



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

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**11th GRUAN Implementation-
Coordination Meeting (ICM-11)**

Session 7

Singapore

20 - 24 May 2019

GRUAN Site Report for Alice Springs

(Submitted by Matt Tully)

Summary and Purpose of this Document

Report from the GRUAN site Alice Springs for the period January to December 2018.

Overview

Radiosonde launches are currently being made four times a week.

Change and change management

The transition from Vaisala RS92 to RS41 radiosondes took place on 22 August 2018.

No intercomparison at this specific site has been made to date.

Resourcing

The station is now operating with reduced staffing hours (Monday to Friday, office hours only).

Operations

Balloon launches are made with a "remote balloon launcher" and 350 g balloon. Burst heights are generally between 10-20 hPa. The RsLaunchClient is not 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

A letter of support was sent to the Australian PR which is now being responded to.

Items for ICM-11 plenary discussions

- Use of automated balloon launchers in GRUAN.

- Use of the RsLaunchClient presents difficulties because of IT security issues is there any possibility of an alternative method?

Other archiving centres

NDACC (Spectral UV), BSRN (Solar radiation)

Participation in campaigns

NIL

Future plans

It is planned that the station will be completely de-staffed (that is, automated) in the next two years and radiosonde launches automated. The location of the station might also move by up to five kilometres.



GRUAN Site Report for AliceSprings (ALC), 2018

Reported time range is Jan 2018 to Dec 2018

Created by the Lead Centre

Version from 2019-05-09

1 General GRUAN site information

Object	Value
Station name	AliceSprings
Unique GRUAN ID	ALC
Geographical position	-23.7951 °S, 133.8890 °E, 546.0 m
Operated by	BOM Australian Bureau of Meteorology
Main contact	Tully, Matthew
WMO no./name	94326 ALICE SPRINGS
Operators	currently 0, changes +0 / -0
Sounding Site	1

1.1 General information about GRUAN measurement systems

System	Name	Type	Setups	Measurements
ALC-RS-01	Alice Springs 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: Alice Springs radiosonde launch site (ALC-RS-01)

Object	Value
System name	Alice Springs radiosonde launch site
Unique GRUAN ID	ALC-RS-01
System type	Sounding Site (RS - Radiosonde)
Geographical position	-23.7951 °S, 133.8890 °E, 546.0 m
Operated by	BOM Australian Bureau of Meteorology
Instrument contact	Tully, Matthew
Started at	-
Defined setups	1 (ROUTINE)
Possible streams	RS92

2.1 Lead Centre comments

2.1.1 Dataflow

No radiosonde dataflow to GRUAN LC as yet.