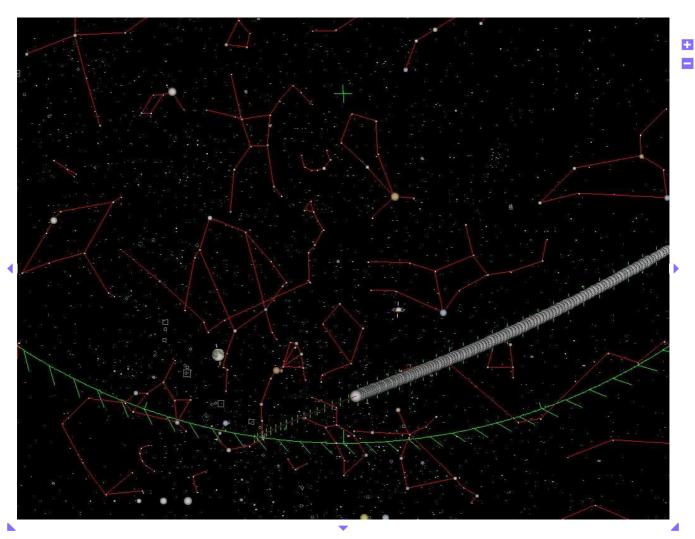


Orbit calculations are based on the valid segment of 3 different orbital segments (orbital data above shown for the beginning of the segment containing the selected start time).

See more/less data and options by changing the user level!				
Simulation	Telescope		Pointing	
800 Output size		Vertex is up	Whole Sky	
Grid		Telrad	Center Satellite	
Main lines		Left-right mirrored image	120 deg Field of View	
<ul> <li>Constellations</li> </ul>		Inverted image	South Direction	
Boundaries		Digitized Sky	Object Name,	
no line of Horizon		Survey photographic plates	NGC M PGC Cr Tr B Sh2	
Negate colors		(supports only equatorial view)	PK Abell Mrk ACO SDSS	
draw no symbols	Auto	Limiting Magnitude	2QZ/SAO HIP TYC HD	
Realism (e.g., show Planets/Moons)			FK5 XZ GI Struve	
			15:12:56.571 Right Ascension	
			0:08:51.767 Declination	



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

## Time:

Saturday, 22 June 2013, 22h 45m 10s JD: **2456466.3646991** TDT: 2456466.3654759 deltaT: 67.12 sec Apparent sidereal time: Local: 15h 12m 56.572s Greenwich: 14h 49m 56.538s (Times in **CEST, UTC+02:00**, topocentric data for **Eybens, France**)

## Map Center:

Azimuth direction: Altitude:	179.75° S (South) 44.96°			
	15h 13m 39.710s Apparent coordinates + 0° 05' 54.63" Apparent coordinates			
	15h 12m 56.572s J2000 + 0° 08' 51.77" J2000			
Elongation from Sun center: 131.83° Elongation from Moon center: 39.59°				
	s (Altitude: +44.97°) on following day (Azimuth: 270.7° W)			
Opposition in R.A. Conjunction in R.A.	11. May 2013 11h 22m CEST Elongation: 161.9° 13. November 2013 2h 47m CET Elongation: 18.1°			
Sun:				
	-10.8° 320.0°			
Moon:				

Altitude: 16.8° Azimuth: 146.5° Phase, illum. fraction: 99.3% (geocentric)

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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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