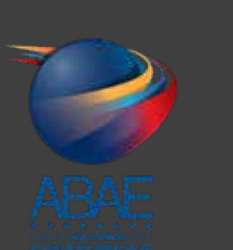




Satellites of the International Charter 'Space and Major Disasters'



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	23 km	Nadir: 31 days
2	2	520-590 nm		Off Nadir: 4 days
3	3	630-690 nm		
4	4	770-890 nm		
2.5 m	5	450-900 nm		

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



VRSS-1



VRSS-2

ABAE



Canadian Space Agency (CSA)

Country: Canada

Satellite: RADARSAT-2

Sensor: Advanced Radar (C Band)


Polarization: Multiple (HH, HV, VV, and VH)

Spatial Res	Operating Modes	No. Beams	Swath Width	Revisit
10 m	Spotlight	27	18 x 4 km	1-3 days
3 m	Ultra-Fine	27	20 x 10 km	
3 m	Wide-View Fine	27	50 x 10 km	
3 m	Wide-View Fine	27	50 x 10 km	
8 m	Wide-View Multi-Beam	9	80 x 10 km	
3 m	Standard	26	80 x 10 km	
8 m	Wide View	3	150 x 150 km	
3 m	Standard	2	200 x 200 km	
25 m	Wide	3	150 x 150 km	
40 m	ScanSAR Narrow	2	500 x 1000 km	
100 m	ScanSAR Wide	2	500 x 1000 km	
25 m	Extended High	6	75 x 75 km	
25 m	Extended Low	1	170 x 170 km	
8 m	Fine Quad-Pol	31	25 x 25 km	
8 m	Wide Fine Quad-Pol	21	50 x 25 km	
25 m	Standard Quad-Pol	31	25 x 25 km	
25 m	Wide Standard Quad-Pol	21	50 x 25 km	

Satellite: RADARSAT-1 (ARCHIVE ONLY)




RADARSAT-2



RADARSAT-2

CSA



Instituto Nacional de Pesquisas Espaciais (INPE)

Country: Brazil

Satellite: CBERS-4


Sensor: AWFI

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


Sensor: IRMSS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
10 m	SWIR1	1550-1700 nm	120 km	26 days
10 m	SWIR2	2000-2250 nm		
10 m	IR1	10,800-12,800 nm		
10 m	PAN	500-1100 nm		

Satellite: CBERS-01, 02, 2B (ARCHIVE ONLY)




CBERS-4



CBERS-4

INPE



Russian State Space Corporation (ROSCOSMOS)

Country: Russia

Satellite: Kanopus-V

Sensor: PSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
2.5 m	Pan	540-880 nm	23 km	4 days

Sensor: MSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
10.5 m	1	450-520 nm	20 km	4 days
10.5 m	2	540-880 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

Satellite: Kanopus-V-K

Sensor: PSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
2.5 m	Pan	540-880 nm	23 km	4 days

Sensor: MSS

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
10.5 m	1	450-520 nm	20 km	4 days
10.5 m	2	540-880 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-K-SRM (infrared)

Spatial Res	Spectral Band	Spectral Range	Swath Width	Revisit
200 m	1	240-410 nm	2000 km	4 days
200 m	2	840-940 nm	2000 km	4 days

Satellite: Meteor-M

Sensor: KMSS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
60 m	1	520-570 nm	450 km/900 km	2-4 days
60 m	2	630-680 nm		
60 m	3	780-900 nm		

Satellite: Resurs-P 1, 2, 3


Sensor: Geotlon-L1

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1 m	1	540-880 nm	38 km	3 days
1 m	2	450-510 nm	38 km	3 days
1 m	3	540-880 nm	38 km	3 days
1 m	4	600-700 nm	38 km	3 days
1 m	5	700-800 nm	38 km	3 days
1 m	6	800-900 nm	38 km	3 days


Sensor: SHMSA-VR

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
12 m	1	450-510 nm	27 km	3 days
23 m	1	450-510 nm	27 km	3 days
23 m	2	510-560 nm	27 km	3 days
23 m	3	600-700 nm	27 km	3 days
23 m	4	700-800 nm	27 km	3 days
23 m	5	800-900 nm	27 km	3 days


Satellite: Resurs-DK (ARCHIVE ONLY)




Kanopus-V




Kanopus-V-K




Meteor-M




Resurs-P



Resurs-DK




Kanopus-V




Kanopus-V-K



Meteor-M




Resurs-P



Resurs-DK

ROSCOSMOS



Centre National d'Études Spatiales (CNES)

Country: France

Satellite: Pléiades-1A, Pléiades-1B

Sensor: PLEIADES-HR


Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
2.8 m**	1	450-560 nm	20 km	1-2 days*
2	2	630-690 nm		
3	3	587-725 nm		
4	4	727-840 nm		
0.7 m**	5	457-948 nm		

**Products resampled to 0.5/0.0 m

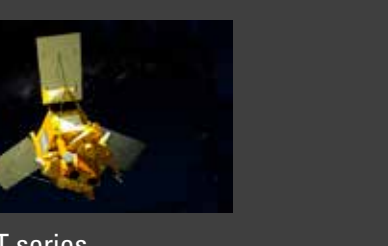
Satellite: SPOT-6, SPOT-7

Sensor: SPOT


Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
6 m	1	450-520 nm	60 km	1-2 days*
2	2	520-590 nm		
3	3	625-695 nm		
4	4	760-890 nm		
1.5 m	5	450-750 nm		



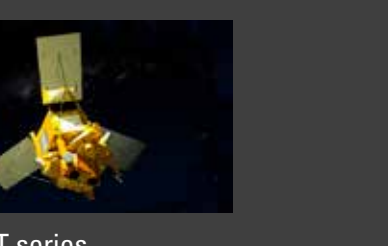
Pléiades



SPOT series



Pléiades



SPOT series

CNES



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	1	450-510 m	11 days (nominal)
2 m	Spotlight	1	10 x 10 km	
3 m	StripMap	1	30 x 50 km*	
18.5 m	ScanSAR	1	100 x 150 km**	
40 m	Wide ScanSAR	1	230 x 230 km**	

*ShipMap and ScanSAR scene length extendable to 1500 km, Wide ScanSAR extendable to 1500 km



TerraSAR-X



TanDEM-X



TerraSAR-X



TanDEM-X

DLR



Indian Space Research Organisation (ISRO)

Country: India

Satellite: Cartosat-2 ZA, ZB

Sensor: LISS-4

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
1 m	1	500-550 nm	23 km/70 km	4-5 days

Satellite: Resourcesat-2

Sensor: LISS-4

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
5.8 m	1	450-520 nm	23 km/70 km	5 days
2	2	520-590 nm		
4	3	630-690 nm		

Sensor: LISS-3

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
21 m	1	520-590 nm	141 km	24 days
2	2	520-590 nm		
3	3	630-690 nm		
4	4	770-890 nm		
5	5	1550-1700 nm		

Sensor: AWiFS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
18 m	1	520-590 nm	740 km	5 days
2	2	630-690 nm		
4	3	770-890 nm		

Satellite: Oceansat-2

Sensor: OCM

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
360 x 238 m	1	450-520 nm	1420 km	2 days
2	2	425-450 nm		
3	3	480-500 nm		
4	4	560-580 nm		
5	5	545-565 nm		
6	6	610-630 nm		
7	7	725-755 nm		
8	8	845-885 nm		

Satellite: Cartosat-1 IRS-P5 (ARCHIVE ONLY)



Cartosat-2



RESOURCESAT-2



Oceansat-2



Cartosat-2





RESOURCESAT-2



Oceansat-2

JAXA



United Arab Emirates Space Agency (UAESA)

Country: United Arab Emirates

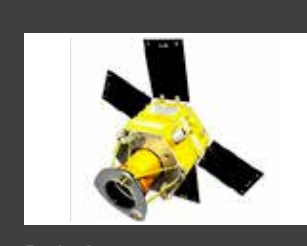
Satellite: DubaiSat-2

Sensor: High Resolution Advanced Imaging System (HIRAIS)

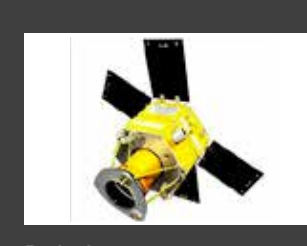
5-channel VNIR radiometer

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
4 m	1	420-510 nm	12 km	4 days
2	2	510-580 nm		
3	3	600-720 nm		
4	4	780-880 nm		
1 m	5 (Pan)	420-880 nm		

Satellite: DubaiSat-1 (ARCHIVE ONLY)



DubaiSat-2



DubaiSat-2

UAESA



China National Space Administration (CNSA)

Country: China

Satellite: CBERS-4

Sensor: AWFI

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
60 m	1	450-520 nm	720 km (radar)	1-4 days
2	2	520-590 nm		
3	3	630-690 nm		
4	4	770-890 nm		

Sensor: IRMSS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
40 m	SWIR1	1550-1700 nm	120 km	26 days
40 m	SWIR2	2000-2250 nm		
40 m	PAN	10,800-12,800 nm	500-1100 nm	

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	2,000 km	5-5 days
2	2	0.84-0.88		
3	3	3.55-3.93		
4	4	10.2-11.2		
5	5	11.5-12.4		
6	6	1.55-1.64		
7	7	8.42-8.48		
8	8	0.40-0.53		
9	9	0.53-0.58		
10	10	1.25-1.395		

Sensor: MERIS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
250 m	1	470 nm	2,000 km	5-5 days
250 m	2	560 nm		
250 m	3	660 nm		
250 m	4	680 nm		
1.1 km	5	1120 nm		
1.1 km	6	1660 nm		
1.1 km	7	2120 nm		
1.1 km	8	412 nm		
1.1 km	9	442 nm		
1.1 km	10	490 nm		
1.1 km	11	550 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	945 nm		
1.1 km	19	980 nm		
1.1 km	20	1020 nm		

Satellite: GeoEye-1 (GF-1)

Sensor: PMS

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
2 m	1	450-600 nm	70 km	4 days
8 m	2	450-520 nm	12 camera	Nadir to ±35°
8 m	3	520-590 nm		
8 m	4	630-690 nm		
8 m	5	770-890 nm		

Sensor: WVV

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
10 m	1	450-520 nm	800 km	4 days
7	2	520-590 nm	200° ± 4 camera	Nadir to ±35°
8	3	630-690 nm		
9	4	770-890 nm		


Satellite: GeoEye-2 (GF-2)

Sensor: PMS


Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
0.5 m	1	450-520 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: CBERS-01, 02, 2B (ARCHIVE ONLY)


Satellite: SJ-9A (ARCHIVE ONLY)



CBERS series




FengYun-3




GeoEye-1




GeoEye-2




CBERS series



FengYun-3




GeoEye-1



GeoEye-2

CNSA



Disaster Monitoring Constellation (DMC)

Country: United Kingdom

Satellite: UK-DMC2

Sensor: SLIM-6-22

Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
22 m	1	520-600 nm	650 km	5 days
2	2	630-690 nm		
3	3	770-890 nm		

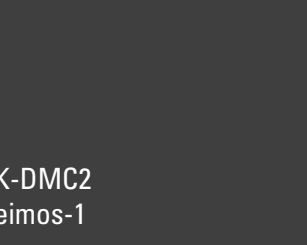
Satellite: Sentinel-1 (Spain)

Sensor: SLIM-6-22

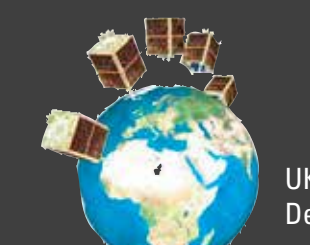
Spatial Res	Spectral Bands	Spectral Range	Swath Width	Revisit
22 m	1	520-600 nm	650 km	5 days
2	2	630-690 nm		
3	3	770-890 nm		



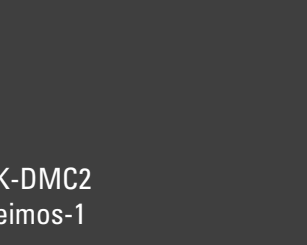
UK-DMC2



Sentinel-1



UK-DMC2



Sentinel-1

DMC



Japan Aerospace Exploration Agency (JAXA)

Country: Japan

Satellite: DAICHI-2 (ALDS-2)

Sensor: PALSAR-2 (L Band SAR)

Polarization: Multiple (HH, HV, VV, and VH)

Spatial Res	Operating Modes	No. Beams	Swath Width	Revisit
15 m	Spotlight/High	1	25 km	14 days
55 m	Spotlight/Middle	1	25 km or 70 km	
15 m	StripMap/Middle	1	25 km or 70 km	
100 m	Scan SAR	1	250 km or 490 km	

Satellite: Japanese Experiment Module - Kibo on International Space Station (ISS)

Sensor: KIBO HOTV-EF2

Spatial Res	Operating Modes	No. Beams	Swath Width	Revisit Time
15 m	Spotlight/High	1	25 x 15 km	ISS 15 days
55				