



Title:	Information to the Users regarding the Envisat RA2/MWR IPF version 5.03				
Contract Ref.:	ESA/Esrin 19049/05/I-OL				
Document Ref.:	TBD	Issue:	1	Rev.:	0
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Task 2 DPQC

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Maintenance and Operations of Earth Observation



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Abstract

This document contains the information to be distributed to the user community concerning the operational implementation of the NRT RA2/MWR Level 1b and Level 2 IPF version 5.03

The altimetric products issued from this new version of the ground processing are in line with RA2/MWR product specification Vol. 14 issue 3N.



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1 IPF evolutions

Below are described the IPF evolutions that have impacted the content of the Level 1B and Level 2 data products.

1.1 ENVI-CR-06-0049: S-band anomaly flag

The Flag for S-Band anomaly is well implemented. Users are advised to take advantage of this flag to detect the data affected by the S-band anomaly.

This flag is available:

- Level 1B : in bit 1 of MCD field 14 of L1B-RA2 MDSR
- Level 2 : in bit 7 of MCD field 8 of L2-RA2 MDSR.

1.2 SPR-PLB-RA2-L1b-059 : Correction of the Level 0 Rx_dist_fine

The error in the window delay (for the 80 and 20 MHz bandwidths) that depends on the L0 parameter Rx_dist_fine is now corrected and well implemented.

1.3 OAR 1938 - Orbit Flag on L1b and L2 Data Products

The Orbit quality flag is set in the L1B and L2 data products and can be found at the following locations:

- Level 1B RA2 MDSR : bit 0 of MCD (field 14)
- L1B/L2-MWR MDSR : bit1 of MCD (field 8)
- L2-RA2 MDSR : bit27 of MCD (field 8)

1.4 OAR 1958 - MWR MDSR differences

Differences between the IPF and the reference processor, up to few tenths of degree Kelvin have been found in the Channel 2 brightness temperature. This is now corrected and well implemented.

1.5 OAR 1959 - Peakiness

The peakiness fields (in field 89 for Ku band and field 90 for S band) in the IPF FDMAR product are no more set to default value.