



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

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**13th GRUAN Implementation-
Coordination Meeting (ICM-13)**

Session 1

Virtual

15 November - 19 November 2021

GRUAN Site Report for Davis

(Submitted by Matt Tully)

Summary and Purpose of this Document

Report from the GRUAN site Davis for the period January to December 2020.

Overview

Twice daily radiosonde launches (11Z and 23Z) are currently performed at Davis (manual release), incorporating a weekly ozonesonde flight (1200 gram balloon).

Change and change management

The transition from Vaisala RS92 to RS41 radiosondes took place on 23 February 2019. (Some dual RS92/RS41 ozonesonde flights were flown at Broadmeadows to compare the results of the different ozone interfaces, as 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.

Covid-19

No impact.

Site assessment and certification

Not yet certified.

GRUAN-related research

NIL

WG-GRUAN interface

NIL

Other archiving centres

GUAN, WOUDC (ozone soundings)

Participation in campaigns

NIL

Future plans

No change currently anticipated.



GRUAN Site Report for Davis (DVS), 2020

Reported time range is Jan 2020 to Dec 2020

Created by the Lead Centre

Version from 2021-04-27

1 General GRUAN site information

Object	Value
Station name	Davis
Unique GRUAN ID	DVS
Geographical position	-68.5744 °S, 77.9672 °E, 18.0 m
Operated by	BOM Australian Bureau of Meteorology
Main contact	Tully, Matthew
WMO no./name	89571 DAVIS
Operators	currently 0, changes +0 / -0
Sounding Site	1

1.1 General information about GRUAN measurement systems

System	Name	Type	Setups	Measurements
DVS-RS-01	Davis radiosonde launch 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: Davis radiosonde launch site (DVS-RS-01)

Object	Value
System name	Davis radiosonde launch site
Unique GRUAN ID	DVS-RS-01
System type	Sounding Site (RS - Radiosonde)
Geographical position	-68.5744 °S, 77.9672 °E, 18.0 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 soundings from 2012 to 2017 are stored at GRUAN LC. These data will be imported to GRUAN archive in 2021.