










# 2023 January

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
26 <u>Moon-Saturn</u> 13:11	27	28	29  <u>Mercury-Ven</u> 04:13 <u>Moon-Jupiter</u> 07:29 <u>First Quarter</u> 22:20	30	31	1 <u>Venus</u> 17.3° E <u>Moon A.Node</u> 12:25
2 <u>Moon-Pleiades</u> 22:24	3 <u>Moon-Mars</u> 16:35	4 <u>Quadrantids</u> 00:06 <u>Perihelion</u> 16:59	5	6  <u>Moon N Dec</u> 00:08 <u>Full Moon</u> 20:08	7 <u>Mercury Infer</u> 09:53 <u>Moon-Pollux</u> 10:40	8 <u>Moon Apogee</u> 06:19 <u>Moon-Beehive</u> 12:23
9	10	11	12	13	14  <u>Last Quarter</u> 23:10	15
16 <u>Moon D.Node</u> 03:32	17	18 <u>Moon-Antares</u> 06:32	19	20 <u>Moon S.Dec</u> 02:06	21  <u>New Moon</u> 17:53 <u>Moon Perigee</u> 17:58	22 <u>Venus-Sat</u> 18:53
23 <u>Moon-Saturn</u> 04:22 <u>Moon-Venus</u> 05:20	24	25 <u>Moon-Jupiter</u> 23:00	26	27	28  <u>First Quarter</u> 12:19 <u>Moon A Node</u> 13:05	29
30 <u>Mercury West</u> 02:59 <u>Moon-Pleiades</u> 04:21	31 <u>Moon-Mars</u> 01:24	1 <u>Venus</u> 24.4° E	2 <u>Moon N Dec</u> 05:18	3 <u>Moon-Pollux</u> 16:47	4 <u>Moon Apogee</u> 05:55 <u>Moon-Beehive</u> 18:32	5  <u>Full Moon</u> 15:29

*All event times are given for UTC-3:00: Argentina Standard Time (AGT) for the entire year.*

# 2023 February

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<b>30</b>  Mercury West 02:59 Moon-Pleiades 04:21	<b>31</b>  Moon-Mars 01:24	<b>1</b>  Venus 24.4° E	<b>2</b>  Moon N Dec 05:18	<b>3</b>  Moon-Pollux 16:47	<b>4</b>  Moon Apogee 05:55 Moon-Beehive 18:32	<b>5</b>  Full Moon 15:29
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>  Moon D Node 04:31
<b>13</b>  Last Quarter 13:01	<b>14</b>  Moon-Antares 15:09	<b>15</b>	<b>16</b>  Moon S Dec 11:36 Saturn Sun 13:17	<b>17</b>	<b>18</b>	<b>19</b>  Moon Perigee 06:06
<b>20</b>  New Moon 04:06	<b>21</b>	<b>22</b>  Moon-Venus 04:57 Moon-Jupiter 18:58	<b>23</b>	<b>24</b>  Moon A Node 15:56	<b>25</b>	<b>26</b>  Moon-Pleiades 11:42
<b>27</b>  First Quarter 05:06	<b>28</b>  Moon-Mars 01:32	<b>1</b>  Venus 30.6° E Moon N Dec 11:09	<b>2</b>  Venus-Jup 01:15 Moon-Pollux 23:10	<b>3</b>  Moon Apogee 15:01	<b>4</b>	<b>5</b>

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## 2023 March

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
 27 <u>First Quarter</u> 05:06	28 <u>Moon-Mars</u> 01:32	1 <u>Venus</u> 30.6° E <u>Moon N. Dec</u> 11:09	2 <u>Venus-Jup</u> 01:15 <u>Moon-Pollux</u> 23:10	3 <u>Moon Apogee</u> 15:01	4	5
6	 7 <u>Full Moon</u> 09:40	8	9	10	11 <u>Moon D Node</u> 05:53	12
13 <u>Moon-Antares</u> 21:21	 14 <u>Last Quarter</u> 23:08	15 <u>Moon S. Dec</u> 18:43 <u>Neptune-Sun</u> 19:47	16	17 <u>Mercury Super</u> 07:34	18	19 <u>Moon Perigee</u> 12:16 <u>Moon-Saturn</u> 12:20
20 <u>Spring Eq</u> 18:25	 21 <u>New Moon</u> 14:23	22	23 <u>Moon A. Node</u> 23:08	24 <u>Moon-Venus</u> 07:28	25 <u>Moon-Pleiades</u> 20:42	26
27	 28 <u>Moon-Mars</u> 10:16 <u>Moon N. Dec</u> 18:29 <u>First Quarter</u> 23:32	29	30 <u>Moon-Pollux</u> 06:23	31 <u>Moon Apogee</u> 08:18	1 <u>Venus</u> 37.1° E	2

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# 2023 April

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
27 28	28 Moon-Mars 10:16 Moon N. Dec 18:29 First Quarter 23:32	29	30 Moon-Pollux 06:23	31 Moon Apogee 08:18	1 Venus 37.1° E	2
3	4	5	6 6 Full Moon 01:34	7 Moon D. Node 10:51	8	9
10 Moon-Antares 02:50	11 Venus-M45 01:40 Jupiter-Sun 17:50 Mercury-East 18:59	12 Moon S. Dec 00:15	13 13 Last Quarter 06:11	14	15 Moon Perigee 23:22	16 Moon-Saturn 00:47
17	18	19	20 20 New Moon 01:12 Hybrid Sol Ec 01:17 Moon A Node 08:32	21	22 Moon-Pleiades 06:14 Lyrids 21:35	23 Moon-Venus 10:03
24	25 Moon N Dec 02:53 Moon-Mars 23:18	26 Moon-Pollux 14:25	27 27 First Quarter 18:20	28 Moon Apogee 03:43	29	30

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# 2023 May

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1  Venus 42.4° E Mercury Infer 20:19	2	3	4  Moon D.Node 18:57	5  Eris Aquarids 10:49 Pen. Lunar Ec 14:23 Full Moon 14:34	6	7  Moon-Antares 09:35
8  Mars-Pol. 08:23	9  Moon S. Dec 06:01 Uranus Sun 18:26	10	11  Moon Perigee 01:57	12  Last Quarter 11:28	13  Moon-Saturn 10:04	14
15	16	17  Mercury-Jup 09:44 Moon-Jupiter 10:15 Moon A.Node 16:36 Moon-Mercury 22:34	18	19  New Moon 12:53	20	21
22  Moon N. Dec 11:08	23  Moon-Venus 09:08 Moon-Pollux 22:36	24  Moon-Mars 14:32	25  Moon Apogee 22:39	26	27  First Quarter 12:22	28
29  Mercury West 01:59 Venus-Pollux 10:04	30	31	1  Moon D.Node 03:22 Venus 45.4° E	2  Mars-M44 00:30	3  Moon-Antares 18:19	4  Full Moon 00:42 Venus East 07:59







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# 2023 June

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
29 <u>Mercury West</u> 01:59 <u>Venus-Pollux</u> 10:04	30	31	1 <u>Moon D.Node</u> 03:22 <u>Venus</u> 45.4° E	2 <u>Mars-M44</u> 00:30	3 <u>Moon-Antares</u> 18:19	4  <u>Full Moon</u> 00:42 <u>Venus East</u> 07:59
5 <u>Moon S Dec</u> 13:21	6 <u>Moon Perigee</u> 20:07	7	8	9 <u>Moon-Saturn</u> 17:19	10  <u>Last Quarter</u> 16:31	11 <u>Mercury-M45</u> 14:50
12	13 <u>Venus-M44</u> 08:05 <u>Moon A.Node</u> 21:05	14 <u>Moon-Jupiter</u> 03:33	15 <u>Moon-Pleiades</u> 21:47	16 <u>Mercury-Aldeb.</u> 17:18	17	18  <u>New Moon</u> 01:37 <u>Moon N.Dec</u> 18:07
19	20 <u>Moon-Pollux</u> 06:10	21 <u>Moon-Beehive</u> 07:38 <u>Summer Sol</u> 11:58 <u>Moon-Venus</u> 21:47	22 <u>Moon-Mars</u> 07:09 <u>Moon Apogee</u> 15:31	23	24	25
26  <u>First Quarter</u> 04:50	27	28 <u>Moon D.Node</u> 09:22	29	30	1 <u>Mercury Super</u> 01:46 <u>Venus-Mars</u> 03:48 <u>Moon-Antares</u> 04:20 <u>Venus</u> 41.7° E	2






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## 2023 July

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
 <b>26</b> <u>First Quarter</u> 04:50	<b>27</b>	<b>28</b> <u>Moon D.Node</u> 09:22	<b>29</b>	<b>30</b>	<b>1</b> <u>Mercury Super</u> 01:46 <u>Venus-Mars</u> 03:48 <u>Moon-Antares</u> 04:20 <u>Venus</u> 41.7° E	<b>2</b> <u>Moon S.Dec</u> 22:23
 <b>3</b> <u>Full Moon</u> 08:39	<b>4</b> <u>Moon Perigee</u> 19:28	<b>5</b>	<b>6</b> <u>Aphelion</u> 05:59	<b>7</b> <u>Moon-Saturn</u> 00:05	<b>8</b>	 <b>9</b> <u>Last Quarter</u> 22:48
<b>10</b> <u>Mars-Reg.</u> 02:18 <u>Moon A.Node</u> 22:23	<b>11</b> <u>Moon-Jupiter</u> 18:18	<b>12</b>	<b>13</b> <u>Moon-Pleiades</u> 03:31	<b>14</b> <u>Mercury-M44</u> 19:33	<b>15</b> <u>Moon N.Dec</u> 23:40	<b>16</b> <u>Venus-Reg.</u> 04:49
 <b>17</b> <u>New Moon</u> 15:32	<b>18</b>	<b>19</b>	<b>20</b> <u>Moon Apogee</u> 03:56	<b>21</b> <u>Moon-Mars</u> 01:00	<b>22</b>	<b>23</b>
<b>24</b>	 <b>25</b> <u>Moon D.Node</u> 12:05 <u>First Quarter</u> 19:07	<b>26</b>	<b>27</b> <u>Mercury-Ven</u> 08:00	<b>28</b> <u>Delta Aquarids</u> 12:35 <u>Moon-Antares</u> 14:11 <u>Mercury-Reg.</u> 15:21	<b>29</b>	<b>30</b> <u>Moon S.Dec</u> 08:13
<b>31</b>	 <b>1</b> <u>Venus</u> 18.7° E <u>Full Moon</u> 15:31	<b>2</b> <u>Moon Perigee</u> 02:52	<b>3</b> <u>Moon-Saturn</u> 07:21	<b>4</b>	<b>5</b>	<b>6</b>

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# 2023 August

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
31	 1 Venus 18.7° E Full Moon 15:31	2 Moon Perigee 02:52	3 Moon Saturn 07:21	4	5	6 Moon A.Node 23:46
7	 8 Moon-Jupiter 06:41 Last Quarter 07:28	9 Moon-Pleiades 09:16 Mercury East 22:59	10	11	12 Moon N Dec 04:39	13 Mercury-Mars 04:02 Perseids 04:29 Venus Infer 08:10 Moon-Pollux 18:36
14	15	 16 New Moon 06:38 Moon Apogee 08:55	17	18 Moon-Mars 20:06	19	20
21 Moon-Spica 06:28 Moon D Node 13:23	22	23	 24 First Quarter 06:57 Moon-Antares 22:30	25	26 Moon S Dec 17:22	27 Saturn Opp 04:52
28	29	 30 Moon Perigee 12:51 Moon-Saturn 15:03 Full Moon 22:35	31	1 Venus 27.4° W	2	3 Moon A.Node 04:44

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# 2023 September

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
28	29	 <b>30</b> Moon Perigee 12:51 Moon Saturn 15:03 Full Moon 22:35	31	<b>1</b> Venus 27.4° W	2	<b>3</b> Moon A.Node 04:44
<b>4</b> Moon Jupiter 16:44	<b>5</b> Moon Pleiades 16:25	 <b>6</b> Mercury Infer 08:03 Last Quarter 19:21	7	<b>8</b> Moon N Dec 10:18	9	<b>10</b> Moon Pollux 00:32
11	<b>12</b> Moon Apogee 12:42	13	 <b>14</b> New Moon 22:40	15	16	<b>17</b> Moon Spica 12:12 Moon D.Node 16:18
18	<b>19</b> Neptune Opp 06:54	20	<b>21</b> Moon Antares 04:50	 <b>22</b> Mercury West 09:59 First Quarter 16:32	<b>23</b> Moon S.Des 00:42 Autumn Eq 03:50	24
25	<b>26</b> Moon Saturn 22:25	<b>27</b> Moon Perigee 22:05	28	 <b>29</b> Full Moon 06:57	<b>30</b> Moon A.Node 13:49	<b>1</b> Venus 44.2° W

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# 2023 October

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
25	26 <u>Moon-Saturn</u> 22:25	27 <u>Moon Perigee</u> 22:05	28	 29 <u>Full Moon</u> 06:57	30 <u>Moon A.Node</u> 13:49	1 <u>Venus</u> 44.2° W
2 <u>Moon-Jupiter</u> 00:16	3 <u>Moon-Pleiades</u> 01:25	4	5 <u>Moon N Dec</u> 17:31	 6 <u>Last Quarter</u> 10:48	7 <u>Moon-Pollux</u> 07:23	8
9 <u>Venus-Reg.</u> 03:10	10 <u>Moon Apogee</u> 00:41	11	12	13	 14 <u>New Moon</u> 14:55 <u>Ann Solar Ec</u> 15:00 <u>Moon D.Node</u> 22:11	15
16	17	18 <u>Moon-Antares</u> 10:17	19	20 <u>Mercury Super</u> 02:08 <u>Moon S Dec</u> 06:19	21 <u>Orionids</u> 20:48	 22 <u>First Quarter</u> 00:29
23 <u>Venus West</u> 18:59	24 <u>Moon-Saturn</u> 04:52	25 <u>Moon Perigee</u> 23:53	26	27	 28 <u>Moon A.Node</u> 00:14 <u>Par Lunar Ec</u> 17:14 <u>Full Moon</u> 17:24	29 <u>Moon-Jupiter</u> 05:10
30 <u>Moon-Pleiades</u> 11:30	31	1 <u>Venus</u> 46.2° W	2 <u>Moon N Dec</u> 02:12	3 <u>Jupiter Opp</u> 00:44 <u>Moon-Pollux</u> 15:31	4	 5 <u>Last Quarter</u> 05:37

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## 2023 November

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<b>30</b> <u>Moon-Pleiades</u> 11:30	31	<b>1</b> <u>Venus</u> 46.2° W	<b>2</b> <u>Moon N.Dec</u> 02:12	<b>3</b> <u>Jupiter Opp</u> 00:44 <u>Moon-Pollux</u> 15:31	4	<b>5</b> <u>Last Quarter</u> 05:37 <u>S. Taurids</u> 21:17
<b>6</b> <u>Moon Apogee</u> 18:49	7	8	<b>9</b> <u>Moon-Venus</u> 06:28	10	<b>11</b> <u>Moon-Spica</u> 02:09 <u>Moon D Node</u> 05:49	<b>12</b> <u>N. Taurids</u> 20:34
<b>13</b> <u>New Moon</u> 06:27 <u>Uranus Opp</u> 14:32	14	15	<b>16</b> <u>Moon S.Dec</u> 11:45 <u>Mercury Ant.</u> 18:17	17	<b>18</b> <u>Mars Sun</u> 01:48 <u>Leonids</u> 02:51	19
<b>20</b> <u>First Quarter</u> 07:50 <u>Moon-Saturn</u> 11:02	<b>21</b> <u>Moon Perigee</u> 18:03	22	23	<b>24</b> <u>Moon A Node</u> 08:02	<b>25</b> <u>Moon-Jupiter</u> 08:10	<b>26</b> <u>Moon-Pleiades</u> 21:02
<b>27</b> <u>Full Moon</u> 06:16	28	<b>29</b> <u>Venus-Spica</u> 07:29 <u>Moon N Dec</u> 11:08	30	<b>1</b> <u>Moon-Pollux</u> 00:23 <u>Venus</u> 42.9° W	<b>2</b> <u>Moon-Beehive</u> 01:21	3

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# 2023 December

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
27 Full Moon 06:16	28	29 Venus-Spica 07:29 Moon N Dec 11:08	30	1 Moon-Pollux 00:23 Venus 42.9° W	2 Moon-Beehive 01:21	3
4 Mercury East 10:59 Moon Apogee 15:42	5 Last Quarter 02:49	6	7	8 Moon-Spica 11:05 Moon D Node 12:24	9 Moon-Venus 13:53	10
11	12 New Moon 20:32	13 Moon S Dec 18:51	14 Geminids 16:02	15	16 Moon Perigee 15:53	17 Moon-Saturn 18:58
18	19 First Quarter 15:39	20	21 Moon A Node 10:54	22 Winter Sol 00:28 Moon-Jupiter 11:20 Mercury Infer 15:45	23 Ursids 00:00	24 Moon-Pleiades 04:37
25	26 Moon N Dec 18:50 Full Moon 21:33	27	28 Moon-Pollux 08:51	29 Moon-Beehive 09:45	30	31

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All SKYCAL astronomical calculations are by Fred Espenak, and he assumes full responsibility for their accuracy. Special thanks to National Space Club summer intern **Sumit Dutta** for his valuable assistance in developing the Sky Events Calendar (July 2007).

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