



Satellites of the International Charter 'Space and Major Disasters'

ABAE

Bolivarian Agency for Space Activities (ABAE)

Country: Venezuela

Satellite: VRSS-1

Sensor: PMS	Spectral Bands	Spectral Range	Swath Width	Revisit
1	1	450-550 nm	20 km	1 day
2	2	520-580 nm	20 km	1 day
3	3	630-680 nm	20 km	1 day
4	4	720-780 nm	20 km	1 day
5	5	830-880 nm	20 km	1 day

Operational modes: Nadir viewing and roll maneuver (x 25°)

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	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	4 days
2 m	2	100 m	StripMap	1	290 km	4 days
3 m	3	100 m	StripMap	1	290 km	4 days
4 m	4	100 m	StripMap	1	290 km	4 days
5 m	5	100 m	StripMap	1	290 km	4 days

ISRO

Indian Space Research Organisation (ISRO)

Country: India

Satellite: Cartosat-2 ZA, 2B

Sensor: Cartosat-2 ZA, 2B	Polarization: Multiple (HH, HV, VH, VV, and CP)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	4 days
2 m	2	100 m	StripMap	1	290 km	4 days
3 m	3	100 m	StripMap	1	290 km	4 days
4 m	4	100 m	StripMap	1	290 km	4 days
5 m	5	100 m	StripMap	1	290 km	4 days

ROSCOSMOS

Russian State Space Corporation (ROSCOSMOS)

Country: Russia

Satellite: Kosmos-VK456

Sensor: PMS	Spectral Bands	Spectral Range	Swath Width	Revisit
1	1	450-550 nm	20 km	1 day
2	2	520-580 nm	20 km	1 day
3	3	630-680 nm	20 km	1 day
4	4	720-780 nm	20 km	1 day
5	5	830-880 nm	20 km	1 day

CNES

Centre National d'Études Spatiales (CNES)

Country: France

Satellite: Pléiades-1A, Pléiades-1B

Sensor: PLEIADES-HR	Polarization: Multiple (HH, HV, VH, VV, and CP)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	4 days
2 m	2	100 m	StripMap	1	290 km	4 days
3 m	3	100 m	StripMap	1	290 km	4 days
4 m	4	100 m	StripMap	1	290 km	4 days
5 m	5	100 m	StripMap	1	290 km	4 days

DLR

German Aerospace Centre (DLR)

Country: Germany

Satellite: TerraSAR-X, TanDEM-X

Sensor: Advanced Radar (X Band)	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	4 days
2 m	2	100 m	StripMap	1	290 km	4 days
3 m	3	100 m	StripMap	1	290 km	4 days
4 m	4	100 m	StripMap	1	290 km	4 days
5 m	5	100 m	StripMap	1	290 km	4 days

JAXA

Japan Aerospace Exploration Agency (JAXA)

Country: Japan

Satellite: ALOS-2

Sensor: PALSAR-2, LRRAP SAR	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	4 days
2 m	2	100 m	StripMap	1	290 km	4 days
3 m	3	100 m	StripMap	1	290 km	4 days
4 m	4	100 m	StripMap	1	290 km	4 days
5 m	5	100 m	StripMap	1	290 km	4 days

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 (HIRAS)	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	4 days
2 m	2	100 m	StripMap	1	290 km	4 days
3 m	3	100 m	StripMap	1	290 km	4 days
4 m	4	100 m	StripMap	1	290 km	4 days
5 m	5	100 m	StripMap	1	290 km	4 days

CNSA

China National Space Administration (CNSA)

Country: China

Satellite: Gaofen-1 (GF-1)

Sensor: PMS	Spectral Bands	Spectral Range	Swath Width	Revisit
1	1	450-550 nm	20 km	1 day
2	2	520-580 nm	20 km	1 day
3	3	630-680 nm	20 km	1 day
4	4	720-780 nm	20 km	1 day
5	5	830-880 nm	20 km	1 day

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, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	12 days
2 m	2	100 m	StripMap	1	290 km	12 days
3 m	3	100 m	StripMap	1	290 km	12 days
4 m	4	100 m	StripMap	1	290 km	12 days
5 m	5	100 m	StripMap	1	290 km	12 days

KARI

Korea Aerospace Research Institute (KARI)

Country: South Korea

Satellite: KOMPSAT-2

Sensor: MSC	Spectral Bands	Spectral Range	Swath Width	Revisit
1	1	450-550 nm	15 km	2 days (off nadir)
2	2	520-580 nm	15 km	2 days (off nadir)
3	3	630-680 nm	15 km	2 days (off nadir)
4	4	720-780 nm	15 km	2 days (off nadir)
5	5	830-880 nm	15 km	2 days (off nadir)

KARI

Korea Aerospace Research Institute (KARI)

Country: South Korea

Satellite: KOMPSAT-3

Sensor: AACS (Polar & MS)	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	2 days (off nadir)
2 m	2	100 m	StripMap	1	290 km	2 days (off nadir)
3 m	3	100 m	StripMap	1	290 km	2 days (off nadir)
4 m	4	100 m	StripMap	1	290 km	2 days (off nadir)
5 m	5	100 m	StripMap	1	290 km	2 days (off nadir)

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: Meteosat-11

Sensor: SEVIRI	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	15 days
2 m	2	100 m	StripMap	1	290 km	15 days
3 m	3	100 m	StripMap	1	290 km	15 days
4 m	4	100 m	StripMap	1	290 km	15 days
5 m	5	100 m	StripMap	1	290 km	15 days

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Satellite: Meteosat-11

Sensor: SEVIRI	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	15 days
2 m	2	100 m	StripMap	1	290 km	15 days
3 m	3	100 m	StripMap	1	290 km	15 days
4 m	4	100 m	StripMap	1	290 km	15 days
5 m	5	100 m	StripMap	1	290 km	15 days

NOAA

National Oceanic and Atmospheric Administration (NOAA)

Country: United States

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

Sensor: AVHRR	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	1 day
2 m	2	100 m	StripMap	1	290 km	1 day
3 m	3	100 m	StripMap	1	290 km	1 day
4 m	4	100 m	StripMap	1	290 km	1 day
5 m	5	100 m	StripMap	1	290 km	1 day

USGS

United States Geological Survey (USGS)

Country: United States

Satellite: Landsat 8

Sensor: OLI, TIRS	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	16 days
2 m	2	100 m	StripMap	1	290 km	16 days
3 m	3	100 m	StripMap	1	290 km	16 days
4 m	4	100 m	StripMap	1	290 km	16 days
5 m	5	100 m	StripMap	1	290 km	16 days

ICEYE

ICEYE

Country: Finland

Satellite: ICEYE-X2, X1, X3, X4, X5, X6, X7

Sensor: Synthetic Aperture Radar (SAR)	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	1 day
2 m	2	100 m	StripMap	1	290 km	1 day
3 m	3	100 m	StripMap	1	290 km	1 day
4 m	4	100 m	StripMap	1	290 km	1 day
5 m	5	100 m	StripMap	1	290 km	1 day

INPE

National Institute for Space Research (INPE)

Country: Brazil

Satellite: CBERS-4A

Sensor: WPM	Spectral Bands	Spectral Range	Swath Width	Revisit
1	1	450-550 nm	60 km	5 days
2	2	520-580 nm	60 km	5 days
3	3	630-680 nm	60 km	5 days
4	4	720-780 nm	60 km	5 days
5	5	830-880 nm	60 km	5 days

NOAA

National Oceanic and Atmospheric Administration (NOAA)

Country: United States

Satellite: NOAA-20, Suomi NPP

Sensor: VIIRS	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	1 day
2 m	2	100 m	StripMap	1	290 km	1 day
3 m	3	100 m	StripMap	1	290 km	1 day
4 m	4	100 m	StripMap	1	290 km	1 day
5 m	5	100 m	StripMap	1	290 km	1 day

USGS

United States Geological Survey (USGS)

Country: United States

Satellite: Landsat 8

Sensor: OLI, TIRS	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	16 days
2 m	2	100 m	StripMap	1	290 km	16 days
3 m	3	100 m	StripMap	1	290 km	16 days
4 m	4	100 m	StripMap	1	290 km	16 days
5 m	5	100 m	StripMap	1	290 km	16 days

CONAE

National Commission for Space Activities (CONAE)

Country: Argentina

Satellite: SACOM-1A, 1B

Sensor: SAR	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	2 days
2 m	2	100 m	StripMap	1	290 km	2 days
3 m	3	100 m	StripMap	1	290 km	2 days
4 m	4	100 m	StripMap	1	290 km	2 days
5 m	5	100 m	StripMap	1	290 km	2 days

ICEYE

ICEYE

Country: Finland

Satellite: ICEYE-X2, X1, X3, X4, X5, X6, X7

Sensor: Synthetic Aperture Radar (SAR)	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	1 day
2 m	2	100 m	StripMap	1	290 km	1 day
3 m	3	100 m	StripMap	1	290 km	1 day
4 m	4	100 m	StripMap	1	290 km	1 day
5 m	5	100 m	StripMap	1	290 km	1 day

PLANET

Planet

Country: United States

Satellite: PlanetScope

Sensor: CCD with a push-frame IR filter	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	1 day
2 m	2	100 m	StripMap	1	290 km	1 day
3 m	3	100 m	StripMap	1	290 km	1 day
4 m	4	100 m	StripMap	1	290 km	1 day
5 m	5	100 m	StripMap	1	290 km	1 day

USGS

United States Geological Survey (USGS)

Country: United States

Satellite: Landsat 8

Sensor: OLI, TIRS	Polarization: Multiple (HH, HV, VH, VV, and VV)	Spatial Res.	Operating Modes	No. Beams	Swath Width	Revisit
1 m	1	100 m	StripMap	1	290 km	16 days
2 m	2	100 m	StripMap	1	290 km	16 days
3 m	3	100 m	StripMap	1	290 km	16 days
4 m	4	100 m	StripMap	1	290 km	16 days
5 m	5	100 m	StripMap	1	290 km	16 days