



Basic Climatological Station Metadata  
Current status

Metadata compiled: 28 JUL 2025

Station: ALICE SPRINGS AIRPORT

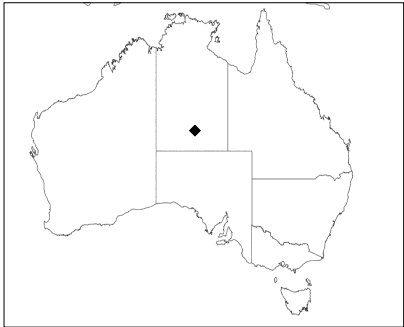
Bureau of Meteorology station number: 015590  
Bureau of Meteorology district name: Alice Springs  
State: NT

World Meteorological Organization number: 94326  
Identification: YBAS

Network Classification: CLIMAT Stations, CLIMAT TEMP 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	-23.7951	Hour Min Sec	23°47'42"S
Longitude	Decimal	133.8890	Hour Min Sec	133°53'20"E
Station Height	546 m	Barometer Height	547 m	
Method of station geographic positioning			GPS	

Year opened: 1940

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

<b>Station:</b> ALICE SPRINGS AIRPORT			<b>Location:</b> ALICE SPRINGS AIRPORT			<b>State:</b> NT			
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940	<b>Current Status:</b>	Still open
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m	<b>Metadata compiled:</b>	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	JUN 1959	MAR 2021	86.2	828	75
EVAPORIMETER - MAXIMUM WATER TEMPERATURE	JUN 1959	JUN 2011	77.8	475	123
GROUND MINIMUM TEMPERATURE	JUL 1951	APR 2016	98.7	286	0
MAXIMUM AIR TEMPERATURE	NOV 1941	JUN 2025	99.9	20	0
MAXIMUM WIND GUST SPEED	NOV 1952	JUN 2025	98.2	308	5
SUNSHINE HOURS	JAN 1954	APR 2016	99.2	178	0
WIND RUN ABOVE 10 FEET	JUN 1959	JUN 2025	53.3	258	361
WIND RUN BELOW 10 FEET	JUN 1959	MAR 2021	83.9	736	95
RAINFALL	NOV 1941	JUL 2025	100	N/A	N/A

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## 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	NOV 1941	JUN 2025	99.6	11.1	4	0
DEW POINT	NOV 1941	JUN 2025	90.7	11.4	30	88
MEAN SEA LEVEL PRESSURE	JUL 1951	JUN 2025	99.7	11.6	1	0
SOIL TEMPERATURE - 10cm	MAY 1967	APR 2016	69.6	6.6	272	158
TOTAL CLOUD AMOUNT	NOV 1941	JUN 2025	92.7	6.9	1504	0
WIND SPEED	NOV 1941	JUN 2025	99.5	11.1	24	0
UPPER AIR TEMPERATURE	DEC 1948	JUN 2025	77.4	1.3	3294	2
UPPER AIR WIND SPEED	JAN 1950	JUN 2025	88.0	3.5	1691	13

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RAINFALL INTENSITY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	SINGLE DAYS MISSED	FULL MONTHS MISSED
RAINFALL INTENSITY	JUN 1951	MAY 2016	87.1	757	75

ONE-MINUTE DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	APR 2003	JUL 2025	99.5	1433.4	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	JUN 1990	JUL 2025	100.4	48.2	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	May 2000	Oct 2018	N/A	1.9	1021	0
Wind, temperature and pressure flights	May 1991	Aug 2018	N/A	1.1	1426	3

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

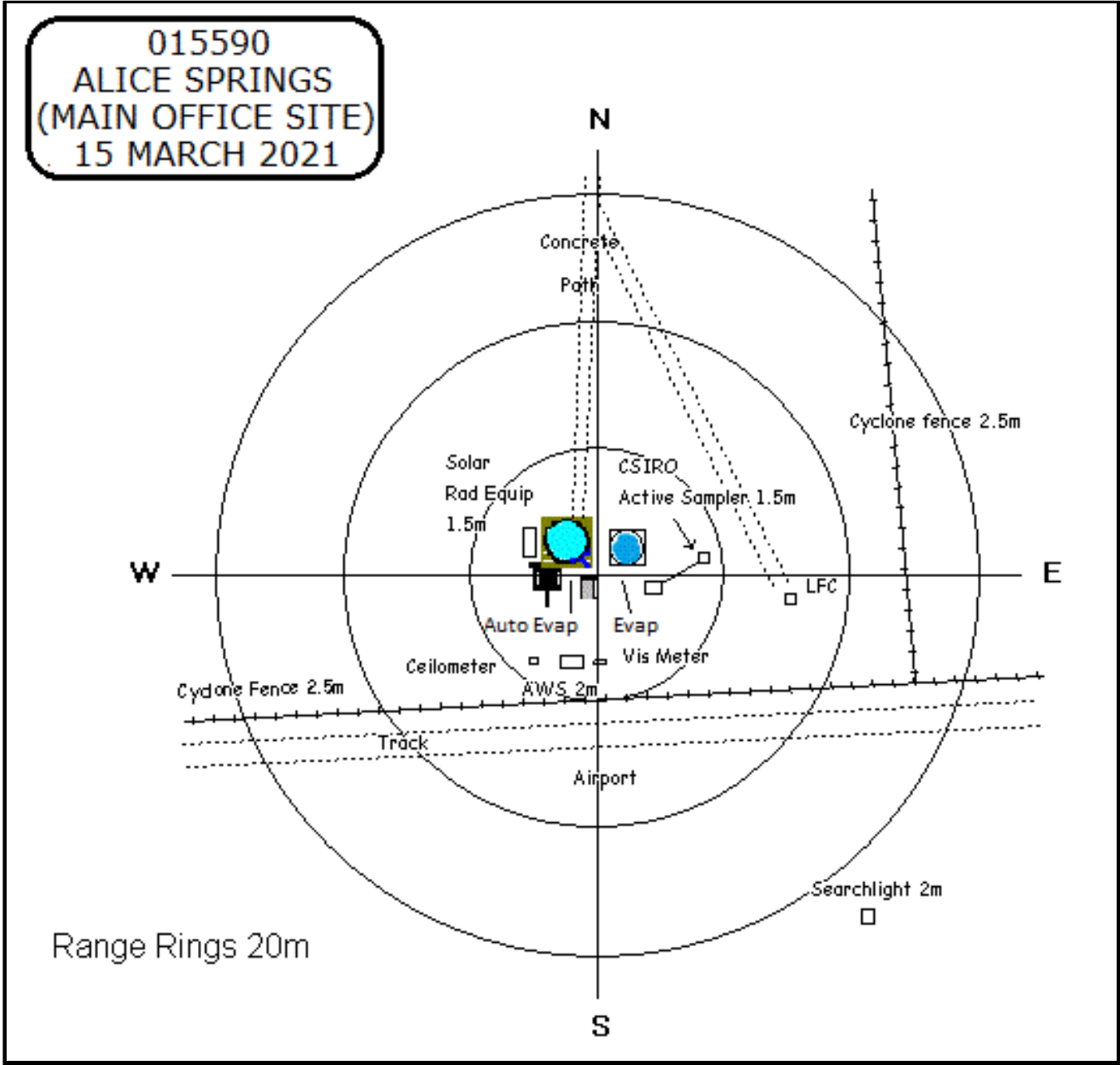
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Instrument Location and Surrounding Features  
15/03/2021(most recent)



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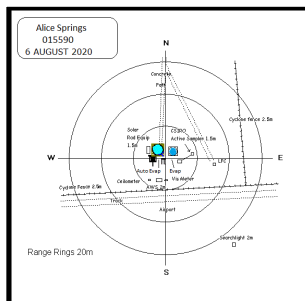
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## All History

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## 06/08/2020



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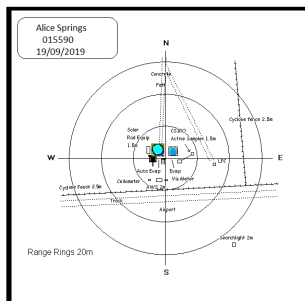
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## All History

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19/09/2019



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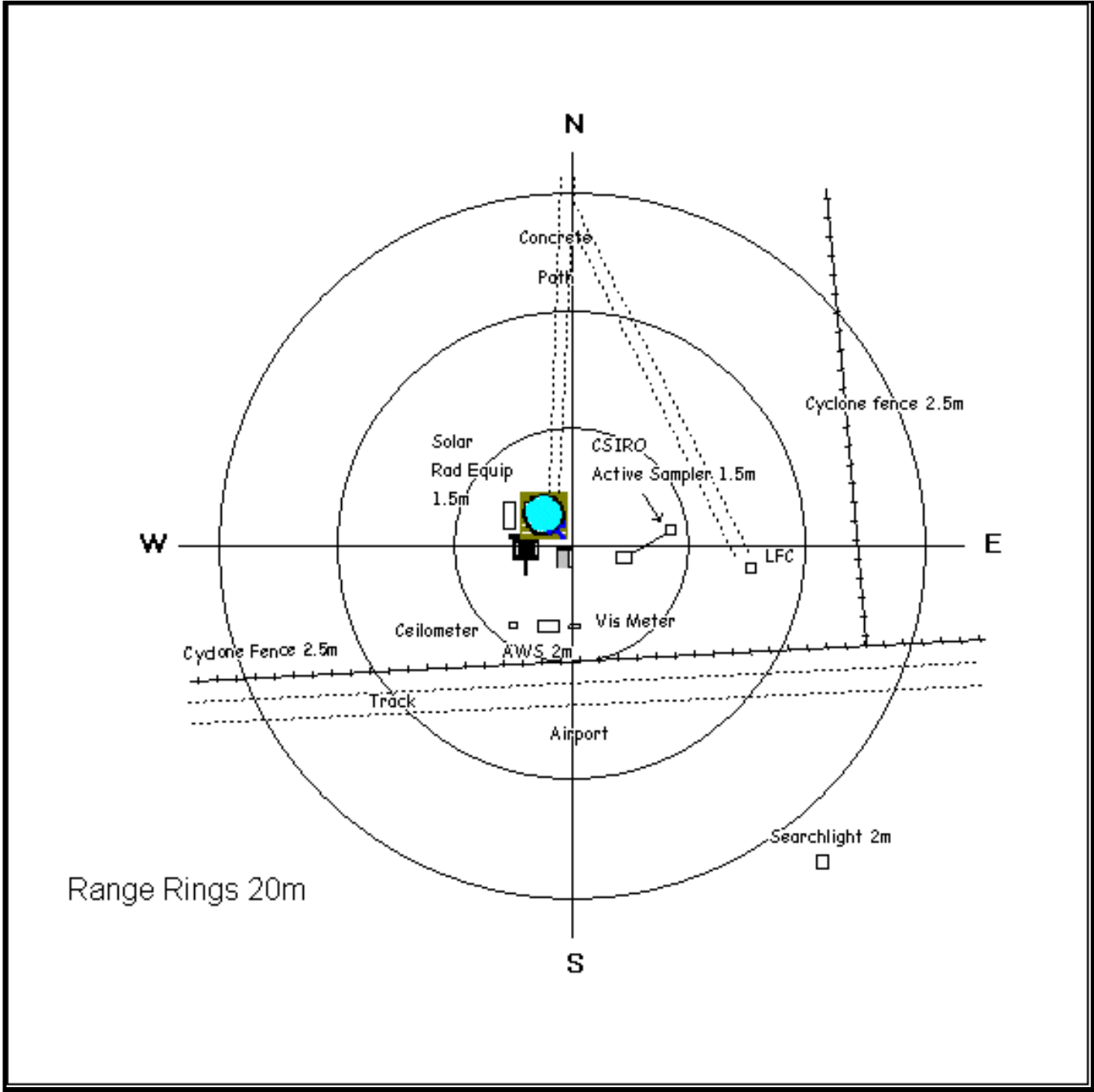
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Extended Climatological Station Metadata  
All History

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Instrument Location and Surrounding Features  
28/05/2017



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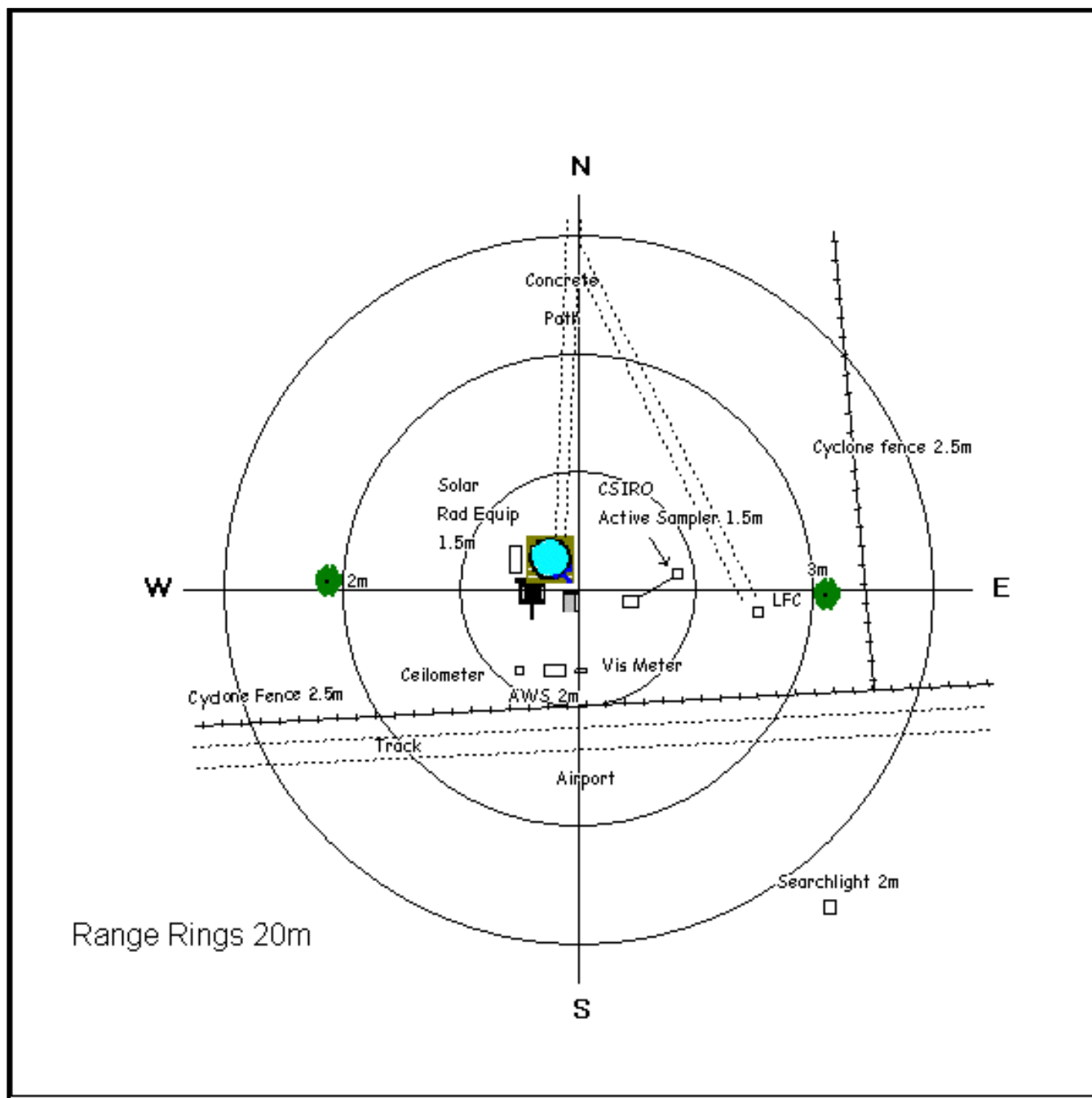
## Extended Climatological Station Metadata

All History

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### Instrument Location and Surrounding Features

01/05/2016



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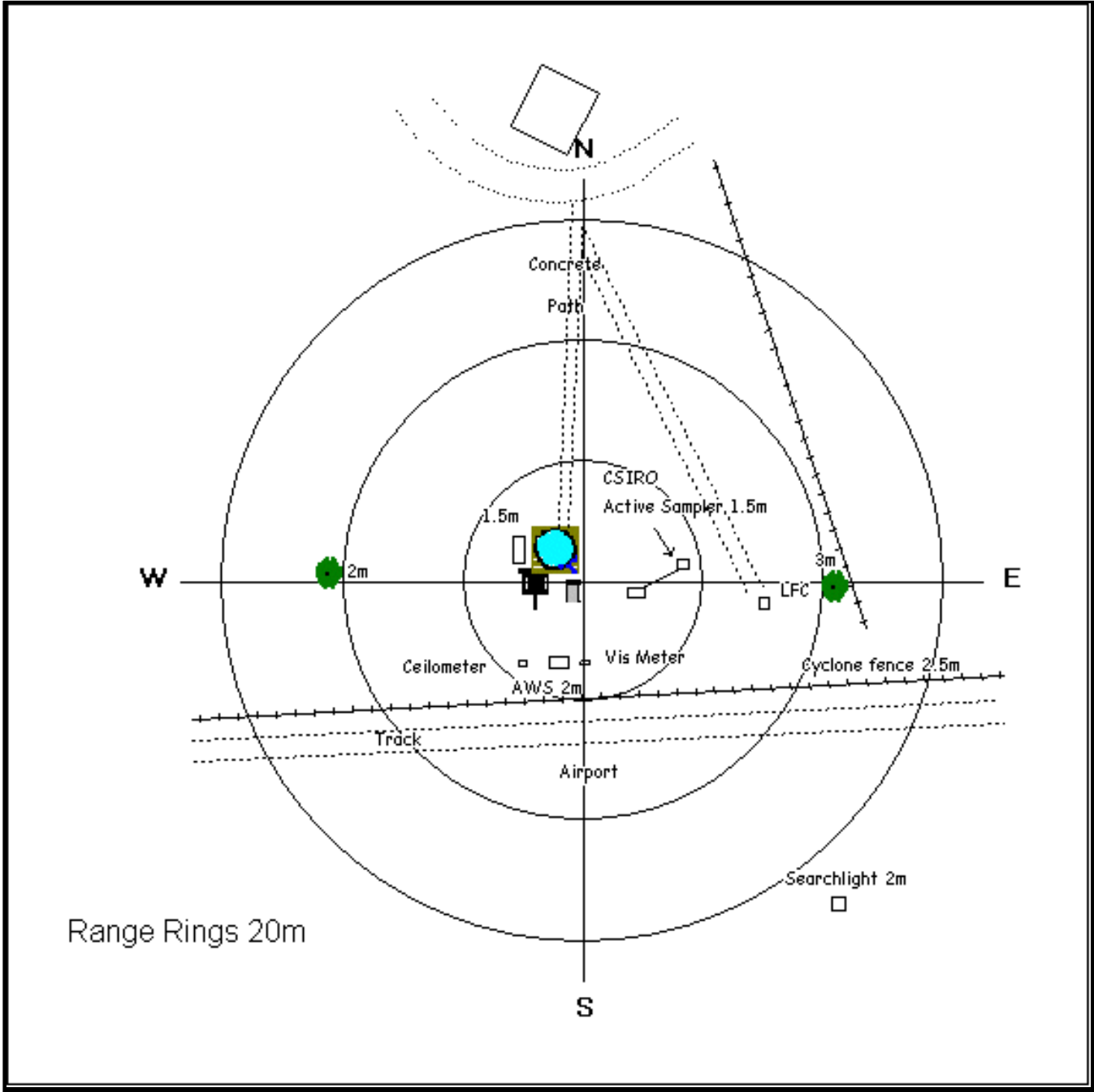
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Instrument Location and Surrounding Features  
17/07/2015



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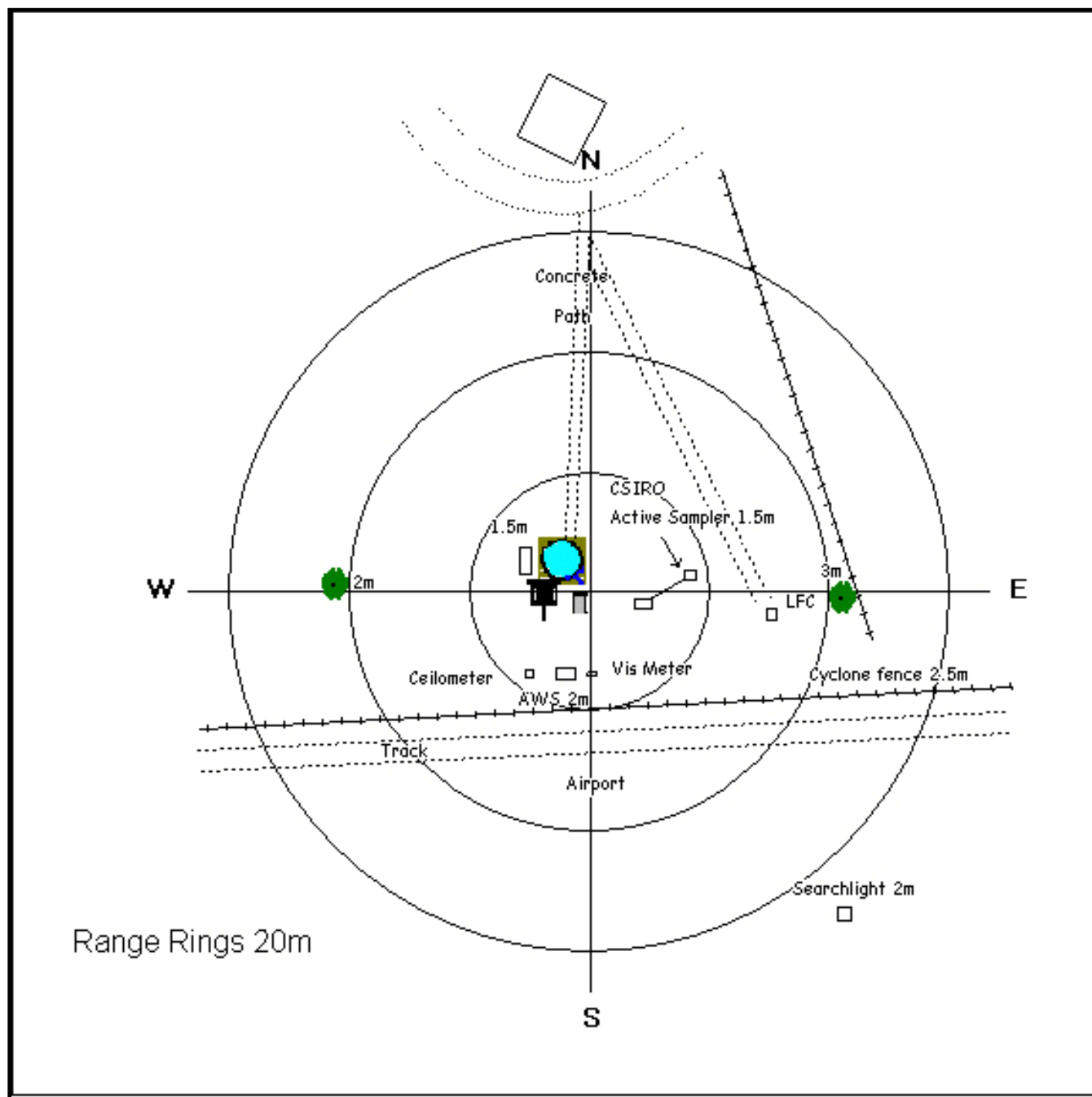
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All History

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### Instrument Location and Surrounding Features

17/06/2014



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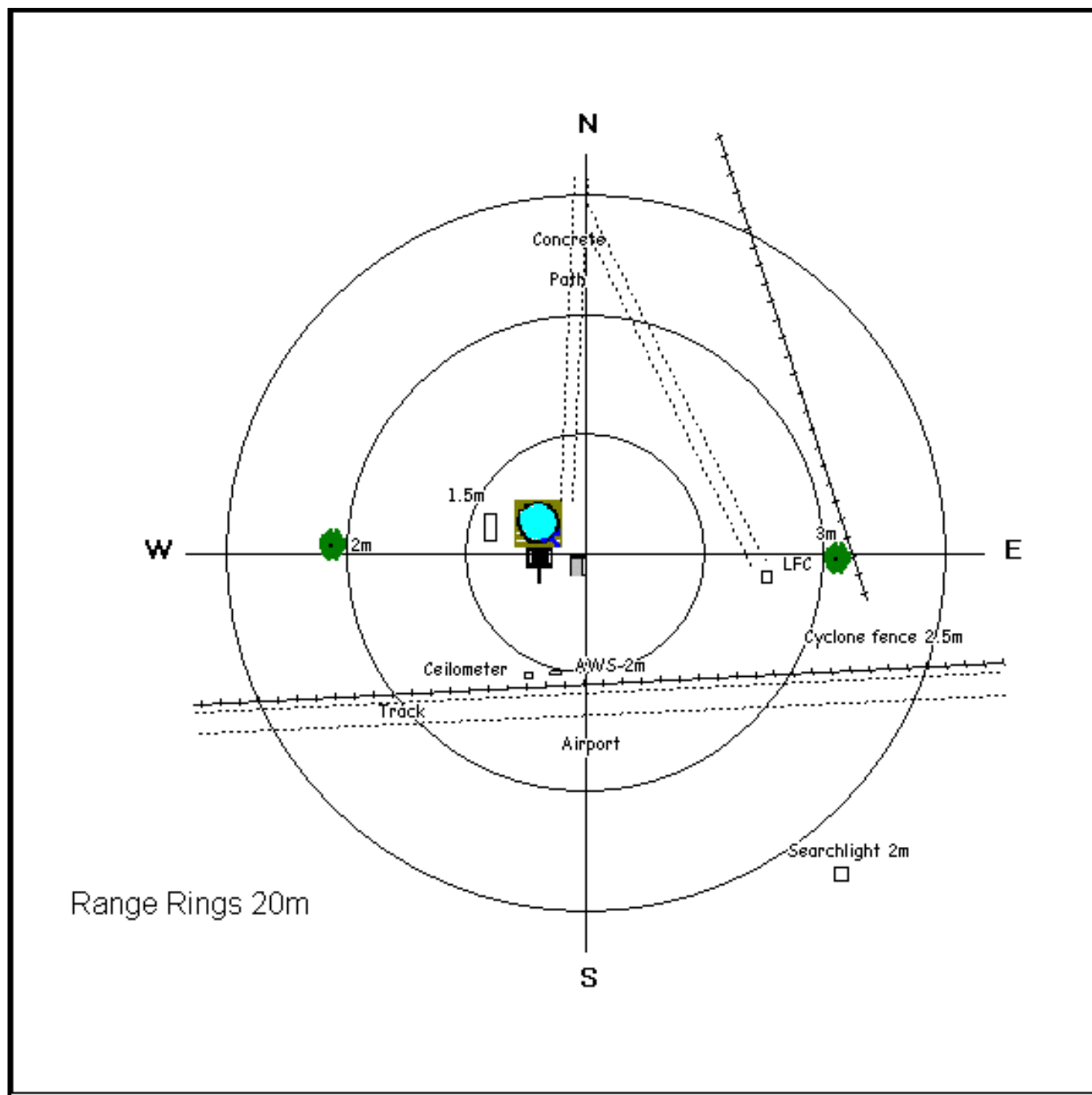
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## Instrument Location and Surrounding Features



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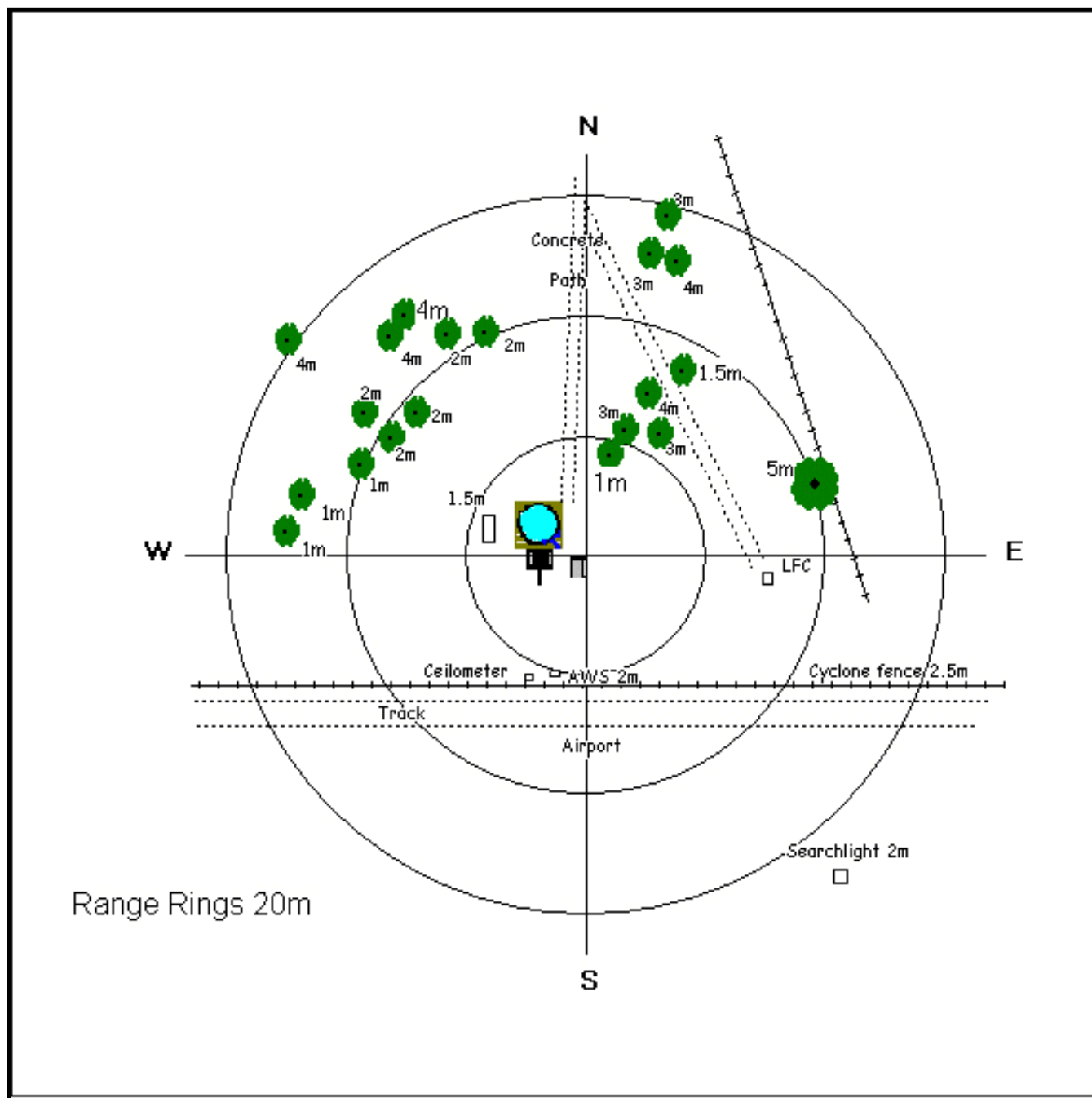
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All History

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### Instrument Location and Surrounding Features

13/09/2011



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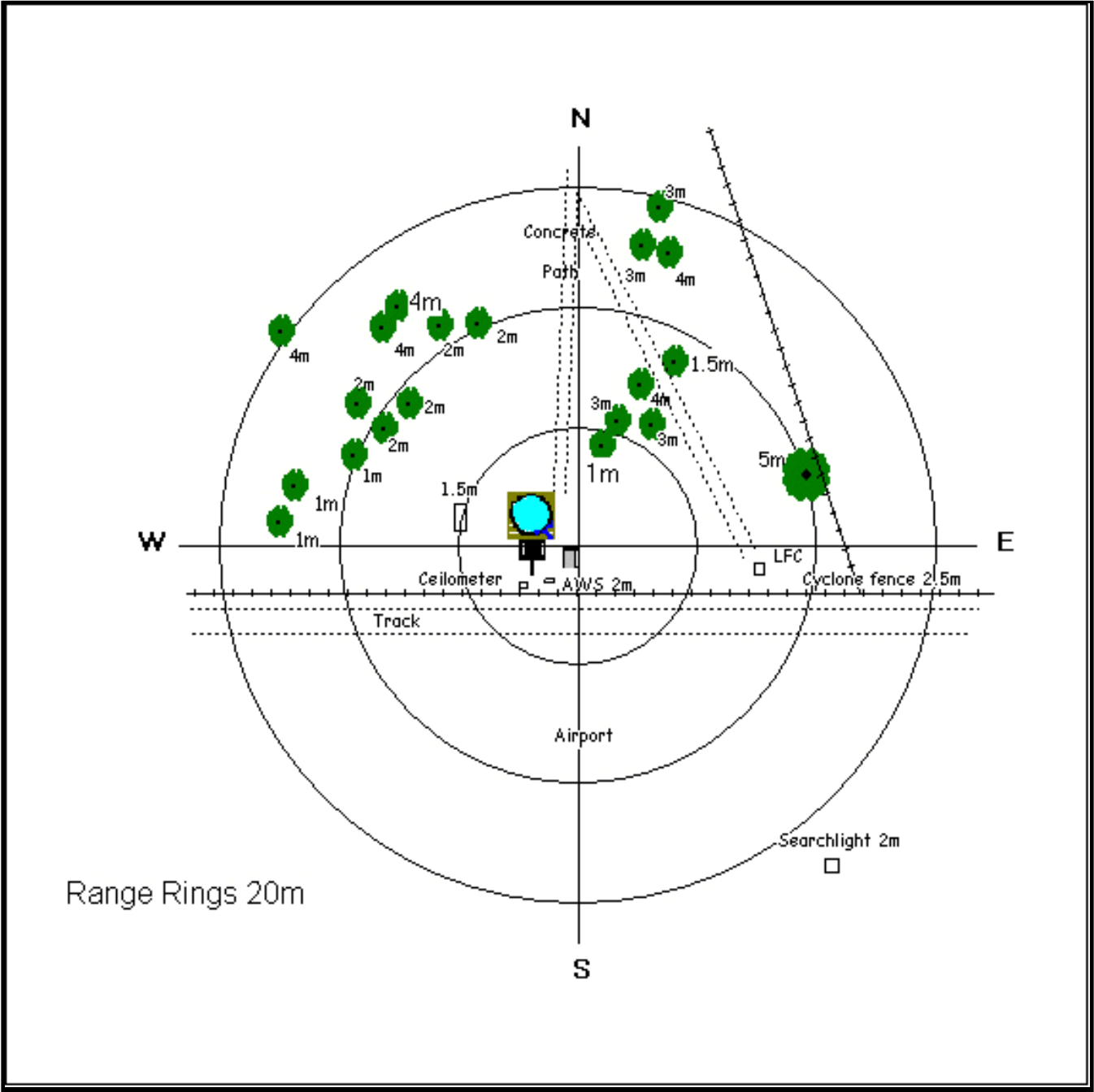
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Instrument Location and Surrounding Features  
27/06/2010



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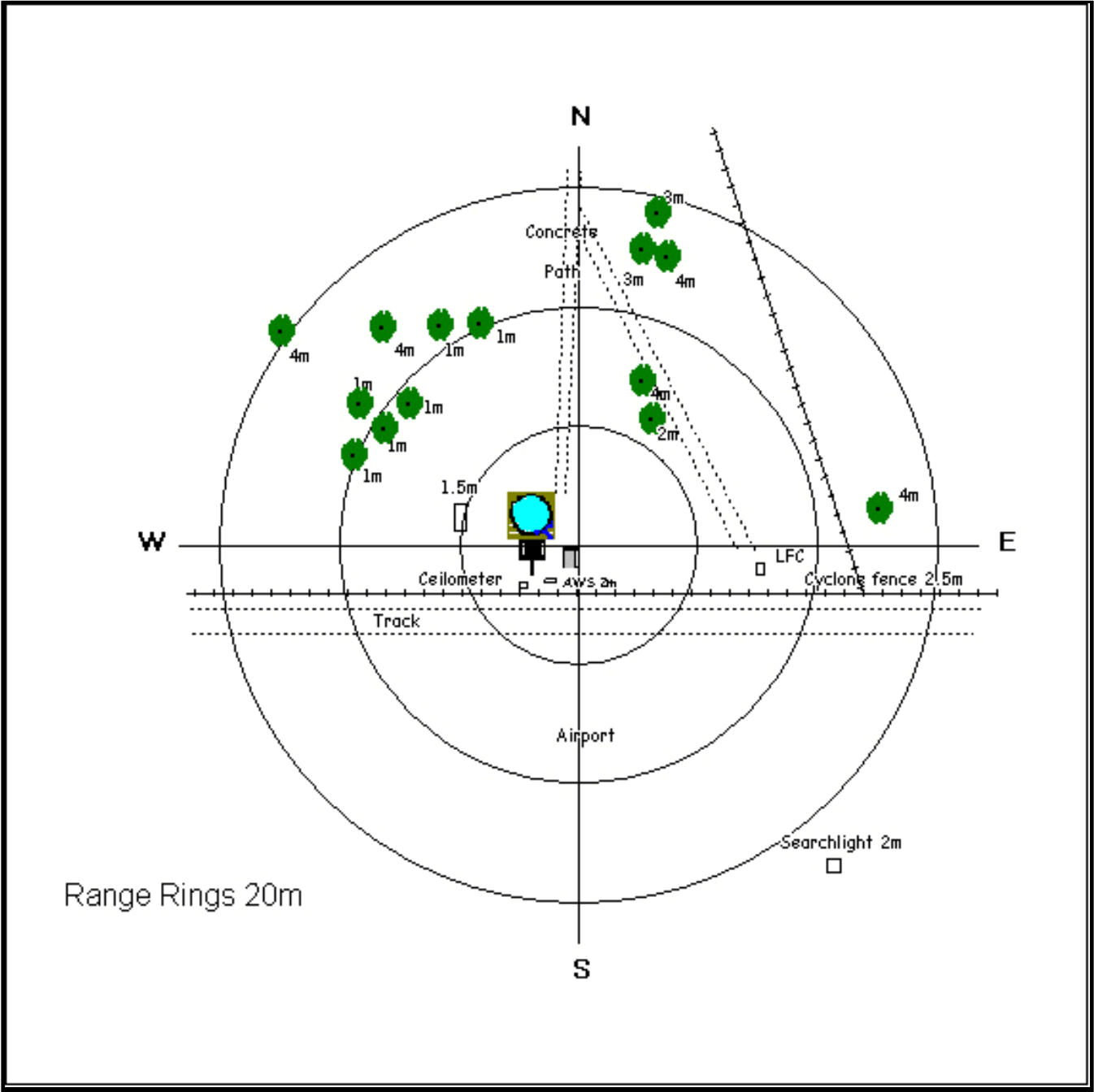
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Instrument Location and Surrounding Features  
28/04/2008



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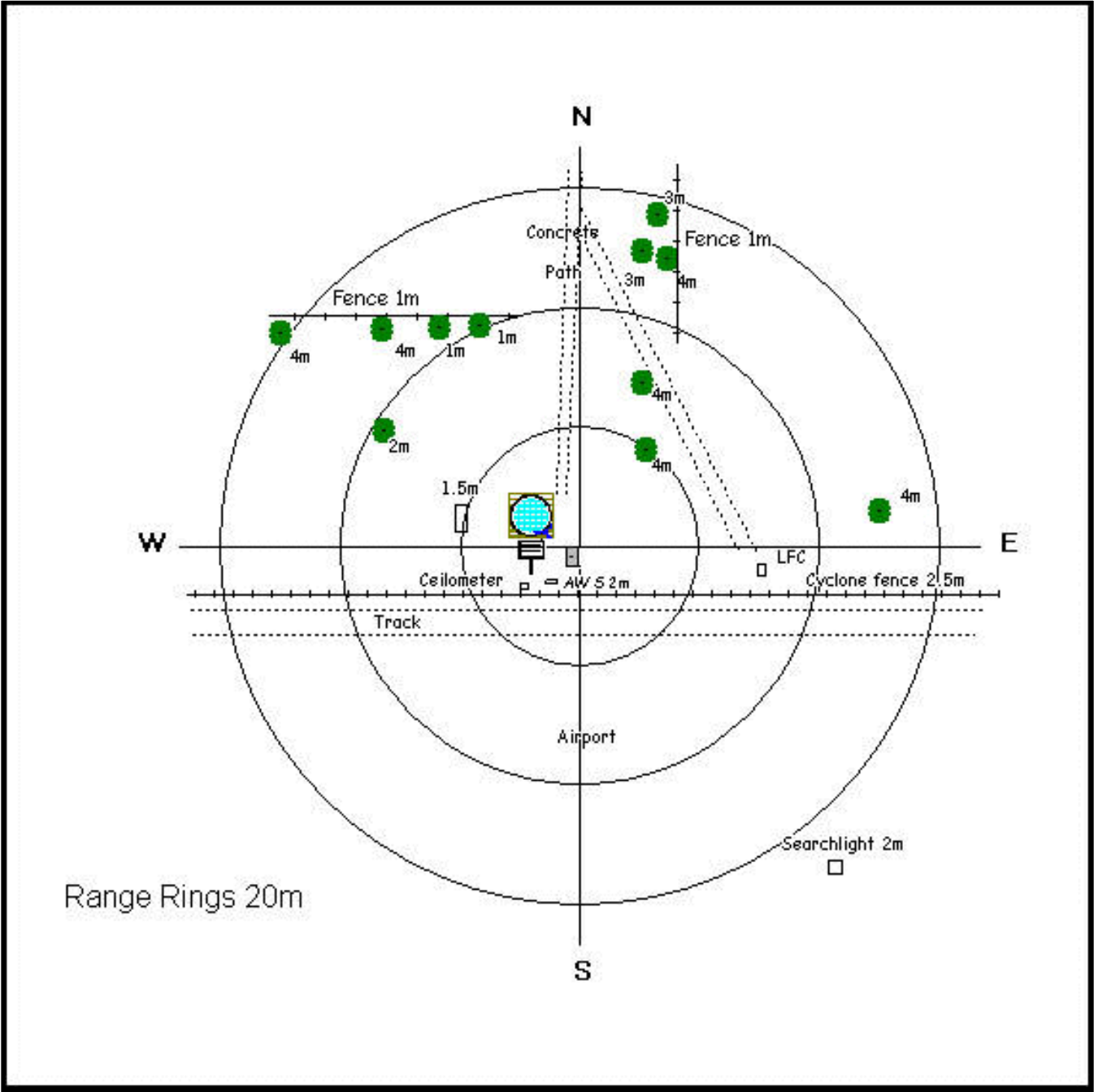
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Instrument Location and Surrounding Features  
08/05/2007



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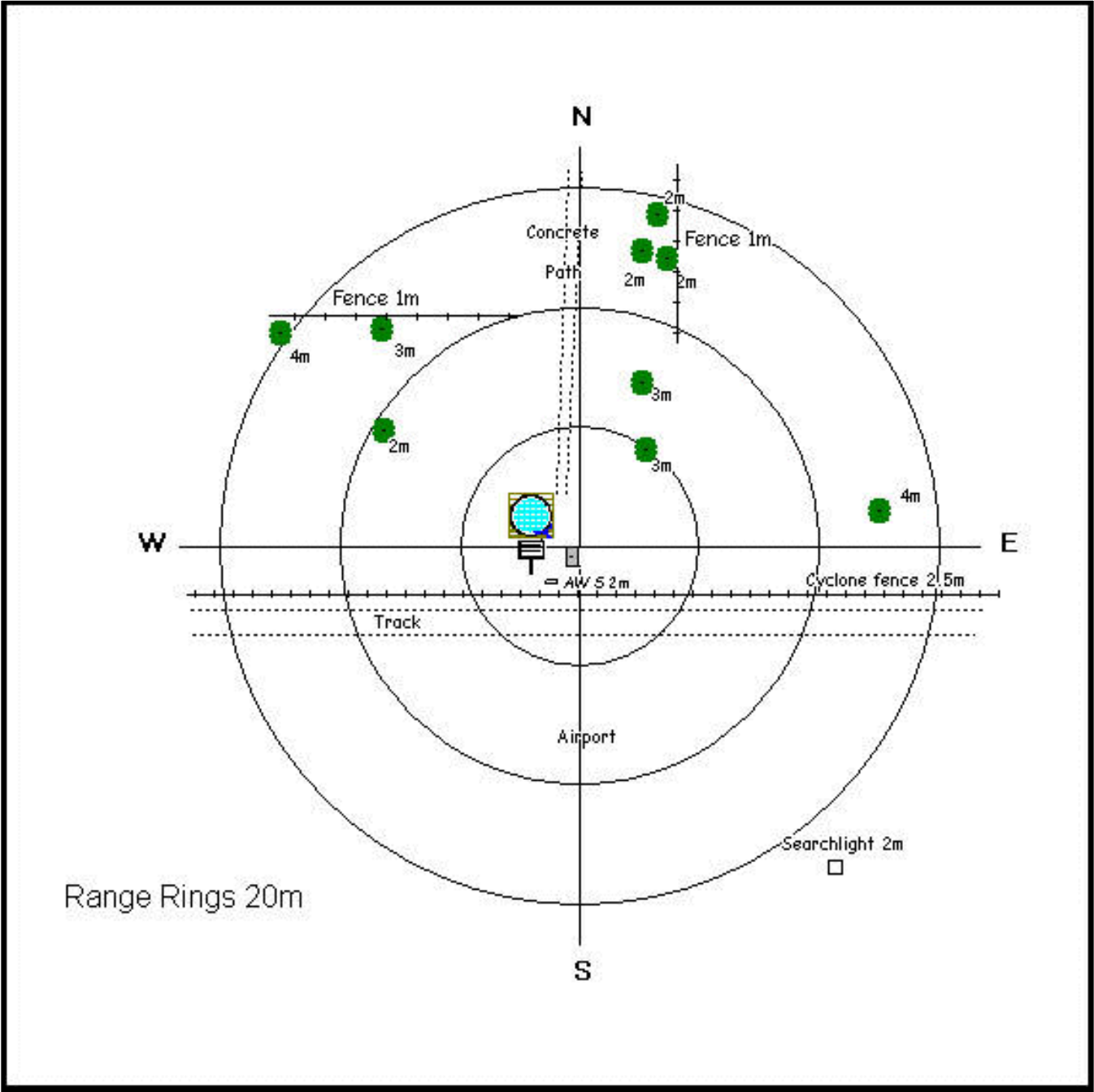




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Instrument Location and Surrounding Features  
09/05/2006



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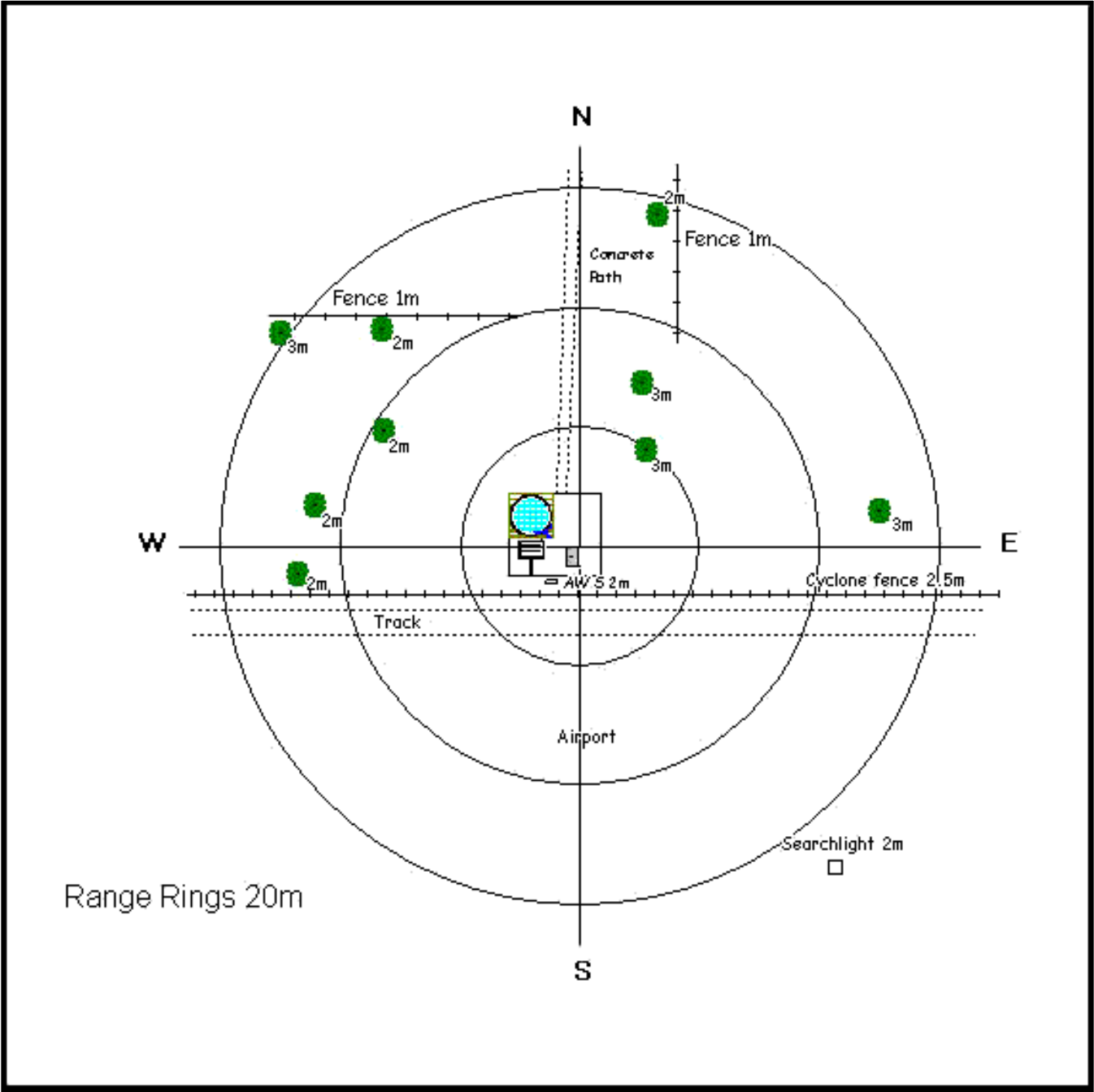
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Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
03/05/2005



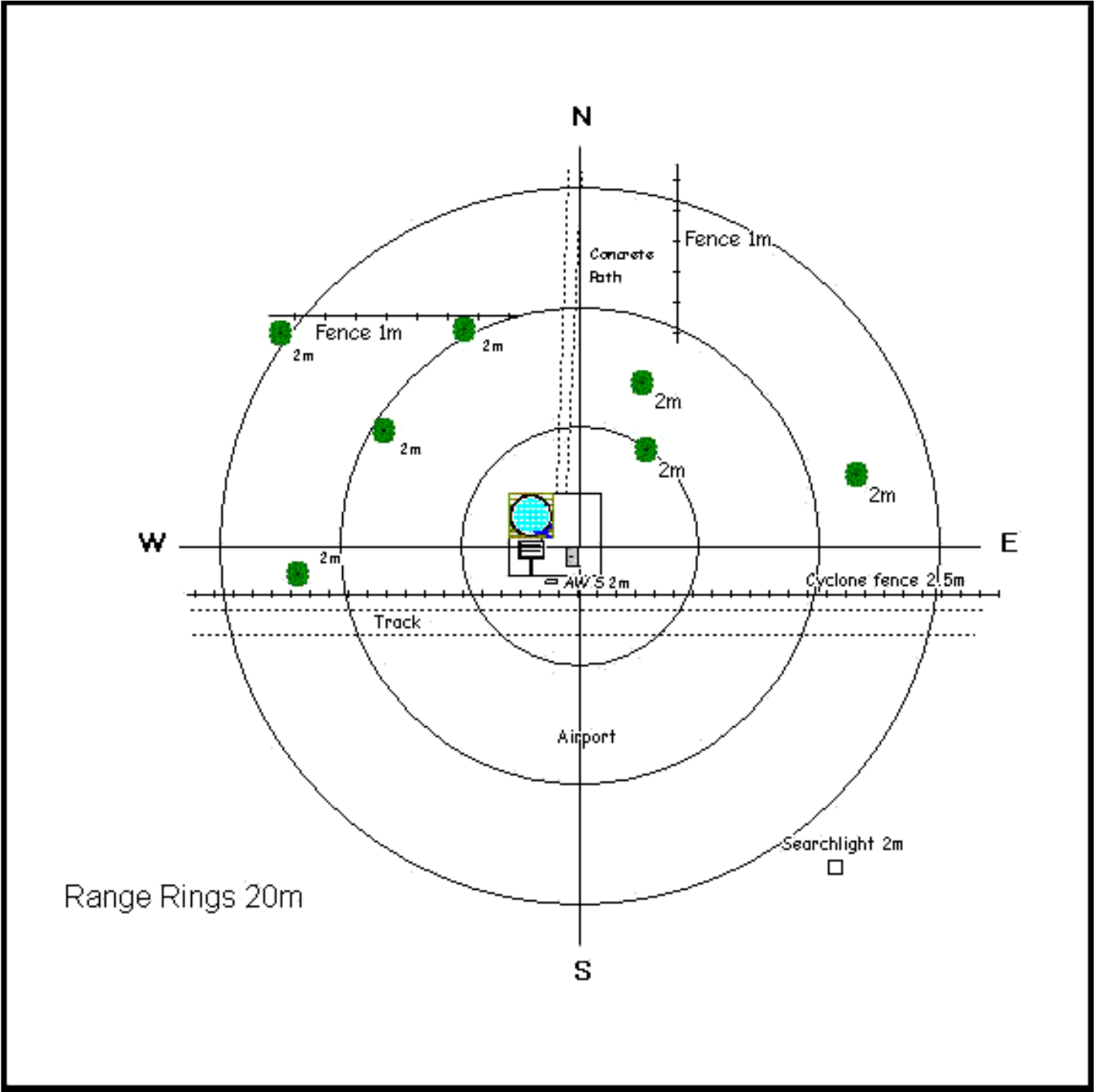
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
25/05/2004



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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
13/05/2003



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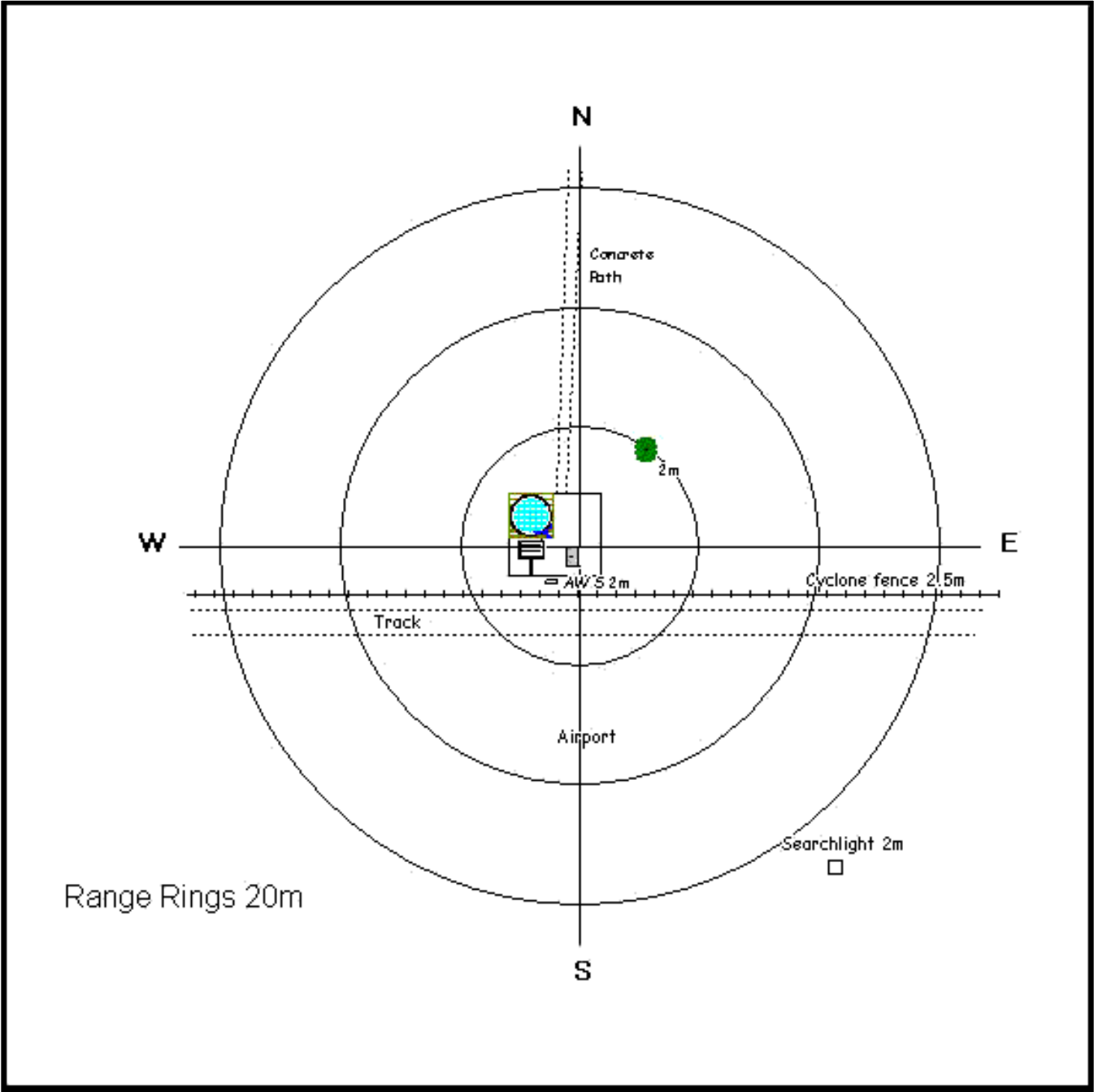
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
28/11/2002



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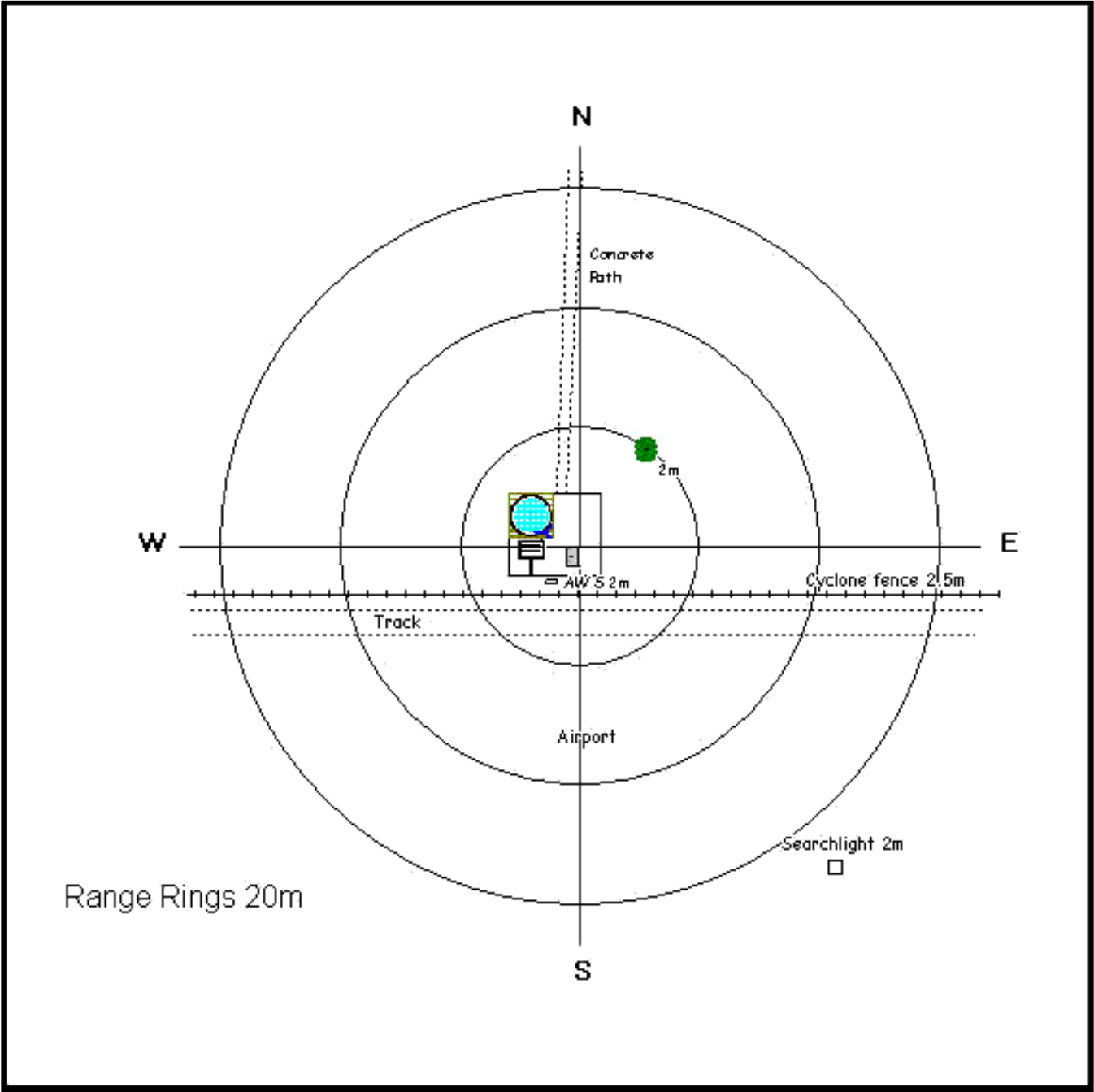
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
27/05/2002



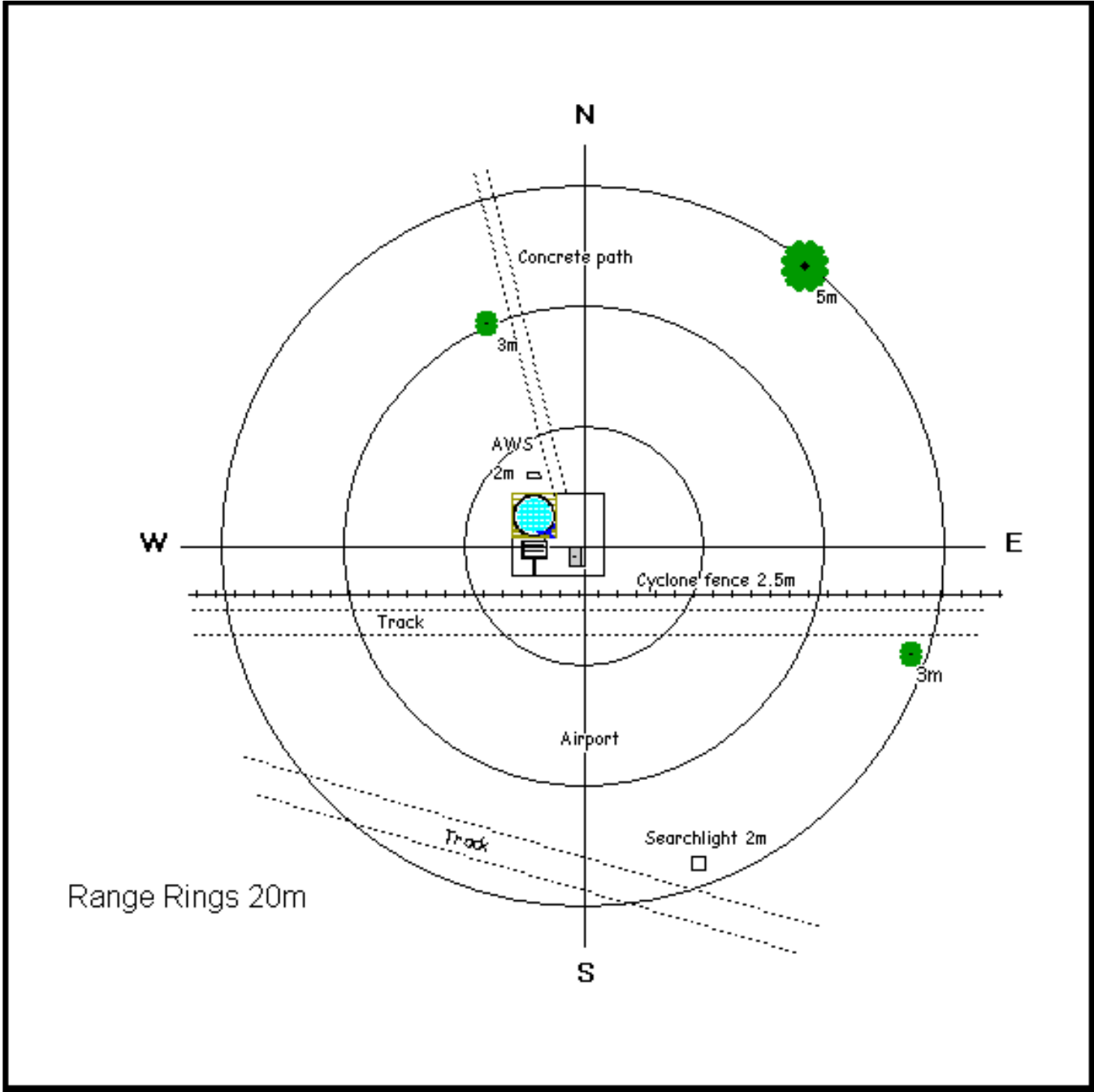
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
07/05/2001



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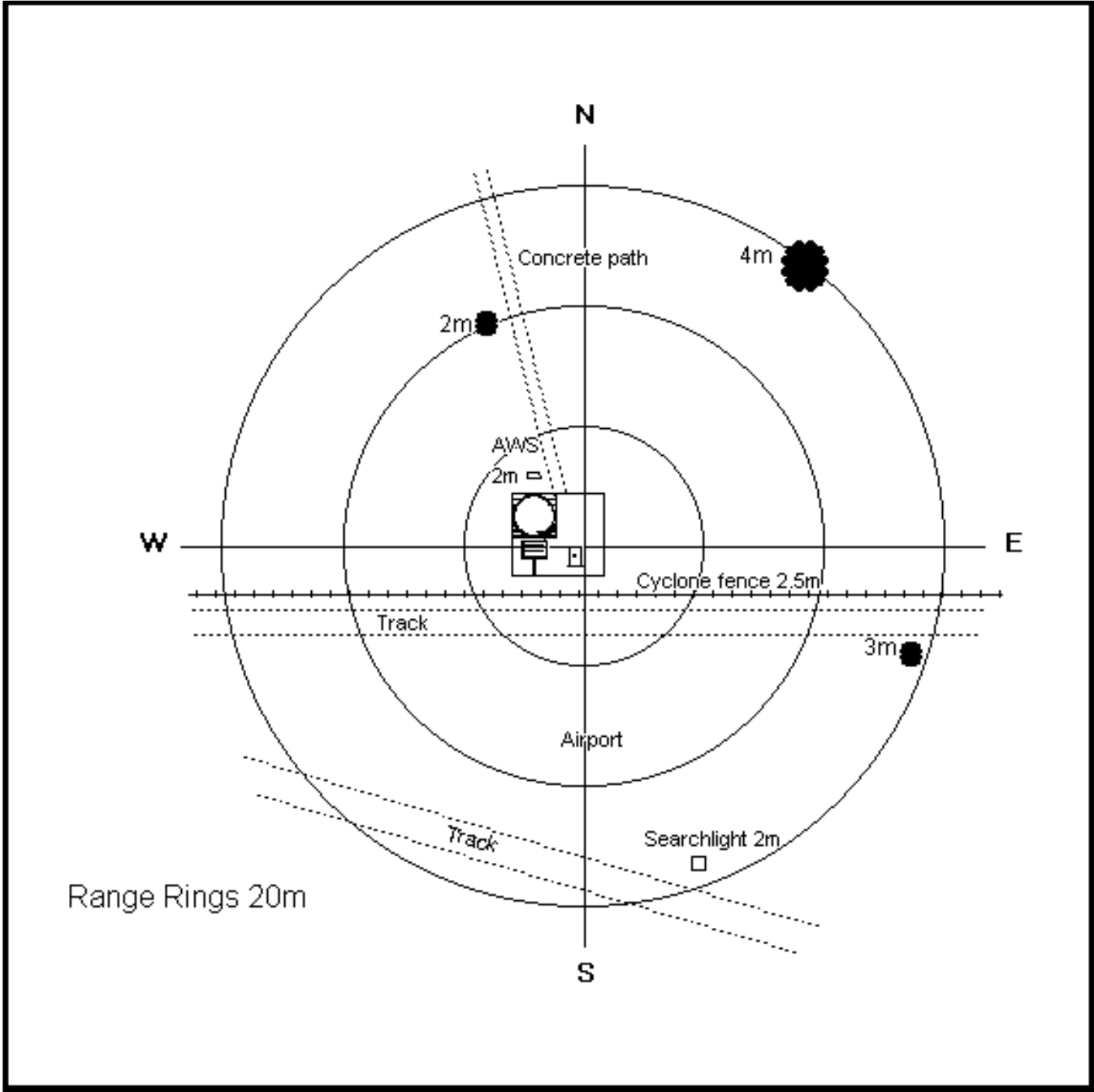
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
21/05/2000



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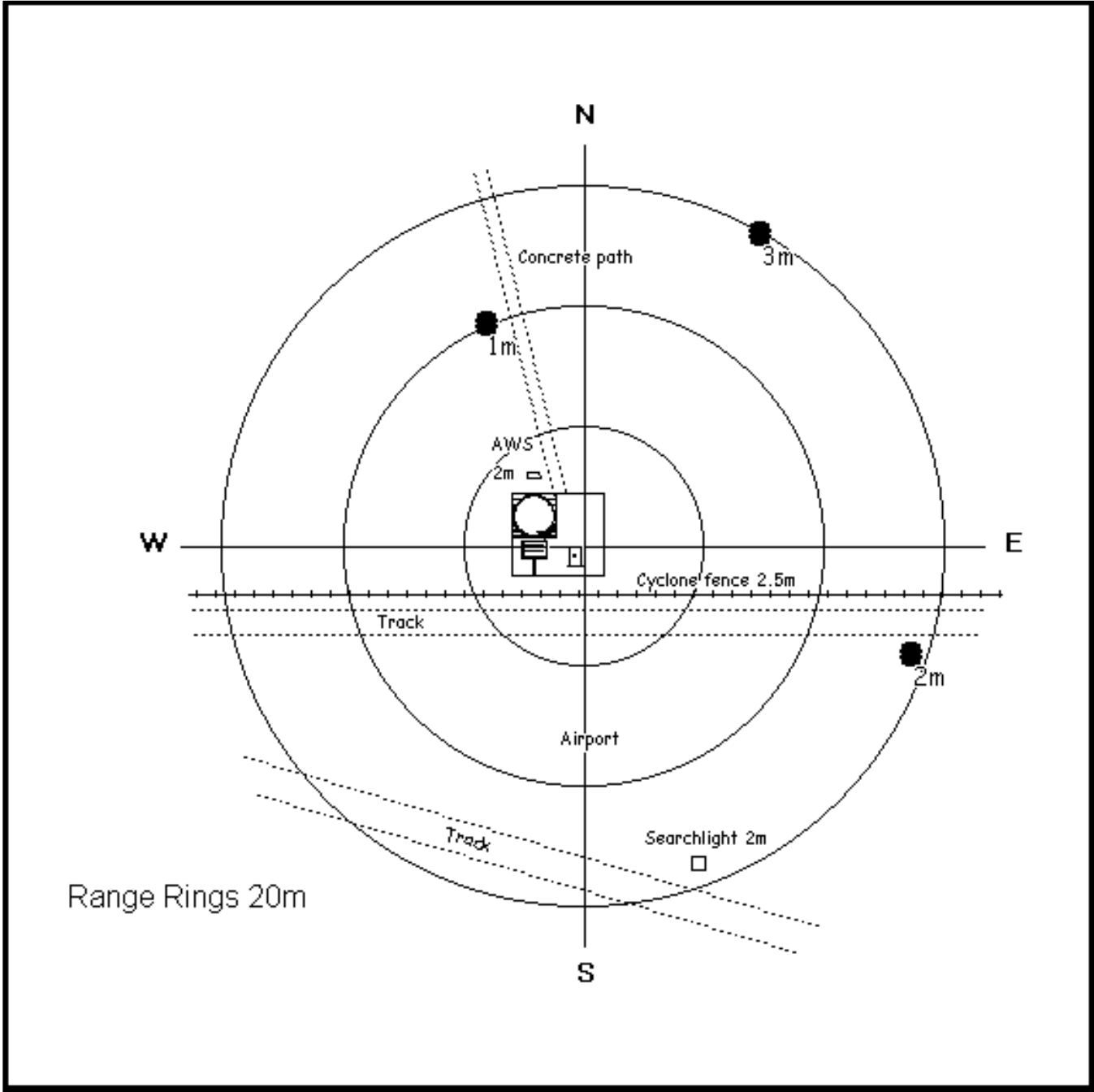




Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
06/09/1999



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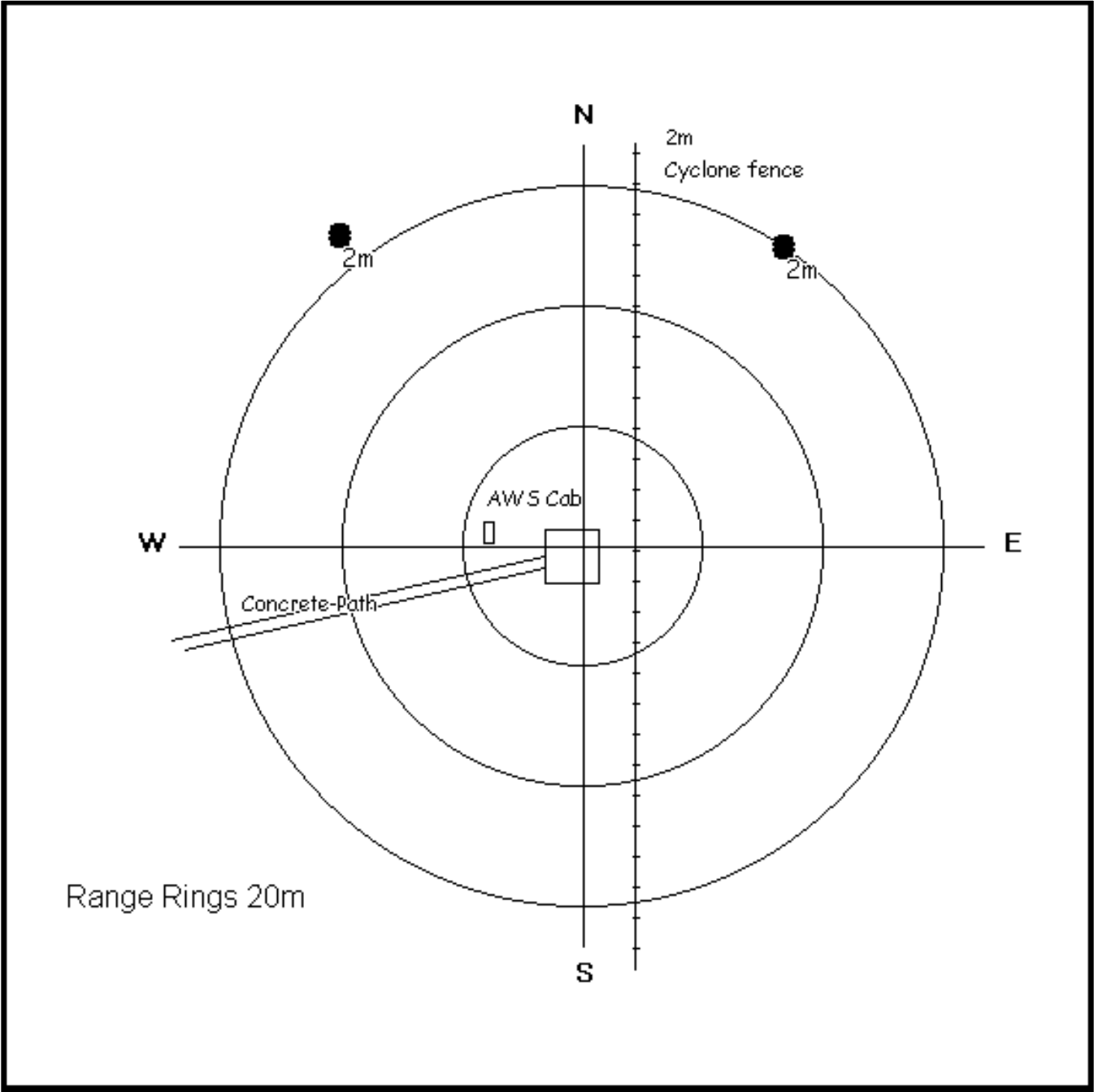
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
30/08/1998



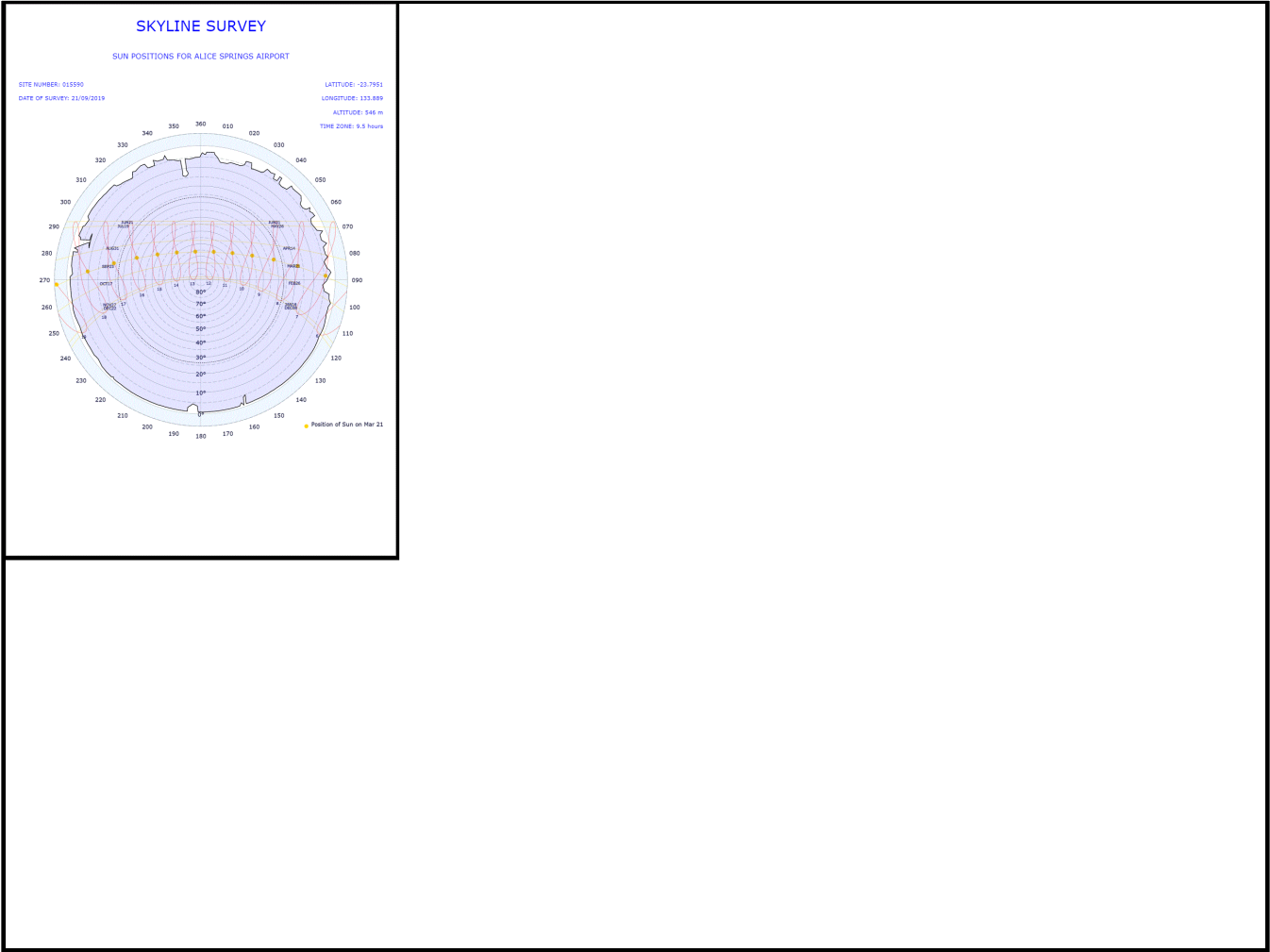
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Skyline Diagram  
21/09/2019(most recent)



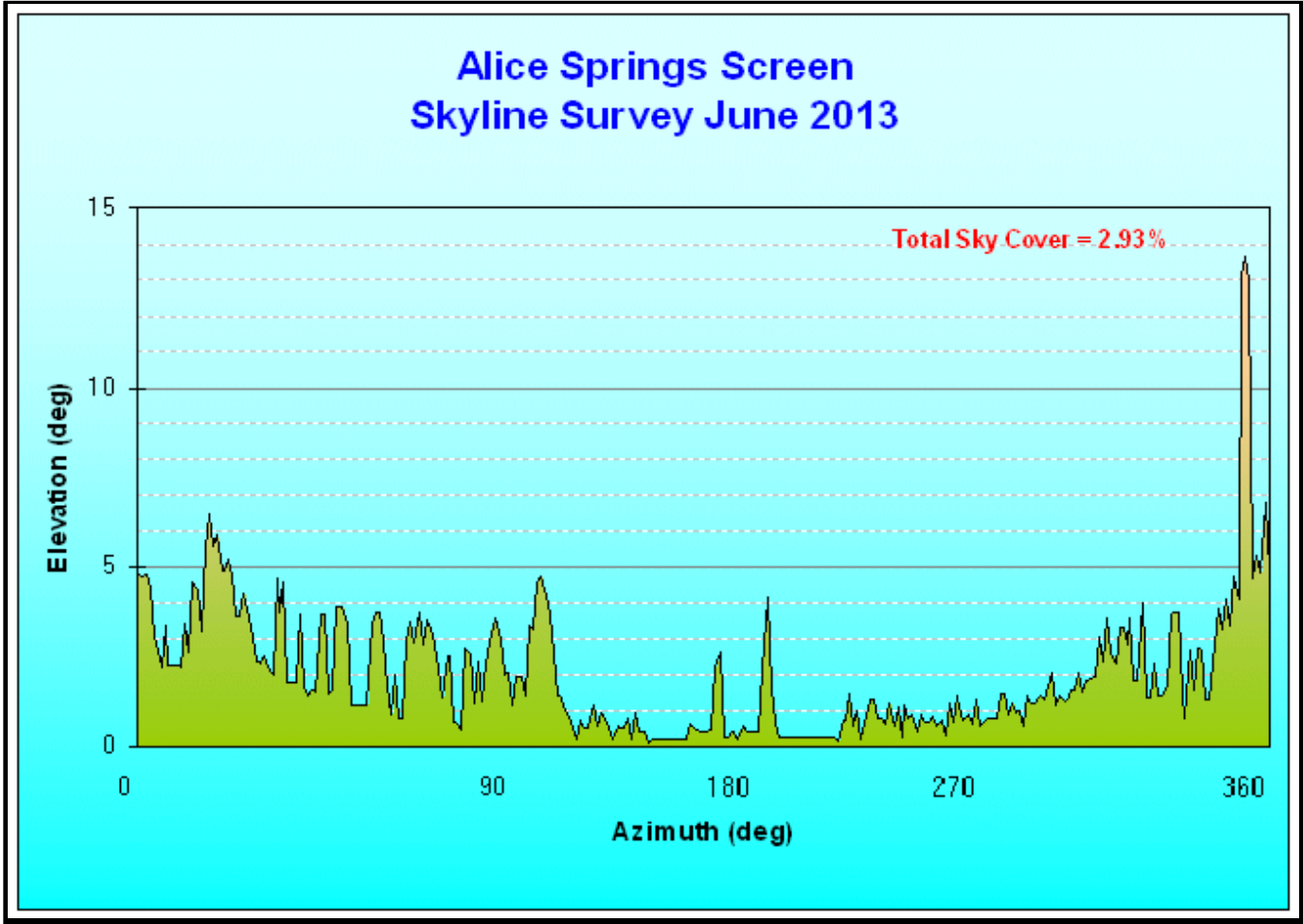
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Extended Climatological Station Metadata  
All History

<b>Station:</b>	ALICE SPRINGS AIRPORT		<b>Location:</b>	ALICE SPRINGS AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m
						<b>Current Status:</b>	Still open
						<b>Metadata compiled:</b>	28 JUL 2025

Skyline Diagram  
18/06/2013



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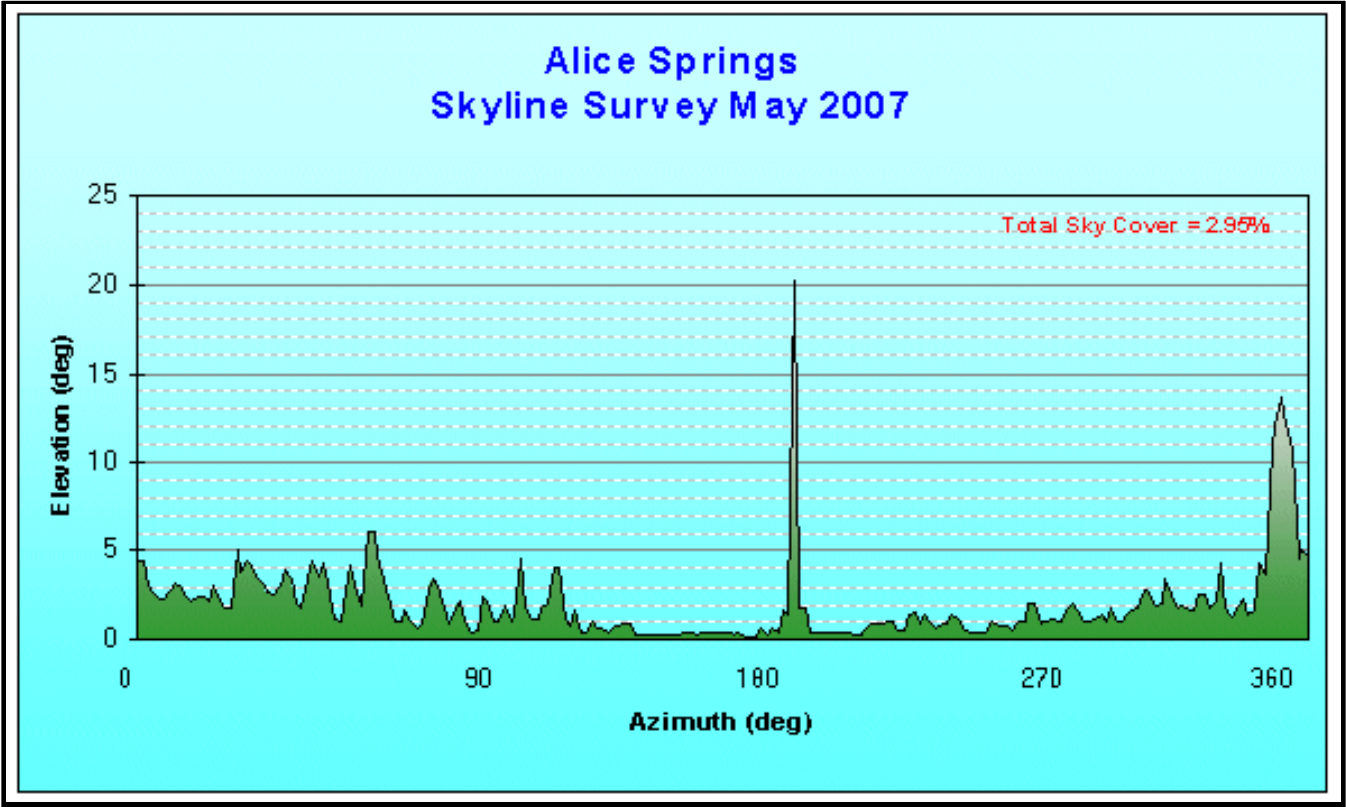
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT		Location:	ALICE SPRINGS AIRPORT		State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Skyline Diagram  
08/05/2007



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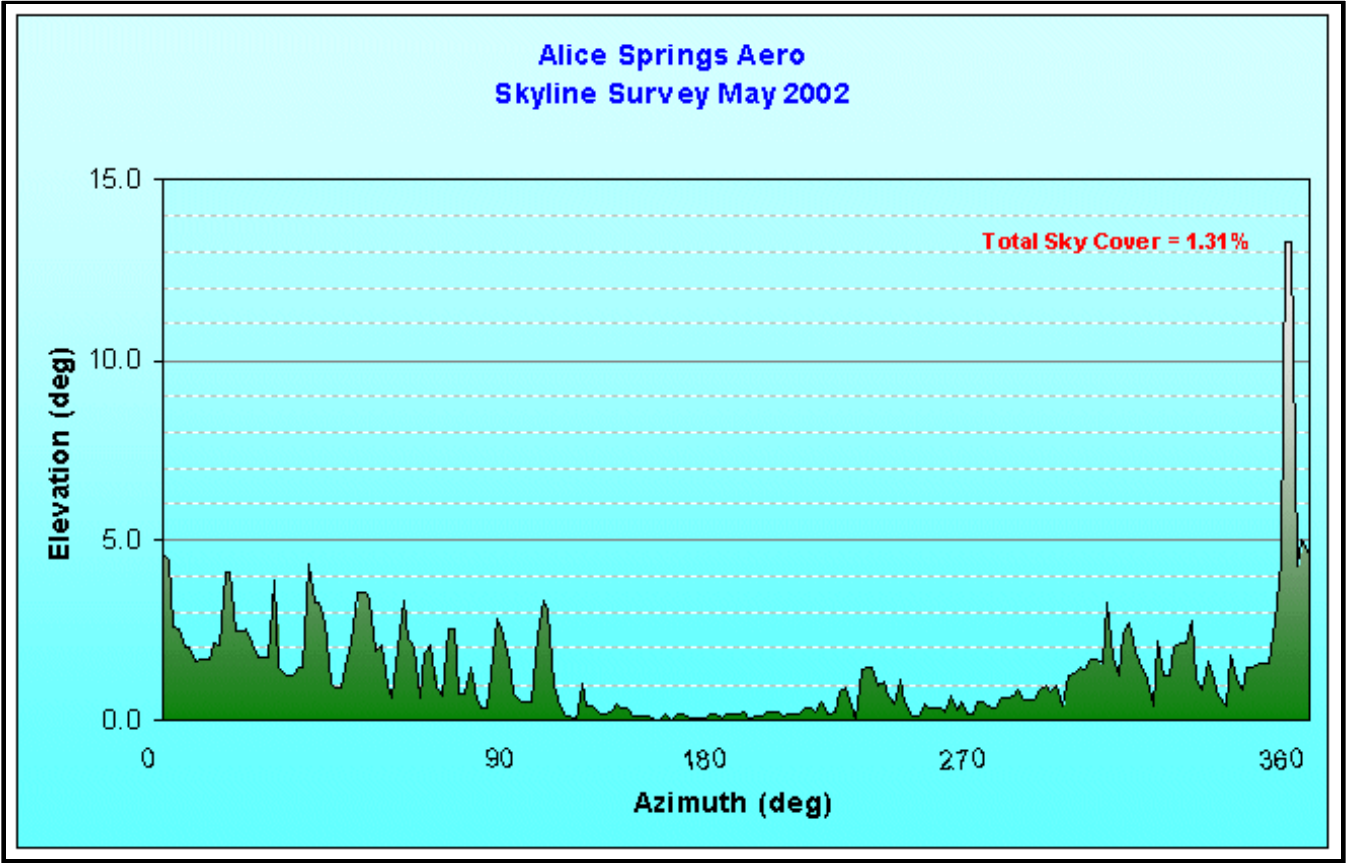
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Extended Climatological Station Metadata  
All History

Station:	ALICE SPRINGS AIRPORT			Location:	ALICE SPRINGS AIRPORT			State:	NT
Bureau No.:	015590	WMO No.:	94326	Aviation ID:	YBAS	Opened:	01 Jan 1940	Current Status:	Still open
Latitude:	-23.7951	Longitude:	133.8890	Elevation:	546 m	Barometer Elev:	547 m	Metadata compiled:	28 JUL 2025

Skyline Diagram  
27/05/2002



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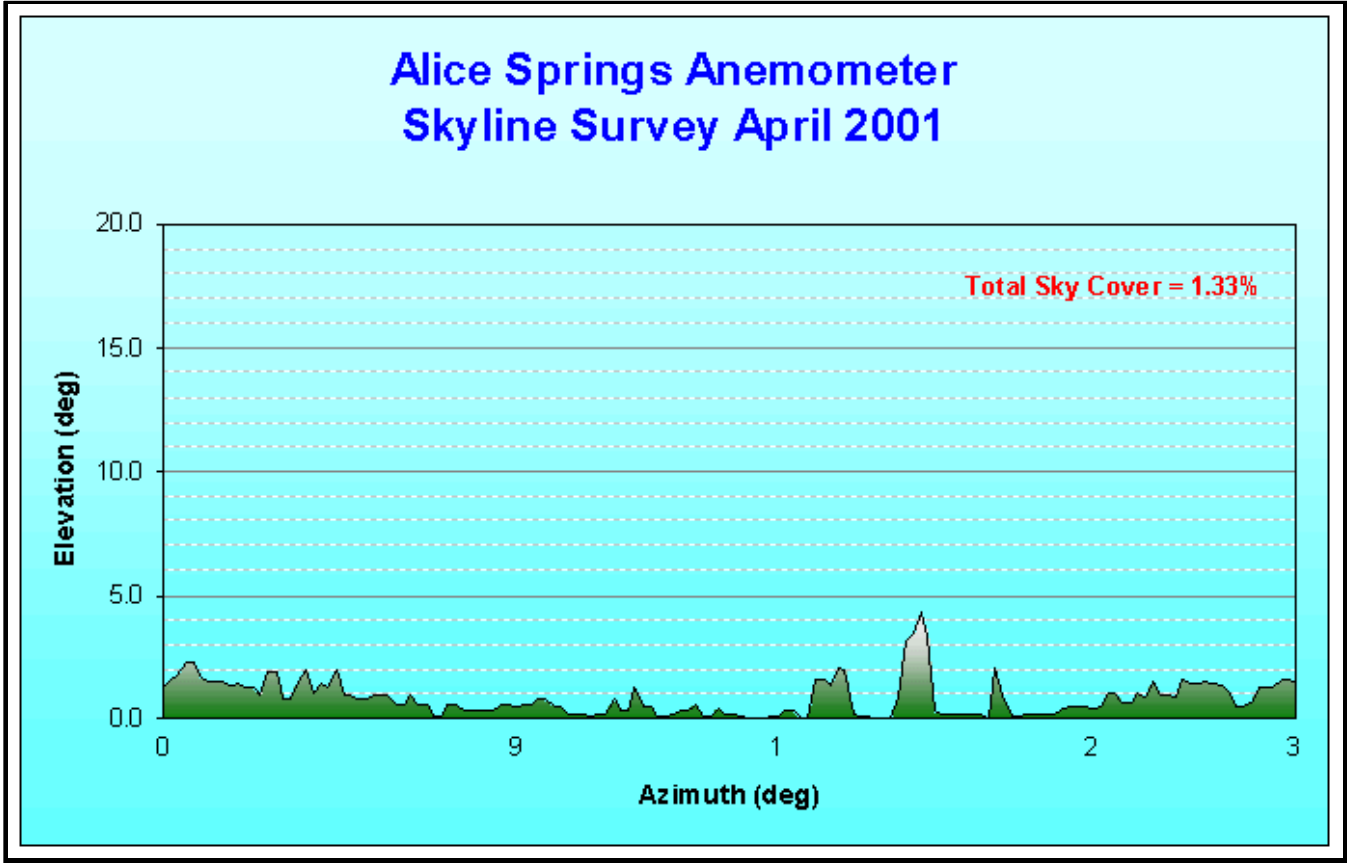
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Extended Climatological Station Metadata  
All History

<b>Station:</b>	ALICE SPRINGS AIRPORT		<b>Location:</b>	ALICE SPRINGS AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Skyline Diagram  
07/05/2001



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Extended Climatological Station Metadata  
All History

<b>Station:</b>	ALICE SPRINGS AIRPORT			<b>Location:</b>	ALICE SPRINGS AIRPORT			<b>State:</b>	NT
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940	<b>Current Status:</b>	Still open
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m	<b>Metadata compiled:</b>	28 JUL 2025

Station Observation Program Summary (Surface Observations) from 01/11/1941 to 09/04/2003

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 09/04/2003 to 28/04/2016

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 01/07/1999 to 01/01/2009

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

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## Extended Climatological Station Metadata

All History

<b>Station:</b>	ALICE SPRINGS AIRPORT		<b>Location:</b>	ALICE SPRINGS AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

### Upper Air Routine 01/01/2009 to 31/07/2012

Flight type	Time UTC	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Wind & Temp.	00:00	Y	Y	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	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 01/08/2012 to 28/04/2016

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	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 28/04/2016 to 24/08/2019

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	Y	-	-
Wind	06:00	Y	Y	Y	Y	Y	-	-
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

### Upper Air Routine 24/08/2019 to 02/04/2020

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	-	-	-	-	-	-	-

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Wind	18:00	-	-	-	-	-	-	-
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## Extended Climatological Station Metadata

All History

<b>Station:</b>	ALICE SPRINGS AIRPORT		<b>Location:</b>	ALICE SPRINGS AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

### Upper Air Routine 02/04/2020 to 03/09/2020

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	-	-	-	-	-	-	-
Wind	12:00	-	-	-	-	-	-	-
Wind	18:00	-	-	-	-	-	-	-

### Upper Air Routine 03/09/2020 (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>	ALICE SPRINGS AIRPORT		<b>Location:</b>	ALICE SPRINGS AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

## Station Equipment History

### Equipment Install/Remove

#### Cloud Height

02/MAY/2003 INSTALL Ceilometer (Type Vaisala CT25K S/N - Y08104) Surface Observations  
20/FEB/2018 REPLACE Ceilometer (Now Vaisala CL31 S/N - N0240555) Surface Observations  
15/APR/2018 REPLACE Ceilometer (Now Vaisala CL31 S/N - N4640940) Surface Observations  
01/NOV/1941 INSTALL Cloud Base Searchlight (Type 63 Degree S/N - 4468) Surface Observations  
29/AUG/2018 REMOVE Cloud Base Searchlight (Type 63 Degree S/N - 4468) Surface Observations

#### Humidity

28/MAY/2017 INSTALL Humidity Probe (Type Vaisala HMP45D S/N - Z2040013) Surface Observations

#### Pressure Trend

30/AUG/1998 INSTALL Barograph (Type Weekly S/N - 72) Surface Observations  
19/AUG/2009 REMOVE Barograph (Type Weekly S/N - 72) Surface Observations

#### Lightning

15/DEC/2005 INSTALL Lightning Sensor (Type Vaisala TSS928 (Thunderstorm Sensor) S/N - Z5150003) Surface Observations  
18/FEB/2011 REPLACE Lightning Sensor (Now Vaisala TSS928 (Thunderstorm Sensor) S/N - Z71040001) Surface Observations

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

#### Magnetic Bearing (No Electronic History)

#### Wind Direction

16/MAY/2000 INSTALL Anemometer (Type Deuta hand held S/N - Unknown) Surface Observations  
28/AUG/2018 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 78520) Surface Observations  
21/MAR/1995 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - Unknown) Surface Observations  
21/MAR/1991 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations  
21/MAR/1991 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WS=8/WD=NONE) Surface Observations  
12/APR/1999 INSTALL Mast Anemometer (Type Pivot, c/w Base 10m S/N - NONE) Infrastructure  
01/AUG/1954 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
05/JUN/2012 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
14/JAN/2000 REMOVE Anemometer (Type Synchrotac Cups - Type 732 S/N - Unknown) Surface Observations  
14/JAN/2000 REMOVE Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations  
04/JUN/2012 REMOVE Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
22/JUN/2021 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - NONE) Surface Observations  
22/JUN/2021 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 031217) Surface Observations  
28/AUG/2018 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 80278) Surface Observations  
04/OCT/2004 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - WS=80257/WD=D350) Surface Observations

#### Wet Bulb Temperature

21/MAR/1991 INSTALL Temperature Probe - Wet Bulb (Type Rosemount S/N - 0048) Surface Observations  
28/MAY/2017 REMOVE Temperature Probe - Wet Bulb (Type Rosemount S/N - 0038) Surface Observations  
02/OCT/2007 REPLACE Temperature Probe - Wet Bulb (Now Rosemount S/N - 0038) Surface Observations  
01/NOV/1941 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - S1522) Surface Observations  
01/APR/2019 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 19152) Surface Observations  
13/MAY/2003 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - 16670) Surface Observations  
03/MAY/2005 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - 19152) Surface Observations  
04/MAR/2003 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - 19152) Surface Observations

#### Solar Radiation (Long Wave)

23/FEB/1995 INSTALL Pyrgeometer (Type Epply PIR S/N - 28987F3) Radiation

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Extended Climatological Station Metadata  
All History

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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)

15/DEC/2003 REPLACE Pyrgeometer (Now Epply PIR S/N - 29075F3) Radiation  
22/JUL/2004 REPLACE Pyrgeometer (Now Epply PIR S/N - 29076F3) Radiation

Spectral Radiation

24/AUG/2005 INSTALL Photometer Head (Type PFR (Precision Filter Radiometer) S/N - 98-N-002) Radiation  
09/APR/2002 INSTALL Photometer Head (Type PFR (Precision Filter Radiometer) S/N - N19) Radiation  
22/JUL/1998 INSTALL Photometer Head (Type SPO1A Mk1 S/N - NONE) Radiation  
09/APR/2002 INSTALL Photometer Head (Type SPO2 Mk1 S/N - 1011) Radiation  
20/JUN/2006 REMOVE Photometer Head (Type SPO2 Mk1 S/N - 1039) Radiation  
23/AUG/2005 REPLACE Photometer Head (Now SPO2 Mk1 S/N - 1010) Radiation  
05/JUN/2004 REPLACE Photometer Head (Now SPO2 Mk1 S/N - 1020) Radiation  
01/MAY/2003 REPLACE Photometer Head (Now SPO2 Mk1 S/N - 1039) Radiation

Maximum Temperature

24/AUG/2006 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - 44398) Surface Observations  
01/NOV/1941 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - 4448) Surface Observations  
08/MAY/2007 REMOVE Thermometer, Mercury, Max (Type Dobbie S/N - 44398) Surface Observations  
28/APR/2016 REMOVE Thermometer, Mercury, Max (Type WIKA S/N - 27711) Surface Observations  
13/MAY/2003 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - M0326) Surface Observations  
19/JUL/2007 REPLACE Thermometer, Mercury, Max (Now WIKA S/N - 27711) Surface Observations

Soil Temperature 10cm

01/MAR/1967 INSTALL Thermometer, Soil, 10cm (Type Dobros S/N - CBM667) Surface Observations  
20/APR/2016 REMOVE Thermometer, Soil, 10cm (Type Amarol S/N - 9566447) Surface Observations  
03/FEB/2011 REPLACE Thermometer, Soil, 10cm (Now Amarol S/N - 9566447) Surface Observations  
07/MAY/2004 REPLACE Thermometer, Soil, 10cm (Now Dobros S/N - M2294) Surface Observations

Soil Temperature 20cm

01/MAR/1967 INSTALL Thermometer, Soil, 20cm (Type Dobros S/N - 617) Surface Observations  
20/APR/2016 REMOVE Thermometer, Soil, 20cm (Type Amarol S/N - 9984010) Surface Observations  
28/APR/2008 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 0673895) Surface Observations  
03/FEB/2011 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 9984010) Surface Observations  
07/MAY/2004 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - CBM615) Surface Observations  
13/MAY/2003 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - M3625) Surface Observations  
12/SEP/1999 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - M6434) Surface Observations

Soil Temperature 50cm

01/MAR/1967 INSTALL Thermometer, Soil, 50cm (Type Dobros S/N - R/2236) Surface Observations  
20/APR/2016 REMOVE Thermometer, Soil, 50cm (Type Amarol S/N - 0967124) Surface Observations  
29/JUL/2015 REPLACE Thermometer, Soil, 50cm (Now Amarol S/N - 0967124) Surface Observations  
01/AUG/1998 REPLACE Thermometer, Soil, 50cm (Now Dobros S/N - M2236) Surface Observations

Snow Height (No Electronic History)

Soil Temperature 100cm

01/MAR/1967 INSTALL Thermometer, Soil, 100cm (Type Dobros S/N - M6607) Surface Observations  
20/APR/2016 REMOVE Thermometer, Soil, 100cm (Type Dobros S/N - M6607) Surface Observations

Sunshine Hours

01/JAN/1954 INSTALL Sunshine Recorder (Type Negretti/Zambra S/N - CMO95) Surface Observations  
01/APR/2019 REMOVE Sunshine Recorder (Type Negretti/Zambra S/N - CMO95) Surface Observations

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<b>Metadata compiled:</b>							28 JUL 2025

## Station Equipment History (continued)

### Equipment Install/Remove(Continued)

#### Wind Run

01/AUG/1954 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
05/JUN/2012 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
04/JUN/2012 REMOVE Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations

#### Minimum Temperature

01/NOV/1941 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 14050) Surface Observations  
28/APR/2016 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 24335) Surface Observations  
13/MAY/2003 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 19453) Surface Observations  
27/JUN/2012 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 20788) Surface Observations  
03/MAY/2005 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 24268) Surface Observations  
22/JAN/2014 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 24335) Surface Observations  
29/JUL/2010 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 24335) Surface Observations  
03/APR/2011 REPLACE Thermometer, Alcohol, Min (Now WIKA S/N - 30392) Surface Observations  
01/MAY/2011 REPLACE Thermometer, Alcohol, Min (Now WIKA S/N - 30426) Surface Observations  
19/JUN/2013 REPLACE Thermometer, Alcohol, Min (Now WIKA S/N - 31816) Surface Observations  
15/OCT/2013 REPLACE Thermometer, Alcohol, Min (Now WIKA S/N - 31881) Surface Observations

#### Terrestrial Minimum Temperature

01/JUL/1951 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 17238) Surface Observations  
19/JUN/2013 INSTALL Thermometer, Terrestrial, Min (Type WIKA S/N - 32915) Surface Observations  
19/JUN/2013 REMOVE Thermometer, Terrestrial, Min (Type WIKA S/N - 31289) Surface Observations  
28/APR/2016 REMOVE Thermometer, Terrestrial, Min (Type WIKA S/N - 32915) Surface Observations  
01/NOV/1998 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 14050) Surface Observations  
03/JUL/2002 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 19453) Surface Observations  
06/JAN/2003 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 20480) Surface Observations  
11/JAN/2003 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 22113) Surface Observations  
11/MAY/2006 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M0081) Surface Observations  
18/AUG/2008 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M6582) Surface Observations  
28/MAR/2011 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 31289) Surface Observations

#### Visibility

13/AUG/2007 INSTALL Visibility Meter (Type Vaisala FD12 S/N - C06101) Surface Observations  
05/AUG/2018 REPLACE Visibility Meter (Now Vaisala FS11 S/N - M3940562) Surface Observations

#### Soil Temperature 5cm (No Electronic History)

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

#### Electrical Conductivity (No Electronic History)

#### Oxygen Content (No Electronic History)

#### RF Reflectivity

01/AUG/1953 INSTALL Radar (Type 277F S/N - Unknown) Upper Air  
01/AUG/1953 INSTALL Radar (Type 277F S/N - Unknown) WeatherWatch  
21/DEC/2001 INSTALL Radar (Type WF100-6C S/N - 001) Upper Air  
21/DEC/2001 INSTALL Radar (Type WF100-6C S/N - 001) WeatherWatch  
01/SEP/1972 INSTALL Radar (Type WF44 S/N - 0002) Upper Air  
01/SEP/1972 INSTALL Radar (Type WF44 S/N - 0002) WeatherWatch  
11/FEB/2002 INSTALL Radar Interface (Type BOM S/N - NONE) Upper Air

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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)

25/SEP/2002 INSTALL Radar Interface (Type BOM S/N - Unknown) WeatherWatch  
14/MAY/2015 INSTALL Radar Safety System (RSS) (Type RSS (2502C/8502S) S/N - 6236-04) WeatherWatch  
13/NOV/2001 INSTALL Radar Tower (Type Cylindrical WF100 - 15.75 m S/N - NONE) Infrastructure  
01/JUN/1974 INSTALL Radar Tower (Type Lattice WF44 - 18 ft S/N - NONE) Infrastructure  
01/MAY/1974 REMOVE Radar (Type 277F S/N - Unknown) Upper Air  
01/MAY/1974 REMOVE Radar (Type 277F S/N - Unknown) WeatherWatch  
11/FEB/2002 REMOVE Radar (Type WF44 S/N - 0002) Upper Air  
12/FEB/2002 REMOVE Radar (Type WF44 S/N - 0002) WeatherWatch  
30/SEP/2002 REMOVE Radar Interface (Type BOM S/N - Unknown) WeatherWatch  
11/FEB/2002 REMOVE Radar Tower (Type Lattice WF44 - 18 ft S/N - NONE) Infrastructure

Total Column Ozone Amount (No Electronic History)

Pressure

01/SEP/1942 INSTALL Barometer (Type Kew pattern mercury S/N - 2098) Surface Observations  
21/MAR/1991 INSTALL Barometer (Type Vaisala DPA25 S/N - 359315) Surface Observations  
01/JAN/1994 REMOVE Barometer (Type Kew pattern mercury S/N - 2098) Surface Observations  
10/JUL/2000 REPLACE Barometer (Now Vaisala PA11A S/N - 661838) Surface Observations  
01/SEP/1995 REPLACE Barometer (Now Vaisala PA11A S/N - 661864) Surface Observations  
01/JUL/1994 REPLACE Barometer (Now Vaisala PA11A S/N - 667105) Surface Observations  
06/JUN/2012 REPLACE Barometer (Now Vaisala PTB220B S/N - C3840021) Surface Observations  
05/JUN/2012 REPLACE Barometer (Now Vaisala PTB220B S/N - C3840021) Surface Observations  
28/AUG/2019 REPLACE Barometer (Now Vaisala PTB330B (General Use) S/N - L1820454) Surface Observations

Evaporation

01/DEC/2017 INSTALL Equipment Reset Device (Type Watchdog Automatic Evaporation Pan S/N - Unknown) Surface Observations  
01/AUG/1954 INSTALL Evaporation Pan (Type Class A S/N - NONE) Surface Observations  
01/DEC/2017 INSTALL Evaporation Pan (Type SS Class A Automatic S/N - NONE) Surface Observations  
04/JUN/2012 REPLACE Evaporation Pan (Now Class A S/N - NONE) Surface Observations

Rainfall

01/JUN/1951 INSTALL Pluviograph (Type Unknown S/N - Unknown) Rainfall Intensity  
29/JUN/2009 REMOVE Pluviograph (Type Dines syphoning S/N - CBM384) Rainfall Intensity  
21/OCT/2005 REPLACE Pluviograph (Now Dines syphoning S/N - CBM384) Rainfall Intensity  
01/JAN/1954 REPLACE Pluviograph (Now Dines syphoning S/N - NONE) Rainfall Intensity  
01/NOV/1941 INSTALL Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations  
01/DEC/2017 INSTALL Raingauge (Type HS-TB3/0.1/P S/N - Unknown) Surface Observations  
20/JAN/1993 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 332090) Rainfall Intensity  
31/JUL/1974 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - Unknown) Surface Observations  
20/JAN/1993 REMOVE Raingauge (Type Rimco 7499 TBRG S/N - Unknown) Surface Observations  
01/MAY/2016 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 71595) Rainfall Intensity  
01/MAY/2016 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 71595) Surface Observations  
04/MAR/2003 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 82498) Rainfall Intensity  
04/MAR/2003 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 82498) Surface Observations  
01/NOV/1999 REPLACE Raingauge (Now Rimco TBRG (type unspecified) S/N - 77124) Rainfall Intensity  
01/NOV/1999 REPLACE Raingauge (Now Rimco TBRG (type unspecified) S/N - 77124) Surface Observations

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Station Equipment History (continued)

Equipment Install/Remove(Continued)

16/MAR/2001 SHARE Raingauge (Type Rimco 7499 TBRG S/N - 332090) Surface Observations  
16/MAR/2001 SHARE Raingauge (Type Rimco 7499 TBRG S/N - 82498) Surface Observations  
16/MAR/2001 SHARE Raingauge (Type Rimco TBRG (type unspecified) S/N - 77124) Surface Observations  
19/SEP/2019 UNSHARE Raingauge (Type Rimco 7499 TBRG S/N - 71595) Rainfall Intensity

River Height (No Electronic History)

Solar Radiation

23/FEB/1995 INSTALL Global Pyranometer Mount (Type Carter Scott Mk1 S/N - Unknown) Radiation  
02/SEP/1993 INSTALL Pyranometer (Type Kipp&Zonen CM11 S/N - 924021) Radiation  
02/SEP/1993 INSTALL Pyranometer (Type Kipp&Zonen CM11 S/N - 924048) Radiation  
13/MAR/2008 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 048542) Radiation  
13/MAR/2008 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 058753) Radiation  
08/AUG/1995 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
10/JAN/1996 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
17/JUL/1997 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
04/FEB/1998 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
22/JUL/1998 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
21/APR/1999 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
15/FEB/2000 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
11/DEC/2006 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
21/JUN/2006 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924021) Radiation  
08/AUG/1995 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
10/JAN/1996 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
17/JUL/1997 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
04/FEB/1998 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
22/JUL/1998 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
21/APR/1999 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
15/FEB/2000 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
11/DEC/2006 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation  
21/JUN/2006 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924048) Radiation

Solar Radiation (Direct)

23/FEB/1995 INSTALL Pyrheliometer (Type Kipp&Zonen CH1 S/N - 940042) Radiation  
20/JUN/2006 REPLACE Pyrheliometer (Now Kipp&Zonen CH1 S/N - 940059) Radiation

Turbidity (No Electronic History)

Sea Water Level (No Electronic History)

Sea Water Temperature

01/DEC/2017 INSTALL Temperature Probe - Water (Type TEMP CONTROLS TCBMP02A S/N - Unknown) Surface Observations

Wind Speed

16/MAY/2000 INSTALL Anemometer (Type Deuta hand held S/N - Unknown) Surface Observations  
28/AUG/2018 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 78520) Surface Observations  
21/MAR/1995 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - Unknown) Surface Observations  
21/MAR/1991 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations  
21/MAR/1991 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WS=8/WD=NONE) Surface Observations  
12/APR/1999 INSTALL Mast Anemometer (Type Pivot, c/w Base 10m S/N - NONE) Infrastructure

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	ALICE SPRINGS AIRPORT		<b>Location:</b>	ALICE SPRINGS AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	015590	<b>WMO No.:</b>	94326	<b>Aviation ID:</b>	YBAS	<b>Opened:</b>	01 Jan 1940
<b>Latitude:</b>	-23.7951	<b>Longitude:</b>	133.8890	<b>Elevation:</b>	546 m	<b>Barometer Elev:</b>	547 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

01/AUG/1954 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
05/JUN/2012 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
14/JAN/2000 REMOVE Anemometer (Type Synchrotac Cups - Type 732 S/N - Unknown) Surface Observations  
14/JAN/2000 REMOVE Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations  
04/JUN/2012 REMOVE Wind Run Anemometer (Type Synchrotac S/N - 801) Surface Observations  
22/JUN/2021 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - NONE) Surface Observations  
22/JUN/2021 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 031217) Surface Observations  
28/AUG/2018 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 80278) Surface Observations  
04/OCT/2004 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - WS=80257/WD=D350) Surface Observations

Air Temperature

28/MAY/2017 INSTALL Humidity Probe (Type Vaisala HMP45D S/N - Z2040013) Surface Observations  
21/MAR/1991 INSTALL Temperature Probe - Dry Bulb (Type Unknown S/N - 0016) Surface Observations  
11/NOV/2011 REPLACE Temperature Probe - Dry Bulb (Now Temp Control TCBMP01 S/N - 10278) Surface Observations  
01/NOV/1941 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - S1552) Surface Observations  
01/APR/2019 REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - S1552) Surface Observations  
13/MAY/2003 REPLACE Thermometer, Mercury, Dry Bulb (Now Dobbie S/N - 16950) Surface Observations  
03/MAY/2005 REPLACE Thermometer, Mercury, Dry Bulb (Now Dobbie S/N - S1552) 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 mutli-stage quality control process.

Available Date Range	Element	Fail Field Performance Check
18/JUN/2013 - 06/AUG/2020	Cloud Height	0
28/MAY/2017 - 15/MAR/2021	Humidity	1
24/JAN/2013 - 22/FEB/2018	Lightning	1
30/AUG/1998 - 22/JUN/2021	Wind Direction	3
06/SEP/1999 - 27/MAY/2017	Wet Bulb Temperature	1
23/FEB/1995 - 23/FEB/1995	Solar Radiation (Long Wave)	0
01/APR/2019 - 15/MAR/2021	Wind Run	0
20/AUG/2010 - 15/MAR/2021	Visibility	5
17/MAR/2005 - 16/SEP/2021	RF Reflectivity	2
30/AUG/1998 - 15/MAR/2021	Pressure	0
07/MAY/2001 - 15/MAR/2021	Evaporation	0
30/AUG/1998 - 15/MAR/2021	Rainfall	3
02/SEP/1993 - 15/FEB/2000	Solar Radiation	0
23/FEB/1995 - 23/FEB/1995	Solar Radiation (Direct)	0
30/AUG/1998 - 22/JUN/2021	Wind Speed	3
30/AUG/1998 - 15/MAR/2021	Air Temperature	1

Station Detail Changes

09/MAY/2006 CLASSIFICATION AWS Funding - Aviation Funded Assets (AVAF)

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Extended Climatological Station Metadata  
All History

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Station Equipment History (continued)

Station Detail Changes(Continued)

12/OCT/2020	CLASSIFICATION AWS Priority 2 - Important (SLP2-AWS)
01/JUL/2011	CLASSIFICATION Australian Climate Observations Reference Network - Surface Air Temperature (ACORN-SAT)
26/JUN/2002	CLASSIFICATION CLIMAT Stations (CLC)
26/JUN/2002	CLASSIFICATION CLIMAT TEMP Stations (CLT)
09/MAY/2006	CLASSIFICATION Category A (TAF A)
26/OCT/2022	CLASSIFICATION Cold Climate Site (COLD)
10/JAN/2011	CLASSIFICATION Critical (ASOSCRIT)
10/AUG/2020	CLASSIFICATION Critical Aviation or Defence (AVCRIT) ENDED 16-10-2020
21/MAR/1991	CLASSIFICATION Fielden (FFD)
01/MAY/1997	CLASSIFICATION GCOS Surface Network (GSN)
01/JUL/2018	CLASSIFICATION HQ EVAPORATION (HQEVAP)
01/JUL/2018	CLASSIFICATION HQ RAINFALL (HQRAIN)
10/JUN/2014	CLASSIFICATION Important Aviation or Defence (AVIMP) ENDED 16-10-2020
21/JAN/2006	CLASSIFICATION Information and Observations (MIO)
01/JUL/1998	CLASSIFICATION Local Forecasting, Information and Observations (WSO) ENDED 20-01-2006
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/JUL/1998	CLASSIFICATION Rawinsonde Stations (RS)
01/SEP/1992	CLASSIFICATION Reference Climate Stations (RCS) ENDED 30-06-2011
14/FEB/1997	CLASSIFICATION Regional Basic Synoptic Network (RBSN)
27/AUG/2019	OBJECT Document/ACOM 12 monthly 2019
26/NOV/2020	OBJECT Document/ACOM 12 monthly 2020
23/JUN/2021	OBJECT Document/ACOM 12monthly 2021
04/APR/2013	OBJECT Document/ASBESTOS REGISTER
15/APR/2016	OBJECT Document/Alice Apr 16
28/APR/2016	OBJECT Document/Alice Apr 16 Radar log
15/JAN/2016	OBJECT Document/Alice Comms Data Jan16
15/APR/2016	OBJECT Document/Alice Jan16
15/APR/2016	OBJECT Document/Alice Jan16
28/APR/2016	OBJECT Document/Alice Jan16
28/APR/2016	OBJECT Document/Alice Jan16 Radar Log
05/MAY/2016	OBJECT Document/Alice Mag Change Log
24/JAN/2017	OBJECT Document/Alice RTS 20170120
27/JUL/2016	OBJECT Document/Alice RTS July16
14/DEC/2016	OBJECT Document/Alice Radar Data Dec 16
23/JUN/2017	OBJECT Document/Alice Springs Generator control Box
24/AUG/2017	OBJECT Document/Annual inspection of hydrogen facilities 2017
19/SEP/2019	OBJECT Document/CEILOMETER STATUS
18/JUN/2013	OBJECT Document/CEILOMETER STATUS
17/JUL/2015	OBJECT Document/CEILOMETER STATUS
01/MAY/2016	OBJECT Document/CEILOMETER STATUS

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Station Equipment History (continued)

Station Detail Changes(Continued)

28/MAY/2017 OBJECT Document/CEILOMETER STATUS  
16/JUN/2011 OBJECT Document/CEILOMETER STATUS  
17/JUN/2014 OBJECT Document/CEILOMETER STATUS  
05/FEB/2018 OBJECT Document/CEILOMETER STATUS  
06/AUG/2020 OBJECT Document/CEILOMETER STATUS  
29/AUG/2018 OBJECT Document/Cloud base search light - decommission CoC  
21/FEB/2018 OBJECT Document/EEHA 2018 visual checks  
09/MAR/2016 OBJECT Document/GENSET MAINTENANCE RECORD  
03/FEB/2014 OBJECT Document/GENSET MAINTENANCE RECORD  
30/APR/2014 OBJECT Document/GENSET MAINTENANCE RECORD  
25/AUG/2017 OBJECT Document/RADAR MAINTENANCE CHECKSHEET  
03/MAY/2016 OBJECT Document/RADAR MAINTENANCE CHECKSHEET  
19/JAN/2016 OBJECT Document/RADAR MAINTENANCE CHECKSHEET  
29/JAN/2016 OBJECT Document/RBL MAINTENANCE CHECKSHEET  
25/AUG/2017 OBJECT Document/RBL MAINTENANCE CHECKSHEET  
21/FEB/2018 OBJECT Document/RBL MAINTENANCE CHECKSHEET  
29/AUG/2018 OBJECT Document/RBL MAINTENANCE CHECKSHEET  
27/AUG/2019 OBJECT Document/RBL MAINTENANCE CHECKSHEET  
26/NOV/2020 OBJECT Document/RBL MAINTENANCE CHECKSHEET  
23/JUN/2021 OBJECT Document/RBL MAINTENANCE CHECKSHEET  
05/DEC/2018 OBJECT Document/RSS VALIDATION RECORD  
10/JUN/2016 OBJECT Document/Radar Interference Jun16  
15/DEC/2016 OBJECT Document/Radar Log dec 16  
21/SEP/2019 OBJECT Document/SKYLINE DATA  
08/MAY/2007 OBJECT Document/SKYLINE DATA  
18/JUN/2013 OBJECT Document/SKYLINE DATA  
27/MAY/2002 OBJECT Document/SKYLINE DATA  
01/MAY/2016 OBJECT Document/SKYLINE DATA - ANEMOMETER  
13/SEP/2011 OBJECT Document/SKYLINE DATA - ANEMOMETER  
15/MAR/2021 OBJECT Document/SKYLINE DATA - ANEMOMETER  
09/MAY/2006 OBJECT Document/SKYLINE DATA - ANEMOMETER  
15/NOV/2001 OBJECT Document/SKYLINE DATA - RADAR  
19/SEP/2019 OBJECT Document/VISIBILITY METER STATUS  
18/JUN/2013 OBJECT Document/VISIBILITY METER STATUS  
17/JUL/2015 OBJECT Document/VISIBILITY METER STATUS  
01/MAY/2016 OBJECT Document/VISIBILITY METER STATUS  
28/MAY/2017 OBJECT Document/VISIBILITY METER STATUS  
16/JUN/2011 OBJECT Document/VISIBILITY METER STATUS  
05/AUG/2018 OBJECT Document/VISIBILITY METER STATUS  
05/FEB/2018 OBJECT Document/VISIBILITY METER STATUS  
06/AUG/2020 OBJECT Document/VISIBILITY METER STATUS  
25/AUG/2017 OBJECT Document/acom maintenance checksheet  
31/MAR/2018 OBJECT Document/alice ceilo C31 commissioning

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<b>Current Status:</b>							Still open
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Station Equipment History (continued)

Station Detail Changes(Continued)

21/AUG/2018 OBJECT Document/alice vis FS11 commissioning  
01/JAN/1940 STATION - (nondb seeding) Opened  
01/JAN/1940 STATION - (nondb seeding) aero\_ht Changed to 545.3  
01/JAN/1940 STATION - (nondb seeding) bar\_ht Changed to 547  
01/JAN/1940 STATION - (nondb seeding) bar\_ht\_deriv Changed to SURVEY  
01/JAN/1940 STATION - (nondb seeding) name Changed to ALICE SPRINGS AIRPORT  
01/JAN/1940 STATION - (nondb seeding) stn\_ht Changed to 546  
01/JAN/1940 STATION - (nondb seeding) stn\_ht\_deriv Changed to SURVEY  
01/JAN/1940 STATION - (nondb seeding) wmo\_num Changed to 94326  
01/JAN/1940 STATION aviation\_id Changed to YBAS  
01/JAN/1940 STATION latitude Changed to -23.7951  
01/JAN/1940 STATION latlon\_deriv Changed to GPS  
01/JAN/1940 STATION latlon\_error Changed to 4  
01/JAN/1940 STATION longitude Changed to 133.8890  
30/AUG/1998 STATION lu\_0\_100m Changed to Airport  
30/AUG/1998 STATION lu\_100m\_1km Changed to Airport  
30/AUG/1998 STATION lu\_1km\_10km Changed to City area, buildings < 10 metres (3 storey)  
30/AUG/1998 STATION soil\_type Changed to red soil  
30/AUG/1998 STATION surface\_type Changed to partly covered by grass  
06/SEP/1999 STATION surface\_type Changed to partly covered by grass

System Changes

06/JUL/2007 SYSTEM Flood Warning Commenced  
01/NOV/1941 SYSTEM Infrastructure Commenced  
02/SEP/1993 SYSTEM Radiation Commenced  
19/SEP/2019 SYSTEM Rainfall Intensity Ceased  
01/JUN/1951 SYSTEM Rainfall Intensity Commenced  
01/JAN/2007 SYSTEM Reference Standards Commenced  
01/NOV/1941 SYSTEM Surface Observations Commenced  
01/DEC/1944 SYSTEM Upper Air Commenced  
07/FEB/2013 SYSTEM WeatherWatch Ceased  
09/SEP/2011 SYSTEM WeatherWatch Commenced  
01/AUG/1953 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

**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.**

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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

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