



Basic Climatological Station Metadata  
Current status

Metadata compiled: 28 JUL 2025

Station: MCARTHUR RIVER MINE AIRPORT

Bureau of Meteorology station number: 014704

Bureau of Meteorology district name: Roper-Mcarthur

State: NT

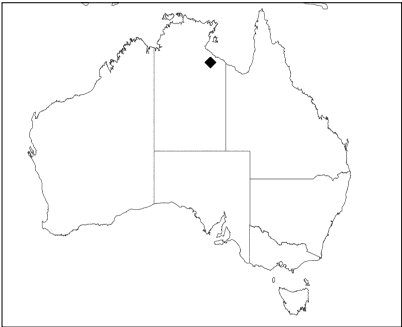
World Meteorological Organization number: 94239

Identification: YMHU

Network Classification:

Station purpose: Telegraphic Rain

Automatic Weather Station: Almos



Current Station Location				
Latitude	Decimal	-16.4423	Hour Min Sec	16°26'32"S
Longitude	Decimal	136.0760	Hour Min Sec	136°4'34"E
Station Height	40 m	Barometer Height	41 m	
Method of station geographic positioning			GPS	

Year opened: 1968

Status: Open

Station summary

No summary for this site has been written as yet.

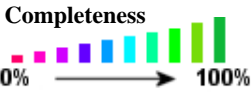


Basic Climatological Station Metadata  
Current status

<b>Station:</b> MCARTHUR RIVER MINE AIRPORT			<b>Location:</b> MCARTHUR RIVER MINE AIRPORT			<b>State:</b> NT	
<b>Bureau No.:</b> 014704		<b>WMO No.:</b> 94239		<b>Aviation ID:</b> YMHU	<b>Opened:</b> 14 Mar 1968	<b>Current Status:</b> Still open	
<b>Latitude:</b> -16.4423		<b>Longitude:</b> 136.0760		<b>Elevation:</b> 40 m	<b>Barometer Elev:</b> 41 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	JUL 1975	MAY 2014	57.8	2091	128
EVAPORIMETER - MAXIMUM WATER TEMPERATURE	JUL 1976	MAY 2007	57.0	1503	110
GROUND MINIMUM TEMPERATURE	FEB 2002	APR 2005	73.8	247	2
MAXIMUM AIR TEMPERATURE	JAN 1969	JUN 2025	76.8	1373	112
MAXIMUM WIND GUST SPEED	FEB 1969	JUN 2025	64.2	1466	194
RIVER HEIGHT	JAN 1969	MAR 1981	27.8	370	94
SUNSHINE HOURS	JAN 1969	FEB 1995	63.6	1227	74
WIND RUN ABOVE 10 FEET	JUL 1975	JUN 2025	46.6	618	300
WIND RUN BELOW 10 FEET	JAN 1969	MAY 2014	55.0	2495	163
RAINFALL	JAN 1968	JUL 2025	91	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	JAN 1969	JUN 2025	75.3	9.7	1080	116
DEW POINT	JAN 1969	JUN 2025	71.9	10.0	1131	141
MEAN SEA LEVEL PRESSURE	JAN 1969	JUN 2025	74.8	9.7	1113	118
SOIL TEMPERATURE - 10cm	FEB 2002	DEC 2008	56.1	1.5	635	13
TOTAL CLOUD AMOUNT	JAN 1969	JUN 2025	56.5	2.7	3898	133
WIND SPEED	JAN 1969	JUN 2025	75.1	9.7	1087	116

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## RAINFALL INTENSITY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	SINGLE DAYS MISSED	FULL MONTHS MISSED
RAINFALL INTENSITY	JAN 1984	AUG 2017	46.0	639	197

## ONE-MINUTE DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	NOV 2010	JUL 2025	98.9	1424.4	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	AUG 2003	JUL 2025	88.3	42.4	N/A	0

**THERE ARE NO UPPER-AIR EDT DATA HOLDINGS**

**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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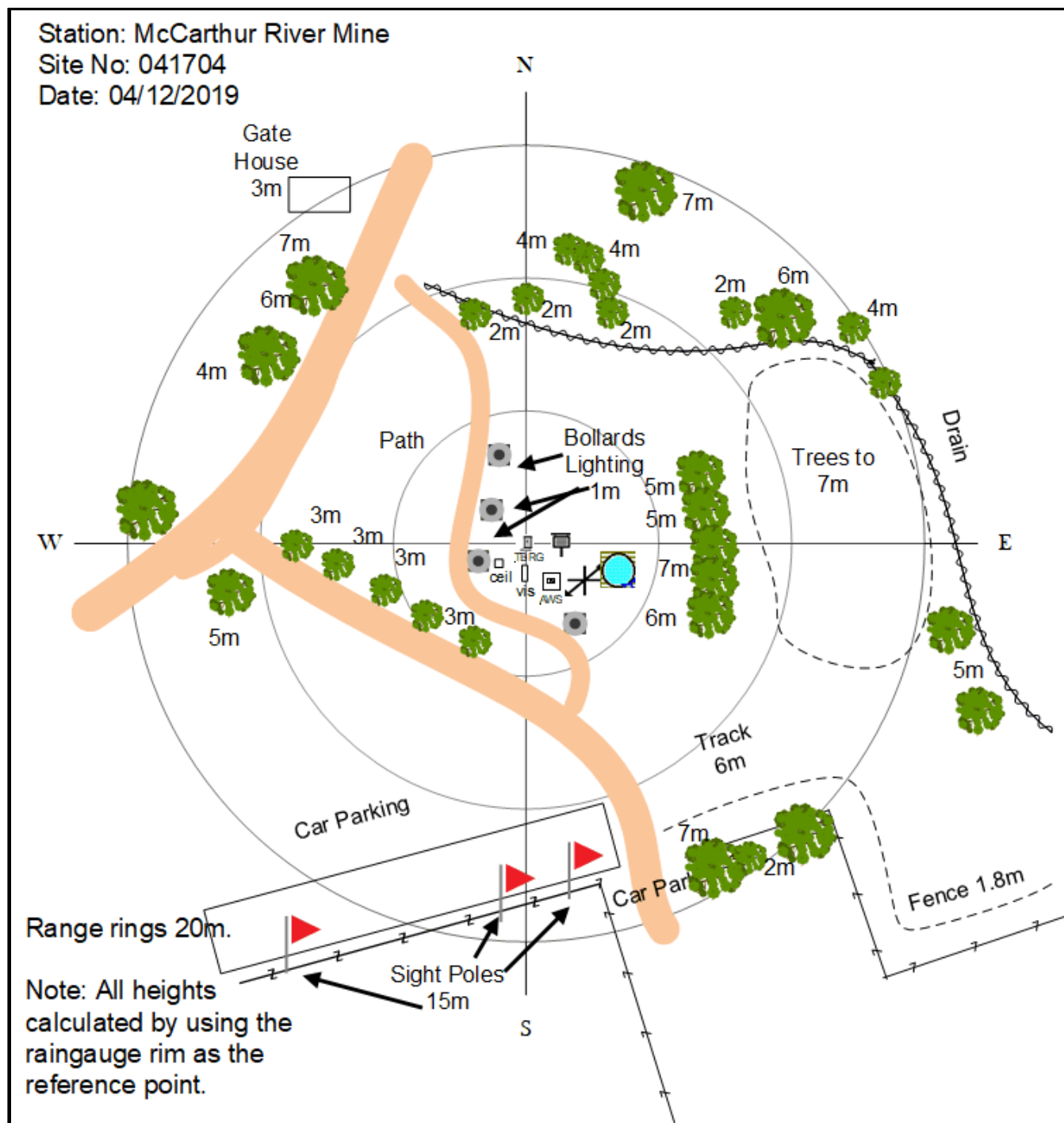
## Extended Climatological Station Metadata

All History

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### Instrument Location and Surrounding Features

04/12/2019(most recent)



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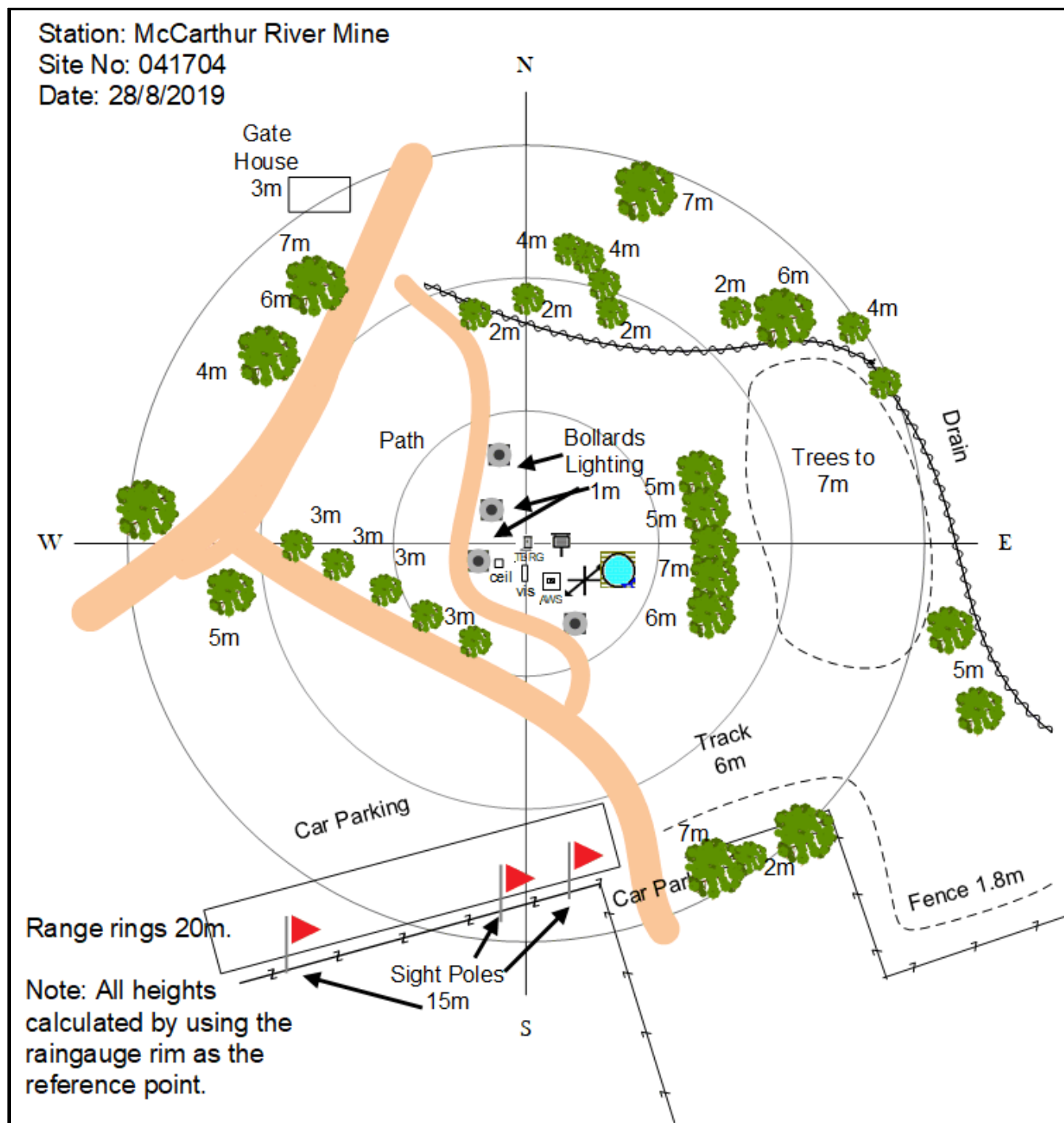
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### Instrument Location and Surrounding Features

28/08/2019



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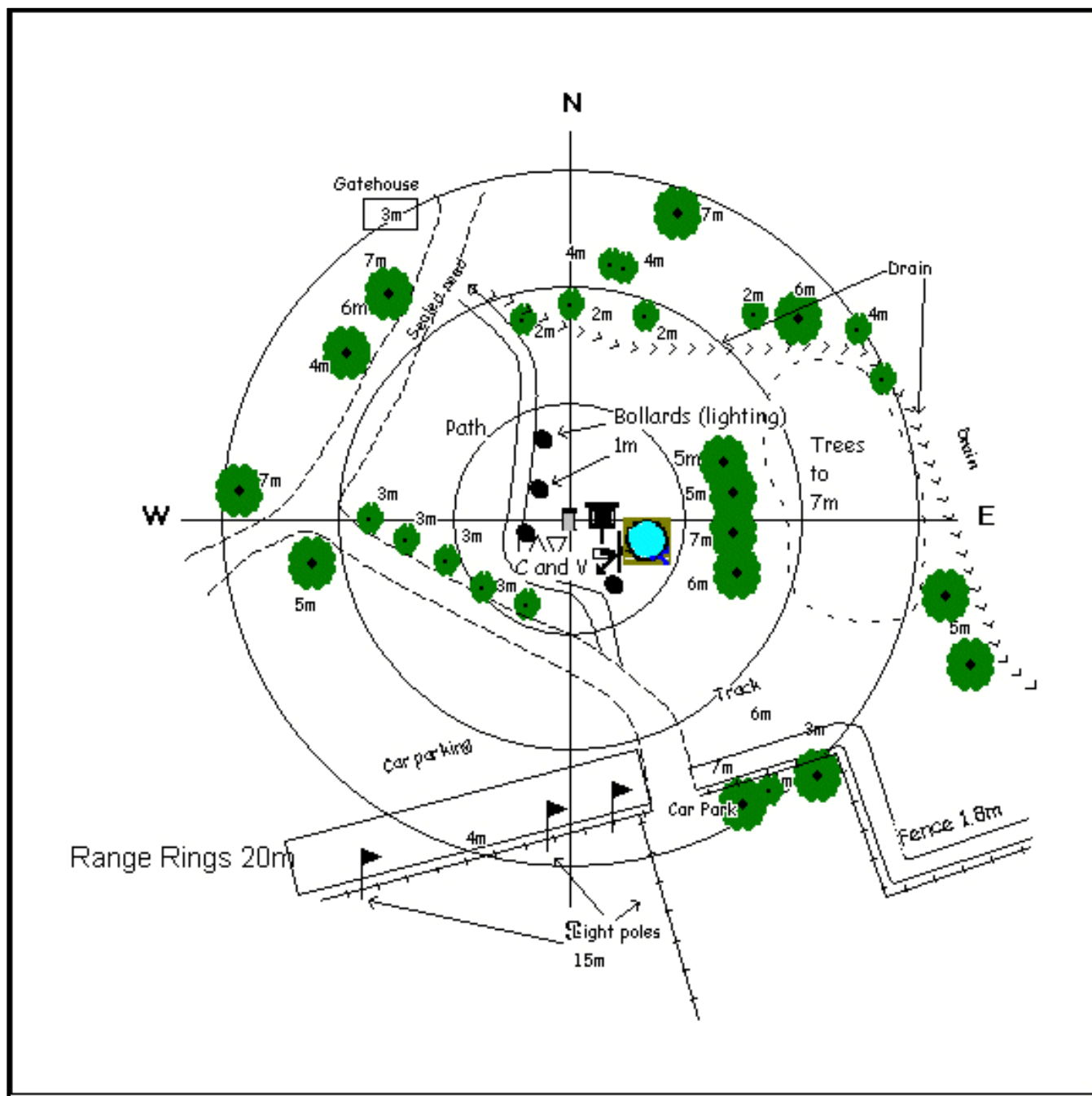
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All History

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### Instrument Location and Surrounding Features

12/09/2018



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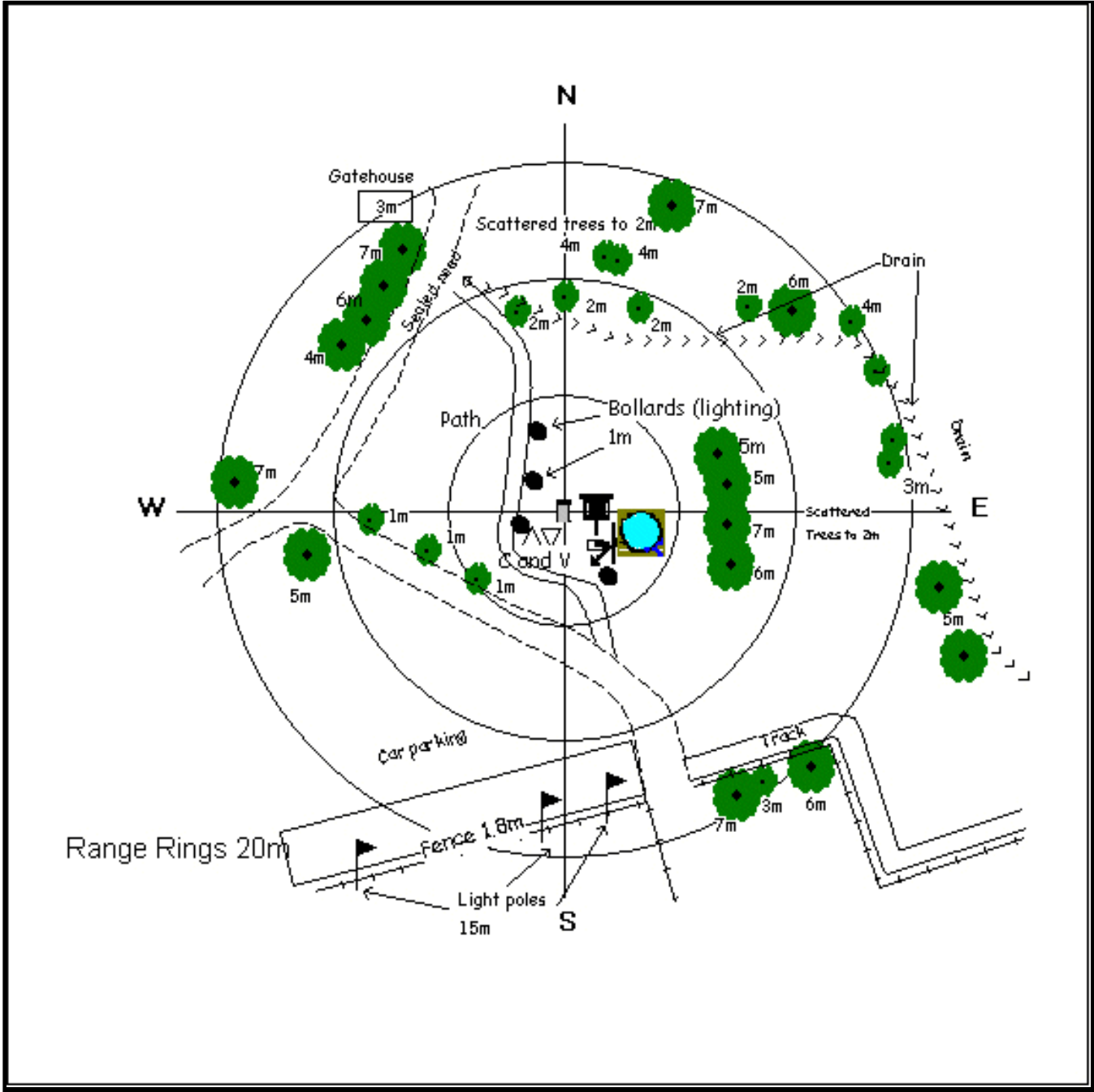




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All History

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Instrument Location and Surrounding Features  
23/08/2017



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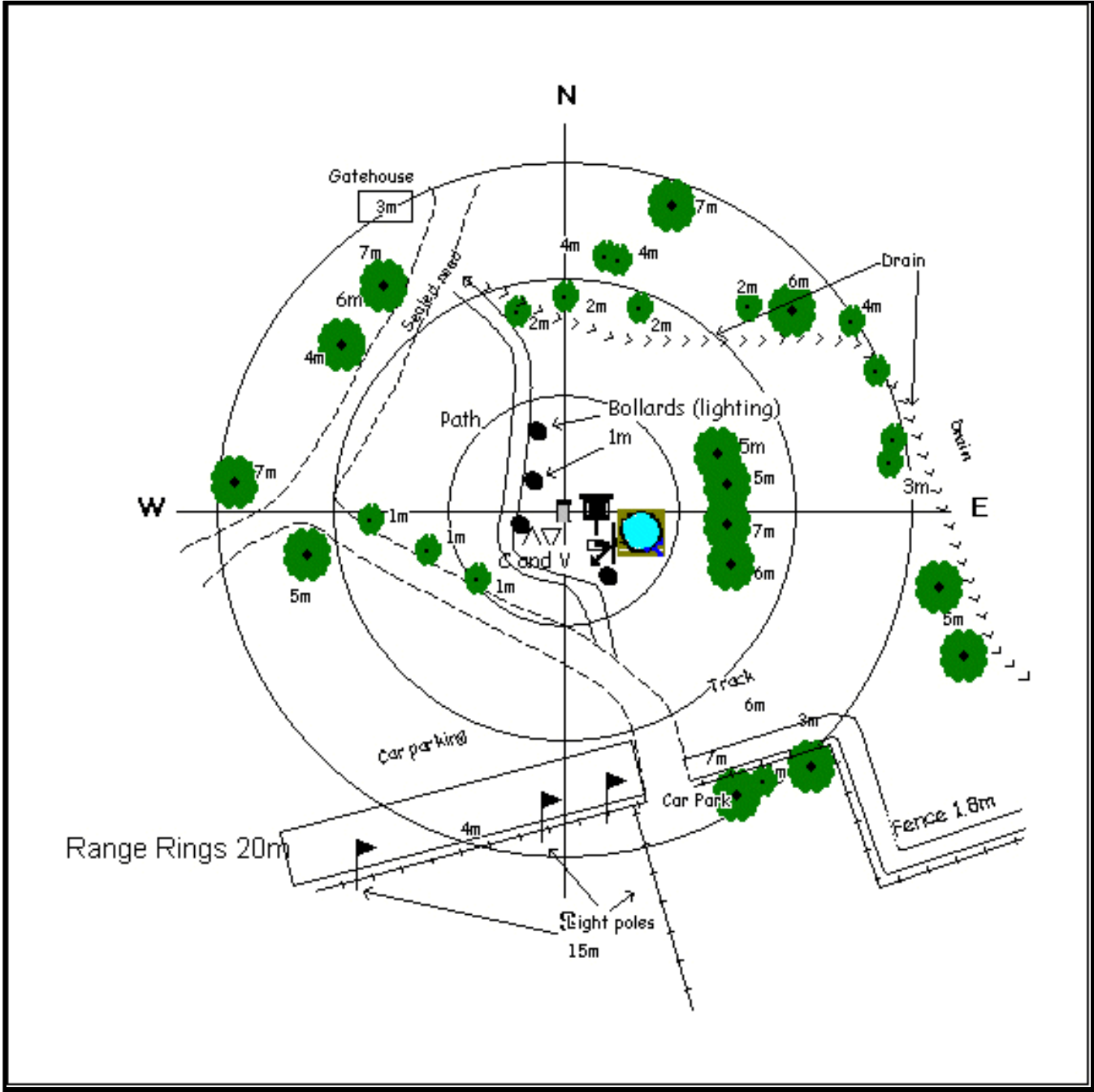




Extended Climatological Station Metadata  
All History

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Instrument Location and Surrounding Features  
17/08/2016



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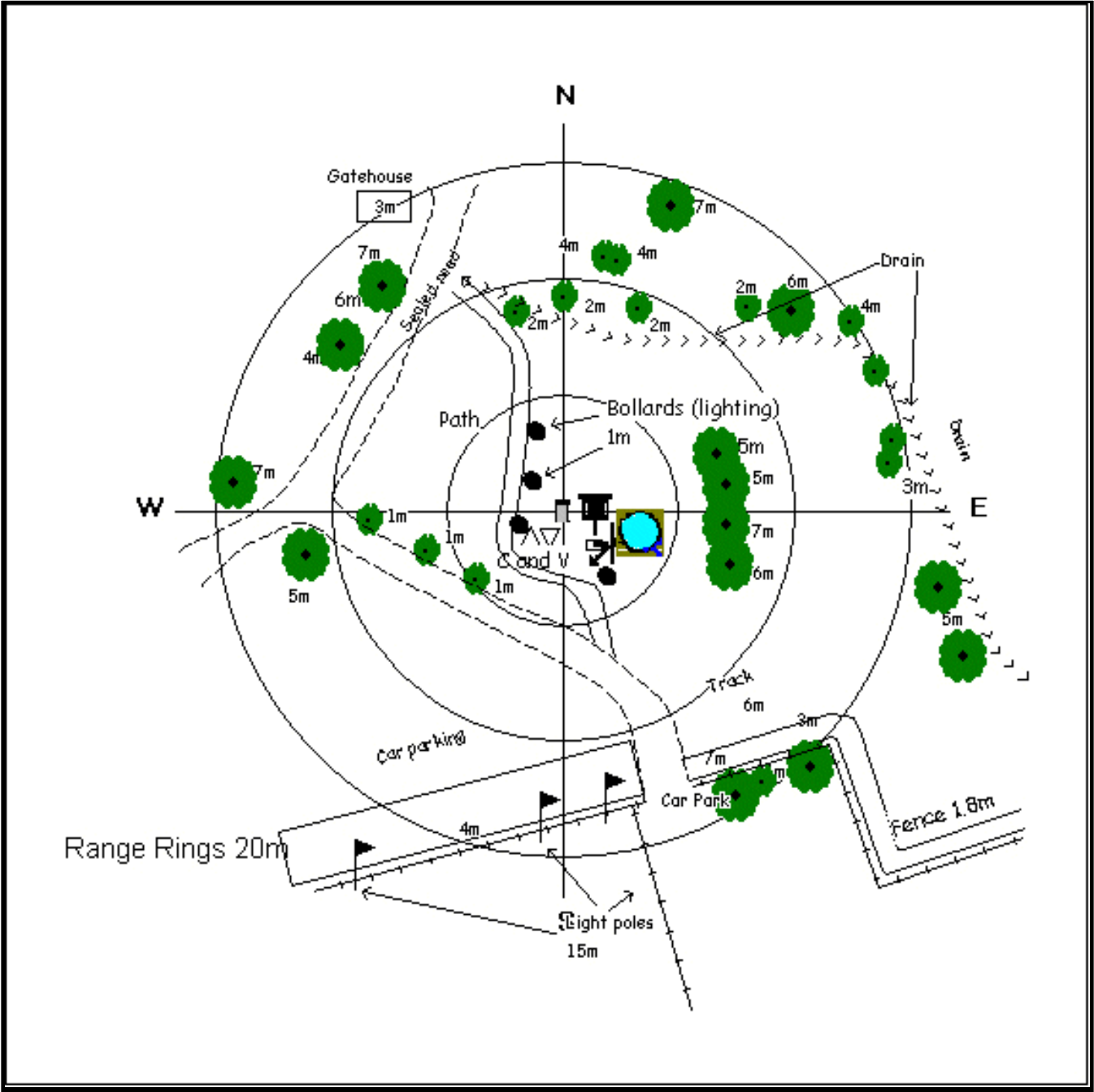
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All History

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Instrument Location and Surrounding Features  
19/08/2015



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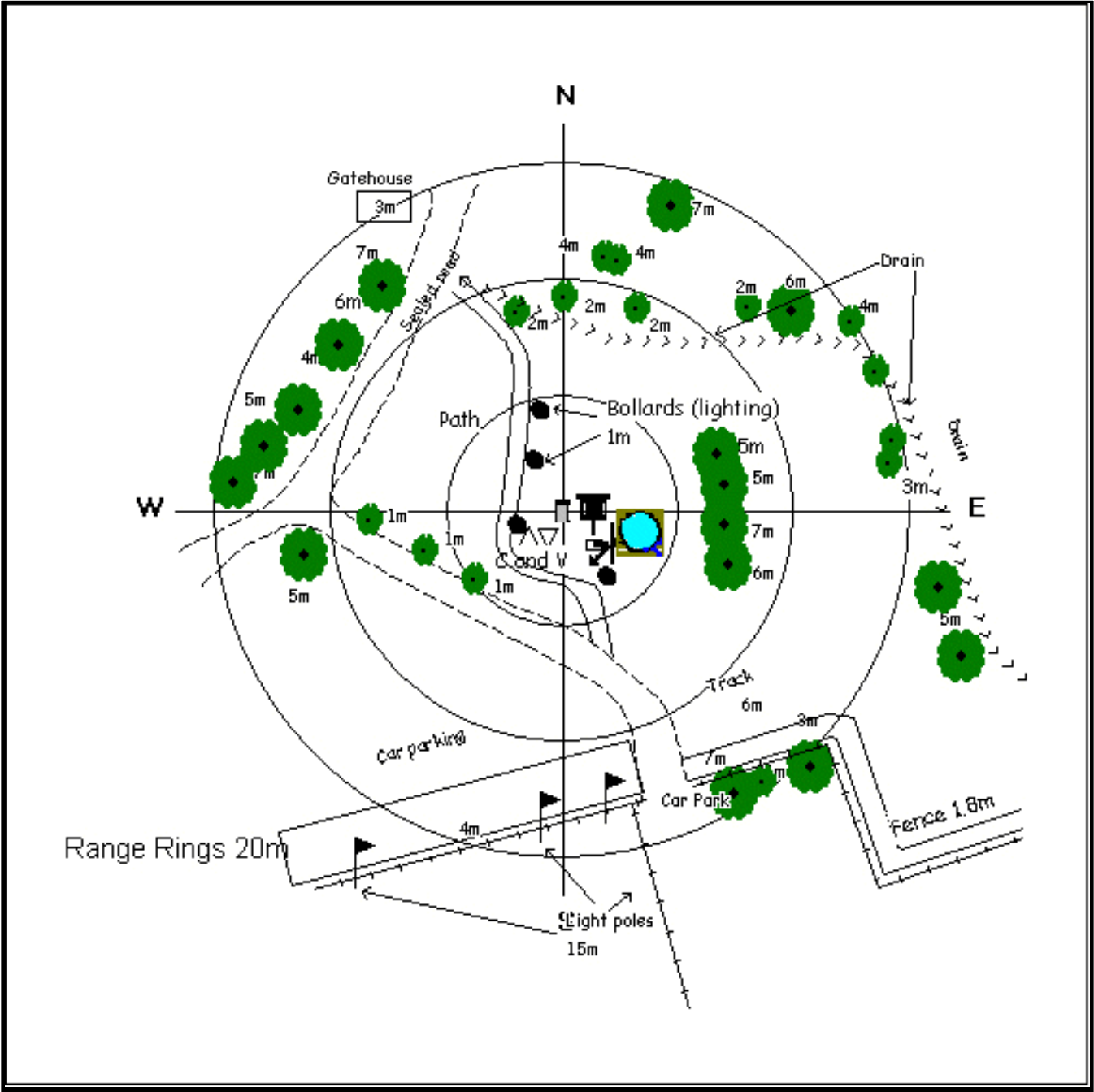
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Instrument Location and Surrounding Features  
12/11/2014



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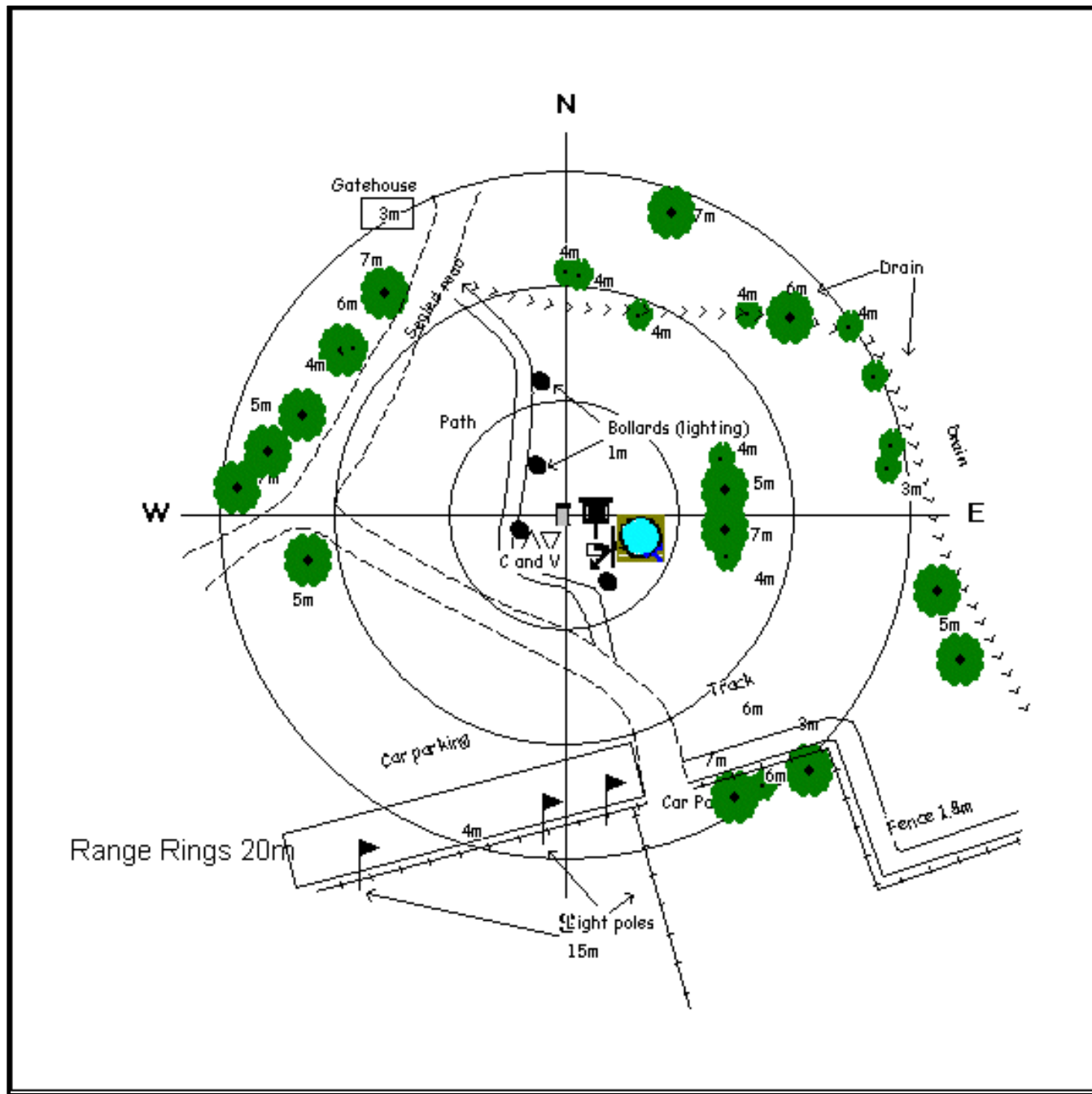
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**14/05/2014**



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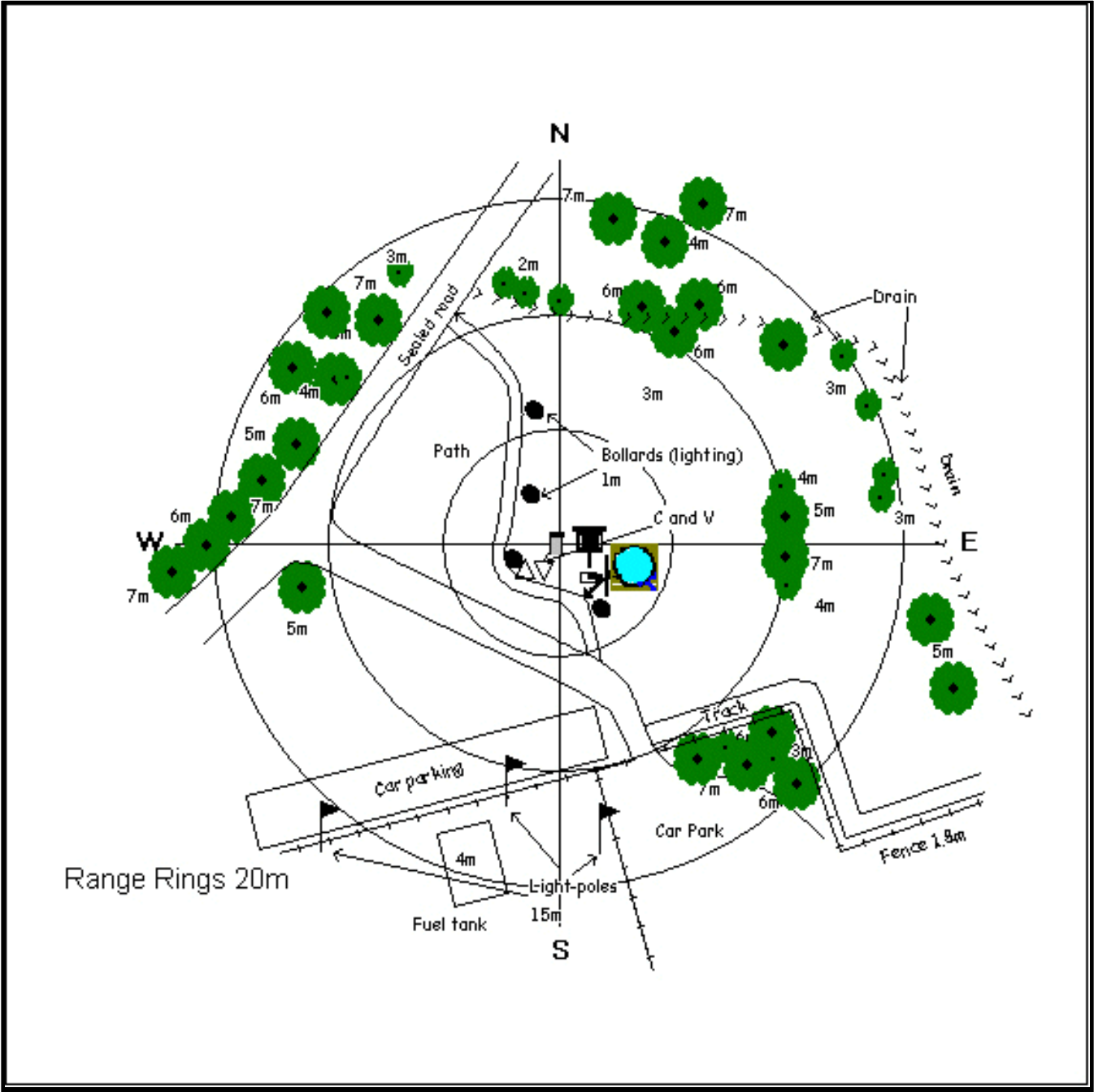
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Instrument Location and Surrounding Features  
30/04/2013



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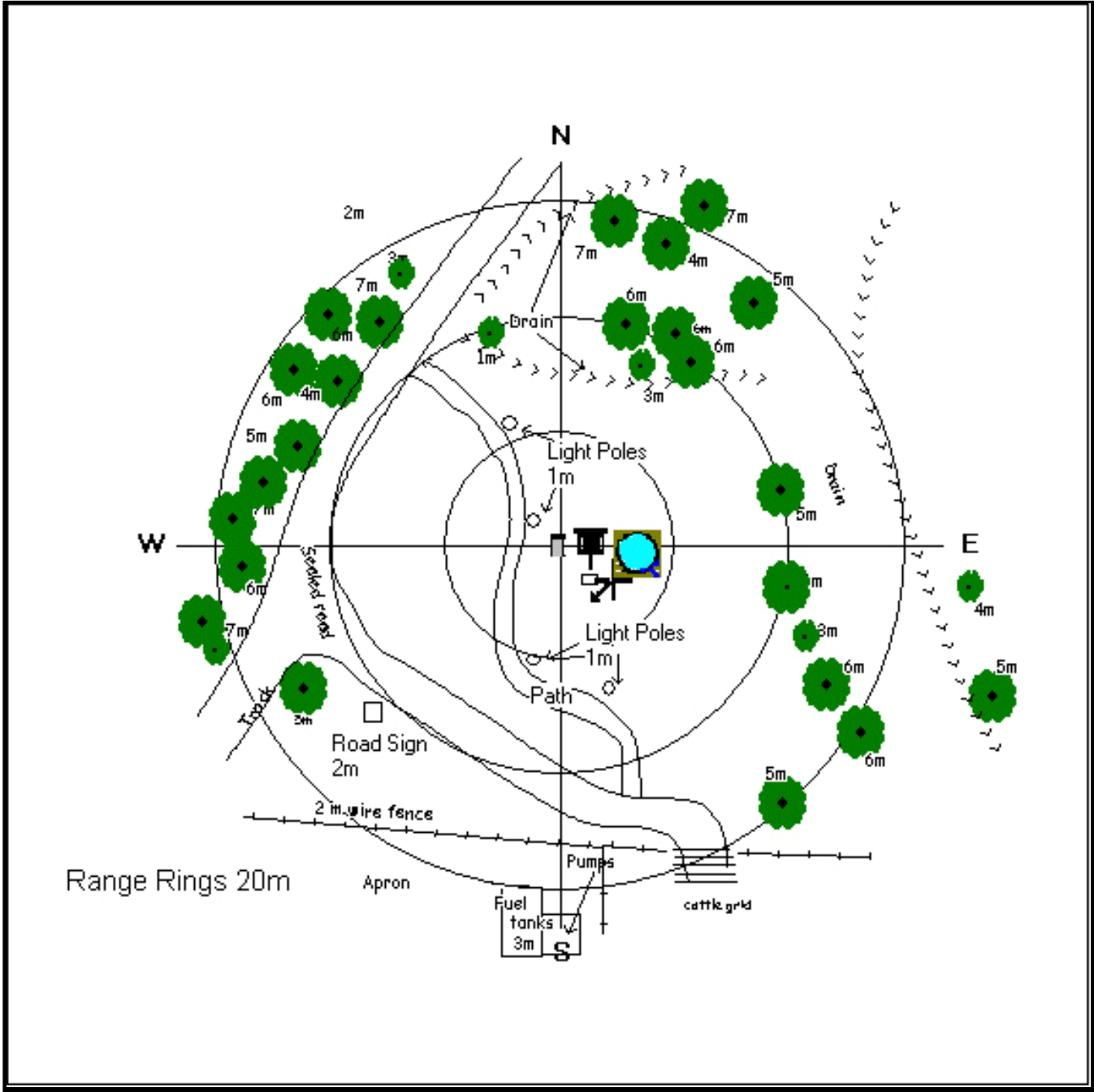
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Instrument Location and Surrounding Features  
25/05/2012



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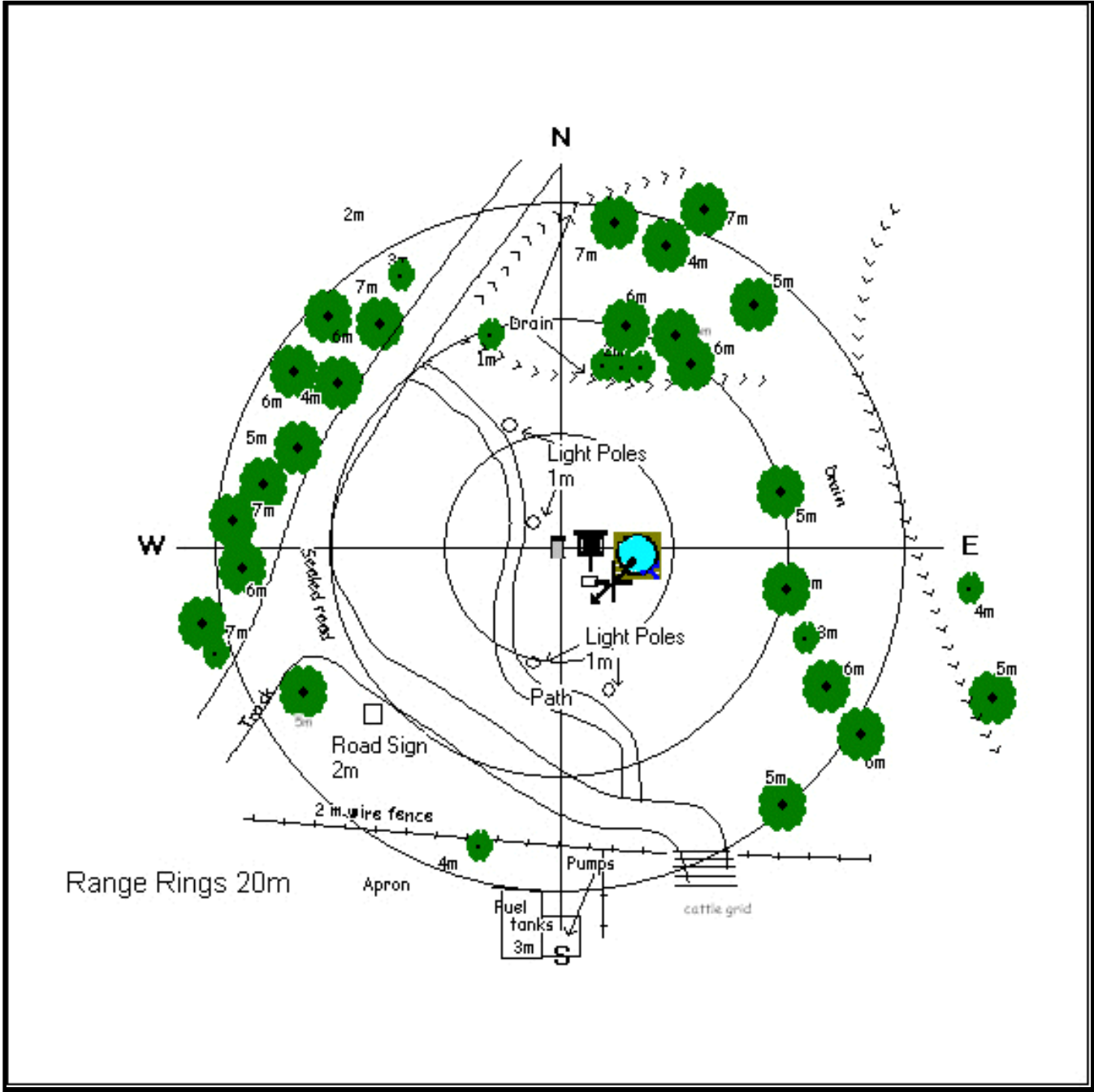




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Instrument Location and Surrounding Features  
19/07/2010



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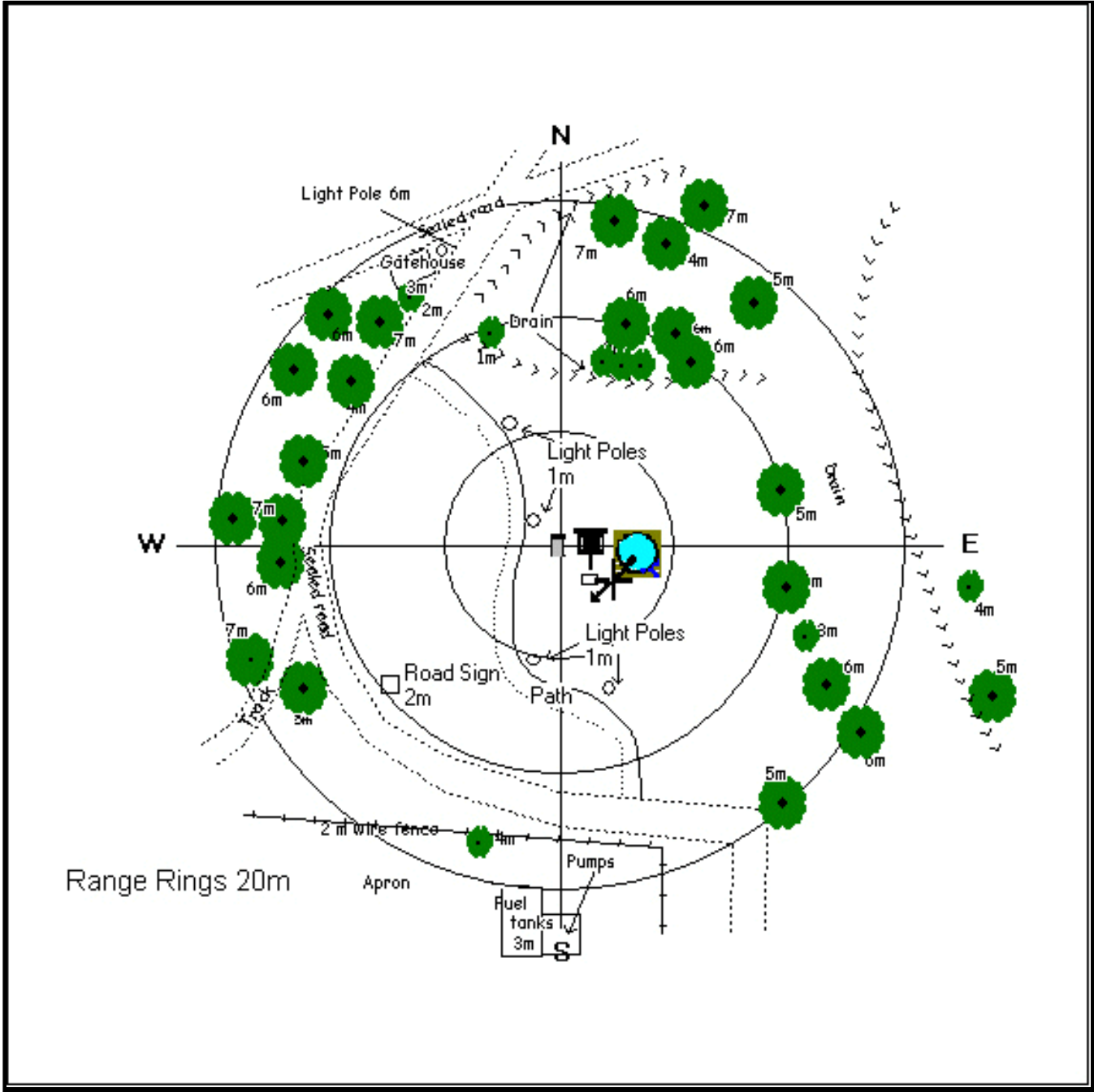




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Instrument Location and Surrounding Features  
16/07/2009



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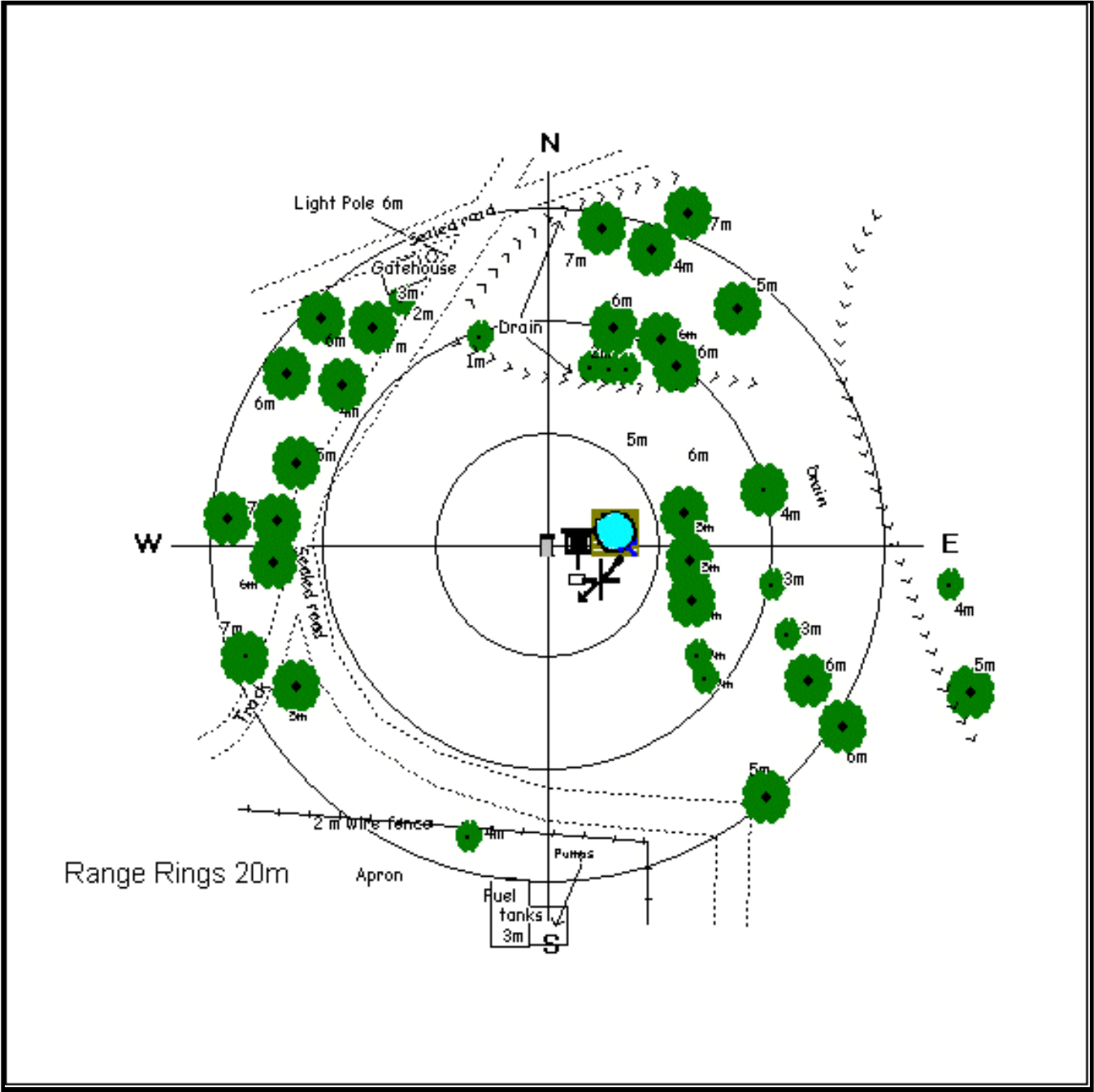
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
16/07/2008



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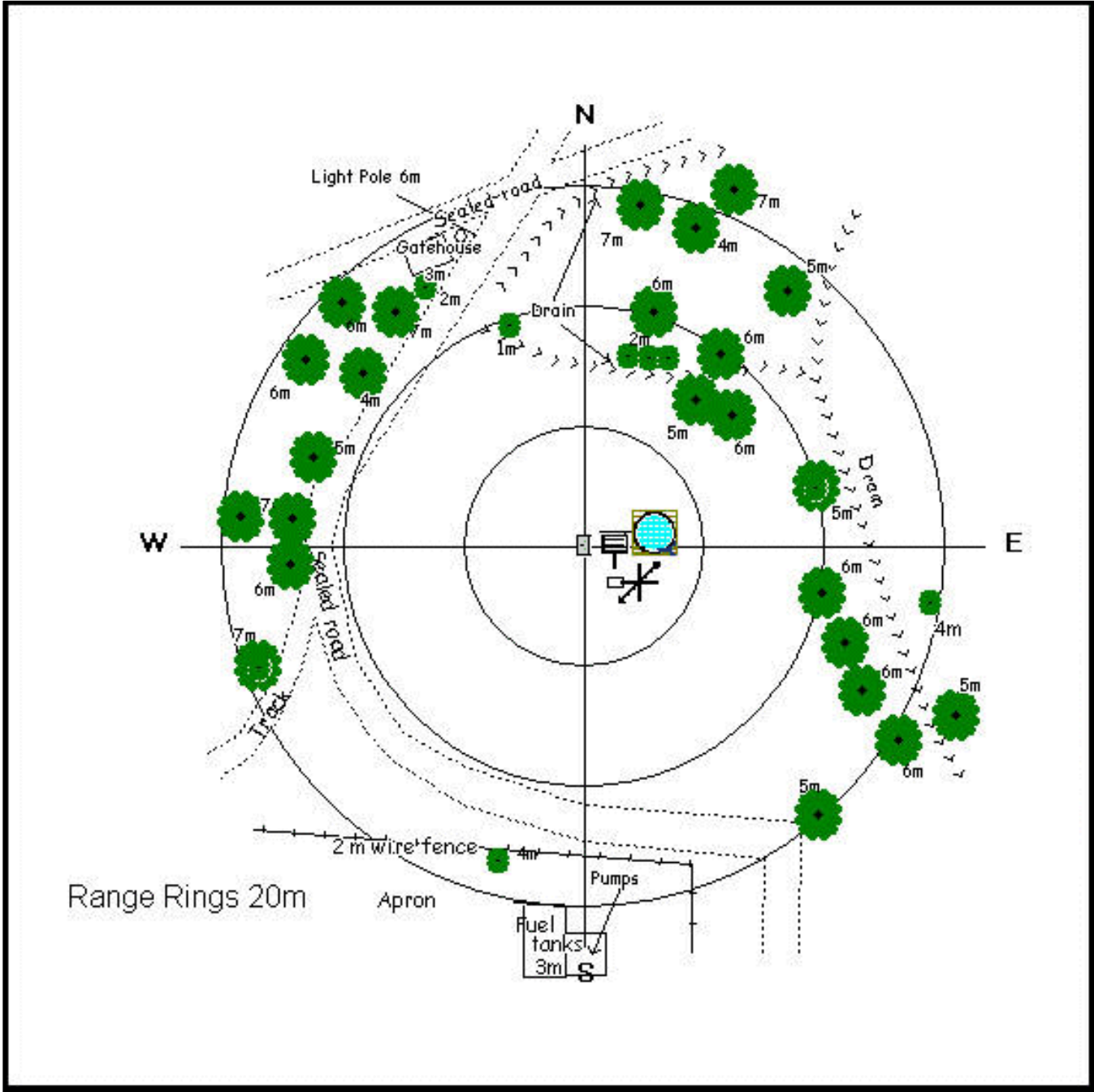
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Extended Climatological Station Metadata  
All History

<b>Station:</b> MCARTHUR RIVER MINE AIRPORT			<b>Location:</b> MCARTHUR RIVER MINE AIRPORT			<b>State:</b> NT	
<b>Bureau No.:</b> 014704		<b>WMO No.:</b> 94239		<b>Aviation ID:</b> YMHU	<b>Opened:</b> 14 Mar 1968	<b>Current Status:</b> Still open	
<b>Latitude:</b> -16.4423		<b>Longitude:</b> 136.0760		<b>Elevation:</b> 40 m	<b>Barometer Elev:</b> 41 m	<b>Metadata compiled:</b> 28 JUL 2025	

Instrument Location and Surrounding Features  
30/05/2007



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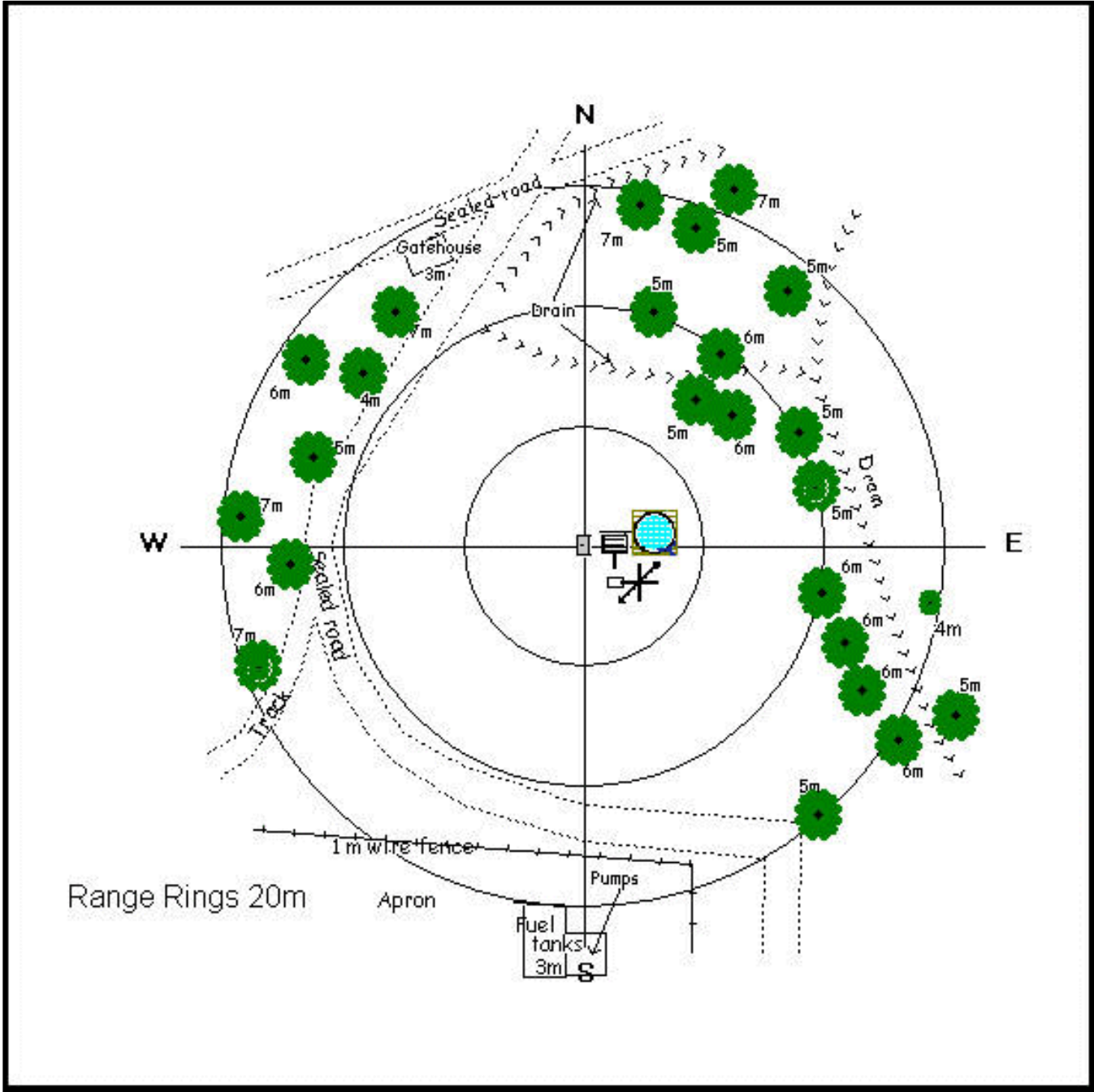
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Extended Climatological Station Metadata  
All History

<b>Station:</b> MCARTHUR RIVER MINE AIRPORT			<b>Location:</b> MCARTHUR RIVER MINE AIRPORT			<b>State:</b> NT	
<b>Bureau No.:</b> 014704		<b>WMO No.:</b> 94239		<b>Aviation ID:</b> YMHU	<b>Opened:</b> 14 Mar 1968	<b>Current Status:</b> Still open	
<b>Latitude:</b> -16.4423		<b>Longitude:</b> 136.0760		<b>Elevation:</b> 40 m	<b>Barometer Elev:</b> 41 m	<b>Metadata compiled:</b> 28 JUL 2025	

Instrument Location and Surrounding Features  
14/06/2006



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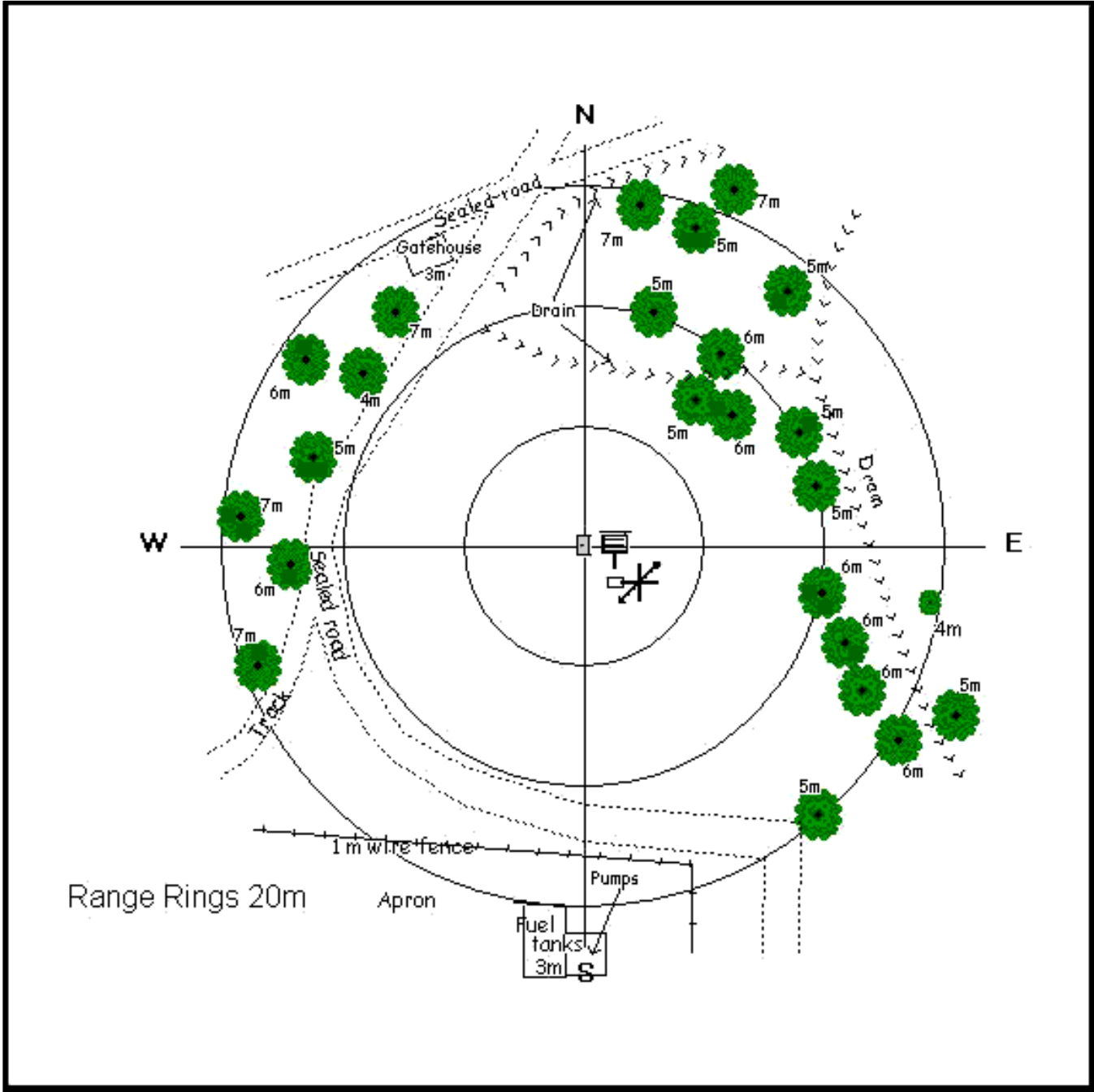
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Extended Climatological Station Metadata  
All History

<b>Station:</b> MCARTHUR RIVER MINE AIRPORT			<b>Location:</b> MCARTHUR RIVER MINE AIRPORT			<b>State:</b> NT	
<b>Bureau No.:</b> 014704		<b>WMO No.:</b> 94239		<b>Aviation ID:</b> YMHU	<b>Opened:</b> 14 Mar 1968	<b>Current Status:</b> Still open	
<b>Latitude:</b> -16.4423		<b>Longitude:</b> 136.0760		<b>Elevation:</b> 40 m	<b>Barometer Elev:</b> 41 m	<b>Metadata compiled:</b> 28 JUL 2025	

Instrument Location and Surrounding Features  
01/07/2005



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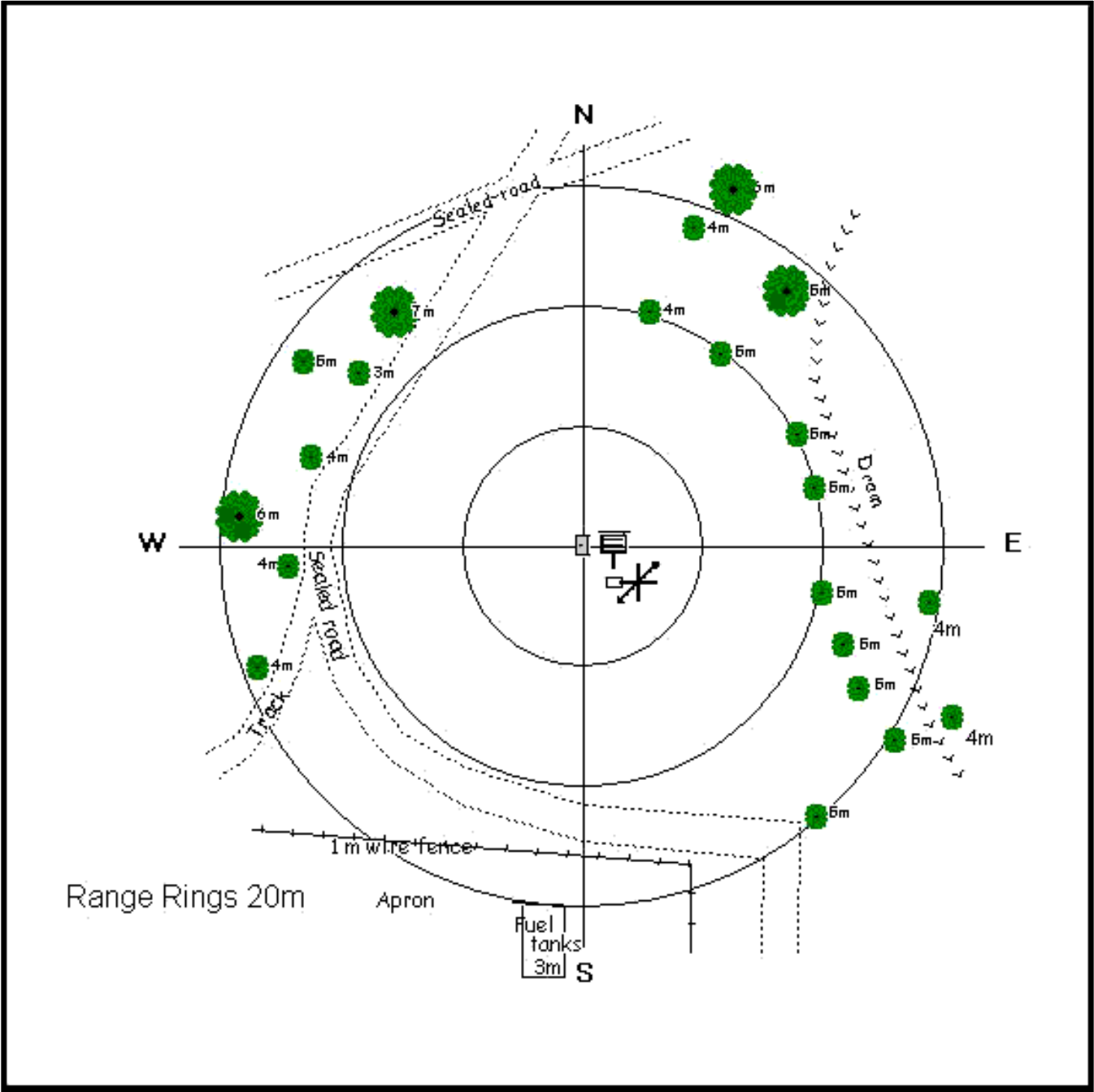
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
20/07/2004



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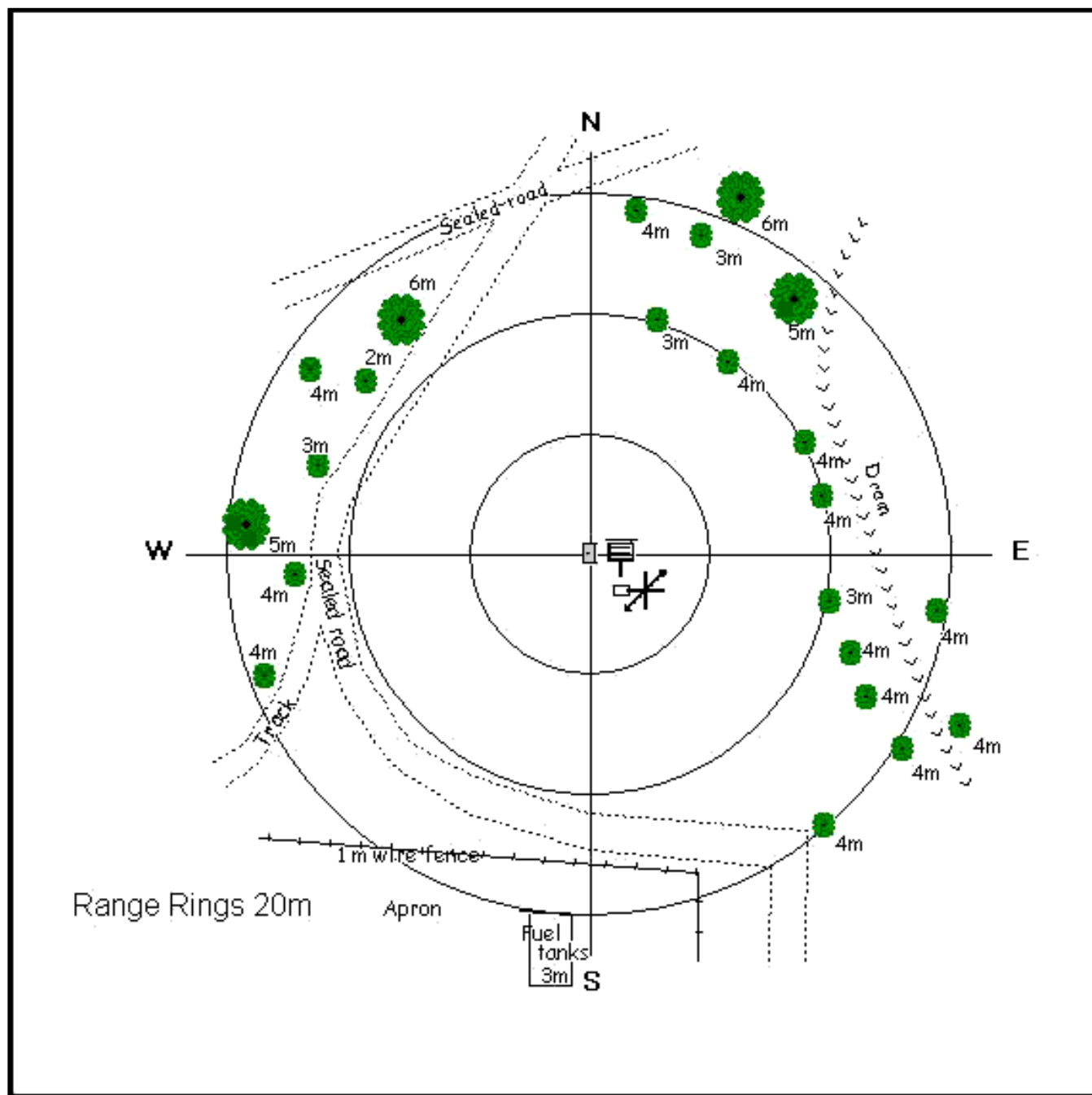
## Extended Climatological Station Metadata

All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT			<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT			<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968	<b>Current Status:</b>	Still open
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m	<b>Metadata compiled:</b>	28 JUL 2025

### Instrument Location and Surrounding Features

15/08/2003



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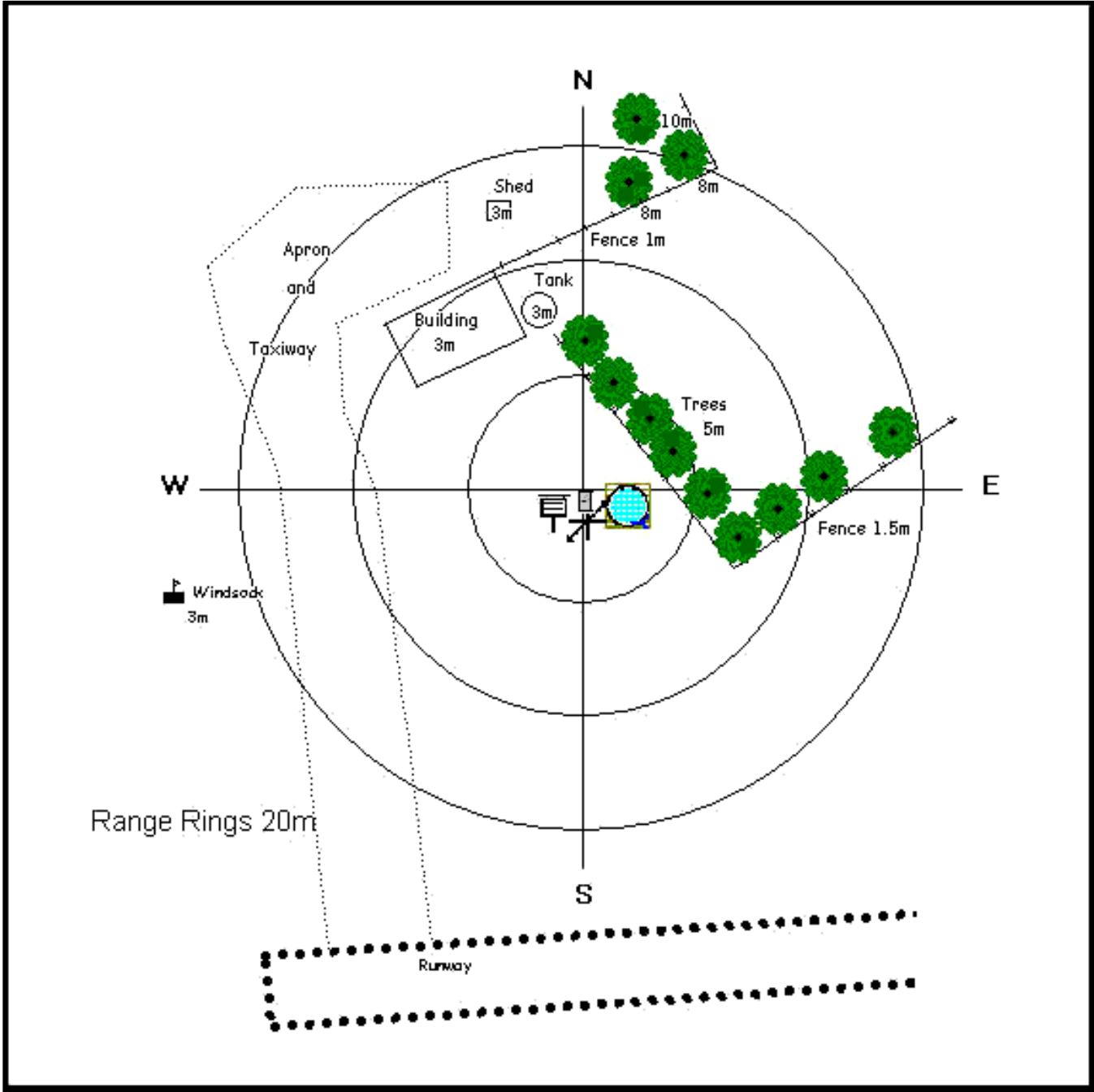




Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
26/07/2002



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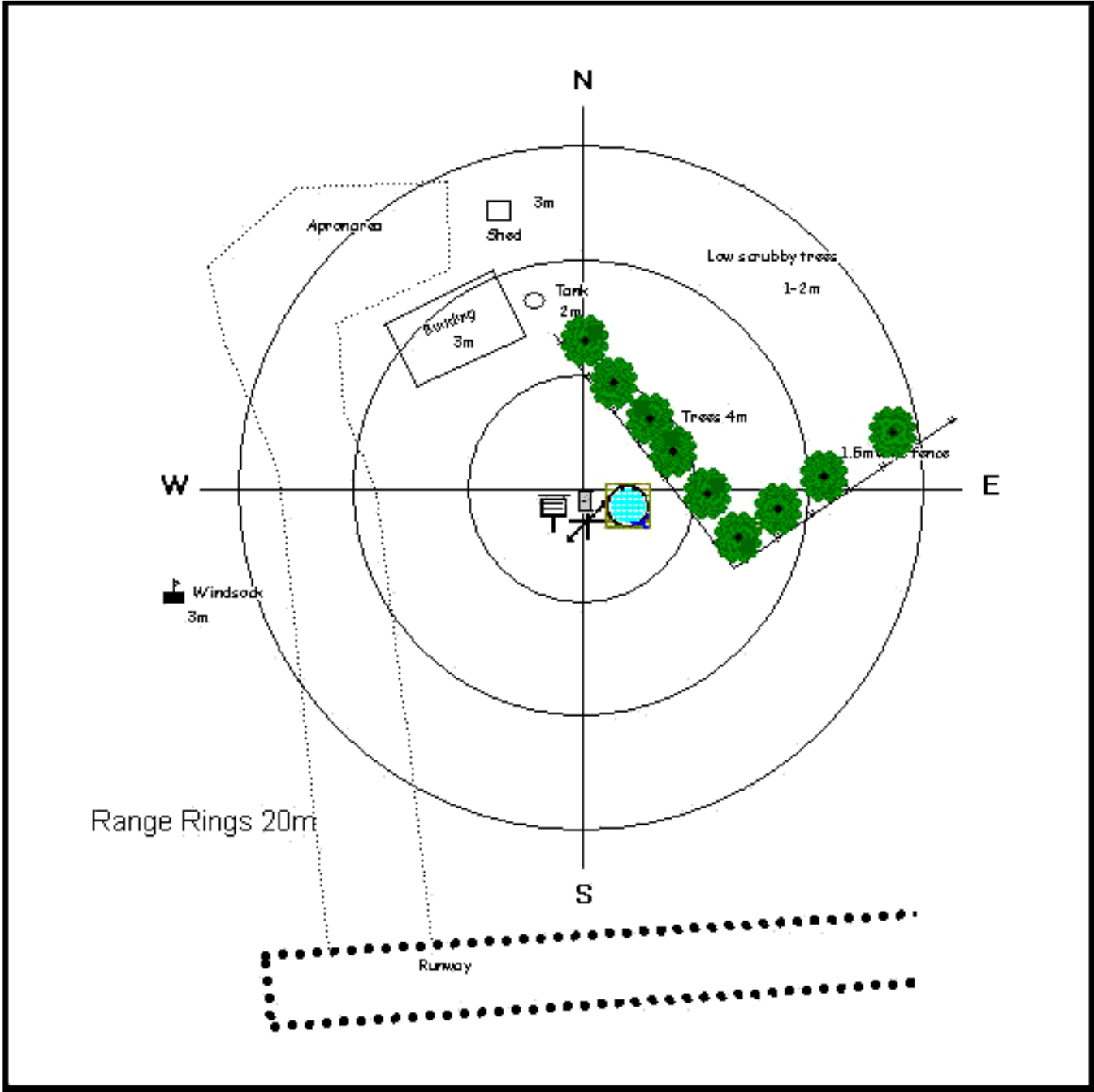
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
12/02/2002



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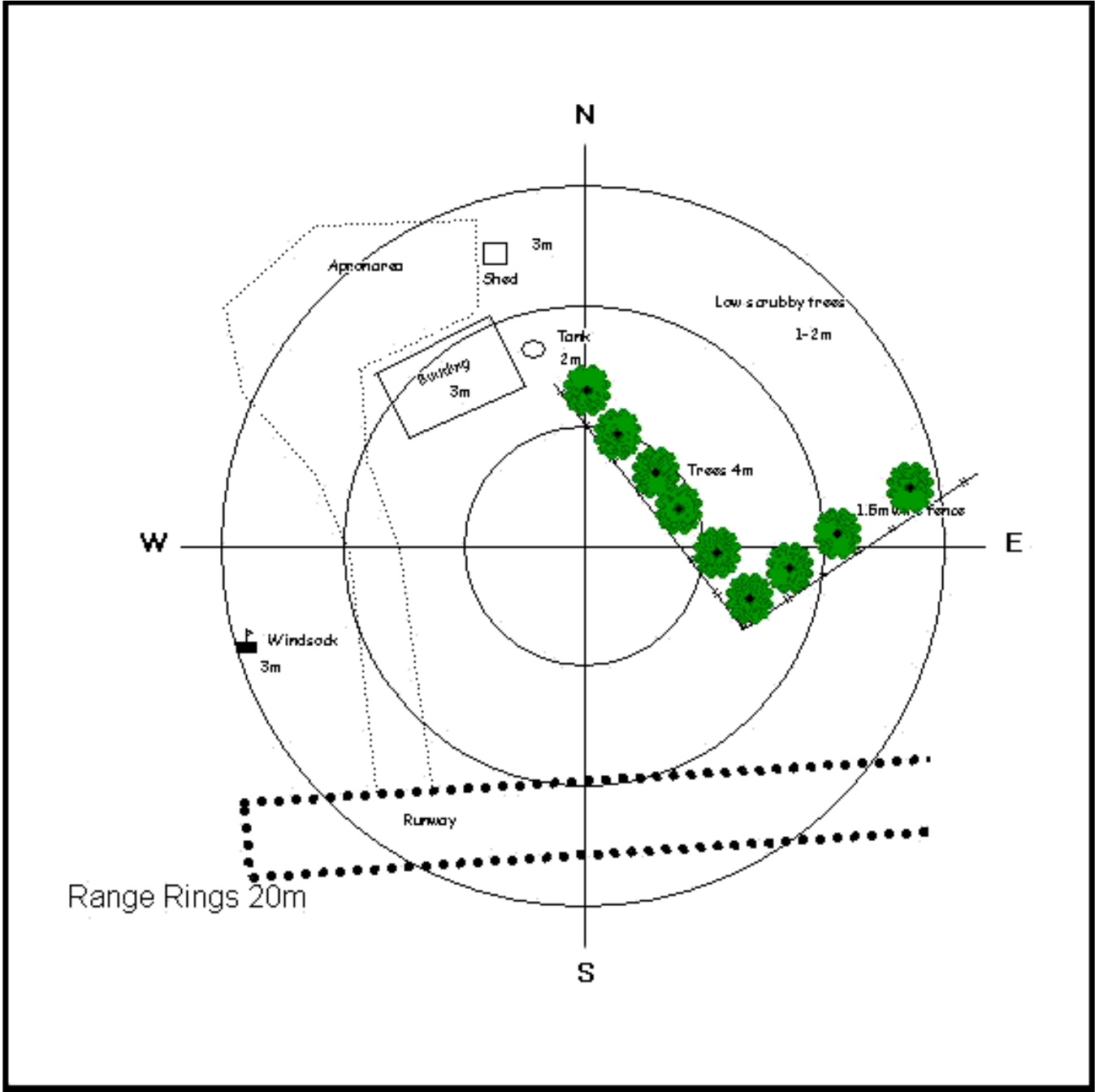
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
11/08/2001



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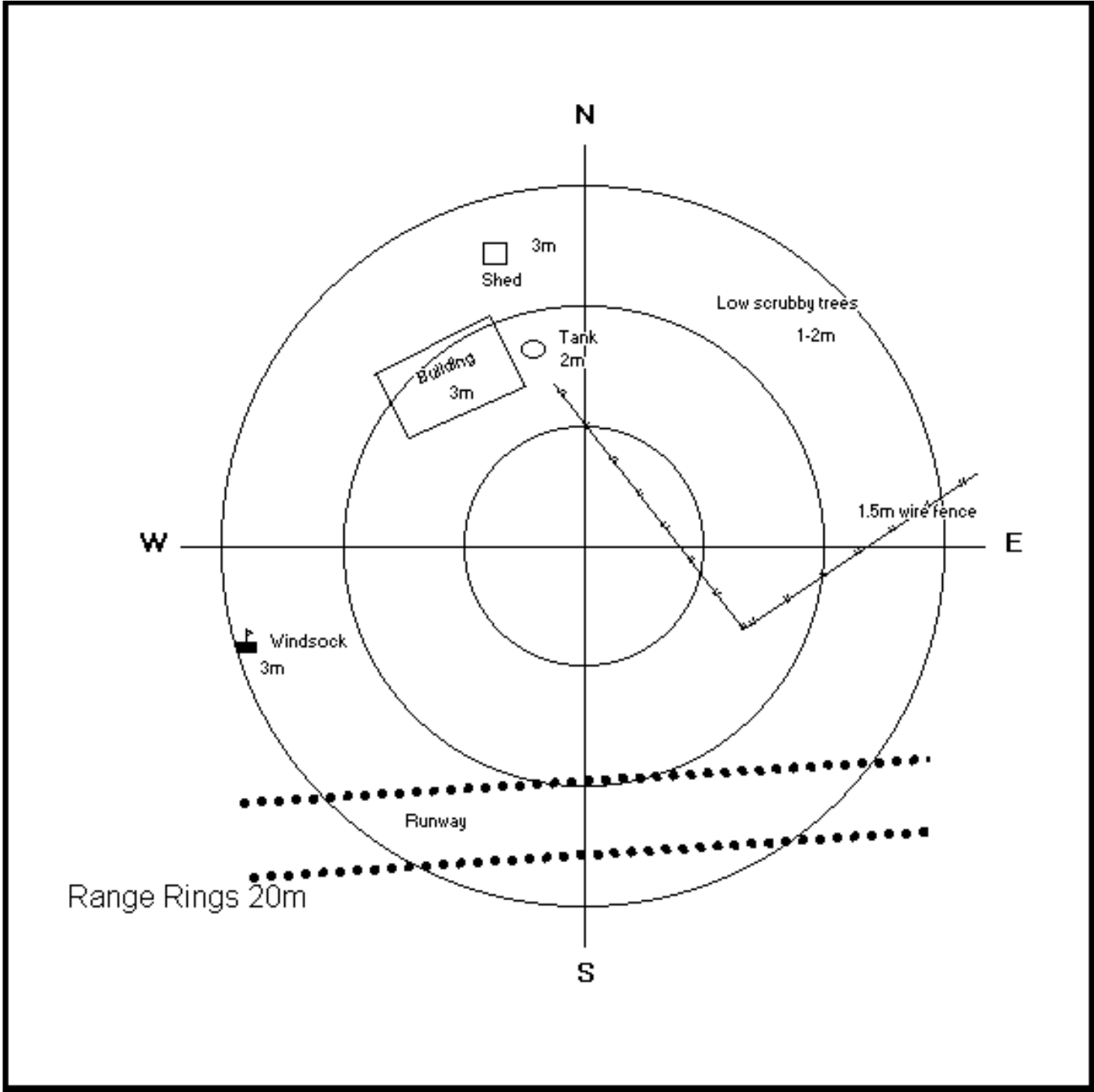
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
27/05/1999



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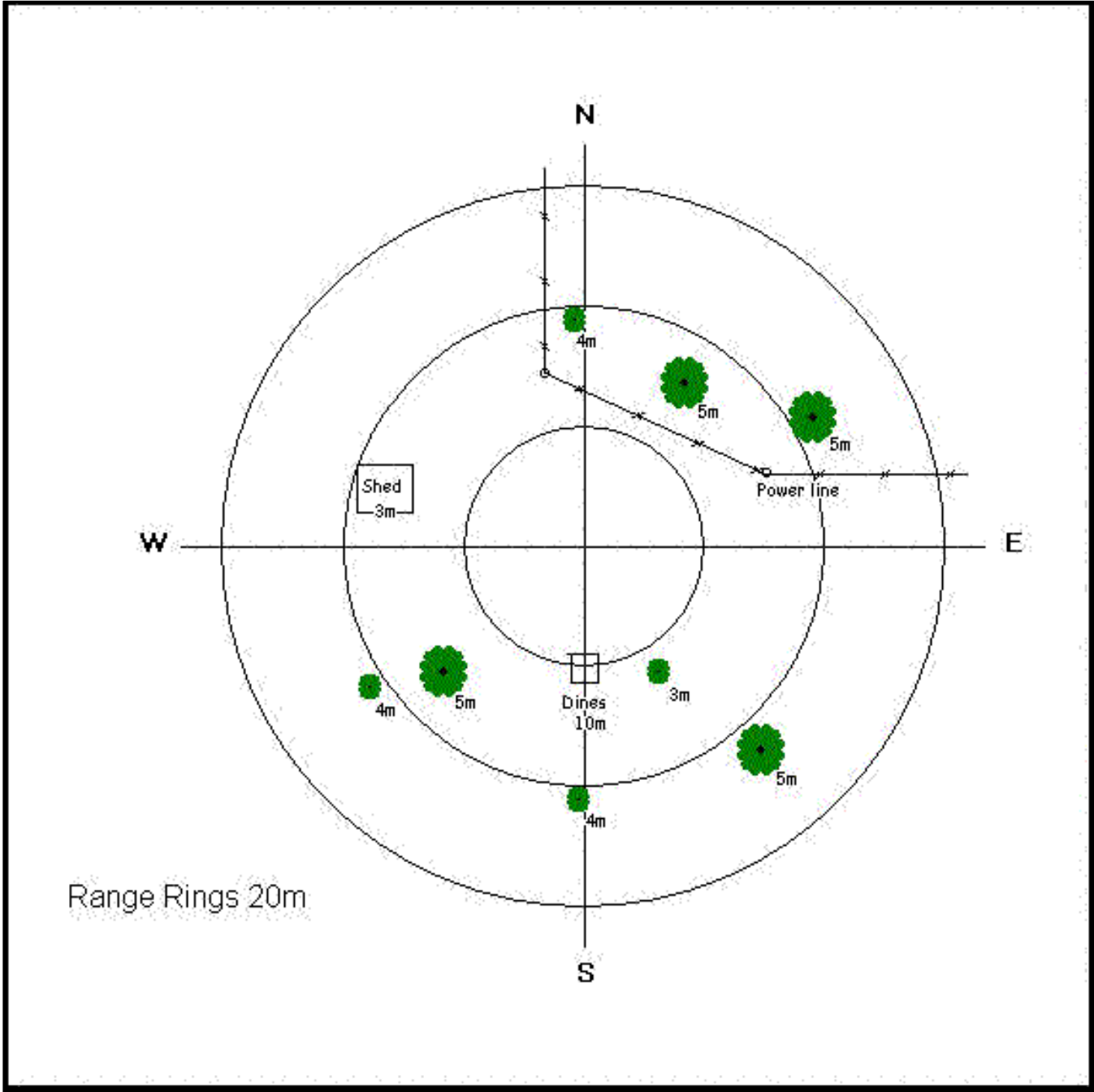
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
28/07/1997



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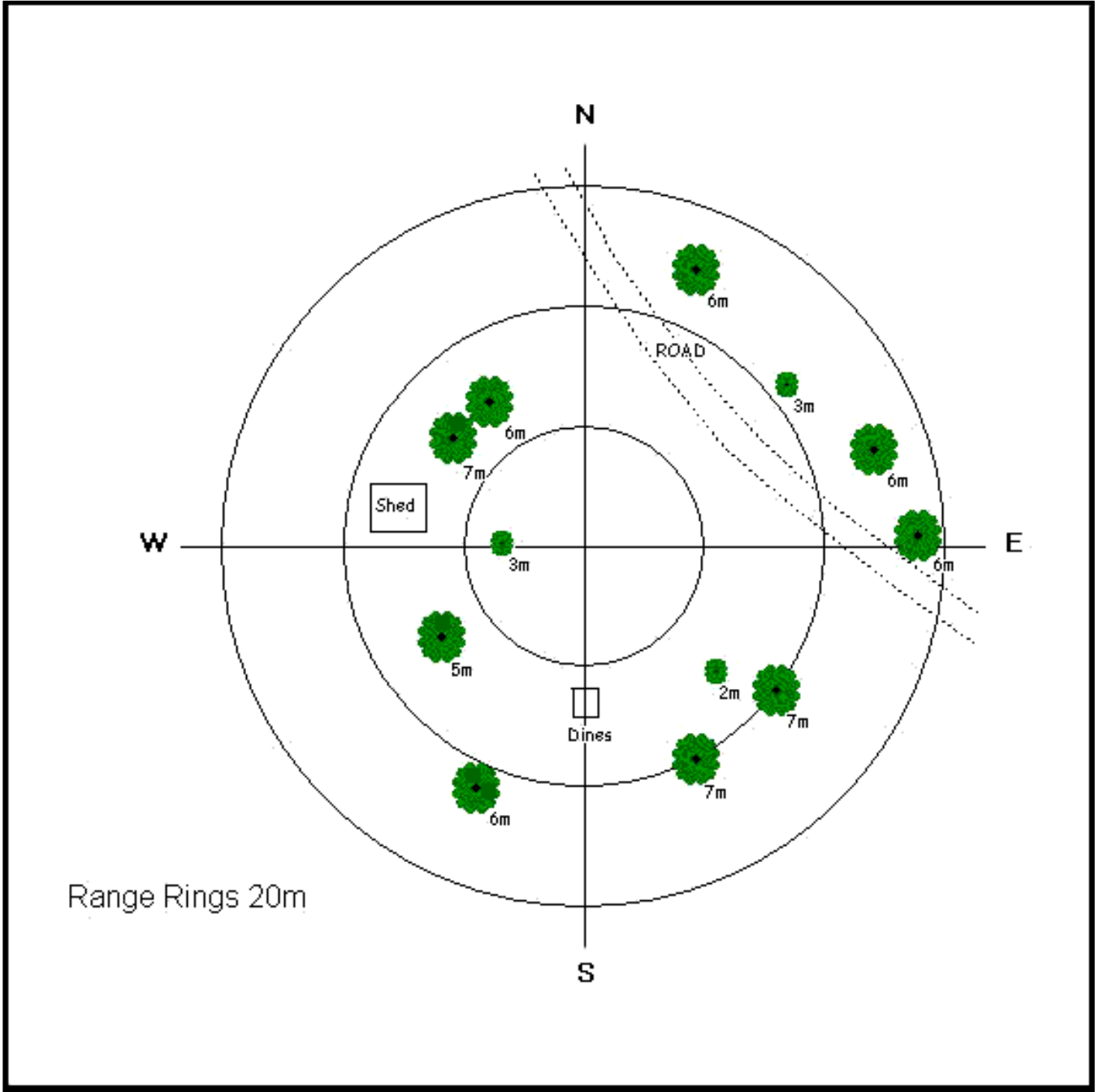
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
09/08/1993



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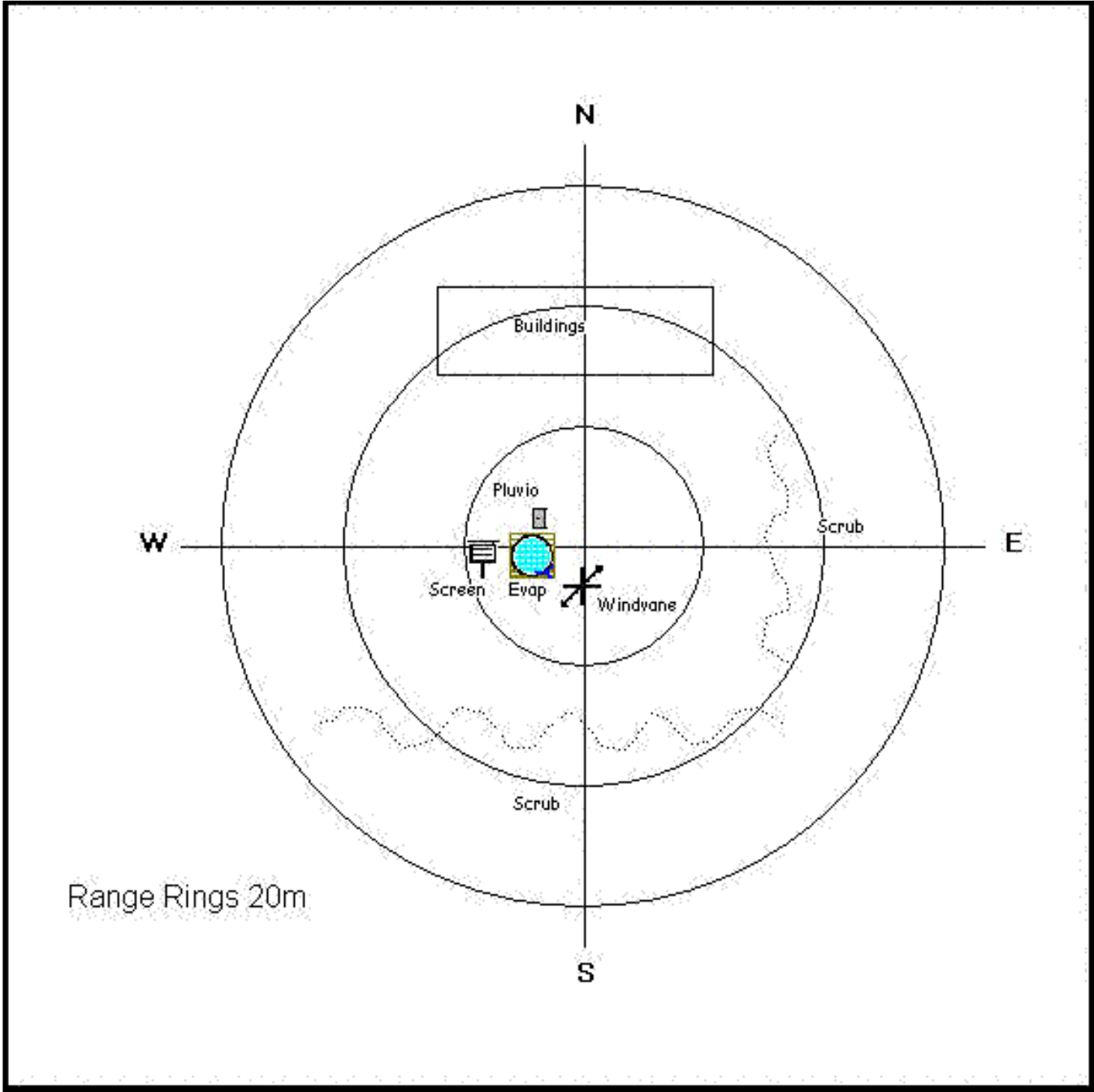
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
24/01/1969



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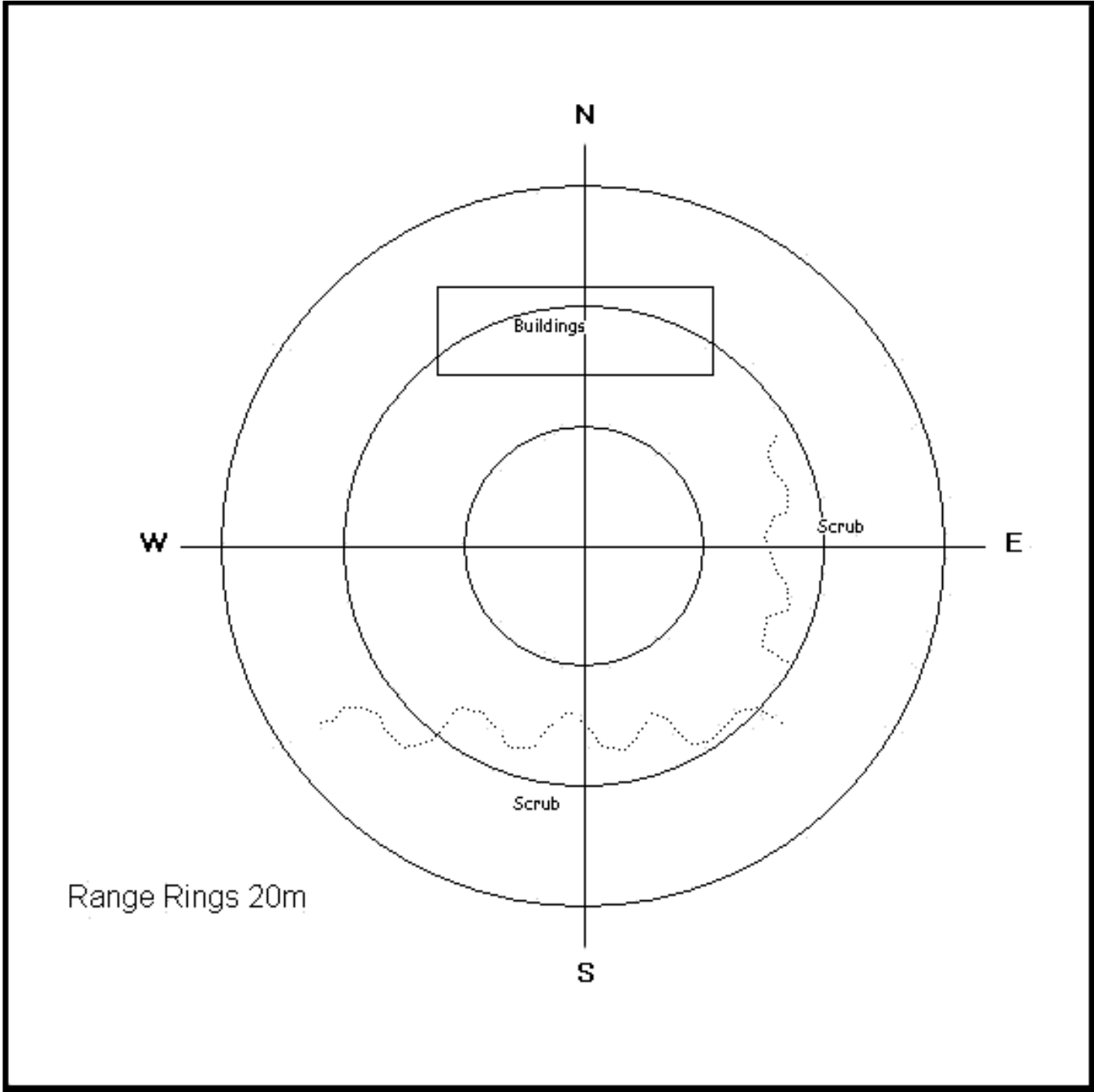




Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Instrument Location and Surrounding Features  
14/03/1968



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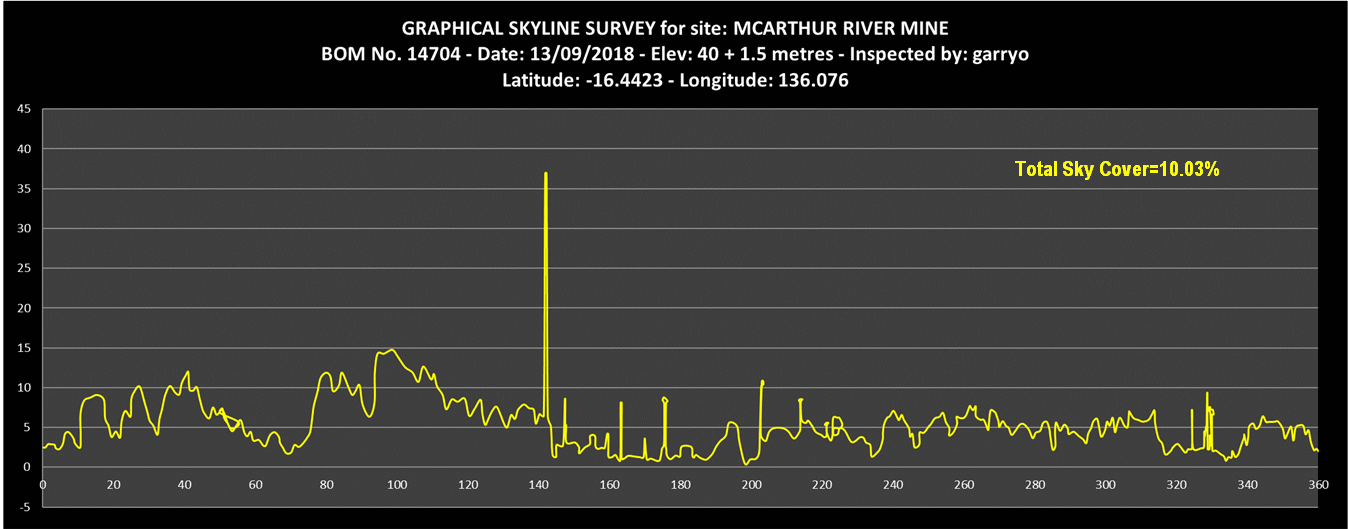
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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Skyline Diagram  
12/09/2018(most recent)



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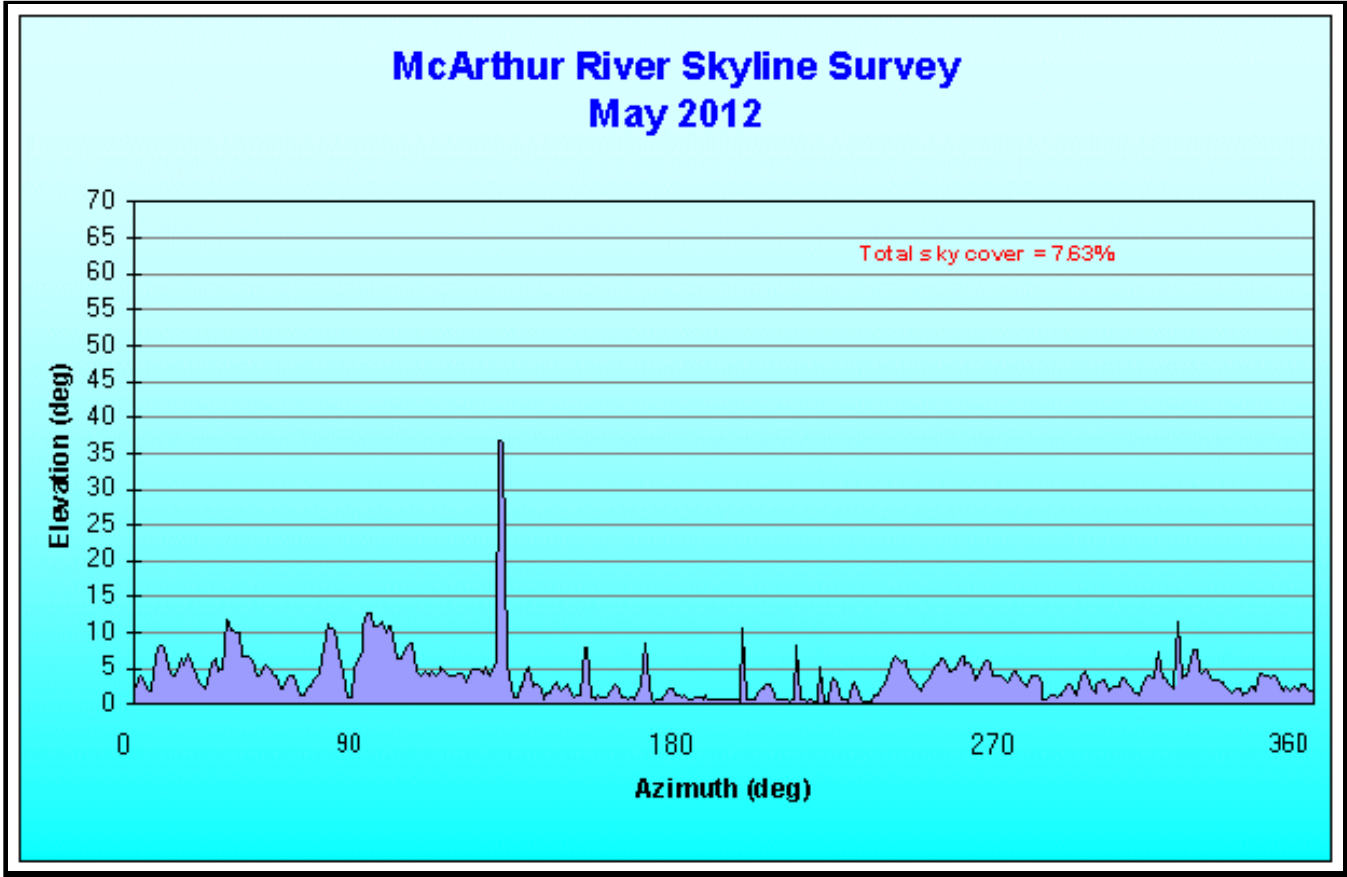
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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m
<b>Metadata compiled:</b>							28 JUL 2025

Skyline Diagram  
25/05/2012



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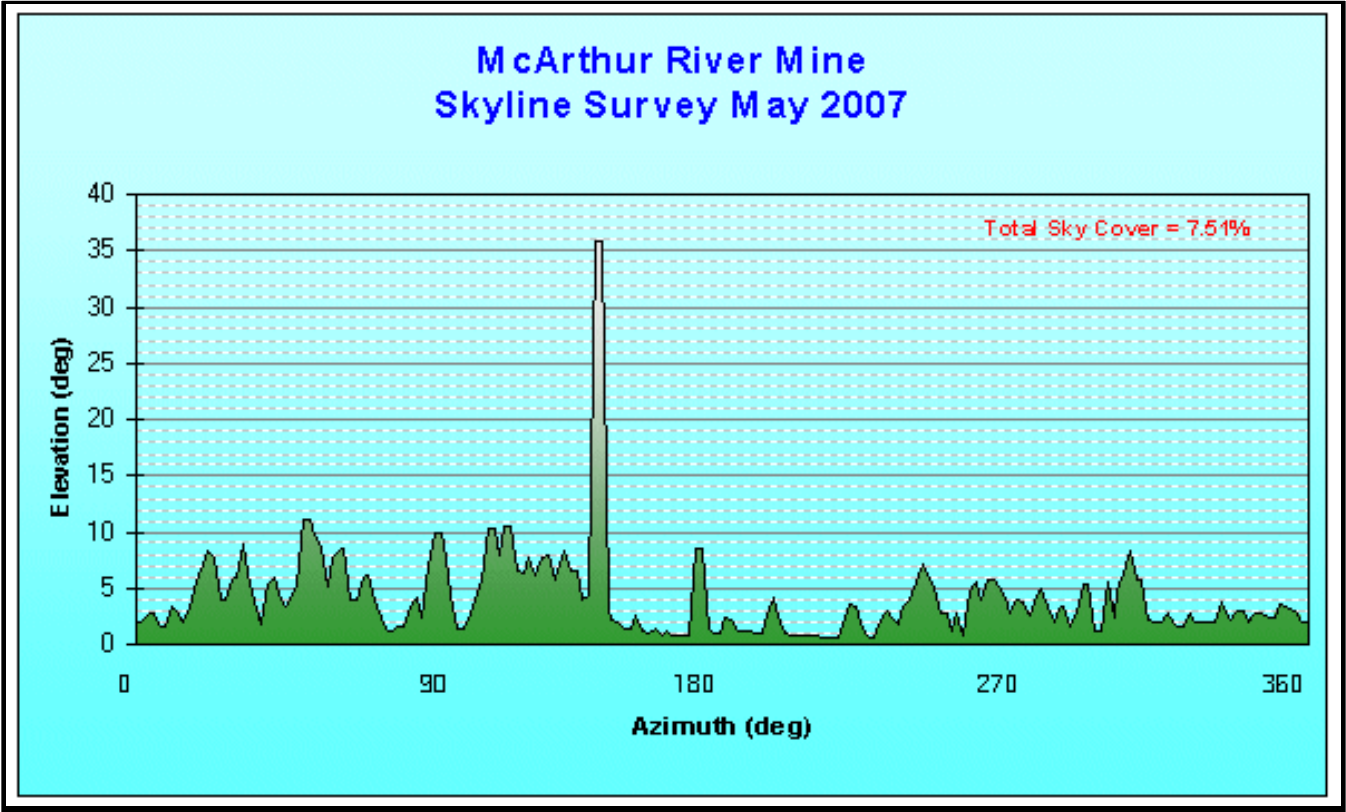
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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m
						<b>Current Status:</b>	Still open
						<b>Metadata compiled:</b>	28 JUL 2025

Skyline Diagram  
30/05/2007



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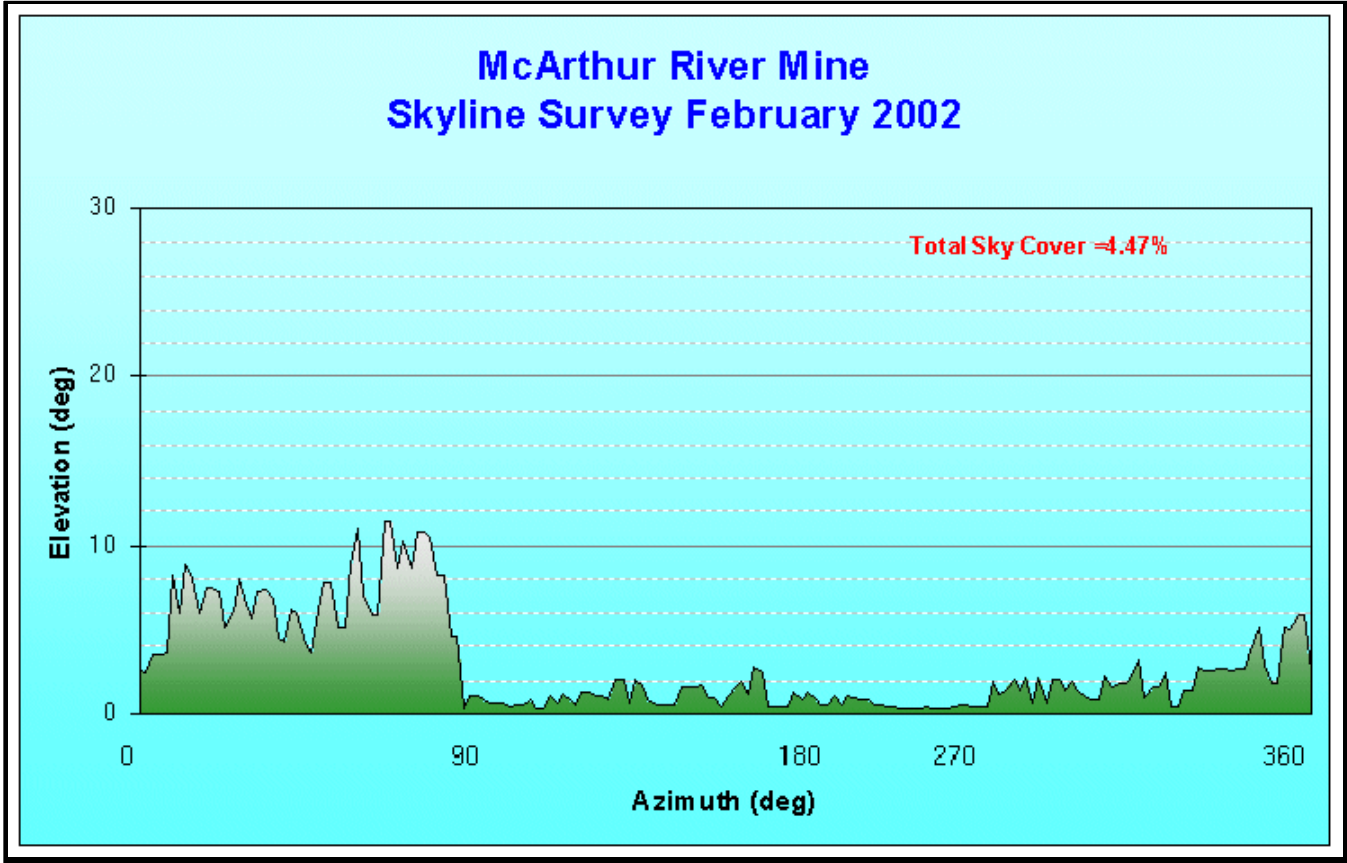
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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m
<b>Metadata compiled:</b>							28 JUL 2025

Skyline Diagram  
12/02/2002



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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Observation Program Summary (Surface Observations) from 14/03/1968 to 24/01/1969

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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

Station Observation Program Summary (Surface Observations) from 24/01/1969 to 16/04/1973

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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
Surface Observation	REPORTED	-	-	Y	Y	-	Y	-	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) from 16/04/1973 to 22/11/1973

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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
Surface Observation	REPORTED	-	-	Y	Y	Y	Y	Y	Y
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) from 22/11/1973 to 07/07/1975

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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	-
Surface Observation	REPORTED	-	-	-	Y	Y	Y	Y	-
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

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Extended Climatological Station Metadata  
All History

<b>Station:</b> MCARTHUR RIVER MINE AIRPORT			<b>Location:</b> MCARTHUR RIVER MINE AIRPORT			<b>State:</b> NT	
<b>Bureau No.:</b> 014704		<b>WMO No.:</b> 94239		<b>Aviation ID:</b> YMHU	<b>Opened:</b> 14 Mar 1968	<b>Current Status:</b> Still open	
<b>Latitude:</b> -16.4423		<b>Longitude:</b> 136.0760		<b>Elevation:</b> 40 m	<b>Barometer Elev:</b> 41 m	<b>Metadata compiled:</b> 28 JUL 2025	

Station Observation Program Summary (Surface Observations) from 07/07/1975 to 02/08/1985

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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	-	-
Surface Observation	REPORTED	-	-	Y	Y	Y	Y	-	-
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) from 02/08/1985 to 22/01/1987

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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	-	-
Surface Observation	REPORTED	-	-	Y	Y	-	Y	-	-
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) from 22/01/1987 to 28/01/1994

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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	-	-
Surface Observation	REPORTED	-	-	Y	Y	-	Y	-	-
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) from 28/01/1994 to 29/04/1994

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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	-	-
Surface Observation	REPORTED	-	-	Y	Y	Y	Y	-	-
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

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Extended Climatological Station Metadata  
All History

<b>Station:</b> MCARTHUR RIVER MINE AIRPORT			<b>Location:</b> MCARTHUR RIVER MINE AIRPORT			<b>State:</b> NT			
<b>Bureau No.:</b> 014704		<b>WMO No.:</b> 94239		<b>Aviation ID:</b> YMHU		<b>Opened:</b> 14 Mar 1968		<b>Current Status:</b> Still open	
<b>Latitude:</b> -16.4423		<b>Longitude:</b> 136.0760		<b>Elevation:</b> 40 m		<b>Barometer Elev:</b> 41 m		<b>Metadata compiled:</b> 28 JUL 2025	

Station Observation Program Summary (Surface Observations) from 29/04/1994 to 27/03/1995

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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	-	-
Surface Observation	REPORTED	-	-	Y	Y	-	Y	-	-
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) from 27/03/1995 to 21/08/1995

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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

Station Observation Program Summary (Surface Observations) from 21/08/1995 to 12/02/2002

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	-

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

Station Observation Program Summary (Surface Observations) from 15/08/2003 to 16/11/2010

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	-	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> MCARTHUR RIVER MINE AIRPORT			<b>Location:</b> MCARTHUR RIVER MINE AIRPORT			<b>State:</b> NT			
<b>Bureau No.:</b> 014704		<b>WMO No.:</b> 94239		<b>Aviation ID:</b> YMHU		<b>Opened:</b> 14 Mar 1968		<b>Current Status:</b> Still open	
<b>Latitude:</b> -16.4423		<b>Longitude:</b> 136.0760		<b>Elevation:</b> 40 m		<b>Barometer Elev:</b> 41 m		<b>Metadata compiled:</b> 28 JUL 2025	

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	-	-	-	-	-	-	-	-

Station Observation Program Summary (Surface Observations) from 12/02/2002 to 15/08/2003

Current Observation		Continuous		Half Hourly		Hourly	
Surface Observations		-		-		-	

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	-	-
Surface Observation	REPORTED	-	-	-	Y	-	Y	-	-
Surface Observation	SEASONAL	-	-	-	-	-	-	-	-

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History

Equipment Install/Remove

Cloud Height

08/APR/2009 INSTALL Ceilometer (Type Vaisala CT25K S/N - C03102) Surface Observations  
04/DEC/2019 REPLACE Ceilometer (Now Vaisala CL31 S/N - R1950423) Surface Observations  
23/FEB/2011 REPLACE Ceilometer (Now Vaisala CT25K S/N - B02101) Surface Observations  
22/MAR/2017 REPLACE Ceilometer (Now Vaisala CT25K S/N - Y08112) Surface Observations  
17/AUG/2016 REPLACE Ceilometer (Now Vaisala CT25K S/N - Y08113) Surface Observations

Humidity

23/MAY/2003 INSTALL Humidity Probe (Type Vaisala S/N - Y0450021) Surface Observations  
15/NOV/2011 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 150611) Surface Observations  
20/DEC/2006 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 41604007) Surface Observations  
17/DEC/2015 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 61422019) Surface Observations  
21/APR/2021 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 61683541) Surface Observations  
22/DEC/2016 REPLACE Humidity Probe (Now Vaisala HMP45D S/N - A3140005) Surface Observations  
24/JAN/1969 INSTALL Hygrograph (Type Hair Hygrograph S/N - 342155) Surface Observations  
31/OCT/1974 REMOVE Hygrograph (Type Hair Hygrograph S/N - 005) Surface Observations  
19/MAR/1969 REPLACE Hygrograph (Now Hair Hygrograph S/N - 005) Surface Observations

Pressure Trend (No Electronic History)

Lightning

01/AUG/1976 INSTALL Lightning Flash Counter (Type Unknown S/N - Unknown) Surface Observations  
27/MAR/1995 REMOVE Lightning Flash Counter (Type CIGRE - Vertical Aerial S/N - Unknown) Surface Observations  
01/JUN/1982 REPLACE Lightning Flash Counter (Now CIGRE - Vertical Aerial S/N - Unknown) Surface Observations

Sea Surface Temperature (No Electronic History)

Magnetic Bearing (No Electronic History)

Wind Direction

24/JAN/1969 INSTALL Anemometer (Type Dines S/N - Unknown) Surface Observations  
12/FEB/2002 INSTALL Anemometer (Type Dwyer on mast S/N - NONE) Surface Observations  
25/MAY/2012 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - 76474) Surface Observations  
23/MAY/2003 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WSKD172/WDD340) Surface Observations  
21/NOV/1973 INSTALL Anemometer (Type Ventimeter S/N - NONE) Surface Observations  
12/FEB/2002 INSTALL Anemometer (Type Wind Vane S/N - NONE) Surface Observations  
24/MAY/2003 INSTALL Mast Anemometer (Type Pivot, Standard 10m S/N - NONE) Infrastructure  
19/JUL/2010 INSTALL Wind Run Anemometer (Type Munro S/N - 513) Surface Observations  
24/JAN/1969 INSTALL Wind Run Anemometer (Type Munro S/N - 7407) Surface Observations  
12/FEB/2002 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 583) Surface Observations  
27/MAR/1995 REMOVE Anemometer (Type Dines S/N - Unknown) Surface Observations  
14/JUN/2006 REMOVE Anemometer (Type Dwyer on mast S/N - NONE) Surface Observations  
27/MAR/1995 REMOVE Anemometer (Type Ventimeter S/N - NONE) Surface Observations  
14/JUN/2006 REMOVE Anemometer (Type Wind Vane S/N - NONE) Surface Observations  
16/JUL/2009 REMOVE Wind Run Anemometer (Type Synchrotac S/N - 583) Surface Observations  
27/MAR/1995 REMOVE Wind Run Anemometer (Type Unknown S/N - Unknown) Surface Observations  
25/MAY/2012 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - 76364) Surface Observations  
03/SEP/2010 REPLACE Wind Run Anemometer (Now Synchrotac S/N - 807) Surface Observations  
04/JAN/1995 REPLACE Wind Run Anemometer (Now Unknown S/N - Unknown) Surface Observations

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Extended Climatological Station Metadata  
All History

Station:	MCARTHUR RIVER MINE AIRPORT		Location:	MCARTHUR RIVER MINE AIRPORT		State:	NT
Bureau No.:	014704	WMO No.:	94239	Aviation ID:	YMHU	Opened:	14 Mar 1968
Latitude:	-16.4423	Longitude:	136.0760	Elevation:	40 m	Barometer Elev:	41 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

Wet Bulb Temperature

- 12/FEB/2002 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 20289) Surface Observations
- 12/FEB/2002 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 20392) Surface Observations
- 24/JAN/1969 INSTALL Thermometer, Mercury, Wet Bulb (Type Unknown S/N - 1476) Surface Observations
- 14/JUN/2006 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 20289) Surface Observations
- 14/JUN/2006 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 20392) Surface Observations
- 27/MAR/1995 REMOVE Thermometer, Mercury, Wet Bulb (Type Unknown S/N - Unknown) Surface Observations
- 22/MAY/1972 REPLACE Thermometer, Mercury, Wet Bulb (Now Unknown S/N - 1809) Surface Observations
- 14/JAN/1991 REPLACE Thermometer, Mercury, Wet Bulb (Now Unknown S/N - Unknown) Surface Observations

Solar Radiation (Long Wave) (No Electronic History)

Spectral Radiation (No Electronic History)

Maximum Temperature

- 12/FEB/2002 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - 17426) Surface Observations
- 12/FEB/2002 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - 22082) Surface Observations
- 24/JAN/1969 INSTALL Thermometer, Mercury, Max (Type Unknown S/N - 6274) Surface Observations
- 14/JUN/2006 REMOVE Thermometer, Mercury, Max (Type Dobbie S/N - 18815) Surface Observations
- 14/JUN/2006 REMOVE Thermometer, Mercury, Max (Type Dobbie S/N - 22077) Surface Observations
- 27/MAR/1995 REMOVE Thermometer, Mercury, Max (Type Unknown S/N - Unknown) Surface Observations
- 07/JAN/2003 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - 18815) Surface Observations
- 07/JAN/2003 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - 22077) Surface Observations
- 22/MAY/1972 REPLACE Thermometer, Mercury, Max (Now Unknown S/N - 203) Surface Observations
- 29/SEP/1988 REPLACE Thermometer, Mercury, Max (Now Unknown S/N - Unknown) Surface Observations

Soil Temperature 10cm

- 12/FEB/2002 INSTALL Thermometer, Soil, 10cm (Type Amarol S/N - 0136949) Surface Observations
- 16/JUL/2009 REMOVE Thermometer, Soil, 10cm (Type Amarol S/N - 0136955) Surface Observations
- 21/NOV/2007 REPLACE Thermometer, Soil, 10cm (Now Amarol S/N - 0136955) Surface Observations

Soil Temperature 20cm

- 12/FEB/2002 INSTALL Thermometer, Soil, 20cm (Type Amarol S/N - 0011835) Surface Observations
- 16/JUL/2009 REMOVE Thermometer, Soil, 20cm (Type Amarol S/N - 0673890) Surface Observations
- 07/JAN/2003 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 0011842) Surface Observations
- 01/JUL/2005 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 0270790) Surface Observations
- 03/MAY/2008 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 0673890) Surface Observations

Soil Temperature 50cm

- 12/FEB/2002 INSTALL Thermometer, Soil, 50cm (Type Amarol S/N - 0010819) Surface Observations
- 16/JUL/2009 REMOVE Thermometer, Soil, 50cm (Type Amarol S/N - 0010819) Surface Observations

Snow Height (No Electronic History)

Soil Temperature 100cm

- 12/FEB/2002 INSTALL Thermometer, Soil, 100cm (Type Amarol S/N - 9990147) Surface Observations
- 16/JUL/2009 REMOVE Thermometer, Soil, 100cm (Type Amarol S/N - 0137362) Surface Observations
- 20/MAR/2004 REPLACE Thermometer, Soil, 100cm (Now Amarol S/N - 0137362) Surface Observations

Sunshine Hours

- 24/JAN/1969 INSTALL Sunshine Recorder (Type Unknown S/N - 5797) Surface Observations
- 27/MAR/1995 REMOVE Sunshine Recorder (Type Unknown S/N - Unknown) Surface Observations

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Extended Climatological Station Metadata  
All History

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<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

16/JUL/1975 REPLACE Sunshine Recorder (Now Unknown S/N - Unknown) Surface Observations

Wind Run

19/JUL/2010 INSTALL Wind Run Anemometer (Type Munro S/N - 513) Surface Observations  
24/JAN/1969 INSTALL Wind Run Anemometer (Type Munro S/N - 7407) Surface Observations  
12/FEB/2002 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 583) Surface Observations  
16/JUL/2009 REMOVE Wind Run Anemometer (Type Synchrotac S/N - 583) Surface Observations  
27/MAR/1995 REMOVE Wind Run Anemometer (Type Unknown S/N - Unknown) Surface Observations  
03/SEP/2010 REPLACE Wind Run Anemometer (Now Synchrotac S/N - 807) Surface Observations  
04/JAN/1995 REPLACE Wind Run Anemometer (Now Unknown S/N - Unknown) Surface Observations

Minimum Temperature

26/JUL/2002 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 20793) Surface Observations  
12/FEB/2002 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 21467) Surface Observations  
12/FEB/2002 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 22153) Surface Observations  
24/JAN/1969 INSTALL Thermometer, Alcohol, Min (Type Unknown S/N - 6243) Surface Observations  
13/AUG/2003 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 20793) Surface Observations  
25/JUL/2002 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 22153) Surface Observations  
13/AUG/2003 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 22153) Surface Observations  
27/MAR/1995 REMOVE Thermometer, Alcohol, Min (Type Unknown S/N - 2083) Surface Observations  
26/JUL/2002 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 22153) Surface Observations  
22/MAY/1972 REPLACE Thermometer, Alcohol, Min (Now Unknown S/N - 138) Surface Observations  
04/MAR/1974 REPLACE Thermometer, Alcohol, Min (Now Unknown S/N - 2083) Surface Observations

Terrestrial Minimum Temperature

12/FEB/2002 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 20651) Surface Observations  
12/FEB/2002 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 20729) Surface Observations  
24/JUN/2002 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 22128) Surface Observations  
24/JUN/2002 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 22144) Surface Observations  
23/FEB/2005 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 23295) Surface Observations  
07/APR/2005 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 23367) Surface Observations  
22/FEB/2005 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 24240) Surface Observations  
15/AUG/2003 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 17021) Surface Observations  
02/JUL/2002 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 20729) Surface Observations  
14/JUN/2006 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 23234) Surface Observations  
01/JUL/2005 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 23295) Surface Observations  
19/NOV/2004 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 23295) Surface Observations  
14/JUN/2006 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 23367) Surface Observations  
01/JUL/2005 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 24240) Surface Observations  
20/APR/2002 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 17021) Surface Observations  
19/APR/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 19633) Surface Observations  
15/AUG/2003 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 20793) Surface Observations  
26/JUL/2002 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 22128) Surface Observations  
02/JUL/2002 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 22145) Surface Observations  
15/AUG/2003 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 22153) Surface Observations  
06/APR/2005 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23234) Surface Observations

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Current Status:</b>	Still open
						<b>Barometer Elev:</b>	41 m
							<b>Metadata compiled:</b> 28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

19/APR/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23295) Surface Observations  
20/NOV/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23295) Surface Observations  
22/FEB/2005 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23367) Surface Observations

Visibility

08/APR/2009 INSTALL Visibility Meter (Type Vaisala FD12 S/N - C02403) 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 (No Electronic History)

Total Column Ozone Amount (No Electronic History)

Pressure

24/JAN/1969 INSTALL Barometer (Type Kew pattern mercury S/N - S1802/58) Surface Observations  
12/FEB/2002 INSTALL Barometer (Type Vaisala PA11A S/N - R0830001) Surface Observations  
24/MAY/2003 INSTALL Barometer (Type Vaisala PA11A S/N - R0830001) Surface Observations  
27/MAR/1995 REMOVE Barometer (Type Kew pattern mercury S/N - 1598/46) Surface Observations  
23/MAY/2003 REMOVE Barometer (Type Vaisala PA11A S/N - R0830001) Surface Observations  
03/JUL/1977 REPLACE Barometer (Now Kew pattern mercury S/N - 1598/46) Surface Observations  
24/JUL/2007 REPLACE Barometer (Now Vaisala PTB220B S/N - B0250015) Surface Observations

Evaporation

24/JAN/1969 INSTALL Evaporation Pan (Type Australian sunken tank S/N - Unknown) Surface Observations  
12/FEB/2002 INSTALL Evaporation Pan (Type Class A S/N - NONE) Surface Observations  
27/MAR/1995 REMOVE Evaporation Pan (Type Class A S/N - NONE) Surface Observations  
17/SEP/1971 REPLACE Evaporation Pan (Now Class A S/N - NONE) Surface Observations  
16/JUL/1975 REPLACE Evaporation Pan (Now Class A S/N - NONE) Surface Observations

Rainfall

24/JAN/1969 INSTALL Pluviograph (Type Dines syphoning S/N - Unknown) Rainfall Intensity  
27/MAR/1995 REMOVE Pluviograph (Type Dines syphoning S/N - Unknown) Rainfall Intensity  
14/MAR/1968 INSTALL Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations  
23/MAY/2003 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 6792) Surface Observations  
12/FEB/2002 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 81177) Rainfall Intensity  
15/JUN/2006 REMOVE Raingauge (Type Rimco 7499 TBRG S/N - 6792) Surface Observations  
16/JUL/1975 REPLACE Raingauge (Now 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations  
27/MAR/1995 REPLACE Raingauge (Now 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations  
05/MAR/1999 REPLACE Raingauge (Now 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations  
16/JUL/2009 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 361) Rainfall Intensity  
16/JUL/2009 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 361) Surface Observations  
19/AUG/2015 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 583) Rainfall Intensity  
19/AUG/2015 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 583) Surface Observations  
04/DEC/2019 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - NT001) Rainfall Intensity  
04/DEC/2019 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - NT001) Surface Observations  
15/JUN/2006 SHARE Raingauge (Type Rimco 7499 TBRG S/N - 361) Surface Observations  
15/JUN/2006 SHARE Raingauge (Type Rimco 7499 TBRG S/N - 583) Surface Observations

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Extended Climatological Station Metadata  
All History

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<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Barometer Elev:</b>	41 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

15/JUN/2006 SHARE Raingauge (Type Rimco 7499 TBRG S/N - 81177) Surface Observations  
12/SEP/2018 UNSHARE Raingauge (Type Rimco 7499 TBRG S/N - NT001) 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

24/JAN/1969 INSTALL Anemometer (Type Dines S/N - Unknown) Surface Observations  
12/FEB/2002 INSTALL Anemometer (Type Dwyer on mast S/N - NONE) Surface Observations  
25/MAY/2012 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - 76474) Surface Observations  
23/MAY/2003 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WSKD172/WDD340) Surface Observations  
21/NOV/1973 INSTALL Anemometer (Type Ventimeter S/N - NONE) Surface Observations  
12/FEB/2002 INSTALL Anemometer (Type Wind Vane S/N - NONE) Surface Observations  
24/MAY/2003 INSTALL Mast Anemometer (Type Pivot, Standard 10m S/N - NONE) Infrastructure  
19/JUL/2010 INSTALL Wind Run Anemometer (Type Munro S/N - 513) Surface Observations  
24/JAN/1969 INSTALL Wind Run Anemometer (Type Munro S/N - 7407) Surface Observations  
12/FEB/2002 INSTALL Wind Run Anemometer (Type Synchrotac S/N - 583) Surface Observations  
27/MAR/1995 REMOVE Anemometer (Type Dines S/N - Unknown) Surface Observations  
14/JUN/2006 REMOVE Anemometer (Type Dwyer on mast S/N - NONE) Surface Observations  
27/MAR/1995 REMOVE Anemometer (Type Ventimeter S/N - NONE) Surface Observations  
14/JUN/2006 REMOVE Anemometer (Type Wind Vane S/N - NONE) Surface Observations  
16/JUL/2009 REMOVE Wind Run Anemometer (Type Synchrotac S/N - 583) Surface Observations  
27/MAR/1995 REMOVE Wind Run Anemometer (Type Unknown S/N - Unknown) Surface Observations  
25/MAY/2012 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - 76364) Surface Observations  
03/SEP/2010 REPLACE Wind Run Anemometer (Now Synchrotac S/N - 807) Surface Observations  
04/JAN/1995 REPLACE Wind Run Anemometer (Now Unknown S/N - Unknown) Surface Observations

Air Temperature

23/MAY/2003 INSTALL Humidity Probe (Type Vaisala S/N - Y0450021) Surface Observations  
15/NOV/2011 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 150611) Surface Observations  
20/DEC/2006 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 41604007) Surface Observations  
17/DEC/2015 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 61422019) Surface Observations  
21/APR/2021 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 61683541) Surface Observations  
22/DEC/2016 REPLACE Humidity Probe (Now Vaisala HMP45D S/N - A3140005) Surface Observations  
23/MAY/2003 INSTALL Temperature Probe - Dry Bulb (Type Rosemount S/N - 0516) Surface Observations  
24/JAN/1969 INSTALL Thermograph (Type Weekly S/N - 1875) Surface Observations  
31/OCT/1974 REMOVE Thermograph (Type Weekly S/N - 379) Surface Observations  
31/AUG/1971 REPLACE Thermograph (Now Weekly S/N - 379) Surface Observations  
12/FEB/2002 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 20161) Surface Observations  
12/FEB/2002 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 20191) Surface Observations  
24/JAN/1969 INSTALL Thermometer, Mercury, Dry Bulb (Type Unknown S/N - 1533) Surface Observations  
14/JUN/2006 REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 20161) Surface Observations

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Current Status:</b>	Still open
						<b>Barometer Elev:</b>	41 m
							<b>Metadata compiled:</b> 28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

14/JUN/2006 REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 20191) Surface Observations  
27/MAR/1995 REMOVE Thermometer, Mercury, Dry Bulb (Type Unknown S/N - 1209) Surface Observations  
22/MAY/1972 REPLACE Thermometer, Mercury, Dry Bulb (Now Unknown S/N - 1209) 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
01/DEC/2011 - 21/APR/2021	Cloud Height	0
23/MAY/2003 - 21/APR/2021	Humidity	4
09/AUG/1993 - 21/APR/2021	Wind Direction	0
09/AUG/1993 - 14/APR/2016	Wind Run	0
01/DEC/2011 - 04/NOV/2020	Visibility	1
24/JAN/1969 - 21/APR/2021	Pressure	0
16/JUL/1975 - 04/NOV/2020	Evaporation	3
23/AUG/1974 - 21/APR/2021	Rainfall	5
09/AUG/1993 - 21/APR/2021	Wind Speed	0
23/MAY/2003 - 21/APR/2021	Air Temperature	4

Station Detail Changes

05/MAR/2015 CLASSIFICATION AWS Funding - Aviation (FAV)  
01/FEB/2021 CLASSIFICATION AWS Priority 3 - Standard (SLP3-AWS)  
09/MAY/2006 CLASSIFICATION Category C (TAF C) ENDED 05-03-2015  
05/MAR/2015 CLASSIFICATION Category D (TAF D)  
23/MAY/2003 CLASSIFICATION Incentive Payment AWS (FIP)  
30/AUG/2021 CLASSIFICATION Mastered in EAMS (EAMS)  
21/MAR/2016 CLASSIFICATION NOT Processed by ASOS (NPBA)  
01/JUL/2017 CLASSIFICATION Observing Operations Hub - Darwin (OOH-D)  
10/JAN/2011 CLASSIFICATION Standard (ASOSSTD)  
10/JUN/2014 CLASSIFICATION Standard Aviation or Defence (AVSTD) ENDED 16-10-2020  
02/MAY/2003 OBJECT Document/014704Upgrade  
16/NOV/2010 OBJECT Document/AWS SITE AUDIT  
22/MAR/2018 OBJECT Document/CEILOMETER STATUS  
12/SEP/2018 OBJECT Document/CEILOMETER STATUS  
04/DEC/2019 OBJECT Document/CEILOMETER STATUS  
30/APR/2013 OBJECT Document/CEILOMETER STATUS  
12/NOV/2014 OBJECT Document/CEILOMETER STATUS  
16/AUG/2016 OBJECT Document/CEILOMETER STATUS  
17/AUG/2016 OBJECT Document/CEILOMETER STATUS  
23/AUG/2017 OBJECT Document/CEILOMETER STATUS

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Current Status:</b>	Still open
						<b>Barometer Elev:</b>	41 m
							<b>Metadata compiled:</b> 28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

19/AUG/2015 OBJECT Document/CEILOMETER STATUS  
14/APR/2016 OBJECT Document/CEILOMETER STATUS  
15/NOV/2011 OBJECT Document/CEILOMETER STATUS  
04/NOV/2020 OBJECT Document/CEILOMETER STATUS  
21/APR/2021 OBJECT Document/CEILOMETER STATUS  
19/JAN/2018 OBJECT Document/CEILOMETER STATUS  
28/AUG/2019 OBJECT Document/CEILOMETER STATUS  
17/APR/2019 OBJECT Document/Mast inspection Appendix A MRM 17 April 2019  
21/APR/2021 OBJECT Document/Mc Arthur River Mine Isolator / Breakers  
12/SEP/2018 OBJECT Document/SKYLINE DATA  
30/MAY/2007 OBJECT Document/SKYLINE DATA  
25/MAY/2012 OBJECT Document/SKYLINE DATA  
12/FEB/2002 OBJECT Document/SKYLINE DATA  
22/MAR/2018 OBJECT Document/VISIBILITY METER STATUS  
04/DEC/2019 OBJECT Document/VISIBILITY METER STATUS  
30/APR/2013 OBJECT Document/VISIBILITY METER STATUS  
17/AUG/2016 OBJECT Document/VISIBILITY METER STATUS  
23/AUG/2017 OBJECT Document/VISIBILITY METER STATUS  
14/APR/2016 OBJECT Document/VISIBILITY METER STATUS  
15/NOV/2011 OBJECT Document/VISIBILITY METER STATUS  
04/NOV/2020 OBJECT Document/VISIBILITY METER STATUS  
21/APR/2021 OBJECT Document/VISIBILITY METER STATUS  
19/JAN/2018 OBJECT Document/VISIBILITY METER STATUS  
28/AUG/2019 OBJECT Document/VISIBILITY METER STATUS  
18/JAN/1968 STATION - (nondb seeding) name Changed to MCARTHUR RIVER MINE  
14/MAR/1968 STATION Opened  
18/JAN/1968 STATION Proposed  
23/DEC/2004 STATION aero\_ht Changed to 39.9  
23/DEC/2004 STATION aero\_ht\_deriv Changed to SURVEY  
23/MAY/2003 STATION aviation\_id Changed to YMHU  
28/JUL/1997 STATION bar\_ht Changed to  
12/FEB/2002 STATION bar\_ht Changed to 41.0  
24/JAN/1969 STATION bar\_ht Changed to 41.8  
28/JUL/1997 STATION bar\_ht\_deriv Changed to  
12/FEB/2002 STATION bar\_ht\_deriv Changed to Barometer  
24/JAN/1969 STATION bar\_ht\_deriv Changed to Unknown  
18/JAN/1968 STATION latitude Changed to -16.4333  
07/JUN/1991 STATION latitude Changed to -16.44139  
15/AUG/2003 STATION latitude Changed to -16.44228  
27/MAY/1999 STATION latitude Changed to -16.4434Rainfall site has been moved to the airport.  
07/JUN/1991 STATION latlon\_deriv Changed to GPS  
27/MAY/1999 STATION latlon\_deriv Changed to GPS  
15/AUG/2003 STATION latlon\_deriv Changed to GPS

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Extended Climatological Station Metadata  
All History

<b>Station:</b>	MCARTHUR RIVER MINE AIRPORT		<b>Location:</b>	MCARTHUR RIVER MINE AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014704	<b>WMO No.:</b>	94239	<b>Aviation ID:</b>	YMHU	<b>Opened:</b>	14 Mar 1968
<b>Latitude:</b>	-16.4423	<b>Longitude:</b>	136.0760	<b>Elevation:</b>	40 m	<b>Current Status:</b>	Still open
						<b>Barometer Elev:</b>	41 m
							<b>Metadata compiled:</b> 28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

18/JAN/1968 STATION latlon\_deriv Changed to MAP 1:250 000  
18/JAN/1968 STATION latlon\_error Changed to  
07/JUN/1991 STATION latlon\_error Changed to  
27/MAY/1999 STATION latlon\_error Changed to 3  
15/AUG/2003 STATION latlon\_error Changed to 3  
07/JUN/1991 STATION longitude Changed to 136.0728  
15/AUG/2003 STATION longitude Changed to 136.07596  
27/MAY/1999 STATION longitude Changed to 136.0764Rainfall site has been moved to the airport.  
18/JAN/1968 STATION longitude Changed to 136.0833  
27/MAY/1999 STATION lu\_0\_100m Changed to Airport  
09/AUG/1993 STATION lu\_0\_100m Changed to Open farmland, grassland or tundra  
28/MAY/1999 STATION lu\_100m\_1km Changed to Airport  
27/MAY/1999 STATION lu\_100m\_1km Changed to Open farmland, grassland or tundra  
09/AUG/1993 STATION lu\_100m\_1km Changed to Small town < 1000 population  
09/AUG/1993 STATION lu\_1km\_10km Changed to Open farmland, grassland or tundra  
27/MAY/1999 STATION lu\_1km\_10km Changed to Open farmland, grassland or tundra  
01/JAN/2014 STATION name Changed to MCARTHUR RIVER MINE AIRPORT  
09/AUG/1993 STATION soil\_type Changed to clay  
27/MAY/1999 STATION soil\_type Changed to clay  
18/JAN/1968 STATION soil\_type Changed to red soil  
18/JAN/1968 STATION stn\_ht Changed to 30  
04/FEB/2002 STATION stn\_ht Changed to 40  
07/AUG/1991 STATION stn\_ht Changed to 41  
04/FEB/2002 STATION stn\_ht\_deriv Changed to  
18/JAN/1968 STATION stn\_ht\_deriv Changed to MAP 1:250 000  
07/AUG/1991 STATION stn\_ht\_deriv Changed to Unknown  
27/MAY/1999 STATION surface\_type Changed to bare ground  
16/JUL/2009 STATION surface\_type Changed to mostly covered by grass  
28/JUL/1997 STATION surface\_type Changed to mostly covered by grass  
09/AUG/1993 STATION surface\_type Changed to partly covered by grass  
11/FEB/2002 STATION surface\_type Changed to partly covered by grass  
27/MAR/1995 STATION wmo\_num Changed to  
24/JAN/1969 STATION wmo\_num Changed to 94239  
11/FEB/2002 STATION wmo\_num Changed to 94239

System Changes

24/MAY/2003 SYSTEM Infrastructure Commenced  
12/SEP/2018 SYSTEM Rainfall Intensity Ceased  
27/MAR/1995 SYSTEM Rainfall Intensity Ceased  
12/FEB/2002 SYSTEM Rainfall Intensity Commenced  
24/JAN/1969 SYSTEM Rainfall Intensity Commenced  
14/MAR/1968 SYSTEM Surface Observations 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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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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## 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

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