



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

Doc. 1.08
(9.X.2020)

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

Session 1

Virtual

16 - 20 November 2020

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 2019.

Overview

Twice daily radiosonde launches 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 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.

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), 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 | 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 2020.