

# January 2020

## Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋                | ♀                    | ♊                    | ♈                    | ♉                    | ♊                    | ♋                    | ♌                    | ♍                    | ♎ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 We | 16 ♀ 0524 | 24 ♀ 2913 | 00 ♀ 2538 | 14 ♀ 15 <sub>R</sub> | 10 ♀ 35 <sub>D</sub> | 20 ♀ 32 <sub>D</sub> | 04 ♀ 24 <sub>D</sub> | 12 ♀ 35 <sub>D</sub> | 27 ♀ 17 <sub>D</sub> | 08 ♀ 34 <sub>R</sub> | 22 ♀ 08 <sub>D</sub> | 28 ♀ 16 <sub>D</sub> |   |
| 02 Th | 17 0634   | 06 ♀ 2134 | 12 1738   | 14 15                | 12 09                | 21 45                | 05 04                | 12 49                | 27 24                | 08 33                | 22 09                | 28 18                |   |
| 03 Fr | 18 0744   | 18 1423   | 24 1226   | 14 15 <sub>D</sub>   | 13 45                | 22 59                | 05 44                | 13 03                | 27 31                | 08 33                | 22 11                | 28 20                |   |
| 04 Sa | 19 0853   | 00 ♀ 1222 | 06 ♀ 1447 | 14 15                | 15 20                | 24 12                | 06 25                | 13 17                | 27 38                | 08 32                | 22 12                | 28 22                |   |
| 05 Su | 20 1002   | 12 2014   | 18 2915   | 14 16                | 16 56                | 25 26                | 07 05                | 13 30                | 27 45                | 08 32                | 22 13                | 28 24                |   |
| 06 Mo | 21 1111   | 24 4220   | 00 ♀ 5955 | 14 16                | 18 32                | 26 39                | 07 46                | 13 44                | 27 53                | 08 32                | 22 14                | 28 26                |   |
| 07 Tu | 22 1220   | 07 ♀ 2223 | 13 5002   | 14 17                | 20 08                | 27 52                | 08 26                | 13 58                | 28 00                | 08 31                | 22 16                | 28 28                |   |
| 08 We | 23 1328   | 20 2305   | 27 0138   | 14 18                | 21 45                | 29 06                | 09 06                | 14 12                | 28 07                | 08 31                | 22 17                | 28 30                |   |
| 09 Th | 24 1436   | 03 ♀ 4543 | 10 ♀ 3513 | 14 18                | 23 22                | 00 ♀ 19              | 09 47                | 14 26                | 28 14                | 08 31                | 22 18                | 28 32                |   |
| 10 Fr | 25 1544   | 17 2954   | 24 2927   | 14 19 <sub>R</sub>   | 25 00                | 01 32                | 10 27                | 14 39                | 28 21                | 08 31                | 22 20                | 28 34                |   |
| 11 Sa | 26 1651   | 01 ♀ 3324 | 08 ♀ 4113 | 14 18                | 26 38                | 02 45                | 11 08                | 14 53                | 28 28                | 08 31 <sub>D</sub>   | 22 21                | 28 36                |   |
| 12 Su | 27 1758   | 15 5214   | 23 0546   | 14 17                | 28 17                | 03 58                | 11 49                | 15 07                | 28 35                | 08 31                | 22 23                | 28 38                |   |
| 13 Mo | 28 1905   | 00 ♀ 2103 | 07 ♀ 3721 | 14 15                | 29 56                | 05 11                | 12 29                | 15 20                | 28 42                | 08 31                | 22 24                | 28 40                |   |
| 14 Tu | 29 2012   | 14 5354   | 22 0959   | 14 13                | 01 ♀ 35              | 06 23                | 13 10                | 15 34                | 28 49                | 08 31                | 22 26                | 28 42                |   |
| 15 We | 00 ♀ 2118 | 29 2456   | 06 ♀ 3810 | 14 11                | 03 15                | 07 36                | 13 50                | 15 48                | 28 56                | 08 31                | 22 27                | 28 44                |   |
| 16 Th | 01 2225   | 13 ♀ 4910 | 20 5732   | 14 10                | 04 55                | 08 49                | 14 31                | 16 01                | 29 03                | 08 32                | 22 29                | 28 46                |   |
| 17 Fr | 02 2331   | 28 0257   | 05 ♀ 0510 | 14 09                | 06 36                | 10 02                | 15 12                | 16 15                | 29 11                | 08 32                | 22 30                | 28 48                |   |
| 18 Sa | 03 2437   | 12 ♀ 0401 | 18 5926   | 14 09 <sub>D</sub>   | 08 17                | 11 14                | 15 52                | 16 28                | 29 18                | 08 32                | 22 32                | 28 50                |   |
| 19 Su | 04 2543   | 25 5123   | 02 ♀ 3951 | 14 10                | 09 59                | 12 27                | 16 33                | 16 42                | 29 25                | 08 33                | 22 34                | 28 52                |   |
| 20 Mo | 05 2649   | 09 ♀ 2454 | 16 0635   | 14 12                | 11 41                | 13 39                | 17 14                | 16 55                | 29 32                | 08 33                | 22 35                | 28 54                |   |
| 21 Tu | 06 2754   | 22 4458   | 29 2007   | 14 13                | 13 24                | 14 51                | 17 55                | 17 09                | 29 39                | 08 34                | 22 37                | 28 56                |   |
| 22 We | 07 2859   | 05 ♀ 5207 | 12 ♀ 2100 | 14 14                | 15 07                | 16 04                | 18 35                | 17 22                | 29 46                | 08 34                | 22 39                | 28 58                |   |
| 23 Th | 08 3003   | 18 4652   | 25 0944   | 14 15 <sub>R</sub>   | 16 50                | 17 16                | 19 16                | 17 36                | 29 53                | 08 35                | 22 41                | 29 00                |   |
| 24 Fr | 09 3107   | 01 ♀ 2940 | 07 ♀ 4644 | 14 13                | 18 33                | 18 28                | 19 57                | 17 49                | 00 ♀ 00              | 08 36                | 22 42                | 29 02                |   |
| 25 Sa | 10 3210   | 14 0058   | 20 1228   | 14 11                | 20 17                | 19 40                | 20 38                | 18 03                | 00 07                | 08 36                | 22 44                | 29 04                |   |
| 26 Su | 11 3312   | 26 2120   | 02 ♀ 2742 | 14 07                | 22 00                | 20 52                | 21 19                | 18 16                | 00 14                | 08 37                | 22 46                | 29 06                |   |
| 27 Mo | 12 3413   | 08 ♀ 3143 | 14 3334   | 14 02                | 23 43                | 22 04                | 22 00                | 18 29                | 00 21                | 08 38                | 22 48                | 29 08                |   |
| 28 Tu | 13 3514   | 20 3332   | 26 3152   | 13 56                | 25 26                | 23 16                | 22 40                | 18 42                | 00 28                | 08 39                | 22 50                | 29 10                |   |
| 29 We | 14 3613   | 02 ♀ 2854 | 08 ♀ 2501 | 13 51                | 27 09                | 24 27                | 23 21                | 18 56                | 00 35                | 08 40                | 22 51                | 29 12                |   |
| 30 Th | 15 3711   | 14 2037   | 20 1611   | 13 46                | 28 51                | 25 39                | 24 02                | 19 09                | 00 42                | 08 41                | 22 53                | 29 13                |   |
| 31 Fr | 16 3808   | 26 1213   | 02 ♀ 0914 | 13 43                | 00 ♀ 32              | 26 50                | 24 43                | 19 22                | 00 49                | 08 42                | 22 55                | 29 15                |   |

### Planetary Data

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♀ ♀       | ♋ | 8   | 5:52 PM  |
| ♀ ♀       | ♌ | 13  | 1:04 AM  |
| ☉ ♀       | ♌ | 14  | 3:37 PM  |
| ♃ ♀       | ♌ | 23  | 11:25 PM |
| ♀ ♀       | ♋ | 30  | 4:22 PM  |

  

| Stations       |  | Day | Time    |
|----------------|--|-----|---------|
| ♃ <sub>D</sub> |  | 10  | 9:53 PM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♋         |  | 29  | 11:04 PM |
| ♌         |  | 1   | 11:08 AM |
| ♍         |  | 3   | 11:36 PM |
| ♎         |  | 6   | 10:07 AM |
| ♏         |  | 8   | 5:20 PM  |
| ♐         |  | 10  | 9:22 PM  |
| ♑         |  | 12  | 11:26 PM |
| ♒         |  | 15  | 12:58 AM |
| ♓         |  | 17  | 3:20 AM  |
| ♈         |  | 19  | 7:18 AM  |
| ♉         |  | 21  | 1:13 PM  |
| ♊         |  | 23  | 9:10 PM  |
| ♋         |  | 26  | 7:10 AM  |
| ♌         |  | 28  | 7:00 PM  |
| ♍         |  | 31  | 7:40 AM  |

  

| Void Times |          | Day | Time | Last Aspect |
|------------|----------|-----|------|-------------|
| 1          | 7:39 AM  | ♋   | ♀    |             |
| 3          | 8:19 PM  | ♌   | ♀    |             |
| 6          | 7:08 AM  | ♍   | ♀    |             |
| 8          | 5:16 PM  | ♎   | ♀    |             |
| 10         | 6:59 PM  | ♏   | ♀    |             |
| 11         | 4:54 PM  | ♐   | ♈    |             |
| 14         | 11:13 PM | ♑   | ♃    |             |
| 17         | 1:56 AM  | ♒   | ♃    |             |
| 19         | 6:19 AM  | ♓   | ♃    |             |
| 20         | 11:46 PM | ♈   | ♃    |             |
| 23         | 9:09 PM  | ♉   | ♃    |             |
| 25         | 2:07 PM  | ♊   | ♀    |             |
| 28         | 5:21 PM  | ♋   | ♀    |             |
| 31         | 6:11 AM  | ♌   | ♀    |             |

### Phases & Eclipses

| Lunar Phases |          | Day | Time    |
|--------------|----------|-----|---------|
| 2            | 11:46 PM | ☾   | 18 ♀ 07 |
| 10           | 2:22 PM  | ☉   | 25 ♀ 52 |
| 17           | 7:59 AM  | ☽   | 02 ♀ 44 |
| 24           | 4:42 PM  | ●   | 10 ♀ 14 |

  

| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

  

| Lunar Eclipses |         | Day | Time |
|----------------|---------|-----|------|
| 10             | 2:10 PM | A   | .2f  |

# February 2020

## Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉                     | ☽                     | +12 Hr                | True♋                | ♀                    | ♀                    | ♂                    | ♃                    | ♃                    | ♃                    | ♃                    | ♃                    | ♃ |
|-------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 Sa | 17 ♃ 39 <sup>04</sup> | 08 ♀ 07 <sup>49</sup> | 14 ♀ 08 <sup>34</sup> | 13 ♀ 41 <sup>R</sup> | 02 ♃ 12 <sup>D</sup> | 28 ♃ 02 <sup>D</sup> | 25 ♃ 24 <sup>D</sup> | 19 ♃ 35 <sup>D</sup> | 00 ♃ 56 <sup>D</sup> | 08 ♀ 43 <sup>D</sup> | 22 ♃ 57 <sup>D</sup> | 29 ♃ 17 <sup>D</sup> |   |
| 02 Su | 18 39 <sup>58</sup>   | 20 12 <sup>04</sup>   | 26 18 <sup>56</sup>   | 13 40 <sup>D</sup>   | 03 50                | 29 13                | 26 05                | 19 48                | 01 03                | 08 44                | 22 59                | 29 19                |   |
| 03 Mo | 19 40 <sup>52</sup>   | 02 ♀ 29 <sup>48</sup> | 08 ♀ 45 <sup>15</sup> | 13 41                | 05 26                | 00 ♃ 24              | 26 46                | 20 01                | 01 10                | 08 45                | 23 01                | 29 21                |   |
| 04 Tu | 20 41 <sup>43</sup>   | 15 05 <sup>50</sup>   | 21 32 <sup>05</sup>   | 13 42                | 07 00                | 01 35                | 27 27                | 20 14                | 01 17                | 08 46                | 23 03                | 29 23                |   |
| 05 We | 21 42 <sup>34</sup>   | 28 04 <sup>27</sup>   | 04 ♀ 43 <sup>16</sup> | 13 44                | 08 30                | 02 46                | 28 08                | 20 27                | 01 24                | 08 47                | 23 05                | 29 25                |   |
| 06 Th | 22 43 <sup>23</sup>   | 11 ♀ 28 <sup>48</sup> | 18 21 <sup>09</sup>   | 13 45                | 09 57                | 03 57                | 28 49                | 20 39                | 01 30                | 08 49                | 23 07                | 29 27                |   |
| 07 Fr | 23 44 <sup>10</sup>   | 25 20 <sup>17</sup>   | 02 ♃ 25 <sup>59</sup> | 13 44 <sup>R</sup>   | 11 20                | 05 08                | 29 30                | 20 52                | 01 37                | 08 50                | 23 09                | 29 29                |   |
| 08 Sa | 24 44 <sup>57</sup>   | 09 ♃ 37 <sup>50</sup> | 16 55 <sup>17</sup>   | 13 42                | 12 38                | 06 18                | 00 ♃ 11              | 21 05                | 01 44                | 08 51                | 23 11                | 29 31                |   |
| 09 Su | 25 45 <sup>42</sup>   | 24 17 <sup>31</sup>   | 01 ♀ 43 <sup>38</sup> | 13 37                | 13 51                | 07 29                | 00 52                | 21 17                | 01 51                | 08 53                | 23 13                | 29 32                |   |
| 10 Mo | 26 46 <sup>25</sup>   | 09 ♀ 12 <sup>33</sup> | 16 43 <sup>07</sup>   | 13 31                | 14 57                | 08 39                | 01 34                | 21 30                | 01 57                | 08 54                | 23 15                | 29 34                |   |
| 11 Tu | 27 47 <sup>08</sup>   | 24 14 <sup>07</sup>   | 01 ♃ 44 <sup>22</sup> | 13 24                | 15 56                | 09 49                | 02 15                | 21 43                | 02 04                | 08 56                | 23 17                | 29 36                |   |
| 12 We | 28 47 <sup>49</sup>   | 09 ♃ 12 <sup>43</sup> | 16 38 <sup>10</sup>   | 13 17                | 16 48                | 10 59                | 02 56                | 21 55                | 02 11                | 08 58                | 23 19                | 29 38                |   |
| 13 Th | 29 48 <sup>29</sup>   | 23 59 <sup>49</sup>   | 01 ♃ 16 <sup>57</sup> | 13 11                | 17 30                | 12 09                | 03 37                | 22 07                | 02 17                | 08 59                | 23 22                | 29 40                |   |
| 14 Fr | 00 ♃ 49 <sup>08</sup> | 08 ♃ 29 <sup>02</sup> | 15 35 <sup>42</sup>   | 13 07                | 18 04                | 13 19                | 04 18                | 22 20                | 02 24                | 09 01                | 23 24                | 29 41                |   |
| 15 Sa | 01 49 <sup>46</sup>   | 22 36 <sup>47</sup>   | 29 32 <sup>13</sup>   | 13 05                | 18 28                | 14 28                | 04 59                | 22 32                | 02 30                | 09 03                | 23 26                | 29 43                |   |
| 16 Su | 02 50 <sup>23</sup>   | 06 ♃ 22 <sup>06</sup> | 13 ♃ 06 <sup>37</sup> | 13 05 <sup>D</sup>   | 18 42                | 15 38                | 05 41                | 22 44                | 02 37                | 09 04                | 23 28                | 29 45                |   |
| 17 Mo | 03 50 <sup>58</sup>   | 19 46 <sup>03</sup>   | 26 20 <sup>42</sup>   | 13 06                | 18 45 <sup>R</sup>   | 16 47                | 06 22                | 22 56                | 02 43                | 09 06                | 23 30                | 29 47                |   |
| 18 Tu | 04 51 <sup>33</sup>   | 02 ♃ 50 <sup>57</sup> | 09 ♃ 17 <sup>09</sup> | 13 07                | 18 38                | 17 56                | 07 03                | 23 08                | 02 50                | 09 08                | 23 32                | 29 48                |   |
| 19 We | 05 52 <sup>06</sup>   | 15 39 <sup>39</sup>   | 21 58 <sup>50</sup>   | 13 07 <sup>R</sup>   | 18 21                | 19 05                | 07 45                | 23 20                | 02 56                | 09 10                | 23 34                | 29 50                |   |
| 20 Th | 06 52 <sup>37</sup>   | 28 14 <sup>59</sup>   | 04 ♃ 28 <sup>25</sup> | 13 06                | 17 54                | 20 14                | 08 26                | 23 32                | 03 02                | 09 12                | 23 37                | 29 52                |   |
| 21 Fr | 07 53 <sup>08</sup>   | 10 ♃ 39 <sup>25</sup> | 16 48 <sup>11</sup>   | 13 02                | 17 17                | 21 23                | 09 07                | 23 44                | 03 09                | 09 14                | 23 39                | 29 54                |   |
| 22 Sa | 08 53 <sup>37</sup>   | 22 54 <sup>56</sup>   | 28 59 <sup>51</sup>   | 12 56                | 16 33                | 22 31                | 09 49                | 23 56                | 03 15                | 09 16                | 23 41                | 29 55                |   |
| 23 Su | 09 54 <sup>04</sup>   | 05 ♃ 03 <sup>04</sup> | 11 ♃ 04 <sup>45</sup> | 12 47                | 15 41                | 23 39                | 10 30                | 24 08                | 03 21                | 09 18                | 23 43                | 29 57                |   |
| 24 Mo | 10 54 <sup>30</sup>   | 17 05 <sup>02</sup>   | 23 04 <sup>03</sup>   | 12 36                | 14 44                | 24 47                | 11 11                | 24 19                | 03 27                | 09 20                | 23 46                | 29 58                |   |
| 25 Tu | 11 54 <sup>54</sup>   | 29 01 <sup>57</sup>   | 04 ♃ 58 <sup>55</sup> | 12 24                | 13 42                | 25 55                | 11 53                | 24 31                | 03 33                | 09 22                | 23 48                | 00 ♃ 00              |   |
| 26 We | 12 55 <sup>16</sup>   | 10 ♃ 55 <sup>09</sup> | 16 50 <sup>52</sup>   | 12 12                | 12 38                | 27 03                | 12 34                | 24 42                | 03 39                | 09 25                | 23 50                | 00 02                |   |
| 27 Th | 13 55 <sup>37</sup>   | 22 46 <sup>21</sup>   | 28 41 <sup>54</sup>   | 12 01                | 11 33                | 28 11                | 13 15                | 24 53                | 03 45                | 09 27                | 23 52                | 00 03                |   |
| 28 Fr | 14 55 <sup>55</sup>   | 04 ♀ 37 <sup>54</sup> | 10 ♀ 34 <sup>44</sup> | 11 52                | 10 29                | 29 18                | 13 57                | 25 05                | 03 51                | 09 29                | 23 55                | 00 05                |   |
| 29 Sa | 15 56 <sup>12</sup>   | 16 32 <sup>52</sup>   | 22 32 <sup>47</sup>   | 11 45                | 09 27                | 00 ♀ 25              | 14 38                | 25 16                | 03 57                | 09 31                | 23 57                | 00 06                |   |
| 01 Su | 16 56 <sup>27</sup>   | 28 35 <sup>02</sup>   | 04 ♀ 40 <sup>12</sup> | 11 41                | 08 28                | 01 32                | 15 20                | 25 27                | 04 03                | 09 34                | 23 59                | 00 08                |   |
| 02 Mo | 17 56 <sup>39</sup>   | 10 ♀ 48 <sup>52</sup> | 17 01 <sup>39</sup>   | 11 39                | 07 34                | 02 39                | 16 01                | 25 38                | 04 09                | 09 36                | 24 01                | 00 09                |   |

### Planetary Data

| Ingresses      |  | Day | Time     |
|----------------|--|-----|----------|
| ♀ ♃            |  | 2   | 3:47 PM  |
| ♂ ♃            |  | 7   | 5:21 PM  |
| ☉ ♃            |  | 13  | 4:33 AM  |
| ♀ ♃            |  | 24  | 11:06 PM |
| ♀ ♀            |  | 28  | 3:02 PM  |
| Stations       |  | Day | Time     |
| ♀ <sup>R</sup> |  | 16  | 7:54 PM  |

### Lunar Ingresses & Void Moons

| Ingresses  |          | Day | Time     |             |
|------------|----------|-----|----------|-------------|
| ♃          |          | 28  | 7:00 PM  |             |
| ♀          |          | 31  | 7:40 AM  |             |
| ♂          |          | 2   | 7:11 PM  |             |
| ♂          |          | 5   | 3:30 AM  |             |
| ♂          |          | 7   | 7:55 AM  |             |
| ♂          |          | 9   | 9:14 AM  |             |
| ♂          |          | 11  | 9:13 AM  |             |
| ♂          |          | 13  | 9:52 AM  |             |
| ♂          |          | 15  | 12:49 PM |             |
| ♂          |          | 17  | 6:44 PM  |             |
| ♂          |          | 20  | 3:22 AM  |             |
| ♂          |          | 22  | 2:00 PM  |             |
| ♂          |          | 25  | 1:57 AM  |             |
| ♂          |          | 27  | 2:39 PM  |             |
| ♂          |          | 1   | 2:49 AM  |             |
| Void Times |          | Day | Time     | Last Aspect |
| 31         | 6:11 AM  | ☐   | ♀        |             |
| 2          | 5:54 PM  | △   | ♀        |             |
| 5          | 12:08 AM | ♂   | ♂        |             |
| 7          | 7:03 AM  | ♂   | ♀        |             |
| 9          | 2:33 AM  | ♂   | ☉        |             |
| 11         | 8:36 AM  | △   | ♀        |             |
| 13         | 9:20 AM  | ☐   | ♀        |             |
| 15         | 12:21 PM | ×   | ♀        |             |
| 17         | 6:49 AM  | ☐   | ♀        |             |
| 20         | 3:07 AM  | ♂   | ♀        |             |
| 21         | 11:09 PM | ×   | ♀        |             |
| 24         | 2:46 PM  | ×   | ♃        |             |
| 27         | 12:06 PM | ♂   | ♀        |             |
| 29         | 5:42 PM  | △   | ♃        |             |

### Phases & Eclipses

| Lunar Phases   |          | Day | Time    |
|----------------|----------|-----|---------|
| 1              | 8:42 PM  | ☾   | 18 ♀ 32 |
| 9              | 2:33 AM  | ☉   | 25 ♃ 52 |
| 15             | 5:18 PM  | ☾   | 02 ♃ 33 |
| 23             | 10:32 AM | ☀   | 10 ♃ 21 |
| 2              | 2:58 PM  | ☾   | 18 ♂ 34 |
| Solar Eclipses |          | Day | Time    |
| ~ None ~       |          |     |         |
| Lunar Eclipses |          | Day | Time    |
| ~ None ~       |          |     |         |

# March 2020

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉          | ☽          | +12 Hr     | True♌                | ♀                    | ♋                    | ♉                    | ♈                    | ♄                    | ♃                    | ♌                    | ♍                    | ♎ |
|-------|------------|------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 Su | 16 ♋ 53:56 | 28 ♀ 04:45 | 04 ♀ 09:38 | 11 ♀ 41 <sup>R</sup> | 08 ♋ 30 <sup>R</sup> | 01 ♀ 29 <sup>D</sup> | 15 ♀ 18 <sup>D</sup> | 25 ♀ 26 <sup>D</sup> | 04 ♀ 03 <sup>D</sup> | 09 ♀ 34 <sup>D</sup> | 23 ♋ 59 <sup>D</sup> | 00 ♀ 08 <sup>D</sup> |   |
| 02 Mo | 17 54:09   | 10 ♀ 17:59 | 16 30:25   | 11 39                | 07 36                | 02 36                | 15 59                | 25 37                | 04 09                | 09 36                | 24 01                | 00 09                |   |
| 03 Tu | 18 54:20   | 22 ♀ 47:32 | 29 09:58   | 11 39 <sup>D</sup>   | 06 47                | 03 42                | 16 41                | 25 48                | 04 14                | 09 39                | 24 03                | 00 11                |   |
| 04 We | 19 54:28   | 05 ♀ 38:18 | 12 ♀ 13:05 | 11 39                | 06 04                | 04 48                | 17 22                | 25 59                | 04 20                | 09 41                | 24 06                | 00 12                |   |
| 05 Th | 20 54:35   | 18 54:45   | 25 43:39   | 11 39 <sup>R</sup>   | 05 27                | 05 54                | 18 04                | 26 10                | 04 26                | 09 44                | 24 08                | 00 14                |   |
| 06 Fr | 21 54:39   | 02 ♀ 40:02 | 09 ♀ 43:55 | 11 37                | 04 57                | 07 00                | 18 45                | 26 21                | 04 31                | 09 46                | 24 10                | 00 15                |   |
| 07 Sa | 22 54:41   | 16 55:09   | 24 13:23   | 11 33                | 04 34                | 08 05                | 19 27                | 26 31                | 04 37                | 09 49                | 24 13                | 00 16                |   |
| 08 Su | 23 54:41   | 01 ♀ 37:58 | 09 ♀ 08:06 | 11 27                | 04 17                | 09 11                | 20 08                | 26 41                | 04 42                | 09 51                | 24 15                | 00 18                |   |
| 09 Mo | 24 54:39   | 16 42:41   | 24 20:28   | 11 17                | 04 08                | 10 16                | 20 50                | 26 52                | 04 48                | 09 54                | 24 17                | 00 19                |   |
| 10 Tu | 25 54:36   | 02 ♀ 00:03 | 09 ♀ 39:58 | 11 07                | 04 05 <sup>D</sup>   | 11 20                | 21 31                | 27 02                | 04 53                | 09 57                | 24 19                | 00 20                |   |
| 11 We | 26 54:30   | 17 18:45   | 24 54:58   | 10 56                | 04 08                | 12 24                | 22 13                | 27 12                | 04 58                | 09 59                | 24 22                | 00 22                |   |
| 12 Th | 27 54:22   | 02 ♀ 27:21 | 09 ♀ 54:48 | 10 46                | 04 17                | 13 28                | 22 55                | 27 22                | 05 03                | 10 02                | 24 24                | 00 23                |   |
| 13 Fr | 28 54:13   | 17 16:26   | 24 31:37   | 10 38                | 04 32                | 14 32                | 23 36                | 27 32                | 05 09                | 10 05                | 24 26                | 00 24                |   |
| 14 Sa | 29 54:02   | 01 ♀ 39:57 | 08 ♀ 41:14 | 10 33                | 04 52                | 15 36                | 24 18                | 27 42                | 05 14                | 10 08                | 24 28                | 00 25                |   |
| 15 Su | 00 ♀ 53:50 | 15 35:28   | 22 22:49   | 10 31                | 05 17                | 16 39                | 24 59                | 27 51                | 05 19                | 10 10                | 24 31                | 00 26                |   |
| 16 Mo | 01 53:35   | 29 03:36   | 05 ♀ 38:12 | 10 30                | 05 47                | 17 41                | 25 41                | 28 01                | 05 24                | 10 13                | 24 33                | 00 28                |   |
| 17 Tu | 02 53:19   | 12 ♀ 07:06 | 18 30:50   | 10 30                | 06 21                | 18 44                | 26 23                | 28 10                | 05 29                | 10 16                | 24 35                | 00 29                |   |
| 18 We | 03 53:01   | 24 49:54   | 01 ♀ 04:51 | 10 30                | 07 00                | 19 46                | 27 04                | 28 20                | 05 33                | 10 19                | 24 38                | 00 30                |   |
| 19 Th | 04 52:42   | 07 ♀ 16:13 | 13 24:29   | 10 27                | 07 42                | 20 48                | 27 46                | 28 29                | 05 38                | 10 22                | 24 40                | 00 31                |   |
| 20 Fr | 05 52:21   | 19 30:07   | 25 33:32   | 10 23                | 08 28                | 21 49                | 28 28                | 28 38                | 05 43                | 10 25                | 24 42                | 00 32                |   |
| 21 Sa | 06 51:58   | 01 ♀ 35:07 | 07 ♀ 35:11 | 10 15                | 09 18                | 22 50                | 29 09                | 28 47                | 05 47                | 10 28                | 24 44                | 00 33                |   |
| 22 Su | 07 51:33   | 13 34:02   | 19 31:56   | 10 04                | 10 11                | 23 51                | 29 51                | 28 56                | 05 52                | 10 31                | 24 47                | 00 34                |   |
| 23 Mo | 08 51:06   | 25 29:05   | 01 ♀ 25:41 | 09 51                | 11 07                | 24 51                | 00 ♀ 33              | 29 04                | 05 56                | 10 34                | 24 49                | 00 35                |   |
| 24 Tu | 09 50:37   | 07 ♀ 21:55 | 13 17:55   | 09 36                | 12 05                | 25 51                | 01 14                | 29 13                | 06 01                | 10 37                | 24 51                | 00 36                |   |
| 25 We | 10 50:06   | 19 13:52   | 25 09:54   | 09 21                | 13 07                | 26 50                | 01 56                | 29 22                | 06 05                | 10 40                | 24 53                | 00 37                |   |
| 26 Th | 11 49:33   | 01 ♀ 06:14 | 07 ♀ 03:02 | 09 07                | 14 11                | 27 49                | 02 38                | 29 30                | 06 09                | 10 43                | 24 55                | 00 38                |   |
| 27 Fr | 12 48:58   | 13 00:34   | 18 59:04   | 08 56                | 15 17                | 28 47                | 03 19                | 29 38                | 06 13                | 10 46                | 24 58                | 00 39                |   |
| 28 Sa | 13 48:21   | 24 58:51   | 01 ♀ 00:17 | 08 46                | 16 26                | 29 45                | 04 01                | 29 46                | 06 18                | 10 49                | 25 00                | 00 39                |   |
| 29 Su | 14 47:42   | 07 ♀ 03:45 | 13 09:42   | 08 40                | 17 37                | 00 ♀ 43              | 04 43                | 29 54                | 06 21                | 10 53                | 25 02                | 00 40                |   |
| 30 Mo | 15 47:00   | 19 18:36   | 25 30:59   | 08 37                | 18 50                | 01 40                | 05 25                | 00 ♀ 02              | 06 25                | 10 56                | 25 04                | 00 41                |   |
| 31 Tu | 16 46:16   | 01 ♀ 47:23 | 08 ♀ 08:22 | 08 36                | 20 05                | 02 36                | 06 06                | 00 09                | 06 29                | 10 59                | 25 06                | 00 42                |   |

### Planetary Data

| Ingresses |    | Day     | Time |
|-----------|----|---------|------|
| ☉ ♀       | 14 | 2:23 AM |      |
| ♂ ♀       | 22 | 5:10 AM |      |
| ♀ ♀       | 28 | 6:07 AM |      |
| ♄ ♀       | 29 | 6:24 PM |      |

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| Stations       |   | Day      | Time |
|----------------|---|----------|------|
| ♀ <sup>D</sup> | 9 | 11:48 PM |      |

### Lunar Ingresses & Void Moons

| Ingresses |    | Day      | Time |
|-----------|----|----------|------|
| ♀         | 27 | 3:39 PM  |      |
| ♂         | 1  | 3:49 AM  |      |
| ♂         | 3  | 1:34 PM  |      |
| ♄         | 5  | 7:25 PM  |      |
| ♂         | 7  | 9:22 PM  |      |
| ♄         | 9  | 8:52 PM  |      |
| ♂         | 11 | 8:04 PM  |      |
| ♄         | 13 | 9:11 PM  |      |
| ♂         | 16 | 1:43 AM  |      |
| ♂         | 18 | 9:55 AM  |      |
| ♄         | 20 | 8:51 PM  |      |
| ♂         | 23 | 9:06 AM  |      |
| ♀         | 25 | 9:47 PM  |      |
| ♂         | 28 | 10:01 AM |      |
| ♂         | 30 | 8:36 PM  |      |

| Void Times |          | Day | Time | Last Aspect |
|------------|----------|-----|------|-------------|
| 29         | 6:42 PM  | ♂   | ♄    |             |
| 3          | 2:25 AM  | ♂   | ♂    |             |
| 5          | 12:56 PM | ♂   | ♄    |             |
| 6          | 12:05 PM | ♂   | ♂    |             |
| 9          | 4:07 PM  | ♂   | ♄    |             |
| 11         | 3:48 PM  | ♂   | ♄    |             |
| 13         | 8:48 PM  | ♂   | ☉    |             |
| 15         | 3:52 PM  | ♂   | ♂    |             |
| 18         | 6:46 AM  | ♂   | ♄    |             |
| 20         | 5:01 AM  | ♂   | ♀    |             |
| 23         | 7:21 AM  | ♂   | ♄    |             |
| 25         | 8:44 PM  | ♂   | ♄    |             |
| 28         | 9:39 AM  | ♂   | ♄    |             |
| 30         | 11:10 AM | ♂   | ♂    |             |

### Phases & Eclipses

| Lunar Phases |         | Day | Time  |
|--------------|---------|-----|-------|
| 2            | 3:58 PM | ☾   | 18♂34 |
| 9            | 1:48 PM | ☉   | 25♀29 |
| 16           | 5:35 AM | ☾   | 02♂07 |
| 24           | 5:29 AM | ●   | 10♀04 |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# April 2020

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋                | ♀                    | ♊                    | ♍                    | ♎                    | ♏                    | ♐                    | ♑                    | ♒                    | ♓ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 We | 17 ♀ 4530 | 14 ♀ 3429 | 21 ♀ 0617 | 08 ♀ 36 <sub>D</sub> | 21 ♀ 22 <sub>D</sub> | 03 ♀ 32 <sub>D</sub> | 06 ♀ 48 <sub>D</sub> | 00 ♀ 17 <sub>D</sub> | 06 ♀ 33 <sub>D</sub> | 11 ♀ 02 <sub>D</sub> | 25 ♀ 08 <sub>D</sub> | 00 ♀ 43 <sub>D</sub> |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 02 Th | 18 4441   | 27 4416   | 04 ♀ 2853 | 08 36 <sub>R</sub>   | 22 41                | 04 27                | 07 30                | 00 24                | 06 37                | 11 05                | 25 11                | 00 43                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 03 Fr | 19 4350   | 11 ♀ 2028 | 18 1913   | 08 34                | 24 02                | 05 22                | 08 11                | 00 32                | 06 40                | 11 09                | 25 13                | 00 44                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 04 Sa | 20 4256   | 25 2512   | 02 ♀ 3816 | 08 30                | 25 24                | 06 16                | 08 53                | 00 39                | 06 44                | 11 12                | 25 15                | 00 45                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 05 Su | 21 4201   | 09 ♀ 5805 | 17 2402   | 08 24                | 26 48                | 07 10                | 09 35                | 00 46                | 06 47                | 11 15                | 25 17                | 00 45                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 06 Mo | 22 4103   | 24 5517   | 02 ♀ 3049 | 08 16                | 28 14                | 08 03                | 10 16                | 00 52                | 06 50                | 11 19                | 25 19                | 00 46                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 07 Tu | 23 4003   | 10 ♀ 0921 | 17 4931   | 08 05                | 29 42                | 08 55                | 10 58                | 00 59                | 06 54                | 11 22                | 25 21                | 00 46                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 08 We | 24 3901   | 25 2950   | 03 ♀ 0849 | 07 55                | 01 ♀ 11              | 09 46                | 11 40                | 01 05                | 06 57                | 11 25                | 25 23                | 00 47                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 09 Th | 25 3756   | 10 ♀ 4503 | 18 1713   | 07 45                | 02 42                | 10 37                | 12 22                | 01 12                | 07 00                | 11 29                | 25 25                | 00 47                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 10 Fr | 26 3650   | 25 4413   | 03 ♀ 0509 | 07 37                | 04 15                | 11 27                | 13 03                | 01 18                | 07 03                | 11 32                | 25 27                | 00 48                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 11 Sa | 27 3542   | 10 ♀ 1920 | 17 2620   | 07 32                | 05 49                | 12 16                | 13 45                | 01 24                | 07 06                | 11 35                | 25 29                | 00 48                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 12 Su | 28 3432   | 24 2557   | 01 ♀ 1810 | 07 30                | 07 24                | 13 04                | 14 27                | 01 30                | 07 09                | 11 39                | 25 31                | 00 49                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 13 Mo | 29 3321   | 08 ♀ 0308 | 14 4111   | 07 29 <sub>D</sub>   | 09 02                | 13 52                | 15 08                | 01 35                | 07 11                | 11 42                | 25 33                | 00 49                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 14 Tu | 00 ♀ 3207 | 21 1243   | 27 3814   | 07 29                | 10 41                | 14 39                | 15 50                | 01 41                | 07 14                | 11 45                | 25 35                | 00 49                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 15 We | 01 3053   | 03 ♀ 5817 | 10 ♀ 1327 | 07 30 <sub>R</sub>   | 12 21                | 15 24                | 16 32                | 01 46                | 07 17                | 11 49                | 25 37                | 00 50                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 16 Th | 02 2936   | 16 2421   | 22 3133   | 07 29                | 14 03                | 16 09                | 17 13                | 01 52                | 07 19                | 11 52                | 25 39                | 00 50                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 17 Fr | 03 2817   | 28 3538   | 04 ♀ 3709 | 07 26                | 15 47                | 16 53                | 17 55                | 01 57                | 07 21                | 11 56                | 25 41                | 00 50                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 18 Sa | 04 2657   | 10 ♀ 3637 | 16 3430   | 07 20                | 17 32                | 17 36                | 18 37                | 02 02                | 07 24                | 11 59                | 25 43                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 19 Su | 05 2536   | 22 3115   | 28 2716   | 07 12                | 19 19                | 18 18                | 19 18                | 02 06                | 07 26                | 12 03                | 25 45                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 20 Mo | 06 2412   | 04 ♀ 2252 | 10 ♀ 1823 | 07 02                | 21 07                | 18 59                | 20 00                | 02 11                | 07 28                | 12 06                | 25 46                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 21 Tu | 07 2247   | 16 1405   | 22 1011   | 06 51                | 22 57                | 19 38                | 20 42                | 02 15                | 07 30                | 12 09                | 25 48                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 22 We | 08 2119   | 28 0655   | 04 ♀ 0428 | 06 39                | 24 49                | 20 17                | 21 23                | 02 19                | 07 32                | 12 13                | 25 50                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 23 Th | 09 1950   | 10 ♀ 0300 | 16 0241   | 06 29                | 26 42                | 20 54                | 22 05                | 02 23                | 07 34                | 12 16                | 25 52                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 24 Fr | 10 1820   | 22 0342   | 28 0612   | 06 19                | 28 37                | 21 30                | 22 46                | 02 27                | 07 35                | 12 20                | 25 54                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 25 Sa | 11 1647   | 04 ♀ 1026 | 10 ♀ 1634 | 06 12                | 00 ♀ 34              | 22 05                | 23 28                | 02 31                | 07 37                | 12 23                | 25 55                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 26 Su | 12 1512   | 16 2452   | 22 3537   | 06 08                | 02 32                | 22 38                | 24 10                | 02 34                | 07 38                | 12 27                | 25 57                | 00 51 <sub>R</sub>   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 27 Mo | 13 1335   | 28 4908   | 05 ♀ 0543 | 06 06                | 04 32                | 23 10                | 24 51                | 02 38                | 07 40                | 12 30                | 25 59                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 28 Tu | 14 1156   | 11 ♀ 2547 | 17 4941   | 06 06 <sub>D</sub>   | 06 33                | 23 41                | 25 32                | 02 41                | 07 41                | 12 34                | 26 00                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 29 We | 15 1015   | 24 1749   | 00 ♀ 5037 | 06 07                | 08 36                | 24 10                | 26 14                | 02 44                | 07 42                | 12 37                | 26 02                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 30 Th | 16 0832   | 07 ♀ 2825 | 14 1136   | 06 08                | 10 40                | 24 37                | 26 55                | 02 47                | 07 43                | 12 40                | 26 04                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 01 Fr | 17 0647   | 21 0026   | 27 5508   | 06 08 <sub>R</sub>   | 12 46                | 25 03                | 27 37                | 02 49                | 07 44                | 12 44                | 26 05                | 00 51                |   |   |   |   |   |   |   |   |   |   |   |   |   |

### Planetary Data

| Ingresses      |             |
|----------------|-------------|
| Day            | Time        |
| ♀ ♀            | 7 4:53 AM   |
| ☉ ♀            | 13 10:52 AM |
| ♀ ♀            | 24 5:04 PM  |
| Stations       |             |
| Day            | Time        |
| ♀ <sub>R</sub> | 25 2:33 PM  |

### Lunar Ingresses & Void Moons

| Ingresses |             | Void Times |             |
|-----------|-------------|------------|-------------|
| Day       | Time        | Day        | Last Aspect |
| ♀         | 30 8:36 PM  | 1          | 7:23 PM ♀   |
| ♁         | 2 4:02 AM   | 3          | 3:28 PM ♀   |
| ♂         | 4 7:39 AM   | 6          | 5:48 AM ♀   |
| ♄         | 6 8:02 AM   | 7          | 10:36 PM ♀  |
| ♅         | 8 7:04 AM   | 9          | 11:32 PM ♀  |
| ♆         | 10 6:57 AM  | 12         | 7:46 AM ♀   |
| ♇         | 12 9:42 AM  | 14         | 8:10 AM ♀   |
| ♈         | 14 4:28 PM  | 16         | 1:42 AM ♀   |
| ♉         | 17 2:48 AM  | 19         | 6:32 AM ♀   |
| ♊         | 19 3:08 PM  | 21         | 4:06 PM ♀   |
| ♋         | 22 3:48 AM  | 24         | 7:38 AM ♀   |
| ♌         | 24 3:46 PM  | 26         | 6:32 PM ♀   |
| ♍         | 27 2:16 AM  | 29         | 3:13 AM ♀   |
| ♎         | 29 10:28 AM | 1          | 12:05 PM ♀  |
| ♏         | 1 3:34 PM   |            |             |

### Phases & Eclipses

| Lunar Phases   |                  |
|----------------|------------------|
| Day            | Time             |
| 1              | 6:22 AM ☾ 18♀01  |
| 7              | 10:36 PM ☽ 24♁36 |
| 14             | 6:57 PM ☾ 01♂18  |
| 22             | 10:26 PM ● 09♂16 |
| 30             | 4:39 PM ☽ 16♁49  |
| Solar Eclipses |                  |
| Day            | Time             |
| ~ None ~       |                  |
| Lunar Eclipses |                  |
| Day            | Time             |
| ~ None ~       |                  |

# May 2020

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉       | ☽       | +12 Hr  | True♋              | ♀                  | ♊                  | ♈                  | ♄                  | ♃                  | ♅                  | ♆                  | ♇                  | ♁ |
|-------|---------|---------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---|
| 01 Fr | 17 0647 | 21 0026 | 27 5508 | 06 08 <sub>R</sub> | 12 46 <sub>D</sub> | 25 03 <sub>D</sub> | 27 37 <sub>D</sub> | 02 49 <sub>D</sub> | 07 44 <sub>D</sub> | 12 44 <sub>D</sub> | 26 05 <sub>D</sub> | 00 51 <sub>R</sub> |   |
| 02 Sa | 18 0500 | 04 5547 | 12 0221 | 06 07              | 14 52              | 25 27              | 28 18              | 02 52              | 07 45              | 12 47              | 26 07              | 00 51              |   |
| 03 Su | 19 0311 | 19 1439 | 26 3219 | 06 04              | 17 00              | 25 50              | 28 59              | 02 54              | 07 46              | 12 51              | 26 08              | 00 51              |   |
| 04 Mo | 20 0120 | 03 5447 | 11 2120 | 05 59              | 19 09              | 26 10              | 29 41              | 02 56              | 07 47              | 12 54              | 26 10              | 00 50              |   |
| 05 Tu | 20 5927 | 18 5104 | 26 2254 | 05 52              | 21 18              | 26 29              | 00 22              | 02 58              | 07 48              | 12 58              | 26 11              | 00 50              |   |
| 06 We | 21 5732 | 03 5541 | 11 2813 | 05 46              | 23 28              | 26 45              | 01 03              | 03 00              | 07 48              | 13 01              | 26 13              | 00 50              |   |
| 07 Th | 22 5535 | 18 5914 | 26 2734 | 05 40              | 25 38              | 27 00              | 01 45              | 03 01              | 07 48              | 13 04              | 26 14              | 00 49              |   |
| 08 Fr | 23 5337 | 03 5207 | 11 1156 | 05 35              | 27 49              | 27 12              | 02 26              | 03 02              | 07 49              | 13 08              | 26 16              | 00 49              |   |
| 09 Sa | 24 5137 | 18 2613 | 25 3422 | 05 32              | 29 58              | 27 23              | 03 07              | 03 03              | 07 49              | 13 11              | 26 17              | 00 49              |   |
| 10 Su | 25 4935 | 02 3559 | 09 3048 | 05 31              | 02 08              | 27 31              | 03 48              | 03 04              | 07 49              | 13 15              | 26 19              | 00 48              |   |
| 11 Mo | 26 4733 | 16 1847 | 23 0002 | 05 31 <sub>D</sub> | 04 16              | 27 37              | 04 29              | 03 05              | 07 49 <sub>R</sub> | 13 18              | 26 20              | 00 48              |   |
| 12 Tu | 27 4528 | 29 3446 | 06 0320 | 05 32              | 06 24              | 27 41              | 05 10              | 03 06              | 07 49              | 13 21              | 26 21              | 00 48              |   |
| 13 We | 28 4323 | 12 2610 | 18 4345 | 05 34              | 08 30              | 27 42              | 05 51              | 03 06              | 07 49              | 13 25              | 26 22              | 00 47              |   |
| 14 Th | 29 4116 | 24 5637 | 01 0520 | 05 35              | 10 34              | 27 41 <sub>R</sub> | 06 32              | 03 06              | 07 49              | 13 28              | 26 24              | 00 47              |   |
| 15 Fr | 00 3908 | 07 1031 | 13 1243 | 05 35 <sub>R</sub> | 12 36              | 27 38              | 07 13              | 03 06 <sub>R</sub> | 07 48              | 13 32              | 26 25              | 00 46              |   |
| 16 Sa | 01 3659 | 19 1232 | 25 1032 | 05 33              | 14 37              | 27 32              | 07 54              | 03 06              | 07 48              | 13 35              | 26 26              | 00 45              |   |
| 17 Su | 02 3449 | 01 0714 | 07 0310 | 05 30              | 16 34              | 27 24              | 08 35              | 03 06              | 07 47              | 13 38              | 26 27              | 00 45              |   |
| 18 Mo | 03 3237 | 12 5847 | 18 5433 | 05 26              | 18 30              | 27 14              | 09 16              | 03 05              | 07 47              | 13 41              | 26 29              | 00 44              |   |
| 19 Tu | 04 3024 | 24 5050 | 00 4802 | 05 21              | 20 22              | 27 01              | 09 57              | 03 04              | 07 46              | 13 45              | 26 30              | 00 44              |   |
| 20 We | 05 2810 | 06 4627 | 12 4623 | 05 15              | 22 12              | 26 45              | 10 37              | 03 03              | 07 45              | 13 48              | 26 31              | 00 43              |   |
| 21 Th | 06 2555 | 18 4804 | 24 5144 | 05 10              | 23 59              | 26 28              | 11 18              | 03 02              | 07 44              | 13 51              | 26 32              | 00 42              |   |
| 22 Fr | 07 2338 | 00 5735 | 07 0545 | 05 06              | 25 44              | 26 08              | 11 58              | 03 01              | 07 43              | 13 55              | 26 33              | 00 42              |   |
| 23 Sa | 08 2121 | 13 1625 | 19 2943 | 05 03              | 27 25              | 25 46              | 12 39              | 02 59              | 07 42              | 13 58              | 26 34              | 00 41              |   |
| 24 Su | 09 1902 | 25 4546 | 02 0442 | 05 02              | 29 03              | 25 21              | 13 19              | 02 58              | 07 41              | 14 01              | 26 35              | 00 40              |   |
| 25 Mo | 10 1641 | 08 2638 | 14 5144 | 05 02 <sub>D</sub> | 00 38              | 24 55              | 14 00              | 02 56              | 07 40              | 14 04              | 26 36              | 00 39              |   |
| 26 Tu | 11 1419 | 21 2007 | 27 5155 | 05 02              | 02 09              | 24 26              | 14 40              | 02 54              | 07 38              | 14 07              | 26 37              | 00 38              |   |
| 27 We | 12 1156 | 04 2717 | 11 0622 | 05 04              | 03 38              | 23 56              | 15 20              | 02 51              | 07 37              | 14 10              | 26 38              | 00 38              |   |
| 28 Th | 13 0932 | 17 4917 | 24 3609 | 05 05              | 05 03              | 23 24              | 16 00              | 02 49              | 07 35              | 14 14              | 26 38              | 00 37              |   |
| 29 Fr | 14 0706 | 01 2704 | 08 2202 | 05 06              | 06 25              | 22 51              | 16 41              | 02 46              | 07 34              | 14 17              | 26 39              | 00 36              |   |
| 30 Sa | 15 0438 | 15 2104 | 22 2403 | 05 07 <sub>R</sub> | 07 44              | 22 16              | 17 21              | 02 43              | 07 32              | 14 20              | 26 40              | 00 35              |   |
| 31 Su | 16 0209 | 29 3050 | 06 4107 | 05 06              | 08 59              | 21 40              | 18 00              | 02 40              | 07 30              | 14 23              | 26 41              | 00 34              |   |

### Planetary Data

| Ingresses      |   | Day | Time     |
|----------------|---|-----|----------|
| ♈              | ♌ | 4   | 11:09 AM |
| ♉              | ♊ | 9   | 12:16 AM |
| ☉              | ♋ | 14  | 7:46 AM  |
| ♎              | ♈ | 24  | 2:23 PM  |
| Stations       |   | Day | Time     |
| ♃ <sub>R</sub> |   | 10  | 11:39 PM |
| ♋ <sub>R</sub> |   | 13  | 2:45 AM  |
| ♄ <sub>R</sub> |   | 14  | 10:34 AM |

### Lunar Ingresses & Void Moons

| Ingresses  |          | Day | Time     |             |
|------------|----------|-----|----------|-------------|
| ♋          |          | 29  | 10:28 AM |             |
| ♌          |          | 1   | 3:34 PM  |             |
| ♍          |          | 3   | 5:38 PM  |             |
| ♎          |          | 5   | 5:45 PM  |             |
| ♏          |          | 7   | 5:44 PM  |             |
| ♐          |          | 9   | 7:33 PM  |             |
| ♑          |          | 12  | 12:47 AM |             |
| ♒          |          | 14  | 9:52 AM  |             |
| ♓          |          | 16  | 9:45 PM  |             |
| ♈          |          | 19  | 10:24 AM |             |
| ♉          |          | 21  | 10:07 PM |             |
| ♊          |          | 24  | 8:04 AM  |             |
| ♋          |          | 26  | 3:53 PM  |             |
| ♌          |          | 28  | 9:29 PM  |             |
| ♍          |          | 31  | 12:48 AM |             |
| Void Times |          | Day | Time     | Last Aspect |
| 1          | 12:05 PM | ♊   | ♈        |             |
| 3          | 11:22 AM | ♋   | ♎        |             |
| 5          | 12:23 PM | ♌   | ♉        |             |
| 7          | 12:31 PM | ♍   | ♎        |             |
| 9          | 3:14 PM  | ♍   | ♉        |             |
| 11         | 8:24 PM  | ♌   | ☉        |             |
| 14         | 5:20 AM  | ♌   | ♉        |             |
| 16         | 4:36 PM  | ♍   | ♉        |             |
| 19         | 4:17 AM  | ♎   | ♉        |             |
| 21         | 3:19 PM  | ♎   | ♎        |             |
| 24         | 7:10 AM  | ♏   | ♎        |             |
| 26         | 9:43 AM  | ♌   | ♎        |             |
| 28         | 9:31 AM  | ♎   | ♉        |             |
| 30         | 7:14 PM  | ♋   | ♎        |             |

### Phases & Eclipses

| Lunar Phases   |          | Day | Time     |
|----------------|----------|-----|----------|
| 30             | 4:39 PM  | ☾   | 16 549   |
| 7              | 6:45 AM  | ☉   | 23 12    |
| 14             | 10:03 AM | ☾   | 00 05    |
| 22             | 1:39 PM  | ☀   | 07 56    |
| 29             | 11:30 PM | ☾   | 15 203   |
| Solar Eclipses |          | Day | Time     |
|                |          |     | ~ None ~ |
| Lunar Eclipses |          | Day | Time     |
|                |          |     | ~ None ~ |

# June 2020

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉        | ☽        | +12 Hr   | True♊   | ♀       | ♋       | ♌       | ♍       | ♎       | ♏       | ♐       | ♑       | ♒ | ♓ |
|-------|----------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---|
| 01 Mo | 16♊ 5939 | 13♋ 5433 | 21♋ 1038 | 05♊ 05R | 10♊ 11D | 21♋ 04R | 18♎ 40D | 02♋ 37R | 07♋ 28R | 14♎ 26D | 26♎ 41D | 00♋ 33R |   |   |
| 02 Tu | 17 5708  | 28 2849  | 05♌ 4824 | 05 03   | 11 19   | 20 27   | 19 20   | 02 34   | 07 26   | 14 29   | 26 42   | 00 32   |   |   |
| 03 We | 18 5435  | 13♌ 0839 | 20 2846  | 05 01   | 12 24   | 19 49   | 20 00   | 02 30   | 07 24   | 14 32   | 26 43   | 00 31   |   |   |
| 04 Th | 19 5201  | 27 4754  | 05♍ 0513 | 04 59   | 13 25   | 19 11   | 20 39   | 02 27   | 07 22   | 14 35   | 26 43   | 00 30   |   |   |
| 05 Fr | 20 4926  | 12♍ 1956 | 19 3115  | 04 58   | 14 22   | 18 34   | 21 19   | 02 23   | 07 19   | 14 38   | 26 44   | 00 29   |   |   |
| 06 Sa | 21 4650  | 26 3832  | 03♎ 4111 | 04 57   | 15 16   | 17 56   | 21 58   | 02 19   | 07 17   | 14 41   | 26 45   | 00 28   |   |   |
| 07 Su | 22 4413  | 10♎ 3845 | 17 3054  | 04 57D  | 16 06   | 17 20   | 22 38   | 02 14   | 07 15   | 14 44   | 26 45   | 00 27   |   |   |
| 08 Mo | 23 4135  | 24 1724  | 00♏ 5811 | 04 57   | 16 52   | 16 44   | 23 17   | 02 10   | 07 12   | 14 46   | 26 46   | 00 26   |   |   |
| 09 Tu | 24 3857  | 07♏ 3316 | 14 0248  | 04 58   | 17 34   | 16 09   | 23 56   | 02 06   | 07 10   | 14 49   | 26 46   | 00 25   |   |   |
| 10 We | 25 3618  | 20 2700  | 26 4611  | 04 59   | 18 12   | 15 35   | 24 35   | 02 01   | 07 07   | 14 52   | 26 47   | 00 24   |   |   |
| 11 Th | 26 3339  | 03♐ 0044 | 09♐ 1107 | 05 00   | 18 45   | 15 03   | 25 14   | 01 56   | 07 04   | 14 55   | 26 47   | 00 23   |   |   |
| 12 Fr | 27 3059  | 15 1749  | 21 2121  | 05 00   | 19 15   | 14 33   | 25 53   | 01 51   | 07 01   | 14 58   | 26 47   | 00 22   |   |   |
| 13 Sa | 28 2818  | 27 2218  | 03♑ 2112 | 05 01   | 19 40   | 14 04   | 26 31   | 01 46   | 06 58   | 15 00   | 26 48   | 00 20   |   |   |
| 14 Su | 29 2537  | 09♑ 1838 | 15 1510  | 05 01R  | 20 00   | 13 37   | 27 10   | 01 41   | 06 55   | 15 03   | 26 48   | 00 19   |   |   |
| 15 Mo | 00♊ 2256 | 21 1123  | 27 0748  | 05 00   | 20 17   | 13 13   | 27 48   | 01 35   | 06 52   | 15 06   | 26 48   | 00 18   |   |   |
| 16 Tu | 01 2014  | 03♎ 0457 | 09♎ 0319 | 05 00   | 20 28   | 12 50   | 28 27   | 01 30   | 06 49   | 15 08   | 26 49   | 00 17   |   |   |
| 17 We | 02 1732  | 15 0323  | 21 0534  | 04 59   | 20 35   | 12 30   | 29 05   | 01 24   | 06 46   | 15 11   | 26 49   | 00 16   |   |   |
| 18 Th | 03 1450  | 27 1014  | 03♏ 1745 | 04 59   | 20 38   | 12 12   | 29 43   | 01 18   | 06 43   | 15 14   | 26 49   | 00 14   |   |   |
| 19 Fr | 04 1207  | 09♏ 2823 | 15 4224  | 04 59   | 20 35R  | 11 56   | 00♑ 21  | 01 12   | 06 39   | 15 16   | 26 49   | 00 13   |   |   |
| 20 Sa | 05 0924  | 21 5958  | 28 2114  | 04 59D  | 20 29   | 11 43   | 00 59   | 01 06   | 06 36   | 15 19   | 26 49   | 00 12   |   |   |
| 21 Su | 06 0641  | 04♊ 4616 | 11♊ 1508 | 04 59   | 20 18   | 11 32   | 01 36   | 01 00   | 06 33   | 15 21   | 26 49   | 00 10   |   |   |
| 22 Mo | 07 0357  | 17 4749  | 24 2415  | 04 59R  | 20 03   | 11 23   | 02 14   | 00 53   | 06 29   | 15 24   | 26 49   | 00 09   |   |   |
| 23 Tu | 08 0112  | 01♋ 0420 | 07♋ 4758 | 04 59   | 19 44   | 11 17   | 02 51   | 00 47   | 06 25   | 15 26   | 26 49R  | 00 08   |   |   |
| 24 We | 08 5827  | 14 3457  | 21 2507  | 04 58   | 19 22   | 11 13   | 03 28   | 00 40   | 06 22   | 15 28   | 26 49   | 00 07   |   |   |
| 25 Th | 09 5542  | 28 1816  | 05♌ 1409 | 04 58   | 18 56   | 11 12   | 04 05   | 00 34   | 06 18   | 15 31   | 26 49   | 00 05   |   |   |
| 26 Fr | 10 5256  | 12♌ 1233 | 19 1313  | 04 57   | 18 27   | 11 13D  | 04 42   | 00 27   | 06 14   | 15 33   | 26 49   | 00 04   |   |   |
| 27 Sa | 11 5010  | 26 1552  | 03♍ 2015 | 04 57   | 17 55   | 11 16   | 05 19   | 00 20   | 06 11   | 15 35   | 26 49   | 00 02   |   |   |
| 28 Su | 12 4723  | 10♍ 2604 | 17 3303  | 04 57   | 17 22   | 11 21   | 05 55   | 00 13   | 06 07   | 15 37   | 26 49   | 00 01   |   |   |
| 29 Mo | 13 4435  | 24 4051  | 01♎ 4910 | 04 57D  | 16 47   | 11 29   | 06 31   | 00 06   | 06 03   | 15 40   | 26 49   | 29♎ 59  |   |   |
| 30 Tu | 14 4147  | 08♎ 5738 | 16 0554  | 04 57   | 16 11   | 11 39   | 07 07   | 29♎ 59  | 05 59   | 15 42   | 26 48   | 29 58   |   |   |
| 01 We | 15 3859  | 23 1334  | 00♏ 2015 | 04 58   | 15 35   | 11 50   | 07 43   | 29 52   | 05 55   | 15 44   | 26 48   | 29 57   |   |   |

### Planetary Data

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♊         | ♊ | 14  | 2:23 PM  |
| ♋         | ♋ | 18  | 10:44 AM |
| ♌         | ♌ | 28  | 7:08 PM  |
| ♍         | ♍ | 29  | 7:51 PM  |

  

| Stations |  | Day | Time     |
|----------|--|-----|----------|
| ♋R       |  | 18  | 12:59 AM |
| ♌R       |  | 22  | 10:58 PM |
| ♍D       |  | 25  | 2:48 AM  |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♋         |  | 28  | 9:29 PM  |
| ♌         |  | 31  | 12:48 AM |
| ♍         |  | 2   | 2:30 AM  |
| ♎         |  | 4   | 3:38 AM  |
| ♏         |  | 6   | 5:43 AM  |
| ♐         |  | 8   | 10:15 AM |
| ♑         |  | 10  | 6:11 PM  |
| ♒         |  | 13  | 5:16 AM  |
| ♓         |  | 15  | 5:48 PM  |
| ♊         |  | 18  | 5:34 AM  |
| ♋         |  | 20  | 3:06 PM  |
| ♌         |  | 22  | 10:05 PM |
| ♍         |  | 25  | 2:57 AM  |
| ♎         |  | 27  | 6:21 AM  |
| ♏         |  | 29  | 8:57 AM  |

  

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
| ♋          |  | 30  | 7:14 PM  | ♋ ♋         |
| ♌          |  | 1   | 11:21 AM | ♌ ♌         |
| ♍          |  | 3   | 10:15 PM | ♍ ♍         |
| ♎          |  | 6   | 12:11 AM | ♎ ♎         |
| ♏          |  | 8   | 4:26 AM  | ♏ ♏         |
| ♐          |  | 10  | 10:35 AM | ♐ ♐         |
| ♑          |  | 13  | 2:24 AM  | ♑ ♑         |
| ♒          |  | 14  | 10:07 PM | ♒ ♒         |
| ♓          |  | 18  | 5:17 AM  | ♓ ♓         |
| ♊          |  | 20  | 9:07 AM  | ♊ ♊         |
| ♋          |  | 22  | 4:22 PM  | ♋ ♋         |
| ♌          |  | 24  | 1:35 AM  | ♌ ♌         |
| ♍          |  | 27  | 12:57 AM | ♍ ♍         |
| ♎          |  | 29  | 8:56 AM  | ♎ ♎         |
| ♏          |  | 1   | 11:20 AM | ♏ ♏         |

### Phases & Eclipses

| Lunar Phases |  | Day | Time    |
|--------------|--|-----|---------|
| ☉            |  | 5   | 3:13 PM |
| ☽            |  | 13  | 2:24 AM |
| ☀            |  | 21  | 2:42 AM |
| ☾            |  | 28  | 4:16 AM |

  

| Solar Eclipses |       | Day | Time    |
|----------------|-------|-----|---------|
| A              | 0'38" | 21  | 2:40 AM |

  

| Lunar Eclipses |     | Day | Time    |
|----------------|-----|-----|---------|
| A              | .2f | 5   | 3:25 PM |

# July 2020

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉          | ☽          | +12 Hr     | True♊      | ♋          | ♌         | ♍         | ♎         | ♏         | ♐         | ♑         | ♒         | ♓ |
|-------|------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| 01 We | 15 II 3859 | 23 ♋ 1334  | 00 ♌ 2015  | 04 II 58 D | 15 II 35 R | 11 ♋ 50 D | 07 ♌ 43 D | 29 ♍ 52 R | 05 ♎ 55 R | 15 ♏ 44 D | 26 ♐ 48 R | 29 ♑ 57 R |   |
| 02 Th | 16 3610    | 07 ♌ 2531  | 14 2857    | 04 59      | 14 59      | 12 04     | 08 19     | 29 44     | 05 51     | 15 46     | 26 48     | 29 56     |   |
| 03 Fr | 17 3321    | 21 3009    | 28 2840    | 05 00      | 14 24      | 12 20     | 08 55     | 29 37     | 05 47     | 15 48     | 26 48     | 29 54     |   |
| 04 Sa | 18 3031    | 05 ♍ 2408  | 12 ♎ 1610  | 05 00 R    | 13 51      | 12 37     | 09 30     | 29 30     | 05 43     | 15 50     | 26 47     | 29 53     |   |
| 05 Su | 19 2742    | 19 0427    | 25 4843    | 05 00      | 13 19      | 12 57     | 10 05     | 29 22     | 05 39     | 15 52     | 26 47     | 29 51     |   |
| 06 Mo | 20 2453    | 02 ♏ 2845  | 09 ♐ 0423  | 04 58      | 12 51      | 13 18     | 10 40     | 29 15     | 05 34     | 15 54     | 26 47     | 29 50     |   |
| 07 Tu | 21 2203    | 15 3534    | 22 0215    | 04 57      | 12 26      | 13 41     | 11 15     | 29 07     | 05 30     | 15 56     | 26 46     | 29 48     |   |
| 08 We | 22 1914    | 28 2433    | 04 ♑ 4235  | 04 54      | 12 04      | 14 06     | 11 49     | 28 59     | 05 26     | 15 57     | 26 46     | 29 47     |   |
| 09 Th | 23 1626    | 10 ♒ 5634  | 17 0648    | 04 52      | 11 46      | 14 32     | 12 23     | 28 52     | 05 22     | 15 59     | 26 45     | 29 46     |   |
| 10 Fr | 24 1337    | 23 1338    | 29 1727    | 04 49      | 11 33      | 15 00     | 12 57     | 28 44     | 05 17     | 16 01     | 26 45     | 29 44     |   |
| 11 Sa | 25 1049    | 05 ♋ 1843  | 11 ♌ 1755  | 04 47      | 11 25      | 15 30     | 13 31     | 28 36     | 05 13     | 16 03     | 26 44     | 29 43     |   |
| 12 Su | 26 0802    | 17 1536    | 23 1218    | 04 46      | 11 21      | 16 00     | 14 05     | 28 29     | 05 09     | 16 04     | 26 43     | 29 41     |   |
| 13 Mo | 27 0514    | 29 0837    | 05 ♎ 0508  | 04 46 D    | 11 23 D    | 16 33     | 14 38     | 28 21     | 05 04     | 16 06     | 26 43     | 29 40     |   |
| 14 Tu | 28 0228    | 11 ♏ 0226  | 17 0108    | 04 46      | 11 30      | 17 06     | 15 11     | 28 13     | 05 00     | 16 08     | 26 42     | 29 38     |   |
| 15 We | 28 5942    | 23 0147    | 29 0459    | 04 47      | 11 42      | 17 41     | 15 43     | 28 05     | 04 56     | 16 09     | 26 42     | 29 37     |   |
| 16 Th | 29 5656    | 05 ♋ 1113  | 11 ♌ 2101  | 04 49      | 12 00      | 18 17     | 16 16     | 27 58     | 04 51     | 16 11     | 26 41     | 29 35     |   |
| 17 Fr | 00 ♎ 5412  | 17 3448    | 23 5258    | 04 51      | 12 23      | 18 54     | 16 48     | 27 50     | 04 47     | 16 12     | 26 40     | 29 34     |   |
| 18 Sa | 01 5127    | 00 II 1549 | 06 II 4336 | 04 51      | 12 52      | 19 33     | 17 20     | 27 42     | 04 42     | 16 13     | 26 39     | 29 33     |   |
| 19 Su | 02 4844    | 13 1627    | 19 5425    | 04 51 R    | 13 26      | 20 12     | 17 51     | 27 35     | 04 38     | 16 15     | 26 39     | 29 31     |   |
| 20 Mo | 03 4601    | 26 3727    | 03 ♏ 2523  | 04 50      | 14 06      | 20 53     | 18 22     | 27 27     | 04 33     | 16 16     | 26 38     | 29 30     |   |
| 21 Tu | 04 4318    | 10 ♎ 1757  | 17 1448    | 04 47      | 14 51      | 21 35     | 18 53     | 27 19     | 04 29     | 16 17     | 26 37     | 29 28     |   |
| 22 We | 05 4036    | 24 1528    | 01 ♋ 1925  | 04 43      | 15 42      | 22 17     | 19 24     | 27 12     | 04 25     | 16 18     | 26 36     | 29 27     |   |
| 23 Th | 06 3754    | 08 ♌ 2605  | 15 3450    | 04 38      | 16 38      | 23 01     | 19 54     | 27 04     | 04 20     | 16 20     | 26 35     | 29 25     |   |
| 24 Fr | 07 3513    | 22 4503    | 29 5605    | 04 34      | 17 39      | 23 45     | 20 24     | 26 57     | 04 16     | 16 21     | 26 34     | 29 24     |   |
| 25 Sa | 08 3232    | 07 ♍ 0720  | 14 ♎ 1817  | 04 30      | 18 45      | 24 30     | 20 53     | 26 49     | 04 11     | 16 22     | 26 33     | 29 22     |   |
| 26 Su | 09 2952    | 21 2824    | 28 3718    | 04 27      | 19 56      | 25 16     | 21 22     | 26 42     | 04 07     | 16 23     | 26 32     | 29 21     |   |
| 27 Mo | 10 2712    | 05 ♋ 4436  | 12 ♌ 5001  | 04 26      | 21 13      | 26 03     | 21 51     | 26 34     | 04 02     | 16 24     | 26 31     | 29 20     |   |
| 28 Tu | 11 2432    | 19 5320    | 26 5423    | 04 26 D    | 22 34      | 26 51     | 22 19     | 26 27     | 03 58     | 16 25     | 26 30     | 29 18     |   |
| 29 We | 12 2153    | 03 ♌ 5302  | 10 ♍ 4911  | 04 27      | 23 59      | 27 40     | 22 47     | 26 20     | 03 54     | 16 26     | 26 29     | 29 17     |   |
| 30 Th | 13 1914    | 17 4247    | 24 3344    | 04 28      | 25 30      | 28 29     | 23 15     | 26 13     | 03 49     | 16 26     | 26 28     | 29 15     |   |
| 31 Fr | 14 1636    | 01 ♍ 2200  | 08 ♎ 0731  | 04 29      | 27 04      | 29 19     | 23 42     | 26 06     | 03 45     | 16 27     | 26 27     | 29 14     |   |

### Planetary Data

| Ingresses |    | Day | Time    |
|-----------|----|-----|---------|
| ☉         | ♎  | 16  | 1:16 AM |
| ♀         | II | 31  | 7:40 PM |

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| Stations |   | Day | Time    |
|----------|---|-----|---------|
| ♁        | D | 12  | 4:26 AM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♈         |  | 29  | 8:57 AM  |
| ♌         |  | 1   | 11:26 AM |
| ♍         |  | 3   | 2:38 PM  |
| ♎         |  | 5   | 7:32 PM  |
| ♏         |  | 8   | 3:02 AM  |
| ♐         |  | 10  | 1:25 PM  |
| ♑         |  | 13  | 1:44 AM  |
| ♒         |  | 15  | 1:49 PM  |
| ♓         |  | 17  | 11:31 PM |
| ♈         |  | 20  | 5:58 AM  |
| ♉         |  | 22  | 9:46 AM  |
| ♊         |  | 24  | 12:06 PM |
| ♋         |  | 26  | 2:19 PM  |
| ♌         |  | 28  | 5:19 PM  |
| ♍         |  | 30  | 9:35 PM  |

| Void Times |          | Last Aspect |
|------------|----------|-------------|
| 1          | 11:20 AM | ♋ ✕ ♁       |
| 3          | 9:05 AM  | ♌ □ ♁       |
| 5          | 7:14 PM  | ♍ ♀ ♁       |
| 7          | 12:38 AM | ♎ □ ♁       |
| 10         | 12:52 PM | ♏ ✕ ♁       |
| 13         | 1:02 AM  | ♐ □ ♁       |
| 15         | 1:01 PM  | ♑ △ ♁       |
| 17         | 5:15 PM  | ♒ □ ♁       |
| 20         | 5:05 AM  | ♓ ♀ ♁       |
| 21         | 8:28 PM  | ♈ ✕ ♁       |
| 24         | 11:06 AM | ♉ △ ♁       |
| 26         | 1:13 PM  | ♊ □ ♁       |
| 28         | 4:05 PM  | ♋ ✕ ♁       |
| 30         | 8:08 PM  | ♌ ♀ ♁       |

### Phases & Eclipses

| Lunar Phases |  | Day | Time     |
|--------------|--|-----|----------|
| ☾            |  | 5   | 12:44 AM |
| ☽            |  | 12  | 7:29 PM  |
| ☀            |  | 20  | 1:33 PM  |
| ☾            |  | 27  | 8:33 AM  |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |       | Day | Time     |
|----------------|-------|-----|----------|
| ☀              | A .2f | 5   | 12:30 AM |

# August 2020

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♊                | ♋                    | ♌                    | ♍                    | ♎                    | ♏                    | ♐                    | ♑                    | ♒                    | ♓ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 Sa | 15 ♄ 1358 | 14 ♀ 5012 | 21 ♀ 2958 | 04 ♀ 29 <sub>R</sub> | 28 ♀ 43 <sub>D</sub> | 00 ♀ 09 <sub>D</sub> | 24 ♀ 09 <sub>D</sub> | 25 ♀ 59 <sub>R</sub> | 03 ♀ 41 <sub>R</sub> | 16 ♀ 28 <sub>D</sub> | 26 ♀ 26 <sub>R</sub> | 29 ♀ 13 <sub>R</sub> |   |
| 02 Su | 16 1122   | 28 0644   | 04 ♀ 4024 | 04 27                | 00 ♄ 26              | 01 00                | 24 35                | 25 52                | 03 36                | 16 29                | 26 25                | 29 11                |   |
| 03 Mo | 17 0846   | 11 ♀ 1053 | 17 3807   | 04 22                | 02 12                | 01 52                | 25 01                | 25 45                | 03 32                | 16 29                | 26 24                | 29 10                |   |
| 04 Tu | 18 0610   | 24 0202   | 00 ♀ 2237 | 04 16                | 04 01                | 02 45                | 25 27                | 25 39                | 03 28                | 16 30                | 26 22                | 29 08                |   |
| 05 We | 19 0336   | 06 ♀ 3952 | 12 5349   | 04 09                | 05 54                | 03 38                | 25 52                | 25 32                | 03 24                | 16 30                | 26 21                | 29 07                |   |
| 06 Th | 20 0103   | 19 0436   | 25 1222   | 04 01                | 07 49                | 04 32                | 26 16                | 25 26                | 03 20                | 16 31                | 26 20                | 29 06                |   |
| 07 Fr | 20 5831   | 01 ♀ 1718 | 07 ♀ 1941 | 03 53                | 09 46                | 05 26                | 26 40                | 25 19                | 03 15                | 16 31                | 26 19                | 29 04                |   |
| 08 Sa | 21 5600   | 13 1952   | 19 1811   | 03 46                | 11 45                | 06 21                | 27 04                | 25 13                | 03 11                | 16 32                | 26 17                | 29 03                |   |
| 09 Su | 22 5331   | 25 1506   | 01 ♀ 1106 | 03 40                | 13 46                | 07 16                | 27 27                | 25 07                | 03 07                | 16 32                | 26 16                | 29 02                |   |
| 10 Mo | 23 5102   | 07 ♀ 0642 | 13 0227   | 03 36                | 15 47                | 08 12                | 27 49                | 25 01                | 03 03                | 16 32                | 26 15                | 29 01                |   |
| 11 Tu | 24 4836   | 18 5859   | 24 5653   | 03 35                | 17 50                | 09 08                | 28 11                | 24 55                | 02 59                | 16 33                | 26 13                | 28 59                |   |
| 12 We | 25 4610   | 00 ♀ 5649 | 06 ♀ 5924 | 03 35 <sub>D</sub>   | 19 53                | 10 05                | 28 33                | 24 50                | 02 55                | 16 33                | 26 12                | 28 58                |   |
| 13 Th | 26 4346   | 13 0517   | 19 1506   | 03 36                | 21 56                | 11 02                | 28 54                | 24 44                | 02 52                | 16 33                | 26 11                | 28 57                |   |
| 14 Fr | 27 4124   | 25 2925   | 01 ♀ 4848 | 03 37                | 23 59                | 12 00                | 29 14                | 24 39                | 02 48                | 16 33                | 26 09                | 28 56                |   |
| 15 Sa | 28 3902   | 08 ♀ 1343 | 14 4435   | 03 37 <sub>R</sub>   | 26 02                | 12 58                | 29 34                | 24 34                | 02 44                | 16 33                | 26 08                | 28 54                |   |
| 16 Su | 29 3643   | 21 2140   | 28 0510   | 03 35                | 28 04                | 13 56                | 29 53                | 24 28                | 02 40                | 16 33 <sub>R</sub>   | 26 06                | 28 53                |   |
| 17 Mo | 00 ♀ 3425 | 04 ♄ 5505 | 11 ♄ 5120 | 03 31                | 00 ♀ 05              | 14 55                | 00 ♀ 12              | 24 23                | 02 37                | 16 33                | 26 05                | 28 52                |   |
| 18 Tu | 01 3208   | 18 5334   | 26 0122   | 03 26                | 02 06                | 15 54                | 00 29                | 24 19                | 02 33                | 16 33                | 26 04                | 28 51                |   |
| 19 We | 02 2953   | 03 ♀ 1405 | 10 ♀ 3056 | 03 18                | 04 05                | 16 54                | 00 47                | 24 14                | 02 29                | 16 33                | 26 02                | 28 50                |   |
| 20 Th | 03 2739   | 17 5102   | 25 1324   | 03 08                | 06 04                | 17 54                | 01 03                | 24 10                | 02 26                | 16 33                | 26 01                | 28 48                |   |
| 21 Fr | 04 2526   | 02 ♄ 3658 | 10 ♄ 0044 | 02 59                | 08 01                | 18 55                | 01 19                | 24 05                | 02 22                | 16 32                | 25 59                | 28 47                |   |
| 22 Sa | 05 2315   | 17 2343   | 24 4459   | 02 51                | 09 57                | 19 55                | 01 34                | 24 01                | 02 19                | 16 32                | 25 58                | 28 46                |   |
| 23 Su | 06 2104   | 02 ♄ 0345 | 09 ♄ 1923 | 02 45                | 11 52                | 20 56                | 01 49                | 23 57                | 02 16                | 16 32                | 25 56                | 28 45                |   |
| 24 Mo | 07 1855   | 16 3121   | 23 3919   | 02 41                | 13 46                | 21 58                | 02 03                | 23 53                | 02 13                | 16 31                | 25 55                | 28 44                |   |
| 25 Tu | 08 1647   | 00 ♄ 4302 | 07 ♄ 4224 | 02 39                | 15 38                | 22 59                | 02 16                | 23 50                | 02 09                | 16 31                | 25 53                | 28 43                |   |
| 26 We | 09 1441   | 14 3727   | 21 2815   | 02 39 <sub>D</sub>   | 17 29                | 24 01                | 02 28                | 23 46                | 02 06                | 16 30                | 25 51                | 28 42                |   |
| 27 Th | 10 1235   | 28 1457   | 04 ♀ 5744 | 02 39                | 19 19                | 25 04                | 02 40                | 23 43                | 02 03                | 16 30                | 25 50                | 28 41                |   |
| 28 Fr | 11 1031   | 11 ♀ 3649 | 18 1225   | 02 39 <sub>R</sub>   | 21 07                | 26 06                | 02 51                | 23 40                | 02 00                | 16 29                | 25 48                | 28 40                |   |
| 29 Sa | 12 0828   | 24 4443   | 01 ♀ 1355 | 02 37                | 22 54                | 27 09                | 03 01                | 23 37                | 01 58                | 16 28                | 25 47                | 28 39                |   |
| 30 Su | 13 0627   | 07 ♀ 4010 | 14 0336   | 02 33                | 24 40                | 28 13                | 03 10                | 23 34                | 01 55                | 16 28                | 25 45                | 28 38                |   |
| 31 Mo | 14 0426   | 20 2421   | 26 4228   | 02 26                | 26 24                | 29 16                | 03 19                | 23 32                | 01 52                | 16 27                | 25 43                | 28 37                |   |

### Planetary Data

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♋         | ♀ | 31  | 7:40 PM  |
| ♌         | ♄ | 1   | 6:02 PM  |
| ♍         | ♀ | 16  | 8:58 AM  |
| ♎         | ♄ | 16  | 9:41 AM  |
| ♏         | ♄ | 16  | 10:58 PM |
| ♐         | ♄ | 31  | 4:33 PM  |

  

| Stations |   | Day | Time    |
|----------|---|-----|---------|
| ♏        | ♄ | 15  | 9:41 AM |

### Lunar Ingresses & Void Moons

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♋         | ♄ | 30  | 9:35 PM  |
| ♌         | ♄ | 2   | 3:27 AM  |
| ♍         | ♄ | 4   | 11:18 AM |
| ♎         | ♄ | 6   | 9:28 PM  |
| ♏         | ♄ | 9   | 9:37 AM  |
| ♐         | ♄ | 11  | 10:07 PM |
| ♑         | ♄ | 14  | 8:35 AM  |
| ♒         | ♄ | 16  | 3:22 PM  |
| ♓         | ♄ | 18  | 6:38 PM  |
| ♋         | ♄ | 20  | 7:45 PM  |
| ♌         | ♄ | 22  | 8:37 PM  |
| ♍         | ♄ | 24  | 10:47 PM |
| ♎         | ♄ | 27  | 3:08 AM  |
| ♏         | ♄ | 29  | 9:43 AM  |
| ♐         | ♄ | 31  | 6:19 PM  |

  

| Void Times |   | Day | Time    | Last Aspect |
|------------|---|-----|---------|-------------|
| ♋          | ♄ | 2   | 1:58 AM | ♋ ♀ ♄       |
| ♌          | ♄ | 4   | 2:45 AM | ♌ ♀ ♄       |
| ♍          | ♄ | 6   | 7:38 PM | ♍ ♀ ♄       |
| ♎          | ♄ | 9   | 7:38 AM | ♎ ♀ ♄       |
| ♏          | ♄ | 11  | 8:03 PM | ♏ ♀ ♄       |
| ♐          | ♄ | 14  | 7:20 AM | ♐ ♀ ♄       |
| ♑          | ♄ | 16  | 1:24 PM | ♑ ♀ ♄       |
| ♒          | ♄ | 17  | 8:02 PM | ♒ ♀ ♄       |
| ♓          | ♄ | 20  | 5:48 PM | ♓ ♀ ♄       |
| ♋          | ♄ | 22  | 6:33 PM | ♋ ♀ ♄       |
| ♌          | ♄ | 24  | 8:35 PM | ♌ ♀ ♄       |
| ♍          | ♄ | 26  | 7:43 PM | ♍ ♀ ♄       |
| ♎          | ♄ | 29  | 7:13 AM | ♎ ♀ ♄       |
| ♏          | ♄ | 30  | 4:31 PM | ♏ ♀ ♄       |

### Phases & Eclipses

| Lunar Phases |   | Day | Time     |
|--------------|---|-----|----------|
| ☾            | ♄ | 3   | 11:59 AM |
| ☽            | ♄ | 11  | 12:45 PM |
| ☀            | ♄ | 18  | 10:41 PM |
| ☾            | ♄ | 25  | 1:58 PM  |

  

| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

  

| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# September 2020 Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉        | ☽        | +12 Hr   | True♊                 | ♀                     | ♋                     | ♌                     | ♍                     | ♎                     | ♏                     | ♐                     | ♑                     | ♒ | ♓ |
|-------|----------|----------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|
| 01 Tu | 15 02:28 | 02 58:03 | 09 11:08 | 02 16:16 <sub>R</sub> | 28 07:07 <sub>D</sub> | 00 20:20 <sub>D</sub> | 03 27:27 <sub>D</sub> | 23 29:29 <sub>R</sub> | 01 49:49 <sub>R</sub> | 16 26:26 <sub>R</sub> | 25 42:42 <sub>R</sub> | 28 36:36 <sub>R</sub> |   |   |
| 02 We | 16 00:31 | 15 21:46 | 21 30:02 | 02 04                 | 29 49                 | 01 24                 | 03 34                 | 23 27                 | 01 47                 | 16 25                 | 25 40                 | 28 35                 |   |   |
| 03 Th | 16 58:35 | 27 36:00 | 03 39:45 | 01 51                 | 01 30                 | 02 28                 | 03 40                 | 23 25                 | 01 44                 | 16 25                 | 25 39                 | 28 34                 |   |   |
| 04 Fr | 17 56:42 | 09 41:27 | 15 41:16 | 01 38                 | 03 09                 | 03 33                 | 03 46                 | 23 23                 | 01 42                 | 16 24                 | 25 37                 | 28 34                 |   |   |
| 05 Sa | 18 54:50 | 21 39:24 | 27 36:08 | 01 26                 | 04 48                 | 04 37                 | 03 50                 | 23 22                 | 01 40                 | 16 23                 | 25 35                 | 28 33                 |   |   |
| 06 Su | 19 53:00 | 03 31:47 | 09 26:43 | 01 16                 | 06 25                 | 05 42                 | 03 54                 | 23 20                 | 01 37                 | 16 22                 | 25 34                 | 28 32                 |   |   |
| 07 Mo | 20 51:12 | 15 21:22 | 21 16:13 | 01 09                 | 08 01                 | 06 48                 | 03 57                 | 23 19                 | 01 35                 | 16 21                 | 25 32                 | 28 31                 |   |   |
| 08 Tu | 21 49:26 | 27 11:47 | 03 08:38 | 01 04                 | 09 35                 | 07 53                 | 03 59                 | 23 18                 | 01 33                 | 16 19                 | 25 30                 | 28 31                 |   |   |
| 09 We | 22 47:42 | 09 07:23 | 15 08:39 | 01 02                 | 11 09                 | 08 59                 | 04 00                 | 23 17                 | 01 31                 | 16 18                 | 25 29                 | 28 30                 |   |   |
| 10 Th | 23 46:00 | 21 13:07 | 27 21:27 | 01 01                 | 12 41                 | 10 05                 | 04 00 <sub>R</sub>    | 23 17                 | 01 29                 | 16 17                 | 25 27                 | 28 29                 |   |   |
| 11 Fr | 24 44:20 | 03 34:17 | 09 52:19 | 01 01                 | 14 12                 | 11 11                 | 03 59                 | 23 16                 | 01 28                 | 16 16                 | 25 25                 | 28 28                 |   |   |
| 12 Sa | 25 42:42 | 16 16:07 | 22 46:14 | 01 01                 | 15 42                 | 12 17                 | 03 58                 | 23 16                 | 01 26                 | 16 15                 | 25 24                 | 28 28                 |   |   |
| 13 Su | 26 41:06 | 29 23:09 | 06 07:12 | 00 59                 | 17 11                 | 13 24                 | 03 55                 | 23 16 <sub>D</sub>    | 01 24                 | 16 13                 | 25 22                 | 28 27                 |   |   |
| 14 Mo | 27 39:33 | 12 58:35 | 19 57:21 | 00 54                 | 18 39                 | 14 31                 | 03 52                 | 23 16                 | 01 23                 | 16 12                 | 25 20                 | 28 27                 |   |   |
| 15 Tu | 28 38:01 | 27 03:19 | 04 16:09 | 00 47                 | 20 05                 | 15 38                 | 03 48                 | 23 16                 | 01 21                 | 16 11                 | 25 19                 | 28 26                 |   |   |
| 16 We | 29 36:31 | 11 35:12 | 18 59:42 | 00 37                 | 21 31                 | 16 45                 | 03 43                 | 23 17                 | 01 20                 | 16 09                 | 25 17                 | 28 26                 |   |   |
| 17 Th | 00 35:04 | 26 28:37 | 04 00:48 | 00 26                 | 22 55                 | 17 52                 | 03 37                 | 23 18                 | 01 19                 | 16 08                 | 25 15                 | 28 25                 |   |   |
| 18 Fr | 01 33:38 | 11 34:57 | 19 09:43 | 00 15                 | 24 18                 | 19 00                 | 03 30                 | 23 18                 | 01 18                 | 16 06                 | 25 14                 | 28 25                 |   |   |
| 19 Sa | 02 32:15 | 26 43:48 | 04 15:55 | 00 04                 | 25 40                 | 20 08                 | 03 22                 | 23 20                 | 01 17                 | 16 05                 | 25 12                 | 28 24                 |   |   |
| 20 Su | 03 30:53 | 11 44:58 | 19 09:57 | 29 56                 | 27 00                 | 21 15                 | 03 14                 | 23 21                 | 01 16                 | 16 03                 | 25 11                 | 28 24                 |   |   |
| 21 Mo | 04 29:32 | 26 30:06 | 03 44:52 | 29 51                 | 28 19                 | 22 23                 | 03 04                 | 23 22                 | 01 15                 | 16 01                 | 25 09                 | 28 23                 |   |   |
| 22 Tu | 05 28:14 | 10 53:51 | 17 56:54 | 29 48                 | 29 36                 | 23 32                 | 02 54                 | 23 24                 | 01 14                 | 16 00                 | 25 07                 | 28 23                 |   |   |
| 23 We | 06 26:57 | 24 53:58 | 01 45:10 | 29 47                 | 00 53                 | 24 40                 | 02 43                 | 23 26                 | 01 14                 | 15 58                 | 25 06                 | 28 23                 |   |   |
| 24 Th | 07 25:42 | 08 30:44 | 15 10:58 | 29 47                 | 02 07                 | 25 49                 | 02 32                 | 23 28                 | 01 13                 | 15 56                 | 25 04                 | 28 22                 |   |   |
| 25 Fr | 08 24:28 | 21 46:12 | 28 16:50 | 29 47                 | 03 20                 | 26 57                 | 02 19                 | 23 30                 | 01 13                 | 15 54                 | 25 02                 | 28 22                 |   |   |
| 26 Sa | 09 23:17 | 04 43:16 | 11 05:52 | 29 45                 | 04 32                 | 28 06                 | 02 06                 | 23 33                 | 01 12                 | 15 53                 | 25 01                 | 28 22                 |   |   |
| 27 Su | 10 22:07 | 17 25:01 | 23 41:03 | 29 40                 | 05 41                 | 29 15                 | 01 53                 | 23 35                 | 01 12                 | 15 51                 | 24 59                 | 28 21                 |   |   |
| 28 Mo | 11 20:58 | 29 54:17 | 06 04:59 | 29 33                 | 06 49                 | 00 24                 | 01 38                 | 23 38                 | 01 12                 | 15 49                 | 24 58                 | 28 21                 |   |   |
| 29 Tu | 12 19:52 | 12 13:24 | 18 19:44 | 29 22                 | 07 54                 | 01 34                 | 01 23                 | 23 41                 | 01 12                 | 15 47                 | 24 56                 | 28 21                 |   |   |
| 30 We | 13 18:47 | 24 24:11 | 00 26:53 | 29 10                 | 08 57                 | 02 43                 | 01 08                 | 23 44                 | 01 12 <sub>D</sub>    | 15 45                 | 24 55                 | 28 21                 |   |   |
| 01 Th | 14 17:45 | 06 28:01 | 12 27:41 | 28 57                 | 09 58                 | 03 53                 | 00 52                 | 23 47                 | 01 12                 | 15 43                 | 24 53                 | 28 21                 |   |   |

## Planetary Data

| Ingresses |   | Day | Time    |
|-----------|---|-----|---------|
| ♋         | ♎ | 31  | 4:33 PM |
| ♌         | ♏ | 2   | 2:32 AM |
| ♍         | ♐ | 16  | 9:37 AM |
| ♎         | ♑ | 22  | 7:22 AM |
| ♏         | ♒ | 27  | 3:32 PM |

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| Stations       |  | Day | Time     |
|----------------|--|-----|----------|
| ♌ <sub>R</sub> |  | 9   | 6:22 PM  |
| ♎ <sub>D</sub> |  | 12  | 8:47 PM  |
| ♏ <sub>D</sub> |  | 29  | 12:45 AM |

## Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♏         |  | 29  | 9:43 AM  |
| ♐         |  | 31  | 6:19 PM  |
| ♑         |  | 3   | 4:45 AM  |
| ♒         |  | 5   | 4:52 PM  |
| ♓         |  | 8   | 5:40 AM  |
| ♊         |  | 10  | 5:08 PM  |
| ♋         |  | 13  | 1:06 AM  |
| ♌         |  | 15  | 4:56 AM  |
| ♍         |  | 17  | 5:37 AM  |
| ♎         |  | 19  | 5:12 AM  |
| ♏         |  | 21  | 5:47 AM  |
| ♐         |  | 23  | 8:55 AM  |
| ♑         |  | 25  | 3:11 PM  |
| ♒         |  | 28  | 12:12 AM |
| ♓         |  | 30  | 11:07 AM |

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 30  | 4:31 PM  | ☐ ♃ ♀       |
|            |  | 3   | 1:56 AM  | ✕ ♃ ♀       |
|            |  | 5   | 1:54 PM  | ☐ ♃ ♀       |
|            |  | 8   | 2:40 AM  | △ ♃ ♀       |
|            |  | 10  | 8:17 AM  | ☐ ♃ ♀       |
|            |  | 12  | 10:19 PM | ♂ ♃ ♀       |
|            |  | 14  | 10:54 AM | ✕ ♃ ♀       |
|            |  | 17  | 3:05 AM  | △ ♃ ♀       |
|            |  | 19  | 2:39 AM  | ☐ ♃ ♀       |
|            |  | 21  | 3:07 AM  | ✕ ♃ ♀       |
|            |  | 23  | 12:21 AM | ☐ ♃ ♀       |
|            |  | 25  | 12:10 PM | ♂ ♃ ♀       |
|            |  | 26  | 9:00 PM  | ☐ ♃ ♀       |
|            |  | 30  | 7:50 AM  | ✕ ♃ ♀       |

## Phases & Eclipses

| Lunar Phases |  | Day | Time    |
|--------------|--|-----|---------|
| ☉            |  | 2   | 1:22 AM |
| ☽            |  | 10  | 5:26 AM |
| ☀            |  | 17  | 7:00 AM |
| ☾            |  | 23  | 9:55 PM |
| ☉            |  | 1   | 5:06 PM |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# October 2020

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋                | ♀                    | ♊                    | ♍                    | ♌                    | ♎                    | ♏                    | ♐                    | ♑                    | ♒ | ♓ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|---|
| 01 Th | 14 ♀ 1745 | 06 ♀ 2801 | 12 ♀ 2741 | 28 ♂ 57 <sub>R</sub> | 09 ♀ 58 <sub>D</sub> | 03 ♀ 53 <sub>D</sub> | 00 ♀ 52 <sub>R</sub> | 23 ♀ 47 <sub>D</sub> | 01 ♀ 12 <sub>D</sub> | 15 ♀ 43 <sub>R</sub> | 24 ♀ 53 <sub>R</sub> | 28 ♀ 21 <sub>R</sub> |   |   |
| 02 Fr | 15 1644   | 18 2604   | 24 2317   | 28 43                | 10 57                | 05 03                | 00 35                | 23 51                | 01 12                | 15 41                | 24 52                | 28 21                |   |   |
| 03 Sa | 16 1545   | 00 ♀ 1932 | 06 ♀ 1500 | 28 31                | 11 52                | 06 12                | 00 18                | 23 55                | 01 12                | 15 39                | 24 50                | 28 21                |   |   |
| 04 Su | 17 1449   | 12 0955   | 18 0434   | 28 20                | 12 45                | 07 23                | 00 00                | 23 59                | 01 13                | 15 37                | 24 48                | 28 21                |   |   |
| 05 Mo | 18 1354   | 23 5915   | 29 5420   | 28 13                | 13 34                | 08 33                | 29 ♀ 43              | 24 03                | 01 13                | 15 35                | 24 47                | 28 21 <sub>D</sub>   |   |   |
| 06 Tu | 19 1302   | 05 ♂ 5013 | 11 ♂ 4721 | 28 08                | 14 20                | 09 43                | 29 24                | 24 07                | 01 14                | 15 33                | 24 46                | 28 21                |   |   |
| 07 We | 20 1212   | 17 4614   | 23 4725   | 28 05                | 15 02                | 10 53                | 29 06                | 24 11                | 01 15                | 15 30                | 24 44                | 28 21                |   |   |
| 08 Th | 21 1125   | 29 5127   | 05 ♀ 5858 | 28 05 <sub>D</sub>   | 15 40                | 12 04                | 28 47                | 24 16                | 01 16                | 15 28                | 24 43                | 28 21                |   |   |
| 09 Fr | 22 1039   | 12 ♀ 1034 | 18 2654   | 28 05                | 16 13                | 13 15                | 28 28                | 24 21                | 01 17                | 15 26                | 24 41                | 28 21                |   |   |
| 10 Sa | 23 0956   | 24 4834   | 01 ♀ 1609 | 28 06 <sub>R</sub>   | 16 40                | 14 26                | 28 09                | 24 26                | 01 18                | 15 24                | 24 40                | 28 21                |   |   |
| 11 Su | 24 0915   | 07 ♀ 5013 | 14 3111   | 28 05                | 17 03                | 15 36                | 27 50                | 24 31                | 01 19                | 15 22                | 24 38                | 28 21                |   |   |
| 12 Mo | 25 0837   | 21 1926   | 28 1510   | 28 02                | 17 19                | 16 48                | 27 31                | 24 36                | 01 20                | 15 19                | 24 37                | 28 22                |   |   |
| 13 Tu | 26 0801   | 05 ♀ 1825 | 12 ♀ 2901 | 27 56                | 17 29                | 17 59                | 27 12                | 24 42                | 01 21                | 15 17                | 24 36                | 28 22                |   |   |
| 14 We | 27 0727   | 19 4637   | 27 1034   | 27 49                | 17 32 <sub>R</sub>   | 19 10                | 26 52                | 24 47                | 01 23                | 15 15                | 24 34                | 28 22                |   |   |
| 15 Th | 28 0656   | 04 ♀ 4003 | 12 ♀ 1401 | 27 40                | 17 27                | 20 21                | 26 33                | 24 53                | 01 24                | 15 12                | 24 33                | 28 22                |   |   |
| 16 Fr | 29 0626   | 19 5112   | 27 3016   | 27 31                | 17 14                | 21 33                | 26 15                | 24 59                | 01 26                | 15 10                | 24 32                | 28 23                |   |   |
| 17 Sa | 00 ♀ 0559 | 05 ♀ 0947 | 12 ♀ 4819 | 27 23                | 16 53                | 22 45                | 25 56                | 25 05                | 01 28                | 15 08                | 24 30                | 28 23                |   |   |
| 18 Su | 01 0534   | 20 2430   | 27 5706   | 27 16                | 16 23                | 23 56                | 25 38                | 25 11                | 01 30                | 15 05                | 24 29                | 28 23                |   |   |
| 19 Mo | 02 0510   | 05 ♀ 2503 | 12 ♀ 4729 | 27 12                | 15 45                | 25 08                | 25 19                | 25 18                | 01 31                | 15 03                | 24 28                | 28 24                |   |   |
| 20 Tu | 03 0449   | 20 0346   | 27 1328   | 27 10                | 14 58                | 26 20                | 25 02                | 25 24                | 01 33                | 15 01                | 24 27                | 28 24                |   |   |
| 21 We | 04 0429   | 04 ♀ 1622 | 11 ♀ 1225 | 27 10 <sub>D</sub>   | 14 04                | 27 32                | 24 44                | 25 31                | 01 36                | 14 58                | 24 25                | 28 25                |   |   |
| 22 Th | 05 0411   | 18 0143   | 24 4432   | 27 11                | 13 01                | 28 44                | 24 28                | 25 38                | 01 38                | 14 56                | 24 24                | 28 25                |   |   |
| 23 Fr | 06 0354   | 01 ♀ 2112 | 07 ♀ 5207 | 27 12                | 11 53                | 29 56                | 24 11                | 25 45                | 01 40                | 14 53                | 24 23                | 28 26                |   |   |
| 24 Sa | 07 0340   | 14 1745   | 20 3835   | 27 11 <sub>R</sub>   | 10 40                | 01 ♀ 09              | 23 55                | 25 52                | 01 42                | 14 51                | 24 22                | 28 26                |   |   |
| 25 Su | 08 0327   | 26 5506   | 03 ♀ 0747 | 27 09                | 09 25                | 02 21                | 23 40                | 26 00                | 01 45                | 14 48                | 24 21                | 28 27                |   |   |
| 26 Mo | 09 0315   | 09 ♀ 1708 | 15 2335   | 27 05                | 08 09                | 03 33                | 23 26                | 26 07                | 01 48                | 14 46                | 24 20                | 28 28                |   |   |
| 27 Tu | 10 0306   | 21 2732   | 27 2924   | 26 59                | 06 55                | 04 46                | 23 12                | 26 15                | 01 50                | 14 44                | 24 19                | 28 28                |   |   |
| 28 We | 11 0258   | 03 ♀ 2931 | 09 ♀ 2812 | 26 51                | 05 45                | 05 58                | 22 58                | 26 23                | 01 53                | 14 41                | 24 18                | 28 29                |   |   |
| 29 Th | 12 0252   | 15 2545   | 21 2225   | 26 43                | 04 41                | 07 11                | 22 46                | 26 31                | 01 56                | 14 39                | 24 17                | 28 30                |   |   |
| 30 Fr | 13 0248   | 27 1827   | 03 ♀ 1403 | 26 34                | 03 45                | 08 24                | 22 34                | 26 39                | 01 59                | 14 36                | 24 16                | 28 30                |   |   |
| 31 Sa | 14 0245   | 09 ♀ 0926 | 15 0449   | 26 26                | 02 59                | 09 37                | 22 22                | 26 47                | 02 02                | 14 34                | 24 15                | 28 31                |   |   |

### Planetary Data

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♂ ♀       |  | 4   | 12:37 AM |
| ☉ ♀       |  | 16  | 9:35 PM  |
| ♀ ♀       |  | 23  | 1:15 AM  |

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| Stations       |  | Day | Time    |
|----------------|--|-----|---------|
| ♀ <sub>D</sub> |  | 4   | 8:24 AM |
| ♀ <sub>R</sub> |  | 13  | 9:05 PM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♋         |  | 28  | 12:12 AM |
| ♌         |  | 30  | 11:07 AM |
| ♍         |  | 2   | 11:21 PM |
| ♎         |  | 5   | 12:12 PM |
| ♏         |  | 8   | 12:17 AM |
| ♐         |  | 10  | 9:40 AM  |
| ♑         |  | 12  | 2:59 PM  |
| ♒         |  | 14  | 4:32 PM  |
| ♓         |  | 16  | 3:55 PM  |
| ♌         |  | 18  | 3:17 PM  |
| ♍         |  | 20  | 4:43 PM  |
| ♎         |  | 22  | 9:32 PM  |
| ♏         |  | 25  | 5:57 AM  |
| ♐         |  | 27  | 5:00 PM  |
| ♑         |  | 30  | 5:28 AM  |

| Void Times |          | Day | Time | Last Aspect |
|------------|----------|-----|------|-------------|
| 30         | 7:50 AM  | ♌   | ♎    |             |
| 2          | 8:00 PM  | ♌   | ♏    |             |
| 5          | 8:51 AM  | ♌   | ♏    |             |
| 7          | 9:57 PM  | ♌   | ♏    |             |
| 10         | 6:37 AM  | ♌   | ♏    |             |
| 12         | 10:30 AM | ♌   | ♏    |             |
| 14         | 1:56 PM  | ♌   | ♏    |             |
| 16         | 3:31 PM  | ♌   | ♏    |             |
| 18         | 12:43 PM | ♌   | ♏    |             |
| 20         | 11:28 AM | ♌   | ♏    |             |
| 22         | 9:10 PM  | ♌   | ♏    |             |
| 24         | 5:54 PM  | ♌   | ♏    |             |
| 27         | 1:59 PM  | ♌   | ♏    |             |
| 30         | 2:26 AM  | ♌   | ♏    |             |

### Phases & Eclipses

| Lunar Phases |          | Day | Time    |
|--------------|----------|-----|---------|
| 1            | 5:06 PM  | ☉   | 15 ♀ 00 |
| 9            | 8:40 PM  | ☽   | 23 ♀ 02 |
| 16           | 3:31 PM  | ☀   | 29 ♀ 45 |
| 23           | 9:23 AM  | ☽   | 06 ♀ 27 |
| 31           | 10:50 AM | ☉   | 14 ♀ 30 |

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**Solar Eclipses**  
Day Time  
~ None ~

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**Lunar Eclipses**  
Day Time  
~ None ~

# November 2020 Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉        | ☽        | +12 Hr   | True♋    | ♀        | ♊        | ♂        | ♃        | ♅        | ♄        | ♆        | ♁        | ♂ | ♃ | ♅ | ♄ | ♆ | ♁ |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|
| 01 Su | 15 05:15 | 21 30:02 | 27 26:04 | 26 19:19 | 02 22:22 | 10 53:03 | 22 11:11 | 26 56:26 | 02 05:05 | 14 31:31 | 24 14:14 | 28 32:32 |   |   |   |   |   |   |
| 02 Mo | 16 05:16 | 03 22:46 | 09 20:24 | 26 14:14 | 01 59:59 | 12 06:06 | 22 01:01 | 27 04:04 | 02 08:08 | 14 29:29 | 24 13:13 | 28 33:33 |   |   |   |   |   |   |
| 03 Tu | 17 05:19 | 15 19:15 | 21 19:36 | 26 12:12 | 01 47:47 | 13 19:19 | 21 52:52 | 27 13:13 | 02 12:12 | 14 26:26 | 24 12:12 | 28 34:34 |   |   |   |   |   |   |
| 04 We | 18 05:25 | 27 21:49 | 03 26:17 | 26 11:11 | 01 46:46 | 14 32:32 | 21 44:44 | 27 22:22 | 02 15:15 | 14 24:24 | 24 11:11 | 28 34:34 |   |   |   |   |   |   |
| 05 Th | 19 05:32 | 09 33:24 | 15 43:36 | 26 12:12 | 01 57:57 | 15 45:45 | 21 37:37 | 27 31:31 | 02 19:19 | 14 21:21 | 24 11:11 | 28 35:35 |   |   |   |   |   |   |
| 06 Fr | 20 05:41 | 21 57:22 | 28 15:09 | 26 14:14 | 02 18:18 | 16 59:59 | 21 30:30 | 27 40:40 | 02 22:22 | 14 19:19 | 24 10:10 | 28 36:36 |   |   |   |   |   |   |
| 07 Sa | 21 05:53 | 04 37:28 | 11 04:46 | 26 15:15 | 02 49:49 | 18 12:12 | 21 24:24 | 27 49:49 | 02 26:26 | 14 16:16 | 24 09:09 | 28 37:37 |   |   |   |   |   |   |
| 08 Su | 22 06:06 | 17 37:30 | 24 16:06 | 26 16:16 | 03 28:28 | 19 25:25 | 21 19:19 | 27 58:58 | 02 30:30 | 14 14:14 | 24 08:08 | 28 38:38 |   |   |   |   |   |   |
| 09 Mo | 23 06:22 | 01 00:55 | 07 52:10 | 26 16:16 | 04 15:15 | 20 39:39 | 21 15:15 | 28 07:07 | 02 33:33 | 14 11:11 | 24 08:08 | 28 39:39 |   |   |   |   |   |   |
| 10 Tu | 24 06:39 | 14 50:02 | 21 54:30 | 26 14:14 | 05 09:09 | 21 52:52 | 21 11:11 | 28 17:17 | 02 37:37 | 14 09:09 | 24 07:07 | 28 40:40 |   |   |   |   |   |   |
| 11 We | 25 06:59 | 29 05:23 | 06 22:22 | 26 11:11 | 06 10:10 | 23 06:06 | 21 09:09 | 28 27:27 | 02 41:41 | 14 07:07 | 24 07:07 | 28 41:41 |   |   |   |   |   |   |
| 12 Th | 26 07:20 | 13 44:53 | 21 12:14 | 26 07:07 | 07 15:15 | 24 20:20 | 21 07:07 | 28 36:36 | 02 45:45 | 14 04:04 | 24 06:06 | 28 42:42 |   |   |   |   |   |   |
| 13 Fr | 27 07:44 | 28 43:28 | 06 17:31 | 26 03:03 | 08 26:26 | 25 34:34 | 21 06:06 | 28 46:46 | 02 49:49 | 14 02:02 | 24 05:05 | 28 44:44 |   |   |   |   |   |   |
| 14 Sa | 28 08:09 | 13 53:13 | 21 29:17 | 25 59:59 | 09 40:40 | 26 47:47 | 21 05:05 | 28 56:56 | 02 54:54 | 13 59:59 | 24 05:05 | 28 45:45 |   |   |   |   |   |   |
| 15 Su | 29 08:36 | 29 04:26 | 06 37:25 | 25 56:56 | 10 58:58 | 28 01:01 | 21 06:06 | 29 06:06 | 02 58:58 | 13 57:57 | 24 04:04 | 28 46:46 |   |   |   |   |   |   |
| 16 Mo | 00 09:05 | 14 07:05 | 21 32:24 | 25 54:54 | 12 18:18 | 29 15:15 | 21 07:07 | 29 17:17 | 03 02:02 | 13 55:55 | 24 04:04 | 28 47:47 |   |   |   |   |   |   |
| 17 Tu | 01 09:35 | 28 52:29 | 06 06:38 | 25 54:54 | 13 41:41 | 00 29:29 | 21 09:09 | 29 27:27 | 03 07:07 | 13 52:52 | 24 04:04 | 28 48:48 |   |   |   |   |   |   |
| 18 We | 02 10:07 | 13 14:22 | 20 15:22 | 25 55:55 | 15 06:06 | 01 43:43 | 21 12:12 | 29 37:37 | 03 11:11 | 13 50:50 | 24 03:03 | 28 50:50 |   |   |   |   |   |   |
| 19 Th | 03 10:39 | 27 09:30 | 03 56:47 | 25 56:56 | 16 33:33 | 02 57:57 | 21 16:16 | 29 48:48 | 03 16:16 | 13 48:48 | 24 03:03 | 28 51:51 |   |   |   |   |   |   |
| 20 Fr | 04 11:14 | 10 37:22 | 17 11:33 | 25 57:57 | 18 01:01 | 04 11:11 | 21 21:21 | 29 59:59 | 03 21:21 | 13 45:45 | 24 02:02 | 28 52:52 |   |   |   |   |   |   |
| 21 Sa | 05 11:49 | 23 39:41 | 00 02:13 | 25 59:59 | 19 30:30 | 05 26:26 | 21 26:26 | 00 09:09 | 03 25:25 | 13 43:43 | 24 02:02 | 28 53:53 |   |   |   |   |   |   |
| 22 Su | 06 12:26 | 06 19:39 | 12 32:29 | 25 59:59 | 21 00:00 | 06 40:40 | 21 32:32 | 00 20:20 | 03 30:30 | 13 41:41 | 24 02:02 | 28 55:55 |   |   |   |   |   |   |
| 23 Mo | 07 13:03 | 18 41:17 | 24 46:36 | 25 59:59 | 22 31:31 | 07 54:54 | 21 39:39 | 00 31:31 | 03 35:35 | 13 39:39 | 24 02:02 | 28 56:56 |   |   |   |   |   |   |
| 24 Tu | 08 13:42 | 00 48:58 | 06 48:55 | 25 57:57 | 24 03:03 | 09 08:08 | 21 46:46 | 00 42:42 | 03 40:40 | 13 37:37 | 24 02:02 | 28 57:57 |   |   |   |   |   |   |
| 25 We | 09 14:22 | 12 46:58 | 18 43:35 | 25 55:55 | 25 35:35 | 10 23:23 | 21 54:54 | 00 54:54 | 03 45:45 | 13 34:34 | 24 01:01 | 28 59:59 |   |   |   |   |   |   |
| 26 Th | 10 15:03 | 24 39:14 | 00 34:21 | 25 53:53 | 27 07:07 | 11 37:37 | 22 03:03 | 01 05:05 | 03 50:50 | 13 32:32 | 24 01:01 | 29 00:00 |   |   |   |   |   |   |
| 27 Fr | 11 15:46 | 06 29:19 | 12 24:29 | 25 50:50 | 28 40:40 | 12 51:51 | 22 13:13 | 01 16:16 | 03 55:55 | 13 30:30 | 24 01:01 | 29 02:02 |   |   |   |   |   |   |
| 28 Sa | 12 16:29 | 18 20:11 | 24 16:43 | 25 48:48 | 00 13:13 | 14 06:06 | 22 23:23 | 01 28:28 | 04 01:01 | 13 28:28 | 24 01:01 | 29 03:03 |   |   |   |   |   |   |
| 29 Su | 13 17:14 | 00 14:22 | 06 13:21 | 25 46:46 | 01 47:47 | 15 20:20 | 22 34:34 | 01 39:39 | 04 06:06 | 13 26:26 | 24 01:01 | 29 05:05 |   |   |   |   |   |   |
| 30 Mo | 14 18:00 | 12 13:55 | 18 16:16 | 25 45:45 | 03 20:20 | 16 35:35 | 22 45:45 | 01 51:51 | 04 11:11 | 13 24:24 | 24 01:01 | 29 06:06 |   |   |   |   |   |   |
| 01 Tu | 15 18:47 | 24 20:38 | 00 27:10 | 25 45:45 | 04 53:53 | 17 49:49 | 22 57:57 | 02 03:03 | 04 17:17 | 13 22:22 | 24 01:01 | 29 08:08 |   |   |   |   |   |   |

## Planetary Data

| Ingresses      |  | Day | Time     |
|----------------|--|-----|----------|
| ☉ ♍            |  | 15  | 8:23 PM  |
| ♀ ♏            |  | 16  | 2:31 PM  |
| ♃ ♏            |  | 20  | 2:52 AM  |
| ♀ ♏            |  | 27  | 8:34 PM  |
| Stations       |  | Day | Time     |
| ♀ <sub>D</sub> |  | 3   | 12:50 PM |
| ♂ <sub>D</sub> |  | 13  | 7:35 PM  |
| ♃ <sub>D</sub> |  | 28  | 7:58 PM  |

## Lunar Ingresses & Void Moons

| Ingresses  |          | Day | Time     |             |
|------------|----------|-----|----------|-------------|
| ♋          |          | 30  | 4:28 AM  |             |
| ♌          |          | 1   | 5:11 PM  |             |
| ♍          |          | 4   | 5:14 AM  |             |
| ♎          |          | 6   | 3:19 PM  |             |
| ♏          |          | 8   | 10:13 PM |             |
| ♐          |          | 11  | 1:30 AM  |             |
| ♑          |          | 13  | 2:02 AM  |             |
| ♒          |          | 15  | 1:29 AM  |             |
| ♓          |          | 17  | 1:52 AM  |             |
| ♈          |          | 19  | 5:00 AM  |             |
| ♉          |          | 21  | 11:56 AM |             |
| ♊          |          | 23  | 10:23 PM |             |
| ♋          |          | 26  | 10:51 AM |             |
| ♌          |          | 28  | 11:32 PM |             |
| ♍          |          | 1   | 11:06 AM |             |
| Void Times |          | Day | Time     | Last Aspect |
| 1          | 2:15 PM  | △   | ♀        |             |
| 3          | 5:43 PM  | □   | ♃        |             |
| 6          | 12:42 PM | ♋   | ♃        |             |
| 8          | 8:47 AM  | □   | ☉        |             |
| 10         | 11:20 PM | △   | ♃        |             |
| 13         | 12:05 AM | □   | ♃        |             |
| 15         | 12:07 AM | ♋   | ☉        |             |
| 16         | 4:06 PM  | □   | ♃        |             |
| 19         | 4:43 AM  | ♋   | ♃        |             |
| 20         | 7:49 PM  | ✕   | ♂        |             |
| 23         | 8:18 PM  | ✕   | ♃        |             |
| 26         | 8:51 AM  | □   | ♃        |             |
| 28         | 9:40 PM  | △   | ♃        |             |
| 30         | 11:22 PM | □   | ♃        |             |

## Phases & Eclipses

| Lunar Phases   |  | Day | Time     |
|----------------|--|-----|----------|
| ☉              |  | 31  | 9:50 AM  |
| ☽              |  | 8   | 8:47 AM  |
| ●              |  | 15  | 12:07 AM |
| ☽              |  | 21  | 11:45 PM |
| ☉              |  | 30  | 4:30 AM  |
| Solar Eclipses |  | Day | Time     |
| ~ None ~       |  |     |          |
| Lunar Eclipses |  | Day | Time     |
| A .2f          |  | 30  | 4:43 AM  |

# December 2020 Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋                | ♀                    | ♊                    | ♍                    | ♌                    | ♎                    | ♏                    | ♐                    | ♑                    | ♒ | ♓ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|---|
| 01 Tu | 15 ♎ 1847 | 24 ♀ 2038 | 00 ♀ 2710 | 25 ♀ 45 <sub>R</sub> | 04 ♎ 53 <sub>D</sub> | 17 ♀ 49 <sub>D</sub> | 22 ♀ 57 <sub>D</sub> | 02 ♀ 03 <sub>D</sub> | 04 ♀ 17 <sub>D</sub> | 13 ♀ 22 <sub>R</sub> | 24 ♀ 01 <sub>D</sub> | 29 ♀ 08 <sub>D</sub> |   |   |
| 02 We | 16 1935   | 06 ♀ 3606 | 12 4737   | 25 45 <sub>D</sub>   | 06 27                | 19 04                | 23 10                | 02 14                | 04 22                | 13 20                | 24 01                | 29 09                |   |   |
| 03 Th | 17 2024   | 19 0155   | 25 1913   | 25 46                | 08 01                | 20 18                | 23 23                | 02 26                | 04 28                | 13 18                | 24 01                | 29 11                |   |   |
| 04 Fr | 18 2115   | 01 ♀ 3943 | 08 ♀ 0340 | 25 46                | 09 34                | 21 33                | 23 37                | 02 38                | 04 33                | 13 16                | 24 02                | 29 12                |   |   |
| 05 Sa | 19 2207   | 14 3117   | 21 0247   | 25 47                | 11 08                | 22 48                | 23 51                | 02 50                | 04 39                | 13 14                | 24 02                | 29 14                |   |   |
| 06 Su | 20 2301   | 27 3824   | 04 ♀ 1821 | 25 48                | 12 42                | 24 02                | 24 07                | 03 02                | 04 45                | 13 12                | 24 02                | 29 16                |   |   |
| 07 Mo | 21 2355   | 11 ♀ 0248 | 17 5153   | 25 48                | 14 15                | 25 17                | 24 22                | 03 15                | 04 51                | 13 11                | 24 02                | 29 17                |   |   |
| 08 Tu | 22 2451   | 24 4542   | 01 ♀ 4415 | 25 48 <sub>R</sub>   | 15 49                | 26 32                | 24 38                | 03 27                | 04 56                | 13 09                | 24 03                | 29 19                |   |   |
| 09 We | 23 2549   | 08 ♀ 4730 | 15 5516   | 25 48                | 17 23                | 27 47                | 24 55                | 03 39                | 05 02                | 13 07                | 24 03                | 29 21                |   |   |
| 10 Th | 24 2647   | 23 0716   | 00 ♀ 2308 | 25 48                | 18 57                | 29 01                | 25 12                | 03 52                | 05 08                | 13 05                | 24 03                | 29 22                |   |   |
| 11 Fr | 25 2747   | 07 ♀ 4221 | 15 0415   | 25 48                | 20 31                | 00 ♎ 16              | 25 30                | 04 04                | 05 14                | 13 04                | 24 04                | 29 24                |   |   |
| 12 Sa | 26 2847   | 22 2808   | 29 5309   | 25 48 <sub>D</sub>   | 22 05                | 01 31                | 25 48                | 04 17                | 05 20                | 13 02                | 24 04                | 29 26                |   |   |
| 13 Su | 27 2949   | 07 ♎ 1824 | 14 ♎ 4256 | 25 48                | 23 39                | 02 46                | 26 06                | 04 30                | 05 26                | 13 01                | 24 05                | 29 28                |   |   |
| 14 Mo | 28 3052   | 22 0548   | 29 2604   | 25 48                | 25 13                | 04 01                | 26 25                | 04 42                | 05 33                | 12 59                | 24 05                | 29 29                |   |   |
| 15 Tu | 29 3155   | 06 ♀ 4252 | 13 ♀ 5525 | 25 48 <sub>R</sub>   | 26 47                | 05 16                | 26 45                | 04 55                | 05 39                | 12 58                | 24 06                | 29 31                |   |   |
| 16 We | 00 ♀ 3259 | 21 0302   | 28 0511   | 25 48                | 28 21                | 06 31                | 27 05                | 05 08                | 05 45                | 12 56                | 24 06                | 29 33                |   |   |
| 17 Th | 01 3404   | 05 ♀ 0129 | 11 ♀ 5138 | 25 47                | 29 56                | 07 46                | 27 25                | 05 21                | 05 51                | 12 55                | 24 07                | 29 35                |   |   |
| 18 Fr | 02 3509   | 18 3533   | 25 1314   | 25 46                | 01 ♀ 30              | 09 01                | 27 46                | 05 34                | 05 58                | 12 53                | 24 07                | 29 36                |   |   |
| 19 Sa | 03 3615   | 01 ♀ 4450 | 08 ♀ 1036 | 25 45                | 03 05                | 10 16                | 28 08                | 05 47                | 06 04                | 12 52                | 24 08                | 29 38                |   |   |
| 20 Su | 04 3721   | 14 3052   | 20 4605   | 25 44                | 04 40                | 11 31                | 28 29                | 06 00                | 06 10                | 12 51                | 24 09                | 29 40                |   |   |
| 21 Mo | 05 3827   | 26 5644   | 03 ♀ 0320 | 25 44                | 06 15                | 12 46                | 28 52                | 06 13                | 06 17                | 12 49                | 24 10                | 29 42                |   |   |
| 22 Tu | 06 3934   | 09 ♀ 0628 | 15 0643   | 25 44 <sub>D</sub>   | 07 50                | 14 01                | 29 14                | 06 26                | 06 23                | 12 48                | 24 10                | 29 44                |   |   |
| 23 We | 07 4040   | 21 0441   | 27 0058   | 25 44                | 09 25                | 15 16                | 29 37                | 06 40                | 06 30                | 12 47                | 24 11                | 29 46                |   |   |
| 24 Th | 08 4147   | 02 ♀ 5611 | 08 ♀ 5053 | 25 45                | 11 01                | 16 31                | 00 ♀ 00              | 06 53                | 06 36                | 12 46                | 24 12                | 29 48                |   |   |
| 25 Fr | 09 4254   | 14 4538   | 20 4059   | 25 46                | 12 37                | 17 46                | 00 24                | 07 06                | 06 43                | 12 45                | 24 13                | 29 49                |   |   |
| 26 Sa | 10 4401   | 26 3723   | 02 ♀ 3520 | 25 48                | 14 13                | 19 01                | 00 48                | 07 20                | 06 50                | 12 44                | 24 14                | 29 51                |   |   |
| 27 Su | 11 4508   | 08 ♀ 3514 | 14 3727   | 25 49                | 15 49                | 20 16                | 01 12                | 07 33                | 06 56                | 12 43                | 24 15                | 29 53                |   |   |
| 28 Mo | 12 4615   | 20 4220   | 26 5007   | 25 50                | 17 26                | 21 31                | 01 37                | 07 47                | 07 03                | 12 42                | 24 16                | 29 55                |   |   |
| 29 Tu | 13 4723   | 03 ♀ 0103 | 09 ♀ 1519 | 25 50 <sub>R</sub>   | 19 02                | 22 46                | 02 02                | 08 00                | 07 10                | 12 41                | 24 17                | 29 57                |   |   |
| 30 We | 14 4831   | 15 3300   | 21 5413   | 25 49                | 20 40                | 24 01                | 02 27                | 08 14                | 07 17                | 12 41                | 24 18                | 29 59                |   |   |
| 31 Th | 15 4938   | 28 1859   | 04 ♀ 4717 | 25 46                | 22 17                | 25 16                | 02 52                | 08 27                | 07 23                | 12 40                | 24 19                | 00 ♀ 01              |   |   |

## Planetary Data

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♀ ♎       |  | 10  | 6:47 PM  |
| ☉ ♋       |  | 15  | 11:02 AM |
| ♀ ♋       |  | 17  | 1:07 AM  |
| ♂ ♐       |  | 23  | 11:49 PM |
| ♀ ♏       |  | 30  | 11:46 AM |

| Stations |  | Day | Time |
|----------|--|-----|------|
| ~ None ~ |  |     |      |

## Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♋         |  | 28  | 11:32 PM |
| ♌         |  | 1   | 11:06 AM |
| ♍         |  | 3   | 8:51 PM  |
| ♎         |  | 6   | 4:16 AM  |
| ♏         |  | 8   | 9:02 AM  |
| ♐         |  | 10  | 11:22 AM |
| ♑         |  | 12  | 12:11 PM |
| ♒         |  | 14  | 12:56 PM |
| ♓         |  | 16  | 3:18 PM  |
| ♈         |  | 18  | 8:46 PM  |
| ♉         |  | 21  | 6:00 AM  |
| ♊         |  | 23  | 6:02 PM  |
| ♋         |  | 26  | 6:48 AM  |
| ♌         |  | 28  | 6:09 PM  |
| ♍         |  | 31  | 3:08 AM  |

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 30  | 11:22 PM | ☐ ♀         |
|            |  | 3   | 7:22 PM  | ♂ ♀         |
|            |  | 5   | 5:28 PM  | △ ♀         |
|            |  | 8   | 7:52 AM  | △ ♀         |
|            |  | 10  | 10:21 AM | ☐ ♀         |
|            |  | 12  | 11:18 AM | ✕ ♀         |
|            |  | 14  | 11:17 AM | ♀ ☉         |
|            |  | 16  | 2:33 PM  | ♀ ♀         |
|            |  | 18  | 5:09 PM  | ✕ ♀         |
|            |  | 21  | 5:25 AM  | ✕ ♀         |
|            |  | 23  | 5:51 PM  | ♀ ♀         |
|            |  | 26  | 6:32 AM  | △ ♀         |
|            |  | 28  | 6:59 AM  | ☐ ♀         |
|            |  | 30  | 4:31 PM  | △ ♀         |

## Phases & Eclipses

| Lunar Phases |  | Day | Time     |
|--------------|--|-----|----------|
| ☉            |  | 30  | 4:30 AM  |
| ☽            |  | 7   | 7:36 PM  |
| ☀            |  | 14  | 11:17 AM |
| ☽            |  | 21  | 6:42 PM  |
| ☉            |  | 29  | 10:29 PM |

| Solar Eclipses     |  | Day | Time |
|--------------------|--|-----|------|
| 14 11:13 AM T 2'10 |  |     |      |

| Lunar Eclipses   |  | Day | Time |
|------------------|--|-----|------|
| 30 4:43 AM A .2f |  |     |      |

# January 2021

## Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋     | ♀         | ♊         | ♂         | ♄         | ♃         | ♅         | ♆         | ♁         | ♂ |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| 01 Fr | 16 ♀ 5046 | 11 ♄ 1904 | 17 ♄ 5417 | 25 ♀ 44.8 | 23 ♀ 55 D | 26 ♄ 32 D | 03 ♀ 18 D | 08 ♃ 41 D | 07 ♃ 30 D | 12 ♀ 39 R | 24 ♄ 20 D | 00 ♃ 03 D |   |
| 02 Sa | 17 5154   | 24 3249   | 01 ♀ 1434 | 25 40     | 25 32     | 27 47     | 03 44     | 08 55     | 07 37     | 12 38     | 24 21     | 00 05     |   |
| 03 Su | 18 5303   | 07 ♀ 5924 | 14 4711   | 25 37     | 27 10     | 29 02     | 04 11     | 09 09     | 07 44     | 12 38     | 24 22     | 00 07     |   |
| 04 Mo | 19 5411   | 21 3747   | 28 3105   | 25 34     | 28 49     | 00 ♀ 17   | 04 37     | 09 22     | 07 51     | 12 37     | 24 23     | 00 09     |   |
| 05 Tu | 20 5520   | 05 ♄ 2657 | 12 ♄ 2514 | 25 31     | 00 ♃ 27   | 01 32     | 05 04     | 09 36     | 07 58     | 12 37     | 24 25     | 00 11     |   |
| 06 We | 21 5629   | 19 2548   | 26 2831   | 25 31     | 02 05     | 02 47     | 05 31     | 09 50     | 08 05     | 12 36     | 24 26     | 00 13     |   |
| 07 Th | 22 5739   | 03 ♄ 3311 | 10 ♄ 3937 | 25 31 D   | 03 44     | 04 03     | 05 59     | 10 04     | 08 12     | 12 36     | 24 27     | 00 15     |   |
| 08 Fr | 23 5848   | 17 4735   | 24 5648   | 25 32     | 05 23     | 05 18     | 06 26     | 10 18     | 08 19     | 12 36     | 24 28     | 00 17     |   |
| 09 Sa | 24 5958   | 02 ♄ 0656 | 09 ♄ 1736 | 25 34     | 07 01     | 06 33     | 06 54     | 10 32     | 08 26     | 12 35     | 24 30     | 00 19     |   |
| 10 Su | 26 0107   | 16 2821   | 23 3842   | 25 35     | 08 39     | 07 48     | 07 22     | 10 46     | 08 33     | 12 35     | 24 31     | 00 21     |   |
| 11 Mo | 27 0217   | 00 ♀ 4806 | 07 ♀ 5558 | 25 35 R   | 10 17     | 09 03     | 07 51     | 11 00     | 08 40     | 12 35     | 24 33     | 00 23     |   |
| 12 Tu | 28 0327   | 15 0144   | 22 0447   | 25 34     | 11 54     | 10 19     | 08 19     | 11 14     | 08 47     | 12 35     | 24 34     | 00 25     |   |
| 13 We | 29 0436   | 29 0433   | 06 ♃ 0031 | 25 31     | 13 31     | 11 34     | 08 48     | 11 28     | 08 54     | 12 35     | 24 35     | 00 27     |   |
| 14 Th | 00 ♃ 0545 | 12 ♃ 5211 | 19 3912   | 25 26     | 15 07     | 12 49     | 09 17     | 11 42     | 09 01     | 12 35     | 24 37     | 00 29     |   |
| 15 Fr | 01 0653   | 26 2115   | 02 ♄ 5808 | 25 20     | 16 41     | 14 04     | 09 47     | 11 56     | 09 08     | 12 35 D   | 24 38     | 00 31     |   |
| 16 Sa | 02 0801   | 09 ♄ 2946 | 15 5612   | 25 13     | 18 14     | 15 19     | 10 16     | 12 10     | 09 15     | 12 35     | 24 40     | 00 33     |   |
| 17 Su | 03 0908   | 22 1732   | 28 3400   | 25 07     | 19 45     | 16 35     | 10 46     | 12 24     | 09 22     | 12 35     | 24 41     | 00 35     |   |
| 18 Mo | 04 1014   | 04 ♃ 4557 | 10 ♃ 5345 | 25 02     | 21 14     | 17 50     | 11 16     | 12 38     | 09 29     | 12 35     | 24 43     | 00 37     |   |
| 19 Tu | 05 1120   | 16 5754   | 22 5855   | 24 58     | 22 41     | 19 05     | 11 46     | 12 53     | 09 36     | 12 35     | 24 45     | 00 39     |   |
| 20 We | 06 1224   | 28 5723   | 04 ♀ 5355 | 24 56     | 24 04     | 20 20     | 12 16     | 13 07     | 09 44     | 12 35     | 24 46     | 00 41     |   |
| 21 Th | 07 1328   | 10 ♀ 4909 | 16 4344   | 24 56 D   | 25 23     | 21 36     | 12 46     | 13 21     | 09 51     | 12 36     | 24 48     | 00 43     |   |
| 22 Fr | 08 1431   | 22 3820   | 28 3337   | 24 57     | 26 37     | 22 51     | 13 17     | 13 35     | 09 58     | 12 36     | 24 50     | 00 45     |   |
| 23 Sa | 09 1533   | 04 ♀ 3013 | 10 ♀ 2844 | 24 58     | 27 47     | 24 06     | 13 48     | 13 49     | 10 05     | 12 37     | 24 51     | 00 47     |   |
| 24 Su | 10 1634   | 16 2947   | 22 3353   | 25 00     | 28 50     | 25 21     | 14 18     | 14 04     | 10 12     | 12 37     | 24 53     | 00 49     |   |
| 25 Mo | 11 1734   | 28 4133   | 04 ♀ 5312 | 25 00 R   | 29 47     | 26 36     | 14 49     | 14 18     | 10 19     | 12 38     | 24 55     | 00 51     |   |
| 26 Tu | 12 1833   | 11 ♀ 0912 | 17 2948   | 24 58     | 00 ♄ 36   | 27 52     | 15 21     | 14 32     | 10 26     | 12 38     | 24 57     | 00 53     |   |
| 27 We | 13 1931   | 23 5513   | 00 ♄ 2530 | 24 55     | 01 17     | 29 07     | 15 52     | 14 46     | 10 34     | 12 39     | 24 58     | 00 54     |   |
| 28 Th | 14 2028   | 07 ♄ 0040 | 13 4034   | 24 49     | 01 48     | 00 ♃ 22   | 16 23     | 15 01     | 10 41     | 12 40     | 25 00     | 00 56     |   |
| 29 Fr | 15 2124   | 20 2500   | 27 1339   | 24 41     | 02 09     | 01 37     | 16 55     | 15 15     | 10 48     | 12 40     | 25 02     | 00 58     |   |
| 30 Sa | 16 2219   | 04 ♀ 0607 | 11 ♀ 0156 | 24 32     | 02 19     | 02 52     | 17 27     | 15 29     | 10 55     | 12 41     | 25 04     | 01 00     |   |
| 31 Su | 17 2314   | 18 0037   | 25 0138   | 24 23     | 02 19 R   | 04 08     | 17 59     | 15 43     | 11 02     | 12 42     | 25 06     | 01 02     |   |

### Planetary Data

| Ingresses |   | Day | Time    |
|-----------|---|-----|---------|
| ♂ ♀       | ♂ | 3   | 6:33 PM |
| ♀ ♃       | ♂ | 4   | 5:24 PM |
| ☉ ♃       | ♂ | 13  | 9:44 PM |
| ♀ ♄       | ♄ | 25  | 5:58 AM |
| ♀ ♃       | ♂ | 27  | 4:59 PM |

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| Stations |  | Day | Time     |
|----------|--|-----|----------|
| ♅ D      |  | 14  | 4:13 AM  |
| ♀ R      |  | 30  | 10:52 AM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♁         |  | 28  | 6:09 PM  |
| ♄         |  | 31  | 3:08 AM  |
| ♂         |  | 2   | 9:47 AM  |
| ♄         |  | 4   | 2:35 PM  |
| ♁         |  | 6   | 5:59 PM  |
| ♁         |  | 8   | 8:28 PM  |
| ♂         |  | 10  | 10:40 PM |
| ♃         |  | 13  | 1:35 AM  |
| ♄         |  | 15  | 6:35 AM  |
| ♃         |  | 17  | 2:46 PM  |
| ♂         |  | 20  | 2:07 AM  |
| ♂         |  | 22  | 2:55 PM  |
| ♁         |  | 25  | 2:33 AM  |
| ♄         |  | 27  | 11:14 AM |
| ♂         |  | 29  | 4:52 PM  |
| ♄         |  | 31  | 8:29 PM  |

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 30  | 4:31 PM  | ♁ ♃         |
|            |  | 2   | 6:25 AM  | ♁ ♃         |
|            |  | 4   | 2:12 PM  | ♁ ♃         |
|            |  | 6   | 4:37 AM  | ♁ ♃         |
|            |  | 8   | 11:14 AM | ♁ ♃         |
|            |  | 10  | 1:30 PM  | ♁ ♃         |
|            |  | 13  | 12:01 AM | ♁ ♃         |
|            |  | 14  | 4:29 AM  | ♁ ♃         |
|            |  | 17  | 4:35 AM  | ♁ ♃         |
|            |  | 19  | 12:54 PM | ♁ ♃         |
|            |  | 22  | 8:59 AM  | ♁ ♃         |
|            |  | 25  | 2:18 AM  | ♁ ♃         |
|            |  | 27  | 10:36 AM | ♁ ♃         |
|            |  | 28  | 5:33 PM  | ♁ ♃         |
|            |  | 31  | 12:08 PM | ♁ ♃         |

### Phases & Eclipses

| Lunar Phases |  | Day | Time     |
|--------------|--|-----|----------|
| ☾            |  | 6   | 4:37 AM  |
| ☀            |  | 13  | 12:01 AM |
| ☾            |  | 20  | 4:02 PM  |
| ☀            |  | 28  | 2:16 PM  |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# February 2021

## Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋                | ♀                    | ♊                    | ♂                    | ♄                    | ♃                    | ♅                    | ♆                    | ♇                    | ♁ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 Mo | 18 ♃ 2407 | 02 ♀ 0426 | 09 ♀ 0831 | 24 ♀ 15 <sub>R</sub> | 02 ♃ 07 <sub>R</sub> | 05 ♃ 23 <sub>D</sub> | 18 ♃ 31 <sub>D</sub> | 15 ♃ 58 <sub>D</sub> | 11 ♃ 09 <sub>D</sub> | 12 ♃ 43 <sub>D</sub> | 25 ♃ 08 <sub>D</sub> | 01 ♃ 04 <sub>D</sub> |   |
| 02 Tu | 19 2500   | 16 1323   | 23 1838   | 24 08                | 01 44                | 06 38                | 19 03                | 16 12                | 11 16                | 12 44                | 25 10                | 01 06                |   |
| 03 We | 20 2551   | 00 ♁ 2354 | 07 ♁ 2851 | 24 04                | 01 10                | 07 53                | 19 35                | 16 26                | 11 23                | 12 45                | 25 12                | 01 08                |   |
| 04 Th | 21 2642   | 14 3315   | 21 3656   | 24 02                | 00 27                | 09 08                | 20 08                | 16 40                | 11 30                | 12 46                | 25 13                | 01 10                |   |
| 05 Fr | 22 2732   | 28 3945   | 05 ♄ 4134 | 24 02 <sub>D</sub>   | 29 ♃ 34              | 10 23                | 20 40                | 16 55                | 11 38                | 12 47                | 25 15                | 01 12                |   |
| 06 Sa | 23 2822   | 12 ♄ 4220 | 19 4156   | 24 03                | 28 34                | 11 39                | 21 13                | 17 09                | 11 45                | 12 48                | 25 17                | 01 14                |   |
| 07 Su | 24 2910   | 26 4018   | 03 ♀ 3717 | 24 03 <sub>R</sub>   | 27 28                | 12 54                | 21 45                | 17 23                | 11 52                | 12 49                | 25 19                | 01 16                |   |
| 08 Mo | 25 2958   | 10 ♀ 3244 | 17 2630   | 24 02                | 26 18                | 14 09                | 22 18                | 17 37                | 11 59                | 12 51                | 25 21                | 01 17                |   |
| 09 Tu | 26 3044   | 24 1819   | 01 ♃ 0758 | 23 58                | 25 07                | 15 24                | 22 51                | 17 51                | 12 06                | 12 52                | 25 23                | 01 19                |   |
| 10 We | 27 3129   | 07 ♃ 5508 | 14 3932   | 23 52                | 23 56                | 16 39                | 23 24                | 18 06                | 12 13                | 12 53                | 25 26                | 01 21                |   |
| 11 Th | 28 3213   | 21 2052   | 27 5850   | 23 42                | 22 46                | 17 54                | 23 57                | 18 20                | 12 20                | 12 55                | 25 28                | 01 23                |   |
| 12 Fr | 29 3256   | 04 ♃ 3311 | 11 ♃ 0341 | 23 31                | 21 41                | 19 10                | 24 31                | 18 34                | 12 27                | 12 56                | 25 30                | 01 25                |   |
| 13 Sa | 00 ♃ 3337 | 17 3012   | 23 5238   | 23 19                | 20 40                | 20 25                | 25 04                | 18 48                | 12 34                | 12 58                | 25 32                | 01 27                |   |
| 14 Su | 01 3417   | 00 ♃ 1059 | 06 ♃ 2518 | 23 06                | 19 46                | 21 40                | 25 38                | 19 02                | 12 40                | 12 59                | 25 34                | 01 28                |   |
| 15 Mo | 02 3455   | 12 3546   | 18 4236   | 22 55                | 18 58                | 22 55                | 26 11                | 19 16                | 12 47                | 13 01                | 25 36                | 01 30                |   |
| 16 Tu | 03 3532   | 24 4608   | 00 ♃ 4646 | 22 47                | 18 18                | 24 10                | 26 45                | 19 30                | 12 54                | 13 02                | 25 38                | 01 32                |   |
| 17 We | 04 3607   | 06 ♃ 4456 | 12 4111   | 22 40                | 17 46                | 25 25                | 27 18                | 19 44                | 13 01                | 13 04                | 25 40                | 01 34                |   |
| 18 Th | 05 3640   | 18 3605   | 24 3015   | 22 37                | 17 21                | 26 40                | 27 52                | 19 58                | 13 08                | 13 06                | 25 42                | 01 35                |   |
| 19 Fr | 06 3711   | 00 ♀ 2420 | 06 ♀ 1902 | 22 35                | 17 04                | 27 55                | 28 26                | 20 12                | 13 15                | 13 07                | 25 45                | 01 37                |   |
| 20 Sa | 07 3741   | 12 1501   | 18 1300   | 22 35 <sub>D</sub>   | 16 55                | 29 10                | 29 00                | 20 26                | 13 21                | 13 09                | 25 47                | 01 39                |   |
| 21 Su | 08 3809   | 24 1340   | 00 ♀ 1742 | 22 35 <sub>R</sub>   | 16 53 <sub>D</sub>   | 00 ♃ 25              | 29 34                | 20 40                | 13 28                | 13 11                | 25 49                | 01 40                |   |
| 22 Mo | 09 3835   | 06 ♀ 2544 | 12 3822   | 22 35                | 16 57                | 01 40                | 00 ♀ 08              | 20 54                | 13 35                | 13 13                | 25 51                | 01 42                |   |
| 23 Tu | 10 3859   | 18 5608   | 25 1928   | 22 32                | 17 08                | 02 55                | 00 43                | 21 08                | 13 41                | 13 15                | 25 53                | 01 44                |   |
| 24 We | 11 3921   | 01 ♁ 4844 | 08 ♁ 2410 | 22 27                | 17 25                | 04 11                | 01 17                | 21 22                | 13 48                | 13 17                | 25 56                | 01 45                |   |
| 25 Th | 12 3941   | 15 0549   | 21 5341   | 22 19                | 17 47                | 05 26                | 01 51                | 21 36                | 13 55                | 13 19                | 25 58                | 01 47                |   |
| 26 Fr | 13 3959   | 28 4730   | 05 ♀ 4656 | 22 09                | 18 15                | 06 41                | 02 26                | 21 49                | 14 01                | 13 21                | 26 00                | 01 49                |   |
| 27 Sa | 14 4016   | 12 ♀ 5126 | 20 0020   | 21 57                | 18 48                | 07 55                | 03 00                | 22 03                | 14 08                | 13 23                | 26 02                | 01 50                |   |
| 28 Su | 15 4031   | 27 1252   | 04 ♀ 2809 | 21 44                | 19 25                | 09 10                | 03 35                | 22 17                | 14 14                | 13 25                | 26 05                | 01 52                |   |
| 01 Mo | 16 4044   | 11 ♀ 4518 | 19 0322   | 21 33                | 20 06                | 10 25                | 04 09                | 22 31                | 14 20                | 13 28                | 26 07                | 01 53                |   |
| 02 Tu | 17 4056   | 26 2129   | 03 ♁ 3851 | 21 24                | 20 51                | 11 40                | 04 44                | 22 44                | 14 27                | 13 30                | 26 09                | 01 55                |   |
| 03 We | 18 4106   | 10 ♁ 5445 | 18 0835   | 21 18                | 21 40                | 12 55                | 05 19                | 22 58                | 14 33                | 13 32                | 26 11                | 01 56                |   |

### Planetary Data

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♀ ♃       |  | 4   | 12:34 PM |
| ☉ ♃       |  | 12  | 10:42 AM |
| ♂ ♃       |  | 20  | 3:52 PM  |
| ♂ ♀       |  | 21  | 6:06 PM  |

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| Stations       |  | Day | Time    |
|----------------|--|-----|---------|
| ♀ <sub>D</sub> |  | 20  | 7:52 PM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♋         |  | 29  | 4:52 PM  |
| ♄         |  | 31  | 8:29 PM  |
| ♅         |  | 2   | 11:20 PM |
| ♆         |  | 5   | 2:16 AM  |
| ♇         |  | 7   | 5:45 AM  |
| ♁         |  | 9   | 10:01 AM |
| ♂         |  | 11  | 3:40 PM  |
| ♃         |  | 13  | 11:39 PM |
| ♄         |  | 16  | 10:27 AM |
| ♅         |  | 18  | 11:11 PM |
| ♆         |  | 21  | 11:26 AM |
| ♇         |  | 23  | 8:40 PM  |
| ♁         |  | 26  | 2:06 AM  |
| ♂         |  | 28  | 4:37 AM  |
| ♃         |  | 2   | 6:00 AM  |

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 31  | 12:08 PM | ♄ ♃         |
|            |  | 2   | 5:50 AM  | ♄ ☉         |
|            |  | 5   | 1:27 AM  | ♄ ♀         |
|            |  | 7   | 1:16 AM  | ♄ ♀         |
|            |  | 9   | 1:55 AM  | ♄ ♃         |
|            |  | 11  | 2:06 PM  | ♄ ☉         |
|            |  | 13  | 3:10 PM  | ♄ ♃         |
|            |  | 15  | 10:40 PM | ♄ ♀         |
|            |  | 18  | 7:48 PM  | ♄ ♀         |
|            |  | 21  | 3:09 AM  | ♄ ♃         |
|            |  | 23  | 1:06 PM  | ♄ ♃         |
|            |  | 25  | 11:41 AM | ♄ ♃         |
|            |  | 27  | 10:06 PM | ♄ ♃         |
|            |  | 1   | 5:58 PM  | ♄ ♃         |

### Phases & Eclipses

| Lunar Phases |  | Day | Time     |
|--------------|--|-----|----------|
| ☽            |  | 4   | 12:37 PM |
| ☉            |  | 11  | 2:06 PM  |
| ☽            |  | 19  | 1:48 PM  |
| ☉            |  | 27  | 3:18 AM  |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# March 2021

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋                | ♀                    | ♊                    | ♂                    | ♄                    | ♃                    | ♅                    | ♆                    | ♇                    | ♁ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 Mo | 16 ♋ 3813 | 11 ♀ 0849 | 18 ♀ 2651 | 21 ♀ 34 <sub>R</sub> | 20 ♃ 05 <sub>D</sub> | 10 ♋ 22 <sub>D</sub> | 04 ♀ 08 <sub>D</sub> | 22 ♃ 30 <sub>D</sub> | 14 ♃ 20 <sub>D</sub> | 13 ♀ 27 <sub>D</sub> | 26 ♋ 07 <sub>D</sub> | 01 ♃ 53 <sub>D</sub> |   |
| 02 Tu | 17 3825   | 25 4500   | 03 ♄ 0227 | 21 24                | 20 50                | 11 37                | 04 42                | 22 44                | 14 27                | 13 30                | 26 09                | 01 55                |   |
| 03 We | 18 3835   | 10 ♄ 1830 | 17 3231   | 21 18                | 21 38                | 12 52                | 05 17                | 22 57                | 14 33                | 13 32                | 26 11                | 01 56                |   |
| 04 Th | 19 3844   | 24 4403   | 01 ♄ 5242 | 21 14                | 22 30                | 14 07                | 05 52                | 23 11                | 14 39                | 13 34                | 26 13                | 01 58                |   |
| 05 Fr | 20 3851   | 08 ♄ 5816 | 16 0035   | 21 13                | 23 25                | 15 22                | 06 27                | 23 24                | 14 46                | 13 37                | 26 16                | 01 59                |   |
| 06 Sa | 21 3856   | 22 5939   | 29 5527   | 21 13                | 24 23                | 16 37                | 07 02                | 23 38                | 14 52                | 13 39                | 26 18                | 02 00                |   |
| 07 Su | 22 3900   | 06 ♀ 4804 | 13 ♀ 3737 | 21 12                | 25 24                | 17 52                | 07 36                | 23 51                | 14 58                | 13 41                | 26 20                | 02 02                |   |
| 08 Mo | 23 3902   | 20 2410   | 27 0750   | 21 10                | 26 27                | 19 07                | 08 11                | 24 04                | 15 04                | 13 44                | 26 23                | 02 03                |   |
| 09 Tu | 24 3903   | 03 ♃ 4842 | 10 ♃ 2649 | 21 06                | 27 33                | 20 22                | 08 46                | 24 18                | 15 10                | 13 46                | 26 25                | 02 05                |   |
| 10 We | 25 3902   | 17 0212   | 23 3452   | 20 59                | 28 41                | 21 37                | 09 22                | 24 31                | 15 16                | 13 49                | 26 27                | 02 06                |   |
| 11 Th | 26 3859   | 00 ♋ 0446 | 06 ♋ 3152 | 20 49                | 29 51                | 22 51                | 09 57                | 24 44                | 15 22                | 13 52                | 26 29                | 02 07                |   |
| 12 Fr | 27 3855   | 12 5605   | 19 1722   | 20 36                | 01 ♋ 03              | 24 06                | 10 32                | 24 57                | 15 28                | 13 54                | 26 32                | 02 09                |   |
| 13 Sa | 28 3848   | 25 3540   | 01 ♃ 5056 | 20 22                | 02 17                | 25 21                | 11 07                | 25 10                | 15 34                | 13 57                | 26 34                | 02 10                |   |
| 14 Su | 29 3840   | 08 ♃ 0310 | 14 1225   | 20 09                | 03 33                | 26 36                | 11 42                | 25 23                | 15 40                | 13 59                | 26 36                | 02 11                |   |
| 15 Mo | 00 ♃ 3830 | 20 1846   | 26 2223   | 19 56                | 04 50                | 27 51                | 12 18                | 25 36                | 15 45                | 14 02                | 26 39                | 02 12                |   |
| 16 Tu | 01 3817   | 02 ♀ 2326 | 08 ♀ 2212 | 19 45                | 06 10                | 29 05                | 12 53                | 25 49                | 15 51                | 14 05                | 26 41                | 02 14                |   |
| 17 We | 02 3803   | 14 1900   | 20 1415   | 19 38                | 07 30                | 00 ♃ 20              | 13 28                | 26 02                | 15 57                | 14 08                | 26 43                | 02 15                |   |
| 18 Th | 03 3746   | 26 0822   | 02 ♀ 0152 | 19 33                | 08 53                | 01 35                | 14 04                | 26 15                | 16 02                | 14 10                | 26 45                | 02 16                |   |
| 19 Fr | 04 3727   | 07 ♀ 5518 | 13 4916   | 19 30                | 10 17                | 02 50                | 14 39                | 26 28                | 16 08                | 14 13                | 26 48                | 02 17                |   |
| 20 Sa | 05 3706   | 19 4424   | 25 4122   | 19 30 <sub>D</sub>   | 11 42                | 04 04                | 15 15                | 26 40                | 16 13                | 14 16                | 26 50                | 02 18                |   |
| 21 Su | 06 3643   | 01 ♀ 4051 | 07 ♀ 4332 | 19 30                | 13 09                | 05 19                | 15 50                | 26 53                | 16 19                | 14 19                | 26 52                | 02 19                |   |
| 22 Mo | 07 3617   | 13 5006   | 20 0115   | 19 30 <sub>R</sub>   | 14 38                | 06 34                | 16 26                | 27 06                | 16 24                | 14 22                | 26 54                | 02 20                |   |
| 23 Tu | 08 3549   | 26 1737   | 02 ♄ 3946 | 19 28                | 16 07                | 07 48                | 17 02                | 27 18                | 16 30                | 14 25                | 26 57                | 02 21                |   |
| 24 We | 09 3519   | 09 ♄ 0813 | 15 4323   | 19 25                | 17 39                | 09 03                | 17 37                | 27 30                | 16 35                | 14 28                | 26 59                | 02 22                |   |
| 25 Th | 10 3446   | 22 2533   | 29 1451   | 19 19                | 19 11                | 10 18                | 18 13                | 27 43                | 16 40                | 14 31                | 27 01                | 02 23                |   |
| 26 Fr | 11 3411   | 06 ♀ 1115 | 13 ♀ 1431 | 19 11                | 20 45                | 11 32                | 18 49                | 27 55                | 16 45                | 14 34                | 27 03                | 02 24                |   |
| 27 Sa | 12 3334   | 20 2416   | 27 3951   | 19 01                | 22 20                | 12 47                | 19 25                | 28 07                | 16 50                | 14 37                | 27 05                | 02 25                |   |
| 28 Su | 13 3255   | 05 ♀ 0029 | 12 ♀ 2513 | 18 50                | 23 57                | 14 01                | 20 00                | 28 19                | 16 55                | 14 40                | 27 08                | 02 26                |   |
| 29 Mo | 14 3214   | 19 5257   | 27 2231   | 18 41                | 25 35                | 15 16                | 20 36                | 28 31                | 17 00                | 14 43                | 27 10                | 02 27                |   |
| 30 Tu | 15 3131   | 04 ♄ 5246 | 12 ♄ 2231 | 18 33                | 27 15                | 16 31                | 21 12                | 28 43                | 17 05                | 14 46                | 27 12                | 02 28                |   |
| 31 We | 16 3045   | 19 5041   | 27 1619   | 18 27                | 28 55                | 17 45                | 21 48                | 28 55                | 17 10                | 14 49                | 27 14                | 02 28                |   |

### Planetary Data

| Ingresses |  | Day | Time    |
|-----------|--|-----|---------|
| ♂ ♋       |  | 11  | 3:04 AM |
| ☉ ♃       |  | 14  | 8:33 AM |
| ♂ ♃       |  | 16  | 5:30 PM |
| ♀ ♃       |  | 31  | 3:13 PM |

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| Stations |  | Day | Time |
|----------|--|-----|------|
| ~ None ~ |  |     |      |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♋         |  | 26  | 3:06 AM  |
| ♄         |  | 28  | 5:37 AM  |
| ♅         |  | 2   | 7:00 AM  |
| ♆         |  | 4   | 8:51 AM  |
| ♁         |  | 6   | 12:07 PM |
| ♂         |  | 8   | 5:08 PM  |
| ♋         |  | 10  | 11:51 PM |
| ♃         |  | 13  | 8:27 AM  |
| ♂         |  | 15  | 7:14 PM  |
| ♀         |  | 18  | 7:52 AM  |
| ♁         |  | 20  | 8:39 PM  |
| ♁         |  | 23  | 7:01 AM  |
| ♋         |  | 25  | 1:19 PM  |
| ♄         |  | 27  | 3:49 PM  |
| ♅         |  | 29  | 4:12 PM  |
| ♆         |  | 31  | 4:26 PM  |

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 27  | 11:06 PM | ♂ ♆         |
|            |  | 1   | 6:58 PM  | ♄ ♃         |
|            |  | 4   | 2:30 AM  | ♄ ♆         |
|            |  | 6   | 5:44 AM  | ♄ ♆         |
|            |  | 8   | 10:41 AM | ♂ ♆         |
|            |  | 10  | 11:31 PM | ♂ ♆         |
|            |  | 13  | 6:22 AM  | ♂ ☉         |
|            |  | 15  | 10:41 AM | ♂ ♃         |
|            |  | 18  | 1:16 AM  | ♂ ♆         |
|            |  | 20  | 2:21 PM  | ♄ ♆         |
|            |  | 23  | 1:15 AM  | ♄ ♆         |
|            |  | 25  | 9:28 AM  | ♂ ♃         |
|            |  | 27  | 11:05 AM | ♂ ♆         |
|            |  | 29  | 2:01 PM  | ♄ ♃         |
|            |  | 31  | 2:51 PM  | ♄ ♃         |

### Phases & Eclipses

| Lunar Phases |  | Day | Time     |
|--------------|--|-----|----------|
| ☾            |  | 5   | 9:30 PM  |
| ☀            |  | 13  | 6:22 AM  |
| ☾            |  | 21  | 10:41 AM |
| ☀            |  | 28  | 2:48 PM  |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# April 2021

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♋                | ♀                    | ♊                    | ♈                    | ♉                    | ♊                    | ♋                    | ♌                    | ♍                    | ♎ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 Th | 17 ♀ 2958 | 04 ♎ 3836 | 11 ♎ 5651 | 18 ♂ 24 <sub>R</sub> | 00 ♀ 38 <sub>D</sub> | 19 ♀ 00 <sub>D</sub> | 22 ♂ 24 <sub>D</sub> | 29 ♃ 07 <sub>D</sub> | 17 ♃ 14 <sub>D</sub> | 14 ♃ 52 <sub>D</sub> | 27 ♃ 16 <sub>D</sub> | 02 ♃ 29 <sub>D</sub> |   |
| 02 Fr | 18 2909   | 19 1036   | 26 1930   | 18 24 <sub>D</sub>   | 02 21                | 20 14                | 23 00                | 29 18                | 17 19                | 14 55                | 27 19                | 02 30                |   |
| 03 Sa | 19 2819   | 03 ♀ 2323 | 10 ♀ 2211 | 18 24                | 04 06                | 21 29                | 23 36                | 29 30                | 17 23                | 14 59                | 27 21                | 02 31                |   |
| 04 Su | 20 2726   | 17 1557   | 24 0448   | 18 25                | 05 52                | 22 43                | 24 11                | 29 42                | 17 28                | 15 02                | 27 23                | 02 31                |   |
| 05 Mo | 21 2632   | 00 ♃ 4858 | 07 ♃ 2838 | 18 24 <sub>R</sub>   | 07 40                | 23 57                | 24 47                | 29 53                | 17 32                | 15 05                | 27 25                | 02 32                |   |
| 06 Tu | 22 2536   | 14 0405   | 20 3534   | 18 22                | 09 30                | 25 12                | 25 23                | 00 ♃ 04              | 17 37                | 15 08                | 27 27                | 02 33                |   |
| 07 We | 23 2439   | 27 0320   | 03 ♃ 2737 | 18 18                | 11 20                | 26 26                | 26 00                | 00 16                | 17 41                | 15 12                | 27 29                | 02 33                |   |
| 08 Th | 24 2339   | 09 ♃ 4840 | 16 0639   | 18 11                | 13 12                | 27 41                | 26 36                | 00 27                | 17 45                | 15 15                | 27 31                | 02 34                |   |
| 09 Fr | 25 2238   | 22 2146   | 28 3410   | 18 02                | 15 06                | 28 55                | 27 12                | 00 38                | 17 49                | 15 18                | 27 33                | 02 34                |   |
| 10 Sa | 26 2135   | 04 ♀ 4400 | 10 ♀ 5124 | 17 53                | 17 01                | 00 ♃ 09              | 27 48                | 00 49                | 17 53                | 15 21                | 27 35                | 02 35                |   |
| 11 Su | 27 2030   | 16 5630   | 22 5926   | 17 43                | 18 58                | 01 24                | 28 24                | 01 00                | 17 57                | 15 25                | 27 37                | 02 35                |   |
| 12 Mo | 28 1923   | 29 0022   | 04 ♃ 5927 | 17 34                | 20 55                | 02 38                | 29 00                | 01 10                | 18 01                | 15 28                | 27 40                | 02 36                |   |
| 13 Tu | 29 1814   | 10 ♃ 5653 | 16 5253   | 17 26                | 22 55                | 03 52                | 29 36                | 01 21                | 18 05                | 15 31                | 27 42                | 02 36                |   |
| 14 We | 00 ♃ 1703 | 22 4742   | 28 4139   | 17 21                | 24 55                | 05 07                | 00 ♃ 12              | 01 32                | 18 08                | 15 35                | 27 44                | 02 37                |   |
| 15 Th | 01 1549   | 04 ♂ 3504 | 10 ♂ 2818 | 17 18                | 26 57                | 06 21                | 00 49                | 01 42                | 18 12                | 15 38                | 27 45                | 02 37                |   |
| 16 Fr | 02 1434   | 16 2149   | 22 1603   | 17 17                | 29 01                | 07 35                | 01 25                | 01 52                | 18 16                | 15 42                | 27 47                | 02 38                |   |
| 17 Sa | 03 1317   | 28 1132   | 04 ♃ 0847 | 17 18 <sub>D</sub>   | 01 ♃ 05              | 08 49                | 02 01                | 02 03                | 18 19                | 15 45                | 27 49                | 02 38                |   |
| 18 Su | 04 1157   | 10 ♃ 0823 | 16 1056   | 17 19                | 03 10                | 10 04                | 02 38                | 02 13                | 18 22                | 15 48                | 27 51                | 02 38                |   |
| 19 Mo | 05 1035   | 22 1704   | 28 2722   | 17 21                | 05 17                | 11 18                | 03 14                | 02 23                | 18 26                | 15 52                | 27 53                | 02 38                |   |
| 20 Tu | 06 0911   | 04 ♃ 4229 | 11 ♃ 0259 | 17 21                | 07 24                | 12 32                | 03 50                | 02 33                | 18 29                | 15 55                | 27 55                | 02 39                |   |
| 21 We | 07 0745   | 17 2925   | 24 0217   | 17 21 <sub>R</sub>   | 09 31                | 13 46                | 04 26                | 02 42                | 18 32                | 15 59                | 27 57                | 02 39                |   |
| 22 Th | 08 0617   | 00 ♀ 4158 | 07 ♀ 2846 | 17 19                | 11 39                | 15 00                | 05 03                | 02 52                | 18 35                | 16 02                | 27 59                | 02 39                |   |
| 23 Fr | 09 0446   | 14 2250   | 21 2408   | 17 15                | 13 47                | 16 14                | 05 39                | 03 02                | 18 38                | 16 05                | 28 01                | 02 39                |   |
| 24 Sa | 10 0313   | 28 3229   | 05 ♃ 4730 | 17 10                | 15 55                | 17 28                | 06 16                | 03 11                | 18 41                | 16 09                | 28 03                | 02 39                |   |
| 25 Su | 11 0138   | 13 ♃ 0835 | 20 3457   | 17 04                | 18 02                | 18 42                | 06 52                | 03 20                | 18 43                | 16 12                | 28 04                | 02 39                |   |
| 26 Mo | 12 0002   | 28 0537   | 05 ♃ 3929 | 16 59                | 20 09                | 19 56                | 07 28                | 03 30                | 18 46                | 16 16                | 28 06                | 02 39                |   |
| 27 Tu | 12 5823   | 13 ♃ 1520 | 20 5154   | 16 55                | 22 14                | 21 10                | 08 05                | 03 39                | 18 49                | 16 19                | 28 08                | 02 39                |   |
| 28 We | 13 5642   | 28 2754   | 06 ♎ 0209 | 16 53                | 24 18                | 22 24                | 08 41                | 03 48                | 18 51                | 16 23                | 28 10                | 02 39 <sub>R</sub>   |   |
| 29 Th | 14 5500   | 13 ♎ 3331 | 21 0101   | 16 51                | 26 20                | 23 38                | 09 18                | 03 56                | 18 53                | 16 26                | 28 11                | 02 39                |   |
| 30 Fr | 15 5316   | 28 2350   | 05 ♀ 4120 | 16 52 <sub>D</sub>   | 28 21                | 24 52                | 09 54                | 04 05                | 18 56                | 16 30                | 28 13                | 02 39                |   |
| 01 Sa | 16 5131   | 12 ♀ 5302 | 19 5839   | 16 53                | 00 ♂ 19              | 26 06                | 10 31                | 04 14                | 18 58                | 16 33                | 28 15                | 02 39                |   |

### Planetary Data

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♀ ♀       | ♂ | 31  | 3:13 PM  |
| ♂ ♃       | ♃ | 5   | 2:54 PM  |
| ♂ ♃       | ♃ | 9   | 8:59 PM  |
| ♂ ♃       | ♃ | 13  | 3:43 PM  |
| ♂ ♃       | ♃ | 13  | 5:02 PM  |
| ♂ ♃       | ♃ | 16  | 11:28 AM |
| ♂ ♃       | ♃ | 30  | 8:11 PM  |

  

| Stations       |  | Day | Time    |
|----------------|--|-----|---------|
| ♂ <sub>R</sub> |  | 27  | 3:54 PM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♂         |  | 29  | 4:12 PM  |
| ♂         |  | 31  | 4:26 PM  |
| ♂         |  | 2   | 6:14 PM  |
| ♂         |  | 4   | 10:33 PM |
| ♂         |  | 7   | 5:31 AM  |
| ♂         |  | 9   | 2:47 PM  |
| ♂         |  | 12  | 2:00 AM  |
| ♂         |  | 14  | 2:40 PM  |
| ♂         |  | 17  | 3:40 AM  |
| ♂         |  | 19  | 2:59 PM  |
| ♂         |  | 21  | 10:45 PM |
| ♂         |  | 24  | 2:26 AM  |
| ♂         |  | 26  | 3:01 AM  |
| ♂         |  | 28  | 2:26 AM  |
| ♂         |  | 30  | 2:37 AM  |

  

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 31  | 2:51 PM  | ♂ ♃         |
|            |  | 2   | 5:17 PM  | ♂ ♃         |
|            |  | 4   | 5:55 PM  | ♂ ♃         |
|            |  | 6   | 10:44 PM | ♂ ♃         |
|            |  | 9   | 10:04 AM | ♂ ♃         |
|            |  | 12  | 12:00 AM | ♂ ♃         |
|            |  | 14  | 10:04 AM | ♂ ♃         |
|            |  | 16  | 11:16 PM | ♂ ♃         |
|            |  | 19  | 10:56 AM | ♂ ♃         |
|            |  | 21  | 1:56 AM  | ♂ ♃         |
|            |  | 23  | 11:09 PM | ♂ ♃         |
|            |  | 25  | 9:03 AM  | ♂ ♃         |
|            |  | 27  | 11:31 PM | ♂ ♃         |
|            |  | 29  | 11:42 PM | ♂ ♃         |

### Phases & Eclipses

| Lunar Phases |   | Day | Time     |
|--------------|---|-----|----------|
|              | ☾ | 4   | 6:02 AM  |
|              | ☀ | 11  | 10:31 PM |
|              | ☽ | 20  | 2:59 AM  |
|              | ☽ | 26  | 11:31 PM |

  

| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

  

| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# May 2021

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉        | ☽        | +12 Hr   | True♋    | ♀        | ♋        | ♌        | ♍        | ♎        | ♏        | ♐        | ♑        | ♒ | ♓ |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|
| 01 Sa | 16 51:31 | 12 53:02 | 19 58:39 | 16 53:03 | 00 19:00 | 26 06:00 | 10 31:00 | 04 14:00 | 18 58:00 | 16 33:00 | 28 15:00 | 02 39:00 |   |   |
| 02 Su | 17 49:44 | 26 58:02 | 03 51:11 | 16 54:00 | 02 14:00 | 27 20:00 | 11 07:00 | 04 22:00 | 19 00:00 | 16 36:00 | 28 16:00 | 02 39:00 |   |   |
| 03 Mo | 18 47:55 | 10 38:14 | 17 19:22 | 16 56:00 | 04 07:00 | 28 34:00 | 11 43:00 | 04 30:00 | 19 02:00 | 16 40:00 | 28 18:00 | 02 39:00 |   |   |
| 04 Tu | 19 46:05 | 23 54:52 | 00 25:05 | 16 56:00 | 05 56:00 | 29 48:00 | 12 20:00 | 04 39:00 | 19 04:00 | 16 43:00 | 28 19:00 | 02 39:00 |   |   |
| 05 We | 20 44:14 | 06 50:23 | 13 11:09 | 16 55:00 | 07 43:00 | 01 02:00 | 12 57:00 | 04 47:00 | 19 06:00 | 16 47:00 | 28 21:00 | 02 39:00 |   |   |
| 06 Th | 21 42:21 | 19 27:46 | 25 40:39 | 16 53:00 | 09 26:00 | 02 16:00 | 13 33:00 | 04 54:00 | 19 07:00 | 16 50:00 | 28 23:00 | 02 38:00 |   |   |
| 07 Fr | 22 40:27 | 01 50:11 | 07 56:44 | 16 49:00 | 11 06:00 | 03 29:00 | 14 10:00 | 05 02:00 | 19 09:00 | 16 54:00 | 28 24:00 | 02 38:00 |   |   |
| 08 Sa | 23 38:31 | 14 00:40 | 20 02:17 | 16 46:00 | 12 42:00 | 04 43:00 | 14 46:00 | 05 10:00 | 19 11:00 | 16 57:00 | 28 26:00 | 02 38:00 |   |   |
| 09 Su | 24 36:34 | 26 01:56 | 01 59:54 | 16 42:00 | 14 14:00 | 05 57:00 | 15 23:00 | 05 17:00 | 19 12:00 | 17 01:00 | 28 27:00 | 02 38:00 |   |   |
| 10 Mo | 25 34:36 | 07 56:29 | 13 51:56 | 16 39:00 | 15 43:00 | 07 11:00 | 15 59:00 | 05 25:00 | 19 13:00 | 17 04:00 | 28 28:00 | 02 37:00 |   |   |
| 11 Tu | 26 32:36 | 19 46:32 | 25 40:32 | 16 36:00 | 17 08:00 | 08 25:00 | 16 36:00 | 05 32:00 | 19 15:00 | 17 07:00 | 28 30:00 | 02 37:00 |   |   |
| 12 We | 27 30:34 | 01 34:12 | 07 27:49 | 16 34:00 | 18 29:00 | 09 38:00 | 17 13:00 | 05 39:00 | 19 16:00 | 17 11:00 | 28 31:00 | 02 37:00 |   |   |
| 13 Th | 28 28:31 | 13 21:39 | 19 16:01 | 16 34:00 | 19 46:00 | 10 52:00 | 17 49:00 | 05 46:00 | 19 17:00 | 17 14:00 | 28 33:00 | 02 36:00 |   |   |
| 14 Fr | 29 26:26 | 25 11:13 | 01 07:36 | 16 34:00 | 20 59:00 | 12 06:00 | 18 26:00 | 05 52:00 | 19 18:00 | 17 18:00 | 28 34:00 | 02 36:00 |   |   |
| 15 Sa | 00 24:19 | 07 05:32 | 13 05:23 | 16 35:00 | 22 08:00 | 13 19:00 | 19 03:00 | 05 59:00 | 19 19:00 | 17 21:00 | 28 35:00 | 02 35:00 |   |   |
| 16 Su | 01 22:11 | 19 07:35 | 25 12:34 | 16 36:00 | 23 13:00 | 14 33:00 | 19 39:00 | 06 05:00 | 19 19:00 | 17 24:00 | 28 37:00 | 02 35:00 |   |   |
| 17 Mo | 02 20:02 | 01 20:47 | 07 32:41 | 16 37:00 | 24 14:00 | 15 47:00 | 20 16:00 | 06 12:00 | 19 20:00 | 17 28:00 | 28 38:00 | 02 34:00 |   |   |
| 18 Tu | 03 17:50 | 13 48:45 | 20 09:28 | 16 38:00 | 25 10:00 | 17 00:00 | 20 53:00 | 06 18:00 | 19 21:00 | 17 31:00 | 28 39:00 | 02 34:00 |   |   |
| 19 We | 04 15:37 | 26 35:16 | 03 06:36 | 16 39:00 | 26 03:00 | 18 14:00 | 21 29:00 | 06 24:00 | 19 21:00 | 17 35:00 | 28 40:00 | 02 33:00 |   |   |
| 20 Th | 05 13:22 | 09 43:49 | 16 27:15 | 16 39:00 | 26 50:00 | 19 28:00 | 22 06:00 | 06 30:00 | 19 21:00 | 17 38:00 | 28 41:00 | 02 32:00 |   |   |
| 21 Fr | 06 11:06 | 23 17:06 | 00 13:31 | 16 38:00 | 27 34:00 | 20 41:00 | 22 43:00 | 06 35:00 | 19 22:00 | 17 41:00 | 28 43:00 | 02 32:00 |   |   |
| 22 Sa | 07 08:48 | 07 16:28 | 14 25:48 | 16 38:00 | 28 12:00 | 21 55:00 | 23 19:00 | 06 41:00 | 19 22:00 | 17 45:00 | 28 44:00 | 02 31:00 |   |   |
| 23 Su | 08 06:28 | 21 41:12 | 29 02:10 | 16 37:00 | 28 46:00 | 23 08:00 | 23 56:00 | 06 46:00 | 19 22:00 | 17 48:00 | 28 45:00 | 02 30:00 |   |   |
| 24 Mo | 09 04:07 | 06 28:03 | 13 58:00 | 16 36:00 | 29 16:00 | 24 22:00 | 24 33:00 | 06 51:00 | 19 22:00 | 17 51:00 | 28 46:00 | 02 30:00 |   |   |
| 25 Tu | 10 01:45 | 21 31:04 | 29 06:09 | 16 35:00 | 29 41:00 | 25 35:00 | 25 10:00 | 06 56:00 | 19 22:00 | 17 54:00 | 28 47:00 | 02 29:00 |   |   |
| 26 We | 10 59:21 | 06 42:06 | 14 17:41 | 16 35:00 | 00 01:00 | 26 49:00 | 25 46:00 | 07 01:00 | 19 22:00 | 17 58:00 | 28 48:00 | 02 28:00 |   |   |
| 27 Th | 11 56:56 | 21 51:45 | 29 23:08 | 16 35:00 | 00 16:00 | 28 02:00 | 26 23:00 | 07 05:00 | 19 21:00 | 18 01:00 | 28 49:00 | 02 27:00 |   |   |
| 28 Fr | 12 54:29 | 06 50:48 | 14 13:51 | 16 35:00 | 00 27:00 | 29 16:00 | 27 00:00 | 07 10:00 | 19 21:00 | 18 04:00 | 28 50:00 | 02 27:00 |   |   |
| 29 Sa | 13 52:02 | 21 31:30 | 28 43:10 | 16 35:00 | 00 33:00 | 00 29:00 | 27 37:00 | 07 14:00 | 19 20:00 | 18 07:00 | 28 51:00 | 02 26:00 |   |   |
| 30 Su | 14 49:34 | 05 48:26 | 12 47:03 | 16 35:00 | 00 34:00 | 01 42:00 | 28 14:00 | 07 18:00 | 19 20:00 | 18 11:00 | 28 51:00 | 02 25:00 |   |   |
| 31 Mo | 15 47:05 | 19 38:55 | 26 24:04 | 16 35:00 | 00 31:00 | 02 56:00 | 28 50:00 | 07 22:00 | 19 19:00 | 18 14:00 | 28 52:00 | 02 24:00 |   |   |

### Planetary Data

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♋         | ♌ | 30  | 8:11 PM  |
| ♌         | ♍ | 4   | 3:56 AM  |
| ☉         | ♌ | 14  | 1:54 PM  |
| ♋         | ♌ | 25  | 11:00 PM |
| ♋         | ♌ | 28  | 2:30 PM  |

  

| Stations |   | Day | Time    |
|----------|---|-----|---------|
| ♋        | ♌ | 23  | 5:37 AM |
| ♋        | ♌ | 29  | 6:33 PM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♌         |  | 28  | 2:26 AM  |
| ♌         |  | 30  | 2:37 AM  |
| ♌         |  | 2   | 5:16 AM  |
| ♌         |  | 4   | 11:13 AM |
| ♌         |  | 6   | 8:25 PM  |
| ♌         |  | 9   | 7:59 AM  |
| ♌         |  | 11  | 8:49 PM  |
| ♌         |  | 14  | 9:44 AM  |
| ♌         |  | 16  | 9:23 PM  |
| ♌         |  | 19  | 6:17 AM  |
| ♌         |  | 21  | 11:37 AM |
| ♌         |  | 23  | 1:33 PM  |
| ♌         |  | 25  | 1:26 PM  |
| ♌         |  | 27  | 1:00 PM  |
| ♌         |  | 29  | 2:09 PM  |
| ♌         |  | 31  | 6:28 PM  |

  

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 29  | 11:42 PM | ☐ ♃         |
|            |  | 2   | 2:15 AM  | ✕ ♃         |
|            |  | 3   | 3:50 PM  | ☐ ☉         |
|            |  | 6   | 5:17 PM  | ♋ ♃         |
|            |  | 8   | 10:19 AM | ✕ ♃         |
|            |  | 11  | 5:47 PM  | ✕ ♃         |
|            |  | 14  | 6:51 AM  | ☐ ♃         |
|            |  | 16  | 6:42 PM  | △ ♃         |
|            |  | 18  | 10:56 PM | ✕ ♃         |
|            |  | 21  | 9:25 AM  | ♋ ♃         |
|            |  | 23  | 12:00 PM | △ ♃         |
|            |  | 25  | 11:31 AM | △ ♃         |
|            |  | 27  | 11:06 AM | ☐ ♃         |
|            |  | 29  | 12:14 PM | ✕ ♃         |
|            |  | 30  | 11:26 PM | ♋ ♃         |

### Phases & Eclipses

| Lunar Phases |   | Day | Time    |
|--------------|---|-----|---------|
|              | ☾ | 3   | 3:50 PM |
|              | ☀ | 11  | 3:00 PM |
|              | ☾ | 19  | 3:13 PM |
|              | ☽ | 26  | 7:14 AM |

  

| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

  

| Lunar Eclipses |       | Day | Time    |
|----------------|-------|-----|---------|
|                | T .2f | 26  | 7:19 AM |

# June 2021

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉        | ☽        | +12 Hr   | True♋               | ♀                   | ♊                   | ♍                   | ♎                   | ♏                   | ♐                   | ♑                   | ♒                   | ♓ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|-------|----------|----------|----------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 Tu | 16♋ 4435 | 03♎ 0242 | 09♎ 3505 | 16♋ 35 <sub>R</sub> | 00♈ 23 <sub>R</sub> | 04♈ 09 <sub>D</sub> | 29♈ 27 <sub>D</sub> | 07♎ 26 <sub>D</sub> | 19♊ 18 <sub>R</sub> | 18♈ 17 <sub>D</sub> | 28♎ 53 <sub>D</sub> | 02♊ 23 <sub>R</sub> |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 02 We | 17 4204  | 16 0135  | 22 2236  | 16 35               | 00 11               | 05 22               | 00♉ 04              | 07 29               | 19 17               | 18 20               | 28 54               | 02 22               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 03 Th | 18 3933  | 28 3837  | 04♋ 5008 | 16 35 <sub>D</sub>  | 29♋ 55              | 06 36               | 00 41               | 07 33               | 19 16               | 18 23               | 28 55               | 02 21               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 04 Fr | 19 3701  | 10♋ 5741 | 17 0146  | 16 36               | 29 35               | 07 49               | 01 18               | 07 36               | 19 15               | 18 26               | 28 55               | 02 20               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 05 Sa | 20 3428  | 23 0255  | 29 0138  | 16 36               | 29 12               | 09 02               | 01 55               | 07 39               | 19 14               | 18 29               | 28 56               | 02 20               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 06 Su | 21 3154  | 04♈ 5825 | 10♈ 5343 | 16 36               | 28 46               | 10 16               | 02 32               | 07 42               | 19 13               | 18 32               | 28 57               | 02 19               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 07 Mo | 22 2920  | 16 4759  | 22 4138  | 16 37               | 28 18               | 11 29               | 03 08               | 07 45               | 19 11               | 18 35               | 28 57               | 02 17               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 08 Tu | 23 2645  | 28 3504  | 04♋ 2839 | 16 38               | 27 47               | 12 42               | 03 45               | 07 47               | 19 10               | 18 38               | 28 58               | 02 16               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 09 We | 24 2409  | 10♋ 2241 | 16 1732  | 16 38               | 27 15               | 13 55               | 04 22               | 07 49               | 19 08               | 18 41               | 28 58               | 02 15               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 10 Th | 25 2133  | 22 1327  | 28 1045  | 16 38 <sub>R</sub>  | 26 42               | 15 09               | 04 59               | 07 51               | 19 07               | 18 44               | 28 59               | 02 14               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 11 Fr | 26 1855  | 04♈ 0939 | 10♈ 1027 | 16 37               | 26 08               | 16 22               | 05 36               | 07 53               | 19 05               | 18 47               | 28 59               | 02 13               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 12 Sa | 27 1617  | 16 1321  | 22 1837  | 16 37               | 25 35               | 17 35               | 06 13               | 07 55               | 19 03               | 18 50               | 29 00               | 02 12               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 13 Su | 28 1339  | 28 2630  | 04♉ 3714 | 16 35               | 25 02               | 18 48               | 06 50               | 07 57               | 19 01               | 18 53               | 29 00               | 02 11               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 14 Mo | 29 1059  | 10♉ 5103 | 17 0813  | 16 33               | 24 31               | 20 01               | 07 27               | 07 58               | 18 59               | 18 56               | 29 01               | 02 10               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 15 Tu | 00♈ 0819 | 23 2900  | 29 5338  | 16 32               | 24 01               | 21 14               | 08 04               | 07 59               | 18 57               | 18 58               | 29 01               | 02 09               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 16 We | 01 0537  | 06♊ 2224 | 12♊ 5531 | 16 30               | 23 33               | 22 27               | 08 41               | 08 00               | 18 55               | 19 01               | 29 01               | 02 08               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 17 Th | 02 0255  | 19 3315  | 26 1547  | 16 29               | 23 09               | 23 40               | 09 18               | 08 01               | 18 53               | 19 04               | 29 02               | 02 06               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 18 Fr | 03 0012  | 03♈ 0317 | 09♈ 5553 | 16 29 <sub>D</sub>  | 22 47               | 24 53               | 09 55               | 08 01               | 18 50               | 19 07               | 29 02               | 02 05               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 19 Sa | 03 5728  | 16 5337  | 23 5628  | 16 29               | 22 29               | 26 06               | 10 32               | 08 02               | 18 48               | 19 09               | 29 02               | 02 04               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 20 Su | 04 5443  | 01♈ 0418 | 08♈ 1653 | 16 30               | 22 15               | 27 19               | 11 09               | 08 02               | 18 46               | 19 12               | 29 02               | 02 03               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 21 Mo | 05 5158  | 15 3352  | 22 5444  | 16 31               | 22 05               | 28 32               | 11 46               | 08 02 <sub>R</sub>  | 18 43               | 19 15               | 29 02               | 02 01               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 22 Tu | 06 4912  | 00♈ 1854 | 07♈ 4536 | 16 32               | 22 00               | 29 45               | 12 23               | 08 02               | 18 40               | 19 17               | 29 03               | 02 00               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 23 We | 07 4625  | 15 1400  | 22 4308  | 16 33               | 21 59 <sub>D</sub>  | 00♉ 58              | 13 00               | 08 01               | 18 38               | 19 20               | 29 03               | 01 59               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 24 Th | 08 4338  | 00♊ 1202 | 07♊ 3938 | 16 32 <sub>R</sub>  | 22 02               | 02 11               | 13 38               | 08 01               | 18 35               | 19 22               | 29 03               | 01 58               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 25 Fr | 09 4050  | 15 0456  | 22 2656  | 16 31               | 22 10               | 03 24               | 14 15               | 08 00               | 18 32               | 19 25               | 29 03               | 01 56               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 26 Sa | 10 3802  | 29 4445  | 06♊ 5736 | 16 28               | 22 23               | 04 37               | 14 52               | 07 59               | 18 29               | 19 27               | 29 03 <sub>R</sub>  | 01 55               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 27 Su | 11 3514  | 14♊ 0450 | 21 0558  | 16 25               | 22 41               | 05 49               | 15 29               | 07 58               | 18 26               | 19 30               | 29 03               | 01 54               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 28 Mo | 12 3226  | 28 0039  | 04♎ 4843 | 16 21               | 23 03               | 07 02               | 16 06               | 07 56               | 18 23               | 19 32               | 29 03               | 01 52               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 29 Tu | 13 2937  | 11♎ 3009 | 18 0504  | 16 18               | 23 31               | 08 15               | 16 43               | 07 55               | 18 19               | 19 34               | 29 03               | 01 51               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 30 We | 14 2649  | 24 3343  | 00♋ 5625 | 16 15               | 24 03               | 09 28               | 17 20               | 07 53               | 18 16               | 19 37               | 29 02               | 01 50               |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 01 Th | 15 2401  | 07♋ 1337 | 13 2550  | 16 14               | 24 39               | 10 40               | 17 57               | 07 51               | 18 13               | 19 39               | 29 02               | 01 48               |   |   |   |   |   |   |   |   |   |   |   |   |   |

### Planetary Data

| Ingresses |   | Day | Time    |
|-----------|---|-----|---------|
| ♍         | ♉ | 1   | 9:21 PM |
| ♊         | ♈ | 2   | 5:03 PM |
| ☉         | ♈ | 14  | 8:31 PM |
| ♋         | ♉ | 22  | 4:51 AM |

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| Stations       |  | Day | Time     |
|----------------|--|-----|----------|
| ♎ <sub>R</sub> |  | 20  | 11:07 AM |
| ♋ <sub>D</sub> |  | 22  | 6:01 PM  |
| ♋ <sub>R</sub> |  | 25  | 1:08 PM  |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♊         |  | 29  | 2:09 PM  |
| ♎         |  | 31  | 6:28 PM  |
| ♋         |  | 3   | 2:38 AM  |
| ♈         |  | 5   | 1:58 PM  |
| ♈         |  | 8   | 2:53 AM  |
| ♈         |  | 10  | 3:39 PM  |
| ♉         |  | 13  | 3:03 AM  |
| ♊         |  | 15  | 12:12 PM |
| ♈         |  | 17  | 6:38 PM  |
| ♈         |  | 19  | 10:12 PM |
| ♈         |  | 21  | 11:30 PM |
| ♈         |  | 23  | 11:40 PM |
| ♊         |  | 26  | 12:26 AM |
| ♎         |  | 28  | 3:30 AM  |
| ♋         |  | 30  | 10:14 AM |

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 30  | 11:26 PM | ♋ ♈         |
|            |  | 3   | 2:24 AM  | ♈ ♋         |
|            |  | 5   | 11:57 AM | ♋ ♈         |
|            |  | 8   | 12:47 AM | ♋ ♈         |
|            |  | 10  | 1:38 PM  | ♈ ♋         |
|            |  | 13  | 1:05 AM  | ♈ ♋         |
|            |  | 15  | 12:57 AM | ♋ ♈         |
|            |  | 17  | 4:55 PM  | ♈ ♋         |
|            |  | 19  | 5:07 PM  | ♈ ♋         |
|            |  | 21  | 11:01 PM | ♈ ♋         |
|            |  | 23  | 10:09 PM | ♈ ♋         |
|            |  | 25  | 10:51 PM | ♋ ♈         |
|            |  | 27  | 3:07 PM  | ♈ ♋         |
|            |  | 30  | 8:24 AM  | ♋ ♈         |

### Phases & Eclipses

| Lunar Phases |  | Day | Time     |
|--------------|--|-----|----------|
| ☾            |  | 2   | 3:25 AM  |
| ☀            |  | 10  | 6:53 AM  |
| ☾            |  | 17  | 11:55 PM |
| ☀            |  | 24  | 2:39 PM  |
| ☾            |  | 1   | 5:11 PM  |

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| Solar Eclipses |  | Day | Time           |
|----------------|--|-----|----------------|
| ☀              |  | 10  | 6:42 AM A 3'51 |

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| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# July 2021

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉          | ☽          | +12 Hr     | True♊                | ♋                    | ♌                    | ♍                    | ♎                    | ♏                    | ♐                    | ♑                    | ♒                    | ♓ |
|-------|------------|------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|
| 01 Th | 15 II 2401 | 07 ♀ 1337  | 13 ♀ 2550  | 16 ♂ 14 <sub>R</sub> | 24 ♂ 39 <sub>D</sub> | 10 ♄ 40 <sub>D</sub> | 17 ♄ 57 <sub>D</sub> | 07 ♃ 51 <sub>R</sub> | 18 ♃ 13 <sub>R</sub> | 19 ♀ 39 <sub>D</sub> | 29 ♃ 02 <sub>R</sub> | 01 ♃ 48 <sub>R</sub> |   |
| 02 Fr | 16 2113    | 19 3336    | 25 3730    | 16 14 <sub>D</sub>   | 25 21                | 11 53                | 18 35                | 07 49                | 18 10                | 19 41                | 29 02                | 01 47                |   |
| 03 Sa | 17 1826    | 01 ♀ 3810  | 07 ♀ 3611  | 16 15                | 26 07                | 13 06                | 19 12                | 07 47                | 18 06                | 19 44                | 29 02                | 01 45                |   |
| 04 Su | 18 1538    | 13 3211    | 19 2646    | 16 16                | 26 57                | 14 18                | 19 49                | 07 44                | 18 03                | 19 46                | 29 02                | 01 44                |   |
| 05 Mo | 19 1251    | 25 2031    | 01 ♂ 1359  | 16 18                | 27 52                | 15 31                | 20 26                | 07 42                | 17 59                | 19 48                | 29 01                | 01 43                |   |
| 06 Tu | 20 1004    | 07 ♂ 0743  | 13 0211    | 16 19                | 28 52                | 16 44                | 21 04                | 07 39                | 17 55                | 19 50                | 29 01                | 01 41                |   |
| 07 We | 21 0717    | 18 5751    | 24 5507    | 16 19 <sub>R</sub>   | 29 55                | 17 56                | 21 41                | 07 36                | 17 52                | 19 52                | 29 01                | 01 40                |   |
| 08 Th | 22 0430    | 00 II 5421 | 06 II 5553 | 16 18                | 01 II 03             | 19 09                | 22 18                | 07 33                | 17 48                | 19 54                | 29 00                | 01 38                |   |
| 09 Fr | 23 0144    | 12 5959    | 19 0651    | 16 16                | 02 16                | 20 21                | 22 55                | 07 29                | 17 44                | 19 56                | 29 00                | 01 37                |   |
| 10 Sa | 23 5857    | 25 1642    | 01 ♄ 2940  | 16 11                | 03 32                | 21 34                | 23 33                | 07 26                | 17 40                | 19 58                | 28 59                | 01 36                |   |
| 11 Su | 24 5611    | 07 ♄ 4551  | 14 0518    | 16 05                | 04 53                | 22 46                | 24 10                | 07 22                | 17 36                | 20 00                | 28 59                | 01 34                |   |
| 12 Mo | 25 5325    | 20 2804    | 26 5412    | 15 59                | 06 17                | 23 59                | 24 47                | 07 18                | 17 32                | 20 02                | 28 58                | 01 33                |   |
| 13 Tu | 26 5039    | 03 ♀ 2339  | 09 ♀ 5628  | 15 52                | 07 46                | 25 11                | 25 25                | 07 14                | 17 28                | 20 03                | 28 58                | 01 31                |   |
| 14 We | 27 4754    | 16 3236    | 23 1203    | 15 46                | 09 19                | 26 23                | 26 02                | 07 09                | 17 24                | 20 05                | 28 57                | 01 30                |   |
| 15 Th | 28 4508    | 29 5449    | 06 ♃ 4054  | 15 41                | 10 55                | 27 36                | 26 40                | 07 05                | 17 20                | 20 07                | 28 57                | 01 28                |   |
| 16 Fr | 29 4222    | 13 ♃ 3018  | 20 2259    | 15 38                | 12 35                | 28 48                | 27 17                | 07 00                | 17 16                | 20 09                | 28 56                | 01 27                |   |
| 17 Sa | 00 ♄ 3937  | 27 1859    | 04 ♄ 1814  | 15 37                | 14 18                | 00 ♀ 00              | 27 54                | 06 55                | 17 12                | 20 10                | 28 55                | 01 26                |   |
| 18 Su | 01 3651    | 11 ♄ 2040  | 18 2612    | 15 37 <sub>D</sub>   | 16 05                | 01 12                | 28 32                | 06 51                | 17 08                | 20 12                | 28 55                | 01 24                |   |
| 19 Mo | 02 3406    | 25 3440    | 02 ♃ 4549  | 15 38                | 17 55                | 02 25                | 29 09                | 06 45                | 17 04                | 20 13                | 28 54                | 01 23                |   |
| 20 Tu | 03 3121    | 09 ♃ 5920  | 17 1450    | 15 39                | 19 48                | 03 37                | 29 47                | 06 40                | 16 59                | 20 15                | 28 53                | 01 21                |   |
| 21 We | 04 2836    | 24 3149    | 01 ♀ 4940  | 15 39 <sub>R</sub>   | 21 44                | 04 49                | 00 ♀ 24              | 06 35                | 16 55                | 20 16                | 28 53                | 01 20                |   |
| 22 Th | 05 2551    | 09 ♀ 0745  | 16 2517    | 15 37                | 23 42                | 06 01                | 01 02                | 06 29                | 16 51                | 20 18                | 28 52                | 01 18                |   |
| 23 Fr | 06 2307    | 23 4130    | 00 ♃ 5535  | 15 32                | 25 43                | 07 13                | 01 39                | 06 24                | 16 46                | 20 19                | 28 51                | 01 17                |   |
| 24 Sa | 07 2023    | 08 ♃ 0643  | 15 1411    | 15 26                | 27 45                | 08 25                | 02 17                | 06 18                | 16 42                | 20 21                | 28 50                | 01 15                |   |
| 25 Su | 08 1740    | 22 1715    | 29 1522    | 15 18                | 29 49                | 09 37                | 02 54                | 06 12                | 16 38                | 20 22                | 28 49                | 01 14                |   |
| 26 Mo | 09 1457    | 06 ♃ 0802  | 12 ♃ 5456  | 15 09                | 01 ♄ 53              | 10 49                | 03 32                | 06 06                | 16 33                | 20 23                | 28 48                | 01 13                |   |
| 27 Tu | 10 1216    | 19 3552    | 26 1047    | 15 01                | 03 59                | 12 01                | 04 10                | 05 59                | 16 29                | 20 24                | 28 47                | 01 11                |   |
| 28 We | 11 0935    | 02 ♀ 3945  | 09 ♀ 0259  | 14 54                | 06 06                | 13 13                | 04 47                | 05 53                | 16 24                | 20 25                | 28 46                | 01 10                |   |
| 29 Th | 12 0655    | 15 2047    | 21 3334    | 14 48                | 08 12                | 14 24                | 05 25                | 05 47                | 16 20                | 20 26                | 28 45                | 01 08                |   |
| 30 Fr | 13 0416    | 27 4150    | 03 ♀ 4607  | 14 45                | 10 19                | 15 36                | 06 02                | 05 40                | 16 16                | 20 28                | 28 44                | 01 07                |   |
| 31 Sa | 14 0139    | 09 ♀ 4703  | 15 4514    | 14 44                | 12 25                | 16 48                | 06 40                | 05 33                | 16 11                | 20 29                | 28 43                | 01 05                |   |

### Planetary Data

| Ingresses |    | Day | Time     |
|-----------|----|-----|----------|
| ♋         | II | 7   | 1:42 AM  |
| ☉         | ♄  | 16  | 7:23 AM  |
| ♌         | ♋  | 16  | 11:56 PM |
| ♍         | ♋  | 20  | 8:25 AM  |
| ♎         | ♄  | 25  | 2:11 AM  |

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| Stations |  | Day | Time |
|----------|--|-----|------|
| ~ None ~ |  |     |      |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♎         |  | 28  | 3:30 AM  |
| ♏         |  | 30  | 10:14 AM |
| ♐         |  | 2   | 8:44 PM  |
| ♑         |  | 5   | 9:30 AM  |
| II        |  | 7   | 10:12 PM |
| ♄         |  | 10  | 9:08 AM  |
| ♋         |  | 12  | 5:44 PM  |
| ♃         |  | 15  | 12:10 AM |
| ♌         |  | 17  | 4:38 AM  |
| ♍         |  | 19  | 7:23 AM  |
| ♎         |  | 21  | 9:00 AM  |
| ♏         |  | 23  | 10:28 AM |
| ♎         |  | 25  | 1:17 PM  |
| ♏         |  | 27  | 7:03 PM  |
| ♐         |  | 30  | 4:33 AM  |

| Void Times |          | Day | Time | Last Aspect |
|------------|----------|-----|------|-------------|
| 30         | 8:24 AM  | ♌   | ♎    |             |
| 2          | 12:13 PM | ♏   | ♋    |             |
| 5          | 7:30 AM  | ♏   | ♎    |             |
| 7          | 8:11 PM  | ♏   | ♎    |             |
| 10         | 7:11 AM  | ♌   | ♎    |             |
| 12         | 8:30 AM  | ♌   | ♏    |             |
| 14         | 10:16 PM | ♌   | ♏    |             |
| 17         | 1:05 AM  | ♏   | ♏    |             |
| 19         | 6:16 AM  | ♏   | ♏    |             |
| 21         | 7:08 AM  | ♏   | ♎    |             |
| 23         | 8:32 AM  | ♏   | ♎    |             |
| 24         | 8:43 PM  | ♏   | ♎    |             |
| 27         | 4:48 PM  | ♌   | ♎    |             |
| 29         | 1:54 AM  | ♏   | ♋    |             |

### Phases & Eclipses

| Lunar Phases |          | Day | Time     |
|--------------|----------|-----|----------|
| 1            | 5:11 PM  | ☾   | 16 ♀ 05  |
| 9            | 9:17 PM  | ●   | 23 II 52 |
| 17           | 6:11 AM  | ☽   | 00 ♄ 54  |
| 23           | 10:37 PM | ○   | 07 ♃ 17  |
| 31           | 9:16 AM  | ☽   | 14 ♀ 24  |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# August 2021

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉        | ☽        | +12 Hr   | True♊              | ♋                  | ♌                  | ♍                  | ♎                  | ♏                  | ♐                  | ♑                  | ♒                  | ♓ |
|-------|----------|----------|----------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---|
| 01 Su | 14 59:02 | 21 41:22 | 27 36:05 | 14 44 <sup>D</sup> | 14 30 <sup>D</sup> | 17 59 <sup>D</sup> | 07 18 <sup>D</sup> | 05 26 <sup>R</sup> | 16 07 <sup>R</sup> | 20 29 <sup>D</sup> | 28 42 <sup>R</sup> | 01 04 <sup>R</sup> |   |
| 02 Mo | 15 56:27 | 03 30:05 | 09 24:02 | 14 45              | 16 35              | 19 11              | 07 55              | 05 20              | 16 02              | 20 30              | 28 41              | 01 03              |   |
| 03 Tu | 16 53:52 | 15 18:33 | 21 14:15 | 14 45 <sup>R</sup> | 18 39              | 20 23              | 08 33              | 05 13              | 15 58              | 20 31              | 28 40              | 01 01              |   |
| 04 We | 17 51:19 | 27 11:43 | 03 11:30 | 14 44              | 20 42              | 21 34              | 09 11              | 05 05              | 15 53              | 20 32              | 28 39              | 01 00              |   |
| 05 Th | 18 48:47 | 09 14:02 | 15 19:46 | 14 41              | 22 44              | 22 46              | 09 49              | 04 58              | 15 49              | 20 33              | 28 38              | 00 59              |   |
| 06 Fr | 19 46:16 | 21 29:03 | 27 42:09 | 14 36              | 24 45              | 23 57              | 10 27              | 04 51              | 15 44              | 20 34              | 28 37              | 00 57              |   |
| 07 Sa | 20 43:46 | 03 59:16 | 10 20:31 | 14 28              | 26 44              | 25 09              | 11 04              | 04 44              | 15 40              | 20 34              | 28 35              | 00 56              |   |
| 08 Su | 21 41:17 | 16 45:56 | 23 15:29 | 14 19              | 28 42              | 26 20              | 11 42              | 04 36              | 15 35              | 20 35              | 28 34              | 00 55              |   |
| 09 Mo | 22 38:50 | 29 49:03 | 06 26:27 | 14 07              | 00 38              | 27 31              | 12 20              | 04 29              | 15 31              | 20 35              | 28 33              | 00 53              |   |
| 10 Tu | 23 36:23 | 13 07:26 | 19 51:45 | 13 56              | 02 33              | 28 43              | 12 58              | 04 21              | 15 27              | 20 36              | 28 32              | 00 52              |   |
| 11 We | 24 33:58 | 26 39:05 | 03 29:07 | 13 46              | 04 27              | 29 54              | 13 36              | 04 13              | 15 22              | 20 36              | 28 30              | 00 51              |   |
| 12 Th | 25 31:33 | 10 21:34 | 17 16:07 | 13 37              | 06 19              | 01 05              | 14 14              | 04 06              | 15 18              | 20 37              | 28 29              | 00 49              |   |
| 13 Fr | 26 29:09 | 24 12:31 | 01 10:32 | 13 31              | 08 09              | 02 16              | 14 52              | 03 58              | 15 14              | 20 37              | 28 28              | 00 48              |   |
| 14 Sa | 27 26:47 | 08 09:59 | 15 10:42 | 13 28              | 09 58              | 03 27              | 15 30              | 03 50              | 15 09              | 20 37              | 28 26              | 00 47              |   |
| 15 Su | 28 24:25 | 22 12:33 | 29 15:26 | 13 26              | 11 46              | 04 38              | 16 08              | 03 42              | 15 05              | 20 38              | 28 25              | 00 46              |   |
| 16 Mo | 29 22:04 | 06 19:15 | 13 23:52 | 13 26 <sup>D</sup> | 13 32              | 05 49              | 16 46              | 03 35              | 15 01              | 20 38              | 28 24              | 00 44              |   |
| 17 Tu | 00 19:44 | 20 29:09 | 27 34:56 | 13 26 <sup>R</sup> | 15 16              | 07 00              | 17 24              | 03 27              | 14 56              | 20 38              | 28 22              | 00 43              |   |
| 18 We | 01 17:25 | 04 40:59 | 11 47:02 | 13 25              | 16 59              | 08 11              | 18 02              | 03 19              | 14 52              | 20 38              | 28 21              | 00 42              |   |
| 19 Th | 02 15:07 | 18 52:42 | 25 57:37 | 13 21              | 18 41              | 09 22              | 18 40              | 03 11              | 14 48              | 20 38              | 28 19              | 00 41              |   |
| 20 Fr | 03 12:51 | 03 01:17 | 10 03:12 | 13 15              | 20 21              | 10 33              | 19 18              | 03 03              | 14 44              | 20 38 <sup>R</sup> | 28 18              | 00 40              |   |
| 21 Sa | 04 10:35 | 17 02:51 | 23 59:39 | 13 06              | 22 00              | 11 43              | 19 56              | 02 55              | 14 40              | 20 38              | 28 16              | 00 38              |   |
| 22 Su | 05 08:21 | 00 53:06 | 07 42:43 | 12 55              | 23 37              | 12 54              | 20 34              | 02 47              | 14 36              | 20 38              | 28 15              | 00 37              |   |
| 23 Mo | 06 06:08 | 14 28:03 | 21 08:47 | 12 43              | 25 13              | 14 05              | 21 12              | 02 40              | 14 32              | 20 38              | 28 13              | 00 36              |   |
| 24 Tu | 07 03:57 | 27 44:39 | 04 15:30 | 12 31              | 26 48              | 15 15              | 21 50              | 02 32              | 14 28              | 20 38              | 28 12              | 00 35              |   |
| 25 We | 08 01:47 | 10 41:19 | 17 02:10 | 12 20              | 28 21              | 16 25              | 22 28              | 02 24              | 14 24              | 20 38              | 28 10              | 00 34              |   |
| 26 Th | 08 59:39 | 23 18:14 | 29 29:47 | 12 11              | 29 53              | 17 36              | 23 07              | 02 16              | 14 20              | 20 37              | 28 09              | 00 33              |   |
| 27 Fr | 09 57:32 | 05 37:12 | 11 40:57 | 12 05              | 01 24              | 18 46              | 23 45              | 02 08              | 14 16              | 20 37              | 28 07              | 00 32              |   |
| 28 Sa | 10 55:28 | 17 41:31 | 23 39:29 | 12 02              | 02 53              | 19 56              | 24 23              | 02 01              | 14 13              | 20 37              | 28 06              | 00 31              |   |
| 29 Su | 11 53:25 | 29 35:30 | 05 30:11 | 12 01              | 04 20              | 21 06              | 25 02              | 01 53              | 14 09              | 20 36              | 28 04              | 00 30              |   |
| 30 Mo | 12 51:24 | 11 24:14 | 17 18:20 | 12 00              | 05 47              | 22 16              | 25 40              | 01 45              | 14 05              | 20 36              | 28 03              | 00 29              |   |
| 31 Tu | 13 49:25 | 23 13:11 | 29 09:27 | 12 00              | 07 11              | 23 27              | 26 18              | 01 38              | 14 02              | 20 35              | 28 01              | 00 28              |   |

### Planetary Data

| Ingresses |   | Day | Time    |
|-----------|---|-----|---------|
| ♋         | ♌ | 8   | 4:02 PM |
| ♌         | ♍ | 11  | 2:02 AM |
| ☉         | ♌ | 16  | 3:47 PM |
| ♋         | ♍ | 26  | 1:48 AM |

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| Stations       |  | Day | Time    |
|----------------|--|-----|---------|
| ♌ <sup>R</sup> |  | 19  | 8:57 PM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♌         |  | 30  | 4:33 AM  |
| ♋         |  | 1   | 4:53 PM  |
| ♌         |  | 4   | 5:37 AM  |
| ♍         |  | 6   | 4:25 PM  |
| ♌         |  | 9   | 12:20 AM |
| ♍         |  | 11  | 5:54 AM  |
| ♌         |  | 13  | 9:58 AM  |
| ♍         |  | 15  | 1:16 PM  |
| ♌         |  | 17  | 4:05 PM  |
| ♍         |  | 19  | 6:51 PM  |
| ♌         |  | 21  | 10:28 PM |
| ♍         |  | 24  | 4:09 AM  |
| ♌         |  | 26  | 12:59 PM |
| ♋         |  | 29  | 12:50 AM |
| ♌         |  | 31  | 1:42 PM  |

| Void Times |          | Day | Time | Last Aspect |
|------------|----------|-----|------|-------------|
| 1          | 2:14 PM  | ♌   | ♍    |             |
| 4          | 2:55 AM  | ♌   | ♍    |             |
| 6          | 1:44 PM  | ♌   | ♍    |             |
| 8          | 9:51 AM  | ♌   | ♍    |             |
| 11         | 3:15 AM  | ♌   | ♍    |             |
| 13         | 4:14 AM  | ♌   | ♍    |             |
| 15         | 11:20 AM | ♌   | ♍    |             |
| 17         | 1:19 PM  | ♌   | ♍    |             |
| 19         | 3:58 PM  | ♌   | ♍    |             |
| 21         | 6:12 AM  | ♌   | ♍    |             |
| 24         | 12:49 AM | ♌   | ♍    |             |
| 25         | 11:57 AM | ♌   | ♍    |             |
| 28         | 8:56 PM  | ♌   | ♍    |             |
| 31         | 9:41 AM  | ♌   | ♍    |             |

### Phases & Eclipses

| Lunar Phases |  | Day | Time     |
|--------------|--|-----|----------|
| ☾            |  | 31  | 9:16 AM  |
| ☀            |  | 8   | 9:51 AM  |
| ☾            |  | 15  | 11:20 AM |
| ☀            |  | 22  | 8:02 AM  |
| ☾            |  | 30  | 3:14 AM  |

---

| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

---

| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# September 2021 Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♁                | ♀                    | ♂                    | ♃                    | ♄                    | ♅                    | ♆                    | ♇                    | ♈                    | ♉ | ♊ | ♋ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|---|---|
| 01 We | 14 ♀ 4727 | 05 ♀ 0750 | 11 ♀ 0856 | 11 ♀ 59 <sub>R</sub> | 08 ♀ 35 <sub>D</sub> | 24 ♀ 36 <sub>D</sub> | 26 ♀ 57 <sub>D</sub> | 01 ♀ 30 <sub>R</sub> | 13 ♀ 58 <sub>R</sub> | 20 ♀ 35 <sub>R</sub> | 27 ♀ 59 <sub>R</sub> | 00 ♀ 27 <sub>R</sub> |   |   |   |
| 02 Th | 15 4532   | 17 1322   | 23 2140   | 11 56                | 09 57                | 25 46                | 27 35                | 01 23                | 13 55                | 20 34                | 27 58                | 00 26                |   |   |   |
| 03 Fr | 16 4338   | 29 3418   | 05 ♄ 5141 | 11 51                | 11 17                | 26 56                | 28 13                | 01 16                | 13 51                | 20 33                | 27 56                | 00 25                |   |   |   |
| 04 Sa | 17 4147   | 12 ♄ 1405 | 18 4143   | 11 42                | 12 36                | 28 06                | 28 52                | 01 08                | 13 48                | 20 33                | 27 55                | 00 24                |   |   |   |
| 05 Su | 18 3957   | 25 1440   | 01 ♀ 5254 | 11 32                | 13 53                | 29 16                | 29 30                | 01 01                | 13 45                | 20 32                | 27 53                | 00 23                |   |   |   |
| 06 Mo | 19 3809   | 08 ♀ 3615 | 15 2427   | 11 20                | 15 09                | 00 ♄ 25              | 00 ♀ 09              | 00 54                | 13 41                | 20 31                | 27 51                | 00 23                |   |   |   |
| 07 Tu | 20 3623   | 22 1707   | 29 1346   | 11 08                | 16 22                | 01 35                | 00 47                | 00 47                | 13 38                | 20 30                | 27 50                | 00 22                |   |   |   |
| 08 We | 21 3438   | 06 ♀ 1352 | 13 ♀ 1649 | 10 56                | 17 34                | 02 44                | 01 26                | 00 40                | 13 35                | 20 29                | 27 48                | 00 21                |   |   |   |
| 09 Th | 22 3256   | 20 2159   | 27 2846   | 10 47                | 18 45                | 03 53                | 02 05                | 00 33                | 13 32                | 20 28                | 27 46                | 00 20                |   |   |   |
| 10 Fr | 23 3115   | 04 ♄ 3634 | 11 ♄ 4451 | 10 40                | 19 53                | 05 03                | 02 43                | 00 27                | 13 29                | 20 27                | 27 45                | 00 19                |   |   |   |
| 11 Sa | 24 2935   | 18 5307   | 26 0100   | 10 37                | 20 59                | 06 12                | 03 22                | 00 20                | 13 27                | 20 26                | 27 43                | 00 19                |   |   |   |
| 12 Su | 25 2757   | 03 ♄ 0809 | 10 ♄ 1419 | 10 35                | 22 03                | 07 21                | 04 01                | 00 14                | 13 24                | 20 25                | 27 41                | 00 18                |   |   |   |
| 13 Mo | 26 2621   | 17 1917   | 24 2257   | 10 35 <sub>D</sub>   | 23 04                | 08 30                | 04 39                | 00 07                | 13 21                | 20 24                | 27 40                | 00 17                |   |   |   |
| 14 Tu | 27 2446   | 01 ♀ 2510 | 08 ♀ 2553 | 10 35 <sub>R</sub>   | 24 03                | 09 39                | 05 18                | 00 01                | 13 19                | 20 23                | 27 38                | 00 17                |   |   |   |
| 15 We | 28 2312   | 15 2501   | 22 2228   | 10 34                | 25 00                | 10 48                | 05 57                | 29 ♀ 55              | 13 16                | 20 22                | 27 36                | 00 16                |   |   |   |
| 16 Th | 29 2141   | 29 1808   | 06 ♀ 1153 | 10 31                | 25 53                | 11 56                | 06 36                | 29 49                | 13 14                | 20 20                | 27 35                | 00 16                |   |   |   |
| 17 Fr | 00 ♀ 2010 | 13 ♀ 0334 | 19 5259   | 10 25                | 26 44                | 13 05                | 07 14                | 29 44                | 13 11                | 20 19                | 27 33                | 00 15                |   |   |   |
| 18 Sa | 01 1842   | 26 3955   | 03 ♄ 2407 | 10 17                | 27 31                | 14 13                | 07 53                | 29 38                | 13 09                | 20 18                | 27 32                | 00 14                |   |   |   |
| 19 Su | 02 1715   | 10 ♄ 0521 | 16 4322   | 10 06                | 28 15                | 15 22                | 08 32                | 29 32                | 13 07                | 20 16                | 27 30                | 00 14                |   |   |   |
| 20 Mo | 03 1550   | 23 1756   | 29 4851   | 09 55                | 28 55                | 16 30                | 09 11                | 29 27                | 13 05                | 20 15                | 27 28                | 00 13                |   |   |   |
| 21 Tu | 04 1427   | 06 ♀ 1559 | 12 ♀ 3913 | 09 44                | 29 30                | 17 38                | 09 50                | 29 22                | 13 03                | 20 13                | 27 27                | 00 13                |   |   |   |
| 22 We | 05 1306   | 18 5831   | 25 1356   | 09 34                | 00 ♄ 02              | 18 46                | 10 29                | 29 17                | 13 01                | 20 12                | 27 25                | 00 13                |   |   |   |
| 23 Th | 06 1147   | 01 ♀ 2533 | 07 ♀ 3334 | 09 25                | 00 28                | 19 54                | 11 08                | 29 12                | 12 59                | 20 10                | 27 23                | 00 12                |   |   |   |
| 24 Fr | 07 1030   | 13 3815   | 19 3954   | 09 20                | 00 50                | 21 02                | 11 47                | 29 07                | 12 58                | 20 09                | 27 22                | 00 12                |   |   |   |
| 25 Sa | 08 0915   | 25 3855   | 01 ♀ 3547 | 09 17                | 01 05                | 22 09                | 12 26                | 29 03                | 12 56                | 20 07                | 27 20                | 00 11                |   |   |   |
| 26 Su | 09 0802   | 07 ♀ 3059 | 13 2504   | 09 16                | 01 15                | 23 17                | 13 05                | 28 59                | 12 54                | 20 05                | 27 18                | 00 11                |   |   |   |
| 27 Mo | 10 0652   | 19 1840   | 25 1223   | 09 16 <sub>D</sub>   | 01 19                | 24 24                | 13 44                | 28 54                | 12 53                | 20 04                | 27 17                | 00 11                |   |   |   |
| 28 Tu | 11 0544   | 01 ♀ 0653 | 07 ♀ 0251 | 09 17                | 01 16 <sub>R</sub>   | 25 32                | 14 23                | 28 50                | 12 52                | 20 02                | 27 15                | 00 11                |   |   |   |
| 29 We | 12 0438   | 13 0056   | 19 0150   | 09 17 <sub>R</sub>   | 01 06                | 26 39                | 15 02                | 28 47                | 12 50                | 20 00                | 27 14                | 00 10                |   |   |   |
| 30 Th | 13 0334   | 25 0612   | 01 ♄ 1440 | 09 16                | 00 48                | 27 46                | 15 42                | 28 43                | 12 49                | 19 58                | 27 12                | 00 10                |   |   |   |
| 01 Fr | 14 0233   | 07 ♄ 2748 | 13 4608   | 09 14                | 00 23                | 28 53                | 16 21                | 28 39                | 12 48                | 19 57                | 27 10                | 00 10                |   |   |   |

## Planetary Data

| Ingresses      |  | Day | Time     |
|----------------|--|-----|----------|
| ♂ ♄            |  | 5   | 3:19 PM  |
| ♂ ♀            |  | 5   | 6:28 PM  |
| ♄ ♀            |  | 14  | 4:51 AM  |
| ☉ ♀            |  | 16  | 3:43 PM  |
| ♀ ♄            |  | 21  | 10:40 PM |
| ♀ ♀            |  | 1   | 5:31 PM  |
| Stations       |  | Day | Time     |
| ♀ <sub>R</sub> |  | 27  | 1:10 AM  |

## Lunar Ingresses & Void Moons

| Ingresses  |  | Day | Time     |             |
|------------|--|-----|----------|-------------|
| ♂          |  | 29  | 12:50 AM |             |
| ♂          |  | 31  | 1:42 PM  |             |
| ♄          |  | 3   | 12:49 AM |             |
| ♂          |  | 5   | 8:37 AM  |             |
| ♀          |  | 7   | 1:20 PM  |             |
| ♄          |  | 9   | 4:15 PM  |             |
| ♄          |  | 11  | 6:42 PM  |             |
| ♂          |  | 13  | 9:35 PM  |             |
| ♂          |  | 16  | 1:12 AM  |             |
| ♄          |  | 18  | 5:55 AM  |             |
| ♂          |  | 20  | 12:21 PM |             |
| ♂          |  | 22  | 9:14 PM  |             |
| ♂          |  | 25  | 8:47 AM  |             |
| ♂          |  | 27  | 9:45 PM  |             |
| ♄          |  | 30  | 9:35 AM  |             |
| Void Times |  | Day | Time     | Last Aspect |
|            |  | 31  | 9:41 AM  | ♂ ♀         |
|            |  | 2   | 9:17 PM  | ♂ ♀         |
|            |  | 5   | 7:59 AM  | ♂ ♀         |
|            |  | 7   | 9:34 AM  | ♂ ♀         |
|            |  | 8   | 9:00 PM  | ♂ ♀         |
|            |  | 11  | 2:51 PM  | ♂ ♀         |
|            |  | 13  | 5:34 PM  | ♂ ♀         |
|            |  | 16  | 12:07 AM | ♂ ♀         |
|            |  | 18  | 5:15 AM  | ♂ ♀         |
|            |  | 20  | 7:39 AM  | ♂ ♀         |
|            |  | 22  | 7:42 PM  | ♂ ♀         |
|            |  | 25  | 6:49 AM  | ♂ ♀         |
|            |  | 27  | 7:25 PM  | ♂ ♀         |
|            |  | 30  | 5:44 AM  | ♂ ♀         |

## Phases & Eclipses

| Lunar Phases   |  | Day | Time    |
|----------------|--|-----|---------|
| ☉              |  | 6   | 8:52 PM |
| ☽              |  | 13  | 4:40 PM |
| ☉              |  | 20  | 7:55 PM |
| ☽              |  | 28  | 9:58 PM |
| Solar Eclipses |  | Day | Time    |
| ~ None ~       |  |     |         |
| Lunar Eclipses |  | Day | Time    |
| ~ None ~       |  |     |         |

# October 2021

## Sidereal Midnight Ephemeris

Time Zone: EDT (04:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♁                | ♀                    | ♊                    | ♋                    | ♌                    | ♍                    | ♎                    | ♏                    | ♐                    | ♑ | ♒ | ♓ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|---|---|
| 01 Fr | 14 ♀ 0233 | 07 ♄ 2748 | 13 ♄ 4608 | 09 ♀ 14 <sub>R</sub> | 00 ♄ 23 <sub>R</sub> | 28 ♄ 53 <sub>D</sub> | 16 ♀ 21 <sub>D</sub> | 28 ♃ 39 <sub>R</sub> | 12 ♃ 48 <sub>R</sub> | 19 ♃ 57 <sub>R</sub> | 27 ♃ 10 <sub>R</sub> | 00 ♃ 10 <sub>R</sub> |   |   |   |
| 02 Sa | 15 0133   | 20 1006   | 26 4003   | 09 09                | 29 ♀ 50              | 29 59                | 17 00                | 28 36                | 12 47                | 19 55                | 27 09                | 00 10                |   |   |   |
| 03 Su | 16 0037   | 03 ♀ 1614 | 09 ♀ 5843 | 09 02                | 29 10                | 01 ♄ 06              | 17 39                | 28 33                | 12 47                | 19 53                | 27 07                | 00 10                |   |   |   |
| 04 Mo | 16 5942   | 16 4730   | 23 4222   | 08 54                | 28 22                | 02 12                | 18 19                | 28 30                | 12 46                | 19 51                | 27 06                | 00 10                |   |   |   |
| 05 Tu | 17 5849   | 00 ♀ 4259 | 07 ♀ 4851 | 08 45                | 27 28                | 03 18                | 18 58                | 28 27                | 12 45                | 19 49                | 27 04                | 00 09                |   |   |   |
| 06 We | 18 5759   | 14 5920   | 22 1340   | 08 37                | 26 27                | 04 25                | 19 38                | 28 25                | 12 45                | 19 47                | 27 03                | 00 09                |   |   |   |
| 07 Th | 19 5711   | 29 3103   | 06 ♄ 5034 | 08 30                | 25 22                | 05 30                | 20 17                | 28 23                | 12 44                | 19 45                | 27 01                | 00 09 <sub>D</sub>   |   |   |   |
| 08 Fr | 20 5625   | 14 ♄ 1120 | 21 3228   | 08 26                | 24 13                | 06 36                | 20 56                | 28 21                | 12 44                | 19 43                | 27 00                | 00 09                |   |   |   |
| 09 Sa | 21 5540   | 28 5306   | 06 ♄ 1231 | 08 24                | 23 02                | 07 42                | 21 36                | 28 19                | 12 44                | 19 41                | 26 58                | 00 10                |   |   |   |
| 10 Su | 22 5458   | 13 ♄ 3002 | 20 4506   | 08 23 <sub>D</sub>   | 21 52                | 08 47                | 22 15                | 28 17                | 12 43                | 19 39                | 26 57                | 00 10                |   |   |   |
| 11 Mo | 23 5417   | 27 5716   | 05 ♀ 0613 | 08 24                | 20 43                | 09 52                | 22 55                | 28 15                | 12 43 <sub>D</sub>   | 19 36                | 26 55                | 00 10                |   |   |   |
| 12 Tu | 24 5338   | 12 ♀ 1143 | 19 1336   | 08 25                | 19 38                | 10 57                | 23 35                | 28 14                | 12 43                | 19 34                | 26 54                | 00 10                |   |   |   |
| 13 We | 25 5301   | 26 1148   | 03 ♃ 0617 | 08 26 <sub>R</sub>   | 18 39                | 12 02                | 24 14                | 28 13                | 12 44                | 19 32                | 26 53                | 00 10                |   |   |   |
| 14 Th | 26 5225   | 09 ♃ 5706 | 16 4416   | 08 25                | 17 47                | 13 07                | 24 54                | 28 12                | 12 44                | 19 30                | 26 51                | 00 10                |   |   |   |
| 15 Fr | 27 5151   | 23 2752   | 00 ♃ 0757 | 08 23                | 17 05                | 14 11                | 25 34                | 28 11                | 12 44                | 19 28                | 26 50                | 00 11                |   |   |   |
| 16 Sa | 28 5119   | 06 ♃ 4436 | 13 1753   | 08 18                | 16 32                | 15 15                | 26 13                | 28 11                | 12 45                | 19 25                | 26 48                | 00 11                |   |   |   |
| 17 Su | 29 5049   | 19 4750   | 26 1431   | 08 12                | 16 10                | 16 19                | 26 53                | 28 10                | 12 45                | 19 23                | 26 47                | 00 11                |   |   |   |
| 18 Mo | 00 ♄ 5020 | 02 ♃ 3759 | 08 ♃ 5817 | 08 06                | 15 59                | 17 23                | 27 33                | 28 10                | 12 46                | 19 21                | 26 46                | 00 11                |   |   |   |
| 19 Tu | 01 4954   | 15 1527   | 21 2934   | 07 59                | 16 00 <sub>D</sub>   | 18 26                | 28 13                | 28 10 <sub>D</sub>   | 12 47                | 19 18                | 26 45                | 00 12                |   |   |   |
| 20 We | 02 4929   | 27 4043   | 03 ♃ 4900 | 07 53                | 16 11                | 19 29                | 28 53                | 28 11                | 12 47                | 19 16                | 26 43                | 00 12                |   |   |   |
| 21 Th | 03 4907   | 09 ♃ 5434 | 15 5733   | 07 49                | 16 33                | 20 32                | 29 32                | 28 11                | 12 48                | 19 14                | 26 42                | 00 13                |   |   |   |
| 22 Fr | 04 4846   | 21 5812   | 27 5644   | 07 46                | 17 04                | 21 34                | 00 ♄ 12              | 28 12                | 12 49                | 19 11                | 26 41                | 00 13                |   |   |   |
| 23 Sa | 05 4828   | 03 ♀ 5328 | 09 ♀ 4843 | 07 44                | 17 45                | 22 37                | 00 52                | 28 13                | 12 51                | 19 09                | 26 40                | 00 13                |   |   |   |
| 24 Su | 06 4811   | 15 4251   | 21 3619   | 07 45 <sub>D</sub>   | 18 34                | 23 39                | 01 32                | 28 14                | 12 52                | 19 07                | 26 38                | 00 14                |   |   |   |
| 25 Mo | 07 4757   | 27 2933   | 03 ♃ 2303 | 07 46                | 19 30                | 24 40                | 02 12                | 28 15                | 12 53                | 19 04                | 26 37                | 00 14                |   |   |   |
| 26 Tu | 08 4745   | 09 ♃ 1723 | 15 1304   | 07 48                | 20 33                | 25 42                | 02 53                | 28 17                | 12 55                | 19 02                | 26 36                | 00 15                |   |   |   |
| 27 We | 09 4735   | 21 1044   | 27 1058   | 07 50                | 21 42                | 26 43                | 03 33                | 28 18                | 12 56                | 18 59                | 26 35                | 00 16                |   |   |   |
| 28 Th | 10 4727   | 03 ♄ 1424 | 09 ♄ 2138 | 07 51                | 22 56                | 27 43                | 04 13                | 28 20                | 12 58                | 18 57                | 26 34                | 00 16                |   |   |   |
| 29 Fr | 11 4721   | 15 3316   | 21 4953   | 07 51 <sub>R</sub>   | 24 14                | 28 43                | 04 53                | 28 22                | 13 00                | 18 54                | 26 33                | 00 17                |   |   |   |
| 30 Sa | 12 4718   | 28 1202   | 04 ♀ 4011 | 07 50                | 25 36                | 29 43                | 05 33                | 28 25                | 13 02                | 18 52                | 26 32                | 00 18                |   |   |   |
| 31 Su | 13 4717   | 11 ♀ 1443 | 17 5556   | 07 48                | 27 01                | 00 ♀ 43              | 06 13                | 28 27                | 13 03                | 18 50                | 26 31                | 00 18                |   |   |   |

### Planetary Data

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♀ ♀       | ♀ | 1   | 5:31 PM  |
| ♂ ♀       | ♂ | 2   | 12:16 AM |
| ☉ ♀       | ♂ | 17  | 3:42 AM  |
| ♂ ♀       | ♂ | 21  | 4:32 PM  |
| ♀ ♀       | ♂ | 30  | 6:40 AM  |

  

| Stations       |  | Day | Time     |
|----------------|--|-----|----------|
| ♂ <sub>D</sub> |  | 6   | 12:38 PM |
| ♂ <sub>D</sub> |  | 10  | 10:43 PM |
| ♂ <sub>D</sub> |  | 18  | 1:14 AM  |
| ♂ <sub>D</sub> |  | 18  | 11:16 AM |

### Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♂         |  | 27  | 9:45 PM  |
| ♂         |  | 30  | 9:35 AM  |
| ♂         |  | 2   | 6:05 PM  |
| ♂         |  | 4   | 10:47 PM |
| ♂         |  | 7   | 12:48 AM |
| ♂         |  | 9   | 1:49 AM  |
| ♂         |  | 11  | 3:26 AM  |
| ♂         |  | 13  | 6:36 AM  |
| ♂         |  | 15  | 11:46 AM |
| ♂         |  | 17  | 7:03 PM  |
| ♂         |  | 20  | 4:32 AM  |
| ♂         |  | 22  | 4:09 PM  |
| ♂         |  | 25  | 5:06 AM  |
| ♂         |  | 27  | 5:36 PM  |
| ♂         |  | 30  | 3:22 AM  |

  

| Void Times |          | Day | Time | Last Aspect |
|------------|----------|-----|------|-------------|
| 30         | 5:44 AM  | ♂   | ♀    |             |
| 2          | 4:57 PM  | ♂   | ♀    |             |
| 4          | 5:48 PM  | ♂   | ♀    |             |
| 6          | 10:08 PM | ♂   | ♂    |             |
| 8          | 11:03 PM | ♂   | ♂    |             |
| 11         | 12:31 AM | ♂   | ♂    |             |
| 13         | 1:10 AM  | ♂   | ♀    |             |
| 15         | 8:33 AM  | ♂   | ☉    |             |
| 17         | 1:00 PM  | ♂   | ♀    |             |
| 20         | 2:29 AM  | ♂   | ♂    |             |
| 22         | 12:32 PM | ♂   | ♂    |             |
| 25         | 1:34 AM  | ♂   | ♂    |             |
| 27         | 10:48 AM | ♂   | ♀    |             |
| 30         | 3:05 AM  | ♂   | ♀    |             |

### Phases & Eclipses

| Lunar Phases |          | Day | Time    |
|--------------|----------|-----|---------|
| 6            | 7:06 AM  | ●   | 19 ♀ 15 |
| 12           | 11:26 PM | ☾   | 25 ♀ 52 |
| 20           | 10:57 AM | ○   | 03 ♀ 17 |
| 28           | 4:06 PM  | ☾   | 11 ♀ 28 |

  

| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

  

| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

# November 2021 Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉        | ☽        | +12 Hr   | True♊                 | ♀                     | ♋                     | ♌                     | ♍                     | ♎                     | ♏                     | ♐                     | ♑                     | ♒ | ♓ |
|-------|----------|----------|----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|
| 01 Mo | 14 49:48 | 25 18:20 | 02 13:52 | 07 45:45 <sub>R</sub> | 28 32:00 <sub>D</sub> | 01 45:00 <sub>D</sub> | 06 55:00 <sub>D</sub> | 28 30:00 <sub>D</sub> | 13 06:00 <sub>D</sub> | 18 47:00 <sub>R</sub> | 26 30:00 <sub>R</sub> | 00 19:00 <sub>D</sub> |   |   |
| 02 Tu | 15 49:51 | 09 16:08 | 16 24:51 | 07 42:00              | 00 02:00              | 02 43:00              | 07 36:00              | 28 33:00              | 13 08:00              | 18 44:00              | 26 29:00              | 00 20:00              |   |   |
| 03 We | 16 49:56 | 23 39:30 | 00 59:26 | 07 39:00              | 01 34:00              | 03 42:00              | 08 16:00              | 28 36:00              | 13 10:00              | 18 42:00              | 26 28:00              | 00 21:00              |   |   |
| 04 Th | 17 50:03 | 08 23:51 | 15 51:47 | 07 36:00              | 03 07:00              | 04 39:00              | 08 57:00              | 28 39:00              | 13 12:00              | 18 40:00              | 26 27:00              | 00 21:00              |   |   |
| 05 Fr | 18 50:12 | 23 22:12 | 00 53:59 | 07 35:00              | 04 41:00              | 05 37:00              | 09 37:00              | 28 43:00              | 13 15:00              | 18 37:00              | 26 26:00              | 00 22:00              |   |   |
| 06 Sa | 19 50:23 | 08 26:02 | 15 57:12 | 07 34:00 <sub>D</sub> | 06 16:00              | 06 34:00              | 10 18:00              | 28 46:00              | 13 17:00              | 18 35:00              | 26 25:00              | 00 23:00              |   |   |
| 07 Su | 20 50:36 | 23 26:29 | 00 52:55 | 07 35:00              | 07 52:00              | 07 30:00              | 10 58:00              | 28 50:00              | 13 20:00              | 18 32:00              | 26 25:00              | 00 24:00              |   |   |
| 08 Mo | 21 50:50 | 08 15:41 | 15 34:08 | 07 36:00              | 09 28:00              | 08 26:00              | 11 39:00              | 28 54:00              | 13 23:00              | 18 30:00              | 26 24:00              | 00 25:00              |   |   |
| 09 Tu | 22 51:06 | 22 47:42 | 29 56:02 | 07 37:00              | 11 04:00              | 09 22:00              | 12 19:00              | 28 58:00              | 13 26:00              | 18 27:00              | 26 23:00              | 00 26:00              |   |   |
| 10 We | 23 51:23 | 06 58:52 | 13 56:07 | 07 38:00              | 12 41:00              | 10 16:00              | 13 00:00              | 29 03:00              | 13 28:00              | 18 25:00              | 26 22:00              | 00 27:00              |   |   |
| 11 Th | 24 51:41 | 20 47:46 | 27 33:55 | 07 38:00              | 14 18:00              | 11 11:00              | 13 41:00              | 29 07:00              | 13 31:00              | 18 22:00              | 26 22:00              | 00 28:00              |   |   |
| 12 Fr | 25 52:01 | 04 14:44 | 10 50:27 | 07 38:00 <sub>R</sub> | 15 55:00              | 12 04:00              | 14 21:00              | 29 12:00              | 13 35:00              | 18 20:00              | 26 21:00              | 00 29:00              |   |   |
| 13 Sa | 26 52:23 | 17 21:21 | 23 47:44 | 07 38:00              | 17 32:00              | 12 57:00              | 15 02:00              | 29 17:00              | 13 38:00              | 18 17:00              | 26 20:00              | 00 30:00              |   |   |
| 14 Su | 27 52:45 | 00 09:54 | 06 28:11 | 07 37:00              | 19 09:00              | 13 50:00              | 15 43:00              | 29 22:00              | 13 41:00              | 18 15:00              | 26 20:00              | 00 31:00              |   |   |
| 15 Mo | 28 53:10 | 12 42:54 | 18 54:23 | 07 35:00              | 20 46:00              | 14 41:00              | 16 24:00              | 29 27:00              | 13 44:00              | 18 12:00              | 26 19:00              | 00 32:00              |   |   |
| 16 Tu | 29 53:35 | 25 02:54 | 01 08:46 | 07 34:00              | 22 22:00              | 15 32:00              | 17 04:00              | 29 33:00              | 13 48:00              | 18 10:00              | 26 19:00              | 00 33:00              |   |   |
| 17 We | 00 54:02 | 07 12:16 | 13 13:39 | 07 33:00              | 23 59:00              | 16 22:00              | 17 45:00              | 29 39:00              | 13 51:00              | 18 08:00              | 26 18:00              | 00 34:00              |   |   |
| 18 Th | 01 54:31 | 19 13:11 | 25 11:07 | 07 33:00              | 25 35:00              | 17 12:00              | 18 26:00              | 29 44:00              | 13 55:00              | 18 05:00              | 26 18:00              | 00 36:00              |   |   |
| 19 Fr | 02 55:01 | 01 07:42 | 07 03:10 | 07 32:00              | 27 11:00              | 18 00:00              | 19 07:00              | 29 50:00              | 13 59:00              | 18 03:00              | 26 17:00              | 00 37:00              |   |   |
| 20 Sa | 03 55:32 | 12 57:48 | 18 51:51 | 07 32:00 <sub>D</sub> | 28 47:00              | 18 48:00              | 19 48:00              | 29 57:00              | 14 02:00              | 18 00:00              | 26 17:00              | 00 38:00              |   |   |
| 21 Su | 04 56:05 | 24 45:36 | 00 39:21 | 07 32:00              | 00 23:00              | 19 35:00              | 20 29:00              | 00 03:00              | 14 06:00              | 17 58:00              | 26 16:00              | 00 39:00              |   |   |
| 22 Mo | 05 56:40 | 06 33:25 | 12 28:09 | 07 33:00              | 01 58:00              | 20 21:00              | 21 10:00              | 00 09:00              | 14 10:00              | 17 56:00              | 26 16:00              | 00 40:00              |   |   |
| 23 Tu | 06 57:16 | 18 23:55 | 24 21:07 | 07 33:00              | 03 33:00              | 21 06:00              | 21 51:00              | 00 16:00              | 14 14:00              | 17 53:00              | 26 16:00              | 00 42:00              |   |   |
| 24 We | 07 57:53 | 00 20:10 | 06 21:31 | 07 33:00 <sub>R</sub> | 05 09:00              | 21 50:00              | 22 33:00              | 00 23:00              | 14 18:00              | 17 51:00              | 26 16:00              | 00 43:00              |   |   |
| 25 Th | 08 58:33 | 12 25:39 | 18 33:03 | 07 33:00              | 06 43:00              | 22 33:00              | 23 14:00              | 00 30:00              | 14 23:00              | 17 49:00              | 26 15:00              | 00 44:00              |   |   |
| 26 Fr | 09 59:14 | 24 44:12 | 00 59:39 | 07 32:00              | 08 18:00              | 23 15:00              | 23 55:00              | 00 37:00              | 14 27:00              | 17 47:00              | 26 15:00              | 00 46:00              |   |   |
| 27 Sa | 10 59:56 | 07 19:51 | 13 45:19 | 07 32:00              | 09 53:00              | 23 56:00              | 24 36:00              | 00 44:00              | 14 31:00              | 17 44:00              | 26 15:00              | 00 47:00              |   |   |
| 28 Su | 12 00:40 | 20 16:29 | 26 53:45 | 07 32:00 <sub>D</sub> | 11 27:00              | 24 35:00              | 25 18:00              | 00 52:00              | 14 36:00              | 17 42:00              | 26 15:00              | 00 49:00              |   |   |
| 29 Mo | 13 01:26 | 03 37:27 | 10 27:48 | 07 33:00              | 13 02:00              | 25 14:00              | 25 59:00              | 00 59:00              | 14 40:00              | 17 40:00              | 26 15:00              | 00 50:00              |   |   |
| 30 Tu | 14 02:14 | 17 24:56 | 24 28:49 | 07 33:00              | 14 36:00              | 25 51:00              | 26 40:00              | 01 07:00              | 14 45:00              | 17 38:00              | 26 15:00              | 00 51:00              |   |   |
| 01 We | 15 03:02 | 01 39:18 | 08 56:02 | 07 34:00              | 16 10:00              | 26 27:00              | 27 22:00              | 01 15:00              | 14 50:00              | 17 36:00              | 26 15:00              | 00 53:00              |   |   |

## Planetary Data

| Ingresses |   | Day | Time     |
|-----------|---|-----|----------|
| ♋         | ♌ | 1   | 11:24 PM |
| ☉         | ♍ | 16  | 2:32 AM  |
| ♎         | ♏ | 20  | 1:00 PM  |
| ♐         | ♑ | 20  | 6:20 PM  |

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| Stations       |  | Day | Time    |
|----------------|--|-----|---------|
| ♒ <sub>D</sub> |  | 1   | 8:10 AM |

## Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♋         |  | 30  | 2:22 AM  |
| ♌         |  | 1   | 8:10 AM  |
| ♍         |  | 3   | 10:24 AM |
| ♎         |  | 5   | 10:34 AM |
| ♏         |  | 7   | 10:34 AM |
| ♐         |  | 9   | 12:06 PM |
| ♑         |  | 11  | 4:21 PM  |
| ♒         |  | 13  | 11:42 PM |
| ♓         |  | 16  | 9:45 AM  |
| ♋         |  | 18  | 9:44 PM  |
| ♌         |  | 21  | 10:40 AM |
| ♍         |  | 23  | 11:20 PM |
| ♎         |  | 26  | 10:07 AM |
| ♏         |  | 28  | 5:34 PM  |
| ♐         |  | 30  | 9:15 PM  |

| Void Times |  | Day | Time     | Last Aspect |
|------------|--|-----|----------|-------------|
|            |  | 1   | 2:05 AM  | ♌ ♒         |
|            |  | 3   | 8:07 AM  | ♌ ♎         |
|            |  | 5   | 8:32 AM  | ♌ ♎         |
|            |  | 7   | 8:44 AM  | ♌ ♎         |
|            |  | 9   | 6:01 AM  | ♌ ♒         |
|            |  | 11  | 2:53 PM  | ♌ ♎         |
|            |  | 13  | 7:19 PM  | ♌ ☉         |
|            |  | 16  | 8:56 AM  | ♌ ♎         |
|            |  | 18  | 9:23 PM  | ♌ ♎         |
|            |  | 21  | 3:05 AM  | ♌ ♒         |
|            |  | 23  | 3:51 PM  | ♌ ♒         |
|            |  | 25  | 10:20 PM | ♌ ♏         |
|            |  | 28  | 10:49 AM | ♌ ♒         |
|            |  | 30  | 2:56 PM  | ♌ ♒         |

## Phases & Eclipses

| Lunar Phases |  | Day | Time    |
|--------------|--|-----|---------|
| ☉            |  | 4   | 4:15 PM |
| ☽            |  | 11  | 7:46 AM |
| ☽            |  | 19  | 3:58 AM |
| ☽            |  | 27  | 7:28 AM |

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| Solar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |

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| Lunar Eclipses |  | Day | Time    |
|----------------|--|-----|---------|
| P .2f          |  | 19  | 4:03 AM |

# December 2021 Sidereal Midnight Ephemeris

Time Zone: EST (05:00 East)

| Day   | ☉         | ☽         | +12 Hr    | True♊                | ♋                    | ♌                    | ♍                    | ♎                    | ♏                    | ♐                    | ♑                    | ♒                    | ♓ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|-------|-----------|-----------|-----------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 We | 15 ♌ 0302 | 01 ♎ 3918 | 08 ♎ 5602 | 07 ♋ 34 <sub>D</sub> | 16 ♌ 10 <sub>D</sub> | 26 ♋ 27 <sub>D</sub> | 27 ♎ 22 <sub>D</sub> | 01 ♎ 15 <sub>D</sub> | 14 ♋ 50 <sub>D</sub> | 17 ♋ 36 <sub>R</sub> | 26 ♎ 15 <sub>R</sub> | 00 ♋ 53 <sub>D</sub> |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 02 Th | 16 0352   | 16 1829   | 23 4558   | 07 35                | 17 45                | 27 01                | 28 03                | 01 23                | 14 54                | 17 34                | 26 15 <sub>D</sub>   | 00 54                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 03 Fr | 17 0444   | 01 ♌ 1735 | 08 ♌ 5220 | 07 35                | 19 19                | 27 34                | 28 45                | 01 31                | 14 59                | 17 32                | 26 15                | 00 56                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 04 Sa | 18 0537   | 16 2901   | 24 0627   | 07 35 <sub>R</sub>   | 20 53                | 28 06                | 29 26                | 01 40                | 15 04                | 17 30                | 26 15                | 00 58                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 05 Su | 19 0631   | 01 ♋ 4320 | 09 ♋ 1825 | 07 34                | 22 27                | 28 36                | 00 ♌ 08              | 01 48                | 15 09                | 17 28                | 26 15                | 00 59                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 06 Mo | 20 0725   | 16 5032   | 24 1836   | 07 33                | 24 01                | 29 05                | 00 49                | 01 57                | 15 14                | 17 26                | 26 15                | 01 01                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 07 Tu | 21 0821   | 01 ♋ 4140 | 08 ♋ 5900 | 07 31                | 25 35                | 29 32                | 01 31                | 02 06                | 15 19                | 17 24                | 26 15                | 01 02                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 08 We | 22 0918   | 16 1001   | 23 1420   | 07 29                | 27 09                | 29 57                | 02 13                | 02 15                | 15 24                | 17 22                | 26 15                | 01 04                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 09 Th | 23 1015   | 00 ♎ 1146 | 07 ♎ 0216 | 07 28                | 28 43                | 00 ♋ 20              | 02 55                | 02 24                | 15 30                | 17 20                | 26 16                | 01 05                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 10 Fr | 24 1113   | 13 4558   | 20 2305   | 07 27                | 00 ♋ 17              | 00 41                | 03 36                | 02 33                | 15 35                | 17 18                | 26 16                | 01 07                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 11 Sa | 25 1211   | 26 5358   | 03 ♋ 1902 | 07 26 <sub>D</sub>   | 01 51                | 01 01                | 04 18                | 02 42                | 15 40                | 17 16                | 26 16                | 01 09                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 12 Su | 26 1310   | 09 ♋ 3846 | 15 5340   | 07 27                | 03 26                | 01 18                | 05 00                | 02 52                | 15 46                | 17 14                | 26 17                | 01 10                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 13 Mo | 27 1410   | 22 0416   | 28 1105   | 07 28                | 05 00                | 01 34                | 05 42                | 03 01                | 15 51                | 17 13                | 26 17                | 01 12                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 14 Tu | 28 1510   | 04 ♋ 1440 | 10 ♋ 1530 | 07 30                | 06 34                | 01 47                | 06 24                | 03 11                | 15 57                | 17 11                | 26 17                | 01 14                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 15 We | 29 1611   | 16 1407   | 22 1057   | 07 32                | 08 09                | 01 58                | 07 06                | 03 21                | 16 02                | 17 09                | 26 18                | 01 16                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 16 Th | 00 ♋ 1712 | 28 0626   | 04 ♋ 0059 | 07 33                | 09 43                | 02 07                | 07 48                | 03 31                | 16 08                | 17 08                | 26 18                | 01 17                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 17 Fr | 01 1814   | 09 ♋ 5457 | 15 4841   | 07 33 <sub>R</sub>   | 11 17                | 02 14                | 08 30                | 03 41                | 16 14                | 17 06                | 26 19                | 01 19                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 18 Sa | 02 1916   | 21 4229   | 27 3639   | 07 32                | 12 52                | 02 18                | 09 12                | 03 51                | 16 19                | 17 04                | 26 19                | 01 21                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 19 Su | 03 2019   | 03 ♌ 3125 | 09 ♌ 2702 | 07 30                | 14 26                | 02 20                | 09 54                | 04 02                | 16 25                | 17 03                | 26 20                | 01 23                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 20 Mo | 04 2123   | 15 2345   | 21 2146   | 07 26                | 16 00                | 02 19 <sub>R</sub>   | 10 36                | 04 12                | 16 31                | 17 01                | 26 21                | 01 24                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 21 Tu | 05 2227   | 27 2118   | 03 ♌ 2235 | 07 22                | 17 35                | 02 16                | 11 18                | 04 22                | 16 37                | 17 00                | 26 21                | 01 26                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 22 We | 06 2331   | 09 ♌ 2550 | 15 3119   | 07 16                | 19 09                | 02 10                | 12 01                | 04 33                | 16 43                | 16 59                | 26 22                | 01 28                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 23 Th | 07 2437   | 21 3916   | 27 5000   | 07 11                | 20 43                | 02 02                | 12 43                | 04 44                | 16 49                | 16 57                | 26 23                | 01 30                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 24 Fr | 08 2543   | 04 ♋ 0346 | 10 ♋ 2056 | 07 06                | 22 16                | 01 52                | 13 25                | 04 55                | 16 55                | 16 56                | 26 23                | 01 32                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 25 Sa | 09 2649   | 16 4149   | 23 0647   | 07 03                | 23 50                | 01 38                | 14 08                | 05 06                | 17 01                | 16 55                | 26 24                | 01 34                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 26 Su | 10 2757   | 29 3610   | 06 ♌ 1019 | 07 00                | 25 22                | 01 23                | 14 50                | 05 17                | 17 08                | 16 54                | 26 25                | 01 35                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 27 Mo | 11 2905   | 12 ♌ 4936 | 19 3418   | 07 00 <sub>D</sub>   | 26 54                | 01 05                | 15 32                | 05 28                | 17 14                | 16 52                | 26 26                | 01 37                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 28 Tu | 12 3013   | 26 2439   | 03 ♎ 2052 | 07 01                | 28 26                | 00 45                | 16 15                | 05 39                | 17 20                | 16 51                | 26 27                | 01 39                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 29 We | 13 3122   | 10 ♎ 2300 | 17 3102   | 07 02                | 29 56                | 00 22                | 16 57                | 05 51                | 17 27                | 16 50                | 26 28                | 01 41                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 30 Th | 14 3232   | 24 4447   | 02 ♌ 0356 | 07 03                | 01 ♋ 25              | 29 ♋ 57              | 17 40                | 06 02                | 17 33                | 16 49                | 26 29                | 01 43                |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 31 Fr | 15 3341   | 09 ♌ 2757 | 16 5611   | 07 04 <sub>R</sub>   | 02 53                | 29 31                | 18 23                | 06 14                | 17 39                | 16 48                | 26 30                | 01 45                |   |   |   |   |   |   |   |   |   |   |   |   |   |

## Planetary Data

| Ingresses |   | Day | Time    |
|-----------|---|-----|---------|
| ♂ ♌       |   | 4   | 7:28 PM |
| ♀ ♋       |   | 8   | 3:21 AM |
| ♀ ♋       | ♋ | 9   | 7:35 PM |
| ☉ ♋       | ♋ | 15  | 5:14 PM |
| ♀ ♋       | ♋ | 29  | 1:00 AM |
| ♀ ♋       | ♋ | 29  | 9:29 PM |

  

| Stations       |  | Day | Time    |
|----------------|--|-----|---------|
| ♃ <sub>D</sub> |  | 1   | 8:10 AM |
| ♃ <sub>R</sub> |  | 19  | 5:34 AM |

## Lunar Ingresses & Void Moons

| Ingresses |  | Day | Time     |
|-----------|--|-----|----------|
| ♃         |  | 28  | 5:34 PM  |
| ♃         |  | 30  | 9:15 PM  |
| ♌         |  | 2   | 9:57 PM  |
| ♋         |  | 4   | 9:17 PM  |
| ♋         |  | 6   | 9:14 PM  |
| ♎         |  | 8   | 11:39 PM |
| ♋         |  | 11  | 5:47 AM  |
| ♋         |  | 13  | 3:35 PM  |
| ♋         |  | 16  | 3:51 AM  |
| ♌         |  | 18  | 4:52 PM  |
| ♌         |  | 21  | 5:17 AM  |
| ♌         |  | 23  | 4:12 PM  |
| ♃         |  | 26  | 12:44 AM |
| ♃         |  | 28  | 6:13 AM  |
| ♌         |  | 30  | 8:38 AM  |

  

| Void Times |          | Day | Time | Last Aspect |
|------------|----------|-----|------|-------------|
| 30         | 2:56 PM  | □   | ♀    |             |
| 2          | 7:45 PM  | ♀   | ♂    |             |
| 4          | 3:23 PM  | □   | ♃    |             |
| 6          | 8:22 PM  | ♀   | ♀    |             |
| 8          | 9:07 PM  | ✕   | ♀    |             |
| 10         | 10:49 PM | ♀   | ♃    |             |
| 13         | 11:04 AM | △   | ☉    |             |
| 15         | 8:21 PM  | ✕   | ♃    |             |
| 18         | 9:24 AM  | □   | ♃    |             |
| 20         | 10:00 PM | △   | ♃    |             |
| 22         | 2:50 PM  | □   | ♃    |             |
| 25         | 6:08 PM  | ♂   | ♃    |             |
| 28         | 3:57 AM  | □   | ♀    |             |
| 30         | 8:18 AM  | ✕   | ♀    |             |

## Phases & Eclipses

| Lunar Phases |         | Day | Time     |
|--------------|---------|-----|----------|
| ●            | 18 ♌ 13 | 4   | 2:43 AM  |
| ☾            | 25 ♎ 04 | 10  | 8:36 PM  |
| ○            | 03 ♌ 19 | 18  | 11:36 PM |
| ☾            | 11 ♃ 22 | 26  | 9:24 PM  |

  

| Solar Eclipses |        | Day | Time    |
|----------------|--------|-----|---------|
|                | T 1'54 | 4   | 2:33 AM |

  

| Lunar Eclipses |  | Day | Time |
|----------------|--|-----|------|
| ~ None ~       |  |     |      |