

CryoSat-2 Trajectory Type Properties

CryoSat-2 is a radar altimeter placed in a low-earth, non-sun-synchronous orbit at an altitude of 717 km. It operates at a central frequency of 13.575 GHz (Ku band). It collects data in three different modes: Low Resolution Mode (LRM), Synthetic Aperture Radar (SAR) mode, and Synthetic Aperture Radar Interferometric (SATIn) mode.

To learn more about CryoSat-2, visit the [European Space Agency](#) website.

Product	CryoSat-2 SAR/SARIN		CryoSat-2 LRM	
	1Hz	20Hz_Ku	1Hz	20Hz_Ku
SIGMA0 (Surface Backscatter coefficient)		sig0_1_20_ku		sig0_1_20_ku
SSH (Sea Surface Height)				height_1_20_ku
SSHA (Sea Surface Height Anomaly)		ssha_interp_20_ku		ssha_interp_20_ku
SWH (Significant Wave Height)	swh_ocean_01_ku		swh_ocean_01_ku	
H_SEA_ICE (Sea Ice Surface Elevation)		height_1_20_ku		height_3_20_ku
SIC (Sea Ice Concentration)	sea_ice_concentration_01		sea_ice_concentration_01	
H_ICE_SHEET (Ice Sheet Surface elevation)		height_1_20_ku		height_2_20_ku
H_ICE (Ice Surface elevation)		height_1_20_ku		height_2_20_ku
WS (Wind Speed)	wind_speed_alt_01_ku		wind_speed_alt_01_ku	