



## Ephemeriden für Sternfreunde

von Karl-Heinz Bücke

### Jupiter

Januar 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_A$ | $\varnothing_P$ | $D_S$ | $D_E$ | $q$  | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|-----------------|-----------------|-------|-------|------|------|------|------|
| 1   | 2:13     | 12.2     | 4.48     | 10.3      | -2.2  | 44.0"           | 41.1"           | 3.1   | 3.1   | 0.4" | 45.4 | -1.1 | 4.98 |
| 5   | 2:13     | 12.3     | 4.54     | 10.6      | -2.2  | 43.4"           | 40.5"           | 3.1   | 3.1   | 0.4" | 45.8 | -1.1 | 4.98 |
| 9   | 2:13     | 12.3     | 4.60     | 10.8      | -2.1  | 42.8"           | 39.9"           | 3.1   | 3.1   | 0.4" | 46.2 | -1.1 | 4.98 |
| 13  | 2:14     | 12.4     | 4.66     | 11.1      | -2.1  | 42.2"           | 39.4"           | 3.1   | 3.0   | 0.4" | 46.5 | -1.1 | 4.99 |
| 17  | 2:14     | 12.4     | 4.73     | 11.2      | -2.1  | 41.7"           | 38.9"           | 3.1   | 3.0   | 0.4" | 46.9 | -1.0 | 4.99 |
| 21  | 2:15     | 12.5     | 4.79     | 11.3      | -2.0  | 41.1"           | 38.4"           | 3.1   | 3.0   | 0.4" | 47.3 | -1.0 | 4.99 |
| 25  | 2:17     | 12.6     | 4.85     | 11.4      | -2.0  | 40.6"           | 37.9"           | 3.1   | 3.0   | 0.4" | 47.6 | -1.0 | 4.99 |
| 29  | 2:18     | 12.7     | 4.92     | 11.4      | -2.0  | 40.0"           | 37.3"           | 3.1   | 3.0   | 0.4" | 48.0 | -1.0 | 4.99 |

Februar 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_A$ | $\varnothing_P$ | $D_S$ | $D_E$ | $q$  | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|-----------------|-----------------|-------|-------|------|------|------|------|
| 1   | 2:19     | 12.8     | 4.97     | 11.4      | -2.0  | 39.7"           | 37.1"           | 3.1   | 3.0   | 0.4" | 48.2 | -1.0 | 4.99 |
| 5   | 2:21     | 13.0     | 5.03     | 11.3      | -1.9  | 39.1"           | 36.5"           | 3.1   | 3.0   | 0.4" | 48.6 | -1.0 | 4.99 |
| 9   | 2:23     | 13.1     | 5.09     | 11.2      | -1.9  | 38.7"           | 36.1"           | 3.1   | 3.0   | 0.4" | 49.0 | -1.0 | 4.99 |
| 13  | 2:25     | 13.3     | 5.16     | 11.0      | -1.9  | 38.2"           | 35.7"           | 3.1   | 2.9   | 0.4" | 49.3 | -1.0 | 4.99 |
| 17  | 2:27     | 13.5     | 5.22     | 10.8      | -1.9  | 37.7"           | 35.2"           | 3.1   | 2.9   | 0.3" | 49.7 | -1.0 | 4.99 |
| 21  | 2:29     | 13.7     | 5.28     | 10.6      | -1.8  | 37.3"           | 34.8"           | 3.1   | 2.9   | 0.3" | 50.0 | -1.0 | 4.99 |
| 25  | 2:32     | 13.9     | 5.34     | 10.3      | -1.8  | 36.9"           | 34.4"           | 3.1   | 2.9   | 0.3" | 50.4 | -1.0 | 4.99 |
| 29  | 2:34     | 14.1     | 5.40     | 10.0      | -1.8  | 36.5"           | 34.1"           | 3.1   | 2.9   | 0.3" | 50.8 | -1.0 | 5.00 |

März 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_A$ | $\varnothing_P$ | $D_S$ | $D_E$ | $q$  | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|-----------------|-----------------|-------|-------|------|------|------|------|
| 1   | 2:35     | 14.2     | 5.41     | 9.9       | -1.8  | 36.4"           | 34.0"           | 3.1   | 2.9   | 0.3" | 50.9 | -1.0 | 5.00 |
| 5   | 2:38     | 14.4     | 5.47     | 9.6       | -1.7  | 36.0"           | 33.6"           | 3.1   | 2.9   | 0.3" | 51.2 | -1.0 | 5.00 |
| 9   | 2:40     | 14.6     | 5.52     | 9.2       | -1.7  | 35.7"           | 33.3"           | 3.1   | 2.9   | 0.2" | 51.6 | -1.0 | 5.00 |
| 13  | 2:43     | 14.8     | 5.57     | 8.8       | -1.7  | 35.4"           | 33.0"           | 3.1   | 2.9   | 0.2" | 51.9 | -1.0 | 5.00 |
| 17  | 2:46     | 15.1     | 5.62     | 8.4       | -1.7  | 35.0"           | 32.7"           | 3.1   | 2.9   | 0.2" | 52.3 | -1.0 | 5.00 |
| 21  | 2:50     | 15.3     | 5.67     | 8.0       | -1.7  | 34.8"           | 32.5"           | 3.1   | 2.9   | 0.2" | 52.7 | -1.0 | 5.00 |
| 25  | 2:53     | 15.6     | 5.71     | 7.5       | -1.7  | 34.5"           | 32.2"           | 3.1   | 2.9   | 0.1" | 53.0 | -1.0 | 5.00 |
| 29  | 2:56     | 15.8     | 5.75     | 7.0       | -1.6  | 34.2"           | 31.9"           | 3.1   | 2.9   | 0.1" | 53.4 | -1.0 | 5.00 |

April 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_A$ | $\varnothing_P$ | $D_S$ | $D_E$ | $q$  | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|-----------------|-----------------|-------|-------|------|------|------|------|
| 1   | 2:59     | 16.0     | 5.78     | 6.7       | -1.6  | 34.1"           | 31.8"           | 3.1   | 2.9   | 0.1" | 53.6 | -0.9 | 5.00 |
| 5   | 3:02     | 16.2     | 5.82     | 6.2       | -1.6  | 33.9"           | 31.6"           | 3.1   | 2.9   | 0.1" | 54.0 | -0.9 | 5.00 |
| 9   | 3:06     | 16.5     | 5.85     | 5.6       | -1.6  | 33.7"           | 31.5"           | 3.1   | 2.9   | 0.1" | 54.4 | -0.9 | 5.00 |
| 13  | 3:09     | 16.7     | 5.88     | 5.1       | -1.6  | 33.5"           | 31.3"           | 3.1   | 2.9   | 0.1" | 54.7 | -0.9 | 5.01 |
| 17  | 3:13     | 17.0     | 5.91     | 4.6       | -1.6  | 33.3"           | 31.1"           | 3.1   | 2.9   | 0.1" | 55.1 | -0.9 | 5.01 |
| 21  | 3:17     | 17.2     | 5.94     | 4.0       | -1.6  | 33.2"           | 31.0"           | 3.1   | 2.9   | 0.0" | 55.4 | -0.9 | 5.01 |
| 25  | 3:20     | 17.5     | 5.96     | 3.4       | -1.6  | 33.1"           | 30.9"           | 3.1   | 2.9   | 0.0" | 55.8 | -0.9 | 5.01 |
| 29  | 3:24     | 17.7     | 5.98     | 2.9       | -1.5  | 32.9"           | 30.7"           | 3.1   | 2.9   | 0.0" | 56.2 | -0.9 | 5.01 |

Mai 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$  | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|------|------|------|------|
| 1   | 3:26     | 17.8     | 5.99     | 2.6       | -1.5  | 32.9"                     | 30.7"           | 3.1   | 2.9   | 0.0" | 56.3 | -0.9 | 5.01 |
| 5   | 3:30     | 18.1     | 6.00     | 2.0       | -1.5  | 32.8"                     | 30.6"           | 3.1   | 2.9   | 0.0" | 56.7 | -0.9 | 5.01 |
| 9   | 3:34     | 18.3     | 6.01     | 1.4       | -1.5  | 32.8"                     | 30.6"           | 3.1   | 2.9   | 0.0" | 57.0 | -0.9 | 5.01 |
| 13  | 3:37     | 18.5     | 6.02     | 0.8       | -1.5  | 32.7"                     | 30.5"           | 3.1   | 2.9   | 0.0" | 57.4 | -0.9 | 5.01 |
| 17  | 3:41     | 18.7     | 6.02     | 0.3       | -1.5  | 32.7"                     | 30.5"           | 3.1   | 2.9   | 0.0" | 57.8 | -0.9 | 5.01 |
| 21  | 3:45     | 19.0     | 6.03     | 0.3       | -1.5  | 32.7"                     | 30.5"           | 3.1   | 2.9   | 0.0" | 58.1 | -0.9 | 5.01 |
| 25  | 3:49     | 19.2     | 6.02     | 0.9       | -1.5  | 32.7"                     | 30.5"           | 3.1   | 2.9   | 0.0" | 58.5 | -0.9 | 5.02 |
| 29  | 3:53     | 19.4     | 6.02     | 1.5       | -1.5  | 32.7"                     | 30.5"           | 3.1   | 2.9   | 0.0" | 58.8 | -0.9 | 5.02 |

Juni 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$   | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|-------|------|------|------|
| 1   | 3:56     | 19.5     | 6.01     | 1.9       | -1.5  | 32.7"                     | 30.5"           | 3.1   | 2.9   | 0.0"  | 59.1 | -0.9 | 5.02 |
| 5   | 4:00     | 19.7     | 6.00     | 2.5       | -1.5  | 32.8"                     | 30.6"           | 3.0   | 2.9   | 0.0"  | 59.5 | -0.9 | 5.02 |
| 9   | 4:04     | 19.9     | 5.99     | 3.1       | -1.5  | 32.9"                     | 30.7"           | 3.0   | 2.9   | 0.0"  | 59.8 | -0.8 | 5.02 |
| 13  | 4:07     | 20.1     | 5.97     | 3.6       | -1.5  | 33.0"                     | 30.8"           | 3.0   | 2.9   | 0.0"  | 60.2 | -0.8 | 5.02 |
| 17  | 4:11     | 20.3     | 5.95     | 4.2       | -1.6  | 33.1"                     | 30.9"           | 3.0   | 2.9   | 0.0"  | 60.5 | -0.8 | 5.02 |
| 21  | 4:15     | 20.4     | 5.93     | 4.7       | -1.6  | 33.2"                     | 31.0"           | 3.0   | 2.9   | -0.1" | 60.9 | -0.8 | 5.02 |
| 25  | 4:19     | 20.6     | 5.91     | 5.3       | -1.6  | 33.3"                     | 31.1"           | 3.0   | 2.9   | -0.1" | 61.2 | -0.8 | 5.02 |
| 29  | 4:22     | 20.7     | 5.88     | 5.8       | -1.6  | 33.5"                     | 31.3"           | 3.0   | 2.9   | -0.1" | 61.6 | -0.8 | 5.02 |

Juli 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$   | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|-------|------|------|------|
| 1   | 4:24     | 20.8     | 5.86     | 6.1       | -1.6  | 33.6"                     | 31.4"           | 3.0   | 2.9   | -0.1" | 61.8 | -0.8 | 5.03 |
| 5   | 4:28     | 21.0     | 5.83     | 6.6       | -1.6  | 33.8"                     | 31.5"           | 3.0   | 2.9   | -0.1" | 62.1 | -0.8 | 5.03 |
| 9   | 4:31     | 21.1     | 5.80     | 7.1       | -1.6  | 34.0"                     | 31.7"           | 3.0   | 2.9   | -0.1" | 62.5 | -0.8 | 5.03 |
| 13  | 4:35     | 21.2     | 5.76     | 7.5       | -1.6  | 34.2"                     | 31.9"           | 3.0   | 2.9   | -0.1" | 62.8 | -0.8 | 5.03 |
| 17  | 4:38     | 21.3     | 5.72     | 8.0       | -1.6  | 34.4"                     | 32.1"           | 3.0   | 2.9   | -0.2" | 63.2 | -0.8 | 5.03 |
| 21  | 4:42     | 21.4     | 5.68     | 8.4       | -1.7  | 34.7"                     | 32.4"           | 3.0   | 2.9   | -0.2" | 63.6 | -0.8 | 5.03 |
| 25  | 4:45     | 21.6     | 5.63     | 8.8       | -1.7  | 35.0"                     | 32.7"           | 3.0   | 2.9   | -0.2" | 63.9 | -0.8 | 5.03 |
| 29  | 4:48     | 21.7     | 5.59     | 9.2       | -1.7  | 35.3"                     | 32.9"           | 3.0   | 2.9   | -0.2" | 64.3 | -0.8 | 5.03 |

August 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$   | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|-------|------|------|------|
| 1   | 4:51     | 21.7     | 5.55     | 9.5       | -1.7  | 35.5"                     | 33.1"           | 3.0   | 2.9   | -0.2" | 64.5 | -0.8 | 5.03 |
| 5   | 4:54     | 21.8     | 5.50     | 9.8       | -1.7  | 35.8"                     | 33.4"           | 3.0   | 2.9   | -0.3" | 64.9 | -0.8 | 5.03 |
| 9   | 4:56     | 21.9     | 5.45     | 10.2      | -1.7  | 36.2"                     | 33.8"           | 3.0   | 2.9   | -0.3" | 65.2 | -0.8 | 5.04 |
| 13  | 4:59     | 22.0     | 5.39     | 10.4      | -1.8  | 36.5"                     | 34.1"           | 3.0   | 2.9   | -0.3" | 65.6 | -0.7 | 5.04 |
| 17  | 5:02     | 22.0     | 5.34     | 10.7      | -1.8  | 36.9"                     | 34.4"           | 3.0   | 2.9   | -0.3" | 65.9 | -0.7 | 5.04 |
| 21  | 5:04     | 22.1     | 5.28     | 10.9      | -1.8  | 37.3"                     | 34.8"           | 2.9   | 2.9   | -0.3" | 66.3 | -0.7 | 5.04 |
| 25  | 5:07     | 22.2     | 5.22     | 11.1      | -1.8  | 37.7"                     | 35.2"           | 2.9   | 2.9   | -0.4" | 66.7 | -0.7 | 5.04 |
| 29  | 5:09     | 22.2     | 5.16     | 11.3      | -1.9  | 38.1"                     | 35.6"           | 2.9   | 2.9   | -0.4" | 67.0 | -0.7 | 5.04 |

September 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$   | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|-------|------|------|------|
| 1   | 5:10     | 22.2     | 5.12     | 11.4      | -1.9  | 38.5"                     | 35.9"           | 2.9   | 2.9   | -0.4" | 67.3 | -0.7 | 5.04 |
| 5   | 5:12     | 22.3     | 5.06     | 11.5      | -1.9  | 38.9"                     | 36.3"           | 2.9   | 2.9   | -0.4" | 67.6 | -0.7 | 5.04 |
| 9   | 5:14     | 22.3     | 5.00     | 11.5      | -1.9  | 39.4"                     | 36.8"           | 2.9   | 2.9   | -0.4" | 68.0 | -0.7 | 5.04 |
| 13  | 5:15     | 22.4     | 4.94     | 11.5      | -1.9  | 39.9"                     | 37.2"           | 2.9   | 2.9   | -0.4" | 68.3 | -0.7 | 5.05 |
| 17  | 5:17     | 22.4     | 4.88     | 11.5      | -2.0  | 40.4"                     | 37.7"           | 2.9   | 2.9   | -0.4" | 68.7 | -0.7 | 5.05 |
| 21  | 5:18     | 22.4     | 4.81     | 11.4      | -2.0  | 40.9"                     | 38.2"           | 2.9   | 2.9   | -0.4" | 69.0 | -0.7 | 5.05 |
| 25  | 5:19     | 22.4     | 4.75     | 11.2      | -2.0  | 41.4"                     | 38.6"           | 2.9   | 2.9   | -0.4" | 69.4 | -0.7 | 5.05 |
| 29  | 5:20     | 22.5     | 4.70     | 11.0      | -2.1  | 41.9"                     | 39.1"           | 2.9   | 2.9   | -0.4" | 69.7 | -0.7 | 5.05 |

Oktober 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$   | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|-------|------|------|------|
| 1   | 5:20     | 22.5     | 4.67     | 10.9      | -2.1  | 42.2"                     | 39.4"           | 2.9   | 2.9   | -0.4" | 69.9 | -0.7 | 5.05 |
| 5   | 5:20     | 22.5     | 4.61     | 10.6      | -2.1  | 42.7"                     | 39.9"           | 2.9   | 2.9   | -0.4" | 70.3 | -0.7 | 5.05 |
| 9   | 5:20     | 22.5     | 4.55     | 10.3      | -2.1  | 43.3"                     | 40.4"           | 2.9   | 2.9   | -0.4" | 70.6 | -0.6 | 5.05 |
| 13  | 5:20     | 22.5     | 4.50     | 10.0      | -2.1  | 43.8"                     | 40.9"           | 2.9   | 2.9   | -0.3" | 71.0 | -0.6 | 5.06 |
| 17  | 5:20     | 22.5     | 4.45     | 9.5       | -2.2  | 44.3"                     | 41.3"           | 2.8   | 2.9   | -0.3" | 71.3 | -0.6 | 5.06 |
| 21  | 5:19     | 22.5     | 4.40     | 9.0       | -2.2  | 44.8"                     | 41.8"           | 2.8   | 2.9   | -0.3" | 71.7 | -0.6 | 5.06 |
| 25  | 5:19     | 22.5     | 4.35     | 8.5       | -2.2  | 45.3"                     | 42.3"           | 2.8   | 2.9   | -0.2" | 72.0 | -0.6 | 5.06 |
| 29  | 5:17     | 22.5     | 4.30     | 7.9       | -2.2  | 45.7"                     | 42.7"           | 2.8   | 2.9   | -0.2" | 72.4 | -0.6 | 5.06 |

November 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$   | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|-------|------|------|------|
| 1   | 5:17     | 22.5     | 4.27     | 7.5       | -2.3  | 46.1"                     | 43.0"           | 2.8   | 2.9   | -0.2" | 72.6 | -0.6 | 5.06 |
| 5   | 5:15     | 22.4     | 4.24     | 6.8       | -2.3  | 46.5"                     | 43.4"           | 2.8   | 2.9   | -0.2" | 73.0 | -0.6 | 5.06 |
| 9   | 5:14     | 22.4     | 4.20     | 6.1       | -2.3  | 46.9"                     | 43.8"           | 2.8   | 2.9   | -0.1" | 73.3 | -0.6 | 5.06 |
| 13  | 5:12     | 22.4     | 4.17     | 5.3       | -2.3  | 47.2"                     | 44.1"           | 2.8   | 2.9   | -0.1" | 73.7 | -0.6 | 5.06 |
| 17  | 5:10     | 22.4     | 4.15     | 4.5       | -2.3  | 47.5"                     | 44.3"           | 2.8   | 2.9   | -0.1" | 74.0 | -0.6 | 5.07 |
| 21  | 5:08     | 22.3     | 4.12     | 3.7       | -2.3  | 47.7"                     | 44.5"           | 2.8   | 2.9   | 0.0"  | 74.4 | -0.6 | 5.07 |
| 25  | 5:06     | 22.3     | 4.11     | 2.8       | -2.3  | 47.9"                     | 44.7"           | 2.8   | 2.9   | 0.0"  | 74.7 | -0.6 | 5.07 |
| 29  | 5:04     | 22.3     | 4.10     | 2.0       | -2.3  | 48.1"                     | 44.9"           | 2.8   | 2.9   | 0.0"  | 75.1 | -0.6 | 5.07 |

Dezember 2024 (0<sup>h</sup> UT)

| Tag | $\alpha$ | $\delta$ | $\Delta$ | $\varphi$ | $m_V$ | $\varnothing_{\tilde{A}}$ | $\varnothing_P$ | $D_s$ | $D_e$ | $q$  | $l$  | $b$  | $r$  |
|-----|----------|----------|----------|-----------|-------|---------------------------|-----------------|-------|-------|------|------|------|------|
| 1   | 5:02     | 22.2     | 4.09     | 1.5       | -2.3  | 48.1"                     | 44.9"           | 2.8   | 2.9   | 0.0" | 75.3 | -0.6 | 5.07 |
| 5   | 5:00     | 22.2     | 4.09     | 0.6       | -2.3  | 48.2"                     | 45.0"           | 2.7   | 2.9   | 0.0" | 75.6 | -0.5 | 5.07 |
| 9   | 4:58     | 22.1     | 4.09     | 0.3       | -2.3  | 48.2"                     | 45.0"           | 2.7   | 2.9   | 0.0" | 76.0 | -0.5 | 5.07 |
| 13  | 4:55     | 22.1     | 4.09     | 1.1       | -2.3  | 48.1"                     | 44.9"           | 2.7   | 2.9   | 0.0" | 76.3 | -0.5 | 5.07 |
| 17  | 4:53     | 22.0     | 4.11     | 2.0       | -2.3  | 48.0"                     | 44.8"           | 2.7   | 2.9   | 0.0" | 76.7 | -0.5 | 5.08 |
| 21  | 4:51     | 22.0     | 4.12     | 2.9       | -2.3  | 47.8"                     | 44.6"           | 2.7   | 2.8   | 0.0" | 77.0 | -0.5 | 5.08 |
| 25  | 4:49     | 21.9     | 4.14     | 3.7       | -2.3  | 47.6"                     | 44.4"           | 2.7   | 2.8   | 0.1" | 77.4 | -0.5 | 5.08 |
| 29  | 4:47     | 21.9     | 4.17     | 4.6       | -2.3  | 47.3"                     | 44.1"           | 2.7   | 2.8   | 0.1" | 77.7 | -0.5 | 5.08 |