
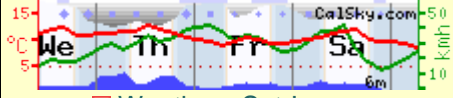


→ Nightvision-Mode

**La tremblade, France**

Easting: -1.1403  
 Northing: 45.7704  
 Time zone: CET/CEST

Hobby:

Local Sponsors: Your name?





**Select start of calculation:**





Date:





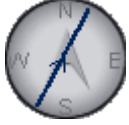



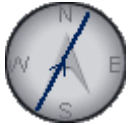


Time:  :  :






Select duration:



**Friday 22 November 2013**

Time (24-hour clock)	Object (Link)	Event
<input type="checkbox"/> 18h00m07s	 <b>Cosmos 2406</b> Rocket (28353 2004-021-B) →Ground track →Star chart	<div style="display: flex; justify-content: space-between;"> <div> <p><b>Appears</b> 17h48m23s 8.1mag az:212.4° SSW horizon</p> <p><b>Culmination</b> 17h56m27s 3.5mag az:298.5° WNW h:67.6°</p> <p>distance: 910.9km height above Earth: 850.6km elevation of Sun: -5° angular velocity: 0.48°/s</p> <p><b>at Meridian</b> 17h57m54s 3.4mag az: 0.0° N h:48.7°</p> <p><b>Disappears</b> 18h04m36s 5.6mag az: 25.1° NNE horizon</p> </div>  </div>
<input type="checkbox"/> 18h00m	 <b>Moon Sign</b>	Cancer 27°
<input type="checkbox"/> 18h00m	 <b>Sun Sign</b>	Sagittarius 1°

☼ 18h00m	Horoscope Chart	<b>Current Planets</b>			
		Planet	Sign	Degrees	Direction
		Sun	Sagittarius	0°33'20.0"	direct
		Moon	Cancer	26°34'24.4"	direct
		Mercury	Scorpio	11°57'44.7"	direct
		Venus	Capricorn	15°27'28.7"	direct
		Mars	Virgo	21°57'01.4"	direct
		Jupiter	Cancer	20°06'44.3"	retrograde
		Saturn	Scorpio	16°10'12.7"	direct
		Uranus	Aries	8°51'04.9"	retrograde
		Neptune	Pisces	2°36'07.1"	stationary
		Mean Node	Scorpio	6°22'16.7"	retrograde
		<b>Aspects</b>			
		Planet	Aspect	Planet	Orbes
		Sun	Trine	Moon	3°58'55.7"
		Moon	Conjunktion	Jupiter	6°27'40.0"
		Moon	Biquintil	Neptune	0°01'42.7"
		Moon	Semisquare	Aszendent	0°29'13.3"
		Mercury	Conjunktion	Saturn	4°12'28.0"
		Mercury	Conjunktion	Mean Node	5°35'28.0"
		Mercury	Quincunx	Aszendent	0°05'52.9"
		Venus	Trine	Mars	6°29'32.7"
		Venus	Opposition	Jupiter	4°39'15.6"
		Venus	Sextil	Saturn	0°42'44.0"
		Venus	Quintile	Mean Node	2°54'47.9"
		Mars	Sextil	Jupiter	1°50'17.1"
		Jupiter	Sesquisquare	Neptune	2°30'37.3"
		Uranus	Quincunx	Mean Node	2°28'48.2"
		Neptune	Trine	Mean Node	3°46'09.6"
☼	Observer Site	La tremblade, France WGS84: Lon: -1d08m25.21s Lat: +45d46m13.64s Alt: 53m All times in CET or CEST (during summer)			
☼	Local Date	Day of Year (DOY): 326 Week of Year (WOY): 47			
☼ 18.0h	♀ Venus	Magnitude=-4.6mag Best seen from 17.4h -20.1h (h <sub>top</sub> =16° at SSW at 17.4h) (in constellation Sagittarius) RA=19h08m01s Dec=-26°01.7' (J2000) Distance=0.507AU Elongation= 45° Phase k=36% Diameter=32.9"			
☼ 18h10m50s	 Resurs 1-3 Rocket (23343 1994-074-B) →Ground track →Star chart	<b>Appears</b> 18h04m14s 6.2mag az:175.2° S horizon <b>at Meridian</b> 18h06m38s 5.4mag az:180.0° S h:11.1° <b>Culmination</b> 18h10m50s 3.5mag az:259.0° W h:57.5° distance: 758.1km height above Earth: 651.4km elevation of Sun: -8° angular velocity: 0.56°/s <b>Disappears</b> 18h17m30s 5.8mag az:343.2° NNW horizon			
☼ 18h19m	☀ Sun	Sun 9° below horizon			
☼ 18h25m18s	 Aquarius (37673 2011-024-A) →Ground track →Star chart	<b>Appears</b> 18h18m37s 6.4mag az:161.4° SSE horizon <b>Culmination</b> 18h25m18s 2.8mag az: 74.7° ENE h:78.6° distance: 672.1km height above Earth: 660.1km elevation of Sun: -10° angular velocity:			

		0.63°/s <b>at Meridian</b> 18h26m23s 3.3mag az: 0.0° N h:51.5° <b>Disappears</b> 18h32m03s 6.3mag az:348.4° NNW horizon	
18h33m03 s	 Cosmos 2369 Rocket (26070 2000-006-B) →Ground track →Star chart	<b>Appears</b> 18h25m02s 6.3mag az:336.5° NNW horizon <b>at Meridian</b> 18h30m37s 4.0mag az: 0.0° N h:30.5° <b>Culmination</b> 18h33m03s 3.0mag az: 58.0° <b>ENE h:50.2°</b> distance: 1054.5km height above Earth: 841.4km elevation of Sun: -11° angular velocity: 0.42°/s <b>Disappears</b> 18h40m58s 5.8mag az:139.1° SE horizon	
18h37m	 Sun	<b>Dusk</b>	
18h40m27 s	 Yaogan 9A (36413 2010-009-A) →Ground track →Star chart	<b>Appears</b> 18h31m24s 9.8mag az:212.2° SSW horizon <b>at Meridian</b> 18h39m55s 5.5mag az:180.0° S h:74.6° <b>Culmination</b> 18h40m27s 5.3mag az:125.6° <b>SE h:80.9°</b> distance: 1048.0km height above Earth: 1036.7km elevation of Sun: -13° angular velocity: 0.41°/s <b>Disappears</b> 18h47m06s 7.1mag az: 40.2° NE h:11.0°	
18h40m37 s	 Yaogan 9B (36414 2010-009-B) →Ground track →Star chart	<b>Appears</b> 18h31m32s 9.9mag az:213.5° SSW horizon <b>at Meridian</b> 18h40m15s 5.4mag az:180.0° S h:79.8° <b>Culmination</b> 18h40m37s 5.3mag az:126.2° <b>SE h:84.0°</b> distance: 1042.5km height above Earth: 1037.6km elevation of Sun: -13° angular velocity: 0.41°/s <b>Disappears</b> 18h47m19s 7.1mag az: 39.7° NE h:10.8°	
18h40m48 s	 Yaogan 9C (36415 2010-009-C) →Ground track →Star chart	<b>Appears</b> 18h31m45s 9.8mag az:212.2° SSW horizon <b>at Meridian</b> 18h40m15s 5.5mag az:180.0° S h:74.6° <b>Culmination</b> 18h40m48s 5.3mag az:125.6° <b>SE h:80.9°</b> distance: 1047.0km height above Earth: 1035.9km elevation of Sun: -13° angular velocity: 0.41°/s <b>Disappears</b> 18h47m25s 7.1mag az: 40.2° NE h:11.1°	
18h40m55 s	 COBE (20322 1989-089-A) →Ground track →Star chart	<b>Appears</b> 18h32m55s 6.6mag az:161.9° SSE horizon <b>Culmination</b> 18h40m55s 3.4mag az: 73.9° <b>ENE h:86.6°</b> distance: 888.1km height above Earth: 886.7km elevation of Sun: -13° angular velocity: 0.47°/s <b>at Meridian</b> 18h41m20s 3.4mag az: 0.0° N h:77.7° <b>Disappears</b> 18h49m01s 6.6mag az:346.3°	

		NNW horizon
☉ 18h41m33s	 Resurs DK-1 (29228 2006-021-A) →Ground track →Star chart	<b>Appears</b> 18h35m07s 6.9mag az:331.7° NNW horizon <b>Culmination</b> 18h41m33s 3.1mag az:242.5° <b>WSW h:89.8°</b> distance: 572.6km height above Earth: 572.6km elevation of Sun: -13° angular velocity: 0.78°/s <b>at Meridian</b> 18h41m34s 3.1mag az:180.0° S h:89.5° <b>Disappears</b> 18h47m54s 6.5mag az:154.1° SSE horizon
☉ 18.9h	 <b>Deep-Sky Observing</b>	<b>Best time interval for observing dim objects: 18.9h-22.3h (3.4 hours)</b> <b>Prior to midnight</b>
☉ 18h54m	 Sun	Sun 15° below horizon
☉ 18.9h	 Uranus	Magnitude= 5.8mag Best seen from 18.9h - 2.2h ( $h_{top}=47^\circ$ at S at 21.5h) (in constellation Pisces) RA= 0h32m54s Dec= +2°46.6' (J2000) Distance=19.411AU Elongation=128° Diameter=3.6"
☉ 18h59m02s	 Meteor 3M Rocket (27006 2001-056-F) →Ground track →Star chart	<b>Appears</b> 18h50m22s 5.9mag az: 13.4° NNE horizon <b>at Meridian</b> 18h57m59s 3.4mag az: 0.0° N h:63.5° <b>Culmination</b> 18h59m02s 3.4mag az:287.1° <b>WNW h:81.9°</b> distance: 1001.3km height above Earth: 992.6km elevation of Sun: -16° angular velocity: 0.42°/s <b>Disappears</b> 19h07m39s 7.1mag az:200.3° SSW horizon

21 Items/Events:  [Export to Outlook/iCal](#)  [Print](#)  
Used satellite data set is from 23 November 2013