

YEAR 2024							
Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
JANUARY							
03/01/2024	x		o			Missing data due to RFI with BRO-8 Products impacted from 08:04:28 to 08:07:28 and from 08:19:28 to 08:25:28	RFI
04/01/2024		x		o		Impact of In-Plane Manœuvre on SYN products from 20240104 08:32:44 to 20240104 09:16:43	Manœuvre
04/01/2024	x			o		Impact of In-Plane Manœuvre on SYN products from 20240104 07:30:44 to 20240104 08:14:43	Manœuvre
11/01/2024		x			x	Data gap and Time gap in SY_2_SYN file name. Impacted data from 20240111 03:59:00 to 20240111 03:59:03. investigation ONGOING	Processing Issue
14/01/2024	x		o	o		Missing data due RFI with CGS-1, Products impacted from 14:57:24 to 15:00:24	RFI
14/01/2024		x	o	o		Missing data due to RFI with DOUBLESTAR, Products impacted from 11:08:24 to 11:11:24	RFI
17/01/2024		x				Impact of Out of Plane Manœuvre on SYN products from 20240117 07:54:44 to 20240117 10:19:35	Manœuvre
17/01/2024	x		o			Missing data from unknown sources - investigation ONGOING	Unknown
17/01/2024	x			o		Missing data from unknown sources - investigation ONGOING	Unknown
17/01/2024		x	o			Missing data due to RFI. Affected products ranging from 20240117 11:16:42 to 20240117 12:00:34	RFI
24/01/2024	x			o		Impact of In-Plane Manœuvre on SYN products from 20240124 07:11:00 to 20240124 09:35:49	Manœuvre
26/01/2024	x		o	o		Impact of OLCI moon Calibration on products from 20240126 01:15:33 to 20240126 01:24:17	Calibration
26/01/2024	x		o			Data gap due to KSAT local network Failure. Impacted products from 20240126 08:43:18 to 20240126 13:02:25	ACQ issue
26/01/2024	x		o			Missing 1 VGK covering 20240126 01:15:33 to 20240126 01:57:31 in all VG1 products from this day	Calibration
26/01/2024		x	o	o		Data Gaps and pointing errors due to KSAT local network Failure. Impacted prodcuts from 20240126 09:19:13 to 20240126 16:29:12	ACQ issue
31/01/2024		x		o		Impact of In-Plane Manœuvre on SYN products from 20240131 08:31:07 to 20240131 09:14:55	Manœuvre
FEBRUARY							
01/02/2024	x		o			Missing data due to RFI. Affected products ranging from 20240201 20:49:03 to 20240201 20:52:03	RFI
07/02/2024		x	o	o		Missing data due to RFI. Affected products ranging from 20240207 15:45:59 to 20240207 16:16:51	RFI
10/02/2024		x		o		Impact of Out-of-Plane Manœuvre on SYN products from 20240210 05:49:19 to 20240210 08:14:04	Manœuvre
12/02/2024	x		o			Missing data due to RFI. Affected products ranging from 20240212 05:35:42 to 20240207 06:19:28	RFI
14/02/2024	x			o		Impact of In-Plane Manœuvre on SYN products from 20240214 06:24:05 to 20240214 08:48:50	Manœuvre
18/02/2024		x	o			Missing data due to RFI. Affected products ranging from 20240218 07:21:55 to 20240218 08:05:42	RFI
19/02/2024		x	o	o		Missing data due to RFI with SAOCOM 1-B Products impacted from 22:18:44 to 22:21:44 and from 22:42:44 to 22:48:12	RFI
24/02/2024		x	o	o		Impact of OLCI moon Calibration on SYN products from 20240224 23:14:51 to 20240224 23:20:47	Calibration
25/02/2024		x		o		Impact of In-Plane Manœuvre on SYN products from 20240225 09:59:39 to 20240225 10:43:27	Manœuvre
25/02/2024	x			o		Impact of In-Plane Manœuvre on SYN products from 20240225 16:04:38 to 20240225 16:48:26	Manœuvre
28/02/2024	x			o		Missing data du to RFI with CSG-1 at timeframe 20:19:45. Impacted products from 20240228 18:46:36 to 20240228 19:30:25	RFI
MARCH							
02/03/2024		x	o	o		Missing data detected, root cause under investigation. SLSTR products impacted. RFI confirmed with Hawk-5A	RFI
07/03/2024	x			o		Impact of Out-of Plane Manœuvre on SYN products from 20240307 10:13:10 to 20240307 12:38:00	Manœuvre

14/03/2024		x	o	o		Missing data due to RFI with SKYMED 4 at 16:29:21 UTC causing uncorrectable frames. Affected products ranging from 20240314 14:54:58 to 20240314 15:38:54	RFI
20/03/2024		x		o		Impact of IP Manoeuvre #100 (S3B_SAT_UNA_2024_0008) on SYN products. impact lasting from 20240320 07:14:10 to 20240320 09:39:07	Manoeuvre
21/03/2024	x			o		Impact of in-plane Manoeuvre #101 (S3A_SAT_UNA_2024_0009) on SYN products. Impact lasting from 20240321 07:26:50 to 20240321 09:51:49.	Manoeuvre
22-24/03/2024	x	x	o	o		Large Power outage occurred at Svalbard station. attached file gathering impacted data. Many orbits impacted, some will be recovered. Impact lasting from 20240322 to 20240323, with data gap for S3A from 20240322 14:28:27 to 20240322 20:28:22 (5h) for S3B from 20240322 13:49:28 to 20240322 19:49:22 (5h)	CGS issues
24/03/2024		x	o	o		impact of OLCI S09 calibration which occurred between 09:06:27 to 09:07:37 UTC	OLCI Calibration
23-24/03/2024		x			o	Missing VGK in VG1 S3B_SY_2_VG1____20240324T000000_20240324T235959* products and S3B_SY_2_VG1____20240323T000000_20240323T235959*	CGS issues
25/03/2024		x		o		Impact of OLCI moon calibration (S3A_SAT_UNA_2024_0010) on SYN products. Issues detected so far from 20240325 17:28:29 to 20240325 17:35:16	Calibration
28/03/2024		x		o		Impact of Out-plane Manoeuvre #101 (S3B_SAT_UNA_2024_0010). Impact lasting from 20240328 07:05:39 to 20240328 09:30:41	Manoeuvre
29/03/2024		x		o		Impact of Collision Avoidance Manoeuvre #102 and #103 (S3B_SAT_UNA_2024_0011). Impact lasting from 20240329 05:23:35 to 20240329 09:04:34.	Manoeuvre
APRIL							
01/04/2024	x		o	o		Impact due to RFI with NUSAT-33 at 17:42:39. Products impacted from 16:15:59 up to 16:45:59.	RFI
03/04/2024	x			o		Impact of S3A_SAT_UNA_20240011 - In-Plane Manoeuvre #102. Products impacted from 2024-04-03T10:09:48 to 2024-04-03T12:34:54.	Manoeuvre
04/04/2024		x	o			Impact of unknow issue. Update: root cause RFI with S1A Products impacted from 2024-04-04 12:46:27 to 2024-04-04 12:49:27.	RFI
05/04/2024	x		o	o		Impact of unknown issue. Products impacted from 2024-04-05T05:57:19 to 2024-04-05T06:03:19	RFI
07/04/2024	x		o	o		Data gap detected due to S3A dump #42385 (07/04/2024) was received incomplete from SVL CADIP (only 6 files, 3 per channel) and wasn't retransferred. Same gap on all levels: 20240407 02:24:53 05:02:41 157 Update : data Gap recovered	PDGS issue - Circulation
09/04/2024	x		o	o		Missing scans due to RFI with NUSAT-23 ANNIE MAUNDER impacted data from 20240409 21:14:29 to 21:17:29. Ticket opened on CAMS.	RFI
11/04/2024		x	o	o		Missing scans due to RFI with Nusat-23 at 22:47:06 utc causing uncorrectable frames, Products impacted from 20240411 21:21:07 to 21:53:30.	RFI
14/04/2024	x		o			Missing scans due to unknown issue, Products impacted from 2024-04-14 20:47:35 to 20:50:35.	Unknown
17/04/2024		x		o		Missing scans due to Copernicus Sentinel-3B In-Plane Manoeuvre, SLSTR products degradation is expected for sensing time from 17/04/2024T07:55:39 to 17/04/2024T08:05:44 UTC; Products impacted from 06:44:44 to 09:09:57.	Manoeuvre
21/04/2024	x		o	o		Missing data due to RFI with SWOT at 15:42:35. Impacted products from 20240421 14:03:28 to 20240421 14:47:45.	RFI
23/04/2024		x	o			Missing data due to RFI with GEISAT at 15:55:47. Impacted products ranging from 20240423 14:12:56 to 20240423 14:57:13	RFI
24/04/2024		x	o	o		Impact of OLCI moon calibration . impacted products ranging from 20240424 12:05:40 to 20240424 12:49:58	Moon calibration

[illegible]

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	S3A	S3B	OLCI	SLSTR	IPF SYN		
JANUARY							
07/01/2023	x		o	o		Impact of OLCI moon calibration impacting L2 products from 20230107 07:15:42 to 20230107 07:57:40 with pointing errors and Data gap from 20230107 07:57:40 to 20230107 10:37:40 (160')	Calibration
07/01/2023	x					Missing NAVATT flag raised, linked to 07/01/2023 moon calibration. Impacted products from 20230107 08:56:41 to 20230107 09:40:38	Calibration
10/01/2023	x		o	o		Missing data due to RFI impacting products from 20230110 11:00:00 to 20230110 11:43:55	RFI
10/01/2023	x		o	o		Missing data due to RFI impacting products from 20230110 00:54:06 to 20230110 01:38:01	RFI
10/01/2023	x					Missing navatt flag raised on 10/10/2023 investigation ongoing	unknown
12/01/2023		x		o		Impact of in-plane manoeuvre #068 on SYN products from 20230112 07:47:23 to 20230112 08:31:18	Manoeuvre
17/01/2023		x	o			Impact of OLCI S09 Calibration creating data gap on all SYN product type from 20230117 09:06:08 to 09:08:08 (120")	Calibration
18/01/2023	x			o		Impact of in-plane manoeuvre #075 on SYN products from 20230118 07:30:07 to 20230118 08:13:58	Manoeuvre
23/01/2023		x		o		Impact of out-of-plane manoeuvre #069 on SYN products from 20230123 06:23:11 to 20230123 08:45:28	Manoeuvre
25/01/2023		x	o			Missing data due to RFI impacting products from 20230125 19:28:44 to 20230125 19:39:50	RFI
26/01/2023		x	o			Missing data due to RFI impacting products from 20230126 15:07:48 to 20230126 15:51:36	RFI
27/01/2023	x		o	o		Missing data due to RFI impacting products from 20230127 00:23:44 to 20230127 00:50:44	RFI
27/01/2023		x	o	o		Missing data due to RFI impacting products from 20230127 19:44:29 to 20230127 20:28:17	RFI
28/01/2023	x		o			Missing data due to RFI impacting products from 20230128 14:54:28 to 20230128 15:38:16	RFI
29/01/2023	x		o			Missing data due to RFI impacting products from 20230129 18:02:14 to 20230129 18:33:58	RFI
29/01/2023	x			o		Missing data due to RFI impacting products from 20230129 22:56:11 to 20230129 23:36:54	RFI
FEBRUARY							
06/02/2023		x	o			Impact of OLCI moon calibration impacting L2 products from 20230206 05:15:54 to 20230206 05:59:40 with pointing errors.	Calibration
06/02/2023	x					NON_NOMINAL_INPUT/INPUT GAP flag raised on SYN level 2 with no apparent impact on products. Impacted products from 20230206 14:19:57 to 20230206 15:03:43 .Investigation ongoing	unknown
15/02/2023		x	o	o		Missing data from unknow root cause, investigation ongoing. Impacted data from 20230215 21:31:02 to 20230215 22:14:48	unknown
16/02/2023		x	o	o		Missing data due to RFI impacting products from 20230216 17:44:43 to 20230216 18:26:33	RFI
16/02/2023		x		o		Impact of in plane manoeuvre on SYN products from 20230216 10:58:51 to 20230216 11:42:37	Manoeuvre
16/02/2023	x			o		Impact of in plane manoeuvre on SYN products from 20230216 06:35:02 to 20230216 07:18:48	Manoeuvre
18/02/2023		x	o			Missing data due to RFI impacting products from 20230218 06:46:26 to 20230218 07:28:05	RFI
23/02/2023		x	o			Missing Navatt flag raised impacting product from 20230223 06:13:47 to 20230223 06:57:34	unknown
23/02/2023	x		o			Missing data due to RFI impacting products from 20230223 20:35:32 to 20230223 21:04:30	RFI
25-26/02/2023		x		o		Missing data due to SLSTR on-board anomaly impacting products from 20230225 17:08:05 to 20230226 20:47:28 Data gap also impacting all product types from 20230225 07:45:57 to 20230225 17:08:01	on-board Anomaly
28/02/2023		x	o			Missing Navatt flag raised with no impact on products. Present on products from 20230228 20:52:02 to 20230228 21:35:21	unknown
MARCH							

S3 SYN Anomalies and Events

01/03/2023	x			o		Impact of out-of-plane manoeuvre on SYN products from 20230301 07:36:59 to 20230301 10:01:47	Manoeuvre
06/03/2023		x	o			Missing data impacting products from 20230306 13:11:13 to 20230306 13:55:04. root cause under investigation	unknown
07/03/2023		x		o		Impact of in-plane manoeuvre #071 on SYN products from 20230307 07:41:58 to 20230307 08:25:49	Manoeuvre
13/03/2023		x		o		Impact of In-Plane manoeuvre #072 on SYN products from 20230313 15:09:59 to 20230313 19:15:51	Manoeuvre
14/03/2023	x			o		Impact of in-Plane manoeuvre #078 on SYN products from 20230314 08:38:53 to 20230314 11:03:47	Manoeuvre
14/03/2023		x	o	o		Missing data due to RFI impacting products from 20230314 21:32:53 to 20230314 22:11:31 with a data gap from 21:42:52 to 21:44:13	RFI
15/03/2023	x					Several data gaps from unknown sources impacting SY_2_SYN product type from : 20230315 20230315 08:17:56 08:20:56 180" 20230315 20230315 08:47:56 09:53:34 65' 20230315 20230315 10:01:55 10:04:55 180" 20230315 20230315 10:22:55 11:34:32 71' - Investigation Ongoing -	PDGS Processing issue
22/03/2023		x		o		Impact of in-Plane manoeuvre #074 on SYN products from 20230322 07:51:14 to 20230322 10:16:12	Manoeuvre
23/03/2023		x	o	o		Missing data due to RFI impacting products from 20230323 09:12:18 to 20230323 09:49:55	RFI
26/06/2023	x		o			Missing data due to RFI impacting products from 20230326 20:31:53 to 20230326 20:57:05	RFI
APRIL							
03/04/2023	x		o			Data gaps due to RFI impacting products from 20230403 06:38:52 to 20230403 06:39:39 (47")	RFI
05/04/2023	x		o			Missing data due to RFI impacting products from 20230405 05:44:10 to 20230405 26:28:17	RFI
05/04/2023		x		o		Impact of out-of-plane manoeuvre #075 on SYN products from 20230405 10:07:52 to 20230405 10:51:59	Manoeuvre
05/04/2023	x			o		Impact of in-plane manoeuvre #079 on SYN products from 20230405 07:25:08 to 20230405 08:09:16	Manoeuvre
06/04/2023		x		o		Missing data due to RFI impacting products from 20230406 13:03:32 to 20230406 13:47:40	RFI
06/04/2023		x		o		Missing data due to RFI impacting products from 20230406 18:06:28 to 20230406 18:50:37	RFI
06/04/2023		x		o		Impact of OLCI moon calibration on products from 20230406 16:25:29 to 20230406 17:09:38	Calibration
07/04/2023	x			o		Missing data due to RFI impacting products from 20230407 13:16:28 to 20230407 14:00:37	RFI
10-11/04/2023	x		o	o		Missing data due to RFI impacting products from 20230410 23:56:05 to 20230411 00:28:38	RFI
19/04/2023	x		o	o		Missing data due to RFI impacting products from 20230419 14:44:56 to 20230419 15:29:11	RFI
19/04/2023		x	o			Missing data due to RFI impacting products from 20230419 09:02:46 to 20230419 09:47:01	RFI
20/04/2023		x		o		Impact of in-plane manoeuvre #076 on SYN products from 20230420 08:36:29 to 20230420 11:01:44	Manoeuvre
25/04/2023	x		o			Impact of OLCI S09 calibration on SYN products from 20230425 08:45:16 to 20230425 09:29:34	Calibration
26/04/2023	x			o		Impact of In-Plane manoeuvre on SYN products from 20230426 06:38:00 to 20230426 09:03:17	Manoeuvre
MAY							
02/05/2023		x		o		Missing data, also present on SLSTR input, root cause unknown, investigation ongoing	RFI
05/05/2023		x	o			Data gap impacting products from 20230505 09:06:22 to 20230505 09:07:31 (69") and invalid pixels due to OLCI S09 calibration impacting products from 20230505 09:07:31 to 20230505 09:30:42	Calibration
06/05/2023	x		o			Impact of OLCI moon calibration impacting products from 20230506 05:37:17 to 20230506 06:21:39 and data gap also detected from 20230506 02:59:41 to 20230506 05:37:17 (157")	Calibration
06/05/2023	x		o	o		Missing NAVATT, pointing errors and no SLO/SLN flag raised. Impacting products from 20230506 03:56:18 to 20230506 04:40:40 ; Investigation ONGOING	PDGS Processing issue
08/05/2023	x		o			Missing data due to RFI impacting products from 20230508 09:47:42 to 20230508 10:32:04	RFI
09/05/2023		x	o			Missing data due to RFI impacting products from 20230509 17:07:11 to 20230509 17:51:34	RFI
10/05/2023		x	o	o		Missing data at OLCI/SLSTR level impacting SYN - Investigation on root cause ongoing	RFI
11/05/2023		x		o		Impact of In-Plane manoeuvre on SYN products from 20230511 07:49:45 to 20230511 10:15:07	Manoeuvre

12/05/2023		x	o	o		Missing data due to RFI impacting products from 20230512 14:07:26 to 20230512 14:51:49	RFi
16/05/2023	x			o		Impact of In-Plane manoeuvre on SYN products from 20230516 06:17:37 to 20230516 08:43:00	Manoeuvre
16/05/2023	x		o			Missing data due to RFI impacting products from 20230516 09:39:35 to 20230516 10:23:59	RFI
29/05/2023		x	o			Missing data due to RFI with the sun impacting products from 20230529 09:02:01 to 20230529 09:05:01	RFI
JUNE							
01/06/2023		x	o			Missing data due to RFI impacting products from 20230601 14:24:24 to 20230601 14:32:02 with data gap from 20230601 14:27:08 to 14:28:13 (65")	RFI
02/06/2023	x		o			Missing data due to RFI impacting products from 20230602 19:03:25 to 20230602 19:47:51	RFI
04/06/2023		x		o		Impact of OLCI moon calibration impacting products from 20230604 12:28:56 to 20230604 13:13:22	Calibration
06/06/2023		x		o		Impact of In-Plane manoeuvre on SYN products; full impact yet to be analysed (all products not yet analysed)	Manoeuvre
07/06/2023		x	o			Missing data due to RFI impacting products from 20230607 07:48:19 to 20230607 08:32:45	RFI
13/06/2023		x	o	o		Missing data due to RFI impacting products from 20230613 00:08:08 to 20230613 00:52:34	RFI
14/06/2023	x			o		Impact of In-Plane manoeuvre on SYN products from 20230614 07:04:53 to 20230614 07:49:18	Manoeuvre
14/06/2023	x		o			Missing data due to RFI impacting products from 20230614 15:29:48 to 20230614 16:14:14	RFI
17/06/2023	x	x	o	o		Impact of ground segment anomaly on S3A and S3B SYN products from 20230617 02:25:54 to 20230617 03:08:45 (S3A) from 20230617 03:28:51 to 20230617 05:51:43 (S3B) with data also detected on S3B from 20230617 20230617 03:27:33 03:28:51 78"	PDGS circulation issue
22/06/2023	x		o	o		Missing data due to RFI impacting products from 20230622 00:13:23 to 20230622 00:57:47	RFI
29/06/2023		x		o		Impact of In-Plane manoeuvre #079 on SYN products impacting products from 20230629 06:37:02 to 20230629 09:02:25	Manoeuvre
JULY							
02/07/2023	x		o	o		Missing data due to RFI impacting products from 20230702 09:19:30 to 20230702 11:44:52	RFI
05/07/2023	x			o		Impact of In-Plane manoeuvre #083 on SYN products impacting products from 20230705 06:20:01 to 20230705 08:45:23	Manoeuvre
17/07/2023		x		o		Missing data due to RFI impacting products from 20230717 00:27:20 to 20230717 01:11:40	RFI
17/07/2023		x	o	o		Missing data due to RFI impacting products from 20230717 15:36:15 to 20230717 16:20:34	RFI
22/07/2023		x	o	o		Missing data due to unknown root cause, investigation ongoing. Product affected from 20230722 15:06:35 to 20230722 15:50:54	Unkown
23/07/2023	x		o			Missing data due to RFI affecting product from 20230723 202221 to 20230723 21:06:39	RFI
25/07/2023	x		o	o		Missing data due to PUG/PB 3.23 error : affected products ranging from 20230725 11:05:09 to 20230725 11:49:26	PDGS Processing issue
26/07/2023		x		o		Missing data due to RFI. Affected products ranging from 20230726 08:19:07 to 20230726 09:03:25	RFI
26/07/2023		x		o		Missing data due to RFI. Affected products ranging from 20230726 16:44:04 to 20230726 17:28:22	RFI
27/07/2023		x		o		Impact of In-Plane manoeuvre #080 on SYN products impacting products from 20230727 06:12:00 to 20230727 08:37:17	Manoeuvre
27/07/2023	x			o		Impact of In-Plane manoeuvre #084 on SYN products impacting products from 20230727 06:50:55 to 20230727 09:16:12	Manoeuvre
27/07/2023	x		o			Missing data due to RFI. Affected products ranging from 20230727 11:53:53 to 20230727 12:38:11	RFI
30/07/2023	x			o		Impact of In-Plane manoeuvre #085 on SYN products impacting products from 20230730 13:57:32 to 20230730 18:03:48	Manoeuvre
AUGUST							
03/08/2023		x	o			Missing data due to RFI. Affected products ranging from 20230803 23:21:10 to 20230804 00:05:26	RFI
04/08/2023		x		o		Missing data due to RFI. Affected products ranging from 20230804 02:43:09 to 20230804 03:27:25	RFI
05/08/2023	x					Missing data due to RFI. Affected products ranging from 20230805 23:07:52 to 20230805 23:52:07	RFI
06/08/2023		x	o			Missing data due to RFI. Affected products ranging from 20230806 00:09:58 to 20230806 00:54:13; Data gap also detected as follows: SY_1_MISR SY_2_VGP SY_2_AOD: 20230806 00:25:47 to 20230806 00:26:14 (27") SY_2_SYN : 20230806 00:25:47 to 20230806 00:27:22 (95"	RFI

06-08/08/2023	x			o		impact of on-board anomaly followed by SLSTR decontamination on SYN products from 20230806 12:35:48 to 20230808 19:11:50; Data gap also present From 20230806 20:04:02 to 20230807 10:28:43 (14h)	on-board Anomaly
07/08/2023		x	o			Missing data due to RFI. Affected products ranging from 20230807 21:36:47 to 20230807 22:21:02	RFI
10/08/2023		x	o			Missing data due to issue at ACQ level. Affected products ranging from 20230810 20:18:30 to 20230810 21:02:45	ACQ issue
10/08/2023	x		o			Missing data due to RFI. Affected products ranging from 20230810 10:51:25 to 20230810 11:35:39	RFI
10/08/2023		x		o		Impact of collision avoidance manoeuvre on SYN products impacting products from 20230810 15:15:31 to 20230810 15:59:46	Manoeuvre
10/08/2023		x	o			Missing data due to issue at ACQ level. Affected products ranging from 20230810 16:56:31 to 20230810 17:40:46	ACQ issue
11/08/2023		x	o			Missing data due to RFI. Affected products ranging from 20230811 18:11:25 to 20230811 18:55:40	RFI
11/08/2023		x	o			Missing data due to issue at ACQ level. Affected products ranging from 20230811 11:27:27 to 20230811 12:11:41	ACQ issue
11/08/2023	x		o			Impact of OLCI S09 calibration creating Data gap from 20230811 07:47:34 to 20230811 10:25:19 (157')	Calibration
12/08/2023	x		o			Missing data due to RFI. Affected products ranging from 20230812 11:40:13 to 20230812 12:24:27	RFI
12/08/2023	x			o		Missing data due to RFI. Affected products ranging from 20230812 15:02:12 to 20230812 15:46:26	RFI
16/08/2023		x		o		Impact of manoeuvre In-Plane Manoeuvre #082	Manoeuvre
16-17/08/2023		x		o		Missing data due to SLSTR CDE power cycle 20230816 12:41:20 to 20230817 02:49:14	On-board maintenance
17/08/2023	x			o		Impact of out-of-plane manoeuvre on SYN products from 20230817 06:07:47 to 20230817 08:33:00	Manoeuvre
20/08/2023		x	o			Missing data due to RFI. Affected products ranging from 20230820T15:57:41to 20230820 16:41:54	RFI
21/08/2023		x		o		Impact of OLCI S09 calibration creating Data gap from 20230821 09:06:30 to 20230821 09:07:38 (68")	Calibration
22/08/2023		x	o	o		Missing data due RFI affecting products from 20230822 10:02:32 to 20230822 10:46:45	RFI
23-24/08/2023		x			o	Data gap due to S3B_SY2 processing failures Affected time from 20230823 15:23:40 to 20230824 05:48:24 (14h)	PDGS-Processing issue
26/08/2023		x	o	o		Missing data due to RFI impacting products from 20230826 13:21:13 to 20230826 14:05:26	RFI
30/08/2023		x	o			Missing data due to RFI. Affected products ranging from 20230830 16:39:54 to 20230830 17:23:55	RFI
31/08/2023		x		o		Impact of In-Plane manoeuvre #083 on SYN products impacting products from 20230831 06:07:51 to 20230831 08:33:04	Manoeuvre
31/08/2023	x			o		Impact of In-Plane manoeuvre #088 on SYN products impacting products from 20230831 06:46:45 to 20230831 09:11:57	Manoeuvre
31/08/2023		x		o		Impact of OLCI moon calibration from 20230831 09:29:51 to 20230831 10:14:04	Calibration
SEPTEMBER							
02/09/2023	x		o	o		Missing data due to RFI. Affected products ranging from 20230902 12:38:37 to 20230902 13:22:49	RFI
03/09/2023	x				o	Data gap due to S3B_SY2 processing failures Affected time from 20230903 02:50:47 to 20230903 17:15:33 14h and from 20230903 17:59:45 to 20230903 20:37:32 157'	PDGS-Processing issue
05/09/2023	x		o			Missing data due to RFI. Affected products ranging from 20230905 11:43:37 to 20230905 11:46:37	RFI
06/09/2023	x		o	o		Missing data due to RFI. Affected products ranging from 20230906 16:05:24 to 20230906 16:38:24	RFI
19/09/2023	x		o	o		Missing data due to RFI. Affected products ranging from 20230919 18:53:00 to 20230919 19:17:00	RFI
20/09/2023		x		o		Impact of In-Plan manoeuvre #088 on SYN products impacting products from 20230920 07:32:32 to 20230920 09:57:46	Manoeuvre
24/09/2023		x	o			Missing data due to RFI. Affected products ranging from 20230924 19:16:17 to 20230924 19:19:05	RFI
26/09/2023	x			o		Impact of BB crossover test with possible impact from 26/09/2023 07:18:00 to 28/09/2023 03:30:00 UTC. Detected Impacted products from 20230926 07:16:10 to 20230926 08:00:24.	SLSTR Calibration
27/09/2023	x			o		Impact of In-Plane manoeuvre #089 on SYN products from 20230927 06:50:06 to 20230927 09:15:20	Manoeuvre
28/09/2023		x		o		Impact of In-Plane manoeuvre #085 on SYN products from 20230928 07:26:05 to 20230928 09:51:19	Manoeuvre
29/09/2023	x		o			Missing data due to RFI. Affected products ranging from 20230929 20:07:08 to 20230929 20:10:08	RFI
29/09/2023	x		o			Impact of OLCI moon calibration on SYN products from 20230929 19:25:58 to 20230929 20:10:12	Calibration
30/09/2023		x			o	Data gap due to unknown reasons. Investigation ongoing. Gap from 20230930 18:40:58 to 20230930 18:41:01 (3")	PDGS issue, PUG
OCTOBER							
04/10/2023		x		o		Impact of BB crossover test with possible impact from 04/10/2023T08:11:00 to 06/10/2023T07:42:00 UTC. Detected Impacted products from 20231004 08:11:45 to 20231004 08:13:21.	SLSTR Calibration

S3 SYN Anomalies and Events

06/10/2023	x		o	o	Missing data due to RFI. Affected products ranging from 20231006 21:33:50 to 20231006 21:54:50	RFI
08/10/2023		x		o	Missing data due to RFI. Affected products ranging from 20231008 13:39:35 to 20231008 13:42:35	RFI
10/10/2023		x		o	Missing data due to RFI. Affected products ranging from 20231010 21:21:09 to 20231010 21:24:09	RFI
11/10/2023	x		o	o	Missing data due to RFI. Affected products ranging from 20231011 20:57:13 to 20231011 21:41:29	RFI
11/10/2023	x				Data Gap due to S3A PRIP down between 2023-10-13 00:00 and 2023-10-13 9:50. SY_1_MISR : 20231011 06:32:32 14:13:14 7h SY_2_SYN VGP VGK : 20231011 03:10:32 12:32:15 9h SY_2_AOD : 20231011 06:32:32 14:13:14 7h Recovery expected	PDGS circulation issue
13/10/2023		x		o	Impact of In-Plane manœuvre #086 on SYN products from 20231013 07:39:10 to 20231013 10:04:26	Manœuvre
16/10/2023	x			o	Impact of In-Plane manœuvre #090 on SYN products from 20231016 08:40:54 to 20231016 09:25:10	Manœuvre
29/10/2023	x		o		Missing data due to RFI. Affected products ranging from 20231029 14:48:57 to 20231029 15:33:14	RFI
29/10/2023		x	o		Impact of OLCI moon calibration on SYN products from 20231029 07:26:04 to 20231029 08:10:21	OLCI Calibration
NOVEMBER						
01/11/2023		x		o	Impact of In-Plane manœuvre #087 on SYN products from 20231101 09:29:48 to 20231101 10:14:05	Manœuvre
02/11/2023	x				Missing data due to RFI detected on SYN products from 20231102 14:45:36 to 20231102 15:29:53 and linked to missing OLCI input.	RFI
03/11/2023		x			Impact of In-Plane manœuvre #088 and #089 on SYN products from 20231103 20:24:36 to 20231103 22:49:53	Manœuvre
13/11/2023					Missing data due to RFI. Affected products ranging from 20231113 06:36:34 to 20231113 07:20:51	RFI
16/11/2023		x			Missing data due to RFI. Affected products ranging from 20231116 06:20:23 to 20231116 07:04:40	RFI
16/11/2023		x			Missing data due to RFI. Affected products ranging from 20231116 06:20:23 to 20231116 07:04:40	RFI
17/11/2023		x			Impact of Collision avoidance manœuvre #040 on SYN products from 20231117 07:35:17 to 20231117 08:19:33	Manœuvre
21/11/2023	x		o		Impact of On-Board anomaly on OLCI sensor on SYN products from 20231121 13:28:20 to 20231121 20:41:55	on-board Anomaly
21/11/2023		x		o	Missing data, root cause unclear, investigation ongoing. Impacted data from 20231121 16:13:51 to 20231121 16:39:57	CGS issue
21/11/2023		x	o		Missing data, root cause unclear, investigation ongoing. Impacted data from 20231121 15:56:49 to 20231121 16:11:31 data gap also detected from 20231121 16:11:31 to 20231121 16:14:28 177"	CGS issue
22/11/2023		x	o	o	Data gaps detected from 20231122 09:04:47 to 20231122 09:07:20 (153"). Probable cause is TLE provision failure, issue under investigation	CGS issue
27/11/2023	x		o	o	Missing data due to RFI. Affected products ranging from 20231127 05:34:00 to 20231127 06:18:14	RFI
27/11/2023	x		o		Impact of OLCI moon calibration on SYN products from 20231127 20:42:55 to 20231127 21:27:09	OLCI Calibration
27/11/2023	x		o		Impact of OLCI S09 calibration on SYN data from 20231127 09:03:57 to 20231127 09:07:57	OLCI Calibration
28/11/2023	x				Impact of Out-of-Plane manœuvre #093 on SYN products from 20231128 10:10:50 to 20231128 12:36:03	Manœuvre
30/11/2023	x			o	Impact of In-Plane manœuvre #094 on SYN products from 20231130 19:24:32 to 20231130 20:08:45	Manœuvre
DECEMBER						
01/12/2023	x			o	Missing data due to RFI. Affected products ranging from 20231201 12:14:27 to 20231201 12:58:40	RFI
03/12/2023	x		o	o	Missing data due to RFI. Affected products ranging from 20231203 06:24:09 to 20231203 07:03:26	RFI
07/12/2023		x	o		Impact of OLCI S09 calibration on SYN data from 20231207 08:58:45 to 20231207 09:42:56 data gap also present from 20231207 09:06:28 to 20231207 09:07:37 (69")	OLCI Calibration
08/12/2023		x	o		Missing data due to RFI. Affected products ranging from 20231208 20:19:32 to 20231208 21:03:43	RFI
10/12/2023	x			o	Impact of In-Plane manœuvre #095 on SYN products from 20231210 10:00:12 to 20231210 10:44:22	Manœuvre
15/12/2023	x		o	o	Missing data due to RFI. Affected products ranging from 20231215 16:14:25 to 20231215 16:58:33	RFI
18/12/2023		x	o		Missing data due to RFI. Affected products ranging from 20231218 12:36:01 to 20231218 13:20:08	RFI
19/12/2023	x		o		missing scans due to RFI	RFI
22/12/2023		x	o	o	Missing data due to RFI. Affected products ranging from 20231222 12:48:44 to 20231222 12:51:44	RFI
22/12/2023		x	o	o	Missing scans due to S3B PS processing issue. Affected products ranging from 20231222 16:01:42 to 20231222 16:37:42	PDGS processing, circulation

27/12/2023		x	o	o		Impact of OLCI moon calibration on SYN products from 20231227 08:40:24 to 20231227 09:24:27	Calibration
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SYN Anomalies and Events

YEAR 2022							
Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
JANUARY							
06/01/2022	x			o		SYN products from 23:54:24 (06/01/2022) to 02:19:21 (07/01/2022)	Manœuvre
07/01/2022	x					Products from 01:35:24 (07/01/2022) to 00:12:08 (08/01/2022)	Manœuvre
12/01/2022		x	o			Products from 07:29:39 to 07:32:39 due to RFI	RFI
12/01/2022		x				Products from 07:09:48 to 07:53:42 and from 08:50:47 to 09:34:41 due to manœuvre but not in range of manœuvre	Manœuvre
18/01/2022	x		o			Data gap have been detected and linked to OLCI moon calibration from the 18/01/2022	Calibration, Gap
19/01/2022	x			o		Products from 06:26:34 to 07:10:26	Manœuvre
24/01/2022	x		o			Products from 17:43:11 to 18:27:00	RFI
26/01/2022	x		o			Products from 05:03:47 to 05:47:36	RFI
FEBRUARY							
02/02/2022		x		o		Products from 06:23:19 to 07:07:06 and from 08:04:18 to 08:48:05 due to manœuvre but not in range of manœuvre	Manœuvre
07/02/2022		x	o			Missing data have been detected and linked to RFI with Saocom 1-B at 02:20:17 UTC.	RFI
15/02/2022		x	o	o		Missing data have been detected and linked to RFI with Terra at 00:06:21 UTC	RFI
16/02/2022		x	o			Data gap linked to OLCI moon calibration from the 16/02/2022: MISR NT / SYN NT / VGP NT / AOD NT : from 20220216 21:10:51 to 20220217 01:30:01	Calibration, Gap
17/02/2022	x		o			Data gaps linked to OLCI S09 Calibration from the 17/02/2022: MISR ST / SYN ST / VGP ST : from 20220217 09:04:24 to 20220217 09:05:32 MISR NT / SYN NT / VGP NT / AOD NT : from 20220217 09:04:24 to 20220217 09:05:32	Calibration, Gap
23/02/2022	x			o		Products from 07:56:31 to 08:40:18 due to manœuvre but not in range of manœuvre	Manoeuvre
24/02/2022		x	o			Missing data (OLC) from 10:12:45 to 10:31:20. No RFI on CAMS.	Missing data



SYN Anomalies and Events

YEAR 2021							
Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
JANUARY							
13/01/2021		x		o		S3B Manoeuvre affecting products from 07:47:04 to 11:52:55	Manœuvre
19/01/2021		x	o	o		RFI affecting PDUs from 00:08:55 and 00:11:55	RFI, missing data
20/01/2021	x			o		Missing data affecting PDUs from 17:09:41 to 17:53:31	PDGS, missing data
21/01/2021	x				o	Missing data in OLCI Cam1 affecting PDUs from 06:57:57 to 07:03:5	PDGS, missing data
23/01/2021		x	o			RFI affecting PDU with start 20:56:00	RFI, missing data
25/01/2021	x		o	o		RFI affecting PDUs from 01:36:15 and 01:42:15	RFI, missing data
25/01/2021		x	o			RFI affecting PDU with start 11:14:41	RFI, missing data
27/01/2021	x			o		Manoeuvre affecting products from 07:21:58 to 09:46:45	Manœuvre
FEBRUARY							
03/02/2021		x		o		Manoeuvre affecting products from 07:00:30 to 11:06:13	Manœuvre
11/02/2021	x			o		Gap originating degraded with missing NAVATT from 15:56:35 to 18:21:19	Gap, Svalbard
14/02/2021		x	o			Missing Scans in OLCI BAND due to SOR commanding in PDU with start 07:19:01	missing data, Onboard maintenance
16/02/2021	x		o			RFI affecting PDU with start 10:52:52	RFI, missing data
17/02/2021	x		o	o		RFI affecting PDUs from 09:56:50 and 10:13:56	RFI, missing data
19/02/2021	x		o			RFI affecting PDU with start 21:14:28	RFI, missing data
21/02/2021	x		o			RFI affecting PDU with start 00:01:16	RFI, missing data
24/02/2021		x			o	Circulation issue affecting PDU with start 09:56:10	PDGS, missing data
28/02/2021	x		o			RFI affecting PDU with start 10:52:52	RFI, missing data
MARCH							
01/03/2021	x		o			RFI affecting PDU with start 05:11:43	RFI, missing data
05/03/2021	x		o			Gap due to OLCI VAM anomaly from 00:17:48 to 16:23:44	Gap, Onboard Anomaly
07/03/2021	x		o			RFI affecting PDU with start 12:40:32	RFI, missing data
08/03/2021	x		o			RFI affecting PDU with start 22:11:17	RFI, missing data
10/03/2021	x		o	o		RFI affecting PDUs with start 12:41:58 and 13:05:58	RFI, missing data
14/03/2021	x		o			RFI affecting PDU with start 21:09:09	RFI, missing data
15/03/2021		x	o			RFI affecting PDU with start 09:51:40	RFI, missing data
17/03/2021	x			o		Manoeuvre affecting products from 06:05:03 to 10:10:57	Manœuvre
20/03/2021	x		o	o		RFI affecting PDUs with start 20:04:04 and ones from 20:22:04 to 20:28:04	RFI, missing data
21/03/2021	x		o	o		RFI affecting PDUs with start 16:15:54 and ones from 16:36:54 to 16:42:54	RFI, missing data
27/03/2021	x		o			OLCI PDHU Anomaly affecting PDU with start 20:28:48	Onboard Anomaly, missing data
29/03/2021		x		o		SLSTR PDHU Anomaly affecting PDU with start 23:53:57	Onboard Anomaly, missing data
30/03/2021	x		o			Small Gap due to OLCI S09 Calibration: from 09:03:58 to 09:06:00 (122")	OLCI Calibration
APRIL							
02/04/2021		x	o			RFI affecting PDU with start 23:53:13	RFI, missing data
06/04/2021	x		o	o		RFI affecting PDUs with start 12:36:02 and 13:06:02	RFI, missing data
14/04/2021		x		o		Manoeuvre affecting products from 09:59:00 to 14:05:10	Manœuvre
15/04/2021	x		o			RFI affecting PDU with start 08:43:26	RFI, missing data



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
19-21/04/2021	x			o		SLSTR Onboard Maintenance and decontamination: - Gap from 2021/04/19 07:30:23 and 2021/04/20 11:22:47 - Degraded from from 2021/04/20 11:23:30 to 2021/04/21 22:47:14	Onboard Maintenance, Decontamination
23/04/2021	x		o			OLCI PDHU Anomaly affecting PDU with start 03:33:00	Onboard Anomaly, missing data
MAY							
09/05/2021		x	o	o		RFI affecting PDUs with start 19:22:26 and 19:49:26	RFI, missing data
10-11/05/2021	x	x			o	S3A Gaps: - 2021/05/10 16:49:39 to 2021/05/11 08:55:05 16h - 20210511 20210511 14:42:24 19:00:58 4h S3B Gaps: - 2021/05/10 17:51:07 to 2021/05/11 08:15:34 14h	CGS, Circulation, Data gap
18/05/2021	x		o	o		RFI affecting PDUs with start 00:54:25 and from 01:09:25 to 01:15:25	RFI, missing data
19/05/2021	x		o			RFI affecting 2 PDUs from 15:31:07 to 15:40:07	RFI, missing data
		x			o	Manoeuvre manifest tag in products products from 09:59:00 to 14:05:10, but data not impacted	Manoeuvre
23/05/2021	x		o			RFI affecting PDU with start 22:32:19	RFI, missing data
29/05/2021		x	o	o		RFI affecting PDUs from 00:29:55 and 00:35:55; and from 00:56:55 to 01:02:55.	RFI, missing data
JUNE							
01/06/2021	x				o	Manoeuvre manifest tag in products from 08:08:56 to 10:34:21, but data not impacted	Manoeuvre
02/06/2021	x	x			o	A gap is observed for VG1 products from 20210601T235959 to 20210602T120000 due to a processing configuration issue/change	processing issue
02-10/06/2021	x	x			o	Due to a PDGS processing configuration issue, VG1 have a wrong time window coverage from 20210602T120000 to 20210610T235959 (12:00:00 to 12:00:00 rather than 00:00:00 to 23:59:59) As a consequence, V10 products covering the corresponding period are affected by the issue (unexpected VG1 input products coverage)	processing issue
02/06/2021	x		o			RFI affecting PDU with start 22:32:19	RFI, missing data
15/06/2021	x		o			RFI affecting PDU with start 14:14:08	RFI, missing data
		x	o			RFI affecting 2 PDUs from 21:41:40 to 22:02:40	RFI, missing data
23/06/2021	x					RFI affecting PDU with start 07:31:43	RFI, missing data
26/06/2021	x					RFI affecting PDU with start 21:04:04	RFI, missing data
27/06/2021		x				PHDU Anomaly affecting PDU with start 15:22:31	Onboard Anomaly, missing data
28/06/2021	x					RFI affecting PDU with start 23:30:40	RFI, missing data
JULY							
02/07/2021	x		o	o		RFI affecting 2 PDUs from 09:59:02 to 10:23:02	RFI, missing data
06/07/2021	x		o	o		PDGS issue affecting PDUs from 18:17:14 to 18:50:14	PDGS, circulation
09/07/2021	x		o	o		PDGS issue affecting PDU from 12:22:43 to 12:25:43	PDGS, circulation



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
12/07/2021	x		o	o		RFI affecting 3 PDUs from 09:02:11 to 15:52:08	RFI, missing data
13/07/2021	x		o	o		RFI affecting 2 PDUs from 00:05:04 to 00:11:04	RFI, missing data
14-15/07/2021	x	x	o	o		PDGS circulation impact on products (to be updated if gaps are recovered) - missing data S3A (SLN/SLO/OLC): 20210714 from 21:43:43 to 20210714 22:06:14 S3B (SLN/SLO/OLC): 20210715 from 01:58:17 to 20210715 03:54:16 -Data gaps: S3A 20210715 from 04:44:41 to 04:46:38 (117") 20210715 from 06:02:24 to 07:32:29 (90') 20210716 from 07:46:02 to 12:04:40 (4h) 20210717 from 10:41:52 to 15:00:31 (4h) S3B 20210715 from 03:54:31 to 05:11:01 (76') -Discarded Navatt: S3B 20210715 from 03:28:34 to 20210715 03:54:31	PDGS, circulation
16/07/2021	x		o			Data gaps due to OLCI S09 Calibration from 09:04:24 to 09:05:33 (69")	OLCI Calibration
19/07/2021	x		o			RFI affecting 1 PDU from 11:10:52 to 11:13:52	RFI, missing data
26/07/2021		x	o			data gap due to OLCI S09 calibration from 09:06:10 to 09:07:19 (69")	OLCI Calibration
AUGUST							
10/08/2021	x				o	NT SYN from 09:36:46 to 10:21:01 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
19/08/2021		x	o			RFI affecting PDU with start 20:30:42	RFI, missing data
20/05/2021	x					PDHU Anomaly originating missing data in PDU with start 12:00:52	Onboard Anomaly, missing data
22/08/2021	x					RFI affecting PDU 16:11:28 and from 16:17:28 to 16:23:28	RFI, missing data
SEPTEMBER							
08/09/2021	x		o			RFI affecting PDU with start 19:10:16	RFI, missing data
08/09/2021	x				o	NT SYN from 09:36:46 to 10:21:01 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
14/09/2021	x		o	o		RFI affecting PDU with start 08:02:16 and from 08:32:16 to 08:36:26	RFI, missing data
16/09/2021	x		o			RFI affecting PDU with start 01:57:07	RFI, missing data
18/09/2021	x		o			RFI affecting PDU with start 08:07:32	RFI, missing data
18/09/2021		x	o			PDHU Anomaly originating missing data in PDU with start 22:52:05	Onboard Anomaly, missing data
19/09/2021	x		o	o		RFI affecting PDU with start 09:04:20 and from 09:10:20 to 09:13:20	RFI, missing data
22/09/2021		x	o			RFI affecting PDU with start 09:02:27	RFI, missing data
23/09/2021		x	o	o		RFI affecting 2 PDUs with start 05:05:17 and 05:26:17	RFI, missing data
28/09/2021		x	o			SLSTR Black Body Test 2 degraded PDU with 08:31:25 to 08:36:42	SLSTR Calibration
29/09/2021		x		o		NT SYN from 07:25:58 to 09:51:12 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
OCTOBER							
01/10/2021		x		o		SLSTR Black Body Test degraded PDU with start 08:16:45	SLSTR Calibration
07/10/2021	x		o			RFI affecting PDU with start 09:04:20 and from 09:10:20 to 09:13:20	RFI, missing data
09/10/2021		x		o		RFI affecting PDU with start 09:02:27	RFI, missing data
20/10/2021		x		o		NT SYN from 11:46:31 to 14:09:08 with Manoeuvre degraded flag in manifest, but in fact no pointing errors SIIMPC-5354 Manoeuvre	Manoeuvre
22/10/2021	x			o		Missing data affecting PDUs from 07:49:49 to 07:55:49	missing data
27/10/2021		x	o			OLCI VAM Anomaly, degraded products from 02:01:57 to 11:08:53	Onboard Anomaly, missing data
31/10/2021	x		o			RFI affecting PDU with start 23:07:28	RFI, missing data
NOVEMBER							
01/11/2021	x		o			OLCI S09 calibration PDUs with missing data from 09:01:23 to 09:07:23	Missing data
01/11/2021		x	o			small gap due to RFI from 01:56:15 to 01:59:11	RFI, Missing data
02/11/2021	x			o		Missing frames due to RFI from 21:55:53 to 22:40:10	RFI, Missing data
03/11/2021		x	o	o		Missing frames due to RFI from 12:25:27 to 13:09:44	RFI, missing data
04/11/2021	x			o		NT SYN from 05:54:46 to 08:20:03 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
04/11/2021		x	o			Missing frames due to RFI from 01:53:24 to 02:37:41	RFI, missing data
09/11/2021	x		o			Missing frames due to RFI from 07:06:19 to 07:50:35	RFI, missing data
09/11/2021	x		o			Missing frames due to RFI from 22:15:15 to 22:59:32	RFI, missing data
18/11/2021		x	o	o		Missing data on S3B from 19:21:58 to 20:06:13	missing data
22/11/2021	x		o			Missing data on S3A from 14:54:55 to 15:39:10 due to RFI	RFI, missing data
30/11/2021	x			o		NT SYN from 03:00:59 to 22:16:05 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
DECEMBER							
01/12/2021		x		o		NT SYN from 08:39:26 to 09:23:39 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
03/12/2021	x			o		NT SYN from 03:23:33 to 04:07:45 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
05/12/2021		x	o	o		Missing data on S3B from 15:21:39 to 15:27:39 due to RFI	RFI, missing data
07/12/2021	x			o		NT SYN from 03:20:00 to 04:04:11 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
15/12/2021	x			o		NT SYN from 06:34:44 to 08:59:51 with Manoeuvre degraded flag in manifest, but in fact no pointing errors	Manoeuvre
22/12/2021		x		o		Missing data on S3B from 12:58:09 to 13:42:13 due to RFI	RFI, missing data
24/12/2021	x		o	o		Missing data on S3A from 09:30:33 to 09:54:33 due to RFI	RFI, missing data
29/12/2021		x	o	o		Missing data on S3B from 21:41:44 to 22:25:45 due to RFI	RFI, missing data



SYN Anomalies and Events

YEAR 2020

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
JANUARY							
02/01/2020 and 05/01/2020	x	x			o	SY_2_V10 missing products due to SL_1 004 update: - S3A sensing start 05/01/2020 11:00 to stop 15/01/2020 11:00 - S3B sensing start 02/01/2020 16:33 to stop 12/01/2020 16:33	PDGS, gap
09/01/2020		x	o	o		Sequence errors degrading PDUs with start 09:25:17 and from 09:31:17 to 09:37:17	PDGS, missing data
13/01/2020	x	x			o	SY_2_VG1___ missing products due to SL_1 004 update: - S3A sensing start 13/01/2020 12:00 to stop 14/01/2020 12:00 - S3B sensing start 13/01/2020 16:33 to stop 14/01/2020 16:33	PDGS, gap
18/01/2020	x		o			Degraded products from 16:09:55 to 16:12:06 due to PDHU dump anomaly	PDHU dump, missing data
21/01/2020		x	o	o		RFI affecting PDUs from 09:17:02 to 09:32:02	RFI, missing data
23/01/2020	x		o			Degraded products from 16:09:55 to 16:12:06 due to OLCI S09 calibration	OLCI calibration, missing data
28/01/2020		x		o		Degraded geolocation due missing NAVATT from 11:07:48 to 11:51:35	Geolocation, NAVATT
30/01/2020		x			o	Gap in production from 10:24:21 to 10:27:15 Degraded due to missing NAVATT between 08:34:17 to 12:40:01	PDGS, gap, Geolocation, NAVATT
FEBRUARY							
02/02/2020		x	o			OLCI S09 Calibration: 20200202 from 09:05:46 to 09:06:54 (68") - shorter products before and after	OLCI calibration, gap
03/02/2020 - 11/02/2020	x			o		SLSTR anomaly and decontamination - SYNergy degraded products from 2020/02/03 09:10:12 until 2020/02/11 23:12:37 ; including gap with no products between 2020/02/03 14:56:27 and 2020/02/07 15:49:31.	Decontamination, missing data, gap
05/02/2020		x		o		S3B Manoeuvre affecting products from 07:37:35 to 10:02:20	Manoeuvre
17/02/2020	x		o			OLCI Twilight Test day 1: 12:59:52 to 13:09:35 (RO 81) 14:40:51 to 14:50:34 (RO 82) 16:21:50 to 16:31:33 (RO 83)	OLCI Test
20/02/2020	x		o			OLCI Twilight Test day 2: 15:02:56 to 15:13:00 (RO 125) 16:43:55 to 16:53:59 (RO 126) 18:24:53 to 18:34:59 (RO 127)	OLCI Test
23/02/2020		x	o	o		RFI affecting PDUs from 04:47:16 and 04:55:58	RFI, missing data
24/02/2020	x		o			OLCI Twilight Test day 3: 14:58:42 to 15:09:15 16:39:41 to 16:50:15 18:20:40 to 18:31:14	OLCI Test



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
27&28/02/2020	x	x	o	o		- S3A - degraded: 20200228 from 00:21:24 to 00:23:38 data gaps: 20200227 20200228 22:21:09 00:21:24 (120') 20200228 20200228 03:59:05 06:37:14 (158') - S3B - degraded: 20200227 22:00:20 to 22:16:37 data gaps: 20200227 20200227 21:48:41 22:00:20 (11') 20200227 20200228 22:16:37 00:54:46 (158')	Svalbard, CGS
28/02/2020	x		o			RFI degrading products 03:30:36 to 03:33:36	RFI, missing data
MARCH							
11/03/2020	x			o		S3B Manoeuvre affecting products from 09:46:23 to 10:30:16	Manoeuvre
16/03/2020	x		o	o		RFI affecting PDUs 09:21:25 and from 09:36:25 to 09:42:25	RFI, missing data
23/03/2020	x		o	o		Degraded products from 09:46:08 to 09:52:08 with gap from 09:49:18 to 09:50:15)	Missing data, Svalbard, gap
24/03/2020		x	o			RFI degrading products at PDU start 00:29:18 and gap from 00:25:25 to 00:29:18 (3')	RFI, missing data, gap
APRIL							
03-05/04/2020	x	x			o	Due to processing failure, SYN AOD not generated for: S3A: - 20200403 08:50:26 11:28:17 - 20200404 08:24:09 11:01:59 - 20200405 09:38:51 12:16:40 S3B: - 20200403 09:51:51 12:29:41 - 20200404 09:25:33 12:03:23 - 20200405 08:59:16 11:37:06	gap, processing
05/04/2020	x			o		Products degraded due to missing data in SLSTR oblique view from 10:35:41 to 11:19:46	missing data
06/04/2020		x		o		Degraded products from 11:10:48 to 11:54:56	Svalbard, CGS
08/04/2020		x		o		Degraded products due to manoeuvre from 10:20:38 to 12:43:20	Manoeuvre
10-11/04/2020	x			o		SLSTR SDRs with missing data: 20200410 00:01:56 to 20200410 00:37:56 20200410 23:38:46 to 20200411 00:11:46 20200411 23:12:35 to 20200411 23:45:35	missing data
13-14/04/2020		x	o	o		Due to acquisition failure, no SYN generated for - 20200413 22:18:48 to 20200414 02:37:32	Svalbard, CGS, gap
14/04/2020	x		o	o		Due to acquisition failure, no SYN generated for: 20200414 20200414 04:01:20 06:39:43 158' and degraded for 03:18:11 to 07:23:18 due to missing NAVATT	Svalbard, CGS, gap, NAVATT, Geolocation
19/04/2020		x	o			RFI degrading products at PDU start 14:30:36	RFI, missing data



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
22/04/2020		x		o		Products degraded due to missing data in SLSTR: from 14:18:03 to 14:26:03 and from 14:38:03 to 14:50:03	CGS, missing data
24/04/2020		x			o	Processing issue originating 1 orbit gap from 07:23:56 10:03:44 (159')	gap, processing
30/04/2020	x		o	o		RFI degrading products from 19:58:07 to 20:04:07 and from 20:22:07 to 20:28:07	RFI, missing data
MAY							
10/05/2020	x		o			Small gap due to OLCI S09 Calibration from 09:04:20 to 09:05:28 (68")	OLCI Calibration
13-21/05/2020	x			o		SLSTR anomaly and decontamination - SYNergy degraded products from 2020/05/13 11:16:47 until 2020/05/21 23:10:20 ; including gap with no products between 20200513 11:18:54 and 20200518 17:05:00.	Decontamination, missing data, gap
20/05/2020		x	o			Small gap due to OLCI S09 Calibration from 09:05:56 09:08:58 (3')	OLCI Calibration
22/05/2020	x		o			RFI degrading PDUs with start 23:53:01	RFI, missing data
27/05/2020		x		o		Degraded products due to manoeuvre from 05:41:05 to 09:47:29	Manoeuvre
JUNE							
03/06/2020		x	o			Degraded PDUs with start 16:05:24 due to CGS issue	CGS, missing data
11/06/2020	x		o			RFI degrading PDUs with start 01:44:28 to 01:50:28	RFI, missing data
15/06/2020	x		o	o		Degraded from 14:52:22 to 18:58:46, including gap 14:54:24 to 16:34:05 (99')	Svalbard, CGS, gap, NAVATT, Geolocation
17/06/2020	x			o		Degraded products due to manoeuvre from 08:57:01 to 13:03:25	Manoeuvre
JULY							
04/07/2020	x		o			OLCI Moon Calibration: Gap from 14:03:20 to 16:40:56 Degraded PDUs with start 16:40:56	OLCI Calibration
14/07/2020		x	o			Products degraded due to missing data in OLCI acquisition from 10:35:41 to 11:19:46	CGS, Missing data
19/07/2020		x	o	o		RFI degrading PDUs with from 18:21:52 to 18:27:52	RFI, missing data
23/07/2020		x	o	o		RFI degrading PDUs with from 01:00:52 to 01:01:15	RFI, missing data
23/07/2020 onwards	x	x		o		Missing scans present in SYN products from 23/07/20 - 29/07/2020 presently (30.07.2020)	Missing data
27/07/2020		x			o	NTC Gap 21:09:21 to 21:33:21 for SY_2_SYN prodcts	gap, processing
29/07/2020		x		o		Manoeuvre affecting products from 08:30:07 to 09:14:24	Manoeuvre
AUGUST							
02/08/2020	x		o	o		RFI degrading PDUs with start 17:33:42; and covering 17:39:42 to 17:45:42	RFI, missing data
04/08/2020	x		o			RFI degrading PDUs with start 23:37:17	RFI, missing data
05/08/2020		x		o		SLSTR FEE Offset Voltages update: degrading 2 PDUs from 08:49:23 to 08:54:47	On-board maintenance
09/08/2020		x		o		PDGS issue originating pointing errors in S3B: - 20200809 07:07:46 to 07:49:15; - 20200809 08:46:00 to 09:30:15	PDGS, processing
10/08/2020	x			o		PDGS issue originating pointing errors in S3A: - 20200810 08:59:20 to 09:43:34	PDGS, processing
10/08/2020		x				RFI degrading PDUs covering 06:43:53 to 06:58:53	RFI, missing data
12/08/2020		x			o	AOD Gap 20200809 20200810 23:37:37 02:15:21 (157') orbit 042_145	PDGS, processing
15/08/2020		x	o	o		PDGS issue originating missing scans between 11:19:55 and 11:40:55 ; and PDU start 11:49:55	CGS, missing data
17/08/2020	x		o	o		RFI degrading 2 PDUs with starts 09:31:58 and 09:58:58	RFI, missing data
31/08/2020	x		o	o		PDGS issue originating missing scans for PDU 16:50:17 ; and 17:11:17 to 17:17:17	CGS, missing data
SEPTEMBER							



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
01/09/2020	x	x	o			Missing NAVATT due to processing issue: - S3A from 04:28:34 to 05:12:22 - S3B from 05:30:12 to 06:14:24 and PDU 07:11:11	PDGS, processing, NAVATT
02/09/2020	x			o		Missing scans affecting PDUs from 13:05:56 and 13:08:56	CGS, missing data
05/09/2020	x		o			Degraded products from 16:09:55 to 16:12:06 due to OLCI S09 calibration	OLCI calibration, missing data
10/09/2020	x		o	o		RFI degrading 2 PDUs with starts 07:28:31 and 07:55:31	RFI, missing data
16/09/2020	x		o	o		RFI degrading PDUs from 14:48:21 to 14:54:21	RFI, missing data
16/09/2020	x	x		o		Missing NAVATT due to processing issue: - S3A from 16:28:38 to 17:12:51 - S3B from 15:49:12 to 16:33:25	PDGS, processing, NAVATT
21/09/2020		x	o	o		RFI degrading PDUs from 20:49:57 to 20:55:57	RFI, missing data
22/09/2020	x		o	o		RFI degrading PDU with start 10:33:18 and from 10:42:18 to 10:48:18	RFI, missing data
25/09/2020	x		o	o		RFI degrading PDUs from 10:53:07 to 11:10:44	PDGS, circulation
28/09/2020	x				o	PDGS Circulation originatind missing data: from 06:15:13 to 06:48:13 ; and PDU start 12:58:42	PDGS, circulation
OCTOBER							
05/10/2020		x	o	o		RFI degrading PDUs from 10:53:07 to 11:10:44	RFI, missing data
06-07/10/2020	x	x	o	o		Due to PDGS circulation issue, the following PDUs are degraded: S3A: 2020/10/06 from 11:43:43 to 11:52:43; 2020/10/07 from 05:53:34 to 05:59:34; from 12:55:31 to 13:04:31; from 15:50:29 to 16:05:29. S3B: 2020/10/07 from 05:00:54 to 05:05:03 ; from 21:51:56 to 21:57:56	PDGS, Circulation
07/10/2020		x		o		Manœuvre affecting products from 08:22:53 to 12:29:08	Manœuvre
10/10/2020	x		o	o		RFI degrading PDUs from 16:15:56 to 16:33:56	RFI, missing data
18/10/2020		x		o		Products geolocation degraded due to missing NAVATT from 06:58:12 to 07:42:28	PDGS, Geolocation
20/10/2020		x	o	o		RFI degrading PDUs from 09:30:40 to 09:39:40	RFI, missing data
21/10/2020		x	o	o		RFI degrading PDUs from 12:50:28 to 12:56:28	RFI, missing data
22/10/2020		x		o		Due to PDGS circulation issue degraded PDUs 10:58:18	PDGS, Circulation
NOVEMBER							
01/11/2020	x		o			RFI degrading PDUs 10:34:54. Small Gap in AOD between 10:36:52 and 10:37:49	RFI, missing data, Gap
05/11/2020		x	o			RFI degrading PDUs 00:50:49	RFI, missing data
08/11/2020	x		o	o		Svalbard issue originating production gap: 00:55:15 to 03:32:57 (157') and degraded products due to missing NAVATT from 03:32:57 to 09:20:13	Svalbard, Gap, NAVATT
08/11/2020		x	o	o		Svalbard issue originating production gap: 01:40:10 04:34:33 (174') and degraded products due to missing NAVATT from 04:34:33 to 06:59:50	Svalbard, missing data, Gap
10/11/2020	x		o	o		RFI degrading PDUs from 22:59:07 to 23:11:07	RFI, missing data
11-13/11/2020		x		o		SLSTR-B Decontamination: - Data gap from 2020/11/11 10:44:31 to 2020/11/12 12:56:08 - Degarded products from 2020/11/12 12:56:08 to 2020/11/13 22:36:00	Decontamination, gap
17/11/2020	x		o	o		RFI degrading PDUs with start 08:03:00	RFI, missing data
23/11/2020	x		o			RFI degrading PDUs 20:35:15 to 20:40:41	RFI, missing data
27/11/2020		x	o			RFI degrading PDUs with start 14:49:27	RFI, missing data



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
DECEMBER							
02/12/2020	x			o		Manœuvre affecting products from 06:34:08 to 10:40:20	Manœuvre
05/12/2020	x		o			RFI degrading PDUs with start 08:57:31	RFI, missing data
06/12/2020	x		o			RFI degrading PDUs with start 14:57:17	RFI, missing data
12/12/2020	x		o			RFI degrading PDUs with start 22:47:07	RFI, missing data
12/12/2020	x		o			OLCI S09 Calibration: 20201212 from 09:04:11 to 09:05:19 (68") - shorter RR products before and after	OLCI calibration, gap
16/12/2020	x			o		Out-of-plane manœuvre affecting products from 12:14:58 to 12:59:06	Manœuvre
16/12/2020		x		o		In-plane-manœuvre affecting products from 08:13:41 to 08:57:48	Manœuvre
22/12/2020		x	o			OLCI S09 Calibration: 20201212 from 09:06:00 to 09:057:09 (69") - shorter RR products before and after	OLCI calibration, gap



SYN Anomalies and Events

YEAR 2019

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
JANUARY							
01/01/2019	x		o	o		Missing SDRs from OLCI and SLSTR inputs. 3 products, *1 over land, very small loss of data.	Missing data, Svalbard
04/01/2019	x		o	o		Missing SDRs from OLCI and SLSTR inputs. 10 products and gap. Located over ocean & land.	Missing data, Svalbard
04/01/2019		x	o	o		Missing SDRs from OLCI and SLSTR inputs. Products over land & ocean, total 3. gap.	Missing data, Svalbard
05 & 06/01/2019		x	o	o		Discarded navatt & gap reported, 34 products affected over land & ocean some missing SDRs noted.	Discarded navatt, missing data, Antenna, Svalbard
05/01/2019	x		o			Missing SDRs from OLCI input, 1 product over ocean	RFI, missing data, Svalbard
14/01/2019	x	x			o	Some products missing coverage / No coverage * 20 for S3A & S3B. To be updated for V10 and future product regeneration.	IPF update error
20/01/2019		x	o	o		Missing SDRs - 20/01/2019	RFI, Missing data, Svalbard
21/01/2019	x		o	o		Loss of SDR values in the SLSTR and OLCI input bands.	RFI, Missing data, Svalbard
23/01/2019	x				o	Loss of data for VG1 & V10 products (missing 1 orbit). gap for SYN/VGP & VGK products RO-289 AO-15277. Recovery not possible.	IPF update error
FEBRUARY							
02/02/2019	x		o	o		Some missing data for SY_2_SYN products from OLCI (1) & SLSTR (2) inputs. 1 * VGP/VGK affected. 4 in total over land.	RFI, Missing data, Svalbard
06/02/2019	x	x	o	o		Missing SDRs over land * 3 products (1 OLCI input, 2 SLSTR input)	RFI, Missing data, Svalbard
13/02/2019		x		o		Products flagged with MANOEUVRE & DISCARDED NAVATT, missing data of vertical lines seen in all products. 2 orbits, impact over land & ocean.	Manoeuvre, Missing data
15/02/2019		x	o			OLCI no_olc flag raised over 1 ocean product.	RFI, Missing data, Svalbard
17/02/2019		x	o			Loss of data from OLCI input	RFI, Missing data, Svalbard
27/02/2019	x			o		Possible geolocation impact since SLSTR input flagged pointing errors.	Manoeuvre
28/02/2019		x			o	Gap from 12:48:01 to 15:26:10	gap, PDGS/Processing issue
MARCH							
05/03/2019	x		o	o		Missing data in SYN products, 1 product over the ocean so minimal impact	RFI, Missing data, Svalbard
05/03/2019	x		o			A gap for Synergy L2 products, and split products are noted due to an S09 OLC calibration. Impact can be observed in all products but is expected and cannot be recovered.	OLCI Calibration, split orbit, missing data, gap
05/03/2019	x		o	o		Missing data from SLSTR input in SY_2_SYN products and missing orbit 107 as input into VG1 & V10 products.	Missing data, Svalbard
06/03/2019		x			o	Gap from 03:26:18 to 06:04:25	gap, PDGS/Processing issue
07/03/2019		x	o	o		Missing data for two products over land one missing OLCI frames the other missing SLSTR scans.	RFI, Missing data, Svalbard
09/03/2019	x				o	Gap from 02:46:49 05:24:54	gap, PDGS/Processing issue
09/03/2019		x	o	o		Missing data in SYN products showing as vertical line. Discarded navatts may impact geolocation.	Antenna, Svalbard, missing data, gap
10/03/2019	x		o	o		Missing data from OLCI & SLSTR inputs.	RFI, Missing data, Svalbard
13/03/2019		x		o		Potentially missing data and degraded geolocation.	Manoeuvre, missing data
15/03/2019		x	o			Missing data, split orbits and a gap due to short PDUs	OLCI Calibration, split orbit, missing data, gap
21/03/2019	x				o	Gap from 02:34:10 to 05:12:09	gap, PDGS/Processing issue



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
22/03/2019	x				o	Gap from 02:07:52 to 04:45:50	gap, PDGS/Processing issue
28/03/2019		x			o	Gap from 03:53:37 to 06:31:32	gap, PDGS/Processing issue
APRIL							
05/04/2019	x		o	o		- MISR, SYN gap: from 11:08:38 to 12:37:56 (89' - incl. night) - Shorter products for MISR, VGP and VGK: with start sensing 20190405T123756 - VG1 starting 20190405T111721 with missing data	RFI, missing data, Svalbard
07/04/2019	x				o	gap from 04:28:58 to 05:13:07	gap, PDGS/Processing issue
08/04/2019		x	o			Degraded gradule from 15:12:26 to 15:15:26	RFI, missing data, Svalbard
08/04/2019		x			o	Gap from 05:04:12 to 05:48:21	gap
10/04/2019	x				o	Gap from 03:00:16 to 03:54:16	gap
10/04/2019	x			o		Possible degraded geolocation/misregistration from 09:54:35 to 14:00:09	Geolocation, NAVATT
11-17/04/2019		x		o		Gap from 20190411 11:13:25 to 20190415 10:26:11 Degraded from 20190415 10:26:11 to 20190417 04:29:32	Decontamination, gap, Missing data
17/04/2019	x		o			20190417T203314_20190417T203614	RFI, missing data, Svalbard
19/04/2019		x	o	o		Degraded SYN from 07:05:28 to 07:08:28 and from 07:17:28 to 07:23:28 and VGT with start sensing 07:00:28	RFI, missing data, Svalbard
29/04/2019	x		o	o		Product gap products from 14:05:51 to 16:46:03 pointing errors due to navatt discarded 16:46:03 to 17:27:49	PDGS, missing data
MAY							
02/05/2019		x		o		Affected garnule 01:37:05 01:40:05 by missing scans	RFI, missing data, Svalbard
08/05/2019	x				o	Gap from 04:22:12 to 05:06:34	gap
09/05/2019	x				o	Gap from 08:22:43 to 09:03:43	gap
2019/05/20 to 2019/05/26	x			o		Ongoing: - Gap from 20190520 11:38:27 to 20190526T113834	Decontamination, gap
24/05/2019		x	o	o		Degraded products from 00:13:58 to 00:19:58 and from 00:43:58 to 00:49:00	missing data, Svalbard
28/05/2019	x		o			Degraded PDU with start sensing 09:20:45	RFI, missing data, Svalbard
29/05/2019		x	o			SYNergy-B impact of OLCI Anomaly 2019/05/29 Production (STC and NTC) has a gap from 20190529 13:46:40 to 20190531 12:21:52.	OLCI Anomaly, gap
29/05/2019 to 02/06/2019	x	x			o	NTC production with gaps for: - S3A from 20190529T023737 to 20190602T102208 - S3B from 20190529T051959 to 20190602T094232 STC production complete.	PDGS, gap
JUNE							
05/06/2019		x	o	o		S3B Products affected by Manoeuvre from 06:42:59 to 09:02:06	Manoeuvre, Missing data
09/06/2019	x		o			Degraded at PDU time 17:31:27 due to RFI	RFI, missing data, Svalbard
13/06/2019	x		o	o		SYNergy-A degraded by Manoeuvre - 07:15:06 to 11:14:59	Manoeuvre
13/06/2019	x		o	o		Degraded PDU starting at 10:43:45 and between 11:07:45 to 11:13:45	RFI, missing data, Svalbard
13/06/2019		x	o	o		Degraded PDU starting at 03:17:11 and between 03:38:11 to 03:44:11	missing data, Svalbard
19/06/2019		x	o	o		Manoeuvre affecting products from 05:39:23 to 09:39:08	Manoeuvre



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
JULY							
08/07/2019	x		o	o		Production the 20190708 from 13:48:23 to 19:47:59	Svalbard, Antenna
13/07/2019	x		o	o		Degraded geolocation due missing NAVATT from 09:19:13 to 09:56:39	Geolocation, NAVATT
16/07/2019	x		o	o		RFI affecting PDUs 08:18:40 and 09:59:39	RFI, missing data, Svalbard
17/07/2019		x	o	o		PDGS issue originating missing scans between 11:19:55 and 11:40:55 ; and PDU start 11:49:55	Gap, NAVATT, Geolocation
29/07/2019		x		o		Products with mssing data from 10:14:40 to 10:20:40	missing data, Svalbard
AUGUST							
07/08/2019	x		o			RFI affecting PDUs 10:14:32 and from 10:26:32 to 10:32:32	RFI, missing data, Svalbard
23/08/2019		x	o	o		RFI affecting PDUs starting at 05:55:03	RFI, missing data, Svalbard
28/08/2019	x		o	o		Manoeuvre affecting products from 10:24:57 to 11:09:09	Manœuvre
28/08/2019		x	o	o		Manoeuvre affecting products from 08:46:26 to 12:50:09	Manœuvre
SEPTEMBER							
01/09/2019		x		o		RFI affecting PDU starting 090121	RFI, missing data, Svalbard
03/09/2019 and 04/09/2019		x		o		SLSTR-B Black body cross over test - from 09:30:00 the 03/09/2019 to 20:30:00 the 04/09/2019	SL Black body, degraded accuracy
05/09/2019 and 06/09/2019	x			o		SLSTR-A Black body cross over test - 09:15:00 the 05/09/2019 to 18:30:00 the 06/09/2019	SL Black body, degraded accuracy
05/09/2019	x			o		Gap from 04:58:09 to 07:36:01 sensing and degraded with missing NAVATT from 04:15:30 to 10:01:08	Gap, NAVATT, Geolocation
19/09/2019 to 25/09/2019		x		o		Gap from 20190919 06:37:02 to 20190923 09:19:35; degraded products from 20190923 10:54:17 to 20190925 07:24:24	Decontamination, Gap
26/09/2019		x	o	o		2 orbits missing: 08:13:20 to 11:20:20 and 18:44:12 to 21:23:05	Gap, NAVATT, Geolocation
30/09/2019		x	o			RFI affecting PDU starting at 10:20:33	RFI, missing data, Svalbard
OCTOBER							
10/10/2019		x		o		S3B Manoeuvre affecting products from 16:59:12 to 19:24:27	Manœuvre
12/10/2019	x		o			Sequence erros affecting PDU starting at 03:22:23	missing data
15/10/2019	x			o		S3A Manoeuvre affecting products from 07:03:48 to 07:47:47	Manœuvre
16/10/2019		x		o		S3B Manoeuvre affecting products from 07:38:47 to 08:23:03	Manœuvre
18/10/2019	x		o			RFI affecting PDU starting at 02:23:19	RFI, missing data
30/10/2019	x			o		1 orbit missing from 04:38:41 to 07:16:23 with degraded NTC products between 03:54:24 to 08:00:40	Gap, NAVATT, Geolocation
31/10/2019		x	o	o		RFI affecting PDUs from 09:34:13 to 09:43:13	RFI, missing data
NOVEMBER							
04/11/2019	x			o		RFI affecting PDU starting at 12:30:03	RFI, missing data
11/11/2019	x	x			o	Missiing NAVATT in NTC (recoverable in future reprocessing): SYN-A from 09:42:52 to 10:27:09 SYN-B from 09:03:17 to 09:49:19	PDGS, NAVATT, Geolocation
12/11/2019	x		o			RFI affecting PDUs from 08:23:45 to 08:27:35	RFI, missing data
15/11/2019		x	o			RFI affecting PDU starting at 14:48:26	RFI, missing data
18/11/2019		x	o	o		RFI affecting PDUs from 01:43:04 to 01:48:59	RFI, missing data
27/11/2019	x			o		S3A Manoeuvre affecting products from 06:52:30 to 09:17:43	Manœuvre
DECEMBER							
02/12/2019	x			o		RFI affecting PDUs from 23:35:42 to 23:41:42	RFI, missing data



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Impact/Description	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
11/12/2019	x			o		S3A Manoeuvre affecting products from 10:52:30 to 13:17:39	Manoeuvre
18/12/2019		x		o		S3A Manoeuvre affecting products from 07:09:57 to 09:35:02	Manoeuvre



SYN Anomalies and Events

YEAR 2018

Date(s)	Satellite		Instrument			Description / Impact	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
JANUARY							
FEBRUARY							
12/02/2018 14:39	x				o	Issue with flag to identify missing OLCI input data within SYN PDUs	IPF, Invalid, OLCI, Flags, Masks
MARCH							
13/03/2018 12:23	x				o	SDR data was wrongly removed in the SYN PDUs	Data missing, IPF
APRIL							
S3B launched							
MAY							
JUNE							
JULY							
02/07/2018 15:50	x	x			o	End of June -July, no SDR data for SLSTR input bands in SYN, VGP, VG1 for several orbits per day (not all products)	Data missing, IPF
13/07/2018 15:55	x	x			o		
18/07/2018 15:00		x			o	Seen only on ocean SYN PDUs	Data missing, IPF
27/07/2018 10:34		x	o			Data absent at OLCI camera interfaces, only seen when product is georeferenced SYN, VGP PDUs	OLCI, Geolocation, Missing SDR, Missing TOA
AUGUST							
21/08/2018 10:57	x	x			o	Data absent for rectangular patterns in the SDR values for SYN PDUs - Fixed in PB 2.40A/1.11B	Data missing, IPF
SEPTEMBER							
OCTOBER							
05/10/2018 15:49	x	x			o	All products currently generated in particular the MIR data band have unusual patterns on the left side of product. All VGP/VGK/VG1 products generated are impacted by this. (13.09.2018 - 16.01.2019) solved with IPF-SY-2 06.16 release.	IPF, missing data, MIR band
17/10/2018 11:28		x		o		Some missing vertical data lines observed in SDR measurements SYN PDUs	SDR missing, SLSTR, Manœuvre
16/10/2018 10:12		x		o		Some missing vertical data lines observed in SDR measurements SYN PDUs, Discarded navatt in L1	Drift, manœuvre, missing data, discarded navatt



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Description / Impact	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
16/10/2018 10:12		x		o		Some missing vertical data lines observed in SDR measurements SYN PDUs, Discarded navatt in L1	Drift, manoeuvre, missing data, discarded navatt
26/10/2018		x		o		SYN data gap is present 20181026T072055 to 20181026T132017 20181026 20181026 07:20:43 13:20:17 5h for L1 & L2 Missing SDR values for some channels e.g. S5, S6; this is not flagged in synergy masks as missing no_sln data but data can be missing for different bands for the entire decontamination period.	Missing data, Data gap, SLSTR, Decontamination
26/10/2018	x		o	o		Minimal - some SDRs over snow/ice region in Antarctica other product entirely ocean. 2 products	RFI, Missing SDRs
NOVEMBER							
02/11/2018		x	o	o		During the S3B downlink orbit 2718 at Svalbard (ingestion start around 2018-11-02 10:00 UTC) a loss of frames has been observed. Missing SDR values, data gap, short PDU over UK.	Downlink error, Svalbard, data gap, short PDU
04/11/2018		x		o	o	Missing vertical lines of SDR data from SLSTR channels	Collision avoidance, manoeuvre, missing data, short PDU, data gap
10/11/2018		x	o	o		Missing data in the listed products from SLSTR and OLCI. 4 products over ocean and the Antarctic.	Dovnlk error, missing data, Svalbard
13/11/2018		x	o			Line of high value SDRs probably as a result of perfect specular reflection affecting an OLCI camera since the pixels are not removed. OLCI Specular reflection - 1 product	OLCI, perfect specular reflection
13/11/2018		x		o		Line of missing data from SLSTR input affecting 1 product over the ocean.	Circulation error, missing data
14/11/2018	x		o			Missing SDR values from OLCI 14/11/2018, products all over ocean.	Downlink error, missing data, Svalbard
17/11/2018	x		o			Missing data in synergy products however only 1 Product over ocean, no impact on land.	RFI, missing data
17/11/2018		x	o			Missing SDR values flagged for the OLCI input due to RFI reported on ARTS PDGSANOM-4031, missing frames are observed on products sensed around 20:55 on 17/11/2018. Product over ocean, no impact on land.	RFI, missing data
20/11/2018		x	o	o		Product gap products from 14:05:51 to 16:46:03 pointing errors due to navatt discarded 16:46:03 to 17:27:49	Manoeuvre, missing data, missing navatt, data gap
23/11/2018		x	o	o		Missing SDRs and data from SYNergy products, & data gaps	Signal error, Svalbard, missing data, data gaps
28/11/2018	x			o		Products flagged with manoeuvres	Manoeuvre, in-plane, missing data
DECEMBER							
01/12/2018	x	x	o	o		Missing data and data gap partially recovered	Data circulation error, Svalbard, missing data, data gap
06-10/12/2018	x	x		o		Missind data impacting product only over ocean.	Network issue, missing data
11.12.2018		x		o		Missing data noted in the SLSTR input for SYNergy products.	Yawcalibration, manoeuvre, missing data
12/12/2018		x		o		Two orbits flagged with manoeuvres and discarded navatt (geolocation degradation and missing data possible)	Out-of-plane, manoeuvre, missing data, discarded navatts



SYN Anomalies and Events

Date(s)	Satellite		Instrument			Description / Impact	Keywords
	S3A	S3B	OLCI	SLSTR	IPF SYN		
13/12/2018		x	o	o		NTC production with gaps for: - S3A from 20190529T023737 to 20190602T102208 - S3B from 20190529T051959 to 20190602T094232 STC production complete.	Downlink error, missing data
15/12/2018	x			o		Two products over land missing some SLSTR scans causing data loss in Synergy products.	RFI, missing data
15/12/2018	x		o	o		Products affected 06:56:58 to 07:02:58	RFI, missing data
19/12/2018				o		Potentially degraded geolocation and missing data from SYNergy products.	Out-of-plane, manoeuvre, missing data, discarded navatts
28/12/2018	x				o	Several products have been detected as having the DISCARDED NAVATT degradation flag raised.	Discarded navatts