



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

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**11th GRUAN Implementation-
Coordination Meeting (ICM-11)**

Session 7

Singapore
20 - 24 May 2019

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 2018.

Overview

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

Daily Total Column Ozone measurements are also made. (Dobson)

Change and change management

The transition from Vaisala RS92 to RS41 has been delayed until (SH) spring.

Resourcing

NIL

Operations

No operational issues are currently identified.

The RsLaunchClient is not yet being used. Raw data has been submitted to the GRUAN Lead Centre.

Site assessment and certification

Not yet certified.

GRUAN-related research

NIL

WG-GRUAN interface

A letter of support was sent to the Australian PR which is now being responded to.

Items for ICM-11 plenary discussions

Use of the RsLaunchClient presents difficulties because of IT security issues is there any possibility of an alternative method?

Other archiving centres

GUAN, WOUDC, NDACC (Dobson and ozonesonde)

Participation in campaigns

NIL

Future plans

The existing Macquarie Island station buildings are being progressively removed and a new facility re-built over the coming four years.



GRUAN Site Report for Macquarie Island (MAQ), 2018

Reported time range is Jan 2018 to Dec 2018

Created by the Lead Centre

Version from 2019-05-09

1 General GRUAN site information

Object	Value
Station name	Macquarie Island
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 operational dataflow to GRUAN LC so far.

Older radiosonde data files are already stored at GRUAN LC.

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 operational radiosonde dataflow to GRUAN LC as yet.

Vaisala RS92 raw data files of routine flights from 2012 to 2017 are stored at GRUAN LC. These data will be imported to GRUAN archive in 2019.