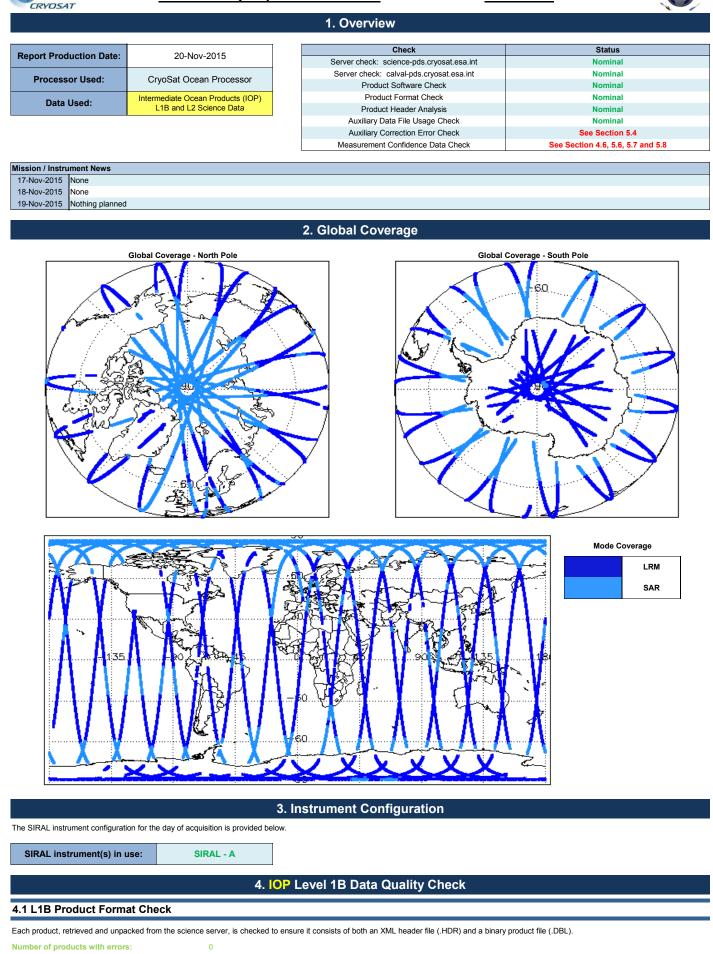


## IDEAS+ Daily Report for IOP data:

# <u>18/11/2015</u>





## 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.

0

CS_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001       Total Geocentric Ocean Tide (FES), Non-       FES) and the Non-equilibrium Long Period Ocean Tide height for one more records         CS_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001       Total Geocentric Ocean Tide (FES), Non-       FES) and the Non-equilibrium Long Period Ocean Tide height (solution for one more records         CS_OFFL_SIR_IOP_2_20151118T033514_20151118T033525_B001       Total Geocentric Ocean Tide (FES), Non-       FES) and the Non-equilibrium Long Period Ocean Tide height (solution for one more records         CS_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non-       FES) and the Non-equilibrium Long Period Ocean Tide height (solution for one more records         CS_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-       FES) and the Non-equilibrium Long Period Ocean Tide height (solution for one more records         CS_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non-       FES) and the Non-equilibrium Long Period Ocean Tide height (solution more records         CS_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non-       FES) and the Non-equilibrium Long Period Ocean Tide height (solution more records         Total Geocentric Ocean Tide (FES), Non-       Fes an error with the Total Geocentric Ocean Tide height (solution more records       There is an error with the Total Geocentric Ocean Tide height (solution more records			
A 1-19 Auxiliary Correction Error Check  TypeId 11 fabric recises a consister on the global fifty or each measurement record. The bit value of this teg indicates any problems when set  A 1-19 Auxiliary Correction Error Check  A 1-19 Auxiliary	• • • • •	e-determined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
page in a net of experience of the second experiment and an investment recent. The bit value of this flag indicates any problems when set.	lumber of products with errors: 0		
under of product with street.         0           5.115 Measurement Confidence Data Check.           update 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a severement confidence Data Check.           vocds 116 data includes a vocde method in mode vocds restreed.           vocds 116 data includes a vocde method includes vocds restreed.           vocds 116 data includes 20011111100421 (200111110042) (200111110042) (2001) (2002) (	4 L1B Auxiliary Correction Error Check		
S-154 Measurement Confidence Data Check  redex 1:5 data brackes a massurement confidence Data Check  redex 1:5 data brackes a massurement confidence Data Check  redex 1:5 data brackes a massurement confidence Data Check	ryoSat L1B data includes a correction error flag (field 60) for each measurer	nent record. The bit value of this flag indicates	any problems when set.
Products with any sector of p	umber of products with errors: 0		
Products with any sector of p	5 L1B Measurement Confidence Data Check		
Base of grounds well wereards         g           Statistic difference		manurament record. The hit value of this flog	indicates any problems when set
A - 1-13 Avan Fordup Data Check  Type - 1-13 data relates a severalm data fag (field 63) for each measurement resent. The total or firs flag indicates any products when set:  sets of Enther Part. This is a correction of the LAN. This is a bit expected.  Weak of product when merit:  10  10  10  10  10  10  10  10  10  1		measurement record. The bit value of this hag	indicates any problems when set.
Page 118 deta includes a sevention data flag (field 63) for each measurement record. The ist value of his flag indicates any problems when set: see of Enformance of product or when energy in the product or when product is a bit expected. When of product of product or product or when energy in the product or when energy in the product of product or when energy in the product of product or when energy in the product of product or when energy in the product of when energy in the pro			
The set of box Figs. The fug is currently set for products over fund, but the is to be expended with wrone:	.6 L1B Waveform Group Data Check		
Sector         Sector         Sector           Sector	ryoSat L1B data includes a waveform data flag (field 65) for each measurem	nent record. The bit value of this flag indicates a	any problems when set.
Description         Test Failed         Description           0. OFFSRU_OF_18_20511181010748_2015111811022.p011         Loss of Erio         The tracking schols inmaning for one or more records           0. OFFSRU_OF_18_20151118101442_20151118110422.p0151118110422.p015111811042_p011         Loss of Erio         The tracking schols inmaning for one or more records           0. OFFSRU_OF_18_2015111811042_p015111811042_p011         Loss of Erio         The tracking schols inmaning for one or more records           0. OFFSRU_OF_18_2015111811042_p011         Loss of Erio         The tracking schols inmaning for one or more records           0. OFFSRU_OF_18_20151118110421_20151118111052_p011         Loss of Erio         The tracking schols inmaning for one or more records           0. OFFSRU_OF_18_20151118110421_20151118110222_201511181128228_p010         Loss of Erio         The tracking schols inmaning for one or more records           0. OFFSRU_OF_18_20151118110421_201511181128228_p010         Loss of Erio         The tracking schols inmaning for one or more records           0. OFF_SRU_OF_18_20151118110421_201511181128228_p010         Loss of Erio         The tracking schols inmaning for one or more records           0. OFF_SRU_OF_18_20_0F118210828_20_0011         Loss of Erio         The tracking schols inmaning for one or more records           0. OFF_SRU_OF_18_20_0F118210828_20_0011         Loss of Erio         The tracking schols inmaning for one or more records           0. OFF_SRU_OF_28_20_0F12_S	oss of Echo Flag: This flag is currently set for products over land, but this is	s to be expected.	
S. OFFL. SIR. UPC. 16, 20151111010128, 20151113101132, 2001         Loss of Exho         The tracking exho is missing for one or more records           S. OFFL. SIR. UPC. 16, 2015111010162, 20151113101012, 20151113101012, 20151113101012, 20151113101012, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 2015111310102, 20151131012, 20151131012, 20151131012, 20151131012, 20151131012, 20151131012, 20151131012, 2015113102, 20151131012, 2015113102, 2015113102, 2015113102, 2015113102, 20151131012, 2015113102, 2015	umber of products with errors: 10		
S, GFL_SR_QOP_18_20161114T019824_20161114T023232_8001       Leas of Echo       The tracking echo is meany for one or more records         S, GFL_SR_QOP_18_QOP_18_20161114T01448_201611       Leas of Echo       The tracking echo is meany for one or more records         S, GFL_SR_QOP_18_QOP_18_20161114T01442_20151116T110152_2011114T01442_2001       Leas of Echo       The tracking echo is meany for one or more records         S, GFL_SR_QOP_18_20161114T01412_20151114T110152_20151114T110152_20151114T110152_20151114T110242_20151114T110122_20151114T110242_20151114T110242_20151114T110242_20151114T1024_2015114T1024_2015114T1024_2015114T1024_2015114T10242_20151114T10242_20151114T10242_20151114T0144_2014_20144_201441_20144_201441_20144_20144_201441_20144_20144_20144_201441_20144_2			
S. OFF_SIR_UP_18_201511181044018_201511181044011_8001         Loss of Echo         The tracking echo is meany for one or more records           S. OFF_SIR_UP_18_201511181101032_201511181101033_B001         Loss of Echo         The tracking echo is meany for one or more records           S. OFF_SIR_UP_18_201511181101032_20151118110131_B001         Loss of Echo         The tracking echo is meany for one or more records           S. OFF_SIR_UP_18_201511181101231_20151118113128_2010         Loss of Echo         The tracking echo is meany for one or more records           S. OFF_SIR_UP_18_20151118110231_20151118113212_B001         Loss of Echo         The tracking echo is meany for one or more records           S. OFF_Love12_Data Quality Check         The tracking echo is meany for one or more records         The tracking echo is meany for one or more records           S. OFF_Love12_Data Quality Check         State frame         The tracking echo is meany for one or more records           S. OFF_Love12_Data Quality Check         State frame         The tracking echo is meany for one or more records           S. OFF_Love12_Data Quality Check         State frame         The tracking echo is meany for one or more records           S. OFF_Love12_Data Quality Check         State frame         The tracking echo is meany for one or more records           S. OFF_Love12_Data Quality Check         State meany for one or more records         State Quality Check           S. OFF_Love12_Data Quality Check         State Qua			
Sepert and point is adding and a mean given and a mean g			
SorFL_SIR_UOP_18_20151118T104153_20151118T104442_8001     Loss of Echo     The tracking ocho is missing for one or more records       SorFL_SIR_UOP_18_20151118T10138_20151118T10038_001     Loss of Echo     The tracking ocho is missing for one or more records       SorFL_SIR_UOP_18_20151118T10138_20151118T10038_20151118T10038_8001     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_20151118T10034_20151118T10038_8001     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_20151118T10034_20151118T10038_8001     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_20151118T10034_20151118T10238_8001     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_20151118T10034_20151118T10238_8001     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_2015118T105392     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_2015118T105392     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_2015118T105392     Loss of Echo     The tracking ocho is missing for one or more records       S_OFFL_SIR_UOP_18_2015118T105392     S_OFFL_SIR_UOP_18_2015118T105392     Loss of Echo       S_OFFL_SIR_UOP_2_0015118T00505     O     S_OFFL_SIR_UOP_2_0015118T00505     Loss of Echo       S_OFFL_SIR_UOP_2_0015118T00505     O     D			
S_OFF_SIR_OP_18_20151118T110136_20151118T110331_2001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_18_20151118T12441_20151118T12352_001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_18_20151118T181352_0151118T181352_0151118T181352_0151118T181352_0151118T181352_0151118T18033_2001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_18_20151118T181352_0151118T18033_2015_0001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_18_20151118T181353_20151118T18033_2015_0001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_18_20151118T180352_0151118T180353_0001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_18_20151118T190321_20151118T120033_8001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_18_20151118T190521_20151118T120033_8001     Loss of Echo     The tracking echo is missing for one or more records       S_OFF_SIR_OP_2     and upper depodutes with errors:     0       S_OFF_SIR_OP_2     and upper depodutes with errors:     0       S_OFF_SIR_OP_2     and upper depodutes with errors:     0       S_OFF_SIR_OP_2_2015118T0010251_201570     and the Low 2 products which are expected due to surface type. All common flags are summarised in the list before the origonal surface type for products over land and sea ice. but this is to be expected. <t< td=""><td></td><td></td><td></td></t<>			
S_OFFL_SIR_UOP_18_201511181124411_201511181131812_8001     Loss of Echo     The tracking echo is missing for one or more records       S_OFFL_SIR_UOP_18_201511181180022_201511181100203_B001     Loss of Echo     The tracking echo is missing for one or more records       S_OFFL_SIR_UOP_18_201511181180022_201511181100203_B001     Loss of Echo     The tracking echo is missing for one or more records       S_OFFL_SIR_UOP_18_20151118119022_201511181100203_B001     Loss of Echo     The tracking echo is missing for one or more records       S_OFFL_SIR_UOP_18_20151118119022_201511181100203_B001     Loss of Echo     The tracking echo is missing for one or more records       S_OFFL_SIR_UOP_18_20151118119022_20151181190203_B001     Loss of Echo     The tracking echo is missing for one or more records       S_OFFL_SIR_UOP_18_20151185119922_201511181190203_B001     Loss of Echo     The tracking echo is missing for one or more records       S_OFFL_SIR_UOP_18_2015118511992     S     S     S     S       S_OFFL_SIR_UOP_18_2015118511992     S     S     S     S       S_OFFL_SIR_UOP_18_2015118511992     S     S     S     S     S       S_OFFL_SIR_UOP_2000     S     S     S     S     S     S       S_OFFL_SIR_UOP_2000     S     S     S     S     S     S       S_OFFL_SIR_UOP_2000     S     S     S     S     S     S     S       S_OFF			
SperFL_SIR_JOP_IB_20151118T181835_20151118T182233_B001         Loss of Echo         The tracking acto is missing for one or more records           SperFL_SIR_JOP_IB_20151118T195521_20151118T1202033_B001         Loss of Echo         The tracking acto is missing for one or more records           SperFL_SIR_JOP_IB_20151118T195521_20151118T1202033_B001         Loss of Echo         The tracking acto is missing for one or more records           SperFL_SIR_JOP_IB_20151118T195521_20151118T1202033_B001         Loss of Echo         The tracking acto is missing for one or more records           SperFL_SIR_JOP_IB_20151118T195521_20151118T1202033_B001         Loss of Echo         The tracking acto is missing for one or more records           SperFL_SIR_JOP_IB_20151118T195521_20151118T195521_2015118T195521_2015118T195525         SperFL_SIR_JOP_2015118T195521_2015118T195554_2015118T195554_2015118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195552_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195555_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195555_20151118T195555_20151118T195554_20151118T195554_20151118T195554_20151118T195554_20151118T195555_2015118T1955555_20151118T195555_20155118T1975555_20155118T1975555_20155118T1975		Loss of Echo	
S_OFF_LSIR_UP_1B_201511181780033_B001       Loss of Echo       The tracking ocho is missing for one or more records         S_OFF_LSIR_UP_1B_201511181780033_B001       Loss of Echo       The tracking ocho is missing for one or more records         S_OFF_LSIR_UP_2B_2015111817801621_2015111817020033_B001       Loss of Echo       The tracking ocho is missing for one or more records         S_OFF_LSIR_UP_2_2015111817034121_2015111817036544_B001       Loss of Echo       The tracking ocho is missing for one or more records	S_OFFL_SIR_IOP_1B_20151118T160242_20151118T161751_B001	Loss of Echo	The tracking echo is missing for one or more records
Solution of the solution of the solution of the solution of the solution of product solution of products solution of pr	S_OFFL_SIR_IOP_1B_20151118T181835_20151118T182538_B001	Loss of Echo	The tracking echo is missing for one or more records
A12 Product Format Check         ash poduct, 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), umber of products with errors:         0         212 Product Header Analysis         or 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.         umber of products with errors:       0         3.12 Auxiliary Data File Usage Check         ach 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.         Ind Model File Usage: This file is currently not included in all 2 products.         umber of products with errors:       0         4.12 Auxiliary Correction Error Check         ar all products, the auxiliary correction errors raised in the Level 2 products which are oxpected due to surface type. All common flags are summarised in the list below lowed by a table flightlighting any additional issues which may arise from this test.         as Bute Data Error: The error value is currently set of products over land and ase loe, but this is to be expected.         timetric Wind Speed Error: The error value is currently set of products over land and ase loe. Data File SI, NOR FES,	S_OFFL_SIR_IOP_1B_20151118T195921_20151118T200033_B001	Loss of Echo	The tracking echo is missing for one or more records
.1.12 Product Format Check         ach 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), unuber of products with errors:         0         .2.12 Product Header Analysis         or 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.         umber of products with errors:       0         .3.12 Auxiliary Data File Usage Check         .3.12 Auxiliary Data File Usage Check         .3.12 Auxiliary Data File Usage Check         .3.12 Auxiliary Correction Error Check         .0         .14 L2 Auxiliary Correction Error Check         .15 At L2 Auxiliary Correction Error Check         .16 At L2 Auxiliary Correction Error Check         .16 At L2 Auxiliary Correction Error raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below its is to be expected.         .11 Turnel, there are two common auxiliary corrections errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below its is to be expected.         .11 Error       Total Geocentric Ocean Tide (FES), Note File, Note Fi	c 1/		- alt
ach 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). turber of products with errors: 0  5.2 L2 Product Header Analysis or all products, safeies 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. turber of products with errors: 0  5.3 L2 Auxiliary Data File Usage Check ach 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. tind Model File Usage: This file is currently not included in all L2 products. turber of products with errors: 0  5.4 L2 Auxiliary Correction Error Check or all products, the 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 biowed by a table highlifting any additional issues which may arise from this test. eas State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected. turber of products with errors: 10  Froud 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 biowed by a table highlifting any achieved to products over land and sea ice, but this is to be expected. turber of products with errors: 11  Froud accommon 2.2  Froud Common Auxiliary Correction Common Tude (FES), Non Equilibrium Long Period Coean Tide (FES), Non Equilibrium Long Period Coean Tide height for on FES) and the Non-equilibrium Long Period Coean Tide height for on FES) and the Non-equilibrium Long Period Coean Tide height for on FES) and the Non-equilibrium Long Period Coean Tide height for on FES) and the Non-equilibrium Long Period Coean Tide height for on FES) and the Non-equilibrium Long Period Coean Tide height for on FES) and the Non-equilibrium L	5.1		con
Author of products with errors:         0           5.2 L2 Product Header Analysis         or all products, as eries 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.           tumber of products with errors:         0           5.3 L2 Auxiliary Data File Usage Check         and products is checked for missing Data Set Descriptors with respect to a pre-defermined baseline and also to check the validity of Auxiliary Data Files is correct.           Wind Model File Usage: This file is currently not included in all L2 products.         and products with errors:           0         0           5.4 L2 Auxiliary Correction Error Check         o           6.4 L2 Auxiliary dotter by products over land and sea ice, but this is to be expected.           biowed by stable highlighting any advitional issues which may artise from this test.           biowed by stable highlighting any advitional issues which may artise from this test.           biowed by stable highlighting any advitional issues which may artise from this test.           biowed by stable biological and and sea ice, but this is to be expected.           biowed by stable biological and the form or value is currently set for products over land and sea ice, but this is to be expected.           biowed by stable biological and the produces are form the test.           biowed by stable biological and train and sea ice, but this is to be expected.           biowed by stable biological and this	5.1 L2 Product Format Check		
Author of products with errors:         0           5.2 L2 Product Header Analysis         or all products, as eries 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.           tumber of products with errors:         0           5.3 L2 Auxiliary Data File Usage Check         and products is checked for missing Data Set Descriptors with respect to a pre-defermined baseline and also to check the validity of Auxiliary Data Files is correct.           Wind Model File Usage: This file is currently not included in all L2 products.         and products with errors:           0         0           5.4 L2 Auxiliary Correction Error Check         o           6.4 L2 Auxiliary dotter by products over land and sea ice, but this is to be expected.           biowed by stable highlighting any advitional issues which may artise from this test.           biowed by stable highlighting any advitional issues which may artise from this test.           biowed by stable highlighting any advitional issues which may artise from this test.           biowed by stable biological and and sea ice, but this is to be expected.           biowed by stable biological and the form or value is currently set for products over land and sea ice, but this is to be expected.           biowed by stable biological and the produces are form the test.           biowed by stable biological and train and sea ice, but this is to be expected.           biowed by stable biological and this	ach 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).
and 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.  Iumber of products with errors:  a b b b b b b b b b b b b b b b b b b			
ror 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. Iumber of products with errors:  0  5.3 L2 Auxiliary Data File Usage Check  Cach products is checked for missing Data Set Descriptors with respect to a pre-defermined baseline and also to check the validity of Auxiliary Data Files is correct. Wind Model File Usage: This file is currently not included in all L2 products. Iumber of products with errors:  0  5.4 L2 Auxiliary Correction Error Check  or all products, the 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 colored by a table highlighting any additional issues which may arise from this test.  Iumber of products with errors:  16  16  17 16 16 16 16 16 16 16 16 16 16 16 16 16			
under of products with errors:       0         S3 L2 Auxiliary Data File Usage Check         ack products 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.         inful Model File Usage: This file is currently not included in all L2 products.         umber of products with errors:       0         S.4 L2 Auxiliary Correction Error Check         or all products, the 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 plowed by a table highlighting any additional issues which may arise from this test.         ee State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.         umber of products with errors:       16         reduct       Test Failed       Description         for all Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height for on more records         S_OFFL_SIR_IOP_2_20151118T00128_20151118T003554_B001       Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height for on more records         S_OFFL_SIR_IOP_2_20151118T034121_20151118T034554_B001       Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height for on more records         S_OFFL_SIR_IOP_	5.2 L2 Product Header Analysis		
State       Description         Source       0		d SPH in order to identify any inconsistencies a	and/or errors raised by the ground-segment processing chain.
ach 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.  Ind Model File Usage: This file is currently not included in all L2 products.  Imber of products with errors:  O  Index of products with errors:  Index of products with errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below blowed by a table highlighting any additional issues which may arise from this test.  Interest is a error value is currently set for products over land and sea ice, but this is to be expected.  Interest is an error with the Total Geocentric Ocean Tide height (solutio FES) and the Non-equilibrium Long Period Ocean Tide height (solutio FES) and the Non-equilibrium Long Period Ocean Tide height for on more records  S_OFFL_SIR_IOP_2_20151118T034121_20151118T033625_B001  S_OFFL_SIR_IOP_2_20151118T034121_20151118T033624_B001  S_OFFL_SIR_IOP_2_20151118T034121_20151118T03564_B001  S_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001  S_OFFL_S	umber of products with errors: 0		
Ind Model File Usage: This file is currently not included in all L2 products.         umber of products with errors:       0         A L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).         urrently, there are two 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 itowed by a table highlighting any additional issues which may arise from this test.         eas State Blas Error: The error value is currently set for products over land and sea ice, but this is to be expected.         tittmetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         umber of products with errors:       16         roduct       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (FES), Non-FES) and the Non-equilibrium Long Period Ocean Tide height for on more records         s_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non-FES) and the Non-equilibrium Long Period Ocean Tide height for on more records         s_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001       Mean Sea Surface (1)       There is an error with the Tota	.3 L2 Auxiliary Data File Usage Check		
Number of products with errors:         0           5.4 L2 Auxiliary Correction Error Check           or all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).           turnerity, there are two 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 pollowed by a table highlighting any additional issues which may arise from this test.           sea State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.           tiltmetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.           turneter of products with errors:         16           roduct         Test Failed         Description           is _OFFL_SIR_IOP_2_20151118T001028_20151118T001951_8001         Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide           is _OFFL_SIR_IOP_2_20151118T033514_20151118T033625_8001         Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide height for on more records           is _OFFL_SIR_IOP_2_20151118T034121_20151118T035544_8001         Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide (FES), Not more records           is _OFFL_SIR_IOP_2_20151118T034121_20151118T035544_8001         Total Geocentric Ocean Tide (FES), Not Equilibrium Long Period Ocean Tide (FES),	ach product is checked for missing Data Set Descriptors with respect to a pr	e-determined baseline and also to check the va	alidity of Auxiliary Data Files is correct.
5.4 L2 Auxiliary Correction Error Check         or all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).         turnently, there are two 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 pollowed by a table highlighting any additional issues which may arise from this test.         the a State Blas Error: The error value is currently set for products over land and sea ice, but this is to be expected.         tiltmetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         turnetor of products with errors:       16         roduct       Test Failed       Description         iss_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide neight for on more records       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide height (solution to records         iss_OFFL_SIR_IOP_2_20151118T033614_20151118T033625_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide neight (solution to records         iss_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide neight (solution to records         iss_OFFL_SIR_IOP_2_20151118T034514_20151118T03554_B001       Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total	Vind Model File Usage: This file is currently not included in all L2 products.		
or all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).         urrently, there are two 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 bilowed by a table highlighting any additional issues which may arise from this test.         ea State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Itimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         umber of products with errors:       16         roduct       Test Failed       Description         s_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solution to period Ocean Tide         s_OFFL_SIR_IOP_2_20151118T03514_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height for one more records         s_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non There is an error with the Total Geocentric Ocean Tide height (solution to period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solution to period Ocean Tide         s_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non There is an error with the Total Geocentric Ocean Tide height	umber of products with errors: 0		
or all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).         urrently, there are two 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 blowed by a table highlighting any additional issues which may arise from this test.         ea State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Itimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         umber of products with errors:       16         roduct       Test Failed       Description         S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solutin Equilibrium Long Period Ocean Tide         S_OFFL_SIR_IOP_2_20151118T03514_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height for one more records         S_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non There is an error with the Total Geocentric Ocean Tide height (solutin FES) and the Non-equilibrium Long Period Ocean Tide height (solutin FES) and the Non-equilibrium Long Period Ocean Tide height (solutin FES) and the Non-equilibrium Long Period Ocean Tide height (solutin FES) and the Non-equilibrium Long Period Ocean Tide height (solutin FES) and the Non-equilibrium Long Period Ocean Ti	412 Auviliany Correction Error Check		
urrently, there are two 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 plowed by a table highlighting any additional issues which may arise from this test.         ea State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.         tittmetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         umber of products with errors:       16         roduct       Test Failed       Description         Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide height (solution and the hon-equilibrium Long Period Ocean Tide height for one more records       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide height (solution and the hon-equilibrium Long Period Ocean Tide height for one more records         s_OFFL_SIR_IOP_2_20151118T033514_20151118T0335544_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide height (solution and solution 2; FES) and the Non-equilibrium Long Period Ocean Tide height (solution and solution 2; FES) and the Non-equilibrium Long Period Ocean Tide height (solution and solution 2; FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide height (solution and solution 2; FES) and the Non-equilibrium L			
Dollowed by a table highlighting any additional issues which may arise from this test.         ea State Bias Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Itimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         umber of products with errors:       16         roduct       Test Failed       Description         Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide height (solution Science)       There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution Science)         s_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide height for one more records         s_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Mean Sea Surface (1)       There is an error with the Total Geocentric Ocean Tide height (solution I) for one or more records         s_OFFL_SIR_IOP_2_20151118T071205_201511			
Itimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Itimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.         Image: Trother is an error with the rotal Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution ScoFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001         S_OFFL_SIR_IOP_2_20151118T02358_20151118T102513_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution Period Ocean Tide height (solution Period Ocean Tide heigh	or all products, the auxiliary corrections within the Geophysical Group are ch	· · · · ·	
Jumber of products with errors:       16         roduct       Test Failed       Description         rs_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height for one more records         rs_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide         rs_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide         rs_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide         rs_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide         rs_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001       Mean Sea Surface (1)       There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide	or all products, the auxiliary corrections within the Geophysical Group are ch currently, there are two common auxiliary correction errors raised in the	e Level 2 products which are expected due t	o surface type. All common flags are summarised in the list below,
roduct         Test Failed         Description           S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001         Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide         There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non- equilibrium Long Period Ocean Tide         There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide           S_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001         Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide         There is an error with the Total Geocentric Ocean Tide height (solution more records           S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001         Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide         There is an error with the Total Geocentric Ocean Tide height (solution more records           S_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001         Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide         There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide           S_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001         Mean Sea Surface (1)         There is an error with the Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide (FES	or all products, the auxiliary corrections within the Geophysical Group are ch currently, there are two common auxiliary correction errors raised in the ollowed by a table highlighting any additional issues which may arise fr	e Level 2 products which are expected due t rom this test.	o surface type. All common flags are summarised in the list below,
S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide       There is an error with the Total Geocentric Ocean Tide height (solution to period Ocean Tide)         S_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide)       There is an error with the Total Geocentric Ocean Tide height (solution)         S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide)       There is an error with the Total Geocentric Ocean Tide height (solution)         S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide)       There is an error with the Total Geocentric Ocean Tide height (solution)         S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide)       There is an error with the Total Geocentric Ocean Tide height (solution)         S_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide)       There is an error with the Total Geocentric Ocean Tide)         S_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001       Mean Sea Surface (1)       There is an error with the MSS height (solution 1) for one or more records         S_OFFL_SIR_IOP_2_20151118T102358_20151118T102513_B001       Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide)       There is an error with the Total Geocentric Ocean Tide	or all products, the auxiliary corrections within the Geophysical Group are ch surrently, there are two common auxiliary correction errors raised in the ollowed by a table highlighting any additional issues which may arise fr ea State Bias Error: The error value is currently set for products over land a	e Level 2 products which are expected due t rom this test. and sea ice, but this is to be expected.	o surface type. All common flags are summarised in the list below,
S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001       Initial Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	or all products, the auxiliary corrections within the Geophysical Group are ch urrently, there are two common auxiliary correction errors raised in the ollowed by a table highlighting any additional issues which may arise fr ea State Bias Error: The error value is currently set for products over land a ltimetric Wind Speed Error: The error value is currently set for products over	e Level 2 products which are expected due t rom this test. and sea ice, but this is to be expected.	o surface type. All common flags are summarised in the list below,
S_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001       Initial Geodentific Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide         S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide         S_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide         S_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001       Mean Sea Surface (1)         S_OFFL_SIR_IOP_2_20151118T102358_20151118T102513_B001       Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	or all products, the auxiliary corrections within the Geophysical Group are churrently, there are two common auxiliary correction errors raised in the illowed by a table highlighting any additional issues which may arise frea State Bias Error: The error value is currently set for products over land a timetric Wind Speed Error: The error value is currently set for products over unber of products with errors: 16	e Level 2 products which are expected due to rom this test. and sea ice, but this is to be expected. ver land and sea ice, but this is to be expected.	
S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001       Initial Geocentric Ocean Tide (FES), Non-FES) and the Non-equilibrium Long Period Ocean Tide more records         S_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide         S_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001       Mean Sea Surface (1)       There is an error with the MSS height (solution 1) for one or more records         S_OFFL_SIR_IOP_2_20151118T102538_20151118T102513_B001       Total Geocentric Ocean Tide (FES), Non-FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non-FES) and the Non-equilibrium Long Period Ocean Tide (FES), Non-FES)	or all products, the auxiliary corrections within the Geophysical Group are churrently, there are two common auxiliary correction errors raised in the illowed by a table highlighting any additional issues which may arise frea State Bias Error: The error value is currently set for products over land a trimetric Wind Speed Error: The error value is currently set for products over umber of products with errors: 16	e Level 2 products which are expected due to rom this test. and sea ice, but this is to be expected. ver land and sea ice, but this is to be expected. Test Failed Total Geocentric Ocean Tide (FES), Nor	Description There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one of more records
S_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001       Total Geocentric Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide         S_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001       Total Geocentric Ocean Tide (FES), Non-GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide         S_OFFL_SIR_IOP_2_20151118T071205_20151118T073016_B001       Mean Sea Surface (1)       There is an error with the MSS height (solution 1) for one or more records         S_OFFL_SIR_IOP_2_20151118T102538_20151118T102513_B001       Total Geocentric Ocean Tide (FES), Non-FES) and the Non-equilibrium Long Period Ocean Tide	or all products, the auxiliary corrections within the Geophysical Group are ch urrently, there are two common auxiliary correction errors raised in the illowed by a table highlighting any additional issues which may arise fr ea State Bias Error: The error value is currently set for products over land a litimetric Wind Speed Error: The error value is currently set for products ov umber of products with errors: 16 roduct S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001	E Level 2 products which are expected due to rom this test.     and sea ice, but this is to be expected.     ver land and sea ice, but this is to be expected.     Test Failed     Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide     Total Geocentric Ocean Tide (FES), Nor	Description There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one c more records There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one c more records
S_OFFL_SIR_IOP_2_20151118T102358_20151118T102513_B001 Total Geocentric Ocean Tide (FES), Non-FES) and the Non-equilibrium Long Period Ocean Tide height (solution of the second to the s	or all products, the auxiliary corrections within the Geophysical Group are ch urrently, there are two common auxiliary correction errors raised in the illowed by a table highlighting any additional issues which may arise fr ea State Bias Error: The error value is currently set for products over land a litimetric Wind Speed Error: The error value is currently set for products over umber of products with errors: 16 roduct S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001 S_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001	and sea ice, but this is to be expected.         rer land and sea ice, but this is to be expected.         rer land and sea ice, but this is to be expected.         Test Failed         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide	Description           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
S_OFFL_SIR_IOP_2_20151118T102358_20151118T102513_B001	or all products, the auxiliary corrections within the Geophysical Group are ch urrently, there are two common auxiliary correction errors raised in the ollowed by a table highlighting any additional issues which may arise fr ea State Bias Error: The error value is currently set for products over land a litimetric Wind Speed Error: The error value is currently set for products ov umber of products with errors: 16 roduct S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001 S_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001 S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001	a Level 2 products which are expected due to rom this test.         and sea ice, but this is to be expected.         ver land and sea ice, but this is to be expected.         Test Failed         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide (FES), Nor Equilibrium Lon	Description           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution GOT and solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height (solution Precords)
	or all products, the auxiliary corrections within the Geophysical Group are ch urrently, there are two common auxiliary correction errors raised in the pollowed by a table highlighting any additional issues which may arise for ea State Bias Error: The error value is currently set for products over land a ltimetric Wind Speed Error: The error value is currently set for products over umber of products with errors: 16 roduct S_OFFL_SIR_IOP_2_20151118T001028_20151118T001951_B001 S_OFFL_SIR_IOP_2_20151118T033514_20151118T033625_B001 S_OFFL_SIR_IOP_2_20151118T034121_20151118T035544_B001 S_OFFL_SIR_IOP_2_20151118T044616_20151118T045911_B001	and sea ice, but this is to be expected.         rer land and sea ice, but this is to be expected.         rer land and sea ice, but this is to be expected.         Test Failed         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide         Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide (FES), Nor Equilibrium Long Period Ocean Tide	Description           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records           There is an error with the Total Geocentric Ocean Tide height (solution Cord a solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height (solution Tide height for one or more records           There is an error with the MSS height (solution 1) for one or more records

CS\_OFFL\_SIR\_IOP\_2\_\_20151118T104442\_20151118T104605\_B001 Mean Sea Surface (1) There is an error with the MSS height (solution 1) for one or more records

Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide FES) and the Non-equilibrium Long Period Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records CS\_OFFL\_SIR\_IOP\_2\_\_20151118T124411\_20151118T131912\_B001

CS_OFFL_SIR_IOP_220151118T144529_20151118T145706_B001	Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220151118T161952_20151118T162924_B001		There is an error with the MSS height (solution 1), the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220151118T163947_20151118T164135_B001	For the second s	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220151118T180410_20151118T180449_B001	Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220151118T183046_20151118T183254_B001	Fouilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220151118T194502_20151118T194619_B001	Total Geocentric Ocean Tide (FES)	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) for one or more records
CS_OFFL_SIR_IOP_220151118T195651_20151118T195849_B001	Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Total Geocentric Ocean Tide height (solution 2: FES) and the Non-equilibrium Long Period Ocean Tide height for one or more records
CS_OFFL_SIR_IOP_220151118T224116_20151118T224448_B001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records

### 5.5 L2 Measurement Confidence Data Check

CryoSat L2 data includes a measurement confidence flag (field 14) 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 Range Measurement Check

CryoSat L2 data includes an Ocean (field 25) and Ice (field 30) Range Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are two common status flags 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.

Ocean Range Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Range Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 32

0

### Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220151118T010034_20151118T010215_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T010222_20151118T010633_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T014825_20151118T014847_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T023549_20151118T024113_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T024114_20151118T024119_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T024126_20151118T024132_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T024132_20151118T024353_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T032703_20151118T032813_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T041515_20151118T042011_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T042017_20151118T042024_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T042025_20151118T042031_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T042049_20151118T042208_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T055445_20151118T055925_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T055925_20151118T055928_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T060003_20151118T060116_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T073456_20151118T073838_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T073900_20151118T074226_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T091257_20151118T091752_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T091759_20151118T092128_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T105255_20151118T105822_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T123217_20151118T123719_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T141431_20151118T141623_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T150832_20151118T151114_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T155326_20151118T155535_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T155625_20151118T160037_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T164731_20151118T164816_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T173121_20151118T173939_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T191015_20151118T191215_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T191259_20151118T191805_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T204939_20151118T205023_B001	Ice Range Averaging Status	The Ice Range Averaging Status Flag has been set for one or more records.

CS\_OFFL\_SIR\_IOP\_2\_\_20151118T205222\_20151118T205824\_B001 CS\_OFFL\_SIR\_IOP\_2\_\_20151118T223130\_20151118T223655\_B001

Ice Range Averaging Status Ice Range Averaging Status The Ice Range Averaging Status Flag has been set for one or more records The Ice Range Averaging Status Flag has been set for one or more records

### 5.7 L2 SWH and Backscatter Measurement Check

CryoSat L2 data includes a SWH Averaging Status flag (field 49) and an Ocean (field 55) and Ice (field 61) Backscatter Averaging Status flag for each measurement record. The bit value of this flag indicates any problems when set.

Currently, there are three common status flags 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.

SWH Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ocean Backscatter Averaging Status Flag: This flag is currently set for products over land and sea ice, but this is to be expected.

Ice Backscatter Averaging Status Flag: This flag is currently set for products over land, but this is to be expected. 25

Number of products with errors:

Product	Test Failed	Description
CS_OFFL_SIR_IOP_220151118T010034_20151118T010215_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T014825_20151118T014847_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T024126_20151118T024132_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T024132_20151118T024353_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T032703_20151118T032813_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T041515_20151118T042011_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T042049_20151118T042208_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T055445_20151118T055925_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T060003_20151118T060116_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T073456_20151118T073838_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T073900_20151118T074226_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T091257_20151118T091752_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T091759_20151118T092128_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T105255_20151118T105822_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T123217_20151118T123719_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T141431_20151118T141623_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T150832_20151118T151114_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T155326_20151118T155535_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T155625_20151118T160037_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T164731_20151118T164816_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T173121_20151118T173939_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T191259_20151118T191805_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T204939_20151118T205023_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T205222_20151118T205824_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.
CS_OFFL_SIR_IOP_220151118T223130_20151118T223655_B001	Ice Backscatter Averaging Status	The Ice Backscatter Averaging Status Flag has been set for one or more records.

### 5.8 L2 Ocean Retracking Quality Check

CryoSat L2 data includes an ocean retracking quality flag (field 19) 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 over land and sea ice, but this is to be expected. The number of products with this error flag set is given below. 158

Number of products with errors: