



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

Doc. 7.13
(13.IV.2018)

**10th GRUAN Implementation-
Coordination Meeting (ICM-10)**

Session 7

Potsdam, Germany

23 - 27 April 2018

GRUAN Site Report for Melbourne

(Submitted by Matt Tully)

Summary and Purpose of this Document

Report from the GRUAN site Melbourne for the period January to December 2017.



GRUAN Site Report for Melbourne (MEL)

Reporting for the period January to December 2017

Date: 13-April-2018

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Overview

Regular twice-daily radiosonde launches are flown at Melbourne Airport and weekly ozonesonde launches at nearby Broadmeadows.

Daily Total Column Ozone measurements are made at Melbourne Airport.

Change and change management

The transition from RS92 to RS41 at Melbourne Airport took place in February 2018, but RS92 radiosondes are still being flown from Broadmeadows for ozone soundings.

An RS92/RS41 intercomparison campaign is planned for September 2018.

Resourcing

NIL at present.

Operations

No operational issues are currently identified.

The RsLaunchClient is not yet being used.

Site assessment and certification

Unclear

GRUAN-related research

Melbourne Airport is now been accepted as an NDACC Dobson site.

Broadmeadows has been accepted as an NDACC ozonesonde site.

A Brewer spectrophotometer has recently been installed at Broadmeadows.

WG-GRUAN interface

A letter of support from GRUAN to the CEO of the Bureau of Meteorology would be very likely to hasten full implementation of GRUAN activities at the five Australian sites.

Items for ICM-10 plenary discussions

NIL

Other archiving centres

WOUDC, NDACC

Participation in campaigns

NIL

Future plans

An RS92/RS41 intercomparison campaign is planned for Broadmeadows in later in 2018. Preliminary plans are being formulated for pilot FPH/CFH launches in late 2018. It is expected that an automated balloon launcher will be installed at Melbourne Airport in the next five years.



GRUAN Site Report for Melbourne (MEL), 2017

Reported time range is Jan 2017 to Dec 2017

Created by the Lead Centre

Version from 2018-04-06

1 General GRUAN site information

Object	Value
Station name	Melbourne
Unique GRUAN ID	MEL
Geographical position	-37.6655 °S, 144.8321 °E, 113.4 m
Operated by	BOM Australian Bureau of Meteorology
Main contact	Tully, Matthew
WMO no./name	94866 MELBOURNE AIRPORT
Operators	currently 0, changes +0 / -0
Sounding Site	2

1.1 General information about GRUAN measurement systems

System	Name	Type	Setups	Measurements
MEL-RS-01	Melbourne Airport radiosonde launch site	Sounding Site	1	0
MEL-RS-02	Broadmeadows radiosonde launch site	Sounding Site	1	0

1.2 General comments from Lead Centre

1.2.1 General

No dataflow to GRUAN LC so far.

2 System: Melbourne Airport radiosonde launch site (MEL-RS-01)

Object	Value
System name	Melbourne Airport radiosonde launch site
Unique GRUAN ID	MEL-RS-01
System type	Sounding Site (RS - Radiosonde)
Geographical position	-37.6655 °S, 144.8321 °E, 113.4 m
Operated by	BOM Australian Bureau of Meteorology
Instrument contact	Tully, Matthew
Started at	-
Defined setups	1 (ROUTINE)
Possible streams	RS92

2.1 Lead Centre comments

2.1.1 Dataflow

No radiosonde dataflow to GRUAN LC as yet.

3 System: Broadmeadows radiosonde launch site (MEL-RS-02)

Object	Value
System name	Broadmeadows radiosonde launch site
Unique GRUAN ID	MEL-RS-02
System type	Sounding Site (RS - Radiosonde)
Geographical position	-37.6914 °S, 144.9589 °E, 110.0 m
Operated by	BOM Australian Bureau of Meteorology
Instrument contact	Tully, Matthew
Started at	-
Defined setups	1 (OZONE)
Possible streams	RS92

3.1 Lead Centre comments

3.1.1 Dataflow

No radiosonde dataflow to GRUAN LC as yet.