



**Intro Calendar Sun Moon Planets Comets Asteroids Meteors Deep-Sky Satellites** 

Introduction · Sat-Library · Selected Satellite · Internat. Space Station ISS · Space Shuttle ·  
 Satellites within interval · Tracking/Identification · (Iridium) Flares · Tumbling Iridium ·  
 Geostationary · Radio Amateurs · GPS/GLONASS | **Star Chart** | Decaying Satellites ·  
 Sun/Moon Crossers, Occultations

→ Nightvision-Mode


→ E-mail & Alert Manager

**Select start of calculation:**


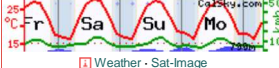
Date:      
 Time:  :  :  


Select duration:


Select interval:  

geipan  
 Utelle, France, France 

Easting: 7.2477  
 Northing: 43.917  
 Time zone: CET/CEST

 Weather · Sat-Image  
 Local Sponsors: Your name?

Name: **Pageos Rocket**  
 Dimensions: 5 m x 1.5 m, cylindrical  
 Brightness: 5.0 mag (at 1000 km, 50% illuminated)  
 7.4 mag (at perigee, full illumination)  
 Mean magnitude from visual observations  
 RCS: 6.6m<sup>2</sup> (Radar cross section)  
 USSPACECOM Nr: **02255** Internat. Designator: 1966-056B  
 Orbit: 4176 x 4277 km, 3.02h Inclination: 86.9°  
 Age Elements:  2.2 days

**Satellite Menu**

- Orbit History/Zoom
- Sighting Opportunities
- Data & view of the Earth
- Finder Chart
- Ground Track Map
- Transit Centerline
- Orbit Elements (TLE)
- Predicted TLEs

See more/less data and options by changing the user level!

**Simulation**

Output size

Grid

Main lines

Constellations

Boundaries

no line of Horizon

Negate colors

draw no symbols

Realism (e.g., show Planets/Moons)

**Telescope**

Vertex is up

Telrad

Left-right mirrored image

Inverted image

Digitized Sky Survey photographic plates (supports only equatorial view)

Limiting Magnitude

**Pointing**


Field of View

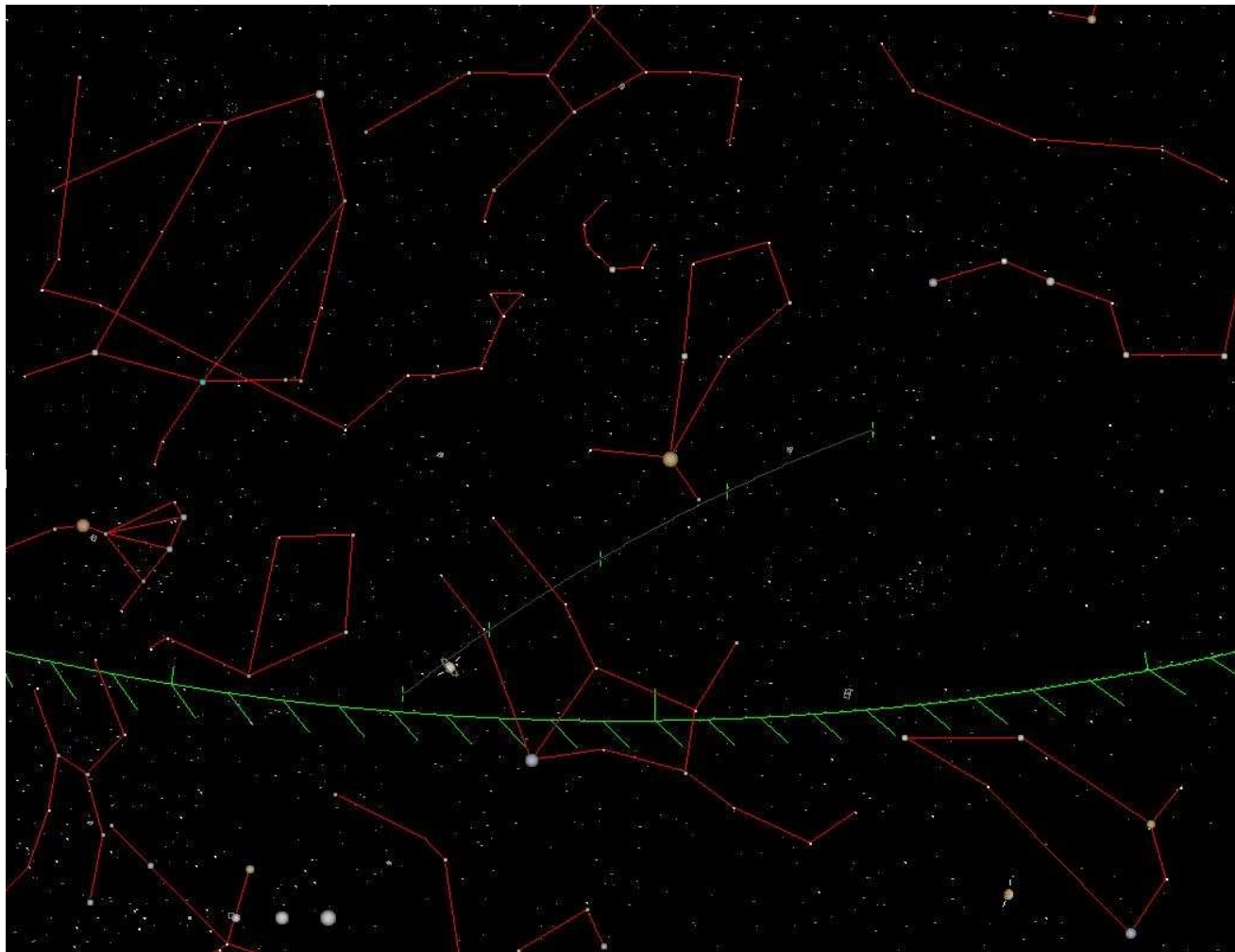
Direction

Object Name,  
 NGC M PGC  
 Cr Tr B Sh2  
 PK Abell Mkk  
 ACO SDSS  
 2QZ / SAO  
 HIP TYC HD  
 FK5 XZ Gl  
 Struve

Right Ascension

Declination





Stars as seen from the observer.  
Visual limiting magnitude: 6.5 mag

#### Time:

Wednesday, 31 July 2013, 00h 00m 02s  
 JD: **2456504.4166898** TDT: 2456504.4174668 deltaT: 67.13 sec  
 Apparent sidereal time: Local: 19h 03m 49.432s Greenwich: 18h 34m 49.974s  
 (Times in **CEST, UTC+02:00**, topocentric data for **Utelle, France, France**)

#### Map Center:

Azimuth direction: 266.56° W (West)  
 Altitude: 24.14°  
 Right Ascension: 14h 23m 57.145s Apparent coordinates  
 Declination: + 14° 06' 45.85" Apparent coordinates

Right Ascension: 14h 23m 17.430s J2000  
 Declination: + 14° 10' 16.70" J2000

Elongation from Sun center: 81.62°  
 Elongation from Moon center: 146.47°

**Rises:** 12h 23m on previous day (Azimuth: 69.6° ENE)  
**Transit:** 19h 20m 56s on previous day (Altitude: +60.20°)  
**Sets:** 2h 19m (Azimuth: 290.4° WNW)  
 Time above horizon: 13h 56m

**Opposition in R.A.:** 28. April 2013 14h 11m CEST Elongation: 151.6°  
**Conjunction in R.A.:** 31. October 2013 16h 12m CET Elongation: 28.4°

#### Sun:

Altitude: -23.9°  
 Azimuth: 334.7°

#### Moon:

Altitude: -10.5°  
 Azimuth: 54.3°  
 Phase, illum. fraction: 38.7% (geocentric)

Print E-mail

Positions are shown in **topocentric (for objects within the solar system, geocentric otherwise) astrometric (airfree) equatorial coordinates at equinox J2000.0 (Right Ascension/Declination) and epoch of date given**. Stereoscopic projection is used for the star chart. If you zoom into a field of view in order of minutes of arc, you will get a fantastic photographic background image from the Digitized Sky Survey (DSS) from the Mount Palomar observatory.


Pointing the mouse to targets reveals their names - the higher the selected user level, the more features are labeled. The highest level "Astronomer" displays all object names. You can switch the user level just next to the small Earth icon on top of each page.

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Software Version: 30 July 2013  
Database updated 6 min ago  
Current Users: 152, Runtime: 2.5s

2 Aug 2013, 12:39 UTC  
528 minutes left for this session   
55 days left in ad-free mode

