



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

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(13.IV.2018)

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

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Session 7

Potsdam, Germany

23 - 27 April 2018

## GRUAN Site Report for Darwin

*(Submitted by Matt Tully)*

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### **Summary and Purpose of this Document**

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

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# GRUAN Site Report for Darwin (DAR)

Reporting for the period January to December 2017

Date: 13-April-2018

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## Overview

Regular twice-daily radiosonde launches are currently performed at Darwin Airport. 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 May 2018. An RS41/RS92 intercomparison campaign at Darwin is planned for June 2018.

## Resourcing

Nil at present.

## Operations

Balloon launches are made with a "Remote Balloon Launcher" which offers limited capacity. The RsLaunchClient is not yet being used.

## Site assessment and certification

Unclear

## **GRUAN-related research**

NIL

## **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, BSRN

## **Participation in campaigns**

NIL

## **Future plans**

An automated balloon launcher is expected to be installed in Darwin within the next 5 years.



# GRUAN Site Report for Darwin (DAR), 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	Darwin
Unique GRUAN ID	DAR
Geographical position	-12.4300 °S, 130.8900 °E, 30.0 m
Operated by	BOM   Australian Bureau of Meteorology
Main contact	Tully, Matthew
WMO no./name	94120 DARWIN
Operators	currently 0, changes +0 / -0
Sounding Site	1
GNSS	1

### 1.1 General information about GRUAN measurement systems

System	Name	Type	Setups	Measurements
DAR-GN-01	GNSS Site SA39	GNSS	0	not operational
DAR-RS-01	Darwin radiosonde launch site	Sounding Site	1	0

### 1.2 General comments from Lead Centre

#### 1.2.1 General

No dataflow to GRUAN LC so far.

## 2 System: GNSS Site SA39 (DAR-GN-01)

<b>Object</b>	<b>Value</b>
System name	GNSS Site SA39
Unique GRUAN ID	DAR-GN-01
System type	GNSS (GN - GNSS)
Geographical position	-12.4246 °S, 130.8916 °E, 84.9 m
Operated by	BOM   Australian Bureau of Meteorology
Instrument contact	Tully, Matthew
Started at	-
Defined setups	-
Possible streams	-

### 2.1 Lead Centre comments

#### 2.1.1 Dataflow

No GNSS dataflow to GRUAN LC as yet.

### 3 System: Darwin radiosonde launch site (DAR-RS-01)

<b>Object</b>	<b>Value</b>
System name	Darwin radiosonde launch site
Unique GRUAN ID	DAR-RS-01
System type	Sounding Site (RS - Radiosonde)
Geographical position	-12.4239 °S, 130.8925 °E, 30.4 m
Operated by	BOM   Australian Bureau of Meteorology
Instrument contact	Tully, Matthew
Started at	-
Defined setups	1 (ROUTINE)
Possible streams	RS92

#### 3.1 Lead Centre comments

##### 3.1.1 Dataflow

No radiosonde dataflow to GRUAN LC as yet.