





Remark: The start time for calculation has been put back in order to show the satellite prior to the event.

Select start of calculation:


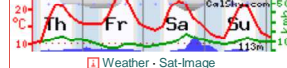
Date: 
 Time: : : 


Select duration: Minutes

Select interval: Minute 


geipan
Barbaste, France  

Easting: 0.26
 Northing: 44.17
 Time zone: CET/
 CEST

 Weather · Sat-Image

Local Sponsors: Your name?

Name: ISS
 Launched: 20 Nov 1998
 Dimensions: 109 m x 73 m x 27.5 m
 Brightness: -2.0 mag (at 1000 km, 50% illuminated)
 -4.7 mag (at perigee, full illumination)
 Mean magnitude from visual observations
 RCS: 402m² (Radar cross section)
 USSPACECOM Nr: 25544 Internat. Designator: 1998-067A
 Orbit: 414.2 x 419.1 Km, 92.9min Inclination: 51.6°
 Age Elements:  0.1 days

Satellite Menu

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

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

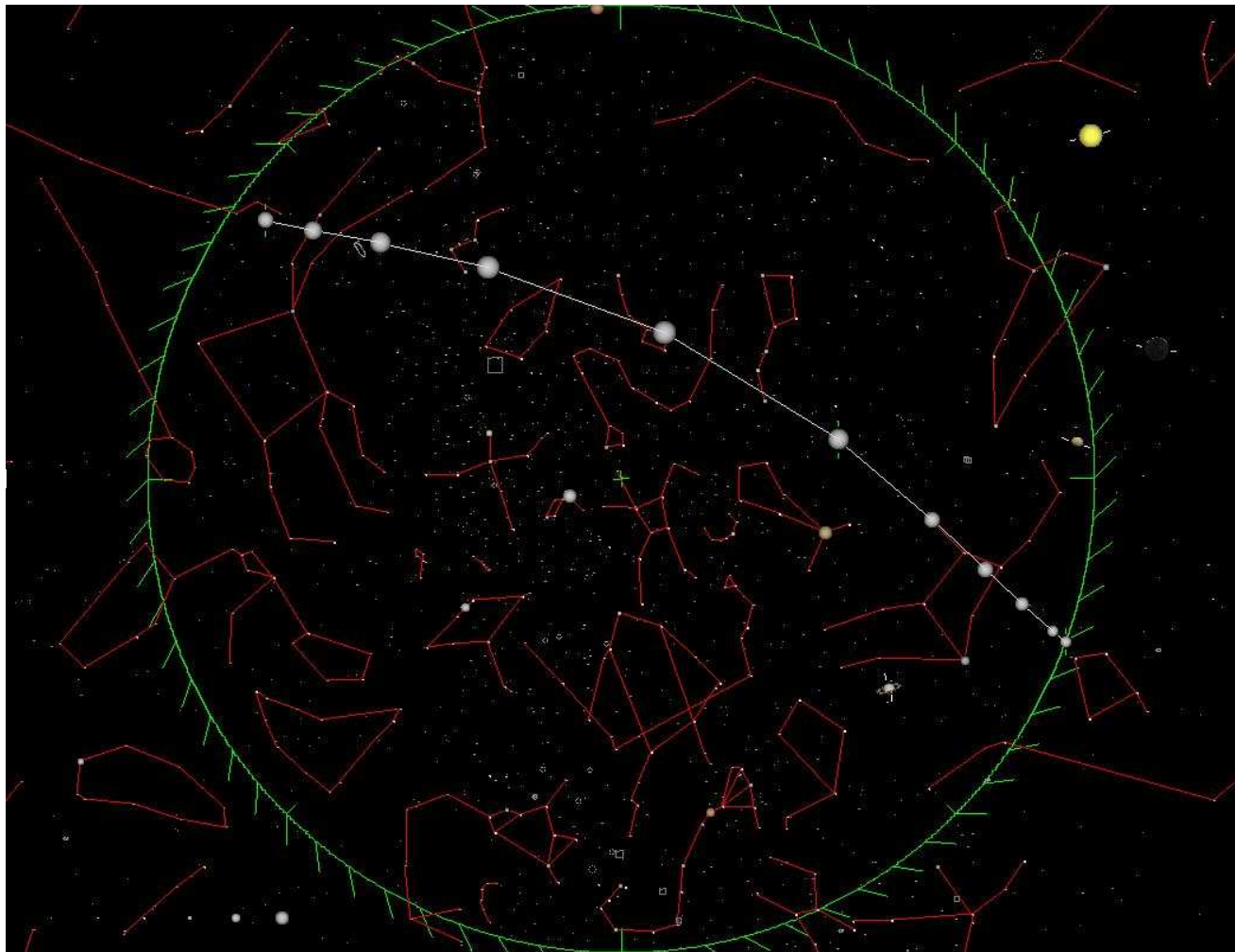
Direction

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

Right Ascension

Declination





Stars as seen from the observer.
Visual limiting magnitude: 5.5 mag

Time:

Thursday, 8 August 2013, 22h 22m 29s
 JD: **2456513.3489504** TDT: 2456513.3497274 deltaT: 67.13 sec
 Apparent sidereal time: Local: 17h 33m 32.674s Greenwich: 17h 32m 30.274s
 (Times in **CEST, UTC+02:00**, topocentric data for **Barbaste, France**)

Map Center:

Azimuth direction: 92.07° E (East)
 Altitude: 89.92°
 Right Ascension: 17h 33m 58.506s Apparent coordinates
 Declination: + 44° 10' 01.71" Apparent coordinates

Right Ascension: 17h 33m 32.674s J2000
 Declination: + 44° 10' 12.00" J2000

Elongation from Sun center: 101.58°
 Elongation from Moon center: 98.61°

Rises: 11h 23m on following day (Azimuth: 11.2° N)
Transit: 22h 22m 55s (Altitude: +90.00°)
Sets: 9h 18m on following day (Azimuth: 348.8° N)

Opposition in R.A.: 15. June 2013 0h 55m CEST Elongation: 112.5°
Conjunction in R.A.: 15. December 2013 21h 04m CET Elongation: 67.5°

Sun:

Altitude: -11.5°
 Azimuth: 306.0°

Moon:

Altitude: -8.5°
 Azimuth: 283.5°
 Phase, illum. fraction: 3.8% (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.