Amalfi

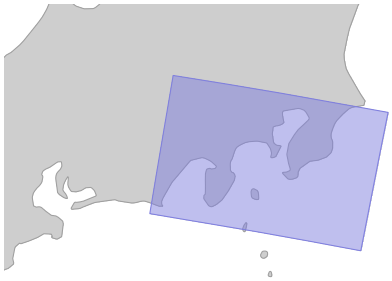
Quality Control Report

2025-09-04T22:33:14

Sentinel-1A Interferometric Wide Swath Level 1S Product
S1A_IW_GRDH_1SDV_20250904T204345_20250904T204410_060843_07935B_02E7.SAFE

Passed

Elapsed time: 0.938s



Platform Name:	SENTINEL-1A
Instrument Name:	Synthetic Aperture Radar
Instrument Mode:	IW-IW
Beginning Date:	2025-09-04T20:43:45.794548
Ending Date:	2025-09-04T20:44:10.792758
Orbit Direction:	DESCENDING
Amalfi Distribution:	v. 3.7
Amalfi S1 Addon:	v. 2.8

All Applicable Inspections Plan (Automatic)

1	**Checks if Processing Category is correctly defined.** *Processing Category is Ok.*	0.434s	**Passed**
2	**Checks if Platform Classification is correctly defined.** *Platform Classification is Ok.*	0.004s	**Passed**
3	**Checks if Orbit Reference Classification is correctly defined.** *Classification ok for : measurementOrbitReference*	0.01s	**Passed**
4	**Checks if Information Category is correctly defined.** *Category ok for : generalProductInformation*	0.008s	**Passed**
5	**Checks if Quality Information Category is correctly defined.** *No Index classification in product.*	0.007s	**Passed**
6	**Checks if Information Classification is correctly defined.** *Classification ok for : generalProductInformation*	0.007s	**Passed**
7	**Checks if Index Classification is correctly defined.** *No Index classification in product.*	0.007s	**Passed**
8	**Checks if Annotation Classification is correctly defined.** *Classification ok for : products1aiwgrdvh20250904t20434520250904t204410060843079 35b002Annotation, noises1aiwgrdvh20250904t20434520250904t204410060843079 35b002Annotation, rfis1aiwgrdvh20250904t20434520250904t204410060843079 35b002Annotation, calibrations1aiwgrdvh20250904t20434520250904t204410060843079 35b002Annotation,*	0.005s	**Passed**

	products1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, noises1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, rfis1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, calibrations1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, mapoverlayAnnotation, productpreviewAnnotation		
9	**Checks if MeasurementFrameSet Classification is correctly defined.** *Classification ok for : measurementFrameSet*	0.006s	**Passed**
10	**Checks if Schema Classification is correctly defined.** *Classification ok for : s1Level1ProductSchema, s1Level1NoiseSchema, s1Level1RfiSchema, s1Level1CalibrationSchema, s1ObjectTypesSchema, s1Level1MeasurementSchema, s1Level1ProductPreviewSchema, s1Level1QuickLookSchema, s1Level1MapOverlaySchema*	0.006s	**Passed**
11	**Checks if MeasurementFrameSet Category is correctly defined.** *Category ok for : measurementFrameSet*	0.005s	**Passed**
12	**Checks if Grid Reference Category is correctly defined.** *No Index classification in product.*	0.006s	**Passed**
13	**Checks if Extra Files are present in product directory.** *No Extra Files found in product directory.*	0.011s	**Passed**
14	**Checks if Acquisition Period is present.** *Acquisition Period exists.*	0.002s	**Passed**
15	**Checks if Processing metadata is present.** *Processing exists.*	0.001s	**Passed**
16	**Checks if Processing Classification is correctly defined.** *Processing Classification is Ok.*	0.002s	**Passed**
17	**Checks if Acquisition Period Classification is correctly defined.** *Acquisition Period Classification is Ok.*	0.001s	**Passed**
18	**Checks if Annotation Category is correctly defined.** *Category ok for : products1aiwgrdvh20250904t20434520250904t20441006084307935b002Annotation, noises1aiwgrdvh20250904t20434520250904t20441006084307935b002Annotation, rfis1aiwgrdvh20250904t20434520250904t20441006084307935b002Annotation, calibrations1aiwgrdvh20250904t20434520250904t20441006084307935b002Annotation, products1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, noises1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, rfis1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, calibrations1aiwgrdvv20250904t20434520250904t20441006084307935b001Annotation, mapoverlayAnnotation, productpreviewAnnotation*	0.006s	**Passed**
19	**Checks if Acquisition Period Category is correctly defined.**	0.001s	**Passed**

	Acquisition Period Category is Ok.		
20	**Checks if all the Id References defined in the product are valid.** *All the Id References defined in the product are valid.*	0.097s	**Passed**
21	**Checks if Schema Category is correctly defined.** *Category ok for : s1Level1ProductSchema, s1Level1NoiseSchema, s1Level1RfiSchema, s1Level1CalibrationSchema, s1ObjectTypesSchema, s1Level1MeasurementSchema, s1Level1ProductPreviewSchema, s1Level1QuickLookSchema, s1Level1MapOverlaySchema*	0.004s	**Passed**
22	**Checks if Platform Category is correctly defined.** *Platform Category is Ok.*	0.001s	**Passed**
23	**Checks if all external references are present in the product directory.** *All external references are present in the product directory.*	0.011s	**Passed**
24	**Checks if Grid Reference Classification is correctly defined.** *No Index classification in product.*	0.004s	**Passed**
25	**Checks if Index Category is correctly defined.** *No Index classification in product.*	0.004s	**Passed**
26	**Checks if Orbit Reference Category is correctly defined.** *Category ok for : measurementOrbitReference*	0.004s	**Passed**
27	**Checks if Quality Information Classification is correctly defined.** *No Index classification in product.*	0.006s	**Passed**
28	**Checks Interferometric Wide Swath product length is no longer than 30 min.** *Interferometric Wide Swath product acquisition in 0 min is acceptable.*	0.013s	**Passed**
29	**Checks pointing status value is Normal Pointing Mode.** *Platform pointing is nominal.*	0.11s	**Passed**
30	**Checks missing lines number is less than 30%.** *No missing lines in the product.*	0.007s	**Passed**
31	**Radio frequency interference (RFI) inspection (EW and IW products).** *No RFI was found at pre-screening and data quality is likely ensured. Residual artefacts might be observed in the unlikely case of misdetection at pre-screening, e.g., due to suboptimum thresholds or absence of RFI in the noise measurements only (typically seen in less than 1% of S1 L1 products in a cycle).*	0.071s	**Passed**
32	**Usage of PgSource Model in level 1S.** *pgSource is extracted.*	0.013s	**Passed**

33	**Number of missing/corrupted elements in level 1S.** *Less than 100 missing or corrupted elements.*	0.013s	**Passed**
34	**Partial Polarisation Products.** *Valid polarisation configuration (single or dual polarisation product).*	0.001s	**Passed**
35	**Flag on missing/corrupted elements in level 1S.** *No significant number of missing lines or data gaps (as annotated by the IPF).*	0.034s	**Passed**
36	**Relative orbit number consistency in Sentinel-1A level 1S.** *Relative orbit number is compliant with absolute orbit number.*	0.007s	**Passed**
37	**Cycle number consistency in Sentinel-1A level 1S.** *Cycle number is compliant with absolute orbit number.*	0.007s	**Passed**