

Sentinel-6 Trajectory Type Properties

Sentinel-6 is a nadir-pointing dual frequency (Ku and C-band) synthetic aperture radar altimeter that operates in a non-sun-synchronous orbit at a mean altitude of 1336 km. It uses a central frequency of 13.575 GHz for Ku-band and 5.41 GHz for C-band. The satellites collect data in two different modes- Low Resolution Mode (LRM) and Synthetic Aperture Radar (SAR).

To learn more about Sentinel-6, see [European Space Agency](#).

ProductFilter	Standard (high-resolution)			Reduced (low-resolution)		Standard (low-resolution)				
	Reduced (high-resolution)	1Hz_Ku	1Hz_Ku	20Hz_Ku	1Hz_C	1Hz_Ku	1Hz_C	1Hz_Ku	20Hz_C	20Hz_Ku
PredefinedVariables	Variables									
SSH (Sea Surface Height)	ssha + mean_sea_surface_sol 1	ssha + mean_sea_surface_sol1	ssha + mean_sea_surface_sol1		ssha + mean_sea_surface_sol 1		ssha + mean_sea_surface_sol 1			ssha + mean_sea_surface_sol 1
SSHA (Sea Surface Height Anomaly)	ssha	ssha	ssha		ssha		ssha			ssha
SWH (Significant Wave Height)	swh_ocean	swh_ocean	swh_ocean	swh_ocean	swh_ocean	swh_ocean	swh_ocean	swh_ocean	swh_ocean	swh_ocean
SIGMA0_OCEAN (Ocean Surface Backscatter coefficient)	sig0_ocean	sig0_ocean	sig0_ocean	sig0_ocean	sig0_ocean	sig0_ocean	sig0_ocean	sig0_ocean	sig0_ocean	sig0_ocean
H_MSS (Mean Sea Surface Elevation)	mean_sea_surface_sol 1	mean_sea_surface_sol1	mean_sea_surface_sol1	mean_sea_surface_sol1	mean_sea_surface_sol 1	mean_sea_surface_sol1	mean_sea_surface_sol1			mean_sea_surface_sol1