



International Charter "Space and Major Disasters" Satellites



Argentina's Comision Nacional de Actividades Espaciales (CONAE)

Country: Argentina
Satellite: SAC-C

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
234 m	Pan	450-520 nm	900 km	

Sensor: HSTC - High Sensitivity Camera (Night View)

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
175 m	1	480-500 nm	360 km	
	2	540-560 nm		
	3	630-690 nm		
	4	795-835 nm		
	5	1550-1700 nm		

Sensor: MMRS - Multispectral Medium Resolution Scanner

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
35 m	Pan	400-900 nm	90 km	

Sensor: HRTC - High Resolution Technological Camera

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
35 m	Pan	400-900 nm	90 km	



SAC-C

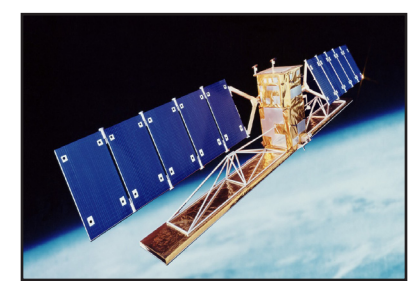


Canadian Space Agency (CSA)

Country: Canada
Satellite: RADARSAT-1

Sensor: Advanced radar/C Band/HH Polarization

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
8m	Fine	15	50 x 50 km	1-3Days
25m	Standard	7	100 x 100 km	
30m	Wide	3	150 x 150 km	
50m	ScanSAR Narrow	2	300 x 300 km	
100m	ScanSAR Wide	2	500 x 500 km	
25m	Extended High	3	75 x 75 km	
35m	Extended Low	1	170 x 170 km	



RADARSAT-1

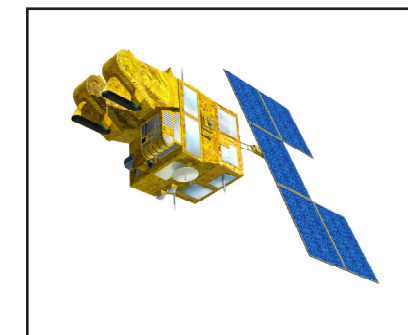


Centre National d'etudes Spatiales (CNES)

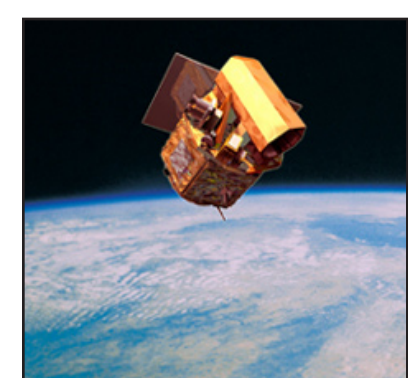
Country: France
Satellite: Spot 1,2,3 (Spot-1, 3 are used for archive data only)

Sensor: HRV (x 2)

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
20m	1	500-590 nm	60 km (120 km)	1-3 Days
	2	610-670 nm		
	3	780-890 nm		
10m	Pan	510-700 nm		



Spot 1,2,3,4,5



FORMOSAT-2

Satellite: Spot 4
Sensor: HRVIR (x 2)

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
20m	1	500-590 nm	60 km (120 km)	1-3 Days
	2	610-690 nm		
	3	780-890 nm		
	SWIR	1580-1700 nm		
10m	2 - Used as Pan	1580-1700 nm		

Satellite: Spot 5
Sensor: HRG (x 2)

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
10 m	1	500-590 nm	60 km (120 km)	1-3 Days
	2	610-690 nm		
	3	780-890 nm		
20 m	SWIR	1580-1700 nm		
2.5 m -5 m	Pan	490-690 nm		

Satellite: Spot 5
Sensor: HRS

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
10 m	Pan	490-690 nm	120 km	1-3 Days

Satellite: Spot 4, 5
Sensor: VEGETATION

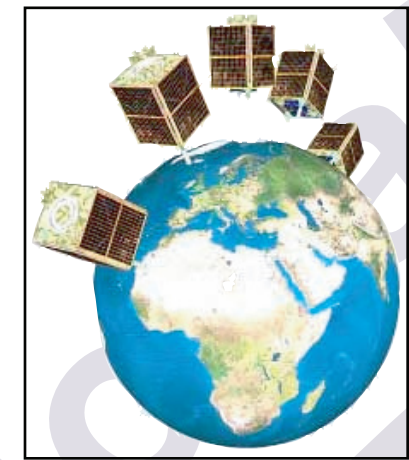
Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
1165 m	0	430-470 nm	2250 km	Daily
	2	610-690 nm		
	3	780-890 nm		
	SWIR	1580-1700 nm		

Country: Taiwan
Company: NSPO
Distributor: SPOI-IMAGE
Satellite: FORMOSAT-2
Sensor: HSTC - High Sensitivity Camera (Night View)

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
8 m	1	450-520 nm	24 km	Daily
	2	520-600 nm		
	3	630-690 nm		
	4	760-900 nm		
2 m	Pan	450-900 nm		



Disaster Monitoring Constellation (DMC)



UK-DMC

Beijing-1

NigeriaSat-1

Bilsat-1

Alsat-1

Country: UK (SSTL)
Satellite: UK-DMC
Sensor: DMC

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
32 m	1	520-600 nm	660 km	Daily
	2	630-690 nm		
	3	770-900 nm		

Country: China (BLMIT)
Satellite: Beijing-1
Sensor: DMC+4

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
32 m	1	520-600 nm	660 km	
	2	630-690 nm		
	3	770-900 nm		
4 m	Pan	500-800 nm	24 km	

Country: Nigeria (NASRDA)
Satellite: NigeriaSat-1
Sensor: DMC

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
32 m	1	520-600 nm	660 km	
	2	630-690 nm		
	3	770-900 nm		

Country: Turkey (BILTEN)
Satellite: Bilsat-1
Sensor: DMC

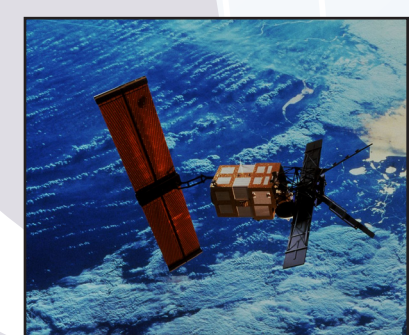
Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
26 m	1	520-600 nm	600 km	
	2	630-690 nm		
	3	770-900 nm		
12 m	Pan	500-800 nm	300 km	

Country: Algeria (CNTS)
Satellite: Alsat-1
Sensor: DMC

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
32 m	1	520-600 nm	660 km	
	2	630-690 nm		
	3	770-900 nm		



European Space Agency (ESA)



ERS



ENVISAT



Proba

Country: 17 European members (Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Norway, the Netherlands, Portugal, Spain, Sweden, Switzerland and the United Kingdom).

Satellite: ERS
Sensor: AMI SAR (archives since 1991)

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
25 m	C band/VV Polarization	100 km	100 km	+/- 12-20 days

Satellite: ENVISAT
Sensor: ASAR

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
25 Image/Wave	150 m Wide	100 km (wave 5km)	400 km	
1000 Global		400 km		

Satellite: PROBA
Sensor: CHRIS/Hyperspectral

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
18-36 m	19-63	400-1050 nm	14 km	+/- 7 Days

Satellite: PROBA
Sensor: HRC/High Resolution Camera

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
5 m	Pan	500-800 nm	5 km	+/- 7 Days



Indian Space Research Organisation (ISRO)



RESOURCESAT-1



Cartosat-1

Country: India
Satellite: Resourcesat-1 (IRS-P6)
Sensor: LISS-4

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
5.8 m	2	520-590 nm	23 km MSS	5 Days
	3	620-680 nm	70 km Pan	
	4	770-860 nm		

Sensor: LISS-3

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
23.5 m	2	520-590 nm	141 km	24 Days
	3	620-680 nm		
	4	770-860 nm		
	5	1550-1770 nm		

Sensor: AWIFS

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
56 m	2	520-590 nm	740 km	5 Days
	3	620-680 nm		
	4	770-860 nm		
	5	1550-1700 nm		

Satellite: Cartosat-1 (IRS-5)
Sensor: PRISM

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
2.5 m	Pan	500-850 nm	30 km	5 Days



Japan Aerospace Exploration Agency (JAXA)



ALOS

Country: Japan
Satellite: ALOS
Sensor: PRISM

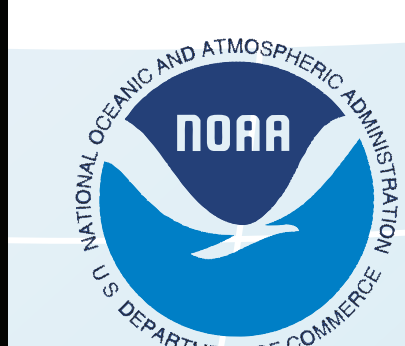
Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
2.5 m	Pan	520-770 nm	35 km triplet 70 km wide	

Sensor: AVNIR-2

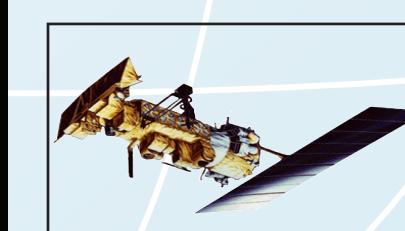
Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
10 m	1	420-500 nm	70 km	2 Days
	2	520-600 nm		
	3	610-690 nm		
	4	760-890 nm		

Sensor: PALSAR

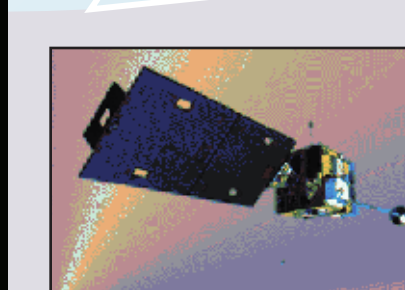
Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
10 m	L Band/HH or VV polarization	Fine(FBS)	70 km	2 Days
20 m	L Band/HH/HV or VV/VH polarization	Fine (FBD)	70 km	
20 m	L Band/HH or VV polarization	Direct Downlink (DSN)	70 km	
100 m	L Band/HH or VV polarization	Scan SAR	250-350 km	
30 m	L Band/HH/HV /VV/VH polarization	Polarimetric	30 km	



National Oceanic and Atmospheric Administration (NOAA)



POES



GOES

Country: United States
Satellite: POES
Sensor: AVHRR/NOAA 7.9,11,12,14

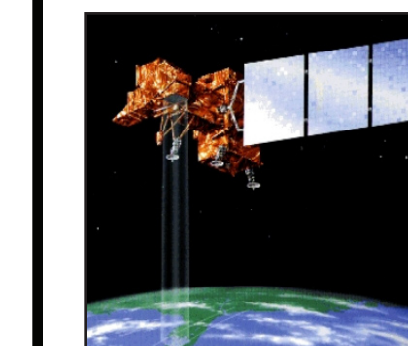
Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
1100 m	1	580-680 nm	2048 km	Daily
	2	725-1100 nm		
	3	3550-3930 nm		
	4	10300-11300 nm		
	5	11500-12500 nm		

Satellite: GOES
Sensor: GOES I-M

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
1000 m	1	550-750 nm	Full Earth Disc	Daily
4000 m	2	3800-4000 nm		
8000 m	3	6500-7000 nm		
4000 m	4	10200-11200 nm		
4000 m	5	11500-12500 nm		



United States Geological Survey (USGS)



Landsat 7



Landsat 5



Quickbird



IKONOS



GeoEye-1

Country: United States
Satellite: Landsat 7
Sensor: ETM+ Enhanced Thematic Mapper Plus

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
30 m	1	450-520 nm	185 km	16 Days
	2	520-600 nm		
	3	630-690 nm		
	4	760-900 nm		
	5	1550-1750 nm		
60 m	6	10400-12500 nm		
30 m	7	2080-2350 nm		
15 m	8	520-900 nm		

Satellite: Landsat 5
Sensor: TM Thematic Mapper

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
30 m	1	450-520 nm	185 km	16 Days
	2	520-600 nm		
	3	630-690 nm		
	4	760-900 nm		
	5	1550-1750 nm		
120 m	6	10400-12500 nm		
30 m	7	2080-2350 nm		

Company: Digital Globe
Satellite: QuickBird

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
2.4 m	1	450-520 nm	16.5 km	
	2	520-600 nm		
	3	630-690 nm		
	4	760-900 nm		
60 cm	Pan	445-900 nm		

Company: GeoEye
Satellite: IKONOS

Spatial Res	Spectral Bands /Modes	Spectral Range /No Beams	Swath Width	Revisit Time
3.2 m	1	445-516 nm	11 km	1-3 Days
	2	506-595 nm		
	3	632-69		