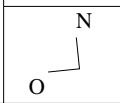
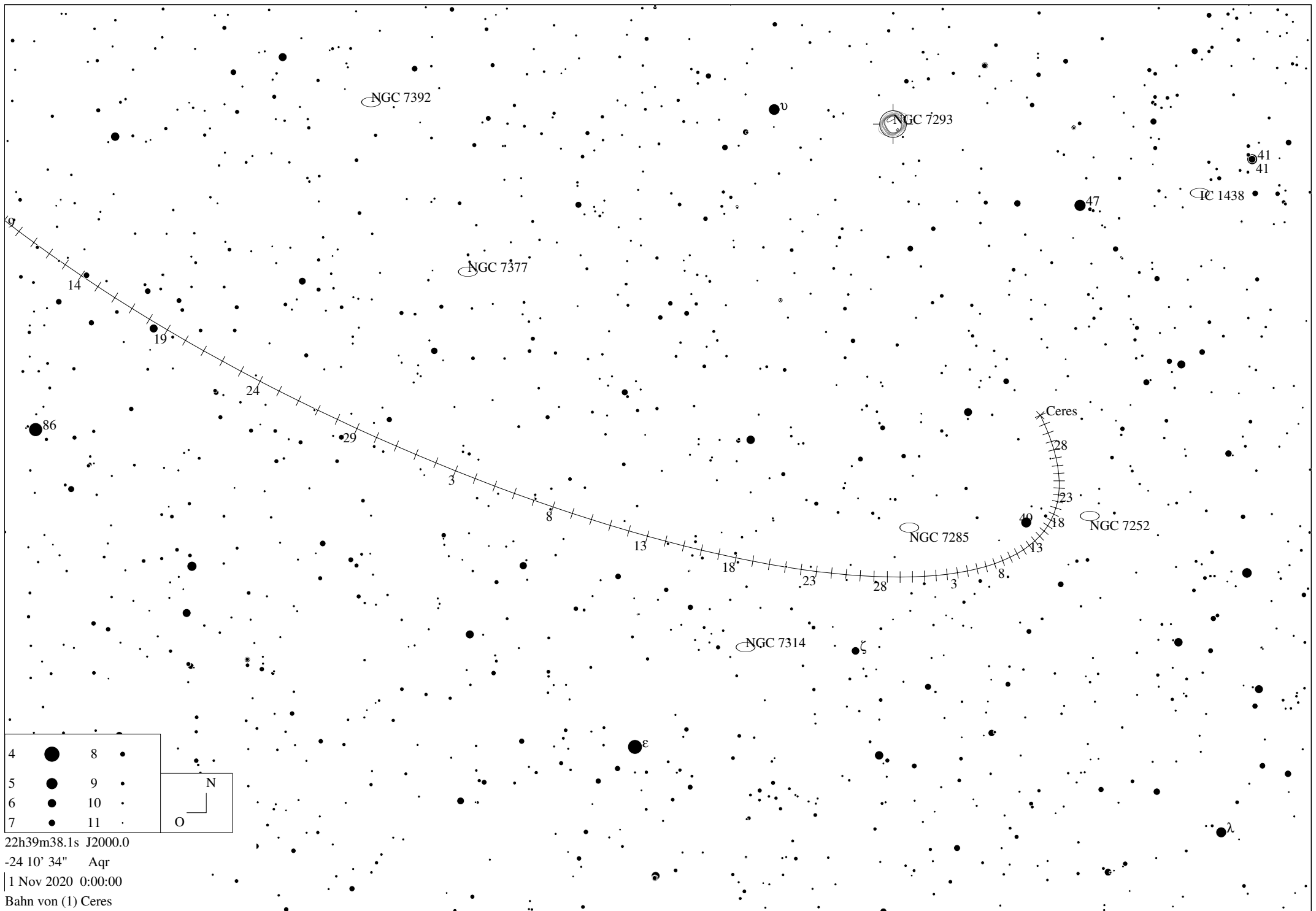


| | | | |
|---|---|----|---|
| 4 | ● | 8 | ● |
| 5 | ● | 9 | ● |
| 6 | ● | 10 | ● |
| 7 | ● | 11 | ● |





Ephemeride des Kleinplaneten (1) Ceres

| Datum | RA | Deklination | r | delta | mag | Elong | Phase | Höhe | Az. | Gesch. | PA | Stb |
|-------------|--------------|---------------|--------|--------|-----|-------|-------|-------|--------|--------|-------|-------|
| ----- | --- | ----- | - | ----- | --- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 15 Jun 2020 | 23h07m30.92s | -17 16' 36.3" | 2.9767 | 2.5839 | 8.8 | 102.7 | 19.4 | -1.51 | 116.44 | 20.54 | 99.4 | Aqr |
| 16 Jun 2020 | 23h08m04.80s | -17 17' 57.6" | 2.9769 | 2.5711 | 8.8 | 103.5 | 19.4 | -1.06 | 117.11 | 19.97 | 100.7 | Aqr |
| 17 Jun 2020 | 23h08m37.61s | -17 19' 27.0" | 2.9771 | 2.5583 | 8.8 | 104.3 | 19.3 | -0.62 | 117.79 | 19.39 | 102.0 | Aqr |
| 18 Jun 2020 | 23h09m09.34s | -17 21' 04.6" | 2.9772 | 2.5455 | 8.8 | 105.1 | 19.2 | -0.18 | 118.48 | 18.82 | 103.5 | Aqr |
| 19 Jun 2020 | 23h09m39.97s | -17 22' 50.4" | 2.9774 | 2.5328 | 8.8 | 106.0 | 19.2 | 0.26 | 119.17 | 18.26 | 105.0 | Aqr |
| 20 Jun 2020 | 23h10m09.50s | -17 24' 44.4" | 2.9775 | 2.5201 | 8.7 | 106.8 | 19.1 | 0.70 | 119.87 | 17.70 | 106.7 | Aqr |
| 21 Jun 2020 | 23h10m37.90s | -17 26' 46.8" | 2.9777 | 2.5075 | 8.7 | 107.7 | 19.0 | 1.13 | 120.57 | 17.15 | 108.4 | Aqr |
| 22 Jun 2020 | 23h11m05.16s | -17 28' 57.5" | 2.9778 | 2.4950 | 8.7 | 108.5 | 18.9 | 1.56 | 121.29 | 16.61 | 110.3 | Aqr |
| 23 Jun 2020 | 23h11m31.27s | -17 31' 16.6" | 2.9780 | 2.4826 | 8.7 | 109.4 | 18.8 | 1.99 | 122.01 | 16.08 | 112.4 | Aqr |
| 24 Jun 2020 | 23h11m56.22s | -17 33' 44.1" | 2.9781 | 2.4702 | 8.7 | 110.2 | 18.7 | 2.42 | 122.74 | 15.57 | 114.5 | Aqr |
| 25 Jun 2020 | 23h12m19.99s | -17 36' 20.0" | 2.9783 | 2.4579 | 8.7 | 111.1 | 18.6 | 2.84 | 123.47 | 15.08 | 116.9 | Aqr |
| 26 Jun 2020 | 23h12m42.58s | -17 39' 04.3" | 2.9784 | 2.4457 | 8.7 | 111.9 | 18.5 | 3.26 | 124.21 | 14.61 | 119.4 | Aqr |
| 27 Jun 2020 | 23h13m03.97s | -17 41' 57.0" | 2.9786 | 2.4335 | 8.6 | 112.8 | 18.3 | 3.67 | 124.96 | 14.16 | 122.1 | Aqr |
| 28 Jun 2020 | 23h13m24.16s | -17 44' 58.1" | 2.9787 | 2.4215 | 8.6 | 113.7 | 18.2 | 4.08 | 125.72 | 13.70 | 124.9 | Aqr |
| 29 Jun 2020 | 23h13m43.12s | -17 48' 07.6" | 2.9788 | 2.4095 | 8.6 | 114.5 | 18.1 | 4.49 | 126.49 | 13.35 | 128.0 | Aqr |
| 30 Jun 2020 | 23h14m00.86s | -17 51' 25.5" | 2.9790 | 2.3976 | 8.6 | 115.4 | 18.0 | 4.89 | 127.26 | 13.00 | 131.2 | Aqr |
| 1 Jul 2020 | 23h14m17.36s | -17 54' 51.8" | 2.9791 | 2.3859 | 8.6 | 116.3 | 17.8 | 5.29 | 128.04 | 12.68 | 134.6 | Aqr |
| 2 Jul 2020 | 23h14m56.22s | -17 58' 26.3" | 2.9792 | 2.3742 | 8.6 | 117.2 | 17.7 | 5.68 | 128.83 | 12.41 | 138.2 | Aqr |
| 3 Jul 2020 | 23h14m46.59s | -18 02' 09.2" | 2.9794 | 2.3627 | 8.6 | 118.1 | 17.5 | 6.07 | 129.63 | 12.18 | 142.0 | Aqr |
| 4 Jul 2020 | 23h14m59.31s | -18 06' 00.3" | 2.9795 | 2.3512 | 8.5 | 119.0 | 17.4 | 6.46 | 130.44 | 12.01 | 145.9 | Aqr |
| 5 Jul 2020 | 23h15m10.75s | -18 09' 59.7" | 2.9796 | 2.3399 | 8.5 | 119.9 | 17.2 | 6.84 | 131.26 | 11.88 | 149.9 | Aqr |
| 6 Jul 2020 | 23h15m20.89s | -18 14' 07.2" | 2.9797 | 2.3286 | 8.5 | 120.8 | 17.0 | 7.21 | 132.08 | 11.81 | 154.0 | Aqr |
| 7 Jul 2020 | 23h15m29.73s | -18 18' 22.9" | 2.9798 | 2.3175 | 8.5 | 121.7 | 16.9 | 7.58 | 132.91 | 11.80 | 158.2 | Aqr |
| 8 Jul 2020 | 23h15m37.25s | -18 22' 46.6" | 2.9799 | 2.3065 | 8.5 | 122.6 | 16.7 | 7.94 | 133.75 | 11.85 | 162.4 | Aqr |
| 9 Jul 2020 | 23h15m43.45s | -18 27' 18.4" | 2.9800 | 2.2957 | 8.5 | 123.5 | 16.5 | 8.30 | 134.60 | 11.95 | 166.5 | Aqr |
| 10 Jul 2020 | 23h15m48.30s | -18 31' 58.1" | 2.9802 | 2.2849 | 8.4 | 124.4 | 16.3 | 8.65 | 135.46 | 12.11 | 170.6 | Aqr |
| 11 Jul 2020 | 23h15m51.81s | -18 36' 45.7" | 2.9803 | 2.2743 | 8.4 | 125.4 | 16.2 | 9.00 | 136.33 | 12.33 | 174.6 | Aqr |
| 12 Jul 2020 | 23h15m53.95s | -18 41' 41.1" | 2.9804 | 2.2639 | 8.4 | 126.3 | 16.0 | 9.34 | 137.21 | 12.60 | 178.4 | Aqr |
| 13 Jul 2020 | 23h15m54.73s | -18 46' 44.1" | 2.9805 | 2.2536 | 8.4 | 127.2 | 15.8 | 9.67 | 138.09 | 12.92 | 182.1 | Aqr |
| 14 Jul 2020 | 23h15m54.13s | -18 51' 54.7" | 2.9806 | 2.2434 | 8.4 | 128.2 | 15.6 | 9.99 | 138.99 | 13.28 | 185.6 | Aqr |
| 15 Jul 2020 | 23h15m52.15s | -18 57' 12.7" | 2.9806 | 2.2333 | 8.4 | 129.1 | 15.3 | 10.31 | 139.89 | 13.69 | 188.9 | Aqr |
| 16 Jul 2020 | 23h15m48.78s | -19 02' 37.9" | 2.9807 | 2.2235 | 8.3 | 130.0 | 15.1 | 10.62 | 140.80 | 14.13 | 192.1 | Aqr |
| 17 Jul 2020 | 23h15m44.02s | -19 08' 10.3" | 2.9808 | 2.2138 | 8.3 | 131.0 | 14.9 | 10.93 | 141.73 | 14.61 | 195.0 | Aqr |
| 18 Jul 2020 | 23h15m37.85s | -19 13' 49.6" | 2.9809 | 2.2042 | 8.3 | 131.9 | 14.7 | 11.22 | 142.66 | 15.12 | 197.8 | Aqr |
| 19 Jul 2020 | 23h15m30.28s | -19 19' 35.7" | 2.9810 | 2.1948 | 8.3 | 132.9 | 14.5 | 11.51 | 143.60 | 15.65 | 200.4 | Aqr |
| 20 Jul 2020 | 23h15m21.31s | -19 25' 28.3" | 2.9811 | 2.1856 | 8.3 | 133.8 | 14.2 | 11.79 | 144.55 | 16.21 | 202.8 | Aqr |
| 21 Jul 2020 | 23h15m10.94s | -19 31' 27.3" | 2.9812 | 2.1765 | 8.3 | 134.8 | 14.0 | 12.06 | 145.50 | 16.78 | 205.1 | Aqr |
| 22 Jul 2020 | 23h14m59.16s | -19 37' 32.4" | 2.9812 | 2.1677 | 8.2 | 135.8 | 13.8 | 12.32 | 146.47 | 17.37 | 207.2 | Aqr |
| 23 Jul 2020 | 23h14m45.98s | -19 43' 43.4" | 2.9813 | 2.1590 | 8.2 | 136.7 | 13.5 | 12.58 | 147.45 | 17.96 | 209.2 | Aqr |
| 24 Jul 2020 | 23h14m31.41s | -19 50' 00.0" | 2.9814 | 2.1505 | 8.2 | 137.7 | 13.3 | 12.82 | 148.43 | 18.57 | 211.1 | Aqr |
| 25 Jul 2020 | 23h14m15.46s | -19 56' 22.0" | 2.9814 | 2.1422 | 8.2 | 138.7 | 13.0 | 13.06 | 149.42 | 19.18 | 212.8 | Aqr |
| 26 Jul 2020 | 23h13m58.12s | -20 02' 49.0" | 2.9815 | 2.1341 | 8.2 | 139.6 | 12.7 | 13.28 | 150.42 | 19.80 | 214.5 | Aqr |
| 27 Jul 2020 | 23h13m39.42s | -20 09' 20.9" | 2.9816 | 2.1262 | 8.2 | 140.6 | 12.5 | 13.50 | 151.43 | 20.42 | 216.0 | Aqr |
| 28 Jul 2020 | 23h13m19.35s | -20 15' 57.2" | 2.9816 | 2.1185 | 8.1 | 141.6 | 12.2 | 13.70 | 152.45 | 21.03 | 217.5 | Aqr |
| 29 Jul 2020 | 23h12m57.94s | -20 22' 37.7" | 2.9817 | 2.1110 | 8.1 | 142.6 | 11.9 | 13.90 | 153.48 | 21.65 | 218.9 | Aqr |
| 30 Jul 2020 | 23h12m35.18s | -20 29' 22.0" | 2.9817 | 2.1037 | 8.1 | 143.5 | 11.7 | 14.08 | 154.51 | 22.26 | 220.2 | Aqr |
| 31 Jul 2020 | 23h12m11.11s | -20 36' 10.0" | 2.9818 | 2.0966 | 8.1 | 144.5 | 11.4 | 14.26 | 155.55 | 22.86 | 221.4 | Aqr |
| 1 Aug 2020 | 23h11m45.72s | -20 43' 01.1" | 2.9818 | 2.0897 | 8.1 | 145.5 | 11.1 | 14.42 | 156.60 | 23.46 | 222.6 | Aqr |
| 2 Aug 2020 | 23h11m19.03s | -20 49' 55.2" | 2.9819 | 2.0831 | 8.0 | 146.4 | 10.8 | 14.57 | 157.65 | 24.06 | 223.8 | Aqr |
| 3 Aug 2020 | 23h10m51.06s | -20 56' 51.8" | 2.9819 | 2.0766 | 8.0 | 147.4 | 10.6 | 14.71 | 158.71 | 24.64 | 224.8 | Aqr |
| 4 Aug 2020 | 23h10m21.83s | -21 03' 50.6" | 2.9820 | 2.0704 | 8.0 | 148.3 | 10.3 | 14.84 | 159.78 | 25.21 | 225.9 | Aqr |
| 5 Aug 2020 | 23h09m51.35s | -21 10' 51.3" | 2.9820 | 2.0645 | 8.0 | 149.3 | 10.0 | 14.96 | 160.86 | 25.77 | 226.9 | Aqr |
| 6 Aug 2020 | 23h09m19.63s | -21 17' 53.5" | 2.9821 | 2.0587 | 8.0 | 150.2 | 9.7 | 15.06 | 161.94 | 26.32 | 227.8 | Aqr |
| 7 Aug 2020 | 23h08m46.71s | -21 24' 56.8" | 2.9821 | 2.0532 | 8.0 | 151.2 | 9.4 | 15.15 | 163.02 | 26.86 | 228.8 | Aqr |
| 8 Aug 2020 | 23h08m12.60s | -21 32' 00.9" | 2.9821 | 2.0479 | 7.9 | 152.1 | 9.2 | 15.24 | 164.12 | 27.38 | 229.7 | Aqr |
| 9 Aug 2020 | 23h07m37.33s | -21 39' 05.3" | 2.9822 | 2.0429 | 7.9 | 153.0 | 8.9 | 15.30 | 165.21 | 27.88 | 230.5 | Aqr |
| 10 Aug 2020 | 23h07m00.92s | -21 46' 09.7" | 2.9822 | 2.0381 | 7.9 | 153.9 | 8.6 | 15.36 | 166.31 | 28.36 | 231.4 | Aqr |
| 11 Aug 2020 | 23h06m23.40s | -21 53' 13.5" | 2.9822 | 2.0335 | 7.9 | 154.8 | 8.3 | 15.40 | 167.42 | 28.83 | 232.2 | Aqr |
| 12 Aug 2020 | 23h05m44.80s | -22 00' 16.5" | 2.9822 | 2.0293 | 7.9 | 155.7 | 8.0 | 15.43 | 168.53 | 29.28 | 233.0 | Aqr |
| 13 Aug 2020 | 23h05m05.16s | -22 07' 18.2" | 2.9822 | 2.0252 | 7.9 | 156.6 | 7.8 | 15.45 | 169.64 | 29.70 | 233.8 | Aqr |
| 14 Aug 2020 | 23h04m24.50s | -22 14' 18.2" | 2.9823 | 2.0214 | 7.8 | 157.4 | 7.5 | 15.46 | 170.76 | 30.10 | 234.5 | Aqr |
| 15 Aug 2020 | 23h03m42.87s | -22 21' 16.0" | 2.9823 | 2.0179 | 7.8 | 158.2 | 7.2 | 15.45 | 171.88 | 30.48 | 235.3 | Aqr |
| 16 Aug 2020 | 23h03m00.29s | -22 28' 11.2" | 2.9823 | 2.0146 | 7.8 | 159.0 | 7.0 | 15.43 | 173.00 | 30.83 | 236.0 | Aqr |
| 17 Aug 2020 | 23h02m16.82s | -22 35' 03.4" | 2.9823 | 2.0116 | 7.8 | 159.8 | 6.7 | 15.40 | 174.13 | 31.16 | 236.7 | Aqr |
| 18 Aug 2020 | 23h01m32.49s | -22 41' 52.0" | 2.9823 | 2.0089 | 7.8 | 160.5 | 6.5 | 15.35 | 175.25 | 31.46 | 237.4 | Aqr |
| 19 Aug 2020 | 23h00m47.35s | -22 48' 36.7" | 2.9823 | 2.0064 | 7.8 | 161.2 | 6.3 | 15.29 | 176.38 | 31.73 | 238.1 | Aqr |
| 20 Aug 2020 | 23h00m01.44s | -22 55' 17.0" | 2.9823 | 2.0042 | 7.8 | 161.8 | 6.1 | 15.22 | 177.51 | 31.97 | 238.8 | Aqr |
| 21 Aug 2020 | 22h59m14.81s | -23 01' 52.5" | 2.9823 | 2.0022 | 7.7 | 162.4 | 5.9 | 15.13 | 178.64 | 32.18 | 239.5 | Aqr |
| 22 Aug 2020 | 22h58m27.52s | -23 08' 22.7" | 2.9823 | 2.0006 | 7.7 | 162.9 | 5.7 | 15.03 | 179.77 | 32.36 | 240.2 | Aqr |
| 23 Aug 2020 | 22h57m39.62s | -23 14' 47.2" | 2.9823 | 1.9992 | 7.7 | 163.4 | 5.6 | 14.92 | 180.89 | 32.51 | 240.8 | Aqr |
| 24 Aug 2020 | 22h56m51.15s | -23 21' 05.6" | 2.9823 | 1.9980 | 7.7 | 163.8 | 5.4 | 14.80 | 182.02 | 32.63 | 241.5 | Aqr |
| 25 Aug 2020 | 22h56m02.17s | -23 27' 17.4" | 2.9823 | 1.9972 | 7.7 | 164.1 | 5.3 | 14.66 | 183.15 | 32.71 | 242.1 | Aqr |
| 26 Aug 2020 | 22h55m12.74s | -23 33' 22.4" | 2.9823 | 1.9966 | 7.7 | 164.4 | 5.2 | 14.51 | 184.27 | 32.77 | 242.8 | Aqr |
| 27 Aug 2020 | 22h54m22.90s | -23 39' 20.0" | 2.9822 | 1.9963 | 7.7 | 164.5 | 5.2 | 14.35 | 185.39 | 32.80 | 243.4 | Aqr |

Ephemeride des Kleinplaneten (1) Ceres

| Datum | RA | Deklination | r | delta | mag | Elong | Phase | Höhe | Az. | Gesch. | PA | Stb |
|-------------|--------------|---------------|--------|--------|-----|-------|-------|--------|--------|--------|-------|-------|
| ----- | --- | ----- | - | ----- | --- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| 28 Aug 2020 | 22h53m32.71s | -23 45' 10.0" | 2.9822 | 1.9963 | 7.7 | 164.6 | 5.2 | 14.18 | 186.51 | 32.79 | 244.1 | Aqr |
| 29 Aug 2020 | 22h52m42.22s | -23 50' 52.0" | 2.9822 | 1.9965 | 7.7 | 164.6 | 5.2 | 13.99 | 187.63 | 32.76 | 244.7 | Aqr |
| 30 Aug 2020 | 22h51m51.49s | -23 56' 25.7" | 2.9822 | 1.9970 | 7.7 | 164.5 | 5.2 | 13.80 | 188.74 | 32.70 | 245.4 | Aqr |
| 31 Aug 2020 | 22h51m00.56s | -24 01' 50.7" | 2.9821 | 1.9978 | 7.7 | 164.3 | 5.3 | 13.59 | 189.85 | 32.61 | 246.0 | Aqr |
| 1 Sep 2020 | 22h50m09.50s | -24 07' 06.7" | 2.9821 | 1.9989 | 7.7 | 164.0 | 5.3 | 13.37 | 190.96 | 32.49 | 246.7 | Aqr |
| 2 Sep 2020 | 22h49m18.35s | -24 12' 13.4" | 2.9821 | 2.0002 | 7.7 | 163.7 | 5.5 | 13.13 | 192.06 | 32.34 | 247.3 | Aqr |
| 3 Sep 2020 | 22h48m27.18s | -24 17' 10.6" | 2.9821 | 2.0018 | 7.7 | 163.3 | 5.6 | 12.89 | 193.16 | 32.16 | 248.0 | Aqr |
| 4 Sep 2020 | 22h47m36.02s | -24 21' 58.0" | 2.9820 | 2.0037 | 7.7 | 162.8 | 5.7 | 12.64 | 194.25 | 31.95 | 248.6 | Aqr |
| 5 Sep 2020 | 22h46m44.95s | -24 26' 35.2" | 2.9820 | 2.0059 | 7.8 | 162.2 | 5.9 | 12.37 | 195.34 | 31.72 | 249.3 | Aqr |
| 6 Sep 2020 | 22h45m54.00s | -24 31' 02.2" | 2.9819 | 2.0083 | 7.8 | 161.6 | 6.1 | 12.10 | 196.42 | 31.46 | 250.0 | Aqr |
| 7 Sep 2020 | 22h45m03.25s | -24 35' 18.6" | 2.9819 | 2.0110 | 7.8 | 161.0 | 6.3 | 11.81 | 197.50 | 31.17 | 250.7 | Aqr |
| 8 Sep 2020 | 22h44m12.73s | -24 39' 24.2" | 2.9818 | 2.0139 | 7.8 | 160.3 | 6.5 | 11.52 | 198.57 | 30.85 | 251.4 | Aqr |
| 9 Sep 2020 | 22h43m22.51s | -24 43' 18.8" | 2.9818 | 2.0171 | 7.8 | 159.6 | 6.8 | 11.21 | 199.64 | 30.51 | 252.1 | Aqr |
| 10 Sep 2020 | 22h42m32.64s | -24 47' 02.2" | 2.9817 | 2.0206 | 7.8 | 158.8 | 7.0 | 10.90 | 200.70 | 30.14 | 252.8 | Aqr |
| 11 Sep 2020 | 22h41m43.18s | -24 50' 34.3" | 2.9817 | 2.0244 | 7.8 | 158.0 | 7.3 | 10.57 | 201.75 | 29.74 | 253.5 | Aqr |
| 12 Sep 2020 | 22h40m54.17s | -24 53' 54.8" | 2.9816 | 2.0284 | 7.9 | 157.1 | 7.5 | 10.24 | 202.80 | 29.32 | 254.3 | PsA |
| 13 Sep 2020 | 22h40m05.67s | -24 57' 03.7" | 2.9816 | 2.0327 | 7.9 | 156.3 | 7.8 | 9.90 | 203.84 | 28.88 | 255.0 | PsA |
| 14 Sep 2020 | 22h39m17.74s | -25 00' 00.7" | 2.9815 | 2.0372 | 7.9 | 155.4 | 8.1 | 9.55 | 204.87 | 28.41 | 255.8 | PsA |
| 15 Sep 2020 | 22h38m30.43s | -25 02' 45.9" | 2.9814 | 2.0420 | 7.9 | 154.5 | 8.3 | 9.20 | 205.90 | 27.91 | 256.6 | PsA |
| 16 Sep 2020 | 22h37m43.78s | -25 05' 19.0" | 2.9814 | 2.0470 | 7.9 | 153.6 | 8.6 | 8.83 | 206.92 | 27.40 | 257.5 | PsA |
| 17 Sep 2020 | 22h36m57.86s | -25 07' 40.0" | 2.9813 | 2.0523 | 7.9 | 152.7 | 8.9 | 8.46 | 207.93 | 26.86 | 258.3 | PsA |
| 18 Sep 2020 | 22h36m12.71s | -25 09' 48.8" | 2.9812 | 2.0578 | 8.0 | 151.7 | 9.2 | 8.08 | 208.93 | 26.30 | 259.2 | PsA |
| 19 Sep 2020 | 22h35m28.38s | -25 11' 45.4" | 2.9811 | 2.0636 | 8.0 | 150.8 | 9.5 | 7.70 | 209.93 | 25.72 | 260.1 | PsA |
| 20 Sep 2020 | 22h34m44.92s | -25 13' 29.7" | 2.9811 | 2.0696 | 8.0 | 149.8 | 9.7 | 7.31 | 210.92 | 25.12 | 261.1 | PsA |
| 21 Sep 2020 | 22h34m02.37s | -25 15' 01.7" | 2.9810 | 2.0759 | 8.0 | 148.9 | 10.0 | 6.91 | 211.90 | 24.51 | 262.1 | PsA |
| 22 Sep 2020 | 22h33m20.78s | -25 16' 21.5" | 2.9809 | 2.0824 | 8.0 | 147.9 | 10.3 | 6.50 | 212.88 | 23.88 | 263.1 | PsA |
| 23 Sep 2020 | 22h32m40.18s | -25 17' 29.0" | 2.9808 | 2.0891 | 8.0 | 146.9 | 10.6 | 6.10 | 213.85 | 23.24 | 264.2 | PsA |
| 24 Sep 2020 | 22h32m00.62s | -25 18' 24.2" | 2.9807 | 2.0961 | 8.1 | 146.0 | 10.9 | 5.68 | 214.81 | 22.58 | 265.4 | PsA |
| 25 Sep 2020 | 22h31m22.12s | -25 19' 07.3" | 2.9806 | 2.1033 | 8.1 | 145.0 | 11.1 | 5.26 | 215.76 | 21.92 | 266.5 | PsA |
| 26 Sep 2020 | 22h30m44.73s | -25 19' 38.4" | 2.9805 | 2.1107 | 8.1 | 144.0 | 11.4 | 4.84 | 216.70 | 21.25 | 267.8 | PsA |
| 27 Sep 2020 | 22h30m08.46s | -25 19' 57.4" | 2.9804 | 2.1183 | 8.1 | 143.0 | 11.7 | 4.41 | 217.64 | 20.58 | 269.1 | PsA |
| 28 Sep 2020 | 22h29m33.36s | -25 20' 04.5" | 2.9803 | 2.1261 | 8.1 | 142.0 | 11.9 | 3.98 | 218.57 | 19.90 | 270.5 | PsA |
| 29 Sep 2020 | 22h28m59.44s | -25 19' 59.8" | 2.9802 | 2.1342 | 8.2 | 141.0 | 12.2 | 3.54 | 219.50 | 19.22 | 272.0 | PsA |
| 30 Sep 2020 | 22h28m26.74s | -25 19' 43.3" | 2.9801 | 2.1424 | 8.2 | 140.0 | 12.5 | 3.10 | 220.41 | 18.55 | 273.6 | PsA |
| 1 Okt 2020 | 22h27m55.28s | -25 19' 15.3" | 2.9800 | 2.1509 | 8.2 | 139.0 | 12.7 | 2.66 | 221.32 | 17.87 | 275.3 | PsA |
| 2 Okt 2020 | 22h27m25.07s | -25 18' 35.8" | 2.9799 | 2.1595 | 8.2 | 138.0 | 13.0 | 2.21 | 222.22 | 17.20 | 277.1 | PsA |
| 3 Okt 2020 | 22h26m56.14s | -25 17' 44.9" | 2.9798 | 2.1683 | 8.2 | 137.1 | 13.2 | 1.76 | 223.12 | 16.53 | 279.0 | PsA |
| 4 Okt 2020 | 22h26m28.52s | -25 16' 42.8" | 2.9797 | 2.1774 | 8.2 | 136.1 | 13.5 | 1.31 | 224.00 | 15.87 | 281.1 | PsA |
| 5 Okt 2020 | 22h26m02.21s | -25 15' 29.6" | 2.9796 | 2.1866 | 8.3 | 135.1 | 13.7 | 0.85 | 224.89 | 15.23 | 283.4 | PsA |
| 6 Okt 2020 | 22h25m37.24s | -25 14' 05.4" | 2.9795 | 2.1960 | 8.3 | 134.1 | 13.9 | 0.40 | 225.76 | 14.60 | 285.8 | PsA |
| 7 Okt 2020 | 22h25m13.61s | -25 12' 30.3" | 2.9793 | 2.2056 | 8.3 | 133.1 | 14.2 | -0.06 | 226.63 | 13.99 | 288.5 | PsA |
| 8 Okt 2020 | 22h24m51.36s | -25 10' 44.6" | 2.9792 | 2.2153 | 8.3 | 132.1 | 14.4 | -0.52 | 227.49 | 13.40 | 291.3 | PsA |
| 9 Okt 2020 | 22h24m30.47s | -25 08' 48.4" | 2.9791 | 2.2253 | 8.3 | 131.1 | 14.6 | -0.99 | 228.34 | 12.84 | 294.4 | PsA |
| 10 Okt 2020 | 22h24m10.98s | -25 06' 41.7" | 2.9789 | 2.2354 | 8.3 | 130.2 | 14.8 | -1.45 | 229.19 | 12.32 | 297.8 | PsA |
| 11 Okt 2020 | 22h23m52.89s | -25 04' 24.8" | 2.9788 | 2.2456 | 8.4 | 129.2 | 15.1 | -1.92 | 230.03 | 11.83 | 301.4 | PsA |
| 12 Okt 2020 | 22h23m36.21s | -25 01' 57.8" | 2.9787 | 2.2560 | 8.4 | 128.2 | 15.3 | -2.38 | 230.87 | 11.38 | 305.4 | PsA |
| 13 Okt 2020 | 22h23m20.95s | -24 59' 20.8" | 2.9785 | 2.2666 | 8.4 | 127.3 | 15.5 | -2.85 | 231.70 | 10.98 | 309.6 | PsA |
| 14 Okt 2020 | 22h23m07.12s | -24 56' 34.0" | 2.9784 | 2.2774 | 8.4 | 126.3 | 15.7 | -3.32 | 232.53 | 10.64 | 314.1 | PsA |
| 15 Okt 2020 | 22h22m54.72s | -24 53' 37.6" | 2.9783 | 2.2882 | 8.4 | 125.3 | 15.9 | -3.79 | 233.35 | 10.36 | 318.8 | PsA |
| 16 Okt 2020 | 22h22m43.76s | -24 50' 31.6" | 2.9781 | 2.2993 | 8.4 | 124.4 | 16.0 | -4.26 | 234.16 | 10.15 | 323.8 | Aqr |
| 17 Okt 2020 | 22h22m34.25s | -24 47' 16.3" | 2.9780 | 2.3104 | 8.5 | 123.4 | 16.2 | -4.73 | 234.97 | 10.02 | 328.9 | Aqr |
| 18 Okt 2020 | 22h22m26.18s | -24 43' 51.8" | 2.9778 | 2.3217 | 8.5 | 122.5 | 16.4 | -5.20 | 235.77 | 9.95 | 334.2 | Aqr |
| 19 Okt 2020 | 22h22m19.56s | -24 40' 18.3" | 2.9777 | 2.3332 | 8.5 | 121.5 | 16.6 | -5.67 | 236.57 | 9.97 | 339.4 | Aqr |
| 20 Okt 2020 | 22h22m14.38s | -24 36' 35.9" | 2.9775 | 2.3447 | 8.5 | 120.6 | 16.7 | -6.14 | 237.36 | 10.06 | 344.6 | Aqr |
| 21 Okt 2020 | 22h22m10.64s | -24 32' 44.9" | 2.9773 | 2.3564 | 8.5 | 119.6 | 16.9 | -6.61 | 238.15 | 10.22 | 349.6 | Aqr |
| 22 Okt 2020 | 22h22m08.34s | -24 28' 45.4" | 2.9772 | 2.3682 | 8.5 | 118.7 | 17.0 | -7.08 | 238.94 | 10.45 | 354.4 | Aqr |
| 23 Okt 2020 | 22h22m07.47s | -24 24' 37.5" | 2.9770 | 2.3801 | 8.6 | 117.8 | 17.2 | -7.55 | 239.71 | 10.75 | 358.9 | Aqr |
| 24 Okt 2020 | 22h22m08.02s | -24 20' 21.4" | 2.9769 | 2.3922 | 8.6 | 116.9 | 17.3 | -8.01 | 240.49 | 11.10 | 3.2 | Aqr |
| 25 Okt 2020 | 22h22m09.99s | -24 15' 57.4" | 2.9767 | 2.4043 | 8.6 | 115.9 | 17.5 | -8.48 | 241.26 | 11.50 | 7.1 | Aqr |
| 26 Okt 2020 | 22h22m13.35s | -24 11' 25.6" | 2.9765 | 2.4165 | 8.6 | 115.0 | 17.6 | -8.95 | 242.03 | 11.94 | 10.8 | Aqr |
| 27 Okt 2020 | 22h22m18.11s | -24 06' 46.0" | 2.9763 | 2.4289 | 8.6 | 114.1 | 17.7 | -9.41 | 242.79 | 12.42 | 14.2 | Aqr |
| 28 Okt 2020 | 22h22m24.25s | -24 01' 59.0" | 2.9762 | 2.4413 | 8.6 | 113.2 | 17.9 | -9.88 | 243.55 | 12.94 | 17.3 | Aqr |
| 29 Okt 2020 | 22h22m31.76s | -23 57' 04.7" | 2.9760 | 2.4538 | 8.7 | 112.3 | 18.0 | -10.34 | 244.31 | 13.47 | 20.1 | Aqr |
| 30 Okt 2020 | 22h22m40.63s | -23 52' 03.1" | 2.9758 | 2.4664 | 8.7 | 111.4 | 18.1 | -10.80 | 245.06 | 14.04 | 22.7 | Aqr |
| 31 Okt 2020 | 22h22m50.84s | -23 46' 54.5" | 2.9756 | 2.4791 | 8.7 | 110.5 | 18.2 | -11.26 | 245.81 | 14.62 | 25.1 | Aqr |
| 1 Nov 2020 | 22h23m02.39s | -23 41' 38.9" | 2.9754 | 2.4919 | 8.7 | 109.6 | 18.3 | -11.72 | 246.55 | 15.21 | 27.3 | Aqr |