



Satellite Comparison Table

Satellite	Sensors	Subsensors	Swath width	Bands	Spatial Resolution	Altitude	Orbit	Repeat	More
Landsat 5	Multispectral scanner, (MSS)		185 Km	1-5&7 +6	30 - 129 m	705 Km	Sun Synchronous	16 days or 233 orbits.	http://www.ga.gov.au/remote-sensing/satellites-sensors/landsat/index.jsp
	Thematic Mapper, TM								
Landsat 7	Enhance Thematic Mapper Plus, (ETM+)		185 Km	1-5&7+6+8	15 - 60 m	705 Km	Sun Synchronous	16 days or 233 orbits.	http://www.ga.gov.au/remote-sensing/satellites-sensors/landsat/index.jsp
Terra, EOS-AM1	Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)	Visible and Near Infrared(VNIR)	60 Km	1 to 3	15 Km	705 Km	Sun Synchronous	16 days	http://www.ga.gov.au/remote-sensing/satellites-sensors/modis.jsp
		Shortwave Infrared (SWIR)	60 Km	4 to 9	30 Km				
		Thermal Infrared (TIR)	60 Km	10 to 14	90 Km				
	Moderate Resolution Imaging Spectroradiometer (MODIS)		2330 Km	1 to 36	250 -1000 m				
Aqua, EOS-PM1	Moderate Resolution Imaging Spectroradiometer (MODIS)		2330 Km	1 to 36	250 -1000 m	705 Km	Sun Synchronous	16 days.	http://www.ga.gov.au/remote-sensing/satellites-sensors/modis.jsp
ALOS, Advanced Land Observing Satellite	Panchromatic Remote Sensing Instrument for Stereomapping (PRISM)		35-70 Km		2.5 m	692 Km	Sun synchronous	46 days	http://www.ga.gov.au/remote-sensing/satellites-sensors/alos.jsp
	Advanced Visible and Near Infrared Radiometer type 2 (AVNIR-2)		70 Km	1 to 4	10 m				
	Phased Array type L-band Synthetic aperture radar (PALSAR)		30 - 70 Km	Radar	10 - 100 m				
NOAA	Advanced Very High Resolution Radiometer (AVHRR)		2399 Km	1 to 5		833 Km	Sun synchronous	9 days	http://www.ga.gov.au/remote-sensing/satellites-sensors/noaa.jsp
Radarsat-1	Synthetic Aperture Radar (SAR)			Radar				24 days	http://www.ga.gov.au/remote-sensing/satellites-sensors/radarsat-1.jsp
Resourcesat-1	Linear Imaging and Self Scanning sensor (LISS-III)		141Km	2 to 4	23.5 m	817 Km		24 days	http://www.ga.gov.au/remote-sensing/satellites-sensors/resource-1.jsp
	Advanced Wide Field Sensor (AWiFS)		740km		56 m			5 days	