



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

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

Session 7

Potsdam, Germany

23 - 27 April 2018

GRUAN Site Report for Macquarie Island

(Submitted by Matt Tully)

Summary and Purpose of this Document

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



GRUAN Site Report for Macquarie Island (MAQ)

Reporting for the period January to December 2017

Date: 13-April-2018

Primary author: Matt Tully

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Overview

Regular twice-daily radiosonde launches and weekly ozonesonde flights are currently performed at Macquarie Island.

Daily Total Column Ozone measurements are also made.

Change and change management

The transition from RS92 to RS41 is currently scheduled to take place in April 2019.

An intercomparison campaign at this site is not planned at present.

Resourcing

NIL

Operations

No operational issues are currently identified.

The RsLaunchClient is not yet being used.

Site assessment and certification

Unclear

GRUAN-related research

Macquarie Island has now been accepted as an NDACC site for both Dobson and ozonesondes.

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

Macquarie Island will be participating in the International Year of Polar Prediction (4 radio-soundings per day).

Future plans

The existing Macquarie Island station buildings will be progressively removed and a new facility re-built over the coming five years.



GRUAN Site Report for Macquarieland (MAQ), 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	Macquarieland
Unique GRUAN ID	MAQ
Geographical position	-54.4994 °S, 158.9369 °E, 6.0 m
Operated by	BOM Australian Bureau of Meteorology
Main contact	Tully, Matthew
WMO no./name	94998 MACQUARIE ISLAND
Operators	currently 0, changes +0 / -0
Sounding Site	1

1.1 General information about GRUAN measurement systems

System	Name	Type	Setups	Measurements
MAQ-RS-01	Macquarie Island radiosonde launch site	Sounding Site	2	0

1.2 General comments from Lead Centre

1.2.1 General

No dataflow to GRUAN LC so far.

2 System: Macquarie Island radiosonde launch site (MAQ-RS-01)

Object	Value
System name	Macquarie Island radiosonde launch site
Unique GRUAN ID	MAQ-RS-01
System type	Sounding Site (RS - Radiosonde)
Geographical position	-54.4994 °S, 158.9369 °E, 6.0 m
Operated by	BOM Australian Bureau of Meteorology
Instrument contact	Tully, Matthew
Started at	-
Defined setups	2 (ROUTINE, OZONE)
Possible streams	RS92

2.1 Lead Centre comments

2.1.1 Dataflow

No radiosonde dataflow to GRUAN LC as yet.