Minutes of the launch readiness review meeting of the German SCIAMACHY validation team (GSVT)

Date: 4th March

Location: Institute of Environmental Physics, University Bremen

Time: 13:00 — 17:00

List of participants in alphabetical order:

?? Bramstedt, Klaus, ife, University Bremen

?? Burrows, John, ife, University Bremen

?? Bremer, Holger, ife, University Bremen

?? Engel, Andreas, IMG, University Frankfurt

?? Freitag, Martin, ife, University Bremen

?? Fricke, K.H., Institue of Physics, Bonn

?? Friker, Achim, DLR, Bonn

?? Gerilowski, Konstantin, ife, University Bremen

?? Gurlit, Wolfgang, ife, University Bremen

?? Hilsenrath, Ernest, NASA-GSFC, Greenbelt, USA

?? Hoock, Michael, ife, University Bremen

?? Hoyningen-Huene, ife, University Bremen

?? Kirchhoff, Berit, IUP, University Heidelberg

?? Krause, Holger, ife, University Bremen

?? Küllmann, Harry, ife, University Bremen

?? Löwe, Astrid, ife, University Bremen

?? Noel, Stefan, ife, University Bremen

?? Platt, Ulrich, IUP, University Heidelberg

?? Quack, Manuel, ife, University Bremen

?? Richter Andreas, ife, University Bremen

?? Rohs, Susanne, ICG-1, Research Center Jülich

?? Skupin, Jochen, ife, University Bremen

?? Sussmann, Ralf, IMK-IFU, Garmisch-Partenkirchen

?? Wagner, Thomas, IUP, University Heidelberg

?? Weidner, Frank, IUP, University Heidelberg

Agenda items of the launch readiness review meeting

?? Opening of the meeting by John Burrows and Ulrich Platt

?? ENVISAT operations during Commissioning Phase (Stefan Noel)

?? Information for validations teams (Klaus Bramstedt)

      ✍ SCIAMACHY Data Distribution

      ✍ SCIAMACHY Level 1b – 2 Offline Processor (SGP L12)

      ✍ SCIAVALIG: WWW-Site

      ✍ SOST-page online

      ✍ Product coordination concept

?? Individual contributions of the validation groups

?? Funding status with respect to long term validation phase (Achim Friker)

Summary

- **Readiness Reports**

All German validation groups are well prepared and ready for the planned validation activities.

The current schedule of the balloon flights is not acceptable for SCIAMACHY validation, in that the first LPMA/DOAS flight planned for August 2002 was shifted to Feb./March 2003 by CNES. Reasons given by CNES are lack of manpower. Because of the importance of this flight, it was agreed that the DLR (A. Friker) stays in contact with CNES directly to solve this problem. A. Friker explained (1) that DLR (Projektträger) has better leverage on the CNES because they are a 'large customer' and (2) that the scientist are the contractors of CNES, so they also have to put pressure on CNES.

- **Extension of ongoing validation projects**

Due to the launch delay and the delay in delivery of Limb data by DFD an extension of the validation projects by 2 years is unavoidable. All validation teams should therefore announce unused money early in the year to avoid loss of money in the agency. All projects should check their project funds, with regard to what is really needed for a successful validation. The hope, on part of the DLR, is to transfer money from 2003 to 2004. The national co-ordinators were asked to check the money situation as well as the needs of the validation projects. Proposals are needed for the extension of existing projects and drafts should be prepared until end of April as well as for long term validation (see below).

- **Long term funding**

According to A. Friker (DLR), obtaining additional funding for the long term validation is difficult, because of low budget. Additional proposals are needed for long term validation.

- **Data status**

If SODAP (Switch On and Data Acquisition Phase) runs according to plan, the first NRT data will be available at:

- March: Level 0
- May: Level 1b
- End of May: First Level 2
- End of July: Nominal Operations

The Offline data processor is not finished now, announced availability is:

?? 1 July 2002: DOAS based on GDP 2.4 UV/vis nadir

?? 1 July 2002: BIAS IR nadir

?? 30 November 2002: Limb in UV/VIS spectral region

?? Limb in IR currently not available

This late availability is a critical point, because many groups have to validate the limb products.

During the commissioning phase Level 1b data will be send by ESA via satellite link (DDS). The calibration of these data will work with EnviView, which needs about 15 minutes to calculate one orbit (i.e. 10 times as long as the actual DOAS evaluation takes). This is too slow for many purposes, but performance will be checked, when EnviView is available (expected short after meeting). Possibly JAVA compilers can be used to speed up the software.

- **Any other business**

?? The national co-ordinators will collect the readiness reports, which should be part of the German SCIAMACHY validation internet sites;

?? The next GSVT meeting should take place October 2002;

?? Members of the MIPAS validation team should be invited to the next GSVT meeting.

Ulrich Platt, Berit Kirchhoff   J.P. Burrows, Klaus Bramstedt