



Status Operational Processor V9

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Overview

- 1 Overview
- 2 DBPM
- 3 Darks
- 4 Spectral Ch. 6+
- 5 Spectral Ch. 8
- 6 Improve Degradation
- 7 Improve Polarisation

WP2160: Individual Pixel characterisation

- Mask was delivered by SRON
- Mask contains for channel 8 a float to characterise quality of pixels (0-1)
- Algorithm uses this mask was implemented in the following way:
 - The original file of SRON is directly used (i.e. no DB in processor)
 - An additional config parameter was added to L0-1 processor to switch on and off the SRON mask
 - The threshold to mark a pixel as bad can be changed in the configuration
 - The threshold for marking a pixel as bad is currently set to 0.1 (this works well with SRON CO retrieval but would have to be tested for SGP retrieval)
- Final testing needs to be done

WP2220: Dark Calibration

- Data received by SRON
- Implementation pending
- Schedule risk: low

WP 2240 Spectral Calibration Channel 6+

- Gencal update done
- Testing not started yet
- Schedule risk: Middle to high

WP 2250: Spectral Calibration Channel 8

- Documentation received from SRON 8.09.
- Analysis of documentation not yet complete
- Schedule risk: low (under the assumption that only a constant set of polynomials need to be incorporated in the DB)

WP2140: Improve Degradation Correction

- Sanity SRON check was finished 11.09.
- Implementation of changes (if any) not started yet

WP2260: Improve Polarisation Correction

- Implementation of GOME-CHEOPS algorithm started (60% complete)
- Needed:
 - Adjustments to use SCIA Q,U (GOME uses fractions)
 - O3 DB
- Schedule risk: low