	Operation Change Request	OCR No: 002
SCIAMACHY		Issue: A

Title: Change nadir scan w.r.t. TCFoV anomaly (PR-ID 36)

Description of Request:

As decided during the ARB on 19 Feb 2003 the following changes to all nadir states shall be performed. All angles are given in scanner co-ordinates.

A: Shift centre of scan by 1 deg to the left in order to avoid blocking on right side of TCFoV.
   The scan width and scan speed/duration shall be remained.
   This change shall be effective for one week only.

B: Shift centre of scan by 0.5 deg to the left (w.r.t. current settings).
   Reduce scan width by 1 deg to 31 deg.
   Adapt scan speed appropriately to keep scan duration as before (4 s forward, 1 s backward scan).
   This change shall be effective directly after the measurements described under "A" have been performed.
   This will be the new final flight settings.

Originator: S. Noël	Date of Issue: 20 Feb 2003	Signature: e-mail 20.Feb 2003

Assessment of SSAG (necessary for requests by scientists):
The OCR is recommended for implementation to resolve the PR 36 (nadir west pixel blocking).

SSAG: H. Bovensmann	Date: 20 Feb 2003	Signature: e-mail 20.Feb2003

Classification of OCR: D

OCR Analysis (incl. Implementation Option):
A: change value of ESM_basic profile 1 (used for nadir-states only) from -45° to -46°
B.1: change value of ESM_basic profile 1 (used for nadir-states only) from -46° to -45,5°
B.2: change settings in relative profile 2 (used for nadir-states only) to produce a total scan width of 63°
NOTE: this reduction in scan width will affect all nadir states except nadir pointing.
NOTE: the suitability of B2 has to be verified prior to implementation by simulation.
It is planned set up the simulation this week and to prepare the implementation for the next convenient time slot with the sequence as described above in the request.

SOST: E. Krieg (ESA, Industry if necessary)	Date: 2003-03-11	Signature: e-mail 2003-03-11

Approval of Proposed Implementation:

Originator Approval: S. Noel	Date: 2003-03-14	Signature: e-mail 2003-03-14
SSAG Approval: H. Bovensmann	Date: 2003-03-14	Signature: e-mail 2003-03-14

Decision / Approval:
The OCR shall be implemented as described in the OCR Analysis.

DLR Approval: Ch. Chlebek (if necessary NIVR, SPEC)	Date: 2003-03-17	Signature: e-mail 2003-03-17

Implementation by SOST :
A: basic profile 1 modified   A: start orbit 5656
B.1: basic profile 1 modified   B: start orbit 5771
B.2: relative profile 2 modified
CTI-files transferred to FOCC 2003-03-20

| SOST: E.Krieg | Date: 2003-03-20 | Signature: e-mail 2003-03-21 |