

Title:

S-1A Products generated without AUX_RESORB between 10 April 14:00 UTC to 11 April 07:00 UTC 2019

Description:

On 10th and 11th April 2019, S-1A products were processed without Restituted Orbit Files. This induces a minor degradation in the geolocation accuracy of these products.

The identification of impacted products can be done based on the following matching conditions (all matching):

- Acquisition dates (see below)
- Processing dates (see below)
- Product types (see below)
- No AUX_RESORB is mentioned in the product manifest

The complete list of impacted products (by their names) is provided below.

Degradation types:

- | | |
|---|--|
| <input type="checkbox"/> DEGRADED_PRODUCT_RADIOMETRY | <input checked="" type="checkbox"/> DEGRADED_PRODUCT_GEOLOCATION |
| <input type="checkbox"/> DEGRADED_RADIOMETRIC_CALIBRATION | <input type="checkbox"/> DEGRADED_PLATFORM_POINTING |
| <input type="checkbox"/> DEGRADED_ORBIT_CONTROL | <input type="checkbox"/> DEGRADED_PERFORMANCE_INSTRUMENT_ANOMALY |
| <input type="checkbox"/> COMPLETE_PRODUCT_DEGRADATION | <input type="checkbox"/> SLICE_PRODUCT_NON_CONCATENABLE |
| <input type="checkbox"/> DEGRADED_PHASE | <input type="checkbox"/> OTHER |

Degradation percentage¹:

10%

Impacted products:

- | | | | | | |
|-----------------------------|--|--|--|--|-----------------------------|
| Platform: | <input checked="" type="checkbox"/> S-1A | <input type="checkbox"/> S-1B | | | |
| Acquisition mode: | <input checked="" type="checkbox"/> EW | <input checked="" type="checkbox"/> IW | <input checked="" type="checkbox"/> SM | <input checked="" type="checkbox"/> WV | <input type="checkbox"/> RF |
| Product type: | <input type="checkbox"/> RAW | <input checked="" type="checkbox"/> SLC | <input checked="" type="checkbox"/> GRD | <input type="checkbox"/> OCN | |
| Resolution class: | <input type="checkbox"/> MR | <input checked="" type="checkbox"/> HR | <input type="checkbox"/> FR | <input type="checkbox"/> N/A | |
| Polarization: | <input checked="" type="checkbox"/> SH (Single pol. H) | <input checked="" type="checkbox"/> SV (Single pol. V) | <input checked="" type="checkbox"/> DV (Double pol. V) | | |
| | <input checked="" type="checkbox"/> DH (Double pol. H) | <input checked="" type="checkbox"/> PAC2 / DPA | | | |
| Processing facility: | <input checked="" type="checkbox"/> PAC1 / UPA | <input checked="" type="checkbox"/> CGS2 / Svalbard | <input type="checkbox"/> CGS3 / Maspalomas | | |
| | <input type="checkbox"/> CGS1 / Matera | | | | |

IPF version: N/A

Instrument Configuration ID (RDB): N/A

ADF files:

AUX_INS	N/A
AUX_CAL	N/A
AUX_PP1	N/A
AUX_PP2	N/A
AUX_SCS	N/A

Beginning of the issue:

Start acquisition date: 2019-04-10 12:37:43 UTC
 Start generation date: 2019-04-10
 Orbit: N/A
 Datatake (hex): 030055

¹ Percentage of degradation of the data in the product (100% means that the product should be masked in the product catalogue)

End of the issue:

not yet defined available

End acquisition date 2019-04-10 20:05:28 UTC

End generation date: 2019-04-10

Orbit: N/A

Datatake (hex): 030081

Cause:

Unavailability of RESORB information at the time of the initial production.

Status:

The accuracy in geolocation of products processed in such configuration is under investigation. In any case, the impact is expected to be low. In order to maintain the consistency on geolocation performance over the whole S-1 dataset, the affected products (see attached list) will be reprocessed.

References:

- **MPC ref:** MPCS-2023
- **PDGS ref:** S1PDGS-90930
- **ARTS ref:** PDGSANOM-4595

Appendix
List of S1A impacted products:

S1A_IW_SLC__1SDV_20190410T123743_20190410T123813_026728_030055_05C6.SAFE
S1A_IW_GRDH_1SDV_20190410T123743_20190410T123812_026728_030055_3D1A.SAFE
S1A_IW_SLC__1SDV_20190410T123811_20190410T123839_026728_030055_638F.SAFE
S1A_IW_GRDH_1SDV_20190410T123812_20190410T123837_026728_030055_AD67.SAFE
S1A_IW_SLC__1SDV_20190410T123836_20190410T123903_026728_030055_3716.SAFE
S1A_IW_GRDH_1SDV_20190410T123837_20190410T123902_026728_030055_3498.SAFE
S1A_IW_SLC__1SDV_20190410T123901_20190410T123928_026728_030055_1813.SAFE
S1A_IW_GRDH_1SDV_20190410T123902_20190410T123927_026728_030055_9E0F.SAFE
S1A_IW_SLC__1SDV_20190410T123926_20190410T123953_026728_030055_75E5.SAFE
S1A_IW_GRDH_1SDV_20190410T123927_20190410T123952_026728_030055_37FC.SAFE
S1A_IW_SLC__1SDV_20190410T123951_20190410T124018_026728_030055_FD5B.SAFE
S1A_IW_GRDH_1SDV_20190410T123952_20190410T124017_026728_030055_CCE5.SAFE
S1A_IW_SLC__1SDV_20190410T124016_20190410T124044_026728_030055_5CF2.SAFE
S1A_IW_GRDH_1SDV_20190410T124017_20190410T124042_026728_030055_7B80.SAFE
S1A_IW_SLC__1SDV_20190410T124042_20190410T124108_026728_030055_8851.SAFE
S1A_IW_GRDH_1SDV_20190410T124042_20190410T124107_026728_030055_ODBF.SAFE
S1A_IW_SLC__1SDV_20190410T124106_20190410T124133_026728_030055_B130.SAFE
S1A_IW_GRDH_1SDV_20190410T124107_20190410T124132_026728_030055_9E29.SAFE
S1A_IW_SLC__1SDV_20190410T124131_20190410T124158_026728_030055_6CE9.SAFE
S1A_IW_GRDH_1SDV_20190410T124132_20190410T124157_026728_030055_AB77.SAFE
S1A_IW_SLC__1SDV_20190410T124156_20190410T124223_026728_030055_E5C1.SAFE
S1A_IW_GRDH_1SDV_20190410T124157_20190410T124222_026728_030055_6273.SAFE
S1A_IW_SLC__1SDV_20190410T124221_20190410T124248_026728_030055_225E.SAFE
S1A_IW_GRDH_1SDV_20190410T124222_20190410T124247_026728_030055_5990.SAFE
S1A_IW_SLC__1SDV_20190410T124246_20190410T124314_026728_030055_07B1.SAFE
S1A_IW_GRDH_1SDV_20190410T124247_20190410T124312_026728_030055_6A28.SAFE
S1A_IW_SLC__1SDV_20190410T124311_20190410T124338_026728_030055_19A5.SAFE
S1A_IW_GRDH_1SDV_20190410T124312_20190410T124337_026728_030055_D5D3.SAFE
S1A_IW_SLC__1SDV_20190410T124336_20190410T124406_026728_030055_5CD4.SAFE
S1A_IW_GRDH_1SDV_20190410T124337_20190410T124406_026728_030055_ED89.SAFE
S1A_WV_SLC__1SSV_20190410T135717_20190410T141411_026728_030060_78A6.SAFE
S1A_IW_SLC__1SDH_20190410T143857_20190410T143927_026729_030063_B4C0.SAFE
S1A_IW_GRDH_1SDH_20190410T143857_20190410T143926_026729_030063_FF17.SAFE
S1A_IW_SLC__1SDH_20190410T143924_20190410T143954_026729_030063_1647.SAFE
S1A_IW_GRDH_1SDH_20190410T143926_20190410T143954_026729_030063_5B83.SAFE
S1A_WV_SLC__1SSV_20190410T153218_20190410T153955_026729_030066_2D1F.SAFE
S1A_WV_SLC__1SSV_20190410T162243_20190410T163050_026730_03006B_B27A.SAFE
S1A_IW_SLC__1SDV_20190410T163129_20190410T163159_026730_03006C_30B7.SAFE
S1A_IW_GRDH_1SDV_20190410T163129_20190410T163158_026730_03006C_1EEF.SAFE
S1A_IW_SLC__1SDV_20190410T163157_20190410T163224_026730_03006C_1BF7.SAFE
S1A_IW_GRDH_1SDV_20190410T163158_20190410T163223_026730_03006C_8959.SAFE
S1A_IW_SLC__1SDV_20190410T163222_20190410T163249_026730_03006C_DC2D.SAFE
S1A_IW_GRDH_1SDV_20190410T163223_20190410T163248_026730_03006C_C7BB.SAFE
S1A_IW_SLC__1SDV_20190410T163247_20190410T163316_026730_03006C_4948.SAFE

S1A_IW_GRDH_1SDV_20190410T163248_20190410T163316_026730_03006C_2E58.SAFE
S1A_WV_SLC__1SSV_20190410T163324_20190410T165511_026730_03006D_9876.SAFE
S1A_WV_SLC__1SSV_20190410T172037_20190410T172716_026730_030070_13B7.SAFE
S1A_IW_SLC__1SDH_20190410T174611_20190410T174641_026731_030074_7BB4.SAFE
S1A_IW_GRDH_1SDH_20190410T174611_20190410T174640_026731_030074_0D10.SAFE
S1A_IW_SLC__1SDH_20190410T174639_20190410T174709_026731_030074_99FD.SAFE
S1A_IW_GRDH_1SDH_20190410T174640_20190410T174709_026731_030074_0F20.SAFE
S1A_WV_SLC__1SSV_20190410T180252_20190410T182735_026731_030078_C492.SAFE
S1A_IW_SLC__1SDV_20190410T193810_20190410T193840_026732_03007F_917F.SAFE
S1A_IW_GRDH_1SDV_20190410T193810_20190410T193839_026732_03007F_EDE3.SAFE
S1A_IW_SLC__1SDV_20190410T193838_20190410T193906_026732_03007F_D95B.SAFE
S1A_IW_GRDH_1SDV_20190410T193839_20190410T193904_026732_03007F_B0A6.SAFE
S1A_IW_SLC__1SDV_20190410T193904_20190410T193931_026732_03007F_911B.SAFE
S1A_IW_GRDH_1SDV_20190410T193904_20190410T193929_026732_03007F_9EE9.SAFE
S1A_IW_SLC__1SDV_20190410T193928_20190410T193955_026732_03007F_FD2C.SAFE
S1A_IW_GRDH_1SDV_20190410T193929_20190410T193954_026732_03007F_E7D6.SAFE
S1A_IW_SLC__1SDV_20190410T193953_20190410T194020_026732_03007F_E36D.SAFE
S1A_IW_GRDH_1SDV_20190410T193954_20190410T194019_026732_03007F_C427.SAFE
S1A_IW_SLC__1SDV_20190410T194018_20190410T194045_026732_03007F_2973.SAFE
S1A_IW_GRDH_1SDV_20190410T194019_20190410T194044_026732_03007F_D02E.SAFE
S1A_IW_SLC__1SDV_20190410T194043_20190410T194111_026732_03007F_09A3.SAFE
S1A_IW_GRDH_1SDV_20190410T194044_20190410T194109_026732_03007F_DE87.SAFE
S1A_IW_SLC__1SDV_20190410T194109_20190410T194137_026732_03007F_2F9F.SAFE
S1A_IW_GRDH_1SDV_20190410T194109_20190410T194137_026732_03007F_48EA.SAFE
S1A_IW_SLC__1SDV_20190410T200409_20190410T200438_026732_030081_CB84.SAFE
S1A_IW_GRDH_1SDV_20190410T200409_20190410T200438_026732_030081_6918.SAFE
S1A_IW_SLC__1SDV_20190410T200436_20190410T200504_026732_030081_FDF0.SAFE
S1A_IW_GRDH_1SDV_20190410T200438_20190410T200503_026732_030081_4D45.SAFE
S1A_IW_SLC__1SDV_20190410T200502_20190410T200529_026732_030081_93AA.SAFE
S1A_IW_GRDH_1SDV_20190410T200503_20190410T200528_026732_030081_7D6A.SAFE
S1A_IW_SLC__1SDV_20190410T200527_20190410T200556_026732_030081_D6EF.SAFE
S1A_IW_GRDH_1SDV_20190410T200528_20190410T200556_026732_030081_EA70.SAFE