The Calculated Sky

show all values

Time:

Saturday, 5 October 2019, 20h 37m 00s

Satellite Visibility Status:

Satellite is in sunlight and above your horizon, and visible

This object is very easy to be seen in your sky. - Just look up, it's the bright moving spot! You will find the satellite by looking high to direction NNE.

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Interfering factors:
Elevation of Sun: -13.2° (astronomical twilight)
Elevation of Moon: 22.3° (0.1 days past First Quarter)
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Geocentric Satellite Tracking:

Orbit: Shape = 422.4 km x 424.3 km, Period = 92.9 min, Inclination = 51.6° Revolutions since launch: 0.0, satellite currently descending Ground track: Sub-Satel:Lon = 3°56'21" Lat = +46°19'58" Height= 416.12 km

Topocentric:

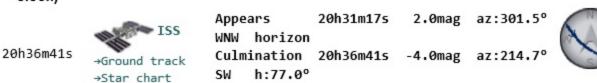
Magnitude: -3.6 mag Constellation: Cassiopeia (Cas) Altazimuth: Az = 26.00° NNE Alt = +45.45° Apparent: R.A. = 0h38m32s Dec = +71°23'05" Elongation from Sun center: 113.44° (Sun below horizon) Elongation from Moon center: 110.88°	r	-		32 km 32 km	
Next local pass:					
Rise: 20h31m38s					
Magnitude: 1.9mag					
Altazimuth: Az = 304.19° NW Alt = +0.46°		r	=	2347.23	km
Meridian: 20h36m33s					
Magnitude: -3.2mag					
Altazimuth: Az = 0.00° N Alt = +42.23°		r	=	597.65	km
Culmination: 20h37m00s					
Magnitude: -3.6mag					
Altazimuth: Az = 25.99° NNE Alt = +45.45°		r	=	567.32	km
Set: 20h42m20s					
Magnitude: (invisible)					
Altazimuth: Az = 107.74° ESE Alt = +0.46°		r	=	2335.57	km
Visibility of this pass:					
Appears: 20h31m38s (rises on the horizon)					
Magnitude: 1.9mag					
Altazimuth: Az = 304.19° NW Alt = +0.46°		r	=	2347.23	km
Meridian: 20h36m33s					
Magnitude: -3.2mag					
Altazimuth: Az = 0.00° N Alt = +42.23°		r	=	597.65	km
Culmination: 20h37m00s					
Magnitude: -3.6mag					30
Altazimuth: Az = 25.99° NNE Alt = +45.45°		r	=	201122	km
Disappears: 20h38m31s (satellite enters Earth's shadow	ı and	gets	ecli	.psed)	
Magnitude: -3.1mag					
Altazimuth: Az = 85.57° E Alt = +25.61°		r	=	859.24	кm

Visibility of International Space Station ISS

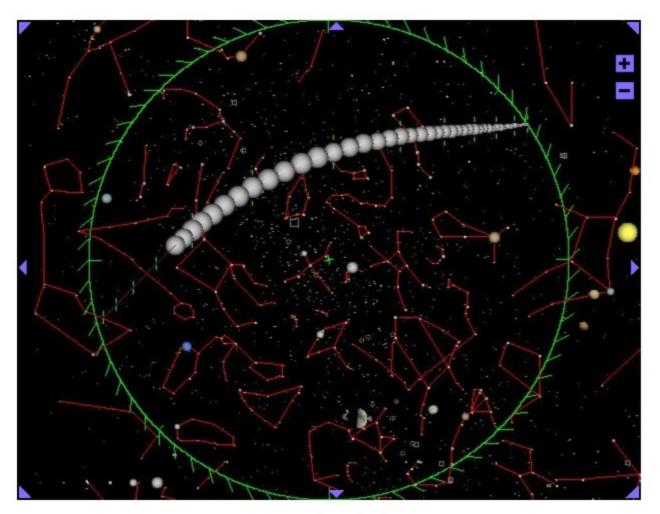
Saturday, 5 October 2019					
Time (24-hour clock)	Object (Link)	Event			
	Observer Site	User Site, France WGS84: Lon: +1d48m39.86s Lat: +43d19m39.39s Alt: 266m Geoid Alt: 217m All times in CET or CEST (during summer)			
20h37m00s	→Ground track →Star chart	Appears 20h31m38s 1.9mag az:304.2° NW horizon at Meridian 20h36m33s -3.2mag az: 0.0° N h:42.2° Culmination 20h37m00s -3.6mag az: 26.0° NNE h:45.4° distance: 567.3km height above Earth: 416.1km elevation of Sun: -13° angular velocity: 0.79°/s Disappears 20h38m31s -3.1mag az: 85.6° E h:25.6°			
22h11m25s	→Ground track →Star chart	Appears 22h08m29s 2.0mag az:294.5° WNW horizon Disappears 22h11m25s -0.3mag az:275.0° W h:14.0°			
Sunday, 6 October 2019					
Time /04 hour					
Time (24-hour clock)	Object (Link)	Event			
•	Object (Link) Source ISS Ground track	Event Appears 19h43m05s 1.5mag az:304.2° NW horizon at Meridian 19h47m50s -2.7mag az: 0.0° N h:30.6° Culmination 19h48m21s -3.1mag az: 21.0° NNE h:32.5°			
clock)	155	Appears 19h43m05s 1.5mag az:304.2° NW horizon at Meridian 19h47m50s -2.7mag az: 0.0° N h:30.6° Culmination 19h48m21s -3.1mag az: 21.0° NNE			
clock)	→Ground track	Appears 19h43m05s 1.5mag az:304.2° NW horizon at Meridian 19h47m50s -2.7mag az: 0.0° N h:30.6° Culmination 19h48m21s -3.1mag az: 21.0° NNE h:32.5° distance: 723.1km height above Earth: 416.4km elevation of Sun: -5° angular velocity: 0.61°/s Disappears 19h52m03s -1.6mag az: 91.5° E			
clock) 19h48m21s	→Ground track →Star chart →Ground track →Ground track →Star chart	Appears 19h43m05s 1.5mag az:304.2° NW horizon at Meridian 19h47m50s -2.7mag az: 0.0° N h:30.6° Culmination 19h48m21s -3.1mag az: 21.0° NNE h:32.5° distance: 723.1km height above Earth: 416.4km elevation of Sun: -5° angular velocity: 0.61°/s Disappears 19h52m03s -1.6mag az: 91.5° E h:6.6° Appears 21h19m51s 2.3mag az:298.6° WNW horizon Disappears 21h24m57s -3.0mag az:232.3°			

clock)

Object (Link)



Satellites



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

Time:

□ show all values

Saturday, 5 October 2019, 20h 31m 38s

Map Center:

Azimuth direction: 66.53° ENE (East-Northeast) Altitude: 89.88° Right Ascension: 19h 36m 03.812s Apparent coordinates Declination: + 43° 22' 37.25" Apparent coordinates Right Ascension: 19h 35m 26.166s J2000 Declination: + 43° 19' 39.39" J2000

Elongation from Sun center: 102.59° Elongation from Moon center: 67.59° In constellation: Cygnus (Cyg)

Rises: 10h 08m on following day (Azimuth: 17.5° NNE) Transit: 20h 32m 15s (Altitude: +89.95°) Sets: 6h 53m on following day (Azimuth: 342.5° NNW)