

Information from the German SCIAMACHY Validation Team

German Scientists met in Bremen to the 3rd German SCIAMACHY Validation Team Meeting (GSVT)

On July, 7th and 8th 2003, scientists from all over Germany as well as representatives from the German Aerospace Center (DLR) and the European Space Agency (ESA) came together to the 3rd German SCIAMACHY Validation Team Meeting at the Institute for Environmental Physics in Bremen.

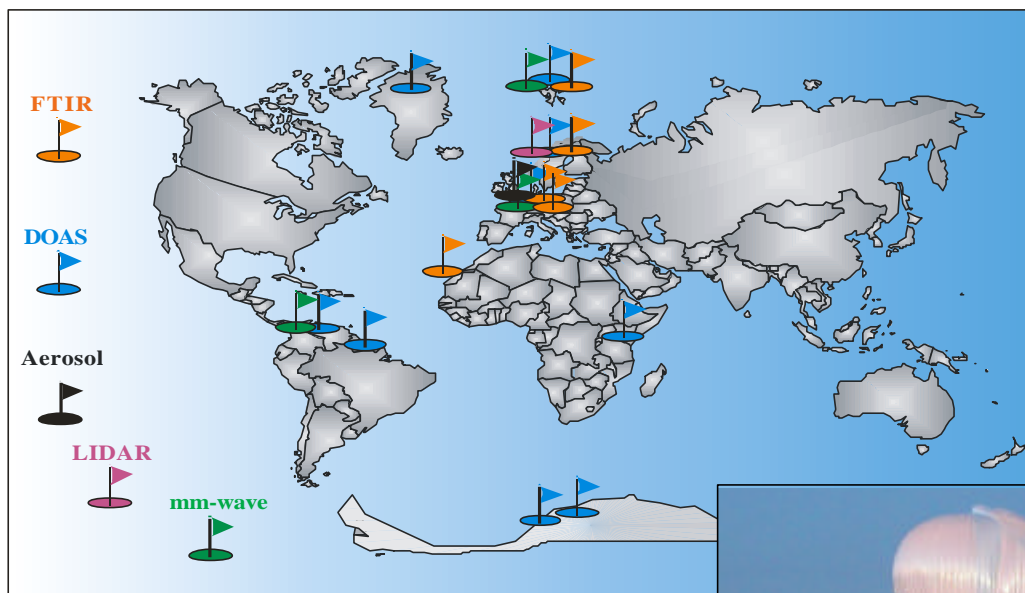
Besides information about the quality and availability of data from the SCIAMACHY instrument, all groups presented their results from the various very successfully accomplished validation campaigns during the 3rd GSVT meeting. The results of the individual groups can be seen under <http://www.iup.physik.uni-bremen.de/gcvos>.



The Scanning Imaging Absorption Spectrometer for Atmospheric Chartography (SCIAMACHY) is a German-Dutch-Belgian contribution to the European environmental satellite ENVISAT and particularly conceived for atmospheric research.



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Above: Ground-based Stations of the German Validation Team



Right: Launch of a balloon-borne instrument

Since beginning of the main validation phase in August 2002, nine balloon flights were successfully launched in high and mid latitudes. 19 ground-based stations all over the world are operating, partly with several instruments. Two instruments measure onboard the German research vessel Polarstern. 113 flying hours with the German Research Aircraft FALCON 20 from the Tropics up to the polar regions were undertaken. Thousands of measurements from other instruments such as GOME, HALOE, SAGE II, and POAM III are utilized. All this common efforts supply a substantial contribution to the validation of SCIAMACHY .