

Specifications for collaborative product on sea ice analysis for Antarctic waters

Concentrations	In accordance with SIGRID-3 standard
Ice Types	In accordance with SIGRID-3 standard; expected values at least include: 1 - New ice, 3 - Young ice, 7 - Thin first-year ice, 6 - First-year ice for ice thicker than 7, 7* - Old ice, ^* - Iceberg
Color Code	Based on CT and SoD (varies in season)
Partial concentrations	Only for 7*, to continue tracking the amount of old ice, which is the ice type vessels are most interested in.
Eggs/SIGRID	Online content should be available in SIGRID-3 and in graphics with colour coding. Graphic replica with WMO egg-code is desirable but not critical.
Icebergs	Continue to analyze icebergs that exceed 10NM. They're usually not hard to find with MODIS (while daylight), or use previous analysis or our table to help find them. Many are grounded/fasted and do not move. Common layer of icebergs should be present on a collaborative product, with a common database managed by the partners, NIC database with NIC namings is a starting point for complementing by AARI and met.no
Product Dissemination	Analyses to be posted on each organizations websites, as image files and SIGRID-3 in advance of 1 day before the time of analysis for any side. Access to a common set of satellite imagery supporting sustained hemispheric analysis is critical. Partners will investigate possibility of a single point of access similar to ftp/http gmdss.aari.ru
Antarctic Shoreline Update	Common single coastline will be chosen within the 3 or 4 possible coastlines: AARI, met.no, NIC and SCAR. Update of the Antarctic coastline is necessary starting with the most significant parts (e.g. McMurdo station, Progress station), partners should be timely informed about the changes, consult/contact Austral Data Center of the Australia Antarctic Division for possible collaboration, make a note that coastline is 'NOT FOR NAVIGATION'
Chart valid each week	NIC/AARI charts should come opposite NIS charts in the week so that customers would see two products/week and work would not be duplicated. All charts should not be contradictory, in particular if products are for the -3/+3 days interval. Agree on Thursday for AARI/NIC hemispheric odd/even week product, Monday for met.no weekly Weddell/Amundsen Seas analysis, odd/even week choice is insignificant but needs to be fixed prior to production, charts should be available 1 (2-3) days prior to the day of analysis