



Month and day A. D.	Fraction of day.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A. D.	Vaisakha				Jyeshtha				Ashada				Sravana				Bhadrapada			
					Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
27M '6704	26-1031	18-494	1506	5	4	Ap	22	.77	6	My	22	.30	7	Je	20	.88	2	Jl	20	.36	3	Au	18	.90
27M '9291	15-2114	14-651	1507	6	2	Ap	12	.14	3	My	11	.67	5	Je	10	.20	6	Jl	9	.73	1	Au	8	.26
27M '1879	4-3197	10-809	1508	7	6	Mr	31	.51	1	Ap	30	.04	2	My	29	.57	5	Jl	27	.63	7	Au	26	.16
27M '4466	22-9586	8-942	1509	2	5	Ap	19	.40	6	My	18	.94	4	Je	28	.17	3	Jl	17	.00	4	Au	15	.53
27M '7054	12-0669	5-099	1510	3	2	Ap	8	.77	4	My	8	.30	5	Je	6	.83	7	Jl	6	.36	1	Au	4	.89
27M '9641	1-1732	1-256	1511	4	7	Mr	29	.14	3	My	27	.20	4	Je	25	.73	6	Jl	25	.26	7	Au	23	.79
27M '2329	19-8141	26-944	1512	5	6	Ap	16	.04	7	My	15	.57	2	Je	14	.10	3	Jl	13	.63	5	Au	12	.16
27M '4816	8-9224	28-101	1513	7	3	Ap	5	.40	4	My	4	.93	6	Je	3	.46	1	Jl	3	.00	2	Au	1	.53
27M '7404	27-5612	21-235	1514	1	2	Ap	24	.30	3	My	23	.83	5	Je	22	.36	6	Jl	21	.89	1	Au	20	.42
27M '9992	16-6695	17-392	1515	2	6	Ap	13	.67	1	My	13	.20	2	Je	11	.73	4	Jl	11	.26	5	Au	9	.79
27M '2579	5-7778	13-549	1516	3	4	Ap	2	.04	5	My	1	.57	7	My	31	.10	1	Je	29	.63	4	Au	27	.69
27M '5167	24-4167	11-682	1517	5	2	Ap	20	.93	4	My	20	.46	5	Je	18	.99	7	Jl	13	.52	2	Au	17	.06
27M '7754	13-5250	7-840	1518	6	7	Ap	10	.30	1	My	9	.82	3	Je	8	.36	4	Jl	7	.79	6	Au	6	.42
27M '0342	2-6333	8-997	1519	7	4	Mr	30	.67	6	Ap	29	.20	2	Je	27	.26	3	Jl	26	.79	5	Au	25	.39
27M '2329	21-2722	2-130	1520	1	3	Ap	17	.56	5	My	17	.10	6	Je	15	.63	1	Jl	15	.16	2	Au	13	.69
27M '5517	10-3805	25-842	1521	3	7	Ap	6	.93	2	My	6	.46	3	Je	4	.99	5	Jl	4	.52	7	Au	3	.05
27M '8105	29-0194	23-975	1522	4	5	Mr	27	.30	1	My	25	.36	2	Je	20	.89	4	Jl	23	.42	5	Au	21	.95
27M '0692	18-1277	20-133	1523	5	4	Ap	15	.20	5	My	14	.73	7	Je	13	.26	1	Jl	12	.79	3	Au	11	.

Surya Siddhanta.

+ 147-65293	+ 177-18353	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-30538	+ 324-83647		
+ 9-880	+ 11-856	+ 13-832	+ 15-808	+ 17-784	+ 19-760	+ 354-36705		
						+ 21-738		
						+ 23-712		
Asvina	Kartika	Margasira	Pausha	A.D.	Magha	A.D.	Phalguna	Chaitra
Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction
5 S 17 .43 6 O 16 .96 1 N 15 .49 3 D 15 .02 07 4 Jr 13 .55 6 F 12 .08 7 Mr 13 .61	2 S 6 .79 4 O 6 .82 5 N 4 .85 7 D 4 .38 08 1 Jr 2 .92 3 F 1 .45 4 Mr 1 .98	1 S 24 .69 3 O 24 .22 4 N 22 .75 6 D 22 .28 09 7 Jr 20 .81 2 F 19 .34 3 Mr 20 .87	6 S 14 .06 7 O 13 .59 2 N 12 .12 3 D 11 .65 10 5 Jr 10 .18 6 F 8 .71 1 Mr 10 .24	3 S 3 .42 4 O 2 .96 6 N 1 .49 1 D 1 .02 2 D 30 .55 11 4 Jr 29 .08 5 F 27 .61	2 S 22 .82 3 O 21 .85 5 N 20 .38 6 D 19 .91 12 1 Jr 18 .44 2 F 16 .98 4 Mr 17 .51	6 S 10 .69 1 O 10 .22 2 N 8 .75 4 D 8 .28 13 5 Jr 6 .81 7 F 5 .34 1 Mr 6 .87	5 S 29 .59 7 O 29 .12 1 N 27 .65 3 D 27 .18 14 4 Jr 25 .71 6 F 24 .24 7 Mr 25 .77	2 S 18 .95 4 O 18 .48 6 N 17 .02 7 D 16 .55 15 2 Jr 15 .08 3 F 13 .61 5 Mr 15 .14
7 S 8 .32 1 O 7 .85 3 N 6 .33 4 D 5 .91 16 6 Jr 4 .44 7 F 2 .97 2 Mr 3 .50	6 S 26 .22 7 O 25 .75 2 N 24 .28 3 D 23 .81 17 5 Jr 22 .34 6 F 20 .87 1 Mr 22 .40	3 S 15 .57 5 O 15 .12 6 N 13 .65 1 D 13 .18 18 2 Jr 11 .71 4 F 10 .24 5 Mr 11 .77	7 S 4 .95 2 O 4 .48 4 N 3 .01 5 D 2 .54 19 7 Jr 1 .08 1 Jr 30 .61 3 Mr 1 .14	6 S 23 .85 1 O 23 .38 2 N 21 .91 4 D 21 .44 20 5 Jr 19 .97 7 F 18 .50 2 Mr 19 .08	4 S 12 .22 5 O 11 .75 7 N 10 .28 1 D 9 .81 21 3 Jr 8 .34 4 F 6 .87 6 Mr 8 .40	1 S 1 .58 3 O 1 .12 6 N 29 .18 7 D 28 .71 22 2 Jr 27 .24 3 F 25 .77	7 S 20 .48 2 O 20 .01 3 N 18 .54 5 D 18 .07 23 6 Jr 16 .60 1 F 15 .14 2 Mr 16 .67	4 S 9 .85 6 O 9 .38 7 N 7 .91 2 D 7 .44 24 3 Jr 5 .97 5 F 4 .50 7 Mr 5 .03
3 S 27 .75 5 O 27 .28 6 N 25 .81 1 D 25 .34 25 2 Jr 23 .87 4 F 22 .40 5 Mr 23 .93	1 S 17 .11 2 O 16 .64 4 N 15 .18 5 D 14 .71 26 7 Jr 13 .24 1 F 11 .77 3 Mr 13 .30	5 S 6 .48 7 O 6 .01 1 N 4 .54 3 D 4 .07 27 4 Jr 2 .60 6 F 1 .13 7 Mr 2 .66	4 S 25 .38 5 O 24 .91 7 N 23 .44 1 D 22 .97 28 3 Jr 21 .50 5 F 20 .03 6 Mr 20 .56	1 S 13 .75 3 O 13 .28 4 N 11 .81 6 D 11 .34 29 7 Jr 9 .87 2 F 8 .40 3 Mr 9 .93	6 S 3 .11 7 O 3 .64 2 N 1 .17 3 N 30 .70 5 D 30 .24 30 5 D 30 .24 6 Jr 28 .77 1 F 27 .30	5 S 22 .01 6 O 21 .54 1 N 20 .07 2 D 19 .60 31 4 Jr 18 .13 5 F 16 .66 7 Mr 18 .19	2 S 11 .38 3 O 10 .91 5 N 9 .44 6 D 8 .97 32 1 Jr 7 .50 3 F 6 .08 4 Mr 6 .56	1 S 29 .28 2 O 28 .81 4 N 27 .34 5 D 26 .87 33 7 Jr 25 .40 1 F 23 .93 3 Mr 25 .46
5 S 18 .64 7 O 18 .17 1 N 16 .70 3 D 16 .23 34 4 Jr 14 .76 6 F 13 .30 7 Mr 14 .33	3 S 8 .01 4 O 7 .54 6 N 6 .07 7 D 5 .60 35 2 Jr 4 .13 3 F 2 .66 5 Mr 4 .19	1 S 26 .91 3 O 26 .44 4 N 24 .97 6 D 24 .50 36 1 Jr 23 .03 2 F 21 .56 4 Mr 22 .09	6 S 15 .27 7 O 14 .80 2 N 13 .34 3 D 12 .87 37 5 Jr 11 .40 6 F 9 .98 1 Mr 11 .46	3 S 4 .64 5 O 4 .17 6 N 2 .70 1 D 2 .23 2 D 31 .76 4 Jr 30 .29 5 F 28 .82	2 S 23 .54 4 O 23 .07 5 N 21 .60 7 D 21 .13 39 1 Jr 19 .66 3 F 18 .19 4 Mr 19 .72	6 S 12 .91 1 O 12 .44 2 N 10 .97 4 D 10 .50 40 6 Jr 9 .03 7 F 7 .56 2 Mr 8 .09	4 S 1 .27 7 O 30 .33 1 N 28 .86 5 D 28 .40 41 3 D 28 .40 4 Jr 26 .98 3 F 25 .46	5 S 30 .80 6 N 18 .23 7 D 17 .76 42 2 Jr 16 .29 7 Mr 26 .99
3 S 20 .17 4 O 19 .70 6 N 18 .23 7 D 17 .76 42 2 Jr 16 .29 3 F 14 .82 5 Mr 16 .35	7 S 9 .54 2 O 9 .07 3 N 7 .60 5 D 7 .13 43 6 Jr 5 .66 1 F 4 .19 2 Mr 5 .72	6 S 28 .44 7 O 27 .97 2 N 26 .50 4 D 26 .03 44 5 Jr 24 .56 7 F 23 .09 1 Mr 23 .62						



CSL

TABLE X—

			Com- mence- ment of Solar Year.		First New-Moon in Solar Year.		Anomaly of first New-Moon.		A.D.		Vaisakha		Jyeshtha		Ashada		Sravana		Bhadrapada		☉'s Anom col. 6		☉'s Anom col. 7		+ 29°53'059		+ 59°06'117		+ 88°59'176		+ 118°12'235																	
Kaliyuga.	Vikrama Era.	Saka Era.	Month and day A. D.	Fraction of day.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.	Week-day of 1st January.	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction																
4645 1601 1466 27M	5031	25-6467	10-352	1544	3	3 Ap 22	15	4 My 21	68	6 Je 20	21	7 Ji 19	74	2 Au 18	27	4646 1602 1467 27M	5031	14-7550	6-509	1545	5	7 Ap 11	52	2 My 11	05	3 Je 9	58	5 Ji 9	11	6 Au 7	64	4647 1603 1468 28M	5026	3-8633	2-667	1546	6	4 Mr 31	88	6 Ap 30	41	7 My 29	94	4 Ji 28	01	5 Au 26	54	
4648 1604 1469 28M	5031	22-5022	0-800	1547	7	3 Ap 19	78	5 My 19	31	6 Je 17	84	1 Ji 17	37	2 Au 15	90	4649 1605 1470 27M	5031	11-6106	24-512	1548	1	1 Ap 8	15	2 My 7	68	4 Je 6	21	5 Ji 5	74	7 Au 4	27	4650 1606 1471 27M	5031	0-7188	20-669	1549	3	5 Mr 23	52	1 My 26	58	3 Je 26	11	4 Ji 24	64	6 Au 23	17	
4651 1607 1472 28M	5056	19-3576	18-802	1550	4	4 Ap 16	41	5 My 15	94	7 Je 14	47	2 Ji 14	00	3 Au 12	54	4652 1608 1473 29M	5056	8-4659	14-959	1551	5	1 Ap 5	78	3 My 5	31	4 Je 3	84	6 Ji 3	37	7 Au 1	90	4653 1609 1474 27M	5032	27-1048	18-093	1552	6	7 Ap 23	68	2 My 23	21	3 Je 21	74	5 Ji 21	27	6 Au 19	80	
4654 1610 1475 27M	5032	16-2131	9-250	1553	1	5 Ap 13	04	6 My 12	58	1 Je 11	11	2 Ji 10	64	4 Au 9	17	4655 1611 1476 28M	5032	8-3214	5-407	1554	2	1 Ap 2	41	3 My 1	94	5 My 31	47	1 Ji 29	54	3 Au 28	07	4656 1612 1477 28M	5032	23-9603	3-540	1555	3	1 Ap 21	31	2 My 20	84	4 Je 19	37	5 Ji 18	90	7 Au 17	43	
4657 1613 1478 27M	5032	13-0686	27-253	1556	4	5 Ap 9	68	7 My 9	21	1 Je 7	74	3 Ji 7	27	4 Au 5	80	4658 1614 1479 27M	5032	2-1769	23-410	1557	6	3 Mr 30	04	4 Ap 28	57	7 Je 26	64	2 Ji 26	17	3 Au 23	70	4659 1615 1480 28M	5032	20-8158	21-543	1558	7	1 Ap 17	94	3 My 17	47	5 Je 16	09	6 Ji 15	53	1 Au 14	06	
4660 1616 1481 28M	5032	9-9241	17-700	1559	1	6 Ap 7	31	7 My 6	84	2 Je 5	37	3 Ji 4	90	5 Au 3	43	4661 1617 1482 27M	5032	28-5630	15-833	1560	2	5 Ap 25	21	6 My 24	74	1 Je 23	27	2 Ji 22	80	4 Au 21	93	4662 1618 1483 27M	5032	17-6713	11-991	1561	4	2 Ap 14	57	4 My 14	10	5 Je 12	63	7 Ji 12	16	1 Au 10	70	
4663 1619 1484 28M	5032	6-7796	8-148	1562	5	6 Ap 3	94	1 My 3	47	3 Je 2	00	4 Ji 1	53	7 Au 29	59	4664 1620 1485 28M	5032	25-4185	6-281	1563	6	5 Ap 22	84	7 My 22	37	1 Je 20	90	3 Ji 20	43	4 Au 18	96	4665 1621 1486 27M	5032	14-5268	2-438	1564	7	3 Ap 11	20	4 My 10	73	6 Je 9	27	7 Ji 8	80	2 Au 7	33	
4666 1622 1487 27M	5032	3-6351	26-150	1565	2	7 Mr 31	57	2 Ap 30	10	3 My 29	63	6 Ji 27	69	1 Au 26	22	4667 1623 1488 28M	5032	19-57	22-2740	24-288	1566	3	6 Ap 19	47	1 My 19	00	2 Je 17	53	4 Ji 17	06	5 Au 15	59	4668 1624 1489 28M	5032	11-3822	20-440	1567	4	3 Ap 8	84	5 My 8	37	6 Je 6	90	1 Ji 6	43	2 Au 4	96
4669 1625 1490 27M	5032	0-4905	16-598	1568	5	1 Mr 28	20	4 My 26	26	5 Je 24	79	7 Ji 24	33	1 Au 22	86	4670 1626 1491 27M	5032	19-1294	14-731	1569	7	7 Ap 16	10	1 My 15	63	3 Je 14	16	4 Ji 13	69	6 Au 12	22	4671 1627 1492 28M	5032	8-2377	10-888	1570	1	4 Ap 5	47	6 My 5	00	7 Je 3	53	2 Ji 3	06	3 Au 1	59	
4672 1628 1493 28M	5032	26-8766	9-022	1571	2	3 Ap 24	37	4 My 23	90	6 Je 22	43	7 Ji 21	96	2 Au 20	49	4673 1629 1494 27M	5032	7-483	15-9849	6-179	1572	3	7 Ap 12	73	2 My 12	26	3 Je 10	79	5 Ji 10	32	6 Au 8	83	4674 1630 1495 28M	5032	0-0970	5-0932	1336	5	5 Ap 2	10	6 My 1	63	1 My 31	16	4 Ji 29	22	5 Au 27	75
4675 1631 1496 28M	5032	28-7321	27-024	1574	6	4 Ap 21	00	5 My 20	53	7 Je 19	06	1 Ji 18	59	3 Au 17	12	4676 1632 1497 28M	5032	12-8404	23-181	1575	7	1 Ap 10	36	2 My 9	89	4 Je 8	42	5 Ji 7	95	7 Au 6	48	4677 1633 1498 27M	5032	7-833	1-9487	19-339	1576	1	5 Mr 29	73	7 Ap 28	26	3 Je 26	32	4 Ji 25	85	6 Au 24	38
4678 1634 1499 28M	5032	20-5876	17-472	1577	3	4 Ap 17	63	6 My 17	16	7 Je 15	69	2 Ji 15	22	3 Au 13	75	4679 1635 1500 28M	5032	9-6959	13-629	1578	4	2 Ap 7	00	3 My 6	53	5 Je 5	06	6 Ji 4	59	1 Au 3	12	4680 1636 1501 28M	5032	28-3348	11-762	1579	5	7 Ap 25	89	2 My 25	42	3 Je 23	95	5 Ji 23	49	7 Au 22	02	
4681 1637 1502 27M	5032	8-183	7-919	1580	6	5 Ap 14	26	6 My 13	79	1 Je 12	32	2 Ji 11	85	4 Au 10	38	4682 1638 1503 28M	5032	0-771	6-5514	4-077	1581	1	2 Ap 3	63	4 My 3	16	5 Je 1	69	7 Ji 1	22	3 Au 29	28	4683 1639 1504 28M	5032	25-1903	2-210	1582	2	1 Ap 22	53	3 My 22	06	4 Je 20	59	6 Ji 20	12	7 Au 18	65



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+ 147-65293	+ 177-18353	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-30588	+ 324-83647		
+ 9-880	+ 11-856	+ 13-882	+ 15-808	+ 17-784	+ 19-760	+ 354-36705		
						+ 21-736		
						+ 23-712		
Asvina	Kartika	Margasira	Pausha	A.D.	Magha	A.D.	Phalguna	Chaitra
Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction
3 S 16 '80	5 O 16 '33	6 N 14 '86	1 D 14 '89	45	2 Jr 12 '92		4 F 11 '45	5 Mr 12 '98
1 S 6 '17	2 O 5 '70	4 N 4 '23	5 D 3 '76	46	7 Jr 2 '29		1 Jr 31 '82	3 Mr 2 '35
7 S 25 '07	1 O 24 '60	3 N 23 '13	4 D 22 '66	47	6 Jr 21 '19		7 F 19 '72	2 Mr 21 '25
4 S 14 '43	5 O 13 '96	7 N 12 '49	2 D 12 '02	48	3 Jr 10 '55		5 F 9 '08	6 Mr 9 '62
1 S 2 '80	3 O 2 '33	4 O 31 '86	6 N 30 '89		7 D 29 '92	49	2 Jr 28 '45	3 F 26 '98
7 S 21 '70	2 O 31 '23	3 N 19 '76	5 D 19 '29	50	6 Jr 17 '82		1 F 16 '35	2 Mr 17 '88
5 S 11 '07	6 O 10 '60	1 N 9 '13	2 D 8 '66	51	4 Jr 7 '19		5 F 5 '72	7 Mr 7 '25
3 S 29 '96	5 O 29 '49	7 N 28 '02	1 D 27 '55	52	3 Jr 26 '08		4 F 24 '61	6 Mr 25 '14
1 S 18 '33	2 O 17 '86	4 N 16 '39	5 D 15 '92	53	7 Jr 14 '45		1 F 12 '98	3 Mr 14 '51
5 S 7 '70	7 O 7 '23	1 N 5 '76	3 D 5 '29	54	4 Jr 3 '82		6 F 2 '35	7 Mr 3 '88
4 S 26 '60	6 O 26 '13	7 N 24 '66	2 D 24 '19	55	3 Jr 22 '72		5 F 21 '25	6 Mr 22 '78
1 S 15 '96	3 O 15 '49	5 N 14 '02	6 D 13 '55	56	1 Jr 12 '08		2 F 10 '61	4 Mr 11 '14
6 S 4 '33	7 O 3 '86	2 N 2 '39	3 D 1 '92		5 D 31 '45	57	6 Jr 29 '98	1 F 28 '51
5 S 23 '22	6 O 22 '76	1 N 21 '29	2 D 20 '82	58	4 Jr 19 '35		5 F 17 '88	7 Mr 19 '41
2 S 12 '59	4 O 12 '12	5 N 10 '65	7 D 10 '18	59	1 Jr 8 '71		3 F 7 '24	4 Mr 8 '77
6 S 1 '96	3 O 31 '02	4 N 29 '55	6 D 29 '08	60	7 Jr 27 '61		2 F 26 '14	3 Mr 26 '67
1 O 1 '49								
5 S 19 '86	7 O 19 '39	1 N 17 '92	3 D 17 '45	61	4 Jr 15 '98		6 F 14 '51	1 Mr 16 '04
3 S 9 '22	4 O 8 '75	6 N 7 '28	7 D 6 '81	62	2 Jr 5 '34		3 F 3 '87	5 Mr 5 '40
2 S 28 '12	3 O 27 '65	5 N 26 '18	6 D 25 '71	63	1 Jr 24 '24		2 F 22 '77	4 Mr 24 '30
6 S 17 '49	1 O 17 '02	2 N 15 '55	4 D 15 '08	64	5 Jr 13 '61		7 F 12 '14	1 Mr 12 '67
3 S 5 '86	5 O 5 '39	6 N 3 '92	1 D 3 '45	65	2 Jr 1 '98		4 Jr 31 '51	6 Mr 2 '04
2 S 24 '75	4 O 24 '28	5 N 22 '81	7 D 22 '34	66	1 Jr 20 '87		3 F 19 '40	4 Mr 20 '93
7 S 14 '12	1 O 13 '65	3 N 12 '18	4 D 11 '71	67	6 Jr 10 '24		7 F 8 '77	2 Mr 10 '30
4 S 3 '49	6 O 3 '02	7 N 1 '55	2 D 1 '08		3 D 30 '61	68	5 Jr 29 '14	6 F 27 '67
3 S 21 '88	4 O 20 '91	6 N 19 '44	7 D 18 '97	69	2 Jr 17 '50		4 F 16 '03	5 Mr 17 '56
7 S 10 '75	2 O 10 '28	3 N 8 '81	5 D 8 '34	70	6 Jr 6 '87		1 F 5 '40	2 Mr 6 '93
6 S 29 '65	1 O 29 '18	2 N 27 '71	4 D 27 '24	71	5 Jr 25 '77		7 F 24 '30	1 Mr 25 '83
4 S 19 '02	5 O 18 '55	7 N 17 '08	1 D 16 '61	72	3 Jr 15 '14		4 F 13 '67	6 Mr 14 '20
1 S 7 '38	2 O 6 '91	4 N 5 '44	5 D 4 '97	73	7 Jr 3 '50		2 F 2 '03	3 Mr 3 '56
7 S 26 '28	1 O 25 '81	3 N 24 '34	4 D 23 '87	74	6 Jr 22 '40		7 F 20 '93	2 Mr 22 '46
4 S 15 '65	6 O 15 '18	7 N 13 '71	2 D 13 '24	75	3 Jr 11 '77		5 F 10 '60	6 Mr 11 '83
2 S 5 '01	3 O 4 '54	5 N 3 '07	6 D 2 '60	76	1 Jr 1 '13		2 Jr 30 '66	4 F 29 '19
7 S 22 '91	2 O 22 '44	3 N 20 '97	5 D 20 '50	77	7 Jr 19 '03		1 F 17 '56	3 Mr 19 '09
5 S 12 '28	6 O 11 '81	1 N 10 '34	2 D 9 '87	78	4 Jr 8 '40		5 F 5 '93	7 Mr 8 '46
2 S 1 '65	5 O 30 '71	7 N 29 '24	1 D 28 '77	79	3 Jr 27 '30		4 F 25 '83	6 Mr 27 '36
4 O 1 '18								
1 S 20 '54	3 O 20 '07	4 N 18 '61	6 D 18 '13	80	7 Jr 16 '66		2 F 15 '19	3 Mr 15 '72
5 S 8 '91	7 O 8 '44	1 N 6 '97	3 D 6 '50	81	5 Jr 5 '03		6 F 3 '56	1 Mr 5 '09
4 S 27 '81	6 O 27 '34	7 N 25 '87	2 D 25 '40	82	3 Jr 23 '93		5 F 22 '46	6 Mr 23 '99
2 S 17 '18	3 O 16 '71	5 N 15 '24	6 D 14 '77	83	1 Jr 13 '30		2 F 11 '83	4 Mr 13 '36

[illegible]



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+ 147-65298	+ 177-18353	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-30588	+ 324-83647																																	
+ 9-880	+ 11-866	+ 13-832	+ 15-803	+ 17-784	+ 19-760	+ 354-86705																																	
						+ 21-736																																	
						+ 23-712																																	
Asvina	Kartika	Margasira	Pausha	A.D.	Magha	A.D.	Phalguna	Chaitra																															
Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction																															
6 S 6 '55 1 O 6 '03 2 N 4 '61 4 D 4 '14 84 5 Jr 2 '67 7 F 1 '20 1 Mr 1 '73	5 S 24 '44 6 O 23 '97 1 N 22 '50 3 D 22 '03 85 4 Jr 20 '57 6 F 19 '10 7 Mr 20 '63	2 S 13 '81 4 O 13 '34 5 N 11 '87 7 D 11 '40 86 1 Jr 9 '93 3 F 8 '46 4 Mr 9 '99	7 S 3 '18 1 O 2 '71 3 N 1 '24 4 N 30 '77 87 6 D 30 '30 7 Jr 28 '83 2 F 27 '86	6 S 22 '07 7 O 21 '61 2 N 20 '14 3 D 19 '67 88 5 Jr 18 '20 6 F 16 '73 1 Mr 17 '26	3 S 10 '44 4 O 9 '97 6 N 8 '50 1 D 8 '03 89 2 Jr 6 '56 4 F 5 '09 5 Mr 6 '63	2 S 29 '34 3 O 28 '87 5 N 27 '40 6 D 26 '93 90 1 Jr 25 '46 2 F 23 '99 4 Mr 25 '52	6 S 18 '71 1 O 18 '24 2 N 16 '77 4 D 16 '30 91 5 Jr 14 '83 7 F 13 '36 1 Mr 14 '89	4 S 8 '07 5 O 7 '60 7 N 6 '13 1 D 5 '67 92 3 Jr 4 '20 4 F 2 '73 6 Mr 3 '26	2 S 25 '97 4 O 25 '50 6 N 24 '03 7 D 23 '56 93 2 Jr 28 '09 3 F 20 '62 5 Mr 22 '15	7 S 15 '34 1 O 14 '87 3 N 13 '40 4 D 12 '93 94 6 Jr 11 '46 7 F 9 '99 2 Mr 11 '52	4 S 4 '71 6 O 4 '24 7 N 2 '77 2 D 2 '30 95 3 D 31 '83 5 Jr 30 '36 6 F 28 '89	3 S 23 '60 5 O 23 '13 6 N 21 '66 1 D 21 '19 96 2 Jr 19 '73 4 F 18 '26 5 Mr 18 '79	7 S 11 '97 2 O 11 '50 4 N 10 '03 5 D 9 '56 97 7 Jr 3 '09 1 F 6 '62 3 Mr 3 '15	5 S 1 '34 1 O 30 '40 2 N 28 '93 4 D 28 '46 98 5 Jr 26 '99 7 F 25 '52 2 Mr 27 '05	6 S 30 '87 5 O 19 '77 7 N 18 '30 1 D 17 '83 99 3 Jr 16 '36 4 F 14 '89 6 Mr 16 '42	4 S 20 '23 3 O 9 '13 4 N 7 '66 6 D 7 '19 16 7 Jr 5 '72 2 F 4 '25 3 Mr 4 '79	1 S 9 '60 2 O 27 '03 3 N 25 '56 5 D 25 '09 01 6 Jr 23 '62 1 F 22 '15 2 Mr 23 '68	7 S 27 '50 3 O 27 '03 3 N 25 '56 5 D 25 '09 01 6 Jr 23 '62 1 F 22 '15 2 Mr 23 '68	4 S 16 '87 6 O 16 '40 7 N 14 '93 2 D 14 '46 02 3 Jr 13 '99 5 F 11 '52 7 Mr 13 '05	2 S 6 '23 3 O 5 '76 5 N 4 '29 6 D 3 '83 03 1 Jr 2 '36 2 Jr 31 '89 4 Mr 2 '42	1 S 25 '13 2 O 24 '66 4 N 23 '19 5 D 22 '72 04 7 Jr 21 '25 1 F 19 '78 3 Mr 20 '31	5 S 13 '50 7 O 13 '03 1 N 11 '56 3 D 11 '09 05 4 Jr 9 '62 6 F 8 '15 7 Mr 9 '68	2 S 2 '87 4 O 2 '40 5 O 31 '93 7 N 30 '46 06 1 D 29 '99 3 Jr 28 '52 5 F 27 '05	1 S 21 '76 3 O 21 '29 4 N 19 '82 6 D 19 '35 07 7 Jr 17 '89 2 F 16 '42 6 Mr 28 '58	6 S 11 '13 7 O 10 '86 2 N 9 '19 3 D 8 '72 08 5 Jr 7 '25 3 Mr 17 '95	5 S 29 '03 6 O 23 '56 1 N 27 '09 2 D 26 '62 09 4 Jr 24 '15 6 F 5 '78 1 Mr 6 '31	2 S 18 '39 3 O 17 '93 5 N 16 '46 6 D 15 '99 10 1 Jr 14 '52 5 F 23 '69 7 Mr 25 '21	6 S 7 '76 1 O 7 '29 2 N 5 '82 4 D 5 '35 11 5 Jr 3 '88 3 F 13 '05 4 Mr 14 '58	5 S 26 '66 7 O 26 '19 1 N 24 '72 3 D 24 '25 12 4 Jr 22 '73 7 F 2 '41 1 Mr 4 '95	3 S 15 '03 4 O 14 '56 6 N 13 '09 7 D 12 '62 13 2 Jr 11 '15 6 F 21 '31 7 Mr 21 '84	7 S 4 '39 1 O 3 '92 3 N 2 '45 4 D 1 '99 14 6 D 31 '52 3 F 9 '68 5 Mr 11 '21	6 S 23 '29 7 O 22 '82 2 N 21 '35 3 D 23 '88 15 5 Jr 19 '41 1 Jr 30 '05 2 F 28 '53	3 S 12 '66 5 O 12 '19 6 N 10 '72 1 D 10 '25 16 2 Jr 8 '78 4 F 7 '31 5 Mr 7 '84	1 S 1 '03 4 O 30 '09 5 N 28 '62 7 D 28 '15 17 1 Jr 26 '68 3 F 25 '21 4 Mr 26 '74	2 S 30 '56 1 O 19 '45 2 N 17 '98 4 D 17 '51 18 6 Jr 16 '05 7 F 14 '58 2 Mr 14 '11	4 S 9 '29 5 O 8 '82 7 N 7 '35 1 D 6 '88 19 3 Jr 5 '41 4 F 3 '94 6 Mr 5 '47	3 S 23 '19 4 O 27 '72 6 N 26 '25 7 D 25 '78 20 2 Jr 24 '31 3 F 22 '84 5 Mr 23 '37	7 S 16 '55 2 O 16 '09 3 N 14 '62 5 D 14 '15 21 6 Jr 12 '68 1 F 11 '21 2 Mr 12 '74	4 S 5 '92 6 O 5 '45 7 N 3 '93 2 D 3 '51 22 4 Jr 2 '04 5 Jr 31 '57 7 Mr 2 '11

TABLE X—

Kaliyuga.	Vikrama Era.	Saka Era.	Month and day A.D.	Fraction of day.	Commencement of Solar Year.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.	Week-day of 1st January.	Vaisakha.	Jyeshtha.	Ashada.	Sravana.	Bhadrapada.	Fraction													
									☉'s Anom col. 6	+ 29-58059	+ 59-06117	+ 88-59176	+ 118-12285															
									☾'s Anom col. 7	+ 1-976	+ 9-952	+ 5-928	+ 7-904															
4723	1679	1544	28M	6861	2-9504	14-059	1622	3	1	Mr	31	64	3	Ap	30	17	4	My	29	70	7	Jl	27	76	2	Au	26	29
4724	1680	1545	28M	9449	21-5893	12-192	1623	4	7	Ap	19	53	2	My	19	06	3	Je	17	59	5	Jl	17	13	6	Au	15	66
4725	1681	1546	28M	2036	10-6976	8-350	1624	5	4	Ap	7	90	6	My	7	43	7	Je	5	96	2	Jl	5	49	4	Au	4	02
4726	1682	1547	28M	4624	29-8365	6-483	1625	7	3	Ap	26	80	5	My	26	33	6	Je	24	86	1	Jl	24	39	2	Au	22	92
4727	1683	1548	28M	7211	18-4448	2-640	1626	1	1	Ap	16	17	2	My	16	70	4	Je	14	23	5	Jl	13	76	7	Au	12	29
4728	1684	1549	28M	9799	7-5531	26-352	1627	2	5	Ap	5	53	7	My	5	06	1	Je	3	59	3	Jl	30	12	6	Au	31	19
4729	1685	1550	28M	2386	26-1920	24-485	1628	3	4	Ap	23	43	5	My	22	96	7	Je	21	49	2	Jl	21	02	3	Au	19	55
4730	1686	1551	28M	4974	15-3003	20-648	1629	5	1	Ap	12	80	3	My	12	33	4	Je	10	86	6	Jl	10	39	7	Au	8	92
4731	1687	1552	28M	7562	4-4086	16-800	1630	6	6	Ap	2	16	7	My	10	69	2	My	31	23	5	Jl	29	29	6	Au	27	82
4732	1688	1553	29M	0149	23-0475	14-933	1631	7	5	Ap	21	06	6	My	20	59	1	Je	19	12	2	Jl	18	65	4	Au	17	18
4733	1689	1554	29M	2737	12-1558	11-090	1632	1	2	Ap	9	43	3	My	8	96	5	Je	7	49	7	Jl	7	02	1	Au	5	55
4734	1690	1555	28M	5324	1-2641	7-248	1633	3	6	Mr	29	80	4	My	27	86	4	Je	26	39	5	Jl	25	92	7	Au	24	45
4735	1691	1556	28M	7912	19-9030	5-381	1634	4	5	Ap	17	69	7	My	17	22	1	Je	15	75	3	Jl	15	29	4	Au	13	82
4736	1692	1557	29M	0499	9-0113	1-538	1635	5	3	Ap	7	06	4	My	6	59	6	Je	5	12	7	Jl	4	65	2	Au	30	18
4737	1693	1558	28M	3087	27-6502	27-226	1636	6	1	Ap	24	96	3	My	24	49	5	Je	23	02	6	Jl	22	55	1	Au	21	08
4738	1694	1559	29M	5675	16-7585	23-388	1637	1	6	Ap	14	33	7	My	13	86	2	Je	12	39	3	Jl	11	92	5	Au	10	45
4739	1695	1560	28M	8262	5-8668	19-540	1638	2	3	Ap	3	69	5	My	3	22	6	Je	10	75	1	Jl	1	28	4	Au	29	85
4740	1696	1561	29M	0850	24-5056	17-674	1639	3	2	Ap	22	59	4	My	22	12	5	Je	20	65	7	Jl	20	18	1	Au	18	71
4741	1697	1562	28M	3437	13-6139	13-831	1640	4	6	Ap	10	96	1	My	10	49	3	Je	9	02	4	Jl	8	55	6	Au	7	08
4742	1698	1563	28M	6025	2-7222	9-988	1641	6	4	Mr	31	32	5	Ap	29	85	1	Je	27	92	3	Jl	27	45	4	Au	25	98
4743	1699	1564	28M	8612	21-3611	8-121	1642	7	3	Ap	19	22	4	My	18	75	6	Je	17	23	7	Jl	16	81	2	Au	15	84
4744	1700	1565	29M	1200	10-4694	4-279	1643	1	7	Ap	8	59	2	My	8	12	3	Je	6	65	5	Jl	6	18	6	Au	4	71
4745	1701	1566	28M	3787	29-1088	2-412	1644	2	6	Ap	26	49	1	My	26	02	2	Je	24	55	4	Jl	24	08	5	Au	22	61
4746	1702	1567	28M	6375	18-2163	26-124	1645	4	3	Ap	15	85	5	My	15	38	6	Je	13	91	1	Jl	13	45	2	Au	11	98
4747	1703	1568	28M	8963	7-3249	22-281	1646	5	1	Ap	5	22	2	My	4	75	4	Je	3	28	5	Jl	20	81	1	Au	30	87
4748	1704	1569	29M	1550	25-9638	20-414	1647	6	7	Ap	24	12	1	My	23	65	3	Je	22	18	4	Jl	21	71	6	Au	20	24
4749	1705	1570	28M	4138	15-0721	16-571	1648	7	4	Ap	12	49	6	My	12	02	7	Je	10	55	2	Jl	10	08	3	Au	8	61
4750	1706	1571	28M	6725	4-1804	12-729	1649	2	1	Ap	1	85	3	My	10	38	4	My	30	91	7	Jl	28	97	2	Au	30	51
4751	1707	1572	28M	9313	22-8193	10-862	1650	3	7	Ap	20	75	2	My	20	23	3	Je	18	81	5	Jl	18	34	6	Au	16	87
4752	1708	1573	29M	1900	11-9276	7-019	1651	4	5	Ap	10	12	6	My	9	65	1	Je	8	18	2	Jl	7	71	4	Au	6	24
4753	1709	1574	28M	4488	1-0859	3-176	1652	5	2	Mr	29	48	5	My	27	55	7	Je	26	08	1	Jl	25	61	3	Au	24	14
4754	1710	1575	28M	7076	19-6748	1-310	1653	7	1	Ap	17	38	2	My	16	91	4	Je	15	44	5	Jl	14	97	7	Au	13	50
4755	1711	1576	28M	9663	8-7831	25-022	1654	1	5	Ap	6	75	7	My	6	28	1	Je	4	81	3	Jl	4	34	4	Au	20	87
4756	1712	1577	29M	2251	27-4220	28-155	1655	2	4	Ap	25	65	6	My	25	18	7	Je	23	71	2	Jl	23	24	3	Au	21	77
4757	1713	1578	28M	4838	16-5303	19-312	1656	3	2	Ap	14	01	3	My	13	54	5	Je	12	07	6	Jl	11	61	1	Au	10	14
4758	1714	1579	28M	7426	5-6386	15-469	1657	5	6	Ap	3	38	7	My	2	91	2	Je	10	44	3	Jl	1	97	7	Au	27	08
4759	1715	1580	29M	0013	24-2774	13-603	1658	6	5	Ap	22	28	6	My	21	31	1	Je	20	34	2	Jl	19	87	4	Au	18	40
4760	1716	1581	29M	2601	13-3857	9-760	1659	7	2	Ap	11	65	4	My	11	18	5	Je	9	71	7	Jl	9	24	1	Au	7	77
4761	1717	1582	28M	5189	2-4940	5-917	1660	1	7	Mr	31	01	1	Ap	29	54	4	Je	27	60	6	Jl	27	13	7	Au	25	67



Surya Siddhanta.

+ 147-65293	+ 177-18353	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-30588	+ 324-83617
+ 9-880	+ 11-856	+ 13-892	+ 15-808	+ 17-784	+ 19-760	+ 354-36705
						+ 21-736
						+ 23-712

Asvina				Kartika				Margasira				Pausha				A.D.	Magha				A.D.	Phalguna				Chaitra			
Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction		Week-day	Month	Day	Fraction		Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
3 S	24	82	5 O	24	35	6 N	22	88	1 D	22	41	23	2 Jr	20	94							4 F	19	47	6 Mr	21 O	00		
1 S	14 O	19	2 O	13	72	4 N	12	25	5 D	11	78	24	7 Jr	10	31						25	1 F	8	84	3 Mr	9 O	37		
5 S	20	55	7 O	2	08	1 O	31	61	3 N	30	15		4 D	29	68							6 Jr	28	21	7 F	26 O	74		
4 S	21	45	5 O	21	98	7 N	19	51	2 D	19	04	26	3 Jr	17	57							5 F	16	10	2 Mr	28	27		
1 S	10	82	3 O	10	35	4 N	8	88	6 D	8	41	27	7 Jr	6 O	94							2 F	5	47	4 Mr	7	00		
7 S	29	72	2 O	29	25	3 N	27	78	5 D	27 O	31	28	6 Jr	25	84							1 F	24	37	2 Mr	24	90		
5 S	18	08	6 O	17	61	1 N	16	14	2 D	15 O	67	29	4 Jr	14	21							5 F	12	74	7 Mr	14	27		
2 S	7	45	3 O	6	98	5 N	5	51	7 D	5	04	30	1 Jr	3	57							3 F	2	10	4 Mr	3	63		
1 S	26	35	2 O	25 O	88	4 N	24	41	5 D	23	94	31	7 Jr	22	47							2 F	21	00	3 Mr	22	53		
5 S	15	71	7 O	15 O	25	1 N	13	78	3 D	13	31	32	4 Jr	11	84						33	6 F	10	37	7 Mr	10	90		
3 S	4	08	4 O	3 O	61	6 N	2	14	7 D	1	67		2 D	31	20							3 Jr	29	72	5 F	28	27		
1 S	22	98	3 O	22	51	5 N	21	04	6 D	20	57	34	1 Jr	19	10							2 F	17 O	63	4 Mr	19	16		
6 S	12	35	7 O	11	88	2 N	10	41	3 D	9	94	35	5 Jr	8	47							7 F	7 O	00	1 Mr	8	53		
5 O	1	24	6 O	30	77	1 N	29	31	2 D	28	84	36	4 Jr	27 O	37							5 F	25	90	7 Mr	26	43		
2 S	19	61	4 O	19	14	5 N	17	67	7 D	17	20	37	1 Jr	15	78							3 F	14	26	4 Mr	15	79		
6 S	8	98	1 O	8	51	3 N	7	04	4 D	6 O	57	38	6 Jr	5	10							7 F	3	63	2 Mr	5	16		
5 S	27	88	7 O	27	41	1 N	25 O	94	3 D	25	47	39	5 Jr	24	00							6 F	22	53	1 Mr	24	06		
3 S	17	24	4 O	16	77	6 N	15 O	30	7 D	14	83	40	2 Jr	13	37							3 F	11	90	5 Mr	12	43		
7 S	5	61	2 O	5	14	3 N	3	67	5 D	3	20	41	6 Jr	1	73							1 Jr	30	26	2 Mr	1	79		
6 S	24 O	51	1 O	24	04	2 N	22	57	4 D	22	10	42	5 Jr	20	63							7 F	19	16	1 Mr	20 O	69		
3 S	13 O	87	5 O	3	41	6 N	11	94	1 D	11	47	43	3 Jr	9	00							4 F	8	53	6 Mr	10 O	06		
1 S	3 O	24	2 O	2	77	4 N	1	30	5 N	30	83		7 D	30	36	44						1 Jr	28	89	3 F	27	43		
7 S	21	14	1 O	20	67	3 N	19	20	4 D	18	73	45	6 Jr	17 O	26							7 F	15	79	2 Mr	17	32		
4 S	10	51	6 O	10	04	7 N	8	57	2 D	8	10	46	3 Jr	6 O	63							5 F	5	16	6 Mr	6	69		
3 S	29	40	4 O	28	93	6 N	27	47	1 D	27 O	00	47	2 Jr	25	53							4 F	24	06	5 Mr	25	59		
7 S	18	77	2 O	18	30	3 N	16	83	5 D	16	36	48	6 Jr	14	89							1 F	13	42	2 Mr	13	95		
5 S	7	14	6 O	6	67	1 N	5 O	20	2 D	4	73	49	4 Jr	3	26							5 F	1	79	7 Mr	3	32		
4 S	26	04	5 O	25 O	57	7 N	24	10	1 D	23	63	50	3 Jr	22	16							4 F	20	69	6 Mr	22	22		
1 S	15	40	2 O	14 O	93	4 N	13	46	5 D	12	99	51	7 Jr	11	58							2 F	10	06	3 Mr	11	59		
5 S	4	77	7 O	4	30	1 N	2	83	3 D	2	36		4 D	31	89						52	6 Jr	30	42	7 F	28 O	95		
4 S	22	67	6 O	22	20	7 N	20	73	2 D	20	26	53	3 Jr	18	79							5 F	17 O	32	6 Mr	18	85		
2 S	12	03	3 O	11	57	5 N	10	10	6 D	9	63	54	1 Jr	8	16							2 F	6 O	69	4 Mr	8	22		
7 S	30	93	2 O	30	46	3 N	28	99	5 D	28	52	55	7 Jr	27	05							1 F	25	59	3 Mr	27	12		
5 S	20	30	6 O	19	83	1 N	18	36	2 D	17 O	89	56	4 Jr	16	42							5 F	14	95	7 Mr	15	48		
2 S	8	67	4 O	8	20	5 N	6	73	7 D	6 O	26	57	1 Jr	4	79							3 F	3	32	4 Mr	4	85		
1 S	27	56	3 O	27	09	4 N	25 O	63	6 D	25	16	58	7 Jr	23	69							2 F	22	22	3 Mr	23	75		
5 S	16	93	7 O	16	46	1 N	14	99	3 D	14	52	59	5 Jr	13	05							6 F	11	58	1 Mr	13	11		
3 S	6	30	4 O	5 O	83	6 N	4	36	7 D	3	89	60	2 Jr	2	42							3 Jr	31	95	5 Mr	1	48		
2 S	24 O	20	3 O	23	73	5 N	22	26	6 D	21	79	61	1 Jr	20	32							2 F	18	85	4 Mr	20 O	38		



CSL

TABLE X—

Kaliyuga.	Vikrama Era.	Saka Era.	Com- mence- ment of Solar Year.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.	Week-day of 1st January.	☉'s Anom col. 6	+ 29-53059	+ 59-06117	+ 88-59176	+ 118-12235		
								☾'s Anom col. 7	+ 1-976	+ 3-952	+ 5-928	+ 7-904		
								Vaisakha	Jyeshtha	Ashada	Shravana	Bhadrapada		
Month and day A.D.	Fraction of day.	Month and day A.D.	Fraction of day.	Month and day A.D.	Fraction of day.	Month and day A.D.	Fraction of day.	Month and day A.D.	Fraction of day.	Month and day A.D.	Fraction of day.	Month and day A.D.	Fraction of day.	
4762 1718 1588 28M	7776	21-1829	4-050	1661 3	5 Ap 18	91	7 My 18	44	1 Je 16	97	3 JI 16	50	5 Au 15	03
4763 1719 1589 29M	0364	10-2412	0-208	1662 4	3 Ap 8	28	4 My 7	81	6 Je 6	34	7 JI 5	87	2 Au 4	40
4764 1720 1588 29M	2951	28-8801	25-895	1663 5	2 Ap 27	17	3 My 26	71	5 Je 25	24	6 JI 24	77	1 Au 23	30
4765 1721 1588 28M	5539	17-9884	22-053	1664 6	6 Ap 15	54	1 My 15	07	2 Je 13	60	4 JI 13	13	5 Au 11	66
4766 1722 1587 28M	8126	7-0967	18-210	1665 1	3 Ap 4	91	5 My 4	44	6 Je 2	97	1 JI 2	50	4 Au 30	56
4767 1723 1588 29M	0714	25-7856	16-343	1666 2	2 Ap 23	81	4 My 23	34	5 Je 21	87	7 JI 21	40	1 Au 19	93
4768 1724 1589 29M	3301	14-8439	12-500	1667 3	7 Ap 13	17	1 My 13	70	3 Je 11	23	4 JI 10	77	6 Au 9	30
4769 1725 1590 28M	5889	8-9522	8-658	1668 4	4 Ap 1	54	6 My 1	07	7 My 30	60	3 JI 28	66	5 Au 27	19
4770 1726 1591 28M	8477	22-5911	6-791	1669 6	3 Ap 20	44	4 My 19	97	6 Je 18	50	1 JI 18	03	2 Au 16	56
4771 1727 1592 29M	1064	11-6994	2-948	1670 7	7 Ap 9	81	2 My 9	34	3 Je 7	87	5 JI 7	40	6 Au 5	93
4772 1728 1593 29M	3652	0-8077	26-660	1671 1	5 Mr 30	17	1 My 28	23	2 Je 26	76	4 JI 26	29	5 Au 24	83
4773 1729 1594 28M	6239	19-4466	24-793	1672 2	6 Ap 28	70	2 My 28	76	4 Je 24	92	6 JI 24	45	3 Au 22	99
4774 1730 1595 28M	8827	8-5549	20-951	1673 4	4 Ap 17	07	5 My 16	60	7 Je 15	13	1 JI 14	66	3 Au 13	19
4775 1731 1596 29M	1414	27-1937	19-084	1674 5	1 Ap 6	44	2 My 5	97	4 Je 4	50	6 JI 4	03	7 Au 2	56
4776 1732 1597 29M	4002	16-8020	15-241	1675 6	7 Ap 25	33	1 My 24	87	3 Je 23	40	4 JI 22	93	6 Au 21	46
4777 1733 1598 28M	6590	5-4103	11-398	1676 7	4 Ap 14	70	6 My 14	23	7 Je 12	76	2 JI 12	29	3 Au 10	82
4778 1734 1599 28M	9177	24-0492	9-531	1677 2	2 Ap 3	07	3 My 2	60	5 Je 1	13	6 JI 30	66	2 Au 28	72
4779 1735 1600 29M	1765	13-1575	5-639	1678 3	7 Ap 21	97	2 My 21	50	4 Je 20	03	5 JI 19	56	7 Au 18	09
4780 1736 1601 29M	4352	2-2658	1-846	1679 4	5 Ap 11	33	6 My 10	86	1 Je 9	39	2 JI 8	93	4 Au 7	46
4781 1737 1602 28M	6940	20-9047	27-534	1680 5	2 Mr 31	70	4 Ap 30	23	7 Je 28	29	1 JI 27	82	3 Au 26	35
4782 1738 1603 28M	9527	10-0130	23-691	1681 7	5 Ap 18	60	8 My 18	13	4 Je 16	66	6 JI 16	19	7 Au 14	72
4783 1739 1604 29M	2115	28-6519	21-824	1682 1	5 Ap 7	97	7 My 7	50	2 Je 6	03	3 JI 5	56	5 Au 4	09
4784 1740 1605 29M	4703	17-7602	17-982	1683 2	4 Ap 26	86	6 My 26	39	7 Je 24	92	2 JI 24	45	3 Au 22	99
4785 1741 1606 28M	7290	6-8685	14-139	1684 3	2 Ap 16	23	3 My 15	76	5 Je 14	29	6 JI 13	82	1 Au 12	35
4786 1742 1607 28M	9878	25-5074	12-272	1685 5	6 Ap 4	60	1 My 4	13	2 Je 2	66	4 JI 2	19	7 Au 30	25
4787 1743 1608 29M	2465	14-6157	8-429	1686 6	5 Ap 23	49	7 My 23	03	1 Je 21	56	3 JI 21	09	4 Au 19	62
4788 1744 1609 29M	5053	3-7240	4-587	1687 7	2 Ap 12	86	4 My 12	39	5 Je 10	92	7 JI 10	45	1 Au 8	98
4789 1745 1610 28M	7640	22-3629	2-720	1688 1	7 Ap 2	23	1 My 1	76	3 My 31	29	6 JI 29	35	7 Au 27	83
4790 1746 1611 29M	9228	11-4712	26-432	1689 3	4 Ap 20	13	7 My 19	66	4 Je 29	82	5 JI 29	72	3 Au 31	78
4791 1747 1612 29M	2815	0-8795	22-589	1690 4	3 Ap 9	49	5 My 9	02	2 Je 18	19	3 JI 17	72	5 Au 16	25
4792 1748 1613 29M	5403	19-3184	20-722	1691 5	3 Ap 9	49	5 My 9	02	6 Je 7	55	1 JI 7	09	2 Au 5	62
4793 1749 1614 28M	7991	8-9267	16-880	1692 6	7 Mr 29	86	3 My 27	92	5 Je 26	45	6 JI 25	93	1 Au 24	51
4794 1750 1615 29M	0578	26-9655	15-013	1693 1	2 Ap 23	39	2 My 23	29	2 Je 15	82	4 JI 15	35	5 Au 13	88
4795 1751 1616 29M	8166	16-0738	11-170	1694 2	4 Ap 6	13	5 My 5	66	7 Je 4	19	1 JI 3	72	3 Au 2	25
4796 1752 1617 29M	5763	5-1821	7-327	1695 3	3 Ap 25	02	4 My 24	55	6 Je 23	08	7 JI 22	61	2 Au 21	15
4797 1753 1618 28M	8941	23-8210	5-461	1696 4	7 Ap 14	39	1 My 13	92	3 Je 12	45	4 JI 11	98	6 Au 10	51
4798 1754 1619 29M	0928	12-9293	1-818	1697 6	4 Ap 3	76	6 My 3	02	7 Je 1	82	3 JI 30	88	5 Au 29	41
4799 1755 1620 29M	3516	2-0970	25-330	1698 7	3 Ap 21	65	5 My 21	19	6 Je 19	72	1 JI 19	25	2 Au 17	78
4800 1756 1621 29M	6104	20-6765	23-463	1699 1	1 Ap 11	02	2 My 10	55	4 Je 9	08	5 JI 8	61	7 Au 7	14
					5 Mr 31	39	6 Ap 29	92	2 Je 27	98	4 JI 27	51	6 Au 26	04
							1 My 29	45						
					4 Ap 19	29	5 My 18	82	7 Je 17	35	1 JI 16	88	3 Au 15	41



Surya Siddhanta.

+ 147-65293	+ 177-18953	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-80588	+ 324-83647		
+ 9-880	+ 11-856	+ 13-832	+ 15-808	+ 17-784	+ 19-760	+ 354-86705		
						+ 21-736		
						+ 23-712		
Asvina	Kartika	Margasira	Pausha	A.D.	Magha	A.D.	Phalguna	Chaitra
Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction
6 S 13 56 1 O 13 09 2 N 11 62 4 D 11 15 62 5 Jr 9 69 63 7 F 8 22 1 Mr 9 75	3 S 2 93 5 O 2 46 6 O 31 99 1 N 30 52 3 D 30 05 4 Jr 28 58 6 F 27 11	2 S 21 83 4 O 21 36 5 N 19 89 7 D 19 42 84 1 Jr 17 95 6 Jr 6 32 6 Jr 25 21 3 F 16 48 5 Mr 17 01	7 S 10 19 1 O 9 73 3 N 8 26 4 D 7 79 65 6 Jr 6 32 6 Jr 25 21 7 F 4 85 2 Mr 6 38	6 S 29 09 7 O 23 62 2 N 27 15 3 D 26 68 66 5 Jr 25 21 6 F 23 75 1 Mr 25 28	3 S 13 46 4 O 17 99 6 N 16 52 1 D 16 05 67 2 Jr 14 58 6 Jr 3 95 6 Jr 21 85 4 F 13 11 5 Mr 14 64	7 S 7 83 2 O 7 36 3 N 5 89 5 D 5 42 68 6 Jr 3 95 5 Jr 21 85 1 F 2 48 3 Mr 3 01	6 S 25 72 1 O 25 25 2 N 23 79 4 D 23 32 69 5 Jr 21 85 7 F 20 38 1 Mr 21 91	4 S 15 09 5 O 14 62 7 N 13 15 1 D 12 68 70 3 Jr 11 21 7 D 31 58 71 6 Jr 19 48 4 F 9 74 6 Mr 11 27
1 S 4 46 2 O 3 99 4 N 2 52 6 D 2 05 72 7 D 31 58 71 6 Jr 19 48 4 F 9 74 6 Mr 11 27	7 S 23 36 1 O 22 89 3 N 21 42 4 D 20 95 73 2 Jr 7 85 2 Jr 26 74 7 Jr 16 11 4 Jr 5 48 3 Jr 23 37 7 Jr 12 74 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33	4 S 11 72 6 O 11 25 7 N 9 78 2 D 9 31 73 2 Jr 7 85 2 Jr 26 74 7 Jr 16 11 4 Jr 5 48 3 Jr 23 37 7 Jr 12 74 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33	3 S 30 62 5 O 30 15 6 N 28 68 1 D 28 21 74 2 Jr 26 74 7 Jr 16 11 4 Jr 5 48 3 Jr 23 37 7 Jr 12 74 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33	7 S 19 99 2 O 19 52 4 N 18 05 5 D 17 58 75 7 Jr 16 11 4 Jr 5 48 76 4 Jr 5 48 3 Jr 23 37 7 Jr 12 74 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33	5 S 9 35 6 O 8 89 1 N 7 42 2 D 6 95 76 4 Jr 5 48 3 Jr 23 37 7 Jr 12 74 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33	4 S 27 25 5 O 26 78 7 N 25 31 1 D 24 84 77 3 Jr 23 37 7 Jr 12 74 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33	1 S 16 62 3 O 16 15 4 N 14 68 6 D 14 21 78 7 Jr 12 74 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33	5 S 5 99 7 O 5 52 2 N 4 05 3 D 3 58 79 5 Jr 2 11 4 Jr 21 01 2 F 7 90 7 Jr 28 27 3 Mr 23 33
4 S 24 88 6 O 24 41 7 N 22 95 2 D 22 48 80 4 Jr 21 01 1 Jr 9 37 5 D 29 74 82 4 Jr 17 64 2 Jr 7 01 7 Jr 24 90 5 Jr 14 27 2 Jr 3 64 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	2 S 13 25 3 O 12 78 5 N 11 31 6 D 10 84 81 1 Jr 9 37 5 D 29 74 82 4 Jr 17 64 2 Jr 7 01 7 Jr 24 90 5 Jr 14 27 2 Jr 3 64 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	1 O 2 15 5 S 21 52 7 O 21 05 1 N 19 58 3 D 19 11 83 4 Jr 17 64 2 Jr 7 01 7 Jr 24 90 5 Jr 14 27 2 Jr 3 64 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	2 S 10 88 4 O 10 41 5 N 8 94 7 D 8 47 84 2 Jr 7 01 7 Jr 24 90 5 Jr 14 27 2 Jr 3 64 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	1 S 28 78 3 O 28 31 4 N 26 84 6 D 26 37 85 7 Jr 24 90 5 Jr 14 27 2 Jr 3 64 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	6 S 18 15 7 O 17 68 2 N 16 21 3 D 15 74 86 5 Jr 14 27 2 Jr 3 64 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	3 S 7 51 5 O 7 05 6 N 5 58 1 D 5 11 87 2 Jr 3 64 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	2 S 26 41 3 O 25 94 5 N 24 47 7 D 24 00 88 1 Jr 22 53 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	6 S 14 78 1 O 14 31 2 N 12 84 4 D 12 37 89 5 Jr 10 90 3 D 31 27 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76
4 S 4 15 5 O 3 68 7 N 2 21 1 D 1 74 91 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	3 S 23 04 4 O 22 57 6 N 21 11 7 D 20 64 91 2 Jr 19 17 90 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	7 S 12 41 1 O 11 94 3 N 10 47 5 D 10 00 92 6 Jr 8 53 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	6 S 30 31 7 O 29 84 2 N 28 37 3 D 27 90 93 5 Jr 26 43 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	3 S 19 68 5 O 19 21 6 N 17 74 1 D 17 27 94 2 Jr 15 80 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	1 S 9 04 2 O 8 57 4 N 7 10 5 D 6 63 95 7 Jr 5 17 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	6 S 27 94 1 O 27 47 3 N 26 00 4 D 25 53 96 6 Jr 24 06 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	4 S 16 31 5 O 15 84 7 N 14 37 1 D 13 90 97 3 Jr 12 43 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	1 S 5 67 3 O 5 21 4 N 3 74 6 D 3 27 98 7 Jr 1 80 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76
7 S 21 57 2 O 24 10 3 N 22 63 5 D 22 16 99 6 Jr 20 69 4 F 10 96 2 Jr 31 33 3 Mr 1 86 1 F 19 23 2 Mr 20 76	4 S 13 94 6 O 13 47 1 N 12 00 2 D 11 53 17 4 Jr 10 06 00 5 F 8 59 7 Mr 9 12							



TABLE X—

Kaliyuga.	Vikrama Era.	Saka Era.	Commence- ment of Solar Year.	Month and day A.D.	Fraction of day.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.	Week day of 1st January.	Vaisakha				Jyeshtha				Ashada				Sravana				Bhadrapada			
										Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
4801	1757	1622	28M	8691	9-7848	19-623	1700	2	1 Ap	7	65	3 My	7	18	4 Je	5	71	6 Ji	5	24	7 Au	30	78						
4802	1758	1623	29M	1279	28-4237	17-756	1701	4	7 Ap	26	55	2 My	26	08	3 Je	24	61	5 Ji	24	14	6 Au	22	67						
4803	1759	1624	29M	3866	17-5320	13-913	1702	5	4 Ap	15	92	6 My	15	45	7 Je	13	98	2 Ji	13	51	4 Au	12	04						
4804	1760	1625	29M	6454	6-6403	10-071	1703	6	2 Ap	5	28	3 My	4	82	5 Je	30	85	6 Ji	2	88	2 Au	30	94						
4805	1761	1626	28M	9041	25-2792	8-204	1704	1	1 Ap	23	18	3 My	22	71	4 Je	21	24	5 Ji	20	77	7 Au	19	31						
4806	1762	1627	29M	1629	14-3875	4-361	1705	2	5 Ap	12	55	7 My	12	08	1 Je	10	61	3 Ji	10	14	4 Au	8	67						
4807	1763	1628	29M	4217	3-4958	0-518	1706	3	2 Ap	10	92	4 My	1	45	7 Je	29	51	2 Ji	29	04	3 Au	27	57						
4808	1764	1629	29M	6804	22-1347	26-206	1707	4	1 Ap	20	81	3 My	20	35	4 Je	18	88	6 Ji	18	41	7 Au	16	94						
4809	1765	1630	28M	9392	11-2430	22-363	1708	5	6 Ap	9	18	7 My	8	71	2 Je	7	24	3 Ji	6	77	5 Au	5	30						
4810	1766	1631	29M	1979	0-3513	18-521	1709	7	3 Mr	29	55	6 My	27	61	1 Je	26	14	2 Ji	25	67	4 Au	24	20						
4811	1767	1632	29M	4567	18-9902	16-654	1710	1	2 Ap	17	45	3 My	16	98	5 Je	15	51	7 Ji	15	04	1 Au	18	57						
4812	1768	1633	29M	7154	8-0984	12-811	1711	2	6 Ap	6	81	1 My	6	84	2 Je	4	87	4 Ji	4	40	5 Au	2	94						
4813	1769	1634	28M	9742	26-7373	10-944	1712	3	5 Ap	24	71	7 My	24	24	1 Je	22	77	3 Ji	22	30	4 Au	20	83						
4814	1770	1635	29M	2329	15-8456	7-102	1713	5	3 Ap	14	08	4 My	13	61	6 Je	12	14	7 Ji	11	67	2 Au	10	20						
4815	1771	1636	29M	4917	4-9539	3-259	1714	6	7 Ap	3	45	1 My	20	98	3 Je	1	51	6 Ji	30	57	1 Au	29	10						
4816	1772	1637	29M	7505	23-5928	1-392	1715	7	6 Ap	22	84	7 My	21	87	2 Je	20	40	3 Ji	19	93	5 Au	18	47						
4817	1773	1638	29M	0092	12-7011	25-10																							



+ 147.65293	+ 177.18953	+ 206.71411	+ 236.24470	+ 265.77529	+ 295.30588	+ 324.83647
						+ 354.36705
+ 9.880	+ 11.856	+ 13.832	+ 15.808	+ 17.784	+ 19.760	+ 21.736
						+ 23.712

Asvina				Kartika				Margasira				Fausha				A.D.		Magha		A.D.		Phalguna				Chaitra					
Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
2 S	2	31	5 O	31	37	6 N	29	90	1 D	29	43	01	2	Jr	27	96					4 F	26	49	6 Mr	28	03					
3 O	1	84																		1 F	15	86	3 Mr	17	39						
1 S	21	20	2 O	20	73	4 N	19	26	5 D	18	80	02	7	Jr	17	83				6 F	5	22	7 Mr	6	75						
5 S	10	57	7 O	10	10	1 N	8	63	3 D	8	16	03	4	Jr	6	69				5 F	24	12	6 Mr	24	65						
4 S	29	47	6 O	29	70	7 N	27	53	2 D	27	06	04	3	Jr	25	59															
1 S	17	84	3 O	17	37	4 N	15	90	6 D	15	43	05	7	Jr	13	96				2 F	12	49	4 Mr	14	02						
6 S	7	20	7 O	6	73	2 N	5	26	3 D	4	79	06	5	Jr	3	32				6 F	1	86	1 Mr	3	39						
5 S	26	10	6 O	25	63	1 N	24	16	2 D	23	69	07	4	Jr	22	22				5 F	20	75	7 Mr	22	28						
2 S	15	47	4 O	15	00	5 N	13	53	7 D	13	06	08	1	Jr	11	59				3 F	10	12	4 Mr	10	65						
6 S	3	83	1 O	3	36	2 N	1	90	4 D	1	43		5	D	30	96	09			7 Jr	29	49	2 F	28	02						
5 S	22	73	7 O	22	26	1 N	20	79	3 D	20	32	10	4	Jr	18	85				6 F	17	39	7 Mr	18	92						
3 S	12	10	4 O	11	63	6 N	10	16	7 D	9	69	11	2	Jr	8	22				3 F	6	75	5 Mr	8	28						
2 O	1	00	3 O	30	53	5 N	29	06	6 D	28	59	12	1	Jr	27	12				2 F	25	65	4 Mr	26	13						
6 S	19	26	7 O	18	89	2 N	17	43	3 D	16	96	13	5	Jr	15	49				7 F	14	02	1 Mr	15	55						
3 S	8	73	5 O	8	26	6 N	6	79	1 D	6	32	14	2	Jr	4	85				4 F	3	38	5 Mr	4	91						
2 S	27	63	4 O	27	16	5 N	25	69	7 D	25	22	15	1	Jr	23	75				3 F	22	28	4 Mr	23	81						
7 S	17	00	1 O	16	53	3 N	15	06	4 D	14	59	16	6	Jr	13	12				7 F	11	65	2 Mr	12	18						
4 S	5	96	5 O	4	89	7 N	3	42	1 D	2	95	17	3	Jr	1	49				5 Jr	31	02	6 Mr	1	55						
3 S	24	26	4 O	23	79	6 N	22	32	7 D	21	85	18	2	Jr	20	38				3 F	18	91	5 Mr	20	44						
7 S	13	63	2 O	13	16	3 N	11	69	5 D	11	22	19	6	Jr	9	75				1 F	8	28	2 Mr	9	81						
4 S	2	99	1 N	1	06	2 N	30	59	4 D	30	12	20	5	Jr	28	65				7 F	27	18	1 Mr	27	71						
6 O	2	53																													
3 S	20	89	5 O	20	42	6 N	18	95	1 D	18	48	21	3	Jr	17	01				4 F	15	55	6 Mr	17	08						
1 S	10	26	2 O	9	79	4 N	8	32	5 D	7	85	22	7	Jr	6	38				1 F	4	91	3 Mr	6	44						
7 S	29	16	1 O	28	69	3 N	27	22	4 D	26	75	23	6	Jr	25	28				7 F	23	81	2 Mr	25	34						
4 S	18	52	6 O	18	05	7 N	16	59	2 D	16	12	24	3	Jr	14	65				5 F	13	18	6 Mr	13	7						
1 S	6	89	3 O	6	42	4 N	4	95	6 D	4	48	25	1	Jr	3	01				2 F	1	54	4 Mr	3	07						
7 S	25	79	2 O	25	32	3 N	23	85	5 D	23	38	26	6	Jr	21	91				1 F	20	44	2 Mr	21	97						
5 S	15	16	6 O	14	69	1 N	13	22	2 D	12	75	27	4	Jr	11	28				5 F	9	81	7 Mr	11	34						
2 S	4	52	4 O	4	05	5 N	2	58	7 D	2	11		1	D	31	64	28			3 Jr	30	18	4 F	28	71						
1 S	22	42	2 O	21	95	4 N	20	48	6 D	20	01	29	7	Jr	18	54				2 F	17	07	3 Mr	18	60						
5 S	11	79	7 O	11	32	1 N	9	85	3 D	9	38	30	4	Jr	7	91				6 F	6	44	7 Mr	7	97						
4 S	30	68	6 O	30	22	7 N	28	75	2 D	28	28	31	3	Jr	26	81				5 F	25	34	6 Mr	26	87						
2 S	20	05	3 O	19	58	5 N	18	11	6 D	17	64	32	1	Jr	16	17				2 F	14	70	4 Mr	15	24						
6 S	8	42	7 O	7	95	2 N	6	48	4 D	6	01	33	5	Jr	4	54				7 F	3	07	1 Mr	4	60						
5 S	27	32	6 O	26	85	1 N	25	38	2 D	24	91	34	4	Jr	23	44				5 F	21	97	7 Mr	23	50						
2 S	16	68	4 O	16	21	5 N	14	74	7 D	14	28	35	1	Jr	12	81				3 F	11	34	4 Mr	12	87						
7 S	6	05	1 O	5	58	3 N	4	11	4 D	3	64	36	6	Jr	2	17				7 Jr	31	70	2 Mr	1	23						
5 S	23	95	7 O	23	48	2 N	22	01	3 D	21	54	37	5	Jr	20	07				6 F	18	60	1 Mr	20	13						
3 S	13	32	4 O	12	85	6 N	11	38	7 D	10	91	38	2	Jr	9	44				3 F	7	97	5 Mr	9	50						
7 S	2	68	3 O	31	74	5 N	30	27	6 D	29	80	39	1	Jr	28	34				2 F	26	87	4 Mr	28	40						
3 O	2	21																													

			Com- mence- ment of Solar Year.		First New-Moon in Solar Year.		Anomaly of first New-Moon.		A.D.		Week-day of 1st January.		☉'s Anom col. 6		☉'s Anom col. 7		+ 29-53059		+ 59-06117		+ 88-59176		+ 118-12235	
			Month and day A.D.		Fraction of day.																			



Surya Siddhanta.

+ 147-65293	+ 177-18353	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-80588	+ 324-83647
+ 9-880	+ 11-856	+ 13-832	+ 15-808	+ 17-784	+ 19-760	+ 21-736
						+ 23-712

Asvina				Kartika				Margasira				A.D.				Pausha				A.D.				Magha				Phalgunā				Chaitra			
Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction				
6 S	21	58	1 O	21	11	2 N	19	64				4 D	19	17	40	5 Jr	17	70	7 F	16	23	1 Mr	16	76											
3 S	9	95	5 O	9	48	7 N	8	01				1 D	7	54	41	3 Jr	6	07	4 F	4	60	6 Mr	6	13											
2 S	28	84	4 O	28	38	5 N	26	91				7 D	26	44	42	1 Jr	24	97	3 F	23	50	5 Mr	25	03											
7 S	18	21	1 O	17	74	3 N	16	27				4 D	15	80	43	6 Jr	14	33	7 F	12	86	2 Mr	14	40											
4 S	7	58	6 O	7	11	7 N	5	64				2 D	5	17	44	3 Jr	3	70	5 F	2	23	6 Mr	2	76											
3 S	25	48	5 O	25	01	6 N	23	54				1 D	23	07	45	2 Jr	21	60	4 F	20	13	5 Mr	21	66											
7 S	14	84	2 O	14	37	3 N	12	91				5 D	12	44	46	6 Jr	10	97	1 F	9	50	3 Mr	11	03											
5 S	4	21	6 O	3	74	1 N	2	27				2 D	1	80		4 D	31	33	47	5 Jr	29	86	7 F	28	39										
4 S	23	11	5 O	22	64	7 N	21	17				1 D	20	70	48	3 Jr	19	23	4 F	17	76	6 Mr	18	29											
1 S	11	48	3 O	11	01	4 N	9	54				6 D	9	07	49	7 Jr	7	60	2 F	6	13	3 Mr	7	66											
7 S	30	37	1 O	29	90	3 N	28	43				4 D	27	96	50	6 Jr	26	50	1 F	25	03	2 Mr	26	56											
4 S	19	74	6 O	19	27	7 N	17	80				2 D	17	33	51	3 Jr	15	86	5 F	14	39	6 Mr	15	92											
2 S	9	11	3 O	8	64	5 N	7	17				6 D	6	70	52	1 Jr	5	23	2 F	3	76	4 Mr	4	29											
1 O*	8	00	2 N	6	54	4 D	6	07	53			5 Jr	4	60		7 F	3	13	1 Mr	4	66	3 Ap	8	19											
5 S	27	77	6 O	26	90	1 N	25	43				2 D	24	96	54	4 Jr	23	49	6 F	22	02	7 Mr	23	56											
2 S	16	47	4 O	16	27	5 N	14	80				7 D	14	33	55	1 Jr	12	86	3 F	11	39	4 Mr	12	92											
1 O	5	64	3 N	4	17	4 D	3	70	56			6 Jr	2	23		7 Jr	31	76	2 Mr	1	29	3 Mr	30	82											
6 S	24	00	7 O	23	53	2 N	22	06				3 D	21	60	57	5 Jr	20	13	6 F	18	66	1 Mr	20	19											
3 S	13	37	6 N	11	43	7 D	10	96	58			2 Jr	9	49		4 F	8	02	5 Mr	9	55	7 Ap	8	03											
4 O	12	90										6 D	29	86	59	1 Jr	28	39	2 F	26	92	4 Mr	28	45											
2 O	2	27	3 O	31	80	5 N	30	33				4 D	19	23	60	5 Jr	17	76	7 F	16	29	1 Mr	16	82											
6 S	21	64	1 O	21	17	2 N	19	70	61			3 Jr	6	12		4 F	4	66	6 Mr	6	19	7 Ap	4	72											
5 O	9	53	7 N	8	06	1 D	7	59				7 D	26	49	62	2 Jr	25	02	3 F	23	55	5 Mr	25	08											
2 S	28	90	4 O	28	43	5 N	26	96				4 D	15	86	63	6 Jr	14	39	7 F	12	92	3 Mr	14	45											
7 S	18	27	1 O	17	30	3 N	16	33	64			3 Jr	3	76		5 F	2	29	6 Mr	2	82	1 Ap	1	35											
6 O	7	16	7 N	5	70	2 D	5	23				1 D	23	12	65	2 Jr	21	65	4 F	20	18	5 Mr	21	72											
3 S	25	58	5 O	25	06	6 N	23	59				5 D	12	49	66	7 Jr	11	02	1 F	9	55	3 Mr	11	08											
7 S	14	90	2 O	14	43	3 N	12	96				4 D	31	39	67	5 Jr	29	92	7 F	28	45	1 Mr	29	98											
6 O	3	80	1 N	2	33	2 D	1	86				1 D	20	76	68	3 Jr	19	29	4 F	17	82	6 Mr	18	86											
4 S	23	16	5 O	22	69	7 N	21	22	69			7 Jr	7	65		2 F	6	18	3 Mr	7	71	5 Ap	6	24											
3 O	11	06	4 N	9	59	6 D	9	12				5 D	28	02	70	6 Jr	26	55	1 F	25	08	2 Mr	26	61											
7 S	30	43	1 O	29	93	3 N	28	49				2 D	17	39	71	3 Jr	15	92	5 F	14	45	6 Mr	15	98											
4 S	19	80	6 O	19	33	7 N	17	86	72			1 Jr	5	28		2 F	3	82	4 Mr	4	85	5 Ap	2	88											
3 O	8	69	5 N	7	22	6 D	6	75				5 D	24	65	73	7 Jr	23	18	1 F	21	71	3 Mr	23	24											
1 S	27	06	2 O	26	59	4 N	25	12				3 D	14	02	74	4 Jr	12	55	6 F	11	03	7 Mr	13	61											
5 S	16	43	6 O	15	96	1 N	14	49	75			1 Jr	1	92		3 Jr	31	45	4 Mr	1	98	6 Mr	31	51											
4 O	5	32	5 N	3	86	7 D	3	39				6 D	22	28	76	7 Jr	20	81	2 F	19	34	3 Mr	19	88											
1 S	24	69	3 O	24	22	4 N	22	75	77			5 Jr	9	18		6 F	7	71	1 Mr	9	24	2 Ap	7	77											
7 O	12	59	2 N	11	12	3 D	10	65				2 D	29	55	78	4 Jr	23	08	5 F	26	61	7 Mr	23	14											
4 O	1	96	6 O	31	49	1 N	30	02				6 D	18	92	79	1 Jr	17	45	2 F	15	98	4 Mr	17	51											
2 S	21	32	3 O	20	85	5 N	19	38				5 Jr	6	81		7 F	5	34	1 Mr	5	87	3 Ap	4	40											
1 O	10	22	2 N	8	75	4 D	8	28	80																										

* In this year A.D. 1752, the New Style was introduced by an Act of the British Parliament and 11 days were dropped out, that is, the next day after Wednesday, 2 September 1752 was declared to be Thursday, 14 September 1752. Hence the New-Moon after 28 August 1752 which would ordinarily have occurred on 26 September 1752 actually occurred on 3 October 1752.



1st January.	☉'s Anom col. 6	+ 29.53029	+ 59.06117	+ 88.59176	+ 118.12235
	('s Anom col. 7	+ 1.976	+ 3.952	+ 5.928	+ 7.904
	Yaisakha	Jyeshta	Ashada	Srawana	Bhadrapada

Kaliyuga.	Vikrama Era.	Saka Era.	Com- mence- ment of Solar Year.	Month and day A.D. Fraction of day.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.	Vaisakha	Jyeshtha	Ashada	Sravana	Bhadrapada											
							Week-day of 1st January.	Week-day	Week-day	Week-day	Week-day	Week-day											
								Month	Month	Month	Month	Month											
								Day	Day	Day	Day	Day											
								Fraction	Fraction	Fraction	Fraction	Fraction											
4881	1837	1702	9A	5696	24-3664	19-474	1780	7	4 My	30	94	6 Je	2	47	1 Ji	2	00	2 Ji	31	53	4 Au	30	06
4882	1838	1703	9A	5696	24-3664	19-474	1781	2	2 Ap	23	30	3 My	22	83	5 Je	21	86	6 Ji	20	39	1 Au	19	42
4883	1839	1704	10A	0871	2-5880	11-789	1782	3	6 Ap	12	67	1 My	12	20	4 Ji	10	26	5 Au	8	79	7 S	7	32
4884	1840	1705	10A	2459	21-2218	9-922	1783	4	5 My	1	57	7 My	31	10	1 Je	29	63	3 Ji	29	16	4 Au	27	69
4885	1841	1706	9A	6047	10-3301	6-079	1784	5	2 Ap	19	93	4 My	19	46	6 Je	18	00	7 Ji	17	53	2 Au	16	06
4886	1842	1707	9A	8634	28-9690	4-213	1785	7	1 My	8	63	3 Je	7	36	4 Ji	6	89	6 Au	5	42	7 S	3	95
4887	1843	1708	10A	1322	18-0773	0-870	1786	1	6 Ap	28	20	7 My	27	73	2 Je	26	26	3 Ji	25	79	5 Au	24	32
4888	1844	1709	10A	3809	7-1856	24-082	1787	2	3 Ap	17	57	5 My	17	10	6 Je	15	63	1 Ji	15	16	4 S	12	22
4889	1845	1710	9A	6397	25-8245	22-215	1788	3	2 My	5	46	3 Je	3	99	5 Ji	9	52	7 Au	2	06	1 Au	31	59
4890	1846	1711	9A	8984	14-9328	18-372	1789	5	6 Ap	24	83	1 My	24	36	2 Je	22	89	4 Ji	22	42	5 Au	20	95
4891	1847	1712	10A	1572	4-0411	14-529	1790	6	4 Ap	14	20	5 My	13	73	7 Je	12	26	3 Au	10	32	4 S	8	85
4892	1848	1713	10A	4160	19-6800	2-663	1791	7	3 My	3	10	4 Je	1	63	6 Ji	1	79	7 Ji	30	69	2 Au	29	22
4893	1849	1714	9A	6747	11-7893	8-820	1792	1	7 Ap	21	46	1 My	20	99	3 Je	19	52	5 Ji	19	05	6 Au	17	58
4894	1850	1715	9A	9335	0-8966	4-977	1793	3	4 Ap	10	83	7 Je	8	89	2 Ji	8	42	3 Au	6	95	5 S	5	46
4895	1851	1716	10A	1922	19-5355	3-110	1794	4	5 Ap	29	73	5 My	29	26	6 Je	27	79	1 Ji	27	32	2 Au	25	85
4896	1852	1717	10A	4510	8-6438	26-822	1795	5	1 Ap	19	09	2 My	18	62	4 Je	17	16	5 Ji	16	69	7 Au	15	22
4897	1853	1718	9A	7097	27-2827	24-955	1796	6	6 My	6	99	1 Je	5	52	3 Ji	5	05	4 Au	3	58	6 S	2	11
4898	1854	1719	9A	9685	16-3910	21-113	1797	1	4 Ap	26	36	5 My	25	89	7 Je	24	42	1 Ji	23	95	3 Au	23	48
4899	1855	1720	10A	2272	5-4993	17-270	1798	2	1 Ap	15	73	3 My	15	26	4 Je	13	79	6 Ji	13	32	2 S	10	38
4900	1856	1721	10A																				



Surya Siddhanta.

+ 147-65293	+ 177-18353	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-30588	{ +324-83647 +354-96705 +21-736 +23-712		
+ 9-880	+ 11-856	+ 13-832	+ 15-808	+ 17-794	+ 19-760			
Asvina	Kartika	Margasira	A.D.	Pausha	A.D.	Magha	Phalguna	Chaitra
Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction
5 S 28 .59	7 O 28○ .12	1 N 26 .65	3 D 26 .18	81	4 Jr 24 .71	6 F 23 .24	7 Mr 24 .77	
2 S 17 .96	4 O 17● .49	6 N 16 .02	7 D 15 .55	82	2 Jr 14 .08	3 F 12 .61	5 Mr 14○ .14	
1 O 6● .86	3 N 5 .38	4 D 4 .91	6 Jr 3 .44	83	7 F 1 .98	2 Mr 3○ .51	4 Ap 21 .04	
6 S 26 .22	7 O 25 .75	2 N 24 .28	3 D 23 .81	84	5 Jr 22 .94	6 F 20○ .87	1 Mr 21 .40	
3 S 14 .59	5 O 14 .12	6 N 12 .65	1 D 12 .18	85	2 Jr 10 .71	4 F 9● .24	5 Mr 10 .77	
2 O 3 .48	4 N 2 .02	5 D 1 .55	7 D 31○ .08	86	1 Jr 29● .61	3 F 28 .14	4 Mr 29 .67	
6 S 22 .85	1 O 22 .38	2 N 20 .91	4 D 20○ .44	87	5 Jr 18 .97	7 F 17 .50	2 Mr 19 .04	
5 O 11 .75	7 N 10 .28	1 D 9○ .81	3 Jr 8 .34	88	4 F 6 .87	6 Mr 7 .40	7 Ap 5 .93	
3 S 30 .12	4 O 29 .65	6 N 28 .18	7 D 27 .71	89	2 Jr 26 .24	3 F 24 .77	5 Mr 26 .30	
7 S 19 .48	2 O 19○ .01	3 N 17● .54	5 D 17 .08	90	6 Jr 15 .61	1 F 14 .14	2 Mr 15 .67	
6 O 8○ .38	7 N 6 .91	2 D 6 .44	3 Jr 4 .97	91	5 F 3 .50	7 Mr 5 .03	1 Ap 3● .56	
3 S 27● .75	5 O 27 .28	6 N 25 .81	1 D 25 .34	92	2 Jr 23 .87	4 F 22 .40	5 Mr 22 .93	
1 S 16● .12	2 O 15 .65	4 N 14 .18	5 D 13 .71	93	7 Jr 12 .24	1 F 10○ .77	3 Mr 12● .30	
7 O 5 .01	1 N 3 .54	3 D 3 .07	4 Jr 1 .60	94	6 Jr 31○ .14	7 Mr 1 .67	2 Mr 31 .20	
4 S 24 .98	5 O 23 .91	7 N 22 .44	1 D 21 .97	95	3 Jr 20● .50	5 F 19 .03	6 Mr 20 .56	
3 O 13 .28	4 N 11 .81	6 D 11 .34	7 Jr 9● .87	96	2 F 8 .40	3 Mr 8 .93	5 Ap 7 .46	
7 O 1 .64	2 O 31 .18	3 N 29○ .71	5 D 29 .24	97	6 Jr 27 .77	1 F 26 .30	2 Mr 27 .83	
5 S 21 .01	6 O 20 .54	1 N 19○ .07	2 D 18 .60	98	4 Jr 17 .13	5 F 15 .66	7 Mr 17 .20	
3 O 9 .91	5 N 8●○ .44	6 D 7 .97	1 Jr 6 .50	99	3 F 5 .03	4 Mr 6 .56	6 Ap 5 .09	
1 S 29 .28	2 O 28 .81	4 N 27 .34	5 D 26 .87	00	7 Jr 25 .40	1 F 23 .93	3 Mr 25○ .46	
5 S 18○ .64	7 O 13 .17	1 N 16 .70	3 D 16 .24	01	4 Jr 14 .77	3 F 13 .30	7 Mr 14○ .83	
4 O 7 .54	6 N 6 .07	7 D 5 .60	2 Jr 4 .13	02	3 F 2 .66	5 Mr 4○ .19	6 Ap 2 .72	
1 S 26 .91	3 O 26 .44	4 N 24 .97	6 D 24 .50	03	1 Jr 23 .03	2 F 21 .56	4 Mr 23 .09	
6 S 16 .28	7 O 15 .81	2 N 14 .34	3 D 13 .87	04	5 Jr 12○ .40	6 F 10● .93	1 Mr 11 .46	
5 O 4 .17	6 N 2 .70	1 D 2 .23	2 D 31○ .76	05	4 Jr 30 .30	5 F 28 .83	2 Ap 9 .99	
2 S 23 .54	4 O 23 .07	5 N 21 .60	7 D 21○ .18	06	1 Jr 19 .66	3 F 18 .19	7 Mr 30 .36	
1 O 12 .44	2 N 10 .97	4 D 10● .50	6 Jr 9 .03	07	7 F 7 .56	2 Mr 9 .09	4 Mr 19 .72	
5 O 1 .80	7 O 31○ .34	1 N 29● .87	3 D 29 .40	08	4 Jr 27 .93	6 F 26 .46	3 Ap 7 .62	
3 S 20 .17	4 O 19○ .70	6 N 18● .23	7 D 17 .76	09	2 Jr 16 .29	3 F 14 .82	7 Mr 26 .99	
2 O 9○ .07	3 N 7 .60	5 D 7 .13	6 Jr 5 .66	10	1 F 4 .19	2 Mr 5 .72	5 Mr 16 .36	
6 S 28 .44	7 O 27 .97	2 N 26 .50	4 D 26 .03	11	5 Jr 24 .56	7 F 23○ .09	4 Ap 4● .25	
3 S 17 .80	5 O 17 .33	6 N 15 .86	1 D 15 .40	12	2 Jr 13 .93	4 F 12○ .46	1 Mr 24 .62	
2 O 5 .70	4 N 4 .23	5 D 3 .76	7 Jr 2 .29	13	1 Jr 31●○ .82	3 Mr 2 .35	5 Mr 12 .99	
7 S 25 .07	1 O 24 .60	3 N 23 .13	4 D 22 .66	14	6 Jr 21 .19	7 F 19 .72	4 Mr 31 .88	
5 O 13 .97	7 N 12 .50	2 D 12○ .03	3 Jr 10 .56	15	5 F 9 .09	6 Mr 10 .62	2 Mr 21 .25	
3 O 3 .33	4 N 1 .86	6 D 1○ .39	7 D 30 .92	16	2 Jr 29 .46	3 F 27 .99	1 Ap 9 .15	
7 S 21 .70	2 O 21 .23	3 N 19●○ .76	5 D 19 .29	17	6 Jr 17 .82	1 F 16 .35	5 Mr 28 .52	
6 O 10 .60	1 N 9● .13	2 D 8 .66	4 Jr 7 .19	18	5 F 5 .72	7 Mr 7 .25	3 Mr 17 .88	
3 S 29○ .96	5 O 29 .50	7 N 28 .03	1 D 27 .56	19	3 Jr 26 .09	4 F 24 .62	1 Ap 5○ .73	
							6 Mr 26○ .15	



			☉'s Anom col. 6		+ 29-53059		+ 59-06117		+ 88-59176		+ 118-12235					
			☾'s Anom col. 7		+ 1-976		+ 3-952		+ 5-928		+ 7-904					
Kaliyuga.	Virama Era.	Saka Era.	Com- mence- ment of Solar Year.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.		Vaisakha	Jyeshtha	Ashada	Shravana	Bhadrapada				
Month and day A.D.	Fraction of day.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	Week-day of 1st January.	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
4920 1876 1741 11A	·6611	13-0182	7-492	1819 6	7 Ap	24	·68	2 My 24	·21 3 Je	22	·74 5 Ji	22	·27 6 Au	20	·80	
4921 1877 1742 10A	·9199	2-1265	3-649	1820 7	5 Ap	13	·05	6 My 12	·58 2 Ji	10	·64 4 Au	9	·17 5 S	7	·70	
4922 1878 1743 11A	·1787	20-7654	1-783	1821 2	3 My	1	·94	5 My 31	·47 7 Je	30	·00 1 Ji	29	·54 3 Au	28	·07	
4923 1879 1744 11A	·4374	9-8737	25-495	1822 3	1 Ap	21	·31	2 My 20	·84 4 Je	19	·37 5 Ji	18	·90 7 Au	17	·43	
4924 1880 1745 11A	·6962	28-5126	23-628	1823 4	7 My	10	·21	1 Je 8	·74 3 Ji	8	·27 4 Au	6	·80 6 S	5	·33	
4925 1881 1746 10A	·9549	17-6209	19-785	1824 5	4 Ap	28	·58	6 My 28	·11 7 Je	26	·64 2 Ji	26	·17 3 Au	24	·70	
4926 1882 1747 11A	·2137	6-7292	15-942	1825 7	1 Ap	17	·94	3 My 17	·47 5 Je	16	·00 6 Ji	15	·53 2 S	12	·60	
4927 1883 1748 11A	·4724	25-3681	14-076	1826 1	7 My	6	·84	2 Je 5	·37 3 Ji	4	·90 5 Au	3	·43 6 S	1	·96	
4928 1884 1749 11A	·7312	14-4764	10-233	1827 2	5 Ap	26	·21	6 My 25	·74 1 Je	24	·27 2 Ji	23	·80 4 Au	22	·33	
4929 1885 1750 10A	·9899	3-6847	6-390	1828 3	2 Ap	14	·57	4 My 14	·10 5 Je	12	·64 1 Au	10	·70 3 S	9	·23	
4930 1886 1751 11A	·2487	22-2236	4-523	1829 5	1 My	3	·47	3 Je 2	·00 4 Ji	1	·53 6 Ji	31	·06 7 Au	29	·59	
4931 1887 1752 11A	·5075	11-3319	0-681	1830 6	5 Ap	22	·84	7 My 22	·37 1 Je	20	·90 3 Ji	20	·43 4 Au	18	·96	
4932 1888 1753 11A	·7662	0-4402	24-392	1831 7	3 Ap	12	·21	6 Je 10	·27 7 Ji	9	·80 2 Au	8	·33 3 S	6	·86	
4933 1889 1754 11A	·0250	19-0791	22-526	1832 1	4 My	11	·74	3 My 29	·63 5 Je	28	·16 6 Ji	27	·70 1 Au	26	·23	
4934 1890 1755 11A	·2837	8-1874	13-683	1833 3	2 Ap	30	·10	3 My 29	·63 5 Je	28	·16 6 Ji	27	·70 1 Au	26	·23	
4935 1891 1756 11A	·5425	26-8263	16-816	1834 4	6 Ap	19	·47	1 My 19	·00 2 Je	17	·53 4 Ji	17	·06 5 Au	15	·59	
4936 1892 1757 11A	·8012	15-9346	12-973	1835 5	5 My	8	·37	6 Je 6	·90 1 Ji	6	·43 2 Au	4	·96 4 S	3	·49	
4937 1893 1758 11A	·0600	5-0429	9-431	1836 6	2 Ap	27	·74	4 My 27	·27 5 Je	25	·80 7 Ji	25	·33 1 Au	23	·86	
4938 1894 1759 11A	·3188	23-6819	7-264	1837 7	7 Ap	16	·10	1 My 15	·63 3 Je	14	·16 6 Au	12	·22 7 S	10	·76	
4939 1895 1760 11A	·5775	12-7900	3-421	1838 2	6 My	5	·00	7 Je 3	·53 2 Ji	3	·06 3 Au	1	·59 5 Au	31	·12	
4940 1896 1761 11A	·8363	1-8983	27-133	1839 3	3 Ap	24	·37	4 My 23	·90 6 Je	22	·43 7 Ji	21	·96 2 Au	20	·49	
4941 1897 1762 11A	·0950	20-5372	25-266	1840 4	7 Ap	13	·73	2 My 13	·26 5 Ji	11	·33 6 Au	9	·86 1 S	8	·39	
4942 1898 1763 11A	·3538	9-6455	21-424	1841 6	3 Je	11	·80	3 My 31	·16 2 Je	29	·69 4 Ji	29	·22 5 Au	27	·75	
4943 1899 1764 11A	·6125	28-2844	19-557	1842 7	4 Ap	21	·00	5 My 20	·53 7 Je	19	·06 1 Ji	18	·59 3 Au	17	·12	
4944 1900 1765 11A	·8713	17-3927	15-714	1843 1	2 My	9	·90	4 Je 8	·43 5 Ji	7	·96 7 Au	6	·49 2 S	5	·02	
4945 1901 1766 11A	·1300	6-5010	11-871	1844 2	7 Ap	29	·26	1 My 28	·79 3 Je	27	·32 4 Ji	26	·86 6 Au	25	·39	
4946 1902 1767 11A	·3888	25-1399	10-004	1845 4	4 Ap	17	·63	6 My 17	·16 7 Je	15	·69 5 Ji	15	·22 5 S	12	·28	
4947 1903 1768 11A	·6476	14-2482	6-162	1846 5	3 My	6	·53	5 Je 5	·06 6 Ji	4	·59 1 Au	3	·12 2 S	1	·65	
4948 1904 1769 11A	·9063	3-8565	2-319	1847 6	7 Ap	25	·90	2 My 25	·43 3 Je	23	·96 5 Ji	23	·49 7 Au	22	·02	
4949 1905 1770 11A	·1651	21-9954	0-452	1848 7	5 Ap	15	·26	6 My 14	·79 2 Ji	12	·85 4 Au	11	·38 5 S	9	·92	
4949 1905 1770 11A	·1651	21-9954	0-452	1848 7	4 My	3	·16	5 Je 1	·69 7 Ji	1	·22 1 Ji	30	·75 3 Au	29	·28	
4950 1906 1771 11A	·4238	11-1037	24-164	1849 2	1 Ap	22	·53	3 My 22	·06 4 Je	20	·59 6 Ji	20	·12 7 Au	18	·65	
4951 1907 1772 11A	·6826	0-2120	20-321	1850 3	5 Ap	11	·89	1 Je 9	·96 3 Ji	9	·49 5 Au	8	·02 6 S	6	·55	
4952 1908 1773 11A	·9413	18-8509	18-454	1851 4	7 My	11	·42	3 My 31	·16 2 Je	29	·69 4 Ji	29	·22 5 Au	27	·75	
4953 1909 1774 11A	·2001	7-9592	14-612	1852 5	4 Ap	30	·79	6 My 30	·32 7 Je	28	·85 2 Ji	28	·38 3 Au	26	·91	
4954 1910 1775 11A	·4589	26-5981	12-745	1853 7	2 Ap	19	·16	3 My 18	·69 5 Je	17	·22 6 Ji	16	·75 4 Au	15	·28	
4955 1911 1776 11A	·7176	15-7064	8-902	1854 1	1 My	8	·06	2 Je 6	·59 4 Ji	6	·12 5 Au	4	·65 7 S	3	·18	
4956 1912 1777 11A	·9764	4-8147	5-060	1855 2	5 Ap	27	·42	6 My 26	·95 1 Je	25	·48 3 Ji	25	·01 4 Au	23	·55	
4957 1913 1778 11A	·2351	22-4535	3-193	1856 3	2 Ap	16	·79	4 My 16	·32 5 Je	14	·85 1 Au	12	·91 3 S	11	·44	
4957 1913 1778 11A	·2351	22-4535	3-193	1856 3	1 My	4	·69	3 Je 3	·22 4 Ji	2	·75 6 Au	1	·28 7 Au	30	·81	
4958 1914 1779 11A	·4939	12-5618	26-905	1857 5	6 Ap	24	·06	7 My 23	·59 2 Je	22	·12 3 Ji	21	·65 5 Au	20	·18	
4959 1915 1780 11A	·7526	1-6701	23-062	1858 6	3 Ap	13	·42	4 My 12	·95 1 Ji	11	·01 2 Au	9	·54 4 S	8	·08	



Surya Siddhanta.

+ 147.65293	+ 177.18353	+ 206.71411	+ 236.24470	+ 265.77529	+ 295.30588	{ +324.83647 +354.36705 +21.736 +23.712		
+ 9.880	+ 11.856	+ 13.832	+ 15.808	+ 17.784	+ 19.760			
Asvina	Kartika	Margasira	A.D.	Pausha	A.D.	Magha	Phalguna	Chaitra
Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction		Week-day Month Day Fraction		Week-day Month Day Fraction	Week-day Month Day Fraction	Week-day Month Day Fraction
1 S 19 ⁰ .33 7 O 7 .23	2 O 18 .86 1 N 5 .76	4 N 17 .39 3 D 5 .29	21	5 D 16 .92 4 Jr 8 .82	20	7 Jr 15 .45 6 F 2 .35	1 F 13 .98 7 Mr 3 ⁰ .88	3 Mr 14 ⁰ .52 2 Ap 2 .41
4 S 26 .60 1 S 15 .96 3 O 15 .49 7 O 4 .86	6 O 26 .13 5 N 14 .02	7 N 24 .66 6 D 13 .56		2 D 24 .19 5 Jr 1 ⁰ .45	22	3 Jr 22 ⁰ .72 1 Jr 12 ⁰ .09	5 F 21 .25 2 F 10 ⁰ .62	6 Mr 22 .78 4 Mr 12 .15 5 Ap 10 .68 3 Mr 30 .04
5 S 23 .23 4 O 12 .18	2 N 3 .39 5 N 22 .76 10 ⁰ .66	3 D 2 .92 1 N 21 .29 7 D 10 .19	24	2 D 20 ⁰ .82 1 Jr 8 .72	25	6 Jr 30 .98 4 Jr 19 .35	1 F 29 .51 5 F 17 .88	7 Mr 19 .41 6 Ap 7 .31
1 O 1 .49 5 S 20 .86 4 O 8 ⁰ .76	3 O 31 ⁰ .02 7 O 20 ⁰ .39 6 N 7 .29	4 N 29 .55 1 N 18 .92 7 D 6 .82	29	6 D 29 .08 3 D 18 .45 2 Jr 5 .35	27	7 Jr 27 .62 4 Jr 16 .98	2 F 26 .15 6 F 15 .51	3 Mr 27 .68 1 Mr 16 .04 6 Ap 3 .94
2 S 28 ⁰ .12 6 S 17 .49 5 O 6 .39	3 O 27 .66 1 O 17 .02 6 N 4 .92	5 N 26 .19 2 N 15 .55 1 D 4 .45	32	6 D 25 .72 4 D 15 .08 2 Jr 2 .98	30	1 Jr 24 .25 5 Jr 13 .61	2 F 22 ⁰ .78 7 F 12 ⁰ .14	4 Mr 24 .31 1 Mr 13 .68 7 Mr 31 .57
2 S 24 .76 1 O 13 .65	4 O 24 .29 3 N 12 .18	5 N 22 .82 4 D 11 ⁰ .72	34	7 D 22 ⁰ .35 6 Jr 10 .25	33	1 Jr 20 .88 7 F 8 .78	3 F 19 .41 2 Mr 10 .31	4 Mr 20 .94 3 Ap 8 .84
6 O 3 .02 3 S 22 .39 2 O 10 ⁰ .29	7 N 1 .55 4 O 21 .92 3 N 8 ⁰ .82	2 D 1 ⁰ .08 6 N 20 ⁰ .45 5 D 8 .35	37	3 D 30 .61 7 D 19 .98 6 Jr 6 .88	35	5 Jr 29 .14 2 Jr 18 .51	6 F 27 .67 4 F 17 .04	1 Mr 29 .20 5 Mr 17 .57 4 Ap 5 ⁰ .47
6 S 29 ⁰ .65 4 S 19 ⁰ .02 2 O 7 .92	1 O 29 .18 5 O 18 .55 4 N 6 .45	2 N 27 .71 7 N 17 .08 5 D 5 .98	40	4 D 27 .24 1 D 16 .61 7 Jr 4 .51	38	5 Jr 25 .78 3 Jr 15 .14	7 F 24 .31 4 F 13 .67	1 Mr 25 ⁰ .84 6 Mr 15 .20 5 Ap 2 .10
7 S 26 .28 4 S 15 .65 6 O 15 .18	1 O 25 .82 7 N 13 .71	3 N 24 .35 2 D 13 .24	42	4 D 23 .88 3 Jr 11 ⁰ .77	41	6 Jr 22 ⁰ .41 5 F 10 .30	7 F 20 .94 6 Mr 11 .84	2 Mr 22 .47 1 Ap 10 .37
3 O 4 .55 7 S 23 .92 6 O 11 .31	5 N 3 .08 2 O 23 .45 1 N 10 ⁰ .34	6 D 2 .61 3 N 21 ⁰ .98 2 D 9 .88	43	1 Jr 1 .14 5 D 21 ⁰ .51 4 Jr 8 .41	44	2 Jr 30 .67 7 Jr 20 .04	4 Mr 1 .20 1 F 18 .57	5 Mr 30 .73 3 Mr 19 .10 2 Ap 7 .00
4 O 1 .18 1 S 20 .55 7 O 9 ⁰ .45	5 O 30 ⁰ .71 3 O 20 ⁰ .08 1 N 7 .98	7 N 29 .24 4 N 18 .61 3 D 7 .51	48	1 D 28 .77 6 D 18 .14 5 Jr 6 .04	46	3 Jr 27 .30 7 Jr 16 .67	4 F 25 .83 2 F 15 .20	6 Mr 27 .36 3 Mr 16 ⁰ .73 2 Ap 3 .63
4 S 27 ⁰ .81 2 S 17 .13 1 O 6 .08	6 O 27 .34 3 O 16 .71 2 N 4 .61	7 N 25 .87 5 N 15 .24 4 D 4 .14	51	2 D 25 .40 6 D 14 .77 5 Jr 2 ⁰ .67	49	3 Jr 23 .94 1 Jr 13 .30	5 F 22 ⁰ .47 2 F 11 ⁰ .83	4 Mr 24 .00 7 Mr 13 .36 3 Ap 1 .26
5 S 25 .44 4 O 13 .34	6 O 24 .98 5 N 11 .87	1 N 23 .51 7 D 11 ⁰ .40	53	3 D 23 ⁰ .04 1 Jr 9 .93	52	4 Jr 21 .57 3 F 8 .46	6 F 20 .10 5 Mr 10 .00	7 Mr 20 .63 6 Ap 8 .53
1 O 2 .71 6 S 22 .08 4 O 10 ⁰ .97	3 N 1 .21 7 O 21 ⁰ .61 6 N 9 .50	4 N 30 .77 2 N 20 .14 1 D 9 .04	56	6 D 30 .30 3 D 19 .67 2 Jr 7 .57	54	7 Jr 28 .83 5 Jr 18 .20	2 F 27 .36 6 F 16 .73	3 Mr 28 .89 1 Mr 18 .26 7 Ap 5 ⁰ .16
2 S 29 ⁰ .34 6 S 18 ⁰ .71 5 O 7 .61	3 O 28 .87 1 O 18 .24 7 N 6 .14	5 N 27 .40 2 N 16 .77 1 D 5 .67	59	6 D 26 .93 4 D 16 .30 3 Jr 4 .20	57	1 Jr 25 .46 5 Jr 14 .83	2 F 23 .99 7 F 13 ⁰ .36	4 Mr 25 .52 1 Mr 14 ⁰ .89 7 Ap 2 .79

			Com- mence- ment of Solar Year.		First New-Moon in Solar Year.		Anomaly of first New-Moon.		A.D.		Vaisakha		Jyeshtha		Ashada		Sravana		Bhadrapada	
			Month and day A. D. Fraction of day.		Week-day of 1st January.		Week-day Month Day		Week-day Month Day		Week-day Month Day		Week-day Month Day		Week-day Month Day		Week-day Month Day		Week-day Month Day	
			Kaliyuga. Vikrama Era. Saka Era.		☉'s Anom col. 6		☉'s Anom col. 7		+ 29-53059		+ 59-06117		+ 88-59176		+ 118-12235					
4960	1916	1781	12A	0114	20-3090	21-195	1859	7	2 My	2	32	3 My	31	85	5 Je	30	38	6 Jl	29	91
4961	1917	1782	11A	2702	9-4173	17-352	1860	1	6 Ap	20	69	1 My	20	22	2 Je	18	75	4 Jl	18	28
4962	1918	1783	11A	5289	28-0562	15-487	1861	3	5 My	9	58	7 Je	8	12	1 Jl	7	65	3 Au	6	18
4963	1919	1784	11A	7877	17-1645	11-643	1862	4	2 Ap	28	95	4 My	28	48	6 Je	27	01	7 Jl	26	54
4964	1920	1785	12A	0464	6-2728	7-800	1863	5	7 Ap	18	32	1 My	17	35	3 Je	16	38	4 Jl	15	91
4965	1921	1786	11A	3052	24-9117	5-933	1864	6	6 My	6	22	7 Je	4	75	2 Jl	4	28	3 Au	2	81
4966	1922	1787	11A	5639	14-0200	2-091	1865	1	3 Ap	25	58	5 My	25	11	6 Je	23	64	1 Jl	23	18
4967	1923	1788	11A	8227	3-1283	25-803	1866	2	7 Ap	14	95	2 My	14	48	5 Jl	12	54	7 Au	11	07
4968	1924	1789	12A	0814	21-7672	23-936	1867	3	6 My	3	85	1 Je	2	38	2 Jl	1	91	4 Jl	31	44
4969	1925	1790	11A	3402	10-8755	20-093	1868	4	4 Ap	22	22	5 My	21	75	7 Je	20	28	1 Jl	19	81
4970	1926	1791	11A	5990	29-5144	16-250	1869	6	1 Ap	11	58	4 Je	9	64	6 Jl	9	17	7 Au	7	70
4971	1927	1792	11A	8577	13-6227	14-384	1870	7	7 Ap	30	48	2 My	30	01	3 Je	28	54	5 Jl	28	07
4972	1928	1793	12A	1165	7-7310	10-541	1871	1	4 Ap	19	85	6 My	19	38	7 Je	17	91	2 Jl	17	44
4973	1929	1794	11A	3752	26-3698	8-674	1872	2	3 My	7	74	5 Je	6	23	6 Jl	5	81	1 Au	4	34
4974	1930	1795	11A	6340	15-4781	4-831	1873	4	1 Ap	27	11	2 My	26	64	4 Je	25	17	5 Jl	24	70
4975	1931	1796	11A	8927	4-5864	0-989	1874	5	5 Ap	16	48	7 My	16	01	1 Je	14	54	4 Au	12	60
4976	1932	1797	12A	1515	23-2254	26-676	1875	6	4 My	5	38	5 Je	3	91	7 Jl	3	44	1 Au	1	97
4977	1933	1798	11A	4103	12-3336	22-834	1876	7	1 Ap	23	74	3 My	23	27	4 Je	21	80	6 Jl	21	84
4978	1934	1799	11A	6690	1-4419	18-991	1877	2	6 Ap	13	11	7 My	12	64	3 Jl	10	70	5 Au	9	23
4979	1935	1800	11A	9278	20-0808	17-124	1878	3	5 My	2	01	6 My	31	54	1 Je	30	07	2 Jl	29	60
4980	1936	1801	12A	1865	9-1891	13-281	1879	4	2 Ap	21	38	3 My	20	91	5 Je	19	44	6 Jl	18	97
4981	1937	1802	11A	4453	27-8280	11-415	1880	5	1 My	9	27	2 Je	7	80	4 Jl	7	33	5 Au	5	86
4982	1938	1803	11A	7040	16-9363	7-572	1881	7	5 Ap	28	64	7 My	28	17	1 Je	26	70	3 Jl	26	23
4983	1939	1804	11A	9628	6-0446	3-729	1882	1	3 Ap	18	01	4 My	17	54	6 Je	16	07	7 Jl	15	60
4984	1940	1805	12A	2216	24-6835	1-862	1883	2	1 My	6	90	3 Je	5	44	4 Jl	4	97	6 Au	3	50
4985	1941	1806	11A	4803	13-7918	25-574	1884	3	6 Ap	25	27	7 My	24	80	2 Je	23	33	3 Jl	22	86
4986	1942	1807	11A	7291	2-9008	21-732	1885	5	3 Ap	14	64	5 My	14	17	1 Jl	12	23	2 Au	10	76
4987	1943	1808	11A	9978	21-5390	19-865	1886	6	2 My	3	54	4 Je	2	07	5 Jl	1	60	7 Jl	31	13
4988	1944	1809	12A	2566	10-6473	16-022	1887	7	6 Ap	22	90	1 My	22	43	2 Je	20	96	4 Jl	20	50
4989	1945	1810	11A	5153	29-2862	14-155	1888	1	5 My	10	80	7 Je	9	33	1 Jl	8	86	3 Au	7	39
4990	1946	1811	11A	7741	18-3945	10-313	1889	3	3 Ap	30	17	4 My	29	70	6 Je	28	23	7 Jl	27	76
4991	1947	1812	12A	0328	7-5028	6-470	1890	4	7 Ap	19	54	2 My	19	07	3 Je	17	60	5 Jl	17	13
4992	1948	1813	12A	2916	26-1416	4-603	1891	5	6 My	8	43	7 Je	6	96	2 Jl	6	49	4 Au	5	02
4993	1949	1814	11A	5504	15-2499	0-760	1892	6	3 Ap	26	80	5 My	26	33	6 Je	24	86	1 Jl	24	39
4994	1950	1815	11A	8091	4-3582	24-472	1893	1	1 Ap	16	17	2 My	15	70	4 Je	14	23	7 Au	12	29
4995	1951	1816	12A	0679	22-9971	22-605	1894	2	7 My	5	06	1 Je	3	59	3 Jl	3	13	4 Au	1	66
4996	1952	1817	12A	3266	12-1054	18-763	1895	3	4 Ap	24	43	5 My	23	96	7 Je	22	49	2 Jl	22	02
4997	1953	1818	11A	6854	1-2137	14-920	1896	4	1 Ap	12	80	3 My	12	33	6 Jl	10	39	7 Au	8	92
4998	1954	1819	11A	8441	19-8526	13-053	1897	6	7 My	1	70	2 My	31	23	3 Je	29	76	5 Jl	29	29


$$\begin{array}{cccccc} + 147.65293 & + 177.18353 & + 206.71411 & + 236.24470 & + 265.77529 & + 295.30588 & \left\{ \begin{array}{l} + 324.83647 \\ + 354.36705 \end{array} \right. \\ + 9.880 & + 11.856 & + 13.832 & + 15.808 & + 17.784 & + 19.760 & \left\{ \begin{array}{l} + 21.736 \\ + 23.712 \end{array} \right. \end{array}$$

Asvina				Kartika				Margasira				A.D.	Pausha				A.D.	Magha				Phalguna				Chaitra			
Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction		Week-day	Month	Day	Fraction		Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
2 S	26	·97	4 O	26	·50	6 N	25	·03					7 D	24	·56	60		2 Jr	23O	·10	3 F	21	·63	5 Mr	22	·16			
7 S	15	·34	3 N	13	·40	4 D	12	·93	61				6 Jr	11●	·46			7 F	9	·99	2 Mr	11	·52	4 Ap	10	·05			
1 O	14	·87																											
6 O	4	·24	7 N	2	·77	2 D	2O	·30					3 D	31	·83	62		5 Jr	30	·36	6 F	28	·89	1 Mr	30	·42			
3 S	23	·60	5 O	23	·14	6 N	21O	·67					1 D	21●	·20	63		2 Jr	19	·73	4 F	18	·26	5 Mr	19	·79			
2 O	12	·50	4 N	11O	·03	5 D	10	·56	64				7 Jr	9	·09			1 F	7	·62	3 Mr	8	·16	4 Ap	6	·69			
6 S	30	·87	1 O	30	·40	2 N	28	·93					4 D	28	·46	65		5 Jr	26	·99	7 F	25	·52	2 Mr	27O	·05			
4 S	20O	·24	5 O	19	·77	7 N	18	·30					1 D	17	·83	66		3 Jr	16	·36	4 F	14	·89	6 Mr	16O	·42			
3 O	9	·13	4 N	7	·66	6 D	7	·20	67				7 Jr	5	·73			2 F	4	·26	3 Mr	5●O	·79	5 Ap	4	·32			
7 S	28	·50	2 O	28	·03	3 N	26	·56					5 D	26	·09	68		6 Jr	24	·62	1 F	23	·15	2 Mr	23	·69			
4 S	16	·87	6 O	16	·40	7 N	14	·93					2 D	14	·46	69		3 Jr	12O	·99	5 F	11	·52	7 Mr	13	·05			
3 O	5	·77	5 N	4	·30	6 D	3	·83	70				1 Jr	2O	·36			2 Jr	31	·89	4 Mr	2	·42	5 Mr	31	·95			
1 S	25	·13	2 O	24	·66	4 N	23	·19					5 D	22O	·72	71		7 Jr	21	·26	1 F	19	·79	3 Mr	21	·32			
7 O	14	·03	1 N	12	·56	3 D	12●	·09	72				4 Jr	10	·62			6 F	9	·15	7 Mr	9	·68	2 Ap	8	·21			
4 O	2	·40	5 O	31O	·93	7 N	30	·46					1 D	29	·99	73		3 Jr	28	·52	5 F	27	·05	6 Mr	28	·58			
1 S	21	·76	3 O	21O	·30	4 N	19	·83					6 D	19	·36	74		7 Jr	17	·89	2 F	16	·42	3 Mr	17	·95			
7 O	10●O	·66	2 N	9	·19	3 D	8	·72	75				5 Jr	7	·25			6 F	5	·78	1 Mr	7	·31	2 Ap	5●	·85			
5 S	30●	·03	6 O	29	·56	1 N	28	·09					2 D	27	·62	76		4 Jr	26	·15	5 F	24O	·68	7 Mr	25	·21			
2 S	18	·40	3 O	17	·93	5 N	16	·46					6 D	15	·99	77		1 Jr	14	·52	3 F	13O	·05	4 Mr	14●	·58			
1 O	7	·29	2 N	5	·82	4 D	5	·36	78				5 Jr	3	·89			7 F	2O	·42	1 Mr								



TABLE K-

Kalyuga.	Vikrama Era.	Saka Era.	Month and day A.D.	Fraction of day.	Com-mence-ment of Solar Year.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.	Week-day of 1st January.	Vaisakha	Jyeshtha	Ashada	Shravana	Bhadrapada							
										Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
4999	1955	1820	12A	1029	8-9609	9-210	1898	7	5 Ap 21	06	6 My 20	59	1 Je 19	12	2 Ji 18	65	4 Au 17	19			
5000	1956	1821	12A	3617	27-5998	7-344	1899	1	3 My 9	96	5 Je 8	49	7 Ji 8	02	1 Au 6	55	3 S 5	08			
5001	1957	1822	12A	6204	16-7081	3-504	1900	2	1 Ap 29	33	2 My 28	86	4 Je 27	39	5 Ji 26	92	7 Au 25	15			
5002	1958	1823	12A	8792	5-8164	27-215	1901	3	5 Ap 18	69	7 My 18	23	1 Je 16	76	4 Au 14	82	2 S 13	35			
5003	1959	1824	13A	1379	24-4553	25-349	1902	4	4 My 7	59	6 Je 6	12	7 Ji 5	65	2 Au 4	18	3 S 2	71			
5004	1960	1825	13A	3967	13-5636	21-506	1903	5	1 Ap 26	96	3 My 26	49	5 Je 25	02	6 Ji 24	55	1 Au 23	08			
5005	1961	1826	12A	6554	2-6719	17-663	1904	6	6 Ap 15	33	7 My 14	86	3 Ji 12	92	5 Au 11	45	6 S 9	98			
5006	1962	1827	12A	9142	21-3107	15-796	1905	1	5 My 4	22	6 Je 2	75	1 Ji 2	29	2 Ji 31	82	4 Au 30	35			
5007	1963	1828	12A	1729	10-4190	11-934	1906	2	2 Ap 23	59	4 My 23	12	5 Je 21	65	7 Ji 21	18	1 Au 19	71			
5008	1964	1829	13A	4317	29-0579	10-087	1907	3	1 My 12	49	3 Je 11	02	4 Ji 10	55	6 Au 9	08	7 S 7	61			
5009	1965	1830	12A	6905	18-1662	6-244	1908	4	5 Ap 30	86	7 My 30	39	1 Je 28	92	3 Ji 28	45	4 Au 26	98			
5010	1966	1831	12A	9492	7-7245	2-401	1909	6	3 Ap 20	22	4 My 19	75	6 Je 18	28	7 Ji 17	81	3 S 14	88			
5011	1967	1832	13A	2080	25-9134	0-535	1910	7	2 My 9	12	3 Je 7	65	5 Ji 7	18	6 Au 5	71	1 S 4	24			
5012	1968	1833	13A	4667	15-0217	24-246	1911	1	6 Ap 28	49	1 My 28	02	2 Je 26	55	4 Ji 26	08	5 Au 24	61			
5013	1969	1834	12A	7255	4-1300	20-404	1912	2	3 Ap 16	85	5 My 16	39	6 Je 14	92	2 Au 12	98	4 S 11	51			
5014	1970	1835	12A	9842	22-7689	18-537	1913	4	2 My 5	75	4 Je 4	28	5 Ji 3	31	7 Au 2	34	1 Au 31	87			
5015	1971	1836	13A	2430	11-8772	14-694	1914	5	7 Ap 25	12	1 My 24	65	3 Je 23	18	4 Ji 22	71	6 Au 21	24			
5016	1972	1837	13A	5018	0-9855	10-851	1915	6	4 Ap 14	49	7 Je 12	55	2 Ji 12	08	3 Au 10	61	5 S 9	14			
5017	1973	1838	12A	7605	19-6244	8-985	1916	7	6 My 14	02	3 My 2	38	4 My 31	91	6 Je 30	45	7 Ji 29	98			
5018	1974	1839	13A	0193	8-7327	5-142	1917	2	7 Ap 21	75	2 My 21	28	3 Je 19	81	5 Ji 19	34	6 Au 18	87			
5019	1975	1840	13A	2780	27-3715	3-275	1918	3	6 My 10	65	1 Je 9	18	2 Ji 8	71	4 Au 7	24	5 S 5	77			
5020	1976	1841	13A	5368	16-4798	26-987	1919	4	4 Ap 30	02	5 My 29	55	7 Je 28	08	1 Ji 27	61	3 Au 26	14			
5021	1977	1842	12A	7955	5-5881	23-144	1920	5	1 Ap 18	38	2 My 17	91	4 Je 16	44	5 Ji 15	97	2 S 13	04			
5022	1978	1843	13A	0543	24-2270	21-278	1921	7	7 My 7	28	1 Je 5	81	3 Ji 5	34	4 Au 3	87	6 S 2	40			
5023	1979	1844	13A	3130	13-3853	17-435	1922	1	4 Ap 26	65	6 My 26	18	7 Je 24	71	2 Ji 24	24	3 Au 22	77			
5024	1980	1845	13A	5718	2-4436	13-592	1923	2	4 Ap 16	01	3 My 15	55	6 Ji 13	61	1 Au 12	14	2 S 10	67			
5025	1981	1846	12A	8306	21-0825	11-725	1924	3	7 My 3	91	2 Je 2	44	3 Ji 1	97	5 Ji 31	50	7 Au 30	03			
5026	1982	1847	13A	0893	10-1908	7-883	1925	5	5 Ap 23	28	6 My 22	81	1 Je 21	34	2 Ji 20	87	4 Au 19	40			
5027	1983	1848	13A	3481	28-8297	6-016	1926	6	4 My 12	18	5 Je 10	71	7 Ji 10	24	1 Au 8	77	3 S 7	30			
5028	1984	1849	13A	6068	17-9280	2-173	1927	7	1 My 1	54	3 My 31	07	4 Je 29	61	6 Ji 29	14	7 Au 27	67			
5029	1985	1850	12A	8656	7-0463	25-885	1928	1	5 Ap 19	91	7 My 19	44	1 Je 17	97	3 Ji 17	50	6 S 14	86			
5030	1986	1851	13A	1243	25-9852	24-018	1929	3	4 My 8	81	6 Je 7	34	7 Ji 6	87	2 Au 5	40	3 S 3	93			
5031	1987	1852	13A	3831	11-7935	20-175	1930	4	2 Ap 28	18	3 My 27	71	5 Je 26	24	6 Ji 25	77	1 Au 24	30			
5032	1988	1853	13A	6419	3-9018	16-333	1931	5	6 Ap 17	54	1 My 17	07	2 Je 15	60	5 Au 13	67	7 S 12	20			
5033	1989	1854	12A	9006	22-5406	14-467	1932	6	5 My 5	44	6 Je 3	97	1 Ji 3	60	3 Au 2	03	4 Au 31	56			
5034	1990	1855	13A	1594	11-6489	10-623	1933	1	2 Ap 24	81	4 My 24	34	5 Je 22	87	7 Ji 22	40	1 Au 20	93			
5035	1991	1856	13A	4181	0-7572	6-780	1934	2	7 Ap 14	17	3 Je 12	24	4 Ji 11	77	6 Au 10	30	7 S 8	81			
5036	1992	1857	13A	6769	19-3962	4-914	1935	3	1 My 13	71	7 Je 1	60	2 Ji 10	13	3 Ji 30	66	5 Au 29	19			
5037	1993	1858	12A	9356	8-5044	1-071	1936	4	3 Ap 21	44	4 My 20	97	6 Je 19	50	1 Ji 19	03	2 Au 17	50			



Surya Siddhanta.

+ 14765293	+ 17718353	+ 20671411	+ 23624470	+ 26577529	+ 29530588	+ 32483647
+ 9880	+ 11856	+ 13832	+ 15808	+ 17784	+ 19760	+ 35436705
						+ 21736
						+ 23712

Asvina Kartika Margasira A.D. Pausha A.D. Magha Phalguna Chaitra

Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
5 S	15	72		1 N	13	78	3 D	13	31	99	4 Jr	11	84		6 F	10	37	7 Mr	11	90	2 Ap	10	43								
7 O	15	25									2 Jr	1	21	00	3 Jr	30	74	5 Mr	1	27	6 Mr	30	80								
4 O	4	61	6 N	3	14	7 D	20	67	19		6 D	21	57	01	1 Jr	20	10	2 F	18	63	4 Mr	20	16								
1 S	23	98	3 O	23	51	5 N	22	04			5 Jr	9	47		7 F	8	00	1 Mr	9	53	3 Ap	8	06								
7 O	12	88	2 N	11	41	3 D	10	94	02						4 Jr	28	37	5 F	26	90	7 Mr	28	043								
5 O	20	25	6 O	31	78	1 N	30	31			2 D	29	84	03	1 Jr	17	73	3 F	16	27	4 Mr	16	80								
2 S	21	61	4 O	21	14	5 N	19	67			7 D	19	20	04	7 F	4	63	2 Mr	6	16	3 Ap	4	69								
1 O	9	51	3 N	8	04	4 D	7	57	05		6 Jr	6	10																		
5 S	28	88	7 O	28	41	1 N	26	94			3 D	26	47	06	5 Jr	25	00	6 F	23	53	1 Mr	25	06								
3 S	18	24	4 O	17	77	6 N	16	31			7 D	15	84	07	2 Jr	14	37	3 F	12	90	5 Mr	14	43								
2 O	7	14	3 N	5	67	5 D	5	20	08		6 Jr	3	73		1 F	2	26	2 Mr	2	79	4 Ap	1	33								
6 S	25	51	1 O	25	04	2 N	23	57			4 D	23	10	09	5 Jr	21	63	7 F	20	16	1 Mr	21	69								
5 O	14	41	6 N	12	94	1 D	12	47	10		3 Jr	11	00		4 F	9	53	6 Mr	11	06	7 Ap	9	59								
2 O	3	77	4 N	2	30	5 D	1	83			7 D	31	37	11	1 Jr	29	90	3 F	28	43	4 Mr	29	96								
7 S	23	14	1 O	22	67	3 N	21	20			4 D	20	73	12	6 Jr	19	26	7 F	17	79	2 Mr	18	32								
6 O	11	04	7 N	9	57	2 D	9	10	13		3 Jr	7	63		5 F	6	16	6 Mr	7	69	1 Ap	6	22								
3 S	30	41	4 O	29	94	6 N	28	17			1 D	28	00	14	2 Jr	26	53	4 F	25	06	5 Mr	26	59								
7 S	19	77	2 O	19	30	3 N	17	83			5 D	17	36	15	6 Jr	15	89	1 F	14	43	2 Mr	15	96								
6 O	8	67	1 N	7	20	2 D	6	73	16		4 Jr	5	26		5 F	3	79	7 Mr	4	32	1 Ap	2	85								
4 S	27	04	5 O	26	57	7 N	25	10			1 D	24	63	17	3 Jr	23	16	4 F	21	69	6 Mr	23	22								
2 O	15	93	4 N	14	47	6 D	14	00	18		7 Jr	12	53		2 F	11	06	3 Mr	12	59	5 Ap	11	12								
7 O	5	30	1 N	3	83	3 D	3	36	19		4 Jr	1	89		6 Jr	31	42	7 Mr	1	95	2 Mr	31	49								
4 S	24	67	6 O	24	20	7 N	22	73			2 D	22	26	20	3 Jr	20	79	5 F	19	32	6 Mr	19	85								
3 O	12	57	5 N	11	10	6 D	10	63	21		1 Jr	9	16		2 F	7	69	4 Mr	9	32	5 Ap	7	76								
7 O	1	93	2 O	31	46	3 N	29	99			5 D	29	53	22	7 Jr	28	06	1 F	26	59	3 Mr	28	12								
5 S	21	30	6 O	20	83	1 N	19	36			2 D	18	89	23	4 Jr	17	42	5 F	15	95	7 Mr	17	48								
4 O	10	20	5 N	8	73	7 D	8	26	24		1 Jr	6	79		3 F	5	32	4 Mr	5	85	6 Ap	4	38								
1 S	28	57	3 O	28	10	4 N	26	63			6 D	26	16	25	7 Jr	24	69	2 F	23	22	3 Mr	24	75								
5 S	17	93	7 O	17	46	1 N	15	99			3 D	15	52	26	5 Jr	14	05	6 F	12	59	1 Mr	14	12								
4 O	6	83	6 N	5	36	7 D	4	89	27		2 Jr	3	42		3 F	1	95	5 Mr	3	48	7 Ap	2	01								
2 S	26	20	3 O	25	73	5 N	24	26			6 D	23	79	28	1 Jr	22	32	2 F	20	85	4 Mr	21	38								
1 O	14	09	2 N	12	63	4 D	12	16	29		5 Jr	10	69		7 F	9	22	1 Mr	10	75	3 Ap	9	28								
5 O	3	16	6 N	1	99	1 D	1	52			3 D	31	05	30	4 Jr	29	58	6 F	28	11	7 Mr	29	65								
2 S	22	83	4 O	22	36	5 N	20	89			7 D	20	42	31	1 Jr	18	95	3 F	17	48	5 Mr	19	01								
1 O	11	73	3 N	10	26	4 D	9	79	32		6 Jr	8	32		7 F	6	85	2 Mr	7	38	3 Ap	5	91								
6 S	30	09	7 O	29	62	2 N	28	15			3 D	27	69	33	5 Jr	26	22	6 F	24	75	1 Mr	26	28								
3 S	19	46	4 O	18	99	6 N	17	52			1 D	17	05	34	2 Jr	15	58	4 F	14	11	5 Mr	15	64								
2 O	8	36	3 N	6	89	5 D	6	42	35		6 Jr	4	05		1 F	3	48	3 Mr	5	01	4 Ap	3	54								
6 S	27	73	1 O	27	26	2 N	25	79			4 D	25	32	36	5 Jr	23	85	7 F	22	38	1 Mr	22	91								
5 O	15	62	7 N	14	15	1 D	13	68	37		3 Jr	12	21		4 F	10	75	6 Mr	12	28	7 Ap	10	81								

NOTE.—From 1900 A.D. to 1999 A.D. all eclipses of the Sun, visible anywhere in the world, are shown. From 1 B.C. to 300 A.D. the same observation applies. Between 300 A.D. and 1900 A.D. only those eclipses of the Sun which are visible in India are entered in this table.

Kaliyuga.	Vikrama Era.	Saka Era.	Month and day A.D.	Fraction of day.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	☉'s Anom col. 6		+ 29-53059		+ 59-06117		+ 88-59176		+ 118-12235									
							☾'s Anom col. 7		+ 1-976		+ 3-952		+ 5-928		+ 7-904									
							A.D.		Vaisakha		Jyeshtha		Ashada		Shravana		Bhadrapada							
							Week-day	Month	Week-day	Month	Week-day	Month	Week-day	Month	Week-day	Month	Week-day	Month						
Week-day of 1st January.														Day	Fraction	Day	Fraction	Day	Fraction	Day	Fraction	Day	Fraction	
5038	1994	1859	13A	1944	27-1433	26-759	1937	6	2 My	10	34	3 Je	8	87	5 Jl	8	40	6 Au	6	93	1 S	5	46	
5039	1995	1860	13A	4531	16-2516	22-916	1938	7	6 Ap	29	70	1 My	29	23	2 Je	27	77	4 Jl	27	30	5 Au	25	83	
5040	1996	1861	13A	7119	5-3599	19-073	1939	1	4 Ap	19	07	5 My	18	60	7 Je	17	13	1 Jl	16	66	4 S	13	72	
														{ 3 Au 15		19								
5041	1997	1862	12A	9707	23-9988	17-207	1940	2	2 My	6	97	4 Je	5	50	6 Jl	5	03	7 Au	3	56	2 S	2	09	
5042	1998	1863	13A	2294	13-1071	13-364	1941	4	7 Ap	26	34	1 My	25	87	3 Je	24	40	4 Jl	23	93	6 Au	22	46	
5043	1999	1864	13A	4882	2-2154	9-521	1942	5	4 Ap	15	70	6 My	15	23	2 Jl	13	29	3 Au	11	83	5 S	10	36	
														{ 7 Je 13		76								
5044	2000	1865	13A	7469	20-8543	7-654	1943	6	3 My	4	60	5 Je	3	13	6 Jl	2	66	1 Au	10	19	2 Au	30	72	
5045	2001	1866	13A	0057	9-9626	3-812	1944	7	7 Ap	22	97	2 My	22	50	4 Je	21	03	5 Jl	20	56	7 Au	19	09	
														{ 6 Jl 14		82								
5046	2002	1867	13A	2644	28-6614	1-845	1945	2	6 My	11	86	1 Je	10	39	2 Jl	9	93	4 Au	8	46	5 S	6	99	
5047	2003	1868	13A	5232	17-7097	25-657	1946	3	4 My	1	23	5 My	30	76	7 Je	29	29	1 Jl	28	82	3 Au	27	35	
5048	2004	1869	13A	7820	6-8180	21-814	1947	4	1 Ap	20	60	3 My	20	13	4 Je	18	66	6 Jl	18	19	2 S	15	25	
														{ 7 Au 16		72								
5049	2005	1870	13A	0407	25-4569	19-947	1948	5	7 My	8	50	2 Je	7	03	3 Jl	6	56	5 Au	5	09	6 S	3	62	
5050	2006	1871	13A	2995	14-6652	16-104	1949	7	4 Ap	27	86	6 My	27	39	7 Je	25	92	2 Jl	25	45	3 Au	23	99	
5051	2007	1872	13A	5582	3-6735	12-262	1950	1	2 Ap	17	23	3 My	16	76	5 Je	15	29	1 Au	13	35	2 S	11	08	
														{ 6 Jl 14		82								
5052	2008	1873	13A	8170	22-3124	10-395	1951	2	1 My	6	13	2 Je	4	66	4 Jl	4	19	5 Au	2	72	7 S	1	25	
5053	2009	1874	13A	0757	11-4207	6-552	1952	3	5 Ap	24	49	7 My	24	03	1 Je	22	56	3 Jl	22	09	4 Au	20	62	
5054	2010	1875	13A	3345	0-5290	2-709	1953	5	2 Ap	13	86	5 Je	11	92	7 Jl	11	00	45	1 Au	9	98	3 S	8	51
														{ 4 My 13		39								
5055	2011	1876	13A	5933	19-1679	0-843	1954	6	1 My	2	76	3 Je	1	29	4 Je	30	00	82	6 Jl	30	35	7 Au	28	88
5056	2012	1877	13A	8520	8-2762	24-554	1955	7	6 Ap	22	13	7 My	21	66	2 Je	20	19	3 Jl	19	72	5 Au	18	25	
														{ 6 S 16		78								
5057	2013	1878	13A	1108	26-9151	22-688	1956	1	5 My	10	02	6 Je	8	55	1 Jl	8	09	2 Au	6	62	4 S	5	15	
5058	2014	1879	13A	3695	16-0234	13-845	1957	3	2 Ap	29	39	3 My	28	92	5 Je	27	45	6 Jl	26	98	1 Au	25	51	
5059	2015	1880	13A	6283	5-1317	15-002	1958	4	6 Ap	18	00	1 My	18	29	2 Je	16	82	4 Jl	16	35	7 S	13	41	
														{ 5 Au 14		88								
5060	2016	1881	13A	8870	23-7705	13-135	1959	5	5 My	7	66	7 Je	6	19	1 Jl	5	72	3 Au	4	25	4 S	20	78	
5061	2017	1882	13A	1458	12-8788	9-293	1960	6	3 Ap	26	02	4 My	25	55	6 Je	24	08	7 Jl	23	61	2 Au	22	15	
5062	2018	1883	13A	4045	1-9871	5-450	1961	1	7 Ap	15	39	1 My	14	92	4 Jl	12	98	6 Au	11	51	1 S	10	04	
														{ 3 Je 13		45								
5063	2019	1884	13A	6633	20-6260	3-583	1962	2	6 My	4	29	7 Je	2	82	2 Jl	2	35	3 Jl	31	88	5 Au	30	41	
5064	2020	1885	13A	9221	9-7343	27-295	1963	3	3 Ap	23	65	5 My	23	19	6 Je	21	00	72	1 Jl	21	25	2 Au	19	78
														{ 4 Je 10		08								
5065	2021	1886	13A	1808	28-3732	25-429	1964	4	2 My	11	55	4 Je	10	08	5 Jl	9	61	7 Au	8	14	1 S	6	67	
5066	2022	1887	13A	4396	17-4815	21-586	1965	6	6 Ap	30	92	1 My	30	45	2 Je	28	98	4 Jl	28	51	6 Au	27	04	
5067	2023	1888	13A	6983	6-5898	17-748	1966	7	4 Ap	20	29	5 My	19	82	7 Je	18	35	1 Jl	17	88	4 S	14	94	
														{ 3 Au 16		41								
5068	2024	1889	13A	9571	25-2287	15-876	1967	1	3 My	9	18	4 Je	7	71	6 Jl	7	25	7 Au	5	78	2 S	4	31	
5069	2025	1890	13A	2158	14-3370	12-031	1968	2	7 Ap	27	55	2 My	27	08	3 Je	25	61	5 Jl	25	14	6 Au	23	67	
5070	2026	1891	13A	4746	3-4453	8-191	1969	4	4 Ap	16	92	6 My	16	45	7 Je	14	98	4 Au	13	04	5 S	11	57	
														{ 2 Jl 14		51								
5071	2027	1892	13A	7334	22-0842	6-324	1970	5	3 My	5	82	5 Je	4	35	6 Jl	3	88	1 Au	20	41	2 Au	31	94	
5072	2028	1893	13A	9921	11-1925	2-481	1971	6	1 Ap	25	18	2 My	24	71	4 Je	23	24	5 Jl	22	00	77	7 Au	21	31
5073	2029	1894	13A	2509	0-3008	28-193	1972	7	5 Ap	13	55	1 Je	11	61	3 Jl	11	00	4 Au	9	67	6 S	8	20	
														{ 7 My 13		08								
5074	2030	1895	13A	5096	18-9396	24-326	1973	2	4 My	2	45	5 My	31	98	7 Je	30	51	2 Jl	30	04	3 Au	28	57	
5075	2031	1896	13A	7684	8-0179	20-483	1974	3	1 Ap	21	81	3 My	21	35	4 Je	19	88	6 Jl	19	41	7 Au	17	94	
														{ 2 S 16		47								

+ 147-65298	+ 177-18358	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-30588	+ 324-83647
+ 9-880	+ 11-856	+ 13-832	+ 15-808	+ 17-784	+ 19-760	+ 354-36705
						+ 21-736
						+ 23-712

Asvina Kartika Margasira A.D. Pausha A.D. Magha Phalgun Chaitra

Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction	Week-day	Month	Day	Fraction
2 O	4	99	4 N	3 O	52	6 D	3	05	38	7 Jr	1	58	3 Jr	31	11	3 Mr	1	64	5 Mr	31	17		
7 S	24	36	1 O	23 O	89	3 N	22	42		4 D	21	95	6 Jr	20	48	1 F	19	01	2 Mr	20	54		
6 O	13 O	25	7 N	11	79	2 D	11	32	40	3 Jr	9	85	5 F	8	38	6 Mr	8	91	1 Ap	7 O	44		
3 O	1	62	5 O	31	15	6 N	29	68		1 D	29	21	2 Jr	27	74	4 F	26 O	27	5 Mr	27	81		
7 S	20	99	2 O	20	52	4 N	19	05		5 D	18	58	7 Jr	17	11	1 F	15 O	64	3 Mr	17	17		
6 O	9	89	1 N	8	42	2 D	7	95	43	4 Jr	6	48	6 F	5	01	7 Mr	6	54	2 Ap	5	07		
4 S	29	25	5 O	28	78	7 N	27	31		1 D	26	85	4 Jr	25	38	4 F	23	91	6 Mr	24	44		
1 S	17	62	3 O	17	15	4 N	15	68		6 D	15 O	21	7 Jr	13	74	2 F	12	27	3 Mr	13	80		
7 O	6	52	2 N	5	05	3 D	4 O	58	46	5 Jr	3	11	6 F	1	64	1 Mr	3	17	3 Ap	1	70		
4 S	25	88	6 O	25	41	7 N	23 O	95		2 D	23	48	4 Jr	22	01	5 F	20	54	7 Mr	22	07		
3 O	14	78	5 N	13	31	6 D	12	84	48	1 Jr	11	37	2 F	9	90	4 Mr	10	43	5 Ap	8 O	97		
1 O	3 O	15	2 N	1	68	4 D	1	21		5 D	30	74	7 Jr	29	27	1 F	27	80	3 Mr	29 O	33		
5 S	22 O	52	7 O	22	05	1 N	20	68		3 D	20	11	4 Jr	18	64	6 F	17	17	7 Mr	18 O	70		
4 O	11	41	5 N	9	94	7 D	9	47	51	2 Jr	8	01	3 F	6	54	5 Mr	8	07	6 Ap	6	60		
1 S	30	78	3 O	30	31	4 N	28	84		6 D	28	37	7 Jr	26 O	90	2 F	25	43	3 Mr	26	96		
6 S	19	15	7 O	18	68	2 N	17	21		3 D	16	74	5 Jr	15 O	27	6 F	13	80	1 Mr	15	33		
5 O	8	05	6 N	6	58	1 D	6	11	54	2 Jr	4 O	64	4 F	3	17	5 Mr	4	70	7 Ap	3	23		
2 S	27	11	3 O	26	94	5 N	25	47		7 D	25	00	1 Jr	23	53	3 F	22	07	4 Mr	23	60		
1 O	16	31	2 N	14 O	84	4 D	14	37	56	5 Jr	12	90	7 F	11	43	1 Mr	11	96	3 Ap	10	49		
5 O	4	68	7 N	3 O	21	1 D	2	74	57	3 Jr	1	27	4 Jr	30	80	6 Mr	1	33	7 Mr	30	86		
3 S	24	04	4 O	23 O	57	6 N	22	10		7 D	21	64	2 Jr	20	17	3 F	18	70	5 Mr	20	23		
1 O	12	94	3 N	11	47	5 D	11	00	59	6 Jr	9	53	1 F	8	06	2 Mr	9 O	59	4 Ap	8	12		
6 O	2	31	7 O	31	84	2 N	30	37		3 D	29	90	5 Jr	28	43	6 F	26 O	96	1 Mr	27	49		
3 S	20	68	5 O	20	21	6 N	18	74		1 D	18	27	2 Jr	16	80	4 F	15 O	33	5 Mr	16	86		
2 O	9	57	4 N	8	10	5 D	7	63	62	7 Jr	6	17	1 F	4	70	3 Mr	6	23	4 Ap	4	76		
6 S	28	94	1 O	28	47	3 N	27	00		4 D	26 O	53	6 Jr	25	06	7 F	23	59	2 Mr	25	12		
4 S	18	31	7 N	16	37	1 D	15 O	90		7 Jr	2	80	3 Jr	14	43	4 F	12	96	6 Mr	13	49		
5 O	17	84								5 D	23	16	2 F	1	33	3 Mr	2	86	5 Ap	1	39		
3 O	6	21	4 N	4	74	6 D	4	27	65	5 D	23	16	6 Jr	21	69	1 F	20	23	2 Mr	21	76		
7 S	25	57	2 O	25	10	3 N	23	63		4 Jr	11	06	5 F	9	59	7 Mr	11	12	1 Ap	9 O	65		
6 O	14 O	47	1 N	13	00	2 D	12	53	67														
3 O	3 O	84	5 N	2	37	6 D	1	90		1 D	31	43	2 Jr	29	96	4 F	28	49	6 Mr	29 O	02		
1 S	22 O	20	2 O	21	73	4 N	20	27		5 D	19	80	7 Jr	18	33	1 F	16	86	3 Mr	18	39		
7 O	11	10	1 N	9	63	3 D	9	16	70	4 Jr	7	69	6 F	6 O	22	7 Mr	7	75	2 Ap	6	29		
4 S	30	47	6 O	30	00	7 N	28	53		2 D	28	06	3 Jr	26 O	59	5 F	25	12	6 Mr	26	65		
1 S	19	84	3 O	19	27	4 N	17	90		6 D	17	43	7 Jr	15 O	96	2 F	14	49	4 Mr	15	02		
7 O	7	73	2 N	6	26	3 D	5	79	73	5 Jr	4	33	6 F	2	86	1 Mr	4	39	2 Ap	2	92		
5 S	27	10	6 O	26	63	1 N	25 O	16		2 D	24	69	4 Jr	23	23	5 F	21	75	7 Mr	23	28		
4 O	16	00	5 N	14 O	53	7 D	14	06	75	1 Jr	12	59	3 F	11	12	4 Mr	12	65	6 Ap	11	18		



Kaliyuga.	Vikrama Era.	Saka Era.	Com- mence- ment of Solar Year.	First New-Moon in Solar Year.	Anomaly of first New-Moon.	A.D.	Week-day of 1st January.	Yaisakha	Jyeshtha	Ashada	Shravana	Bhadrapada
Month and day A.D.	Fraction of day.							Week-day Month Day	Fraction Week-day Month Day	Fraction Week-day Month Day	Fraction Week-day Month Day	Fraction Week-day Month Day
5076 2032 1897 14A	0271	26-6868 18-617	1975 4	7 My 10	071	2 Je 9	24 3 JI 8	77 5 Au 7	30 6 S 5	8		
5077 2033 1898 13A	2359	15-7951 14-774	1976 5	5 Ap 29	003	6 My 28	61 1 Je 27	14 2 JI 26	67 4 Au 25	2		
5078 2034 1899 13A	5447	4-9034 10-931	1977 7	2 Ap 18	45	3 My 17	98 { 5 Je 16	51 1 Au 14	57 3 S 13	0		
5079 2035 1900 13A	8034	23-5423 9-064	1978 1	1 My 7	34	2 Je 5	87 4 JI 5	41 5 Au 3	94 7 S 2	4		
5080 2036 1901 14A	0622	12-6506 5-222	1979 2	5 Ap 26	71	7 My 26	24 1 Je 24	77 3 JI 24	30 4 Au 22	8		
5081 2037 1902 13A	3209	1-7589 1-379	1980 3	3 Ap 15	08	4 My 14	61 7 JI 12	67 2 Au 11	20 3 S 9	7		
5082 2038 1903 13A	5797	20-3978 27-067	1981 5	1 My 3	98	3 Je 2	51 5 JI 20	04 6 JI 31	57 1 Au 20	1		
5083 2039 1904 13A	8384	9-5061 23-224	1982 6	6 Ap 23	34	7 My 22	87 2 Je 21	40 3 JI 20	93 5 Au 19	4		
5084 2040 1905 14A	0972	28-1450 21-357	1983 7	5 My 12	24	6 Je 10	77 1 JI 10	30 2 Au 8	83 4 S 7	3		
5085 2041 1906 13A	3559	17-2533 17-514	1984 1	2 Ap 30	61	4 My 30	14 5 Je 28	67 7 JI 28	20 1 Au 26	7		
5086 2042 1907 13A	6147	6-3616 13-672	1985 3	6 Ap 19	97	1 My 19	51 3 Je 18	04 { 4 JI 17	57 7 S 14	6		
5087 2043 1908 13A	8735	25-0004 11-805	1986 4	5 My 8	87	7 Je 7	40 1 JI 6	93 3 Au 5	46 4 S 3	9		
5088 2044 1909 14A	1322	14-1087 7-962	1987 5	3 Ap 28	24	4 My 27	77 6 Je 26	30 7 JI 25	83 2 Au 24	3		
5089 2045 1910 13A	3910	3-2170 4-119	1988 6	7 Ap 16	61	2 My 16	14 5 JI 14	20 6 Au 12	73 1 S 11	2		
5090 2046 1911 13A	6497	21-8559 2-253	1989 1	6 My 5	50	1 Je 4	03 2 JI 3	57 4 Au 20	10 5 Au 31	6		
5091 2047 1912 13A	9055	10-9612 25-965	1990 2	3 Ap 24	87	5 My 24	40 6 Je 22	93 1 JI 22	46 2 Au 20	9		
5092 2048 1913 14A	1672	0-0725 22-122	1991 3	1 Ap 14	24	4 Je 12	30 5 JI 11	83 7 Au 10	36 1 S 8	8		
5093 2049 1914 13A	4260	10-7114 20-255	1992 4	7 My 2	14	1 My 31	67 3 Je 30	20 4 JI 29	73 6 Au 28	2		
5094 2050 1915 13A	6848	7-8197 16-412	1993 6	4 Ap 21	50	6 My 21	03 7 Je 19	56 2 JI 19	09 { 3 Au 17	6		
5095 2051 1916 13A	9435	26-4586 14-546	1994 7	3 My 10	40	4 Je 8	93 6 JI 8	46 7 Au 6	99 2 S 5	5		
5096 2052 1917 14A	2023	15-5669 10-703	1995 1	7 Ap 29	77	2 My 29	30 3 Je 27	83 5 JI 27	36 6 Au 25	8		
5097 2053 1918 13A	4610	4-6752 6-860	1996 2	5 Ap 18	13	6 My 17	67 { 1 Je 16	20 4 Au 14	26 5 S 12	7		
5098 2054 1919 13A	7198	23-3141 4-993	1997 4	4 My 7	03	5 Je 5	56 7 JI 5	09 1 Au 3	62 3 S 2	1		
5099 2055 1920 13A	9785	12-4224 1-151	1998 5	1 Ap 26	40	2 My 25	93 4 Je 24	46 5 JI 23	99 7 Au 22	0		
5100 2056 1921 14A	2373	1-5307 24-862	1999 6	5 Ap 15	77	7 My 15	30 3 JI 13	36 4 Au 11	89 6 S 10	4		

TABLE X—A.

Distance of Sun from the Moon's Node at the Commencement of each Solar Year.

INCREASE FOR CENTURIES.

Christian Era.	Kaliyuga.	Days.		Christian Era.	Kaliyuga.	Days.		Yr.	Incr.
B.C.	1	3101	62-91	Modern figures	1000	4101	159-27	1	18-6
A.D.	100	3201	20-45	(less the	1100	4201	116-46	2	37-2
	200	3301	151-30	Sodhya of	1200	4301	72-44	3	55-9
	300	3401	109-18	Surya Siddhanta).	1300	4401	29-63	4	74-5
	400	3501	65-68		1400	4501	159-97	5	93-1
	500	3601	23-76	Arya Siddhanta	1500	4601	118-20	6	111-8
	600	3701	154-79	(less the	1600	4701	75-91	7	130-4
	700	3801	112-33	Sodhya of	1700	4801	33-45	8	149-0
	800	3901	70-04	Arya Siddhanta).	1800	4901	164-12	9	167-7
	900	4001	27-59		1900	5001	120-62	10	13-0

The Canons of Eclipses.

A Solar Eclipse is certain if ☉ from Node is between 0 and 15-598 or between 157-714 and 173-312 days.

" " doubtful " " " 15-771 " 18-198 " 157-541 " 185-114 "

" " impossible " " " 18-371 " 154-939 days.

Surya Siddhanta.

+ 147-65293	+ 177-18353	+ 206-71411	+ 236-24470	+ 265-77529	+ 295-80588	+ 324-83647		
+ 9-880	+ 11-856	+ 13-832	+ 15-808	+ 17-784	+ 19-760	+ 354-86705		
						+ 21-736		
						+ 23-712		
Āsṛina	Kartika	Margasira	A.D.	Pausha	A.D.	Magha	Phalguna	Chaitra
Week-day	Week-day	Week-day	Week-day	Week-day	Week-day	Week-day	Week-day	Week-day
Month	Month	Month	Month	Month	Month	Month	Month	Month
Day	Day	Day	Day	Day	Day	Day	Day	Day
Fraction	Fraction	Fraction	Fraction	Fraction	Fraction	Fraction	Fraction	Fraction
1 O 5	2 N 30	3 D 4	4 D 3	5 Jr 1	6 Jr 31	7 Jr 19	8 Jr 18	9 Jr 19
5 S 23	6 N 23	7 D 1	8 D 21	9 Jr 9	10 Jr 7	11 Jr 7	12 Jr 9	13 Jr 7
4 O 12	5 N 11	6 D 7	7 D 10	8 Jr 29	9 Jr 18	10 Jr 17	11 Jr 16	12 Jr 15
2 O 2	3 O 31	4 N 5	5 N 30	6 D 29	7 D 18	8 D 17	9 D 16	10 D 15
6 S 21	7 O 20	8 N 2	9 N 19	10 D 18	11 D 5	12 D 4	13 D 3	14 D 2
5 O 9	6 N 7	7 D 1	8 D 7	9 Jr 5	10 Jr 24	11 Jr 13	12 Jr 12	13 Jr 11
2 S 28	3 O 28	4 N 16	5 N 26	6 D 26	7 D 14	8 D 13	9 D 12	10 D 11
7 S 18	8 O 3 N	9 D 16	10 D 15	11 Jr 14	12 Jr 3	13 Jr 2	14 Jr 1	15 Jr 0
1 O 17	2 N 5	3 D 12	4 D 1	5 Jr 3	6 Jr 22	7 Jr 11	8 Jr 10	9 Jr 9
5 O 6	6 N 7	7 D 5	8 D 4	9 Jr 10	10 Jr 29	11 Jr 18	12 Jr 17	13 Jr 16
3 S 25	4 O 24	5 N 2	6 N 23	7 D 22	8 D 10	9 D 29	10 D 18	11 D 17
2 O 14	3 N 12	4 D 6	5 D 12	6 Jr 10	7 Jr 29	8 Jr 18	9 Jr 17	10 Jr 16
6 O 30	7 N 1	8 D 2	9 D 20	10 D 31	11 D 20	12 D 19	13 D 18	14 D 17
3 S 22	8 O 22	9 N 4	10 N 20	11 D 7	12 D 26	13 D 15	14 D 14	15 D 13
2 O 10	6 N 9	7 D 3	8 D 8	9 Jr 7	10 Jr 26	11 Jr 15	12 Jr 14	13 Jr 13
7 S 30	7 N 29	8 D 19	9 D 17	10 D 27	11 D 16	12 D 15	13 D 14	14 D 13
5 S 19	8 O 19	9 N 6	10 N 6	11 D 17	12 D 6	13 D 25	14 D 14	15 D 13
3 O 8	6 N 6	7 D 1	8 D 6	9 Jr 5	10 Jr 24	11 Jr 13	12 Jr 12	13 Jr 11
7 S 26	7 N 26	8 D 14	9 D 13	10 D 24	11 D 13	12 D 12	13 D 11	14 D 10
6 O 15	8 O 14	9 N 2	10 N 13	11 D 12	12 D 1	13 D 20	14 D 9	15 D 8
4 O 5	5 N 3	6 D 7	7 D 3	8 Jr 1	9 Jr 20	10 Jr 9	11 Jr 8	12 Jr 7
1 S 24	6 N 23	7 D 1	8 D 22	9 Jr 22	10 Jr 11	11 Jr 30	12 Jr 19	13 Jr 18
7 O 12	7 N 10	8 D 3	9 D 10	10 Jr 8	11 Jr 27	12 Jr 16	13 Jr 15	14 Jr 14
4 O 1	6 O 31	7 N 22	8 N 29	9 D 29	10 D 18	11 D 17	12 D 16	13 D 15
2 S 21	7 O 20	8 N 5	9 N 19	10 D 18	11 D 7	12 D 26	13 D 15	14 D 14
7 O 9	6 N 8	7 D 4	8 D 8	9 Jr 6	10 Jr 25	11 Jr 14	12 Jr 13	13 Jr 12

TABLE X—A.

Distance of Sun from the Moon's Node at the Commencement of each Solar Year.

INCREASE FOR ODD YEARS.

FOR ODD YEARS.

Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.	Yr. Increase.
days.	days.	days.	days.	days.	days.	days.	days.	days.	days.	days.
11 31-66	21 44-69	31 57-72	41 70-75	51 83-78	61 96-81	71 109-84	81 122-86	91 135-89	101 148-92	111 161-95
12 50-30	22 63-33	32 76-35	42 89-38	52 102-41	62 115-44	72 128-47	82 141-50	92 154-53	102 167-56	112 180-59
13 68-93	23 81-96	33 94-99	43 108-01	53 121-05	63 134-07	73 147-10	83 160-13	93 173-16	103 186-19	113 199-22
14 87-56	24 100-59	34 113-62	44 126-65	54 139-68	64 152-71	74 165-74	84 178-77	94 191-80	104 204-83	114 217-86
15 106-20	25 119-23	35 132-66	45 145-29	55 158-31	65 171-34	75 184-37	85 197-40	95 210-43	105 223-46	115 236-49
16 124-53	26 137-86	36 150-89	46 163-92	56 176-95	66 189-98	76 202-01	86 215-04	96 228-07	106 241-10	116 254-13
17 143-17	27 156-50	37 169-52	47 182-55	57 195-58	67 208-61	77 221-64	87 234-67	97 247-70	107 260-73	117 273-76
18 162-10	28 175-13	38 188-55	48 201-58	58 214-61	68 227-64	78 240-67	88 253-70	98 266-73	108 279-76	118 292-79
19 7-42	29 20-45	39 33-48	49 46-51	59 59-54	69 72-57	79 85-60	89 98-63	99 111-66	109 124-69	119 137-72
20 26-06	30 39-09	40 52-11	50 65-14	60 78-17	70 91-20	80 104-23	90 117-26	100 130-29	110 143-32	120 156-35

The Canons of Eclipses.

A Lunar Eclipse is certain if ☉ from Node is between 0 and 10-052 or between 153-260 and 173-812 days.
 " " doubtful " " 10-225 " 13-345 " 163-087 " 159-967 "
 " " impossible " " 13-518 " 159-794 days.

TABLE XI.—LONGEST INTERVAL IN DAYS FROM NEW-MOON TO ENDING MOMENT

The largest correction is—2.20890 for Nakshatras

NAKSHATRAS.

Names of Nakshatras.		Order	I Ordinarily Vaisakha	Order	II Ordinarily Jyeshtha	Order	III Ordinarily Ashada	Order	IV Ordinarily Shravana	Order	V Ordinarily Bhadrapada	Order	VI Ordinarily Ashvina	Order	VII Ordinarily Kartika	Order	VIII Ordinarily Margashira
Revati	...	27	0-1624	3	0-9892	5	0-8041	7	0-6190	9	0-4339	11	0-2489	13	0-0638	16	0-8906
Asvini	...	1	1-1743	4	2-0011	6	1-8160	8	1-6309	10	1-4459	12	1-2608	14	1-0757	17	1-9025
Bharani	...	2	2-1862	5	3-0130	7	2-8279	9	2-6428	11	2-4578	13	2-2727	15	2-0876	18	2-9144
Krittika	...	3	3-1981	6	4-0249	8	3-8398	10	3-6548	12	3-4697	14	3-2846	16	3-0995	19	3-9263
Rohini	...	4	4-2100	7	5-0368	9	4-8518	11	4-6667	13	4-4816	15	4-2965	17	4-1114	20	4-9383
Mrigasira	...	5	5-2219	8	6-0488	10	5-8637	12	5-6786	14	5-4935	16	5-3084	18	5-1233	21	5-9502
Ardra	...	6	6-2338	9	7-0607	11	6-8756	13	6-6905	15	6-5054	17	6-3203	19	6-1352	22	6-9622
Punarvasu	...	7	7-2458	10	8-0726	12	7-8875	14	7-7024	16	7-5173	18	7-3322	20	7-1472	23	7-9740
Pushya	...	8	8-2577	11	9-0845	13	8-8994	15	8-7143	17	8-5292	19	8-3442	21	8-1591	24	8-9859
Aslesha	...	9	9-2696	12	10-0964	14	9-9113	16	9-7262	18	9-5412	20	9-3561	22	9-1710	25	9-9978
Magha	...	10	10-2815	13	11-1083	15	10-9232	17	10-7382	19	10-5531	21	10-3680	23	10-1829	26	11-0097
Purna Phalguni	...	11	11-2934	14	12-1202	16	11-9352	18	11-7501	20	11-5650	22	11-3799	24	11-1948	27	12-0217
Uttara Phalguni	...	12	12-3053	15	13-1322	17	12-9471	19	12-7620	21	12-5769	23	12-3918	25	12-2067	1	13-0336
Hasta	...	13	13-3172	16	14-1441	18	13-9590	20	13-7739	22	13-5888	24	13-4037	26	13-2187	2	14-0455
Chittira	...	14	14-3292	17	15-1567	19	14-9709	21	14-7858	23	14-6007	25	14-4156	27	14-2306	3	15-0574
Svati	...	15	15-3411	18	16-1679	20	15-9828	22	15-7977	24	15-6126	26	15-4276	1	15-2425	4	16-0693
Visakha	...	16	16-3530	19	17-1798	21	16-9947	23	16-8096	25	16-6246	27	16-4395	2	16-2544	5	17-0812
Anuradha	...	17	17-3649	20	18-1917	22	18-0066	24	17-8216	26	17-6365	1	17-4514	3	17-2663	6	18-0933
Jyeshtha	...	18	18-3768	21	19-2036	23	19-0186	25	18-8335	27	18-6484	2	18-4633	4	18-2782	7	19-1051
Mula	...	19	19-3887	22	20-2156	24	20-0305	26	19-8454	1	19-6603	3	19-4752	5	19-2901	8	20-1170
Purva Ashada	...	20	20-4006	23	21-2275	25	21-0424	27	20-8573	2	20-6722	4	20-4871	6	20-3020	9	21-1289
Uttara Ashada	...	21	21-4126	24	22-2394	26	22-0543	1	21-8692	3	21-6841	5	21-4990	7	21-3140	10	22-1408
Shravana	...	22	22-4245	25	23-2513	27	23-0662	2	22-8811	4	22-6960	6	22-5110	8	22-3259	11	23-1527
Swastika or Danishtha	...	2															

TABLE XI—A. LONGEST INTERVAL IN DAYS, GHATIKAS AND RASAS

The largest correction for

NAKSHATRAS.

Names of Nakshatras.	Order	Ordinarily Vaisakha	Order	Ordinarily Jyeshtha	Order	Ordinarily Ashada	Order	Ordinarily Sravana	Order	Ordinarily Bhadrapada
		I		II		III		IV		V
		d. g. p.		d. g. p.		d. g. p.		d. g. p.		d. g. p.
Revati ...	27	0 9 45	3	0 59 21	5	0 48 15	7	0 37 8	9	0 26 2
Asvini ...	1	1 10 28	4	2 0 4	6	1 48 58	8	1 37 51	10	1 26 45
Bharani ...	2	2 11 10	5	3 0 47	7	2 49 41	9	2 38 34	11	2 27 28
Krittika (Tamil Kiruttigai) ...	3	3 11 53	6	4 1 30	8	3 50 23	10	3 39 17	12	3 28 11
Rohini ...	4	4 12 36	7	5 2 13	9	4 51 7	11	4 40 0	13	4 28 54
Mirgasira (Tamil Mirugasiram) ...	5	5 13 19	8	6 2 56	10	5 51 49	12	5 40 43	14	5 29 37
Anhira (Tamil arudra or Tiruvadirai) ...	6	6 14 2	9	7 3 39	11	6 52 32	13	6 41 26	15	6 30 20
Punarvasa ...	7	7 14 45	10	8 4 21	12	7 53 15	14	7 42 9	16	7 31 2
Pushya (Tamil Pusam) ...	8	8 15 28	11	9 5 4	13	8 53 58	15	8 42 52	17	8 31 45
Aslesha (Tamil Ayilyam) ...	9	9 16 11	12	10 5 47	14	9 54 41	16	9 43 34	18	9 32 28
Magha (Tamil Magham) ...	10	10 16 53	13	11 6 30	15	10 55 24	17	10 44 18	19	10 33 11
Purva Phalguni (Tamil Puram) ...	11	11 17 36	14	12 7 13	16	11 56 7	18	11 45 0	20	11 33 54
Uttara Phalguni (Tamil Uttiram) ...	12	12 18 19	15	13 7 56	17	12 56 50	19	12 45 43	21	12 34 37
Hasta (Tamil Hastam) ...	13	13 19 2	16	14 8 39	18	13 57 32	20	13 46 26	22	13 35 20
Chitra (Tamil Chittrai) ...	14	14 19 45	17	15 9 24	19	14 58 15	21	14 47 9	23	14 36 3
Svati ...	15	15 20 28	18	16 10 5	20	15 58 58	22	15 47 52	24	15 36 45
Visakha (Tamil Visakam) ...	16	16 21 11	19	17 10 47	21	16 59 41	23	16 48 35	25	16 37 20
Anuradha (Tamil Anusham) ...	17	17 21 54	20	18 11 30	22	18 0 24	24	17 49 18	26	17 38 11
Jyeshtha (Tamil Kettai) ...	18	18 22 37	21	19 12 13	23	19 1 7	25	18 50 1	27	18 38 54
Mula (Tamil Mulam) ...	19	19 23 19	22	20 12 56	24	20 1 50	26	19 50 44	1	19 39 37
Purva Ashada (Tamil Puradam) ...	20	20 24 2	23	21 13 39	25	21 2 33	27	20 51 26	2	20 40 20
Uttara Ashada (Tamil Uttiradam) ...	21	21 24 45	24	22 14 22	26	22 3 16	1	21 52 9	3	21 41 3
Sravana (Tamil Tiruvonam) ...	22	22 25 28	25	23 15 5	27	23 3 58	2	22 52 52	4	22 41 46
Sravishta or Danishta (Tamil Avittam) ...	23	23 26 11	26	24 15 48	1	24 4 41	3	23 53 35	5	23 42 29
Satabhisaj or Sataraka (Tamil Sadayam) ...	24	24 26 54	27	25 16 30	2	25 5 24	4	24 54 18	6	24 43 2
Purva Bhadrapada (Tamil Purattadi) ...	25	25 27 37	1	26 17 13	3	26 6 7	5	25 55 1	7	25 43 55
Uttara Bhadrapada (Tamil Uttirattadi) ...	26	26 28 20	2	27 17 56	4	27 6 50	6	26 55 44	8	26 44 37
Revati ...	27	27 29 2	3	28 18 39	5	28 7 33	7	27 56 27	9	27 45 20
	1	28 29 46	4	29 19 22	6	29 8 16	8	28 57 9	10	28 46 3
	2	29 30 29								

Names of Yogas.

Vaidhriti ...	27	0 18 8	5	0 53 57	9	0 33 17	13	0 12 38	18	0 48 27
Vishkamba ...	1	1 14 37	6	1 50 27	10	1 29 47	14	1 9 7	19	1 44 56
Prihi ...	2	2 11 6	7	2 46 56	11	2 26 16	15	2 5 36	20	2 41 26
Ayushmat ...	3	3 7 36	8	3 43 25	12	3 22 46	16	3 2 6	21	3 37 55
Saubhagya ...	4	4 4 5	9	4 39 55	13	4 19 15	17	3 58 35	22	4 34 24
Sobhana ...	5	5 0 35	10	5 36 24	14	5 15 44	18	4 55 4	23	5 30 54
Atiganda ...	6	5 57 4	11	6 32 54	15	6 12 13	19	5 51 34	24	6 27 23
Sukarman ...	7	6 53 33	12	7 29 23	16	7 8 43	20	6 48 3	25	7 23 53
Dhriti ...	8	7 50 3	13	8 25 52	17	8 5 12	21	7 44 32	26	8 20 22
Sula ...	9	8 46 32	14	9 22 21	18	9 1 42	22	8 41 2	27	9 16 51
Ganda ...	10	9 43 1	15	10 18 51	19	9 58 11	23	9 37 31	1	10 13 21
Vridhhi ...	11	10 39 31	16	11 15 20	20	10 54 40	24	10 34 1	2	11 9 50
Dhruva ...	12	11 36 0	17	12 11 50	21	11 51 10	25	11 30 30	3	12 6 19
Vyaghata ...	13	12 32 29	18	13 8 19	22	12 47 39	26	12 26 59	4	13 2 49
Harshana ...	14	13 28 59	19	14 4 48	23	13 44 9	27	13 23 28	5	13 58 53
Vajra ...	15	14 25 28	20	15 1 18	24	14 40 38	1	14 19 53	6	14 55 47
Siddhi ...	16	15 21 58	21	15 57 47	25	15 37 7	2	15 16 27	7	15 52 17
Vyatiyata ...	17	16 18 27	22	16 54 16	26	16 33 36	3	16 12 57	8	16 48 46
Variyas ...	18	17 14 56	23	17 50 46	27	17 30 6	4	17 9 26	9	17 45 16
Parigha ...	19	18 11 26	24	18 47 15	1	18 26 35	5	18 5 55	10	18 41 45
Siva ...	20	19 7 55	25	19 43 44	2	19 23 5	6	19 2 25	11	19 38 14
Siddha ...	21	20 4 24	26	20 40 14	3	20 19 34	7	19 58 54	12	20 34 44
Sadhya ...	22	21 0 54	27	21 36 43	4	21 16 3	8	20 55 94	13	21 31 13
Sobha ...	23	21 57 23	1	22 33 13	5	22 12 33	9	21 51 53	14	22 27 42
Sukla ...	24	22 53 53	2	23 29 42	6	23 9 2	10	22 48 22	15	23 24 12
Brahman ...	25	23 50 22	3	24 27 59	7	24 5 31	11	23 44 51	16	24 20 41
Indra ...	26	24 46 51	4	25 22 41	8	25 2 1	12	24 41 21	17	25 17 10
Vaidhriti ...	27	25 43 21	5	26 19 10	9	26 58 30	13	25 37 50	18	26 13 40
	1	26 39 50	6	27 15 39	10	26 54 59	14	26 34 20	19	27 10 9
	2	27 36 19	7	28 12 9	11	27 51 29	15	27 30 49	20	28 6 39
	3	28 32 49	8	29 8 38	12	28 47 58	16	28 27 18	21	29 3 8
	4	29 29 18					17	29 23 48		

Ord.	Ordinary	Order	Ordinary	Order	Ordinary	Order	Ordinary	Order	Ordinary	Order	Ordinary	Order	Chaitra, when no Adhika Masam.	Order	Chaitra, when there is Adhika Masam.
	Asvina		Kartika		Margasira		Pausa		Magha		Phalguna		XII		XIII
	VI		VII		VIII		IX		X		XI				
	d. g. p.		d. g. p.		d. g. p.		d. g. p.		d. g. p.		d. g. p.		d. g. p.		d. g. p.
11	0 14 56	13	0 3 50	16	0 53 26	18	0 42 20	20	0 31 14	22	0 20 7	24	0 9 1	27	0 58 38
12	1 15 39	14	1 4 33	17	1 54 9	19	1 43 3	21	1 31 56	23	1 20 50	25	1 9 44	1	1 59 20
13	2 16 22	15	2 5 15	18	2 54 52	20	2 43 46	22	2 32 40	24	2 21 33	26	2 10 27	2	3 0 3
14	3 17 5	16	3 5 58	19	3 55 35	21	3 44 29	23	3 33 22	25	3 22 16	27	3 11 10	3	4 0 46
15	4 17 47	17	4 6 41	20	4 56 18	22	4 45 12	24	4 34 6	26	4 22 59	1	4 11 53	4	5 1 29
16	5 18 30	18	5 7 24	21	5 57 1	23	5 45 54	25	5 34 48	27	5 23 42	2	5 12 35	5	6 2 12
17	6 19 13	19	6 8 7	22	6 57 44	24	6 46 37	26	6 35 31	1	6 24 25	3	6 18 18	6	7 2 55
18	7 19 56	20	7 8 50	23	7 58 26	25	7 47 20	27	7 36 14	2	7 25 7	4	7 14 1	7	8 3 38
19	8 20 3	21	8 9 33	24	8 59 9	26	8 48 3	1	8 36 57	3	8 25 51	5	8 14 44	8	9 4 21
20	9 21 22	22	9 10 16	25	9 59 52	27	9 48 46	2	9 37 40	4	9 26 33	6	9 15 27	9	10 5 4
21	10 22 5	23	10 10 59	26	11 0 35	1	10 49 29	3	10 38 23	5	10 27 16	7	10 16 10	10	11 5 46
22	11 22 48	24	11 11 41	27	12 1 18	2	11 50 12	4	11 39 5	6	11 27 59	8	11 16 53	11	12 6 29
23	12 23 31	25	12 12 24	1	13 2 1	3	12 50 55	5	12 39 48	7	12 28 42	9	12 17 36	12	13 7 12
24	13 24 13	26	13 13 7	2	14 2 44	4	13 51 38	6	13 40 31	8	13 29 25	10	13 18 18	13	14 7 55
25	14 24 56	27	14 13 50	3	15 3 27	5	14 52 20	7	14 41 14	9	14 30 8	11	14 19 2	14	15 8 38
26	15 25 39	1	15 14 33	4	16 4 9	6	15 53 3	8	15 41 57	10	15 30 51	12	15 19 44	15	16 9 21
27	16 26 22	2	16 15 16	5	17 4 52	7	16 53 46	9	16 42 40	11	16 31 34	13	16 20 27	16	17 10 4
1	17 27 5	3	17 15 59	6	18 5 35	8	17 54 29	10	17 43 23	12	17 32 17	14	17 21 10	17	18 10 47
2	18 27 48	4	18 16 42	7	19 6 18	9	18 55 12	11	18 44 6	13	18 32 59	15	18 21 53	18	19 11 29
3	19 28 31	5	19 17 24	8	20 7 1	10	19 55 55	12	19 44 49	14	19 33 42	16	19 22 36	19	20 12 13
4	20 29 14	6	20 18 7	9	21 7 44	11	20 56 38	13	20 45 31	15	20 34 25	17	20 23 19	20	21 12 56
5	21 29 56	7	21 18 50	10	22 8 27	12	21 57 21	14	21 46 14	16	21 35 8	18	21 24 2	21	22 13 38
6	22 30 40	8	22 19 33	11	23 9 10	13	22 58 3	15	22 46 57	17	22 35 51	19	22 24 45	22	23 14 21
7	23 31 23	9	23 20 16	12	24 9 53	14	23 58 46	16	23 47 40	18	23 36 34	20	23 25 28	23	24 15 4
8	24 32 5	10	24 20 59	13	25 10 35	15	24 59 29	17	24 48 23	19	24 37 17	21	24 26 10	24	25 15 47
9	25 32 48	11	25 21 42	14	26 11 18	16	25 0 12	18	25 49 6	20	25 38 0	22	25 26 53	25	26 16 30
10	26 33 31	12	26 22 25	15	27 12 1	17	26 0 55	19	26 49 49	21	26 38 42	23	26 27 36	26	27 17 13
11	27 34 14	13	27 23 8	16	28 12 44	18	27 1 38	20	27 50 32	22	27 39 25	24	27 28 19	27	28 17 56
12	28 34 57	14	28 23 51	17	29 13 27	19	28 2 21	21	28 51 14	23	28 40 8	25	28 29 2	1	29 18 39
	15	29 24 34										26	29 29 45		
YOGAS.															
22	0 27 47	26	0 7 7	4	0 42 57	8	0 22 17	12	0 1 37	17	0 37 26	21	0 16 47	26	0 52 36
23	1 24 17	27	1 3 36	5	1 39 26	9	1 18 46	13	0 58 6	18	1 33 56	22	1 13 16	27	1 49 6
24	2 20 46	1	2 0 6	6	2 35 55	10	2 15 16	14	1 51 36	19	2 30 25	23	2 9 45	1	2 45 35
25	3 17 15	2	2 56 35	7	3 32 25	11	3 11 45	15	2 51 5	20	3 26 55	24	3 6 15	2	3 42 4
26	4 13 44	3	3 53 5	8	4 28 54	12	4 8 14	16	3 47 35	21	4 23 24	25	4 2 44	3	4 38 33
27	5 10 14	4	4 49 34	9	5 25 24	13	5 4 44	17	4 44 4	22	5 19 53	26	4 59 13	4	5 35 3
1	6 6 43	5	5 46 8	10	6 21 53	14	6 1 13	18	5 40 33	23	6 16 23	27	5 55 43	5	6 31 32
2	7 3 13	6	6 42 33	11	7 18 22	15	6 57 43	19	6 37 2	24	7 12 52	1	6 52 12	6	7 28 2
3	7 59 42	7	7 39 2	12	8 14 52	16	7 54 12	20	7 33 32	25	8 9 21	2	7 48 41	7	8 24 31
4	8 56 11	8	8 35 32	13	9 11 21	17	8 50 41	21	8 30 1	26	9 5 51	3	8 45 11	8	9 21 0
5	9 52 41	9	9 32 1	14	10 7 50	18	9 47 10	22	9 26 31	27	10 2 20	4	9 41 40	9	10 17 30
6	10 49 10	10	10 28 30	15	11 4 20	19	10 43 40	23	10 23 0	1	10 58 50	5	10 38 10	10	11 13 23
7	11 45 39	11	11 24 59	16	12 0 49	20	11 40 9	24	11 19 29	2	11 55 19	6	11 34 39	11	12 10 28
8	12 42 3	12	12 21 29	17	12 57 18	21	12 36 39	25	12 15 59	3	12 51 48	7	12 31 8	12	13 6 58
9	13 38 38	13	13 17 58	18	13 53 48	22	13 33 8	26	13 12 28	4	13 48 17	8	13 27 38	13	14 3 27
10	14 35 8	14	14 14 28	19	14 50 17	23	14 29 37	27	14 8 58	5	14 44 47	9	14 24 7	14	14 59 56
11	15 31 37	15	15 10 57	20	15 46 47	24	15 26 7	1	15 5 27	6	15 41 16	10	15 20 36	15	15 56 26
12	16 28 6	16	16 7 26	21	16 43 16	25	16 22 36	2	16 1 56	7	16 37 46	11	16 17 6	16	16 52 55
13	17 24 36	17	17 3 56	22	17 39 45	26	17 19 5	3	16 58 25	8	17 34 15	12	17 13 35	17	17 49 25
14	18 21 5	18	18 0 25	23	18 36 14	27	18 15 35	4	17 54 55	9	18 30 44	13	18 10 5	18	18 45 54
15	19 17 35	19	18 56 54	24	19 32 44	1	19 12 4	5	18 51 24	10	19 27 14	14	19 6 34	19	19 42 23
16	20 13 28	20	19 53 24	25	20 29 13	2	20 8 33	6	19 47 54	11	20 23 43	15	20 3 3	20	20 38 53
17	21 10 33	21	20 49 53	26	21 25 43	3	21 5 3	7	20 44 23	12	21 20 13	16	20 59 33	21	21 35 22
18	22 7 2	22	21 46 23	27	22 22 12	4	22 1 32	8	21 40 52	13	22 16 42	17	21 56 2	22	22 31 51
19	23 3 32	23	22 42 52	1	23 18 41	5	22 58 2	9	22 37 22	14	23 13 11	18	22 52 31	23	23 28 21
20	24 0 1	24	23 39 21	2	24 15 11	6	23 54 31	10	23 33 53	15	24 9 40	19	23 49 1	24	24 24 50
21	24 56 31	25	24 35 51	3	25 11 40	7	24 51 0	11	24 30 20	16	25 6 10	20	24 45 30	25	25 21 20
22	25 53 0	26	25 32 20	4	26 8 10	8	25 47 29	12	25 26 50	17	26 2 39	21	25 42 0	26	26 17 49
23	26 49 29	27	26 28 50	5	27 4 39	9	26 43 59	13	26 23 19	18	26 59 9	22	26 38 29	27	27 14 18
24	27 45 59	1	27 25 19	6	28 1 8	10	27 40 28	14	27 19 48	19	27 55 38	23	27 34 54	1	28 10 48
25	28 42 28	2	28 21 48	7	28 57 38	11	28 36 58	15	28 16 18	20	28 52 7	24	28 31 28	2	29 7 17
		3	29 18 17					16	29 12 47			25	29 27 57		



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TABLE XII.—EPHEMERIS FOR BENGAL.

Dates of Commencement of Bengal Solar Months, A. D. 1840 to A. D. 1920.

A.D.	Vaisakha (April)	Jyeshtha (May)	Asadha (June)	Shravana (July)	Bhadrapada (August)	Asvina (September)	Kartika (October)	Margashira (November)	Pausa (December)	A.D.	Magha (January)	Phalguna (February)	Chaitra (March)	A.D.	Vaisakha (April)	Jyeshtha (May)	Asadha (June)	Shravana (July)	Bhadrapada (August)	Asvina (September)	Kartika (October)	Margashira (November)	Pausa (December)	A.D.	Magha (January)	Phalguna (February)	Chaitra (March)
1840	12	13	13	15	15	16	16	15	14	41	13	11	13	1880	12	13	14	15	16	16	16	15	15	81	13	11	13
1841	12	13	14	15	16	16	16	15	14	42	13	11	13	1881	12	13	14	15	16	16	16	15	15	82	13	12	13
1842	12	13	14	15	16	16	16	15	15	43	13	11	13	1882	13	14	14	16	16	16	17	16	15	83	13	12	13
1843	13	14	14	16	16	16	17	15	15	44	13	12	13	1883	13	14	14	16	16	17	17	16	15	84	14	12	13
1844	12	13	13	15	15	16	16	15	14	45	13	11	13	1884	12	13	14	15	16	16	16	15	15	85	13	11	13
1845	12	13	14	15	16	16	16	15	15	46	13	11	13	1885	13	13	14	16	16	16	16	15	15	86	13	12	13
1846	12	13	14	15	16	16	16	15	15	47	13	12	13	1886	13	14	14	16	16	16	17	16	15	87	13	12	13
1847	13	14	14	16	16	16	17	15	15	48	13	12	13	1887	13	14	14	16	17	17	17	16	15	88	14	12	13
1848	12	13	13	15	15	16	16	15	14	49	13	11	13	1888	12	13	14	15	16	16	16	15	15	89	13	11	13
1849	12	13	14	15	16	16	16	15	15	50	13	11	13	1889	13	14	14	16	16	16	17	15	15	90	13	12	13
1850	12	13	14	15	16	16	16	15	15	51	13	12	13	1890	13	14	14	16	16	16	17	16	15	91	13	12	13
1851	13	14	14	16	16	16	17	15	15	52	13	12	13	1891	13	14	14	16	17	17	17	16	15	92	14	12	13
1852	12	13	13	15	15	16	16	15	14	53	13	11	13	1892	12	13	14	15	16	16	16	15	15	93	13	11	13
1853	12	13	14	15	16	16	16	15	15	54	13	11	13	1893	13	14	14	16	16	16	17	15	15	94	13	12	13
1854	13	13	14	16	16	16	16	15	15	55	13	12	13	1894	13	14	14	16	16	16	17	16	15	95	14	12	13
1855	13	14	14	16	16	16	17	16	15	56	13	12	13	1895	13	14	14	16	17	17	17	16	15	96	14	12	13
1856	12	13	13	15	16	16	16	15	14	57	13	11	13	1896	12	13	14	15	16	16	16	15	15	97	13	11	13
1857	12	13	14	15	16	16	16	15	15	58	13	11	13	1897	13	14	14	16	16	16	17	15	15	98	13	12	13
1858	13	13	14	16	16	16	16	15	15	59	13	12	13	1898	13	14	14	16	16	16	17	16	15	99	14	12	13
1859	13	14	14	16	16	16	17	16	15	60	13	12	13	1899	13	14	15	16	17	17	17	16	15	1900	14	12	13
1860	12	13	13	15	16	16	16	15	14	61	13	11	13	1900	13	14	15	16	17	17	17	16	15	01	14	12	13
1861	12	13	14	15	16	16	16	15	15	62	13	11	13	1901	14	15	15	17	17	17	18	17	16	02	14	13	13
1862	13	14	14	16	16	16	17	15	15	63	13	12	13	1902	14	15	15	17	17	17	18	17	16	03	15	13	13
1863	13	14	14	16	16	16	17	16	15	64	13	12	13	1903	14	15	16	17	18	18	18	17	17	04	15	13	13
1864	12	13	13	15	16	16	16	15	14	65	13	11	13	1904	13	14	15	16	17	17	17	16	15	05	14	13	13
1865	12	13	14	15	16	16	16	15	15	66	13	11	13	1905	14	15	15	17	17	17	18	17	16	06	15	13	13
1866	13	14	14	16	16	16	17	15	15	67	13	12	14	1906	14	15	15	17	17	17	18	17	16	07	15	13	13
1867	13	14	14	16	16	16	17	16	15	68	13	12	13	1907	14	15	16	17	18	18	18	17	17	08	15	13	13
1868	12	13	13	15	16	16	16	15	14	69	13	11	13	1908	13	14	15	16	17	17	17	16	15	09	14	13	13
1869	12	13	14	15	16	16	16	15	15	70	13	11	13	1909	14	15	15	17	17	17	18	17	16	10	14	13	13
1870	13	14	14	16	16	16	17	15	15	71	13	12	14	1910	14	15	15	17	17	17	18	17	16	11	15	13	13
1871	13	14	14	16	16	16	17	16	15	72	14	12	13	1911	14	15	16	17	18	18	18	17	17	12	15	13	13
1872	12	13	14	15	16	16	16	15	14	73	13	11	13	1912	14	14	15	17	17	17	17	16	15	13	14	13	13
1873	12	13	14	15	16	16	16	15	15	74	13	12	13	1913	14	15	15	17	17	17	18	17	16	14	14	13	13
1874	13	14	14	16	16	16	17	16	15	75	13	12	14	1914	14	15	15	17	18	18	18	17	16	15	15	13	13
1875	13	14	14	15	16	16	17	16	15	76	14	12	13	1915	14	15	16	17	18	18	18	17	17	16	15	13	13
1876	12	13	13	14	15	16	16	15	15	77	13	11	13	1916	14	14	15	17	17	17	17	16	15	17	14	13	13
1877	12	13	13	14	15	16	16	15	15	78	13	12	13	1917	14	15	15	17	17	17	18	17	16	18	14	13	13
1878	13	13	14	16	16	16	17	16	15	79	13	12	14	1918	14	15	15	17	18	18	18	17	16	19	15	13	13
1879	13	14	14	16	16	16	17	16	15	80	14	12	13	1919	14	15	16	17	18	18	18	17	17	20	15	13	13

NOTE.—It will be seen from a comparison of the above table with the General Ephemeris given below that solar months in Bengal seldom commence on the same day as in the Tamil and Malayalam countries. In the first place the Sankrantis which determine the commencement of solar months in Bengal are those fixed by the Surya Siddhanta, whereas in Southern India the solar months and their Sankrantis are reckoned according to the Arya Siddhanta.

Secondly, the rule in Bengal is that when the Sankranti occurs less than 45 ghatikas after sunrise, the civil solar month commences on the next day, and when the Sankranti occurs 45 ghatikas after Sunrise or later, the civil solar month commences two days after the date of the Sankranti. It follows from this rule that in Bengal the civil month never begins on the date of the Sankranti which in that province invariably belongs to the previous month whereas in Southern India, the civil month very often begins on the day of the Sankranti. In practice, the rule in Bengal appears to be to begin the Solar month on the third day after Sankranti when the fraction of day at which Sankranti occurs is 70 of a day or more. The above table has been constructed on this principle.



TABLE XII.—General Ephemeris A.D. 1840—A.D. 1845.

SL

Commence- ment of years in dif- ferent eras.	Tamil month.	Tamil Month						New Moon Ending moment of New Moon Tithi. (°'s Anom. ☉'s Anom.										Deduct for Nakshatras	Deduct for Yogas.
		Beginning		End		Lunar month.	Week-day Month	Mean		Actual		Ghatikas Palas	Day	Ghatikas Palas	Day	Ghatikas Palas			
		Week-day Month	Day	Week-day Month	Day			Day (mean)	Ghatikas Palas	Day (actual)	Ghatikas Palas								
K. Y. 4941 Sak. 1762 Vik. 1897 (S.) Sarvari K. 1015 (S.M.) K. 1015 (N.M.) 59 g, 35 p. B. S. 1246 (N.) Virodhakrit A.D. 1841 H. 1257 Feb. 22, 23	Chittirai Vaikasi Ani Adi Avani Purattasi Aippasi Kartigai Margali Tai Masi Panguni	7 Ap 11 31 5 My 12 31 6 Je 12 32 3 Ji 14 31 6 Au 14 31 2 S 14 31 5 O 15 30 7 N 14 29 1 D 13 30 3 Ja 12 29 4 F 10 30 6 Mr 12 30	2 My 11 31 5 Je 11 31 2 Ji 13 32 5 Au 13 31 1 S 13 31 4 O 14 31 6 N 13 31 7 D 12 31 2 Ja 11 31 3 F 9 31 5 Mr 11 31 7 Ap 10 31	Vaisakha Jyeshtha Ashada Sravana Bhadrapada Asvina Kartika Margasira Pausha Magha Phalgun Chaitra	6 My 1 37 56 1 My 31 9 46 2 Je 29 41 36 4 Ji 29 13 26 5 Au 27 45 17 7 S 26 17 7 25 1 O 25 48 57 3 N 24 20 47 4 D 23 52 37 6 Ja 22 24 27 7 F 20 56 17 2 Mr 22 28 7 23	57 58 16 22 33 14 51 20 13 25 41 40 17 28 0 50 49 40 39 23 24 55 33 13	25 15 58 27 14 31 1 39 48 3 38 22 5 36 56 7 35 29 9 34 2 11 32 36 13 31 10 15 29 43 17 28 17 19 26 50	20 32 14 50 4 4 79 35 54 109 7 44 138 39 34 168 11 24 197 43 15 227 15 5 256 46 55 286 18 45 315 50 35 345 22 25	1 day, 32 ghat., 10 palas.										
K. Y. 4942 Sak. 1763 Vik. 1898 (S.) Plava K. 1016 (S. M.) K. 1016 (N. M.) 15 g, 6 p B. S. 1247 (N.) Paridhavin. A.D. 1842 H. 1258 Feb. 12	Chittirai Vaikasi Ani Adi Avani Purattasi Aippasi Kartigai Margali Tai Masi Panguni	1 Ap 11 31 4 My 12 32 1 Je 13 31 4 Ji 14 32 1 Au 15 31 4 S 15 30 6 O 15 30 1 N 14 30 3 D 14 29 4 Ja 12 29 5 F 10 30 7 Mr 12 31	3 My 11 31 7 Je 12 32 3 Ji 13 31 7 Au 13 31 3 S 14 31 5 O 14 30 7 N 13 31 2 D 13 31 3 Jr 11 31 4 F 9 31 6 Mr 11 31 2 Ap 11 31	Vaisakha Jyeshtha Ashada Sravana Bhadrapada Asvina Kartika Margasira Pausha Magha Phalgun Chaitra	4 Ap 21 0 0 5 My 20 31 49 7 Je 19 3 39 1 Ji 18 35 28 3 Au 17 7 18 4 S 15 39 8 6 O 15 10 58 7 N 13 42 48 2 D 12 14 38 3 Ja 11 46 29 5 F 10 18 19 6 Mr 11 50 9 12 1 Ap 10 21 59	3 48 58 37 16 44 33 33 51 12 11 43 37 36 10 18 50 13 36 22 24 54 12 6 53 11	21 25 24 23 23 58 25 22 31 27 21 5 1 46 22 3 44 55 5 43 29 7 42 3 9 40 36 11 39 10 13 37 43 15 36 17 17 34 51	9 38 45 39 10 34 68 42 24 98 14 14 127 46 4 157 17 54 186 49 44 216 21 34 245 53 25 275 25 15 304 57 5 334 28 55 364 0 45	0 day, 43 ghat., 17 palas.										
K. Y. 4943 Sak. 1764 Vik. 1899 (S.) Subhakrit. K. 1017 (S. M.) K. 1017 (N. M.) 30 g, 37 p. B. S. 1248 (N.) Farmadin A.D. 1843 H. 1259 Feb. 1	Chittirai Vaikasi Ani Adi Avani Purattasi Aippasi Kartigai Margali Tai Masi Panguni	3 Ap 12 30 5 My 12 32 2 Je 13 31 5 Ji 14 32 2 Au 15 31 5 S 15 30 7 O 15 30 2 N 14 30 4 D 14 29 5 Ja 12 30 7 F 11 29 1 Mr 12 31	4 My 11 31 1 Je 12 31 4 Ji 13 32 1 Au 14 31 4 S 14 30 6 O 14 30 1 N 13 31 3 D 13 31 4 Jr 11 31 6 F 10 30 7 Mr 11 31 3 Ap 11 31	Vaisakha Jyeshtha Ashada Sravana Bhadrapada Asvina Kartika Margasira Pausha Magha Phalgun Chaitra	2 My 9 53 49 4 Je 8 25 39 5 Ji 7 57 29 7 Au 6 29 19 2 S 5 1 10 3 O 4 33 0 5 N 3 4 49 6 D 2 36 40 1 Ja 1 8 30 2 Ja 30 40 20 4 Mr 1 12 10 5 Mr 30 44 0	26 50 53 33 15 5 24 0 52 48 13 36 38 16 8 13 44 7 25 26 10 15 55 32	19 33 24 21 31 58 23 30 31 25 29 5 27 27 39 1 52 56 3 51 29 5 50 3 7 48 36 9 47 10 11 45 44 13 44 17	28 17 4 57 48 54 87 20 44 116 52 34 146 24 24 175 56 14 205 28 4 234 59 55 264 31 45 294 3 35 323 35 25 353 7 15	2 days, 0 ghat., 57 palas.										
K. Y. 4944 Sak. 1765 Vik. 1900 (S.) Subhakrit. K. 1018 (S. M.) K. 1018 (N. M.) 46 g, 9 p B. S. 1249 (N.) Ananda A.D. 1844 H. 1260 Ja. 22	Chittirai Vaikasi Ani Adi Avani Purattasi Aippasi Kartigai Margali Tai Masi Panguni	4 Ap 12 31 7 My 13 31 3 Je 13 32 7 Ji 15 31 3 Au 15 31 6 S 15 31 2 O 16 30 4 N 15 29 5 D 14 29 6 Ja 12 30 1 F 11 30 3 Mr 12 30	6 My 12 31 2 Je 12 31 6 Ji 14 32 2 Au 14 31 5 S 14 31 1 O 15 31 3 N 14 31 4 D 13 31 5 Jr 11 31 7 F 10 30 2 Mr 11 31 4 Ap 10 31	Vaisakha Jyeshtha Ashada Sravana Bhadrapada Asvina Kartika Margasira Pausha Magha Phalgun Chaitra	7 Ap 29 15 50 1 My 28 47 41 3 Je 27 19 31 4 Ji 26 51 21 6 Au 25 23 11 7 S 23 55 1 2 O 23 26 51 3 N 21 58 41 5 D 21 30 31 7 Ja 20 2 19 1 F 18 34 12 3 Mr 19 6 2 18	37 46 15 17 44 52 10 40 33 23 55 14 17 46 42 21 10 17 42 13 17 52 56 47	11 52 17 17 41 24 19 39 58 21 38 32 23 37 5 25 35 39 0 20 19 1 59 29 3 58 3 5 56 37 7 55 10 9 53 44	17 23 34 46 55 24 76 27 14 105 59 4 135 30 54 165 2 44 194 34 34 224 6 24 253 38 15 283 10 5 312 41 55 342 13 45	1 day, 18 ghat., 4 palas.										
K. Y. 4945 Sak. 1766 Vik. 1901 (S.) Krodhi K. 1019 (S. M.) K. 1019 (N. M.) 1 g, 40 p. B. S. 1250 (N.) Rakehasa A.D. 1845 H. 1261 Dec. 30	Chittirai Vaikasi Ani Adi Avani Purattasi Aippasi Kartigai Margali Tai Masi Panguni	5 Ap 11 31 1 My 12 31 4 Je 12 32 1 Ji 14 31 4 Au 14 31 7 S 14 31 3 O 15 30 5 N 14 29 6 D 13 30 1 Ja 12 29 2 F 10 30 4 Mr 12 30	7 My 11 31 3 Je 11 31 7 Ji 13 32 3 Au 13 31 6 S 13 31 2 O 14 31 4 N 13 31 5 D 12 31 7 Jr 11 31 1 F 9 31 3 Mr 11 31 5 Ap 10 31	Vaisakha Jyeshtha Ashada Sravana Bhadrapada Asvina Kartika Margasira Pausha Magha Phalgun Chaitra	4 Ap 17 37 52 6 My 17 9 42 7 Je 15 41 32 2 Ji 15 13 22 3 Au 13 45 12 5 S 12 17 2 6 O 11 48 53 1 N 10 20 43 2 D 9 52 33 4 Ja 8 24 23 5 F 6 56 13 7 Mr 8 28 3 2 Ap 7 0 0	37 39 18 23 56 44 31 19 21 19 30 36 57 2 22 40 48 29 15 17 43 37 13 48 46 15	11 52 17 13 50 51 15 49 25 17 47 58 19 46 32 21 45 5 23 43 39 25 42 13 0 7 30 2 6 3 4 4 37 6 3 11 8 1 44	6 30 4 96 1 54 65 33 44 95 5 34 124 37 24 154 9 14 183 41 4 213 12 54 242 44 45 272 16 35 301 48 25 331 20 15 360 52 5	0 day, 29 ghat., 11 palas.										



TABLE XII.—General Ephemeris A.D. 1845—A.D. 1850.

CSL

Commence- ment of years in dif- ferent eras.	Tamil month.	Tamil Month		Lunar month.	Week-day Month	Day (mean)	New Moon		Ghatikas Palas	Day	Ghatikas Palas	Day	Ghatikas Palas	Day	Ghatikas Palas	Deduct for Nakshatras Yogas.
		Beginning	End				Ending moment of New Moon Tithi									
							Mean	Actual								
K. Y. 4946	Chittirai ...	6 Ap	11 31	1 My	11	Vaisakha ...	3 My	6	31 43 ...	21 4	10 0 18	25 8 24				
Sak. 1767	Vaikasi ...	2 My	12 32	5 Je	12	Jyeshtha ...	5 Je	5	3 33 4	57 41	11 58 51	54 40 14				
Vik. 1902	Ani ...	6 Je	13 31	1 JI	13	Ashada ...	6 JI	4	35 24 ...	35 46	13 57 25	84 12 4				
(S.) Visvavasu	Adi ...	2 JI	14 32	5 Au	14	Sravana ...	1 Au	3	7 14 ...	13 37	15 55 59	113 43 54				
K. 1020 (S. M.)	Avani ...	6 Au	15 31	1 S	14	Bhadrapada ...	2 S	1	39 4 ...	49 14	17 54 32	143 15 44				
K. 1020 (N. M.)	Parattasi ...	2 S	15 30	3 O	14	Asvina ...	4 O	1	10 54 ...	24 49	19 53 6	172 47 34				
17 g. 11 p.	Aippasi ...	4 O	15 30	5 N	13	Kartika ...	5 O	30	42 44 ...	57 1	21 51 39	202 19 24				
B. S. 1251	Kartigai ...	6 N	14 30	7 D	13	Margasira ...	7 N	29	14 34 ...	26 58	23 50 13	231 51 14				
(N.) Anala	Margali ...	1 D	14 29	1 Ja	11	Pausa ...	1 D	28	46 24 ...	55 1	25 48 47	261 23 5				
A. D. 1846	Tai ...	2 Ja	12 29	2 F	9	Magha ...	3 Ja	27	18 14 ...	21 33	0 14 4	290 54 55				
H. 1263	Masi ...	3 F	10 30	4 Mr	11	Phalguna ...	4 F	25	50 5 ...	48 1	2 12 37	320 26 45				
Dec. 20	Panguni ...	5 Mr	12 31	7 Ap	11	Chaitra ...	6 Mr	27	21 55 ...	12 43	4 11 11	349 58 35				
K. Y. 4947	Chittirai ...	1 Ap	12 30	2 My	11	Vaisakha ...	7 Ap	25	53 45 ...	39 14	6 9 44	14 14 54				
Sak. 1768	Vaikasi ...	3 My	12 32	6 Je	12	Jyeshtha ...	2 My	25	25 35 ...	7 46	8 8 18	43 46 44				
Vik. 1903	Ani ...	7 Je	13 31	2 JI	13	Ashada ...	3 Je	23	57 25 ...	39 19	10 6 52	73 18 34				
(S.) Parabhava	Adi ...	3 JI	14 32	6 Au	14	Sravana ...	5 JI	23	29 15 ...	14 36	12 5 25	102 50 24				
K. 1021 (S. M.)	Avani ...	7 Au	15 31	2 S	14	Bhadrapada ...	7 Au	22	1 6 21	53 39	14 3 59	132 22 14				
K. 1021 (N. M.)	Purattasi ...	3 S	15 30	4 O	14	Asvina ...	1 S	20	32 56 ...	34 48	16 2 32	161 54 4				
32 g. 42 p.	Aippasi ...	5 O	15 30	6 N	13	Kartika ...	3 O	20	4 46 ...	15 36	18 1 6	191 25 54				
B. S. 1252	Kartigai ...	7 N	14 30	1 D	13	Margasira ...	4 N	18	36 36 ...	54 17	19 59 40	220 57 44				
(N.) Pingala	Margali ...	2 D	14 29	2 Ja	11	Pausa ...	6 D	18	8 26 ...	29 14	21 58 13	250 29 34				
A. D. 1847	Tai ...	3 Ja	12 30	4 F	10	Magha ...	7 Ja	16	40 16 17	0 22	23 56 47	280 1 25				
H. 1264	Masi ...	5 F	11 29	5 Mr	11	Phalguna ...	2 F	15	12 6 ...	27 37	25 50 20	309 33 15				
Dec. 9	Panguni ...	6 Mr	12 31	1 Ap	11	Chaitra ...	3 Mr	16	43 56 ...	51 35	0 20 37	339 5 5				
K. Y. 4948	Chittirai ...	2 Ap	12 31	4 My	12	Vaisakha ...	5 Ap	15	15 46 ...	13 41	2 19 11	3 21 24				
Sak. 1769	Vaikasi ...	5 My	13 31	7 Je	12	Jyeshtha ...	6 My	14	47 36 ...	35 27	4 17 31	32 53 14				
Vik. 1904	Ani ...	1 Je	13 32	4 JI	14	Ashada ...	1 Je	13	19 26 12	58 80	6 16 8	62 25 4				
(S.) Plavanga	Adi ...	5 JI	15 31	7 Au	14	Sravana ...	2 JI	12	51 17 ...	24 54	8 14 52	91 56 54				
K. 1022 (S. M.)	Avani ...	1 Au	15 31	3 S	14	Bhadrapada ...	4 Au	11	23 7 10	56 33	10 13 25	121 28 44				
K. 1022 (N. M.)	Purattasi ...	4 S	15 31	6 O	15	Asvina ...	5 S	9	54 57 ...	34 23	12 11 59	151 0 34				
48 g. 14 p.	Aippasi ...	7 O	16 30	1 N	14	Kartika ...	7 O	9	26 47 ...	17 35	14 10 33	180 32 24				
B. S. 1253	Kartigai ...	2 N	15 29	2 D	13	Margasira ...	1 N	7	58 37 8	3 14	16 9 6	210 4 14				
(N.) Kalayukta	Margali ...	3 D	14 29	3 Ja	11	Pausa ...	3 D	7	30 27 ...	47 46	18 7 40	239 36 4				
A. D. 1848	Tai ...	4 Ja	12 30	5 F	10	Magha ...	6 F	4	34 8 5	1 5	22 4 47	298 39 45				
H. 1265	Masi ...	6 F	11 30	7 Mr	11	Phalguna ...	1 Mr	5	5 58 ...	29 44	24 3 19	328 11 35				
Nov. 27	Panguni ...	1 Mr	12 30	2 Ap	10	Chaitra ...	2 Ap	3	37 43 ...	55 27	26 1 54	357 43 25				
K. Y. 4949	Chittirai ...	3 Ap	11 31	5 My	11	Vaisakha ...	4 My	3	9 38 ...	15 32	0 27 11	21 59 45				
Sak. 1770	Vaikasi ...	6 My	12 31	1 Je	11	Jyeshtha ...	5 Je	1	41 28 ...	34 4	2 25 45	51 31 34				
Vik. 1905	Ani ...	2 Je	12 32	5 JI	13	Ashada ...	7 JI	1	13 18 Je 30	53 32	4 24 18	81 3 24				
(S.) Kilaka	Adi ...	6 JI	14 31	1 Au	13	Sravana ...	1 JI	30	45 8 ...	15 34	6 22 52	110 35 14				
K. 1023 (S. M.)	Avani ...	2 Au	14 31	4 S	13	Bhadrapada ...	3 Au	29	16 58 28	43 31	8 21 26	140 7 4				
K. 1023 (N. M.)	Purattasi ...	5 S	14 31	7 O	14	Asvina ...	4 S	27	48 48 ...	13 43	10 19 59	169 38 54				
3 g. 45 p.	Aippasi ...	1 O	15 30	2 N	13	Kartika ...	6 O	27	20 38 ...	1 13	12 18 33	199 10 44				
B. S. 1254	Kartigai ...	3 N	14 29	3 D	12	Margasira ...	7 N	25	52 29 ...	48 59	14 17 6	228 42 35				
(N.) Siddharthin	Margali ...	4 D	13 30	5 Ja	11	Pausa ...	2 D	25	24 19 ...	37 43	16 15 40	258 14 25				
A. D. 1849	Tai ...	6 Ja	12 29	6 F	9	Magha ...	3 Ja	23	56 9 24	22 53	18 14 14	287 46 15				
H. 1266	Masi ...	7 F	10 30	1 Mr	11	Phalguna ...	5 F	22	27 59 23	1 26	20 12 47	317 18 5				
Nov. 17	Panguni ...	2 Mr	12 30	3 Ap	10	Chaitra ...	7 Mr	24	0 0 ...	32 36	22 11 21	346 49 55				
K. Y. 4950	Chittirai ...	4 Ap	11 31	6 My	11	Vaisakha ...	1 Ap	22	31 39 ...	56 16	24 9 54	11 6 14				
Sak. 1771	Vaikasi ...	7 My	12 32	3 Je	12	Jyeshtha ...	3 My	22	3 30 ...	17 5	26 8 28	40 38 4				
Vik. 1906	Ani ...	4 Je	13 31	6 JI	13	Ashada ...	4 Je	20	35 19 ...	34 8	0 33 45	70 9 54				
(S.) Saumya	Adi ...	7 JI	14 32	3 Au	14	Sravana ...	6 JI	20	7 10 19	51 0	2 22 19	99 41 44				
K. 1024 (S. M.)	Avani ...	4 Au	15 31	6 S	14	Bhadrapada ...	7 Au	18	39 0 ...	10 15	4 30 52	129 13 34				
K. 1024 (N. M.)	Purattasi ...	7 S	15 30	1 O	14	Asvina ...	2 S	17	10 50 16	36 9	6 29 26	158 45 24				
19 g. 16 p.	Aippasi ...	2 O	15 30	3 N	13	Kartika ...	3 O	16	42 40 ...	8 14	8 27 59	188 17 14				
B. S. 1255	Kartigai ...	4 N	14 30	5 D	13	Margasira ...	5 N	15	14 30 14	48 9	10 26 33	217 49 4				
(N.) Raudra	Margali ...	6 D	14 29	6 Ja	11	Pausa ...	6 D	14	46 20 ...	34 49	12 25 7	247 20 54				
A. D. 1850	Tai ...	7 Ja	12 29	7 F	9	Magha ...	1 Ja	13	18 10 ...	24 45	14 23 40	276 52 44				
H. 1267	Masi ...	1 F	10 30	2 Mr	11	Phalguna ...	2 F	11	50 0 12	12 50	16 22 14	306 24 35				
Nov. 6	Panguni ...	3 Mr	12 31	5 Ap	11	Chaitra ...	4 Mr	13	21 50 ...	54 47	18 20 47	335 56 25				

TABLE XII.—General Ephemeris A.D. 1855—A.D. 1860.

Commence- ment of years in dif- ferent eras.	Tamil month.	Tamil Month			Lunar month.	New Moon			Ending moment			of New Moon Tithi			C's Anom. C's Anom.			Deduct for Nakshatras	Deduct for Yogas.			
		Week-day	Month	Day		Week-day	Month	Day (mean)		Mean	Actual	Ghatikas	Palas	Day (actual)	Ghatikas	Palas	Day					
K. Y. 4956	Chittirai...	5 Ap	12	31	7 My	12	Vaisakha ...	2 Ap	16	47 28	...	35 30	5	3 38	4 48 53							
Sak. 1777	Vaikasi ...	1 My	13	31	3 Je	12	Jyeshtha ...	4 My	16	19 18	...	2 12	7	2 11	34 20 43							
Vik. 1912	Ani ...	4 Je	13	32	7 Ji	14	Ashada ...	5 Je	14	51 8	...	31 29	9	0 45	63 52 33							
(S.) Rakshasa	Adi ...	1 Ji	15	31	3 Au	14	Sravana ...	7 Ji	14	22 58	...	4 30	10	59 18	93 24 23							
K. 1030 (S. M.)	Avani ...	4 Au	15	31	6 S	14	Bhadrachada ...	1 Au	12	54 48	...	41 49	12	57 52	122 56 19							
K. 1030 (N. M.)	Purattasi ...	7 S	15	31	2 O	15	Asvina ...	3 S	11	26 38	...	22 38	14	56 25	152 28 3							
52 g., 24 p.	Aippasi ...	2 O	16	30	4 N	14	Kartika ...	4 O	10	53 28	...	4 38	16	54 59	181 59 54							
B. S. 1261	Kartigai ...	5 N	15	29	5 D	13	Margasira ...	6 N	9	30 18	...	45 13	18	53 33	211 31 44							
(N.) Kshaya	Margali ...	6 D	14	30	7 Ja	12	Pausa ...	1 D	9	2 10	...	22 47	20	52 7	241 3 34							
A. D. 1856	Tai ...	1 Ja	13	29	1 F	10	Magha ...	2 Ja	7	33 59	...	56 13	22	50 40	270 35 24							
H. 1273	Masi ...	2 F	11	30	3 Mr	11	Phalguna ...	4 F	6	5 49	...	25 21	24	49 14	300 7 14							
Sep. 1	Panguni ...	4 Mr	12	30	5 Ap	10	Chaitra ...	5 Mr	6	37 39	...	50 33	26	47 47	329 39 4							
								7 Ap	5	9 29	...	13 47	1	13 4	359 10 54			0 day, 21 ghat., 36 palas.	0 " 40 " 12 "			
K. Y. 4957	Chittirai...	6 Ap	11	31	1 My	11	Vaisakha ...	1 My	4	41 19	...	34 7	3	11 38	23 27 13							
Sak. 1778	Vaikasi ...	2 My	12	31	4 Je	11	Jyeshtha ...	3 Je	3	13 9	...	55 45	5	10 11	52 59 8							
Vik. 1913	Ani ...	5 Je	12	32	1 Ji	13	Ashada ...	4 Ji	2	44 59	...	19 49	7	8 45	82 30 53							
(S.) Anala	Adi ...	2 Ji	14	32	5 Au	14	Sravana ...	6 Au	1	16 50	...	48 26	9	7 19	112 2 43							
K. 1031 (S. M.)	Avani ...	6 Au	15	31	1 S	14	Bhadrachada ...	7 Au	30	48 40	...	23 15	11	5 52	141 34 33							
K. 1031 (N. M.)	Purattasi ...	2 S	15	30	3 O	14	Asvina ...	2 S	29	20 30	...	4 19	13	4 26	171 6 23							
7 g., 55 p.	Aippasi ...	4 O	15	30	5 N	13	Kartika ...	3 O	28	52 20	...	49 46	15	2 59	200 38 13							
B. S. 1262	Kartigai ...	6 N	14	29	6 D	12	Margasira ...	5 N	27	24 10	...	35 51	17	1 33	230 10 3							
(N.) Prabhava	Margali ...	7 D	13	30	1 Ja	11	Pausa ...	6 D	26	56 0	...	27 19	19	0 6	259 41 54							
A. D. 1857	Tai ...	2 Ja	12	29	2 F	9	Magha ...	1 Ja	25	27 50	...	56 59	20	58 40	289 13 44							
H. 1274	Masi ...	3 F	10	30	4 Mr	11	Phalguna ...	2 F	23	59 40	...	28 35	22	57 14	318 45 34							
Aug. 22	Panguni ...	5 Mr	12	30	6 Ap	10	Chaitra ...	4 Mr	25	31 30	...	54 25	24	55 47	348 17 24			1 day, 45 ghat., 16 palas.	3 " 15 " 52 "			
K. Y. 4958	Chittirai...	7 Ap	11	31	2 My	11	Vaisakha ...	6 Ap	24	3 22	...	15 47	26	54 21	12 39 43							
Sak. 1779	Vaikasi ...	3 My	12	32	6 Je	12	Jyeshtha ...	7 My	23	35 11	...	34 23	1	19 38	42 5 33							
Vik. 1914	Ani ...	7 Je	13	31	2 Ji	13	Ashada ...	2 Je	22	7 121	...	52 36	3	18 12	71 37 23							
(S.) Pingala	Adi ...	3 Ji	14	32	6 Au	14	Sravana ...	3 Ji	21	38 51	...	12 19	5	16 45	101 9 12							
K. 1032 (S. M.)	Avani ...	7 Au	15	31	2 S	14	Bhadrachada ...	5 Au	20	10 41	...	37 43	7	15 19	130 41 3							
K. 1032 (N. M.)	Purattasi ...	3 S	15	30	4 O	14	Asvina ...	6 S	18	42 31	...	9 16	9	13 52	160 12 59							
23 g., 26 p.	Aippasi ...	5 O	15	30	6 N	13	Kartika ...	1 O	18	14 21	...	48 29	11	12 26	189 44 43							
B. S. 1263	Kartigai ...	7 N	14	30	1 D	13	Margasira ...	2 N	16	46 11	...	34 21	13	11 0	219 16 93							
(N.) Sukla	Margali ...	2 D	14	29	2 Ja	11	Pausa ...	4 D	16	18 2	...	23 33	15	9 33	248 48 23							
A. D. 1858	Tai ...	3 Ja	12	30	4 F	10	Magha ...	5 Ja	14	49 52	...	11 13	17	8 7	278 20 14							
H. 1275	Masi ...	5 F	11	29	5 Mr	11	Phalguna ...	7 F	13	21 42	...	53 19	19	6 40	307 52 4							
Aug. 11	Panguni ...	6 Mr	12	31	5 Ap	11	Chaitra ...	1 Mr	14	53 32	...	28 1	21	5 14	337 23 54			0 day, 56 ghat., 23 palas.	1 " 44 " 54 "			
K. Y. 4959	Chittirai...	2 Ap	12	31	4 My	12	Vaisakha ...	3 Ap	13	25 22	...	55 32	23	3 48	1 40 13							
Sak. 1780	Vaikasi ...	5 My	13	31	7 Je	12	Jyeshtha ...	4 My	12	57 12	...	17 15	25	2 21	31 12 3							
Vik. 1915	Ani ...	1 Je	13	32	4 Ji	14	Ashada ...	6 Je	11	29 2	...	35 26	27	0 55	60 43 53							
(S.) Kalayukta	Adi ...	5 Ji	15	31	7 Au	14	Sravana ...	1 Ji	11	0 52	...	51 47	1	26 12	90 15 43							
K. 1033 (S. M.)	Avani ...	1 Au	15	31	3 S	14	Bhadrachada ...	2 Au	9	32 42	...	0 59	3	24 45	119 47 33							
K. 1033 (N. M.)	Purattasi ...	4 S	15	31	6 O	15	Asvina ...	4 S	8	4 33	...	32 22	5	23 19	149 19 23							
38 g., 57 p.	Aippasi ...	7 O	16	29	7 N	13	Kartika ...	5 O	7	36 23	...	0 58	7	21 53	178 51 13							
B. S. 1264	Kartigai ...	1 N	14	30	2 D	13	Margasira ...	7 N	6	8 13	...	37 6	9	20 25	208 23 3							
(N.) Pramoda	Margali ...	3 D	14	29	3 Ja	11	Pausa ...	1 D	5	40 3	...	20 48	11	19 0	237 54 53							
A. D. 1859	Tai ...	4 Ja	12	30	5 F	10	Magha ...	3 Ja	4	11 53	...	9 43	13	17 33	267 26 43							
H. 1276	Masi ...	6 F	11	30	7 Mr	12	Phalguna ...	4 F	2	43 43	...	59 18	15	16 7	296 58 33							
July 31	Panguni ...	1 Mr	13	30	2 Ap	11	Chaitra ...	6 Mr	4	15 33	...	44 29	17	14 41	326 30 24							
								7 Ap	2	47 23	...	22 23	19	13 14	356 2 14			0 day, 7 ghat., 30 palas.	0 " 13 " 57 "			
K. Y. 4960	Chittirai...	3 Ap	12	31	5 My	12	Vaisakha ...	2 My	2	19 14	...	52 36	21	11 48	20 18 33							
Sak. 1781	Vaikasi ...	6 My	13	31	1 Je	12	Jyeshtha ...	3 My	31	51 4	...	16 3	23	10 21	49 50 23							
Vik. 1916	Ani ...	2 Je	13	32	5 Ji	14	Ashada ...	5 Je	30	22 54	...	35 11	25	8 55	70 22 13							
(S.) Siddharthi	Adi ...	6 Ji	15	31	1 Au	14	Sravana ...	6 Ji	29	54 44	...	52 21	27	7 29	108 54 3							
K. 1034 (S. M.)	Avani ...	2 Au	15	31	4 S	14	Bhadrachada ...	1 Au	28	26 34	...	10 17	1	32 46	138 25 53							
K. 1034 (N. M.)	Purattasi ...	5 S	15	31	7 O	15	Asvina ...	2 S	26	58 24	...	31 36	3	31 19	167 57 43							
54 g., 29 p.	Aippasi ...	1 O	16	30	2 N	14	Kartika ...	4 O	26	30 14	...	25 0	5	29 52	197 29 33							
B. S. 1265	Kartigai ...	3 N	15	29	3 D	13	Margasira ...	6 N	25	2 4 24	...	30 58	7	28 26	227 1 23							
(N.) Prapapati	Margali ...	4 D	14	30	4 Ja	12	Pausa ...	7 D	24	33 54	...	10 52	9	27 0	256 33 13							
A. D. 1860	Tai ...	6 Ja	13	29	6 F	10	Magha ...	2 Ja	23	5 45	...	57 7	11	25 34	286 5 3							
H. 1277	Masi ...	7 F	11	30	1 Mr	11	Phalguna ...	3 F	21	37 35	...	44 32	13	24 7	315 36 54							
July 20	Panguni ...	2 Mr	12	30	3 Ap	10	Chaitra ...	5 Mr	22	9 25	...	30 40	15	22 41	345 8 44			1 day, 31 ghat., 9 palas.	2 " 49 " 51 "			



TABLE XII.—General Ephemeris A.D. 1865—A.D. 1870.

Commence- ment of years in dif- ferent eras.		Tamil month.	Tamil Month						Lunar month.	New Moon		Ending moment of New Moon Tithi.		('s Anom. 's Anom.		Deduct for Nakshatras	Deduct for Yogas.			
			Beginning			End				Mean	Actual	Ghatikas Palas	Day (actual)	Ghatikas Palas	Day			Ghatikas Palas	Day	Ghatikas Palas
			Week-day Month	Day	Last day	Week-day Month	Day	Week-day Month												
K. Y. 4966	Chittirai	3 Ap	11	31	5 M	11	Vaisakha	...	3 Ap	25	35 2	34 12	2 5 28	14 1 12	1 day, 2 ghat., 55 palas.	1 " 57 "				
Sak. 1787	Vaikasi	6 My	12	32	2 Je	12	Jyeshtha	...	5 My	25	6 52 24	54 5	4 4 1	43 33 2						
Vik. 1922	Ani	3 Je	13	31	5 Ji	13	Ashada	...	6 Je	23	38 42	16 11	6 2 35	73 4 52						
(S.) Krodhana.	Adi	6 Ji	14	32	2 Au	14	Sravana	...	1 Ji	23	10 33 22	42 0	8 1 8	102 36 42						
K. 1040 (S. M.)	Avani	3 Au	15	31	5 S	14	Bhadrapada	...	2 Au	21	42 23	13 32	9 59 41	132 8 32						
K. 1340 (N. M.)	Purattasi	6 S	15	30	7 O	14	Asvina	...	4 S	20	14 13 19	52 28	11 58 16	161 40 22						
27 g., 36 p.	Aippasi	1 O	15	30	2 N	13	Kartika	...	5 O	19	46 3	35 55	13 56 49	191 12 13						
B. S. 1271	Kartigai	3 N	14	30	4 D	13	Margasira	...	7 N	18	17 53	22 44	15 55 23	220 44 3						
(N.) Isvara	Margali	5 D	14	29	5 Ja	11	Pausa	...	1 D	17	49 43 18	8 18	17 53 56	250 15 53						
A. D. 1866	Tai	6 Ja	12	30	7 F	10	Magha	...	3 Ja	16	21 33	49 20	19 52 30	279 47 43						
H. 1283	Masi	1 F	11	29	1 Mr	11	Phalguna	...	4 F	14	53 23 15	24 8	21 51 4	309 19 33	0 day, 14 ghat., 2 palas.	0 " 26 " 8 "				
May 15	Panguni	2 Mr	12	31	4 Ap	11	Chaitra	...	6 Mr	16	25 14	54 14	23 49 37	338 51 23						
K. Y. 4967	Chittirai	5 Ap	12	31	7 My	12	Vaisakha	...	7 Ap	14	57 4 15	15 36	25 48 11	3 7 42						
Sak. 1788	Vaikasi	1 My	13	31	3 Je	12	Jyeshtha	...	2 My	14	28 54	34 56	0 13 28	32 39 32						
Vik. 1923	Ani	4 Je	13	32	7 Ji	14	Ashada	...	5 Ji	12	32 34	11 23	4 10 35	91 43 12						
(S.) Kshaya	Adi	1 Ji	15	31	3 Au	14	Sravana	...	7 Au	11	4 24 10	33 33	6 9 9	121 15 2						
K. 1041 (S. M.)	Avani	4 Au	15	31	6 S	14	Bhadrapada	...	1 S	9	36 14	1 42	8 7 42	150 46 52						
K. 1041 (N. M.)	Purattasi	7 S	15	31	2 O	15	Asvina	...	3 O	9	8 4 8	37 52	10 6 16	180 18 42						
43 g., 7 p.	Aippasi	3 O	16	30	4 N	14	Kartika	...	4 N	7	39 54	20 18	12 4 49	209 50 33						
B. S. 1272	Kartigai	5 N	15	29	5 D	13	Margasira	...	6 D	7	11 45	8 44	14 3 23	239 22 23						
(N.) Bahudhanya.	Margali	6 D	14	29	6 Ja	11	Pausa	...	7 Ja	5	43 35	54 2	16 1 57	268 54 13						
A. D. 1867	Tai	7 Ja	12	30	1 F	10	Magha	...	2 F	4	15 25	43 20	18 0 30	298 26 3						
H. 1284	Masi	2 F	11	30	3 Mr	12	Phalguna	...	3 Mr	5	47 15	60	19 59 4	327 57 53						
May 5	Panguni	4 Mr	13	30	5 Ap	11	Chaitra	...	5 Ap	4	19 5	53 5	21 57 38	357 29 43			1 day, 37 ghat., 42 palas.	3 " 1 " 47 "		
K. Y. 4968	Chittirai	6 Ap	12	31	1 My	12	Vaisakha	...	6 My	3	50 55 4	16 39	23 56 11	21 46 2						
Sak. 1789	Vaikasi	2 My	13	31	4 Je	12	Jyeshtha	...	1 Je	2	22 45	35 59	25 51 44	51 17 52						
Vik. 1924	Ani	5 Je	13	32	1 Ji	14	Ashada	...	2 Ji	1	54 35	52 48	0 90 2	80 49 42						
(S.) Prabhava	Adi	2 Ji	15	31	4 Au	14	Sravana	...	4 Ji	31	26 25	9 53	2 18 35	110 21 32						
K. 1042 (S. M.)	Avani	5 Au	15	31	7 S	14	Bhadrapada	...	5 Au	29	58 16	30 2	4 17 19	139 53 23						
K. 1042 (N. M.)	Purattasi	1 S	15	31	3 O	15	Asvina	...	7 S	28	30 6 27	55 28	6 15 42	169 25 13						
53 g., 39 p.	Aippasi	4 O	16	30	5 N	14	Kartika	...	2 O	28	1 56 27	27 57	8 14 16	198 57 3						
B. S. 1273	Kartigai	6 N	15	29	6 D	13	Margasira	...	3 N	26	33 46	8 8	10 12 50	228 28 53						
(N.) Pramathin.	Margali	7 D	14	30	1 Ja	12	Pausa	...	5 D	26	5 36 25	58 33	12 11 23	258 0 43						
A. D. 1868	Tai	2 Ja	13	29	2 F	10	Magha	...	6 Ja	24	37 26	44 45	14 9 57	287 32 33						
H. 1285	Masi	3 F	11	30	4 Mr	11	Phalguna	...	1 F	23	9 16	32 24	16 8 30	317 4 23						
April 24	Panguni	5 Mr	12	30	6 Ap	10	Chaitra	...	2 Mr	23	41 6 24	13 56	18 7 4	346 36 13	0 day, 48 ghat., 49 palas.	1 " 30 " 50 "				
K. Y. 4969	Chittirai	7 Ap	11	31	2 My	11	Vaisakha	...	4 Ap	22	12 57	47 46	20 5 38	10 52 32						
Sak. 1790	Vaikasi	3 My	12	32	6 Je	12	Jyeshtha	...	5 My	21	44 47 23	14 8	22 4 12	40 24 22						
Vik. 1925	Ani	7 Je	13	32	2 Ji	13	Ashada	...	7 Je	20	16 37	35 39	24 2 45	69 56 12						
(S.) Vibhava	Adi	3 Ji	14	32	6 Au	14	Sravana	...	1 Ji	19	48 27	53 9	26 1 18	99 28 2						
K. 1043 (S. M.)	Avani	7 Au	15	31	2 S	14	Bhadrapada	...	3 Au	18	20 17	10 41	0 26 35	128 59 52						
K. 1043 (N. M.)	Purattasi	3 S	15	30	4 O	14	Asvina	...	4 S	16	52 7	31 33	2 25 9	158 31 42						
14 g., 10 p.	Aippasi	5 O	15	30	6 N	13	Kartika	...	6 O	16	23 57 15	54 19	4 23 43	188 3 32						
B. S. 1274	Kartigai	7 N	14	30	1 D	13	Margasira	...	7 N	14	55 48	24 14	6 22 16	217 35 23						
(N.) Vikrama	Margali	2 D	14	29	2 Ja	11	Pausa	...	2 D	14	27 38	0 31	8 20 50	247 7 13						
A. D. 1869	Tai	3 Ja	12	29	3 F	9	Magha	...	3 Ja	12	59 23	43 22	10 19 24	276 39 3						
H. 1286	Masi	4 F	10	30	5 Mr	11	Phalguna	...	5 F	11	31 18	30 16	12 17 59	306 10 53						
April 13	Panguni	6 Mr	12	30	7 Ap	10	Chaitra	...	7 Mr	13	3 8	17 27	14 16 31	335 42 43	2 days, 12 ghat., 28 palas.	4 " 6 " 29 "				
K. Y. 4970	Chittirai	1 Ap	11	31	3 My	11	Vaisakha	...	1 Ap	11	34 58 12	0 43	16 15 4	365 14 33						
Sak. 1791	Vaikasi	4 My	12	32	7 Je	12	Jyeshtha	...	3 My	11	6 48	37 31	18 13 38	29 30 52						
Vik. 1926	Ani	1 Je	13	31	3 Ji	13	Ashada	...	4 Je	9	38 39 10	7 16	20 12 12	59 2 42						
(S.) Sukla	Adi	4 Ji	14	32	7 Au	14	Sravana	...	6 Ji	9	10 29	53 11	24 9 19	118 6 22						
K. 1044 (S. M.)	Avani	1 Au	15	31	3 S	14	Bhadrapada	...	7 Au	7	42 19	61 20	24 9 19	118 6 22						
K. 1044 (N. M.)	Purattasi	4 S	15	30	5 O	14	Asvina	...	2 S	6	14 9	12 31	26 7 52	147 38 12						
29 g., 41 p.	Aippasi	6 O	15	30	7 N	13	Kartika	...	3 O	5	45 59	33 22	9 33 9	177 10 2						
B. S. 1275	Kartigai	1 N	14	30	2 D	13	Margasira	...	5 N	4	17 49 3	56 57	2 31 43	206 41 52						
(N.) Vrisha	Margali	3 D	14	29	3 Ja	11	Pausa	...	6 D	3	49 39	24 46	4 30 17	236 13 43						
A. D. 1870	Tai	4 Ja	12	30	5 F	10	Magha	...	1 Ja	2	21 29	1 57 38	6 28 50	265 45 33						
H. 1287	Masi	6 F	11	29	6 Mr	11	Phalguna	...	2 Ja	31	53 19	35 14	8 27 24	295 17 23						
April 2, 3	Panguni	7 Mr	12	31	2 Ap	11	Chaitra	...	4 Mr	2	25 9	16 50	10 25 57	324 49 13						
									5 Mr	31	56 59	Ap 1	0 21	12 24 31			354 21 3			

TABLE XII.—General Ephemeris A.D. 1870—A.D. 1875.

Commence- ment of years in dif- ferent eras.	Tamil month.	Tamil Month						Lunar month.	New Moon Ending moment of New Moon Tithi. (°'s Anom. ☉'s Anom.)										Deduct for Nakshatras	Deduct for Yogas.	
		Beginning			End				Mean					Actual							
		Week-day	Month	Day	Week-day	Month	Day		Week-day	Month	Day (mean)	Ghatikas	Palas	Day (actual)	Ghatikas	Palas	Day	Ghatikas			Palas
K. Y. 4971	Chittirai...	3	Ap	12	31	5	My	12	Vaisakha ...	7	Ap	30	28 49 ...	42 58	14 23 8	18 37 22					
Sak. 1792	Vaikasi ...	6	My	13	31	1	Je	12	Jyeshtha ...	2	My	30	0 40 ...	21 46	16 21 38	48 9 12					
Vik. 1927	Ani ...	2	Je	13	32	5	Jl	14	Ashada ...	3	Je	28	32 30 ...	55 24	18 20 12	77 41 2					
(S.) Pramoda	Adi ...	6	Jl	15	31	1	Au	14	Shravana ...	5	Jl	28	4 20 ...	24 21	20 18 45	107 12 52					
K. 1045 (S.M.)	Avani ...	2	Au	15	31	4	S	14	Bhadrapada ...	6	Au	26	36 10 ...	50 2	22 17 19	136 44 42					
K. 1045 (N.M.)	Purattasi ...	5	S	15	31	7	O	15	Asvina ...	1	S	25	8 0 ...	13 59	24 15 53	166 16 32					
45 g, 12 p.	Aippasi ...	1	O	16	30	2	N	14	Kartika ...	2	O	24	39 50 ...	37 37	26 14 27	195 48 22					
B.S. 1276	Kartigai ...	3	N	15	29	3	D	13	Margasira ...	4	N	23	11 40 ...	2 13	0 39 43	225 20 12					
(N.) Chitrabhanu	Margali ...	4	D	14	29	4	Ja	11	Pausa ...	5	D	22	43 31 ...	28 58	2 38 17	254 52 2					
A. D. 1871	Tai ...	5	Ja	12	30	6	F	10	Magha ...	7	Ja	21	15 21 20	58 25	4 36 50	284 23 53					
H. 1288	Masi ...	7	F	11	30	1	Mr	12	Phalgun ...	1	F	19	47 11 ...	30 48	6 35 24	313 55 43					
Mr. 23	Panguni ...	2	Mr	13	30	3	Ap	11	Chaitra ...	3	Mr	21	19 1 ...	6 7	8 33 58	343 27 33					
K. Y. 4972	Chittirai...	4	Ap	12	31	6	My	12	Vaisakha ...	4	Ap	19	50 51 ...	43 54	10 32 31	7 43 52					
Sak. 1793	Vaikasi ...	7	My	13	31	2	Je	12	Jyeshtha ...	6	My	19	22 41 ...	22 59	12 31 5	37 15 42					
Vik. 1928	Ani ...	3	Je	13	32	6	Jl	14	Ashada ...	7	Je	17	54 31 18	1 47	14 29 38	66 47 32					
(S.) Prajapati	Adi ...	7	Jl	15	31	2	Au	14	Shravana ...	2	Jl	17	26 21 ...	38 38	16 28 12	96 19 22					
K. 1046 (S.M.)	Avani ...	3	Au	15	31	5	S	14	Bhadrapada ...	3	Au	15	58 11 16	12 55	18 26 46	125 51 12					
K. 1046 (N.M.)	Purattasi ...	6	S	15	31	1	O	15	Asvina ...	7	O	14	1 52 ...	13 32	22 23 53	184 54 52					
0 g, 44 p.	Aippasi ...	2	O	16	30	3	N	14	Kartika ...	1	N	12	33 42 ...	41 41	24 22 26	214 26 42					
B. S. 1277	Kartigai ...	4	N	15	29	4	D	13	Margasira ...	3	D	12	5 22 ...	8 33	26 21 0	243 58 33					
(N.) Subhannu	Margali ...	5	D	14	29	6	Ja	12	Pausa ...	4	Ja	10	37 22 ...	35 6	0 46 17	273 30 23					
A. D. 1872	Tai ...	7	Ja	13	29	7	F	10	Magha ...	6	F	9	9 12 ...	1 55	2 44 51	303 2 13					
H. 1289	Masi ...	1	F	11	30	2	Mr	11	Phalgun ...	7	Mr	9	41 2 ...	29 34	4 43 24	332 34 3					
Mr. 11	Panguni ...	3	Mr	12	30	4	Ap	10	Chaitra ...	2	Ap	8	12 52 7	58 45	6 41 58	362 5 53					
K. Y. 4973	Chittirai...	5	Ap	11	31	7	My	11	Vaisakha ...	3	My	7	44 42 ...	30 3	8 40 31	26 22 12					
Sak. 1794	Vaikasi ...	1	My	12	32	4	Je	12	Jyeshtha ...	5	Je	6	16 33 ...	3 55	10 39 5	55 54 2					
Vik. 1929	Ani ...	5	Je	13	31	7	Jl	13	Ashada ...	6	Jl	5	48 23 ...	40 17	12 37 39	85 25 52					
(S.) Angirasa	Adi ...	1	Jl	14	32	4	Au	14	Shravana ...	1	Au	4	20 13 ...	19 8	14 36 12	114 57 42					
K. 1047 (S.M.)	Avani ...	5	Au	15	31	7	S	14	Bhadrapada ...	2	S	2	52 3 ...	57 40	16 34 40	144 29 32					
K. 1047 (N.M.)	Purattasi ...	1	S	15	30	2	O	14	Asvina ...	4	O	2	23 53 ...	35 39	18 33 19	174 1 22					
16 g, 15 p.	Aippasi ...	3	O	15	30	4	N	13	Kartika ...	5	O	31	55 43 N.10	11 20	20 31 53	203 33 12					
B. S. 1278	Kartigai ...	5	N	14	30	6	D	13	Margasira ...	7	N	30	27 39 ...	44 16	22 30 27	233 5 2					
(N.) Tarana	Margali ...	7	D	14	29	7	Ja	11	Pausa ...	1	D	29	59 23 30	14 55	24 29 0	262 36 52					
A. D. 1873	Tai ...	1	Ja	12	29	1	F	9	Magha ...	3	Ja	28	31 14 ...	41 40	26 27 34	292 8 42					
H. 1290	Masi ...	2	F	10	30	3	Mr	11	Phalgun ...	5	F	27	3 4 ...	6 47	0 52 51	321 40 32					
Mr. 1	Panguni ...	4	Mr	12	31	6	Ap	11	Chaitra ...	6	Mr	28	34 54 ...	30 42	2 51 24	351 12 22					
K. Y. 4974	Chittirai...	7	Ap	12	30	1	My	11	Vaisakha ...	1	Ap	27	6 44 26	54 41	4 49 58	15 28 41					
Sak. 1795	Vaikasi ...	2	My	12	32	5	Je	12	Jyeshtha ...	2	My	26	38 34 ...	20 3	6 48 32	45 0 31					
Vik. 1930	Ani ...	6	Je	13	31	1	Jl	13	Ashada ...	4	Je	25	10 24 24	48 14	8 47 5	74 32 21					
(S.) Srimukha	Adi ...	2	Jl	14	32	5	Au	14	Shravana ...	5	Jl	24	42 14 ...	20 43	10 45 39	104 4 12					
K. 1048 (S.M.)	Avani ...	6	Au	15	31	1	S	14	Bhadrapada ...	7	Au	23	14 4 22	58 15	12 44 13	133 36 2					
K. 1048 (N.M.)	Purattasi ...	2	S	15	30	3	O	14	Asvina ...	1	S	21	45 58 ...	40 3	14 42 46	163 7 52					
31 g, 46 p.	Aippasi ...	4	O	15	30	5	N	13	Kartika ...	3	O	21	17 45 ...	23 23	16 41 20	192 39 42					
B. S. 1279	Kartigai ...	6	N	14	30	7	D	13	Margasira ...	4	N	19	49 35 20	5 26	18 39 53	222 11 32					
(N.) Parthiva	Margali ...	1	D	14	29	1	Ja	11	Pausa ...	6	D	19	21 25 ...	44 1	20 38 26	251 43 22					
A. D. 1874	Tai ...	2	Ja	12	30	3	F	10	Magha ...	7	Ja	17	53 15 18	18 0	22 37 0	281 15 12					
H. 1291	Masi ...	4	F	11	29	4	Mr	11	Phalgun ...	2	F	16	25 5 ...	46 56	24 35 34	310 47 2					
Feb. 18	Panguni ...	5	Mr	12	31	7	Ap	11	Chaitra ...	3	Mr	17	56 55 18	12 32	26 34 8	340 18 52					
K. Y. 4975	Chittirai...	1	Ap	12	31	3	My	12	Vaisakha ...	5	Ap	16	28 45 ...	33 4	0 59 25	4 35 11					
Sak. 1796	Vaikasi ...	4	My	13	31	6	Je	12	Jyeshtha ...	7	My	16	0 35 15	53 11	2 57 58	34 7 1					
Vik. 1931	Ani ...	7	Je	13	32	3	Jl	14	Ashada ...	1	Je	14	32 26 ...	13 51	4 56 32	63 38 51					
(S.) Bhava	Adi ...	4	Jl	15	31	6	Au	14	Shravana ...	3	Jl	14	4 16 13	37 13	6 55 6	93 10 42					
K. 1049 (S.M.)	Avani ...	7	Au	15	31	2	S	14	Bhadrapada ...	6	S	11	7 56 10	40 38	10 52 13	152 14 32					
K. 1049 (N.M.)	Purattasi ...	3	S	15	31	5	O	15	Asvina ...	7	O	10	39 46 ...	22 23	12 50 46	181 46 12					
47 g, 17 p.	Aippasi ...	6	O	16	30	7	N	14	Kartika ...	2	N	9	11 36 ...	8 56	14 49 20	211 18 2					
B. S. 1280	Kartigai ...	1	N	15	29	1	D	13	Margasira ...	3	D	8	43 26 ...	56 0	16 47 54	240 49 52					
(N.) Vyava	Margali ...	2	D	14	29	2	Ja	11	Pausa ...	5	Ja	7	15 16 ...	40 0	18 46 27	270 21 42					
A. D. 1875	Tai ...	3	Ja	12	30	4	F	10	Magha ...	6	F	5	47 6 6	18 6	20 45 1	299 53 32					
H. 1292	Masi ...	5	F	11	30	6	Mr	12	Phalgun ...	1	Mr	7	18 56 ...	49 28	22 43 34	329 25 22					
Feb. 7	Panguni ...	7	Mr	13	30	1	Ap	11	Chaitra ...	2	Ap	5	50 46 6	14 44	24 12 8	358 57 11					



New Moon
Ending moment
of New Moon Tithi. ☾'s Anom. ☉'s Anom.
Mean Actual

Commence- ment of years in dif- ferent eras.	Tamil month.	Tamil Month						Lunar Month.	of New Moon Tithi. (C's Anom. O's Anom.)												Deduct for Narshatras	Deduct for Yogas.
		Beginning			End				Mean Actual													
		Week-day	Month	Day	Last Day	Week-day	Month		Day	Week-day	Month	Day (mean)	Ghatikas	Palas	Day (actual)	Ghatikas	Palas	Day	Ghatikas	Palas		
K. Y. 4976 Sak. 1797 Vik. 1932 (S.) Yuva K. 1050 (S. M.) K. 1050 (N. M.) 2 g. 49 p. B. S. 1281 (N.) Sarvajit A. D. 1876 H. 1293 Ja. 28	Chittirai... Vaikasi ... Ani ... Adi ... Avani ... Purattasi ... Aippasi ... Kartigai ... Margali ... Tai ... Masi ... Panguni ...	2 Ap 12 31 5 My 13 31 1 Je 13 32 7 Au 15 31 1 Au 15 31 4 S 15 31 7 O 16 30 2 N 15 29 3 D 14 30 5 Ja 13 29 6 F 11 30 1 Mr 12 30	4 My 12 31 7 Je 12 31 4 Ji 14 31 7 Au 14 31 3 S 14 31 6 O 15 31 1 N 14 31 2 D 13 31 4 Ja 12 31 5 F 10 31 7 Mr 11 31 2 Ap 10 31	Vaisakha ... Jyesta ... Ashada ... Shravana ... Bhadrapada ... Asvina ... Kartika ... Margasira ... Pausa ... Magha ... Phalgun ... Chaitra ...	4 My 5 5 Je 3 7 Ji 3 1 Au 1 3 Au 31 5 S 30 6 O 29 1 N 28 2 D 27 4 Ja 26 5 F 24 7 Mr 25	22 36 ... 54 27 ... 26 17 ... 58 7 ... 29 57 30 1 47 29 33 37 ... 5 27 27 37 17 ... 9 8 ... 40 58 25 12 48 ...	35 23 53 18 10 56 30 57 55 57 27 50 7 30 53 54 43 37 31 33 13 24 47 54	26 40 42 1 5 59 3 4 32 5 3 6 7 1 39 9 0 13 10 58 47 12 57 20 14 55 54 16 54 27 18 53 1 20 51 35 22 50 8	23 13 31 52 45 21 82 17 11 141 20 52 170 52 42 200 24 32 229 56 22 259 28 12 289 0 2 318 31 52 348 3 42	1 day, 44 ghat., 14 palas. 3 " 13 " 58 "												
K. Y. 4977 Sak. 1798 Vik. 1933 (S.) Dhatri K. 1051 (S. M.) K. 1051 (N. M.) 19 g. 20 p. B. S. 1282 (N.) Sarvadarin A. D. 1877 H. 1294 Ja. 16	Chittirai... Vaikasi ... Ani ... Adi ... Avani ... Purattasi ... Aippasi ... Kartigai ... Margali ... Tai ... Masi ... Panguni ...	3 Ap 11 31 6 My 12 32 3 Je 13 31 6 Ji 14 32 3 Au 15 31 6 S 15 30 1 O 15 30 3 N 14 30 5 D 14 29 6 Ja 12 29 7 F 10 30 2 Mr 12 31	5 My 11 31 2 Je 12 31 5 Ji 13 31 2 Au 14 31 5 S 14 31 7 O 14 31 2 N 13 31 4 D 13 31 5 Ja 11 31 6 F 9 31 1 Mr 11 31 4 Ap 11 31	Vaisakha ... Jyesta ... Ashada ... Shravana ... Bhadrapada ... Asvina ... Kartika ... Margasira ... Pausa ... Magha ... Phalgun ... Chaitra ...	1 Ap 23 3 My 23 4 Je 21 6 Ji 21 7 Au 19 2 S 18 3 O 17 5 N 16 6 D 15 1 Ja 14 3 F 13 4 Mr 14	44 38 24 16 28 ... 48 18 ... 20 8 ... 51 58 ... 23 49 17 55 39 ... 27 29 15 59 19 ... 31 9 ... 2 59 ... 34 49 15 6 39 ...	11 8 36 14 53 52 10 27 28 54 51 38 20 42 57 8 40 57 29 42 17 25 3 35	18 59 29 26 48 42 12 32 3 11 5 5 9 38 9 6 44 11 5 17 13 3 50 15 2 23 17 0 56	1 26 31 41 51 51 100 55 31 130 27 21 159 59 11 219 2 52 248 34 42 278 6 32 307 38 29 337 10 12	0 day, 55 ghat., 21 palas. 1 " 43 " 0 "												
K. Y. 4978 Sak. 1799 Vik. 1934 (S.) Isvara K. 1052 (S. M.) K. 1052 (N. M.) 33 g. 51 p. B. S. 1283 (N.) Virodhin A. D. 1878 H. 1295 Ja. 5	Chittirai... Vaikasi ... Ani ... Adi ... Avani ... Purattasi ... Aippasi ... Kartigai ... Margali ... Tai ... Masi ... Panguni ...	5 Ap 12 30 7 My 12 32 4 Je 13 31 7 Ji 14 32 4 Au 15 31 7 S 15 30 2 O 15 30 4 N 14 30 6 D 14 29 7 Ja 12 30 2 F 11 29 3 Mr 12 31	6 My 11 31 3 Je 12 31 6 Ji 13 31 3 Au 14 31 6 S 14 31 1 O 14 31 3 N 13 31 5 D 13 31 6 Ja 11 31 1 F 10 31 2 Mr 11 31 5 Ap 11 31	Vaisakha ... Jyesta ... Ashada ... Shravana ... Bhadrapada ... Asvina ... Kartika ... Margasira ... Pausa ... Magha ... Phalgun ... Chaitra ...	6 Ap 13 7 My 12 2 Je 11 3 Ji 10 5 Au 9 6 S 7 1 O 7 2 N 5 4 D 5 5 Ja 5 7 F 2 1 Mr 3 3 Ap 2	6 39 ... 38 29 13 10 19 ... 42 10 ... 14 0 ... 45 50 ... 17 40 6 49 30 ... 21 30 4 53 30 ... 2 25 0 3 56 50 4 28 40 ...	41 1 36 14 53 52 10 27 51 58 ... 23 49 17 55 39 ... 27 29 15 59 19 ... 31 9 ... 2 59 ... 34 49 15 6 39 ...	18 59 29 26 48 42 12 32 3 11 5 5 9 38 9 6 44 11 5 17 13 3 50 15 2 23 17 0 56	1 26 31 41 51 51 100 55 31 130 27 21 159 59 11 219 2 52 248 34 42 278 6 32 307 38 29 337 10 12	0 day, 6 ghat., 28 palas. 0 " 12 " 3 "												
K. Y. 4979 Sak. 1800 Vik. 1935 (S.) Bahudhanya K. 1053 (S. M.) K. 1053 (N. M.) 49 g. 22 p. B. S. 1284 (N.) Vikrita A. D. 1879 H. 1297 Dec. 15	Chittirai... Vaikasi ... Ani ... Adi ... Avani ... Purattasi ... Aippasi ... Kartigai ... Margali ... Tai ... Masi ... Panguni ...	6 Ap 12 31 2 My 13 31 5 Je 13 32 2 Ji 15 31 5 Au 15 31 1 S 15 31 4 O 16 30 6 N 15 29 7 D 14 29 1 Ja 12 30 3 F 11 30 5 Mr 13 30	1 My 12 31 4 Je 12 31 1 Ji 14 31 4 Au 14 31 7 S 14 31 3 O 15 31 5 N 14 31 6 D 13 31	Vaisakha ... Jyesta ... Ashada ... Shravana ... Bhadrapada ... Asvina ... Kartika ... Margasira ... Pausa ... Magha ... Phalgun ... Chaitra ...	5 My 2 6 My 31 1 Je 30 2 Ji 29 4 Au 28 5 S 26 7 O 26 1 N 24 3 D 24 4 Ja 23 6 F 21 7 Mr 22	0 31 ... 32 21 Je. 1 4 11 ... 36 1 ... 7 51 ... 26 39 41 11 32 25 43 22 ... 15 12 23 24 7 2 ... 18 52 ... 50 42 ...	28 38 11 1 28 53 51 34 12 14 32 55 55 21 21 10 51 22 27 23 5 34 47 28	17 7 24 19 5 58 21 4 32 28 3 5 12 24 32 55 125 30 3 24 3 5 22 37 7 21 10 9 19 44 11 18 18	20 4 51 49 36 41 79 8 31 103 40 5 138 12 11 167 44 1 197 15 51 226 47 42 256 19 32 285 51 22 315 23 12 344 55 2	1 day, 30 ghat., 8 palas. 2 " 47 " 44 "												
K. Y. 4980 Sak. 1801 Vik. 1936 (S.) Pramathi K. 1054 (S. M.) K. 1054 (N. M.) 4 g. 54 p. B. S. 1285 (N.) Khara A. D. 1880 H. 1298 Dec. 4	Chittirai... Vaikasi ... Ani ... Adi ... Avani ... Purattasi ... Aippasi ... Kartigai ... Margali ... Tai ... Masi ... Panguni ...	7 Ap 12 31 3 My 13 31 6 Je 13 32 3 Ji 15 31 6 Au 15 32 3 S 16 30 5 O 16 30 7 N 15 29 1 D 14 30 3 Ja 13 29 4 F 11 30 6 Mr 12 30	2 My 12 31 5 Je 12 31 2 Ji 14 31 5 Au 14 31 2 S 15 31 4 O 15 31 6 N 14 31 7 D 13 31 2 Ja 12 31 3 F 10 31 5 Mr 11 31 7 Ap 10 31	Vaisakha ... Jyesta ... Ashada ... Shravana ... Bhadrapada ... Asvina ... Kartika ... Margasira ... Pausa ... Magha ... Phalgun ... Chaitra ...	2 Ap 21 3 My 20 5 Je 19 6 Ji 18 1 Au 17 3 S 16 4 O 15 6 N 14 7 D 13 2 Ja 12 3 F 10 5 Mr 11 6 Ap 9	22 32 ... 54 22 21 26 13 ... 58 3 19 29 53 ... 1 43 ... 38 33 ... 5 23 ... 37 18 ... 9 3 11 40 53 ... 12 44 10 44 34 ...	30 25 11 5 47 19 18 54 46 35 11 55 36 9 26 24 54 22 24 50 58 5 34 9	13 16 51 15 15 25 17 13 58 19 12 32 21 11 6 23 9 39 25 8 13 1 32 3 3 30 37 5 29 11 7 27 44 9 26 18	9 11 21 38 43 11 68 15 1 97 46 51 127 18 41 156 50 31 186 22 21 215 54 12 245 26 2 274 57 52 304 29 42 334 1 32 363 33 22	0 day, 41 ghat., 14 palas. 1 " 15 " 44 "												

TABLE XII.—General Ephemeris A.D. 1880—A.D. 1885.

Commence- ment of years in dif- ferent eras.	Tamil month.	Tamil Month						Lunar month.	New Moon Ending moment of New Moon Tithi (°'s Anom. ☉'s Anom.)										Deduct for Nakshatras	Deduct for Yogas.		
		Beginning		End					Mean		Actual											
		Week-day	Month	Day	Week-day	Month	Day		Week-day	Month	Day (mean)	Ghatikas	Palas	Day (actual)	Ghatikas	Palas	Day	Ghatikas	Palas			
K. Y. 4981	Chittirai	1 Ap	11	31	3 My	11		Vaisakha	1 My	9	16 24 ...	11 47	11 24 53		27 49 41							
Sak. 1802	Vaikasi	4 My	12	32	7 Je	12		Jyeshtha	2 Je	7	48 14 ...	50 28	13 23 27		57 21 31							
Vik. 1937	Ani	1 Je	13	31	3 Ji	13		Ashada	4 Ji	7	20 4 ...	28 25	15 23 0		86 53 21							
(S.) Vikrama	Adi	4 Ji	14	32	7 Au	14		Sravana	5 Au	5	51 54 6	4 25	17 20 34		116 25 11							
K. 1055 (S. M.)	Avani	1 Au	15	31	3 S	14		Bhadrapada	7 S	4	23 44 ...	38 4	19 19 8		145 57 1							
K. 1055 (N. M.)	Purattasi	4 S	15	30	5 O	14		Asvina	1 O	3	55 34 4	9 16	21 17 41		175 28 51							
20 g., 25 p.	Aippasi	6 O	15	30	7 N	13		Kartika	3 N	2	27 25 ...	38 28	23 16 15		205 0 41							
B. S. 1286	Kartigai	1 N	14	30	2 D	13		Margasira	4 D	1	59 15 20	6 9	25 14 48		234 32 32							
(N.) Nandana	Margali	3 D	14	29	3 Ja	11		Pausha	6 D	31	31 5 ...	32 59	27 13 22		264 4 22							
A. D. 1881	Tai	4 Ja	12	29	4 F	9		Magha	1 Ja	30	2 55 29	59 27	1 38 39		293 36 12							
H. 1299	Masi	5 F	10	30	6 Mr	11		Phalgun	2 F	28	34 45 ...	26 10	3 37 13		323 8 2							
Nov. 23	Panguni	7 Mr	12	31	2 Ap	11		Chaitra	4 Mr	30	6 35 29	53 50	5 35 46		352 39 52							
K. Y. 4982	Chittirai	3 Ap	12	31	5 My	12		Vaisakha	5 A	28	38 25 ...	23 39	7 34 20		16 56 11							
Sak. 1803	Vaikasi	6 My	13	31	1 Je	12		Jyeshtha	7 My	28	10 15 27	05 5	9 32 54		46 98 1							
Vik. 1938	Ani	2 Je	13	32	5 Ji	14		Ashada	1 Je	26	42 16 ...	29 58	11 31 27		75 59 51							
(S.) Vrisha	Adi	6 Ji	15	31	1 Au	14		Sravana	4 Ji	26	13 56 ...	7	13 30 1		105 31 41							
K. 1056 (S. M.)	Avani	2 Au	15	31	4 S	14		Bhadrapada	3 Au	24	45 46 ...	46 33	15 28 34		135 3 31							
K. 1056 (N. M.)	Purattasi	6 S	15	30	6 O	14		Asvina	6 S	23	17 36 ...	25 55	17 27 8		164 35 21							
35 g., 56 p.	Aippasi	7 O	15	30	1 N	13		Kartika	7 O	22	49 26 23	3 38	19 35 42		194 7 11							
B. S. 1287	Kartigai	2 N	14	30	3 D	13		Margasira	2 N	21	21 16 ...	38 40	21 24 15		223 89 1							
(N.) Vijaya	Margali	4 D	14	29	4 Ja	11		Pausha	3 D	20	52 6 21	11 14	23 22 49		253 10 52							
A. D. 1882	Tai	5 Ja	12	30	6 F	10		Magha	5 Ja	19	24 56 ...	39 22	25 21 22		282 42 42							
H. 1300	Masi	7 F	11	30	1 Mr	12		Phalgun	6 F	17	56 46 18	5 17	27 19 56		312 14 32							
Nov. 12	Panguni	2 Mr	13	30	3 Ap	11		Chaitra	1 Mr	19	28 36 ...	29 14	1 45 13		341 40 22							
K. Y. 4983	Chittirai	4 Ap	12	31	6 My	12		Vaisakha	3 Ap	18	0 27 17	52 27	3 43 47		6 2 41							
Sak. 1804	Vaikasi	7 My	13	31	2 Je	12		Jyeshtha	4 My	17	32 17 ...	16 16	5 42 20		35 34 31							
Vik. 1939	Ani	3 Je	13	32	6 Ji	14		Ashada	6 Je	16	4 7 15	42 18	7 40 54		65 6 21							
(S.) Chitrabhanu	Adi	7 Ji	15	31	2 Au	14		Sravana	7 Ji	15	35 57 ...	12 2	9 39 27		94 38 11							
K. 1057 (S. M.)	Avani	3 Au	15	31	5 S	14		Bhadrapada	2 S	12	7 47 13	47 6	11 38 1		124 10 1							
K. 1057 (N. M.)	Purattasi	6 S	15	31	1 O	15		Asvina	5 O	12	11 27 ...	10 50	15 35 8		133 18 41							
51 g., 27 p.	Aippasi	2 O	16	30	3 N	14		Kartika	6 N	10	43 17 ...	54 38	17 33 42		212 45 31							
B. S. 1288	Kartigai	4 N	15	29	4 D	13		Margasira	1 D	10	15 8 ...	35 42	19 32 15		242 17 21							
(N.) Jaya	Margali	5 D	14	30	6 Ja	12		Pausha	2 Ja	8	46 58 9	12 24	21 30 48		271 49 11							
A. D. 1883	Tai	7 Ja	13	29	7 F	10		Magha	4 F	7	18 48 ...	43 50	23 29 22		301 21 2							
H. 1301	Masi	1 F	11	30	2 Mr	12		Phalgun	5 Mr	8	50 38 9	10 18	25 27 56		330 52 52							
Nov. 2	Panguni	3 Mr	13	30	4 Ap	11		Chaitra	7 Ap	7	22 28 ...	32 46	27 26 30		360 34 42							
K. Y. 4984	Chittirai	5 Ap	12	31	7 My	12		Vaisakha	1 My	6	54 18 ...	53 54	1 51 47		24 41 1							
Sak. 1805	Vaikasi	1 My	13	31	3 Je	12		Jyeshtha	3 Je	5	26 8 ...	12 33	3 50 20		54 12 51							
Vik. 1940	Ani	4 Je	13	32	7 Ji	14		Ashada	4 Ji	4	57 59 ...	33 49	5 48 53		83 44 41							
(S.) Subhann	Adi	1 Ji	15	32	4 Au	15		Sravana	6 Au	3	29 49 2	59 20	7 47 28		113 16 31							
K. 1058 (S. M.)	Avani	5 Au	16	31	7 S	15		Bhadrapada	1 S	2	1 39 1	30 59	9 46 1		142 48 21							
K. 1058 (N. M.)	Purattasi	1 S	16	30	2 O	15		Asvina	2 O	1	33 29 ...	9 45	11 44 35		172 20 11							
6 g., 59 p.	Aippasi	3 O	16	30	4 N	14		Kartika	4 O	31	5 19 30	54 37	13 43 8		201 62 1							
B. S. 1289	Kartigai	5 N	15	29	5 D	13		Margasira	5 N	29	37 9 ...	41 29	15 41 42		231 93 51							
(N.) Manmatha	Margali	6 D	14	30	7 Ja	12		Pausha	7 D	29	8 59 ...	28 54	17 40 16		260 55 42							
A. D. 1884	Tai	1 Ja	13	29	1 F	10		Magha	1 Ja	27	40 49 28	10 21	19 38 49		290 37 32							
H. 1302	Masi	2 F	11	30	3 Mr	11		Phalgun	3 F	26	12 39 ...	45 2	21 37 23		319 59 22							
Oct. 21	Panguni	4 Mr	12	30	5 Ap	10		Chaitra	4 Mr	26	44 29 27	12 58	23 35 56		349 81 12							
K. Y. 4985	Chittirai	6 Ap	11	31	1 My	11		Vaisakha	6 Ap	25	16 20 ...	35 24	25 34 30		13 47 31							
Sak. 1806	Vaikasi	2 My	12	32	5 Je	12		Jyeshtha	7 My	24	48 10 ...	54 6	27 33 4		43 19 21							
Vik. 1941	Ani	6 Je	13	31	1 Ji	13		Ashada	2 Je	23	20 0 ...	11 19	1 58 21		72 51 11							
(S.) Tarana	Adi	2 Ji	14	32	5 Au	14		Sravana	3 Ji	22	51 50 ...	28 39	3 56 54		102 23 1							
K. 1059 (S. M.)	Avani	6 Au	15	31	1 S	14		Bhadrapada	5 Au	21	23 40 20	51 53	5 55 28		121 54 51							
K. 1059 (N. M.)	Purattasi	2 S	15	30	3 O	14		Asvina	6 S	19	55 30 ...	20 17	7 54 1		161 26 41							
22 g., 30 p.	Aippasi	4 O	15	30	5 N	13		Kartika	1 O	19	27 20 18	56 51	9 52 35		190 58 31							
B. S. 1290	Kartigai	6 N	14	30	7 D	13		Margasira	2 N	17	59 10 ...	39 56	11 51 9		220 30 21							
(N.) Darmukha	Margali	1 D	14	29	1 Ja	11		Pausha	4 D	17	31 0 ...	28 38	13 49 42		250 2 11							
A. D. 1885	Tai	2 Ja	12	29	2 F	9		Magha	6 Ja	16	2 51 ...	18 14	15 48 16		279 34 1							
H. 1303	Masi	3 F	10	30	4 Mr	11		Phalgun	7 F	14	34 41 15	4 42	17 46 49		309 5 52							
Oct. 10	Panguni	5 Mr	12	31	7 Ap	11		Chaitra	2 Mr	16	6 31 ...	41 32	19 45 23		338 37 42							