

**Validation of SCIAMACHY level 2 data products  
from ship-borne DOAS observations**

**Principle Investigator:**

Prof. Dr. Ulrich Platt

Institute of Environmental Physics, University of Heidelberg, Germany

E-mail: [ulrich.platt@iup.uni-heidelberg.de](mailto:ulrich.platt@iup.uni-heidelberg.de)

Phone / fax +49 6221 546339 / +49 6221 546405

**Co-Investigators:**

Prof. Dr. John P. Burrows

Institute of Environmental Physics, University of Bremen, Germany

E-mail: [john.burrows@iup.physik.uni-bremen.de](mailto:john.burrows@iup.physik.uni-bremen.de)

Phone / fax +49 421 218 4548 / +49 421 218 4555

Dr. Andreas Richter

Institute of Environmental Physics, University of Bremen, Germany

E-mail: [Andreas.Richter@iup.physik.uni-bremen.de](mailto:Andreas.Richter@iup.physik.uni-bremen.de)

Phone / fax +49 421 218 4474 / +49 421 218 4555

Dr. Thomas Wagner

Institute of Environmental Physics, University of Heidelberg, Germany

E-mail: [thomas.wagner@iup.uni-heidelberg.de](mailto:thomas.wagner@iup.uni-heidelberg.de)

Phone / fax +49 6221 546314 / +49 6221 546405

Heidelberg Polarstern Team also:

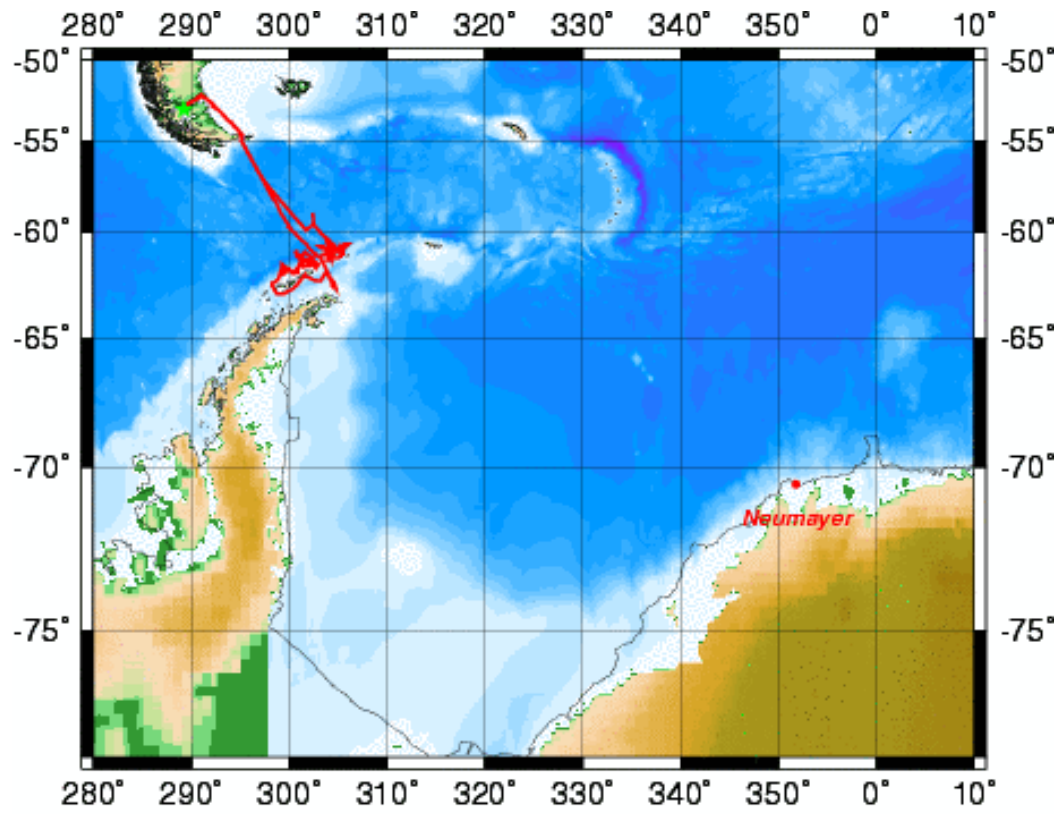
Dr. Andreas Heck, Dr. Udo Friß, Christoph von Friedeburg, Jens Boßmeier





Figure 1 Route of the Polarstern in October/November 1993 when a DOAS instrument performed zenith sky observations of atmospheric trace gases [Senne et al., 1996]. Future cruises will follow routes of this type, thus allowing extended north-south cross-sections.

Date	Route	IUP member
07.11. - 30.11.	Bremerhaven - Kapstadt	Jens Boßmeier
01.12. - 21.01.	Kapstadt - Weddell Sea - Punta Arenas	-
23.01. - 26.02.	Punta Arenas - Scotia Sea - Punta Arenas	Christoph v. Friedeburg
28.02. - 01.04	Punta Arenas - Scotia Sea - Punta Arenas	Holger Heumann
03.04. - 05.05.	Punta Arenas - Scotia Sea - Ushuaia	-
07.05 - 03.06.	Ushuaia - Bremerhaven	Magdalini



Wed Feb 27 12:34:00 MET 2002

**-Both instruments (UV and vis) are constructed and testet**

**-both instruments are contineously operating since 7. November 2001**

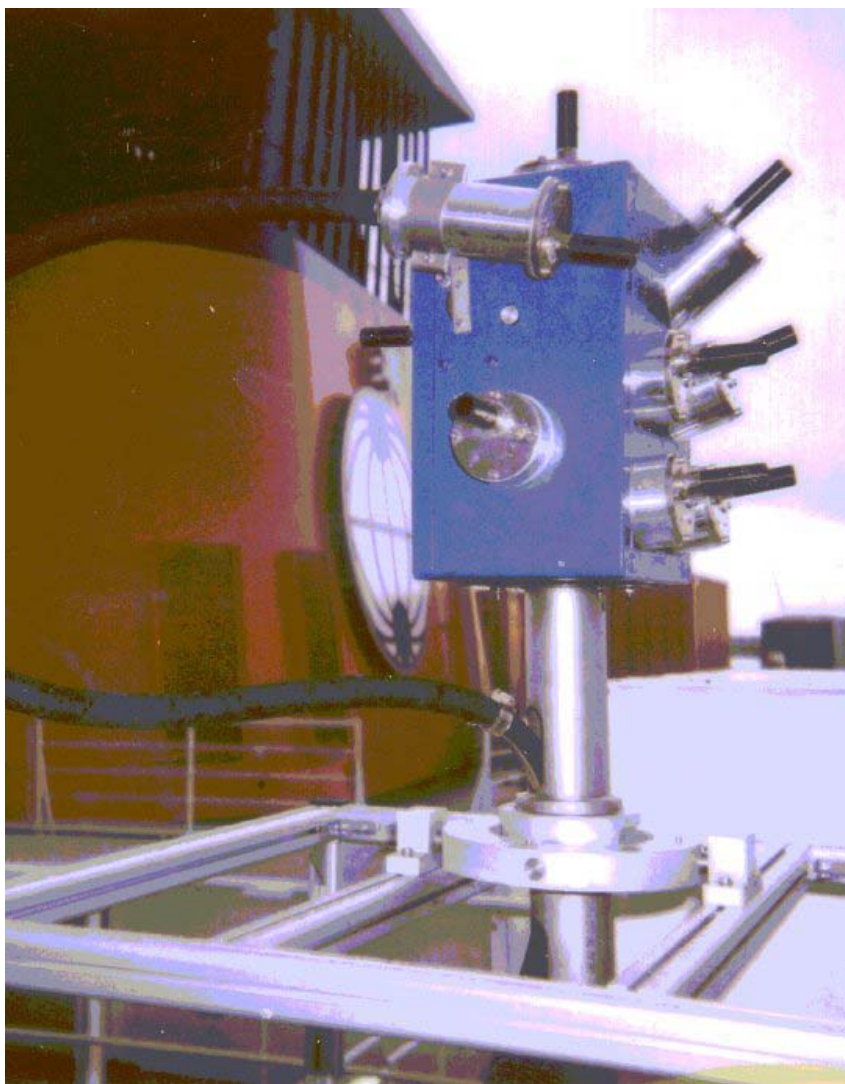
**-data analysis has already started**

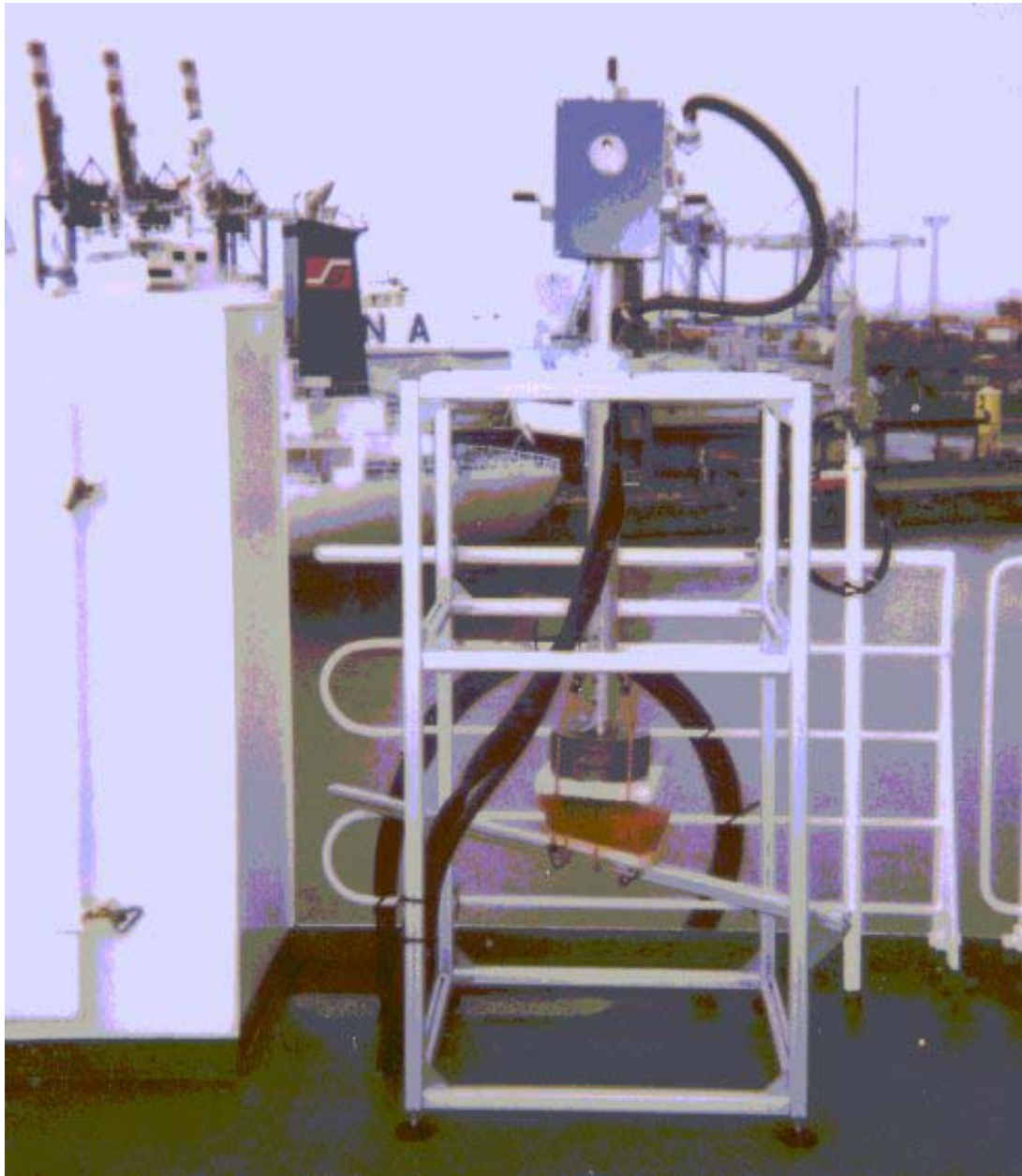
### **Kampagne 2002/2003**

26.10.-22.11.2002      Anreise      Bremerhaven -Kapstadt

24.11.2002 -23.01.2003      Weddellmeer      Kapstadt -Kapstadt

25.01.-17.02.2003      Rückreise      Kapstadt - Bremerhaven

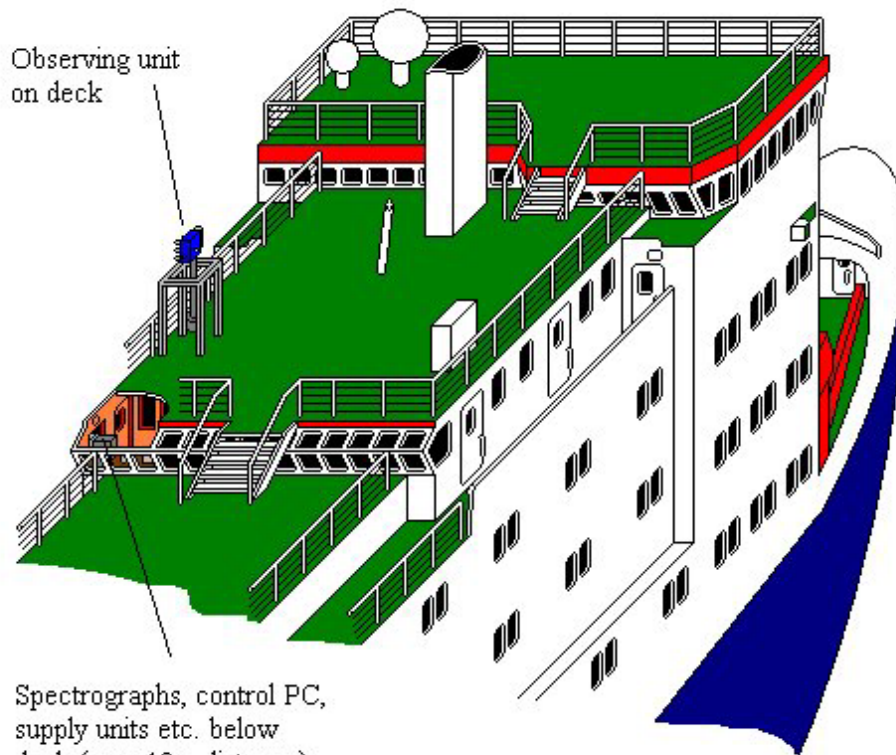




## FS Polarstern ANT XIX MAXDOAS experiment

Prof. U. Platt, T. Wagner, U. Frieß, J. Boßmeyer, C. v. Friedeburg, A. Heck  
Institut für Umweltphysik  
Universität Heidelberg  
Im Neuenheimer Feld 229, 69120 Heidelberg  
eMail: andreas.Heck@up.uni-heidelberg.de

### ANT XIX MAXDOAS installation pattern onboard FS POLARSTERN



A. Heck 2002

