



International Programme for Antarctic Buoys (IPAB)

Christian Haas, Coordinator of the IPAB

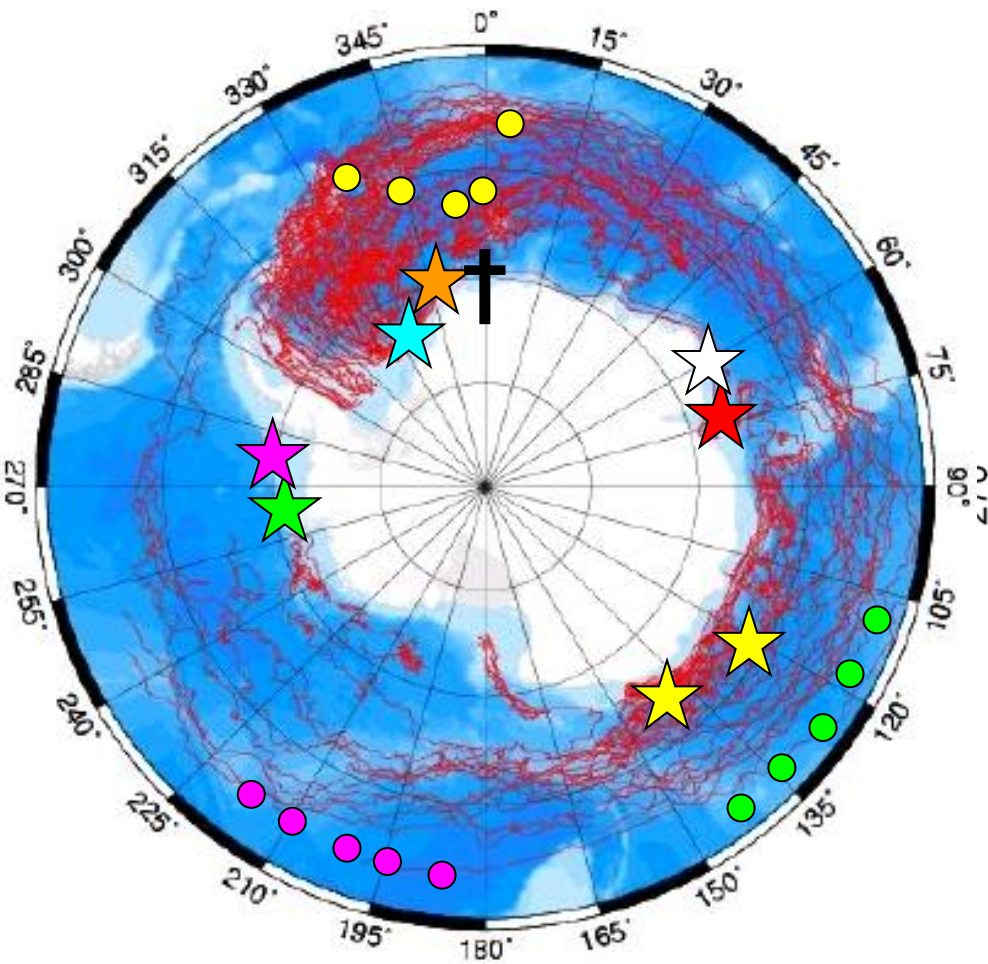
(Presented by Ignatius Rigor)

Status and planned activities

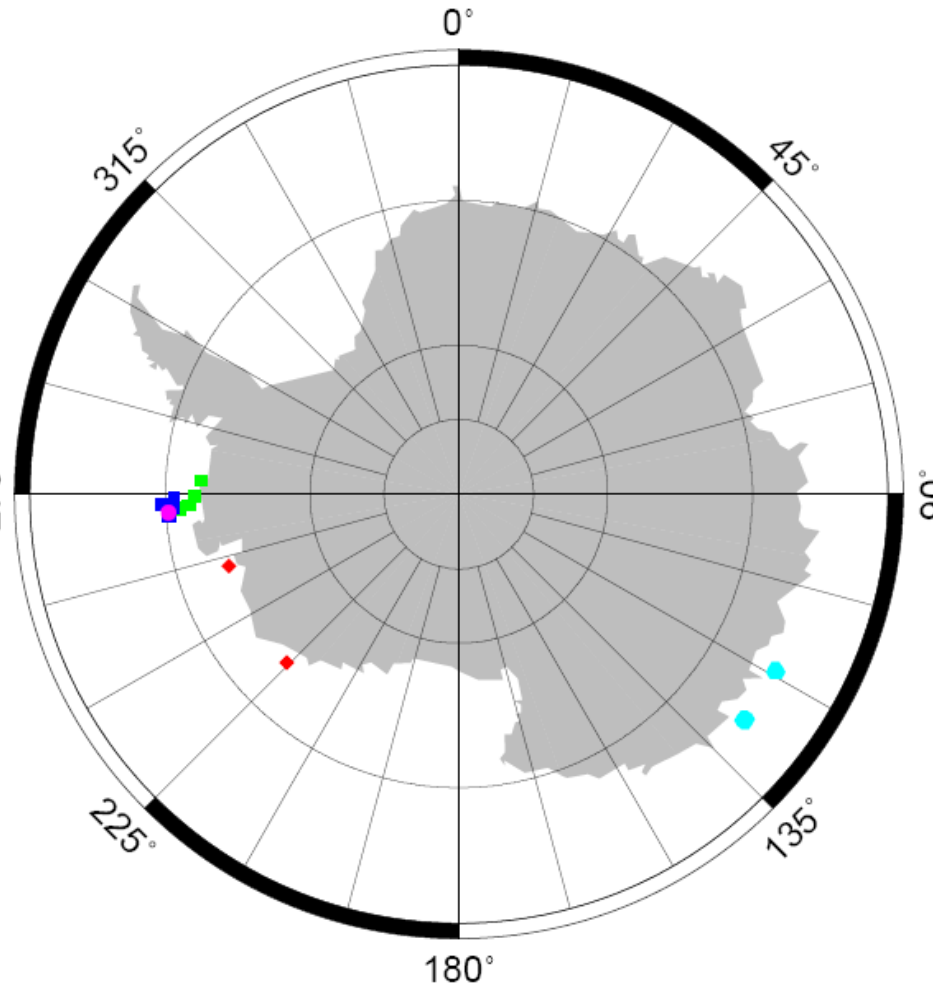
- Successful deployments during International Polar Years (> 30 buoys)
- Only 3 met. buoys deployed, but survived only a few days
- GTS transmission & group communication still major problems
- Last meeting in July 2008 in Bern, Switzerland
- Next meeting during IGS Tromso, June 2010, or Bern (Jan or June 2010)



IPY plans & achievements

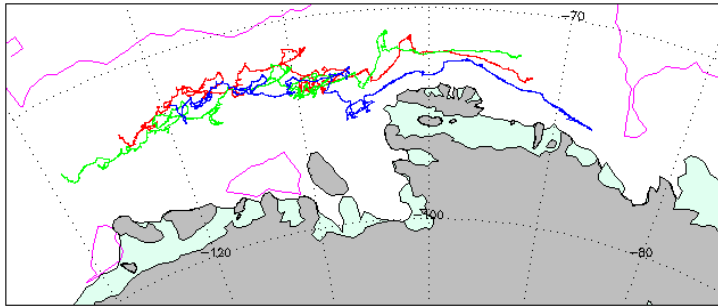


Field Programs



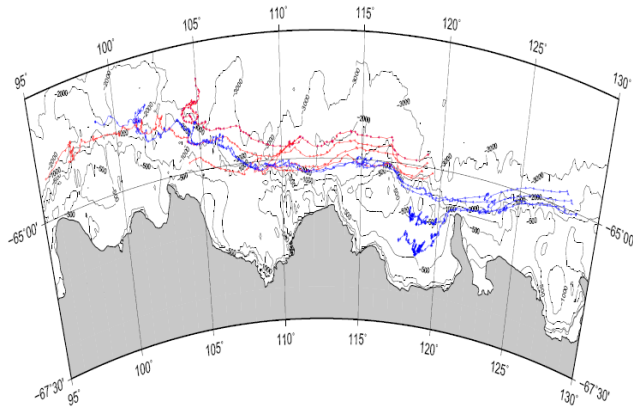
Buoy Deployments on Sea Ice

IPY sea ice buoy deployments



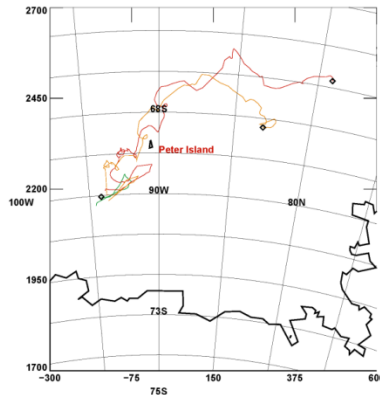
British Antarctic Survey, March 2007

- 4 met buoys (Argos)
- 2 GPS buoys (Iridium)



Sea Ice Physics eXperiment, September 2007

- 2 arrays with total of 9 buoys (Argos)
- incl. 1 met buoy per array

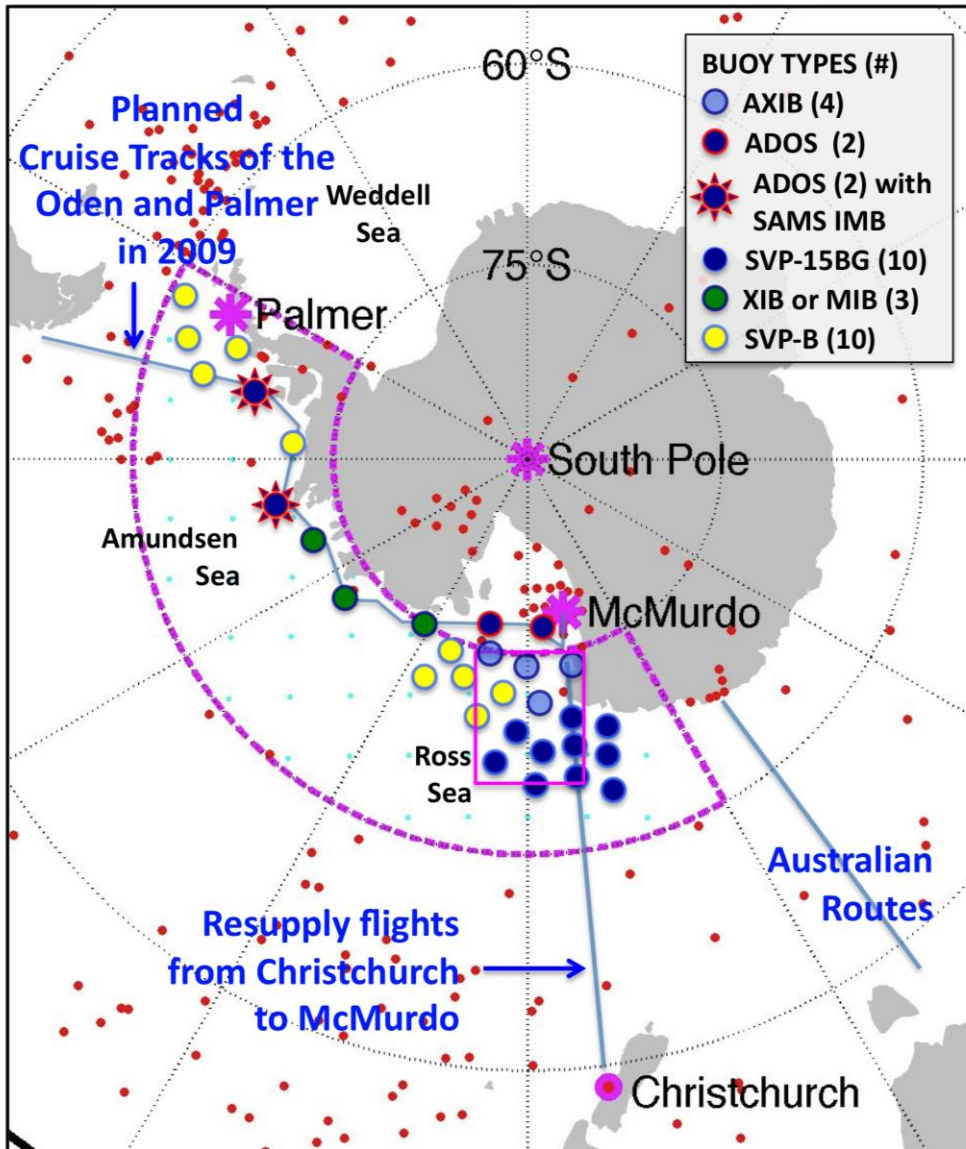


Sea Ice Mass Balance, October 2007

- 10 GPS buoys (Iridium)
- 3 IMBs

- 3 met buoys from AWI (Argos)

US NSF Antarctic Buoy Proposal



Basic Idea: Leverage our experience in the Arctic to implement an array of drifting buoys on the Antarctic sea-ice.

Primary Collaborators:

- US National Ice Center
- US Antarctic Met. Research Center
- British Antarctic Survey
- Scottish Association for Marine Science
- and other IPAB Participants.

Buoys:

- Meteorological buoys
- Ice Mass Balance (IMB) Buoys
- Polar ADOS buoys (ocean thermistor strings).