



Basic Climatological Station Metadata  
Current status

Metadata compiled: 28 JUL 2025

Station: CEDUNA AMO

Bureau of Meteorology station number: 018012  
Bureau of Meteorology district name: Western Agricultural  
State: SA

World Meteorological Organization number: 94653  
Identification: YCDU

Network Classification: CLIMAT Stations, GCOS Surface Network, National  
Benchmark Network for Agrometeorology, Regional Basic  
Synoptic Network

Station purpose: Synoptic, Upper Air, Aeronautical

Automatic Weather Station: Almos



Current Station Location				
Latitude	Decimal	-32.1297	Hour Min Sec	32°7'47"S
Longitude	Decimal	133.6976	Hour Min Sec	133°41'51"E
Station Height	15.3 m	Barometer Height	15.7 m	
Method of station geographic positioning			GPS	

Year opened: 1939

Status: Open

Station summary

No summary for this site has been written as yet.

Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.



Basic Climatological Station Metadata  
Current status

Station: CEDUNA AMO		Location: CEDUNA AMO		State: SA	
Bureau No.: 018012	WMO No.: 94653	Aviation ID: YCDU	Opened: 01 Jan 1939	Current Status: Still open	
Latitude: -32.1297	Longitude: 133.6976	Elevation: 15.3 m	Barometer Elev: 15.7 m	Metadata compiled: 28 JUL 2025	

Observation summary

The table below indicates the approximate completeness of the record for individual element types within the Australian Data Archive for Meteorology. For elements not listed see the note below.



DAILY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	SINGLE DAYS MISSED	FULL MONTHS MISSED
EVAPORATION	FEB 1968	FEB 2015	96.6	575	0
EVAPORIMETER - MAXIMUM WATER TEMPERATURE	NOV 1968	JUN 2011	97.0	452	0
GROUND MINIMUM TEMPERATURE	JUN 1972	FEB 2015	93.6	837	5
MAXIMUM AIR TEMPERATURE	JUL 1939	JUN 2025	97.3	76	25
MAXIMUM WIND GUST SPEED	MAR 1940	JUN 2025	97.2	369	16
SUNSHINE HOURS	NOV 1951	FEB 2015	96.0	901	0
WIND RUN ABOVE 10 FEET	MAR 1995	JUN 2025	97.6	263	0
WIND RUN BELOW 10 FEET	MAR 1969	FEB 2015	95.6	632	3
RAINFALL	JAN 1939	JUL 2025	99	N/A	N/A

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### Current status

<b>Station:</b> CEDUNA AMO			<b>Location:</b> CEDUNA AMO			<b>State:</b> SA	
<b>Bureau No.:</b> 018012		<b>WMO No.:</b> 94653		<b>Aviation ID:</b> YCDU		<b>Opened:</b> 01 Jan 1939	
<b>Latitude:</b> -32.1297		<b>Longitude:</b> 133.6976		<b>Elevation:</b> 15.3 m		<b>Barometer Elev:</b> 15.7 m	
						<b>Current Status:</b> Still open	
						<b>Metadata compiled:</b> 28 JUL 2025	

## HOURLY DATA HOLDINGS - from 1 to 24 observations per day

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
AIR TEMPERATURE	MAR 1939	JUN 2025	98.0	10.5	152	0
DEW POINT	MAR 1939	JUN 2025	97.9	10.5	162	0
MEAN SEA LEVEL PRESSURE	MAR 1939	JUN 2025	97.9	10.5	147	0
SEA STATE	NOV 2005	NOV 2005	10.0	1.0	27	0
SOIL TEMPERATURE - 10cm	JUL 2002	FEB 2015	88.1	2.0	491	0
TOTAL CLOUD AMOUNT	MAR 1939	JUN 2025	92.6	6.4	1010	1
WIND SPEED	MAR 1939	JUN 2025	98.7	10.7	141	0
UPPER AIR TEMPERATURE	DEC 2011	JUN 2025	18.3	1.3	3763	3
UPPER AIR WIND SPEED	JAN 1950	JUN 2025	75.9	3.2	4075	17

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<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939	<b>Current Status:</b>	Still open
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m	<b>Metadata compiled:</b>	28 JUL 2025

RAINFALL INTENSITY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	SINGLE DAYS MISSED	FULL MONTHS MISSED
RAINFALL INTENSITY	JAN 1954	SEP 2016	77.2	1591	119

ONE-MINUTE DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	OCT 2003	JUL 2025	99.7	1435.0	N/A	0

HALF-HOURLY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	APR 1992	JUL 2025	103.9	49.9	N/A	0

UPPER-AIR EDT DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
Wind only flights	Sep 2005	Jan 2017	N/A	2.2	336	45
Wind, temperature and pressure flights	Dec 2011	Mar 2017	N/A	1.1	1448	0

Holdings calculated up to 01 Jul 2025

The % complete figure is the completeness of observations averaged over all months of record, for the given station and observation type, taking gaps into account. For hourly holdings, the completeness is relative to the maximum number of daily observations for the site each month, and is therefore an estimate. For daily holdings, the completeness figure shown is exact.

The single days missed figure is the total number of days for which no observation was received, not including full missed months. The full months missed figure is the total of full month gaps over the period of record. Where an element is not included assumptions can generally be made about availability, and the list to use has been suggested below.

Unlisted element

- Minimum air temperature
- Wet bulb temperature
- Soil temperature at 20, 50 & 100cm
- Relative humidity
- Minimum temp. of water in evaporimeter
- Visual observations eg. weather, visibility
- Sea related observations

Listed element to use

- Maximum air temperature
- Dew point
- 10cm soil temperature
- Dew point
- Evaporimeter - max water temp
- Total cloud amount
- Sea state

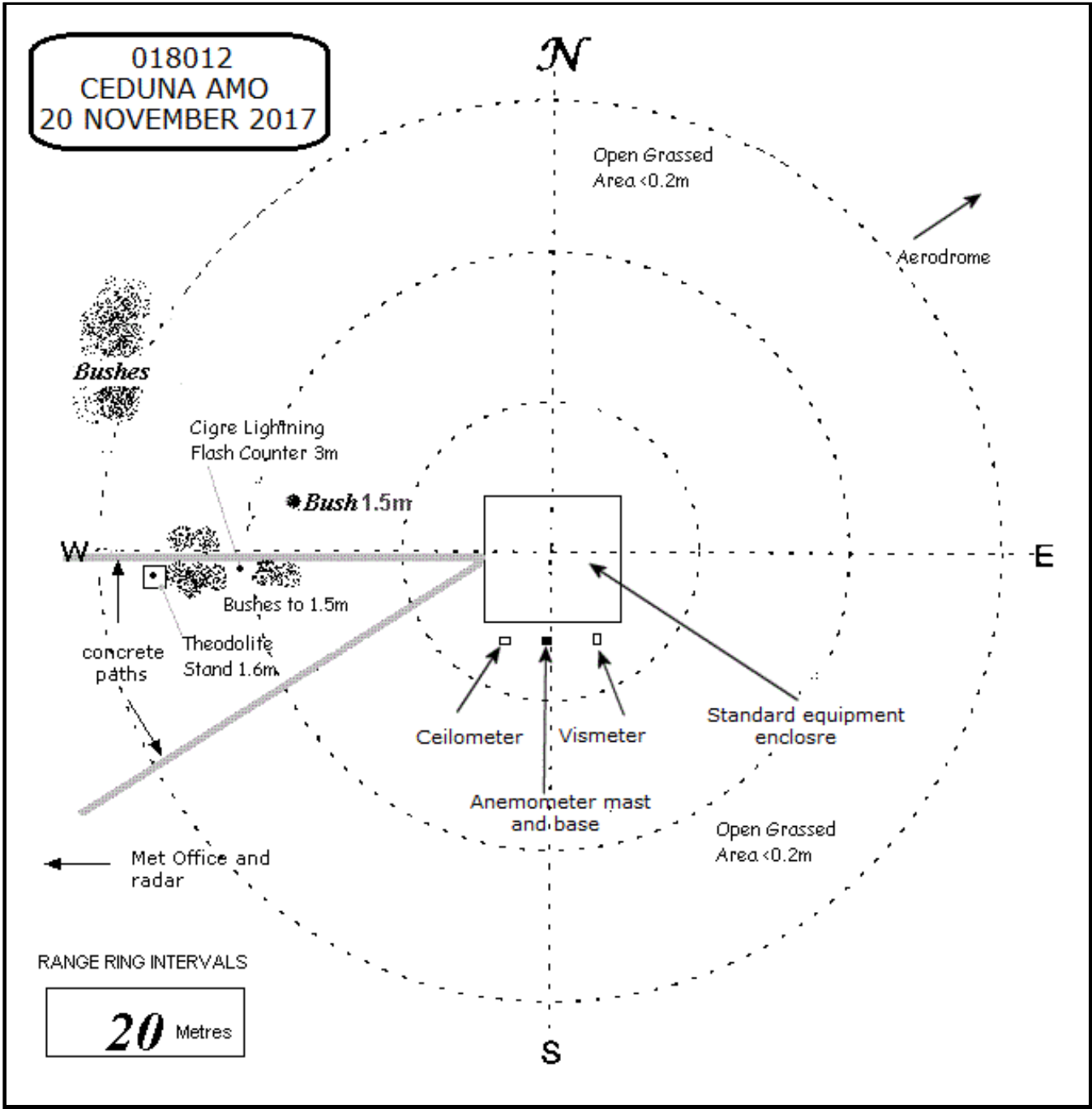
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Extended Climatological Station Metadata  
All History

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Instrument Location and Surrounding Features  
20/11/2017(most recent)



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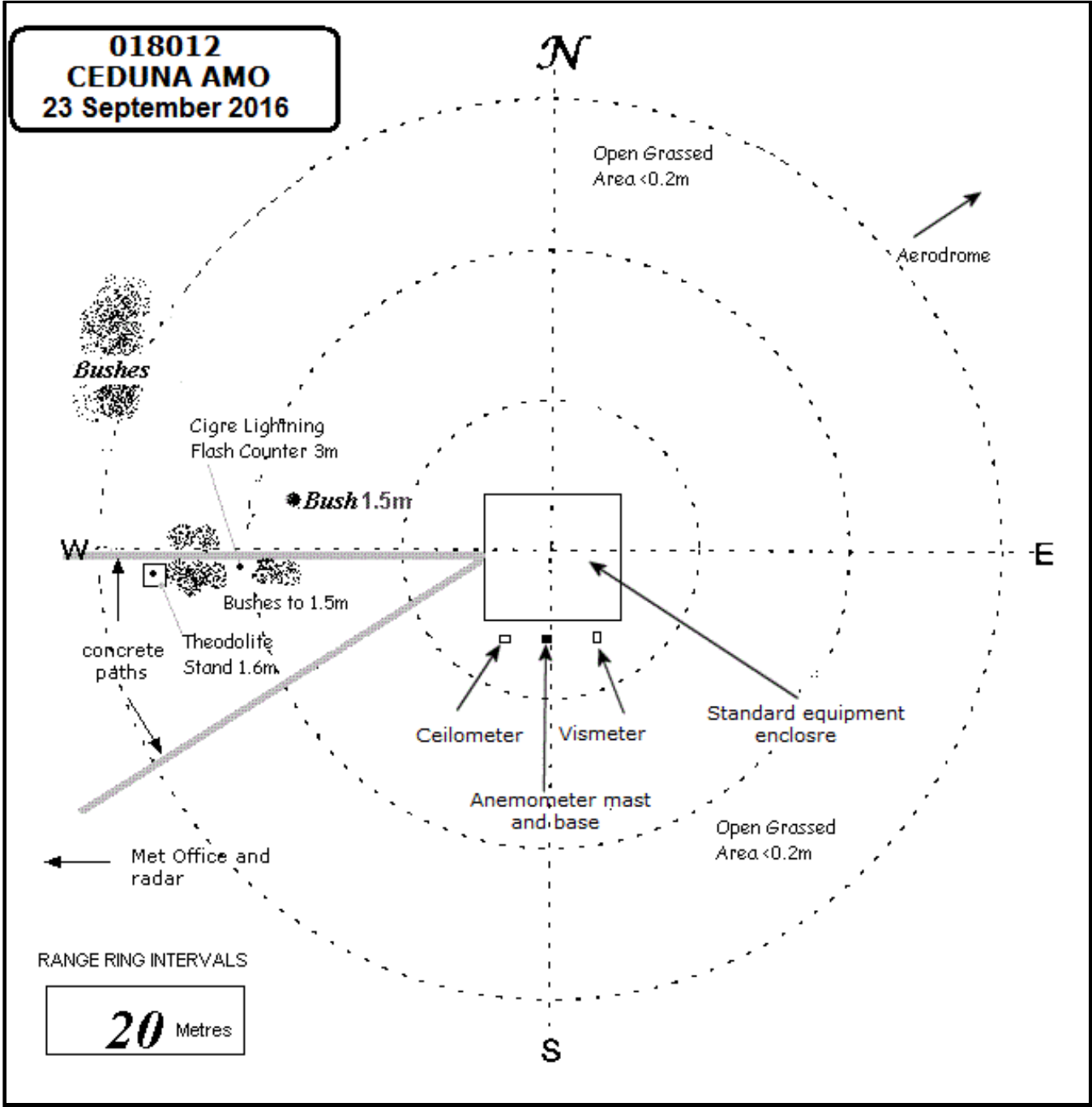
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Instrument Location and Surrounding Features  
23/09/2016



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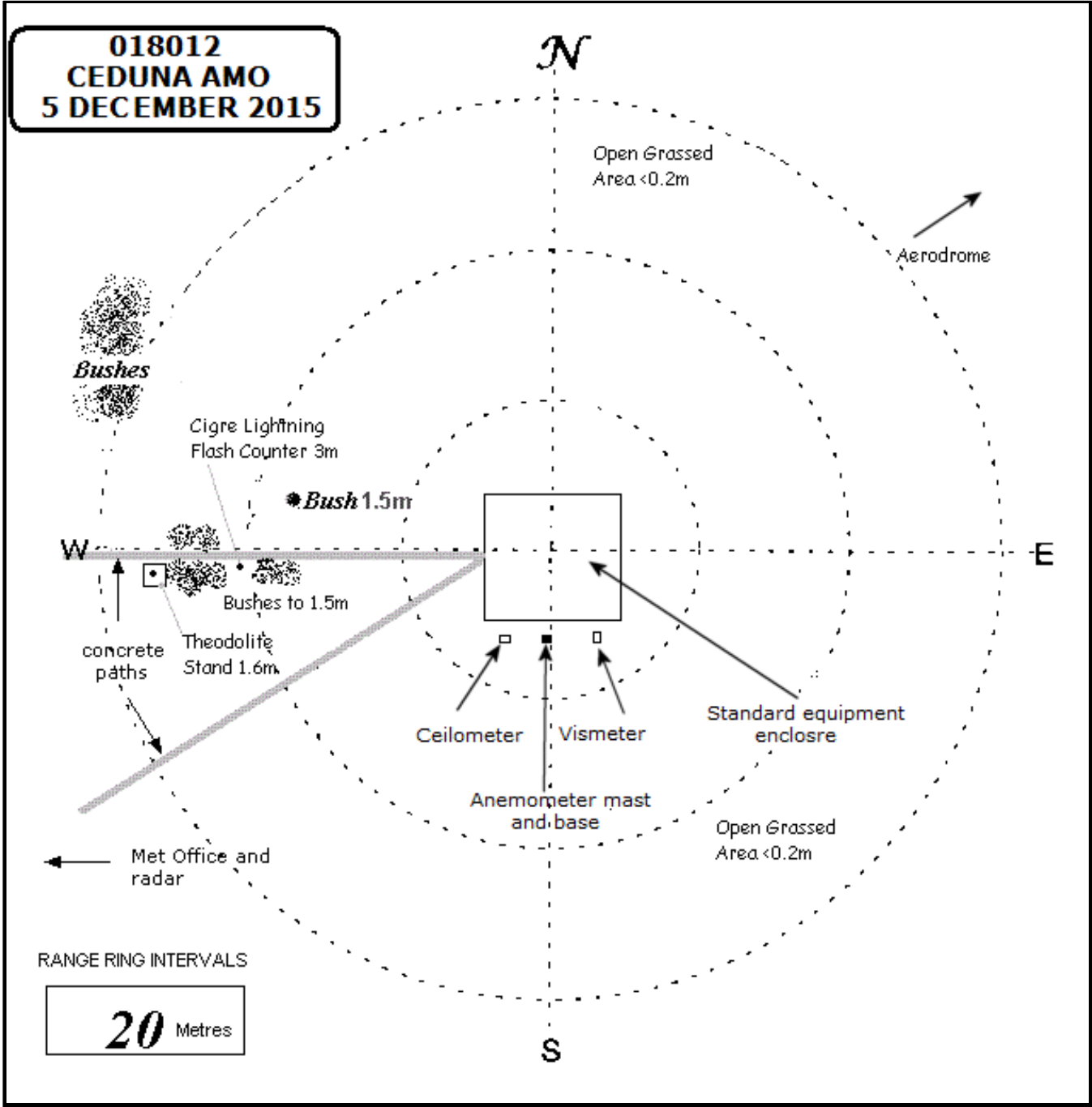
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Instrument Location and Surrounding Features  
05/12/2015



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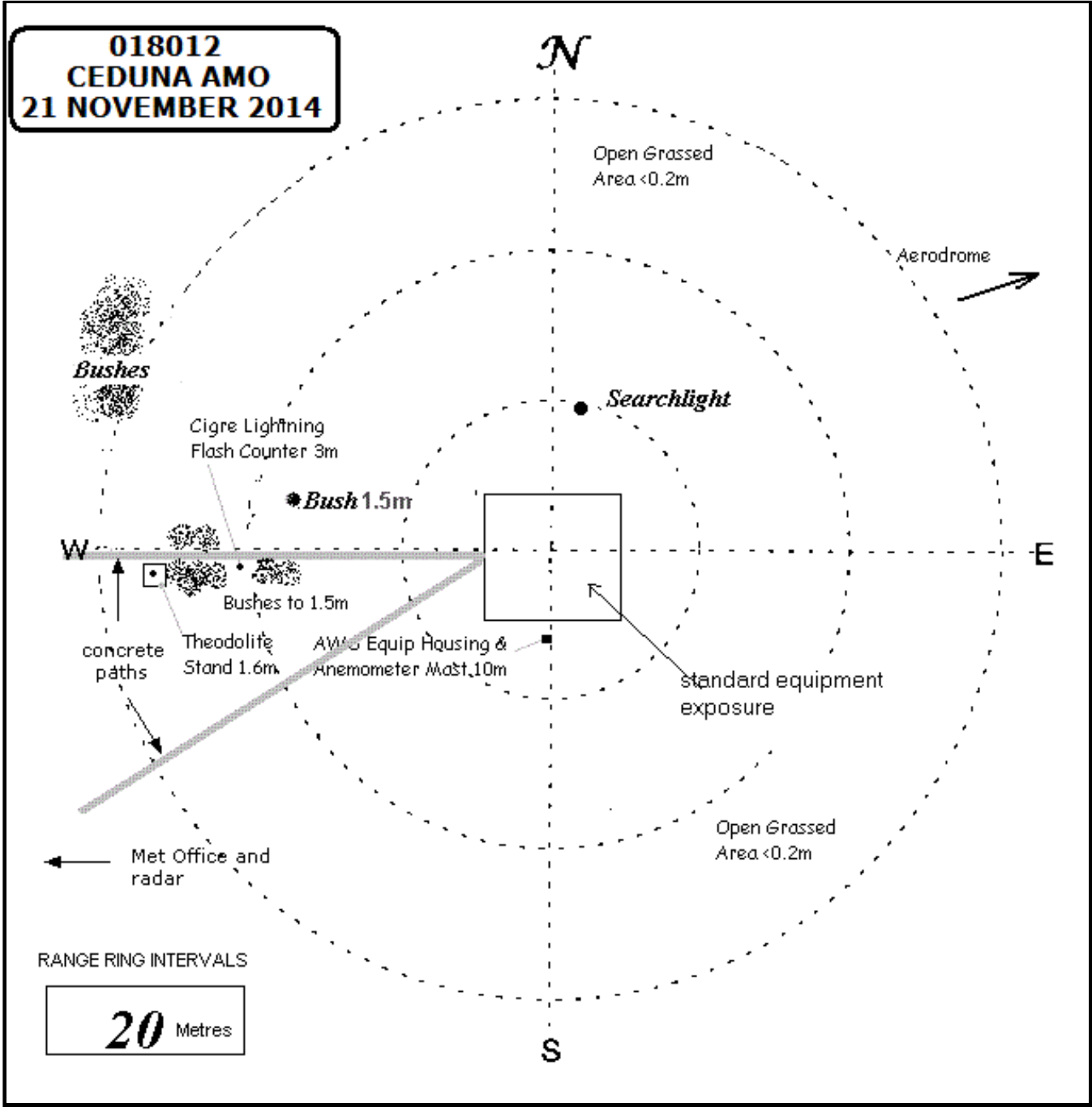
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Instrument Location and Surrounding Features  
21/11/2014



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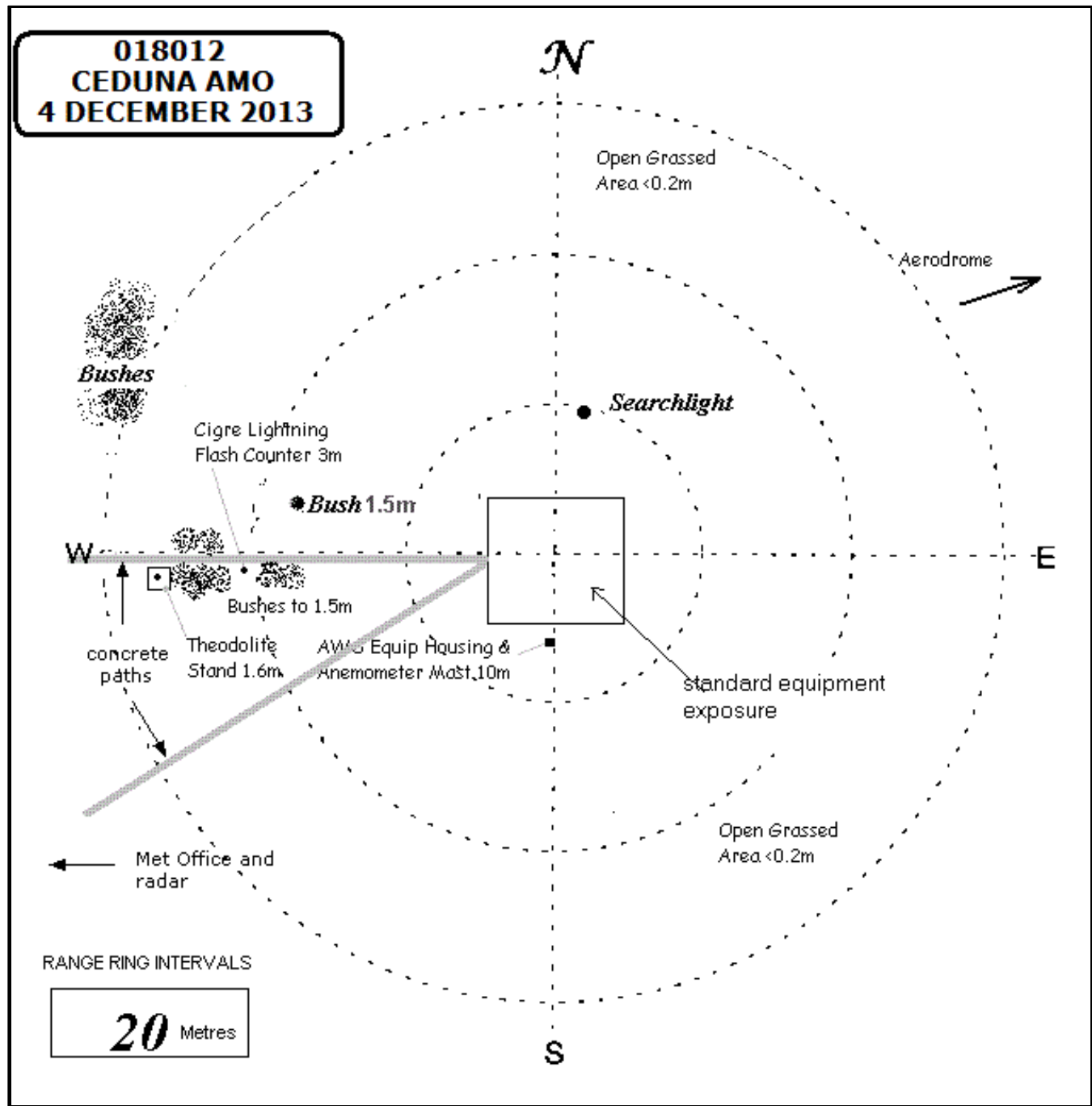
## Extended Climatological Station Metadata

All History

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### Instrument Location and Surrounding Features

04/12/2013



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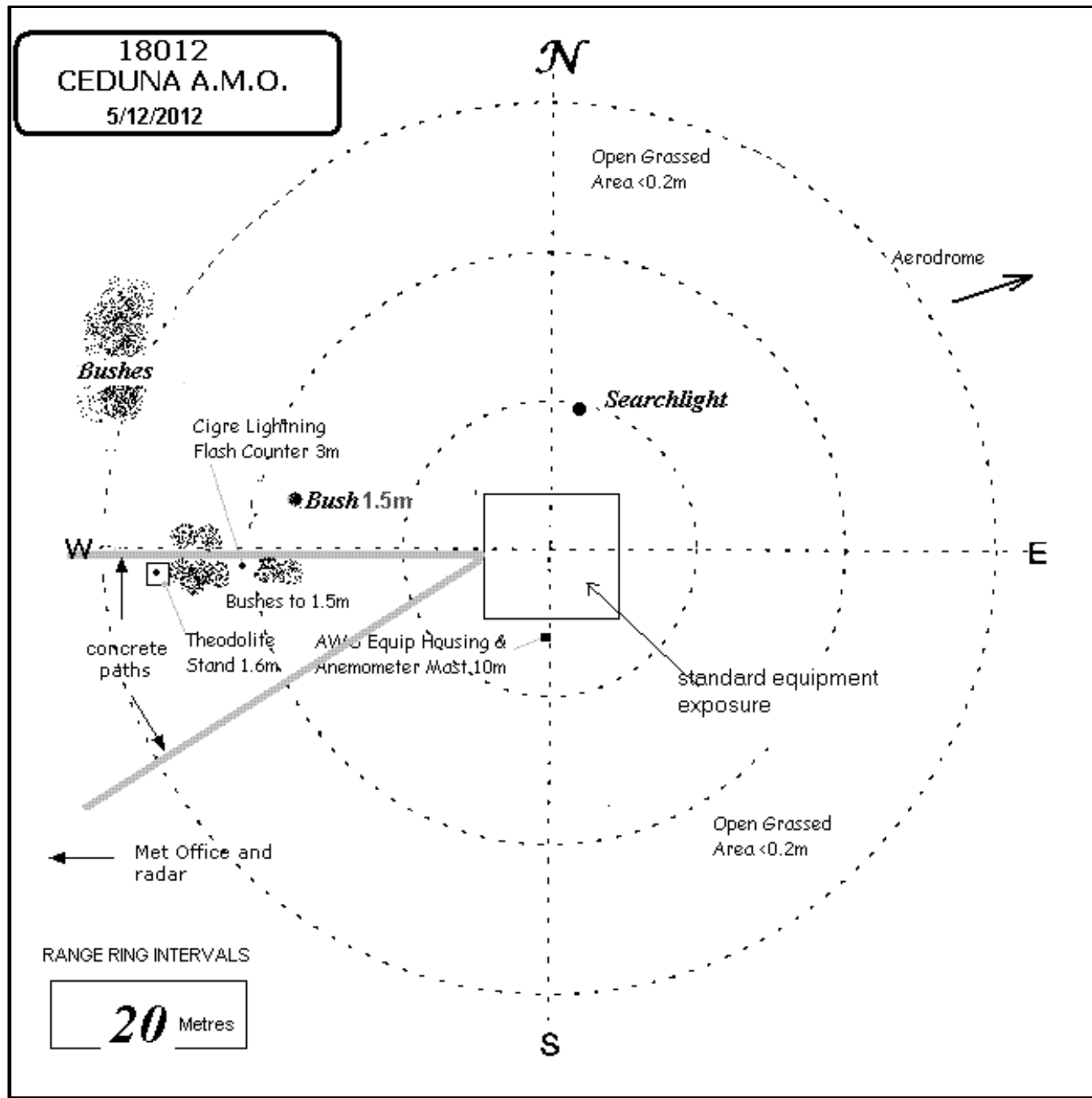
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All History

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### Instrument Location and Surrounding Features

05/12/2012



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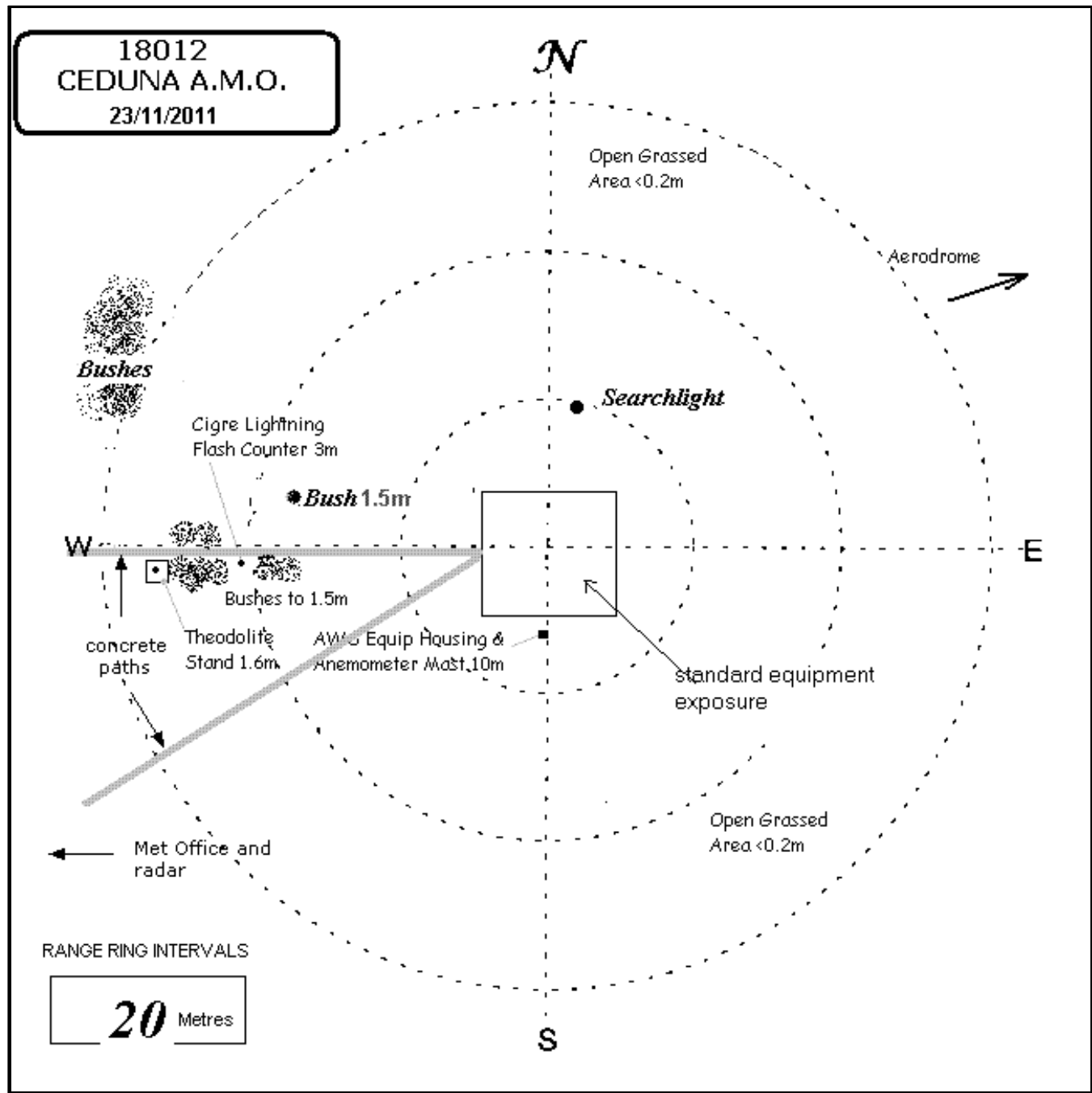
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All History

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### Instrument Location and Surrounding Features

23/11/2011



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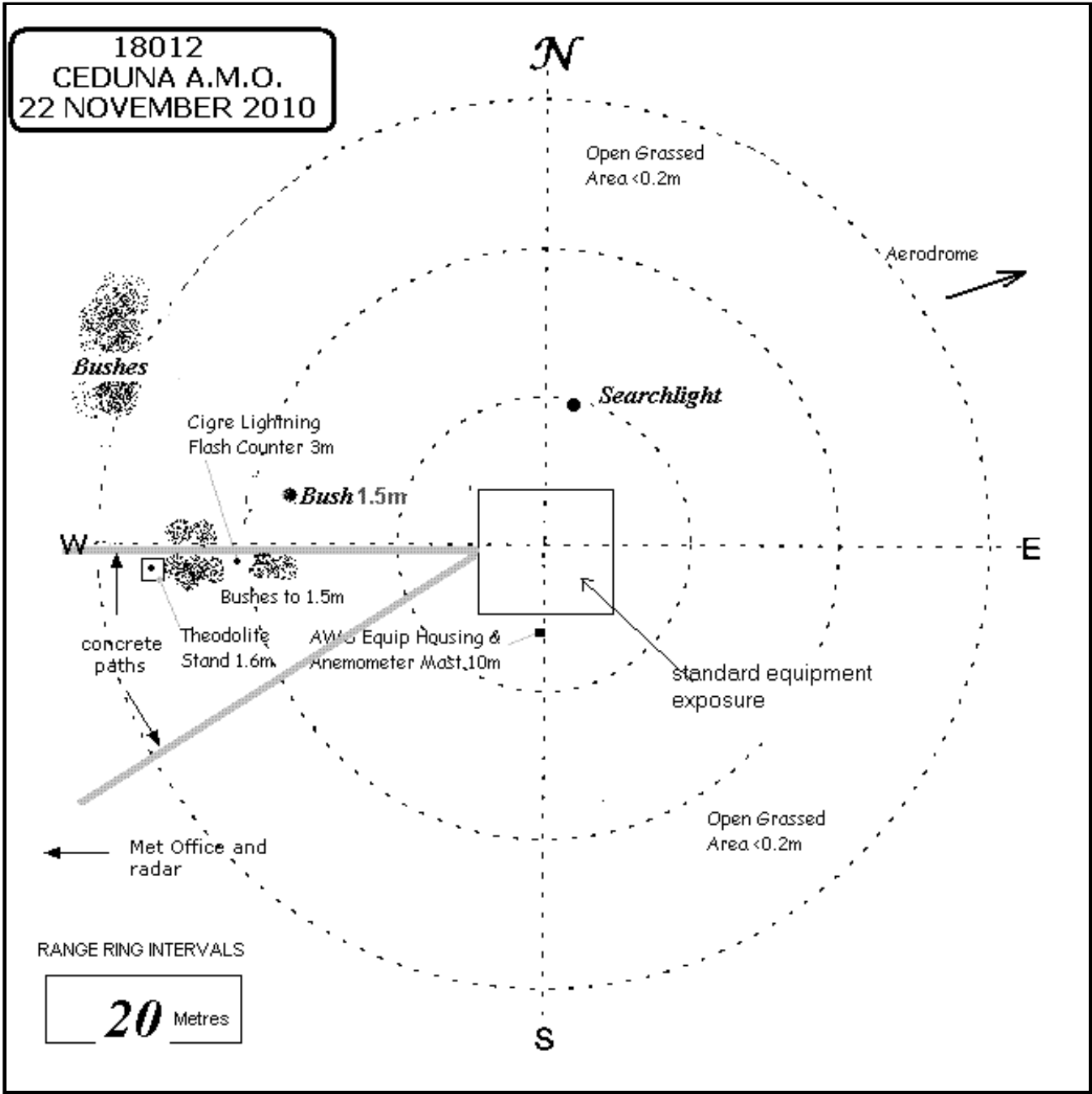
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All History

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Instrument Location and Surrounding Features  
22/11/2010



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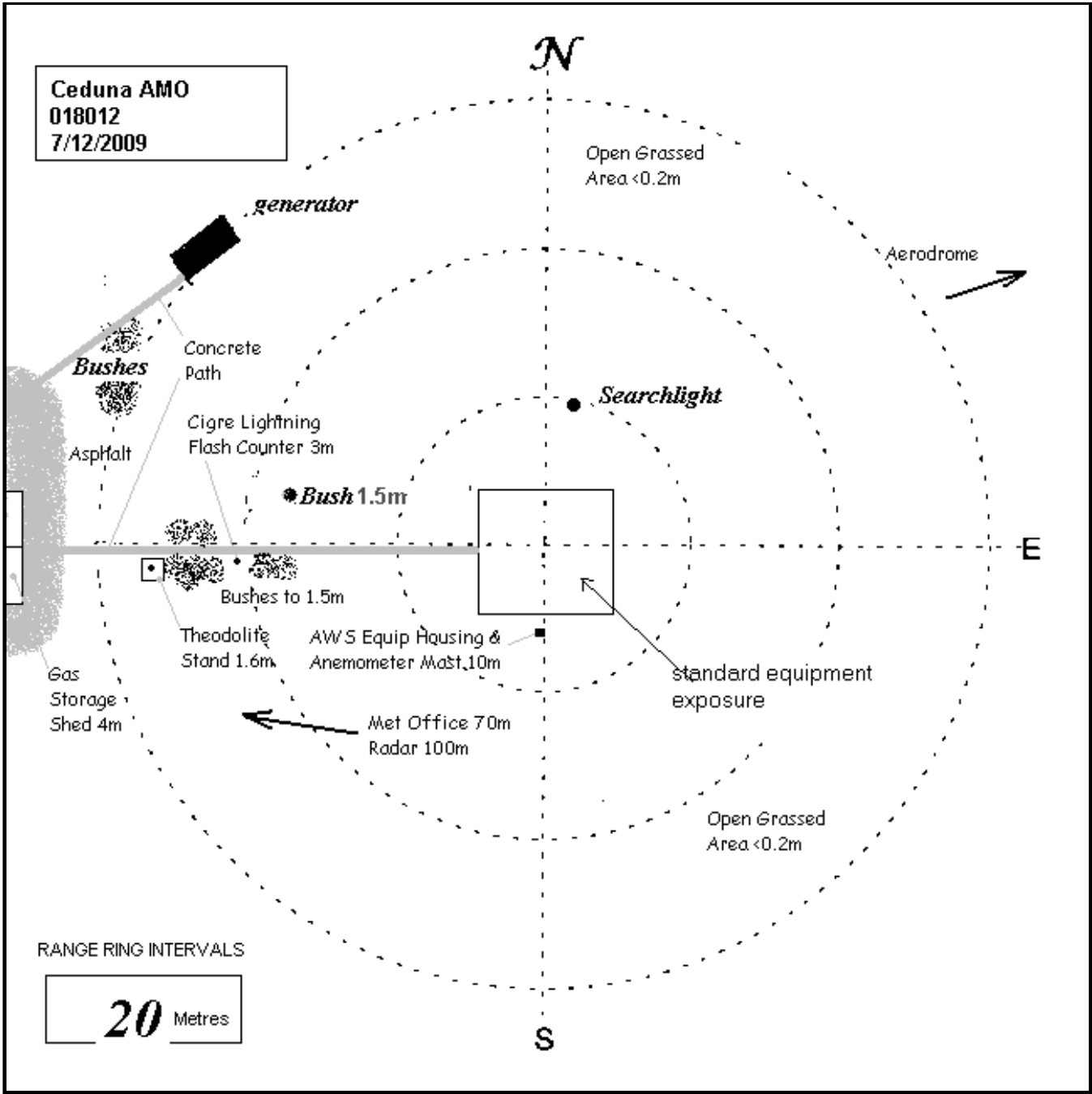
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Instrument Location and Surrounding Features  
07/12/2009



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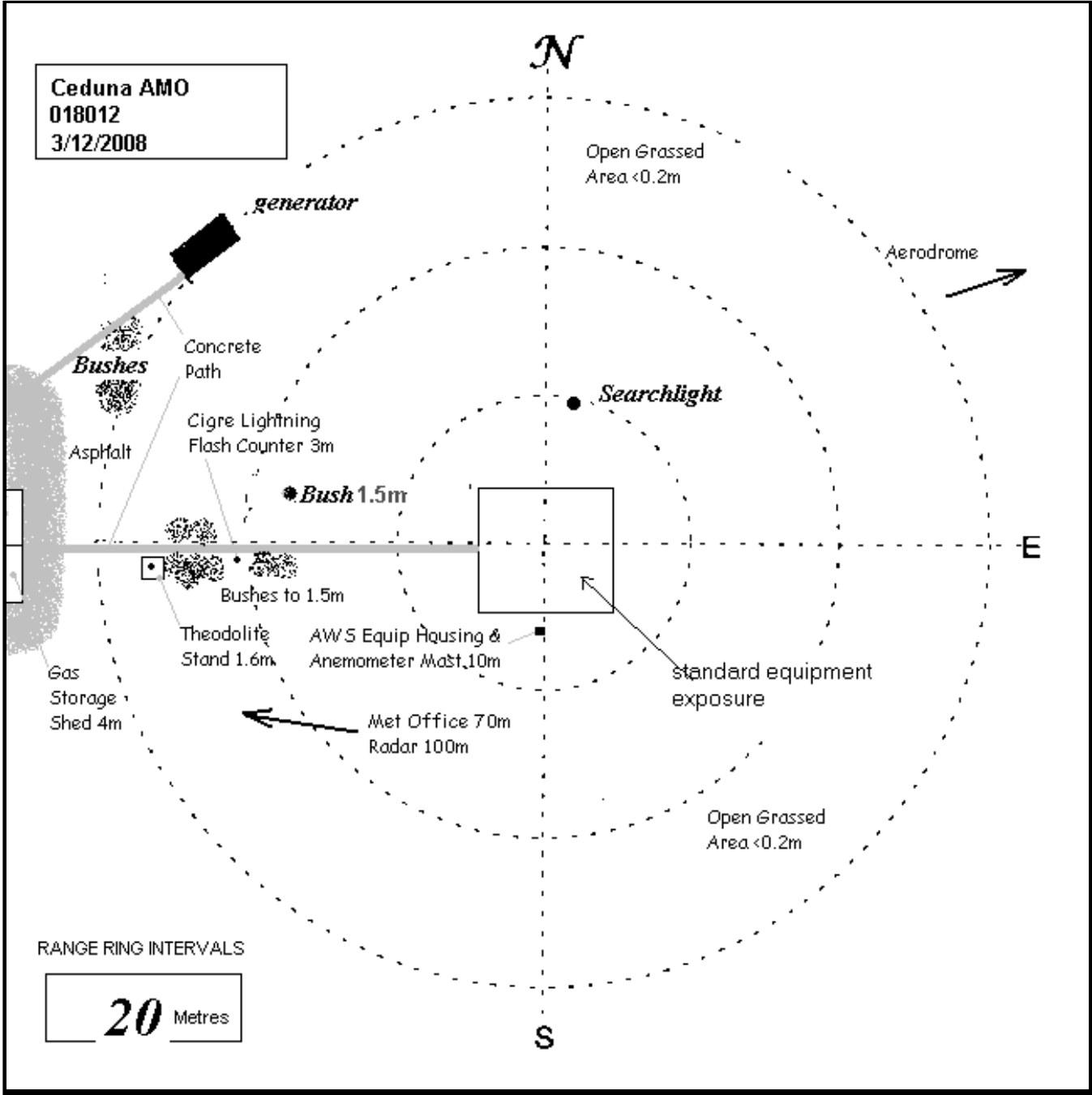
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Instrument Location and Surrounding Features  
03/12/2008



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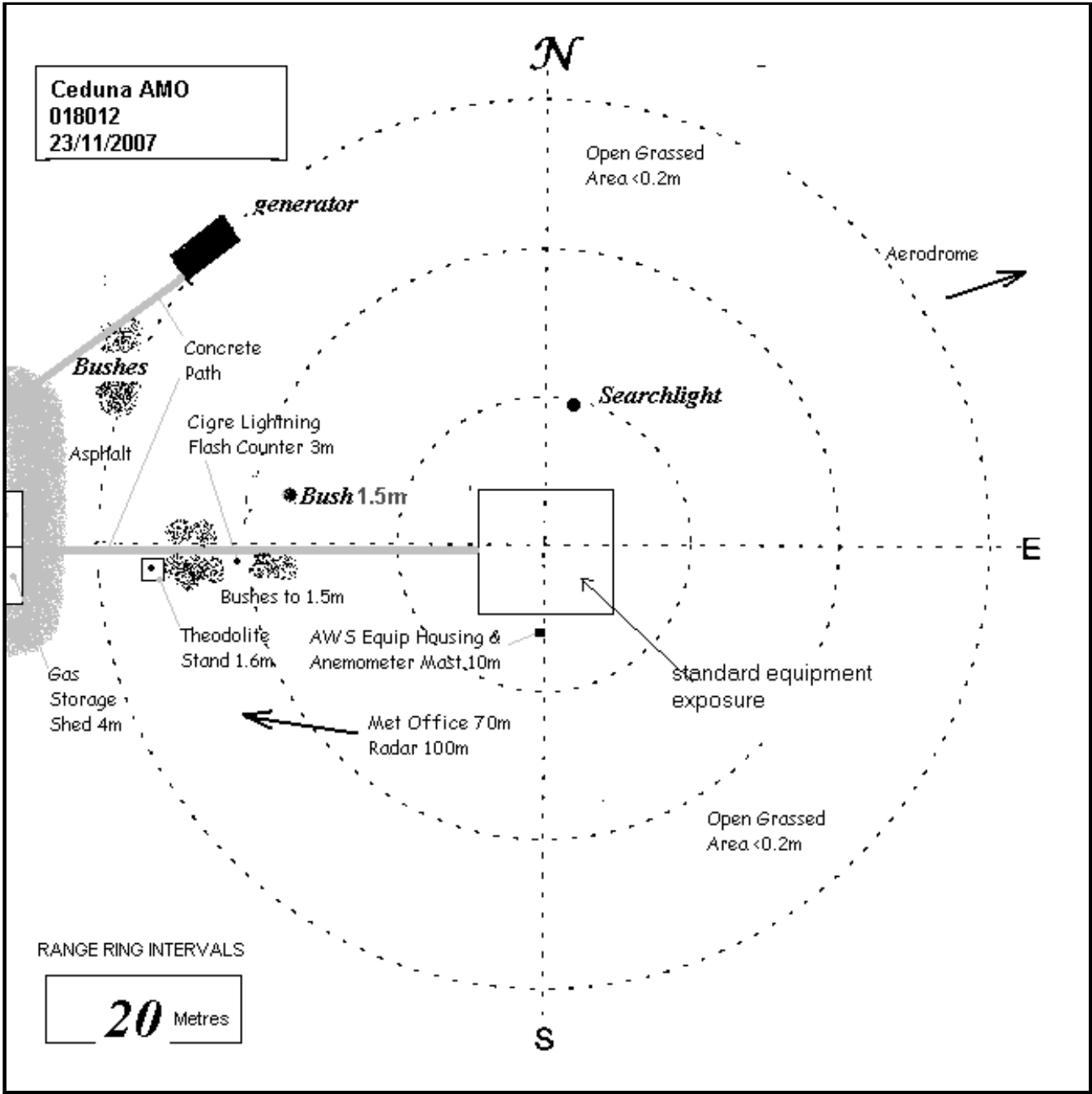
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Instrument Location and Surrounding Features  
23/11/2007



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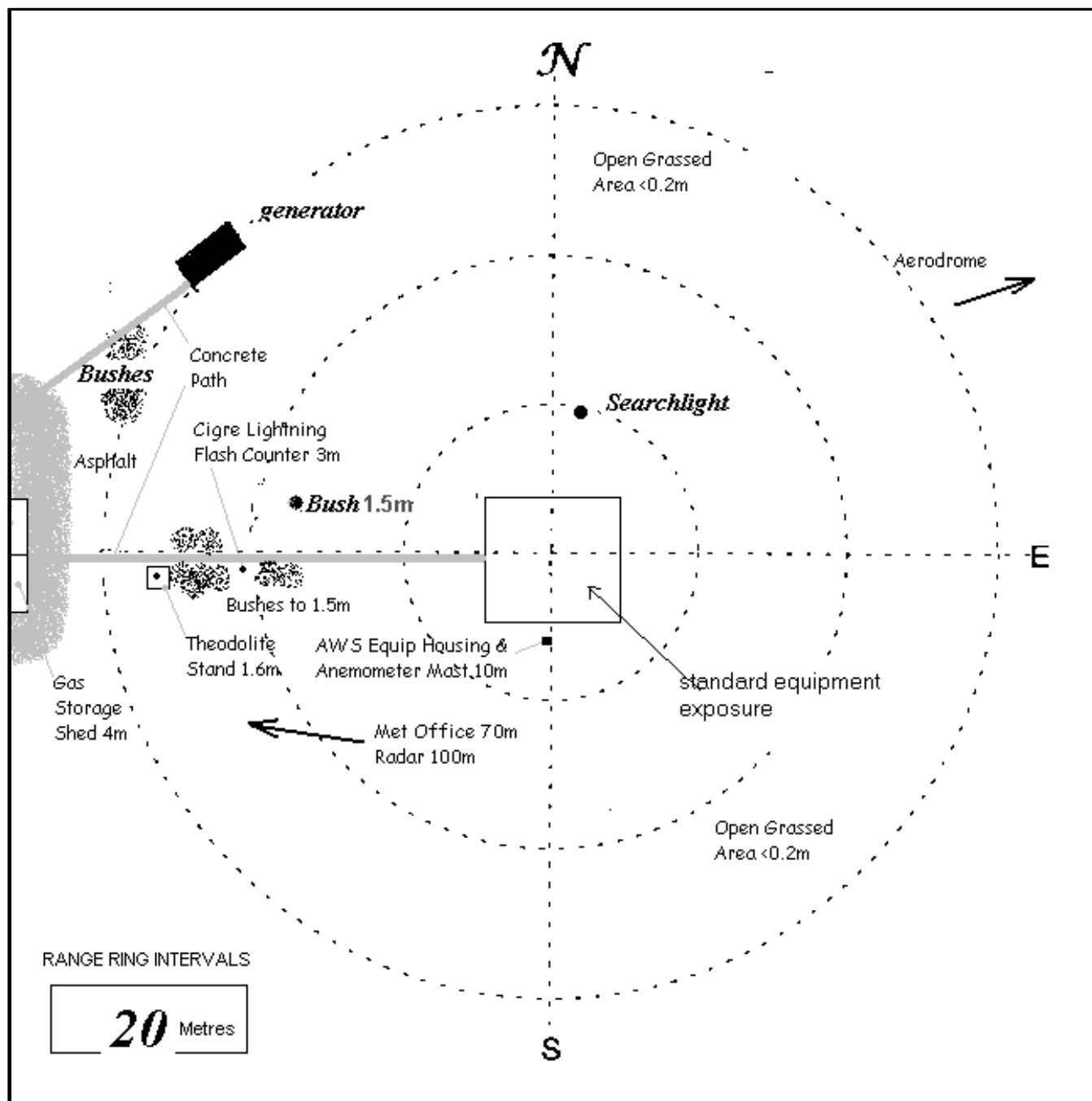
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### Instrument Location and Surrounding Features

30/11/2006



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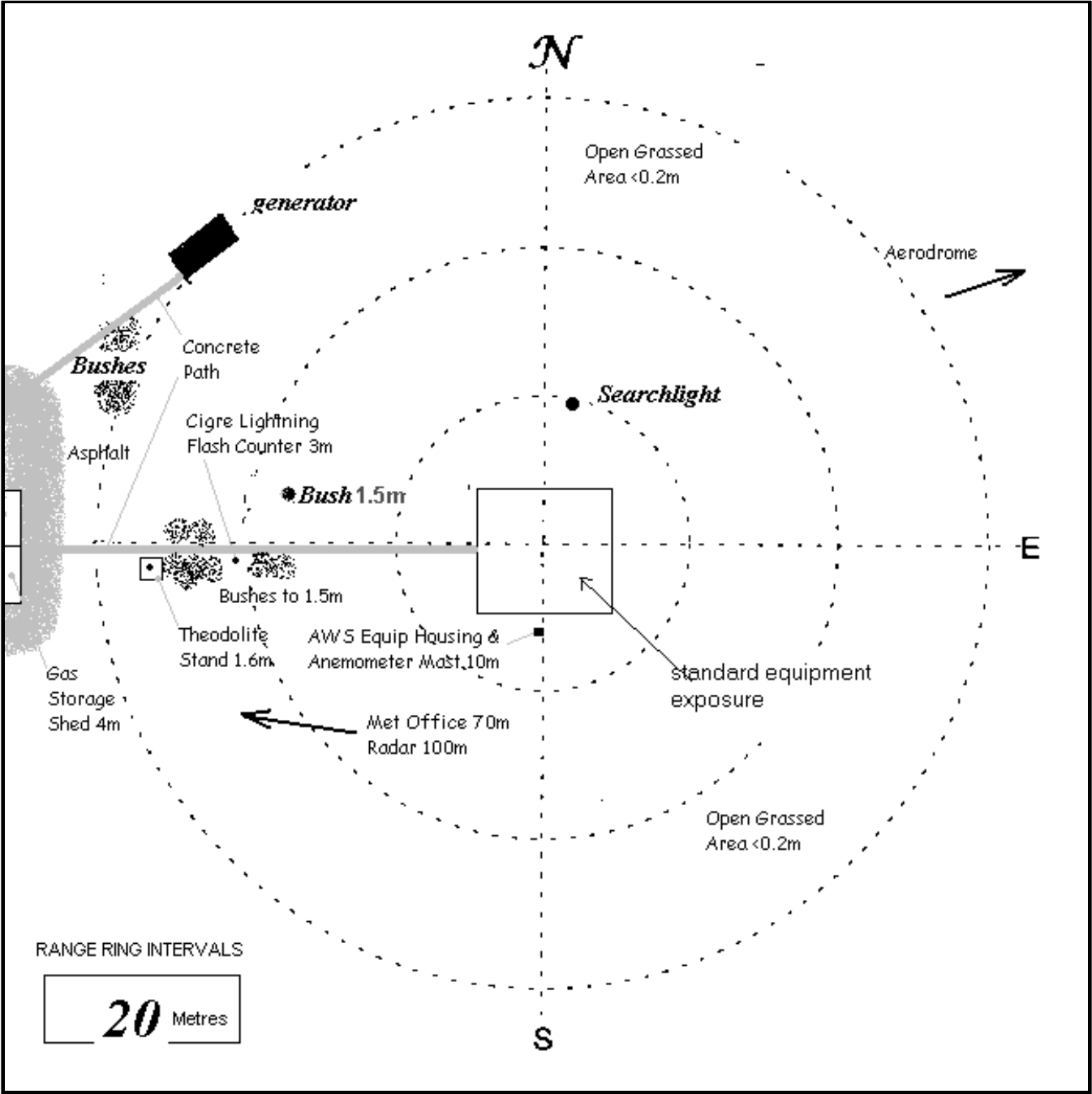




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Instrument Location and Surrounding Features  
02/12/2005



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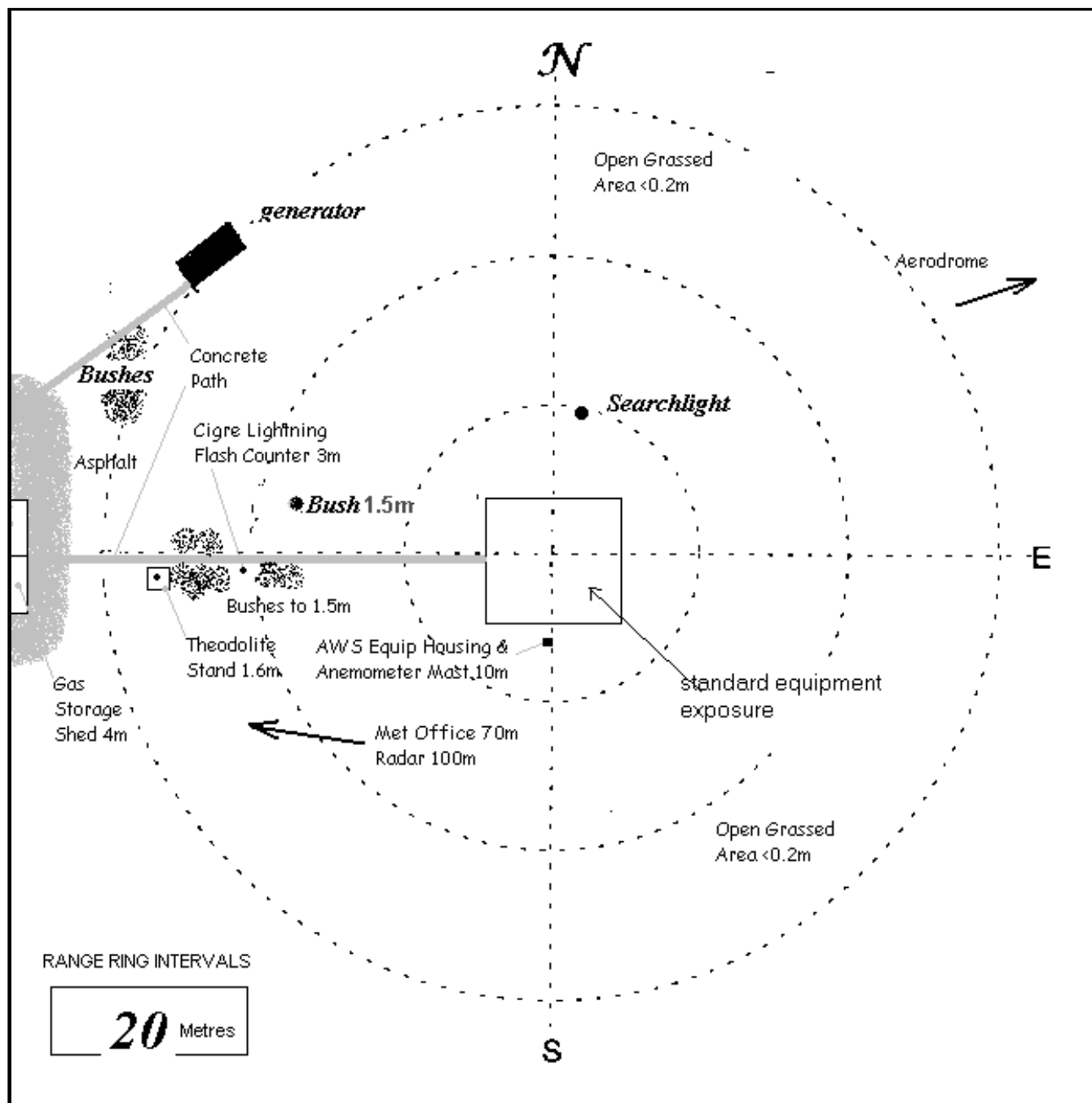
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04/06/2005



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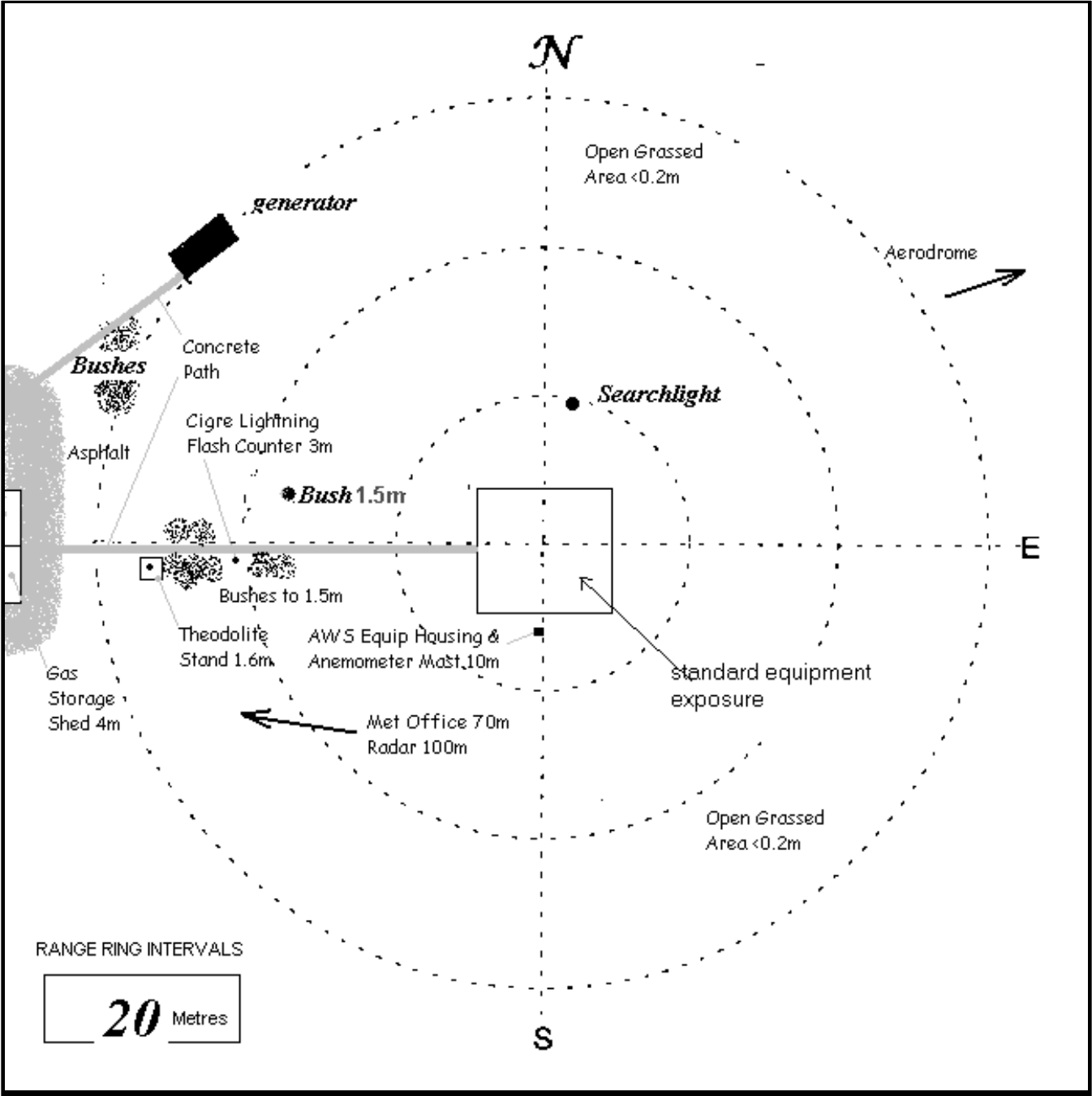
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Extended Climatological Station Metadata  
All History

<b>Station:</b> CEDUNA AMO			<b>Location:</b> CEDUNA AMO			<b>State:</b> SA	
<b>Bureau No.:</b> 018012		<b>WMO No.:</b> 94653		<b>Aviation ID:</b> YCDU		<b>Opened:</b> 01 Jan 1939	
<b>Latitude:</b> -32.1297		<b>Longitude:</b> 133.6976		<b>Elevation:</b> 15.3 m		<b>Barometer Elev:</b> 15.7 m	
						<b>Current Status:</b> Still open	
						<b>Metadata compiled:</b> 28 JUL 2025	

Instrument Location and Surrounding Features  
28/11/2004



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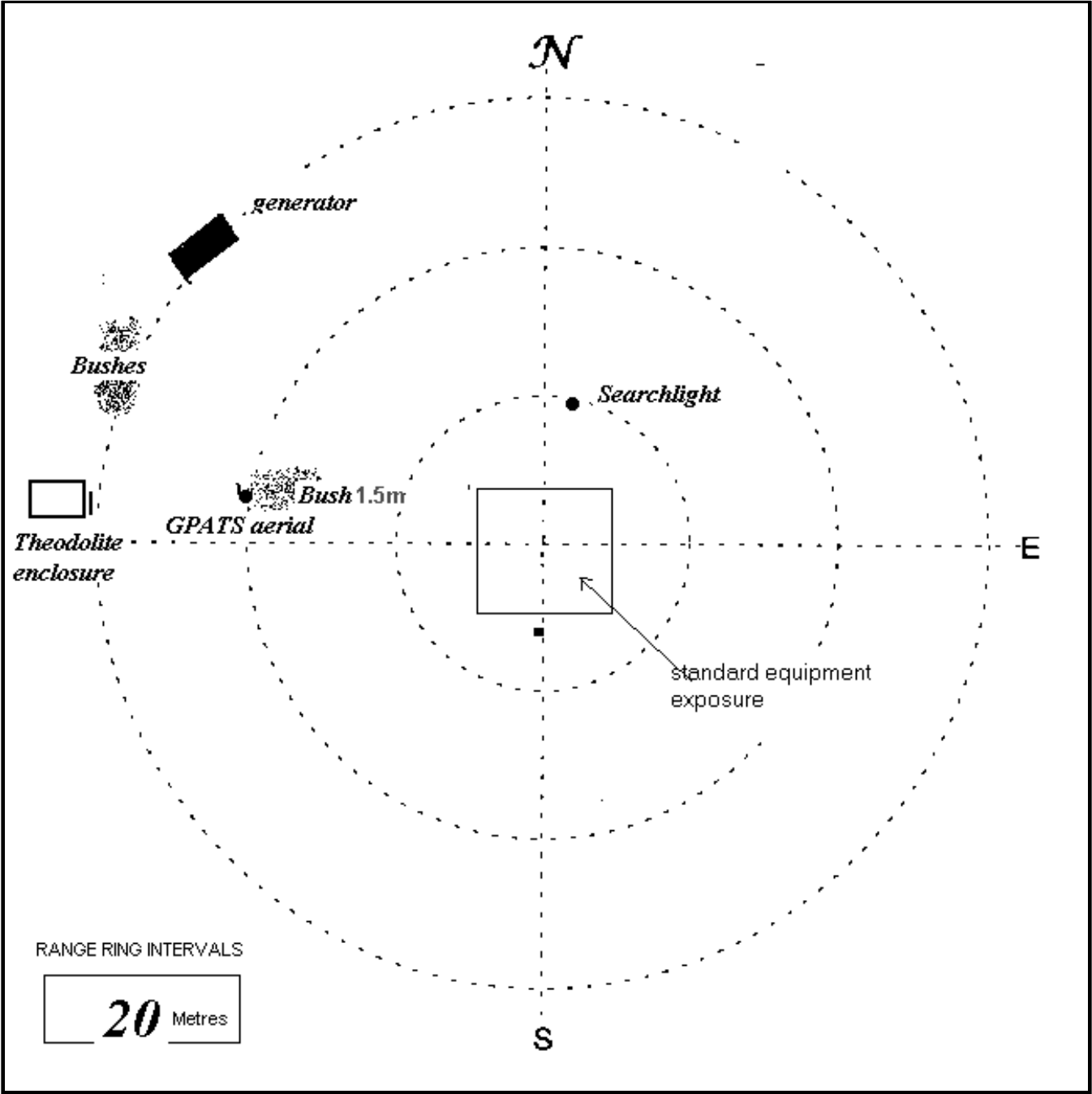
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Extended Climatological Station Metadata  
All History

Station:	CEDUNA AMO		Location:	CEDUNA AMO		State:	SA
Bureau No.:	018012	WMO No.:	94653	Aviation ID:	YCDU	Opened:	01 Jan 1939
Latitude:	-32.1297	Longitude:	133.6976	Elevation:	15.3 m	Barometer Elev:	15.7 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
26/10/2002



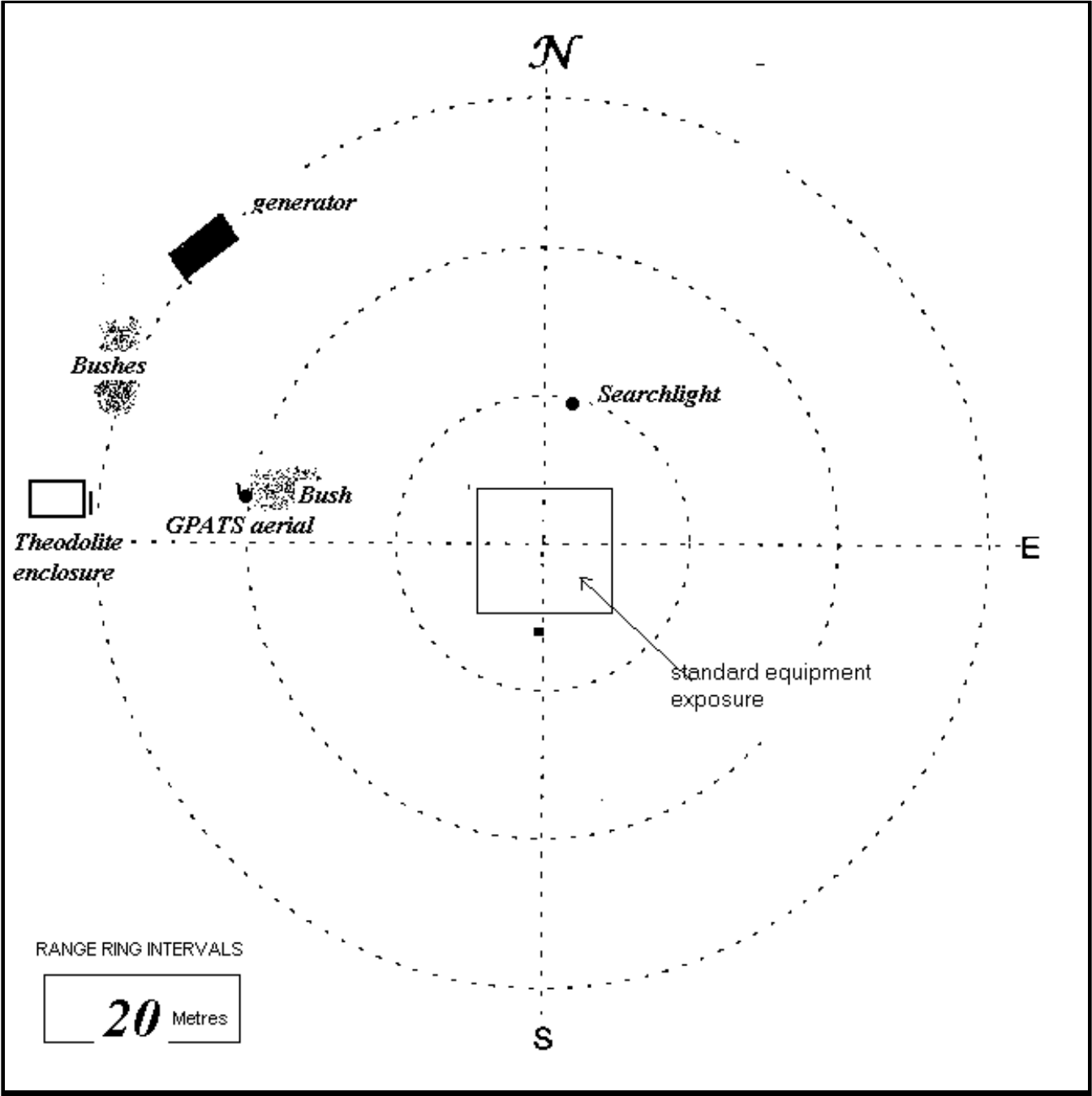
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Extended Climatological Station Metadata  
All History

Station:	CEDUNA AMO		Location:	CEDUNA AMO		State:	SA
Bureau No.:	018012	WMO No.:	94653	Aviation ID:	YCDU	Opened:	01 Jan 1939
Latitude:	-32.1297	Longitude:	133.6976	Elevation:	15.3 m	Barometer Elev:	15.7 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
19/09/1999



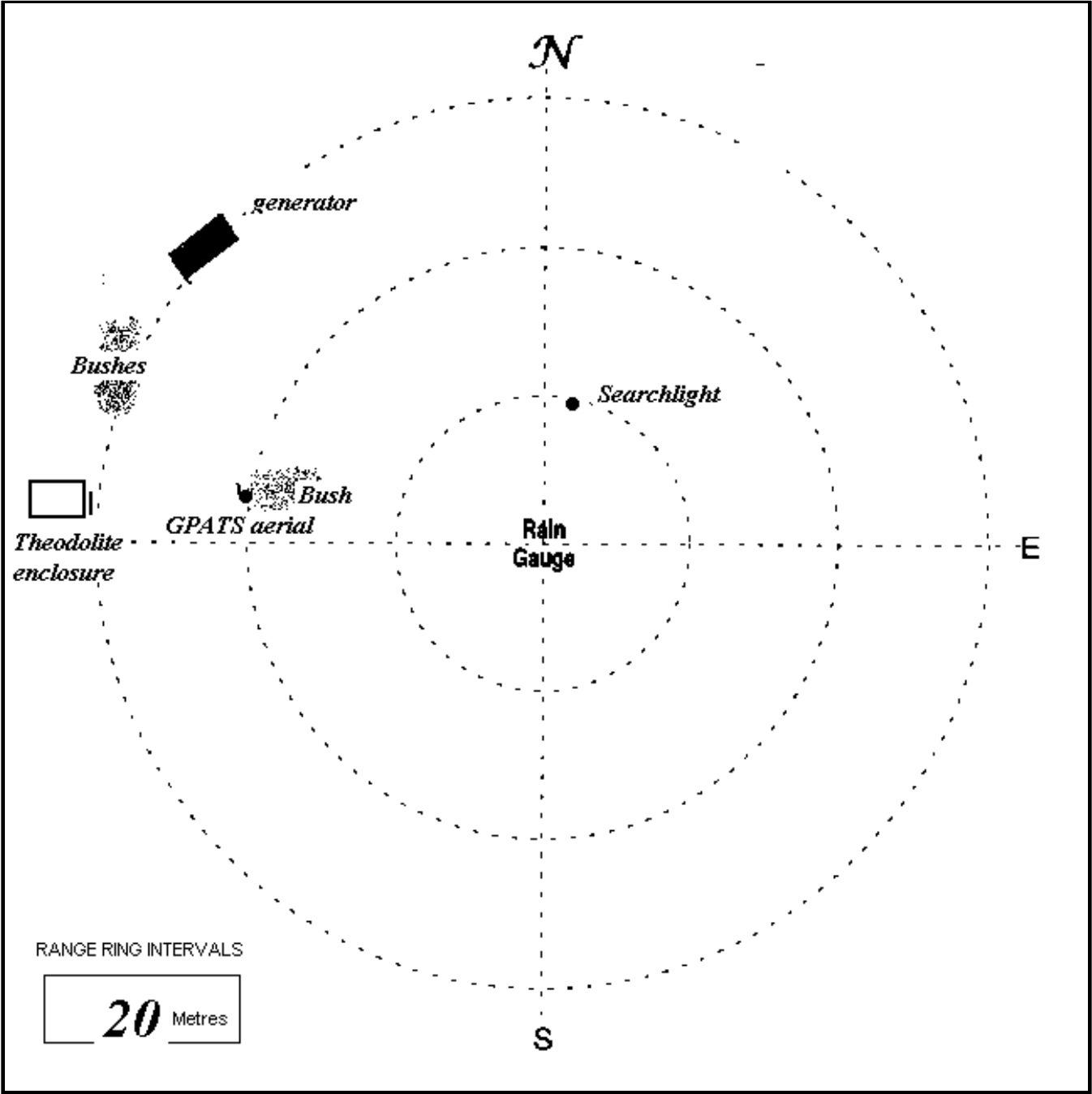
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Extended Climatological Station Metadata  
All History

Station:	CEDUNA AMO		Location:	CEDUNA AMO		State:	SA
Bureau No.:	018012	WMO No.:	94653	Aviation ID:	YCDU	Opened:	01 Jan 1939
Latitude:	-32.1297	Longitude:	133.6976	Elevation:	15.3 m	Barometer Elev:	15.7 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
21/05/1999



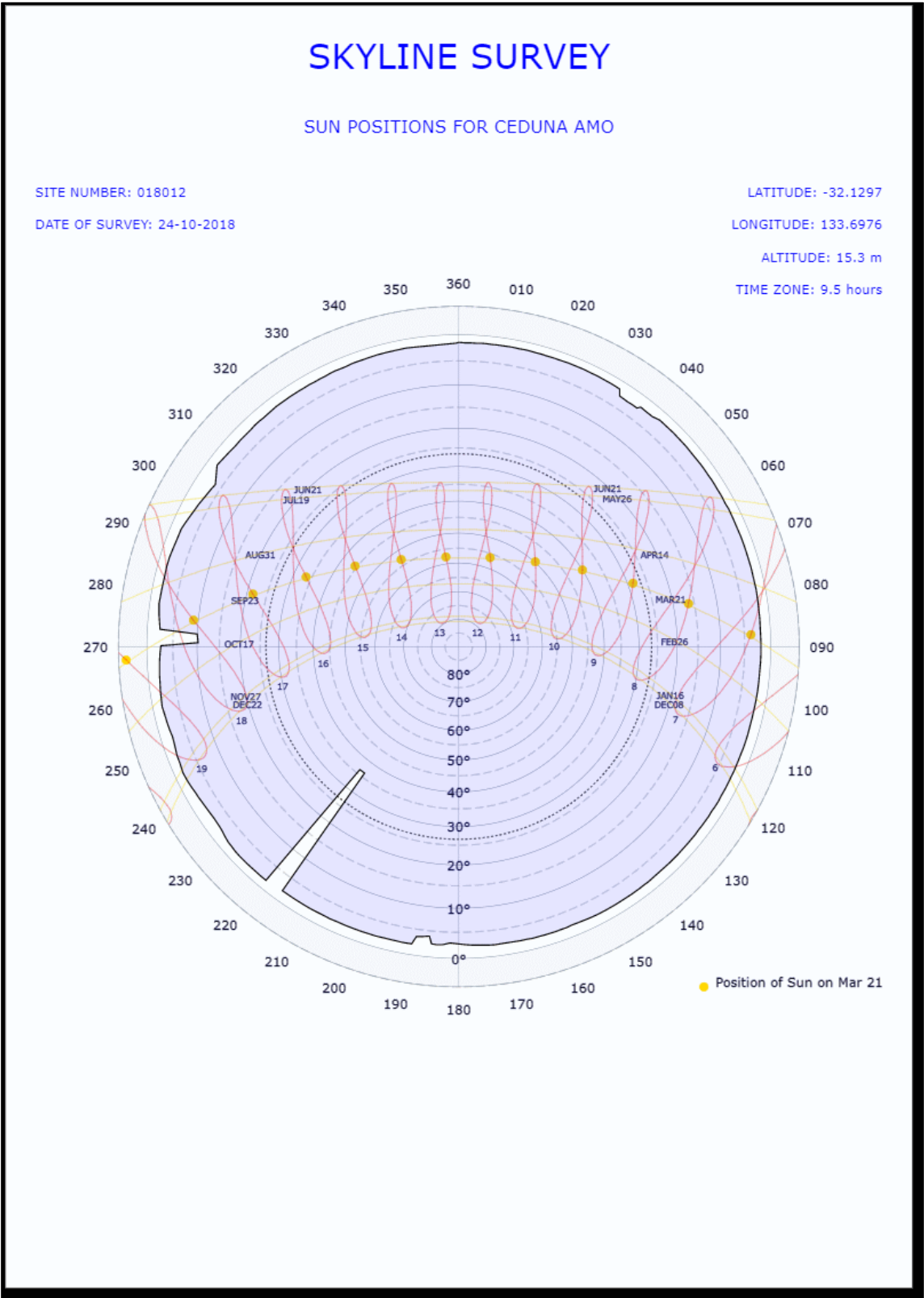
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Extended Climatological Station Metadata  
All History

Station:	CEDUNA AMO		Location:	CEDUNA AMO		State:	SA
Bureau No.:	018012	WMO No.:	94653	Aviation ID:	YCDU	Opened:	01 Jan 1939
Latitude:	-32.1297	Longitude:	133.6976	Elevation:	15.3 m	Barometer Elev:	15.7 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Skyline Diagram  
24/10/2018(most recent)



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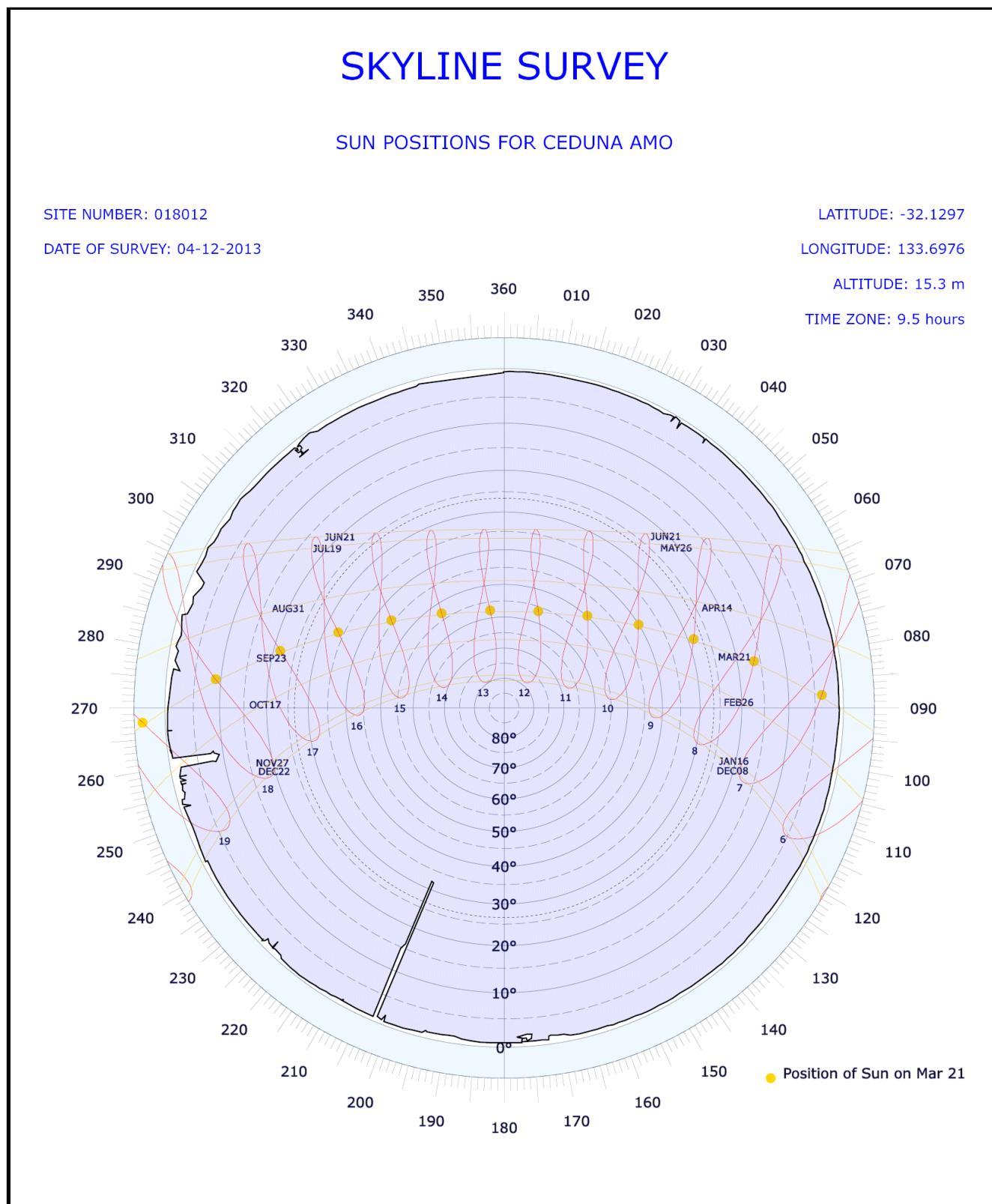
## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO	<b>Location:</b>	CEDUNA AMO	<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Opened:</b>	01 Jan 1939
		<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
				<b>Current Status:</b>	Still open
				<b>Metadata compiled:</b>	28 JUL 2025

### Skyline Diagram

04/12/2013



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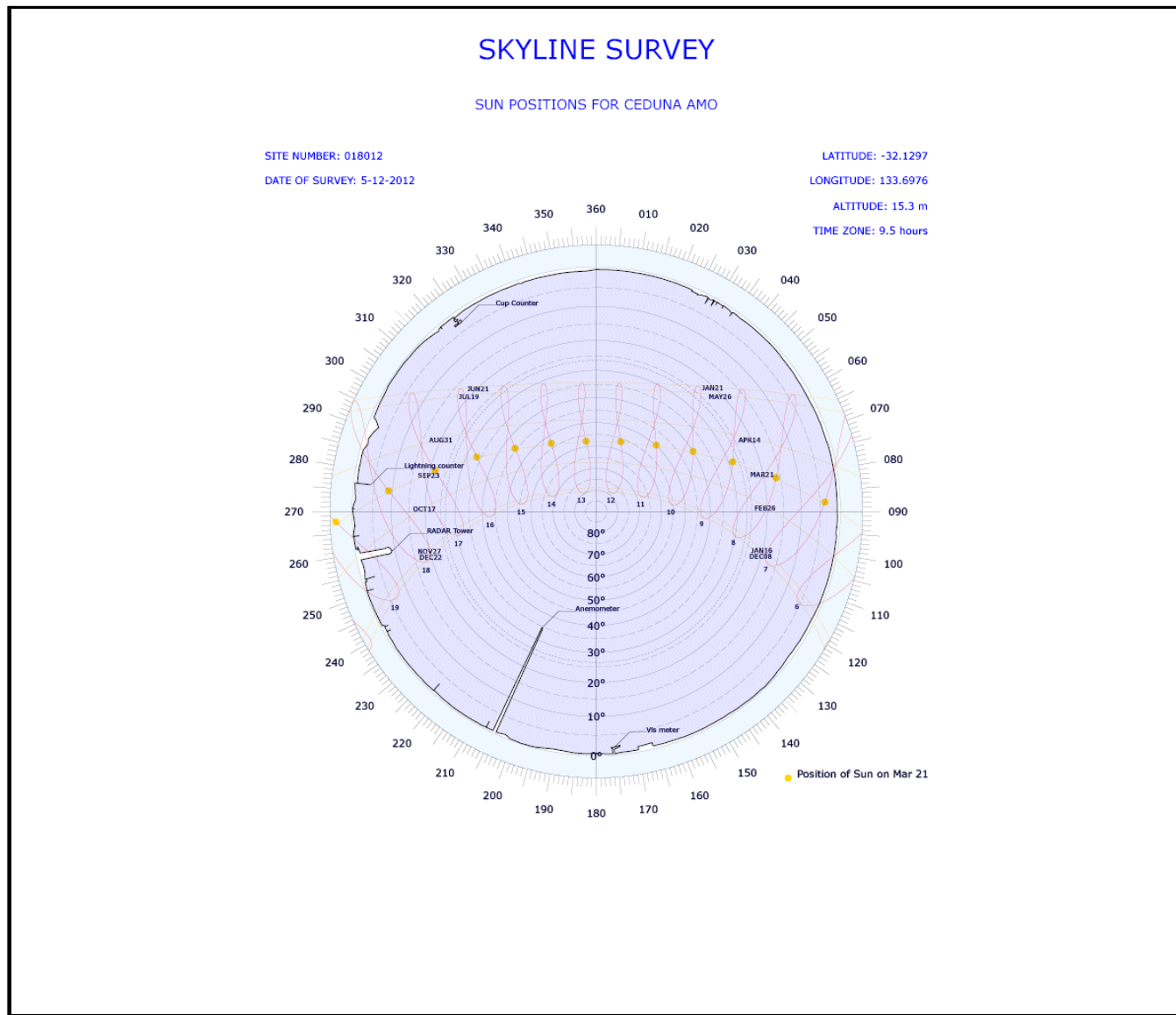
## Extended Climatological Station Metadata

### All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
						<b>Metadata compiled:</b>	28 JUL 2025

## Skyline Diagram

### 05/12/2012



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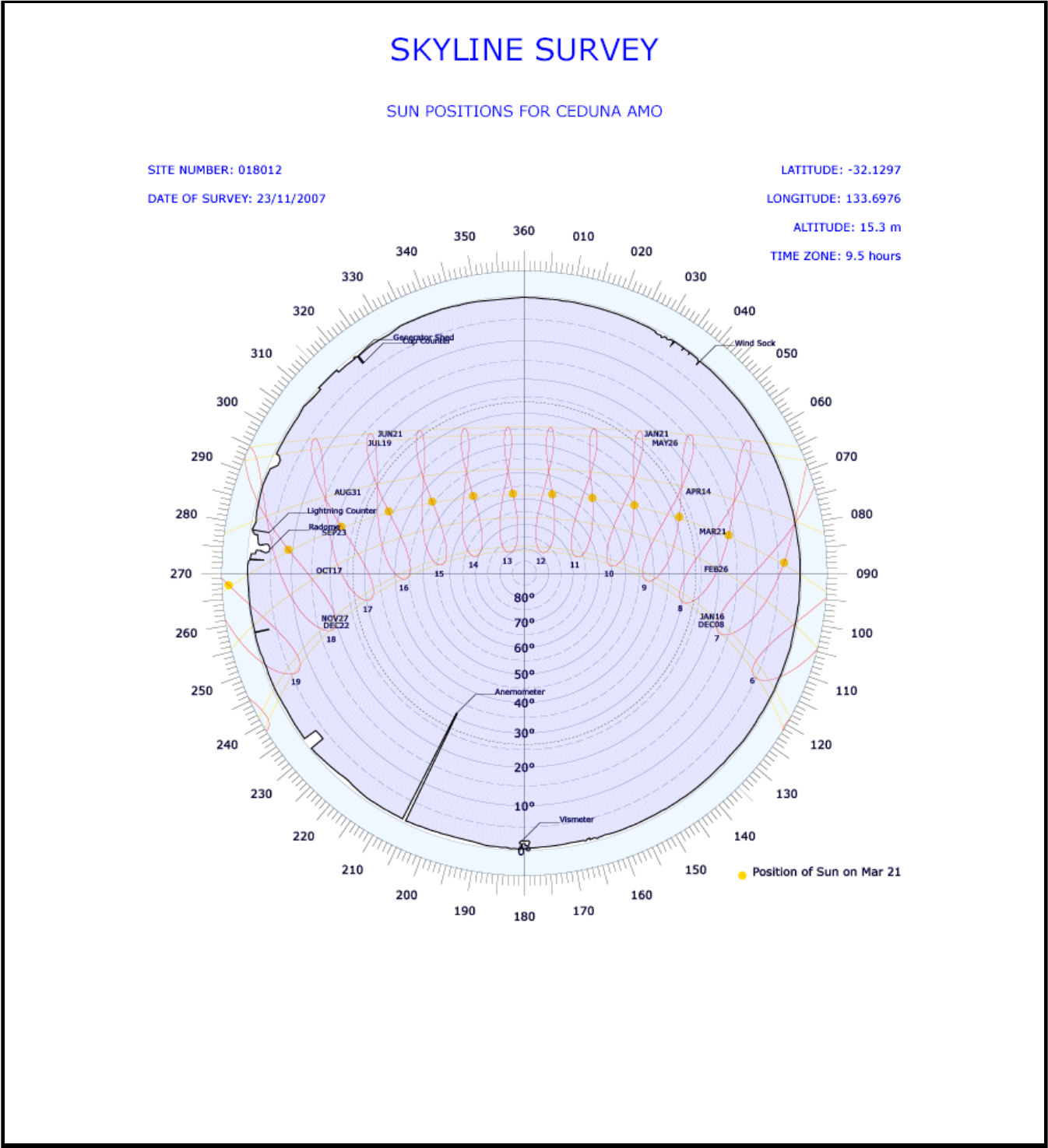
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Extended Climatological Station Metadata  
All History

Station:	CEDUNA AMO		Location:	CEDUNA AMO		State:	SA
Bureau No.:	018012	WMO No.:	94653	Aviation ID:	YCDU	Opened:	01 Jan 1939
Latitude:	-32.1297	Longitude:	133.6976	Elevation:	15.3 m	Barometer Elev:	15.7 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Skyline Diagram  
23/11/2007



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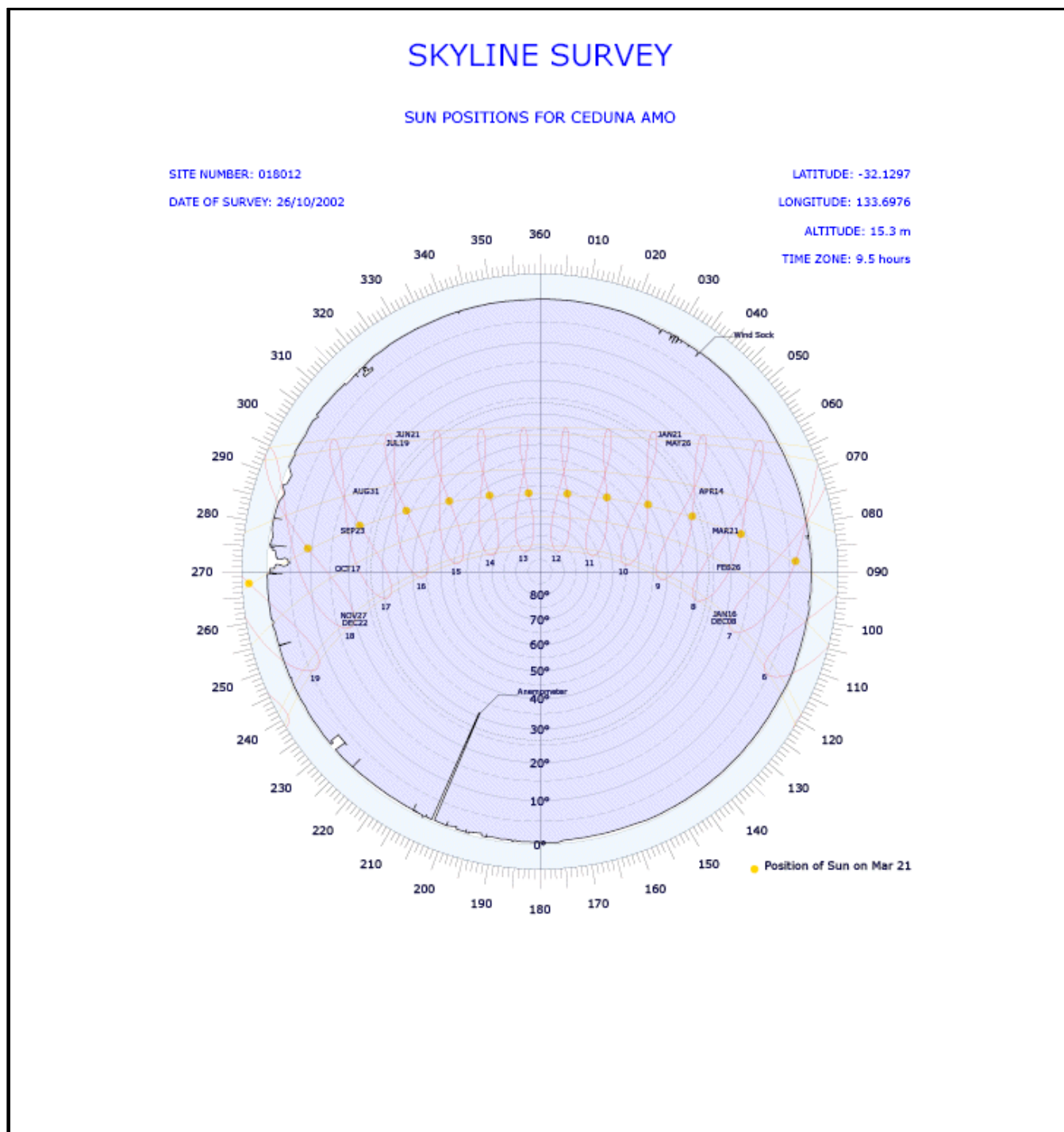
## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO	<b>Location:</b>	CEDUNA AMO	<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m
			<b>Barometer Elev:</b>	15.7 m	<b>Current Status:</b> Still open
				<b>Metadata compiled:</b>	28 JUL 2025

### Skyline Diagram

26/10/2002



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## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

### Station Observation Program Summary (Surface Observations) from 01/01/1939 to 24/10/1998

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	Y	Y

Current Observation	Program Type	12 AM	3 AM	6 AM	9 AM	12 PM	3 PM	6 AM	9 AM
Surface Observation	PERFORMED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	REPORTED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

### Station Observation Program Summary (Surface Observations) from 24/10/1998 to 02/10/2003

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	Y	Y

Current Observation	Program Type	12 AM	3 AM	6 AM	9 AM	12 PM	3 PM	6 AM	9 AM
Surface Observation	PERFORMED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	REPORTED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

### Station Observation Program Summary (Surface Observations) from 02/10/2003 to 11/03/2008

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

Current Observation	Program Type	12 AM	3 AM	6 AM	9 AM	12 PM	3 PM	6 AM	9 AM
Surface Observation	PERFORMED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	REPORTED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

### Station Observation Program Summary (Surface Observations) from 11/03/2008 to 29/09/2011

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

Current Observation	Program Type	12 AM	3 AM	6 AM	9 AM	12 PM	3 PM	6 AM	9 AM
Surface Observation	PERFORMED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	REPORTED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

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Extended Climatological Station Metadata  
All History

<b>Station:</b> CEDUNA AMO			<b>Location:</b> CEDUNA AMO			<b>State:</b> SA			
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939	<b>Current Status:</b>	Still open
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m	<b>Metadata compiled:</b>	28 JUL 2025

Station Observation Program Summary (Surface Observations) from 29/09/2011 to 12/02/2015

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

Current Observation	Program Type	12 AM	3 AM	6 AM	9 AM	12 PM	3 PM	6 AM	9 AM
Surface Observation	PERFORMED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	REPORTED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) 28 JUL 2025 (most recent)

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

Current Observation	Program Type	12 AM	3 AM	6 AM	9 AM	12 PM	3 PM	6 AM	9 AM
Surface Observation	PERFORMED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	REPORTED	Y	Y	Y	Y	Y	Y	Y	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Upper Air Routine 24/10/1998 to 29/09/2011

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	-	-	-	-	-	-	-
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	Y	Y	Y	Y	Y	Y	Y
Wind	06:00	Y	Y	Y	Y	Y	Y	Y
Wind	12:00	Y	Y	Y	Y	Y	Y	Y
Wind	18:00	-	-	-	-	-	-	-

Upper Air Routine 29/09/2011 to 19/12/2011

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	-	-	-	-	-	-	-
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	Y	Y	Y	Y	-	-	Y
Wind	06:00	Y	Y	Y	Y	-	-	Y
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

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## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

### Upper Air Routine 19/12/2011 to 19/12/2012

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	Y	Y	Y	Y	-	-	Y
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	Y	Y	Y	Y	-	-	Y
Wind	06:00	Y	Y	Y	Y	-	-	Y
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

### Upper Air Routine 19/12/2012 to 08/08/2013

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	-	-	-	-	-	-	-
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	-	-	-	-	-	-	-
Wind	06:00	-	-	-	-	-	-	-
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

### Upper Air Routine 08/08/2013 to 28/04/2016

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	-	-	Y	-	-	-	-
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	-	-	Y	-	-	-	-
Wind	06:00	-	-	-	-	-	-	-
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

### Upper Air Routine 28/04/2016 to 21/11/2017

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	Y	-	-	-	-	-	-
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	Y	-	-	-	-	-	-
Wind	06:00	-	-	-	-	-	-	-

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Wind	18:00							
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Extended Climatological Station Metadata  
All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Upper Air Routine 21/11/2017 to 01/08/2024

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	-	Y	-	-	-	-	-
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	-	Y	-	-	-	-	-
Wind	06:00	-	-	-	-	-	-	-
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

Upper Air Routine 01/08/2024 (most recent)

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	-	Y	Y	-	-	Y	Y
Wind & Temp.	06:00	-	-	-	-	-	-	-
Wind & Temp.	12:00	-	-	-	-	-	-	-
Wind & Temp.	18:00	-	-	-	-	-	-	-
Wind	00:00	-	Y	Y	-	-	Y	Y
Wind	06:00	-	-	-	-	-	-	-
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

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## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

## Station Equipment History

### Equipment Install/Remove

#### Cloud Height

19/APR/2007 INSTALL Ceilometer (Type Vaisala CT25K S/N - C01401) Surface Observations  
28/MAR/2019 REPLACE Ceilometer (Now Vaisala CL31 S/N - N3620302) Surface Observations  
01/MAR/1939 INSTALL Cloud Base Searchlight (Type 90 Degree S/N - 5146) Surface Observations  
30/JUN/2010 REMOVE Cloud Base Searchlight (Type 90 Degree S/N - CBSV01) Surface Observations  
21/APR/2005 REPLACE Cloud Base Searchlight (Now 90 Degree S/N - CBSV01) Surface Observations

#### Humidity

27/JAN/2015 INSTALL Humidity Probe (Type Vaisala HMP45D S/N - Y0450023) Surface Observations  
01/JAN/1939 INSTALL Hygrograph (Type Hair Hygrograph S/N - Unknown) Surface Observations  
20/JUL/1990 REMOVE Hygrograph (Type Hair Hygrograph S/N - Unknown) Surface Observations

#### Pressure Trend

21/MAY/1999 INSTALL Barograph (Type Weekly S/N - CMO 208) Surface Observations  
05/DEC/2015 REMOVE Barograph (Type Weekly S/N - CMO 208) Surface Observations

#### Lightning

20/MAR/1969 INSTALL Lightning Flash Counter (Type CIGRE - Horizontal Aerial S/N - Unknown) Surface Observations  
01/MAY/1984 REPLACE Lightning Flash Counter (Now CIGRE - Vertical Aerial S/N - 502) Surface Observations

#### Sea Surface Temperature (No Electronic History)

#### Magnetic Bearing (No Electronic History)

#### Wind Direction

23/MAR/2006 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 84343) Surface Observations  
01/JUL/1990 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WD69056 WS69332) Surface Observations  
01/JUL/1990 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure  
30/APR/1971 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM542) Surface Observations  
04/DEC/2015 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM361) Surface Observations  
13/MAR/2014 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - 0287) Surface Observations  
07/JUN/2007 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - 75023) Surface Observations  
07/MAY/2009 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - 88720) Surface Observations  
07/MAY/2009 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 81251) Surface Observations  
23/MAR/2006 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 84329) Surface Observations  
02/MAY/2001 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - WS79941WS0249) Surface Observations  
17/APR/2002 REPLACE Wind Run Anemometer (Now Munro S/N - 265) Surface Observations  
26/OCT/2002 REPLACE Wind Run Anemometer (Now Munro S/N - 515) Surface Observations  
28/SEP/1999 REPLACE Wind Run Anemometer (Now Synchrotac S/N - 780577) Surface Observations  
22/JUN/2004 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM352) Surface Observations  
17/FEB/2006 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM361) Surface Observations  
16/MAY/2003 REPLACE Wind Run Anemometer (Now Unknown S/N - 2765) Surface Observations

#### Wet Bulb Temperature

01/JUL/1990 INSTALL Temperature Probe - Wet Bulb (Type Rosemount S/N - NONE) Surface Observations  
27/JAN/2015 REMOVE Temperature Probe - Wet Bulb (Type Temp Control TCBMP01 S/N - 10094) Surface Observations  
15/AUG/2007 REPLACE Temperature Probe - Wet Bulb (Now Temp Control TCBMP01 S/N - 10094) Surface Observations  
30/JAN/2007 REPLACE Temperature Probe - Wet Bulb (Now Temp Control TCBMP01 S/N - 10153) Surface Observations  
01/MAR/1939 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - M1727) Surface Observations  
01/MAR/1939 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - M6645) Surface Observations

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## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

## Station Equipment History (continued)

### Equipment Install/Remove(Continued)

04/DEC/2015 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 14565) Surface Observations  
21/NOV/2014 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 19141) Surface Observations  
26/OCT/2002 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - 14565) Surface Observations  
26/OCT/2002 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - 19141) Surface Observations

### Solar Radiation (Long Wave) (No Electronic History)

### Spectral Radiation (No Electronic History)

### Maximum Temperature

01/MAR/1939 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - M1421) Surface Observations  
04/DEC/2015 REMOVE Thermometer, Mercury, Max (Type Dobbie S/N - 23520) Surface Observations  
25/SEP/2006 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - 23520) Surface Observations  
01/JAN/2001 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - M0440) Surface Observations

### Soil Temperature 10cm

11/MAY/1994 INSTALL Thermometer, Soil, 10cm (Type Dobros S/N - 415468) Surface Observations  
04/DEC/2015 REMOVE Thermometer, Soil, 10cm (Type Dobros S/N - 0270803) Surface Observations  
25/JUL/2007 REPLACE Thermometer, Soil, 10cm (Now Dobros S/N - 0270803) Surface Observations  
12/JUN/2004 REPLACE Thermometer, Soil, 10cm (Now Dobros S/N - 95664-26) Surface Observations  
19/SEP/1999 REPLACE Thermometer, Soil, 10cm (Now Dobros S/N - M2273) Surface Observations

### Soil Temperature 20cm

11/MAY/1994 INSTALL Thermometer, Soil, 20cm (Type Dobros S/N - 415484) Surface Observations  
05/DEC/2015 REMOVE Thermometer, Soil, 20cm (Type Dobros S/N - 0398731) Surface Observations  
26/OCT/2002 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - 0136939) Surface Observations  
06/DEC/2005 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - 0398731) Surface Observations  
19/SEP/1999 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - 4058) Surface Observations

### Soil Temperature 50cm

11/MAY/1994 INSTALL Thermometer, Soil, 50cm (Type Dobros S/N - CBM124) Surface Observations  
04/DEC/2015 REMOVE Thermometer, Soil, 50cm (Type Amarol S/N - 0673657) Surface Observations  
30/AUG/2012 REPLACE Thermometer, Soil, 50cm (Now Amarol S/N - 0673657) Surface Observations

### Snow Height (No Electronic History)

### Soil Temperature 100cm

11/MAY/1994 INSTALL Thermometer, Soil, 100cm (Type Dobros S/N - M5176) Surface Observations  
04/DEC/2015 REMOVE Thermometer, Soil, 100cm (Type Amarol S/N - 0269684) Surface Observations  
26/DEC/2006 REPLACE Thermometer, Soil, 100cm (Now Amarol S/N - 0269684) Surface Observations  
06/NOV/2004 REPLACE Thermometer, Soil, 100cm (Now Dobros S/N - M5164) Surface Observations

### Sunshine Hours

01/JAN/1951 INSTALL Sunshine Recorder (Type Campbell-Stokes S/N - 6556) Surface Observations  
04/DEC/2015 REMOVE Sunshine Recorder (Type Campbell-Stokes S/N - 6556) Surface Observations

### Wind Run

30/APR/1971 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM542) Surface Observations  
04/DEC/2015 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM361) Surface Observations  
17/APR/2002 REPLACE Wind Run Anemometer (Now Munro S/N - 265) Surface Observations  
26/OCT/2002 REPLACE Wind Run Anemometer (Now Munro S/N - 515) Surface Observations  
28/SEP/1999 REPLACE Wind Run Anemometer (Now Synchrotac S/N - 780577) Surface Observations  
22/JUN/2004 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM352) Surface Observations

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## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

## Station Equipment History (continued)

### Equipment Install/Remove(Continued)

17/FEB/2006 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM361) Surface Observations

16/MAY/2003 REPLACE Wind Run Anemometer (Now Unknown S/N - 2765) Surface Observations

### Minimum Temperature

01/MAR/1939 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 15705) Surface Observations

04/DEC/2015 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 25913) Surface Observations

04/JUN/2005 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 25891) Surface Observations

29/AUG/2012 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 25913) Surface Observations

15/MAY/2007 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 27672) Surface Observations

21/JAN/2005 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - M0063) Surface Observations

26/OCT/2002 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - M0164) Surface Observations

22/JUN/2004 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - M1567) Surface Observations

23/NOV/2007 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - S6686) Surface Observations

### Terrestrial Minimum Temperature

01/JUN/1972 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - S5686) Surface Observations

04/DEC/2015 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - CBM3517) Surface Observations

19/SEP/1999 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 14425) Surface Observations

04/OCT/2003 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23298) Surface Observations

04/JUL/2007 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 25891) Surface Observations

19/APR/2005 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 25891) Surface Observations

20/DEC/2005 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 25913) Surface Observations

10/JUL/2007 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 27592) Surface Observations

11/MAY/2007 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 27600) Surface Observations

07/DEC/2009 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 27612) Surface Observations

25/APR/2008 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 27639) Surface Observations

26/FEB/2007 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 27643) Surface Observations

18/FEB/2006 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 43038) Surface Observations

26/OCT/2002 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 56686) Surface Observations

09/SEP/2014 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - CBM3517) Surface Observations

22/JUN/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M0164) Surface Observations

09/OCT/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M1567) Surface Observations

22/FEB/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M1567) Surface Observations

14/JUL/2005 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M1578) Surface Observations

15/MAY/2007 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M1689) Surface Observations

01/JUN/2006 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M1689) Surface Observations

23/NOV/2007 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 27612) Surface Observations

23/AUG/2012 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 31194) Surface Observations

12/DEC/2012 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 31287) Surface Observations

16/AUG/2010 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 504056) Surface Observations

### Visibility

19/APR/2007 INSTALL Visibility Meter (Type Vaisala FD12 S/N - C01501) Surface Observations

01/JUL/2021 REPLACE Visibility Meter (Now Vaisala FS11 S/N - P3720674) Surface Observations

### Soil Temperature 5cm

26/SEP/2004 INSTALL Thermometer, Soil, 5cm (Type Dobros S/N - 9566468) Surface Observations

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<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

## Station Equipment History (continued)

### Equipment Install/Remove(Continued)

04/DEC/2015 REMOVE Thermometer, Soil, 5cm (Type Dobros S/N - 9566468) Surface Observations

#### Sub Surface Temperature (No Electronic History)

#### Electrical Conductivity (No Electronic History)

#### Oxygen Content (No Electronic History)

#### RF Reflectivity

12/JUL/1990 INSTALL Radar (Type WF100-5C S/N - 00061) Upper Air

12/JUL/1990 INSTALL Radar (Type WF100-5C S/N - 00061) WeatherWatch

01/JUN/1963 INSTALL Radar (Type WF2 S/N - Unknown) Upper Air

23/MAR/2021 INSTALL Radar (Type Wurrung-2502C S/N - NONE) WeatherWatch

23/MAR/2021 INSTALL Radar Antenna Controller (RACCOON) (Type Wurrung V1.1 S/N - B008432) WeatherWatch

30/JUN/2010 INSTALL Radar Interface (Type EEC 502 (BoM) S/N - ITS003) Upper Air

30/JUN/2010 INSTALL Radar Interface (Type EEC 502 (BoM) S/N - ITS003) WeatherWatch

30/JUN/2010 INSTALL Radar Safety System (RSS) (Type RSS (2502C/8502S) S/N - 5267-2) WeatherWatch

23/MAR/2021 INSTALL Radar Safety System (RSS) (Type RSS (2502C/8502S) S/N - 5267-2) WeatherWatch

01/JUL/1990 INSTALL Radar Tower (Type Cylindrical WF100 - 7.75 m S/N - NONE) Infrastructure

22/MAR/2021 REMOVE Radar (Type DWSR 2502C S/N - 012) Upper Air

22/MAR/2021 REMOVE Radar (Type DWSR 2502C S/N - 012) WeatherWatch

01/JUL/1990 REMOVE Radar (Type WF2 S/N - Unknown) Upper Air

22/MAR/2021 REMOVE Radar Interface (Type EEC 502 (BoM) S/N - ITS003) Upper Air

22/MAR/2021 REMOVE Radar Interface (Type EEC 502 (BoM) S/N - ITS003) WeatherWatch

22/MAR/2021 REMOVE Radar Safety System (RSS) (Type RSS (2502C/8502S) S/N - 5267-2) WeatherWatch

30/JUN/2010 REPLACE Radar (Now DWSR 2502C S/N - 012) Upper Air

30/JUN/2010 REPLACE Radar (Now DWSR 2502C S/N - 012) WeatherWatch

30/JUN/2010 REPLACE Radar Tower (Now Cylindrical Spiral Staircase EEC - 16m S/N - NONE) Infrastructure

#### Total Column Ozone Amount (No Electronic History)

#### Pressure

01/JUL/1951 INSTALL Barometer (Type Kew pattern mercury S/N - 2095) Surface Observations

01/JUL/1990 INSTALL Barometer (Type Vaisala PA11A S/N - 561194) Surface Observations

01/JUL/1990 REMOVE Barometer (Type Kew pattern mercury S/N - 2095) Surface Observations

01/DEC/1996 REPLACE Barometer (Now Vaisala PA11A S/N - 458219) Surface Observations

22/NOV/2001 REPLACE Barometer (Now Vaisala PA11A S/N - 653249) Surface Observations

26/OCT/2002 REPLACE Barometer (Now Vaisala PTB220B S/N - V0440002) Surface Observations

06/SEP/2005 REPLACE Barometer (Now Vaisala PTB220B S/N - W0930011) Surface Observations

13/MAR/2014 REPLACE Barometer (Now Vaisala PTB330B (General Use) S/N - J3750026) Surface Observations

#### Evaporation

26/FEB/1968 INSTALL Evaporation Pan (Type Class A S/N - NONE) Surface Observations

04/DEC/2015 REMOVE Evaporation Pan (Type Class A S/N - NONE) Surface Observations

19/JUN/2014 REPLACE Evaporation Pan (Now Class A S/N - NONE) Surface Observations

12/SEP/2006 REPLACE Evaporation Pan (Now Class A S/N - NONE) Surface Observations

#### Rainfall

01/JAN/1954 INSTALL Pluviograph (Type Dines syphoning S/N - NONE) Rainfall Intensity

09/JAN/2009 REMOVE Pluviograph (Type Dines syphoning S/N - NONE) Rainfall Intensity

01/JAN/1939 INSTALL Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations

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All History

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<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Opened:</b>	01 Jan 1939
		<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
				<b>Current Status:</b>	Still open
				<b>Metadata compiled:</b>	28 JUL 2025

## Station Equipment History (continued)

### Equipment Install/Remove(Continued)

01/JUL/1990 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 309890) Surface Observations  
05/DEC/2015 REMOVE Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations  
14/NOV/1996 REPLACE Raingauge (Now HS TB3A-0.2 S/N - 95-146) Rainfall Intensity  
14/NOV/1996 REPLACE Raingauge (Now HS TB3A-0.2 S/N - 95-146) Surface Observations  
16/MAR/2000 REPLACE Raingauge (Now HS TB3A-0.2 S/N - 96-890) Rainfall Intensity  
16/MAR/2000 REPLACE Raingauge (Now HS TB3A-0.2 S/N - 96-890) Surface Observations  
14/JAN/2004 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 84070) Rainfall Intensity  
14/JAN/2004 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 84070) Surface Observations  
11/OCT/2000 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 68942) Rainfall Intensity  
11/OCT/2000 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 68942) Surface Observations  
14/NOV/1996 SHARE Raingauge (Type HS TB3A-0.2 S/N - 95-146) Rainfall Intensity  
14/NOV/1996 SHARE Raingauge (Type HS TB3A-0.2 S/N - 96-890) Rainfall Intensity  
14/NOV/1996 SHARE Raingauge (Type Rimco 7499 TBRG S/N - 309890) Rainfall Intensity  
14/NOV/1996 SHARE Raingauge (Type Rimco 8020 TBRG S/N - 68942) Rainfall Intensity  
07/AUG/2018 UNSHARE Raingauge (Type Rimco 7499 TBRG S/N - 84070) Rainfall Intensity

### River Height (No Electronic History)

### Solar Radiation (No Electronic History)

### Solar Radiation (Direct) (No Electronic History)

### Turbidity (No Electronic History)

### Sea Water Level (No Electronic History)

### Sea Water Temperature (No Electronic History)

### Wind Speed

23/MAR/2006 INSTALL Anemometer (Type Synchronac Cups - Type 732 S/N - 84343) Surface Observations  
01/JUL/1990 INSTALL Anemometer (Type Synchronac Vane - Type 706 S/N - WD69056 WS69332) Surface Observations  
01/JUL/1990 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure  
30/APR/1971 INSTALL Wind Run Anemometer (Type Synchronac S/N - CBM542) Surface Observations  
04/DEC/2015 REMOVE Wind Run Anemometer (Type Synchronac S/N - CBM361) Surface Observations  
13/MAR/2014 REPLACE Anemometer (Now Synchronac Cups - Type 732 S/N - 0287) Surface Observations  
07/JUN/2007 REPLACE Anemometer (Now Synchronac Cups - Type 732 S/N - 75023) Surface Observations  
07/MAY/2009 REPLACE Anemometer (Now Synchronac Cups - Type 732 S/N - 88720) Surface Observations  
07/MAY/2009 REPLACE Anemometer (Now Synchronac Vane - Type 706 S/N - 81251) Surface Observations  
23/MAR/2006 REPLACE Anemometer (Now Synchronac Vane - Type 706 S/N - 84329) Surface Observations  
02/MAY/2001 REPLACE Anemometer (Now Synchronac Vane - Type 706 S/N - WS79941WS0249) Surface Observations  
17/APR/2002 REPLACE Wind Run Anemometer (Now Munro S/N - 265) Surface Observations  
26/OCT/2002 REPLACE Wind Run Anemometer (Now Munro S/N - 515) Surface Observations  
28/SEP/1999 REPLACE Wind Run Anemometer (Now Synchronac S/N - 780577) Surface Observations  
22/JUN/2004 REPLACE Wind Run Anemometer (Now Synchronac S/N - CBM352) Surface Observations  
17/FEB/2006 REPLACE Wind Run Anemometer (Now Synchronac S/N - CBM361) Surface Observations  
16/MAY/2003 REPLACE Wind Run Anemometer (Now Unknown S/N - 2765) Surface Observations

### Air Temperature

27/JAN/2015 INSTALL Humidity Probe (Type Vaisala HMP45D S/N - Y0450023) Surface Observations  
01/JUL/1990 INSTALL Temperature Probe - Dry Bulb (Type Rosemount S/N - NONE) Surface Observations  
05/MAY/2015 REPLACE Temperature Probe - Dry Bulb (Now Temp Control TCBMP01 S/N - 10134) Surface Observations

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<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
						<b>Current Status:</b>	Still open
						<b>Metadata compiled:</b>	28 JUL 2025

### Station Equipment History (continued)

#### Equipment Install/Remove(Continued)

09/FEB/2017 REPLACE Temperature Probe - Dry Bulb (Now Temp Control TCBMP01 S/N - 10137) Surface Observations  
30/JAN/2007 REPLACE Temperature Probe - Dry Bulb (Now Temp Control TCBMP01 S/N - 10164) Surface Observations  
05/APR/2017 REPLACE Temperature Probe - Dry Bulb (Now WIKA TR40 S/N - 113069-10) Surface Observations  
01/MAR/1939 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 19141) Surface Observations  
04/DEC/2015 REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 19141) Surface Observations

#### Surface Inclination (No Electronic History)

The following table summarises information on field performance checks available electronically over the period indicated. The number of instances an instrument was found to fail field performance checks should only be used as a guide. A system of data quality flags is implemented by the Bureau of Meteorology to indicate the data quality of an observation as determined by a multi-stage quality control process.

Available Date Range	Element	Fail Field Performance Check
23/NOV/2007 - 24/OCT/2018	Cloud Height	0
27/JAN/2015 - 19/AUG/2020	Humidity	0
11/OCT/2000 - 21/NOV/2014	Pressure Trend	0
26/OCT/2002 - 05/DEC/2012	Lightning	1
14/NOV/1996 - 19/AUG/2020	Wind Direction	6
14/NOV/1996 - 27/JAN/2015	Wet Bulb Temperature	3
11/OCT/2000 - 21/NOV/2014	Maximum Temperature	0
11/OCT/2000 - 04/DEC/2013	Soil Temperature 10cm	0
11/OCT/2000 - 04/DEC/2013	Soil Temperature 20cm	0
11/OCT/2000 - 04/DEC/2013	Soil Temperature 50cm	0
11/OCT/2000 - 04/DEC/2013	Soil Temperature 100cm	0
11/OCT/2000 - 21/NOV/2014	Wind Run	0
11/OCT/2000 - 21/NOV/2014	Minimum Temperature	0
11/OCT/2000 - 21/NOV/2014	Terrestrial Minimum Temperature	1
23/NOV/2007 - 01/JUL/2021	Visibility	3
28/NOV/2004 - 04/DEC/2013	Soil Temperature 5cm	0
23/MAR/2006 - 23/MAR/2021	RF Reflectivity	1
17/OCT/1995 - 19/AUG/2020	Pressure	3
11/OCT/2000 - 21/NOV/2014	Evaporation	0
14/NOV/1996 - 19/AUG/2020	Rainfall	1
14/NOV/1996 - 19/AUG/2020	Wind Speed	6
14/NOV/1996 - 19/AUG/2020	Air Temperature	5

#### Station Detail Changes

05/MAR/2015 CLASSIFICATION AWS Funding - Aviation Funded Assets (AVAF)  
01/FEB/2021 CLASSIFICATION AWS Priority 3 - Standard (SLP3-AWS)  
01/JUL/2011 CLASSIFICATION Australian Climate Observations Reference Network - Surface Air Temperature (ACORN-SAT)  
26/JUN/2002 CLASSIFICATION CLIMAT Stations (CLC)  
09/MAY/2006 CLASSIFICATION Category C (TAF C) ENDED 05-03-2015  
05/MAR/2015 CLASSIFICATION Category D (TAF D)

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## Extended Climatological Station Metadata

All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

### Station Equipment History (continued)

#### Station Detail Changes(Continued)

10/JAN/2011 CLASSIFICATION Critical (ASOSCRIT)  
01/JUL/1990 CLASSIFICATION Fielden (FFD)  
01/MAY/1997 CLASSIFICATION GCOS Surface Network (GSN)  
01/JUL/2018 CLASSIFICATION HQ EVAPORATION (HQEVAP)  
01/JUL/1998 CLASSIFICATION Information and Observations (MIO) ENDED 12-02-2015  
27/SEP/2021 CLASSIFICATION Mastered in EAMS (EAMS)  
01/MAY/1989 CLASSIFICATION National Benchmark Network for Agrometeorology (NBNA)  
01/JUL/2017 CLASSIFICATION Observing Operations Hub - Adelaide (OOH-A)  
21/MAR/2016 CLASSIFICATION Processed by ASOS (PBA)  
01/SEP/1992 CLASSIFICATION Reference Climate Stations (RCS) ENDED 30-06-2011  
14/FEB/1997 CLASSIFICATION Regional Basic Synoptic Network (RBSN)  
10/JUN/2014 CLASSIFICATION Standard Aviation or Defence (AVSTD) ENDED 16-10-2020  
01/JUL/1998 CLASSIFICATION Upper Wind only (UW)  
30/NOV/2006 OBJECT Document/018012061130rep  
01/MAR/2019 OBJECT Document/018012100222\_ATSO\_SUPPORT  
29/APR/2010 OBJECT Document/018012100429cigre  
28/SEP/2011 OBJECT Document/018012110928CoopContract1  
28/SEP/2011 OBJECT Document/018012110928CoopContract2  
13/DEC/2011 OBJECT Document/018012111213email  
19/DEC/2011 OBJECT Document/018012111215SondeCommencement  
29/SEP/2015 OBJECT Document/018012150929\_ASOS\_StationConfig  
12/NOV/2019 OBJECT Document/20191112 - Mast Inspection & Site Info Checklist -Ceduna 018012  
18/JUN/2020 OBJECT Document/ACOM 5Yr Maintenance  
09/AUG/2019 OBJECT Document/ACOM checklist Aug 2019  
30/OCT/2020 OBJECT Document/ATSO\_SUPPORT  
18/JUL/2018 OBJECT Document/ATSO\_SUPPORT  
24/OCT/2018 OBJECT Document/ATSO\_SUPPORT  
22/NOV/2018 OBJECT Document/ATSO\_SUPPORT  
11/NOV/2019 OBJECT Document/ATSO\_SUPPORT  
19/MAY/2021 OBJECT Document/ATSO\_SUPPORT  
06/MAR/2018 OBJECT Document/ATSO\_SUPPORT  
13/DEC/2017 OBJECT Document/ATSO\_SUPPORT  
10/OCT/2018 OBJECT Document/ATSO\_SUPPORT  
18/JAN/2019 OBJECT Document/ATSO\_SUPPORT  
06/FEB/2019 OBJECT Document/ATSO\_SUPPORT  
15/MAY/2019 OBJECT Document/ATSO\_SUPPORT  
03/SEP/2019 OBJECT Document/ATSO\_SUPPORT  
18/JUN/2020 OBJECT Document/ATSO\_SUPPORT  
20/AUG/2020 OBJECT Document/ATSO\_SUPPORT  
22/DEC/2020 OBJECT Document/ATSO\_SUPPORT  
13/JAN/2021 OBJECT Document/ATSO\_SUPPORT  
06/APR/2017 OBJECT Document/AUTOSONDE MAINTENANCE CHECKSHEET  
11/APR/2014 OBJECT Document/AUTOSONDE MAINTENANCE CHECKSHEET

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

15/JAN/2019 OBJECT Document/AUTOSONDE MAINTENANCE CHECKSHEET  
09/AUG/2019 OBJECT Document/AUTOSONDE MAINTENANCE CHECKSHEET  
18/JUN/2020 OBJECT Document/AUTOSONDE MAINTENANCE CHECKSHEET  
04/MAY/2011 OBJECT Document/AWS SITE AUDIT  
25/AUG/2005 OBJECT Document/BAROMETER COEFFICIENTS  
06/MAY/2010 OBJECT Document/BAROMETER COEFFICIENTS  
19/MAY/2015 OBJECT Document/CEILOMETER STATUS  
19/MAY/2016 OBJECT Document/CEILOMETER STATUS  
23/SEP/2016 OBJECT Document/CEILOMETER STATUS  
04/MAY/2011 OBJECT Document/CEILOMETER STATUS  
05/DEC/2015 OBJECT Document/CEILOMETER STATUS  
06/JUN/2017 OBJECT Document/CEILOMETER STATUS  
20/NOV/2017 OBJECT Document/CEILOMETER STATUS  
07/AUG/2018 OBJECT Document/CEILOMETER STATUS  
24/OCT/2018 OBJECT Document/CEILOMETER STATUS  
15/JAN/2019 OBJECT Document/Ceduna 2019 ACOM 12 monthly  
19/MAY/2016 OBJECT Document/Office Key Safe Details  
06/APR/2017 OBJECT Document/RADAR MAINTENANCE CHECKSHEET  
19/APR/2018 OBJECT Document/RADAR MAINTENANCE CHECKSHEET  
22/MAR/2006 OBJECT Document/RAPIC TX CAL DATA  
03/SEP/2001 OBJECT Document/RAPIC TX CAL DATA  
19/FEB/2003 OBJECT Document/RAPIC TX CAL DATA  
19/JUL/2007 OBJECT Document/RAPIC TX CAL DATA  
14/MAY/2008 OBJECT Document/RAPIC TX CAL DATA  
06/APR/2017 OBJECT Document/RSS VALIDATION RECORD  
11/APR/2014 OBJECT Document/RSS VALIDATION RECORD  
18/APR/2018 OBJECT Document/RSS VALIDATION RECORD  
18/JUN/2020 OBJECT Document/RSS VALIDATION RECORD  
18/MAR/2021 OBJECT Document/RSS VALIDATION RECORD  
12/JUL/2013 OBJECT Document/SA\_radiosonde\_13\_14  
23/NOV/2007 OBJECT Document/SKYLINE DATA  
26/OCT/2002 OBJECT Document/SKYLINE DATA  
04/DEC/2013 OBJECT Document/SKYLINE DATA  
24/OCT/2018 OBJECT Document/SKYLINE DATA  
11/MAR/2010 OBJECT Document/SKYLINE DATA - RADAR  
04/MAY/2011 OBJECT Document/VISIBILITY METER STATUS  
15/MAY/2019 OBJECT Document/VISIBILITY METER STATUS  
01/JUL/2021 OBJECT Document/VISIBILITY METER STATUS  
02/JUL/2021 OBJECT Document/VISIBILITY METER STATUS  
05/DEC/2015 OBJECT Document/VISIBILITY METER STATUS  
06/JUN/2017 OBJECT Document/VISIBILITY METER STATUS  
20/NOV/2017 OBJECT Document/VISIBILITY METER STATUS  
07/AUG/2018 OBJECT Document/VISIBILITY METER STATUS

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	CEDUNA AMO		<b>Location:</b>	CEDUNA AMO		<b>State:</b>	SA
<b>Bureau No.:</b>	018012	<b>WMO No.:</b>	94653	<b>Aviation ID:</b>	YCDU	<b>Opened:</b>	01 Jan 1939
<b>Latitude:</b>	-32.1297	<b>Longitude:</b>	133.6976	<b>Elevation:</b>	15.3 m	<b>Barometer Elev:</b>	15.7 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

24/OCT/2018 OBJECT Document/VISIBILITY METER STATUS  
29/DEC/2016 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_BC\_29122016  
20/OCT/2017 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_CK\_20102017  
01/SEP/2016 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_DA\_01092016  
22/FEB/2016 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_DA\_22022016  
27/OCT/2016 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_DA\_27102016  
16/JUN/2016 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_RB\_16062016  
16/JUN/2017 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_RB\_16062017  
28/APR/2016 OBJECT Document/YCDU\_ATSO\_Support\_Visit\_RB\_28042016  
12/FEB/2015 OBJECT Document/YCDU\_Email\_12022015  
21/FEB/2011 OBJECT Document/metconsole\_stationconfig\_018012110221  
01/JAN/1939 STATION - (nondb seeding) Opened  
01/JAN/1939 STATION - (nondb seeding) name Changed to CEDUNA AMO  
01/JAN/1939 STATION - (nondb seeding) stn\_ht Changed to 15.3  
01/JAN/1939 STATION - (nondb seeding) stn\_ht\_deriv Changed to SURVEY  
01/JAN/1939 STATION - (nondb seeding) wmo\_num Changed to 94653  
01/JAN/1939 STATION aero\_ht Changed to 23.5  
01/JAN/1939 STATION aero\_ht\_deriv Changed to SURVEY  
01/JAN/1939 STATION aviation\_id Changed to YCDU  
01/JAN/1939 STATION bar\_ht Changed to 15.7  
01/JAN/1939 STATION bar\_ht\_deriv Changed to SURVEY  
01/JAN/1939 STATION latitude Changed to -32.12967Seeded from NonDb  
01/JAN/1939 STATION latlon\_deriv Changed to GPS  
01/JAN/1939 STATION latlon\_error Changed to 4  
01/JAN/1939 STATION longitude Changed to 133.69759Seeded from NonDb  
01/JAN/1939 STATION lu\_0\_100m Changed to Airport  
01/JAN/1939 STATION lu\_100m\_1km Changed to Town 1000 to 10,000  
01/JAN/1939 STATION lu\_1km\_10km Changed to Town 1000 to 10,000  
01/JAN/1939 STATION soil\_type Changed to sand  
01/JAN/1939 STATION surface\_type Changed to mostly covered by grass  
13/DEC/2012 STATION surface\_type Changed to mostly covered by grass  
26/OCT/2002 STATION surface\_type Changed to partly covered by grass  
04/DEC/2013 STATION surface\_type Changed to partly covered by grass

System Changes

01/JAN/1939 SYSTEM Infrastructure Commenced  
07/AUG/2018 SYSTEM Rainfall Intensity Ceased  
01/JAN/1954 SYSTEM Rainfall Intensity Commenced  
20/NOV/2017 SYSTEM Reference Standards Ceased  
23/DEC/2009 SYSTEM Reference Standards Commenced  
01/JAN/1939 SYSTEM Surface Observations Commenced  
01/JUN/1963 SYSTEM Upper Air Commenced  
01/JAN/1990 SYSTEM WeatherWatch Commenced

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## Notes on these metadata

The following notes have been compiled to assist with interpreting the metadata provided in this document. These notes are subject to change as the network evolves. Changes in station-specific metadata occur more frequently, both as recent changes are recorded and historical information is transferred from paper file to electronic database.

### Reliability of the metadata

The Commonwealth Bureau of Meteorology maintains information on more than 20,000 stations which have operated since observations began in the mid 1800s. The amount of information available for each of these sites and its associated uncertainty are influenced by a number of factors including the type and purpose of the station and the time over which it operated.

Early information about stations was held only on paper file. In 1998 a corporate electronic database was established to help maintain information about the network and its components. The number of parameters recorded about a station is now much greater than before this database was established. The national database has also helped improve consistency in the metadata through the implementation of predefined fields. As a result, and through the refinement of operating procedures, station metadata recorded since 1998 are of a higher overall standard than previously, although occasional omissions and errors are still possible.

The Bureau is part way through a task of entering historical information held on paper file into the corporate database. **Until this process is completed there will remain large gaps in the information contained in these metadata documents and considerable caution should be used when deriving conclusions from the metadata.** As an example, two consecutive entries about a rain gauge dated 50 years apart may appear in the equipment metadata. This may either mean that nothing happened to that instrument over the 50 years, or that information for the intervening period has yet to be entered into the database. Similarly, if no information was available about instruments at a site when it was first established, fields which were required to have a value present may have used the earliest information available as a best-guess estimate. Sometimes this was the metadata current when the database was established in 1998. In some instances there may be gaps in metadata relevant to the post 1998 period.

For the above reasons it is recommended that all metadata prior to 1998 be considered as indicative only, and used with caution, unless it has been quality controlled. The Bureau of Meteorology should be contacted if further information or confirmation of the data is required. Depending on the nature of the inquiry there may be a fee associated with this request. Contact details are provided in the telephone book for each capital city or the Bureau's web site at:  
<http://www.bom.gov.au>

The following pages contain explanatory notes for selected terms found in this document.

### Station Number

The Bureau of Meteorology station number uniquely specifies a station and is not intended to change over time, although on very rare occasions a station number may change or be deleted from the record (usually to correct an error). Generally a new station number is established if an existing station changes in a way that would affect the climate data record for that site (measured in terms of air temperature and precipitation). Significant station moves are an example of this.

Some stations also possess a World Meteorological Organization (WMO) station number. The WMO number is different to the Bureau of Meteorology number. It also uniquely specifies a station at any given time but can be reassigned to another station if the new station takes priority in the global reporting network. Only selected stations will have a WMO number. Significant stations may maintain their WMO number for many decades.

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## Notes on these metadata

### Network Classification

<b>SUPPORTING the BASIC CLIMATE SERVICE</b>
Global Climate Observing System (GCOS)
GCOS Upper Air Network (GUAN)
GCOS Surface Network (GSN)
National Climate Network {not yet assigned}
Reference Climate Stations (RCS)
Regional Basic Climatological Network (RBCN)
CLIMAT Stations (CLC)
CLIMAT TEMP Stations (CLT)
<b>SUPPORTING the NATIONAL WEATHER WATCH SYSTEM</b>
WMO Global Observing System (GOS)
GOS Upper Air Network
GOS Satellite Network
Global Atmospheric Watch
Background Atmospheric Pollution Monitoring Network (BAPMON)
Basic Ozone Network
Basic Solar and Terrestrial Radiation Network
Regional Basic Synoptic Network (RBSN)
WMO Global Oceanic Observing System (GOOS)
<b>SUPPORTING the BASIC WEATHER SERVICE (BWS)</b>
BWS Land Network
Significant Land Locations
Capital City Mesonets
National Benchmark Network for Agrometeorology (NBNA)
BWS Marine Network
Significant Coastal Locations
Open Ocean Network
BWS Upper Air Network
Major Significant Locations
BWS Remote Sensing Network
Weather Watch Radar Network
Fire Weather Wind Mesonets
High Resolution Satellite
<b>SUPPORTING the BASIC HYDROLOGICAL SERVICE</b>
Regional Flood Warning Network
Water Resources Assessment Network
Global Hydrological Network
Global Terrestrial Observing System (GTOS)
World Hydrological Cycle Observing System (WHYCOS)
National Hydrological Network

Networks of stations are defined for a variety of purposes (as defined in above table).

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## Notes on these metadata

### Network Classification Continued....

Stations may be included in several different networks, which may change over time. The table on the previous page lists current network classifications related to the scientific purpose of the network. Some of these networks - the GCOS network for instance - are components of a global network. Entries in the database for some networks may not be complete, thus not properly representing the status of the network. The composition of the network will usually change over time. While several of the networks have international significance, other network classifications have been developed to aid operational management.

### Station Purpose

The station purpose can be classified according to the observation program listed below. Parameters in brackets list some of the various different configurations which occur.

- Synoptic [Seasonal, River Height, Climatological, Telegraphic Rain, Aeronautical, Upper Air]
- Climatological [Seasonal, Telegraphic Rain]
- Aeronautical
- Rainfall [River Height]
- River Height
- Telegraphic Rain [Non-Telegraphic River Height, Telegraphic River Height]
- Non-Telegraphic Rain [Telegraphic River Height]
- Evaporation [Rainfall, River Height, Telegraphic River Height, Non-Telegraphic River Height, Telegraphic Rain, Non-Telegraphic Rain]
- Pluviograph [Rainfall, Telegraphic Rain, Non-Telegraphic Rain, River Height, Telegraphic River Height, Non-Telegraphic River Height]
- Radiation
- Lightning Flash Counter
- Public Information
- Local Conditions
- Radar Site
- Unclassified
- No Routine Observations

Note: Telegraphic observations are those which are sent by some electronic means be it a phone or telegram to the responsible Bureau office. It is a term which is historically linked to analogue non automatic data transmission.

### Station Observation Program Summary

#### Surface Observations

The following terms are used to describe the frequency of surface observations at a site. Historical observation programs will typically be missing for many sites until the database is backfilled with information.

Set a)

- Continuous Program
  - More than half hourly observations sent (eg an automatic weather station {AWS} which continuously transmits 10 minute observations). This will automatically include half hourly and hourly observations programs.
- Half hourly observations
  - Half hourly observations sent. This will automatically include hourly observations.
- Hourly observations
  - Hourly observations sent only. Stations report on non-synoptic hours (ie. 0100, 0200, 0400, 0500, etc)

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## Notes on these metadata

### Surface observations continued....

#### Set b)

- Performed
  - Observations performed, instruments read and observations recorded
- Reported
  - Observations performed, instruments read and reported real time
- Seasonal
  - The program may only be performed during a defined season (such as Fire Weather observations) or the routine program may increase in reporting frequency and/or parameters. The program dates are currently modified at the start and end of each season for stations performing seasonal observations. Historically this was not always the case.

### Current Station Equipment Summary

Equipment listed in this metadata product is catalogued under one of systems listed below, appropriate to its application. The "Infrastructure" category has been included since it contains information about the mast height of an anemometer (if present).

- Flood Warning
- Infrastructure
- Radiation
- Rainfall Intensity
- Surface Observations
- Upper Air
- Weather Watch {RADAR}

### Station Equipment History

#### Equipment Install/Remove

One of four types of actions can be performed on an instrument in this listing:

**Install** - A new instrument is installed at the site. This can be either a completely new addition (eg the first barometer at the site), or the replacement of an existing instrument with a different type (eg replacing mercury barometer with electronic barometer)

**Remove** - An instrument can be removed either when it is no longer necessary to measure a particular element, or when the element is to be measured by an instrument of a different type ( see under "Install" above)

**Replace** - This occurs when one instrument is replaced with another of the same type (eg Kew pattern mercury barometer replacing another Kew pattern mercury barometer)

**Share** - The same instrument is used for observations under two (or more) systems (eg a rain gauge may be used within both Surface Observations and Rainfall Intensity systems)

**Unshare** - The instrument is no longer shared between systems

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## Notes on these metadata

### Calibration

During a site inspection an instrument will be calibrated as either being within or not within the specified tolerance in accuracy.

Where a quantitative calibration result can be achieved by comparison to a transfer standard (eg barometer comparisons and tipping bucket rain gauge calibrations), the instrument will be recorded as being within or outside the required tolerance. Instruments (such as 203mm rain gauges, screens and evaporation pans) where quantitative calibrations cannot be derived should be regarded as meeting specifications when the instrument is in 'good working order'.

This product provides a summary table of the number of times an instrument was found to be out of calibration

### Station Detail Changes

This set of metadata indicates when some aspect of the general information about a station has changed.

#### - STATION

Metadata which are categorised as pertaining to STATION are items of (textual) information describing a specific attribute of the station. A reference to (nondB seeding) indicates initial information of this field has been sourced from a previous database.

#### Station position

##### - Latitude and longitude

Derivation of station latitude and longitude, defined by the location of the rain gauge when it is present, has changed over time. Current practice is to locate or verify open and operational station latitude and longitude based on Global Positioning System equipment. Methods used to locate a station as described in this product (latlon\_deriv) are as follows: GPS, MAP 1:10000, MAP 1:12500, MAP 1:25000, MAP 1:50000, MAP 1:100000, MAP 1:250000, SURVEY, and Unknown (which is more commonly represented by a null value). The field latlon\_error should be used with caution as the method of determining this value has been interpreted in different ways over time.

##### - Height

Determination of heights for observing sites is by survey where possible. Otherwise height may be determined using a Digital Aneroid Barometer and a known surveyed point, or derived from map contours. The source of height is provided in the corresponding parameter with a suffix of "\_deriv".

Heights which may appear in these metadata are:

- aero\_ht
  - The official elevation of the aerodrome which normally corresponds to the altitude of the highest threshold of the runways at that airport;
- bar\_ht
  - this represents the height of the mercury barometer cistern or the digital aneroid barometer above mean sea level (MSL);
- stn\_ht
  - this normally represents the height of the rain gauge above MSL

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## Notes on these metadata

### - Land Use

To assist the long term understanding of climate change it is important to be able to determine the differences over time which are attributed to variations in the climate. Since land use has an effect on the micro climate around the site, and changes in land use will therefore affect the climate record, it is important that the characteristics of the site are monitored. Soil types are recorded as they affect the land use and also add to the knowledge of the site details.

#### Defined Land use Types.

- Non-vegetated (barren, desert)
- Coastal or Island
- Forest
- Open farmland, grassland or tundra
- Small town, less than 1000 population
- Town 1000 to 10,000 population
- City area with buildings less than 10 metres (3 stories)
- City area with buildings greater than 10 metres (3 stories)
- Airport

The land use code is entered on the station inspection form in the ranges 0 to 100 m, 100 to 1 km and 1km to 10 km; ie:

- lu\_0\_100m: Land Use 0 to 100 metres from the enclosure
- lu\_100m\_1km: Land Use 100 metres to 1 kilometre
- lu\_1km\_10km: Land Use 1 kilometre to 10 kilometres

#### Defined Soil Type (At Enclosure).

- unable to determine
- sand
- black soil
- clay
- rock
- red soil
- other

#### Surface Type (At Enclosure).

- unable to determine
- fully covered by grass
- mostly covered by grass
- partly covered by grass
- bare ground
- sand
- concrete
- asphalt
- rock
- other

**Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.**

Prepared by the Bureau of Meteorology.

Contact us by phone on (03) 9669 4082, by fax on (03) 9669 4515, or by email on [climatedata@bom.gov.au](mailto:climatedata@bom.gov.au)

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