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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: : : : in TDT

Select duration:
 Select interval:

geipan
Les aventières, France

Easting: 5.5626
 Northing: 45.6349
 Time zone: CET/CEST

Astronomer

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: 411.2 x 420.1 km, 92.9min Inclination: 51.6°
 Age Elements: 0.2 days

Satellite Menu

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Orbit calculations are based on the valid segment of 3 different orbital segments (orbital data above shown for the beginning of the segment containing the selected start time).

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

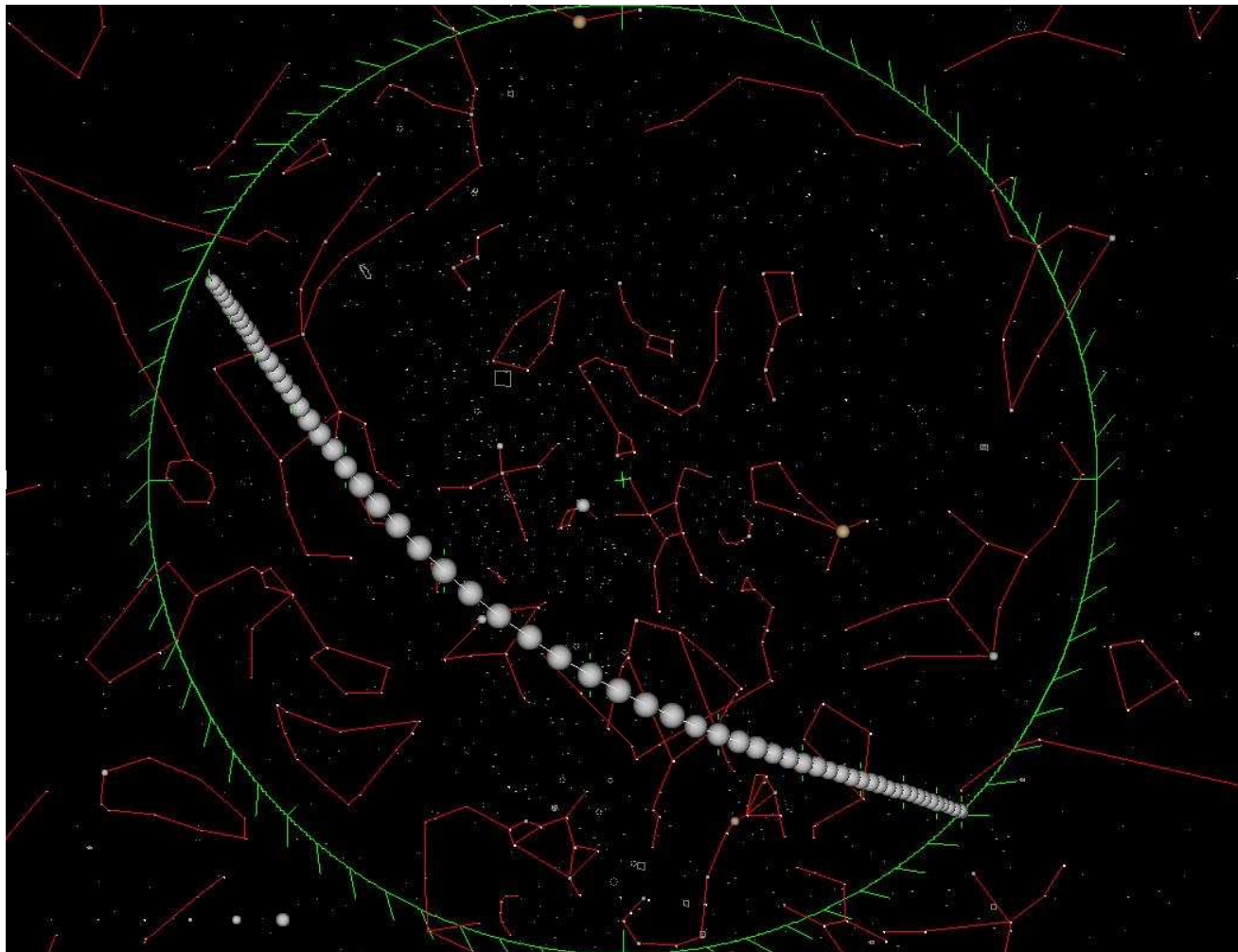
Field of View

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: 5.5 mag

Time:

Sunday, 3 August 2014, 22h 36m 06.53s
 JD: 2456873.3584088 TDT: 2456873.3591901 deltaT: 67.50 sec leap seconds: 35 sec
 Apparent sidereal time: Local: 17h 47m 44.363s Greenwich: 17h 25m 29.332s
 Mean sidereal time: Local: 17h 47m 43.885s Greenwich: 17h 25m 28.854s
 Local solar time: Mean: 20h 58m 21.554s True: 20h 52m 11.302s
 Equation of Time: - 6m 10.25s
 (Times in CEST, UTC+02:00, topocentric data for Les avenières, France)

Map Center:

Azimuth direction: 88.67° E (East)
 Altitude: 89.92°
 Right Ascension: 17h 47m 10.927s Apparent coordinates
 Declination: + 45° 38' 11.95" Apparent coordinates

Right Ascension: 17h 47m 44.363s J2000
 Declination: + 45° 38' 05.69" J2000

Elongation from Sun center: 104.08°
 Elongation from Moon center: 74.68°

Rises: --h --m (Azimuth: 347.4° NNW)
 Transit: 22h 32m 37s on following day (Altitude: +90.00°)
 Sets: --h --m (Azimuth: 347.4° NNW)

Opposition in R.A.: 18. June 2014 16h 43m CEST Elongation: 111.0°
 Conjunction in R.A.: 19. December 2014 7h 55m CET Elongation: 69.0°

Sun:

Altitude: -14.0°
 Azimuth: 314.0°

Moon:

Altitude: 15.4°
 Azimuth: 230.5°
 Phase, illum. fraction: 48.3% (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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[Create new default account/Logout](#)

Software Version: 25 August 2014
Database updated 7 min ago
Current Users: 194, Runtime: 2.8s

26 Aug 2014, 12:39 UTC
597 minutes left for this session
36 days left in ad-free mode