Report of the Global Collecting Centres

Elanor Gowland, GCC UK

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Overview

- 2006 annual report and general GCC procedures
- Highlights & Issues
- Future plans
- Actions
Current set-up

Under the current set-up of the Marine Climatological Summaries Scheme (MCSS) there are:

- 41 potential Contributing Members (CMs)
- 8 Responsible Members (RMs) with separate areas of responsibility for storage & provision of data
- 2 Global Collecting Centres (GCCs) to process submitted data to the WMO Minimum Quality Control Standards (MQCS) and distribute to RMs
Summary of 2006 annual report

- 2006 was the 13\textsuperscript{th} year of GCC operations
- Just under 1 million observations submitted
- from 16 Contributing Members
- More than half the data received was from the last 2 years (2005 & 2006)
- VOSCLim contributions on the increase
- IMMT-3 format is being used for nearly two thirds of observations
- On land and duplicate data decreasing
• All RMs receive the global dataset via FTP

• This means there are potentially 8 different versions of the same observation that could be officially provided
An ever increasing proportion of data is being submitted:

- in IMMT-3 format
- with flags, having been checked to MQCS
- with fewer duplicates
- with fewer on land positions
- with VOSClim elements (more later)
- from the recent past
- without invalid characters

- with masked callsigns
Highlights & Issues – VOSClim (1)

- 9 CMs are registered with VOSClim project, 5 submitted data in 2006
- Amount of data increasing (%age of total obs): 1% in 2003; 4% in 2004 and 2005, 9% in 2006 (distribution below)
Highlights & Issues – VOSClim (2)

• Not all VOSClim ships report the extra elements
• Some un-registered ships are submitting VOSClim elements

<table>
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<th>Year</th>
<th>Countries</th>
<th>Total number of obs</th>
<th>Number ships registered</th>
<th>Number obs with VOSClim elements</th>
<th>Number obs with VOSClim elements</th>
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<tr>
<td></td>
<td>VOSClim registered</td>
<td>Non VOSClim</td>
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<td>2006</td>
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<td>1st quarter</td>
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The MQCforCMs software package was updated for IMMT-3 and MQCS-V. It also gives the option of separating duplicate obs. Version 3 of the software has been distributed to 22 CMs, at their request.

- The DWD have updated their GCC website www.dwd.de/gcc

- The Met Office have created a GCC website www.metoffice.gov.uk/research/interproj/gcc/
The MCSS system was set up in 1963 and current process has been in place since 1993. It is time to modernise the data flow, so we can make use of the increase in IT capabilities, so globally better use can be made of the data we collect.

Consider:-

- Collection (electronic logbooks, BUFR / IMMT)
- Processing (MCQS, real-time and delayed-mode)
- Storage (higher QC, number of data centres)
- Access to data (using internet, single point of contact)
- Products produced (centrally / individual members)
Actions

- Agree change needed

- Set up of Task Team(s) to investigate and propose change for data flow and summaries charts
  - terms of reference for task team(s) need to be agreed at this meeting
  - related to MCSS revision (item 6.1) and DMCG proposal

- Task team to report back within 1 year
  - further work may result

- Formal proposal from ETMC to JCOMM-III
Further discussion