

 SCIAMACHY	<h1>Operation Change Request</h1>		OCR No: 026 Issue: A
Title: Increase number of subsolar pointing measurements			
<p><u>Description of Request:</u> Subsolar pointing measurements (state 53) have proven to be better suitable for long-term monitoring than fast sweep measurements (state 60). Therefore it is requested to increase the number of subsolar pointing measurements from (currently) one measurement per month to at least one or two measurements per week (this should be synchronized with the LLI related operations update). The number of fast sweep measurements may then be reduced, but at least 1 measurement per month should be kept to continue the existing monitoring time series.</p>			
Originator: S. Noël, SOST-IFE	Date of Issue: 04-Apr-2006	Signature: e-mail 4 April 2006	
<p><u>Assessment of SSAG (necessary for requests by scientists):</u> As already discussed at the last SSAG, the proposed change is recommended for implementation. LLI issues needs to be taken into account by SOST.</p>			
SSAG: H. Bovensmann	Date: 5.4.2006	Signature: e-mail, 5.4.2006	
<u>Classification of OCR:</u> D			
<p><u>OCR Analysis (incl. Implementation Option):</u> After having decided on a modification of the mission scenarios due the LLI usage in an extended mission, a new timeline set will be defined and uploaded for nominal operations. This will exchange the sub-solar states 53 and 60 with state 53 becoming the standard sub-solar state to be executed most frequently (timelines 24-32, 49, 52, 56; rate depends on the selected LLI approach) and state 60 to be executed only 1/month during the monthly calibration.</p>			
SOST: M. Gottwald, DLR-IMF	Date: 25/04/2006	Signature: via e-mail 25/04/2006	
<u>Approval of Proposed Implementation:</u>			
Originator Approval: S. Noel	Date: 5.7.2006	Signature: e-mail S. Noel, 5.7.2006	
SSAG Approval: H. Bovensmann	Date: 5.7.2006	Signature: e-mail S. Noel, 5.7.2006	
<p><u>Decision / Approval:</u> The OCR shall be implemented as proposed. (see also minutes of LLI telecon, e-mail M. Gottwald, 23.6.2006)</p>			
DLR Approval: Ch. Chlebek	Date: 12.7.2006	Signature: e-mail Ch. Chlebek, 12.7.2006	
<p><u>Implementation by SOST:</u> A new timeline set 34 has been defined and will become active in orbit 23978 on October 1st, 2006 (FFT 061001). In all set 34 timelines executing the daily and weekly sub-solar measurements, state ID 53 is used instead of state ID 60. In the monthly sub-solar measurements, state ID 60 and 53 are exchanged.</p> <p>The rate of sub-solar measurements is defined in OCR_027 in response to the need to reduce NCWM cycle in an extended ENVISAT/SCIAMACHY mission.</p>			
SOST: M. Gottwald, DLR-IMF	Date: 17/07/2006	Signature: via e-mail 17/07/2006	