

Satellite	Sensor	Detailed information	Properties	Satellite orbit	Satellite overpass predictor	Swath	Spatial resolution	Wavelength
TERRA		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous circular orbit Altitude = 705 km Inclination = 98.5° descending nodal crossing at 10:30 am	<a href="https://www.n2yo.com/?s=25994">https://www.n2yo.com/?s=25994</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a> <a href="http://avdc.gsfc.nasa.gov/index.php?site=86639844&amp;id=18&amp;go=list&amp;path=%2FMOPIIT/kml">http://avdc.gsfc.nasa.gov/index.php?site=86639844&amp;id=18&amp;go=list&amp;path=%2FMOPIIT/kml</a>			
	MODIS	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Snow / sea ice / open water / clouds			2230 km	250 - 1000 m	36 channels 0.4 - 14.2 um
	CERES	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Solar and IR irradiance at TOA			3000 km	30 km	0.3-5 um, 0.3-100 um, 8-12 um
	MISR	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Snow / sea ice / clouds			380 km	250 m	0.446 um, 0.558 um, 0.672 um, 0.866 um
AQUA		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous circular orbit Altitude = 705 km Inclination = 98.2° equator crossing at 1:30 pm on ascending node	<a href="https://www.n2yo.com/?s=27424">https://www.n2yo.com/?s=27424</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a> <a href="http://avdc.gsfc.nasa.gov/index.php?site=458307901&amp;id=68&amp;go=list&amp;path=%2FMODIS/kml">http://avdc.gsfc.nasa.gov/index.php?site=458307901&amp;id=68&amp;go=list&amp;path=%2FMODIS/kml</a>			
	MODIS	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Snow / sea ice / open water / clouds			2230 km	250 - 1000 m	36 channels 0.4 - 14.2 um
	CERES	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Solar and IR irradiance at TOA			3000 km	30 km	0.3-5 um, 0.3-100 um, 8-12 um
	AMSU-A	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Temperature, Humidity			2250 km	48 km	15 channels 23.8 - 89 GHz
CALIPSO		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous circular orbit Altitude = 705 km Inclination = 98.2° equator crossing at 1:30 pm on ascending node	<a href="https://www.n2yo.com/?s=29108">https://www.n2yo.com/?s=29108</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a> <a href="http://avdc.gsfc.nasa.gov/index.php?site=98675770&amp;id=25&amp;go=list&amp;path=%2FSubsatellite/kml">http://avdc.gsfc.nasa.gov/index.php?site=98675770&amp;id=25&amp;go=list&amp;path=%2FSubsatellite/kml</a>			
	CALIOP	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Aerosol, Clouds			only nadir	0.3 km, 30m vertical	0.532 and 1.064 um
CLOUDSat		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous circular orbit Altitude = 705 km Inclination = 98.2° equator crossing at 1:30 pm on ascending node	<a href="https://www.n2yo.com/?s=29107">https://www.n2yo.com/?s=29107</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a> <a href="http://avdc.gsfc.nasa.gov/index.php?site=98675770&amp;id=25&amp;go=list&amp;path=%2FSubsatellite/kml">http://avdc.gsfc.nasa.gov/index.php?site=98675770&amp;id=25&amp;go=list&amp;path=%2FSubsatellite/kml</a>			
	CPR	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds			only nadir	3.5 x 1.4 km, 500m ve	94 GHz
Sentinel-3A		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Frozen sun-synchronous orbit mean altitude = 815 km Inclination = 98.6° Local Time on Descending Node at 10:00 hours	<a href="https://www.n2yo.com/?s=41335">https://www.n2yo.com/?s=41335</a>			
	OLCI	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Aerosol, Clouds, Ocean Color, Surface			1270 km	300 m	21 channels 0.4-1.0 um
	SLSTR	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Surface			1400 km	500 - 1000 m	11 channels 0.55 - 12 um
Metop-A		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous circular orbit Altitude = 827 km Inclination = ??? equator crossing at 9:30 am on descending node	<a href="https://www.n2yo.com/?s=29499">https://www.n2yo.com/?s=29499</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a>			
	AVHRR/3	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, surface, water vapor			2900 km	1100 m	6 channels, 0.63 um, 0.86 um, 1.61 um, 3.74 um, 10.8 um, 12.0 um
	AMSU-A	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Temperature, Humidity			2250 km	48 km	15 channels 23.8 - 89 GHz
	MHS	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Water Vapor			2180 km	16 km	89 GHz, 157 GHz, 183 GHz, 190 GHz
	IASI	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Temperature, Humidity, Trace Gases			2130 km	4x 12 km	8461 interferometer channels 3.6-12.5 um
	GOME-2	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Water Vapour, Trace Gases, Clouds, Phytoplankton			960-1920 km	40x40 or 40x80 km	UV/VIS/NIR grating spectrometer, four bands, (0.24-0.78 um)
Metop-B		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous circular orbit Altitude = 827 km Inclination = ??? equator crossing at 9:30 am on descending node	<a href="https://www.n2yo.com/?s=38771">https://www.n2yo.com/?s=38771</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a>			
	AVHRR/3	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, surface, water vapor			2900 km	1100 m	6 channels, 0.63 um, 0.86 um, 1.61 um, 3.74 um, 10.8 um, 12.0 um
	AMSU-A	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Temperature, Humidity			2250 km	48 km	15 channels 23.8 - 89 GHz
	MHS	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Water Vapor			2180 km	16 km	89 GHz, 157 GHz, 183 GHz, 190 GHz
	IASI	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Temperature, Humidity, Trace Gases			2130 km	4x 12 km	8461 interferometer channels 3.6-12.5 um
	GOME-2	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Water Vapour, Trace Gases, Clouds, Phytoplankton			960-1920 km	40x40 or 40x80 km	UV/VIS/NIR grating spectrometer, four bands, (0.24-0.78 um)
Suomi NPP		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous near-circular polar orbit Altitude = 833 km Inclination = 98.74° Local Time on Ascending Node at 13:30 hours	<a href="https://www.n2yo.com/?s=37849">https://www.n2yo.com/?s=37849</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a> <a href="http://avdc.gsfc.nasa.gov/index.php?site=1402617180&amp;id=63&amp;go=list&amp;path=%2FSubsatellite/kml">http://avdc.gsfc.nasa.gov/index.php?site=1402617180&amp;id=63&amp;go=list&amp;path=%2FSubsatellite/kml</a>			
	VIIRS	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, surface, Aerosol, water Vapor			3000 km	375 - 750 m	22 channels 0.41 - 12 um
	CERES	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Solar and IR irradiance at TOA			3000 km	30 km	0.3-5 um, 0.3-100 um, 8-12 um
	ATMS	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Temperature, Humidity, Clouds			2200 km	16 - 75 km	22 channels 24 - 183 GHz
NOAA-18		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous orbit Altitude = 854 km Inclination = 99.2° Mean local solar time on ascending node at 17:53	<a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a>			
	AVHRR/3	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, surface, water vapor			2900 km	1100 m	6 channels, 0.63 um, 0.86 um, 1.61 um, 3.74 um, 10.8 um, 12.0 um

	<b>AMSU-A</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Temperature, Humidity			2250 km	48 km	15 channels 23.8 - 89 GHz
	<b>MHS</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Water Vapor			2180 km	16 km	89 GHz, 157 GHz, 183 GHz, 190 GHz
<b>NOAA-19</b>		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous orbit Altitude = 870 km Inclination = 99.1° Mean local solar time on ascending node at 14:36	<a href="https://www.n2yo.com/?s=33591">https://www.n2yo.com/?s=33591</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a>			
	<b>AVHRR/3</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, surface, water vapor			2900 km	1100 m	6 channels, 0.63 um, 0.86 um, 1.61 um, 3.74 um, 10.8 um, 12.0 um
	<b>AMSU-A</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Temperature, Humidity			2250 km	48 km	15 channels 23.8 - 89 GHz
	<b>MHS</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Water Vapor			2180 km	16 km	89 GHz, 157 GHz, 183 GHz, 190 GHz
<b>Landsat-7</b>		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous orbit (am orbit) Altitude = 705 km Inclination = 98.2° Period = 99 minutes Nominal descending equator crossing time at 10:00 to 10:1	<a href="http://www.n2yo.com/?s=25682">http://www.n2yo.com/?s=25682</a> <a href="https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi">https://cloudsgate2.larc.nasa.gov/cgi-bin/predict/predict.cgi</a>			
	<b>ETM+</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Surface, Snow, Aerosol, Clouds			185 km	15 - 60 m	8 channels 0.48 - 11.45 um
<b>Landsat-8/LDCM</b>		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous near-circular orbit Altitude = 705 km Inclination = 98.2° Nominal local time on descending node at 10:00	<a href="https://www.n2yo.com/?s=39084">https://www.n2yo.com/?s=39084</a>			
	<b>OLI</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Surface, Snow, Aerosol, Clouds			185 km	15 - 30 m	9 channels 0.44 - 2.15 nm
	<b>TIRS</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Water Vapor, Clouds, Temperature			185 km	120 m	10.8 um, 12.0 um
<b>JPSS-1 (Launch 3/2017)</b>		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous near-circular polar orbit Altitude = 824 km Inclination = 98.74° Local Time on Ascending Node at 13:30 hours				
	<b>VIIRS</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, surface, Aerosol, water Vapor			3000 km	375 - 750 m	22 channels 0.41 - 12 um
	<b>RBI</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Solar and IR irradiance at TOA			3000 km	30 km	0.3-5 um, 0.3-100 um, 5-50 um
	<b>ATMS</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Temperature, Humidity, Clouds			2200 km	16 - 75 km	22 channels 24 - 183 GHz
<b>Sentinel-3B (Launch 3/2017)</b>		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Frozen sun-synchronous orbit mean altitude = 815 km Inclination = 98.6° Local Time on Descending Node at 10:00 hours				
	<b>OLCI</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Aerosol, Clouds, Ocean Color, Surface			1270 km	300 m	21 channels 0.4-1.0 um
	<b>SLSTR</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Clouds, Surface			1400 km	500 - 1000 m	11 channels 0.55 - 12 um
<b>AURA</b>		<a href="https://www.wmo-sat.info/oscar/sate">https://www.wmo-sat.info/oscar/sate</a>		Sun-synchronous near-circular polar orbit Altitude = 705 km Inclination = 98.7° Local Time on Ascending Node at 13:45 hours				
	<b>OMI</b>	<a href="https://www.wmo-sat.info/oscar/instr">https://www.wmo-sat.info/oscar/instr</a>	Phytoplankton			2600 km	13 x 24 km	3 channels 0.27 - 0.50 um

References:  
<https://directory.eoportal.org/web/eoportal/satellite-missions>  
<https://www.n2yo.com/satellites/?c=most-popular>