GERMAN CONTRIBUTION TO THE VALIDATION OF SCIAMACHY - THE FIRST YEAR

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An adequate validation of SCIAMACHY data products is a prerequisite for a successful completion of the SCIAMACHY mission. The German validation team, consisting of 23 different projects with more than 60 scientists, contributes with a wide range of instrument types as important part of the international validation community. A global network of ground-based stations with DOAS, FTIR, microwave instruments and ozone sondes has been build. Satellite inter-comparisons utilize the measurements of independent space-born sensors. Balloon-borne instruments participate in the Envisat Stratospheric Aircraft and Balloon validation campaigns and the German FALCON research aircraft has undertaken large flights from the Arctic to the Tropics. Here an overview of the GERMAN activities during the first year of SCIAMACHY lifetime is given.