



Operation Change Request

OCR No: 001

Issue: A

Title: Reduce Moon Occ PETs to 1 s

Description of Request:

Change exposure times for moon occultation states (IDs 56 & 57) from 2 s to 1 s in all channels in order to increase the spatial resolution.
Change should be effective as soon as possible.

Originator: S. Noël

Date of Issue: 11 Feb 2003

Signature: e-mail 11.Feb.03,
S. Noel**Assessment of SSAG (necessary for requests by scientists):**

The change is required to get useful trace gas profiles from lunar occultation with an appropriate height resolution. This is underpinned by first lunar occultation data analysis at IFE.
As currently (Jan. 2003) the season for lunar occultation with the atmosphere in the dark has started, an as soon as possible implementation is strongly recommended.

SSAG:

H. Bovensmann

Date:

11.2.2003

Signature:

Classification of OCR: D

OCR Analysis (incl. Implementation Option):

The required modification can be implemented by changing the PET table for states 56 and 57. It is proposed to also modify the PETs for state 55 (moon_troposphere) and 54 (moon above atmosphere) as well. These suggested changes have already been discussed with and have been agreed by the OCR originator. All PETs (channels 1-8) shall be changed from 32 to 16.

Provided that the approval of the implementation proposal is obtained in time, it is envisaged to generate and submit the associated CTI table prior to March 5th. This should allow the modification to become effective for the next lunar visibility window which runs from March 11th - March 18th.

SOST: M. Gottwald

(ESA, Industry if necessary)

Date: 20-FEB-2003

Signature: e-mail 20.Feb 2003

Approval of Proposed Implementation:

Originator Approval: S. Noel

Date: 21. Feb.2003

Signature: e-mail 21. Feb.2003

SSAG Approval:

H. Bovensmann

Date: 21. Feb.2003

Signature: e-mail 21. Feb.2003

Decision / Approval:

The OCR shall be implemented as described in the OCR Analysis.

DLR Approval: Ch. Chlebek

(if necessary NIVR, SPEC)

Date: 27 Feb.2003

Signature: e-mail 27. Feb.2003

Implementation by SOST :

Pet (LOW and HIGH) for states 54, 55, 56, 57 in all channels changed from old value (2 sec = 32 BCPS) to new value (1 sec = 16 BCPS).

CTI generated for validity in orbit 5358 (10.03.2003; 09.23.50) & transferred together with ROP-checklist-file

SOST E.Krieg

Date: 28.Feb. 2003

Signature: e-mail 28.Feb. 2003