

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

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Session 1

## 12th GRUAN Implementation-Coordination Meeting (ICM-12)

Virtual
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# 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 2019.

### **Overview**

Regular twice-daily radiosonde launches are currently performed at Macquarie Island incorporating a weekly ozonesonde flight (1200 gram balloon). Daily Total Column Ozone measurements are also made. (Dobson and Brewer).

# Change and change management

The transition from Vaisala RS92 to RS41 was made in October 2019. A small number of dual RS92/RS41 ozonesonde flights were flown at Broadmeadows (results reported at ICM-11).

# 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

**NIL** 

# Other archiving centres

GUAN, WOUDC (ozone profiles and total ozone), NDACC (ozone profiles)

# Participation in campaigns

NIL

# **Future plans**

The planned re-building of the station facilities is now uncertain.



# GRUAN Site Report for Macquarielsland (MAQ), 2019

Reported time range is Jan 2019 to Dec 2019

Created by the Lead Centre Version from 2020-11-05

### 1 General GRUAN site information

Object	Value
Station name	Macquarielsland
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	Туре	Setups	Measurements
MAQ-RS-01	Macquarie Island radiosonde lau	unch site Sounding Site	2	0

#### 1.2 General comments from Lead Centre

#### 1.2.1 General

No dataflow to GRUAN LC has been established yet.

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 dataflow of radiosonde measurements to LC has been established 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 2020.