

QA4EO Daily Report for NOP data:

22/04/2020

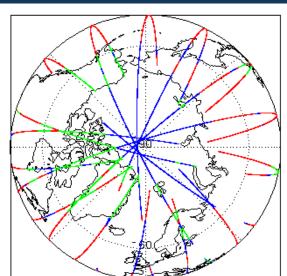
1. Overview

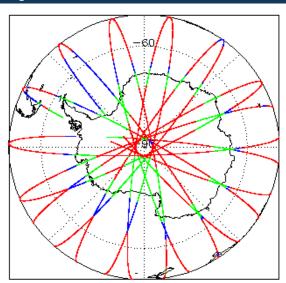
		Check	L1 & L2
Report Production:	07-May-2020	Server check: science-pds.cryosat.esa.int	Nominal
Processor Used:		Server check: calval-pds.cryosat.esa.int	Nominal
Processor Useu.	CryoSat Ocean Processor	Product Software Check	Nominal
Data Used:	Near Real Time Ocean Products (NOP)	Product Format Check	Nominal
	L1B & L2 Science Data	Product Header Analysis	Nominal
		Auxiliary Data File Usage Check	See Section 4.3 and 5.3
		Auxiliary Correction Error Check	See Section 5.4
		Measurement Confidence Data Check	See Section 4.5, 4.6
		Measurement Quality Flag Check	See Section 5.6
		Ocean Retracking Quality Check	See Section 5.7

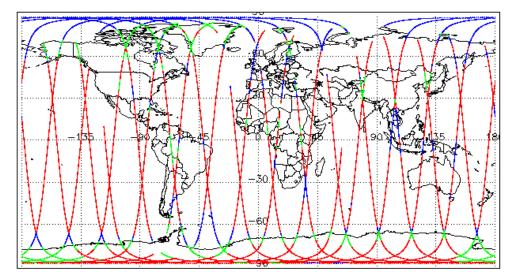
Mission / Instrument News

21-Apr-2020 Due to an incident on the SSALTO data server, AUX and AUXI production was delayed from ~22:00:00 UTC 22-Apr-2020 Due to an incident on the SSALTO data server, AUX and AUXI production was delayed for 24 hours 23-Apr-2020 Due to an incident on the SSALTO data server, AUX and AUXI production was delayed for 24 hours

2. Global Coverage







Mode Coverage

LRM
SAR
SARIn

3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

4. NOP Level 1B Data Quality Check

4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0

4.2 L1B Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.				
L1B Processing Quality HR: The I1b_proc_flag_hr flag is currently set all L1B IC	OPR and IOPN products because the I1b_proce	ssing_quality_hr field is not correctly configured in the OSAR and		
OSARIn chains. A modification is required in the next release.				
Number of products with errors: 0				
4.3 L1B Auxilary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-du-				
Dynamic Atmospheric Correction: The DAC is missing in all products because Number of products with errors: 191		ne for processing. This known and expected behaviour.		
Product	AUX File	Comment		
All L1 NOP product from 20200422T120517 missing (191 products)	AUXISURFPS, AUXISEAMPS, AUXIU_WIN AUXIV_WIND, AUX_ALTGRD	D, Forecast Meteo AUXI missing at the time of processing		
4.4 L1B Auxiliary Correction Error Check				
	The hit value of this flag indicates any problems	when set		
CryoSat L1B data includes a correction error flag for each measurement record. Number of products with errors: 0	The bit value of this hay indicates any problems	wirdi sel.		
4.5 L1B Measurement Confidence Data Check				
CryoSat L1B data includes a measurement confidence flag for each measurement				
> Attitude Correction Missing: This flag is currently set in error for NOPR produces with errors: 0	icis due lo a configuration issue. This is being if	vestigated and will be updated in the next SW update.		
·				
4.6 L1B Waveform Group Data Check				
CryoSat L1B data includes a waveform data flag for each measurement record. T	he bit value of this flag indicates any problems	vhen set.		
> Loss of Echo Flag: This flag is currently set for products over land, but this is	to be expected.			
Number of products with errors: 20				
Product	Test Failed De	scription		
CS_OFFL_SIR_NOPM1B_20200422T023252_20200422T024251_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPM1B_20200422T080128_20200422T081344_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T010317_20200422T010726_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T061232_20200422T061630_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T070544_20200422T070711_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T093044_20200422T093303_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T102349_20200422T102532_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T120146_20200422T120431_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T134225_20200422T134343_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T183717_20200422T183902_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T191617_20200422T192042_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T192130_20200422T192244_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPN1B_20200422T205752_20200422T210139_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20200422T030009_20200422T030211_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20200422T043651_20200422T044415_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20200422T060039_20200422T060237_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20200422T082528_20200422T082922_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20200422T110604_20200422T111013_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20200422T160359_20200422T161443_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
CS_OFFL_SIR_NOPR1B_20200422T181134_20200422T181527_C001	Loss of Echo Th	e tracking echo is missing for one or more records		
5. NO	Level 2 Data Quality Chec	k		
5.1 L2 Product Format Check				
Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL). Number of products with errors: 0				
5212 Product Header Analysis				
5.2 L2 Product Header Analysis				
For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain. Number of products with errors: 0				
5.3 L2 Auxiliary Data File Usage Check				
Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct. Number of products with errors: 191				
Product		Comment		
All L2 NOP product from 20200422T120517 missing (191 products)	AUXISURFPS, AUXISEAMPS, AUXIU_WIN AUXIV_WIND, AUX_ALTGRD	D, Forecast Meteo AUXI missing at the time of processing		

5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test

> ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.

> Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.

> Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.

> Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

AUX_ACTOR AUX_ACTOR S0 CPL_SIR_NOPM_2_20200427103424_0200427103420_0001 March Sparse Tesporaty (1) Thes is an enter with the Main Typerine Tesporaty (1) S0 CPL_SIR_NOPM_2_20200427103424_0200427103420_0001 March Sparse Tesporaty (1) Thes is an enter with the Main Typerine Tesporaty (1) S0 CPL_SIR_NOPM_2_20200427103423_000127101640_001 March Sparse Tesporaty (1) Thes is an enter with the Main Typerine Tesporaty (1) S0 CPL_SIR_NOPM_2_20200427103120_00127101640_001 March Sparse Tesporaty (1) Thes an enter with the Main Typerine Tesporaty (1) S0 CPL_SIR_NOPM_2_20200427103120_00127101640_001 March Sparse Tesporaty (1) Thes an enter with the Main Typerine Tesporaty (1) S0 CPL_SIR_NOPM_2_20200427103120_000127101640_001 March Sparse Tesporaty (1) Thes an enter with the Main Typerine Tesporaty (1) S0 CPL_SIR_NOPM_2_20200427101710_000127101640_0011 March Sparse Tesporaty (1) Thes an enter with the Main Typerine Tesporaty (1) S0 CPL_SIR_NOPM_2_20200427101710_000127101640_0011 March Sparse Tesporaty (1) Thes an enter with the MASN height (1) for enter more resource S0 CPL_SIR_NOPM_2_20200427101710_000127101920_0011 March Sparse Tesporaty (1) Thes an enter with the MASN height (1) for enter more resource S0 CPL_SIR_NOPM_2_20200427101710_0010 March Sparstesporaty (1) Thes an enter with the MASN heigh	Product	Test Failed	Description
 a. On Link Hoom 2, 2000422100342, 2000422103442, 2000422103442, 20004221003442, 2000422103442, 2000422103442, 2000422103442, 2000422	All L2 NOP product from 20200422T120517 missing (191 products)	AUXIU_WIND, AUXIV_WIND,	Forecast Meteo AUXI missing at the time of processing
 A. Dirt, B. K. Owith J. 20000221100322 (2000022110032) (20000221100320) (200002211003000000000000000000000000000	CS_OFFL_SIR_NOPN_2_20200422T015624_20200422T015749_C001	Mean Dynamic Topography (1)	
Back PL, Sink J, MORN J, 200042710933 J. 2000427110934 J. 200042	CS_OFFL_SIR_NOPN_2_20200422T033552_20200422T033718_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
-2. OFF_BR_NOPH_2_00042710316_00042710316_0001 Market Upmark (degraph()) The set a more excess -3. OFF_BR_NOPH_2_00042710313_00042710303_00042710303_00042710303_00042710303_00042710303_00042710303_000427103000_00000000000000000000000000000000	CS_OFFL_SIR_NOPN_2_20200422T034231_20200422T034533_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Bit Diff. 200 MUCH 2000427100102 2000427101010 Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy (1) Transparphy (1) Start C, J. Man Dynamic Transparphy (1) Transparphy	CS_OFFL_SIR_NOPN_2_20200422T051603_20200422T051907_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
B3_0FH_SR_NOPH_2.2020422101522_202042210553_000 There is an error with the XS3 prept (solution 1) and the Man Dynamic The Goord The Control	CS_OFFL_SIR_NOPN_2_20200422T052133_20200422T052648_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Bay DHP_dim, NuMP, 20000427107502,0000427107502,0000 Toography (1)	CS_OFFL_SIR_NOPN_2_20200422T061232_20200422T061630_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsgraph (1) Trgsg	CS_OFFL_SIR_NOPN_2_20200422T075119_20200422T075235_C001	Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Sp. UHL_BIN_NOM_2_a0000427109344_200042710350_0001 Topography (1) Topography (1) SS_GFFL_SIR_NOPN_2_a000042710346_200042710345_0001 Mem Sea Sufface (1), Mem Dynamic Topography (1) There is an error with the MSS height (aduation 1) for one or more records SS_GFFL_SIR_NOPN_2_a0000427110346_0001 Mem Sea Sufface (1), Mem Dynamic Topography (1) There is an error with the MSS height (aduation 1) and the Mean Dynamic Topography height for one or more records SS_GFFL_SIR_NOPN_2_a0000427116346_0001 Mem Sea Sufface (1), Mem Dynamic Topography height for one or more records SS_GFFL_SIR_NOPN_2_a0000427116346_0001 Mem Sea Sufface (1), Mem Dynamic Topography height for one or more records SS_GFFL_SIR_NOPN_2_a0000427116345_0001 Mem Sea Sufface (1), Mem Dynamic Topography height for one or more records SS_GFFL_SIR_NOPN_2_a0000427116345_0001 Mem Sea Sufface (1), Mem Dynamic Topography height for one or more records SS_GFFL_SIR_NOPN_2_a0000427116345_0001 Mem Sea Sufface (1), Mem Dynamic Topography height for one or more records SS_GFFL_SIR_NOPN_2_a0000427116244_20001427116345_001 Mem Sea Sufface (1), Mem Dynamic Topography height for one or more records SS_GFFL_SIR_NOPN_2_a00004271162140_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_20001427116244_200144_2001444_200144_20001427116244_20001427116244	CS_OFFL_SIR_NOPN_2_20200422T075432_20200422T075711_C001	Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	Topography (solution 1) and the tidal corrections for one or more records
Syst DHFL_SIR_NOPN_2_80200422110342_0000422110342_0001 Topograph (1) Topograph (2) SS_OFFL_SIR_NOPN_2_80200422110348_02000422110348_0001 Mean Siss Sinder (3), Mean Dynamic Topograph (1) There is an error with the MSS height (solution 1) for one or more records SS_OFFL_SIR_NOPN_2_80200422110348_02000422110348_0001 Mean Siss Sinder (3), Mean Dynamic Topograph (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topograph (1) SS_OFFL_SIR_NOPN_2_80200422116328_02000422116348_0001 Mean Siss Surface (1), Mean Dynamic Topograph (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topograph (1) for one or more records SS_OFFL_SIR_NOPN_2_80200422116328_02001 Mean Siss Surface (1), Mean Dynamic Topograph (1) for one or more records SS_OFFL_SIR_NOPN_2_802004221160334_020004221163356_0001 Mean Siss Surface (1), Mean Dynamic Topograph (1) for one or more records SS_OFFL_SIR_NOPN_2_80200422116034_02000422116325_0011 Mean Siss Surface (1), Mean Dynamic Topograph (1), There is an error with the MSS height (solution 1) for one or more records SS_OFFL_SIR_NOPN_2_80200422116214_002000422116324_0001 Mean Siss Surface (1), Mean Dynamic Topograph (1), Their Siss aneror with the MSS height (solution 1) and the Mean Dynamic Topograph (1), Tobial Genomics Coam Toe errors records SS_OFFL_SIR_NOPN_2_802004221162158_02000422116224_0001 Mean Siss Surface (1), Mean Dynamic Topograph (1), Tobial Genomics Coam Toe errors with the MSS height (solution 1) and the Mean Dynamic T	CS_OFFL_SIR_NOPN_2_20200422T093044_20200422T093303_C001	Topography (1)	
SuperL_SIR_NOPN_2_2020422111011_S_0200422111435_0001 Topography (1) Topography (1) Topography (1) Scs_OFFL_SIR_NOPN_2_20204221120146_0200422112033_0001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Scs_OFFL_SIR_NOPN_2_20200422110324_02004221130336_0001 Mean Son Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Scs_OFFL_SIR_NOPN_2_202004221103034_02004221103039_0001 Mean Son Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Scs_OFFL_SIR_NOPN_2_202004221103034_02004221103039_0001 Mean Son Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) or one rare records Scs_OFFL_SIR_NOPN_2_202004221103034_02004221102042_0001 Mean Son Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Scs_OFFL_SIR_NOPN_2_202004221102130_202004221102044_0001 Mean Son Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Scs_OFFL_SIR_NOPN_2_202004221102130_202004221102044_0001 Mean Son Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Scs_OFFL_SIR_NOPN_2_202004221102130_	CS_OFFL_SIR_NOPN_2_20200422T101327_20200422T101512_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
So CPFL_SIR_NOPN_2_20200422T10146_20200422T13338_0001 Mean Ses Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) Mean Ses Surface (1). Mean Dynamic Topograph	CS_OFFL_SIR_NOPN_2_20200422T111013_20200422T111456_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
Sp. FrL_SiR_NOPN_2_2000422T15328_2000422T151543_C001 Topography (1) Topography (2) Sp. GFL_SiR_NOPN_2_20200422T15128_20200422T151543_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Sp. GFL_SiR_NOPN_2_20200422T100324_2000422T10114_C001 Mean Sea Surface (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Sp. GFL_SiR_NOPN_2_20200422T101617_20200422T102042_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Sp. GFL_SiR_NOPN_2_20200422T102104_2000422T192042_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Sp. GFL_SiR_NOPN_2_20200422T102130_20200422T192244_0001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Sp. GFL_SiR_NOPN_2_20200422T201536_20200422T210139_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Sp. GFL_SiR_NOPN_2_20200422T205752_20200422T120139_C001 Mean Sea Surface (1). Mean Dynamic Topography (1) There is an error with the MSS height (colution 1) and the Mean Dynamic Topography (1) Sp. GFL_SiR_NOPN_2_20200422T1565_C001 Mean Se	CS_OFFL_SIR_NOPN_2_20200422T120146_20200422T120431_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
Sp. DFL_SiR_NOPK_2_20200422T16324_2020422T16325_0001 Topography (1) Topography (1) There is an error with the XBS height (solution 1) for one or more records SS_OFFL_SIR_NOPK_2_20200422T16032_000422T17000_200422T17014_C001 Mean Ses Surface (1). Mean Dynamic Topography (1) There is an error with the XBS height (solution 1) for one or more records SS_OFFL_SIR_NOPK_2_20200422T172014_2020422T17435_C001 Mean Ses Surface (1). Mean Dynamic Topography (1) There is an error with the XBS height (solution 1) for one or more records CS_OFFL_SIR_NOPK_2_20200422T192042_C001 Mean Ses Surface (1). Mean Dynamic Topography (1) There is an error with the XBS height (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (FES). Non-Equilibrium Long Period CS_OFFL_SIR_NOPK_2_20200422T192042_C10158_0200422T192044_C0011 Mean Ses Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (FES). Non-Equilibrium Long Period CS_OFFL_SIR_NOPK_2_20200422T201536_0200422T201811_C001 Mean Ses Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPK_2_20200422T205752_0200422T210159_C001 Mean Ses Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPK_2_20200422T252556_C001 Mean Ses Surface (1). Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPN_2_20200422T133249_20200422T133638_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
SUPEL_SIR_NOPN_2_2020422T170103_20000422T170114_C001 Topography (1) Topography (a) CS_OFFL_SIR_NOPN_2_2020422T170103_20200422T170114_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200422T19210_20200422T19242_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200422T19210_20200422T192244_C001 Mean Ses Surface (1), Mean Dynamic Topography (i), Total Geocentric Ocean Tide (FS), Non-Equilibrium Long Period Ocean Tide (FS), Non-Equilibrium Long Period Cocean Tide (FS), Non-Equilibrium Long Period Cocean Tide (S), Non-Phy_2_20200422T201536_20200422T201611_C001 There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200422T205752_0200422T201611_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200422T210555_20200422T210139_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPN_2_20200422T2125552_0200422T125555_C001 Mean Sas Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography height (solution 1)	CS_OFFL_SIR_NOPN_2_20200422T151228_20200422T151543_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
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Sort CFL_SIR_NOPN_2_20200422T192042_0001 Mean Dynamic Topography (1) more records CS_OFFL_SIR_NOPN_2_20200422T192130_20200422T192244_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (50) (solution 1) and the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records CS_OFFL_SIR_NOPN_2_20200422T192130_20200422T192244_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records CS_OFFL_SIR_NOPN_2_20200422T201536_20200422T201611_C001 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (1) Total Geocentric Ocean Tide CS_OFFL_SIR_NOPN_2_20200422T201536_20200422T201639_C0011 Mean Sea Surface (1), Mean Dynamic Topography (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocentric Ocean Tide (solution 1) and the Mean Dynamic Topography (1). Total Geocen	CS_OFFL_SIR_NOPN_2_20200422T170003_20200422T170114_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
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CS_OFFL_SIR_NOPN_2_20200422T205752_20200422T210139_C001 Topography (1), Total Geocentric Ocean Topography height (solution 1) and the Total Geocentric Ocean Tide (solution 1: GOT) for one or more records CS_OFFL_SIR_NOPN_2_20200422T215447_20200422T21555_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200422T233610_20200422T233654_20200422T233736_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPN_2_20200422T060500_20200422T060622_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T110604_20200422T11013_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T110604_20200422T11013_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T124025_20200422T11013_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T14203_20200422T143150_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T142	CS_OFFL_SIR_NOPN_2_20200422T201536_20200422T201811_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
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CS_OFFL_SIR_NOPR_2_20200422T141303_20200422T141356_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPR_2_20200422T142403_20200422T143150_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T160359_20200422T161443_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T174335_20200422T174753_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T174753_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPR_2_20200422T124025_20200422T125054_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20200422T142403_20200422T143150_C001 Topography (1) Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T160359_20200422T161443_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPR_2_20200422T174335_20200422T174753_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPR_2_20200422T174735_20200422T174753_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mesn Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1)	CS_OFFL_SIR_NOPR_2_20200422T141303_20200422T141356_C001		There is an error with the Mean Dynamic Topography height for one or
CS_OFFL_SIR_NOPR_2_20200422T160359_20200422T161443_C001 Mean Sea Surface (1), Mean Dynamic Topography (a) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (b) CS_OFFL_SIR_NOPR_2_20200422T174335_20200422T174753_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T174753_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mesn Dynamic Topography height for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mesn Dynamic Topography height for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Sea Surface (1), Mean Dynamic There is an error with the Mesn Dynamic Topography height for one or more records	CS_OFFL_SIR_NOPR_2_20200422T142403_20200422T143150_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200422T174335_20200422T174753_C001 Mean Sea Surface (1), Mean Dynamic Topography height (solution 1) and the Mean Dynamic Topography (1) CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height (solution 1) and	CS_OFFL_SIR_NOPR_2_20200422T160359_20200422T161443_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001 Mean Dynamic Topography (1) There is an error with the Mean Dynamic Topography height for one or more records There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) and the Mean Dynamic (solution 1) and the Mean Dynamic (solution 1) and the Mean Dynamic (solution 1) and the MEAN DYNAM D	CS_OFFL_SIR_NOPR_2_20200422T174335_20200422T174753_C001	Mean Sea Surface (1), Mean Dynamic	There is an error with the MSS height (solution 1) and the Mean Dynamic
CS OFEL SIR NORR 2 20200422T102244 20200422T102805 C001 Mean Sea Surface (1), Mean Dynamic There is an error with the MSS height (solution 1) and the Mean Dynamic	CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001		There is an error with the Mean Dynamic Topography height for one or
Topography height (solution 1) for one or more records	CS_OFFL_SIR_NOPR_2_20200422T192244_20200422T192805_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic

CS_OFFL_SIR_NOPR_2_20200422T210140_20200422T210841_C001

Mean Sea Surface (1)

Mean Sea Surface (1), Mean Dynamic Topography (1) There is an error with the MSS height (solution 1) for one or more records

There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

Mean Sea Surface (1), Mean Dynamic Topography (1)

5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

5.6 L2 Measurement Quality Flag Check

L2 Quality Flags (20Hz)

CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

> Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flags are currently set for some records over ocean.

> OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

0

76

Number of products with errors:

CS_OFFL_SIR_NOPM_2_20200421T235028_20200422T001614_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Qua
CS_OFFL_SIR_NOPM_2_202004221002305_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200422T002953_20200422T010317_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b Backscatter Quality Flags have b Backscatter Quality CS_OFFL_SIR_NOPM_2_20200422T015749_20200422T015603_C001 Ocean Altimeter Range Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have b Backscatter Quality CS_OFFL_SIR_NOPM_2_20200422T015749_20200422T020339_C001 OCCOG Altimeter Range Quality, OCOG Backscatter Quality The Ocean Altimeter Range and Backscatter Quality Flags have b Backscatter Quality CS_OFFL_SIR_NOPM_2_20200422T020859_20200422T023244_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Backscatter Quality CS_OFFL_SIR_NOPM_2_20200422T020859_20200422T023244_C001 Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and B
CS_OFFL_SIR_NOPM_2_20200422T002953_20200422T010317_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20200422T012558_20200422T014508_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records. CS_OFFL_SIR_NOPM_2_20200422T015749_20200422T023244_C001 OCOG Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records. The Ocean Altimeter Range, SSHA, SWH and the OCOG Altimeter Range and Backscatter Quality Flags have be for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T012558_20200422T014508_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20200422T014938_20200422T015603_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20200422T015749_20200422T015603_C001 Ocean Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20200422T015749_20200422T020339_C001 OCOG Altimeter Range Quality, OCOG The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_NOPM_2_20200422T020859_20200422T023244_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. Cs_OFFL_SIR_NOPM_2_20200422T020859_20200422T023244_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. Ocean Altimeter Range and Backscatter Quality Flags have been for one or more records. The OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been for one or more records. Ocean Altimeter Range and Backscatter Quality Ocean Altimeter Range and Backscatter Quality The Ocean Altimeter Range and Backscatte
CS_OFFL_SIR_NOPM_2_20200422T014938_20200422T015603_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality and the OCOG Altimeter Range and Backscatter Quality Flags have be set for one or more records. CS_OFFL_SIR_NOPM_2_20200422T015749_20200422T020339_C001 OCOG Altimeter Range Quality, OCOG Backscatter Quality The OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records. CS_OFFL_SIR_NOPM_2_20200422T020859_20200422T020339_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range and Backscatter Quality Flags have be and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have be set for one or more records.
CS_OFFL_SIR_NOPM_2_202004221013/49_202004221020339_C001 Backscatter Quality for one or more records. CS_OFFL_SIR_NOPM_2_20200422T020859_20200422T023244_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality. OCOG The Ocean Altimeter Range and Backscatter Quality Flags have b set for one or more records. Ocean Altimeter Range, SSHA, SWH Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T020859_20200422T023244_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T023252_20200422T024251_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality
CS_OFFL_SIR_NOPM_2_20200422T025618_20200422T025716_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T032221_20200422T033516_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T033719_20200422T034231_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T034831_20200422T041044_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T041329_20200422T042257_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b Set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T043425_20200422T043651_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T045324_20200422T051343_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T052829_20200422T055949_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b and the OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T061718_20200422T063632_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have b and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T063643_20200422T064925_C001 Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Fla Altimeter Range and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have b set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T070229_20200422T070544_C001 OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been for one or more records.
Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Fla

CS_OFFL_SIR_NOPM_2_20200422T072508_20200422T073508_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T074006_20200422T074448_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T075235_20200422T075432_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T075712_20200422T075920_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T080128_20200422T081344_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T083010_20200422T083109_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T083713_20200422T084001_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T084015_20200422T084445_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T084654_20200422T090132_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T094834_20200422T101239_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T101513_20200422T102349_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T102620_20200422T105128_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T112605_20200422T115120_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T115726_20200422T120145_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T120517_20200422T123508_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T125816_20200422T133040_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T133639_20200422T134225_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T134352_20200422T135007_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T143520_20200422T150936_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T151543_20200422T152056_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T152257_20200422T154205_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T160029_20200422T160056_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T161444_20200422T164235_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T164246_20200422T164806_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T165356_20200422T165543_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T165550_20200422T170003_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPM_2_20200422T170217_20200422T173025_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T175501_20200422T181000_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T182116_20200422T182732_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T182918_20200422T183442_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T183501_20200422T183716_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T184550_20200422T185815_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T185933_20200422T191617_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T193802_20200422T194912_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T195152_20200422T200639_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T200845_20200422T201340_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T201417_20200422T201536_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T202225_20200422T202714_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T204003_20200422T205131_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T213033_20200422T214537_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T214818_20200422T215253_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T215315_20200422T215324_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T215912_20200422T222607_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T225937_20200422T231957_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T232038_20200422T232503_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T232819_20200422T233207_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T233229_20200422T233554_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200422T233826_20200423T000550_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T111545_20200422T111706_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T115304_20200422T115439_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T141204_20200422T141302_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T142315_20200422T142403_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPN_2_20200422T154205_20200422T154421_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T203955_20200422T204002_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T225453_20200422T225635_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T233223_20200422T233229_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (20Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

> Ocean Altimeter Range, SSHA, SWH and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over sea ice > OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice Number of products with errors: 86 **Test Failed** Product Description OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20200422T001614_20200422T001749_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20200422T002639_20200422T002803_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20200422T010317_20200422T010726_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20200422T020541_20200422T020654_C001 OCOG Backscatter Quality more records. The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS_OFFL_SIR_NOPN_2_20200422T024432_20200422T024638_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20200422T025900_20200422T030009_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20200422T031804 20200422T031830 C001 OCOG Backscatter Quality more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR NOPN 2 20200422T033552 20200422T033718 C001 Altimeter Range and Backscatter Quality set for one or more records PLRM The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS OFFL SIR NOPN 2 20200422T034231 20200422T034533 C001 OCOG Backscatter Quality more records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM, OCOG CS_OFFL_SIR_NOPN_2_20200422T051603_20200422T051907_C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags CS OFFL SIR NOPN 2 20200422T052133 20200422T052648 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records PLRM OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20200422T061232 20200422T061630 C001 OCOG Backscatter Quality more records. Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been CS OFFL SIR NOPN 2 20200422T065610 20200422T065638 C001 Altimeter Range and Backscatter Quality set for one or more records. PI RM

OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20200422T073508_20200422T073816_C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20200422T075119 20200422T075235 C001 OCOG Backscatter Quality nore records OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS OFFL SIR NOPN 2 20200422T075432 20200422T075711 C001 OCOG Backscatter Quality more records. OCOG Altimeter Range Quality PLRM, The OCOG Range and Backscatter Quality Flags have been set for one or CS_OFFL_SIR_NOPN_2_20200422T081556_20200422T081658_C001 OCOG Backscatter Quality The OCOG Range and Backscatter Quality Flags have been set for one or OCOG Altimeter Range Quality PLRM, CS_OFFL_SIR_NOPN_2_20200422T081804_20200422T081825_C001 OCOG Backscatter Quality nore records. Ocean Altimeter Range, SSHA, SWH The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and Backscatter Quality PLRM. OCOG CS OFFL SIR NOPN 2 20200422T082922 20200422T082956 C001 and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality set for one or more records. PLRM

CS_OFFL_SIR_NOPN_2_20200422T084445_20200422T084627_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T093044_20200422T093303_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T093348_20200422T093526_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T093538_20200422T093617_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T105128_20200422T105353_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T115304_20200422T115439_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T120146_20200422T120431_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T133249_20200422T133638_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T140052_20200422T140248_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T141828_20200422T141950_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T142315_20200422T142403_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T143349_20200422T143519_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T160324_20200422T160359_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T164235_20200422T164246_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T164944_20200422T165356_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T193549_20200422T193802_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T200701_20200422T200844_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_0FFL_SIR_NOPN_2_20200422T202022_20200422T202153_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T203418_20200422T203942_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T205618_20200422T205703_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T205752_20200422T210139_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T223610_20200422T224001_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200422T225453_20200422T225635_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T011539_20200422T012002_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T024356_20200422T024432_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T025827_20200422T025900_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS OFFL SIR NOPR 2 20200422T032023 20200422T032221 C001	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
	OCOG Backscatter Quality Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG	more records. The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPR_2_20200422T034533_20200422T034831_C001	Altimeter Range and Backscatter Quality PLRM	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T043651_20200422T044415_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T051343_20200422T051603_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T052648_20200422T052829_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T064926_20200422T065609_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T075920_20200422T080128_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T081344_20200422T081556_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T090512_20200422T091021_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T091819_20200422T091827_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T094000_20200422T094014_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T094550_20200422T094711_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T101239_20200422T101327_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T102533_20200422T102619_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T105547_20200422T105634_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T110445_20200422T110542_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T123508_20200422T123544_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T124025_20200422T125054_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T133040_20200422T133249_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T141951_20200422T142022_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T142403_20200422T143150_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T150936_20200422T151228_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T155117_20200422T155301_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T160056_20200422T160324_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T160359_20200422T161443_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T164806_20200422T164944_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPR_2_20200422T174335_20200422T174753_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T174754_20200422T175108_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T175231_20200422T175500_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T181134_20200422T181527_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T183902_20200422T184549_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T192244_20200422T192805_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T201811_20200422T202022_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T205537_20200422T205618_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T210140_20200422T210841_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T211330_20200422T211408_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T212218_20200422T213032_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T214537_20200422T214625_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T222607_20200422T222837_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T224001_20200422T224505_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200422T233737_20200422T233826_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

L2 Quality Flags (1 Hz & 1Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below.

139

192

> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

Number of products with errors:

5.7 L2 Ocean Retracking Quality Check	
L2 Retracking Flags (20Hz)	
CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.	
Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected.	
Number of products with errors:	59
L2 Retracking Flags (20Hz, PLRM)	
CrooSat I 2 data includes an ocean retracking quality flag for each 20-Hz PI RM measurement record. The bit value of this flag indicates any problems when set	

Sat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag (PLRM): This flag is currently set for products NOPR and NOPN products over sea ice, but this is to be expected.

Number of products with errors: