0.3
18	0 04.5	0 04.5	0 04.3	1.8 0.0	7.8 0.1	13.8 0.1		18	0 19.5	0 19.6	0 18.6	1.8 0.0	7.8 0.2	13.8 0.3
19	0 04.7	0 04.8	0 04.5	1.9 0.0	7.9 0.1	13.9 0.1		19	0 19.7	0 19.8	0 18.9	1.9 0.0	7.9 0.2	13.9 0.3
20	0 05.0	0 05.0	0 04.8	2.0 0.0	8.0 0.1	14.0 0.1		20	0 20.0	0 20.1	0 19.1	2.0 0.1	8.0 0.2	14.0 0.4
21	0 05.2	0 05.3	0 05.0	2.1 0.0	8.1 0.1	14.1 0.1		21	0 20.2	0 20.3	0 19.3	2.1 0.1	8.1 0.2	14.1 0.4
22	0 05.5	0 05.5	0 05.2	2.2 0.0	8.2 0.1	14.2 0.1		22	0 20.5	0 20.6	0 19.6	2.2 0.1	8.2 0.2	14.2 0.4
23	0 05.7	0 05.8	0 05.5	2.3 0.0	8.3 0.1	14.3 0.1		23	0 20.7	0 20.8	0 19.8	2.3 0.1	8.3 0.2	14.3 0.4
24	0 06.0	0 06.0	0 05.7	2.4 0.0	8.4 0.1	14.4 0.1		24	0 21.0	0 21.1	0 20.0	2.4 0.1	8.4 0.2	14.4 0.4
25	0 06.2	0 06.3	0 06.0	2.5 0.0	8.5 0.1	14.5 0.1		25	0 21.2	0 21.3	0 20.3	2.5 0.1	8.5 0.2	14.5 0.4
26	0 06.5	0 06.5	0 06.2	2.6 0.0	8.6 0.1	14.6 0.1		26	0 21.5	0 21.6	0 20.5	2.6 0.1	8.6 0.2	14.6 0.4
27	0 06.7	0 06.8	0 06.4	2.7 0.0	8.7 0.1	14.7 0.1		27	0 21.7	0 21.8	0 20.8	2.7 0.1	8.7 0.2	14.7 0.4
28	0 07.0	0 07.0	0 06.7	2.8 0.0	8.8 0.1	14.8 0.1		28	0 22.0	0 22.1	0 21.0	2.8 0.1	8.8 0.2	14.8 0.4
29	0 07.2	0 07.3	0 06.9	2.9 0.0	8.9 0.1	14.9 0.1		29	0 22.2	0 22.3	0 21.2	2.9 0.1	8.9 0.2	14.9 0.4
30	0 07.5	0 07.5	0 07.2	3.0 0.0	9.0 0.1	15.0 0.1		30	0 22.5	0 22.6	0 21.5	3.0 0.1	9.0 0.2	15.0 0.4
31	0 07.7	0 07.8	0 07.4	3.1 0.0	9.1 0.1	15.1 0.1		31	0 22.7	0 22.8	0 21.7	3.1 0.1	9.1 0.2	15.1 0.4
32	0 08.0	0 08.0	0 07.6	3.2 0.0	9.2 0.1	15.2 0.1		32	0 23.0	0 23.1	0 22.0	3.2 0.1	9.2 0.2	15.2 0.4
33	0 08.2	0 08.3	0 07.9	3.3 0.0	9.3 0.1	15.3 0.1		33	0 23.2	0 23.3	0 22.2	3.3 0.1	9.3 0.2	15.3 0.4
34	0 08.5	0 08.5	0 08.1	3.4 0.0	9.4 0.1	15.4 0.1		34	0 23.5	0 23.6	0 22.4	3.4 0.1	9.4 0.2	15.4 0.4
35	0 08.7	0 08.8	0 08.4	3.5 0.0	9.5 0.1	15.5 0.1		35	0 23.7	0 23.8	0 22.7	3.5 0.1	9.5 0.2	15.5 0.4
36	0 09.0	0 09.0	0 08.6	3.6 0.0	9.6 0.1	15.6 0.1		36	0 24.0	0 24.1	0 22.9	3.6 0.1	9.6 0.2	15.6 0.4
37	0 09.2	0 09.3	0 08.8	3.7 0.0	9.7 0.1	15.7 0.1		37	0 24.2	0 24.3	0 23.1	3.7 0.1	9.7 0.2	15.7 0.4
38	0 09.5	0 09.5	0 09.1	3.8 0.0	9.8 0.1	15.8 0.1		38	0 24.5	0 24.6	0 23.4	3.8 0.1	9.8 0.2	15.8 0.4
39	0 09.7	0 09.8	0 09.3	3.9 0.0	9.9 0.1	15.9 0.1		39	0 24.7	0 24.8	0 23.6	3.9 0.1	9.9 0.2	15.9 0.4
40	0 10.0	0 10.0	0 09.5	4.0 0.0	10.0 0.1	16.0 0.1		40	0 25.0	0 25.1	0 23.9	4.0 0.1	10.0 0.3	16.0 0.4
41	0 10.2	0 10.3	0 09.8	4.1 0.0	10.1 0.1	16.1 0.1		41	0 25.2	0 25.3	0 24.1	4.1 0.1	10.1 0.3	16.1 0.4
42	0 10.5	0 10.5	0 10.0	4.2 0.0	10.2 0.1	16.2 0.1		42	0 25.5	0 25.6	0 24.3	4.2 0.1	10.2 0.3	16.2 0.4
43	0 10.7	0 10.8	0 10.3	4.3 0.0	10.3 0.1	16.3 0.1		43	0 25.7	0 25.8	0 24.6	4.3 0.1	10.3 0.3	16.3 0.4
44	0 11.0	0 11.0	0 10.5	4.4 0.0	10.4 0.1	16.4 0.1		44	0 26.0	0 26.1	0 24.8	4.4 0.1	10.4 0.3	16.4 0.4
45	0 11.2	0 11.3	0 10.7	4.5 0.0	10.5 0.1	16.5 0.1		45	0 26.2	0 26.3	0 25.1	4.5 0.1	10.5 0.3	16.5 0.4
46	0 11.5	0 11.5	0 11.0	4.6 0.0	10.6 0.1	16.6 0.1		46	0 26.5	0 26.6	0 25.3	4.6 0.1	10.6 0.3	16.6 0.4
47	0 11.7	0 11.8	0 11.2	4.7 0.0	10.7 0.1	16.7 0.1		47	0 26.7	0 26.8	0 25.5	4.7 0.1	10.7 0.3	16.7 0.4
48	0 12.0	0 12.0	0 11.5	4.8 0.0	10.8 0.1	16.8 0.1		48	0 27.0	0 27.1	0 25.8	4.8 0.1	10.8 0.3	16.8 0.4
49	0 12.2	0 12.3	0 11.7	4.9 0.0	10.9 0.1	16.9 0.1		49	0 27.2	0 27.3	0 26.0	4.9 0.1	10.9 0.3	16.9 0.4
50	0 12.5	0 12.5	0 11.9	5.0 0.0	11.0 0.1	17.0 0.1		50	0 27.5	0 27.6	0 26.2	5.0 0.1	11.0 0.3	17.0 0.4
51	0 12.7	0 12.8	0 12.2	5.1 0.0	11.1 0.1	17.1 0.1		51	0 27.7	0 27.8	0 26.5	5.1 0.1	11.1 0.3	17.1 0.4
52	0 13.0	0 13.0	0 12.4	5.2 0.0	11.2 0.1	17.2 0.1		52	0 28.0	0 28.1	0 26.7	5.2 0.1	11.2 0.3	17.2 0.4
53	0 13.2	0 13.3	0 12.6	5.3 0.0	11.3 0.1	17.3 0.1		53	0 28.2	0 28.3	0 27.0	5.3 0.1	11.3 0.3	17.3 0.4
54	0 13.5	0 13.5	0 12.9	5.4 0.0	11.4 0.1	17.4 0.1		54	0 28.5	0 28.6	0 27.2	5.4 0.1	11.4 0.3	17.4 0.4
55	0 13.7	0 13.8	0 13.1	5.5 0.0	11.5 0.1	17.5 0.1		55	0 28.7	0 28.8	0 27.4	5.5 0.1	11.5 0.3	17.5 0.4
56	0 14.0	0 14.0	0 13.4	5.6 0.0	11.6 0.1	17.6 0.1		56	0 29.0	0 29.1	0 27.7	5.6 0.1	11.6 0.3	17.6 0.4
57	0 14.2	0 14.3	0 13.6	5.7 0.0	11.7 0.1	17.7 0.1		57	0 29.2	0 29.3	0 27.9	5.7 0.1	11.7 0.3	17.7 0.4
58	0 14.5	0 14.5	0 13.8	5.8 0.0	11.8 0.1	17.8 0.1		58	0 29.5	0 29.6	0 28.2	5.8 0.1	11.8 0.3	17.8 0.4
59	0 14.7	0 14.8	0 14.1	5.9 0.0	11.9 0.1	17.9 0.1		59	0 29.7	0 29.8	0 28.4	5.9 0.1	11.9 0.3	17.9 0.4
60	0 15.0	0 15.0	0 14.3	6.0 0.1	12.0 0.1	18.0 0.2		60	0 30.0	0 30.1	0 28.6	6.0 0.2	12.0 0.3	18.0 0.5

表 1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

2 ^m							3 ^m						
2 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ	订 正 值	△ 或 △ v or corr ⁿ	3 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ	订 正 值	△ 或 △ v or corr ⁿ
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon	△ 或 △ v or corr ⁿ	订 正 值	△ 或 △ v or corr ⁿ		太阳 行星 Sun Planets	春分点 Aries	月亮 Moon	△ 或 △ v or corr ⁿ	订 正 值	△ 或 △ v or corr ⁿ
s	° ' "	° ' "	° ' "	' "	' "	' "	s	° ' "	° ' "	° ' "	' "	' "	' "
0	0 30.0	0 30.1	0 28.6	0.0	0.0	6.0 0.3	0	0 45.0	0 45.1	0 43.0	0.0	0.0	6.0 0.4
1	0 30.2	0 30.3	0 28.9	0.1	0.0	6.1 0.3	1	0 45.2	0 45.4	0 43.2	0.1	0.0	6.1 0.4
2	0 30.5	0 30.6	0 29.1	0.2	0.0	6.2 0.3	2	0 45.4	0 45.6	0 43.4	0.2	0.0	6.2 0.4
3	0 30.7	0 30.8	0 29.3	0.3	0.0	6.3 0.3	3	0 45.7	0 45.9	0 43.7	0.3	0.0	6.3 0.4
4	0 31.0	0 31.1	0 29.6	0.4	0.0	6.4 0.3	4	0 45.9	0 46.1	0 43.9	0.4	0.0	6.4 0.4
5	0 31.2	0 31.3	0 29.8	0.5	0.0	6.5 0.3	5	0 46.2	0 46.4	0 44.1	0.5	0.0	6.5 0.4
6	0 31.5	0 31.6	0 30.1	0.6	0.0	6.6 0.3	6	0 46.4	0 46.6	0 44.4	0.6	0.0	6.6 0.4
7	0 31.7	0 31.8	0 30.3	0.7	0.0	6.7 0.3	7	0 46.7	0 46.9	0 44.6	0.7	0.0	6.7 0.4
8	0 32.0	0 32.1	0 30.5	0.8	0.0	6.8 0.3	8	0 46.9	0 47.1	0 44.9	0.8	0.0	6.8 0.4
9	0 32.2	0 32.3	0 30.8	0.9	0.0	6.9 0.3	9	0 47.2	0 47.4	0 45.1	0.9	0.1	6.9 0.4
10	0 32.5	0 32.6	0 31.0	1.0	0.0	7.0 0.3	10	0 47.4	0 47.6	0 45.3	1.0	0.1	7.0 0.4
11	0 32.7	0 32.8	0 31.3	1.1	0.0	7.1 0.3	11	0 47.7	0 47.9	0 45.6	1.1	0.1	7.1 0.4
12	0 33.0	0 33.1	0 31.5	1.2	0.1	7.2 0.3	12	0 47.9	0 48.1	0 45.8	1.2	0.1	7.2 0.4
13	0 33.2	0 33.3	0 31.7	1.3	0.1	7.3 0.3	13	0 48.2	0 48.4	0 46.1	1.3	0.1	7.3 0.4
14	0 33.5	0 33.6	0 32.0	1.4	0.1	7.4 0.3	14	0 48.4	0 48.6	0 46.3	1.4	0.1	7.4 0.4
15	0 33.7	0 33.8	0 32.2	1.5	0.1	7.5 0.3	15	0 48.7	0 48.9	0 46.5	1.5	0.1	7.5 0.4
16	0 34.0	0 34.1	0 32.5	1.6	0.1	7.6 0.3	16	0 48.9	0 49.1	0 46.8	1.6	0.1	7.6 0.4
17	0 34.2	0 34.3	0 32.7	1.7	0.1	7.7 0.3	17	0 49.2	0 49.4	0 47.0	1.7	0.1	7.7 0.4
18	0 34.5	0 34.6	0 32.9	1.8	0.1	7.8 0.3	18	0 49.4	0 49.6	0 47.2	1.8	0.1	7.8 0.5
19	0 34.7	0 34.8	0 33.2	1.9	0.1	7.9 0.3	19	0 49.7	0 49.9	0 47.5	1.9	0.1	7.9 0.5
20	0 35.0	0 35.1	0 33.4	2.0	0.1	8.0 0.3	20	0 49.9	0 50.1	0 47.7	2.0	0.1	8.0 0.5
21	0 35.2	0 35.3	0 33.6	2.1	0.1	8.1 0.3	21	0 50.2	0 50.4	0 48.0	2.1	0.1	8.1 0.5
22	0 35.5	0 35.6	0 33.9	2.2	0.1	8.2 0.3	22	0 50.4	0 50.6	0 48.2	2.2	0.1	8.2 0.5
23	0 35.7	0 35.8	0 34.1	2.3	0.1	8.3 0.3	23	0 50.7	0 50.9	0 48.4	2.3	0.1	8.3 0.5
24	0 36.0	0 36.1	0 34.4	2.4	0.1	8.4 0.4	24	0 50.9	0 51.1	0 48.7	2.4	0.1	8.4 0.5
25	0 36.2	0 36.3	0 34.6	2.5	0.1	8.5 0.4	25	0 51.2	0 51.4	0 48.9	2.5	0.1	8.5 0.5
26	0 36.5	0 36.6	0 34.8	2.6	0.1	8.6 0.4	26	0 51.4	0 51.6	0 49.2	2.6	0.2	8.6 0.5
27	0 36.7	0 36.9	0 35.1	2.7	0.1	8.7 0.4	27	0 51.7	0 51.9	0 49.4	2.7	0.2	8.7 0.5
28	0 37.0	0 37.1	0 35.3	2.8	0.1	8.8 0.4	28	0 51.9	0 52.1	0 49.6	2.8	0.2	8.8 0.5
29	0 37.2	0 37.4	0 35.6	2.9	0.1	8.9 0.4	29	0 52.2	0 52.4	0 49.9	2.9	0.2	8.9 0.5
30	0 37.5	0 37.6	0 35.8	3.0	0.1	9.0 0.4	30	0 52.4	0 52.6	0 50.1	3.0	0.2	9.0 0.5
31	0 37.7	0 37.9	0 36.0	3.1	0.1	9.1 0.4	31	0 52.7	0 52.9	0 50.3	3.1	0.2	9.1 0.5
32	0 38.0	0 38.1	0 36.3	3.2	0.1	9.2 0.4	32	0 52.9	0 53.1	0 50.6	3.2	0.2	9.2 0.5
33	0 38.2	0 38.4	0 36.5	3.3	0.1	9.3 0.4	33	0 53.2	0 53.4	0 50.8	3.3	0.2	9.3 0.5
34	0 38.5	0 38.6	0 36.7	3.4	0.1	9.4 0.4	34	0 53.4	0 53.6	0 51.1	3.4	0.2	9.4 0.5
35	0 38.7	0 38.9	0 37.0	3.5	0.1	9.5 0.4	35	0 53.7	0 53.9	0 51.3	3.5	0.2	9.5 0.6
36	0 39.0	0 39.1	0 37.2	3.6	0.1	9.6 0.4	36	0 53.9	0 54.1	0 51.5	3.6	0.2	9.6 0.6
37	0 39.2	0 39.4	0 37.5	3.7	0.2	9.7 0.4	37	0 54.2	0 54.4	0 51.8	3.7	0.2	9.7 0.6
38	0 39.5	0 39.6	0 37.7	3.8	0.2	9.8 0.4	38	0 54.4	0 54.6	0 52.0	3.8	0.2	9.8 0.6
39	0 39.7	0 39.9	0 37.9	3.9	0.2	9.9 0.4	39	0 54.7	0 54.9	0 52.3	3.9	0.2	9.9 0.6
40	0 40.0	0 40.1	0 38.2	4.0	0.2	10.0 0.4	40	0 54.9	0 55.2	0 52.5	4.0	0.2	10.0 0.6
41	0 40.2	0 40.4	0 38.4	4.1	0.2	10.1 0.4	41	0 55.2	0 55.4	0 52.7	4.1	0.2	10.1 0.6
42	0 40.5	0 40.6	0 38.7	4.2	0.2	10.2 0.4	42	0 55.4	0 55.7	0 53.0	4.2	0.2	10.2 0.6
43	0 40.7	0 40.9	0 38.9	4.3	0.2	10.3 0.4	43	0 55.7	0 55.9	0 53.2	4.3	0.3	10.3 0.6
44	0 41.0	0 41.1	0 39.1	4.4	0.2	10.4 0.4	44	0 55.9	0 56.2	0 53.4	4.4	0.3	10.4 0.6
45	0 41.2	0 41.4	0 39.4	4.5	0.2	10.5 0.4	45	0 56.2	0 56.4	0 53.7	4.5	0.3	10.5 0.6
46	0 41.5	0 41.6	0 39.6	4.6	0.2	10.6 0.4	46	0 56.4	0 56.7	0 53.9	4.6	0.3	10.6 0.6
47	0 41.7	0 41.9	0 39.8	4.7	0.2	10.7 0.4	47	0 56.7	0 56.9	0 54.2	4.7	0.3	10.7 0.6
48	0 42.0	0 42.1	0 40.1	4.8	0.2	10.8 0.5	48	0 56.9	0 57.2	0 54.4	4.8	0.3	10.8 0.6
49	0 42.2	0 42.4	0 40.3	4.9	0.2	10.9 0.5	49	0 57.2	0 57.4	0 54.6	4.9	0.3	10.9 0.6
50	0 42.5	0 42.6	0 40.6	5.0	0.2	11.0 0.5	50	0 57.4	0 57.7	0 54.9	5.0	0.3	11.0 0.6
51	0 42.7	0 42.9	0 40.8	5.1	0.2	11.1 0.5	51	0 57.7	0 57.9	0 55.1	5.1	0.3	11.1 0.6
52	0 43.0	0 43.1	0 41.0	5.2	0.2	11.2 0.5	52	0 57.9	0 58.2	0 55.4	5.2	0.3	11.2 0.7
53	0 43.2	0 43.4	0 41.3	5.3	0.2	11.3 0.5	53	0 58.2	0 58.4	0 55.6	5.3	0.3	11.3 0.7
54	0 43.5	0 43.6	0 41.5	5.4	0.2	11.4 0.5	54	0 58.4	0 58.7	0 55.8	5.4	0.3	11.4 0.7
55	0 43.7	0 43.9	0 41.8	5.5	0.2	11.5 0.5	55	0 58.7	0 58.9	0 56.1	5.5	0.3	11.5 0.7
56	0 44.0	0 44.1	0 42.0	5.6	0.2	11.6 0.5	56	0 58.9	0 59.2	0 56.3	5.6	0.3	11.6 0.7
57	0 44.2	0 44.4	0 42.2	5.7	0.2	11.7 0.5	57	0 59.2	0 59.4	0 56.6	5.7	0.3	11.7 0.7
58	0 44.5	0 44.6	0 42.5	5.8	0.2	11.8 0.5	58	0 59.4	0 59.7	0 56.8	5.8	0.3	11.8 0.7
59	0 44.7	0 44.9	0 42.7	5.9	0.2	11.9 0.5	59	0 59.7	0 59.9	0 57.0	5.9	0.3	11.9 0.7
60	0 45.0	0 45.1	0 43.0	6.0	0.3	12.0 0.5	60	0 59.9	1 00.2	0 57.3	6.0	0.4	12.0 0.7

表1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

4 ^m							5 ^m								
4 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	5 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						太阳 行星 Sun Planets	春分点 Aries	月亮 Moon				
s	°	°	°	'	'	'	'	s	°	°	°	'	'	'	'
0	0 59.9	1 00.2	0 57.3	0.0	0.0	6.0	0.5	0	1 14.9	1 15.2	1 11.6	0.0	0.0	6.0	0.6
1	1 00.2	1 00.4	0 57.5	0.1	0.0	6.1	0.5	1	1 15.2	1 15.5	1 11.8	0.1	0.0	6.1	0.6
2	1 00.4	1 00.7	0 57.7	0.2	0.0	6.2	0.5	2	1 15.4	1 15.7	1 12.1	0.2	0.0	6.2	0.6
3	1 00.7	1 00.9	0 58.0	0.3	0.0	6.3	0.5	3	1 15.7	1 16.0	1 12.3	0.3	0.0	6.3	0.6
4	1 00.9	1 01.2	0 58.2	0.4	0.0	6.4	0.5	4	1 15.9	1 16.2	1 12.5	0.4	0.0	6.4	0.6
5	1 01.2	1 01.4	0 58.5	0.5	0.0	6.5	0.5	5	1 16.2	1 16.5	1 12.8	0.5	0.0	6.5	0.6
6	1 01.4	1 01.7	0 58.7	0.6	0.0	6.6	0.5	6	1 16.4	1 16.7	1 13.0	0.6	0.1	6.6	0.6
7	1 01.7	1 01.9	0 58.9	0.7	0.1	6.7	0.5	7	1 16.7	1 17.0	1 13.3	0.7	0.1	6.7	0.6
8	1 01.9	1 02.2	0 59.2	0.8	0.1	6.8	0.5	8	1 16.9	1 17.2	1 13.5	0.8	0.1	6.8	0.6
9	1 02.2	1 02.4	0 59.4	0.9	0.1	6.9	0.5	9	1 17.2	1 17.5	1 13.7	0.9	0.1	6.9	0.6
10	1 02.4	1 02.7	0 59.7	1.0	0.1	7.0	0.5	10	1 17.4	1 17.7	1 14.0	1.0	0.1	7.0	0.6
11	1 02.7	1 02.9	0 59.9	1.1	0.1	7.1	0.5	11	1 17.7	1 18.0	1 14.2	1.1	0.1	7.1	0.7
12	1 02.9	1 03.2	1 00.1	1.2	0.1	7.2	0.5	12	1 17.9	1 18.2	1 14.4	1.2	0.1	7.2	0.7
13	1 03.2	1 03.4	1 00.4	1.3	0.1	7.3	0.5	13	1 18.2	1 18.5	1 14.7	1.3	0.1	7.3	0.7
14	1 03.4	1 03.7	1 00.6	1.4	0.1	7.4	0.6	14	1 18.4	1 18.7	1 14.9	1.4	0.1	7.4	0.7
15	1 03.7	1 03.9	1 00.8	1.5	0.1	7.5	0.6	15	1 18.7	1 19.0	1 15.2	1.5	0.1	7.5	0.7
16	1 03.9	1 04.2	1 01.1	1.6	0.1	7.6	0.6	16	1 18.9	1 19.2	1 15.4	1.6	0.1	7.6	0.7
17	1 04.2	1 04.4	1 01.3	1.7	0.1	7.7	0.6	17	1 19.2	1 19.5	1 15.6	1.7	0.2	7.7	0.7
18	1 04.4	1 04.7	1 01.6	1.8	0.1	7.8	0.6	18	1 19.4	1 19.7	1 15.9	1.8	0.2	7.8	0.7
19	1 04.7	1 04.9	1 01.8	1.9	0.1	7.9	0.6	19	1 19.7	1 20.0	1 16.1	1.9	0.2	7.9	0.7
20	1 04.9	1 05.2	1 02.0	2.0	0.2	8.0	0.6	20	1 19.9	1 20.2	1 16.4	2.0	0.2	8.0	0.7
21	1 05.2	1 05.4	1 02.3	2.1	0.2	8.1	0.6	21	1 20.2	1 20.5	1 16.6	2.1	0.2	8.1	0.7
22	1 05.4	1 05.7	1 02.5	2.2	0.2	8.2	0.6	22	1 20.4	1 20.7	1 16.8	2.2	0.2	8.2	0.8
23	1 05.7	1 05.9	1 02.8	2.3	0.2	8.3	0.6	23	1 20.7	1 21.0	1 17.1	2.3	0.2	8.3	0.8
24	1 05.9	1 06.2	1 03.0	2.4	0.2	8.4	0.6	24	1 20.9	1 21.2	1 17.3	2.4	0.2	8.4	0.8
25	1 06.2	1 06.4	1 03.2	2.5	0.2	8.5	0.6	25	1 21.2	1 21.5	1 17.5	2.5	0.2	8.5	0.8
26	1 06.4	1 06.7	1 03.5	2.6	0.2	8.6	0.6	26	1 21.4	1 21.7	1 17.8	2.6	0.2	8.6	0.8
27	1 06.7	1 06.9	1 03.7	2.7	0.2	8.7	0.7	27	1 21.7	1 22.0	1 18.0	2.7	0.2	8.7	0.8
28	1 06.9	1 07.2	1 03.9	2.8	0.2	8.8	0.7	28	1 21.9	1 22.2	1 18.3	2.8	0.3	8.8	0.8
29	1 07.2	1 07.4	1 04.2	2.9	0.2	8.9	0.7	29	1 22.2	1 22.5	1 18.5	2.9	0.3	8.9	0.8
30	1 07.4	1 07.7	1 04.4	3.0	0.2	9.0	0.7	30	1 22.4	1 22.7	1 18.7	3.0	0.3	9.0	0.8
31	1 07.7	1 07.9	1 04.7	3.1	0.2	9.1	0.7	31	1 22.7	1 23.0	1 19.0	3.1	0.3	9.1	0.8
32	1 07.9	1 08.2	1 04.9	3.2	0.2	9.2	0.7	32	1 22.9	1 23.2	1 19.2	3.2	0.3	9.2	0.8
33	1 08.2	1 08.4	1 05.1	3.3	0.2	9.3	0.7	33	1 23.2	1 23.5	1 19.5	3.3	0.3	9.3	0.9
34	1 08.4	1 08.7	1 05.4	3.4	0.3	9.4	0.7	34	1 23.4	1 23.7	1 19.7	3.4	0.3	9.4	0.9
35	1 08.7	1 08.9	1 05.6	3.5	0.3	9.5	0.7	35	1 23.7	1 24.0	1 19.9	3.5	0.3	9.5	0.9
36	1 08.9	1 09.2	1 05.9	3.6	0.3	9.6	0.7	36	1 23.9	1 24.2	1 20.2	3.6	0.3	9.6	0.9
37	1 09.2	1 09.4	1 06.1	3.7	0.3	9.7	0.7	37	1 24.2	1 24.5	1 20.4	3.7	0.3	9.7	0.9
38	1 09.4	1 09.7	1 06.3	3.8	0.3	9.8	0.7	38	1 24.4	1 24.7	1 20.7	3.8	0.3	9.8	0.9
39	1 09.7	1 09.9	1 06.6	3.9	0.3	9.9	0.7	39	1 24.7	1 25.0	1 20.9	3.9	0.4	9.9	0.9
40	1 09.9	1 10.2	1 06.8	4.0	0.3	10.0	0.8	40	1 24.9	1 25.2	1 21.1	4.0	0.4	10.0	0.9
41	1 10.2	1 10.4	1 07.0	4.1	0.3	10.1	0.8	41	1 25.2	1 25.5	1 21.4	4.1	0.4	10.1	0.9
42	1 10.4	1 10.7	1 07.3	4.2	0.3	10.2	0.8	42	1 25.4	1 25.7	1 21.6	4.2	0.4	10.2	0.9
43	1 10.7	1 10.9	1 07.5	4.3	0.3	10.3	0.8	43	1 25.7	1 26.0	1 21.8	4.3	0.4	10.3	0.9
44	1 10.9	1 11.2	1 07.8	4.4	0.3	10.4	0.8	44	1 25.9	1 26.2	1 22.1	4.4	0.4	10.4	1.0
45	1 11.2	1 11.4	1 08.0	4.5	0.3	10.5	0.8	45	1 26.2	1 26.5	1 22.3	4.5	0.4	10.5	1.0
46	1 11.4	1 11.7	1 08.2	4.6	0.3	10.6	0.8	46	1 26.4	1 26.7	1 22.6	4.6	0.4	10.6	1.0
47	1 11.7	1 11.9	1 08.5	4.7	0.4	10.7	0.8	47	1 26.7	1 27.0	1 22.8	4.7	0.4	10.7	1.0
48	1 11.9	1 12.2	1 08.7	4.8	0.4	10.8	0.8	48	1 26.9	1 27.2	1 23.0	4.8	0.4	10.8	1.0
49	1 12.2	1 12.4	1 09.0	4.9	0.4	10.9	0.8	49	1 27.2	1 27.5	1 23.3	4.9	0.4	10.9	1.0
50	1 12.4	1 12.7	1 09.2	5.0	0.4	11.0	0.8	50	1 27.4	1 27.7	1 23.5	5.0	0.5	11.0	1.0
51	1 12.7	1 12.9	1 09.4	5.1	0.4	11.1	0.8	51	1 27.7	1 28.0	1 23.8	5.1	0.5	11.1	1.0
52	1 12.9	1 13.2	1 09.7	5.2	0.4	11.2	0.8	52	1 27.9	1 28.2	1 24.0	5.2	0.5	11.2	1.0
53	1 13.2	1 13.5	1 09.9	5.3	0.4	11.3	0.8	53	1 28.2	1 28.5	1 24.2	5.3	0.5	11.3	1.0
54	1 13.4	1 13.7	1 10.2	5.4	0.4	11.4	0.9	54	1 28.4	1 28.7	1 24.5	5.4	0.5	11.4	1.0
55	1 13.7	1 14.0	1 10.4	5.5	0.4	11.5	0.9	55	1 28.7	1 29.0	1 24.7	5.5	0.5	11.5	1.1
56	1 13.9	1 14.2	1 10.6	5.6	0.4	11.6	0.9	56	1 28.9	1 29.2	1 24.9	5.6	0.5	11.6	1.1
57	1 14.2	1 14.5	1 10.9	5.7	0.4	11.7	0.9	57	1 29.2	1 29.5	1 25.2	5.7	0.5	11.7	1.1
58	1 14.4	1 14.7	1 11.1	5.8	0.4	11.8	0.9	58	1 29.4	1 29.7	1 25.4	5.8	0.5	11.8	1.1
59	1 14.7	1 15.0	1 11.3	5.9	0.4	11.9	0.9	59	1 29.7	1 30.0	1 25.7	5.9	0.5	11.9	1.1
60	1 14.9	1 15.2	1 11.6	6.0	0.5	12.0	0.9	60	1 29.9	1 30.2	1 25.9	6.0	0.6	12.0	1.1

表1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

6 ^m								7 ^m							
6 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	7 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						太阳 行星 Sun Planets	春分点 Aries	月亮 Moon				
s	° /	° /	° /	/ /	/ /	/ /	/ /	s	° /	° /	° /	/ /	/ /	/ /	/ /
0	1 29.9	1 30.2	1 25.9	0.0 0.0		6.0 0.7	12.0 1.3	0	1 44.9	1 45.3	1 40.2	0.0 0.0		6.0 0.8	12.0 1.5
1	1 30.1	1 30.5	1 26.1	0.1 0.0		6.1 0.7	12.1 1.3	1	1 45.1	1 45.5	1 40.5	0.1 0.0		6.1 0.8	12.1 1.5
2	1 30.4	1 30.7	1 26.4	0.2 0.0		6.2 0.7	12.2 1.3	2	1 45.4	1 45.8	1 40.7	0.2 0.0		6.2 0.8	12.2 1.5
3	1 30.6	1 31.0	1 26.6	0.3 0.0		6.3 0.7	12.3 1.3	3	1 45.6	1 46.0	1 40.9	0.3 0.0		6.3 0.8	12.3 1.5
4	1 30.9	1 31.2	1 26.9	0.4 0.0		6.4 0.7	12.4 1.3	4	1 45.9	1 46.3	1 41.2	0.4 0.1		6.4 0.8	12.4 1.6
5	1 31.1	1 31.5	1 27.1	0.5 0.1		6.5 0.7	12.5 1.4	5	1 46.1	1 46.5	1 41.4	0.5 0.1		6.5 0.8	12.5 1.6
6	1 31.4	1 31.8	1 27.3	0.6 0.1		6.6 0.7	12.6 1.4	6	1 46.4	1 46.8	1 41.6	0.6 0.1		6.6 0.8	12.6 1.6
7	1 31.6	1 32.0	1 27.6	0.7 0.1		6.7 0.7	12.7 1.4	7	1 46.6	1 47.0	1 41.9	0.7 0.1		6.7 0.8	12.7 1.6
8	1 31.9	1 32.3	1 27.8	0.8 0.1		6.8 0.7	12.8 1.4	8	1 46.9	1 47.3	1 42.1	0.8 0.1		6.8 0.9	12.8 1.6
9	1 32.1	1 32.5	1 28.0	0.9 0.1		6.9 0.7	12.9 1.4	9	1 47.1	1 47.5	1 42.4	0.9 0.1		6.9 0.9	12.9 1.6
10	1 32.4	1 32.8	1 28.3	1.0 0.1		7.0 0.8	13.0 1.4	10	1 47.4	1 47.8	1 42.6	1.0 0.1		7.0 0.9	13.0 1.6
11	1 32.6	1 33.0	1 28.5	1.1 0.1		7.1 0.8	13.1 1.4	11	1 47.6	1 48.0	1 42.8	1.1 0.1		7.1 0.9	13.1 1.6
12	1 32.9	1 33.3	1 28.8	1.2 0.1		7.2 0.8	13.2 1.4	12	1 47.9	1 48.3	1 43.1	1.2 0.2		7.2 0.9	13.2 1.7
13	1 33.1	1 33.5	1 29.0	1.3 0.1		7.3 0.8	13.3 1.4	13	1 48.1	1 48.5	1 43.3	1.3 0.2		7.3 0.9	13.3 1.7
14	1 33.4	1 33.8	1 29.2	1.4 0.2		7.4 0.8	13.4 1.5	14	1 48.4	1 48.8	1 43.6	1.4 0.2		7.4 0.9	13.4 1.7
15	1 33.6	1 34.0	1 29.5	1.5 0.2		7.5 0.8	13.5 1.5	15	1 48.6	1 49.0	1 43.8	1.5 0.2		7.5 0.9	13.5 1.7
16	1 33.9	1 34.3	1 29.7	1.6 0.2		7.6 0.8	13.6 1.5	16	1 48.9	1 49.3	1 44.0	1.6 0.2		7.6 1.0	13.6 1.7
17	1 34.1	1 34.5	1 30.0	1.7 0.2		7.7 0.8	13.7 1.5	17	1 49.1	1 49.5	1 44.3	1.7 0.2		7.7 1.0	13.7 1.7
18	1 34.4	1 34.8	1 30.2	1.8 0.2		7.8 0.8	13.8 1.5	18	1 49.4	1 49.8	1 44.5	1.8 0.2		7.8 1.0	13.8 1.7
19	1 34.6	1 35.0	1 30.4	1.9 0.2		7.9 0.9	13.9 1.5	19	1 49.6	1 50.0	1 44.8	1.9 0.2		7.9 1.0	13.9 1.7
20	1 34.9	1 35.3	1 30.7	2.0 0.2		8.0 0.9	14.0 1.5	20	1 49.9	1 50.3	1 45.0	2.0 0.3		8.0 1.0	14.0 1.8
21	1 35.1	1 35.5	1 30.9	2.1 0.2		8.1 0.9	14.1 1.5	21	1 50.1	1 50.6	1 45.2	2.1 0.3		8.1 1.0	14.1 1.8
22	1 35.4	1 35.8	1 31.1	2.2 0.2		8.2 0.9	14.2 1.5	22	1 50.4	1 50.8	1 45.5	2.2 0.3		8.2 1.0	14.2 1.8
23	1 35.6	1 36.0	1 31.4	2.3 0.2		8.3 0.9	14.3 1.5	23	1 50.6	1 51.1	1 45.7	2.3 0.3		8.3 1.0	14.3 1.8
24	1 35.9	1 36.3	1 31.6	2.4 0.3		8.4 0.9	14.4 1.6	24	1 50.9	1 51.3	1 45.9	2.4 0.3		8.4 1.1	14.4 1.8
25	1 36.1	1 36.5	1 31.9	2.5 0.3		8.5 0.9	14.5 1.6	25	1 51.1	1 51.6	1 46.2	2.5 0.3		8.5 1.1	14.5 1.8
26	1 36.4	1 36.8	1 32.1	2.6 0.3		8.6 0.9	14.6 1.6	26	1 51.4	1 51.8	1 46.4	2.6 0.3		8.6 1.1	14.6 1.8
27	1 36.6	1 37.0	1 32.3	2.7 0.3		8.7 0.9	14.7 1.6	27	1 51.6	1 52.1	1 46.7	2.7 0.3		8.7 1.1	14.7 1.8
28	1 36.9	1 37.3	1 32.6	2.8 0.3		8.8 1.0	14.8 1.6	28	1 51.9	1 52.3	1 46.9	2.8 0.4		8.8 1.1	14.8 1.9
29	1 37.1	1 37.5	1 32.8	2.9 0.3		8.9 1.0	14.9 1.6	29	1 52.1	1 52.6	1 47.1	2.9 0.4		8.9 1.1	14.9 1.9
30	1 37.4	1 37.8	1 33.1	3.0 0.3		9.0 1.0	15.0 1.6	30	1 52.4	1 52.8	1 47.4	3.0 0.4		9.0 1.1	15.0 1.9
31	1 37.6	1 38.0	1 33.3	3.1 0.3		9.1 1.0	15.1 1.6	31	1 52.6	1 53.1	1 47.6	3.1 0.4		9.1 1.1	15.1 1.9
32	1 37.9	1 38.3	1 33.5	3.2 0.3		9.2 1.0	15.2 1.6	32	1 52.9	1 53.3	1 47.9	3.2 0.4		9.2 1.2	15.2 1.9
33	1 38.1	1 38.5	1 33.8	3.3 0.4		9.3 1.0	15.3 1.7	33	1 53.1	1 53.6	1 48.1	3.3 0.4		9.3 1.2	15.3 1.9
34	1 38.4	1 38.8	1 34.0	3.4 0.4		9.4 1.0	15.4 1.7	34	1 53.4	1 53.8	1 48.3	3.4 0.4		9.4 1.2	15.4 1.9
35	1 38.6	1 39.0	1 34.3	3.5 0.4		9.5 1.0	15.5 1.7	35	1 53.6	1 54.1	1 48.6	3.5 0.4		9.5 1.2	15.5 1.9
36	1 38.9	1 39.3	1 34.5	3.6 0.4		9.6 1.0	15.6 1.7	36	1 53.9	1 54.3	1 48.8	3.6 0.5		9.6 1.2	15.6 2.0
37	1 39.1	1 39.5	1 34.7	3.7 0.4		9.7 1.1	15.7 1.7	37	1 54.1	1 54.6	1 49.0	3.7 0.5		9.7 1.2	15.7 2.0
38	1 39.4	1 39.8	1 35.0	3.8 0.4		9.8 1.1	15.8 1.7	38	1 54.4	1 54.8	1 49.3	3.8 0.5		9.8 1.2	15.8 2.0
39	1 39.6	1 40.0	1 35.2	3.9 0.4		9.9 1.1	15.9 1.7	39	1 54.6	1 55.1	1 49.5	3.9 0.5		9.9 1.2	15.9 2.0
40	1 39.9	1 40.3	1 35.4	4.0 0.4		10.0 1.1	16.0 1.7	40	1 54.9	1 55.3	1 49.8	4.0 0.5		10.0 1.3	16.0 2.0
41	1 40.1	1 40.5	1 35.7	4.1 0.4		10.1 1.1	16.1 1.7	41	1 55.1	1 55.6	1 50.0	4.1 0.5		10.1 1.3	16.1 2.0
42	1 40.4	1 40.8	1 35.9	4.2 0.5		10.2 1.1	16.2 1.8	42	1 55.4	1 55.8	1 50.2	4.2 0.5		10.2 1.3	16.2 2.0
43	1 40.6	1 41.0	1 36.2	4.3 0.5		10.3 1.1	16.3 1.8	43	1 55.6	1 56.1	1 50.5	4.3 0.5		10.3 1.3	16.3 2.0
44	1 40.9	1 41.3	1 36.4	4.4 0.5		10.4 1.1	16.4 1.8	44	1 55.9	1 56.3	1 50.7	4.4 0.6		10.4 1.3	16.4 2.1
45	1 41.1	1 41.5	1 36.6	4.5 0.5		10.5 1.1	16.5 1.8	45	1 56.1	1 56.6	1 51.0	4.5 0.6		10.5 1.3	16.5 2.1
46	1 41.4	1 41.8	1 36.9	4.6 0.5		10.6 1.1	16.6 1.8	46	1 56.4	1 56.8	1 51.2	4.6 0.6		10.6 1.3	16.6 2.1
47	1 41.6	1 42.0	1 37.1	4.7 0.5		10.7 1.2	16.7 1.8	47	1 56.6	1 57.1	1 51.4	4.7 0.6		10.7 1.3	16.7 2.1
48	1 41.9	1 42.3	1 37.4	4.8 0.5		10.8 1.2	16.8 1.8	48	1 56.9	1 57.3	1 51.7	4.8 0.6		10.8 1.4	16.8 2.1
49	1 42.1	1 42.5	1 37.6	4.9 0.5		10.9 1.2	16.9 1.8	49	1 57.1	1 57.6	1 51.9	4.9 0.6		10.9 1.4	16.9 2.1
50	1 42.4	1 42.8	1 37.8	5.0 0.5		11.0 1.2	17.0 1.8	50	1 57.4	1 57.8	1 52.1	5.0 0.6		11.0 1.4	17.0 2.1
51	1 42.6	1 43.0	1 38.1	5.1 0.6		11.1 1.2	17.1 1.9	51	1 57.6	1 58.1	1 52.4	5.1 0.6		11.1 1.4	17.1 2.1
52	1 42.9	1 43.3	1 38.3	5.2 0.6		11.2 1.2	17.2 1.9	52	1 57.9	1 58.3	1 52.6	5.2 0.7		11.2 1.4	17.2 2.2
53	1 43.1	1 43.5	1 38.5	5.3 0.6		11.3 1.2	17.3 1.9	53	1 58.1	1 58.6	1 52.9	5.3 0.7		11.3 1.4	17.3 2.2
54	1 43.4	1 43.8	1 38.8	5.4 0.6		11.4 1.2	17.4 1.9	54	1 58.4	1 58.8	1 53.1	5.4 0.7		11.4 1.4	17.4 2.2
55	1 43.6	1 44.0	1 39.0	5.5 0.6		11.5 1.2	17.5 1.9	55	1 58.6	1 59.1	1 53.3	5.5 0.7		11.5 1.4	17.5 2.2
56	1 43.9	1 44.3	1 39.3	5.6 0.6		11.6 1.3	17.6 1.9	56	1 58.9	1 59.3	1 53.6	5.6 0.7		11.6 1.5	17.6 2.2
57	1 44.1	1 44.5	1 39.5	5.7 0.6		11.7 1.3	17.7 1.9	57	1 59.1	1 59.6	1 53.8	5.7 0.7		11.7 1.5	17.7 2.2
58	1 44.4	1 44.8	1 39.7	5.8 0.6		11.8 1.3	17.8 1.9	58	1 59.4	1 59.8	1 54.1	5.8 0.7		11.8 1.5	17.8 2.2
59	1 44.6	1 45.0	1 40.0	5.9 0.6		11.9 1.3	17.9 1.9	59	1 59.6	2 00.1	1 54.3	5.9 0.7		11.9 1.5	17.9 2.2
60	1 44.9	1 45.3	1 40.2	6.0 0.7		12.0 1.3	18.0 2.0	60	1 59.9	2 00.3	1 54.5	6.0 0.8		12.0 1.5	18.0 2.3

表 1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

8 ^m							9 ^m												
8 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	8 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值				
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						太阳 行星 Sun Planets	春分点 Aries	月亮 Moon								
s	°	°	°	'	'	'	'	s	°	°	°	'	'	'	'				
0	1 59.9	2 00.3	1 54.5	0.0	0.0	6.0	0.9	12.0	1.7	0	2 14.8	2 15.4	2 08.9	0.0	0.0	6.0	1.0	12.0	1.9
1	2 00.1	2 00.6	1 54.8	0.1	0.0	6.1	0.9	12.1	1.7	1	2 15.1	2 15.6	2 09.1	0.1	0.0	6.1	1.0	12.1	1.9
2	2 00.4	2 00.8	1 55.0	0.2	0.0	6.2	0.9	12.2	1.7	2	2 15.3	2 15.9	2 09.3	0.2	0.0	6.2	1.0	12.2	1.9
3	2 00.6	2 01.1	1 55.2	0.3	0.0	6.3	0.9	12.3	1.7	3	2 15.6	2 16.1	2 09.6	0.3	0.0	6.3	1.0	12.3	1.9
4	2 00.9	2 01.3	1 55.5	0.4	0.1	6.4	0.9	12.4	1.8	4	2 15.8	2 16.4	2 09.8	0.4	0.1	6.4	1.0	12.4	2.0
5	2 01.1	2 01.6	1 55.7	0.5	0.1	6.5	0.9	12.5	1.8	5	2 16.1	2 16.6	2 10.0	0.5	0.1	6.5	1.0	12.5	2.0
6	2 01.4	2 01.8	1 56.0	0.6	0.1	6.6	0.9	12.6	1.8	6	2 16.3	2 16.9	2 10.3	0.6	0.1	6.6	1.0	12.6	2.0
7	2 01.6	2 02.1	1 56.2	0.7	0.1	6.7	0.9	12.7	1.8	7	2 16.6	2 17.1	2 10.5	0.7	0.1	6.7	1.1	12.7	2.0
8	2 01.9	2 02.3	1 56.4	0.8	0.1	6.8	1.0	12.8	1.8	8	2 16.8	2 17.4	2 10.8	0.8	0.1	6.8	1.1	12.8	2.0
9	2 02.1	2 02.6	1 56.7	0.9	0.1	6.9	1.0	12.9	1.8	9	2 17.1	2 17.6	2 11.0	0.9	0.1	6.9	1.1	12.9	2.0
10	2 02.4	2 02.8	1 56.9	1.0	0.1	7.0	1.0	13.0	1.8	10	2 17.3	2 17.9	2 11.2	1.0	0.2	7.0	1.1	13.0	2.1
11	2 02.6	2 03.1	1 57.2	1.1	0.2	7.1	1.0	13.1	1.9	11	2 17.6	2 18.1	2 11.5	1.1	0.2	7.1	1.1	13.1	2.1
12	2 02.9	2 03.3	1 57.4	1.2	0.2	7.2	1.0	13.2	1.9	12	2 17.8	2 18.4	2 11.7	1.2	0.2	7.2	1.1	13.2	2.1
13	2 03.1	2 03.6	1 57.6	1.3	0.2	7.3	1.0	13.3	1.9	13	2 18.1	2 18.6	2 12.0	1.3	0.2	7.3	1.2	13.3	2.1
14	2 03.4	2 03.8	1 57.9	1.4	0.2	7.4	1.0	13.4	1.9	14	2 18.3	2 18.9	2 12.2	1.4	0.2	7.4	1.2	13.4	2.1
15	2 03.6	2 04.1	1 58.1	1.5	0.2	7.5	1.1	13.5	1.9	15	2 18.6	2 19.1	2 12.4	1.5	0.2	7.5	1.2	13.5	2.1
16	2 03.9	2 04.3	1 58.4	1.6	0.2	7.6	1.1	13.6	1.9	16	2 18.8	2 19.4	2 12.7	1.6	0.3	7.6	1.2	13.6	2.2
17	2 04.1	2 04.6	1 58.6	1.7	0.2	7.7	1.1	13.7	1.9	17	2 19.1	2 19.6	2 12.9	1.7	0.3	7.7	1.2	13.7	2.2
18	2 04.4	2 04.8	1 58.8	1.8	0.3	7.8	1.1	13.8	2.0	18	2 19.3	2 19.9	2 13.1	1.8	0.3	7.8	1.2	13.8	2.2
19	2 04.6	2 05.1	1 59.1	1.9	0.3	7.9	1.1	13.9	2.0	19	2 19.6	2 20.1	2 13.4	1.9	0.3	7.9	1.3	13.9	2.2
20	2 04.9	2 05.3	1 59.3	2.0	0.3	8.0	1.1	14.0	2.0	20	2 19.8	2 20.4	2 13.6	2.0	0.3	8.0	1.3	14.0	2.2
21	2 05.1	2 05.6	1 59.5	2.1	0.3	8.1	1.1	14.1	2.0	21	2 20.1	2 20.6	2 13.9	2.1	0.3	8.1	1.3	14.1	2.2
22	2 05.4	2 05.8	1 59.8	2.2	0.3	8.2	1.2	14.2	2.0	22	2 20.3	2 20.9	2 14.1	2.2	0.3	8.2	1.3	14.2	2.2
23	2 05.6	2 06.1	2 00.0	2.3	0.3	8.3	1.2	14.3	2.0	23	2 20.6	2 21.1	2 14.3	2.3	0.4	8.3	1.3	14.3	2.3
24	2 05.9	2 06.3	2 00.3	2.4	0.3	8.4	1.2	14.4	2.0	24	2 20.8	2 21.4	2 14.6	2.4	0.4	8.4	1.3	14.4	2.3
25	2 06.1	2 06.6	2 00.5	2.5	0.4	8.5	1.2	14.5	2.1	25	2 21.1	2 21.6	2 14.8	2.5	0.4	8.5	1.3	14.5	2.3
26	2 06.4	2 06.8	2 00.7	2.6	0.4	8.6	1.2	14.6	2.1	26	2 21.3	2 21.9	2 15.1	2.6	0.4	8.6	1.4	14.6	2.3
27	2 06.6	2 07.1	2 01.0	2.7	0.4	8.7	1.2	14.7	2.1	27	2 21.6	2 22.1	2 15.3	2.7	0.4	8.7	1.4	14.7	2.3
28	2 06.9	2 07.3	2 01.2	2.8	0.4	8.8	1.2	14.8	2.1	28	2 21.8	2 22.4	2 15.5	2.8	0.4	8.8	1.4	14.8	2.3
29	2 07.1	2 07.6	2 01.5	2.9	0.4	8.9	1.3	14.9	2.1	29	2 22.1	2 22.6	2 15.8	2.9	0.5	8.9	1.4	14.9	2.4
30	2 07.4	2 07.8	2 01.7	3.0	0.4	9.0	1.3	15.0	2.1	30	2 22.3	2 22.9	2 16.0	3.0	0.5	9.0	1.4	15.0	2.4
31	2 07.6	2 08.1	2 01.9	3.1	0.4	9.1	1.3	15.1	2.1	31	2 22.6	2 23.1	2 16.2	3.1	0.5	9.1	1.4	15.1	2.4
32	2 07.9	2 08.4	2 02.2	3.2	0.5	9.2	1.3	15.2	2.2	32	2 22.8	2 23.4	2 16.5	3.2	0.5	9.2	1.5	15.2	2.4
33	2 08.1	2 08.6	2 02.4	3.3	0.5	9.3	1.3	15.3	2.2	33	2 23.1	2 23.6	2 16.7	3.3	0.5	9.3	1.5	15.3	2.4
34	2 08.4	2 08.9	2 02.6	3.4	0.5	9.4	1.3	15.4	2.2	34	2 23.3	2 23.9	2 17.0	3.4	0.5	9.4	1.5	15.4	2.4
35	2 08.6	2 09.1	2 02.9	3.5	0.5	9.5	1.3	15.5	2.2	35	2 23.6	2 24.1	2 17.2	3.5	0.6	9.5	1.5	15.5	2.5
36	2 08.9	2 09.4	2 03.1	3.6	0.5	9.6	1.4	15.6	2.2	36	2 23.8	2 24.4	2 17.4	3.6	0.6	9.6	1.5	15.6	2.5
37	2 09.1	2 09.6	2 03.4	3.7	0.5	9.7	1.4	15.7	2.2	37	2 24.1	2 24.6	2 17.7	3.7	0.6	9.7	1.5	15.7	2.5
38	2 09.4	2 09.9	2 03.6	3.8	0.5	9.8	1.4	15.8	2.2	38	2 24.3	2 24.9	2 17.9	3.8	0.6	9.8	1.6	15.8	2.5
39	2 09.6	2 10.1	2 03.8	3.9	0.6	9.9	1.4	15.9	2.3	39	2 24.6	2 25.1	2 18.2	3.9	0.6	9.9	1.6	15.9	2.5
40	2 09.9	2 10.4	2 04.1	4.0	0.6	10.0	1.4	16.0	2.3	40	2 24.8	2 25.4	2 18.4	4.0	0.6	10.0	1.6	16.0	2.5
41	2 10.1	2 10.6	2 04.3	4.1	0.6	10.1	1.4	16.1	2.3	41	2 25.1	2 25.6	2 18.6	4.1	0.6	10.1	1.6	16.1	2.5
42	2 10.4	2 10.9	2 04.6	4.2	0.6	10.2	1.4	16.2	2.3	42	2 25.3	2 25.9	2 18.9	4.2	0.7	10.2	1.6	16.2	2.6
43	2 10.6	2 11.1	2 04.8	4.3	0.6	10.3	1.5	16.3	2.3	43	2 25.6	2 26.1	2 19.1	4.3	0.7	10.3	1.6	16.3	2.6
44	2 10.9	2 11.4	2 05.0	4.4	0.6	10.4	1.5	16.4	2.3	44	2 25.8	2 26.4	2 19.3	4.4	0.7	10.4	1.6	16.4	2.6
45	2 11.1	2 11.6	2 05.3	4.5	0.6	10.5	1.5	16.5	2.3	45	2 26.1	2 26.6	2 19.6	4.5	0.7	10.5	1.7	16.5	2.6
46	2 11.4	2 11.9	2 05.5	4.6	0.7	10.6	1.5	16.6	2.4	46	2 26.3	2 26.9	2 19.8	4.6	0.7	10.6	1.7	16.6	2.6
47	2 11.6	2 12.1	2 05.7	4.7	0.7	10.7	1.5	16.7	2.4	47	2 26.6	2 27.2	2 20.1	4.7	0.7	10.7	1.7	16.7	2.6
48	2 11.9	2 12.4	2 06.0	4.8	0.7	10.8	1.5	16.8	2.4	48	2 26.8	2 27.4	2 20.3	4.8	0.8	10.8	1.7	16.8	2.7
49	2 12.1	2 12.6	2 06.2	4.9	0.7	10.9	1.5	16.9	2.4	49	2 27.1	2 27.7	2 20.5	4.9	0.8	10.9	1.7	16.9	2.7
50	2 12.4	2 12.9	2 06.5	5.0	0.7	11.0	1.6	17.0	2.4	50	2 27.3	2 27.9	2 20.8	5.0	0.8	11.0	1.7	17.0	2.7
51	2 12.6	2 13.1	2 06.7	5.1	0.7	11.1	1.6	17.1	2.4	51	2 27.6	2 28.2	2 21.0	5.1	0.8	11.1	1.8	17.1	2.7
52	2 12.9	2 13.4	2 06.9	5.2	0.7	11.2	1.6	17.2	2.4	52	2 27.8	2 28.4	2 21.3	5.2	0.8	11.2	1.8	17.2	2.7
53	2 13.1	2 13.6	2 07.2	5.3	0.8	11.3	1.6	17.3	2.5	53	2 28.1	2 28.7	2 21.5	5.3	0.8	11.3	1.8	17.3	2.7
54	2 13.4	2 13.9	2 07.4	5.4	0.8	11.4	1.6	17.4	2.5	54	2 28.3	2 28.9	2 21.7	5.4	0.9	11.4	1.8	17.4	2.8
55	2 13.6	2 14.1	2 07.7	5.5	0.8	11.5	1.6	17.5	2.5	55	2 28.6	2 29.2	2 22.0	5.5	0.9	11.5	1.8	17.5	

表1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

10 ^m										11 ^m									
10 ^m	时角基本变量 Basic Variation in H.A.			Δ 或 Δ v or corr ⁿ d	订 正 值	Δ 或 Δ v or corr ⁿ d	订 正 值	Δ 或 Δ v or corr ⁿ d	订 正 值	11 ^m	时角基本变量 Basic Variation in H.A.			Δ 或 Δ v or corr ⁿ d	订 正 值	Δ 或 Δ v or corr ⁿ d	订 正 值	Δ 或 Δ v or corr ⁿ d	订 正 值
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon								太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						
s	° /	° /	° /	/ /	/ /	/ /	/ /	/ /	/ /	s	° /	° /	° /	/ /	/ /	/ /	/ /	/ /	/ /
0	2 29.8	2 30.4	2 23.2	0.0 0.0	6.0 1.1	12.0 2.1				0	2 44.8	2 45.5	2 37.5	0.0 0.0	6.0 1.2	12.0 2.3			
1	2 30.1	2 30.7	2 23.4	0.1 0.0	6.1 1.1	12.1 2.1				1	2 45.1	2 45.7	2 37.7	0.1 0.0	6.1 1.2	12.1 2.3			
2	2 30.3	2 30.9	2 23.6	0.2 0.0	6.2 1.1	12.2 2.1				2	2 45.3	2 46.0	2 38.0	0.2 0.0	6.2 1.2	12.2 2.3			
3	2 30.6	2 31.2	2 23.9	0.3 0.1	6.3 1.1	12.3 2.2				3	2 45.6	2 46.2	2 38.2	0.3 0.1	6.3 1.3	12.3 2.4			
4	2 30.8	2 31.4	2 24.1	0.4 0.1	6.4 1.1	12.4 2.2				4	2 45.8	2 46.5	2 38.4	0.4 0.1	6.4 1.2	12.4 2.4			
5	2 31.1	2 31.7	2 24.4	0.5 0.1	6.5 1.1	12.5 2.2				5	2 46.1	2 46.7	2 38.7	0.5 0.1	6.5 1.2	12.5 2.4			
6	2 31.3	2 31.9	2 24.6	0.6 0.1	6.6 1.2	12.6 2.2				6	2 46.3	2 47.0	2 38.9	0.6 0.1	6.6 1.3	12.6 2.4			
7	2 31.6	2 32.2	2 24.8	0.7 0.1	6.7 1.2	12.7 2.2				7	2 46.6	2 47.2	2 39.2	0.7 0.1	6.7 1.3	12.7 2.4			
8	2 31.8	2 32.4	2 25.1	0.8 0.1	6.8 1.2	12.8 2.2				8	2 46.8	2 47.5	2 39.4	0.8 0.2	6.8 1.3	12.8 2.5			
9	2 32.1	2 32.7	2 25.3	0.9 0.2	6.9 1.2	12.9 2.3				9	2 47.1	2 47.7	2 39.6	0.9 0.2	6.9 1.3	12.9 2.5			
10	2 32.3	2 32.9	2 25.6	1.0 0.2	7.0 1.2	13.0 2.3				10	2 47.3	2 48.0	2 39.9	1.0 0.2	7.0 1.3	13.0 2.5			
11	2 32.6	2 33.2	2 25.8	1.1 0.2	7.1 1.2	13.1 2.3				11	2 47.6	2 48.2	2 40.1	1.1 0.2	7.1 1.4	13.1 2.5			
12	2 32.8	2 33.4	2 26.0	1.2 0.2	7.2 1.3	13.2 2.3				12	2 47.8	2 48.5	2 40.3	1.2 0.2	7.2 1.4	13.2 2.5			
13	2 33.1	2 33.7	2 26.3	1.3 0.2	7.3 1.3	13.3 2.3				13	2 48.1	2 48.7	2 40.6	1.3 0.2	7.3 1.4	13.3 2.5			
14	2 33.3	2 33.9	2 26.5	1.4 0.2	7.4 1.3	13.4 2.3				14	2 48.3	2 49.0	2 40.8	1.4 0.3	7.4 1.4	13.4 2.6			
15	2 33.6	2 34.2	2 26.7	1.5 0.3	7.5 1.3	13.5 2.4				15	2 48.6	2 49.2	2 41.1	1.5 0.3	7.5 1.4	13.5 2.6			
16	2 33.8	2 34.4	2 27.0	1.6 0.3	7.6 1.3	13.6 2.4				16	2 48.8	2 49.5	2 41.3	1.6 0.3	7.6 1.5	13.6 2.6			
17	2 34.1	2 34.7	2 27.2	1.7 0.3	7.7 1.3	13.7 2.4				17	2 49.1	2 49.7	2 41.5	1.7 0.3	7.7 1.5	13.7 2.6			
18	2 34.3	2 34.9	2 27.5	1.8 0.3	7.8 1.4	13.8 2.4				18	2 49.3	2 50.0	2 41.8	1.8 0.3	7.8 1.5	13.8 2.6			
19	2 34.6	2 35.2	2 27.7	1.9 0.3	7.9 1.4	13.9 2.4				19	2 49.6	2 50.2	2 42.0	1.9 0.4	7.9 1.5	13.9 2.7			
20	2 34.8	2 35.4	2 27.9	2.0 0.4	8.0 1.4	14.0 2.5				20	2 49.8	2 50.5	2 42.3	2.0 0.4	8.0 1.5	14.0 2.7			
21	2 35.1	2 35.7	2 28.2	2.1 0.4	8.1 1.4	14.1 2.5				21	2 50.1	2 50.7	2 42.5	2.1 0.4	8.1 1.6	14.1 2.7			
22	2 35.3	2 35.9	2 28.4	2.2 0.4	8.2 1.4	14.2 2.5				22	2 50.3	2 51.0	2 42.7	2.2 0.4	8.2 1.6	14.2 2.7			
23	2 35.6	2 36.2	2 28.7	2.3 0.4	8.3 1.5	14.3 2.5				23	2 50.6	2 51.2	2 43.0	2.3 0.4	8.3 1.6	14.3 2.7			
24	2 35.8	2 36.4	2 28.9	2.4 0.4	8.4 1.5	14.4 2.5				24	2 50.8	2 51.5	2 43.2	2.4 0.5	8.4 1.6	14.4 2.8			
25	2 36.1	2 36.7	2 29.1	2.5 0.4	8.5 1.5	14.5 2.5				25	2 51.1	2 51.7	2 43.4	2.5 0.5	8.5 1.6	14.5 2.8			
26	2 36.3	2 36.9	2 29.4	2.6 0.5	8.6 1.5	14.6 2.6				26	2 51.3	2 52.0	2 43.7	2.6 0.5	8.6 1.6	14.6 2.8			
27	2 36.6	2 37.2	2 29.6	2.7 0.5	8.7 1.5	14.7 2.6				27	2 51.6	2 52.2	2 43.9	2.7 0.5	8.7 1.7	14.7 2.8			
28	2 36.8	2 37.4	2 29.8	2.8 0.5	8.8 1.5	14.8 2.6				28	2 51.8	2 52.5	2 44.2	2.8 0.5	8.8 1.7	14.8 2.8			
29	2 37.1	2 37.7	2 30.1	2.9 0.5	8.9 1.6	14.9 2.6				29	2 52.1	2 52.7	2 44.4	2.9 0.6	8.9 1.7	14.9 2.9			
30	2 37.3	2 37.9	2 30.3	3.0 0.5	9.0 1.6	15.0 2.6				30	2 52.3	2 53.0	2 44.6	3.0 0.6	9.0 1.7	15.0 2.9			
31	2 37.6	2 38.2	2 30.6	3.1 0.5	9.1 1.6	15.1 2.6				31	2 52.6	2 53.2	2 44.9	3.1 0.6	9.1 1.7	15.1 2.9			
32	2 37.8	2 38.4	2 30.8	3.2 0.6	9.2 1.6	15.2 2.7				32	2 52.8	2 53.5	2 45.1	3.2 0.6	9.2 1.8	15.2 2.9			
33	2 38.1	2 38.7	2 31.0	3.3 0.6	9.3 1.6	15.3 2.7				33	2 53.1	2 53.7	2 45.4	3.3 0.6	9.3 1.8	15.3 2.9			
34	2 38.3	2 38.9	2 31.3	3.4 0.6	9.4 1.6	15.4 2.7				34	2 53.3	2 54.0	2 45.6	3.4 0.7	9.4 1.8	15.4 3.0			
35	2 38.6	2 39.2	2 31.5	3.5 0.6	9.5 1.7	15.5 2.7				35	2 53.6	2 54.2	2 45.8	3.5 0.7	9.5 1.8	15.5 3.0			
36	2 38.8	2 39.4	2 31.8	3.6 0.6	9.6 1.7	15.6 2.7				36	2 53.8	2 54.5	2 46.1	3.6 0.7	9.6 1.8	15.6 3.0			
37	2 39.1	2 39.7	2 32.0	3.7 0.6	9.7 1.7	15.7 2.7				37	2 54.1	2 54.7	2 46.3	3.7 0.7	9.7 1.9	15.7 3.0			
38	2 39.3	2 39.9	2 32.2	3.8 0.7	9.8 1.7	15.8 2.8				38	2 54.3	2 55.0	2 46.6	3.8 0.7	9.8 1.9	15.8 3.0			
39	2 39.6	2 40.2	2 32.5	3.9 0.7	9.9 1.7	15.9 2.8				39	2 54.6	2 55.2	2 46.8	3.9 0.7	9.9 1.9	15.9 3.0			
40	2 39.8	2 40.4	2 32.7	4.0 0.7	10.0 1.8	16.0 2.8				40	2 54.8	2 55.5	2 47.0	4.0 0.8	10.0 1.9	16.0 3.1			
41	2 40.1	2 40.7	2 32.9	4.1 0.7	10.1 1.8	16.1 2.8				41	2 55.1	2 55.7	2 47.3	4.1 0.8	10.1 1.9	16.1 3.1			
42	2 40.3	2 40.9	2 33.2	4.2 0.7	10.2 1.8	16.2 2.8				42	2 55.3	2 56.0	2 47.5	4.2 0.8	10.2 2.0	16.2 3.1			
43	2 40.6	2 41.2	2 33.4	4.3 0.8	10.3 1.8	16.3 2.9				43	2 55.6	2 56.2	2 47.7	4.3 0.8	10.3 2.0	16.3 3.1			
44	2 40.8	2 41.4	2 33.7	4.4 0.8	10.4 1.8	16.4 2.9				44	2 55.8	2 56.5	2 48.0	4.4 0.8	10.4 2.0	16.4 3.1			
45	2 41.1	2 41.7	2 33.9	4.5 0.8	10.5 1.8	16.5 2.9				45	2 56.1	2 56.7	2 48.2	4.5 0.9	10.5 2.0	16.5 3.2			
46	2 41.3	2 41.9	2 34.1	4.6 0.8	10.6 1.9	16.6 2.9				46	2 56.3	2 57.0	2 48.5	4.6 0.9	10.6 2.0	16.6 3.2			
47	2 41.6	2 42.2	2 34.4	4.7 0.8	10.7 1.9	16.7 2.9				47	2 56.6	2 57.2	2 48.7	4.7 0.9	10.7 2.1	16.7 3.2			
48	2 41.8	2 42.4	2 34.6	4.8 0.8	10.8 1.9	16.8 2.9				48	2 56.8	2 57.5	2 48.9	4.8 0.9	10.8 2.1	16.8 3.2			
49	2 42.1	2 42.7	2 34.9	4.9 0.9	10.9 1.9	16.9 3.0				49	2 57.1	2 57.7	2 49.2	4.9 0.9	10.9 2.1	16.9 3.2			
50	2 42.3	2 42.9	2 35.1	5.0 0.9	11.0 1.9	17.0 3.0				50	2 57.3	2 58.0	2 49.4	5.0 1.0	11.0 2.1	17.0 3.3			
51	2 42.6	2 43.2	2 35.3	5.1 0.9	11.1 1.9	17.1 3.0				51	2 57.6	2 58.2	2 49.7	5.1 1.0	11.1 2.1	17.1 3.3			
52	2 42.8	2 43.4	2 35.6	5.2 0.9	11.2 2.0	17.2 3.0				52	2 57.8	2 58.5	2 49.9	5.2 1.0	11.2 2.1	17.2 3.3			
53	2 43.1	2 43.7	2 35.8	5.3 0.9	11.3 2.0	17.3 3.0				53	2 58.1	2 58.7	2 50.1	5.3 1.0	11.3 2.2	17.3 3.3			
54	2 43.3	2 43.9	2 36.1	5.4 0.9	11.4 2.0	17.4 3.0				54	2 58.3	2 59.0	2 50.4	5.4 1.0	11.4 2.2	17.4 3.3			
55	2 43.6	2 44.2	2 36.3	5.5 1.0	11.5 2.0	17.5 3.1				55	2 58.6	2 59.2	2 50.6	5.5 1.1	11.5 2.2	17.5 3.4			
56	2 43.8	2 44.4	2 36.5	5.6 1.0	11.6 2.0	17.6 3.1				56	2 58.8	2 59.5	2 50.8	5.6 1.1	11.6 2.2	17.6 3.4			
57	2 44.1	2 44.7	2 36.8	5.7 1.0	11.7 2.0	17.7 3.1				57	2 59.1	2 59.7	2 51.1	5.7 1.1	11.7 2.2	17.7 3.4			
58	2 44.3	2 45.0	2 37.0	5.8 1.0	11.8 2.1	17.8 3.1				58	2 59.3	2 60.0	2 51.3	5.8 1.1	11.8 2.3	17.8 3.4			
59	2 44.6	2 45.2	2 37.2	5.9 1.0	11.9 2.1	17.9 3.1				59	2 59.6	3 00.2	2 51.6	5.9 1.1	11.9 2.3	17.9 3.4			
60	2 44.8	2 45.5	2 37.5	6.0 1.1	12.0 2.1	18.0 3.2				60	2 59.8	3 00.5	2 51.8	6.0 1.2	12.0 2.3	18.0 3.5			

TABLE 1. INCREMENTS AND CORRECTIONS

13^m

12 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值 v or corr ⁿ d	△ 或 △ v or corr ⁿ d	订 正 值 v or corr ⁿ d	13 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值 v or corr ⁿ d	△ 或 △ v or corr ⁿ d	订 正 值 v or corr ⁿ d					
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						太阳 行星 Sun Planets	春分点 Aries	月亮 Moon									
s	°	'	°	'	°	'	°	'	s	°	'	°	'	°	'	°	'			
0	2 59.8	3 00.5	2 51.8	0.0 0.0	6.0 1.3	12.0 2.5	0	3 14.8	3 15.5	3 06.1	0.0 0.0	6.0 1.4	12.0 2.7	0	3 14.8	3 15.5	3 06.1	0.0 0.0	6.0 1.4	12.0 2.7
1	3 00.0	3 00.7	2 52.0	0.1 0.0	6.1 1.3	12.1 2.5	1	3 15.0	3 15.8	3 06.4	0.1 0.0	6.1 1.4	12.1 2.7	1	3 15.0	3 15.8	3 06.4	0.1 0.0	6.1 1.4	12.1 2.7
2	3 00.3	3 01.0	2 52.3	0.2 0.0	6.2 1.3	12.2 2.5	2	3 15.3	3 16.0	3 06.6	0.2 0.0	6.2 1.4	12.2 2.7	2	3 15.3	3 16.0	3 06.6	0.2 0.0	6.2 1.4	12.2 2.7
3	3 00.5	3 01.2	2 52.5	0.3 0.1	6.3 1.3	12.3 2.6	3	3 15.5	3 16.3	3 06.8	0.3 0.1	6.3 1.4	12.3 2.8	3	3 15.5	3 16.3	3 06.8	0.3 0.1	6.3 1.4	12.3 2.8
4	3 00.8	3 01.5	2 52.8	0.4 0.1	6.4 1.3	12.4 2.6	4	3 15.8	3 16.5	3 07.1	0.4 0.1	6.4 1.4	12.4 2.8	4	3 15.8	3 16.5	3 07.1	0.4 0.1	6.4 1.4	12.4 2.8
5	3 01.0	3 01.7	2 53.0	0.5 0.1	6.5 1.4	12.5 2.6	5	3 16.0	3 16.8	3 07.3	0.5 0.1	6.5 1.5	12.5 2.8	5	3 16.0	3 16.8	3 07.3	0.5 0.1	6.5 1.5	12.5 2.8
6	3 01.3	3 02.0	2 53.2	0.6 0.1	6.6 1.4	12.6 2.6	6	3 16.3	3 17.0	3 07.5	0.6 0.1	6.6 1.5	12.6 2.8	6	3 16.3	3 17.0	3 07.5	0.6 0.1	6.6 1.5	12.6 2.8
7	3 01.5	3 02.2	2 53.5	0.7 0.1	6.7 1.4	12.7 2.6	7	3 16.5	3 17.3	3 07.8	0.7 0.2	6.7 1.5	12.7 2.9	7	3 16.5	3 17.3	3 07.8	0.7 0.2	6.7 1.5	12.7 2.9
8	3 01.8	3 02.5	2 53.7	0.8 0.2	6.8 1.4	12.8 2.7	8	3 16.8	3 17.5	3 08.0	0.8 0.2	6.8 1.5	12.8 2.9	8	3 16.8	3 17.5	3 08.0	0.8 0.2	6.8 1.5	12.8 2.9
9	3 02.0	3 02.7	2 53.9	0.9 0.2	6.9 1.4	12.9 2.7	9	3 17.0	3 17.8	3 08.3	0.9 0.2	6.9 1.6	12.9 2.9	9	3 17.0	3 17.8	3 08.3	0.9 0.2	6.9 1.6	12.9 2.9
10	3 02.3	3 03.0	2 54.2	1.0 0.2	7.0 1.5	13.0 2.7	10	3 17.3	3 18.0	3 08.5	1.0 0.2	7.0 1.6	13.0 2.9	10	3 17.3	3 18.0	3 08.5	1.0 0.2	7.0 1.6	13.0 2.9
11	3 02.5	3 03.2	2 54.4	1.1 0.2	7.1 1.5	13.1 2.7	11	3 17.5	3 18.3	3 08.7	1.1 0.2	7.1 1.6	13.1 2.9	11	3 17.5	3 18.3	3 08.7	1.1 0.2	7.1 1.6	13.1 2.9
12	3 02.8	3 03.5	2 54.7	1.2 0.3	7.2 1.5	13.2 2.8	12	3 17.8	3 18.5	3 09.0	1.2 0.3	7.2 1.6	13.2 3.0	12	3 17.8	3 18.5	3 09.0	1.2 0.3	7.2 1.6	13.2 3.0
13	3 03.0	3 03.8	2 54.9	1.3 0.3	7.3 1.5	13.3 2.8	13	3 18.0	3 18.8	3 09.2	1.3 0.3	7.3 1.6	13.3 3.0	13	3 18.0	3 18.8	3 09.2	1.3 0.3	7.3 1.6	13.3 3.0
14	3 03.3	3 04.0	2 55.1	1.4 0.3	7.4 1.5	13.4 2.8	14	3 18.3	3 19.0	3 09.5	1.4 0.3	7.4 1.7	13.4 3.0	14	3 18.3	3 19.0	3 09.5	1.4 0.3	7.4 1.7	13.4 3.0
15	3 03.5	3 04.3	2 55.4	1.5 0.3	7.5 1.6	13.5 2.8	15	3 18.5	3 19.3	3 09.7	1.5 0.3	7.5 1.7	13.5 3.0	15	3 18.5	3 19.3	3 09.7	1.5 0.3	7.5 1.7	13.5 3.0
16	3 03.8	3 04.5	2 55.6	1.6 0.3	7.6 1.6	13.6 2.8	16	3 18.8	3 19.5	3 09.9	1.6 0.4	7.6 1.7	13.6 3.1	16	3 18.8	3 19.5	3 09.9	1.6 0.4	7.6 1.7	13.6 3.1
17	3 04.0	3 04.8	2 55.9	1.7 0.4	7.7 1.6	13.7 2.9	17	3 19.0	3 19.8	3 10.2	1.7 0.4	7.7 1.7	13.7 3.1	17	3 19.0	3 19.8	3 10.2	1.7 0.4	7.7 1.7	13.7 3.1
18	3 04.3	3 05.0	2 56.1	1.8 0.4	7.8 1.6	13.8 2.9	18	3 19.3	3 20.0	3 10.4	1.8 0.4	7.8 1.8	13.8 3.1	18	3 19.3	3 20.0	3 10.4	1.8 0.4	7.8 1.8	13.8 3.1
19	3 04.5	3 05.3	2 56.3	1.9 0.4	7.9 1.6	13.9 2.9	19	3 19.5	3 20.3	3 10.7	1.9 0.4	7.9 1.8	13.9 3.1	19	3 19.5	3 20.3	3 10.7	1.9 0.4	7.9 1.8	13.9 3.1
20	3 04.8	3 05.5	2 56.6	2.0 0.4	8.0 1.7	14.0 2.9	20	3 19.8	3 20.5	3 10.9	2.0 0.5	8.0 1.8	14.0 3.2	20	3 19.8	3 20.5	3 10.9	2.0 0.5	8.0 1.8	14.0 3.2
21	3 05.0	3 05.8	2 56.8	2.1 0.4	8.1 1.7	14.1 2.9	21	3 20.0	3 20.8	3 11.1	2.1 0.5	8.1 1.8	14.1 3.2	21	3 20.0	3 20.8	3 11.1	2.1 0.5	8.1 1.8	14.1 3.2
22	3 05.3	3 06.0	2 57.0	2.2 0.5	8.2 1.7	14.2 3.0	22	3 20.3	3 21.0	3 11.4	2.2 0.5	8.2 1.8	14.2 3.2	22	3 20.3	3 21.0	3 11.4	2.2 0.5	8.2 1.8	14.2 3.2
23	3 05.5	3 06.3	2 57.3	2.3 0.5	8.3 1.7	14.3 3.0	23	3 20.5	3 21.3	3 11.6	2.3 0.5	8.3 1.9	14.3 3.2	23	3 20.5	3 21.3	3 11.6	2.3 0.5	8.3 1.9	14.3 3.2
24	3 05.8	3 06.5	2 57.5	2.4 0.5	8.4 1.7	14.4 3.0	24	3 20.8	3 21.6	3 11.8	2.4 0.5	8.4 1.9	14.4 3.2	24	3 20.8	3 21.6	3 11.8	2.4 0.5	8.4 1.9	14.4 3.2
25	3 06.0	3 06.8	2 57.8	2.5 0.5	8.5 1.8	14.5 3.0	25	3 21.0	3 21.8	3 12.1	2.5 0.6	8.5 1.9	14.5 3.3	25	3 21.0	3 21.8	3 12.1	2.5 0.6	8.5 1.9	14.5 3.3
26	3 06.3	3 07.0	2 58.0	2.6 0.5	8.6 1.8	14.6 3.0	26	3 21.3	3 22.1	3 12.3	2.6 0.6	8.6 1.9	14.6 3.3	26	3 21.3	3 22.1	3 12.3	2.6 0.6	8.6 1.9	14.6 3.3
27	3 06.5	3 07.3	2 58.2	2.7 0.6	8.7 1.8	14.7 3.1	27	3 21.5	3 22.3	3 12.6	2.7 0.6	8.7 2.0	14.7 3.3	27	3 21.5	3 22.3	3 12.6	2.7 0.6	8.7 2.0	14.7 3.3
28	3 06.8	3 07.5	2 58.5	2.8 0.6	8.8 1.8	14.8 3.1	28	3 21.8	3 22.6	3 12.8	2.8 0.6	8.8 2.0	14.8 3.3	28	3 21.8	3 22.6	3 12.8	2.8 0.6	8.8 2.0	14.8 3.3
29	3 07.0	3 07.8	2 58.7	2.9 0.6	8.9 1.9	14.9 3.1	29	3 22.0	3 22.8	3 13.0	2.9 0.7	8.9 2.0	14.9 3.4	29	3 22.0	3 22.8	3 13.0	2.9 0.7	8.9 2.0	14.9 3.4
30	3 07.3	3 08.0	2 59.0	3.0 0.6	9.0 1.9	15.0 3.1	30	3 22.3	3 23.1	3 13.3	3.0 0.7	9.0 2.0	15.0 3.4	30	3 22.3	3 23.1	3 13.3	3.0 0.7	9.0 2.0	15.0 3.4
31	3 07.5	3 08.3	2 59.2	3.1 0.6	9.1 1.9	15.1 3.1	31	3 22.5	3 23.3	3 13.5	3.1 0.7	9.1 2.0	15.1 3.4	31	3 22.5	3 23.3	3 13.5	3.1 0.7	9.1 2.0	15.1 3.4
32	3 07.8	3 08.5	2 59.4	3.2 0.7	9.2 1.9	15.2 3.2	32	3 22.8	3 23.6	3 13.8	3.2 0.7	9.2 2.1	15.2 3.4	32	3 22.8	3 23.6	3 13.8	3.2 0.7	9.2 2.1	15.2 3.4
33	3 08.0	3 08.8	2 59.7	3.3 0.7	9.3 1.9	15.3 3.2	33	3 23.0	3 23.8	3 14.0	3.3 0.7	9.3 2.1	15.3 3.4	33	3 23.0	3 23.8	3 14.0	3.3 0.7	9.3 2.1	15.3 3.4
34	3 08.3	3 09.0	2 59.9	3.4 0.7	9.4 2.0	15.4 3.2	34	3 23.3	3 24.1	3 14.2	3.4 0.8	9.4 2.1	15.4 3.5	34	3 23.3	3 24.1	3 14.2	3.4 0.8	9.4 2.1	15.4 3.5
35	3 08.5	3 09.3	3 00.2	3.5 0.7	9.5 2.0	15.5 3.2	35	3 23.5	3 24.3	3 14.5	3.5 0.8	9.5 2.1	15.5 3.5	35	3 23.5	3 24.3	3 14.5	3.5 0.8	9.5 2.1	15.5 3.5
36	3 08.8	3 09.5	3 00.4	3.6 0.8	9.6 2.0	15.6 3.3	36	3 23.8	3 24.6	3 14.7	3.6 0.8	9.6 2.2	15.6 3.5	36	3 23.8	3 24.6	3 14.7	3.6 0.8	9.6 2.2	15.6 3.5
37	3 09.0	3 09.8	3 00.6	3.7 0.8	9.7 2.0	15.7 3.3	37	3 24.0	3 24.8	3 14.9	3.7 0.8	9.7 2.2	15.7 3.5	37	3 24.0	3 24.8	3 14.9	3.7 0.8	9.7 2.2	15.7 3.5
38	3 09.3	3 10.0	3 00.9	3.8 0.8	9.8 2.0	15.8 3.3	38	3 24.3	3 25.1	3 15.2	3.8 0.9	9.8 2.2	15.8 3.6	38	3 24.3	3 25.1	3 15.2	3.8 0.9	9.8 2.2	15.8 3.6
39	3 09.5	3 10.3	3 01.1	3.9 0.8	9.9 2.1	15.9 3.3	39	3 24.5	3 25.3	3 15.4	3.9 0.9	9.9 2.2	15.9 3.6	39	3 24.5	3 25.3	3 15.4	3.9 0.9	9.9 2.2	15.9 3.6
40	3 09.8	3 10.5	3 01.3	4.0 0.8	10.0 2.1	16.0 3.3	40	3 24.8	3 25.6	3 15.7	4.0 0.9	10.0 2.3	16.0 3.6	40	3 24.8	3 25.6	3 15.7	4.0 0.9	10.0 2.3	16.0 3.6
41	3 10.0	3 10.8	3 01.6	4.1 0.9	10.1 2.1	16.1 3.4	41	3 25.0	3 25.8	3 15.9	4.1 0.9	10.1 2.3	16.1 3.6	41	3 25.0	3 25.8	3 15.9	4.1 0.9	10.1 2.3	16.1 3.6
42	3 10.3	3 11.0	3 01.8	4.2 0.9	10.2 2.1	16.2 3.4	42	3 25.3	3 26.1	3 16.1	4.2 0.9	10.2 2.3	16.2 3.6	42	3 25.3	3 26.1	3 16.1	4.2 0.9	10.2 2.3	16.2 3.6
43	3 10.5	3 11.3	3 02.1	4.3 0.9	10.3 2.1	16.3 3.4	43	3 25.5	3 26.3	3 16.4	4.3 1.0	10.3 2.3	16.3 3.7	43	3 25.5	3 26.3	3 16.4	4.3 1.0	10.3 2.3	16.3 3.7
44	3 10.8	3 11.5	3 02.3	4.4 0.9	10.4 2.2	16.4 3.4	44	3 25.8	3 26.6	3 16.6	4.4 1.0	10.4 2.3	16.4 3.7	44	3 25.8	3 26.6	3 16.6	4.4 1.0	10.4 2.3	16.4 3.7
45	3 11.0	3 11.8	3 02.5	4.5 0.9	10.5 2.2	16.5 3.4	45	3 26.0	3 26.8	3 16.9	4.5 1.0	10.5 2.4	16.5 3.7	45	3 26.0	3 26.8	3 16.9	4.5 1.0	10.5 2.4	16.5 3.7
46	3 11.3	3 12.0	3 02.8	4.6 1.0	10.6 2.2	16.6 3.5	46	3 26.3	3 27.1	3 17.1	4.6 1.0	10.6 2.4	16.6 3.7	46	3 26.3	3 27.1	3 17.1	4.6 1.0	10.6 2.4	16.6 3.7
47	3 11.5	3 12.3	3 03.0	4.7 1.0	10.7 2.2	16.7 3.5	47	3 26.5	3 27.3	3 17.3	4.7 1.1	10.7 2.4	16.7 3.8	47	3 26.5	3 27.3	3 17.3	4.7 1.1	10.7 2.4	16.7 3.8
48	3 11.8	3 12.5	3 03.3	4.8 1.0	10.8 2.3	16.8 3.5	48	3 26.8	3 27.6	3 17.6	4.8 1.1	10.8 2.4	16.8 3.8	48	3 26.8	3 27.6	3 17.6	4.8 1.1	10.8 2.4	16.8 3.8
49	3 12.0	3 12.8	3 03.5	4.9 1.0	10.9 2.3	16.9 3.5	49	3 27.0	3 27.8	3 17.8	4.9 1.1	10.9 2.5	16.9 3.8	49	3 27.0	3 27.8	3 17.8	4.9 1.1	10.9 2.5	16.9 3.8
50	3 12.3	3 13.0	3 03.7	5.0 1.0	11.0 2.3	17.0 3.5	50	3 27.3												

表1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

14 ^m										15 ^m									
14 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	15 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon								太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						
	s ° ' "	s ° ' "	s ° ' "								s ° ' "	s ° ' "	s ° ' "						
0	3 29.8	3 30.6	3 20.4	0.0	0.0	6.0	1.5	12.0	2.9	0	3 44.8	3 45.6	3 34.8	0.0	0.0	6.0	1.6	12.0	3.1
1	3 30.0	3 30.8	3 20.7	0.1	0.0	6.1	1.5	12.1	2.9	1	3 45.0	3 45.9	3 35.0	0.1	0.0	6.1	1.6	12.1	3.1
2	3 30.3	3 31.1	3 20.9	0.2	0.0	6.2	1.5	12.2	2.9	2	3 45.2	3 46.1	3 35.2	0.2	0.1	6.2	1.6	12.2	3.2
3	3 30.5	3 31.3	3 21.1	0.3	0.1	6.3	1.5	12.3	3.0	3	3 45.5	3 46.4	3 35.5	0.3	0.1	6.3	1.6	12.3	3.2
4	3 30.8	3 31.6	3 21.4	0.4	0.1	6.4	1.5	12.4	3.0	4	3 45.7	3 46.6	3 35.7	0.4	0.1	6.4	1.7	12.4	3.2
5	3 31.0	3 31.8	3 21.6	0.5	0.1	6.5	1.6	12.5	3.0	5	3 46.0	3 46.9	3 35.9	0.5	0.1	6.5	1.7	12.5	3.2
6	3 31.3	3 32.1	3 21.9	0.6	0.1	6.6	1.6	12.6	3.0	6	3 46.2	3 47.1	3 36.2	0.6	0.2	6.6	1.7	12.6	3.3
7	3 31.5	3 32.3	3 22.1	0.7	0.2	6.7	1.6	12.7	3.1	7	3 46.5	3 47.4	3 36.4	0.7	0.2	6.7	1.7	12.7	3.3
8	3 31.8	3 32.6	3 22.3	0.8	0.2	6.8	1.6	12.8	3.1	8	3 46.7	3 47.6	3 36.7	0.8	0.2	6.8	1.8	12.8	3.3
9	3 32.0	3 32.8	3 22.6	0.9	0.2	6.9	1.7	12.9	3.1	9	3 47.0	3 47.9	3 36.9	0.9	0.2	6.9	1.8	12.9	3.3
10	3 32.3	3 33.1	3 22.8	1.0	0.2	7.0	1.7	13.0	3.1	10	3 47.2	3 48.1	3 37.1	1.0	0.3	7.0	1.8	13.0	3.4
11	3 32.5	3 33.3	3 23.1	1.1	0.3	7.1	1.7	13.1	3.2	11	3 47.5	3 48.4	3 37.4	1.1	0.3	7.1	1.8	13.1	3.4
12	3 32.8	3 33.6	3 23.3	1.2	0.3	7.2	1.7	13.2	3.2	12	3 47.7	3 48.6	3 37.6	1.2	0.3	7.2	1.9	13.2	3.4
13	3 33.0	3 33.8	3 23.5	1.3	0.3	7.3	1.8	13.3	3.2	13	3 48.0	3 48.9	3 37.9	1.3	0.3	7.3	1.9	13.3	3.4
14	3 33.3	3 34.1	3 23.8	1.4	0.3	7.4	1.8	13.4	3.2	14	3 48.2	3 49.1	3 38.1	1.4	0.4	7.4	1.9	13.4	3.5
15	3 33.5	3 34.3	3 24.0	1.5	0.4	7.5	1.8	13.5	3.3	15	3 48.5	3 49.4	3 38.3	1.5	0.4	7.5	1.9	13.5	3.5
16	3 33.8	3 34.6	3 24.3	1.6	0.4	7.6	1.8	13.6	3.3	16	3 48.7	3 49.6	3 38.6	1.6	0.4	7.6	2.0	13.6	3.5
17	3 34.0	3 34.8	3 24.5	1.7	0.4	7.7	1.9	13.7	3.3	17	3 49.0	3 49.9	3 38.8	1.7	0.4	7.7	2.0	13.7	3.5
18	3 34.3	3 35.1	3 24.7	1.8	0.4	7.8	1.9	13.8	3.3	18	3 49.2	3 50.1	3 39.0	1.8	0.5	7.8	2.0	13.8	3.6
19	3 34.5	3 35.3	3 25.0	1.9	0.5	7.9	1.9	13.9	3.4	19	3 49.5	3 50.4	3 39.3	1.9	0.5	7.9	2.0	13.9	3.6
20	3 34.8	3 35.6	3 25.2	2.0	0.5	8.0	1.9	14.0	3.4	20	3 49.7	3 50.6	3 39.5	2.0	0.5	8.0	2.1	14.0	3.6
21	3 35.0	3 35.8	3 25.4	2.1	0.5	8.1	2.0	14.1	3.4	21	3 50.0	3 50.9	3 39.8	2.1	0.5	8.1	2.1	14.1	3.6
22	3 35.3	3 36.1	3 25.7	2.2	0.5	8.2	2.0	14.2	3.4	22	3 50.2	3 51.1	3 40.0	2.2	0.6	8.2	2.1	14.2	3.7
23	3 35.5	3 36.3	3 25.9	2.3	0.6	8.3	2.0	14.3	3.5	23	3 50.5	3 51.4	3 40.2	2.3	0.6	8.3	2.1	14.3	3.7
24	3 35.8	3 36.6	3 26.2	2.4	0.6	8.4	2.0	14.4	3.5	24	3 50.7	3 51.6	3 40.5	2.4	0.6	8.4	2.2	14.4	3.7
25	3 36.0	3 36.8	3 26.4	2.5	0.6	8.5	2.1	14.5	3.5	25	3 51.0	3 51.9	3 40.7	2.5	0.6	8.5	2.2	14.5	3.7
26	3 36.3	3 37.1	3 26.6	2.6	0.6	8.6	2.1	14.6	3.5	26	3 51.2	3 52.1	3 41.0	2.6	0.7	8.6	2.2	14.6	3.8
27	3 36.5	3 37.3	3 26.9	2.7	0.7	8.7	2.1	14.7	3.6	27	3 51.5	3 52.4	3 41.2	2.7	0.7	8.7	2.2	14.7	3.8
28	3 36.8	3 37.6	3 27.1	2.8	0.7	8.8	2.1	14.8	3.6	28	3 51.7	3 52.6	3 41.4	2.8	0.7	8.8	2.3	14.8	3.8
29	3 37.0	3 37.8	3 27.4	2.9	0.7	8.9	2.2	14.9	3.6	29	3 52.0	3 52.9	3 41.7	2.9	0.7	8.9	2.3	14.9	3.8
30	3 37.3	3 38.1	3 27.6	3.0	0.7	9.0	2.2	15.0	3.6	30	3 52.2	3 53.1	3 41.9	3.0	0.8	9.0	2.3	15.0	3.9
31	3 37.5	3 38.3	3 27.8	3.1	0.7	9.1	2.2	15.1	3.6	31	3 52.5	3 53.4	3 42.1	3.1	0.8	9.1	2.4	15.1	3.9
32	3 37.8	3 38.6	3 28.1	3.2	0.8	9.2	2.2	15.2	3.7	32	3 52.7	3 53.6	3 42.4	3.2	0.8	9.2	2.4	15.2	3.9
33	3 38.0	3 38.8	3 28.3	3.3	0.8	9.3	2.2	15.3	3.7	33	3 53.0	3 53.9	3 42.6	3.3	0.9	9.3	2.4	15.3	4.0
34	3 38.3	3 39.1	3 28.5	3.4	0.8	9.4	2.3	15.4	3.7	34	3 53.2	3 54.1	3 42.9	3.4	0.9	9.4	2.4	15.4	4.0
35	3 38.5	3 39.3	3 28.8	3.5	0.8	9.5	2.3	15.5	3.7	35	3 53.5	3 54.4	3 43.1	3.5	0.9	9.5	2.5	15.5	4.0
36	3 38.8	3 39.6	3 29.0	3.6	0.9	9.6	2.3	15.6	3.8	36	3 53.7	3 54.6	3 43.3	3.6	0.9	9.6	2.5	15.6	4.0
37	3 39.0	3 39.8	3 29.3	3.7	0.9	9.7	2.3	15.7	3.8	37	3 54.0	3 54.9	3 43.6	3.7	1.0	9.7	2.5	15.7	4.1
38	3 39.3	3 40.1	3 29.5	3.8	0.9	9.8	2.4	15.8	3.8	38	3 54.2	3 55.1	3 43.8	3.8	1.0	9.8	2.5	15.8	4.1
39	3 39.5	3 40.4	3 29.7	3.9	0.9	9.9	2.4	15.9	3.8	39	3 54.5	3 55.4	3 44.1	3.9	1.0	9.9	2.6	15.9	4.1
40	3 39.8	3 40.6	3 30.0	4.0	1.0	10.0	2.4	16.0	3.9	40	3 54.7	3 55.6	3 44.3	4.0	1.0	10.0	2.6	16.0	4.1
41	3 40.0	3 40.9	3 30.2	4.1	1.0	10.1	2.4	16.1	3.9	41	3 55.0	3 55.9	3 44.5	4.1	1.1	10.1	2.6	16.1	4.2
42	3 40.3	3 41.1	3 30.5	4.2	1.0	10.2	2.5	16.2	3.9	42	3 55.2	3 56.1	3 44.8	4.2	1.1	10.2	2.6	16.2	4.2
43	3 40.5	3 41.4	3 30.7	4.3	1.0	10.3	2.5	16.3	3.9	43	3 55.5	3 56.4	3 45.0	4.3	1.1	10.3	2.7	16.3	4.2
44	3 40.8	3 41.6	3 30.9	4.4	1.1	10.4	2.5	16.4	4.0	44	3 55.7	3 56.6	3 45.2	4.4	1.1	10.4	2.7	16.4	4.2
45	3 41.0	3 41.9	3 31.2	4.5	1.1	10.5	2.5	16.5	4.0	45	3 56.0	3 56.9	3 45.5	4.5	1.2	10.5	2.7	16.5	4.3
46	3 41.3	3 42.1	3 31.4	4.6	1.1	10.6	2.6	16.6	4.0	46	3 56.2	3 57.1	3 45.7	4.6	1.2	10.6	2.7	16.6	4.3
47	3 41.5	3 42.4	3 31.6	4.7	1.1	10.7	2.6	16.7	4.0	47	3 56.5	3 57.4	3 46.0	4.7	1.2	10.7	2.8	16.7	4.3
48	3 41.8	3 42.6	3 31.9	4.8	1.2	10.8	2.6	16.8	4.1	48	3 56.7	3 57.6	3 46.2	4.8	1.2	10.8	2.8	16.8	4.3
49	3 42.0	3 42.9	3 32.1	4.9	1.2	10.9	2.6	16.9	4.1	49	3 57.0	3 57.9	3 46.4	4.9	1.3	10.9	2.8	16.9	4.4
50	3 42.3	3 43.1	3 32.4	5.0	1.2	11.0	2.7	17.0	4.1	50	3 57.2	3 58.2	3 46.7	5.0	1.3	11.0	2.8	17.0	4.4
51	3 42.5	3 43.4	3 32.6	5.1	1.2	11.1	2.7	17.1	4.1	51	3 57.5	3 58.4	3 46.9	5.1	1.3	11.1	2.9	17.1	4.4
52	3 42.8	3 43.6	3 32.8	5.2	1.3	11.2	2.7	17.2	4.2	52	3 57.7	3 58.7	3 47.2	5.2	1.3	11.2	2.9	17.2	4.4
53	3 43.0	3 43.9	3 33.1	5.3	1.3	11.3	2.7	17.3	4.2	53	3 58.0	3 58.9	3 47.4	5.3	1.4	11.3	2.9	17.3	4.5
54	3 43.3	3 44.1	3 33.3	5.4	1.3	11.4	2.8	17.4	4.2	54	3 58.2	3 59.2	3 47.6	5.4	1.4	11.4	2.9	17.4	4.5
55	3 43.5	3 44.4	3 33.6	5.5	1.3	11.5	2.8	17.5	4.2	55	3 58.5	3 59.4	3 47.9	5.5	1.4	11.5	3.0	17.5	4.5
56	3 43.8	3 44.6	3 33.8	5.6	1.4	11.6	2.8	17.6	4.3	56	3 58.7	3 59.7	3 48.1	5.6	1.4	11.6	3.0	17.6	4.5
57	3 44.0	3 44.9	3 34.0	5.7	1.4	11.7	2.8	17.7	4.3	57	3 59.0	3 59.9	3 48.4	5.7	1.5	11.7	3.0	17.7	4.6
58	3 44.3	3 45.1	3 34.3	5.8	1.4	11.8	2.9	17.8	4.3	58	3 59.2	4 00.2	3 48.6	5.8	1.5	11.8	3.0	17.8	4.6
59	3 44.5	3 45.4	3 34.5	5.9	1.4	11.9	2.9	17.9	4.3	59	3 59.5	4 00.4	3 48.8	5.9	1.5	11.9	3.1	17.9	4.6
60	3 44.8	3 45.6	3 34.8	6.0	1.5	12.0	2.9	18.0	4.4	60	3 59.7	4 00.7	3 49.1	6.0	1.6	12.0	3.1	18.0	4.7

TABLE 1. INCREMENTS AND CORRECTIONS

17^m

16 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	17 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon								太阳 行星 Sun Planets	春分点 Aries	月亮 Moon							
s	°	'	°	'	°	'	°	'	°	'	s	°	'	°	'	°	'	°	'	
0	3 59.7	4 00.7	3 49.1	0.0 0.0	6.0 1.7	12.0 3.3	0	4 14.7	4 15.7	4 03.4	0.0 0.0	6.0 1.8	12.0 3.5	1	4 15.0	4 15.9	4 03.6	0.1 0.0	6.1 1.8	12.1 3.5
1	3 60.0	4 00.9	3 49.3	0.1 0.0	6.1 1.7	12.1 3.3	2	4 15.2	4 16.2	4 03.9	0.2 0.1	6.2 1.8	12.2 3.6	3	4 15.5	4 16.4	4 04.1	0.3 0.1	6.3 1.8	12.3 3.6
2	4 00.2	4 01.2	3 49.5	0.2 0.1	6.2 1.7	12.2 3.4	3	4 15.7	4 16.7	4 04.3	0.4 0.1	6.4 1.9	12.4 3.6	4	4 16.0	4 17.0	4 04.6	0.5 0.1	6.5 1.9	12.5 3.6
3	4 00.5	4 01.4	3 49.8	0.3 0.1	6.3 1.7	12.3 3.4	5	4 16.2	4 17.2	4 04.8	0.6 0.2	6.6 1.9	12.6 3.7	6	4 16.5	4 17.5	4 05.1	0.7 0.2	6.7 2.0	12.7 3.7
4	4 00.7	4 01.7	3 50.0	0.4 0.1	6.4 1.8	12.4 3.4	6	4 16.7	4 17.7	4 05.3	0.8 0.2	6.8 2.0	12.8 3.7	7	4 17.0	4 18.0	4 05.5	0.9 0.3	6.9 2.0	12.9 3.8
5	4 01.0	4 01.9	3 50.3	0.5 0.1	6.5 1.8	12.5 3.4	8	4 17.2	4 18.2	4 05.8	1.0 0.3	7.0 2.0	13.0 3.8	9	4 17.5	4 18.5	4 06.0	1.1 0.3	7.1 2.1	13.1 3.8
6	4 01.2	4 02.2	3 50.5	0.6 0.2	6.6 1.8	12.6 3.5	10	4 17.7	4 18.7	4 06.2	1.2 0.4	7.2 2.1	13.2 3.9	11	4 18.0	4 19.0	4 06.5	1.3 0.4	7.3 2.1	13.3 3.9
7	4 01.5	4 02.4	3 50.7	0.7 0.2	6.7 1.8	12.7 3.5	12	4 18.2	4 19.2	4 06.7	1.4 0.4	7.4 2.2	13.4 3.9	13	4 18.5	4 19.5	4 07.0	1.5 0.4	7.5 2.2	13.5 3.9
8	4 01.7	4 02.7	3 51.0	0.8 0.2	6.8 1.9	12.8 3.5	14	4 18.7	4 20.0	4 07.4	1.6 0.5	7.6 2.2	13.6 4.0	15	4 19.0	4 20.0	4 07.7	1.7 0.5	7.7 2.2	13.7 4.0
9	4 02.0	4 02.9	3 51.2	0.9 0.2	6.9 1.9	12.9 3.5	16	4 19.2	4 20.2	4 07.9	1.8 0.5	7.8 2.3	13.8 4.0	17	4 19.5	4 20.5	4 08.2	1.9 0.6	7.9 2.3	13.9 4.1
10	4 02.2	4 03.2	3 51.5	1.0 0.3	7.0 1.9	13.0 3.6	18	4 19.7	4 20.7	4 08.6	2.0 0.6	8.0 2.3	14.0 4.1	19	4 20.0	4 21.0	4 08.9	2.1 0.6	8.1 2.4	14.1 4.1
11	4 02.5	4 03.4	3 51.7	1.1 0.3	7.1 2.0	13.1 3.6	20	4 20.2	4 21.2	4 09.3	2.2 0.6	8.2 2.4	14.2 4.1	21	4 20.5	4 21.5	4 09.6	2.3 0.7	8.3 2.4	14.3 4.2
12	4 02.7	4 03.7	3 51.9	1.2 0.3	7.2 2.0	13.2 3.6	22	4 20.7	4 21.7	4 09.9	2.4 0.7	8.4 2.4	14.4 4.2	23	4 21.0	4 22.0	4 10.3	2.5 0.7	8.5 2.5	14.5 4.2
13	4 03.0	4 03.9	3 52.2	1.3 0.4	7.3 2.0	13.3 3.7	24	4 21.2	4 22.2	4 10.6	2.6 0.8	8.6 2.5	14.6 4.3	25	4 21.5	4 22.5	4 10.9	2.7 0.8	8.7 2.5	14.7 4.3
14	4 03.2	4 04.2	3 52.4	1.4 0.4	7.4 2.0	13.4 3.7	26	4 21.7	4 22.7	4 11.0	2.8 0.8	8.8 2.6	14.8 4.3	27	4 22.0	4 23.0	4 11.3	2.9 0.8	8.9 2.6	14.9 4.3
15	4 03.5</																			

表1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

18 ^m							19 ^m								
18 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ	订 正值	△ 或 △ v or corr ⁿ	订 正值	19 ^m	时角基本变量 Basic Variation in H.A.			△ 或 △ v or corr ⁿ	订 正值	△ 或 △ v or corr ⁿ	订 正值
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						太阳 行星 Sun Planets	春分点 Aries	月亮 Moon				
s	° ' "	° ' "	° ' "	' "	' "	' "	' "	s	° ' "	° ' "	° ' "	' "	' "	' "	' "
0	4 29.7	4 30.7	4 17.7	0.0	0.0	6.0	1.9	0	4 44.7	4 45.8	4 32.0	0.0	0.0	6.0	2.0
1	4 29.9	4 31.0	4 17.9	0.1	0.0	6.1	1.9	1	4 44.9	4 46.0	4 32.3	0.1	0.0	6.1	2.0
2	4 30.2	4 31.2	4 18.2	0.2	0.1	6.2	1.9	2	4 45.2	4 46.3	4 32.5	0.2	0.1	6.2	2.0
3	4 30.4	4 31.5	4 18.4	0.3	0.1	6.3	1.9	3	4 45.4	4 46.5	4 32.7	0.3	0.1	6.3	2.0
4	4 30.7	4 31.7	4 18.7	0.4	0.1	6.4	2.0	4	4 45.7	4 46.8	4 33.0	0.4	0.1	6.4	2.1
5	4 30.9	4 32.0	4 18.9	0.5	0.2	6.5	2.0	5	4 45.9	4 47.0	4 33.2	0.5	0.2	6.5	2.1
6	4 31.2	4 32.2	4 19.1	0.6	0.2	6.6	2.0	6	4 46.2	4 47.3	4 33.4	0.6	0.2	6.6	2.1
7	4 31.4	4 32.5	4 19.4	0.7	0.2	6.7	2.1	7	4 46.4	4 47.5	4 33.7	0.7	0.2	6.7	2.2
8	4 31.7	4 32.7	4 19.6	0.8	0.2	6.8	2.1	8	4 46.7	4 47.8	4 33.9	0.8	0.3	6.8	2.2
9	4 31.9	4 33.0	4 19.8	0.9	0.3	6.9	2.1	9	4 46.9	4 48.0	4 34.2	0.9	0.3	6.9	2.2
10	4 32.2	4 33.2	4 20.1	1.0	0.3	7.0	2.2	10	4 47.2	4 48.3	4 34.4	1.0	0.3	7.0	2.3
11	4 32.4	4 33.5	4 20.3	1.1	0.3	7.1	2.2	11	4 47.4	4 48.5	4 34.6	1.1	0.4	7.1	2.3
12	4 32.7	4 33.7	4 20.6	1.2	0.4	7.2	2.2	12	4 47.7	4 48.8	4 34.9	1.2	0.4	7.2	2.3
13	4 32.9	4 34.0	4 20.8	1.3	0.4	7.3	2.3	13	4 47.9	4 49.0	4 35.1	1.3	0.4	7.3	2.4
14	4 33.2	4 34.2	4 21.0	1.4	0.4	7.4	2.3	14	4 48.2	4 49.3	4 35.4	1.4	0.5	7.4	2.4
15	4 33.4	4 34.5	4 21.3	1.5	0.5	7.5	2.3	15	4 48.4	4 49.5	4 35.6	1.5	0.5	7.5	2.4
16	4 33.7	4 34.8	4 21.5	1.6	0.5	7.6	2.3	16	4 48.7	4 49.8	4 35.8	1.6	0.5	7.6	2.5
17	4 33.9	4 35.0	4 21.8	1.7	0.5	7.7	2.4	17	4 48.9	4 50.0	4 36.1	1.7	0.6	7.7	2.5
18	4 34.2	4 35.3	4 22.0	1.8	0.6	7.8	2.4	18	4 49.2	4 50.3	4 36.3	1.8	0.6	7.8	2.5
19	4 34.4	4 35.5	4 22.2	1.9	0.6	7.9	2.4	19	4 49.4	4 50.5	4 36.6	1.9	0.6	7.9	2.6
20	4 34.7	4 35.8	4 22.5	2.0	0.6	8.0	2.5	20	4 49.7	4 50.8	4 36.8	2.0	0.7	8.0	2.6
21	4 34.9	4 36.0	4 22.7	2.1	0.6	8.1	2.5	21	4 49.9	4 51.0	4 37.0	2.1	0.7	8.1	2.6
22	4 35.2	4 36.3	4 22.9	2.2	0.7	8.2	2.5	22	4 50.2	4 51.3	4 37.3	2.2	0.7	8.2	2.7
23	4 35.4	4 36.5	4 23.2	2.3	0.7	8.3	2.6	23	4 50.4	4 51.5	4 37.5	2.3	0.7	8.3	2.7
24	4 35.7	4 36.8	4 23.4	2.4	0.7	8.4	2.6	24	4 50.7	4 51.8	4 37.7	2.4	0.8	8.4	2.7
25	4 35.9	4 37.0	4 23.7	2.5	0.8	8.5	2.6	25	4 50.9	4 52.0	4 38.0	2.5	0.8	8.5	2.8
26	4 36.2	4 37.3	4 23.9	2.6	0.8	8.6	2.7	26	4 51.2	4 52.3	4 38.2	2.6	0.8	8.6	2.8
27	4 36.4	4 37.5	4 24.1	2.7	0.8	8.7	2.7	27	4 51.4	4 52.5	4 38.5	2.7	0.9	8.7	2.8
28	4 36.7	4 37.8	4 24.4	2.8	0.9	8.8	2.7	28	4 51.7	4 52.8	4 38.7	2.8	0.9	8.8	2.9
29	4 36.9	4 38.0	4 24.6	2.9	0.9	8.9	2.7	29	4 51.9	4 53.1	4 38.9	2.9	0.9	8.9	2.9
30	4 37.2	4 38.3	4 24.9	3.0	0.9	9.0	2.8	30	4 52.2	4 53.3	4 39.2	3.0	1.0	9.0	2.9
31	4 37.4	4 38.5	4 25.1	3.1	1.0	9.1	2.8	31	4 52.4	4 53.6	4 39.4	3.1	1.0	9.1	3.0
32	4 37.7	4 38.8	4 25.3	3.2	1.0	9.2	2.8	32	4 52.7	4 53.8	4 39.7	3.2	1.0	9.2	3.0
33	4 37.9	4 39.0	4 25.6	3.3	1.0	9.3	2.9	33	4 52.9	4 54.1	4 39.9	3.3	1.1	9.3	3.0
34	4 38.2	4 39.3	4 25.8	3.4	1.0	9.4	2.9	34	4 53.2	4 54.3	4 40.1	3.4	1.1	9.4	3.1
35	4 38.4	4 39.5	4 26.1	3.5	1.1	9.5	2.9	35	4 53.4	4 54.6	4 40.4	3.5	1.1	9.5	3.1
36	4 38.7	4 39.8	4 26.3	3.6	1.1	9.6	3.0	36	4 53.7	4 54.8	4 40.6	3.6	1.2	9.6	3.1
37	4 38.9	4 40.0	4 26.5	3.7	1.1	9.7	3.0	37	4 53.9	4 55.1	4 40.8	3.7	1.2	9.7	3.2
38	4 39.2	4 40.3	4 26.8	3.8	1.2	9.8	3.0	38	4 54.2	4 55.3	4 41.1	3.8	1.2	9.8	3.2
39	4 39.4	4 40.5	4 27.0	3.9	1.2	9.9	3.1	39	4 54.4	4 55.6	4 41.3	3.9	1.3	9.9	3.2
40	4 39.7	4 40.8	4 27.2	4.0	1.2	10.0	3.1	40	4 54.7	4 55.8	4 41.6	4.0	1.3	10.0	3.3
41	4 39.9	4 41.0	4 27.5	4.1	1.3	10.1	3.1	41	4 54.9	4 56.1	4 41.8	4.1	1.3	10.1	3.3
42	4 40.2	4 41.3	4 27.7	4.2	1.3	10.2	3.1	42	4 55.2	4 56.3	4 42.0	4.2	1.4	10.2	3.3
43	4 40.4	4 41.5	4 28.0	4.3	1.3	10.3	3.2	43	4 55.4	4 56.6	4 42.3	4.3	1.4	10.3	3.3
44	4 40.7	4 41.8	4 28.2	4.4	1.4	10.4	3.2	44	4 55.7	4 56.8	4 42.5	4.4	1.4	10.4	3.4
45	4 40.9	4 42.0	4 28.4	4.5	1.4	10.5	3.2	45	4 55.9	4 57.1	4 42.8	4.5	1.5	10.5	3.4
46	4 41.2	4 42.3	4 28.7	4.6	1.4	10.6	3.3	46	4 56.2	4 57.3	4 43.0	4.6	1.5	10.6	3.4
47	4 41.4	4 42.5	4 28.9	4.7	1.4	10.7	3.3	47	4 56.4	4 57.6	4 43.2	4.7	1.5	10.7	3.5
48	4 41.7	4 42.8	4 29.2	4.8	1.5	10.8	3.3	48	4 56.7	4 57.8	4 43.5	4.8	1.6	10.8	3.5
49	4 41.9	4 43.0	4 29.4	4.9	1.5	10.9	3.4	49	4 56.9	4 58.1	4 43.7	4.9	1.6	10.9	3.5
50	4 42.2	4 43.3	4 29.6	5.0	1.5	11.0	3.4	50	4 57.2	4 58.3	4 43.9	5.0	1.6	11.0	3.6
51	4 42.4	4 43.5	4 29.9	5.1	1.6	11.1	3.4	51	4 57.4	4 58.6	4 44.2	5.1	1.7	11.1	3.6
52	4 42.7	4 43.8	4 30.1	5.2	1.6	11.2	3.5	52	4 57.7	4 58.8	4 44.4	5.2	1.7	11.2	3.6
53	4 42.9	4 44.0	4 30.3	5.3	1.6	11.3	3.5	53	4 57.9	4 59.1	4 44.7	5.3	1.7	11.3	3.7
54	4 43.2	4 44.3	4 30.6	5.4	1.7	11.4	3.5	54	4 58.2	4 59.3	4 44.9	5.4	1.8	11.4	3.7
55	4 43.4	4 44.5	4 30.8	5.5	1.7	11.5	3.5	55	4 58.4	4 59.6	4 45.1	5.5	1.8	11.5	3.7
56	4 43.7	4 44.8	4 31.1	5.6	1.7	11.6	3.6	56	4 58.7	4 59.8	4 45.4	5.6	1.8	11.6	3.8
57	4 43.9	4 45.0	4 31.3	5.7	1.8	11.7	3.6	57	4 58.9	5 00.1	4 45.6	5.7	1.9	11.7	3.8
58	4 44.2	4 45.3	4 31.5	5.8	1.8	11.8	3.6	58	4 59.2	5 00.3	4 45.9	5.8	1.9	11.8	3.8
59	4 44.4	4 45.5	4 31.8	5.9	1.8	11.9	3.7	59	4 59.4	5 00.6	4 46.1	5.9	1.9	11.9	3.9
60	4 44.7	4 45.8	4 32.0	6.0	1.9	12.0	3.7	60	4 59.7	5 00.8	4 46.3	6.0	2.0	12.0	3.9

表1. 时角、赤纬内插表
TABLE 1. INCREMENTS AND CORRECTIONS

20 ^m								21 ^m							
20 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值	21 ^m	时角基本变量 Basic Variation in H. A.			△ 或 △ v or corr ⁿ d	订 正 值	△ 或 △ v or corr ⁿ d	订 正 值
	太阳 行星 Sun Planets	春分点 Aries	月亮 Moon						太阳 行星 Sun Planets	春分点 Aries	月亮 Moon				
s	° /	° /	° /	' /	' /	' /	' /	s	° /	° /	° /	' /	' /	' /	' /
0	4 59.7	5 00.8	4 46.3	0.0 0.0	6.0 2.1	12.0 4.1	4.1	0	5 14.6	5 15.9	5 00.6	0.0 0.0	6.0 2.2	12.0 4.3	4.3
1	4 59.9	5 01.1	4 46.6	0.1 0.0	6.1 2.1	12.1 4.1	4.1	1	5 14.9	5 16.1	5 00.9	0.1 0.0	6.1 2.2	12.1 4.3	4.3
2	5 00.2	5 01.3	4 46.8	0.2 0.1	6.2 2.1	12.2 4.2	4.2	2	5 15.1	5 16.4	5 01.1	0.2 0.1	6.2 2.2	12.2 4.4	4.4
3	5 00.4	5 01.6	4 47.0	0.3 0.1	6.3 2.2	12.3 4.2	4.2	3	5 15.4	5 16.6	5 01.4	0.3 0.1	6.3 2.3	12.3 4.4	4.4
4	5 00.7	5 01.8	4 47.3	0.4 0.1	6.4 2.2	12.4 4.2	4.2	4	5 15.6	5 16.9	5 01.6	0.4 0.1	6.4 2.3	12.4 4.4	4.4
5	5 00.9	5 02.1	4 47.5	0.5 0.2	6.5 2.2	12.5 4.3	4.3	5	5 15.9	5 17.1	5 01.8	0.5 0.2	6.5 2.3	12.5 4.5	4.5
6	5 01.2	5 02.3	4 47.8	0.6 0.2	6.6 2.3	12.6 4.3	4.3	6	5 16.1	5 17.4	5 02.1	0.6 0.2	6.6 2.4	12.6 4.5	4.5
7	5 01.4	5 02.6	4 48.0	0.7 0.2	6.7 2.3	12.7 4.3	4.3	7	5 16.4	5 17.6	5 02.3	0.7 0.3	6.7 2.4	12.7 4.6	4.6
8	5 01.7	5 02.8	4 48.2	0.8 0.3	6.8 2.3	12.8 4.4	4.4	8	5 16.6	5 17.9	5 02.6	0.8 0.3	6.8 2.4	12.8 4.6	4.6
9	5 01.9	5 03.1	4 48.5	0.9 0.3	6.9 2.4	12.9 4.4	4.4	9	5 16.9	5 18.1	5 02.8	0.9 0.3	6.9 2.5	12.9 4.6	4.6
10	5 02.2	5 03.3	4 48.7	1.0 0.3	7.0 2.4	13.0 4.4	4.4	10	5 17.1	5 18.4	5 03.0	1.0 0.4	7.0 2.5	13.0 4.7	4.7
11	5 02.4	5 03.6	4 49.0	1.1 0.4	7.1 2.4	13.1 4.5	4.5	11	5 17.4	5 18.6	5 03.3	1.1 0.4	7.1 2.5	13.1 4.7	4.7
12	5 02.7	5 03.8	4 49.2	1.2 0.4	7.2 2.5	13.2 4.5	4.5	12	5 17.6	5 18.9	5 03.5	1.2 0.4	7.2 2.6	13.2 4.7	4.7
13	5 02.9	5 04.1	4 49.4	1.3 0.4	7.3 2.5	13.3 4.5	4.5	13	5 17.9	5 19.1	5 03.8	1.3 0.5	7.3 2.6	13.3 4.8	4.8
14	5 03.2	5 04.3	4 49.7	1.4 0.5	7.4 2.5	13.4 4.6	4.6	14	5 18.1	5 19.4	5 04.0	1.4 0.5	7.4 2.7	13.4 4.8	4.8
15	5 03.4	5 04.6	4 49.9	1.5 0.5	7.5 2.6	13.5 4.6	4.6	15	5 18.4	5 19.6	5 04.2	1.5 0.5	7.5 2.7	13.5 4.8	4.8
16	5 03.7	5 04.8	4 50.2	1.6 0.5	7.6 2.6	13.6 4.6	4.6	16	5 18.6	5 19.9	5 04.5	1.6 0.6	7.6 2.7	13.6 4.9	4.9
17	5 03.9	5 05.1	4 50.4	1.7 0.6	7.7 2.6	13.7 4.7	4.7	17	5 18.9	5 20.1	5 04.7	1.7 0.6	7.7 2.8	13.7 4.9	4.9
18	5 04.2	5 05.3	4 50.6	1.8 0.6	7.8 2.7	13.8 4.7	4.7	18	5 19.1	5 20.4	5 04.9	1.8 0.6	7.8 2.8	13.8 4.9	4.9
19	5 04.4	5 05.6	4 50.9	1.9 0.6	7.9 2.7	13.9 4.7	4.7	19	5 19.4	5 20.6	5 05.2	1.9 0.7	7.9 2.8	13.9 5.0	5.0
20	5 04.7	5 05.8	4 51.1	2.0 0.7	8.0 2.7	14.0 4.8	4.8	20	5 19.6	5 20.9	5 05.4	2.0 0.7	8.0 2.9	14.0 5.0	5.0
21	5 04.9	5 06.1	4 51.3	2.1 0.7	8.1 2.8	14.1 4.8	4.8	21	5 19.9	5 21.1	5 05.7	2.1 0.8	8.1 2.9	14.1 5.1	5.1
22	5 05.2	5 06.3	4 51.6	2.2 0.8	8.2 2.8	14.2 4.9	4.9	22	5 20.1	5 21.4	5 05.9	2.2 0.8	8.2 2.9	14.2 5.1	5.1
23	5 05.4	5 06.6	4 51.8	2.3 0.8	8.3 2.8	14.3 4.9	4.9	23	5 20.4	5 21.6	5 06.1	2.3 0.8	8.3 3.0	14.3 5.1	5.1
24	5 05.7	5 06.8	4 52.1	2.4 0.8	8.4 2.9	14.4 4.9	4.9	24	5 20.6	5 21.9	5 06.4	2.4 0.9	8.4 3.0	14.4 5.2	5.2
25	5 05.9	5 07.1	4 52.3	2.5 0.9	8.5 2.9	14.5 5.0	5.0	25	5 20.9	5 22.1	5 06.6	2.5 0.9	8.5 3.0	14.5 5.2	5.2
26	5 06.2	5 07.3	4 52.5	2.6 0.9	8.6 2.9	14.6 5.0	5.0	26	5 21.1	5 22.4	5 06.9	2.6 0.9	8.6 3.1	14.6 5.2	5.2
27	5 06.4	5 07.6	4 52.8	2.7 0.9	8.7 3.0	14.7 5.0	5.0	27	5 21.4	5 22.6	5 07.1	2.7 1.0	8.7 3.1	14.7 5.3	5.3
28	5 06.7	5 07.8	4 53.0	2.8 1.0	8.8 3.0	14.8 5.1	5.1	28	5 21.6	5 22.9	5 07.3	2.8 1.0	8.8 3.2	14.8 5.3	5.3
29	5 06.9	5 08.1	4 53.3	2.9 1.0	8.9 3.0	14.9 5.1	5.1	29	5 21.9	5 23.1	5 07.6	2.9 1.0	8.9 3.2	14.9 5.3	5.3
30	5 07.2	5 08.3	4 53.5	3.0 1.0	9.0 3.1	15.0 5.1	5.1	30	5 22.1	5 23.4	5 07.8	3.0 1.1	9.0 3.2	15.0 5.4	5.4
31	5 07.4	5 08.6	4 53.7	3.1 1.1	9.1 3.1	15.1 5.2	5.2	31	5 22.4	5 23.6	5 08.0	3.1 1.1	9.1 3.3	15.1 5.4	5.4
32	5 07.7	5 08.8	4 54.0	3.2 1.1	9.2 3.1	15.2 5.2	5.2	32	5 22.6	5 23.9	5 08.3	3.2 1.1	9.2 3.3	15.2 5.4	5.4
33	5 07.9	5 09.1	4 54.2	3.3 1.1	9.3 3.2	15.3 5.2	5.2	33	5 22.9	5 24.1	5 08.5	3.3 1.2	9.3 3.3	15.3 5.5	5.5
34	5 08.2	5 09.3	4 54.4	3.4 1.2	9.4 3.2	15.4 5.3	5.3	34	5 23.1	5 24.4	5 08.8	3.4 1.2	9.4 3.4	15.4 5.5	5.5
35	5 08.4	5 09.6	4 54.7	3.5 1.2	9.5 3.2	15.5 5.3	5.3	35	5 23.4	5 24.6	5 09.0	3.5 1.3	9.5 3.4	15.5 5.6	5.6
36	5 08.7	5 09.8	4 54.9	3.6 1.2	9.6 3.3	15.6 5.3	5.3	36	5 23.6	5 24.9	5 09.2	3.6 1.3	9.6 3.4	15.6 5.6	5.6
37	5 08.9	5 10.1	4 55.2	3.7 1.3	9.7 3.3	15.7 5.4	5.4	37	5 23.9	5 25.1	5 09.5	3.7 1.3	9.7 3.5	15.7 5.6	5.6
38	5 09.2	5 10.3	4 55.4	3.8 1.3	9.8 3.3	15.8 5.4	5.4	38	5 24.1	5 25.4	5 09.7	3.8 1.4	9.8 3.5	15.8 5.7	5.7
39	5 09.4	5 10.6	4 55.6	3.9 1.3	9.9 3.4	15.9 5.4	5.4	39	5 24.4	5 25.6	5 10.0	3.9 1.4	9.9 3.5	15.9 5.7	5.7
40	5 09.7	5 10.8	4 55.9	4.0 1.4	10.0 3.4	16.0 5.5	5.5	40	5 24.6	5 25.9	5 10.2	4.0 1.4	10.0 3.6	16.0 5.7	5.7
41	5 09.9	5 11.1	4 56.1	4.1 1.4	10.1 3.5	16.1 5.5	5.5	41	5 24.9	5 26.1	5 10.4	4.1 1.5	10.1 3.6	16.1 5.8	5.8
42	5 10.2	5 11.4	4 56.4	4.2 1.4	10.2 3.5	16.2 5.5	5.5	42	5 25.1	5 26.4	5 10.7	4.2 1.5	10.2 3.7	16.2 5.8	5.8
43	5 10.4	5 11.6	4 56.6	4.3 1.5	10.3 3.5	16.3 5.6	5.6	43	5 25.4	5 26.6	5 10.9	4.3 1.5	10.3 3.7	16.3 5.8	5.8
44	5 10.7	5 11.9	4 56.8	4.4 1.5	10.4 3.6	16.4 5.6	5.6	44	5 25.6	5 26.9	5 11.1	4.4 1.6	10.4 3.7	16.4 5.9	5.9
45	5 10.9	5 12.1	4 57.1	4.5 1.5	10.5 3.6	16.5 5.6	5.6	45	5 25.9	5 27.1	5 11.4	4.5 1.6	10.5 3.8	16.5 5.9	5.9
46	5 11.2	5 12.4	4 57.3	4.6 1.6	10.6 3.6	16.6 5.7	5.7	46	5 26.1	5 27.4	5 11.6	4.6 1.6	10.6 3.8	16.6 5.9	5.9
47	5 11.4	5 12.6	4 57.5	4.7 1.6	10.7 3.7	16.7 5.7	5.7	47	5 26.4	5 27.6	5 11.9	4.7 1.7	10.7 3.8	16.7 6.0	6.0
48	5 11.7	5 12.9	4 57.8	4.8 1.6	10.8 3.7	16.8 5.7	5.7	48	5 26.6	5 27.9	5 12.1	4.8 1.7	10.8 3.9	16.8 6.0	6.0
49	5 11.9	5 13.1	4 58.0	4.9 1.7	10.9 3.7	16.9 5.8	5.8	49	5 26.9	5 28.1	5 12.3	4.9 1.8	10.9 3.9	16.9 6.1	6.1
50	5 12.2	5 13.4	4 58.3	5.0 1.7	11.0 3.8	17.0 5.8	5.8	50	5 27.1	5 28.4	5 12.6	5.0 1.8	11.0 3.9	17.0 6.1	6.1
51	5 12.4	5 13.6	4 58.5	5.1 1.7	11.1 3.8	17.1 5.8	5.8	51	5 27.4	5 28.6	5 12.8	5.1 1.8	11.1 4.0	17.1 6.1	6.1
52	5 12.7	5 13.9	4 58.7	5.2 1.8	11.2 3.8	17.2 5.9	5.9	52	5 27.6	5 28.9	5 13.1	5.2 1.9	11.2 4.0	17.2 6.2	6.2
53	5 12.9	5 14.1	4 59.0	5.3 1.8	11.3 3.9	17.3 5.9	5.9	53	5 27.9	5 29.1	5 13.3	5.3 1.9	11.3 4.0	17.3 6.2	6.2
54	5 13.2	5 14.4	4 59.2	5.4 1.8	11.4 3.9	17.4 5.9	5.9	54	5 28.1	5 29.4	5 13.5	5.4 1.9	11.4 4.1	17.4 6.2	6.2
55	5 13.4	5 14.6	4 59.5	5.5 1.9	11.5 3.9	17.5 6.0	6.0	55	5 28.4	5 29.7	5 13.8	5.5 2.0	11.5 4.1	17.5 6.3	6.3
56	5 13.7	5 14.9	4 59.7	5.6 1.9	11.6 4.0	17.6 6.0	6.0	56	5 28.6	5 29.9	5 14.0	5.6 2.0	11.6 4.2	17.6 6.3	6.3
57	5 13.9	5 15.1	4 59.9	5.7 1.9	11.7 4.0	17.7 6.0	6.0	57	5 28.9	5 30.2	5 14.3	5.7 2.0	11.7 4.2	17.7 6.3	6.3
58	5 14.2	5 15.4	5 00.2	5.8 2.0	11.8 4.0	17.8 6.1	6.1	58	5 29.1	5 30.4	5 14.5	5.8 2.1	11.8 4.2	17.8 6.4	6.4
59	5 14.4	5 15.6	5 00.4	5.9 2.0	11.9 4.1	17.9 6.1	6.1	59	5 29.4	5 30.7	5 14.7	5.9 2.1	11.9 4.3	17.9 6.4	6.4
60	5 14.6	5 15.9	5 00.6	6.0 2.1	12.0 4.1	18.0 6.2	6.2	60	5 29.6	5 30.9	5 15.0	6.0 2.2	12.0 4.3	18.0 6.5	6.5