

SMART EYES IN THE SPACE

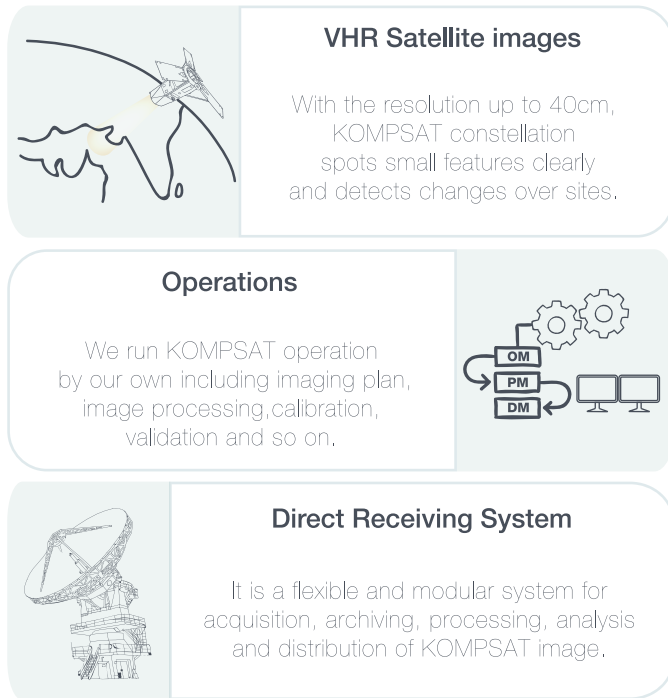
KOMPSAT

SI Imaging Services

Exclusive representative of KOMPSAT image.
Also distributor of TeLEOS-1 and Deimos-2 image.

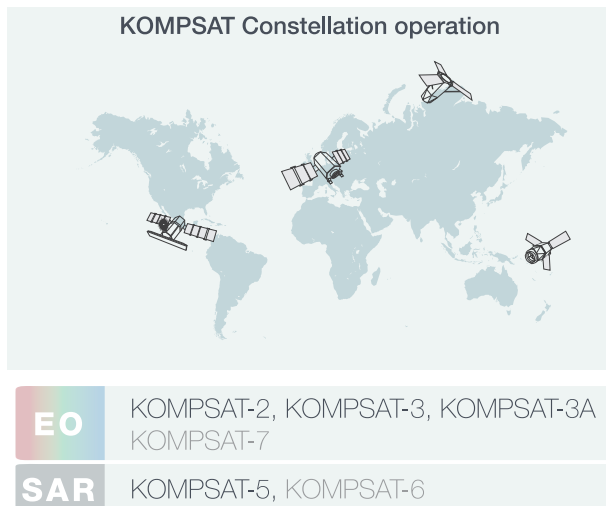
SI Group

SI Group creates synergy and provides customized services with the collaboration.

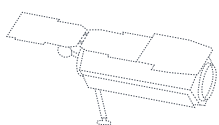


KOMPSAT (Korea Multi-Purpose Satellite) Program

National space development program
Developed and operated by KARI

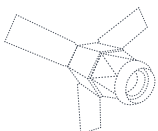


To be launched



KOMPSAT-6 (SAR)

Resolution Sub-meter class
Launch Scheduled for 2021

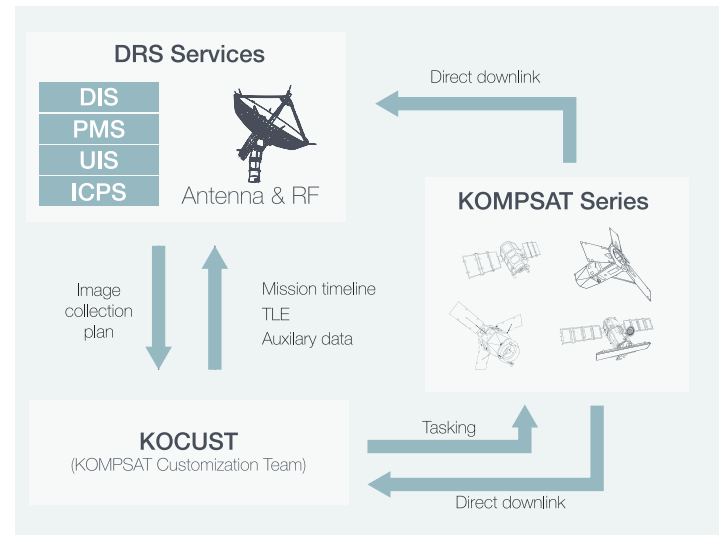


KOMPSAT-7 (EO)

Resolution PAN 0.3m, MS 1.2m
Launch Scheduled for 2022

Direct Receiving System

KOMPSAT Direct Receiving Station(DRS) is a full ground station with antenna system and ground station terminal.



KOMPSAT DRS provides

- Planning for KOMPSAT series image acquisition
- Direct reception & archiving of KOMPSAT satellite downlink
- Standard product and catalog generation





KOMPSAT-3A

VHR EO

Product resolution

PAN : 0.4 m MS : 1.6 m
@ altitude 528 km (nadir)

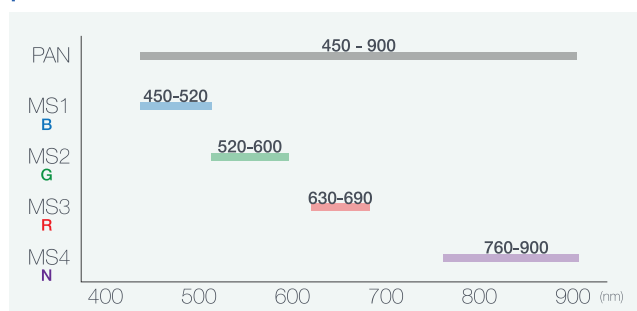
Orbit

Sun synchronous orbit

Location accuracy

6.20 m RMSE, < 9.40 m CE 90 with POD/PAD

Spectral bands



Data quantization

14 bits / pixel

File format

GeoTIFF

Map projection / Datum

UTM / WGS84

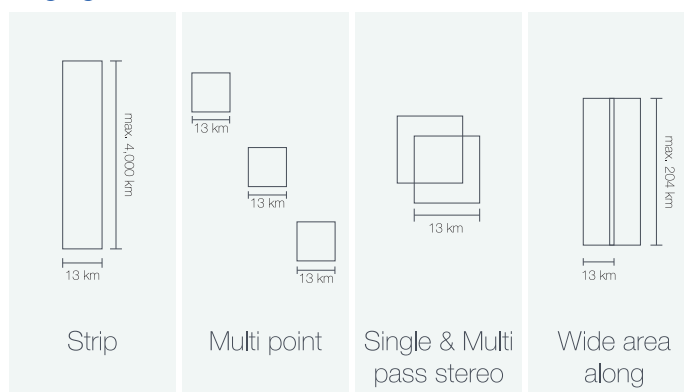
MLTAN

13:30 (local time)

Swath width

13 km (nadir)

Imaging mode





KOMPSAT-3

VHR EO

Product resolution

PAN : 0.5 m MS : 2.0 m
@ altitude 685.13 km (nadir)

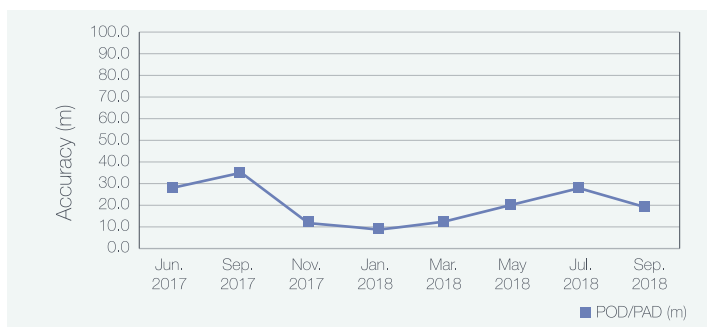
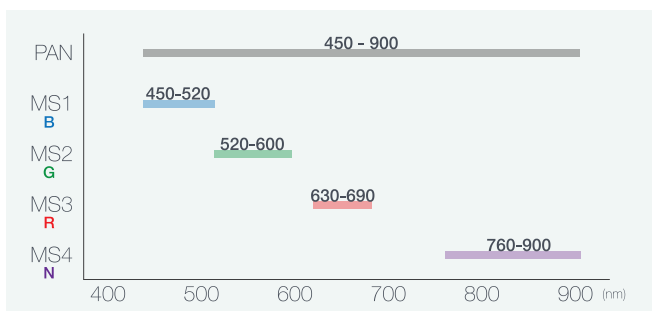
Orbit

Sun synchronous orbit

Location accuracy

19.9 m RMSE, < 30.19 m CE 90 with POD/PAD

Spectral bands



Data quantization

14 bits / pixel

File format

GeoTIFF

Map projection / Datum

UTM / WGS84

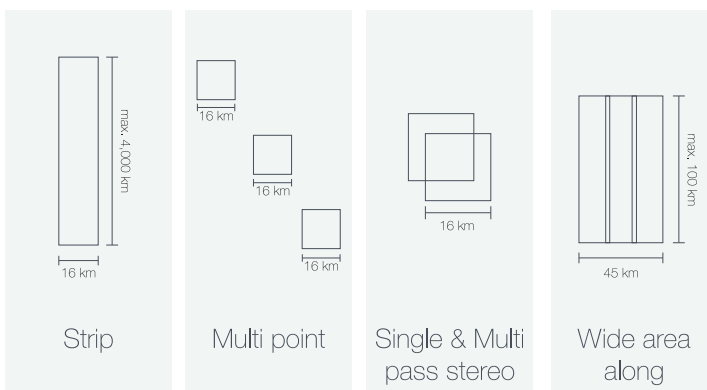
MLTAN

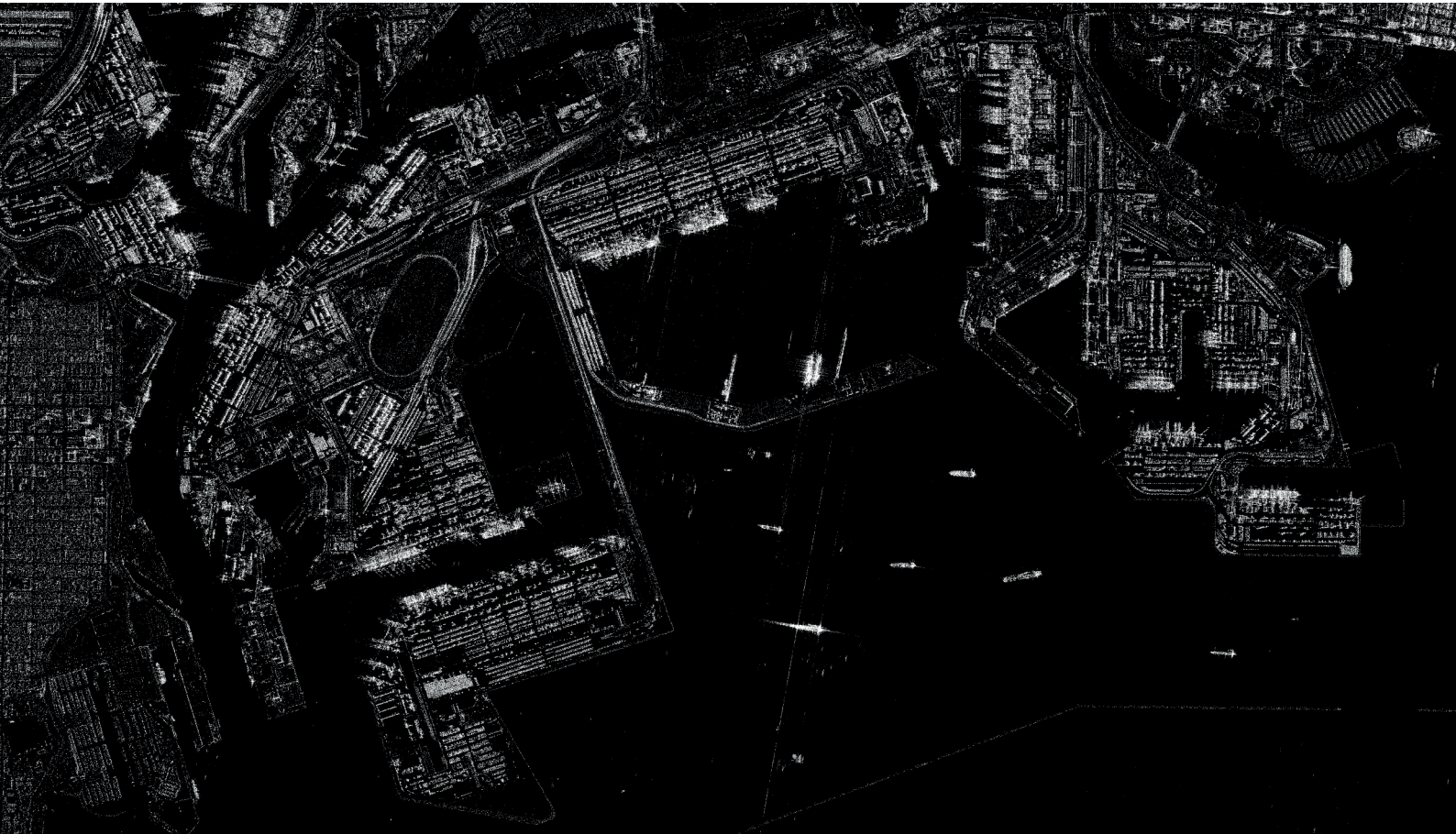
13:30 (local time)

Swath width

16 km (nadir)

Imaging mode





KOMPSAT-5

X-band SAR

Map projection / Datum

UTM / WGS84

Altitude

550 km

File format

HDF5 / GeoTIFF

MLTAN

06:00 / 18:00 (local time)

Location accuracy

Location (Geometric)	Ground resolution		
	ES	EH	UH
6.22 m CE 90	< 2.5 m	< 1 m	< 0.85 m

Orbit

Dawn-dusk orbit

Orbit cycle

28 days

Imaging mode		GSD *	Swath *	Polarization
Spotlight	UH Ultra HR	0.85 m	5 km	Single Polarization (HH, HV, VH, W)
	EH Enhanced HR	1 m		
	HR High Resolution			
Strip	ES Enhanced Strip	2.5 m	30 km	
	ST Strip	3 m		
Wide swath	EW Enhanced WS	20 m	100 km	
	WS Wide Swath			

* @ nominal incidence angle of 45°

Imaging mode

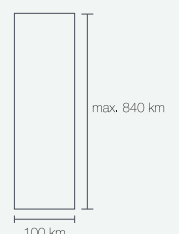
UH / HR / EH



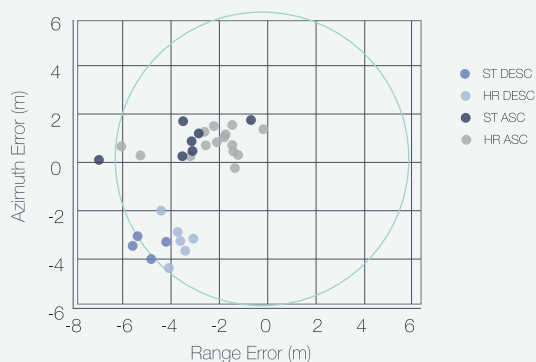
ST / ES



EW / WS



Geo location CE 90 error with ORBNV (Mongolia)





KOMPSAT-2

VHR EO

Product resolution

PAN : 1.0 m MS : 4.0 m
@ altitude 685 km (nadir)

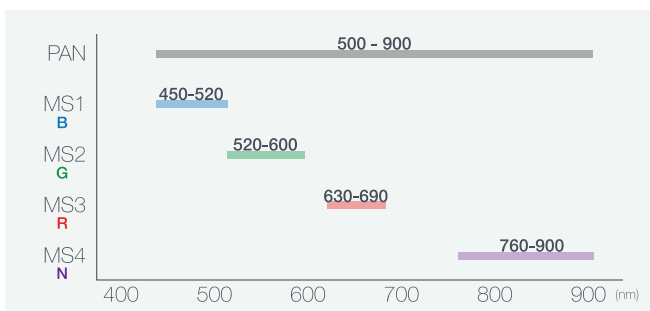
Orbit

Sun synchronous orbit

KOMPSAT-2 Archive coverage

Until December 31st, 2020

Spectral bands



Data quantization

10 bits / pixel

File format

GeoTIFF

Map projection / Datum

UTM / WGS84

MLTAN

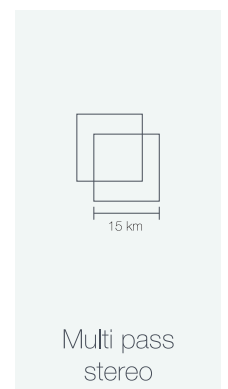
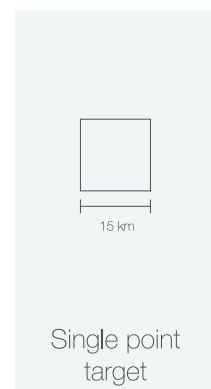
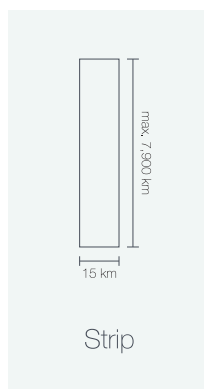
10:50 (local time)

Swath width

15 km (nadir)



Imaging mode



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“ FAIR ACCESS TO SPACE ”

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