Servicio Meteorológico de la Armada Argentina

Report

Contributing Member

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Activities

- Argentina’s contribution to the MCSS started in 2001
- Consisted in observations period 1950-2001
- The MQC was applied and the data were in the required IMMT format
- In 2002 didn’t receive any data (pub WMO No. 47 was not update)
Since January 2003 Argentina is sending the data quarterly.

A high percentage of data now comes through GTS.

There is still a considerable amount of data coming from meteorological logbooks that require digitalisation.
Data processing

- The following comments can be made:
  - The first dispatching was in the required IMMT-1 format.
  - The MQC standard have been applied
  - Since 2003 they have been in IMMT-2 format.
  - Data have been exchanged by e-mail.
  - The list of the recruited ship in the WMO No. 47 was update, this was helpfully.
Quality control software

- SMARA developed a Quality Control software (SIMAR) which apply to other kinds of advanced quality control, based in:
  - WMO MQCs version 4 (Rec. 9, JCOMM-1)
  - KNMI - KN-89-01
  - Quality Control Procedures of the National Ice Center for ice observations

- SMARA developed a Quality Control Software Automatic System (QCSHIP)
  - Provides immediate minimum quality checks right after composition of the observation.
  - Only one ship is using this software (Since 1999)
Distributions per period

- The first contribution in 2001 consisted:
  - 2239 observations
  - period 1950-2001

- Since 2003 the contribution is quarterly
  - 436 observations in 2003
  - 329 in 2004 till now
• The amount of data received per month varied greatly

• More completed data are observed in April and May
Contributions per year

- Data originating from as early as 1960.
- About 50% was not older than 1994.
Spatial distribution near the cost

- Amount data varied greatly spatially
- Data concentrated near the principal Argentina’s harbours
Considerations

- Communication with PMO is a very critical issue, making CM’s work easier.
- The WMO Publication No. 47 has not been updated regularly, causing frustration at the CM.
- A substantial number of JCOMM-related publications are available through the JCOMM web page. All those technical publications had provided very valuable support to this CM in implementing their marine related activities.
- The WMO Publications related with the Marine meteorology activities should be sent to the Marine Meteorological Services directly to facilitate the work.
Summary

- Argentina started its contribution to the Marine Climatological Summaries Scheme (MCSS) in 2001
- Minimum quality controls (MQC) have been applied. International Marine Meteorological Tape (IMMT) formats have been used for delay-mode collection and storing of observation results.
- All Marine climatological digitized data have been submitted directly to Global Collecting Centres (GCCs) on a four-month basis