



WMO/IOC/UNEP/ICSU
GLOBAL CLIMATE OBSERVING
SYSTEM (GCOS)

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**5th GRUAN Implementation-
Coordination Meeting (ICM-5)**

De Bilt, Netherlands
25 February – 1 March 2013

Session 3

Task Team 3 (Scheduling) progress report 01/2013

(Submitted by Tom Gardiner and Dave Whiteman)

Summary and Purpose of Document

Progress report from the task team 3 (Scheduling) covering period from 09/2012 till 01/2013.

Task Team progress report for Jan 2013 – Scheduling Task Team

SUMMARY

The primary objective for the Task Team is to develop defensible, quantifiable, scientifically-sound guidance for GRUAN sites on measurement schedules and associated site requirements, in order to meet the GRUAN objectives.

In terms of scientific outputs from the Task Team, while the activities of the team remain a voluntary one without specific funding the main information sources are from the peer-reviewed literature, GRUAN documentation, and currently unpublished studies of which the group is aware. Some limited new analyses are being undertaken by Team members using existing data sets to start to address areas where critical gaps exist that prohibit scientifically defensible choices.

PROGRESS ON TASKS REPORTED ON THE PREVIOUS REPORT

Task: *Bibliography of relevant information sources*

Main Contact: Tom Gardiner

Due Date: 31-May-2012

Status: Complete*

Milestone: Prepare a document that identifies and briefly summarises the sources of information (papers, reports, etc) relevant to the scheduling issues.

Progress: First draft of Bibliography document sent to Task Team members for comments.

Issues: * This will be an on-going activity with bibliography extended as new references become available.

Task: *Stratospheric water vapour trends*

Main Contact: Dave Whiteman

Due Date: 31-Dec-2015

Status: On hold - pending funding

Milestone: Extend trend sensitivity studies analysis to stratospheric water vapour and submit the resulting analysis to the peer reviewed literature.

Progress: Proposal submitted to NASA MAP program for support of this effort. DW lead.

Issues: Awaiting response to proposal.

Task: *Resolve differences in times to determine trends*

Main Contact: Dave Whiteman

Due Date: 30-Jun-2012

Status: On hold – pending funding.

Milestone: Review the reasons for the difference in the time to detect WV trends in Boers and Whiteman papers.

Progress: No activity possible until funding in place.

Issues: Immediate activity linked to success of NASA MAP proposal.

Task: *Temperature scheduling requirements.*

Main Contact: Tom Gardiner

Due Date: 25-Feb-2013

Status: Complete*

Milestone: Review of temperature scheduling requirements (as already done for WV in the Guide) for scheduling decision support.

Progress: First draft of temperature requirements document sent to Task Team members for comments.

Issues: Available literature focusses on long-term trend detection requirements. More citable material needed for other GRUAN objectives. * New objective needed for documenting combined scheduling advice.

Task: *Scheduling summary document*

Main Contact: Tom Gardiner & Dave Whiteman **Due Date:**31-May-2012

Status: Complete

Milestone: Prepare guidance on scheduling issues for inclusion in GRUAN manual.

Progress: Scheduling guidance included in GRUAN manual.

Issues:

Task: *TT membership*

Main Contact: Tom Gardiner & Dave Whiteman **Due Date:**31-May-2012

Status: Complete

Milestone: Confirmed list of at least 5 TT members including site representation.

Progress: Rigel Kivi has joined the Task Team, bringing total membership up to 7.

Issues:

Task: *ITS Presentation and Paper*

Main Contact: Tom Gardiner **Due Date:**31-May-2012

Status: Complete

Milestone: Presentation/paper on GATNDOR at GRUAN session at the 9th International Temperature Symposium.

Progress: Presentation made and paper accepted for publication.

Issues: