



Basic Climatological Station Metadata  
Current status

Metadata compiled: 28 JUL 2025

Station: PIRLANGIMPI AIRPORT

Bureau of Meteorology station number: 014142  
Bureau of Meteorology district name: Darwin-Daly  
State: NT

World Meteorological Organization number: 94119  
Identification: YGPT

Network Classification:  
Station purpose: Synoptic  
Automatic Weather Station: Telmet 320



Current Station Location				
Latitude	Decimal	-11.4021	Hour Min Sec	11°24'8"S
Longitude	Decimal	130.4217	Hour Min Sec	130°25'18"E
Station Height	18.3 m	Barometer Height	19.3 m	
Method of station geographic positioning			GPS	

Year opened: 1963  
Status: Open

Station summary

No summary for this site has been written as yet.

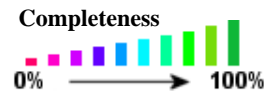
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### Current status

<b>Station:</b> PIRLANGIMPI AIRPORT			<b>Location:</b> PIRLANGIMPI AIRPORT			<b>State:</b> NT	
<b>Bureau No.:</b> 014142		<b>WMO No.:</b> 94119	<b>Aviation ID:</b> YGPT		<b>Opened:</b> 01 Jan 1963	<b>Current Status:</b> Still open	
<b>Latitude:</b> -11.4021		<b>Longitude:</b> 130.4217	<b>Elevation:</b> 18.3 m		<b>Barometer Elev:</b> 19.3 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
GROUND MINIMUM TEMPERATURE	DEC 1998	APR 2004	35.2	364	30
<div> <div>1</div> <div>8</div> <div>5</div> <div>0</div> </div>	<div>1</div> <div>9</div> <div>0</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>2</div> <div>0</div> <div>0</div> <div>0</div>	
MAXIMUM AIR TEMPERATURE	NOV 1979	JUN 2025	91.4	662	25
<div>1</div> <div>8</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>0</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>2</div> <div>0</div> <div>0</div> <div>0</div>	
MAXIMUM WIND GUST SPEED	NOV 1994	JUN 2025	61.6	282	132
<div>1</div> <div>8</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>0</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>2</div> <div>0</div> <div>0</div> <div>0</div>	
WIND RUN ABOVE 10 FEET	JAN 2006	JUN 2025	96.1	242	1
<div>1</div> <div>8</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>0</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>2</div> <div>0</div> <div>0</div> <div>0</div>	
RAINFALL	NOV 1963	JUL 2025	87	N/A	N/A
<div>1</div> <div>8</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>0</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>1</div> <div>9</div> <div>5</div> <div>0</div>	<div>2</div> <div>0</div> <div>0</div> <div>0</div>	

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Current status

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Bureau No.: 014142	WMO No.: 94119	Aviation ID: YGPT	Opened: 01 Jan 1963	Current Status: Still open	
Latitude: -11.4021	Longitude: 130.4217	Elevation: 18.3 m	Barometer Elev: 19.3 m	Metadata compiled: 28 JUL 2025	

HOURLY DATA HOLDINGS - from 1 to 24 observations per day

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
AIR TEMPERATURE	NOV 1979	JUN 2025	92.1	12.2	256	23
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
DEW POINT	NOV 1979	JUN 2025	88.1	12.3	309	43
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
MEAN SEA LEVEL PRESSURE	NOV 1979	JUN 2025	91.8	12.2	279	24
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
TOTAL CLOUD AMOUNT	NOV 1979	DEC 2008	78.3	4.1	203	58
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
WIND SPEED	NOV 1979	JUN 2025	92.1	12.2	255	23
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
UPPER AIR TEMPERATURE	JAN 2006	FEB 2006	40.6	7.0	34	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
UPPER AIR WIND SPEED	JAN 2006	FEB 2006	40.6	7.0	34	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	

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

## RAINFALL INTENSITY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	SINGLE DAYS MISSED	FULL MONTHS MISSED
RAINFALL INTENSITY	FEB 1997	NOV 2016	55.1	116	103
1	1	1	2		
8	9	9	0		
5	0	5	0		
0	0	0	0		

## ONE-MINUTE DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	FEB 2010	JUL 2025	99.0	1426.2	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	JAN 2006	JUL 2025	89.6	43.0	N/A	1

## 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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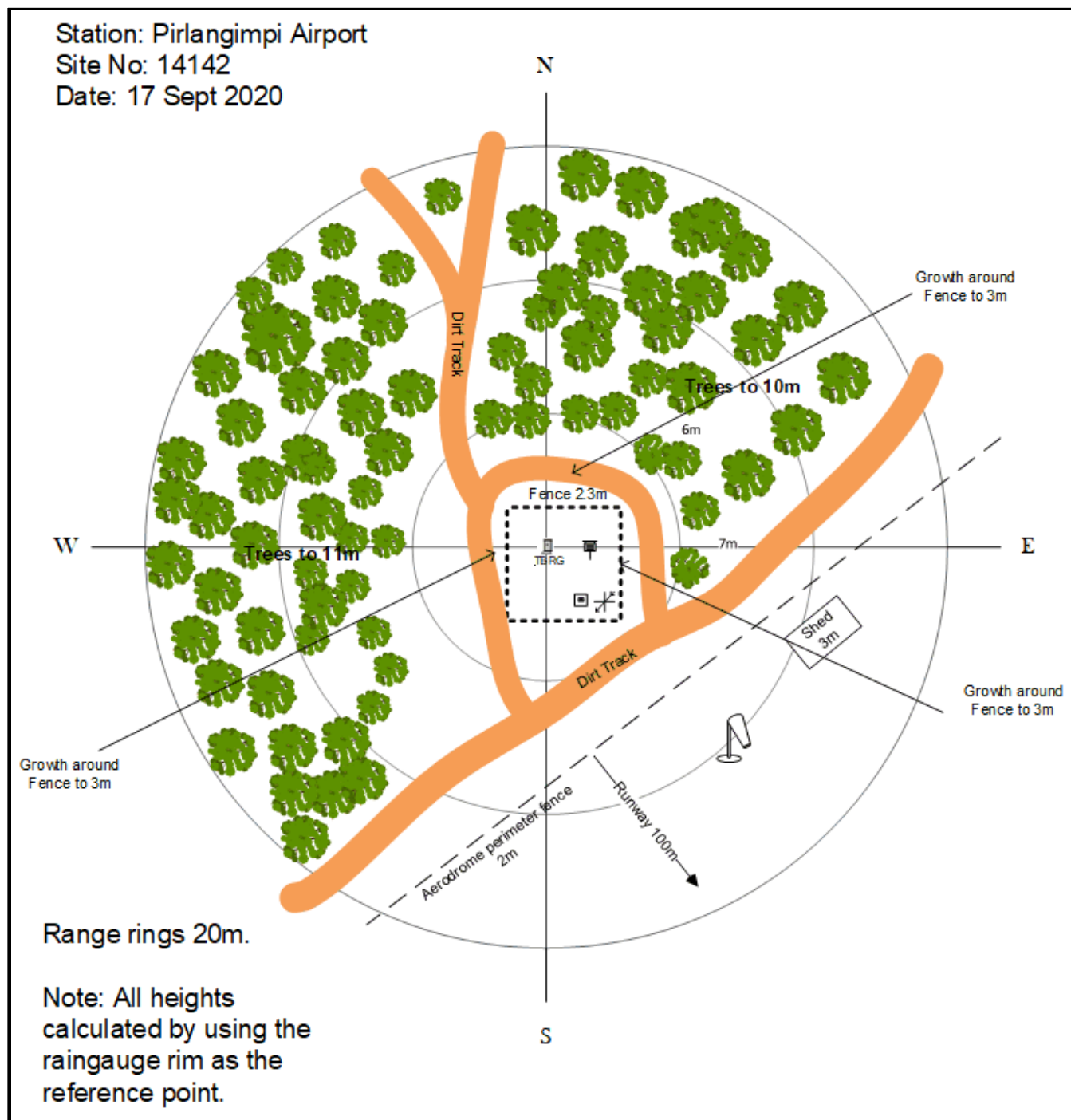
## Extended Climatological Station Metadata

All History

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### Instrument Location and Surrounding Features

17/09/2020(most recent)



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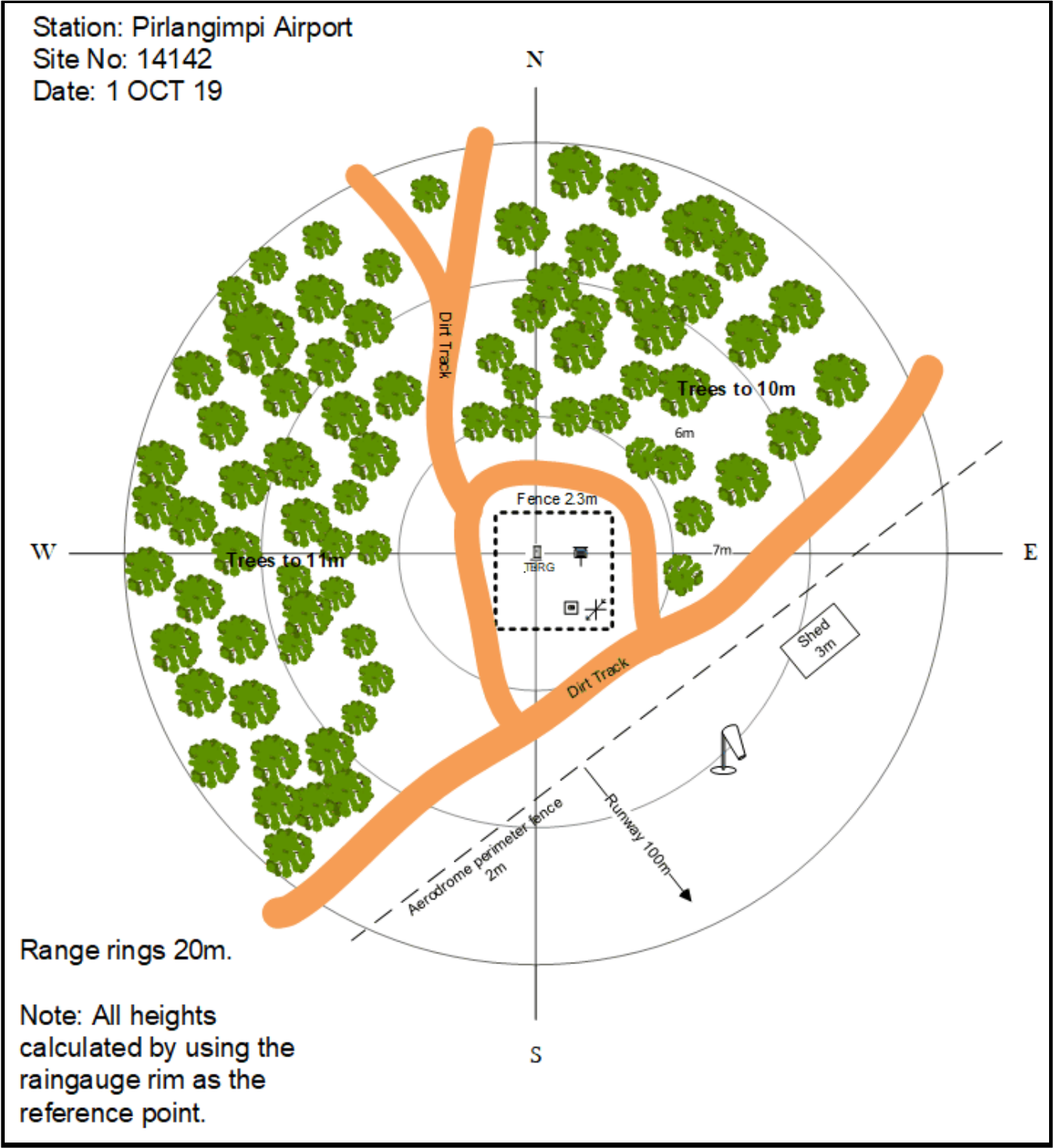
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All History

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Instrument Location and Surrounding Features  
01/10/2019



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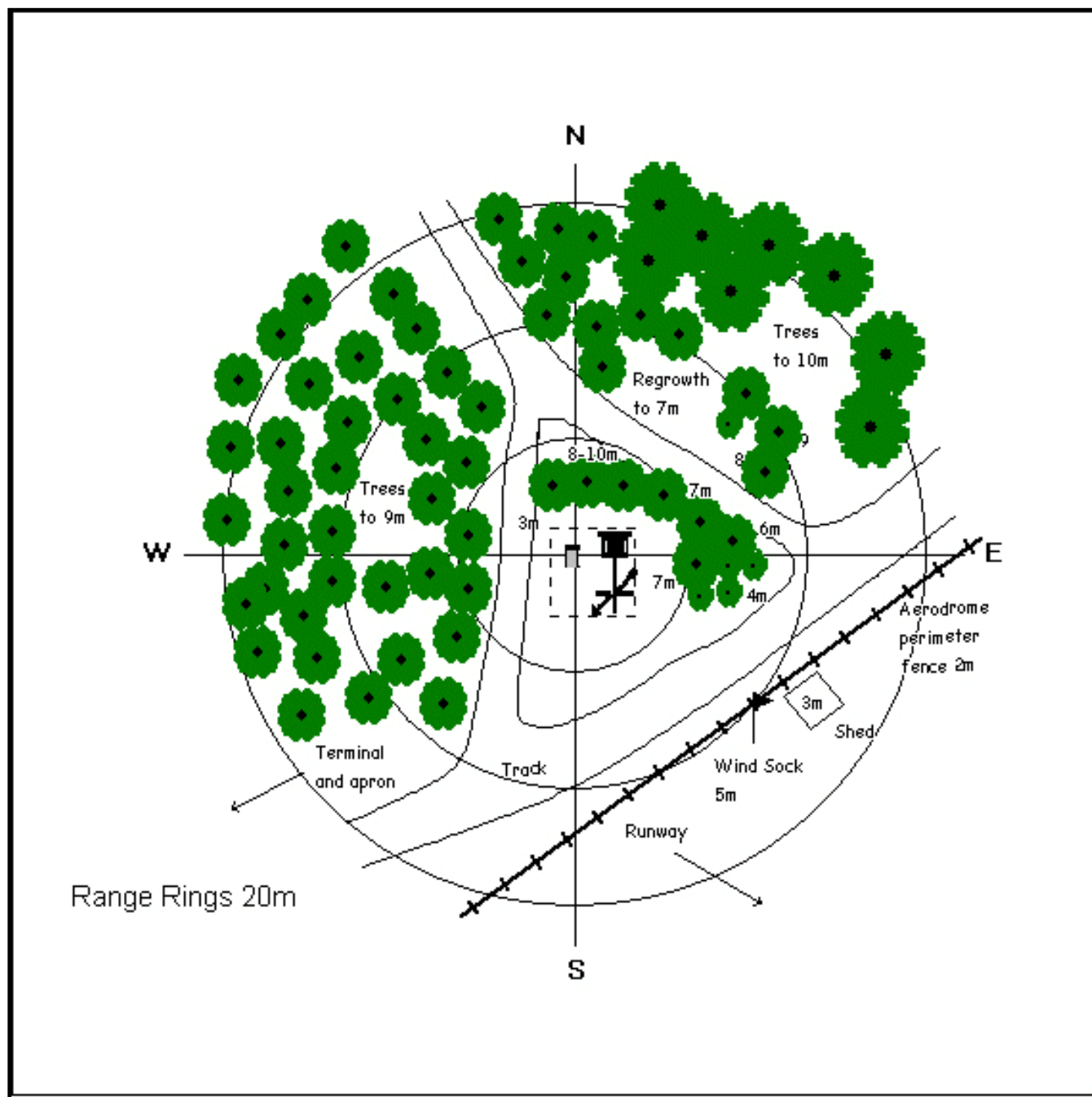
## Extended Climatological Station Metadata

All History

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### Instrument Location and Surrounding Features

25/07/2018



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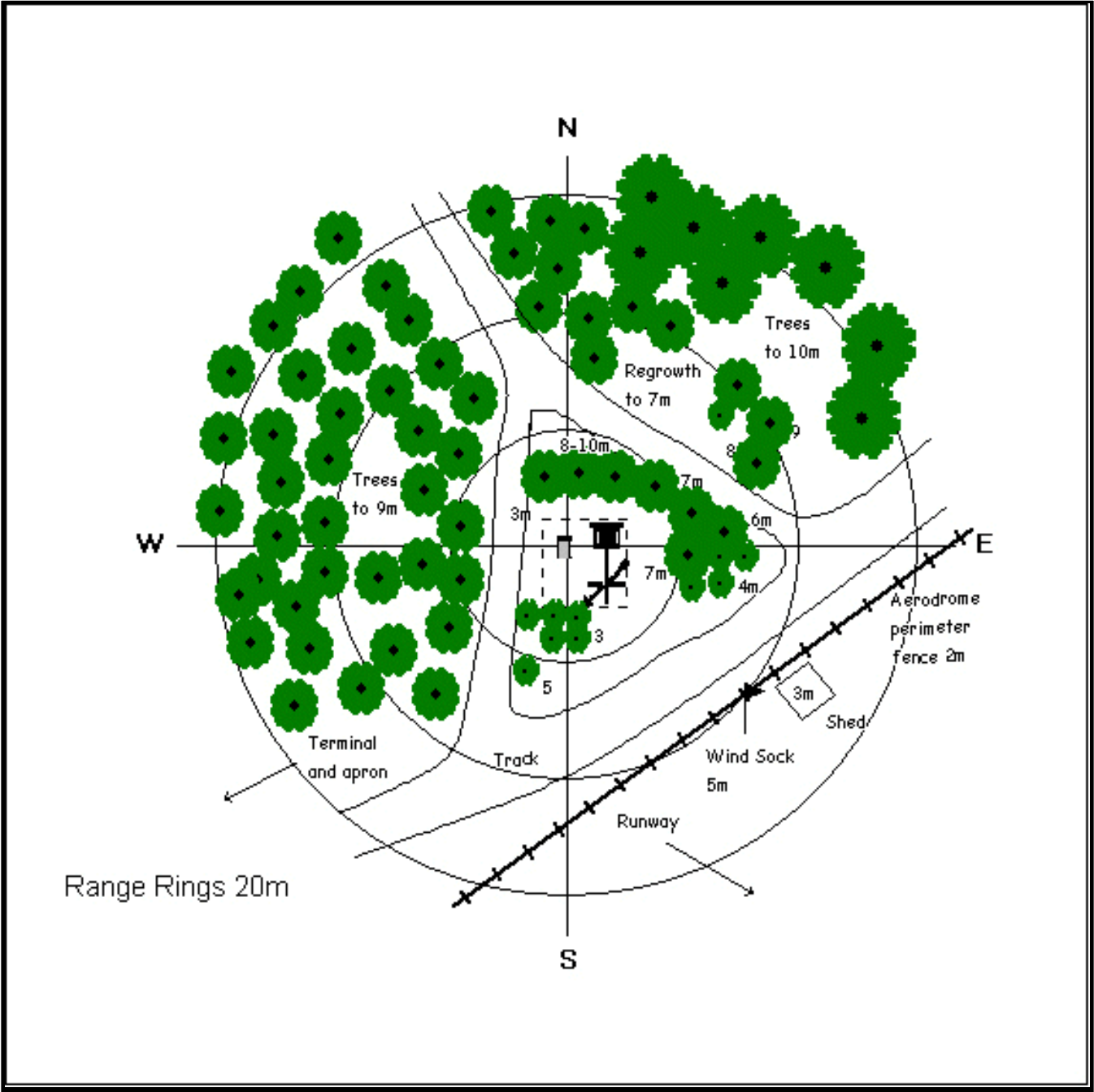




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All History

Station:	PIRLANGIMPI AIRPORT		Location:	PIRLANGIMPI AIRPORT		State:	NT
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Instrument Location and Surrounding Features  
14/12/2017



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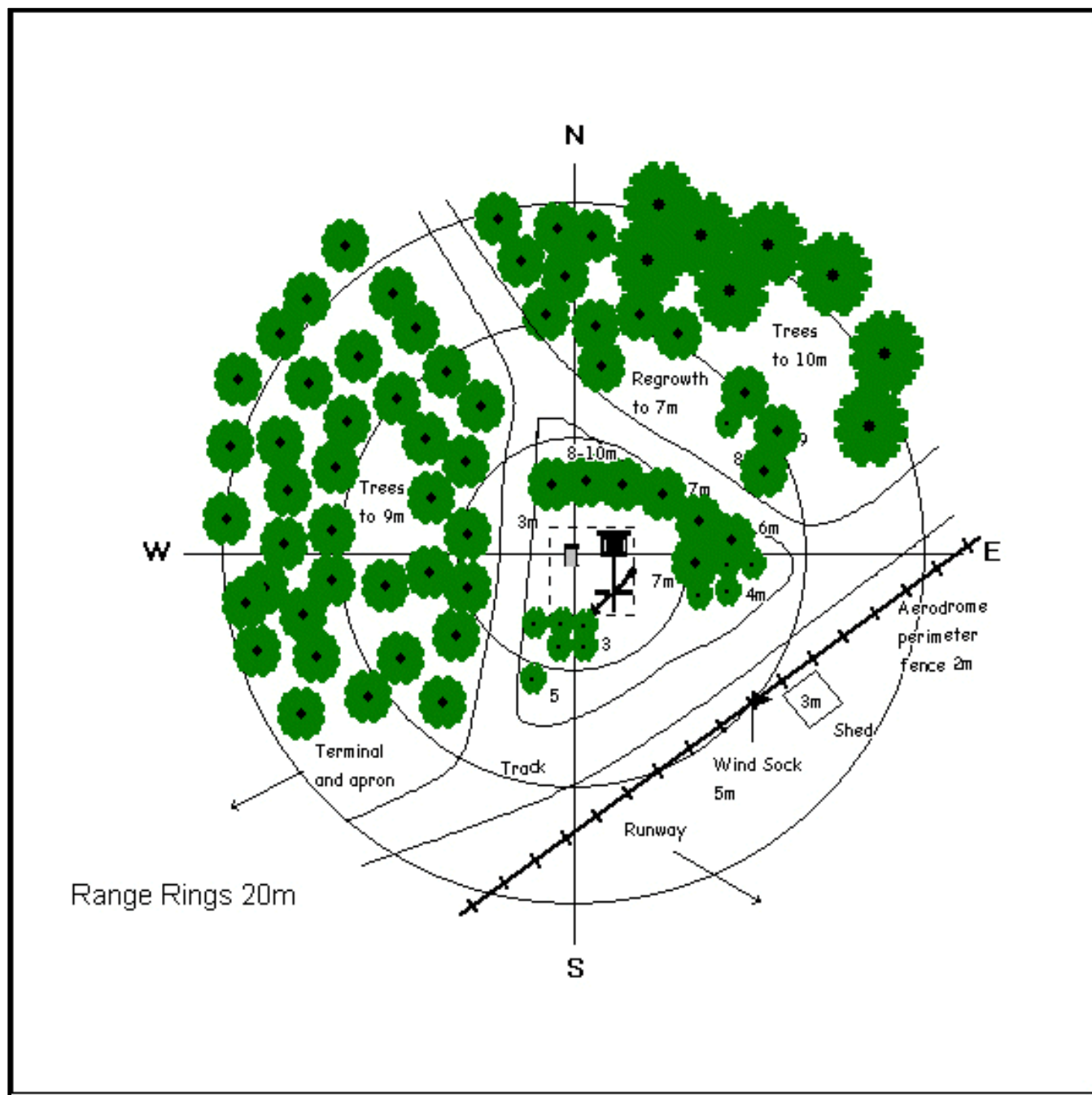
## Extended Climatological Station Metadata

All History

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### Instrument Location and Surrounding Features

30/11/2016



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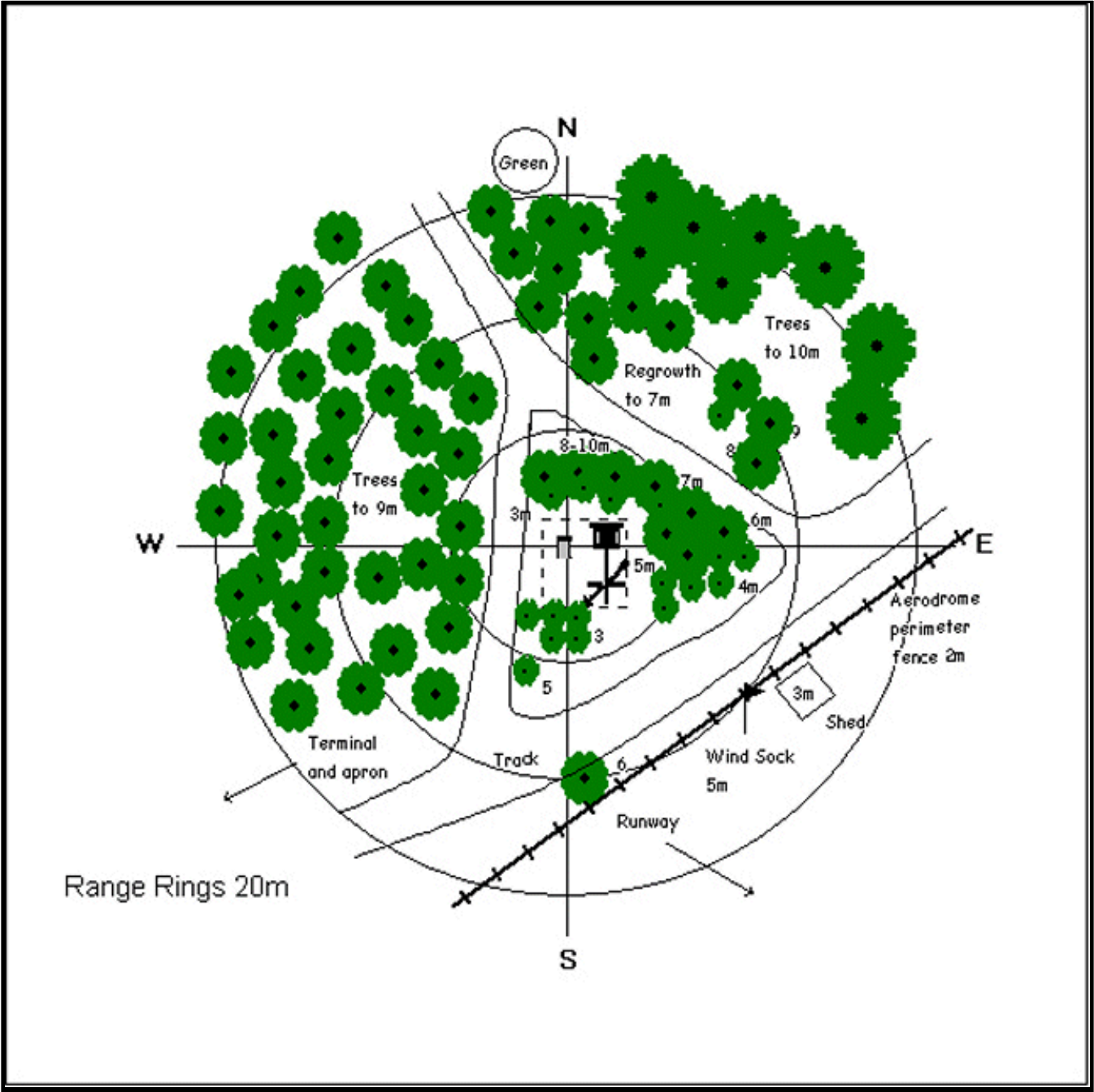
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All History

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Instrument Location and Surrounding Features  
25/11/2015



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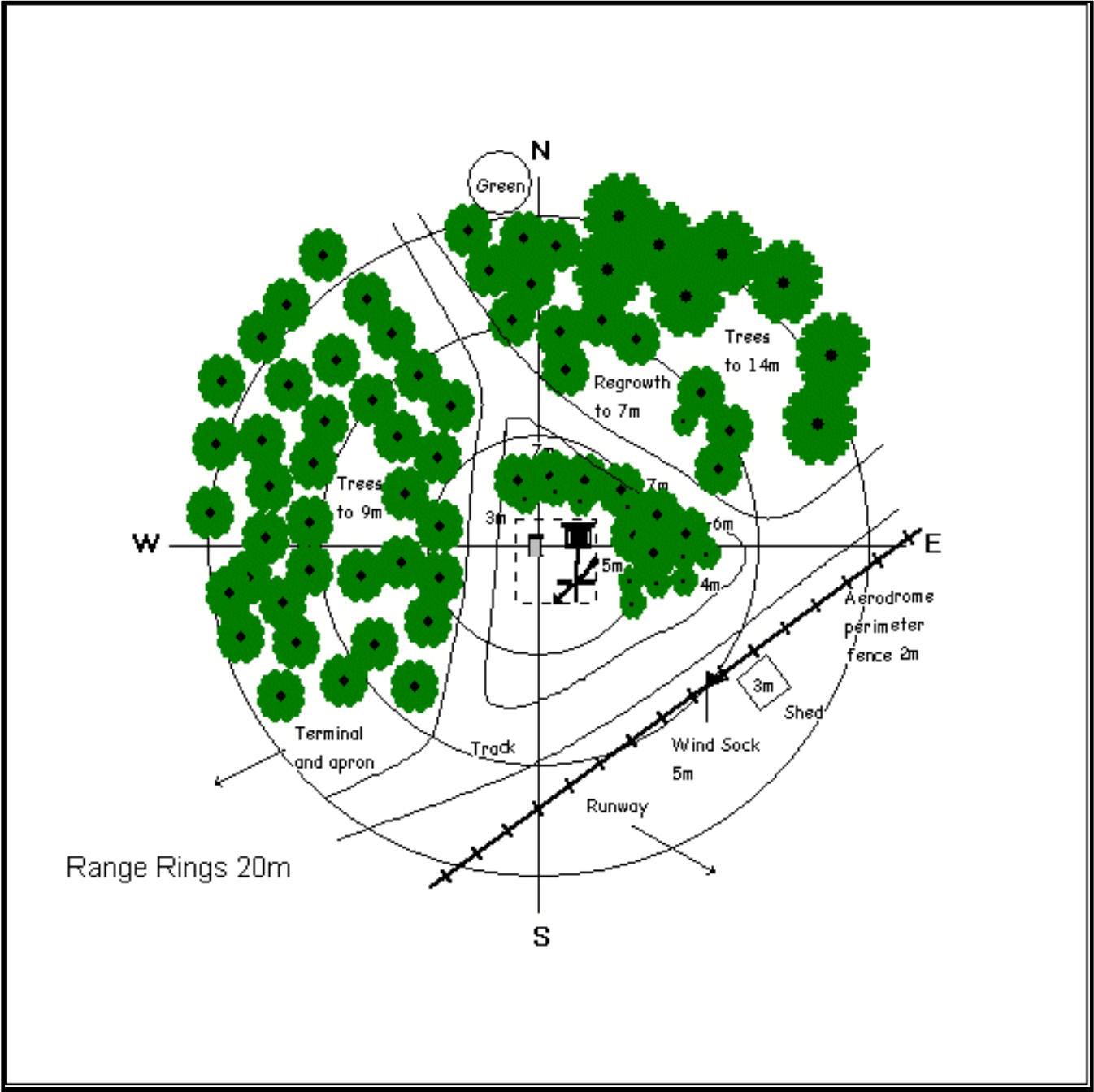
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Instrument Location and Surrounding Features  
26/09/2012



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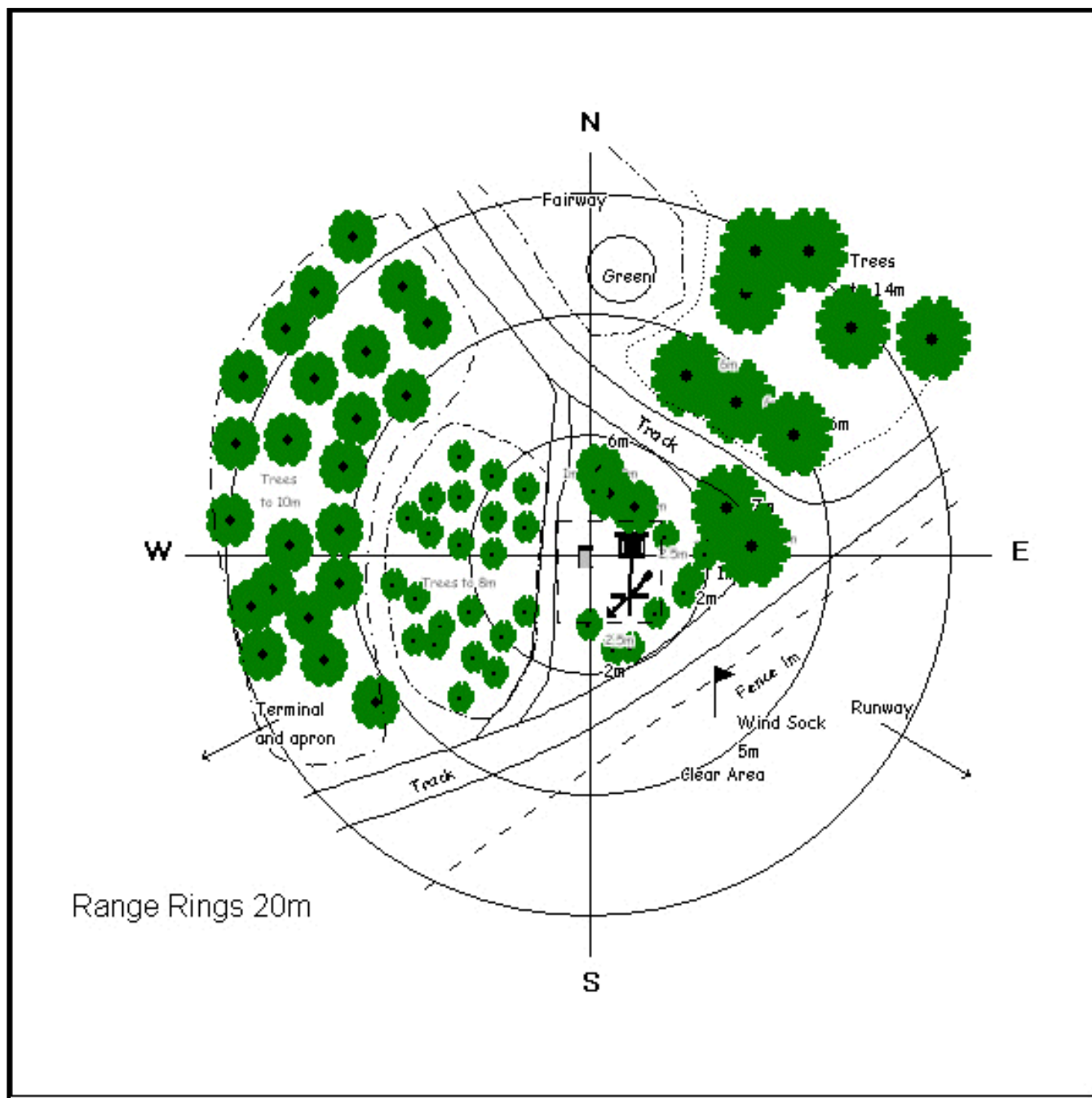
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All History

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### Instrument Location and Surrounding Features

20/04/2011



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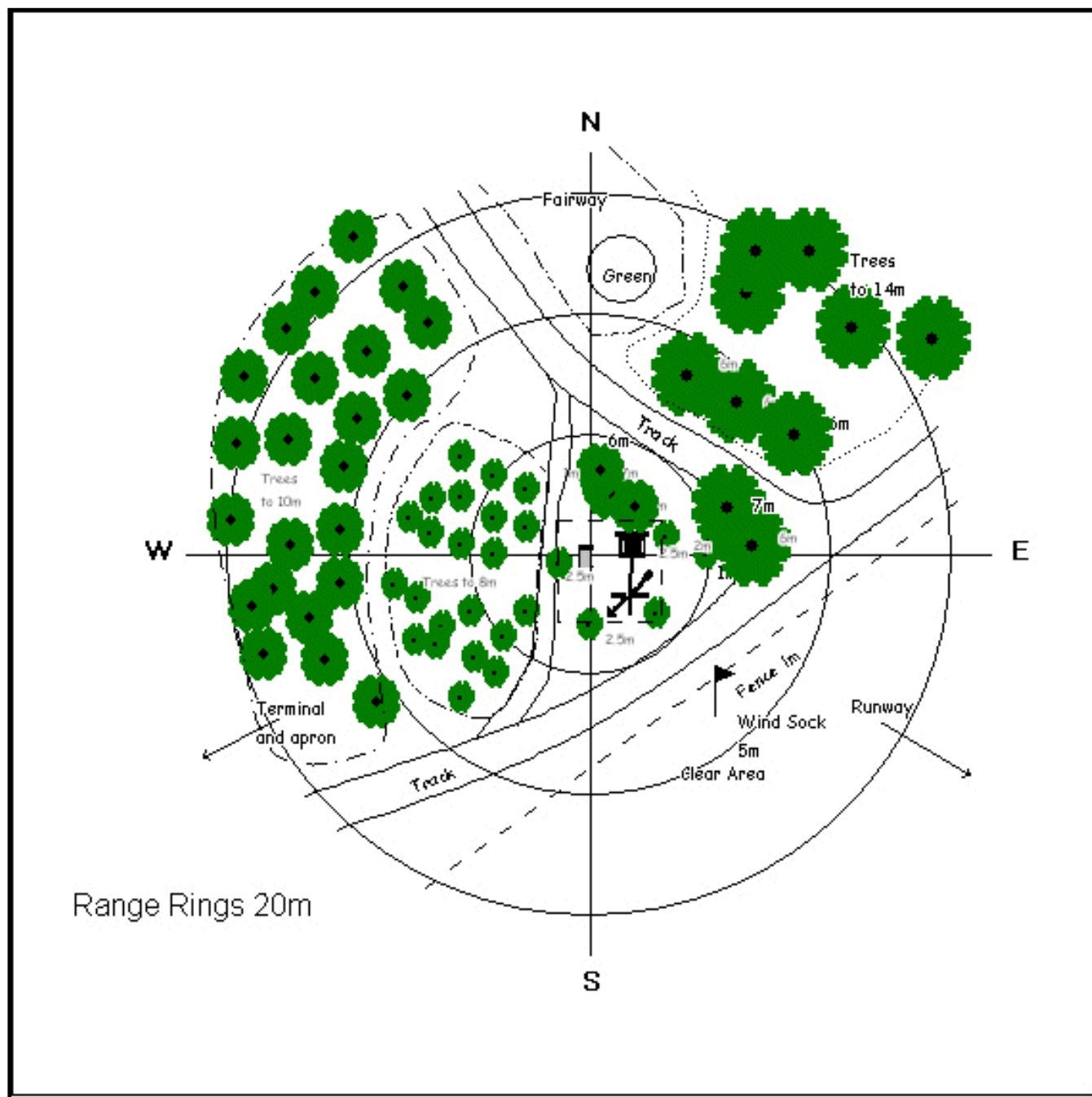
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### Instrument Location and Surrounding Features

09/09/2010



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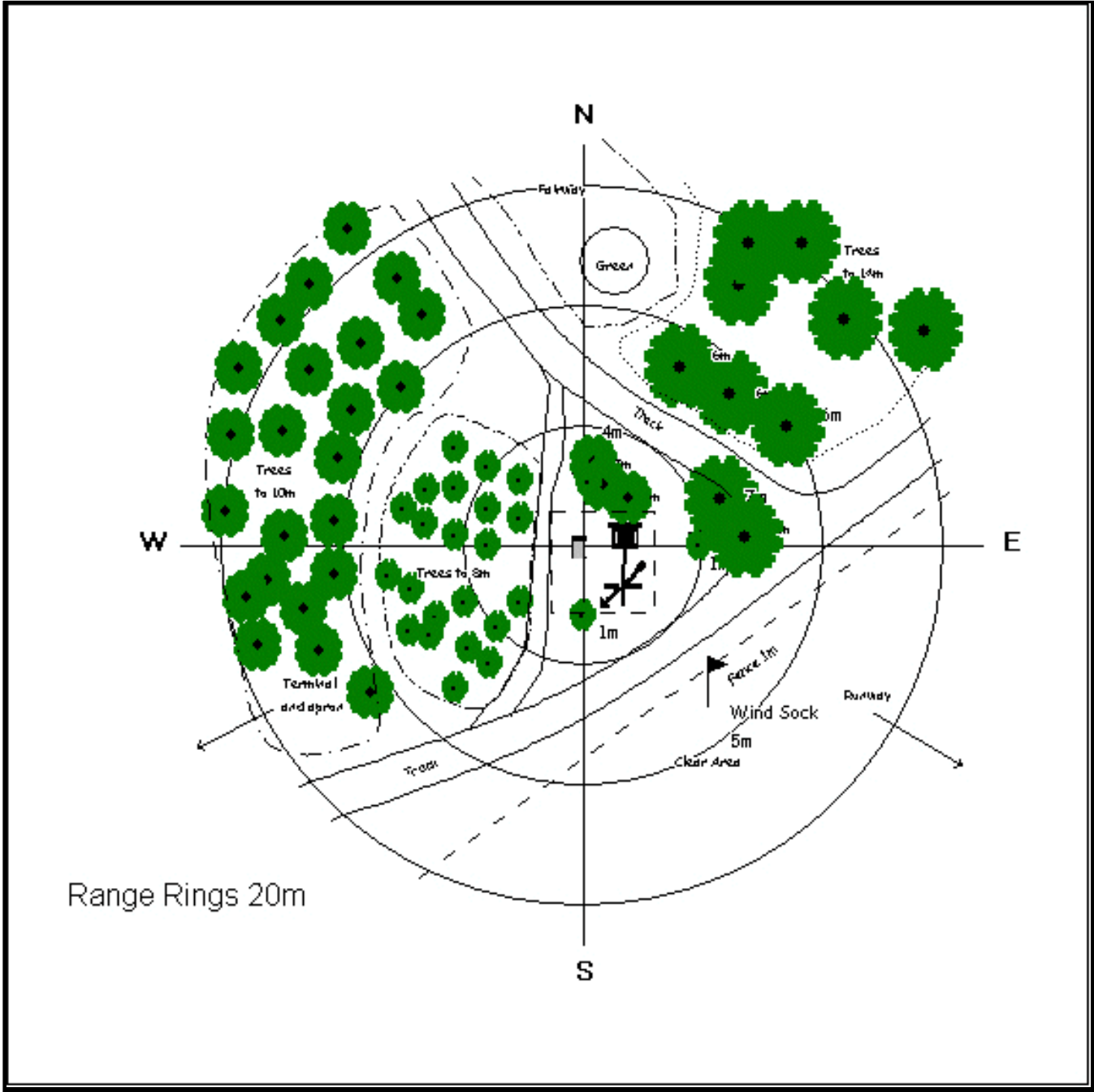




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Instrument Location and Surrounding Features  
07/03/2008



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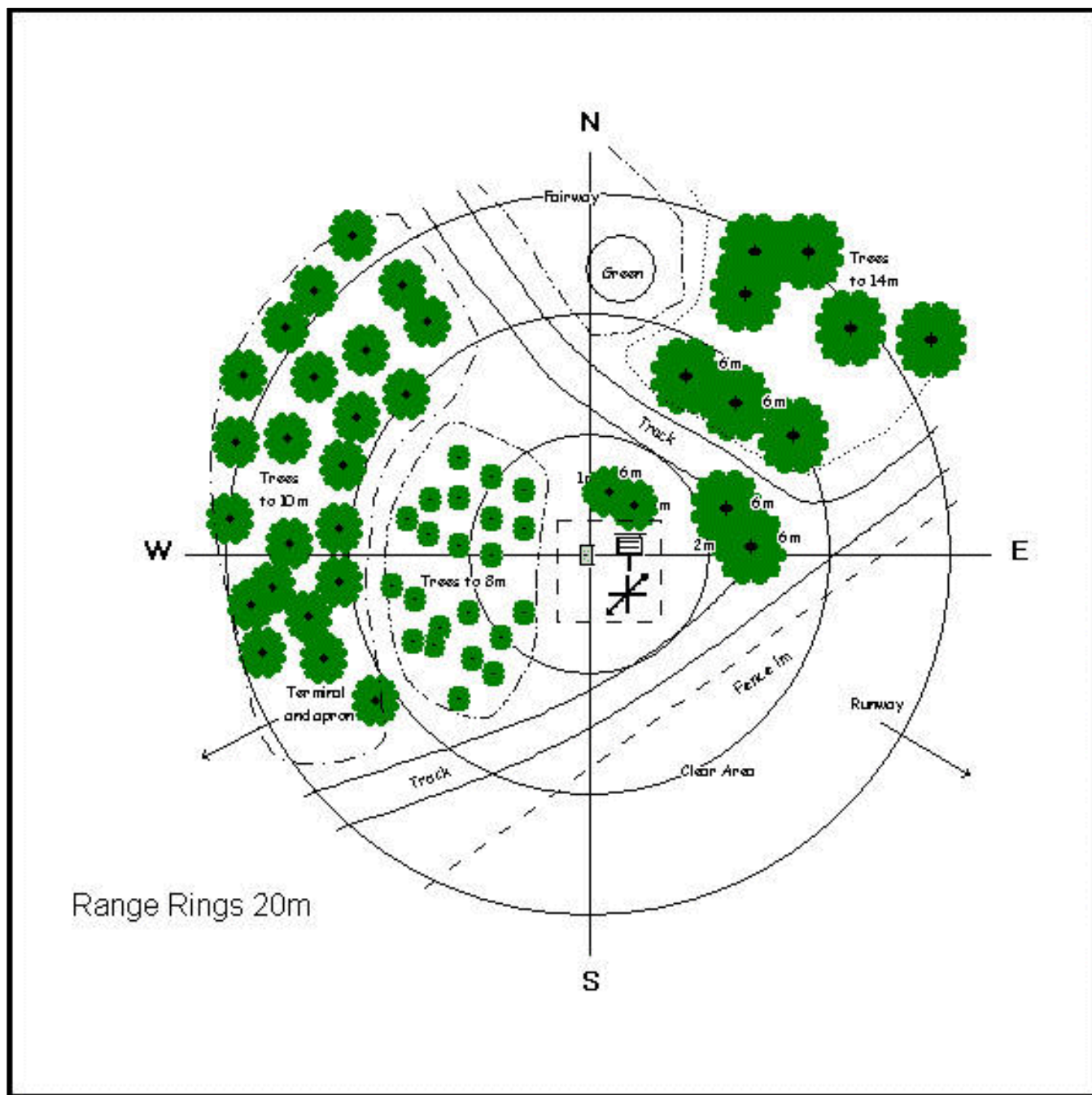
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### Instrument Location and Surrounding Features

28/03/2007



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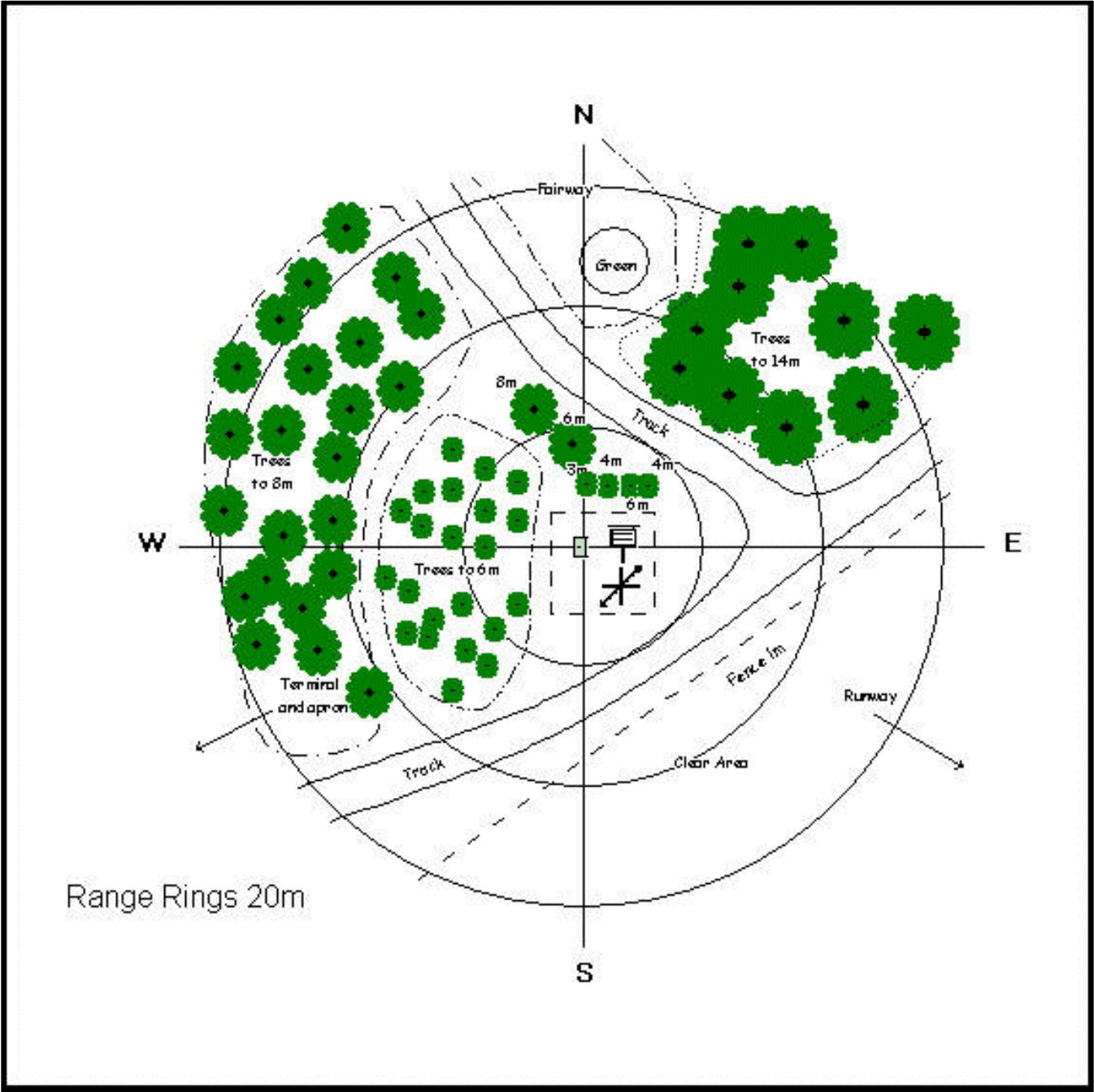
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All History

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Bureau No.:	014142	WMO No.:	94119	Aviation ID:	YGPT	Opened:	01 Jan 1963
Latitude:	-11.4021	Longitude:	130.4217	Elevation:	18.3 m	Barometer Elev:	19.3 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
13/01/2006



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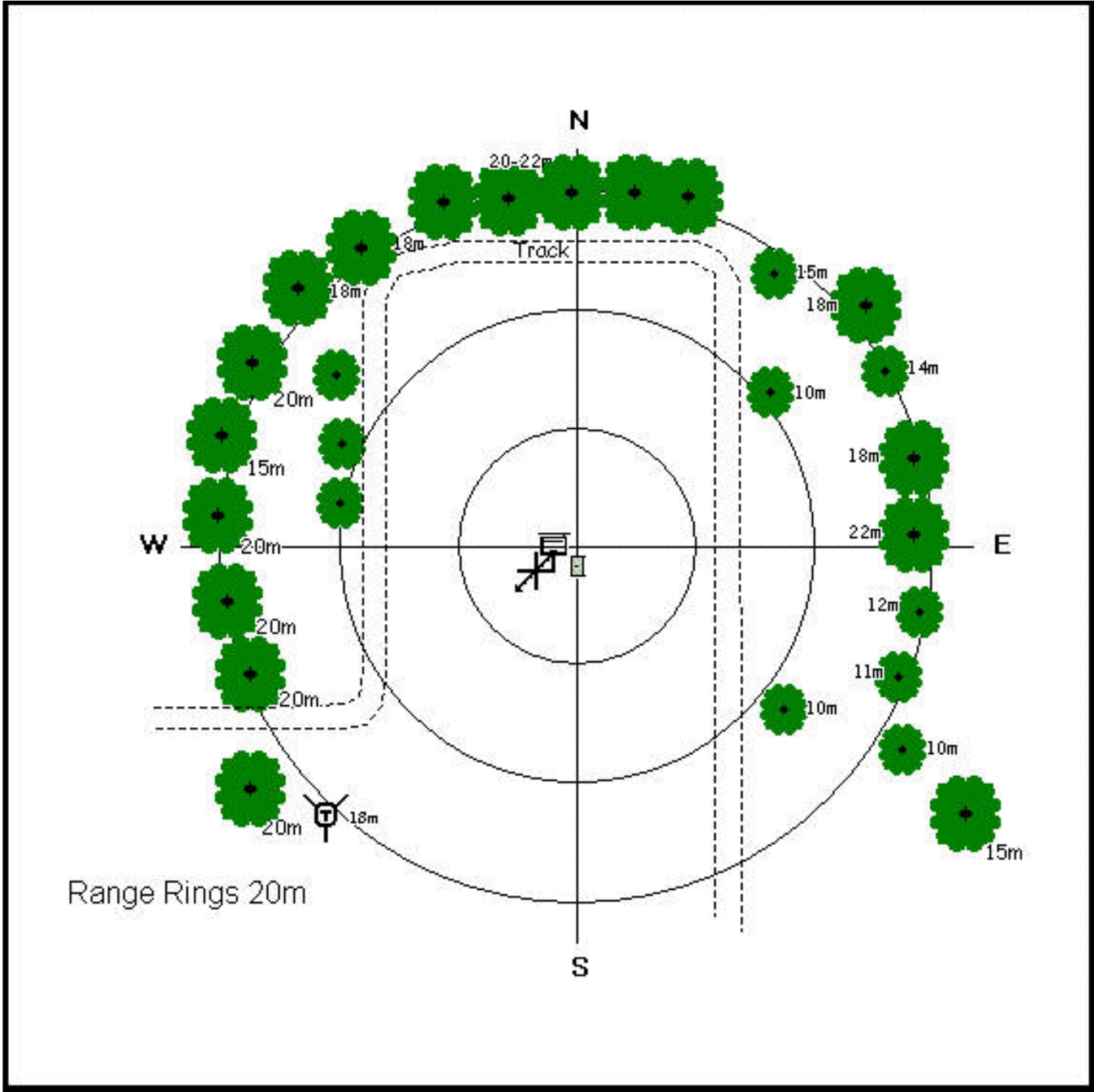
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Extended Climatological Station Metadata  
All History

Station:	PIRLANGIMPI AIRPORT		Location:	PIRLANGIMPI AIRPORT		State:	NT
Bureau No.:	014142	WMO No.:	94119	Aviation ID:	YGPT	Opened:	01 Jan 1963
Latitude:	-11.4021	Longitude:	130.4217	Elevation:	18.3 m	Barometer Elev:	19.3 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
04/04/2005



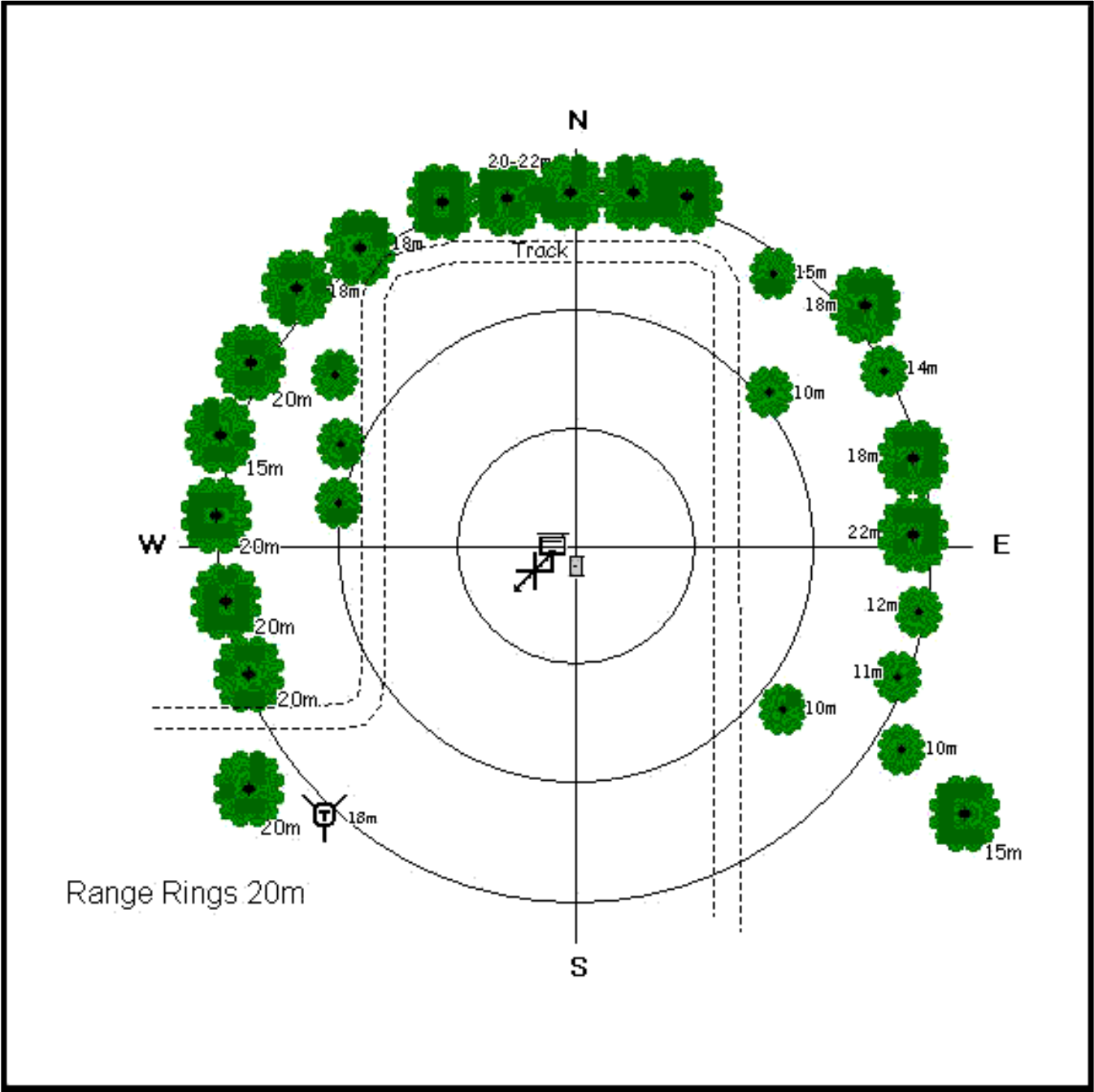
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Extended Climatological Station Metadata  
All History

Station:	PIRLANGIMPI AIRPORT		Location:	PIRLANGIMPI AIRPORT		State:	NT
Bureau No.:	014142	WMO No.:	94119	Aviation ID:	YGPT	Opened:	01 Jan 1963
Latitude:	-11.4021	Longitude:	130.4217	Elevation:	18.3 m	Barometer Elev:	19.3 m
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						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features  
19/02/2004



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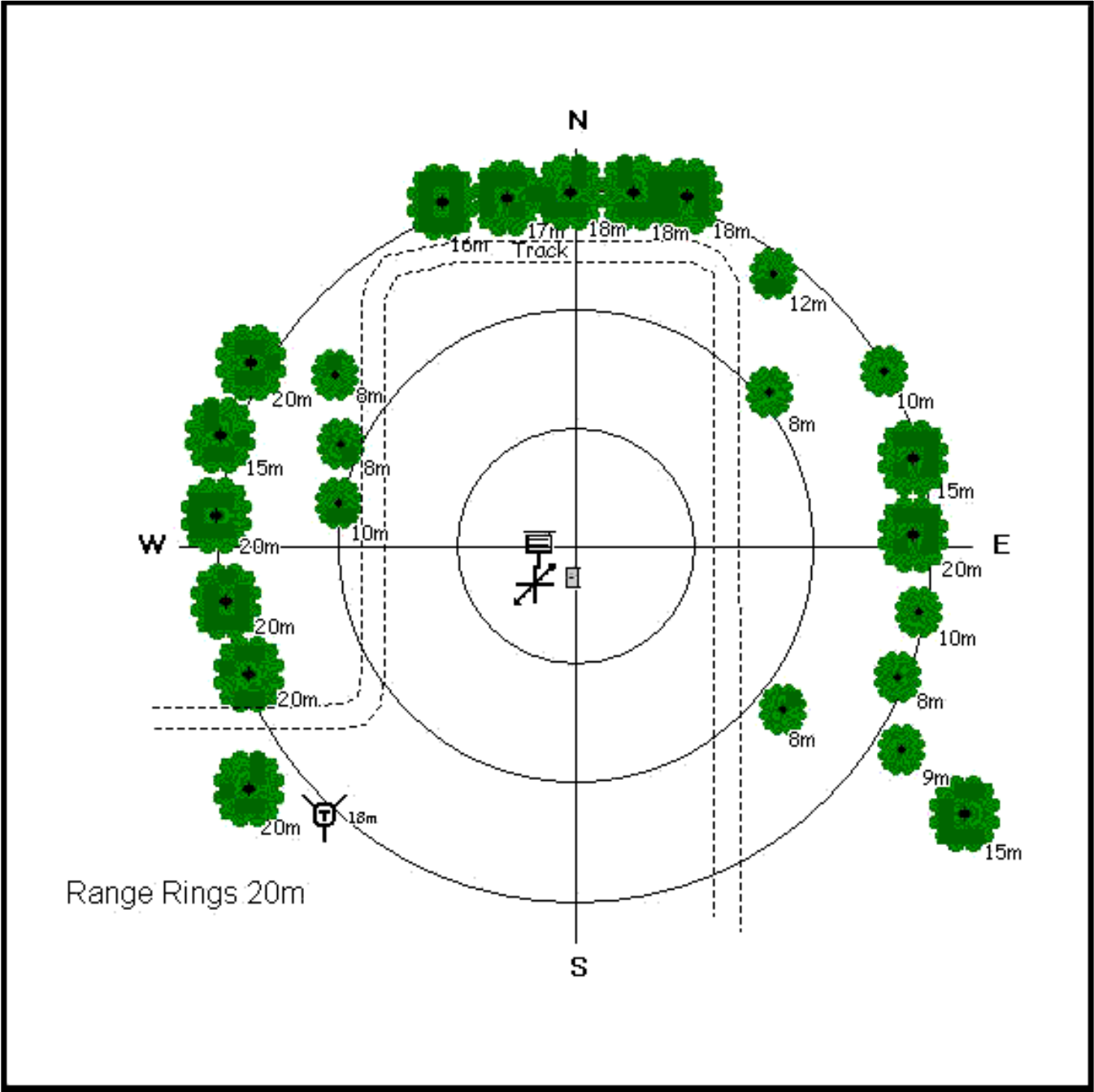
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Extended Climatological Station Metadata  
All History

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Metadata compiled:							28 JUL 2025

Instrument Location and Surrounding Features  
22/08/2002



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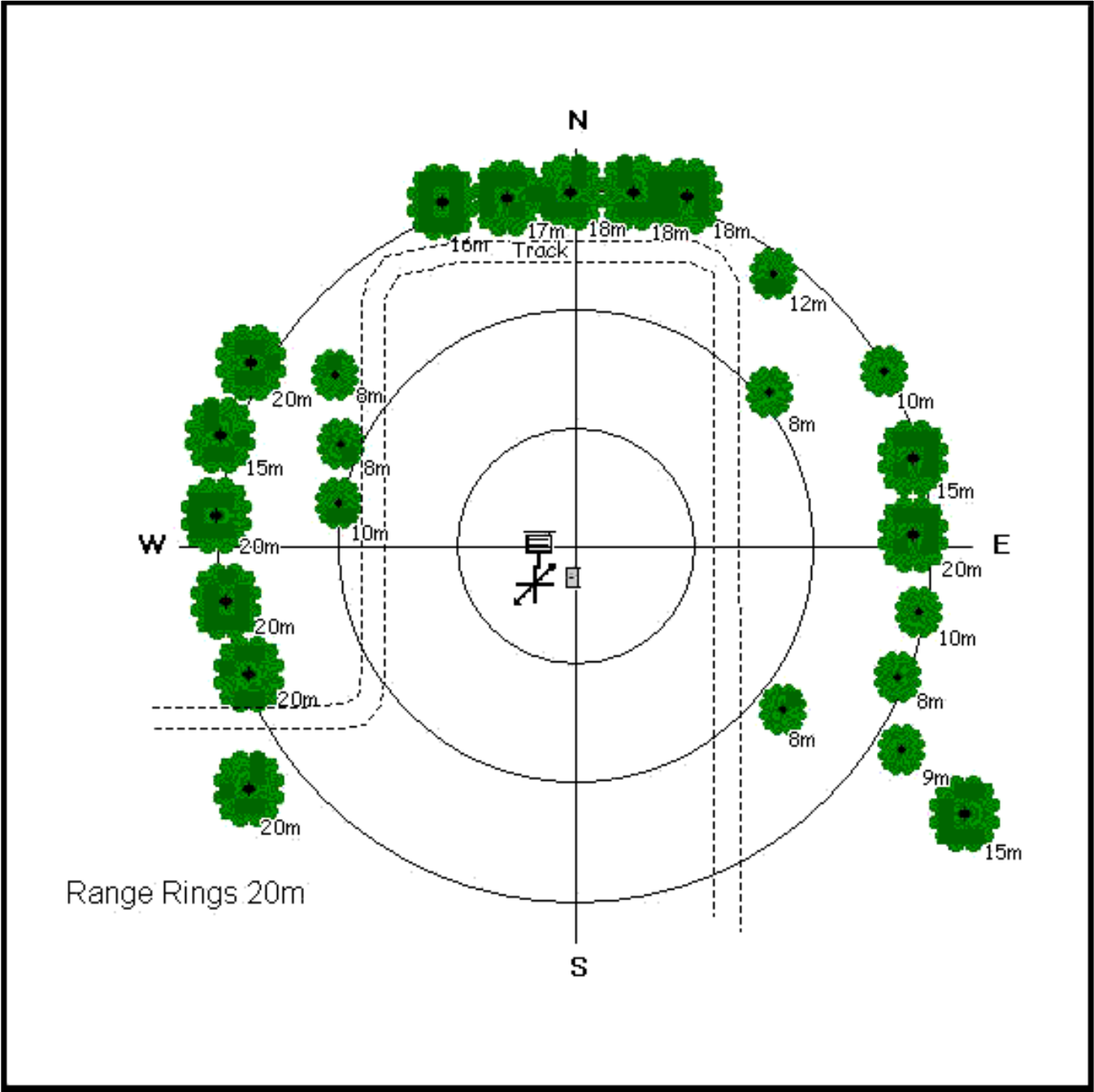




Extended Climatological Station Metadata  
All History

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Instrument Location and Surrounding Features  
02/11/2001



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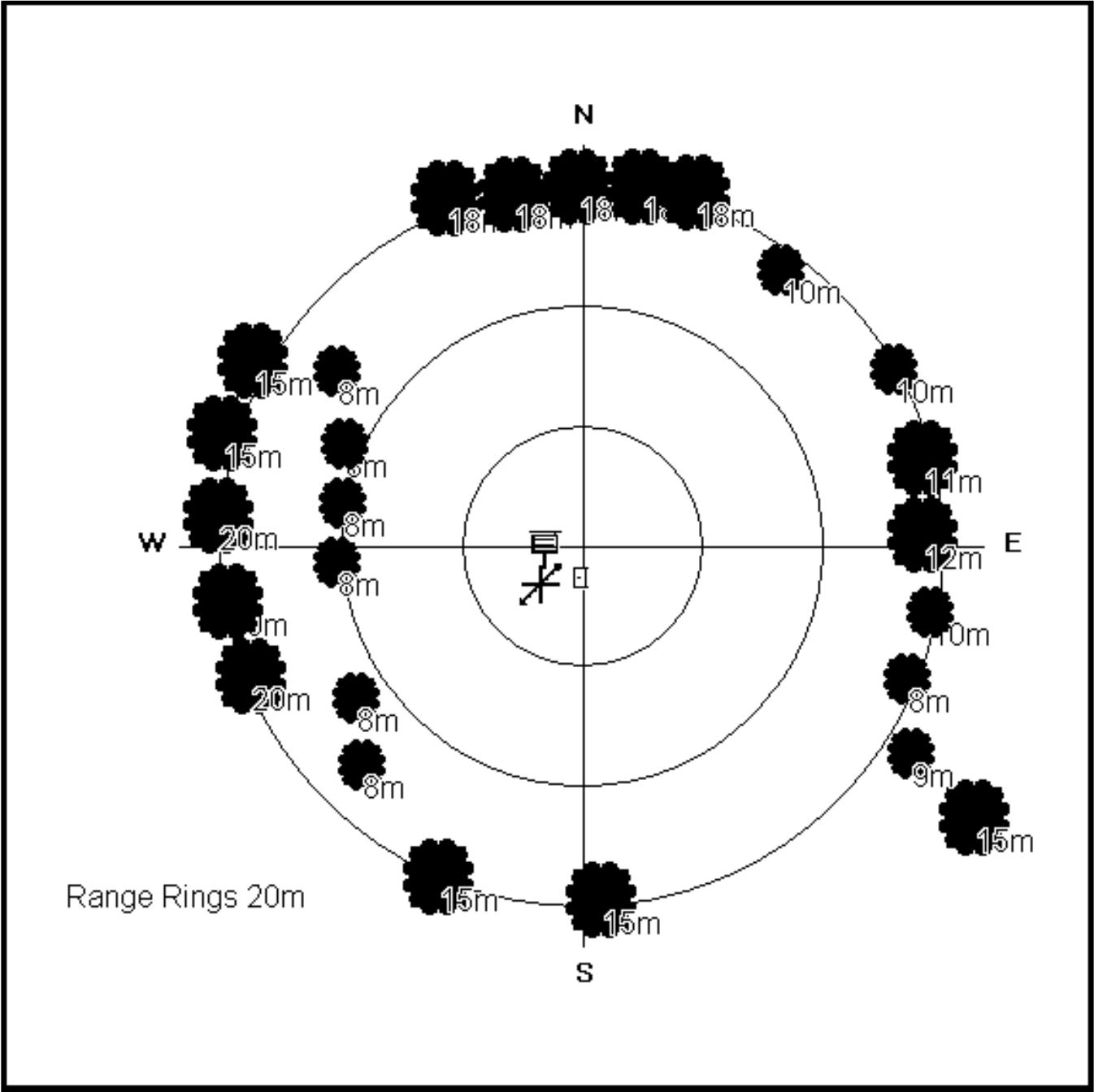




Extended Climatological Station Metadata  
All History

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Instrument Location and Surrounding Features  
14/12/2000



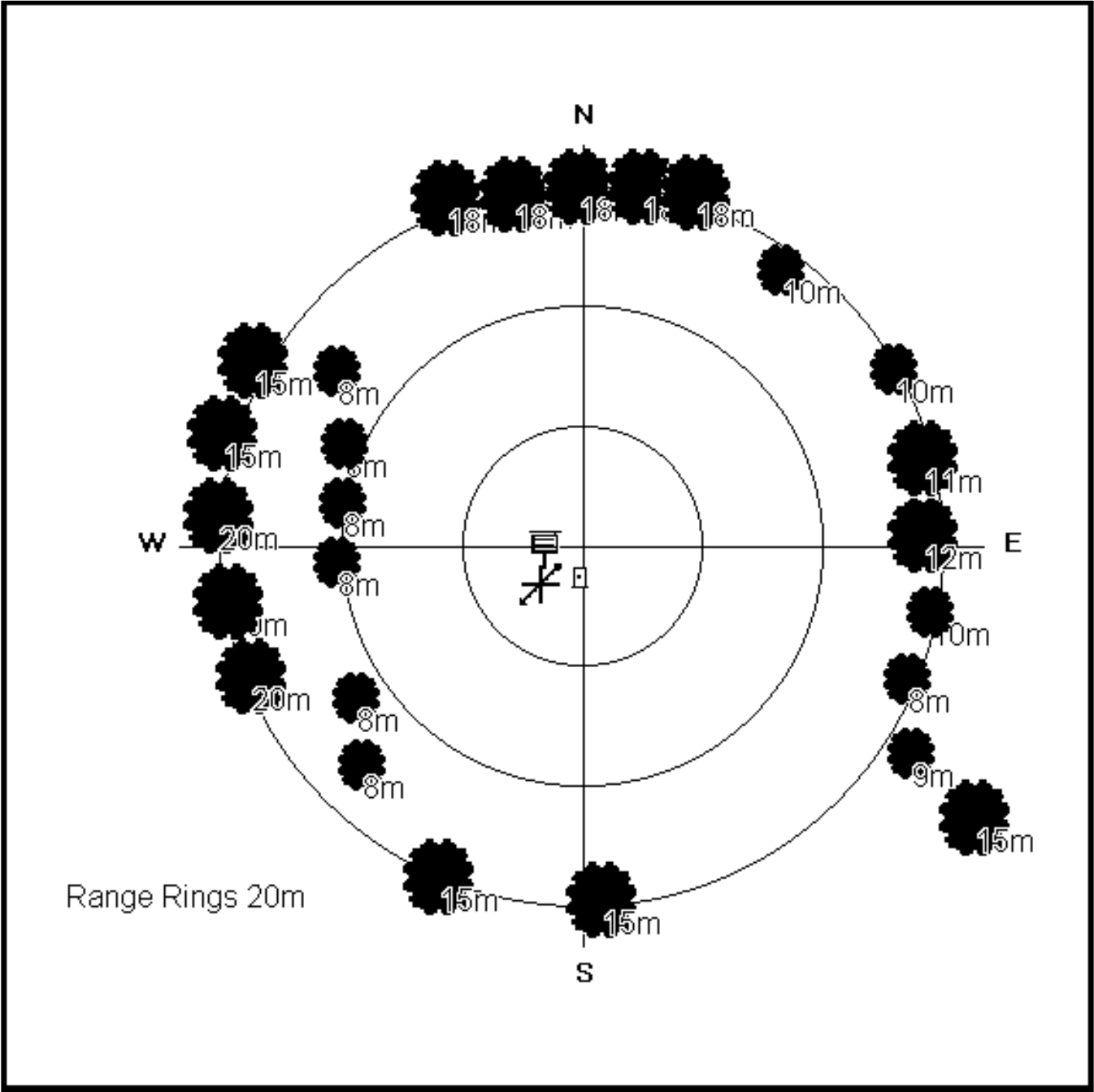
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Instrument Location and Surrounding Features  
11/11/1999



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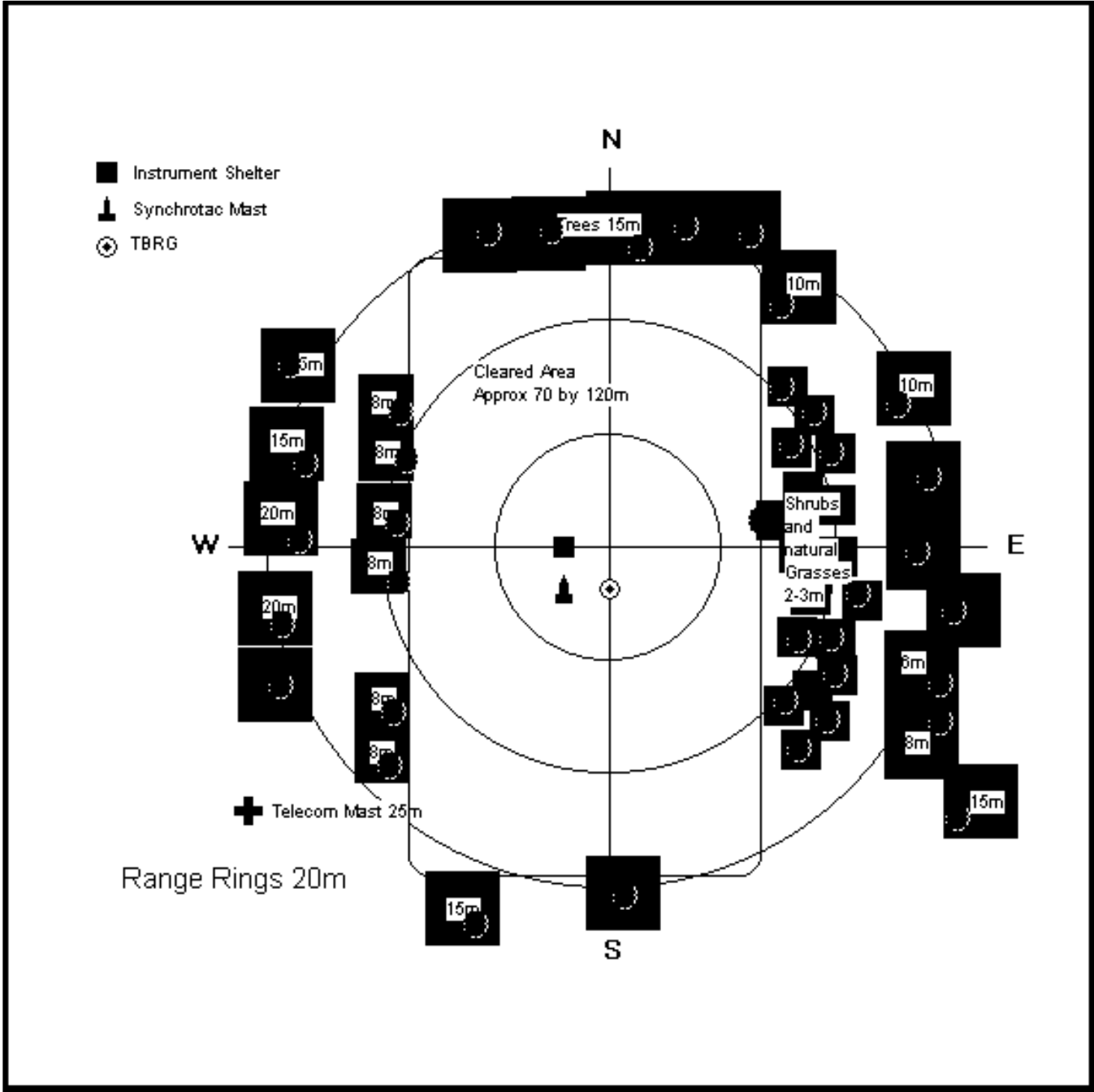
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Extended Climatological Station Metadata  
All History

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Instrument Location and Surrounding Features  
01/12/1998



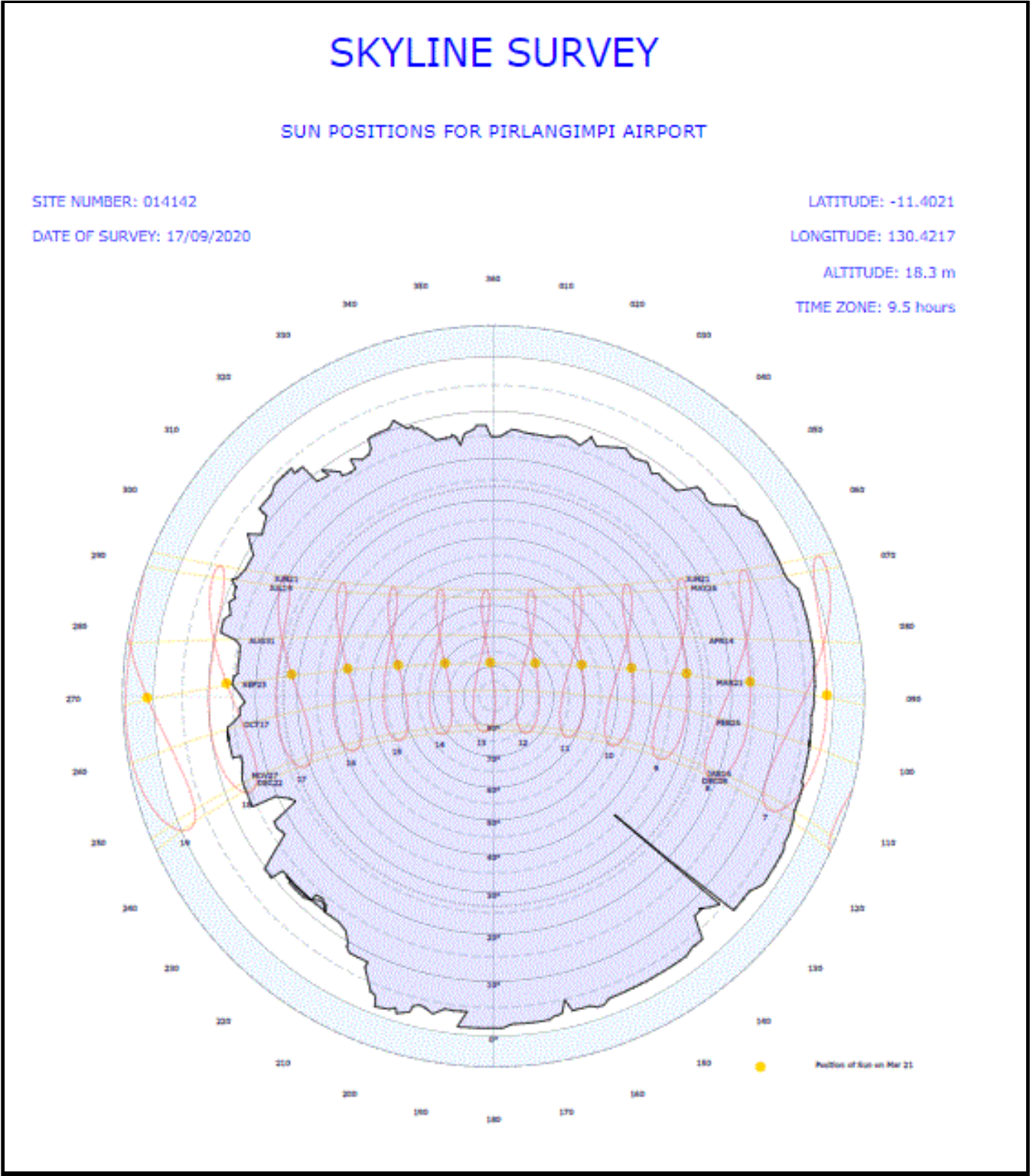
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Extended Climatological Station Metadata  
All History

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Skyline Diagram  
17/09/2020(most recent)



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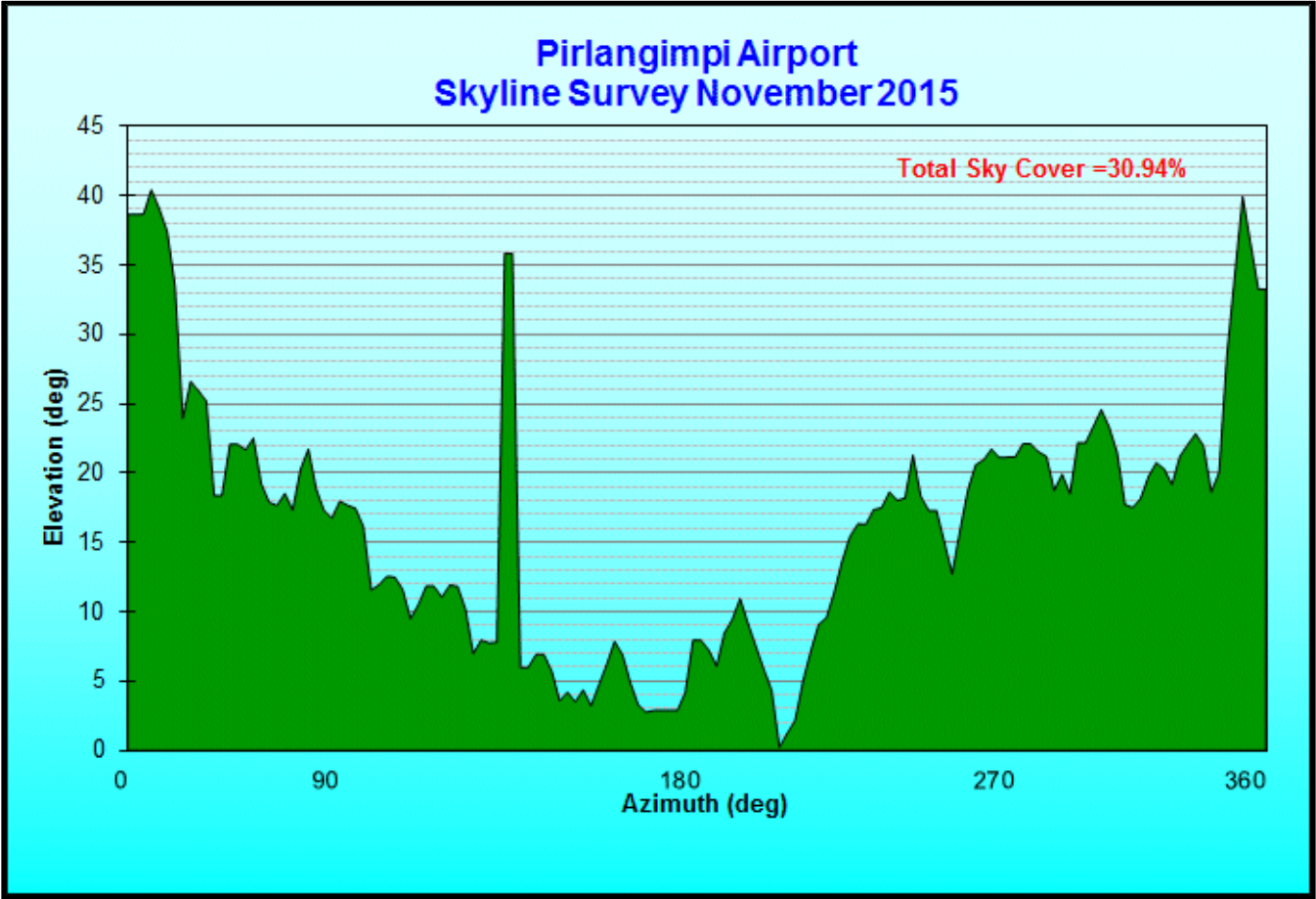
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Extended Climatological Station Metadata  
All History

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Skyline Diagram  
25/11/2015



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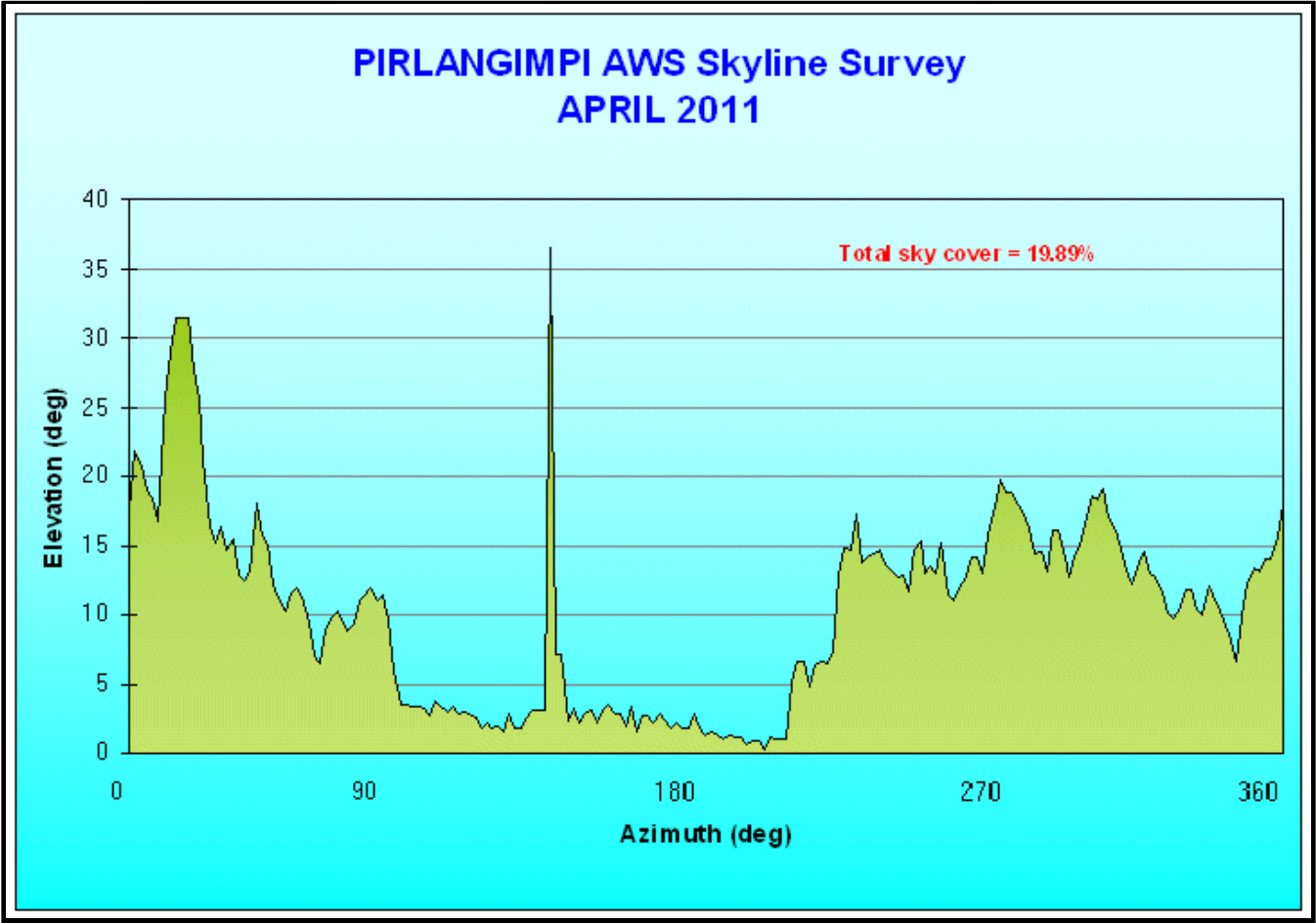
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Extended Climatological Station Metadata  
All History

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

Skyline Diagram  
20/04/2011



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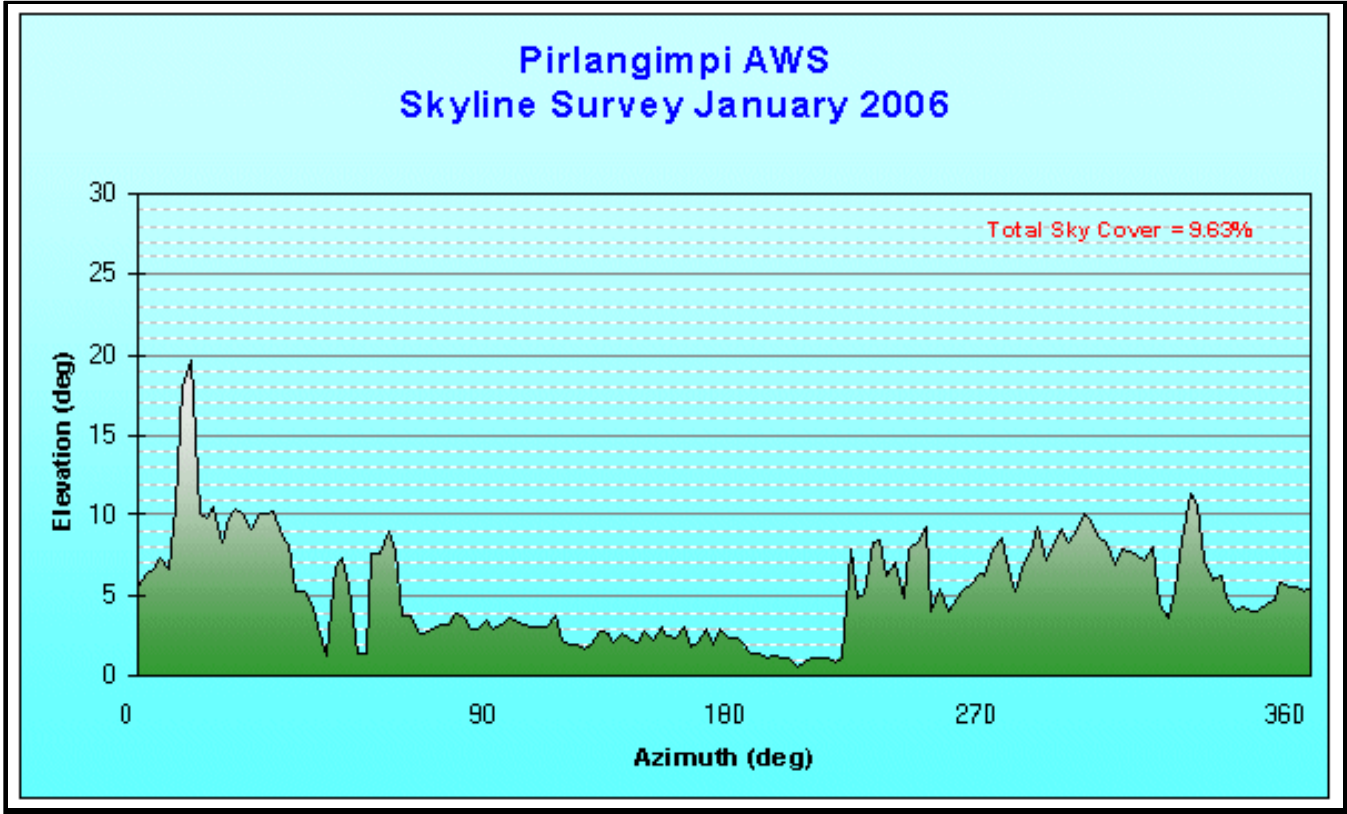




Extended Climatological Station Metadata  
All History

<b>Station:</b>	PIRLANGIMPI AIRPORT		<b>Location:</b>	PIRLANGIMPI AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014142	<b>WMO No.:</b>	94119	<b>Aviation ID:</b>	YGPT	<b>Opened:</b>	01 Jan 1963
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						<b>Current Status:</b>	Still open
						<b>Metadata compiled:</b>	28 JUL 2025

Skyline Diagram  
13/01/2006



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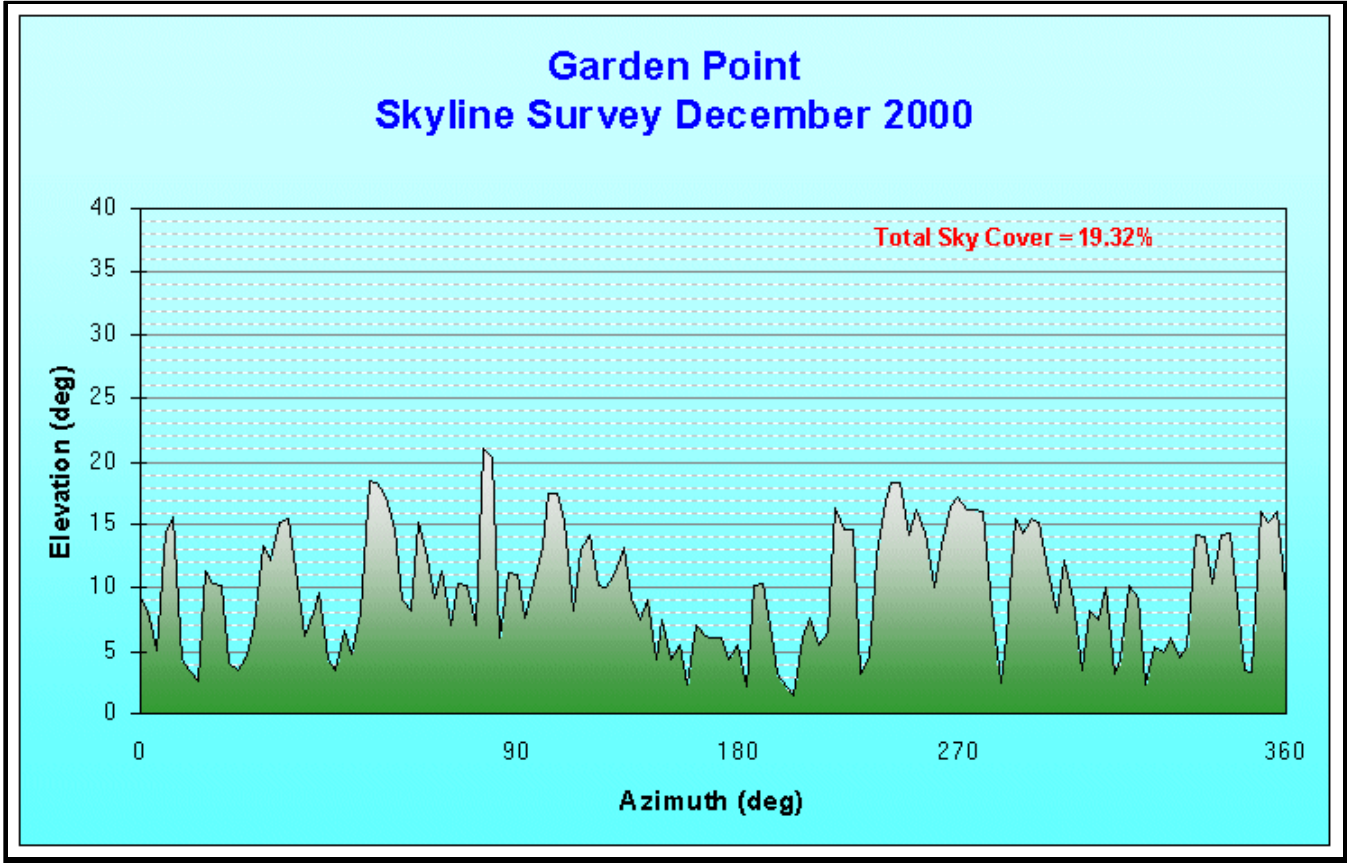
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Extended Climatological Station Metadata  
All History

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

Skyline Diagram  
14/12/2000



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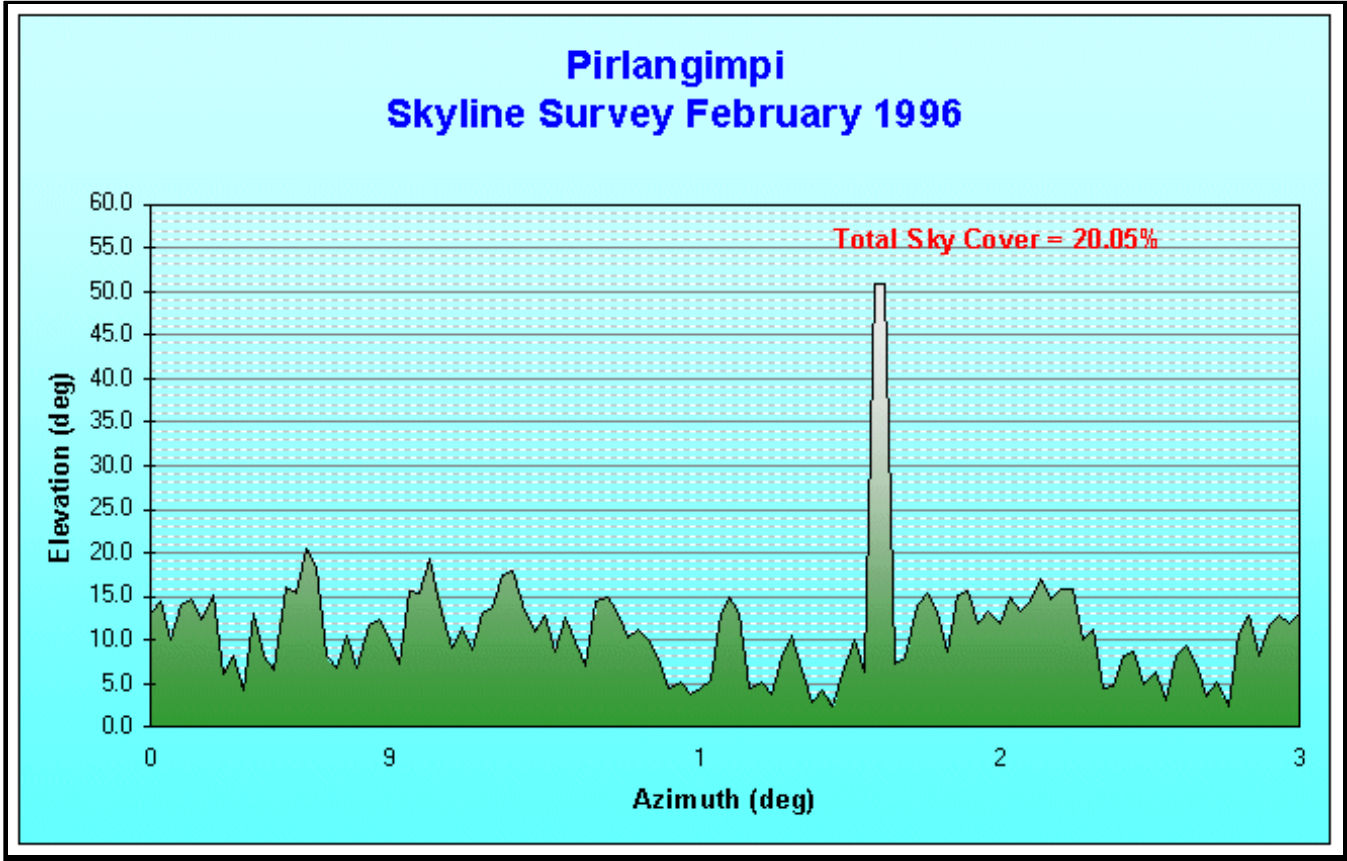
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Extended Climatological Station Metadata  
All History

<b>Station:</b>	PIRLANGIMPI AIRPORT		<b>Location:</b>	PIRLANGIMPI AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014142	<b>WMO No.:</b>	94119	<b>Aviation ID:</b>	YGPT	<b>Opened:</b>	01 Jan 1963
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<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Skyline Diagram  
29/02/1996



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## Extended Climatological Station Metadata

All History

<b>Station:</b>	PIRLANGIMPI AIRPORT		<b>Location:</b>	PIRLANGIMPI AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014142	<b>WMO No.:</b>	94119	<b>Aviation ID:</b>	YGPT	<b>Opened:</b>	01 Jan 1963
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<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

### Station Observation Program Summary (Surface Observations) from 01/11/1963 to 01/10/2002

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

### Station Observation Program Summary (Surface Observations) from 01/10/2002 to 07/10/2003

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

### Station Observation Program Summary (Surface Observations) from 07/10/2003 to 06/05/2004

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	-	-	-	-	-	-	-	-

### Station Observation Program Summary (Surface Observations) from 20/01/2006 to 17/02/2010

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> PIRLANGIMPI AIRPORT			<b>Location:</b> PIRLANGIMPI AIRPORT			<b>State:</b> NT			
<b>Bureau No.:</b>	014142	<b>WMO No.:</b>	94119	<b>Aviation ID:</b>	YGPT	<b>Opened:</b>	01 Jan 1963	<b>Current Status:</b>	Still open
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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 20/01/2006 to 13/02/2006

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	Y	Y	Y	Y	Y	Y	Y
Wind & Temp.	12:00	Y	Y	Y	Y	Y	Y	Y
Wind & Temp.	18:00	Y	Y	Y	Y	Y	Y	Y
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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						<b>Current Status:</b>	Still open
						<b>Metadata compiled:</b>	28 JUL 2025

Station Equipment History

Equipment Install/Remove

Cloud Height (No Electronic History)

Humidity

- 13/JAN/2006 INSTALL Humidity Probe (Type Rotronics S/N - 36019005) Surface Observations
- 17/FEB/2010 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 11780-006) Surface Observations
- 09/SEP/2010 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 22306-007) Surface Observations
- 19/SEP/2013 REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 60150639) Surface Observations

Pressure Trend

- 12/DEC/1992 INSTALL Barograph (Type Marine S/N - CNO135) Surface Observations
- 06/MAY/2004 REMOVE Barograph (Type Marine S/N - CNO135) Surface Observations

Lightning (No Electronic History)

Sea Surface Temperature (No Electronic History)

Magnetic Bearing (No Electronic History)

Wind Direction

- 22/NOV/1979 INSTALL Anemometer (Type Synchrotac - dial S/N - NONE) Surface Observations
- 13/JAN/2006 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 71627) Surface Observations
- 13/JAN/2006 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - 71640) Surface Observations
- 18/NOV/1994 INSTALL Mast Anemometer (Type Pivot, Standard 10m S/N - NONE) Infrastructure
- 06/MAY/2004 REMOVE Anemometer (Type Synchrotac - dial S/N - NONE) Surface Observations

Wet Bulb Temperature

- 16/MAR/2001 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 20274) Surface Observations
- 22/NOV/1979 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - CBM1053) Surface Observations
- 06/MAY/2004 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 21800) Surface Observations
- 06/MAY/2004 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - CBM1053) Surface Observations
- 19/FEB/2004 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - 21800) Surface Observations

Solar Radiation (Long Wave) (No Electronic History)

Spectral Radiation (No Electronic History)

Maximum Temperature

- 16/MAR/2001 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - 17425) Surface Observations
- 22/NOV/1979 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - M0554) Surface Observations
- 06/MAY/2004 REMOVE Thermometer, Mercury, Max (Type Dobbie S/N - 20800) Surface Observations
- 06/MAY/2004 REMOVE Thermometer, Mercury, Max (Type WIKA S/N - 23436) Surface Observations
- 08/AUG/2000 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - 17466) Surface Observations
- 16/NOV/2000 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - 20800) Surface Observations
- 19/FEB/2004 REPLACE Thermometer, Mercury, Max (Now WIKA S/N - 23436) Surface Observations

Soil Temperature 10cm (No Electronic History)

Soil Temperature 20cm (No Electronic History)

Soil Temperature 50cm (No Electronic History)

Snow Height (No Electronic History)

Soil Temperature 100cm (No Electronic History)

Sunshine Hours (No Electronic History)

Wind Run (No Electronic History)

Minimum Temperature

- 14/DEC/2000 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 13185) Surface Observations

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## Extended Climatological Station Metadata

All History

<b>Station:</b>	PIRLANGIMPI AIRPORT		<b>Location:</b>	PIRLANGIMPI AIRPORT		<b>State:</b>	NT
<b>Bureau No.:</b>	014142	<b>WMO No.:</b>	94119	<b>Aviation ID:</b>	YGPT	<b>Opened:</b>	01 Jan 1963
<b>Latitude:</b>	-11.4021	<b>Longitude:</b>	130.4217	<b>Elevation:</b>	18.3 m	<b>Barometer Elev:</b>	19.3 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

## Station Equipment History (continued)

### Equipment Install/Remove(Continued)

22/NOV/1979 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 17246) Surface Observations  
19/FEB/2004 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 22178) Surface Observations  
06/MAY/2004 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 13185) Surface Observations  
06/MAY/2004 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 22171) Surface Observations  
06/MAY/2004 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 22178) Surface Observations  
16/MAR/2004 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 22171) Surface Observations

### Terrestrial Minimum Temperature

14/DEC/2000 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 18962) Surface Observations  
19/FEB/2004 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 18988) Surface Observations  
23/FEB/2004 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 23175) Surface Observations  
23/FEB/2004 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - M6580) Surface Observations  
01/DEC/1998 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - Unknown) Surface Observations  
06/MAY/2004 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 18988) Surface Observations  
06/MAY/2004 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 23175) Surface Observations  
23/FEB/2004 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 23227) Surface Observations  
06/MAY/2004 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - 23234) Surface Observations  
22/FEB/2004 REMOVE Thermometer, Terrestrial, Min (Type Dobbie S/N - M6580) Surface Observations  
11/NOV/1999 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 18988) Surface Observations  
19/FEB/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23227) Surface Observations  
16/MAR/2004 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23234) Surface Observations  
06/NOV/2001 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M6580) Surface Observations  
26/FEB/1999 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - Unknown) Surface Observations

### Visibility (No Electronic History)

### 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

22/NOV/1979 INSTALL Barometer (Type Kew pattern mercury S/N - 1663/50) Surface Observations  
13/JAN/2006 INSTALL Barometer (Type Vaisala PTB220B S/N - U4930003) Surface Observations  
20/JAN/2006 INSTALL Barometer (Type Vaisala PTB220B S/N - W0930008) Surface Observations  
06/MAY/2004 REMOVE Barometer (Type Vaisala PA11A S/N - T1110006) Surface Observations  
13/FEB/2006 REMOVE Barometer (Type Vaisala PTB220B S/N - W0930008) Surface Observations  
18/SEP/1991 REPLACE Barometer (Now Vaisala PA11 S/N - 136639) Surface Observations  
01/JAN/1995 REPLACE Barometer (Now Vaisala PA11A S/N - R0830007) Surface Observations  
26/MAR/1999 REPLACE Barometer (Now Vaisala PA11A S/N - T1110006) Surface Observations  
12/APR/2007 REPLACE Barometer (Now Vaisala PTB220B S/N - B0820016) Surface Observations  
25/NOV/2008 REPLACE Barometer (Now Vaisala PTB220B S/N - C1550009) Surface Observations

### Evaporation (No Electronic History)

### Rainfall

01/NOV/1963 INSTALL Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations

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Extended Climatological Station Metadata  
All History

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<b>Bureau No.:</b>	014142	<b>WMO No.:</b>	94119	<b>Aviation ID:</b>	YGPT	<b>Opened:</b>	01 Jan 1963
<b>Latitude:</b>	-11.4021	<b>Longitude:</b>	130.4217	<b>Elevation:</b>	18.3 m	<b>Barometer Elev:</b>	19.3 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

11/FEB/1997   INSTALL Raingauge (Type HS TB3A-0.2 S/N - 96-123) Rainfall Intensity  
13/JAN/2006   INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 347) Rainfall Intensity  
13/JAN/2006   INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 347) Surface Observations  
06/MAY/2004   REMOVE Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations  
12/JAN/2006   REMOVE Raingauge (Type HS TB3B-0.2 S/N - 96/1032) Rainfall Intensity  
01/DEC/1998   REPLACE Raingauge (Now HS TB3B-0.2 S/N - 96/1032) Rainfall Intensity  
17/SEP/2020   REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 84138) Rainfall Intensity  
17/SEP/2020   REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 84138) Surface Observations  
01/OCT/2019   UNSHARE Raingauge (Type Rimco 7499 TBRG S/N - 84138) 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

22/NOV/1979   INSTALL Anemometer (Type Synchrotac - dial S/N - NONE) Surface Observations  
13/JAN/2006   INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 71627) Surface Observations  
13/JAN/2006   INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - 71640) Surface Observations  
18/NOV/1994   INSTALL Mast Anemometer (Type Pivot, Standard 10m S/N - NONE) Infrastructure  
06/MAY/2004   REMOVE Anemometer (Type Synchrotac - dial S/N - NONE) Surface Observations

Air Temperature

13/JAN/2006   INSTALL Humidity Probe (Type Rotronics S/N - 36019005) Surface Observations  
17/FEB/2010   REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 11780-006) Surface Observations  
09/SEP/2010   REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 22306-007) Surface Observations  
19/SEP/2013   REPLACE Humidity Probe (Now Rotronics MP101A-T4-W4W S/N - 60150639) Surface Observations  
13/JAN/2006   INSTALL Temperature Probe - Dry Bulb (Type Rosemount ST2401 S/N - 722) Surface Observations  
14/DEC/2000   INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 16973) Surface Observations  
22/NOV/1979   INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - M2870) Surface Observations  
06/MAY/2004   REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 16973) Surface Observations  
06/MAY/2004   REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - M2870) 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
12/JAN/2006 - 17/SEP/2020	Humidity	2
19/FEB/2004 - 19/FEB/2004	Pressure Trend	0
14/DEC/2000 - 17/SEP/2020	Wind Direction	2
11/NOV/1999 - 11/NOV/1999	Terrestrial Minimum Temperature	1

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Extended Climatological Station Metadata  
All History

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<b>Latitude:</b>	-11.4021	<b>Longitude:</b>	130.4217	<b>Elevation:</b>	18.3 m	<b>Barometer Elev:</b>	19.3 m
<b>Current Status:</b>							Still open
<b>Metadata compiled:</b>							28 JUL 2025

Station Equipment History (continued)

Available Date Range	Element	Fail Field Performance Check
01/DEC/1998 - 17/SEP/2020	Pressure	3
01/DEC/1998 - 17/SEP/2020	Rainfall	2
14/DEC/2000 - 17/SEP/2020	Wind Speed	2
12/JAN/2006 - 17/SEP/2020	Air Temperature	2

Station Detail Changes

01/FEB/2021 CLASSIFICATION AWS Priority 3 - Standard (SLP3-AWS)  
13/JAN/2006 CLASSIFICATION Climate (FCL) ENDED 30-06-2006  
01/JUL/2006 CLASSIFICATION Incentive Payment AWS (FIP)  
30/AUG/2021 CLASSIFICATION Mastered in EAMS (EAMS)  
01/JUL/2017 CLASSIFICATION Observing Operations Hub - Darwin (OOH-D)  
21/MAR/2016 CLASSIFICATION Processed by ASOS (PBA)  
10/JAN/2011 CLASSIFICATION Standard (ASOSSTD)  
10/JUN/2014 CLASSIFICATION Standard Aviation or Defence (AVSTD) ENDED 16-10-2020  
01/OCT/2019 OBJECT Document/Pirlangimpi Mast Audit 2019  
13/JAN/2006 OBJECT Document/SITE APPROVAL  
13/JAN/2006 OBJECT Document/SKYLINE DATA  
25/NOV/2015 OBJECT Document/SKYLINE DATA  
20/APR/2011 OBJECT Document/SKYLINE DATA  
17/SEP/2020 OBJECT Document/SKYLINE DATA  
14/DEC/2000 OBJECT Document/SKYLINE DATA  
29/FEB/1996 OBJECT Document/SKYLINE DATA  
07/MAY/2019 OBJECT Document/TELVENT AWS CONFIGURATION  
22/JAN/2010 OBJECT Document/TELVENT AWS CONFIGURATION  
01/APR/2010 OBJECT Document/TELVENT AWS CONFIGURATION  
30/NOV/2010 OBJECT Document/TELVENT AWS CONFIGURATION  
29/MAR/2011 OBJECT Document/TELVENT AWS CONFIGURATION  
20/DEC/2011 OBJECT Document/TELVENT AWS CONFIGURATION  
01/JAN/1963 STATION - (nondb seeding) Opened  
01/JAN/1963 STATION - (nondb seeding) bar\_ht Changed to 12  
01/JAN/1963 STATION - (nondb seeding) bar\_ht\_deriv Changed to MAP 1:250 000  
01/JAN/1963 STATION - (nondb seeding) stn\_ht Changed to 12  
01/JAN/1963 STATION - (nondb seeding) stn\_ht\_deriv Changed to MAP 1:250 000  
01/JAN/1963 STATION - (nondb seeding) wmo\_num Changed to 94119  
13/JAN/2006 STATION aviation\_id Changed to YGPT  
19/FEB/2004 STATION bar\_ht Changed to 13.5  
13/JAN/2006 STATION bar\_ht Changed to 19.3  
01/MAR/2001 STATION bar\_ht Changed to 9.5  
01/MAR/2001 STATION bar\_ht\_deriv Changed to Barometer  
19/FEB/2004 STATION bar\_ht\_deriv Changed to SURVEY  
13/JAN/2006 STATION bar\_ht\_deriv Changed to SURVEY  
01/JAN/1963 STATION latitude Changed to -11.40185  
25/NOV/2015 STATION latitude Changed to -11.40212

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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)

Station Detail Changes(Continued)

13/JAN/2006 STATION latitude Changed to -11.4022  
25/NOV/2015 STATION latlon\_deriv Changed to GPS  
01/JAN/1963 STATION latlon\_deriv Changed to GPS  
13/JAN/2006 STATION latlon\_deriv Changed to SURVEY  
13/JAN/2006 STATION latlon\_error Changed to 0  
25/NOV/2015 STATION latlon\_error Changed to 2  
01/JAN/1963 STATION latlon\_error Changed to 3  
01/JAN/1963 STATION longitude Changed to 130.41821  
25/NOV/2015 STATION longitude Changed to 130.42167  
13/JAN/2006 STATION longitude Changed to 130.4217  
01/DEC/1998 STATION lu\_0\_100m Changed to Open farmland, grassland or tundra  
01/DEC/1998 STATION lu\_100m\_1km Changed to Small town < 1000 population  
01/DEC/1998 STATION lu\_1km\_10km Changed to Coastal or Island  
01/JAN/1963 STATION name Changed to GARDEN POINT MISSION  
26/NOV/1979 STATION name Changed to GARDEN POINT POLICE STATION  
21/SEP/1993 STATION name Changed to PIRLANGIMPI  
01/JAN/2014 STATION name Changed to PIRLANGIMPI AIRPORT  
01/DEC/1998 STATION soil\_type Changed to sand  
13/JAN/2006 STATION stn\_ht Changed to 18.3  
13/JAN/2006 STATION stn\_ht\_deriv Changed to SURVEY  
01/DEC/1998 STATION surface\_type Changed to mostly covered by grass  
02/NOV/2001 STATION surface\_type Changed to partly covered by grass  
06/MAY/2004 STATION wmo\_num Changed to  
13/JAN/2006 STATION wmo\_num Changed to 94119

System Changes

01/NOV/1963 SYSTEM Infrastructure Commenced  
01/OCT/2019 SYSTEM Rainfall Intensity Ceased  
11/FEB/1997 SYSTEM Rainfall Intensity Commenced  
13/FEB/2006 SYSTEM Surface Observations Ceased  
06/MAY/2004 SYSTEM Surface Observations Ceased  
20/JAN/2006 SYSTEM Surface Observations Commenced  
01/NOV/1963 SYSTEM Surface Observations Commenced  
12/JAN/2006 SYSTEM Surface Observations Commenced  
13/FEB/2006 SYSTEM Upper Air Ceased  
20/JAN/2006 SYSTEM Upper Air Commenced

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## Notes on these metadata

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

### Reliability of the metadata

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

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

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

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

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

### Station Number

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

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

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## Notes on these metadata

### Network Classification

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

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

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## Notes on these metadata

### Network Classification Continued....

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

### Station Purpose

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

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

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

### Station Observation Program Summary

#### Surface Observations

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

Set a)

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

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## Notes on these metadata

### Surface observations continued....

#### Set b)

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

### Current Station Equipment Summary

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

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

### Station Equipment History

#### Equipment Install/Remove

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

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

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

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

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

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

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## Notes on these metadata

### Calibration

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

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

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

### Station Detail Changes

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

#### - STATION

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

#### Station position

##### - Latitude and longitude

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

##### - Height

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

Heights which may appear in these metadata are:

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

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## Notes on these metadata

### - Land Use

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

#### Defined Land use Types.

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

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

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

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

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

#### Surface Type (At Enclosure).

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

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