

YEAR 2021

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
JANUARY								
07/01/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
12/01/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
18/01/2022	Instrument-calibration	x		During the OLCI moon calibration the following NRT products are subject to degradation during the times listed: OLCI - 08:33 to 08:41; SLSTR IR Channels - 07:49 to 08:41; SLSTR VIS Channels - 08:21 to 08:41. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-01-18T06:43:18 to 2022-01-18T10:05:36. SRAL STC and NTC production gaps for sensing times 2022-01-18T06:43:18 to 2022-01-18T10:05:36 are expected.				data-degraded
19/01/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
FEBRUARY								
02/02/2022	Manoeuvre		x	S3B Out-of-plane-manoeuvre				data-degraded, manoeuvre
16/02/2022	Instrument-calibration		x	During the OLCI moon observation the following NRT products are subject to degradation during the times listed: OLCI - 23:48 to 23:55; SLSTR IR Channels - 23:04 to 23:55; SLSTR VIS Channels - 23:35 to 23:55. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-02-16T21:55:25 to 2022-02-17T01:19:14. SRAL STC and NTC production gaps for sensing times 2022-02-16T21:55:25 to 2022-02-17T01:19:14 (RON[1-385] 342 to 344) are expected.				data-unavailable
23/02/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
MARCH								
02/03/2022	Data Gap		x	S3B Data gap from 12:32:15 to 13:24:16 - ground-segment-anomaly. data-unavailable. Service has been resumed. ;				missing-data
13/03/2022	Manoeuvre	x		S3A Out-of-plane-manoeuvre				data-degraded, manoeuvre
16/03/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
18/03/2022	Spacecraft-special-operation	x		S/C and services corrected to reflect Sentinel-3A				data-degraded
APRIL								
06/04/2022	Manoeuvre		x	S3B Out-of-plane-manoeuvre				data-degraded, manoeuvre
13/04/2022	Instrument-maintenance	x		The instrument will be set to ""Standby"" mode to allow the patching of the minimum Ku-band attenuation setting in RAM				data-unavailable
13/04/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
17/04/2022	Spacecraft-special-operation		x	During the OLCI moon observation the following NRT products are subject to degradation during the times listed: OLCI - 05:56 to 06:02; SLSTR IR Channels - 05:11 to 06:02; SLSTR VIS Channels - 05:43 to 06:02. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-04-17T04:14 to 2022-04-17T07:38. SRAL STC and NTC production gaps for sensing times 2022-04-17T04:14 to 2022-04-17T07:38 (RON[1-385] 033 to 034) are expected.				data-degraded
27/04/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
MAY								
11/05/2022	Instrument-calibration		x	Instrument-calibration				data-unavailable
11/05/2022	Instrument-calibration	x		The instrument will be set to ""Standby"" mode to allow the patching of the minimum Ku-band attenuation setting in RAM				data-unavailable
13/05/2022	Instrument-maintenance	x		The instrument will be set to ""Standby"" mode.				data-unavailable
16/05/2022	Instrument-maintenance	x		The operation moved on 16/05/2022. Change in Start and End time.				data-unavailable
16/05/2022	Spacecraft-special-operation		x	During the OLCI moon observation the following NRT products are subject to degradation during the times listed: OLCI - 15:43 to 15:52; SLSTR IR Channels - 15:01 to 15:52; SLSTR VIS Channels - 15:34 to 15:52. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-05-16T14:06 to 2022-05-16T17:25 (RON[1-385] 210 to 211). SRAL STC and NTC production gaps for sensing times 2022-05-16T14:06 to 2022-05-16T12:26 (RON[1-385] 209 to 211) are expected.				data-degraded
18/05/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
24/05/2022	Instrument-maintenance		x	The instrument will be set to ""Standby"" mode.				data-unavailable
24/05/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
25/05/2022	Instrument-maintenance		x	The instrument will be set to ""Standby"" mode.				data-unavailable
JUNE								



S3 Altimetry Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
05/06/2022	Instrument-calibration	x		Instrument-calibration				data-unavailable
14/06/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
14/06/2022	Spacecraft-special-operation		x	update of services from S3A to S3B				data-degraded
29/06/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
JULY								
13/07/2022	Spacecraft-special-operation		x	During the OLCI moon observation the following NRT products are subject to degradation during the times listed: OLCI - 2022-07-14T00:06:35 to 022-07-14T00:12:16; SLSTR IR Channels - 2022-07-13T23:21:46 to 2022-07-14T00:12:16; SLSTR VIS Channels - 2022-07-13T23:54:52 to 2022-07-14T00:12:16. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-07-13T21:44:10 to 2022-07-14T01:07:52 (RON[1-385] 129 to 130). SRAL STC and NTC production gaps for sensing times 2022-07-13T20:03:23 to 2022-07-14T01:07:52 (RON[1-385] 128 to 130) are expected.				data-degraded
21/07/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
AUGUST								
09/08/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
12/08/2022	Spacecraft-special-operation		x	NRT products are subject to degradation during these updated times: OLCI - 08:42 to 08:49; SLSTR IR Channels - 07:58 to 08:49; SLSTR VIS Channels - 08:31 to 08:49. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-08-12T06:39 to 2022-08-12T10:02. SRAL STC and NTC production gaps for sensing times 2022-08-12T06:39 to 2022-08-12T10:02 are expected.				data-degraded
25/08/2022	Manoeuvre	x		S3A Out-of-plane-manoeuvre				data-degraded, manoeuvre
SEPTEMBER								
05/09/2022	Instrument-special-operation	x		The instrument will be patched to apply OLTC v6.2 on-board. The unit will be operated in SAR Closed-Loop mode for the duration of the patching activity, resulting in some degraded data: Minimal impact on ocean, in-land water data is further impacted, including data loss due to the acquisition mode. Additional outages will be experienced during mode changes and restarts and are projected as follows: 06/09/2022 08:36 - 08:48, 06/09/2022 13:35 - 13:45, 07/09/2022 08:10 - 08:22, 07/09/2022 11:28 - 11:41				data-unavailable
10/09/2022	Spacecraft-special-operation		x	During the OLCI moon observation the following NRT products are subject to degradation during the times listed: OLCI - 2022-09-10T16:54:43 to 17:03:55; SLSTR IR Channels -2022-09-10T16:13:25 to 17:03:55; SLSTR VIS Channels - 2022-09-10T16:45:58 to 17:03:55. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-09-10T15:12:39 to 2022-09-10T18:32:18 (RON[1-385] 339 to 340). SRAL STC and NTC production gaps for sensing times 2022-09-10T13:33:04 to 2022-09-10T18:32:18 (RON[1-385] 338 to 340) are expected.				data-degraded
12/09/2022	Instrument-special-operation		x	The instrument will be patched to apply OLTC v3.2 on-board. The unit will be operated in SAR Closed-Loop mode for the duration of the patching activity, resulting in some degraded data: Minimal impact on ocean, in-land water data is further impacted, including data loss due to the acquisition mode. Additional outages will be experienced during mode changes and restarts and are projected as follows: 13/09/2022 08:14 - 08:16, 13/09/2022 13:14 - 13:16, 14/09/2022 09:28 - 09:31, 14/09/2022 12:50 - 12:56				data-degraded
21/09/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
22/09/2022	Instrument-special-operation	x		SRAL in Standby to allow patch of min Ku-band attenuation setting in RAM.				data-unavailable
OCTOBER								
06/10/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
06/10/2022	Manoeuvre		x	S3B Out-of-plane-manoeuvre				data-degraded, manoeuvre
10/10/2022	Spacecraft-special-operation		x	During the OLCI lunar observation the following NRT products are subject to degradation during the times listed: OLCI - 08:18 to 08:25; SLSTR IR Channels 07:35 to 08:25; SLSTR VIS Channels - 08:08 to 08:25. SRAL NRT products are subject to be degraded and gaps can be experienced from sensing times 2022-10-10T07:13 to 2022-10-10T08:54. SRAL STC and NTC production gaps for sensing times 2022-10-10T05:31 to 2022-10-10T08:54 (RON[1-385] 376 to 377) are expected.				data-degraded
20/10/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
31/10/2022	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
NOVEMBER								
02/11/2022	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre



S3 Altimetry Anomalies and Events

YEAR 2021

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
JANUARY								
13/01/2021	Manoeuvre		x	S3B In-plane-manoevrue				data-degraded, manoeuvre
27/01/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
27/01/2021	Data Gap	x		S3A Data gap from 22:22:56 to 2021/01/30 22:45:23 -- Following MPMF Maintenance;	SIIMPC-4970			missing-data
27/01/2021	Data Gap		x	S3B Data gap from 22:33:55 to 2021/01/31 00:37:21 -- Following MPMF Maintenance;	SIIMPC-4968			missing-data
27/01/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
FEBRUARY								
03/02/2021	Manoeuvre		x	S3B Out-of-plane-manoevrue				data-degraded, manoeuvre
03/02/2021	Data Gap		x	S3B Data gap from 00:09:16 to 00:59:47 -				missing-data
03/02/2021	Manoeuvre		x	S3B Out-of-plane-manoevrue				data-degraded, manoeuvre
11/02/2021	Data Gap	x		S3A Data gap from 14:06:29 to 15:46:04 - https://cophub.copernicus.eu/news/News00546 - Ground segment anomaly;	SIIMPC-4931			missing-data
MARCH								
17/03/2021	Manoeuvre	x		S3A Out-of-plane-manoevrue				data-degraded, manoeuvre
APRIL								
14/04/2021	Manoeuvre		x	S3B Out-of-plane-manoevrue				data-degraded, manoeuvre
MAY								
10/05/2021	Data Gap		x	S3B Data gap from 23:54:25 to 2021/05/11 01:35:25 - Connectivity issue. LOP_IPF invalid ephemeris in xfdumanifest. NRT/STC/NTC Gap;	SIIMPC-5089	S3PDGS-44966 S3PDGS-45056 S3PDGS-45201	PDGSANOM-7834	missing-data
19/05/2021	Manoeuvre		x	S3B In-plane-manoevrue				data-degraded, manoeuvre
25/05/2021	Instrument-calibration		x	Instrument-calibration				data-unavailable
JUNE								
01/06/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
JULY								
02/07/2021	Data Gap	x		S3A Data gap from 22:28:38 to 23:19:09 - SIIMPC-5240/- S3A Gap, Input no more available. Can't be recovered.;	SIIMPC-5240	S3PDGS-46012		missing-data
14/07/2021	Data Gap	x		S3A Data gap from 22:49:27 to 23:01:32 - SIIMPC-5214 /- Little gap at L0;		S3PDGS-45833 S3PDGS-45789		missing-data
21/07/2021	Manoeuvre		x	S3B In-plane-manoevrue				data-degraded, manoeuvre
23/07/2021	Instrument-calibration		x	Instrument-calibration				data-unavailable
AUGUST								
10/08/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
16/08/2021	Instrument-special-operation		x	The instrument will be patched to apply OLTC v3.1 on-board. The unit will operate in SAR Closed-Loop mode for the duration of the patching activity, resulting in degraded data. Outages will be experienced during mode changes and restarts and are projected as follows: 17/08/2021 10:57 - 10:59, 18/08/2021 08:51 - 08:53, 18/08/2021 10:31 - 10:34, 18/08/2021 12:11 - 12:21				data-degraded
SEPTEMBER								
08/09/2021	Manoeuvre	x		S3A Out-of-plane-manoevrue				data-degraded, manoeuvre
29/09/2021	Manoeuvre		x	S3B In-plane-manoevrue				data-degraded, manoeuvre
OCTOBER								
20/10/2021	Manoeuvre		x	S3B Out-of-plane-manoevrue				data-degraded, manoeuvre
NOVEMBER								
04/11/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
30/11/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
DECEMBER								
01/12/2021	Manoeuvre		x	S3B In-plane-manoevrue				data-degraded, manoeuvre
03/12/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
07/12/2021	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
15/12/2021	Manoeuvre	x		S3A Out-of-plane-manoevrue				data-degraded, manoeuvre
17/12/2021	Instrument-calibration	x		Instrument-calibration				data-unavailable



S3 Altimetry Anomalies and Events

YEAR 2020

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
JANUARY								
21/01/2020	Data Gap	x		S3A Data gap from 22:50:05 to 23:00:51 - probably related to ice or water part	SIIIMPC-4112	S3PDGS-35072		missing-data
27/01/2020	Instrument-special-operation	x		Instrument-special-operation				data-unavailable
29/01/2020	Instrument-special-operation	x		Instrument-special-operation				data-unavailable
FEBRUARY								
05/02/2020	Manoeuvre		x	S3B Out-of-plane-manoeuvre				data-degraded, manoeuvre
27/02/2020	Data Gap	x		S3A Data gaps - SciHub News00665 - Ground segment anomaly. Delay or loss of data due to low X-band signal during acquisition.		S3PDGS-35916	PDGSANOM-5760	missing-data
27/02/2020	Data Gap		x	S3B Data gaps - SciHub News00665 - Ground segment anomaly. Delay or loss of data due to low X-band signal during acquisition.		S3PDGS-35916	PDGSANOM-5760	missing-data
MARCH								
11/03/2020	Manoeuvre	x		S3A Out-of-plane-manoeuvre				data-degraded, manoeuvre
APRIL								
08/04/2020	Manoeuvre		x	S3B Out-of-plane-manoeuvre				data-degraded, manoeuvre
13/04/2020	Data Gap		x	S3B Data gaps - SciHub News00675 - Issue occurred at Ground Station;	SIIIMPC-4292	S3PDGS-37111 S3PDGS-36959	PDGSANOM-5919	missing-data
14/04/2020	Data Gap	x		S3A Data gaps - SciHub News00675 - Issue occurred at Ground Station ;		S3PDGS-36972	PDGSANOM-5923 PDGSANOM-5924	missing-data
MAY								
27/05/2020	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
JUNE								
15/06/2020	Instrument-special-operation		x	Instrument will be commanded to closed loop [SAR_CL] for an extended period of time. Degraded data can be expected during the event start and stop times. During the operation the instrument will also be commanded to standby for checksum calculations. Additionally towards the end of the activity the instrument will be restarted. Loss of data can be expected during the following date/times: 16/06/2020 08:55 to 08:57; 17/06/2020 08:28 to 08:30; 17/06/2020 10:07 to 10:10; 17/06/2020 13:23 to 13:33				data-unavailable
17/06/2020	Manoeuvre	x		S3A In-plane-manoeuvre				data-degraded, manoeuvre
22/06/2020	Instrument-special-operation		x	The instrument will be commanded to STANDBY for two minutes in support of the activities described in the UNS Announcement #5996				data-unavailable
JULY								
04/07/2020	Instrument-special-operation	x		OLCI Moon calibration				data-unavailable
04/07/2020	Data Gap	x		S3A Data gap from 15:05:18 to 15:55:49 - SciHub News00720 NTC gap due to S3A OLCI Lunar Observation activities;	SIIIMPC-4528	S3PDGS-39541 S3PDGS-38911		missing-data
07/07/2020	Instrument-special-operation	x		The instrument will be switched to ""Standby"" mode for approximately two minutes in order to perform an RDB patch that will support the Sigma Naught transponder operations announced in UNS 5988				data-unavailable
29/07/2020	Manoeuvre		x	S3B In-plane-manoeuvre				data-degraded, manoeuvre
AUGUST								
08/08/2020	Data Gap	x		S3A Data gap from 23:01:45 to 23:15:05 - SciHub News00732 Issue occurred at Ground Segment level SRAL Near Real Time data is missing;	SIIIMPC-4548	S3PDGS-39747	PDGSANOM-6426 PDGSANOM-6427	missing-data
09/08/2020	Data Gap	x		S3A Data gap from 22:39:22 to 22:49:24 - gap is consequence of S3PDGS-39747 and can't be recovered due to the fact that the input has been splitted.;	SIIIMPC-4552	S3PDGS-39831 S3PDGS-39747		missing-data
16/08/2020	Data Gap	x		S3A Data gap from 22:56:01 to 23:07:50 -- Most probably this small gap was characterized by presence of water/ice and as consequence of fragmentation has not been filled.;	SIIIMPC-4567	S3PDGS-40005 S3PDGS-39892		missing-data
SEPTEMBER								
02/09/2020	Manoeuvre	x		S3A Out-of-plane-manoeuvre				data-degraded, manoeuvre
03/09/2020	Data Gap	x		S3A Data gap from 00:15:03 to 01:05:33 - processing in error. Will not be recovered;	SIIIMPC-4670	DGS-40926 S3PDGS-40927		missing-data
OCTOBER								
07/10/2020	Manoeuvre		x	S3B Out-of-plane-manoeuvre				data-degraded, manoeuvre
NOVEMBER								



S3 Altimetry Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
08/11/2020	Data Gap	x		S3A Data gap from 01:40:17 to 03:22:53 -- https://scihub.copernicus.eu/news/News00772 - Antenna failure ;		S3PDGS-41799	PDGSANOM-6825	missing-data
08/11/2020	Data Gap		x	S3B Data gap from 02:17:27 to 04:25:24 -- https://scihub.copernicus.eu/news/News00772 - Antenna failure;		S3PDGS-41799	PDGSANOM-6825	missing-data
25/11/2020	Manoeuvre	x		S3A Out-of-plane-manoevre				data-degraded, manoeuvre
DECEMBER								
02/12/2020	Manoeuvre	x		S3A In-plane-manoevre				data-degraded, manoeuvre
04/12/2020	Instrument-calibration	x		Instrument-calibration				data-unavailable
16/12/2020	Manoeuvre	x		S3A Out-of-plane-manoevre				data-degraded, manoeuvre
16/12/2020	Manoeuvre		x	S3B In-plane-manoevre				data-degraded, manoeuvre



S3 Altimetry Anomalies and Events

YEAR 2019

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
JANUARY								
04/01/2019	Data Gap	x		Data gap from 05:03:53 to 06:10:32 - Copernicus News00445 - Payload Data Ground Segment anomaly				missing-data,anomaly
04/01/2019 to 06/01/2019	Data Gap		x	Data gaps - Copernicus News00445 and Copernicus News00446 - Payload Data Ground Segment anomaly.		S3PDGS-26435		missing-data,anomaly
28/01/2019 to 29/01/2019	Data Gap		x	Data gap from 17:08:34 to 2019/01/29 13:21:49 - Copernicus News00460 - S3B_SAT_UNA_2019_0001 SRAL Anomaly				missing-data,anomaly
FEBRUARY								
13/02/2019	Manoeuvre		x	S3B Out-of-plane-manoeuvre.				data-degraded, manoeuvre
15/02/2019	Instrument Special Operation		x	S3B : Instrument-special-operation. As a consequence of reoccurrence of a known issue with SRAL certain thermal telemetry from unit was not being reported. SRAL unit restarted to resume reporting of thermal telemetry from the unit.				instrument-special-operation
27/02/2019	Manoeuvre	x		S3A In-plane-manoeuvre.				data-degraded, manoeuvre
MARCH								
07/03/2019	Data Gap	x		Data gap from 12:53:38 to 13:21:27 - Copernicus News00488 - S3A_SAT_UNA_2019_0002 - degraded data due to SRAL in closed up with DEM read disabled	SIIIMPC-3465	S3PDGS-27681		degraded, anomaly, missing-data
09/03/2019	Data Gap		x	Data gap from 06:19:25 to 08:04:46 - Copernicus News00492 - antenna failed to set up due to a scheduling error. Data can't be recovered.	SIIIMPC-3468	S3PDGS-27712	PDGSANOM-4471	antenna, missing-data,anomaly
10/03/2019	Data Gap	x		Data gap from 08:13:00 to 09:08:00 - RFI with another spacecraft occurred	SIIIMPC-3469	S3PDGS-27713	PDGSANOM-4475	rfi, missing-data,anomaly
13/03/2019	Manoeuvre	x		S3A Out-of-plane-manoeuvre.				data-degraded, manoeuvre
APRIL								
05/04/2019	Data Gap	x		Data gap from 12:04:18 to 12:56:14 - Copernicus News00510 - Ground Segment Anomaly. Backend issue in the beginning of the pass, so data can't be recovered.	SIIIMPC-3517	S3PDGS-28320		missing-data,anomaly
29/04/2019	Data Gap	x		Data gap from 14:52:09 to 16:41:27 - Copernicus News00519 - pass cancelled on mission request.	SIIIMPC-3561	S3PDGS-28883	PDGSANOM-4660	missing
MAY								
09/05/2019	Instrument Special Operation		x	S3B : Instrument-special-operation. SRAL manually commanded to "Stand by" for ~2 mins in order to change the TC_NAV source from GNSS to DORIS. Degradation of data can be expected for ~2-4 mins after the activity due to manual commanding of SRAL mode transitions (Open loop <-> Close loop)				instrument-special-operation
15/05/2019	Data Degraded	x		PDHU packetstore dump error - Due to a reoccurrence of AR 2202, a sector of SRAL (~479 ISPs) data is expected to have been lost during the dump in Orbit # 16844				data-degraded, pdhu
JUNE								
05/06/2019	Manoeuvre		x	S3B In-plane-manoeuvre.				data-degraded, manoeuvre
13/06/2019	Manoeuvre	x		S3A In-plane-manoeuvre.				data-degraded, manoeuvre
19/06/2019	Manoeuvre		x	S3B Out-of-plane-manoeuvre.				data-degraded, manoeuvre
JULY								
08/07/2019	Data Gap	x		Data gap from 14:46:51 to 19:46:51 - Copernicus News00573 - Antenna FAILURE	SIIIMPC-3743	S3PDGS-30543	PDGSANOM-4918	antenna, missing-data,anomaly
17/07/2019	Data Gap		x	Data gap from 20:14:23 to 21:55:18 - Copernicus News00580 - Issue occurred at Ground Station level.	SIIIMPC-3768	S3PDGS-30764	PDGSANOM-4967	missing-data,anomaly
AUGUST								
28/08/2019	Manoeuvre		x	S3B In-plane-manoeuvre.				data-degraded, manoeuvre
28/08/2019	Manoeuvre	x		S3A Out-of-plane-manoeuvre.				data-degraded, manoeuvre
SEPTEMBER								
05/09/2019	Data Gap	x		Data gap from 05:51:10 to 07:37:11 - Copernicus News00594 - Issue on Ground Station Level		S3PDGS-31884	PDGSANOM-5122	missing-data,anomaly
17/09/2019	Data Gap		x	Data gap from 20:34:06 to 20:58:38 - Copernicus News00580 - Not a gap of data - consequence of fragmentation	SIIIMPC-3856	S3PDGS-32275 S3PDGS-32157 S3PDGS-32189		missing-data
20/09/2019	Data Degraded	x	x	GIM ionospheric correction set to DV on 20/09/2019	SIIIMPC-3943			
26/09/2019	Data Degraded		x	PDHU Memory Scrubbing will be enabled on 26/09/2019. Copernicus News00604.		S3PDGS-32384	PDGSANOM-5219	pdhu
26/09/2019	Data Gap		x	Data gap from 08:43:55 to 11:22:39 - Copernicus News00608 - Scheduled maintenance on S3B. Payload passivated, no science data generated				missing-data



S3 Altimetry Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
26/09/2019	Data Gap		x	Data gap from 13:02:34 to 13:19:32 - Copernicus News00604 - PDHU behaviour unexpected during dump. Consequence of on board activities. NRT, STC completely missed.				missing-data
OCTOBER								
09/10/2019	Data Degraded	x		PDHU packetstore dump error - Due to a reoccurrence of AR 2202, a sector of SRAL (~479 ISPs) data is expected to have been lost during the dump in Orbit # 18970.				data-degraded, pdhu
10/10/2019	Manoeuvre		x	S3B In-plane-manoevrue. Two IP manoeuvres performed				data-degraded, manoeuvre
10/10/2019	Data Degraded		x	Copernicus News00612 - Degraded data following collision avoidance manoeuvres				data-degraded
15/10/2019	Instrument-special-operation	x		S3A_SAT_UNA_2019_0007 - SRAL cross-calibration manoeuvre. Data degraded from 06:15 to 06:42 due to spacecraft attitude changes				data-degraded
16/10/2019	Manoeuvre		x	S3B Out-of-plane manoeuvre.				data-degraded, manoeuvre
30/10/2019	Data Gap	x		Data gap from 05:24:49 to 07:11:20 - Copernicus News00618 - Ground segment anomaly		S3PDGS-33148	PDGSANOM-5332	missing-data
NOVEMBER								
12/11/2019	Data Gap	x		Data gap from 08:09:19 to 09:04:17 - Acquisition issue due to RFI.		S3PDGS-33434	PDGSANOM-5384	missing-data
27/11/2019	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
DECEMBER								
11/12/2019	Instrument-calibration	x		Instrument-calibration				data-unavailable
11/12/2019	Manoeuvre	x		S3A Out-of-plane-manoevrue				data-degraded, manoeuvre
18/12/2019	Manoeuvre		x	S3B In-plane-manoevrue				data-degraded, manoeuvre



S3 Altimetry Anomalies and Events

YEAR 2018

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
JANUARY								
01/01/2018	Data Gap	x		Data gap from 03:35:18 to 05:23:56 - Copernicus News00263 - Antenna anomaly - Lost data				missing
FEBRUARY								
28/02/2018	Manoeuvre	x		S3A In-plane-manoevrue.				data-unavailable, manoeuvre
MARCH								
14/03/2018	Manoeuvre	x		S3A Out-of-plane-manoevrue.				data-unavailable, manoeuvre
17/03/2018	Data Gap	x		Data gap from 12:59:21 to 14:39:39 - Ground-segment-anomaly				missing anomaly
APRIL								
05/04/2018 to 06/04/2018	Data Gap	x		Data gap from 23:15:03 to 2018/04/06 00:05:41 and Data gap from 15:14:33 to 16:05:21				missing
25/04/2018	Information		x	S3B Launch				launch
30/04/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
MAY								
01/05/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
02/05/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
04/05/2018	Manoeuvre		x	S3B Out-of-plane-manoevrue				manoeuvre
07/05/2018	Information		x	S3B MWR switch ON				mwr, switch-on
08/05/2018	Information		x	SRAL switch ON. (LRM close loop mode)				sral, switch-on
08/05/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
08/05/2018	Information		x	S3B Altimeter mode change				sral, mode-change
10/05/2018	Manoeuvre		x	S3B Out-of-plane-manoevrue				manoeuvre
11/05/2018 to 30/05/2018	Data Gap		x	Multiple data gaps				missing
15/05/2018	Information		x	S3B MWR Radiometer mode change				mwr, mode-change
24/05/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
24/05/2018	Manoeuvre	x		S3A In-plane-manoevrue.				data-unavailable, manoeuvre
29/05/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
30/05/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
JUNE								
02/06/2018	Data Gap	x		Data gap from 08:53:05 to 09:43:35 - Ground segment anomaly		S3PDGS-23337		missing anomaly
03/06/2018	Data Gap		x	Data gap from 10:56:54 to 12:38:32				missing
05/06/2018	Manoeuvre		x	S3B Out-of-plane-manoevrue				manoeuvre
06/06/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
07/06/2018	Information		x	S3B Altimeter mode change				sral, mode-change
08/06/2018	Data Gap		x	Data gap from 01:58:41 to 05:27:12				missing
13/06/2018	Data Gap		x	Data gap from 15:00:59 to 15:51:30 - Ground segment anomaly		S3PDGS-23117		missing anomaly
25/06/2018	Data Gap		x	Data gap from 20:43:14 to 21:33:45 - Ground segment Anomaly	SIIMPC-2895	S3PDGS-23289		missing anomaly
30/06/2018	Data Gap		x	Data gap from 15:10:21 to 16:01:12 - Ground segment anomaly		S3PDGS-23286	PDGSANOM-3432	missing anomaly
JULY								
04/07/2018	Data Gap	x		Data gap from 22:25:34 to 2018/07/05 00:26:45 - Ground segment anomaly				missing anomaly
11/07/2018	Information		x	S3B Altimeter mode change				sral, mode-change
AUGUST								
01/08/2018	Manoeuvre	x		S3A In-plane-manoevrue.				data-degraded, manoeuvre
08/08/2018	Information		x	S3B Altimeter mode change				sral, mode-change
10/08/2018	Manoeuvre		x	S3B In-plane-manoevrue				manoeuvre
22/08/2018	Data Gap	x		Data gap from 11:23:10 to 13:04:21 - Problem at the CGS (the antenna failed to position correctly). Orbit 13087 has been completely lost.(PDGSANOM-3665)			PDGSANOM-3665	missing anomaly
23/08/2018	Manoeuvre		x	S3B In-plane-manoevrues				manoeuvre
29/08/2018	Manoeuvre	x		S3A Out-of-plane-manoevrue.				data-degraded, manoeuvre
30/08/2018	Manoeuvre		x	S3B Out-of-plane-manoevrue				manoeuvre
SEPTEMBER								
04/09/2018	Data Gap		x	Data gap from 03:12:07 to 07:27:55 - SRAL orbit calibration sequence		S3PDGS-24511		missing calibration



S3 Altimetry Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
05/09/2018	Information		x	S3B Altimeter mode change				sral, mode-change
OCTOBER								
02/10/2018	Information		x	S3B Altimeter mode change				sral, mode-change
16/10/2018	Information		x	End of the tandem phase the 16th of october and start of the drift phase.				tandem, drift
16/10/2018	Manoeuvre		x	S3B In-plane-manoevure				manoeuvure
24/10/2018	Manoeuvre		x	S3B In-plane-manoevure				manoeuvure
26/10/2018	Data Gap		x	Data gap from 08:07:24 to 08:19:36 - Gap due to S3B drift phase	SIIIMPC-3140	S3PDGS-25612 S3PDGS-22446		missing drift
29/10/2018	Manoeuvre		x	S3B In-plane-manoevure				manoeuvure
31/10/2018	Information		x	S3B Altimeter mode change				sral, mode-change
31/10/2018	Data Gap		x	Data gap from 09:14:12 to 09:25:08 - Sentinel-3B Unavailability No2018/0009				missing
NOVEMBER								
01/11/2018	Data Gap		x	Data gap from 15:18:53 to 15:33:00 - Gap due to S3B drift phase	SIIIMPC-3144	S3PDGS-25612 S3PDGS-22446		missing drift
04/11/2018	Manoeuvre		x	S3B In-plane-manoevure. Return manoeuvure				manoeuvure
04/11/2018 to 12/11/2018	Data Gap		x	Data gaps - Gaps due to S3B drift phase	SIIIMPC-3152	S3PDGS-25612 S3PDGS-22446		missing drift
20/11/2018	Data Gap		x	Data gaps from 11:41:34 to 16:05:10 - Final manoeuvres of drift phase	SIIIMPC-3214			missing drift manoeuvure
20/11/2018	Manoeuvre		x	S3B In-plane-manoevures				manoeuvure
22/11/2018	Manoeuvre		x	S3B In-plane-manoevure				manoeuvure
22/11/2018	Data Gap		x	Data gap from 09:36:59 to 14:08:29 - Ground segment anomaly	SIIIMPC-3232	S3PDGS-25813		missing anomaly
23/11/2018	Manoeuvre		x	S3B In-plane-manoevure				manoeuvure
23/11/2018	Data Gap		x	Data gaps - Copernicus News00422 Anomaly following manoeuvure on 2018/11/22	SIIIMPC-3232			missing manoeuvure
26/11/2018	Ground segment Anomaly	x		S3A : [Service Alert] ground-segment-anomaly.				anomaly
27/11/2018	Manoeuvre		x	S3B In-plane-manoevure and S3B Altimeter mode change				manoeuvure
28/11/2018	Manoeuvre	x		S3A In-plane-manoevure.				data-degraded, manoeuvure
DECEMBER								
01/12/2018	Data Gap	x		Data gap from 05:58:44 to 07:44:33 - Copernicus News00425 - Due to an anomaly occurring at the Svalbard ground station on 1 December 2018, the following Copernicus Sentinel-3A & 3B user products in NRT are missing S3A, passes from 14522 to 14524 (from sensing time 2018/12/01 02				missing anomaly
11/12/2018	Instrument Special Operation		x	S3B : [Planned Maintenance] instrument-special-operation. Degraded quality for all products can be expected during the following times: 08.35.00 to 08.55.00				data-degraded
12/12/2018	Manoeuvre		x	S3B Out-of-plane-manoevure.				data-degraded, manoeuvure
19/12/2018	Manoeuvre	x		S3A Out-of-plane-manoevure.				data-degraded, manoeuvure
20/12/2018	Instrument Special Operation		x	S3B Instrument-special-operation SRAL data will be unavailable during this time.				data-degraded
28/12/2018	Data Gap	x		Data gap from 12:35:06 to 14:25:05 - Antenna issue at Svalbard. S3A data for orbit #14913 unavailable and cannot be recovered		S3PDGS-26350	PDGSANOM-4276 PDGSANOM-4277	missing anomaly



S3 Altimetry Anomalies and Events

YEAR 2017

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
JANUARY								
10/01/2017	Ground segment maintenance	x		S3A Ground-segment-maintenance.				ground-segment-maintenance
21/01/2017	Data Gap	x		Data gap from 11:08:41 to 11:59:54				missing-data
24/01/2017	Data Gap	x		Data gap from 12:22:21 to 13:13:21				missing-data
FEBRUARY								
23/02/2017	Manoeuvre	x		S3A In-plane-manoevrue.				data-degraded, manoeuvre
27/02/2017 to 28/02/2017	Data Gap		x	Multiple Data gaps				missing-data
28/02/2017	Data Gap		x	Data gap from 10:33:52 to 2018/05/11 08:17:17				missing-data
MARCH								
02/03/2017	Ground segment maintenance	x		S3A Ground-segment-maintenance.				data-degraded
15/03/2017	Manoeuvre	x		S3A Out-of-plane-manoevrue.				data-degraded, manoeuvre
APRIL								
27/04/2017	Manoeuvre	x		S3A In-plane-manoevrue.				data-degraded, manoeuvre
MAY								
10/05/2017 to 11/05/2017	Data Gap	x		Data gap from 10/05/2017 20:58:56 to 21:33:57 and Data gap from 11/05/2017 04:29:42 to 04:53:47				missing-data
23/05/2017	Manoeuvre	x		S3A In-plane-manoevrue				data-degraded, manoeuvre
JUNE								
JULY								
12/07/2017	Manoeuvre	x		S3A In-plane-manoevrue.				data-degraded, manoeuvre
25/07/2017 to 26/07/2017	Data Gap	x		Multiple Data gaps				missing-data
AUGUST								
15/08/2017	Ground segment Anomaly	x		S3A Ground-segment-anomaly				anomaly
SEPTEMBER								
01/09/2017	Data Gap	x		Data gap from 14:37:08 to 16:26:25 - EUM/Sen3/AR/3622 - No Granules and HKTM file received for orbit #8027	SIIIMPC-2040	S3PDGS-17355	PDGSANOM-2469	missing-data
06/09/2017	Manoeuvre	x		S3A Out-of-plane-manoevrue.				data-unavailable, manoeuvre
27/09/2017	Manoeuvre	x		S3A In-plane-manoevrue.				data-unavailable, manoeuvre
OCTOBER								
31/10/2017	Data Gap	x		Data gap from 23:09:28 to 2017/11/01 00:03:43 -				missing-data
NOVEMBER								
14/11/2017	Data Gap	x		Data gap from 11:08:46 to 12:50:26 - Copernicus News00247 Ground Segment anomaly				missing-data anomaly
29/11/2017	Manoeuvre	x		S3A In-plane-manoevrue.				data-unavailable, manoeuvre
DECEMBER								
13/12/2017	Manoeuvre	x		S3A Out-of-plane-manoevrue.				data-unavailable, manoeuvre



S3 Altimetry Anomalies and Events

YEAR 2016

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
JANUARY								
FEBRUARY								
16/02/2016	Information	x		S3A Launch				launch
22/02/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
23/02/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
24/02/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
26/02/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
MARCH								
01/03/2016 to 14/03/2016	Data Gap	x		Data gap from 11:11:17 to 12:01:09 - PERIOD - Missing L0 Products for SRAL (related to big gaps in sensing). Correction in processing sequence.		S3PDGS-4545 S3PDGS-4689	PDGSANOM-1019	missing-data
02/03/2016	Manoeuvre	x		S3A In-plane-manoevres				manoeuvre
07/03/2016	Manoeuvre	x		S3A Out-of-plane-manoevre				manoeuvre
12/03/2016	Information	x		Beginning of first complete cycle, numbered 002				
13/03/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
14/03/2016 to 10/06/2016	Data Gap	x		Multiple gaps				missing-data
21/03/2016	Manoeuvre	x		S3A Out-of-plane-manoevre				manoeuvre
23/03/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
APRIL								
13/04/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
19/04/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
MAY								
JUNE								
02/06/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
13/06/2016	Data Gap	x		Multiple Data gaps				missing-data
18/06/2016	Data Gap	x		Data gap from 07:23:08 to 08:16:35				missing-data
21/06/2016	Data Gap	x		Multiple data gaps - PERIOD - reprocessed NTC LAND L2 missing products. Gaps granules not available from ESA nor EUMETSAT are observed. Several of these gaps are known as due to on-board anomalies or missing/lost data 20160616, 20160618, 20160621, 20160623, 20160718		S3PDGS-17275		missing-data
JULY								
02/07/2016 to 08/07/2016	Data Gap	x		Multiple Data gaps				missing-data
10/07/2016 to 11/07/2016	Data Gap	x		Multiple Data gaps				missing-data
15/07/2016 to 20/07/2016	Data Gap	x		Multiple Data gaps				missing-data
21/07/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
27/07/2016 to 28/07/2016	Data Gap	x		Data gap from 27/07/2016 10:33:54 to 13:04:15 and data gap from 28/07/2016 06:45:44 to 09:16:58				missing-data
AUGUST								
04/08/2016	Data Gap	x		Data gap from 07:51:08 to 09:35:55 and Data gap from 12:07:24 to 12:58:32				missing-data
08/08/2016	Data Gap	x		Data gap from 12:03:40 to 14:32:16				missing-data
13/08/2016	Data Gap	x		Data gap from 13:14:43 to 14:03:01				missing-data
31/08/2016	Manoeuvre	x		S3A Out-of-plane-manoevre				manoeuvre
SEPTEMBER								
04/09/2016 to 05/09/2016	Data Gap	x		Multiple Data gaps				missing-data
19/09/2016 to 20/09/2016	Data Gap	x		Multiple Data gaps				missing-data
22/09/2016	Manoeuvre	x		S3A In-plane-manoevre				manoeuvre
OCTOBER								
09/10/2016	Data Gap	x		Data gap from 03:31:15 to 04:24:56 -				missing-data



S3 Altimetry Anomalies and Events

Date(s)	Event	Satellite		Description / Impact	ACRI JIRA ID	OME JIRA ID	CAMS ID	Key words
		S3A	S3B					
10/10/2016	Data Gap	x		Data gap from 06:27:02 to 07:18:34 -				missing-data
12/10/2016	Data Gap	x		Data gap from 11:27:13 to 12:18:37 -				missing-data
13/10/2016	Data Gap	x		Data gap from 16:55:24 to 17:30:33 -				missing-data
16/10/2016	Data Gap	x		Data gap from 04:36:18 to 05:30:56 -				missing-data
18/10/2016	Data Gap	x		Data gap from 14:44:29 to 15:07:09 -				missing-data
20/10/2016	Data Gap	x		Multiple Data gaps				missing-data
21/10/2016	Data Gap	x		Multiple Data gaps - PERIOD - Low production of L1/L2 NTC @STM on DOY 295. Wrong deployed configuration file - Interruption of all NTC/STC production		S3PDGS-11300 S3PDGS-11268		missing-data
27/10/2016 to 28/10/2016	Data Gap	x		Data gap from 23:26:12 to 2016/10/28 00:16:45				missing-data
NOVEMBER								
01/11/2016	Data Gap	x		Data gap from 17:53:22 to 18:43:52				missing-data
01/11/2016	Manoeuvre	x		S3A In-plane manoeuvre.				manoeuvre
02/11/2016	Data Gap	x		Data gap from 20:49:10 to 21:39:40 -				missing-data
04/11/2016	Data Gap	x		Data gap from 04:43:40 to 05:38:25 -				missing-data
07/11/2016	Data Gap	x		Data gap from 06:00:51 to 06:52:39 -				missing-data
13/11/2016 to 17/11/2016	Data Gap	x		Multiple Data gaps				missing-data
17/11/2016	Instrument calibration	x		S3A Instrument-calibration.				instrument-calibration
25/11/2016	Data Gap	x		Multiple Data gaps				missing-data
29/11/2016	Instrument calibration	x		S3A Instrument-calibration				instrument-calibration
30/11/2016	Data Gap	x		Data gap from 00:10:35 to 00:45:15 and Data gap from 04:23:37 to 04:53:38				missing-data
DECEMBER								
01/12/2016	Manoeuvre	x		S3A In-plane manoeuvre.				manoeuvre
07/12/2016	Instrument-maintenance	x		S3A Instrument-maintenance. As part of the OLCI solar diffuser characterisation campaign, a number of calibrations will be performed at specific geometries which require a yaw bias. Degraded quality for all products can be expected during the following times: 07-Dec-2016 06:22:58 to 06:41:26				data-degraded, manoeuvre
08/12/2016	Data Gap	x		Data gap from 11:50:34 to 12:41:05				missing-data
11/12/2016	Data Gap	x		Data gap from 05:24:32 to 06:19:34				missing-data
13/12/2016	Data Gap	x		Data gap from 19:45:35 to 20:36:06				missing-data
14/12/2016	Manoeuvre	x		S3A Out-of-plane-manoevrue.				data-degraded, out-of-plane-manoevrue
23/12/2016	Data Gap	x		Data gap from 17:04:45 to 17:55:16				missing-data
31/12/2016	Data Gap	x		Data gap from 23:41:00 to 2017/01/01 00:31:43				missing-data