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: 19 June 2009

Time: 00 : 00 : 36 . 79 in TDT Now

Select duration: 1 Minute

Select interval: 0.1 Seconds go!

Satellites

```
Name:          Amazns BrzTank
Dimensions:    2.6 m x 4.3 m, cylindrical
Brightness:     5.0 mag (at 1000 km, 50% illuminated)
                1.8 mag (at perigee, full illumination)
               Mean magnitude estimated from object size
RCS:           6.5m2 (Radar cross section)
USSPACECOM Nr: 28395    Internat. Designator: 2004-031C
Orbit:         319.4 x 16145 km, 4.88h  Inclination: 49.4°
Age Elements:  1.1 days
```

Satellite Menu

- 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

- 800 Output size
- Grid
- Main lines
- Constellations

Telescope

- Vertex is up
- Telrad
- Left-right mirrored image
- Inverted image

Pointing

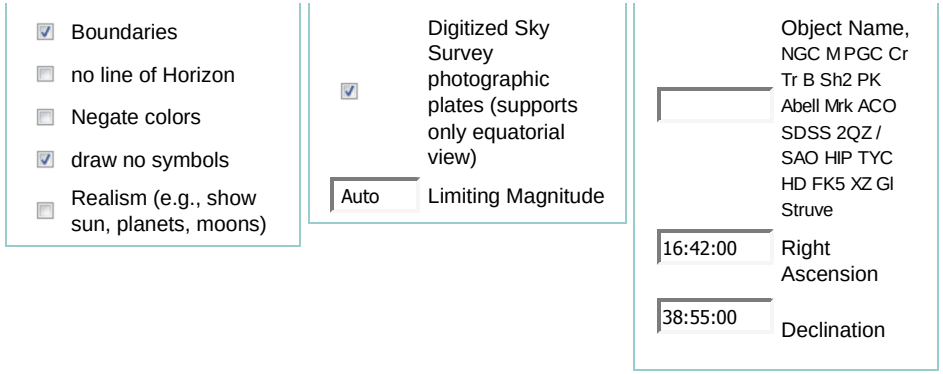
Whole Sky

Center Satellite

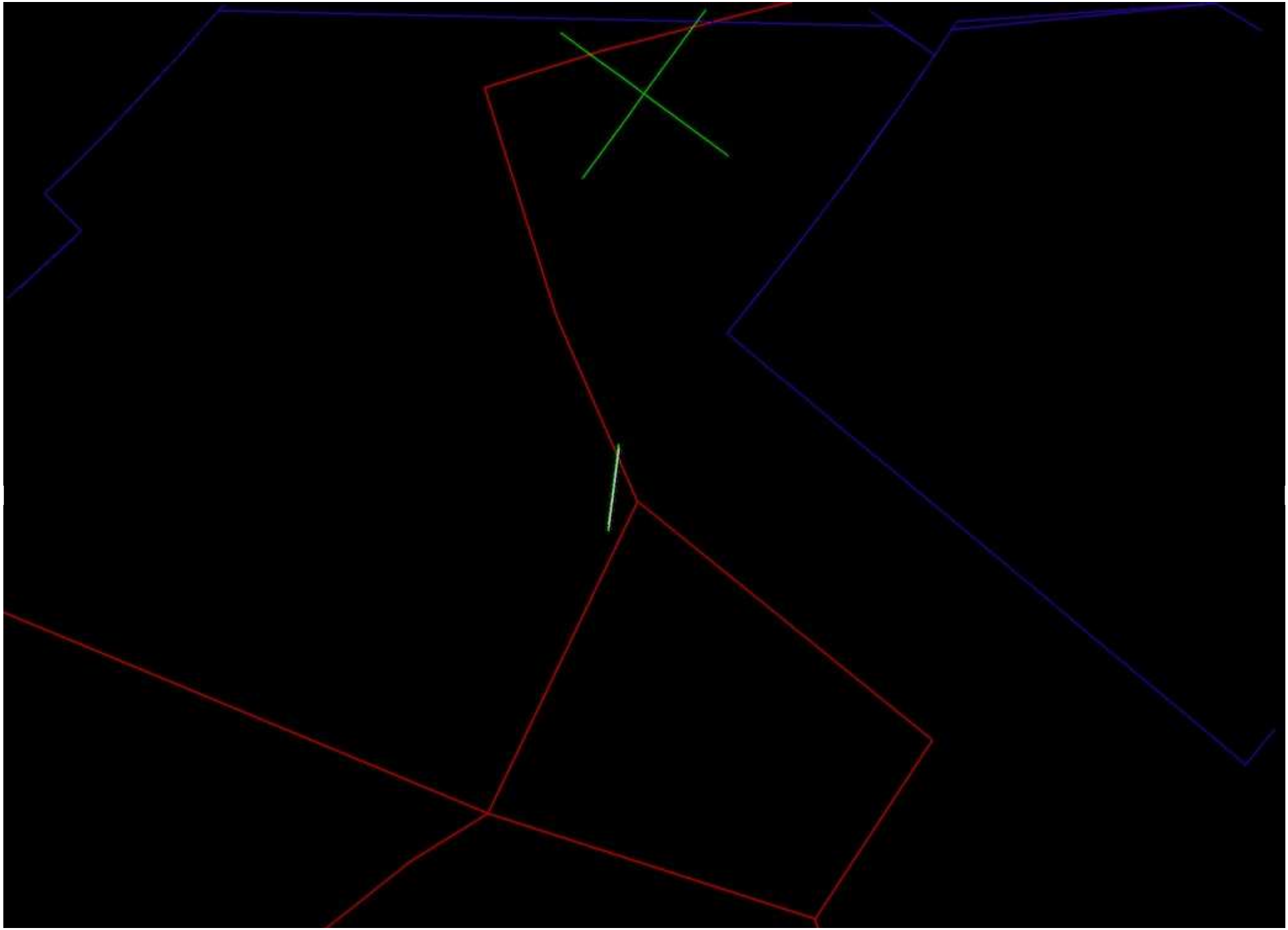
20 deg Field of View

Direction

go!



Move the mouse pointer to reveal object names. Click a bright star to see its heliacal rising and setting date below



Stars as seen from the observer.
Visual limiting magnitude: 10 mag

Time:

Friday, 19 June 2009, 00h 00m 36.79s
JD: **2455001.4170925** TDT: 2455001.4178557 deltaT: 65.95 sec leap seconds: 34 sec
Apparent sidereal time: Local: 16h 09m 51.491s Greenwich: 15h 49m 42.209s
Mean sidereal time: Local: 16h 09m 50.636s Greenwich: 15h 49m 41.354s
Local solar time: Mean: 22h 20m 46.072s True: 22h 19m 31.747s
Equation of Time: - 1m 14.32s
(Times in **CEST, UTC+02:00**, topocentric data for **On center line, France**)

Map Center:

Azimuth direction: 125.98° SE (Southeast)
Altitude: 82.19°
Right Ascension: 16h 42m 21.777s Apparent coordinates
Declination: + 38° 53' 54.34" Apparent coordinates

Right Ascension: 16h 42m 00.000s J2000
Declination: + 38° 55' 00.00" J2000

Elongation from Sun center: 115.68°
Elongation from Moon center: 112.75°
In constellation: Hercules

Rises: 15h 01m (Azimuth: 28.4° NNE)
Transit: 0h 33m 02s (Altitude: +85.11°)
Sets: 10h 01m (Azimuth: 331.6° NNW)

Relative to Sun: (Sun 18.9° below horizon, azimuth: 335.7° NNW)
Separation: 115.68° (disk centers) Position Angle: 14.6° NNE
ΔAzimuth: +150.30° ΔAltitude: +101.1° vertical Position Angle: 355.7° (to East)
Relative to Moon: (Moon 22.6° below horizon, azimuth: 33.0° NNE, -8.6 mag, phase 20.3%)
Separation: 112.75° (disk centers) Position Angle: 327.2° NNW
ΔAzimuth: +92.96° ΔAltitude: +104.8° vertical Position Angle: 351.5° (to East)

Opposition in R.A.: 2. June 2009 13h 56m CEST Elongation: 118.9°
Conjunction in R.A.: 4. December 2009 3h 43m CET Elongation: 61.1°

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.

Top

Software Version: 11 January 2016
Database updated 2 min ago
Current Users: 156

5 Feb 2016, 14:29 UTC
552 minutes left for this session / Mode
for our sponsors