

JASON-2 Trajectory Type Properties

Jason-2 is a nadir-looking dual frequency (Ku and C band) radar altimeter placed in a non-sun-synchronous orbit at an altitude of 1336 km. It operates at a central frequency of 13.575 GHz for Ku-band and 5.3 GHz for C-band. It was designed to obtain data on ocean topography, sea level rise and the association between ocean circulation and climate change.

To learn more about Jason-2, see [Jet Propulsion Laboratory](#).

Product	Reduced		Native			Sensor			
	1Hz_Ku	1Hz_C	1Hz_Ku	20Hz_C	20Hz_Ku	1Hz_C	1Hz_Ku	20Hz_C	20Hz_Ku
Frequency_band	1Hz_Ku	1Hz_C	1Hz_Ku	20Hz_C	20Hz_Ku	1Hz_C	1Hz_Ku	20Hz_C	20Hz_Ku
SIGMA0 (Surface Backscatter coefficient)	sig0_ku	sig0_c	Sig0_ku	sig0_20hz_c	sig0_20hz_ku	sig0_c	Sig0_ku	sig0_20hz_c	sig0_20hz_ku
SSH (Sea Surface Height)	alt - (range_ku + rad_wet_tropo_corr + model_dry_tropo_corr + iono_corr_alt_ku + sea_state_bias_ku)		alt - (range_ku + rad_wet_tropo_corr + model_dry_tropo_corr + iono_corr_alt_ku + sea_state_bias_ku)				alt - (range_ku + rad_wet_tropo_corr + model_dry_tropo_corr + iono_corr_alt_ku + sea_state_bias_ku)		
SSHA (Sea Surface Height Anomaly)	ssha		ssha				ssha		
SWH (Significant Wave Height)	swh_ku	swh_c	swh_ku	swh_20hz_c	swh_20hz_ku	swh_c	swh_ku	swh_20hz_c	swh_20hz_ku
SIGMA0_ICE (Ice Surface Backscatter coefficient)				ice_sig0_20hz_c	ice_sig0_20hz_ku			ice_sig0_20hz_c	ice_sig0_20hz_ku
WS (Wind Speed)	wind_speed_alt	wind_speed_alt	wind_speed_alt			wind_speed_alt	wind_speed_alt		
H_MSS (Mean Sea Surface Elevation)	mean_sea_surface	mean_sea_surface	mean_sea_surface			mean_sea_surface	mean_sea_surface		