

## 21P/Giacobini-Zinner

T: 2018 SEPTEMBER 10.27790000      Peri: 172.86070000 |  
 e: 0.71046700                              Node: 195.39390000 | (J2000.0)  
 q: 1.01279800                              i: 31.99760000 |  
 Absolute Helligkeit: 9.00 mag / Helligkeits Koeffizient: 15.00  
 Beobachtung: 0:00 , UT (JD:=2458289.5000) / Umlaufzeit: 6.54 Jahre  
 ASTRO-STATION-CONRAD \* Informationen unter: <http://asc.astronomie.at>

| 2018   | R.A. (H,M) | DEC (D,M) | R     | DELTA | ELONG | PHASE | PA    | MAG  |
|--------|------------|-----------|-------|-------|-------|-------|-------|------|
| JUN 20 | 21 3.6     | 43 49     | 1.507 | 0.953 | 99.8  | 41.6  | 223.5 | 11.6 |
| JUN 22 | 21 7.7     | 44 58     | 1.489 | 0.933 | 99.5  | 42.3  | 222.5 | 11.4 |
| JUN 24 | 21 12.0    | 46 7      | 1.471 | 0.914 | 99.1  | 43.0  | 221.6 | 11.3 |
| JUN 26 | 21 16.5    | 47 16     | 1.453 | 0.895 | 98.7  | 43.8  | 220.7 | 11.2 |
| JUN 28 | 21 21.2    | 48 25     | 1.435 | 0.876 | 98.3  | 44.5  | 219.9 | 11.1 |
| JUN 30 | 21 26.2    | 49 34     | 1.417 | 0.858 | 97.9  | 45.3  | 219.2 | 10.9 |
| JUL 2  | 21 31.4    | 50 43     | 1.400 | 0.840 | 97.4  | 46.1  | 218.5 | 10.8 |
| JUL 4  | 21 36.9    | 51 51     | 1.382 | 0.822 | 96.9  | 46.9  | 217.9 | 10.7 |
| JUL 6  | 21 42.7    | 52 60     | 1.365 | 0.805 | 96.4  | 47.8  | 217.4 | 10.6 |
| JUL 8  | 21 48.9    | 54 8      | 1.348 | 0.787 | 95.9  | 48.6  | 217.0 | 10.4 |
| JUL 10 | 21 55.6    | 55 15     | 1.331 | 0.770 | 95.3  | 49.5  | 216.7 | 10.3 |
| JUL 12 | 22 2.8     | 56 22     | 1.314 | 0.753 | 94.7  | 50.4  | 216.5 | 10.2 |
| JUL 14 | 22 10.5    | 57 27     | 1.298 | 0.736 | 94.2  | 51.4  | 216.4 | 10.0 |
| JUL 16 | 22 18.9    | 58 31     | 1.281 | 0.720 | 93.6  | 52.3  | 216.6 | 9.9  |
| JUL 18 | 22 28.0    | 59 34     | 1.265 | 0.703 | 93.0  | 53.3  | 216.9 | 9.8  |

Der periodische Komet 21P/Giacobini-Zinner wird höher und heller: Sternengrenzgröße:+8m./Objekte bis +12,5m; - R.CONRAD / ASC -

