



Lunar Breath Calendar

for Brain Hemisphere Synchronization
and the Practice of Svara Yoga

2019

Authors / Sources

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Back Cover Art from
<http://www.sics.se/~piak/yoga/yantra/>

Edition 4.0: Layout of day changed to include times for all tithis (tied to time zone & any DST, not location).

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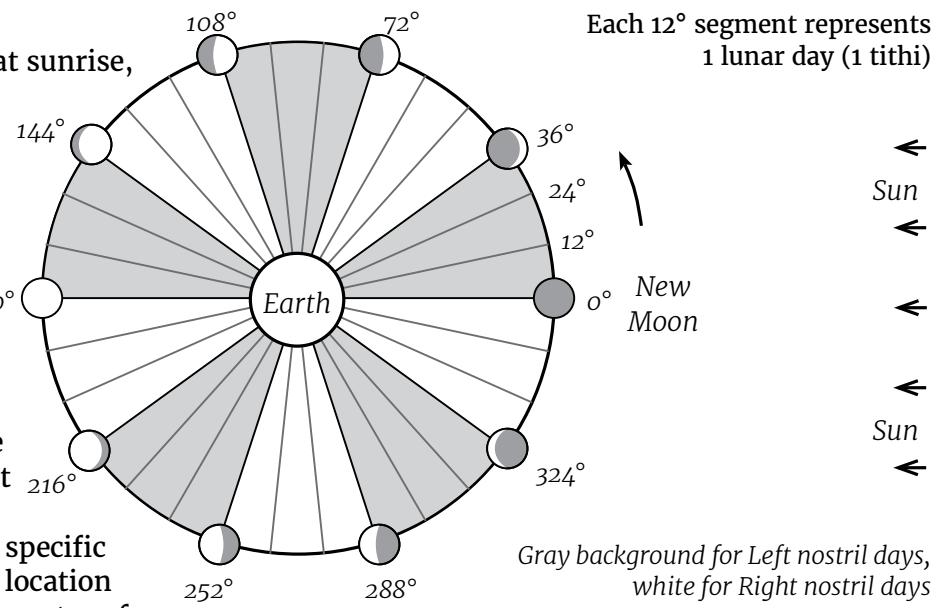
Lunar days are based on where the moon is in its 30-day monthly cycle. Each of these days lasts from 20 to 27 hours. The days are counted from 1 to 30, or in the ascending and descending halves of the month, from 1 to 15.

In India, the solar day (ends and) begins at sunrise, not at midnight. The lunar day at sunrise is the one used for this solar day.

Usually one sunrise occurs in each 12° segment. Sometimes no sunrises occur in a segment, in which case the *tithi* gets “skipped” that month. When two sunrises occur in a segment, the *tithi* lasts for two (solar) days.

Sunrise is determined by the center of the sun crossing the horizon, not by first light (when the top of the sun first crosses the horizon). This calendar is calculated for a specific location. To determine *tithi*, I adjusted the location by 16 minutes to the West. The angular diameter of the sun is 32 arcminutes, so when the sun is rising at the adjusted location, its center is on the horizon at the location for which this calendar is calculated.

How the Lunar Day is Determined



Harish Johari taught me how to determine *tithis*. His most relevant book is *Breath, Mind and Consciousness*. Rochester, VT: Destiny Books. ISBN 0-89281-252-4

— Continued from before calendar pages —

- 8 The first *linga* or desire principle represents the first three *cakra*-s, which are usually selfish in orientation.
- 9 **Nādi-s Ida and Pingala:** *Nādi*-s are subtle nerve channels.
Ida is the lunar breath channel.
Pingala is the solar breath channel.
- 10 **Sushumna:** the central channel in the subtle body; in the middle of this channel is the *Shiva Nādi* through which *kundalini* (*Śakti*) can rise.
- 11 In true meditation, one is beyond the mind.
- 12 **Jagriti Devi's Śakti** is the power to stay alert, awake, and in the moment. At first, this *Śakti* helps us to remember our (small) selves (to be present). Thereafter she assists in remembering the Self (consciousness).

Calendar Page Information

On the calendar pages, each (solar) day has a box with 5 or 6 pieces of information.

- Upper left: the calendar day.
- Upper right: L(left) or R(right), for the preferred nostril for that sunrise. A preceding asterisk (e.g., *R) marks a day when the *tithi* changed shortly before sunrise (within 2 hours). If your breath does not match on one of these days, there is little need to adjust it, as a small delay in the body's ability to detect a change in *tithi* is natural.
- Upper middle: the lunar day (*tithi*) (see diagram, inside back cover)
- Lower left: sunrise (first light)
- Lower right: sunset (last light)
- Tithi start times are shown above the sunrise. The start times for tithis 1 and 16 are the New and Full Moon times. The tithi times mark instants of alignment of the sun, moon and earth, and apply to all locations (with proper time zone adjustments).

The Background For This Work

According to the ancient svara yoga (yoga of breath) we can find out how balanced we are within—and in relation to the universe—by checking nostril dominance at sunrise.

How To Detect Nostril Dominance

Use the thumb of the right hand to block one nostril **from below**. Inhale and exhale deeply through the other nostril. Repeat, with the other nostril blocked. This simple technique usually indicates at once which nostril is more open/closed. Use the calendar to verify if the nostril dominance is correct for the sunrise in question.

To Correct Nostril Dominance

To open the left nostril, lie on the right side of the body with a pillow under the rib cage, supporting the head with the right hand. Reverse to open the right nostril. Once the correct nostril is open, ideally it will stay open for one hour following sunrise.

Nostril synchronization (see diagram inside back cover) is most important the sunrises

after the full and new moons. After the new moon the left nostril is dominant at sunrise for three lunar days. After the full moon, the right nostril is dominant at sunrise for three lunar days. The dominant breath alternates Left and Right each three lunar days. Most commonly this includes three sunrises. It sometimes includes two or four.

For optimal experience, arise at least one hour before sunrise. After evacuation, take a shower and sit for meditation. If no evacuation takes place, keep eyes open and directed downward while sitting for meditation. At sunrise, observe the breath and correct nostril dominance if needed.

Why

Regular synchronizing of the breath at sunrise helps in balancing the brain hemispheres, one of the functions of the sixth chakra. Inner alignment of lunar and solar energies invites a more harmonious aligning with these energies in the universe at large.

Breath Awareness

Parāhamsah¹ is one of the names of **Paramaśiva** who as **Haṁsaḥ** (**Śiva** and **Śakti**) creates and transforms this universe, by way of the Supreme Breath.

Haṁ represents the great outgoing breath, marking the duration of the creator's life.

Sah is the indrawing Supreme breath that transforms/annihilates what was created.

In the **Veda**-s **Hamsah** has been called **Rtam br̥hat**, Great Cosmic Law. **Haṁsaḥ** also appears as the **Jiva** (individual soul) situated in the **Hrt Cakra**².

The sound of **prāṇa** in **Jiva**'s breath is the mantra

Soham (the I am, referring to **Śiva**) or **Saham** (the I am, in reference to **Śakti**).

So or **Sa** can be heard in the inhale breath and **Haṁ** in the exhale breath.

Over many lifetimes, the **Jiva** learns to tune the internal vital current, the **prāṇa**, to the great

Haṁsaḥ, the **Rtam br̥hat**. The apparent individuality dissolves in the process. The sound of **Soham** in **Jiva**'s breath becomes the sound of **Haṁsaḥ** in the breath of the liberated soul called **Jivan Mukta** or **Jñani**.

To tune the breath to cosmic vibrations we need breath awareness and purification. **Nasal breathing** as a conscious process is the only way to acknowledge—and be enriched by—the internal **Homa**³ that is going on in us all the time.

During speech, **prāṇa** is offered as oblation into the fire of speech. This is the internal **prāṇa agnihotra**⁴. During **mauna** (conscious silence), speech in the form of mantra is offered as oblation into the breath. The great **Haṁsaḥ**, who gives us our daily breath, is called **Prāṇa Dātri**⁵.

Svara yoga⁶ has a rainbow of techniques to enhance breath awareness, for example:

- daily use of the breath calendar
- **prāṇayama**
- abstinence from mouth breathing
- awareness of nostril dominance

- sleeping on the left side⁷
- use of sustained tones and **bija mantra**-s to activate **sushumna** breath

Breath awareness not only lessens the unconscious aspect of breathing (which keeps us bound to the first *linga*⁸), it balances two of the major breath channels of the subtle body, to wit, the *nādi*-s **Ida** and **Pingala**⁹. In meditation this translates as both nostrils being open evenly; as a result the **Sushumna**¹⁰ *nādi* is activated. Without **Sushumna** flow, true meditation¹¹ is not possible.

Prāṇayama with **kumbhaka** (holding of inhale or exhale breath) forces the **Sushumna** breath to flow; as a result **Ida** and **Pingala** become balanced. Thus the importance of conscious nasal breathing cannot be overstated as it elevates the quality of speech and silence.

For prolonged breath awareness we need to stay present, in the moment. Without **Jagriti Devi**'s¹² blessing it is impossible to be freed of mechanical behavior. Only crystal-clear insight into the urgent need of being-in-the-moment allows **Jagriti Śakti** to join the dance.

Notes

- 1 **Parā**: utmost reach, highest extent/extension, beyond **Harīsa**: swan. The mythical swan can separate milk from water (has discernment). Its wings are the wings of breath.
- 2 **Hṛt Cakra**: a minor cakra close to the fourth **cakra**, where the Deity is worshipped in the cave of the heart.
- 3 **Homa**: any oblation or sacrifice. Usually offerings to the fire.
- 4 **Agnihotra**: sacrificial fire with oblations to **agni** (fire).
- 5 **Prāṇa dātri**: **Śakti** who distributes **prāṇa** to all beings.
- 6 **Svara** yoga: the ancient science of breath.
- 7 At night, when the moon's energy is dominant, sleeping on one's left side keeps the right (solar) nostril open. This brings solar and lunar energies into balance.

December 7, 2018 — January 5, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					7 1 L 7:13 2:22 AM 4:46 4:46	8 2 3:31 AM 7:14 ♦ 4:46
9 3 L 7:15 5:12 AM 4:46	10 3 L 7:16 7:21 AM 4:46	11 4 R 7:17 9:53 AM 4:46	12 5 R 7:17 12:37 PM 4:46	13 6 R 7:18 3:20 PM 4:47	14 7 L 7:19 5:47 PM 4:47	15 8 L 7:20 7:44 PM 4:47
16 9 L 7:20 9:00 PM 4:47	17 10 R 7:21 9:28 PM 4:48	18 11 R 7:22 9:07 PM 4:48	19 12 R 7:22 7:57 PM 4:49	20 13 L 7:23 6:06 PM 4:49	21 14 L 7:23 3:40 PM 4:49	22 15 L 7:24 12:50 PM 4:50

9 16 R 7:07 2:34 AM 5:38	10 17 R 7:06 11:16 PM 5:39	11 18 R 7:05 7:50 PM 5:40	12 19 L 7:04 4:24 PM 5:40	13 20 L 7:03 1:11 PM 5:42	14 21 L 7:01 10:18 AM 5:43	15 23 R 7:00 7:53 AM 5:44
16 24 R 6:59 4:45 AM 5:46	17 25 L 6:58 4:07 AM 5:47	18 26 L 6:57 4:04 AM 5:48	19 27 L 6:55 4:34 AM 5:50	20 28 *R 6:54 5:31 AM 5:51	21 29 R 6:53 6:53 AM 5:52	22 29 R 6:51 8:34 AM 5:53
23 30 R 6:50 10:33 AM 5:54				◊ Jan. 26: Chandra Darshan		

Calculated for location: (USNO) Washington, D.C.: West 77° 4' 0.8" North 38° 55' 18"

January 25, 2020 — February 23, 2020

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

25	1	L
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1 4:43 PM		
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2 6:03 PM		
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7:21		5:21
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26	2	L	27	3	L	28	4	R	29	5	R	30	6	R	31	7	*L	1	7	L
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3	7:47 PM	4	9:54 PM																	
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7:20	◊	5:22	7:19	5:23	7:18	5:24	7:18	5:25	7:17	5:27	7:16	5:28	7:15	5:29						
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2	8	L	3	9	L	4	10	R	5	11	R	6	12	R	7	13	L	8	15	L
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9	9:35 AM	10	10:51 AM	11	11:21 AM	12	11:02 AM	13	9:55 AM	14	8:03 AM	15	5:33 AM						
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7:14	5:30	7:13	5:31	7:12	5:32	7:11	5:34	7:10	5:35	7:09	5:36	7:08	5:37						
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23	16	R	24	18	R	25	19	L	26	20	L	27	21	L	28	22	R	29	23	R
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17	9:43 AM	18	6:30 AM	19	3:19 AM	20	12:18 AM												
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7:24	4:51	7:25	4:51	7:25	4:52	7:25	4:52	7:26	4:53	7:26	4:54	7:26	4:54	7:26	4:54			
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30	24	R	31	25	L	1	26	L	2	27	L	3	28	R	4	29	R	5	30	R
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25	3:07 PM	26	2:48 PM	27	3:00 PM	28	3:42 PM	29	4:52 PM	30	6:29 PM	1	8:29 PM						
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7:27	4:55	7:27	4:56	7:27	4:57	7:27	4:58	7:27	4:58	7:27	4:59	7:27	5:00					
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◊ Dec. 8: Chandra Darshan

January 6, 2019 — February 4, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
6 1 L	7 2 L	8 3 L	9 4 R	10 5 R	11 5 R	12 6 R
2 10:50 PM 7:27	2 10:50 PM 5:01	3 1:25 AM 7:27	4 4:10 AM 5:03	5 6:53 AM 7:27	6 9:26 AM 5:06	7 11:36 AM 7:26
13 7 L	14 8 L	15 9 L	16 10 R	17 11 R	18 12 R	19 14 L
8 1:13 PM 7:26	9 2:09 PM 5:08	10 2:16 PM 7:26	11 1:35 PM 5:11	12 12:06 PM 7:25	13 9:54 AM 5:13	14 7:06 AM 7:24
20 15 L	21 16 R	22 17 R	23 18 R	24 19 L	25 20 L	26 22 *R
15 3:50 AM 7:23	16 12:17 AM 7:23	17 8:36 PM 5:17	18 4:57 PM 7:22	19 1:31 PM 5:18	20 10:25 AM 7:21	21 7:50 AM 5:21
22 5:15	23 5:17	24 5:18	25 5:19	26 5:20	27 5:21	28 5:22

12 17 R	13 19 *L	14 20 L	15 21 L	16 22 R	17 23 R	18 24 R
18 9:44 AM 7:26	19 7:04 AM 5:08	20 4:21 AM 7:26	21 1:42 AM 7:26	22 11:13 PM 5:10	23 8:59 PM 7:25	24 7:05 PM 5:12
25 5:07	26 5:08	27 5:09	28 5:10	29 5:11	30 5:12	31 5:13
26 4:23 PM 7:24	27 3:37 PM 5:14	28 3:17 PM 7:23	29 3:20 PM 5:16	30 3:49 PM 7:22	1 4:43 PM 7:21	2 5:20

◊ Dec. 27: Chandra Darshan

December 26, 2019 — January 24, 2020

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

					26 1 L	27 2 L	28 3 L
					1 12:14 AM 7:25	2 12:11 AM 7:26 ♫ 4:53	3 12:41 AM 7:26 4:53
29 4 R	30 5 R	31 6 R	1 6 R	2 7 L	3 8 L	4 9 L	
4 1:47 AM 7:26 4:54	5 3:26 AM 7:26 4:55	6 5:33 AM 7:27 4:56	7 7:59 AM 7:27 4:56	8 10:32 AM 7:27 4:57	9 12:58 PM 7:27 4:58	10 3:04 PM 7:27 4:59	
5 10 R	6 11 R	7 12 R	8 13 L	9 14 L	10 15 L	11 16 R	
11 4:38 PM 7:27 5:00	12 5:34 PM 7:27 5:01	13 5:46 PM 7:27 5:02	14 5:16 PM 7:27 5:03	15 4:06 PM 7:27 5:04	16 2:22 PM 7:27 5:05	17 12:12 PM 7:27 5:06	

27 23 R	28 24 R	29 25 L	30 26 L	31 27 L	1 27 L	2 28 R
23 4:33 AM 7:19 5:23	24 4:01 AM 7:18 5:25	25 4:12 AM 7:17 5:26	26 5:05 AM 7:17 5:27	27 6:33 AM 7:16 5:28	28 8:31 AM 7:15 5:29	29 10:50 AM 7:14 5:30

3 29 R	4 30 R					
30 1:24 PM 7:13 5:32	1 4:05 PM 7:12 5:33					

◊ Jan. 7: Chandra Darshan

February 5, 2019 — March 6, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		5 1 L	6 2 L	7 3 L	8 4 R	9 5 R
		1 4:05 PM 7:11	2 6:47 PM ◊ 5:34	3 9:24 PM 7:10 5:35	4 11:49 PM 7:09 5:36	5 1:57 AM 7:08 5:37
10 6 R	11 7 L	12 8 L	13 9 L	14 10 R	15 11 R	16 12 R
6 3:40 AM 7:06	7 4:52 AM 5:40	8 5:26 AM 7:05 5:41	9 5:18 AM 7:04 5:42	10 4:26 AM 7:02 5:43	11 2:50 AM 7:01 5:44	12 12:33 AM 13 9:41 PM 6:59 5:46
17 13 L	18 14 L	19 15 L	20 16 R	21 18 R	22 19 L	23 20 L
14 6:22 PM 6:58	15 2:43 PM 6:56	16 10:55 AM 6:55 5:49	17 7:08 AM 6:54 5:50	18 3:33 AM 6:52 5:52	19 12:21 AM 20 9:42 PM 6:51 5:53	21 7:45 PM 21 6:47 AM 6:50 5:54

15 19 L	16 20 L	17 21 L	18 22 R	19 23 R	20 24 R	21 26 L
20 7:06 PM 7:19	21 5:11 PM 4:47	22 3:09 PM 7:21	23 1:02 PM 4:48	24 10:54 AM 7:22	25 8:48 AM 4:48	26 6:47 AM 7:23
22 27 L	23 28 R	24 29 R	25 30 R			
27 4:54 AM 7:24	28 3:13 AM 4:50	29 1:50 AM 7:25	30 12:49 AM 4:51	◊ Nov. 27: Chandra Darshan		

Calculated for location: (USNO) Washington, D.C.: West 77° 4' 0.8" North 38° 55' 18"

November 27, 2019 — December 25, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			27 1 L	28 2 L	29 3 L	30 4 R
			1 10:07 AM 7:03	2 8:30 AM ◊ 4:48 7:04	3 7:30 AM 4:47 7:05	4 7:11 AM 4:47 7:06
1 5 R	2 6 R	3 7 L	4 8 L	5 9 L	6 10 R	7 11 R
6 8:45 AM 7:07	7 10:31 AM 7:08	8 12:45 PM 7:09	9 3:15 PM 7:10	10 5:47 PM 7:11	11 8:06 PM 7:12	12 10:01 PM 7:13
8 12 R	9 13 L	10 14 L	11 15 L	12 16 R	13 17 R	14 18 R
13 11:25 PM 7:14	14 12:15 AM 7:15	15 12:30 AM 7:16	16 12:13 AM 7:17	17 11:28 PM 4:46	18 10:18 PM 7:18	19 8:50 PM 7:19

24 21 L	25 22 R	26 23 R	27 24 R	28 25 L	1 26 L	2 27 L
22 6:36 PM 6:48	23 6:18 PM 5:55	24 6:52 PM 6:46	25 8:12 PM 6:44	26 10:11 PM 6:43	27 12:36 AM 6:01	6:02
3 28 R	4 29 R	5 29 R	6 30 R			
28 3:16 AM 6:38	29 6:00 AM 6:03	30 8:39 AM 6:35	1 11:05 AM 6:05	6:34	6:06	
◊ Feb. 5: Chandra Darshan						

Calculated for location: (USNO) Washington, D.C.: West 77° 4' 0.8" North 38° 55' 18"

March 7, 2019 — April 4, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				7 1 L 1 11:05 AM 6:32	8 2 L 2 1:15 PM ◊ 6:07 3 3:06 PM 6:31 6:08	9 3 L 4 4:34 PM 6:29 6:09
10 4 R 5 6:38 PM 7:28	11 5 R 6 7:15 PM 7:26	12 6 R 7 7:21 PM 7:25	13 7 L 8 6:55 PM 7:23	14 8 L 9 5:53 PM 7:22 7:14	15 9 L 10 4:16 PM 7:20 7:15	16 10 R 11 2:04 PM 7:19 7:16
17 11 R 12 11:22 AM 7:17	18 12 R 13 8:15 AM 7:16	19 14 L 14 4:50 AM 7:14	20 15 L 15 1:16 AM 7:12 7:19	21 16 R 16 9:44 PM 7:11 7:20	22 17 R 17 6:24 PM 7:11 7:21	23 18 R 18 3:27 PM 7:09 7:22

17 20 L 21 7:54 AM 6:53	18 22 *R 22 6:41 AM 6:54	19 23 R 23 5:07 AM 6:55	20 24 R 24 3:12 AM 6:56	21 25 L 25 1:00 AM 6:57	22 26 L 26 10:33 PM 4:51	23 27 L 27 7:55 PM 6:58	
24 28 R 29 2:37 PM 7:00	25 29 R 30 12:12 PM 4:49	26 30 R 1 10:07 AM 7:02					
		◊ Oct. 29: Chandra Darshan					

October 28, 2019 — November 26, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	28 1 L	29 2 L	30 3 L	31 4 R	1 5 R	2 6 R
1 11:40 PM 7:31	2 8:44 PM 6:13	3 6:19 PM 7:32	4 4:33 PM 6:10	5 3:33 PM 6:09	6 3:22 PM 6:08	7 4:02 PM 6:07
3 7 L	4 8 L	5 9 L	6 10 R	7 11 R	8 12 R	9 13 L
8 4:27 PM 6:37	9 6:29 PM 5:06	10 8:53 PM 6:39	11 11:26 PM 5:04	12 1:56 AM 6:42	13 4:11 AM 5:02	14 6:44 5:00
10 14 L	11 14 L	12 15 L	13 16 R	14 17 R	15 18 R	16 19 L
14 6:04 AM 6:45	15 7:33 AM 6:46	16 8:36 AM 4:58	17 9:13 AM 6:47	18 9:26 AM 4:57	19 9:17 AM 6:48	20 8:46 AM 4:54

24 19 L	25 20 L	26 21 L	27 22 R	28 23 R	29 24 R	30 25 L
20 11:23 AM 7:06	21 10:31 AM 7:24	22 10:33 AM 7:05	23 11:26 AM 7:25	24 1:06 PM 7:01	25 3:19 PM 7:27	26 5:54 PM 7:30
31 26 L	1 27 L	2 28 R	3 29 R	4 30 R		

27 8:36 PM 6:55	28 11:10 PM 7:31	29 1:28 AM 6:54	30 3:22 AM 7:32
\diamond Mar. 7: Chandra Darshan			

April 5, 2019 — May 4, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					5 1 *L 6:47 4:52 AM	6 2 L 6:46 5:55 AM ◊ 7:36
7 3 L 6:44 6:33 AM 7:37	8 3 L 6:43 6:47 AM 7:38	9 5 R 6:41 6:38 AM 7:39	10 6 R 6:40 6:07 AM 7:40	11 7 *L 6:38 5:13 AM 7:41	12 8 L 6:37 3:55 AM 7:42	13 9 L 6:35 2:13 AM 7:43
14 10 R 6:34 12:07 AM 7:44	15 11 R 6:32 9:40 PM 7:45	16 12 R 6:31 6:54 PM 7:46	17 13 L 6:30 3:57 PM 7:47	18 14 L 6:28 12:55 PM 7:48	19 15 L 6:27 9:58 AM 7:49	20 17 R 6:25 7:13 AM 7:50

20 22 R 7:22 9:16 PM 6:23	21 23 R 7:23 7:57 PM 6:22	22 24 R 7:24 6:04 PM 6:21	23 25 L 7:25 3:40 PM 6:19	24 26 L 7:26 12:50 PM 6:18	25 27 L 7:28 9:39 AM 6:17	26 29 R 7:29 6:18 AM 6:15
27 30 R 7:30 2:54 AM 6:14						

◊ Sept. 29: Chandra Darshan

September 29, 2019 — October 27, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
29 1 L	30 2 L	1 4 R	2 5 R	3 6 R	4 7 L	5 8 L
2 10:45 AM 7:02 ♫ 6:55	3 7:21 AM 7:03 6:53	4 4:26 AM 7:04 6:52	5 2:11 AM 7:05 6:50	6 12:43 AM 7:06 6:48	7 12:07 AM 7:07 6:47	8 12:22 AM 7:08 6:45
6 9 L	7 10 R	8 11 R	9 11 R	10 12 R	11 13 L	12 14 L
9 1:26 AM 7:09 6:44	10 3:09 AM 7:09 6:42	11 5:22 AM 7:10 6:41	12 7:50 AM 7:11 6:39	13 10:23 AM 7:12 6:38	14 12:51 PM 7:13 6:36	15 3:08 PM 7:14 6:35
13 15 L	14 16 R	15 17 R	16 18 R	17 19 L	18 20 L	19 21 L
16 5:09 PM 7:15 6:33	17 6:52 PM 7:16 6:32	18 8:16 PM 7:17 6:30	19 9:20 PM 7:18 6:29	20 10:00 PM 7:19 6:27	21 10:15 PM 7:20 6:26	22 10:01 PM 7:21 6:25

21 18 R	22 19 L	23 20 L	24 21 L	25 22 R	26 23 R	27 23 R
18 3:04 AM 6:24 7:51	19 1:56 AM 6:23 7:52	20 1:35 AM 6:21 7:53	21 2:03 AM 6:20 7:54	22 3:18 AM 6:19 7:55	23 5:12 AM 6:17 7:56	24 7:32 AM 6:16 7:57
28 24 R	29 25 L	30 26 L	1 27 L	2 28 R	3 29 R	4 30 R
25 10:06 AM 6:15 7:58	26 12:36 PM 6:13 7:59	27 2:49 PM 6:12 8:00	28 4:36 PM 6:11 8:01	29 5:52 PM 6:10 8:01	30 6:35 PM 6:09 8:02	1 6:47 PM 6:07 8:03
◊ Apr. 6: Chandra Darshan						

Calculated for location: (USNO) Washington, D.C.: West 77° 4' 0.8" North 38° 55' 18"

May 5, 2019 — June 3, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
5 1 L	6 2 L	7 3 L	8 4 R	9 5 R	10 6 R	11 7 L
2 6:30 PM 6:06 ♫ 8:04	3 5:49 PM 6:05 8:05	4 4:48 PM 6:04 8:06	5 3:30 PM 6:03 8:07	6 1:58 PM 6:02 8:08	7 12:13 PM 6:01 8:09	8 10:16 AM 6:00 8:10
12 8 L	13 10 *R	14 11 R	15 12 R	16 13 L	17 14 L	18 15 L
9 8:08 AM 5:59 8:11	10 5:53 AM 5:58 8:12	11 3:31 AM 5:57 8:13	12 1:07 AM 13 10:47 PM 5:56 8:14	14 8:36 PM 5:55 8:15	15 6:42 PM 5:54 8:15	16 5:13 PM 5:54 8:16
19 16 R	20 17 R	21 18 R	22 19 L	23 20 L	24 21 L	25 22 R
17 4:14 PM 5:53 8:17	18 3:53 PM 5:52 8:18	19 4:12 PM 5:51 8:19	20 5:12 PM 5:51 8:20	21 6:50 PM 5:50 8:21	22 8:57 PM 5:49 8:21	23 11:21 PM 5:49 8:22

15 17 R	16 18 R	17 18 R	18 19 L	19 20 L	20 21 L	21 22 R
17 2:55 AM 6:49 7:17	18 5:07 AM 6:50 7:16	19 7:04 AM 6:51 7:14	20 8:43 AM 6:52 7:12	21 9:58 AM 6:53 7:11	22 10:43 AM 6:54 7:09	23 10:52 AM 6:55 7:07
22 23 R	23 24 R	24 25 L	25 27 L	26 28 R	27 29 R	28 30 R
24 10:22 AM 6:56 7:06	25 9:09 AM 6:56 7:04	26 7:14 AM 6:57 7:03	27 4:40 AM 6:58 7:01	28 1:34 AM 6:59 6:59	30 6:17 PM 7:00 6:58	1 2:28 PM 7:01 6:56
◊ Aug. 31: Chandra Darshan ◊ Sept. 2: Ganesha Chaturthi						

Calculated for location: (USNO) Washington, D.C.: West 77° 4' 0.8" North 38° 55' 18"

August 31, 2019 — September 28, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						31 2 L
1 3 L	2 4 R	3 5 R	4 6 R	5 7 L	6 8 L	7 9 L
4 7:28 PM 6:37	5 4:25 PM 6:38	6 1:59 PM 6:39	7 12:16 PM 6:40	8 11:21 AM 6:40	9 11:14 AM 6:41	10 11:54 AM 6:42
11 1:12 PM 6:43	12 3:02 PM 6:44	13 5:14 PM 6:45	14 7:38 PM 6:46	15 10:07 PM 6:47	16 12:34 AM 6:48	
26 23 R	27 24 R	28 25 *L	29 25 L	30 26 L	31 27 L	1 28 R
24 1:48 AM 5:48	25 4:02 AM 5:47	26 5:53 AM 5:46	27 7:09 AM 5:46	28 7:48 AM 5:45	29 7:48 AM 5:45	
30 7:11 AM 5:45	1 6:03 AM 5:44					

◊ May 5: Chandra Darshan

June 4, 2019 — July 2, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		4 2 L 5 3 L 6 4 R 7 5 R 8 6 R				
	1 6:03 AM 5:44	2 4:29 AM ◊ 8:30 5:44	3 2:35 AM 8:30 5:44	4 12:26 AM 5 10:09 PM 5:43	6 7:48 PM 8:31 5:43	7 5:26 PM 8:32 5:43
9 7 L 10 8 L 11 9 L 12 10 R 13 11 R 14 12 R 15 14 L						
8 3:08 PM 5:43	9 12:55 PM 5:43	10 10:51 AM 5:42	11 8:58 AM 5:42	12 7:21 AM 5:42	13 6:01 AM 5:42	14 5:04 AM 5:42
16 15 L 17 16 *R 18 17 R 19 17 R 20 18 R 21 19 L 22 20 L						
15 4:33 AM 5:42	16 4:32 AM 5:42	17 5:02 AM 5:43	18 6:05 AM 5:43	19 7:40 AM 5:43	20 9:40 AM 5:43	21 11:59 AM 5:43

18 18 R 19 19 L 20 20 L 21 21 L 22 22 R 23 23 R 24 24 R						
19 3:45 PM 6:24	20 6:01 PM 8:00	21 8:02 PM 6:26	22 9:37 PM 6:27	23 10:40 PM 6:28	24 11:03 PM 6:29	25 10:42 PM 7:51
25 25 L 26 26 L 27 27 L 28 28 R 29 29 R 30 30 R						
26 9:34 PM 6:31	27 7:41 PM 7:50	28 5:07 PM 6:32	29 2:00 PM 6:33	30 10:27 AM 6:34	1 6:38 AM 6:35	

◊ Aug. 2: Chandra Darshan

August 1, 2019 — August 30, 2019

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

23 21 L	24 22 R	25 23 R	26 24 R	27 25 L	28 26 L	29 27 L
22 2:24 PM 5:44	23 4:44 PM 5:44	24 6:45 PM 5:44	25 8:15 PM 5:44	26 9:08 PM 5:45	27 9:17 PM 5:45	28 8:43 PM 5:46
8:37	8:38	8:38	8:38	8:38	8:38	8:38
30 28 R	1 29 R	2 30 R				
29 7:28 PM 5:46	30 5:37 PM 5:46	1 3:17 PM 8:38				
			◊ June 4: Chandra Darshan			

Calculated for location: (USNO) Washington, D.C.: West $77^{\circ} 4' 0.8''$ North $38^{\circ} 55' 18''$

July 3, 2019 — July 31, 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			3 1 L	4 2 L	5 3 L	6 5 R
			1 3:17 PM 5:47	2 12:36 PM ◊ 8:37	3 9:41 AM 5:48	4 6:40 AM 5:49
7 6 R	8 7 L	9 8 L	10 9 L	11 10 R	12 11 R	13 12 R
6 12:50 AM 7 10:14 PM 5:50	8 7:56 PM 5:50	9 6:02 PM 5:51	10 4:34 PM 5:52	11 3:34 PM 5:52	12 3:02 PM 5:53	13 3:00 PM 5:54
14 13 L	15 14 L	16 15 L	17 16 R	18 17 R	19 18 R	20 19 L
14 3:26 PM 5:54	15 4:20 PM 5:55	16 5:39 PM 5:56	17 7:23 PM 5:56	18 9:27 PM 5:57	19 11:45 PM 5:58	20 10:17 AM 5:59

21 20 L	22 21 L	23 21 L	24 22 R	25 23 R	26 24 R	27 25 L
20 2:11 AM 6:00	21 4:35 AM 6:00	22 6:47 AM 6:01	23 8:37 AM 6:02	24 9:52 AM 6:03	25 10:28 AM 6:04	26 10:17 AM 6:05

28 26 L	29 27 L	30 29 R	31 30 R			
27 9:21 AM 6:05	28 7:40 AM 6:06	29 5:21 AM 6:07	30 2:29 AM 1 11:13 PM 6:08	8:21		

◊ July 3: Chandra Darshan