

ASTRONOMICAL EPHemeris
of
Geocentric Places of Planets
for
1942

Published by

Shree Jiwajee Observatory, Ujjain,
with the sanction of Education Department,
Gwalior State.

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Cosmographic Books of Dates

Printed at the Alijah Darbar Press, Lashkar,
GWALIOR.

PREFACE.

This publication is an attempt to meet the requirements of the astrologers and computators of Panchangas. The computations are made from the Tables of Newcomb, Brown, Jyotirganita, and Sarvanand-Laghav by late Principal G. S. Apte.

The places of the heavenly bodies and the Sidereal Time are computed for the meridian of Ujjain and are true for 12 o'clock noon Indian Standard Time. It is earnestly hoped that this departure from the standard convention will prove more useful to the Indian computer who is already familiar with the calculations reduced to the longitude of Ujjain. The uniform use of Indian Standard Time (I. S. T.) made in the following pages will also save much trouble in calculation.

For want of sufficient time the work was hurried through the press and though great care was taken in correcting proofs, it is very likely that a few mistakes must have remained in the figure-work through oversight.

Thanks are due to the Inspector-General of Education, Gwalior Government for the encouragement given in bringing out this publication and also to Mr. A. K. Shirke, Manager, Alijah Darbar Press, Gwalior, for the pains taken by him in supervising the printing work.

R. V. VAIDYA, M.A., B.T.,
UJJAIN : } JYOTIRVIDYA RATNA,
Dated 16th December 1941. } Superintendent.
Shree Jiwaji Observatory,
Ujjain.

EXPLANATIONS.

The places of the Sun, Moon and the Planets given here, are true for the mean equinox of 1942 i.e., Sayana. They are given for 12 o'clock noon Indian Standard Time (I. S. T.). The Tithis and the Sid. Time (reduced to the longitude of Ujjain) are likewise given for the noon (I. S. T.).

The Nirayana places of the Sun, Moon and the Planets can be obtained by subtracting respective Ayanamshas from the places given in this Ephemeris. This subtraction is not necessary for the Tithis.

Examples.

- (1) To find the longitude of Moon on 20th June, 1942 at 20h 30m.—

Moon at 12 hours on 21-6-42 = $22^{\circ}Vi05'$

Moon at 12 hours on 20-6-42 = $9^{\circ} 21'$

$$\text{Diff} = 12^{\circ} 44' \text{ motion in} \\ 24 \text{ hours.}$$

Motion in (20h. 30m. - 12h.) or $8\frac{1}{2}$ hrs. = $4^{\circ}31'$

Required longitude = $9^{\circ}Vi21' + 4^{\circ}31' = 13^{\circ}Vi52'$

- (2) Required the longitude of Venus on 17th February 1942, at 3h. 45min.—

Venus at 12h. on 16-2-42 = $6^{\circ}Aq30'$

Venus at 12h. on 17-2-42 = $6^{\circ} 13'$

$$\text{Diff} = 17' \text{ motion in} \\ 24 \text{ hours.}$$

(It will be seen here that the motion is retrograde).

Motion in ($12h - 3h 45m.$) or $8h. 15m. = 6'$ and since the time given is before noon and the planet is retrograde this quantity must be added to the longitude on 17th. Hence the required longitude = $6^{\circ}Aq13' + 6' = 6^{\circ}Aq19'$.

Sidereal Time.—This is required for finding the Ascendant (Lagna) and Mid-heaven (Dashama).

Formula.—Sid. Time = $S + I + C + K$, where,

S = Sid. Time at Ujjain at noon.

I = Interval between the moment for which the Sid. Time is required and the noon (S. T.). This is positive or negative according as the given moment is after or before the noon.

C = Correction due to the longitudinal difference and is positive or negative according as the place is to the east or the west of Ujjain and is to be reckoned at 4 minutes per day.

K = Motion of the Sid. Time at the rate of 9.86 seconds per mean solar hour or .82 seconds per minute.

Note.— K and I are of the same sign.

- (3) Ex. To find the Sid. Time on 11th May, 1942, at 7h. 30m. (S. T.) for Travancore (Long. 7m. 40s. East of Ujjain).—

$$\text{Sid. Time} = 2h. 47m. 0s. - 4h. 30m. + 4m. \\ 40s. - 0m. 45s = - 1h. 39m. 5s.$$

This being negative must be subtracted from 24h., so that the required Sid. Time =22h. 20m. 55s.

Note.—The Ascendant or Mid-heaven (M. C.) can be found from the above Sid. Time by consulting a Table of Houses.

Tithis.

The decimal part indicates the portion of the next Tithi elapsed at noon.

The time of the local sun-rise for a given day must be known in order to determine the ruling Tithi for a particular place. The following example will make this clear:—

(4) *Ex. To find the Tithi at Ujjain on 11th May, 1942.—*

Tithi at noon on 12-5-42=27·23

Tithi at noon on 10-5-42=25·30

Diff. = 1·93=motion in 48 hours.
i. e. ·04 tithi per hour.

Sun rises at Ujjain at 5h. 48m. on this day, so that the interval between the sun-rise and noon is 6h. 12m. and the motion of Tithi during this interval is ·32.—

But the Tithi at noon on 11-5-42=26·27

Therefore the Tithi at sunrise on 11-5-42=26·27-·32

=25·95

Hence the required Tithi is 26th or (26-15) i. e., 11th of Krishna-paksha.

The part to be completed is 26-25·95 or ·05 and the time required at the rate of ·04 per hour is 1h. 15min. The sun rises at 5h. 48m. The ending moment of this Tithi is, therefore, 5h. 48m.+1h. 15m. or 7h. 3m.

Note.—1. When the interval between the ending moments of two consecutive Tithis lies wholly between the times of sun-rise on two consecutive days there will be a case of *Tithi-kshaya*.

2. When the interval between the sun-rise on two consecutive days lies wholly between the ending moments of two consecutive Tithis, there will be a case of *Tithi-vridhi*.

Abbreviations.

Ar Aries	मेष	Le Leo	सिंह	Sa Sagittarius	धनु
Ta Taurus	वृषभ	Vi Virgo	कन्या	Ca Capricornus	मकर
Ge Gemini	मिथुन	Li Libra	तुला	Aq Aquarius	कुंभ
C Cancer	कर्क	Sc Scorpio	वृश्चिक	Pi Pisces	मीन

JANUARY, 1942.

Date.	Sid. Time.		SUN.		MOON.			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
1 Th.	18	14	28	10 Ca	13 23 S	3 24 Ge	51 4 S	56 18 N 18
2 F.	18	24	11	14 22	57 6 C	55 4	39 18	18 30
3 Sa.	22	21	12	15	52 19	10 4	9 18	19
4 Su.	26	18	13	16	46 1 Le	29 3	29 16	18
5 M.	30	14	14	17	40 13	59 2	37 14	7
6 Tu.	34	11	15	18	33 26	40 1	39 11	3
7 W.	38	7	16	19	26 9 Vi	31 0	31 7	32
8 Th.	42	4	17	20	19 22	42 0 N	39 3	35
9 F.	46	1	18	21	11 5 Li	2 1	50 0 S	39
10 Sa.	49	57	19	23	3 19	37 2	53 4	55
11 Su.	53	54	20	24 21	54 3 Sc	39 3	48 9	5
12 M.	57	51	21	25	44 17	49 4	31 12	46
13 Tu.	19	1	48 22	26	33 2 Sa	30 4	58 15	41
14 W.	5	44	23	27	22 17	13 5	5 17	35
15 Th.	9	41	24	28	11 2 Ca	8 4	49 18	25
16 F.	13	37	25	29 21 S	1 16	53 4	17 17	57

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	2 S	5 24 S 29	0 N 35	14 S 47	0 N 48	10 N 24	0 S	36 21 N 50
5	2	2 23	3 1	28 13	47 0	52 11	9 0	35 21 48
9	1	58 21	48 2	21 12	35 0	56 11	54 0	34 21 47
13	1	52 20	39 3	13 11	30 0	59 12	39 0	33 21 46
16	1	35 19	10 3	57 10	53 1	3 13	14 0	32 21 45

JANUARY, 1942.

Date.	LONGITUDES.						TITHI.				
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.					
1	16 Ca	16	18 Aq	35	25 Ar	2	13 Ge 23	22 Ta	5	26 Ta 49	13.72
2	17	50		59		29	R 16	R 3	R 48	14.64	
3	19	27	19	21		56	10	1	47	15.58	
4	21	9		42 26	23		3 21	59	46	16.52	
5	22	50	20	1	51 12	58		57	45	17.48	
6	24	29		17 27	18		53	55	43	18.45	
7	26	3		30	46		48	53	41	19.43	
8	27	41		40 28	14		43	51	39	20.45	
9	29	20		49	43		38	49	37	21.48	
10	0 Aq	58		58 29	11		33	47	36	22.52	
11	2	37	21	6	40		28	45	35	23.60	
12	4	15		11 0 Ta	9		23	44	34	24.70	
13	5	54		12	39		18	43	33	25.83	
14	7	33	R	11 1	9		13	43	32	26.98	
15	9	10		8	39		8	42	31	28.14	
16	10	49	21	2 2	10 12		4 21	42 26	30	29.29	

Date.	Saturn.		Uranus.		Neptune.			Node.				
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.					
1	2 S	14	16 N	8	0 S	14	19 N	15	1 N 18	1 N 15	29 Vi 53	16 Vi 51
5	13	7	"		14	1	19		15	R 52	39	
9	12	6	"		13	"			16	52	26	
13	11	5	"		12	"			16	51	13	
16	10	5	"		11	"			17	49	3	

JANUARY, 1942.

Date.	Sid. Time.			SUN.			MOON.			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.		
16 F.	19	13	37	25 Ca	29 21 S	1 16 Ca	53 4 N	17 17 S	57	
17 Sa	17	34	26	30	20	51 1 Aq	33 3	29 16	21	
18 SU.	21	31	27	31		40 15	51 2	27 13	42	
19 M.	25	27	28	32		28 29	47 1	19 10	19	
20 Tu.	29	24	29	34		15 13 Pi	22 0	8 6	30	
21 W.	33	20	0 Aq.	35		2 26	23 1 S	4 3	22	
22 Th.	37	17	1	36	19	48 9 Ar	7 2	8 1 N	37	
23 F.	41	13	2	37		34 21	29 3	5 5	29	
24 Sa.	45	10	3	38		20 3 Ta	37 3	53 8	58	
25 SU.	49	6	4	39		6 15	30 4	31 12	03	
26 M.	53	3	5	40	18	51 27	25 4	55 14	43	
27 Tu.	56	59	6	41		36 9 GE	17 5	8 16	41	
28 W.	20	0	55	7	42	21 21	9 5	6 17	58	
29 Th.	4	51	8	43		5 3 C	17 4	52 18	25	
30 F.	8	47	9	44	17	49 15	30 4	26 18	7	
31 Sa.	12	45	10	45		33 27	49 3	45 16	55	

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	1 S 35	19 S 10	3 N 57	10 S 53	1 N 3	13 N 14	0 S 32	21 N 45
20	0 53	16 52	4 56	10 22	1	6 14	0 0	31 21 44
24	0 7	14 33	5 55	9 55	1	9 14	46 0	30 21 43
28	0 N 43	12 17	6 41	9 30	1	12 15	17 0	29 21 42
31	1 35	11 4	7 16	9 29	1	14 16	0 0	28 21 41

JANUARY, 1942.

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	10 Aq 49	21 Aq 2	2 Ta 10	12 Ge 4	21 Ta 42	26 Ta 30	29.29
17	12	17 20 R 53	41 R 0	R 41	R 29	0.42	
18	14	48	40 3	12 11	56	41	1.53
19	15	22	24	43	53	40	27 2.60
20	16	51	6 4	14	50	40	26 3.65
21	18	16 19	48	45	47	39	26 4.65
22	19	37	27 5	16	44	38	25 5.63
23	20	51	4	47	41	38	25 6.58
24	22	2 18	39 6	18	39	D 38	24 7.50
25	23	10	10	50	37	38	24 8.40
26	24	7 17	40 7	22	35	38	23 9.31
27	25	2	7	54	33	39	23 10.22
28	25	41 16	35 8	26	31	39	22 11.12
29	26	15	1	58	29	40	22 12.05
30	26	41 15	23 9	30	27	40	21 12.98
31	26	57 14	47 10	3 11 Ge 25	21 Ta 41	21	13.92

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
16	2 S 10	16 N 50	S 14	19 N 11	1 N 19	1 N 17	29 Vi 49 16 Vi 3
20	9	6	"	10	"	18	R 47 15 51
24	8	7	"	10	"	19	44 38
28	7	8	"	9 1 N 20	"	20	41 25
31	6	9	"	9	"	21	38 15

Date.	Sid. Time.			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
1 Su	20	16	41	11 Aq	46 17 S 17	10 Le 27	2 S	49 14 N	50
2 M.		20	38 12	47	0 23	14 1	50 11	48	
3 Tu.		24	35 13	48 16	43 6 Vi	19 0	42 8	31	
4 W.		28	31 14	49	25 19	33 0 N	27 4	34	
5 Th.		32	28 15	49	7 2 Li	54 1	39 0	27	
6 F.		36	24 16	50 15	49 16	32 2	39 3 S	52	
7 Sa.		40	21 17	51	31 0 Sc	23 3	40 7	59	
8 Su.		44	17 18	52	12 14	48 4	29 11	44	
9 M.		48	14 19	52 14	53 28	29 5	21 4	46	
10 Tu.		52	10 20	53	33 12 Sa	41 5	14 17	3	
11 W.		56	7 21	54	13 27	7 5	9 18	11	
12 Th.		21	0	3 22	55 13	53 11 Ca	30 4	41 18	16
13 F.		3	59 23	55	33 25	48 3	54 17	3	
14 Sa.		7	55 24	56	13 10 Aq	3 2	52 14	50	
15 SU.		21	11	52 25	57 12	53 24	2 1	49 11	51
16 M.		21	15	48 26	57	33 7 Pi	45 0	35 8	15

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	1 N 52	10 S 46	7 N 30	9 S 30	1 N 15	16 N 12	0 S 28	21 N 41
5	2 55	10 13	7 56	9 42	17 17	16 53	0	27 21 42
9	3 30	11 9	8 16	10 4	1 18	17 34	0	27 21 43
13	3 42	12 20	8 6	10 30	1 19	18 14	0	26 21 45
16	3 19	13 25	7 57	10 51	1 20	18 42	0	26 21 47

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter,	Saturn.	Uranus.	
1	26 Aq 59	14 Aq 9	10 Ta 36	11 Ge 24	21 Ta 42	26 Ta 21	14.89
2	R 52	13 R 44	11 9	R 24	43	R 21	15.87
3		33 12	55	42	23	45	21 16.88
4		4	18 12	15	23	46	D 21 17.90
5	25	23 11	42	48	22	47	21 18.92
6	24	34	6 13	21	D 22	48	21 19.98
7	23	38 10	31	54	22	50	21 21.05
8	22	35 9	57 14	27	23	52	22 22.13
9	21	28	24 15	1	24	54	22 23.22
10	20	17 8	52	35	25	56	22 24.32
11	19	6	25 16	9	26	58	23 25.43
12	17	57 7	58	43	28 22	0	23 26.55
13	16	50	32 17	17	30	2	24 27.66
14	15	48	9	51	32	4	24 28.76
15	14	49 6	49 18	25	34	6	25 29.84
16	14	0	30	59 11 Ge 36 22	9 26	25	0.90

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
1	2 S	6 16 N 10	0 S	12	19 N 9	1 N 20	1 N 22 29 Vi 37 15 Vi 12
5	5	13	"	10	"	24 R 33	0
9	4	16	"	10	"	26	29 14 47
13	3	19	"	10	"	28	25 34
16	2	22	"	11	"	30	22 24

FEBRUARY, 1942.

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	3 N 19	13 S 25	7 N 57	10 S 51	1 N 20	18 N 42	0 S 26	21 N 47
20	2 35	14 14	7 28	11 17	1 21	19 20	0 25	21 49
24	1 48	15 3	7 5	11 45	1 22	19 57	0 24	21 51
28	0 55	16 0	6 45	12 16	1 23	20 33	0 24	21 53

Date.	LONGITUDES.										TITHI
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.					
16	14 Aq 0	6 Aq 30	18 Ta 59	11 Ge 36	22 Ta 9	26 Ta 25					0.90
17	13 R 18	R 13 19	33	38	12	26					1.92
18	12 44	0 20	7	41	15	26					2.93
19	12 14 5	48	41	44	18	27					3.91
20	11 54	39 21	15	47	21	28					4.86
21	41	32	49	50	24	29					5.78
22	11 D 42	28 22	23	53	27	30					6.70
23	48 D	26	57	56	30	31					7.61
24	12 1	27 23	31	59	33	32					8.51
25	2	30 24	5 12	3	36	33					9.42
26	22	36	40	7	40	34					10.35
27	46	45 25	15	11	44	35					11.29
28	13 15 5	56 25	50 12	15 22	48 26	36					12.25

Date.	Saturn.		Uranus.		Neptune.			Node.					
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	Long.					
16	2 S 1	16 N 25	0 S ..	12 11	19 N ..	11	1 N ..	20 32	1 N 15	30 14	29 Vi Vi 24	22	14 Vi 24
20	1	25											
24	0	29	..		19	12	1 N ..	21		34	9	13	58
28	1 S ..	59 34	..		13		..		36	5		46	

Date.	Sid. Time,			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
1 Su.	22	7	4	10 Pi	3 7 S	48 18 Le	45 2 S	12 13 N	4
2 M.	11	11	3	25	1 Vi	39 1	2	9	48
3 Tu.	14	57	12	3	02 15	13 0 N	11 5	48	
4 W.	18	54	13	3 6	39 28	57 1	25 1	46	
5 Th.	22	50	14	3	16 12 Li	46 2	33 2 S	39	
6 F.	26	47	15	3 5	53 26	52 3	35 6	56	
7 Sa.	30	43	16	3	30 11 Sc	2 4	26 10	47	
8 Su.	34	40	17	3	07 25	13 4	58 14	5	
9 M.	38	37	18	3 4	44 9 Sa	28 5	13 16	36	
10 Tu.	42	34	19	3	20 23	40 5	10 17	58	
11 W.	46	30	20	3 3	57 7 Ca	48 4	47 18	23	
12 Th.	50	27	21	3	33 21	47 4	6 17	29	
13 F.	54	23	22	3	10 5 Aq	40 3	12 15	39	
14 Sa.	58	20	23	3 2	46 19	24 2	9 12	54	
15 Su.	23	2	17 24	3	23 2 Pi	55 1	0 9	27	
16 M.	6	13	25	2 2	0 16	18 0 S	14 5	37	

Date.	Mercury,		Venus,		Mars.		Jupiter,	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	0 N 41	16 S 0	6 N 36	12 S 20	1 N 23	20 N 40	0 S 23	21 N 55
5	7 15	50	0	28	24	21	2	23
9	0 S 42	15	21	5 21	38	24	44	22 22 0
13	1 17	14	16	4 43	50	25	22	15
16	39 13	20	16	48	25	32	21	8

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	13 Aq 55	6 Aq	6 26 Ta 25	12 Ge 19	22 Ta 53	26 Ta 38	13.23
2	14	34	25 27	0	24	57	40 14.22
3	15	16	42 27	35	29 23	1	42 15.26
4	16	3 7	0 28	10	34	5	43 16.32
5	16	51	20	45	39	9	45 17.39
6	17	49	43 29	20	44	14	47 18.48
7	18	43 8	7	55	50	18	48 19.58
8	19	42	34 0 Ge 30	56	22	49	20.68
9	20	43 9	1 1	5 13	2	26	51 21.79
10	21	49	31	40	9	31	53 22.89
11	22	57 10	2 2	15	16	36	54 23.98
12	24	5	35	51	23	41	55 25.06
13	25	15 11	8 3	27	30	46	57 26.13
14	26	29	44 4	.3	37	51	59 27.19
15	27	45 12	20	39	44	56 27	0 28.24
16	29	2 12	58 5	15 13	51 24	1 27	2 29.27

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
1	1 S 58	16 N 36	0 S 11	19 N 13	1 N 21	1 N 38	29 Vi 4	13 Vi 43
5	0	57	41	"	15	„	41 28 R 7	30
9	56	46	„	16	„	44	50	17
13	55	51	„	18	„	46	43	5
16	54	57	„	19	„	48	38 12 Vi 56	

MARCH, 1942.

Date.	Sid. Time.			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
16 M.	23	6	13	25 Pi	2 2 S	0 16 Pi	18 0 S	14 5 S	37
17 Tu.	10	10	26		2 1	36 29	21 1	28 1	40
18 W.	14	6	27		2	13 12 Ar	7 2	33 2 N	29
19 Th.	18	3	28		2 0	49 24	48 3	30 6	21
20 F.	22	0	29			26 7 Ta	1 4	15 9	48
21 Sa.	25	56	0 Ar	1		3 19	3 4	45 12	52
22 Su.	29	53	1	0	0 N	20 1 Ge	15 5	8 15	20
23 M.	33	49	2	0		43 13	9 5	14 17	7
24 Tu.	37	46	2	59	1	6 25	1 5	7 18	9
25 W.	41	43	3	59		30 6 C	58 4	48 18	22
26 Th.	45	39	4	58		54 19	2 4	16 17	47
27 F.	49	36	5	58	2	18 1 Li	17 3	30 16	22
28 Sa.	53	33	6	57		42 13	46 2	36 14	9
29 Su.	57	29	7	56	3	6 26	39 1	31 11	11
30 M.	0	1	25	8	55	30 9 Vi	55 0	18 7	31
31 Tu.	5	21	9	55	3 N	54 23	38 0 N	57 3	25

MARCH, 1942.

Date.	LONGITUDES.						TITHI.				
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.					
16	29 Aq	2 12 Aq	58	5 Ge	15	13 Ge	51	24 Ta	1 27 Ta	2	29.27
17	0 Pi	20 13	37	51		58		6	4	4	0.27
18	1	42 14	16	6	27	14	5		12	6	1.26
19	3	3	56	7	3	12		17	8	2.23	
20	4	46 15	39		39	19		22	10	3.17	
21	5	51 16	23	8	15	26		28	13	14.09	
22	7	15 17	6	51		34		33	15	5.01	
23	8	43	52	9	27	42		39	18	5.93	
24	10	15 18	38	10	3	50		44	21	6.84	
25	11	46 19	24		39	58		50	24	7.75	
26	13	19 20	12 11	15 15	6	56		26	8.67		
27	14	53 21	0	51		14 25	2		28	9.61	
28	16	28	50 12	27		23	8		31	10.57	
29	18	5 22	40 13	3		32	14		33	11.56	
30	19	43 23	30	39		41	20		35	12.58	
31	21	21 24	22 14	15		50 25	26		38	13.64	

Date.	Mercury.		Venus.		March.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	1 S 39	13 S 20	4 N 16	12 S 48	1 N 25	22 N 32	0 S 21	22 N 8
20	1 58	11 7	3 44	30	26	56	"	12
24	2 13	9 18	12	9	26 23	20	20	16
28	2 7	29 2	38 11	45	27	44	"	20
31	2 S 22	5 35	2 N 12	18	27 23	N 57	0 S 19	22 N 24

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
16	1 S 54	16 N 36	0 S 11	19 N 18	1 N 21	1 N 48	28 Vi 38
20	"	17 3	"	21	"	51	R 31 43
24	53	9	"	23	"	53	23 30
28	"	15	"	25	"	55	17 17
31	52	20	"	27	"	57	13 8

Date.	Sid. Time.			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
1 W.	0	9	18	10 Ar	54	4 N	37	7 Li	36
2 Th.	13	15	11	53		40	21	55	3
3 F.	17	11	12	52	5	3	6 Sc	27	4
4 Sa.	21	8	13	51		26	21	8	4
5 Su.	25	4	14	50		49	5 Sa	44	5
6 M.	29	1	15	49	6	12	20	15	5
7 Tu.	32	57	16	48		35	4 Ca	40	4
8 W.	36	54	17	47		58	18	47	4
9 Th.	40	50	18	46	7	21	2 Aq.	32	3
10 F.	44	57	19	45		44	16	7	2
11 Sa.	48	43	20	44	8	6	29	29	1
12 Su.	52	40	21	43		27	12 Pi	41	0
13 M.	56	37	22	42		48	25	32	1 S
14 Tu.	1	0	33	23	41	9	10	8 Ar	12
15 W.	4	30	24	40		31	20	50	3
16 Th.	1	8	26	25	38	9	52	3 Ta	11
						3		59	8
								49	

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	2 S 21	4 S 55	2 N 5	11 S 8	1 N 27	24 N 1	0 S 19	22 N 25
5	2 14	1 27	1 37	10 24	"	"	14 0	18 29
9	1 57	1 N 53	9 9	33	"	"	27 "	33
13	1 32	4 29	0 41	8 34	26	39 0	17	37
16	1 9	7 7	0 27	7 45	"	43 "	22 N 41	

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	23 Pi	125 Aq	14 Ge	51	14 Ge	59	25 Ta 32
2	24	44 26	7 15	27	16	8	38 21
3	26	27 27	0 16	3	17	44	46 16.97
4	28	12	53	39	26	51	48 18.11
5	29	58 28	49 17	15	36	57	51 19.24
6	1 Ar	44 29	43	51	46 26	4	54 20.37
7	3	32 0 Pi	39 18	27	56	11	56 21.49
8	5	23 1	35 19	3 17	6	18	59 22.59
9	7	16 2	31	39	16	25 28	2 23.65
10	9	10 3	28 20	15	26	32	5 24.70
11	12	6 4	25	52	36	39	8 25.73
12	13	0 5	23 21	28	46	46	10 26.75
13	14	57 6	20 22	5	56	53	15 27.74
14	16	58 7	20	41 18	6 27	8 0	18 28.71
15	19	0 8	20 23	18	17	6 0	21 29.68
16	21	2 9	20 23	54 18	28 27	14 28	14 0.63

Date.	Saturn.		Uranus		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
1	1 S 52	17 N 21	0 S 11	19 N 27	1 N 21	1 N 58	28 Vi 11	12 Vi 5
5	1 S 51	28	"	30	"	2 1 R	0 4	11 53
9	50	35	"	33	"	3 27	57	40
13	49	42	"	36	"	5 50	27	
16	"	48	"	39	"	7 45	17	

Date.	Sid. Time.			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
16 Th.	1	8	26	25 Ar	38 9 N 52	3 Ta 11	3 S 59	8 N 49	
17 F.	12	23	26	37 10	14 15	23 4	33 12	4	
18 Sa.	16	19	27	36	35 27	29 4	55 14	43	
19 Su.	20	16	28	34	56 9 Ge	24 5	7 14	46	
20 M.	24	12	29	33 11	18 21	18 5	4 18	5	
21 Tu.	28	9	0 Ta	32	39 3 C	8 4	48 18	31	
22 W.	32	5	1	30 12	0 15	4 4	19 18	14	
23 Th.	36	2	2	29	20 27	3 3	38 17	6	
24 F.	39	59	3	27	40 9 Le	14 2	44 15	10	
25 Sa.	43	55	4	25 13	0 21	46 1	45 12	33	
26 Su.	47	52	5	24	19 4 Vi	34 0	41 9	10	
27 M.	51	48	6	22	39 17	53 0 N	32 5	23	
28 Tu.	55	44	7	20	58 1 Li	37 1	41 0	55	
29 W.	59	41	8	19 14	16 15	44 2	50 3 S	34	
30 Th.	2	3	38	9 17	34 0 Sc	23 3	48 8	0	

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	1 S 9	7 N 7	0 N 27	7 S 45	1 N 26	24 N 43	0 S 17	22 N 41
20	0 40	10 38	1	6 37	"	"	47	16 45
24	0 N 8	14 21	0 S 23	5 23	"	"	50	.. 49
28	0 51	18 6	43 4	0	"	"	53	15 53

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	21 Ar 2	9 Pi 20	23 Ge 54	18 Ge 28	27 Ta 14	28 Ta 24	0.63
17	23	6 10	20 24	31	39	21	27 1.56
18	25	10 11	20 25	7	50	28	30 2.49
19	27	15 12	20	44 19	1	35	33 3.40
20	29	21 13	20 26	20	12	42	37 4.31
21	1 Ta 28	14	21	57	23	49	40 5.22
22	3	36 15	22 27	33	34	56	43 6.13
23	5	45 16	24 28	10	45 28	3	46 7.05
24	7	54 17	26	46	56	11	50 7.98
25	10	3 18	28 29	23 20	8	18	53 8.94
26	12	11 19	30	59	20	25	56 9.93
27	14	19 20	32 0 Ca	36	32	33	59 10.96
28	16	26 21	35 1	13	44	40 29	212.02
29	18	31 22	38	50	56	47	5 13.12
30	20	34 23	43 2	26 21	8 28	55	9 14.26

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
16	1 S 49	17 N 48	0 S 11	19 N 39	1 N 21	2 N 7	27 Vi 45	11 Vi 27
20	48	55	"	42	"	9 R	41	05
24	48 18	2	"	45	"	11	35 10	52
28	47	8	"	48	"	13	32	39

Date.	Sid. Time.			SUN.		MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
1 F.	2	7	34	10 Ta	15 14 N	53 15 Sc	15 4 N	32 12 S 0
2 Sa.		11	31 11	13 15	10 0 Sa	18 4	57 15	17
3 Su.	15	27 12	12 15	27 15	22 5	11 17	32	
4 M.	19	24 13	10	45 0 Ca	17 4	45 18	31	
5 Tu.	23	20 14	8 16	2 14	52 4	11 18	35	
6 W.	27	17 15	5	19 29	10 3	25 17	13	
7 Th.	31	14 16	4	36 13 Aq	2 2	26 14	31	
8 F.	35	10 17	2	53 26	33 1	19 11	27	
9 Sa.	39	7 18	0 17	10 9 Pi	42 0	9 7	49	
10 Su.	43	3 18	58	27 22	35 1 S	2 3	53	
11 M.	47	0 19	56	43 5 Ar	10 2	5 0 N	11	
12 Tu.	50	56 20	54	59 17	38 3	2 4	8	
13 W.	54	53 21	52 18	14 29	57 3	48 7	48	
14 Th.	58	49 22	50	29 12 Ta	5 4	24 11	11	
15 F.	3	2 46 23	48	43 24	8 4	46 14	6	
16 Sa.	6	42 24	46 18	57 6 Ge	7 4	57 16	21	

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	1 N 22	19 N 42	0 S 55	2 S 56	1 N 25	24 N 51	0 S 15	22 N 56
5	1 50 22	27 1 11 1 39	"		42	14	59	
9	2 15 23	41	18 0 7	"	34	"	23 2	
13	2 28 24	46	37	1 N 35 1 24	26	13	5	
16	2 25 25	10	45 2 45	"	14	"	8	

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	22 Ta 30	24 Pi 46	3 C	3 21 Ge 20	29 Ta 3	29 Ta 11	15.42
2	24	28 25	51	40	32	10	14 16.59
3	26	23 26	54 4	16	44	17	18 17.78
4	28	18 27	58	53	56	25	21 18.93
5	0 Ge	8 29	5 5	29 22	8	32	25 20.06
6	1	54 0 Ar	9 6	6	20	39	28 21.17
7	3	40 1	14	42	32	47	32 22.25
8	5	20 2	19 7	9	45	54	35 23.29
9	6	57 3	25	56	56 0 Ge	2	39 24.31
10	8	33 4	29 8	32 23	11	10	42 25.30
11	10	1 5	36 9	9	24	18	46 26.27
12	11	28 6	42	45	37	26	50 27.23
13	12	50 7	49 10	22	50	34	54 28.18
14	14	9 8	55	58 24	3	41	57 29.11
15	15	24 10	1 11	35	16	49 0 Ge	1 0.03
16	16	35 11	7 12	11	29	56	4 0.95

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
1	1 S 47	18 N 14	0 S 10	19 N 49	1 N 21	2 N 14	27 Vi 28	10 Vi 29
5	46	20	"	52	"	15 R	24	17
9	"	26	"	55	20	16	20	04
13	"	32	"	58	"	17	16 9	51
16	45	8	"	20 N 0	"	18	14	42

Date.	Sid. Time.		SUN.		MOON.			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
16 Sa.	3	6	42	24 Ta	46 18 N	57 6 Ge	7 4 S	57 16 N 21
17 Su.	10	39	25	44 19	10 18	2 4	58 17	54
18 M.	14	36	26	41	23 29	51 4	41 18	53
19 Tu.	18	32	27	39	36 11 C	39 4	13 18	40
20 W.	22	29	28	37	49 23	35 3	37 17	46
21 Th.	26	25	29	35 20	2 5 Le	34 2	49 16	5
22 F.	30	22	0 Ge	32	15 17	45 1	54 13	39
23 Sa.	34	18	1	30	28 0 Vi	14 0	48 10	37
24 Su.	38	15	2	28	39 12	53 0 N	19 7	2
25 M.	42	11	3	26	50 26	12 1	28 2	53
26 Tu.	46	8	4	29 21	0 9 Li	52 2	33 1 S	35
27 W.	50	4	5	21	10 23	57 3	34 6	0
28 Th.	54	1	6	18	20 8 Sc	35 4	19 10	14
29 F.	57	57	7	15	29 23	33 4	49 13	55
30 Sa.	4	1	55	8	13	38 8 Sa	50 4	58 16
31 Su.	4	5	51	9	11 21	47 24	8 4	46 18 22

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	16 Ge	35 11 Ar	7 12 C	11 24 Ge	29 0 Ge	56 0 Ge	4 0.95
17	17	42 12	14	48	42 1	4	7 1.86
18	18	44 13	21 13	25	55	11	11 2.76
19	19	42 14	28 14	2 25	8	19	14 3.67
20	20	37 15	35	39	21	26	18 4.58
21	21	27 16	41 15	16	34	34	21 5.50
22	22	13 17	48	53	47	41	25 6.43
23	22	54 18	56 16	30 26	0	49	28 7.40
24	23	30 20	3 17	7	13	57	32 8.38
25	24	3 21	10	44	26 2	5	35 9.40
26	24	29 22	17 18	21	39	13	39 10.46
27	24	52 23	25	58	52	21	42 11.56
28	25	12 24	33 19	35 27	5	29	46 12.69
29	25	26 25	41 20	12	18	37	49 13.86
30	25	34 26	50	49	31	45	53 15.05
31	25	38 27	59 21	26 27	44 2	53 0	57 16.25

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	2 N 25	25 N 10	1 S 45	2 N 45	1 N 24	24 N 14	0 S 13	23 N 8
20	2	11 25	3 1	53 4	18 1	23 23	58	12 11
24	1	47 24	46 2	0 5	55 ..	42 ..	..	13
28	0	51 24	12 2	4 7	36 1	22 22	11	15
31	0	11 23	32 2	8 8	44 1	21 4	..	16

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
16	1 S 45	18 N 38	0 S 10	20 N 0	1 N 20	2 N 18	27 Vi 14	9 Vi 42
20	"	44	"	3	"	19	12	38
24	"	51	"	5	"	20	10	17
28	1 S 44	58	"	8	"	21	8	04
31	19 N 4	"	11	"	22	6	8 Vi 54	

Date.	Sid. Time.		SUN.		MOON.			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
1 M.	4	9	48	10 Ge	8 21 N	56	9 Ca	20
2 Tu.	-	13	45	11	5 22	324	11	3
3 W.	-	17	41	12	2	12	8 Aq	37
4 Th.	-	21	38	13	0	21	22	43
5 F.	-	25	35	13	57	29 6 Pi	14	0
6 Sa.	-	29	31	14	55	36 19	27	0 S
7 Su.	-	33	28	15	52	43 2 Ar	16	2
8 M.	-	37	24	16	49	49 14	48	3
9 Tu.	-	41	21	17	47	54 27	9	3
10 W.	-	45	17	18	44	59 9 Ta	11	4
11 Th.	-	49	14	19	41	321	8	4
12 F.	-	53	11	20	39	7 3 Ge	6	4
13 Sa.	-	57	7	21	36	11 15	1	4
14 Su.	5	1	4	22	34	15 26	53	4
15 M.	-	5	0	23	31	18 8 C	44	4
16 Tu.	-	8	57	24	28	23	21	20
						39	3	37
						18		12

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	0 S	8 23 N	5	2 S	8	9 N 18	1 N 21	22 N 58
5	1	11 21	57	2	10	10 39	20	32
9	2	19 20	48	..	12	11 ..	4	0 S 9 ..
13	3	22 19	40	8	13	43	19 21	32 ..
16	3	56 19	5	6	14	45	18	7 0 S 8 ..

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	25 Ge 36	29 Ar 8	22 C	227 Ge 57	3 Ge 0	1 Ge 0	17.43
2	R 31	0 Ta 16	-	39 28	10	8	4 18.59
3	22	1	24 23	16	23	15	7 19.72
4	10	2	33	53	37	23	11 20.81
5	24	53	3	42 24	30	50	30 21.86
6	34	4	50 25	7 29	4	38	18 22.88
7	7	5	59	44	17	46	21 23.87
8	23	41	7	8 26	21	31	53 24 24.83
9	10	8	18	58	45 4	1	27 25.78
10	22	40	9	27 27	35	59	8 30 26.70
11	8	10	36 28	12 0 C	13	16	34 27.62
12	21	34	11	45	49	27	23 37 28.54
13	0	12	54 29	26	40	30	41 29.45
14	20	28	14	4 0 Le 03	54	37	44 0.35
15	19	55	15	14	40	8	45 47 1.27
16	19	23	16	23	1	17	21 53 51 2.18

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
1	1 S 44	19 N 5	0 S 10	20 N 11	1 N 20	2 N 22	27 Vi 7	8 Vi 1
5	..	11	..	14	..	..	R 6	39
9	..	16	..	17	..	..	..	26
13	..	21	..	20	19	21	D	13
16	..	26	..	22	..	..	7 8	3

JUNE, 1942.

Date.	Sid. Time.		SUN.		MOON.			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
16 Tu.	5	8	57	24 Ge	28 23 N	21 20 C	39 3 S	37 18 N 12
17 W.		12	53 25	26		23 2 Le	35 2	49 16 48
18 Th.		16	50 26	23		25 14	41 1	55 14 43
19 F.		20	47 27	20		26 26	55 0	54 11 43
20 Sa.		24	43 28	17		27 9 Vi	21 0 N	14 8 15
21 Su.		28	39 29	15		26 22	5 1	22 4 22
22 M.		32	36 0 C	12		25 5 Li	25 2	25 0 11
23 Tu.		36	33 1	9		24 18	49 3	24 4 S 1
24 W.		40	29 2	6		23 2 Sc	45 4	13 8 24
25 Th.		44	26 3	4		22 17	14 4	46 12 23
26 F.		48	22 4	1		21 2 Sa	10 5	2 15 31
27 Sa.		52	19 4	58		19 17	18 4	57 17 44
28 Su.		56	15 5	55		17 2 Ca	35 4	31 18 46
29 M.		0	12 6	52		15 17	45 3	45 18 25
30 Tu		4	8 7	50 23 N		13 2 Aq	47 2	45 16 45

JUNE, 1942.

Date.	LONGITUDES.							TITHI.
	Mercury.	Venus.	Mars..	Jupiter.	Saturn.	Uranus.		
16	19 Ge 23	16 Ta 23	1 Le 17	1 C 21	4 Ge 53	1 Ge 51	2.18	
17	18 53 17	33	54	35	5 00	54	3.10	
18	28 18	43	2 31	49	08	58	4.02	
19	05 19	52 3	08 2	03	15 2	01	4.97	
20	17 44 21	01	45	16	22	05	5.93	
21	28 22	11 4	22	30	29	08	6.90	
22	14 23	21	59	43	36	12	7.92	
23	06 24	31 5	36	57	44	15	8.97	
24	02 25	41 6	13 3	10	51	18	10.05	
25	D 02 26	51	51	24	59	21	11.18	
26	05 28	01 7	28	37	6 06	24	12.35	
27	17 29	12 8	05	51	14	27	13.53	
28	32 0 Ge 23	44 4	04	21	30	30	14.72	
29	52 1	33 9	22	18	30	32	15.91	
30	18 17 2	44 10	00	32	38	35	17.08	

Date.	Mercury		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	3 S 56	19 N 5	2 S 6	14 N 45	1 N 18	21 N 7	0 S 8	23 N 18
20	4 15	18 50	2 215	58 1	17 20	33 ..	..	17
24	32	38 1	58 17	13 1	16 19	57 0 S 7	..	16
28	15	43 1	53 18	29 1	15	17 ..	23	15

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
16	1 S 44	19 N 26	0 S 10	20 N 22	1 N 19	2 N 21	27 Vi 07	8 Vi 3
20	..	31 ..	25 ..	..	..	..	08 7 51	
24	..	36 ..	27 ..	..	20 ..	10 ..	10 38	
28	..	41 ..	30 ..	..	..	..	13 7 25	

Date.	Sid. Time.		SUN.		MOON,			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
1 W.	6	8	5	8 C	47	23 N	10 17 Aq	19 1 N 35 14 S 00
2 Th.	12	2	9	44	7	1 Pi	35 0	21 10 31
3 F.	12	58	10	41	3	15	12 0 S	50 6 37
4 Sa.	19	55	11	38 22 N	59 28	31 1	59 2	28
5 Su.	23	51	12	36	54 11 Ar	8 2	58 1 N	45
6 M.	27	48	13	33	49 23	54 3	48 5	43
7 Tu.	31	45	14	30	44 6 Ta	4 4	26 9	18
8 W.	35	41	15	27	38 18	13 4	50 12	31
9 Th.	39	38	16	24	32 0 Ge	10 5	05 15	07
10 F.	43	35	17	22	25 12	00 5	02 17	10
11 Sa.	47	31	18	19	18 23	51 4	47 18	21
12 Su.	51	28	19	16	11 5 C	47 4	23 18	50
13 M.	55	25	20	13	3 17	40 3	46 18	27
14 Tu.	59	21	21	11 21 N	55 29	40 2	58 17	17
15 W.	7	3	18 22	8	46 1 Le	45 2	01 15	16
16 Th.	7	14	23	5	36 24	03 0	57 12	35

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	3 S 52	19 N 07	1 S 46	19 N 16	1 N 14	18 N 46	0 S	7 23 N 14
5	3 03	20 02	38 20	1	13	07	6	12
9	2 28	58	29	49	12 17	24	..	10
13	1 34	21 54	20 21	40	11 16	36	..	7
16	0 53	22 30	13 22	03	10 15	52	5	4

Date.	LONGITUDES.						TITHI,
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	18 Ge 46	3 Ge 54	10 Le 34	4 C 45	6 Ge 45	2 Ge 38	18.21
2	19	20 5	05 11	11	59	52	40 19.32
3	19	58 6	15	48 5	13	59	43 20.38
4	20	42 7	26 12	26	26 7	06	46 21.41
5	21	30 8	37 13	3	40	12	49 22.39
6	22	23 9	47	40	54	19	51 23.36
7	23	20 10	58 14	18 6	07	26	54 24.30
8	24	22 12	09	55	21	33	57 25.23
9	25	26 13	20 15	32	35	40 3	00 26.12
10	26	37 14	31 16	10	48	47	2 27.04
11	27	50 15	41	47 7	01	54	5 27.96
12	29	11 16	52 17	28	15 8	01	8 28.88
13	0 C	35 18	04 18	05	38	07	11 29.79
14	2	02 19	16	42	52	13	14 0.71
15	3	32 20	27 19	19 8	06	19	16 1.63
16	5	08 21	38	57	20	25	18 2.58

Date.	Saturn.		Uranus.		Neptune.			Node,
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
1	1 S 44	19 N 45	0 S 10	20 N 31	1 N 19	2 N 18	27 Vi 14	7 Vi 16
5	"	49	"	4	18	17	17	03
9	"	53	"	36	"	15	22	6 50
13	1 S 45	57	"	38	"	14	26	37
16	"	20 01	"	40	"	12	29	28

Date.	Sid. Time,		SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
16 Th.	7	7	14	23 C 05	21 N 36	24 Le 03	0 S 57	12 N 35
17 F.	11	11	24	02	27	6 Vi 25	0 N 10	9 16
18 Sa.	15	8	25	00	15	19 00	1 18	5 33
19 Su.	19	04	25	57	03	1 Li 51	2 21	1 28
20 M.	23	01	26	54	20	51	15 3	18 2 S 50
21 Tu.	26	57	27	51	39	28 34	4 09	7 00
22 W.	30	54	28	49	27	12 Sc 26	4 45	11 00
23 Th.	34	50	29	46	15	26 42	5 06	14 23
24 F.	38	7	0 Le 44		03	11 Sa 20	5 08	16 55
25 Sa.	42	43	1	41	19	51	26 09	4 50 18 25
26 Su.	46	39	2	38	39	11 Ca 10	4 10	18 45
27 M.	50	36	3	35	26	26 07	3 12	17 40
28 Tu.	54	33	4	33	12	11 Aq 05	2 05	15 23
29 W.	58	30	5	30	18	58	25 34	0 48 12 11
30 Th.	0	02	06	6	27	43	9 Pi 48	0 S 29 8 20
31 F.	8	06	23	7	25	18	28	23 31 1 43 4 15

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	0 S 53	22 N 30	1 S 13	22 N 03	1 N 10	15 N 52	0 S 5	23 N 4
20	59	38	03	32	09	04	..	01
24	1 06	49	0 54	38	08	14	16	.. 22 58
28	17	21	47	43	41	07	13	4 0 S 4 55
31	33	20	41	32	32	06	12	4 .. 52

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	5 C	08	21 Ge 38	19 Le 57	8 C 20	8 Ge 25	3 Ge 18 2.58
17	6	45	22	50 20	34	34	31 20 3.53
18	8	29	24	01 21	12	47	37 22 4.50
19	10	14	25	13	49	9 00	43 25 5.49
20	12	03	26	25 22	26	14	21 49 27 6.53
21	13	57	27	36 23	04	27	55 29 7.58
22	15	50	28	48	41	40	9 01 32 8.63
23	17	48	29	59 24	19	52	07 34 9.75
24	19	46	1 C	11	56	10	04 13 37 10.88
25	21	47	2	23 25	34	16	19 39 12.04
26	23	49	3	35 26	11	28	25 41 13.21
27	25	52	4	47	49	40	31 43 14.38
28	27	56	5	59 27	27	52	37 46 15.55
29	0 Le	01	7	10 28	04 11	04	42 48 16.68
30	2	13	8	22	42	16	47 50 17.78
31	3	20	9	34 29	20	28	52 53 18.84

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
16	1 S 45	20 N 01	0 S 10	20 N 40	1 N 18	2 N 12	27 Vi 29	6 Vi 28
20	"	4	"	42	"	10	33	16
24	"	46	7	44	"	08	38	03
28	"	10	"	45	"	06	43	5 51
31	"	13	"	46	"	04	48	40

Date.	Sid. Time.	SUN.			MOON.		
		H. M. S.	Long.	Decl.	Long.	Lat.	Decl.
1 Sa.	8 10 19	8 Le	22 18 N	13 6 Ar 50	2 S 50	0 N	8
2 Su.	14 16 9	19 17	58 19	51 3	44 4	4	19
3 M.	18 13 10	17	43 2 Ta	25 4	26 8	4	
4 Tu.	22 09 11	14	28 14	41 4	55 11	31	
5 W.	26 06 12	12	13 26	49 5	11 14	20	
6 Th.	30 03 13	09 16	58 8 Ge	44 5	16 16	29	
7 F.	34 00 14	07	43 20	34 5	03 18	00	
8 Sa.	37 56 15	04	27 2 C	28 4	39 18	42	
9 Su.	41 53 16	02	10 14	22 4	00 18	37	
10 M.	45 49 16	59 15	52 26	24 3	14 17	39	
11 Tu.	49 45 17	57	34 8 Le	33 2	17 15	40	
12 W.	53 42 18	54	16 20	56 1	13 13	22	
13 Th.	57 38 19	52 14	57 3 Vi	21 0	06 10	11	
14 F.	9 34 20	50	38 16	02 1 N	04 6	30	
15 Sa.	5 31 21	47	19 28	55 2	10 2	25	
16 Su.	9 28 22	45 14	00 12 Li	01 3	14 1 S	45	

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	1 N 38	20 N 13	0 S 30	22 N 30	1 N 6	12 N 32	0 S 4	22 N 51
5	1 45	17 40	18	09	5 11	37	..	48
9	1 41	15 12	07 21	44	4 10	41	0 S 3	44
13	1 34	12 48	0 N 05	10	2 9	43	..	40
16	1 18	10 36	0 13	20 36	1 9	01	..	36

Date.	LONGITUDES.						TITHI.
	Mercurv.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	6 Le 30	10 Ca 46	29 Le 58	11 C 40	9 Ge 57	3 Ge 55	19.87
2	8 36 11	58 0 Vi 35	52 10 02	57	57	20.87	
3	10 41 13	10 1 12	12 12 04	07	58	21.84	
4	12 45 14	23 50	16 12 4	00	22.79		
5	14 43 15	36 2 28	28 17	01	23.72		
6	16 45 16	48 3 06	40 22	03	24.63		
7	18 44 18	00 44	52 26	05	25.54		
8	20 42 19	13 4 22	13 04	31	07	26.45	
9	22 39 20	25 5 00	16 36	08	27.36		
10	24 35 21	38 38	28 40	10	28.29		
11	26 30 22	51 6 16	40 45	12	29.22		
12	28 24 24	04 54	52 49	13	0.17		
13	0 Vi 16 25	17 7 32	14 04	54	15 1.12		
14	2 08 26	29 8 10	16 58	06	2.10		
15	4 00 27	42 48	28 11	02	17 3.10		
16	5 50 28	53 9 26	14 40	06 4	18 4.12		

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
1	1 S 47	20 N 20	0 S 10	20 N 46	1 N 18	2 N 03	27 Vi 49	5 Vi 37
5	..	21 ..	47 ..	..	01	56	25	
9	..	22 ..	48 ..	..	1 N 58	28 03	12	
13	.. 48	23 ..	49 ..	.. 17	55	11 4	59	
16	..	24 ..	50 ..	..	52	17	49	

Date.	Sid. Time,		SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
16 Su.	9	9	28	22 Le	45 14 N 00	12 Li 01	3 N 14	1 S 45
17 M.	13	24	23	43 13	41 25	23 4	05 5	56
18 Tu.	17	21	24	40	22 9 Sc	00 4	45 10	01
19 W.	21	17	25	38	03 22	58 5	10 13	24
20 Th.	25	14	26	36 12	43 7 Sa	04 5	15 16	10
21 F.	29	10	27	34	23 21	21 5	03 18	00
22 Sa.	33	07	28	31	03 5 Ca	54 4	30 18	41
23 Su.	37	04	29	29 11	43 20	29 3	41 18	10
24 M.	41	01	0 Vi	27	22 5 Aq	05 2	35 16	27
25 Tu.	44	58	1	25	01 19	32 1	22 13	39
26 W.	48	54	2	23 10	40 3 Pi	51 0	05 10	02
27 Th.	52	51	3	21	19 17	53 1 S	13 5	56
28 F.	56	47	4	19 9	59 1 Ar	33 2	24 1	37
29 Sa.	10	0	43 5	17	38 14	52 3	26 2 N	40
30 Su.	4	39	6	15	17 28	04 4	13 6	42
31 M.	8	36	7	13 8	56 10 Ta	28 4	49 10	20

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	1 N 18	10 N 36	0 N 13	20 N 36	1 N 01	9 N 01	0 S 3	22 N 36
20	0	58 7 05	22 19	27 1 00	8	06	2	31
24	31 4	01	32 18	23 0 58	7	04	„	26
28	02	1 45	42 17	25 57	6	00	„	21
31	0 S 28	0 S 22	49 16	31 56	5	13	1	16

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	5 Vi 50	28 C: 55	9 Vi 26	14 C. 40	11 Ge 06	4 Ge 18	4.12
17	7	36 0 Le 10	04	52	10	19	5.15
18	9	20 1 21	42 15	04	14	21	6.20
19	11	03 2 34	11 20	16	18	22	7.28
20	12	45 3 47	58	28	22	23	8.37
21	14	25 5 00	12 37	40	26	24	9.48
22	16	04 6 13	13 15	52	30	26	10.63
23	17	40 7 26	54 16	04	34	27	11.76
24	19	15 8 39	14 32	16	37	28	12.89
25	20	52 9 52	15 10	28	40	29	14.01
26	22	23 11 05	48	40	43	30	15.12
27	23	59 12 18	16 26	52	46	30	16.21
28	25	28 13 33	17 04	17	04	31	17.21
29	26	58 14 47	43	16	52	32	18.30
30	28	26 16 01	18 21	28	55	32	19.32
31	29	54 17 15	19 00	17	39	58	33 20.27

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
16	1 S 48	20 N 13	0 S 10	20 N 50	1 N 17	1 N 52	28 Vi 17	4 Vi 49
20	„	15	„	51	..	49	24	36
24	49	17	„	52	..	46	32	23
28	„	19	„	53	..	43	40	11
31	50	20 N 20	..	20 N 53	..	1 N 40	28 Vi 46	4 Vi 02

Date.	Sid. Time.			SUN.			MOON.			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.		
1 Tu	10	12	32	8 Vi	11	8 N	35 22 Ta	47	5 S	10 12 N 50
2 W.	16	29	9	09		14	4 Ge	54	5	16 15 48
3 Th.	20	25	10	07	7	52 16	52	5	10 17	35
4 F.	24	22	11	05		30 28	45	4	49 18	32
5 Sa.	28	18	12	03		08 10 C	41	4	17 18	41
6 Su.	32	15	13	01	6	45 22	36	3	39 18	02
7 M.	36	11	13	59		22 4 Le	41	2	38 16	34
8 Tu.	40	08	14	58	5	59 16	56	1	36 14	13
9 W.	44	04	15	56		36 29	30	0	28 11	14
10 Th.	48	01	16	54		13 12 Vi	17	0 N	43 7	40
11 F.	51	57	17	53	4	50 25	1	1	55 3	35
12 Sa.	55	53	18	52		27 8 Li	37	3	00 0 S	37
13 Su.	59	50	19	50		04 22	07	3	55 4	58
14 M.	11	3	46 20	49	3	41 5 Sc	54	4	37 9	03
15 Tu.	7	43	21	47		18 19	48	5	04 12	44
16 W.	11	39	22	46	2	55 3 Sa	51	5	16 15	41

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	0 S 38	1 S 05	0 N 52	16 N 08	0 N 55	4 N 57	0 S	122 N 15
5	1 12 3	47	59 14	27	54 3	56 0	0 0	11
9	1 46 6	14	1 06	12 53	52 2	54 0	0 0	6
13	2 19 8	30	1 11	11 26	50 1	50 0	0 N 1	01
16	2 44 10	05	1 16	10 09	49 1	02 0	0 21 N 56	

Date.	LONGITUDES.							TITHI.
	Mercury.	Venus.	Mars.	Jupiter,	Saturn.	Uranus.		
1	1 Li 20	18 Le 29	19 Vi 38	17 C 50	12 Ge 01	4 Ge 33	21.21	
2	2 43 19	43 20	16 18	01	03	33	22.14	
3	4 6 20	55	54	11	05	34	23.06	
4	5 25 22	09 21	33	21	07	34	23.97	
5	6 45 23	23 22	11	31	09	34	24.88	
6	7 03 24	37	49	41	11	35	25.80	
7	9 18 25	51 23	28	51	13	35	26.73	
8	10 31 27	05 24	06 19	01	15	35	27.66	
9	11 42 28	19	45	11	17	R 35	28.63	
10	12 55 29	33 25	23	21	19	35	29.62	
11	14 05 0 Vi	47 26	02	31	21	35	0.63	
12	15 12 2	01	41	41	22	35	1.65	
13	16 17 3	15 27	20	51	23	34	2.69	
14	17 19 4	29	58 20	01	24	34	3.76	
15	18 20 5	43 28	37	11	25	34	4.83	
16	19 19 6	57 29	16 20	20 12	26	34	5.92	

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
1	1 S 50	20 N 24	0 S 10	20 N 53	1 N 17	1 N 39	28 Vi 48
5	51	25	"	54	"	35	56 46
9	"	26	"	"	"	32 29	04 33
13	52	27	"	"	"	29	14 20
16	"	26	"	"	"	26	20 11

SEPTEMBER, 1942.

Date.	Sid. Time.	SUN.			MOON.			
		H. M. S.	Long.	Decl.	Long.	Lat.	Decl.	
16 W.	11 11 39	22 Vi. 46	2 N 55	3 Sa 51	5 N 16	15 S 41		
17 Th.	15 36 23	44	32 18	01 5	05 17	44		
18 F.	19 32 24	43	09 2 Ca	12 4	38 18	41		
19 Sa.	23 29 25	42 1	46 16	25 3	53 18	20		
20 Su.	27 26 26	40	23 0 Aq	37 2	57 17	11		
21 M.	31 22 27	39 0	59 14	45 1	43 14	42		
22 Tu.	35 19 28	37	35 28	49 0	29 11	20		
23 W.	39 15 29	36	21 12 Pi	41 0 S	45 7	30		
24 Th.	43 12 0 Li	35 0 S	02 26	20 2	00 3	15		
25 F.	47 08 1	34	26 9 Ar	41 3	03 1 N	04		
26 Sa.	51 05 2	32	50 22	55 3	54 5	12		
27 Su.	55 01 3	31 1	14 5 Ta	48 4	34 9	07		
28 M.	58 57 4	30	38 18	23 5	01 12	28		
29 Tu.	12 2 54 5	29 2	02 0 Ge	25 5	12 15	10		
30 W.	6 51 6	28	26 12	49 5	07 17	12		

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	2 S 44	10 S 05	1 N 16	10 N 09	0 N 49	1 N 00	N 0	21 N 56
20	3 9 11	44	20 8	20	48	0 S 1	0	1
24	3 28 12	56 1	23 6	26	46 1	3 0	2	45
28	3 42 13	26 1	26 4	31	45 1	50	2	40

SEPTEMBER, 1942.

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus,	Mars.	Jupiter.	Saturn.	Uranus.	
16	19 Li 19	6 Vi 57	29 Vi 16	20 C 20	12 Ge 26	4 Ge 34	5.92
17	20 14 8	11 55	29	27	R 33	7.02	
18	21 05 9	25 0 Li 34	38	28	33	8.12	
19	21 53 10	39 1 12	47	29	33	9.22	
20	22 37 11	53 51	56	30	32	10.32	
21	23 19 13	07 2 30	21 05	30	32	11.41	
22	23 57 14	21 3 09	14	30	31	12.49	
23	24 30 15	35 48	23	31	31	13.57	
24	24 58 16	50 4 27	32	31	30	14.64	
25	25 23 18	05 5 06	41 R 31	30	30	15.68	
26	25 40 19	21 45	49	31	29	16.70	
27	25 52 20	35 6 24	57	30	28	17.69	
28	26 00 21	50 7 03	22 05	30	27	18.66	
29	25 R 59 22	05 42	13	30	26	19.61	
30	25 52 24	20 8 21	22 21	30	25	20.53	

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
16	1 S 52	20 N 26	0 S 10	20 N 54	1 N 17	1 N 26	29 Vi 20	3 Vi 11
20	53 ..	" "	" "	"	23	29	2	59
24	" "	" 53	" "	53	" 19	" 39	46	
28	54	25	..	"	" 16	" 48	33	

OCTOBER, 1942.

Date.	Sid. Time,			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
1 Th.	12	10	48	7 Li	27	2 S	50	24 Ge	47
2 F.	14	44	8	26	3	13	6 C.	40	4 S
3 Sa.	18	41	9	25	36	18	32	3	18 N
4 Su.	22	37	10	24	59	0 Le	26	2	18
5 M.	26	33	11	23	4	22	12	1	15
6 Tu.	30	30	12	22	45	24	54	0	12
7 W.	34	26	13	22	5	08	7 Vi	35	9
8 Th.	38	23	14	21	31	20	33	1	00
9 F.	42	19	15	20	54	3 Li	56	2	07
10 Sa.	46	15	16	19	6	17	17	3	35
11 Su.	50	12	17	19	40	1 Sc	36	4	3 S
12 M.	54	08	18	18	7	03	15	4	36
13 Tu.	58	05	19	17	26	0 Sa	14	5	15
14 W.	13	2	02	20	17	49	14	5	00
15 Th.	5	58	21	16	8	12	28	54	17
16 F.	9	55	22	16	34	13 Ca	15	3	18
									45

Date,	Mercury,		Venus,		Mars,		Jupiter,	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	3 S	42	13 S	15	1 N	28	3 N	06
5	3	20	11	57	27	1	11	42
9	2	14	9	25	26	0 S	55	40
13	1	05	6	45	25	2	52	39
16	0	03	4	48	23	4	23	37

OCTOBER, 1942.

Date.	LONGITUDES.							TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.		
1	25 Li	35	25 Vi	35	9 Li	00	22 C.	28
2	25 R	12	26	49	39	35	R	28
3	24	42	28	04	10	18	42	27
4	24	06	29	29	58	49	26	20
5	23	18	0 Li	34	11	37	56	25
6	22	16	1	48	12	16	23	03
7	21	17	3	03	56	10	23	17
8	20	20	4	18	13	35	16	22
9	19	14	5	33	14	14	22	21
10	18	05	6	48	54	28	20	13
11	16	55	8	03	15	33	34	18
12	15	42	9	18	16	12	40	16
13	14	35	10	33	52	46	14	08
14	13	34	11	48	17	31	51	11
15	12	40	13	40	18	10	56	09
16	11	56	14	18	50	24	01	06

Date.	Saturn.		Uranus.		Neptune.			Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Long.	
1	1 S	54	20 N	25	0 S	10	20 N	52
5	55	24	"	"	51	..	10	0 Li 04
9	"	23	"	"	50	..	07	13 1 58
13	"	22	"	"	49	18	03	21 45
16	56	21	"	"	48	..	00	27 36

Date.	Sid. Time.		SUN.			MOON.			
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
16 F.	13	9	55	22 Li	16 8 S	34 13 Ca	15 3 N	53 18 S	45
17 Sa.		13	51	23	15	56 27	18 3	00 17	35
18 Su.		17	48	24	15 9	18 11 Aq	18 1	55 15	30
19 M.		21	45	25	14	40 25	03 0	45 12	23
20 Tu.		25	41	26	14 10	02 8 Pi	44 0 S	30 8	45
21 W.		29	38	27	14	24 22	12 1	40 4	36
22 Th.		33	34	28	13	46 5 Ar	27 2	45 0	21
23 F.		37	30	29	13 11	08 18	31 3	38 3 N	53
24 Sa.		41	27	0	Sc 13	29 1 Ta	25 4	20 7	54
25 Su.		45	23	1	13	50 14	00 4	45 11	26
26 M.		49	20	2	12 12	11 26	29 5	00 14	23
27 Tu.		53	17	3	12	32 8 Ge	42 4	49 16	41
28 W.		57	14	4	12	53 20	48 4	41 18	15
29 Th.	14	1	10	5	12 13	13 2 C	43 4	19 19	00
30 F.		5	08	6	12	32 14	31 3	45 18	55
31 Sa.	14	9	05	7	12 13	51 26	25 2	57 17	40

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	0 S 03	4 S 48	1 N 23	4 S 23	0 N 37	6 S 48	0 S 04	21 N 23
20	1 N 04	3 09	20 6	19	35 7	49 ..		20
24	41	35	16 8	16	33 8	50	05	17
28	2	07 4	22	11 10	11	31 9	51 ..	15
31	08 5	47	06 11	32	29 10	37	06	13

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	11 Li 56	14 Li 18	18 Li 50	24 C 01	12 Ge 07	4 Ge 06	6.75
17	11 R 20	15	33 19	30	06	R 05	R 04
18	10 55	16	48 20	10	11	02	02
19	10 40	18	03	49	16	00	00
20	10	37 19	18 21	29	21 11	58 3	58
21	10 D	46 20	33 22	09	25	55	56
22	11	04 21	48	49	29	52	54
23	11	33 23	03 23	29	33	49	52
24	12	11 24	18 24	09	37	46	50
25	12	57 25	33	49	41	43	47
26	13	52 26	48 25	30	45	40	45
27	14	52 28	03 26	10	48	37	43
28	16	00 29	18	50	51	34	41
29	17	12 0 Sc	34 27	31	54	31	39
30	18	28 1	50 28	11	57	28	37
31	19 Li 48	3	05 28 Li 51		0 11 Ge 24	3 G 35	21.60

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
16	1 S 56	20 N 21	0 S 10	20 N 48	1 N 18	1 N 00	0 Vi 27
20	"	19	"	47	"	0 56	36 23
24	57	17	"	45	"	53	44 10
28	"	15	"	44	"	51	52 0 Vi 57
31	"	20 N 13	"	20 N 43	"	0 N 49	0 Vi 58 48

Date.	Sid. Time.			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
1 Su.	14	13	2	8 Sc	12 14 S	10	8 Le	15 2 S	00 16 N 10
2 M.	16	58	9	12	29 20	20 0	59	13	40
3 Tu.	20	55	10	12	48 2 Vi	41 0 N	04	10	30
4 W.	24	51	11	12 15	06 15	25 1	13 6	51	
5 Th.	28	48	12	12	24 28	36 2	16 2	43	
6 F.	32	45	13	13	42 12 Li	0 3	15 1 S	42	
7 Sa.	36	42	14	13 16	00 25	57 4	05 6	11	
8 Su.	40	38	15	13	18 10 Sc	18 4	43 10	22	
9 M.	44	35	16	13	36 24	53 5	00 14	05	
10 Tu.	48	31	17	14	53 9 Sa	45 4	57 17	11	
11 W.	52	28	18	14 17	10 24	32 4	34 18	37	
12 Th.	56	25	19	14	27 9 Ca	15 3	56 19	05	
13 F.	15	0	21	20	15	43 23	50 3	01 18	15
14 Sa.	4	17	21	15	59 8 Aq	02 1	57 16	20	
15 Su.	8	14	22	16 18	15 22	00 0	48 13	25	
16 M.	15	12	10 23	16	30 5 Pi	40 0 S	25 9	51	

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	2 N 7	6 S 20	1 N 4	12 S 2	0 N 29	10 S 51	0 N 6	21 N 14
5	1	55 8 38 0	56 13 45	27 11 47	7	"		
9	3° 10 57	49 15 23	25 12 45	"	"			
13	10 13 33	41 16 55	23 13 43	8	15			
16	0 N 51 15	27 0	33 18 00 0	21 14 25	8	15		

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	21 Li 14	4 Sc 20	29 Li 31	25 C 02	11 Ge 21	3 Ge 33	22.51
2	22 41 5	35 0 Sc 11	04 R 18	R 30	23.43		
3	24 11 6	50 0	51	06	14	28	24.37
4	25 40 8	05 1	31	08	10	25	25.35
5	27 13 9	20 2	12	09	06	23	26.37
6	28 46 10	35 2	52	10	2	21	27.40
7	0 Sc 20 11	50 3	32	11 10	58	19	28.48
8	1 55 13	05 4	13	12	54	17	29.59
9	3 31 14	20 4	54	12	50	15	0.72
10	5 05 15	35 5	35	13	46	13	1.87
11	6 40 16	50 6	16	13	42	10	3.03
12	8 19 18	05 6	57	14	38	08	4.17
13	10 6 19	21 7	38 R 14	34	06	5.30	
14	11 32 20	36 8	19	14	30	04	6.40
15	13 08 21	51 9	00	14	26	01	7.48
16	14 44 23	06 9	41 25	13 10	22 2	58	8.53

Date.	Saturn.		Uranus		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
1	1 S 57	20 N 13	0 S 10	20 N 43	1 N 18	0 N 48	0 Li 59 0 Vi 45
5	"	11	"	41	"	45 1 06	33
9	"	09	"	39	"	42 13	20
13	"	07	"	37	19	39 20	07
16	"	20 N 05	"	20 N 36	1 N 19	0 N 37 1 Li 25	29 Le 57

NOVEMBER, 1942.

Date.	Sid. Time.			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
16 M.	15	12	10	23 Sc	16 18 S	30 5 Pi	40 0 S	25 9 S	51
17 Tu.	16	07	24	16	45 19	00 1	35 5	49	
18 W.	20	03	25	17	59 2 Ar	10 2	39 1	33	
19 Th.	24	00	26	17 19	13 15	05 3	30 2 N	41	
20 F.	27	56	27	18	27 27	50 4	12 6	44	
21 Sa.	31	53	28	19	41 10 Ta	24 4	39 10	23	
22 Su.	35	49	29	19	55 22	48 4	56 13	39	
23 M.	39	46	0 Sa	20 20	0 5 Ge	02 5	00 16	12	
24 Th.	43	42	1	20	22 17	05 4	43 18	00	
25 W.	47	39	2	21	35 29	06 4	19 19	01	
26 Th.	51	35	3	22	48 11 C	00 3	45 19	18	
27 F.	55	32	4	22 21	01 22	48 2	57 18	35	
28 Sa.	59	28	5	23	13 4 Le	36 2	03 17	07	
29 Su.	15	3	25	6	24	24 16	34 1	05 14	51
30 M.	16	7	22	7	25 21	34 28	32 0	02 11	55

Date.	Mercury.		Venus.		Mars.		Jupiter.		
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
16	0 N 51	15 S 27	0 N 33	18 S 00	0 N 21	14 S 25	0 N 08	21 N 15	
20	24 17	51	24 19	18	10 15	16	09	16	
24	0 420	00	16 20	29	17 16	07	09	18	
28	0 32	21 S 25	0 N 08	21 S 34	0 N 15	16	55	0 N 10	21 N 20

NOVEMBER, 1942.

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	14 Sc 44	23 Sc 06	9 Sc 41	25 C. 13	10 Ge 22	2 Ge 58	8.53
17	16 21	24 21 10	22	R 13	R 17	R 56	9.56
18	17 57	25 36 11	03	12	12	53	10.58
19	19 32	26 51 11	44	11	07	51	11.57
20	21 09	28 06 12	25	10	02	49	12.54
21	22 45	29 22 13	06	08 9	57	46	13.51
22	24 20	0 Sa 37 13	47	06	52	44	14.46
23	25 56	1 53 14	28	04	47	41	15.39
24	27 32	3 09 15	09	01	42	38	16.31
25	29 06	4 25 15	50 24	58	37	36	17.23
26	0 Sa 41	5 41 16	31	55	32	33	18.14
27	2 16	6 57 17	12	52	27	31	19.04
28	3 50	8 13 17	53	49	22 29	28	19.94
29	5 25	9 29 18	34	46	17	26	20.85
30	6 59	10 45 19	16 24	43 9	12 2	24	21.76

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
16	1 S 57	20 N 05	0 S 10	20 N 36	1 N 19	0 N 37	1 Li 25
20	"	2	09	34	"	35	30 44
24	"	19 59	09	32	"	33	36 32
28	"	56	09	30	"	32	41 19

Date.	Sid. Time.			SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.	
1 Tu	16	11	18	8 Sa	26 21 S 43	10 Vi 48	1 N 05	8 N 48	
2 W.	15	15	9	26	52 22	20 2	07 4	40	
3 Th.	19	11	10	27 22	00 6 Li 25	3 06 0	0	12	
4 F.	23	08	11	28	08 19	50 3	58 4 S	07	
5 S.	27	04	12	29	16 3 Sc 48	4 33 8	25		
6 Su.	31	01	13	30	24 18	14 4	55 12	29	
7 M.	34	58	14	31	32 3 Sa 08	5 00 15	48		
8 Tu.	38	54	15	32	40 18	10 4	41 18	08	
9 W.	42	51	16	33	47 3 Ca 25	4 06 19	10		
10 Th.	46	48	17	34	53 18	30 3	10 18	54	
11 F.	50	44	18	35	59 3 Aq 23	2 05 17	20		
12 Sa.	54	41	19	36 23	05 17	50 0	48 14	35	
13 Su.	58	38	20	37	09 2 Pi 00	0 S 27 11	05		
14 M.	17	2	35	21	38	13 15	47 1	36 7	03
15 Tu.	6	31	22	39	16 29	06 2	40 2	46	
16 W.	10	28	23	40 23	19 12 Ar 08	3 S 35	1 N 30		

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
1	0 S 50	22 S 33	0 S 01	22 S 15	0 N 14	17 S 31	0 N 10	21 N 23
5	1	18 23	48	10	54	11 18	17	11 26
9	1	37 24	45	20 23	27	08 19	00	12 30
13	1	50 25	14	30	55	05	40	12 34
16	2	00 25	27	0 S 39 24	03	0 N 02 20	07	0 N 13 21 N 38

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
1	8 Sa 32	12 Sa 01	19 Sc 57	24 C 39	9 Ge 07	2 Ge 22	22.70
2	10 06 13	17 20	38	R 35	R 02	R 20	23.66
3	11 40 14	32 21	19	31 8	57	17	24.67
4	13 14 15	47 22	00	27	52	15	25.70
5	14 50 17	02	42	22	47	12	26.78
6	16 24 18	18 23	23	17	42	10	27.90
7	17 57 19	33 24	05	12	37	07	29.05
8	19 32 20	48	47	07	32	04	0.22
9	21 05 22	04 25	29	02	27	01	1.40
10	22 40 23	20 26	11 23	57	R 22	1 59	2.48
11	24 15 24	35	53	52	17	56	3.73
12	25 48 25	50 27	35	47	12	54	4.85
13	27 22 27	06 28	17	42	07	51	5.95
14	28 57 28	21	59	37	02	49	7.01
15	0 Ca 31 29	37 29	41	32 7	57	46	8.04
16	2 05 0 Ca 53	0 Sa 23 23	27	52 1	44	9.04	

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
1	1 S 56	19 N 54	0 S	9 20 N 29	1 N 19	0 N 31	1 Li 45 29 Le 09
5	"	51	"	27	20	30	49 2S 57
9	"	49	"	25	20	29	52 44
13	"	46	"	23	20	28	55 31
16	"	19 N 44	"	20 N 22	1 N 20	0 N 27	1 Li 58 28 Le 22

DECEMBER, 1942.

Date.	Sid. Time,		SUN.			MOON.		
	H.	M.	S.	Long.	Decl.	Long.	Lat.	Decl.
16 W.	17	10	28 23	Sa 40 23 S	19 12 Ar 08	3 S	35	1 N 30
17 Th.	14	24 24	41	21 24	52 4	16 5	38	
18 F.	18	21 25	42	23 7 Ta 20	4	46 9	35	
19 Sa.	22	18 26	43	25 19	42 5	00 12	47	
20 Su.	26	14 27	44	26 1 Ge 50	5	05 15	33	
21 M.	30	11 28	45	27 13	54 4	53 17	36	
22 Tu.	34	08 29	46	27 25	51 4	25 18	53	
23 W.	38	04 0 Ca 47		26 7 C 48 3		48 19	20	
24 Th.	42	01 1	48	25 19	36 3	03 18	55	
25 F.	45	57 2	50	24 1 Le 27	2	10 17	39	
26 Sa.	49	53 3	51	22 13	17 1	10 15	43	
27 Su.	53	50 4	52	20 25	10 0	07 13	00	
28 M.	57	47 5	53	18 7 Li 15	1 N 00	9 45		
29 Tu.	18	01 44 6	54	16 19	30 2	03 6	04	
30 W.	05	40 7	55	14 2 Li 00	3	01 2	00	
31 Th.	09	37 8	56	12 14	53 3	53 2 S	18	
32 F.	18	13 23 9	57 23	10 28	15 4	33 6	33	

Date.	Mercury.		Venus.		Mars.		Jupiter.	
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.
16	2 S 00	25 S 27	0 S 39	24 S 03	0 N 02	20 S 07	0 N 13	21 N 38
20	08	13	47	01	00	39	14	43
24	13 24	53	55 23	48	0 S 02	21	11	48
28	07 23	57 1	02	29	04	42	15	53
31	57	01	07	05	06	12	16	58
32	1 S 54	22 S 37	1 S 08	22 S 56	0 S 6	22 S 20	0 N 16	21 N 59

DECEMBER, 1942.

Date.	LONGITUDES.						TITHI.
	Mercury.	Venus.	Mars.	Jupiter.	Saturn.	Uranus.	
16	2 Ca 05	0 Ca 53	0 Sa 23	23 C 27	7 Ge 52	1 Ge 44	9.04
17	3 40	2 08	1 05	R 22	47	41	10.02
18	5 15	3 24	47	16	43	39	10.97
19	6 50	4 40	2 29	10	39	37	11.88
20	8 25	5 55	3 11	04	35	35	12.84
21	10 00	7 11	53 22	58	31	33	13.76
22	11 35	8 27	4 35	51	27	31	14.66
23	13 09	9 43	5 18	44	23	29	15.58
24	14 44	10 59	6 00	36	19	27	16.48
25	16 18	12 14	7 43	28	15	25	17.38
26	17 52	13 29	8 25	20	11	23	18.29
27	19 26	14 44	7 07	12	07	21	19.19
28	20 59	16 00	49	04	03	19	20.11
29	22 31	17 16	9 32	21	56	6 59	17 21.05
30	24 02	18 32	10 14	48	55	15	22.01
31	25 33	19 47	57	40 2	51	13	23.01
32	27 Ca 02	21 Ca 04	12 Sa 40	21 C 31	6 Ge 47	1 Ge 11	24.02

Date.	Saturn.		Uranus.		Neptune.		Node.
	Lat.	Decl.	Lat.	Decl.	Lat.	Decl.	
16	1 S 56	19 N 44	0 S 09	20 N 22	1 N 20	0 N 27	1 Li 58 28 Le 24
20	55	42	"	20	"	26 2	01 09
24	40	"	18	21	"	02 27	57
28	54	38	17	"	25	03	42
31	53	36	16	"	"	04	34
32	1 S 52	19 N 36	0 S 09	20 N 15	1 N 21	0 N 25	2 Li 04 27 Le 31

APPENDIX.

I Zero meridian of the Indians.

For centuries, Ujjain has been enjoying the astronomical importance of being the Greenwich of India. The Surya-Sidhanta gives the position of the zero meridian by the verse,

राक्षसालयदेवीकः शैलयोर्मध्यसूत्रगः

रोहीतकमवन्तीच यथा सविहितंसरः

Bhaskaracharya describes its position by

यल्लंकोज्जयनीपुरीं परिकुरक्षेत्रादिदेशान् स्मृशन्

सूत्रं मेरुगतं वृद्धिनिगदिता सा मध्यरेखा भुवः

The following places lie on the meridian of Ujjain:—

Kanchi, Calicut, Gadag, Bagalkot, Sholapur, Barsi, Bid,
Bhusaval, Mhow, Kotah, Tonk, Jaipur, Rohtak,
Hissar, Nabha, Ludhiana, Hoshiarpur.

II Heliacal risings and settings of Jupiter and Venus

	Setting	Rising
JUPITER	.. 9-5-1942	14-7-1942
VENUS	.. 26-1-1942 (West)	4-2-1942 (East)
"	.. 14-10-1942 (East)	25-12-1942 (West)

III Lunar Eclipse.

There will be a Total Eclipse of the Moon on Monday, the 2nd March 1942, after Mid-night.

Commencement of Eclipse 3h. 57min. S. T.

Middle of the Eclipse 5h. 47min. "

End of the Eclipse 7h. 37min. "

IV Full Moons and New Moons in 1942.

Full Moons.		New Moons.	
Date.	Time (S. T.)	Date.	Time (S. T.)
January, 2 ..	21h. 14.36m.	January, 17 ..	3h. 3.0m.
February, 1 ..	14h. 43.0m.	February, 15 ..	15h. 28.8m.
March, 3 ..	5h. 49.5m.	March, 17 ..	5h. 20.1m.
April, 1 ..	18h. 6.6m.	April, 15 ..	20h. 1.4m.
May, 1 ..	3h. 29.1m.	May, 15 ..	11h. 15.1m.
.. 30 ..	10h. 27.4m.	June, 14 ..	1h. 29.3m.
June, 28 ..	17h. 31.6m.	July, 13 ..	17h. 0.6m.
July, 28 ..	Oh. 39.2m.	August, 12 ..	7h. 58. Om.
August, 26 ..	9h. 10.9m.	September, 10 ..	21h. 28.6m.
September, 24 ..	20h. 9.4m.	October, 10 ..	10h. 17.8m.
October, 24 ..	9h. 37.7m.	November, 8 ..	20h. 53.2m.
November, 23 ..	1h. 52.0m.	December, 8 ..	7h. 12.7m.
December, 22 ..	20h. 34.3m.		

IMPORTANT PLACES IN INDIA.

Longitudes are calculated with respect to zero meridian of Ujjain whose Lat. is $23^{\circ} 10' N.$

Place.	Lat.	Long.	Place.	Lat.	Long.
Agra	27°-18'	2°-9' E	Hyderabad Dn.	17°-20'	2-40 E
Ahmedabad	23-5	3-15 W	Hyderabad Sind.	25-30	7-30 W
Ajmer	26-32	1-13 W	Jaipur	26-58	0-0
Allahabad	25-30	6-5 E	Jodhpur	26-25	2-50 W
Amraoti	20-9	1-53 E	Jubbalpur	23-12	4-9 E
Amritsar	21-42	0-55 W	Karachi	24-55	8-50 W
Bangalore	12-57	1-40 E	Kolhapur	16-35	1-35 W
Baroda	22-17	2-40 W	Kumbhakonam.	10-57	3-35 E
Belgaum	15-50	1-18 W	Lahore	31-35	1-30 W
Benares	25-25	7-10 E	Lucknow	26-53	5-2 E
Bhopal	23-16	1-33 E	Madras	13-4	4-22 E
Bikaner	28-0	2-38 W	Madura	9-52	2-17 E
Bombay	18-57	2-55 W	Mysore	12-13	0-48 E
Calcutta	22-33	12-36 E	Nagpur	21-12	0-14 E
Cawnpore	26-32	4-31 E	Patna	25-38	9-22 E
Dacca	23-45	14-35 E	Poona	18-25	1-58 W
Delhi	28-35	1-20 E	Stara	17-33	1-48 W
Dhulia	21-0	1-4 W	Sholapur	17-37	0-0
Guntur	16-13	4-33 E	Shree Nagar	34-2	1-0 W
Gwalior	26-18	2-16 E	Travancore	9-0	1-10 E
Hubli	15-13	0-37 W	Wardha	20-48	2-45 E