



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

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**6th GRUAN Implementation-
Coordination Meeting (ICM-6)**

Session 6

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GRUAN Station Report for Darwin

(Submitted by Lead Centre)

Summary and Purpose of Document

Report from the GRUAN station Darwin for the period Nov 2012 to Oct 2013.

Note: For all ARM sites, the station report from the site representative is presented in Doc 6.06: "GRUAN Station Report for Lamont (SGP)".



GRUAN Station Report for Darwin (DAR), 2013

Reported time range is Nov 2012 to Oct 2013

Created by the Lead Centre

Version from 2014-02-20

1 General GRUAN station information

Info	Value
Station name	Darwin
Unique GRUAN ID	DAR
Geographical position	-12.4300 °S, 130.8900 °E, 30.0 m
Operated by	ARM US DOE Atmospheric Radiation Measurement (ARM) Program
Main contact	Sisterson, Doug
WMO no./name	94120 DARWIN
Operators	current 0, change +0 / -0
Sounding Site	1
GNSS	1

1.1 General information about GRUAN measurement systems

System	Type	Setups	Measurements	As scheduled
DAR-GN-01	GNSS	0	0	not scheduled
DAR-RS-01	Sounding Site	1	0	0.00 %

1.2 General comments from Lead Centre

1.2.1 General

ARM site.

ARM is requested to enable the transfer of the raw data from Darwin to the Lead Centre.

It is strongly recommended that the site uses a manufacturer independent ground check for the Vaisala radiosonde.

1.2.2 GTS

This site regularly sends PTU measurements in the GTS (FM35 in BUFR format, 2 times per day).

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

Info	Value
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	ARM US DOE Atmospheric Radiation Measurement (ARM) Program
Instrument contact	Sisterson, Doug
Started at	-
Defined setups	-
Possible streams	-

2.1 Lead Centre comments

2.1.1 General

No GNSS dataflow to GRUAN LC as yet.

3 System: Balloon-Borne Sounding System (SONDE) (DAR-RS-01)

Info	Value
System name	Balloon-Borne Sounding System (SONDE)
Unique GRUAN ID	DAR-RS-01
System type	Sounding Site (RS - Radiosonde)
Geographical position	-12.4200 °S, 130.8800 °E, 30.0 m
Operated by	BOM Australian Bureau of Meteorology
Instrument contact	Sisterson, Doug
Started at	-
Defined setups	1 (ROUTINE)
Possible streams	RS92

3.1 Lead Centre comments

3.1.1 Dataflow

Dataflow is running completely automated from the ARM Archive to the GRUAN LC. Raw data are not transmitted to the Lead Centre and Vaisala RS92 data from Darwin cannot be processed using GRUAN algorithms and GRUAN quality checks.

Only operational Vaisala processed data are available at the Lead Centre.