Satellites of the International Charter 'Space and Major Disasters'

ABAE

Bolivarian Agency for Space Activities (ABAE)

Country: Venezuela

Satellite: VRSS-1
Sensor: PMC

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
10 m	1	450-520 nm	29 km	Nadir: 57 days Off Nadir: 4 days
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		
2, 5 m	Pan	450-900 nm		

Sensor: WMC

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
16 m	1	450-520 nm	180 km	Nadir:57 days Off Nadir: 4 days
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		

Operational modes: Nadir viewing and roll maneuver (± 30°)

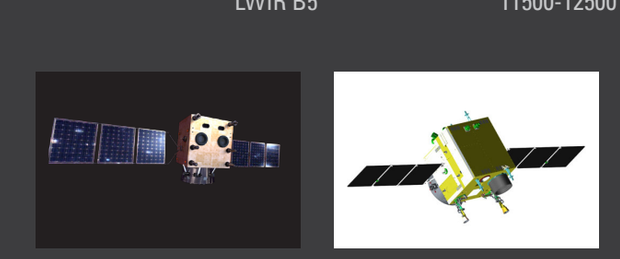
Satellite: VRSS-2
Sensor: HRC

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
3 m	1	450-520 nm	30 km	Nadir:101 days Off Nadir: 4 days
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		
1 m	Pan	500-800 nm		

Operational modes: Nadir viewing and roll maneuver (± 35°)

Sensor: IRC

Spatial Res	Spectral Bands	Spectral Center	Swath Width	Revisit
30 m	SWIR B1	900-1100 nm	30 km	Nadir:101 days Off Nadir: 4 days
	SWIR B2	1180-1300 nm		
	SWIR B3	1550-1700 nm		
60 m	LWIR B4	10300-11300 nm		
	LWIR B5	11500-12500 nm		



VRSS-1 VRSS-2

CNES

Centre National d'Études Spatiales (CNES)

Country: France

Satellite: Pléiades-1A, Pléiades-1B
Sensor: PLÉIADES-HR

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
2.8 m**	1	430-563 nm	20 km	daily
	2	497-620 nm		
	3	587-725 nm		
	4	737-948 nm		
0.7 m**	Pan	457-848 nm		

***Products resampled to 0.5/2.0 m*

Satellite: SPOT-6, SPOT-7
Sensor: SPOT

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
6 m	1	455-525 nm	60 km	daily
	2	530-590 nm		
	3	625-695 nm		
	4	760-890 nm		
1.5 m	Pan	450-750 nm		

PLÉIADES SPOT series

CNSA

China National Space Administration (CNSA)

Country: China

Satellite: Gaofen-1 (GF-1)
Sensor: PMS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
2 m	1	450-900 nm	70 km (2 camera)	4 days Nadir to +-35°
8 m	2	450-520 nm		
8 m	3	520-590 nm		
8 m	4	630-690 nm		
8 m	5	770-890 nm		

Sensor: WFV

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
16 m	6	450-520 nm	800 km (200 * 4 camera)	2 days Nadir to +-25°
	7	520-590 nm		
	8	630-690 nm		
	9	770-890 nm		

Satellite: Gaofen-2 (GF-2)
Sensor: PMS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
0.8 m	1	450-900 nm	45 km	5 days
3.2 m	2	450-520 nm		Nadir to +-35°
3.2 m	3	520-590 nm		5 days
3.2 m	4	630-690 nm		Global Coverage
3.2 m	5	770-890 nm		

Satellite: Gaofen-3 (GF-3)
Sensor: SAR-C (C Band SAR)
Polarization: Multiple (HH, HV, VH, VV)

	Swath Width	Revisit
Spatial Res. (m) 1.0, 3.0, 5.0, 8.0, 10.0, 25.0, 50.0, 100.0, 500.0	650 km	29 days

**Gaofen 3's SAR radar instrument has 12 imaging modes, ranging from wide-area imaging to close-up shots with a best resolution of 1 meter.*

Satellite: Gaofen-4 (GF-4)
Sensor: Multispec

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
50 m	1	450-900 nm	650 km	Daily
	2	450-520 nm		
	3	520-560 nm		
	4	630-690 nm		
	5	760-900 nm		
400 m	6	3500-4100 nm		

**Gaofen 4 is a geostationary earth observation satellite that is stationed over the Eastern Hemisphere, primarily observing China and the surrounding countries.*

Satellite: FengYun-3 C (FY-3C)
Sensor: VIRR

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1.1 km	1	0.58-0.68	2,600 km	5.5 days
	2	0.84-0.89		
	3	3.55-3.93		
	4	10.3-11.3		
	5	11.5-12.5		
	6	1.55-1.64		
	7	0.43-0.48		
	8	0.48-0.53		
	9	0.53-0.58		
	10	1.325-1.395		

Sensor: MERSI

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
250 m	1	470 nm	2,600 km	5.5 days
250 m	2	550 nm		
250 m	3	650 nm		
250 m	4	865 nm		
1.1 km	5	1125 nm		
1.1 km	6	1640 nm		
1.1 km	7	2130 nm		
1.1 km	8	412 nm		
1.1 km	9	443 nm		
1.1 km	10	490 nm		
1.1 km	11	520 nm		
1.1 km	12	565 nm		
1.1 km	13	650 nm		
1.1 km	14	685 nm		
1.1 km	15	765 nm		
1.1 km	16	865 nm		
1.1 km	17	905 nm		
1.1 km	18	940 nm		
1.1 km	19	980 nm		
1.1 km	20	1030 nm		

Satellite: Beijing-2
Sensor: VHRI-100

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
0.8 m	1	440-510 nm	23 km	n/a
	2	510-590 nm		
	3	600-670 nm		
	4	760-910 nm		
	Pan	450-650 nm		

Satellite: JILIN-01 Optical A, 03, 04, 05, 06, 07, 08
Sensor: PMS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
OP A = .80 m	1	450-520 nm	11 km	9 days
all others = .92 m	2	520-600 nm		
	3	630-690 nm		
	Pan	500-800 nm		

Satellite: OHS-2A, 2B, 2C, 2D
Sensor: HS

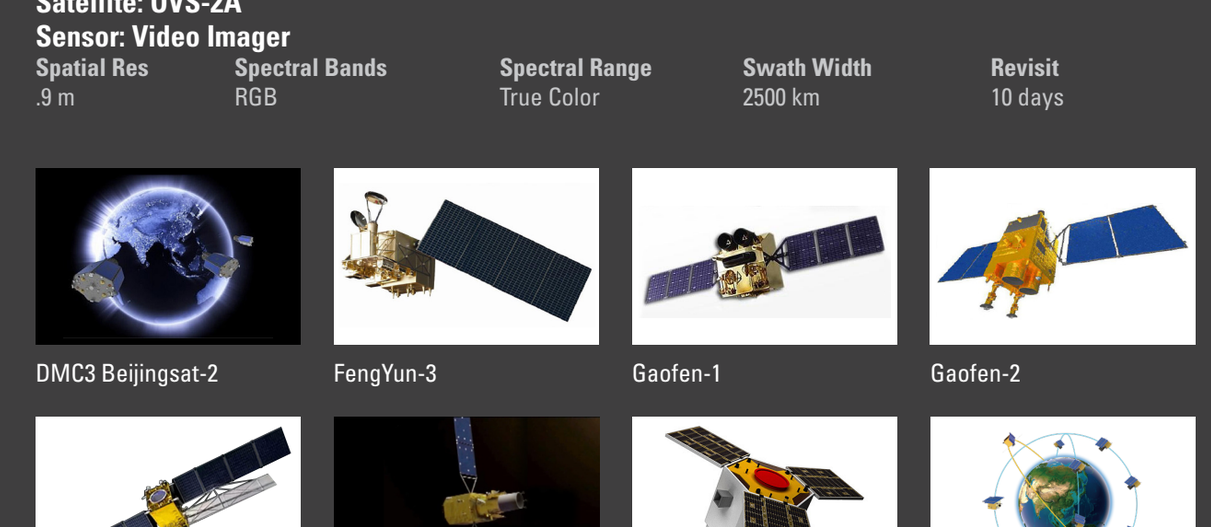
Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
10 m	32 bands	400 - 10000 nm	150 km	10 days

Satellite: OVS-1A, 1B
Sensor: Video Imager

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1.98 m	RGB	True Color	6 km	60 days

Satellite: OVS-2A
Sensor: Video Imager

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
.9 m	RGB	True Color	2500 km	10 days



DMC3 Beijingsat-2 FengYun-3 Gaofen-1 Gaofen-2
Gaofen-3 Gaofen-4 JILIN-1 Optical A1 Zhuhai-1 OHS OVS Constellation

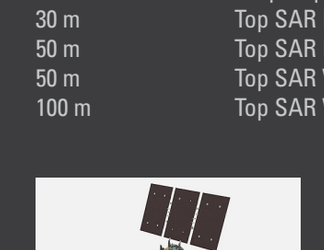
CONAE

National Commission for Space Activities (CONAE)

Country: Argentina

Satellite: SAOCOM-1A, 1B
Sensor: SAR-SA01A

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
10 m	StripMap DP	L-band SAR	55 km	2 days
10 m	StripMap QP	(HH-HV, VHVV)	25 km	
30 m	Top SAR Narrow DP	(dual-pol, quad-pol)	150 km	
50 m	Top SAR Narrow QP		110 km	
50 m	Top SAR Wide DP		360 km	
100 m	Top SAR Wide QP		225 km	



SAOCOM-1A, 1B

CSA

Canadian Space Agency (CSA)

Country: Canada

Satellite: Radarsat Constellation Mission (RCM) 1, 2, 3
Sensor: SAR RCM (C Band)
Polarization: Multiple (HH, HV, VH, VV, and CP)

Spatial Res	Operating Modes	Swath Width	Revisit
1 m	SpotLight	20 x 5 km	4 days
3 m	Very High Resolution	20 x 20 km	
5 m	High Resolution	30 x 30 km	
9 m	Quad-Polarization	20 x 20 km	
16 m	Medium Resolution	30 x 30 km	
30 m	Medium Resolution	125 x 125 km	
50 m	Medium Resolution	350 x 350 km	
100 m	Low Resolution	500 x 500 km	
100 m	Low Noise	350 x 350 km	

Satellite: RADARSAT-2
Sensor: Advanced Radar (C Band)
Polarization: Multiple (HH, HV, VV, and VH)

Spatial Res	Operating Modes	Swath Width	Revisit
1 m	SpotLight	18 x 8 km	24 days
3 m	Ultra-Fine	20 x 20 km	
3 m	Wide Ultra-Fine	50 x 50 km	
5 m	Extra Fine	150 x 150 km	
8 m	Multi-Look Fine	50 x 50 km	
8 m	Wide Multi-Look Fine	90 x 50 km	
8 m	Fine	50 x 50 km	
8 m	Wide Fine	150 x 150 km	
8 m	Fine Quad-Pol	25 x 25 km	
8 m	Wide Fine Quad-Pol	50 x 25 km	
25 m	Standard	100 x 100 km	
25 m	Wide	150 x 150 km	
25 m	Standard Quad-Pol	25 x 25 km	
25 m	Wide Standard Quad-Pol	50 x 25 km	
25 m	Extended High	75 x 75 km	
25 m	Extended Low	170 x 170 km	
60 m	ScanSAR Narrow	300 x 300 km	
100 m	ScanSAR Wide	500 x 500 km	

Radarsat Constellation Mission (RCM) RADARSAT-2

DLR

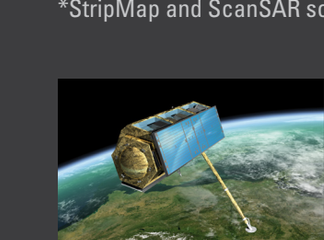
German Aerospace Centre (DLR)

Country: Germany

Satellite: TerraSAR-X, TanDEM-X
Sensor: Advanced Radar (X Band)
Polarization: Multiple (HH, HV, VV, and VH)

Spatial Res	Operating Modes	No. Beams	Swath Width	Revisit
1 m	High-Res SpotLight		10 x 5 km	4 days
2 m	SpotLight		10 x 10 km	
3 m	StripMap		30 x 50 km*	
18.5 m	ScanSAR		100 x 150 km*	
40 m	Wide ScanSAR		270 x 200 km*	

*StripMap and ScanSAR scene length extendable to 1650 km, Wide ScanSAR extendable to 1500 km



TerraSAR-X, TanDEM-X

ESA

European Space Agency (ESA)

Country: 22 member states (Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, and the United Kingdom); Canada (Cooperation Agreement)

Satellite: Sentinel-1A/1B, operated by ESA in the frame of the European Union Copernicus Programme
Sensor: C-band synthetic aperture radar (SAR)
Polarization: Multiple (HH, VV, HH+HV, VV+VH)

Spatial Res	Operating Modes	No. Beams	Swath Width	Revisit
5 x 20 m	Interferometric wide-swath		250 km	12 days
5 x 5 m	Wave		20 x 20 km	
5 x 5 m	StripMap		80 km	
20 x 40 m	Extra wide-swath		400 km	

*off nadir

Satellite: Sentinel-2A/2B, operated by ESA in the frame of the European Union Copernicus Programme
Sensor: Multi-spectral Instrument (MSI)

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
60 m	1	433-453 nm	290 km	10 days
10 m	2	425-555 nm		
10 m	3	525-595 nm		
10 m	4	635-695 nm		
20 m	5	690-720 nm		
20 m	6	725-755 nm		
20 m	7	763-803 nm		
10 m	8	727-957 nm		
20 m	8a	845-885 nm		
60 m	9	925-965 nm		
60 m	10	1345-1405 nm		
20 m	11	1520-1700 nm		
20 m	12	2010-2370 nm		

Sentinel-1A/1B Sentinel-2A/2B

EUMETSAT

European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT)

Country: 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom)

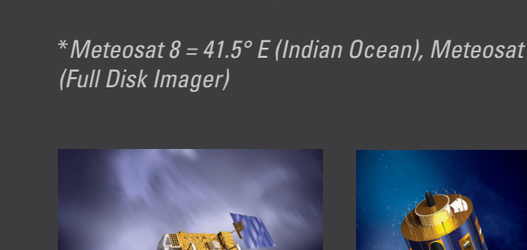
Satellite: Metop-A, B, C
Sensor: ADCS, AMSU-A1, AMSU-A2,AVHRR, HIRS, MHS, ASCAT, GOME-2, GRAS, IASI, SARP, SARR, SEM

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1100 m	1	580-680 nm	2048 km	2 per day
	2	725-1100 nm		
	3	3550-3930 nm		
	4	10300-11300 nm		
	5	11500-12500 nm		

Satellite: Meteosat Second Generation Series
Sensor: SEVIRI Meteosat-8, -9, -10, -11

Spatial Res	Spectral Bands	Spectral Center	Swath Width	Revisit
3000 m	1	600 nm	Full Earth Disc	15-mins
3000 m	2	800 nm		
3000 m	3	1600 nm		
3000 m	4	3900 nm		
3000 m	5	6200 nm		
3000 m	6	7300 nm		
3000 m	7	8700 nm		
3000 m	8	9700 nm		
3000 m	9	10800 nm		
3000 m	10	12000 nm		
3000 m	11	13400 nm		
1000 m	12	400-1100 nm		

**Meteosat 8 = 41.5° E (Indian Ocean), Meteosat 9 = 3.5° E. (Rapid Scan), 10 = 9.5° E. (Rapid Scan), Meteosat 11 = 0° E. (Full Disk Imager)*



Metop Meteosat Second Generation

ICEYE

ICEYE

Country: Finland

Satellite: ICEYE-X2, X3, X4, X5, X6, X7
Sensor: Synthetic Aperture Radar (SAR)

Spatial Res	Operating Modes	Swath Width	Revisit
HR 3 m	Strip Map	30 k	1 day
VHR 1 m	Spotlight	5 k	1 day

ICEYE-X2, X3, X4, X5, X6, X7

INPE

National Institute for Space Research (INPE)

Country: Brazil

Satellite: CBERS-4A
Sensor: WPM

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
2 m	Pan	450-890 nm	95 km	5 days
8 m	1	450-520 nm		
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		

Sensor: MUX

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
16 m	1	450-520 nm	95 km	5 days
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		

Sensor: WFI

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
55 m	1	450-520 nm	685 km	5 days
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		

Satellite: CBERS-4
Sensor: PAN

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
5 m	1	510-850 nm	60 km	3 days
10 m	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		

Sensor: Mux

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
20 m	1	450-520 nm	120 km	26 days
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		

Sensor: AWFI

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
64 m	1	450-520 nm	866 km	3 days
	2	520-590 nm		
	3	630-690 nm		
	4	770-890 nm		

CBERS4 Series

ISRO

Indian Space Research Organisation (ISRO)

Country: India

Satellite: Cartosat-2, 2A, 2B

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1 m	Pan	500-850 nm	9.8 km (Spot/Strip) 18 km (Paintbrush)	4-5 days

Satellite: Cartosat-2E
Sensor: PAN

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
.65 m	Pan	450-900 nm	9.6 km	5 days

Sensor: MX

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
.65 m	1	450-520 nm	9.6 km	5 days
	2	520-590 nm		
	3	620-680 nm		
	4	770-860 nm		

Satellite: Resourcesat-2, 2A
Sensor: LISS-4

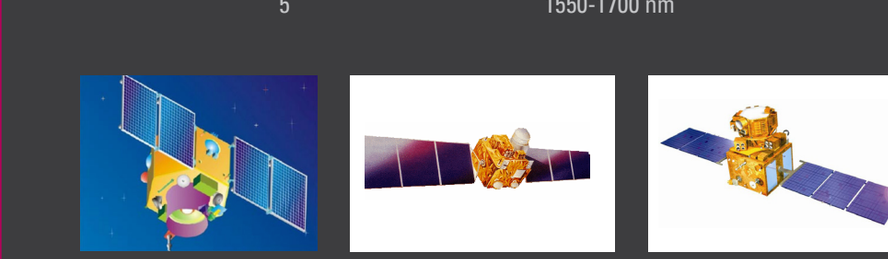
Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
5.8 m	2	520-590 nm	23 km/70 km	2.5 days
	3	620-680 nm		
	4	770-860 nm		

Sensor: LISS-3

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
23 m	2	520-590 nm	141 km	12 days
	3	620-680 nm		
	4	770-860 nm		
	5	1550-1700 nm		

Sensor: AWiFS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
56 m	2	520-590 nm	740 km	2.5 days
	3	620-680 nm		
	4	770-860 nm		
	5	1550-1700 nm		



Cartosat-2 RESOURCESAT-2 RESOURCESAT-2A

JAXA

Japan Aerospace Exploration Agency (JAXA)

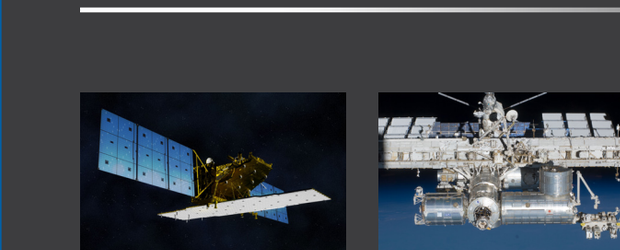
Country: Japan

Satellite: DAICHI-2 (ALOS-2)
Sensor: PALSAR-2 (L Band SAR)
Polarization: Multiple (HH, HV, VV, and VH)

Spatial Res	Operating Modes	No. Beams	Swath Width	Revisit
1-3 m	SpotLight		25 km	14 days
3-10 m	StripMap		50 km or 70 km	
100 m	Scan SAR		350 km or 490 km	

Satellite: Japanese Experiment Module – Kibo on International Space Station (ISS)
Sensor: KIBO HDTV-EF2

Spatial Res	Operating Modes	Spectral Range	Swath Width	Revisit Time
15 m	SpotLight High	Visible Light	26 x 15 km	ISS Orbit
55 m	SpotLight Middle		100 x 60 km	
55 m	StripMap Middle		100 x 60 km	
260 m	StripMap Wide		500 x 290 km	



ALOS-2 KIBO HDTV-EF2

KARI

Korea Aerospace Research Institute (KARI)

Country: South Korea

Satellite: KOMPSAT-2
Sensor: MSC

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
4 m	1	450-520 nm	15 km	3 days (off nadir)
	2	520-600 nm		
	3	630-690 nm		
	4	760-900 nm		
1 m	Pan	500-900 nm		

Satellite: KOMPSAT-3
Sensor: AEISS (Pan + MS)

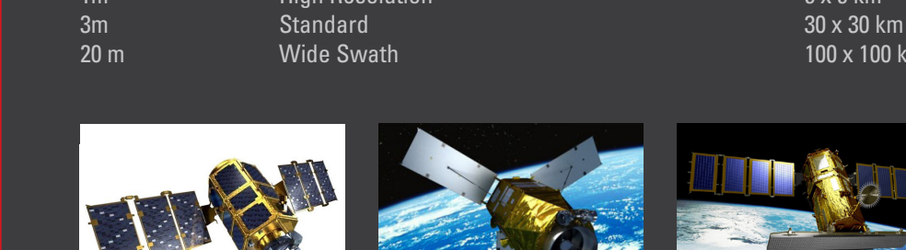
Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
2.8 m	1	450-520 nm	16 km	3 days (off nadir)
	2	520-600 nm		
	3	630-690 nm		
	4	760-900 nm		
0.7 m	Pan	450-900 nm		

Satellite: KOMPSAT-3A
Sensor: AEISS-A

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
2.2 m	1	450-520 nm	12 km	3 days (off nadir)
	2	520-600 nm		
	3	630-690 nm		
	4	760-900 nm		
0.55 m	Pan	450-900 nm		

Satellite: KOMPSAT-5
Sensor: COrea SAR Instrument (X Band)
Polarization: Multiple (HH, HV, VV, and VH)

Spatial Res	Operating Modes	Swath Width	Revisit
1m	High Resolution	5 x 5 km	28 days (nominal)
3m	Standard	30 x 30 km	
20 m	Wide Swath	100 x 100 km	



KOMPSAT-2 KOMPSAT-3 and 3A KOMPSAT-5

NOAA

National Oceanic and Atmospheric Administration (NOAA)

Country: United States

Satellite: NOAA-18, -19, Metop-A, -B, -C
Sensor: AVHRR

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1100 m	1	580-680	2048 km	Daily
	2	725-1100 nm		
	3	3550-3930 nm		
	4	10300-11300 nm		
	5	11500-12500 nm		

Satellite: NOAA-20, Suomi NPP
Sensor: VIIRS

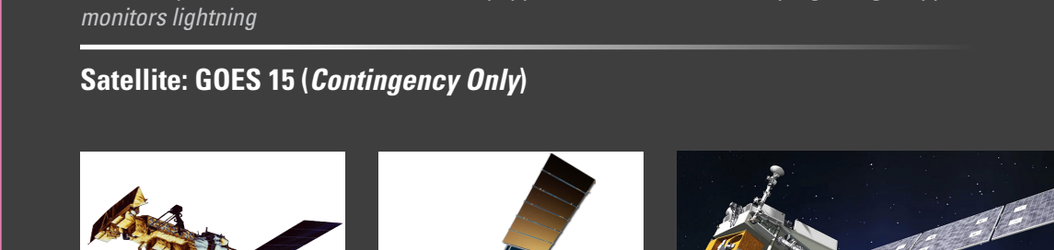
Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
400 to 800 m	10 VNIR	580-680	3000 km	2 per day
	5 SWIR	725-1100 nm		
	3 MWIR	3550-3930 nm		
	4 TIR	10300-11300 nm		

Satellite: GOES-16 (GOES-East), GOES-17 (GOES-West)
Sensor: ABI

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
500 m	1	450-490 nm	Full Disc	Daily
500 m	2	590-690 nm		
1000 m	3	846-885 nm		
1000 m	4	1371-1386 nm		
1000 m	5	1580-1640 nm		
2000 m	6	2225-2275 nm		
2000 m	7	3800-4000 nm		
2000 m	8	5770-6600 nm		
2000 m	9	6750-7150 nm		
2000 m	10	7240-7440 nm		
2000 m	11	8300-8700 nm		
2000 m	12	9420-9800 nm		
2000 m	13	10100-10600 nm		
2000 m	15	11800-12800 nm		
2000 m	16	13000-13600 nm		

**GOES-16 is the current GOES-East satellite in a geostationary orbit over the East half of the Western hemisphere. GOES-17 is the current GOES-West satellite in a geostationary orbit over the West half of the Western hemisphere. *GOES-16 and -17 are equipped with the Geostationary Lightning Mapper (GLM) that continually monitors lightning*

Satellite: GOES 15 (*Contingency Only*)



POES series 16, 17) GOES 16 and 17 NOAA-20, Suomi NPP

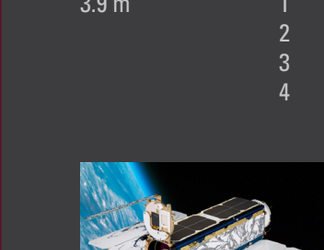
PLANET

PLANET

Country: United States

Satellite: PlanetScope
Sensor: CCD with a split-frame NIR filter

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
3.9 m	1	455-515 nm	24 km (nadir)	Daily
	2	500-590 nm		
	3	590-670 nm		
	4	770-860 nm		



PlanetScope

ROSCOSMOS

Russian State Space Corporation (ROSCOSMOS)

Country: Russia

Satellite: Kanopus-V 3,4,5,6
Sensor: PSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
2.5 m	Pan	540-860 nm	23 km	4 days

Sensor: MSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
10.5 m	1	460-520 nm	20 km	4 days
	2	510-600 nm		
	3	630-690 nm		
	4	750-840 nm		

Satellite: Kanopus-V-IK
Sensor: PSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
2.5 m	Pan	540-860 nm	23 km	4 days

Sensor: MSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
10.5 m	1	460-520 nm	20 km	4 days
10.5 m	2	540-860 nm	20 km	4 days
10.5 m	3	630-690 nm	20 km	4 days
10.5 m	4	750-840 nm	20 km	4 days

Sensor: MSU-IK-SRM (infrared)

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
200 m	1	350-410 nm	2000 km	4 days
200 m	2	840-940 nm	2000 km	4 days

Satellite: Meteor-M 1, 2, 2.2
Sensor: KMSS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
60 m	1	535-575 nm	450 km/900 km	2-4 days
	2	630-680 nm		
	3	760-900 nm		

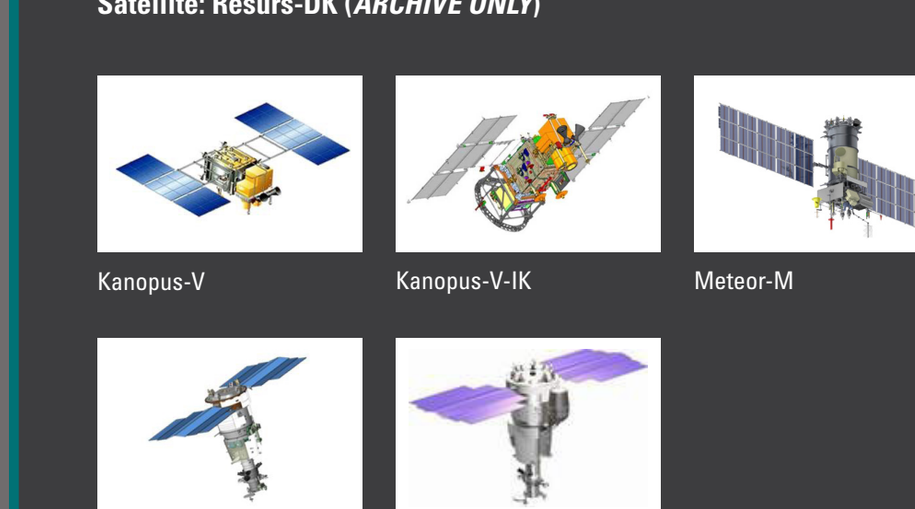
Satellite: Resurs-P 1, 3
Sensor: Geoton-L1

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1 m	Pan	580-800 nm	38 km	3 days
3 m	1	450-520 nm	38 km	3 days
	2	520-600 nm		
	3	610-680 nm		

Sensor: SHMSA-VR

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
12 m	Pan	430-700 nm	97 km	3 days
23 m	1	430-510 nm	97 km	3 days
	2	510-580 nm		
	3	600-700 nm		
	4	700-900 nm		
	5	800-900 nm		

Satellite: Resurs-DK (*ARCHIVE ONLY*)



Kanopus-V Kanopus-V-IK Meteor-M
Resurs-P Resurs-DK

UAESA / MBRSC

United Arab Emirates Space Agency (UAESA) / Mohammed bin Rashid Space Centre (MBRSC)

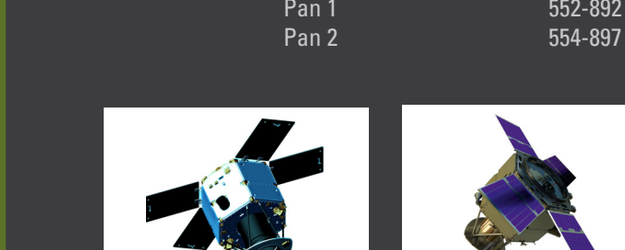
Country: United Arab Emirates

Satellite: DubaiSat-2
Sensor: High Resolution Advanced Imaging System (HiRAIS) 5-channel VNIR radiometer

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
4 m	1	420-510 nm	12 km	4 days
	2	510-580 nm		
	3	600-720 nm		
	4	760-890 nm		
1 m	5 (Pan)	420-890 nm		

Satellite: KhalifaSat
Sensor: KHCS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
.7 m	MS1-1	457-520 nm	12 km	8 days
	MS1-2	460-521 nm		
	MS2-1	521-591 nm		
	MS2-2	523-592 nm		
	MS3-1	629-691 nm		
	MS3-2	629-691 nm		
	MS4-1	766-884 nm		
	MS4-2	770-888 nm		
	Pan 1	552-892 nm		
	Pan 2	554-897 nm		



Dubaisat 2 KhalifaSat UAE Satellite

UK SPACE AGENCY

UK Space Agency

Country: United Kingdom

Disaster Monitoring Constellation (DMC)

Satellite: ALSAT-1B
Sensor: ALITE

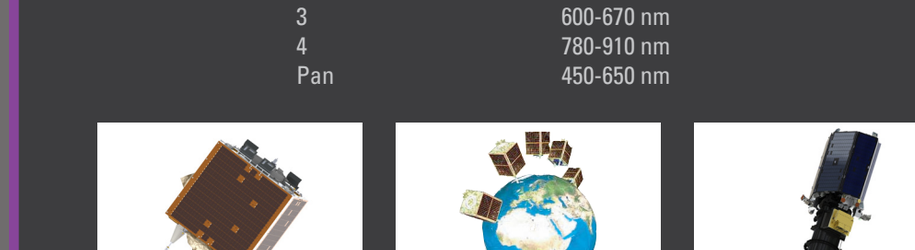
Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
12-24 m	1	450-530 nm	150 km	8 days
	2	535-615 nm		
	3	620-700 nm		
	4	760-890 nm		
	Pan	480-720 nm		

Satellite: UK-DMC2
Sensor: SLIM-6-22

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
22 m	1	520-600 nm	660 km	5 days
	2	630-690 nm		
	3	770-900 nm		

Satellite: Vision-1
Sensor: S1-4

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
0.87 m, 3.48 m	1	440-510 nm	21.6 km	Minimum 1/13 days dependent on roll and latitude
	2	510-590 nm		
	3	600-670 nm		
	4	780-910 nm		
	Pan	450-650 nm		



ALSAT-1B UK-DMC2 Vision-1

USGS

United States Geological Survey (USGS)

Country: United States

Satellite: Landsat 8
Sensor: OLI, TIRS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
30 m	1	430-450 nm	185 km	16 days
	2	450-510 nm		
	3	530-590 nm		
	4	640-670 nm		
	5	850-880 nm		
	6	1570-1650 nm		
	7	2110-2290 nm		
15 m	8	500-680 nm		
	9	1360-1380 nm		
100 m	10	10600-11190 nm		
	11	11500-12510 nm		

Satellite: Landsat 7
Sensor: ETM+ (Enhanced Thematic Mapper Plus)

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
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		

Company: Maxar Technologies
Satellite: WorldView-1

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
0.5 m	Pan	448-895 nm	17 km	2-5 days*

Company: Maxar Technologies
Satellite: WorldView-2

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
2 m	1	772-890 nm	17 km	1-3 days*
	2	629-689 nm		
	3	511-581 nm		
	4	447-508 nm		
	5	704-744 nm		
	6	588-627 nm		
	7	401-453 nm		
	8	862-954 nm		
0.5 m	Pan	464-801 nm		

Company: Maxar Technologies
Satellite: WorldView-3

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
1.24 m	1	400-450nm	13.1 km	1-4.5 days
	2	450-510 nm		
	3	510-580 nm		
	4	585-625 nm		
	5	705-745 nm		
	6	770-895 nm		
	7	860-1040 nm		
	8	630-690 nm		
.31 m	Pan	450-800 nm		

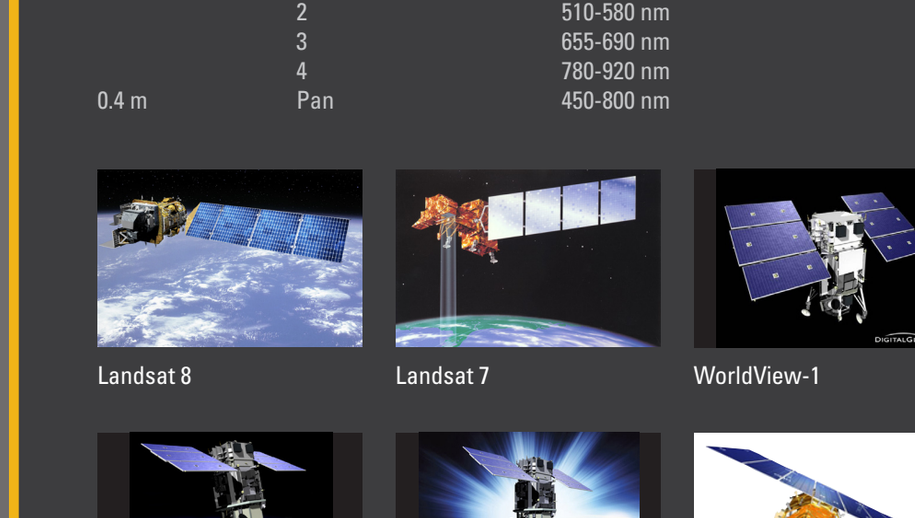
Spatial Res	SWIR Band	Spectral Range	Swath Width	Revisit
3.70 m	1	1195-1225 nm	13.1 km	1-4.5 days
	2	1550-1590 nm		
	3	1640-1680 nm		
	4	1710-1750 nm		
	5	2145-2185 nm		
	6	2185-2225 nm		
	7	2235-2285 nm		
	8	2295-2365 nm		

Spatial Res	CAVIS Band	Spectral Range	Swath Width	Revisit
30 m	Desert Clouds	405-420 nm	13.1 km	1-4.5 days
	Aerosol-1	459-509 nm		
	Green	525-585 nm		
	Aerosol-2	635-685 nm		
	Water-1	845-885 nm		
	Water-2	897-927 nm		
	Water-3	930-965 nm		
	NDVI-SWIR	1220-1252 nm		
	Cirrus	1365-1405 nm		
	Snow	1620-1680 nm		
	Aerosol-3	2105-2245 nm		

Company: Maxar Technologies
Satellite: GeoEye-1

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1.65 m	1	450-510 nm	15.2 km	2-3 days*
	2	510-580 nm		
	3	655-690 nm		
	4	780-920 nm		
0.4 m	Pan	450-800 nm		

*off nadir



Landsat 8 Landsat 7 WorldView-1
WorldView-2 WorldView-3 GeoEye-1

February 2021