



Basic Climatological Station Metadata
Current status

Metadata compiled: 28 JUL 2025

Station: ADELAIDE AIRPORT

Bureau of Meteorology station number: 023034
Bureau of Meteorology district name: Adelaide Plains
State: SA

World Meteorological Organization number: 94672
Identification: YPAD

Network Classification: CLIMAT Stations, CLIMAT TEMP Stations, Regional
Basic Synoptic Network

Station purpose: Synoptic, Upper Air, Aeronautical
Automatic Weather Station: Almos



Current Station Location				
Latitude	Decimal	-34.9524	Hour Min Sec	34°57'9"S
Longitude	Decimal	138.5196	Hour Min Sec	138°31'11"E
Station Height	2 m	Barometer Height	8.2 m	
Method of station geographic positioning			GPS	

Year opened: 1955
Status: Open

Station summary

No summary for this site has been written as yet.

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



Basic Climatological Station Metadata
Current status

Station: ADELAIDE AIRPORT		Location: ADELAIDE AIRPORT		State: SA	
Bureau No.: 023034	WMO No.: 94672	Aviation ID: YPAD	Opened: 16 Feb 1955	Current Status: Still open	
Latitude: -34.9524	Longitude: 138.5196	Elevation: 2 m	Barometer Elev: 8.2 m	Metadata compiled: 28 JUL 2025	

Observation summary

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



DAILY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	SINGLE DAYS MISSED	FULL MONTHS MISSED
EVAPORATION	JAN 1982	JUN 2025	99.7	42	0
EVAPORIMETER - MAXIMUM WATER TEMPERATURE	JAN 1982	JUN 2011	97.0	285	1
GROUND MINIMUM TEMPERATURE	AUG 1959	JUN 2025	98.2	219	7
MAXIMUM AIR TEMPERATURE	FEB 1955	JUN 2025	99.9	16	0
MAXIMUM WIND GUST SPEED	FEB 1955	JUN 2025	99.3	173	0
SUNSHINE HOURS	AUG 1983	JUN 2025	99.5	67	0
WIND RUN ABOVE 10 FEET	JAN 1988	JUN 2025	79.6	228	84
WIND RUN BELOW 10 FEET	JAN 1982	JUN 2025	98.9	138	1
RAINFALL	JAN 1955	JUL 2025	100	N/A	N/A

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HOURLY DATA HOLDINGS - from 1 to 24 observations per day

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
AIR TEMPERATURE	FEB 1955	JUN 2025	99.8	11.6	15	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
DEW POINT	FEB 1955	JUN 2025	99.8	11.6	15	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
MEAN SEA LEVEL PRESSURE	FEB 1955	JUN 2025	99.8	11.6	15	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
SOIL TEMPERATURE - 10cm	FEB 1999	AUG 2022	98.9	2.0	29	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
TOTAL CLOUD AMOUNT	FEB 1955	JUN 2025	99.7	8.0	15	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
WIND SPEED	FEB 1955	JUN 2025	99.8	11.6	15	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
UPPER AIR TEMPERATURE	JUN 1954	JUN 2025	90.9	2.1	420	0
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	
UPPER AIR WIND SPEED	JAN 1955	JUN 2025	92.5	3.8	193	15
1 8 5 0	1 9 0 0		1 9 5 0		2 0 0 0	

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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 1967	AUG 2015	88.1	802	43

ONE-MINUTE DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	DEC 2001	JUL 2025	99.7	1436.3	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 1985	JUL 2025	104.1	50.0	N/A	0

UPPER-AIR EDT DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
Wind only flights	Jun 2000	Feb 2018	N/A	2.1	577	29
Wind, temperature and pressure flights	Apr 1991	Mar 2018	N/A	2.0	98	1

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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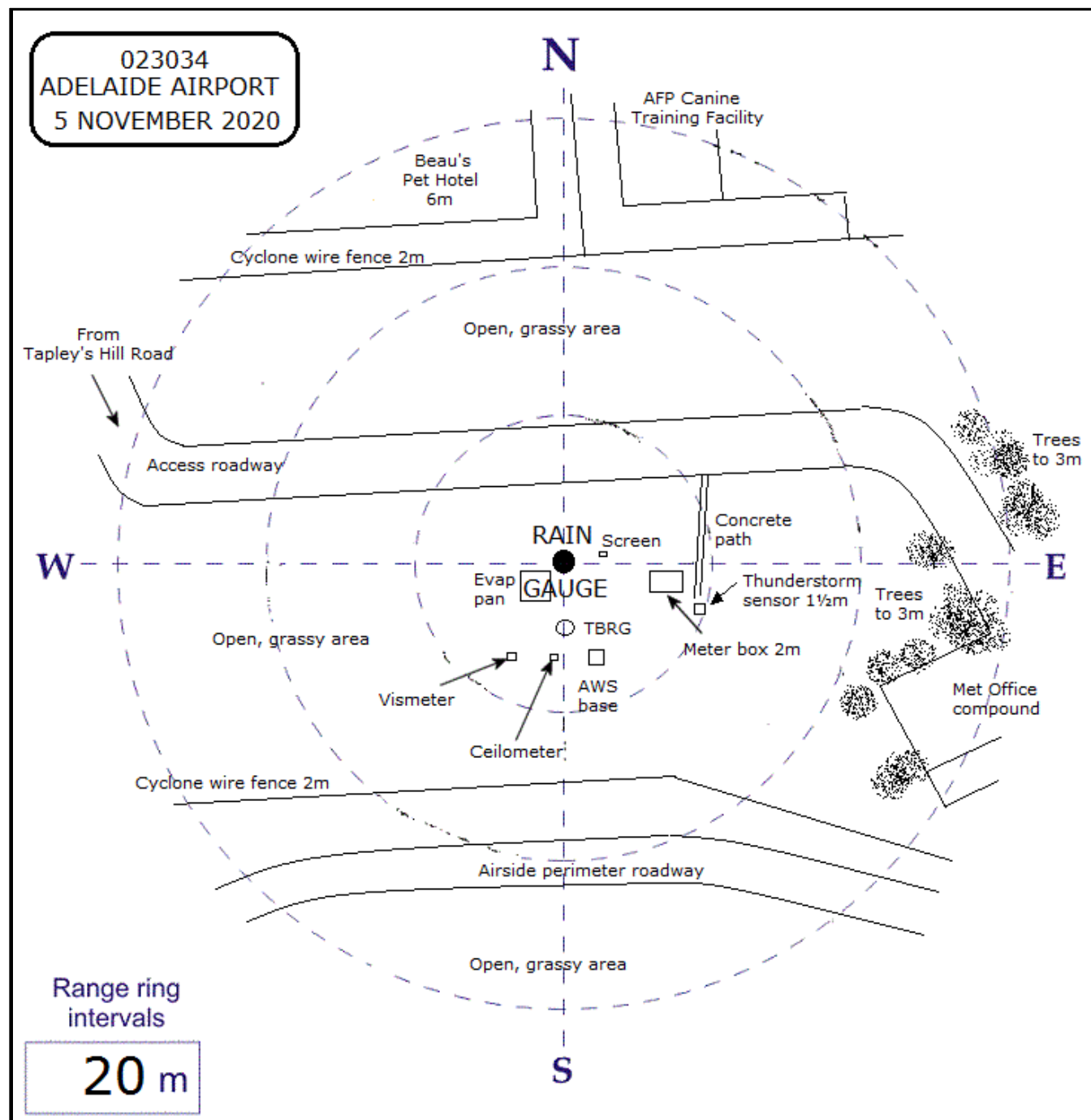
Extended Climatological Station Metadata

All History

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Instrument Location and Surrounding Features

05/11/2020(most recent)



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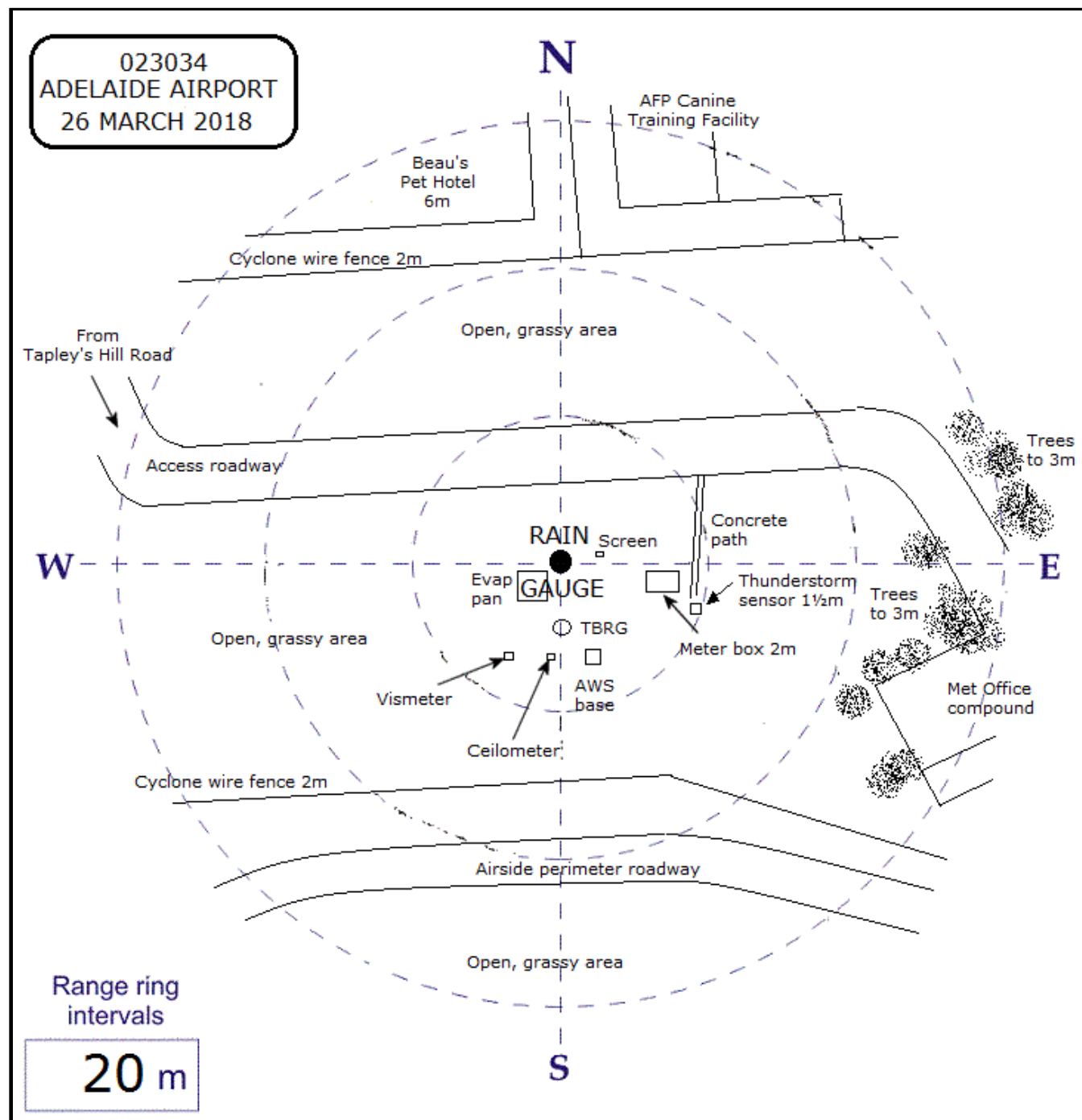
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Instrument Location and Surrounding Features

26/03/2018



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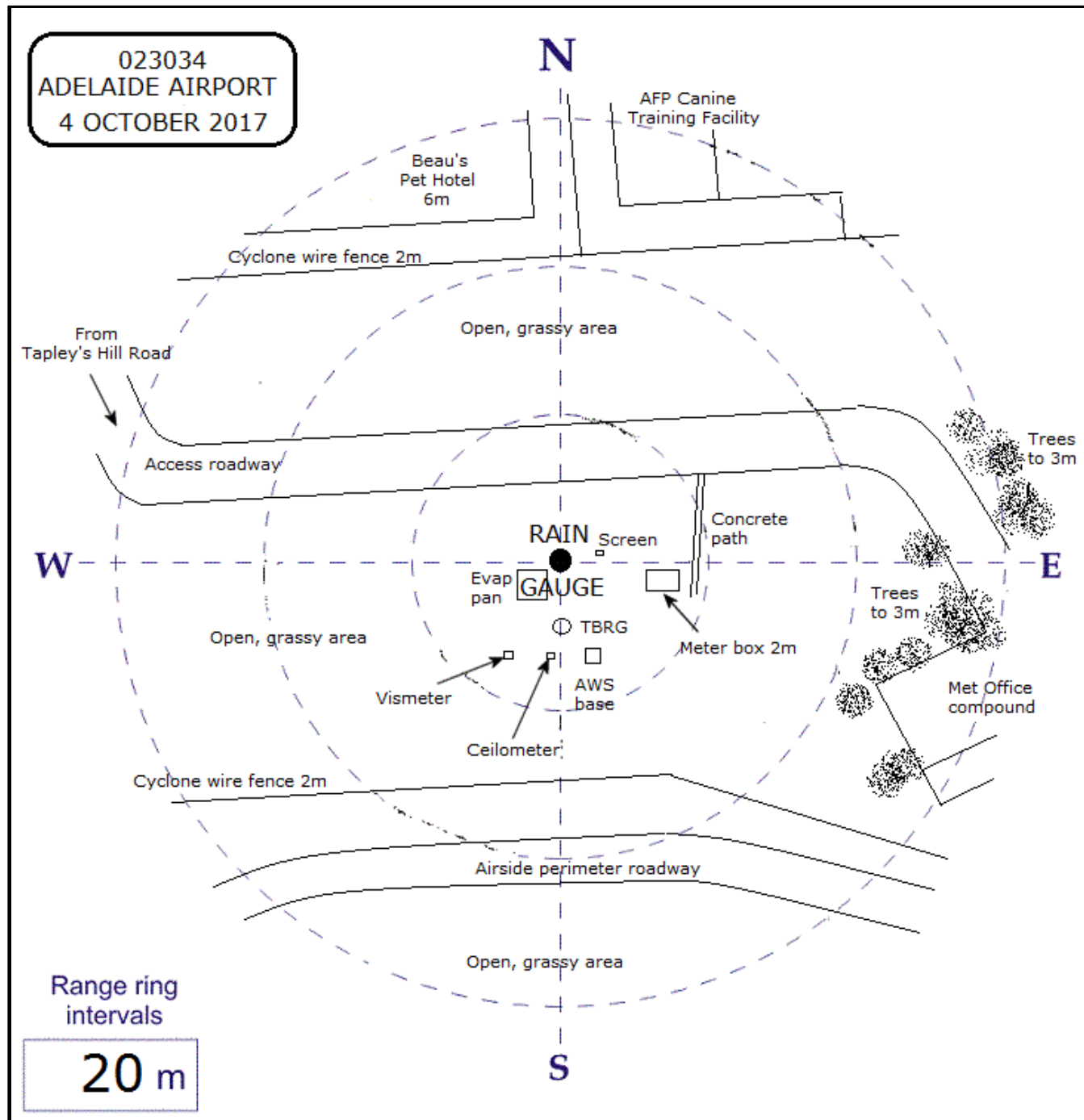
Extended Climatological Station Metadata

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Instrument Location and Surrounding Features

04/10/2017



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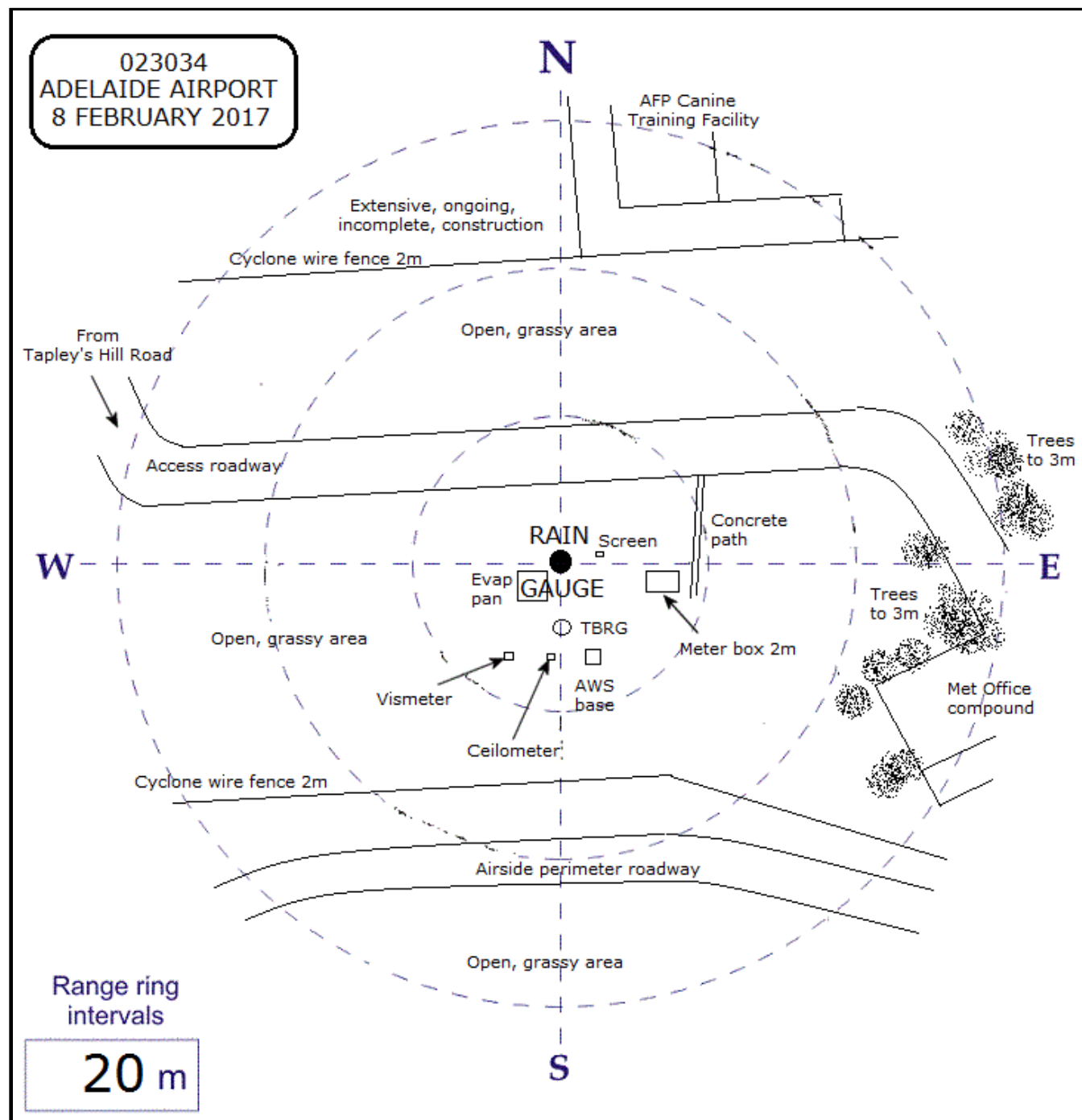
Extended Climatological Station Metadata

All History

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Instrument Location and Surrounding Features

08/02/2017



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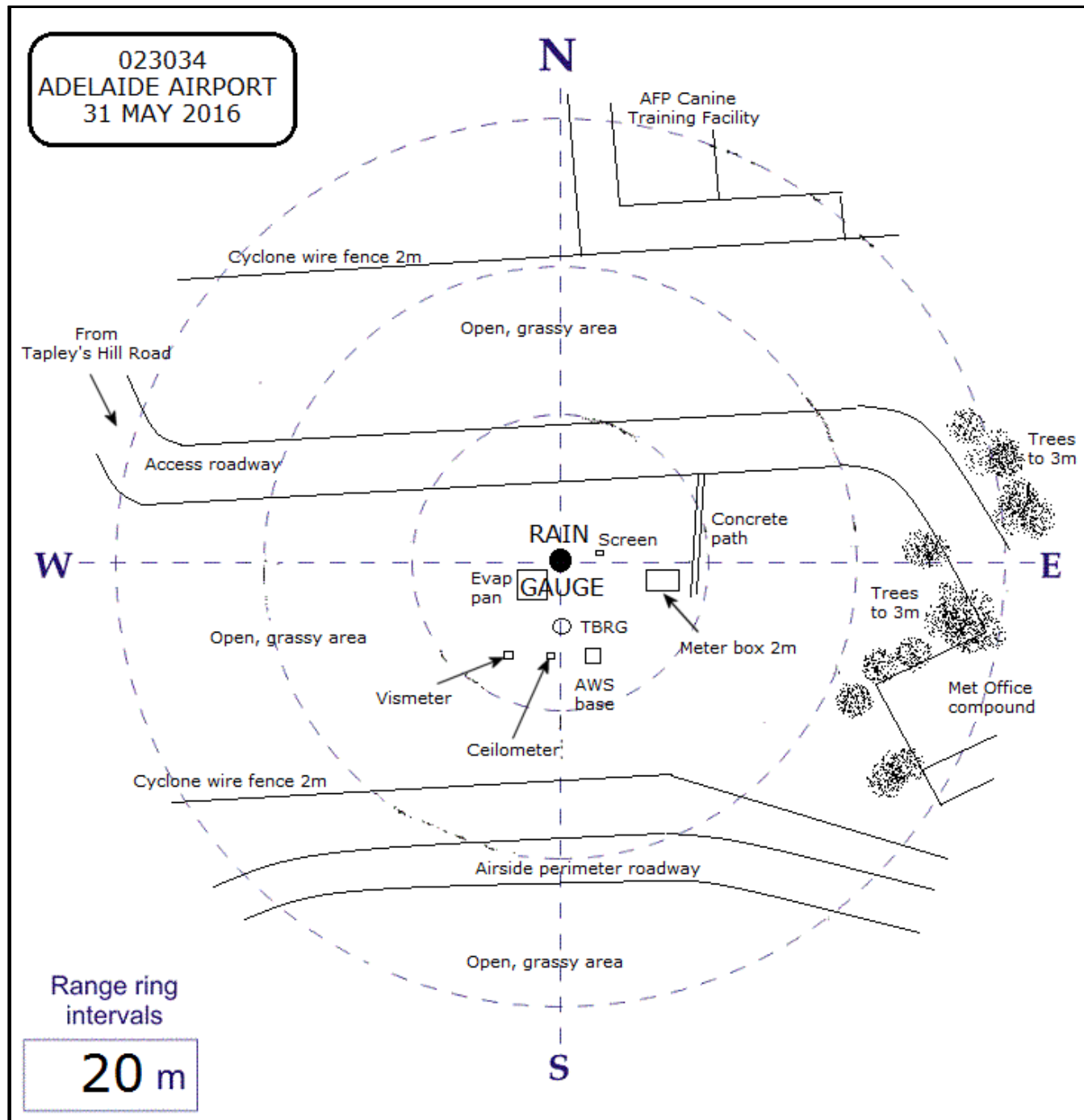
Extended Climatological Station Metadata

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Instrument Location and Surrounding Features

31/05/2016



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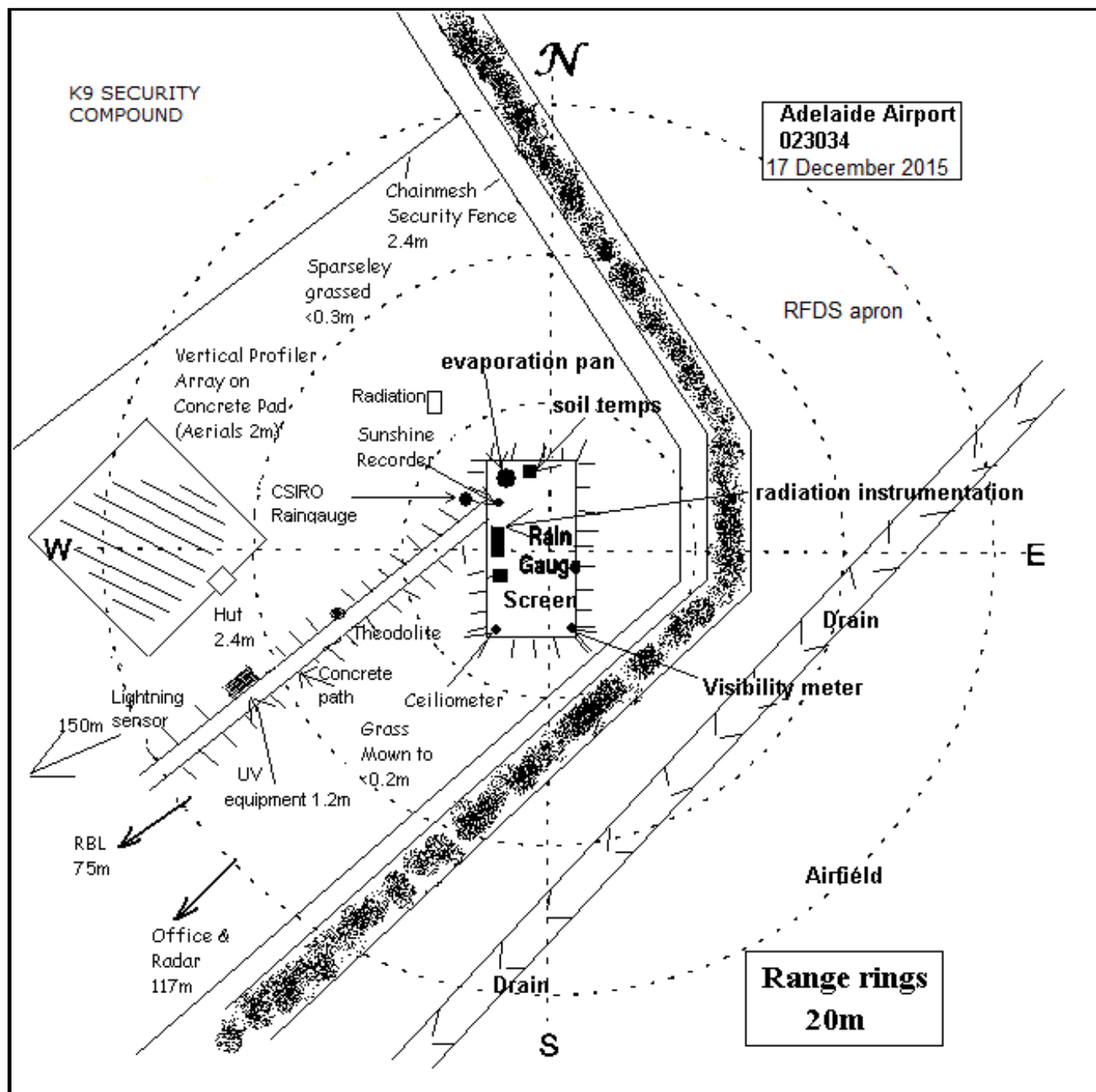
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Instrument Location and Surrounding Features

17/12/2015



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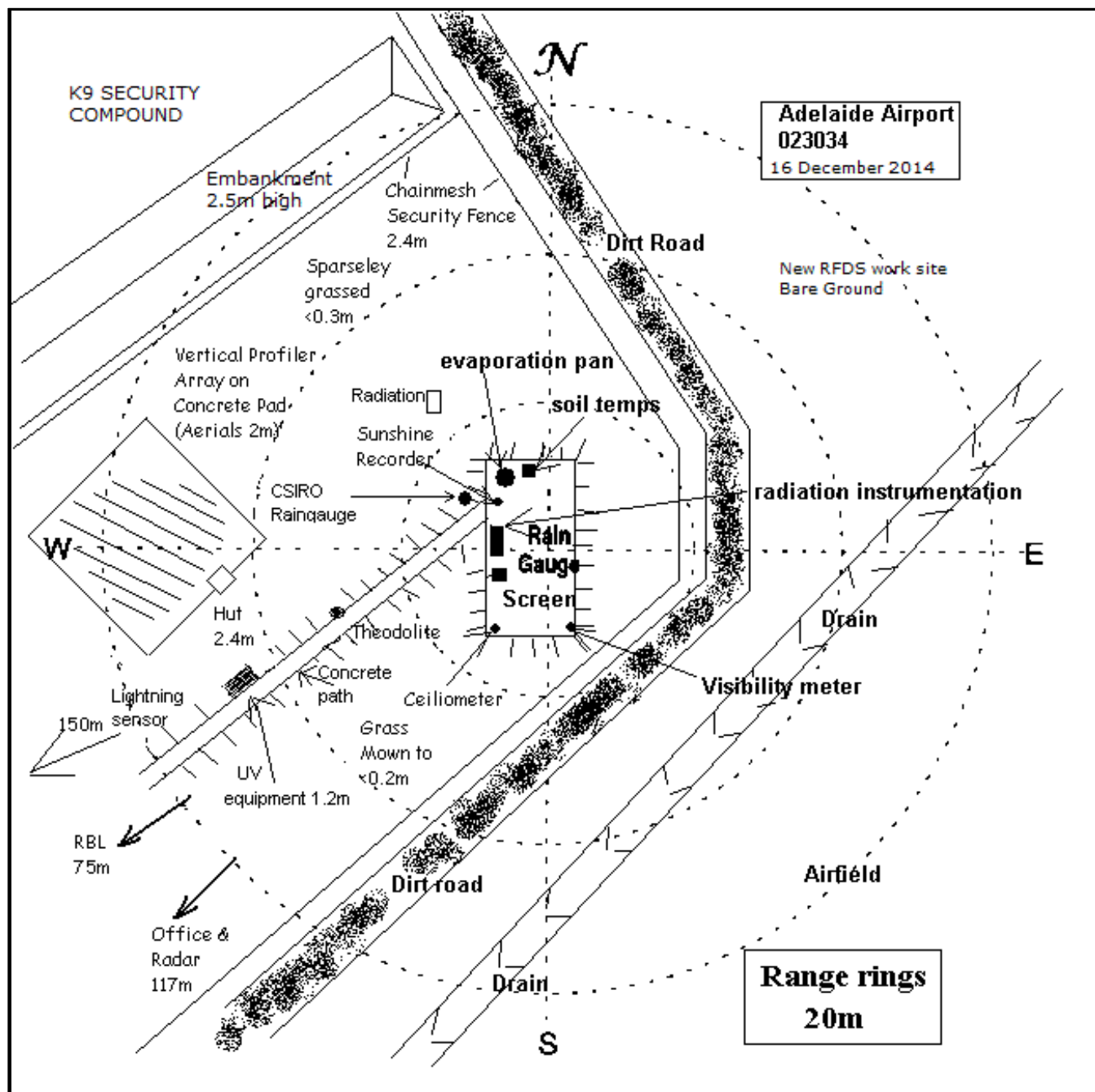
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Instrument Location and Surrounding Features

16/12/2014



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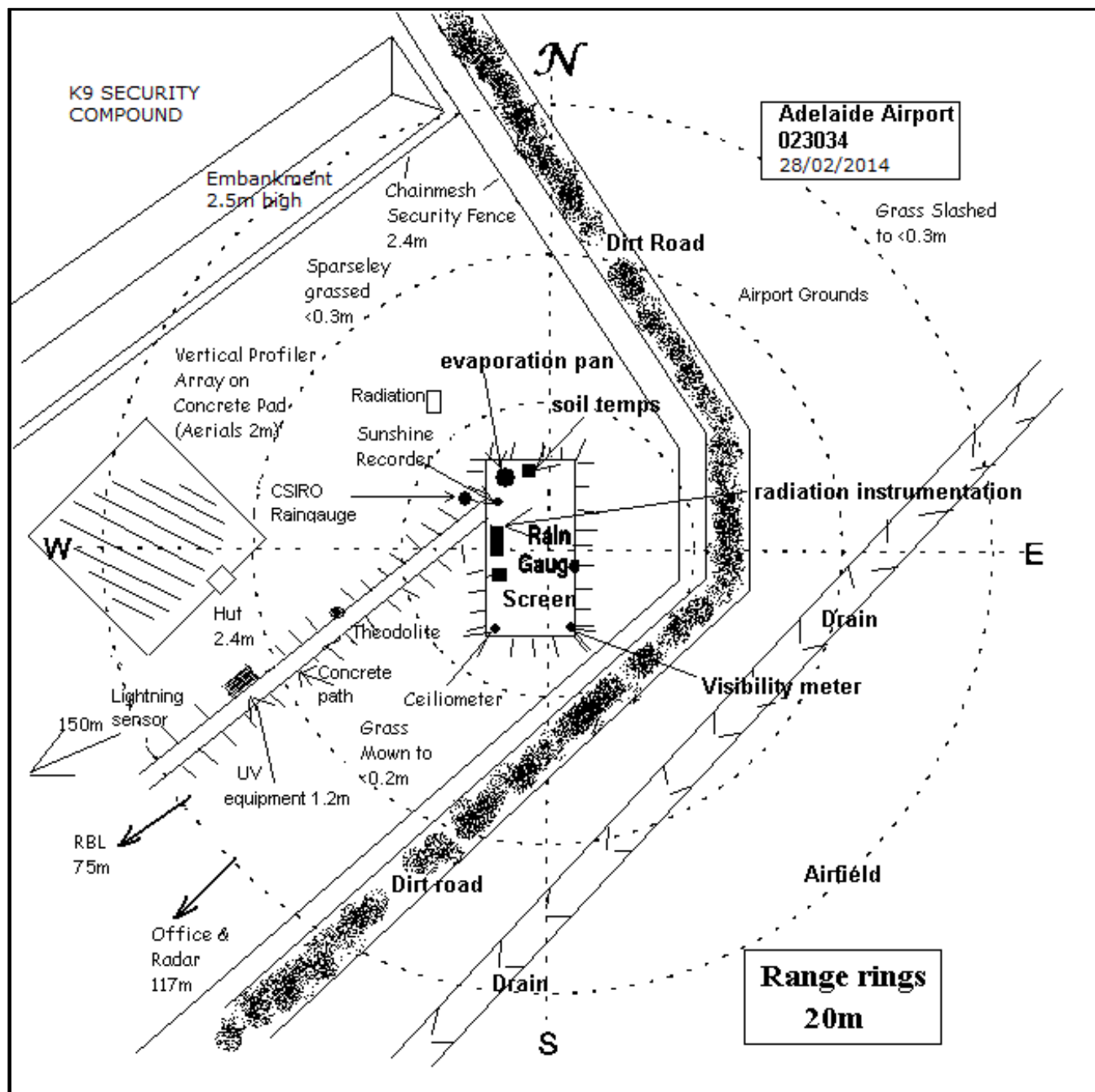
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Instrument Location and Surrounding Features

28/02/2014



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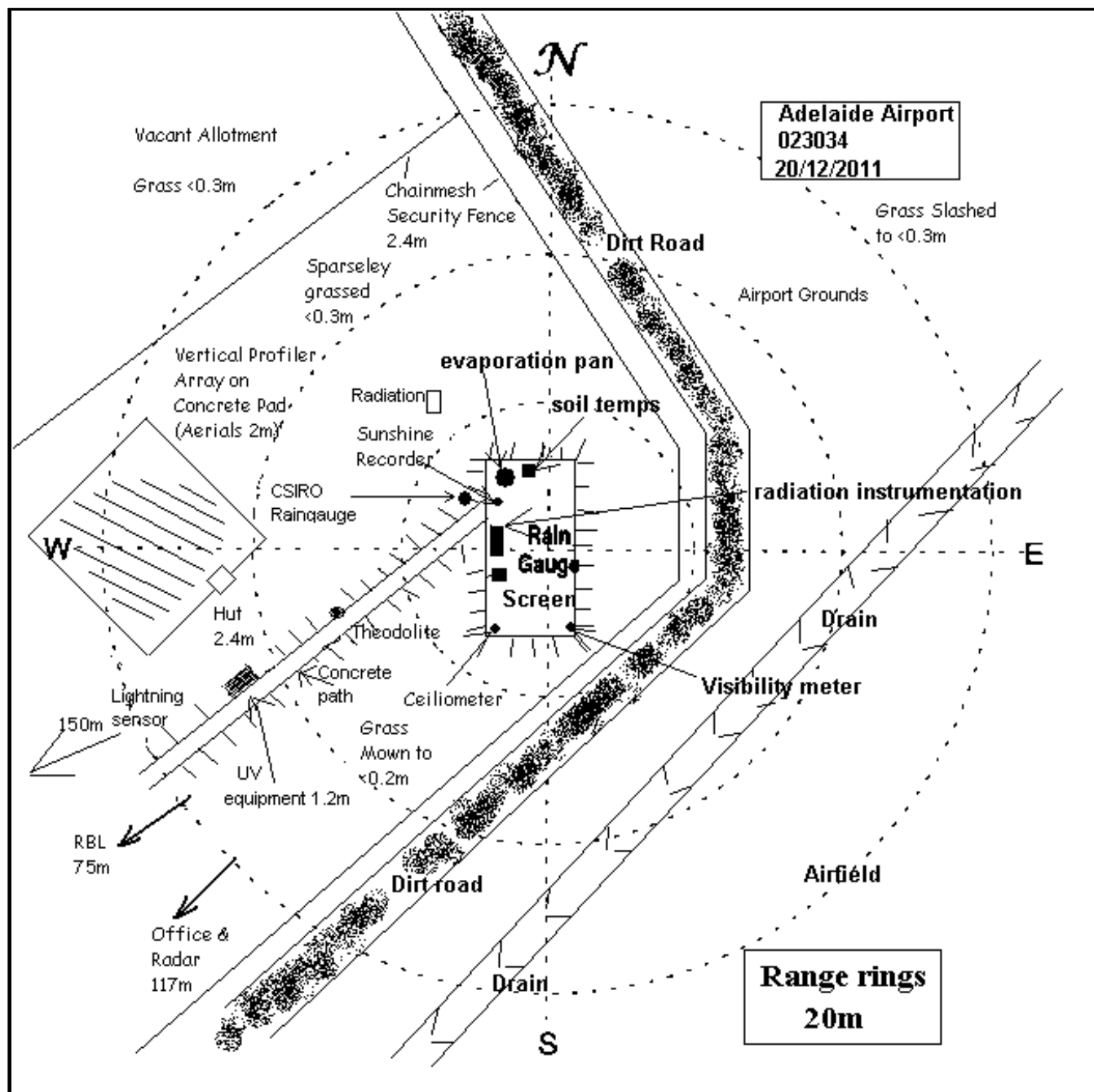
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Instrument Location and Surrounding Features

20/12/2011



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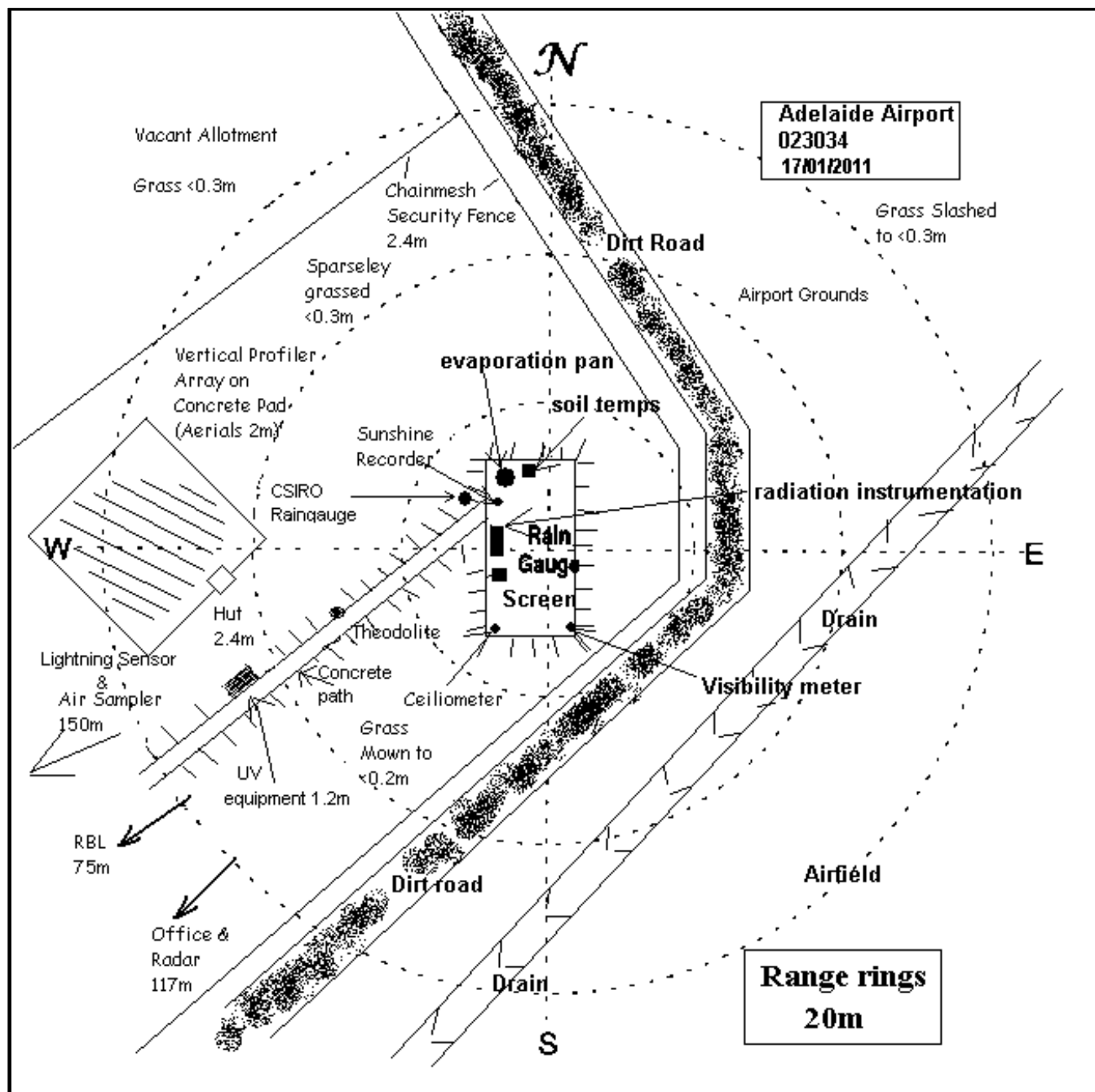
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Instrument Location and Surrounding Features

17/01/2011



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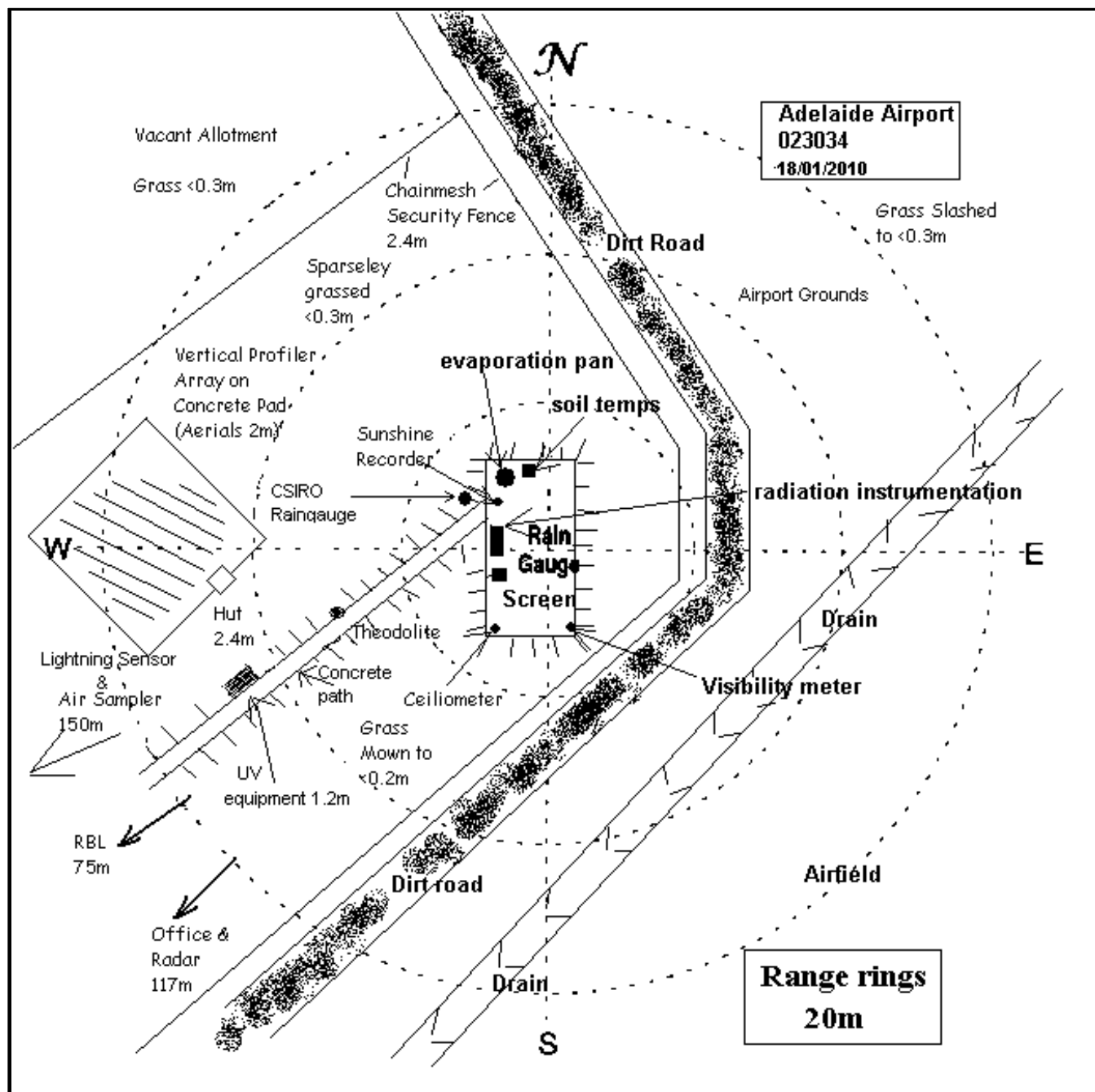
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Instrument Location and Surrounding Features

21/01/2010



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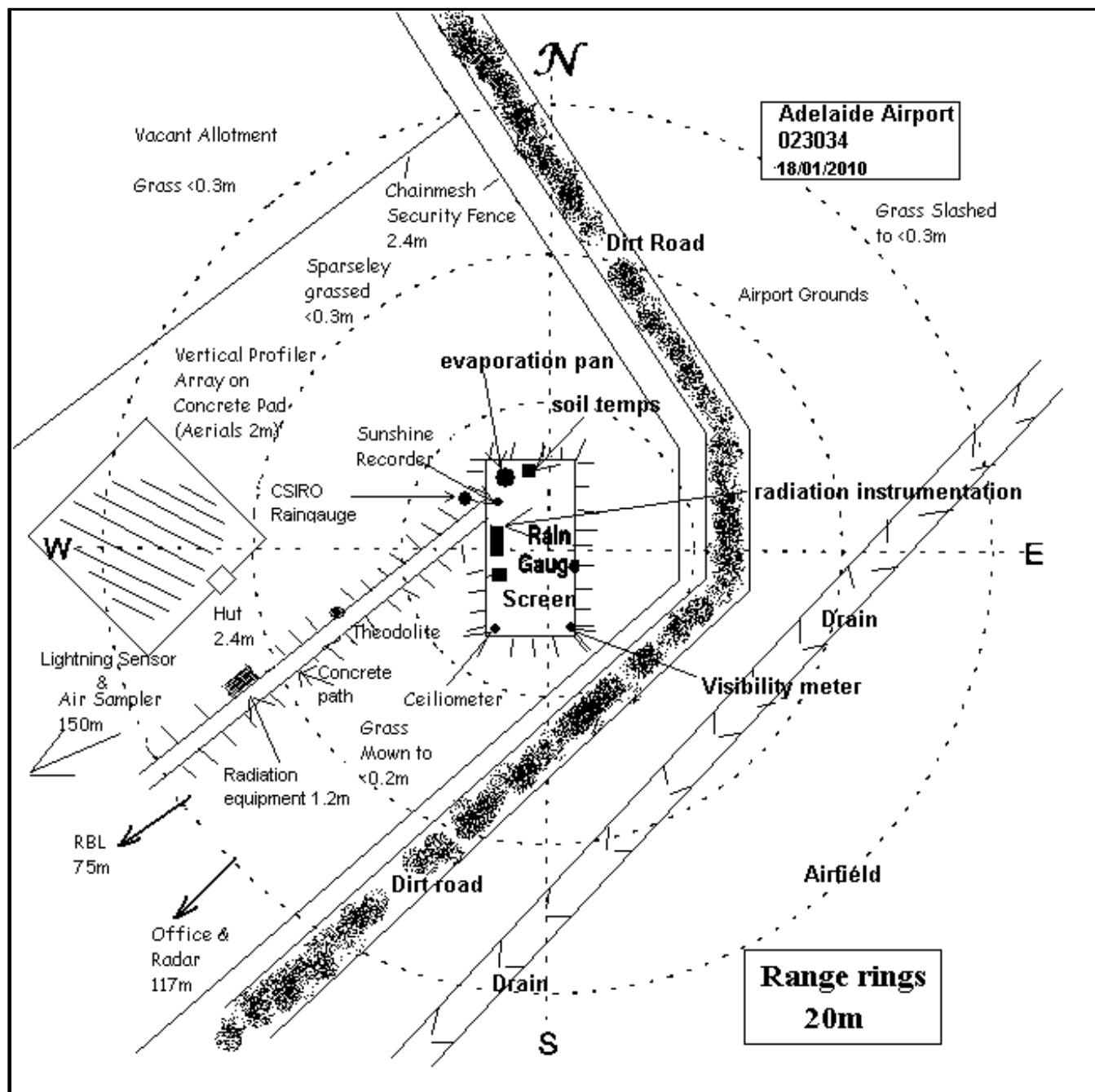
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Instrument Location and Surrounding Features

18/01/2010



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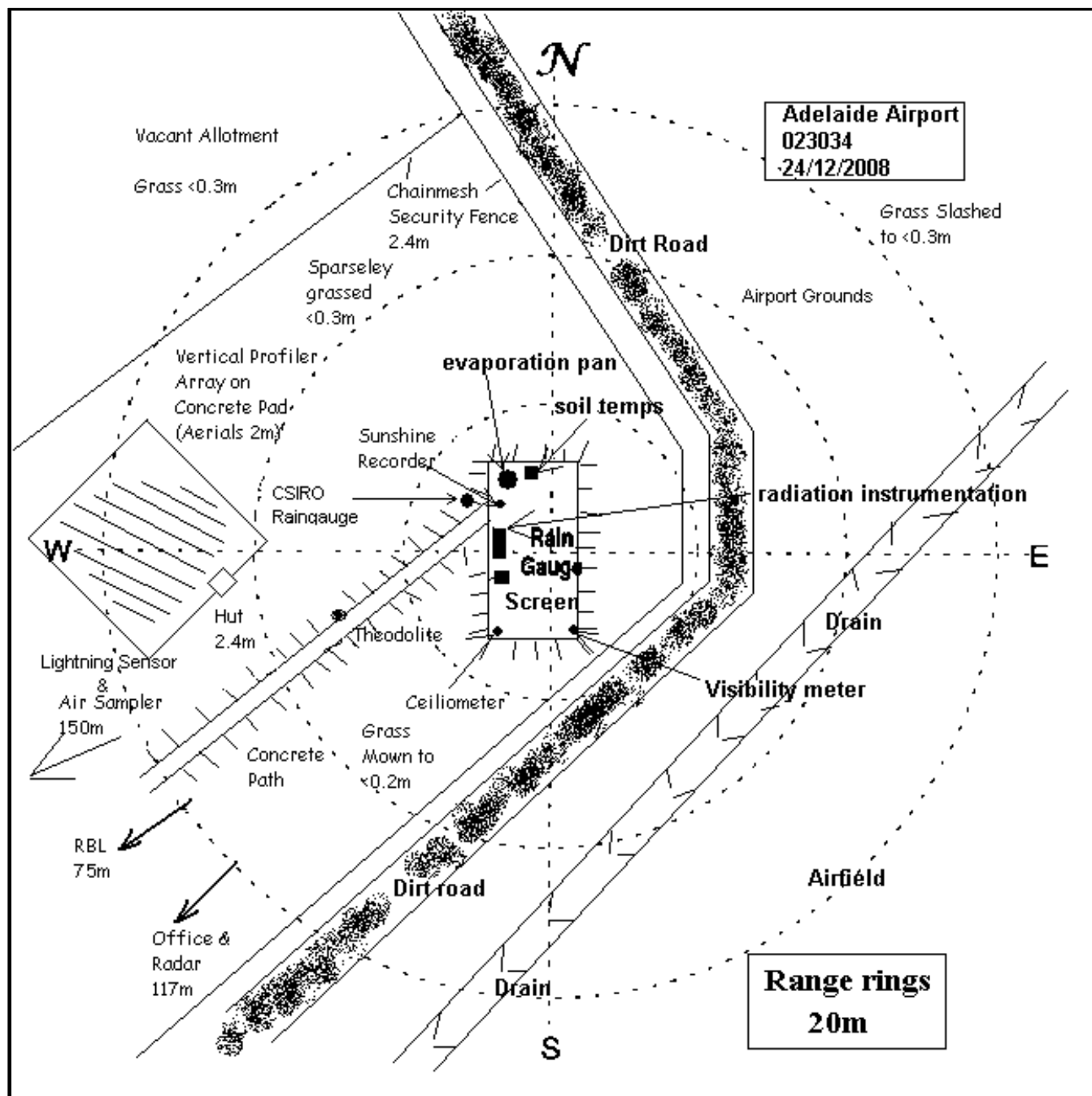
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Instrument Location and Surrounding Features

24/12/2008



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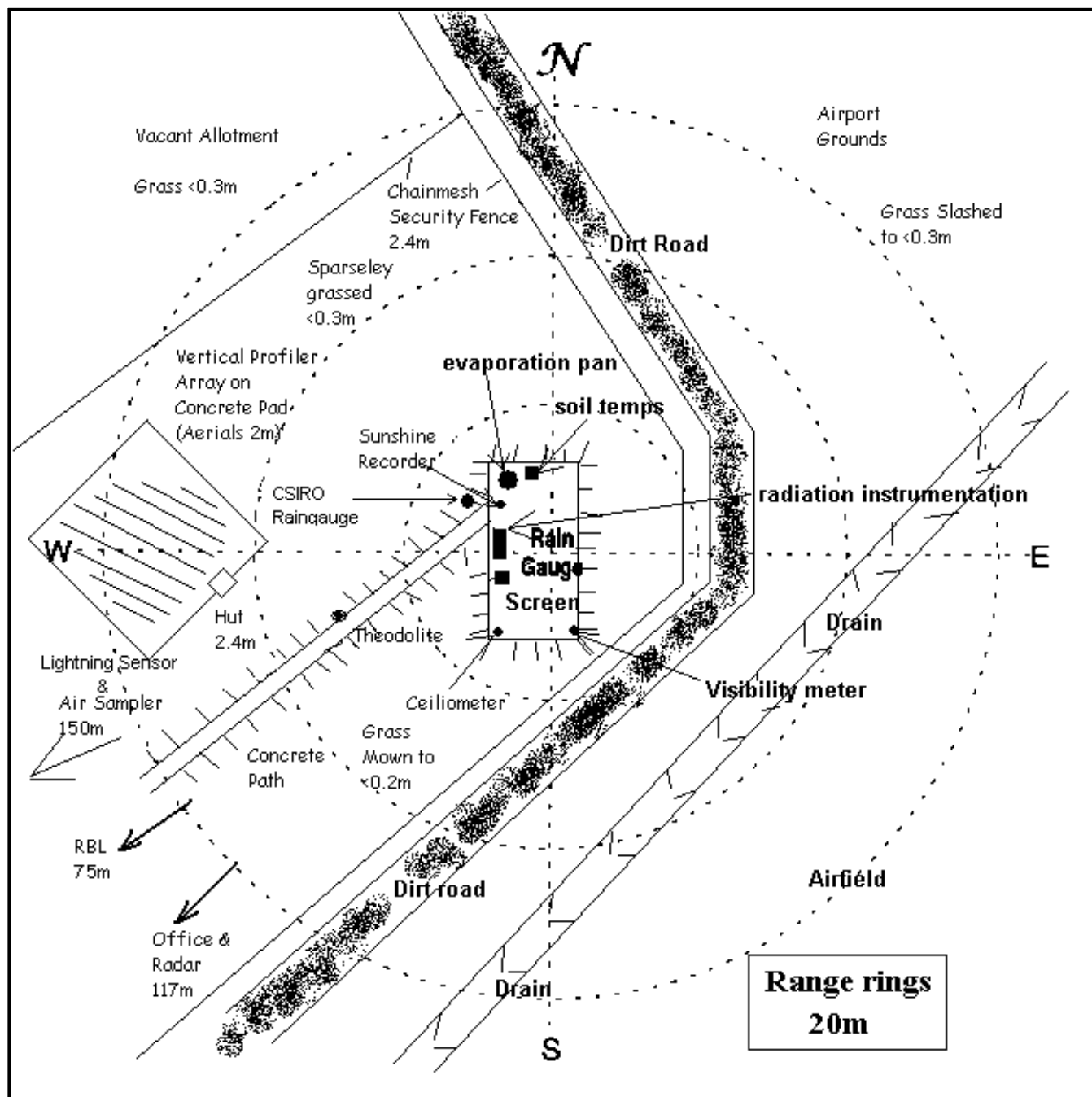
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Instrument Location and Surrounding Features

07/01/2008



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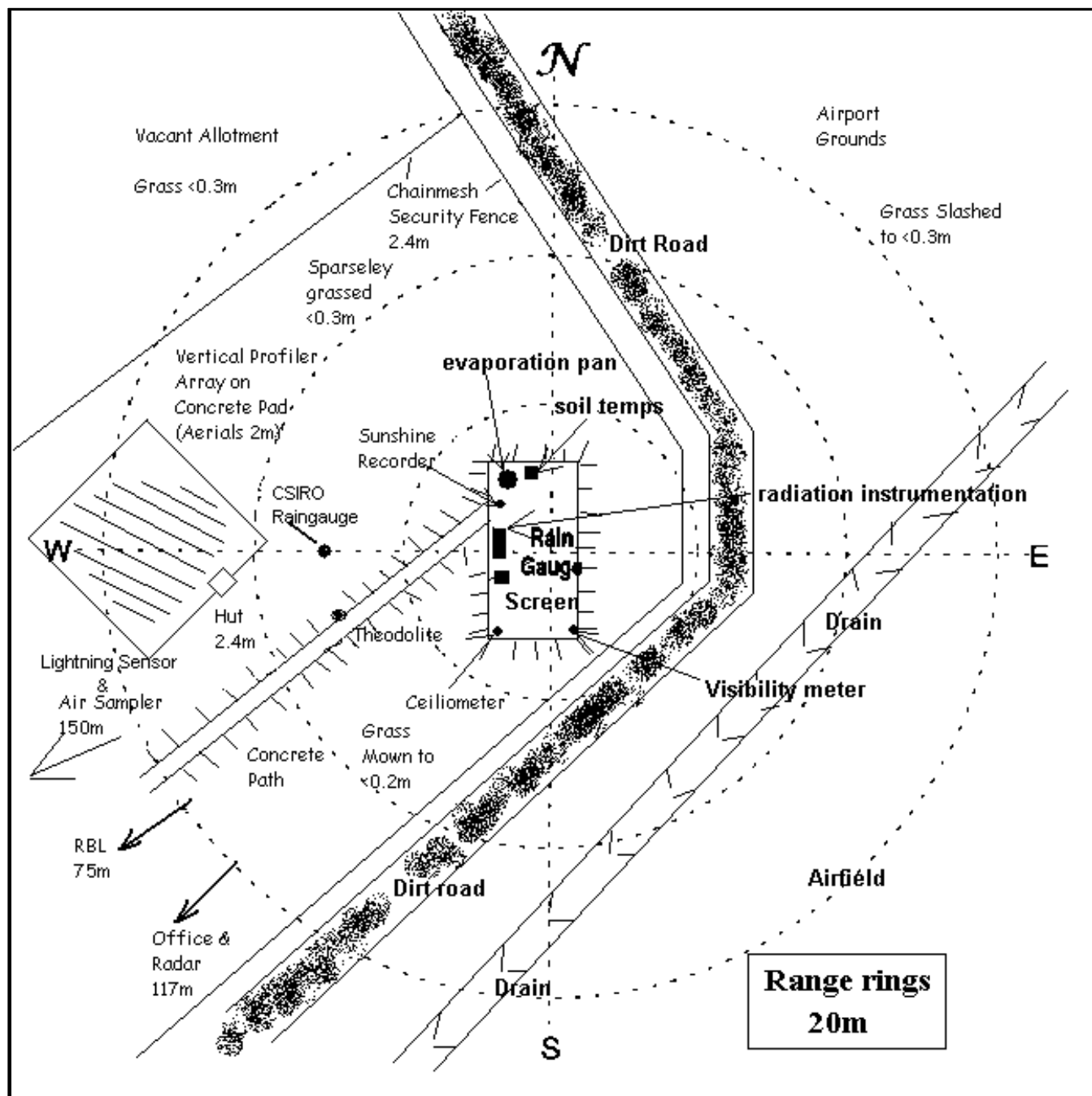
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Instrument Location and Surrounding Features

21/03/2007



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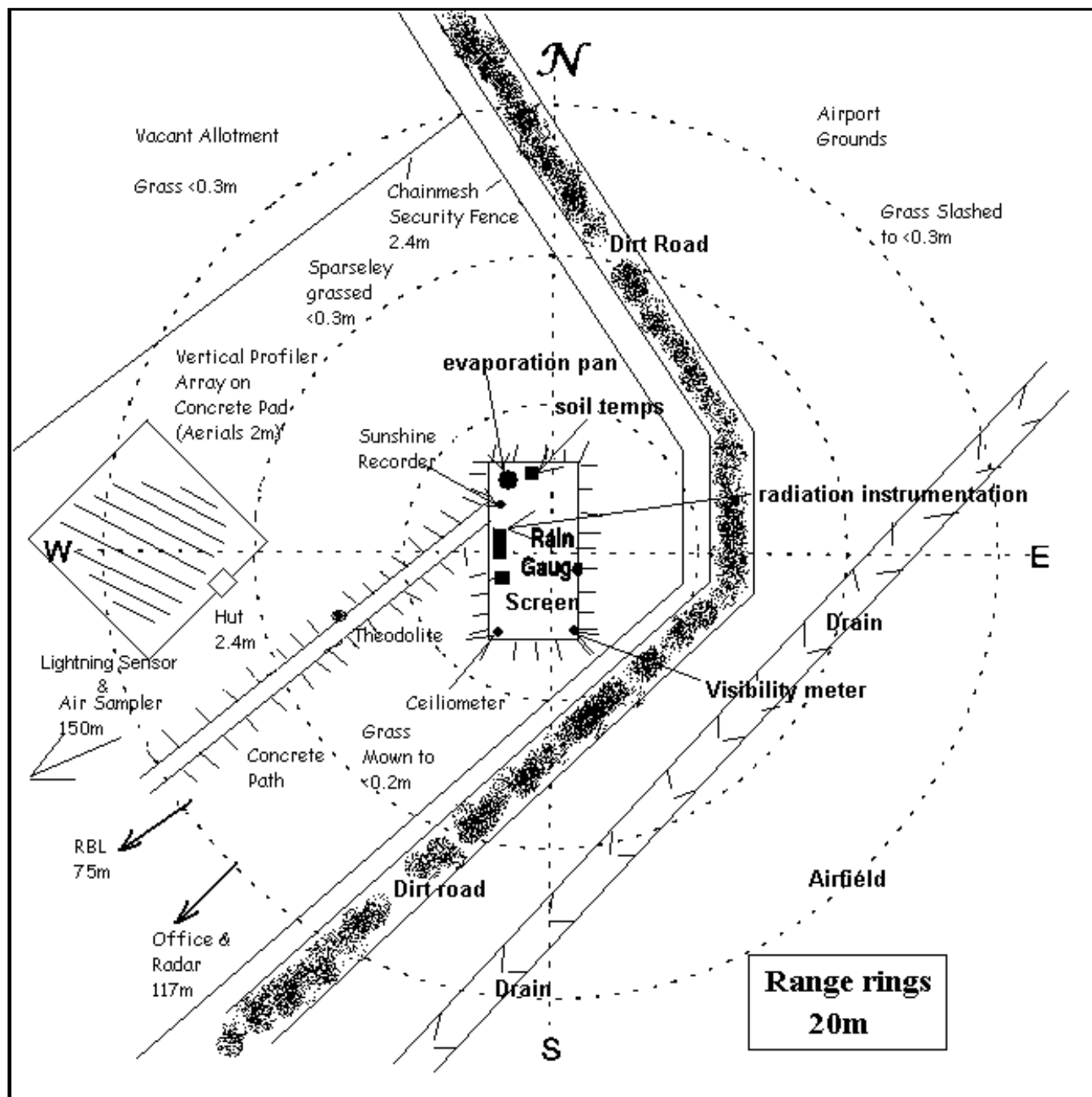
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features

12/01/2007



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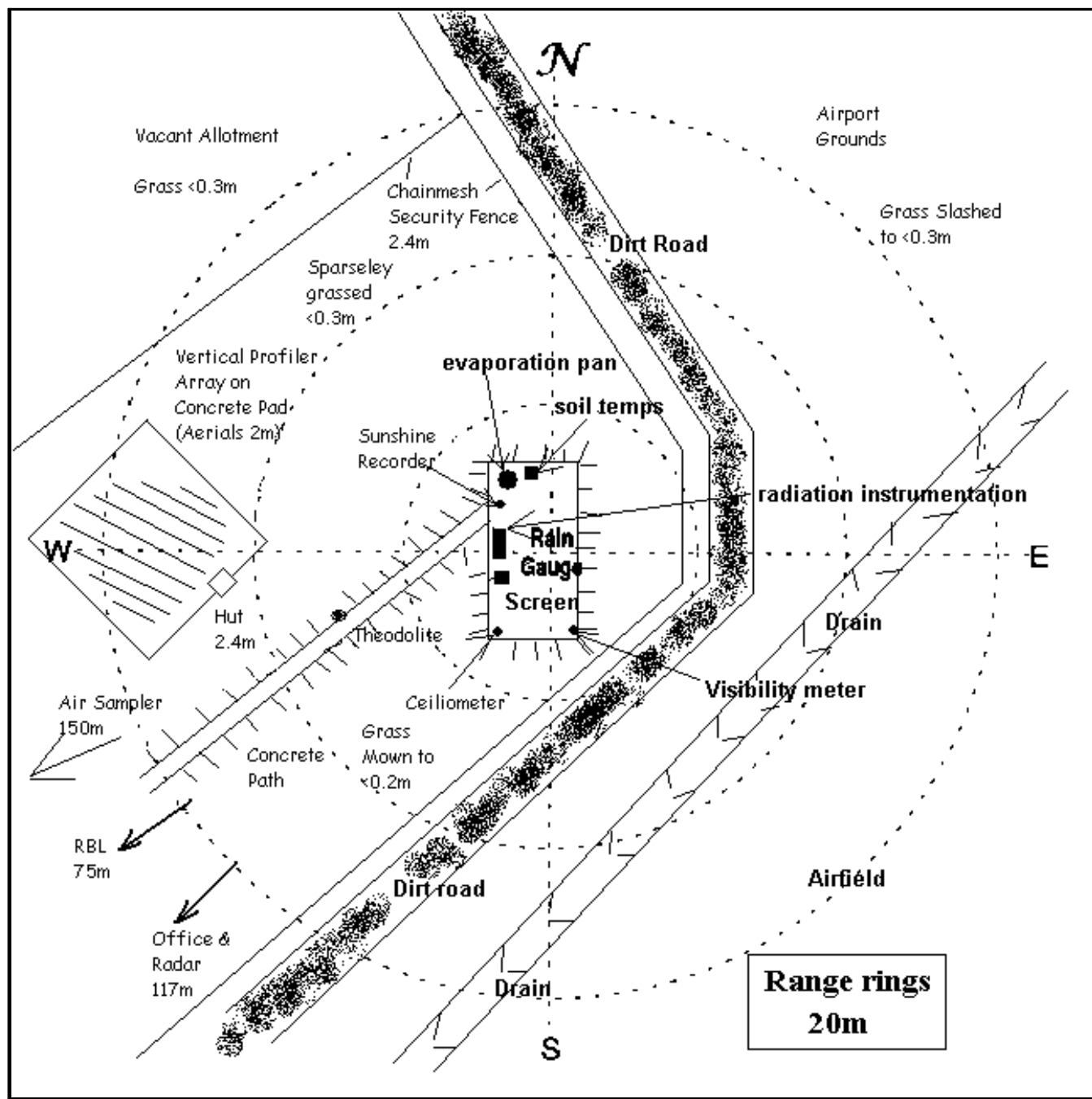
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features

13/01/2006



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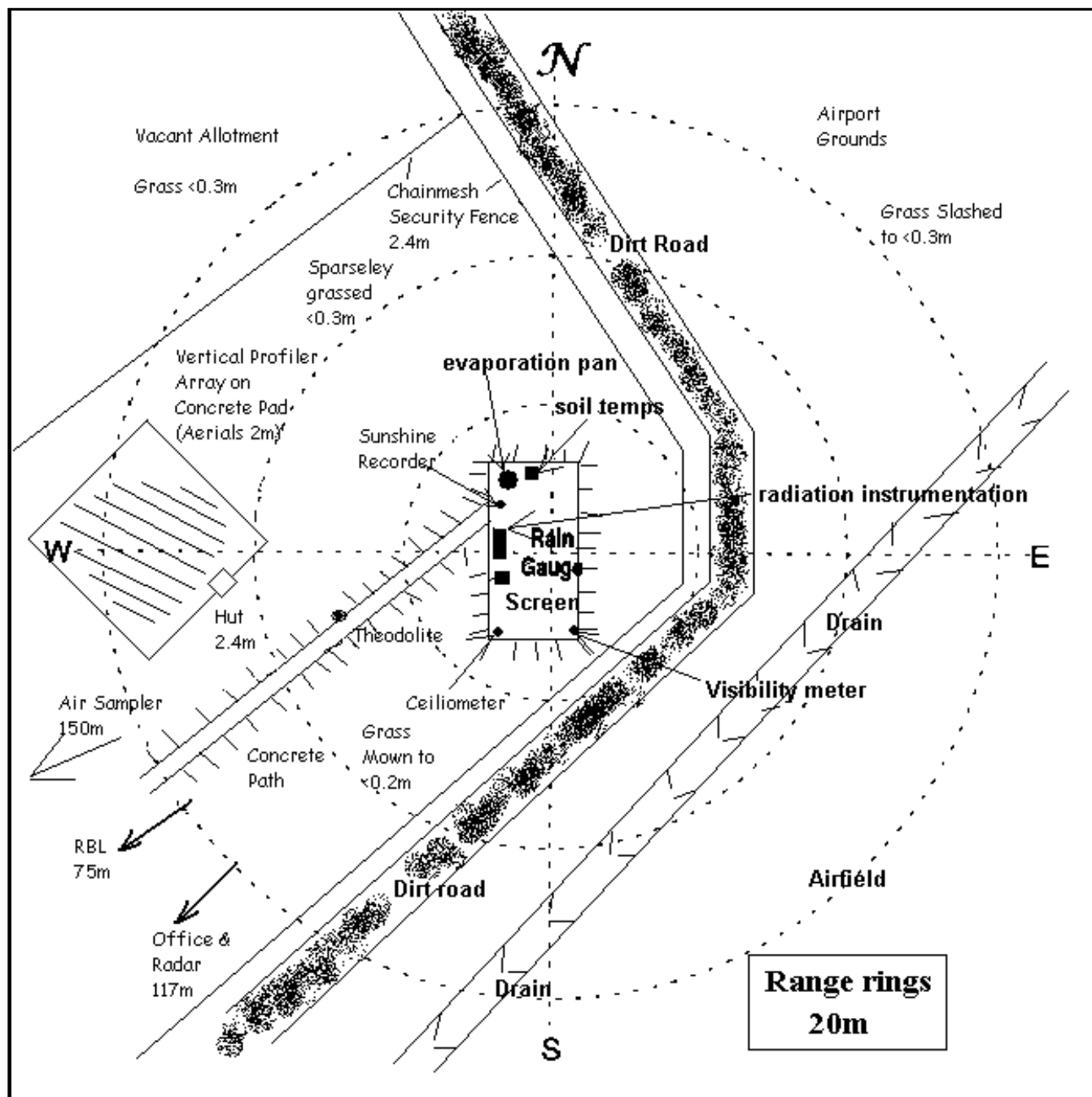
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features

09/03/2005



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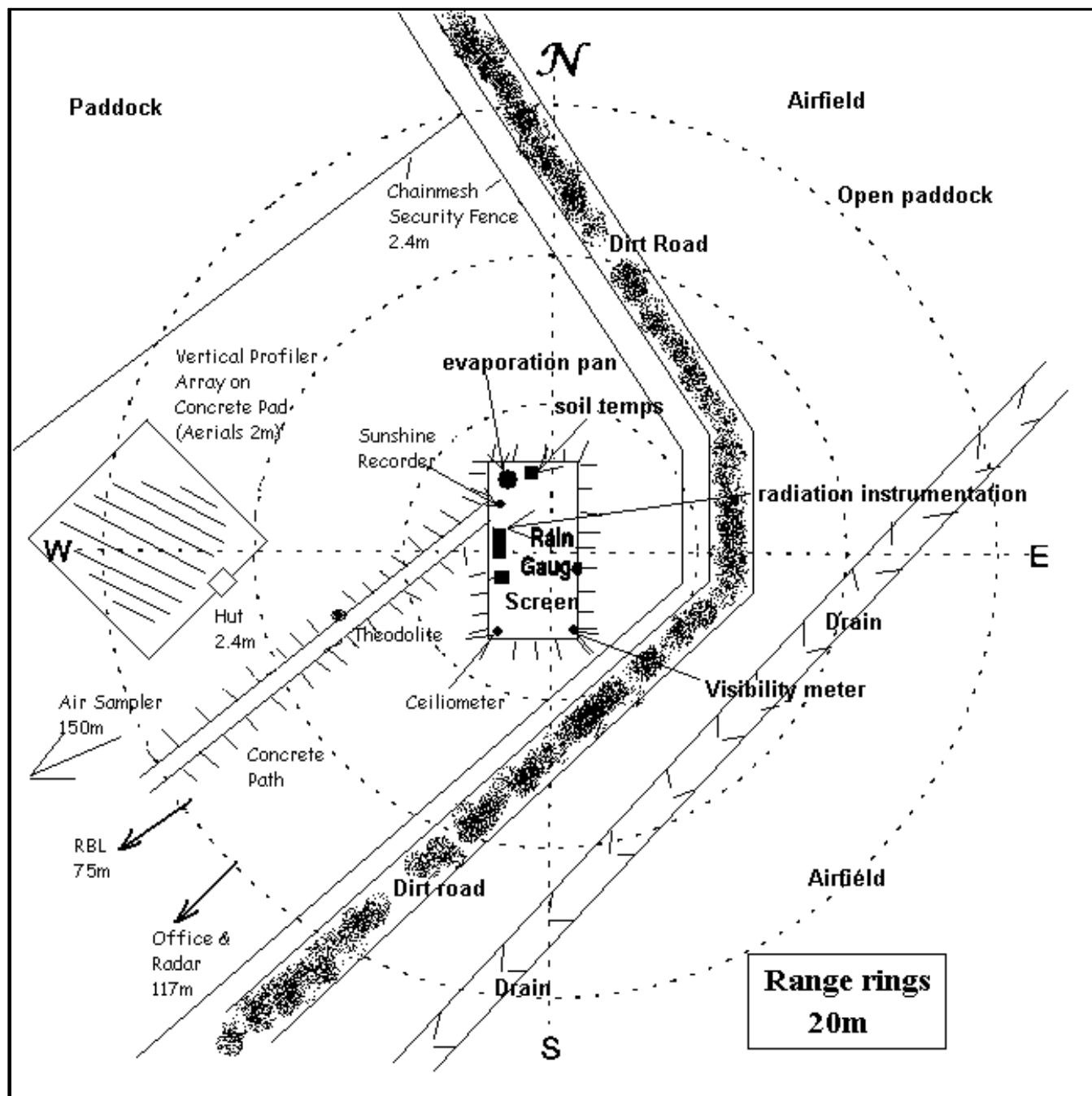
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features

09/11/2004



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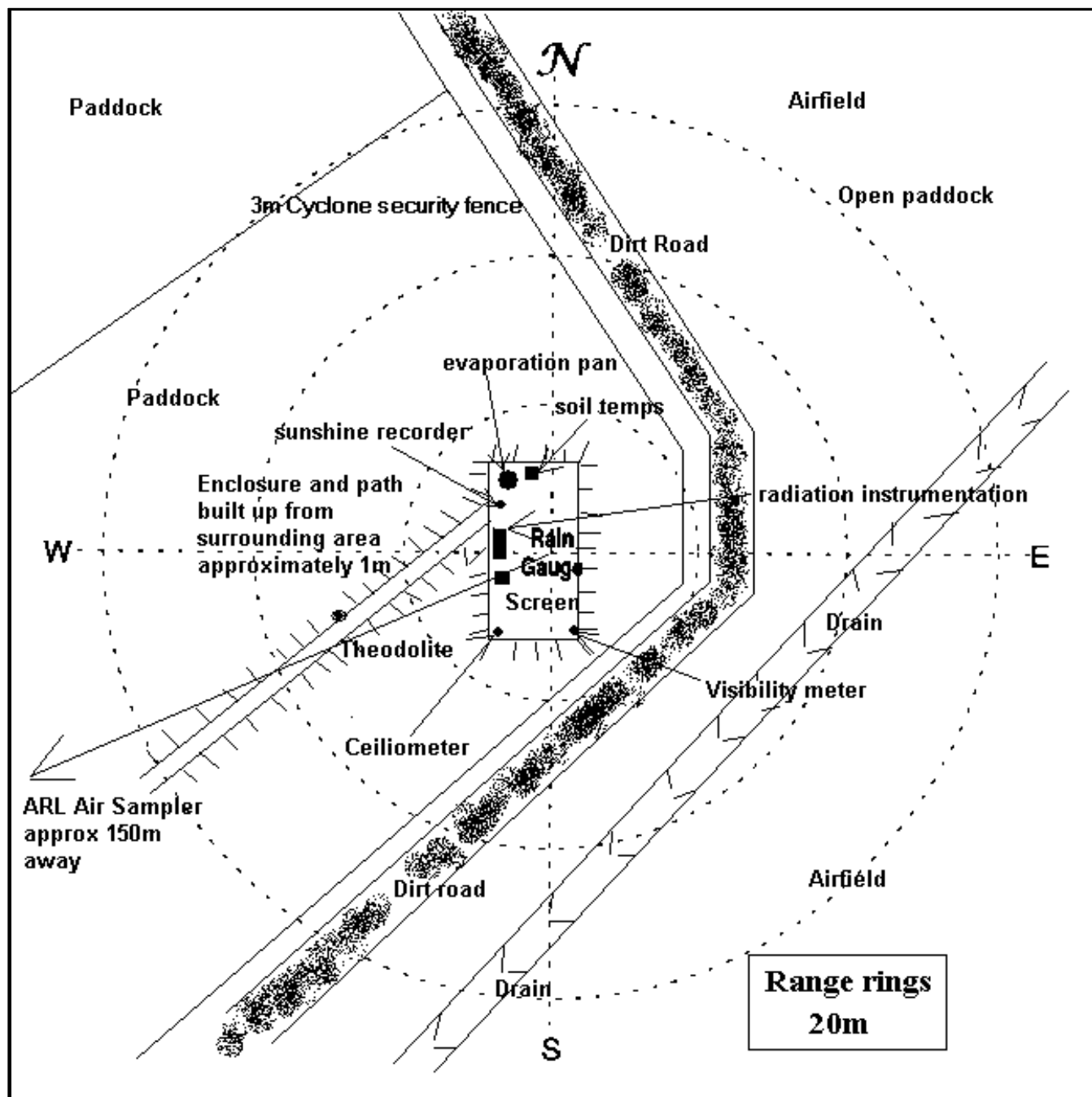
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features

17/02/2004



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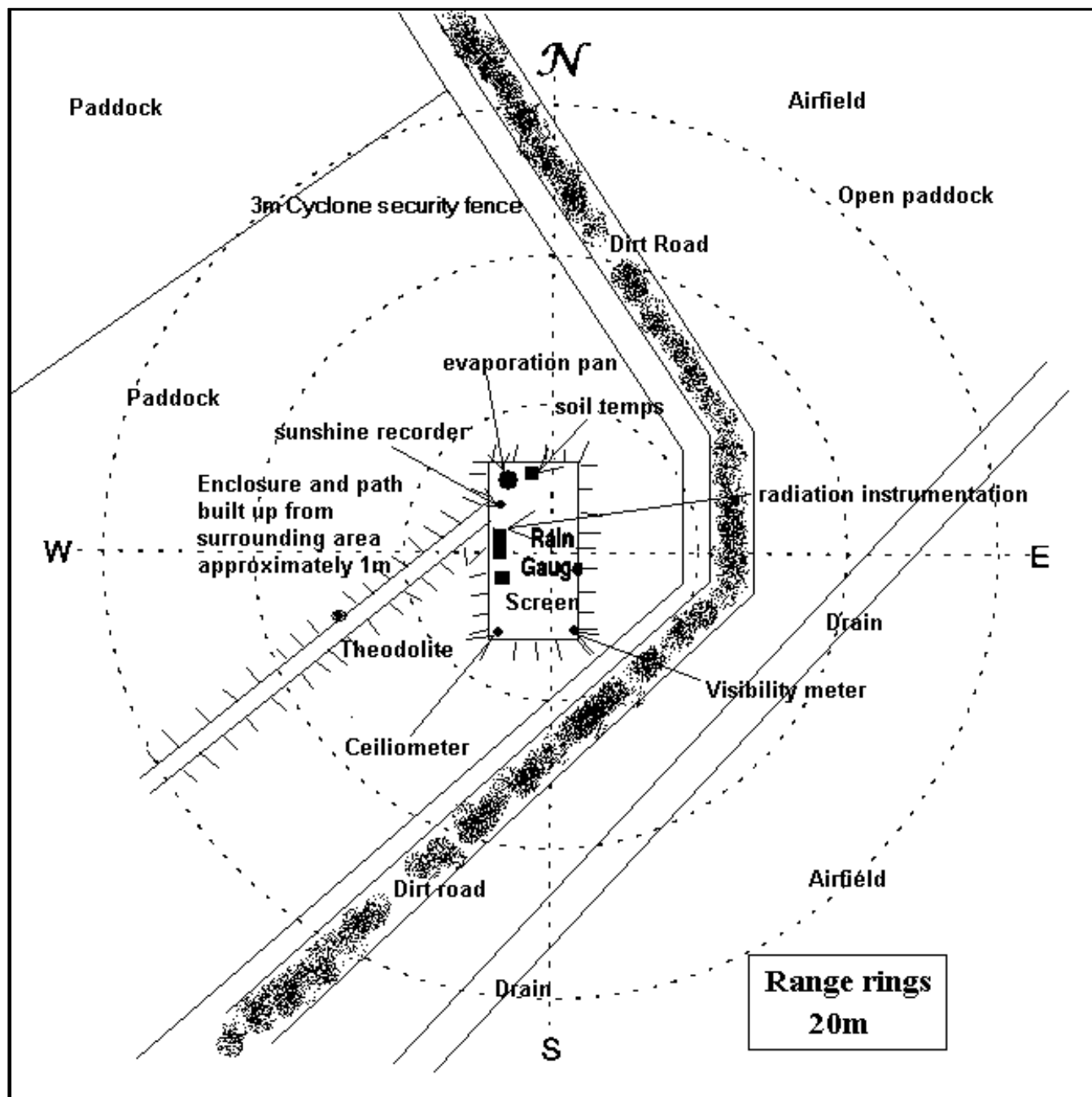
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features

06/02/2004



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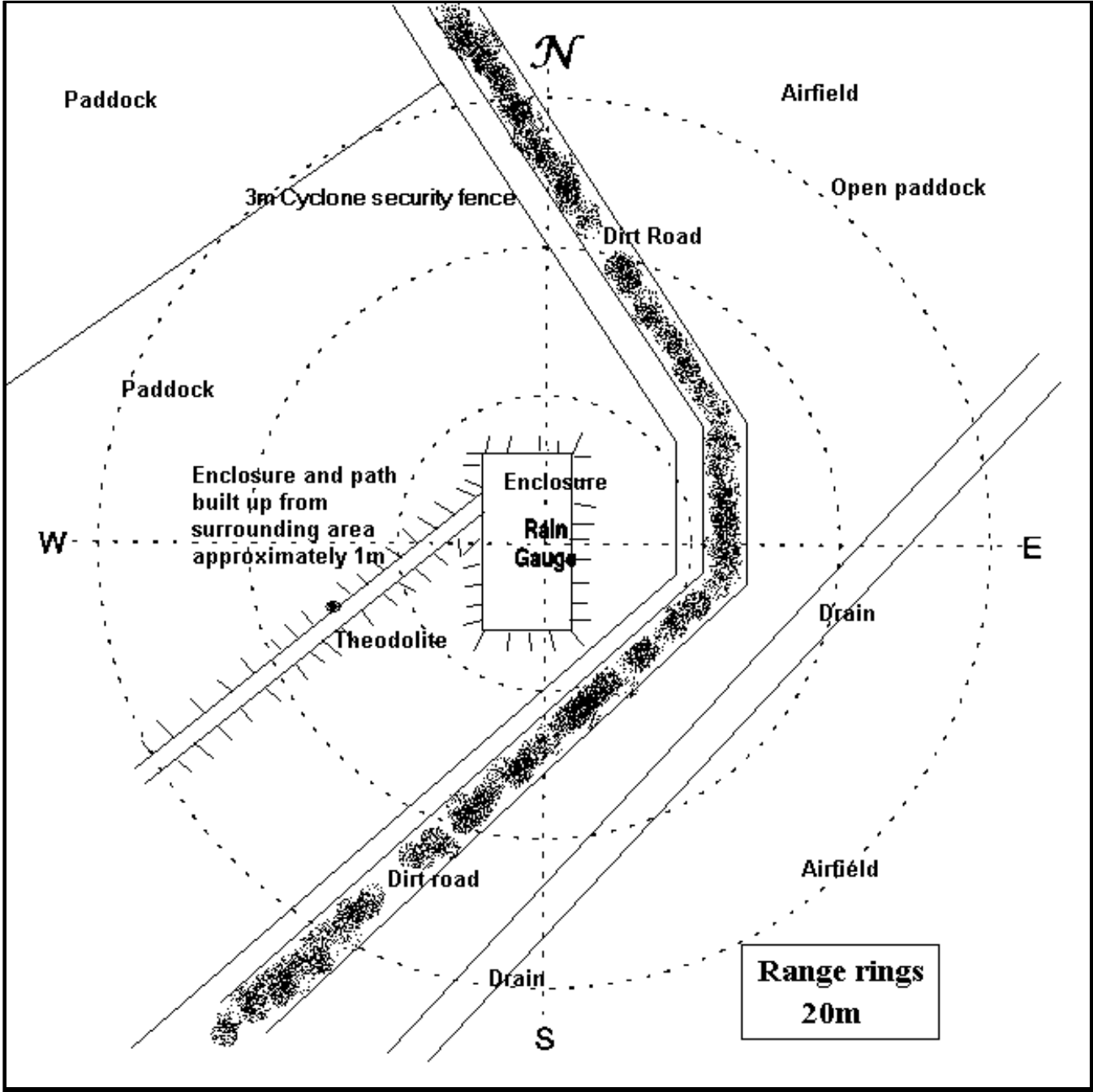
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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features
18/07/2003



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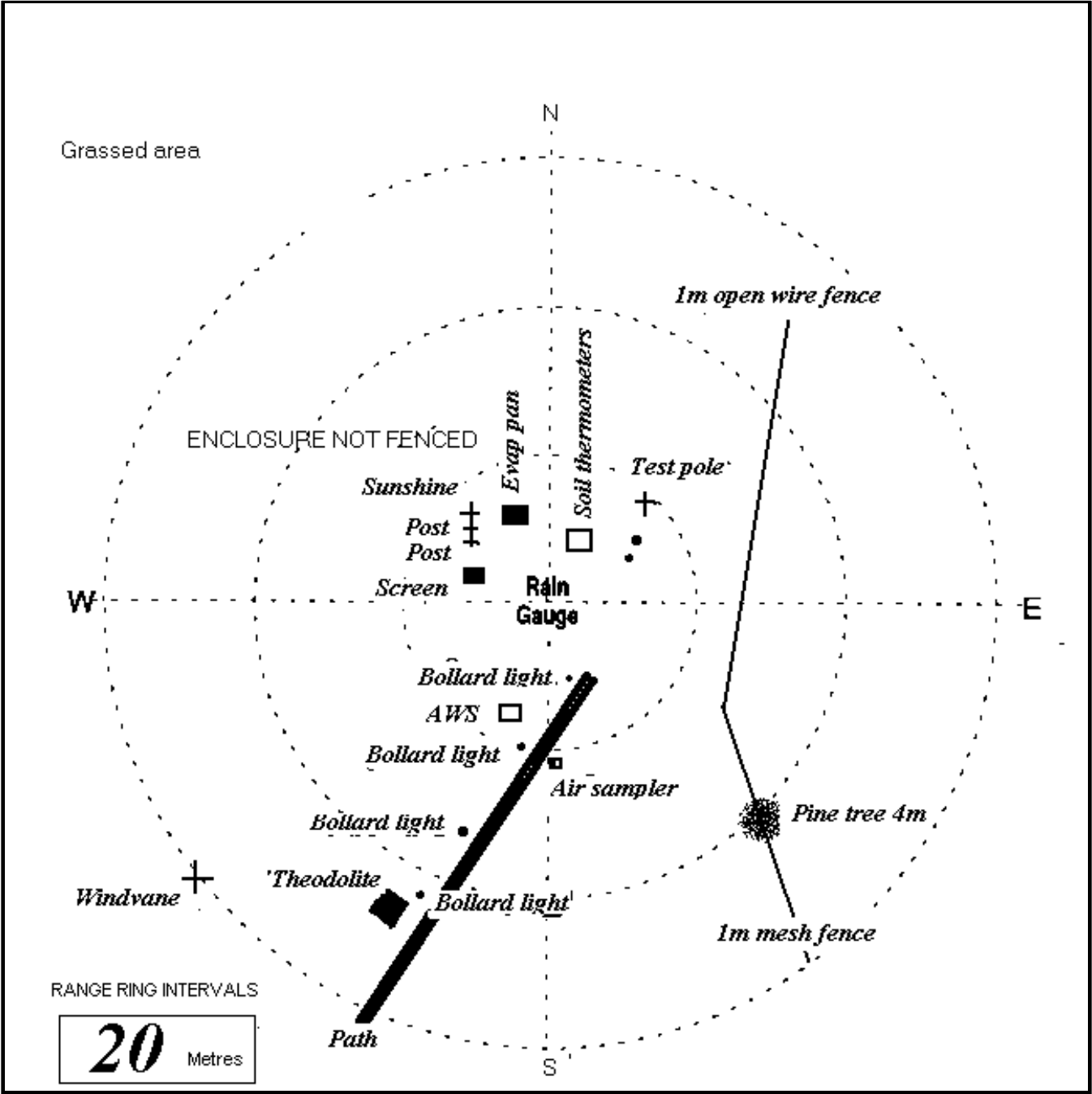
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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features
14/11/2000



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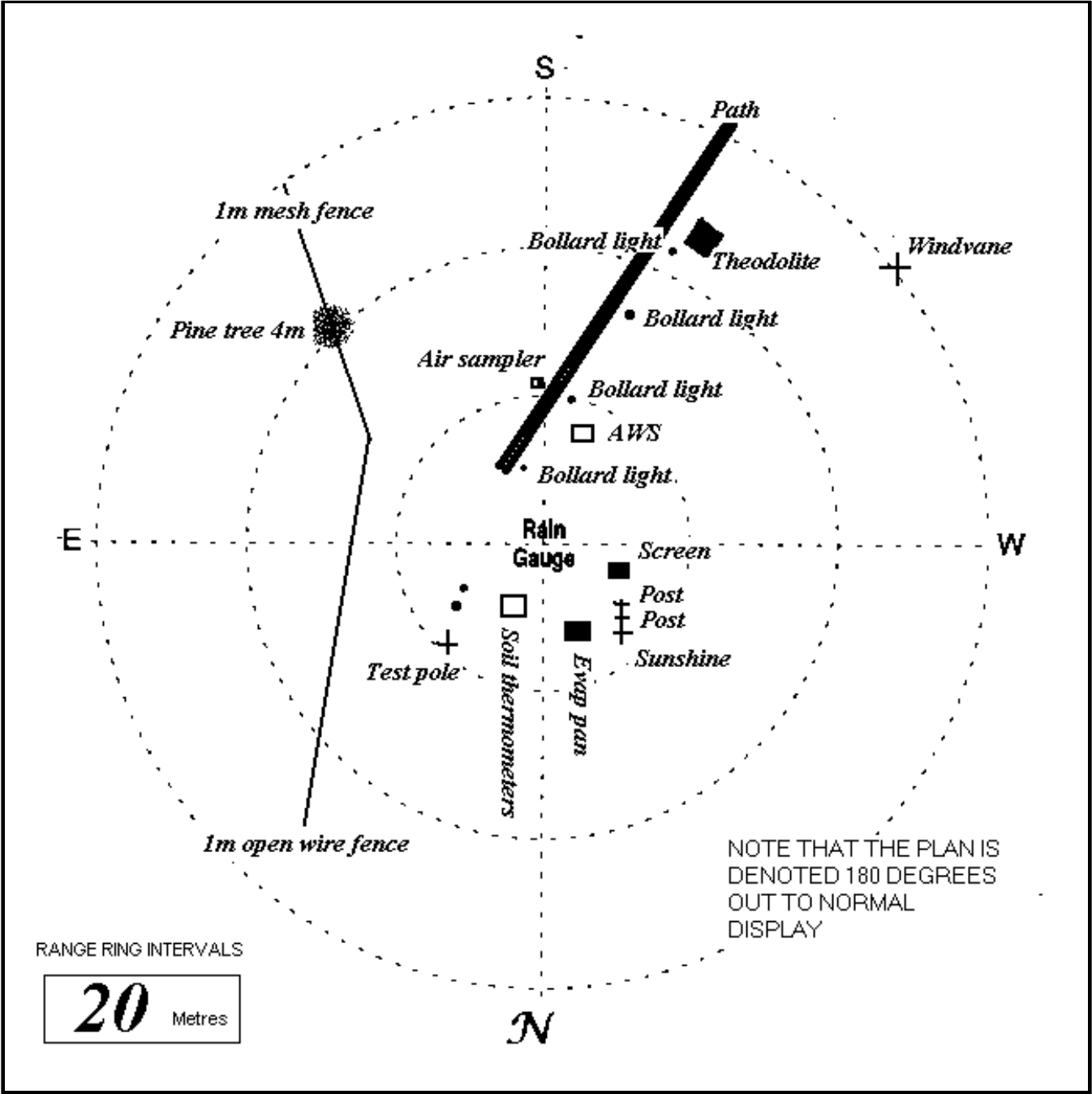
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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Instrument Location and Surrounding Features
04/11/1999



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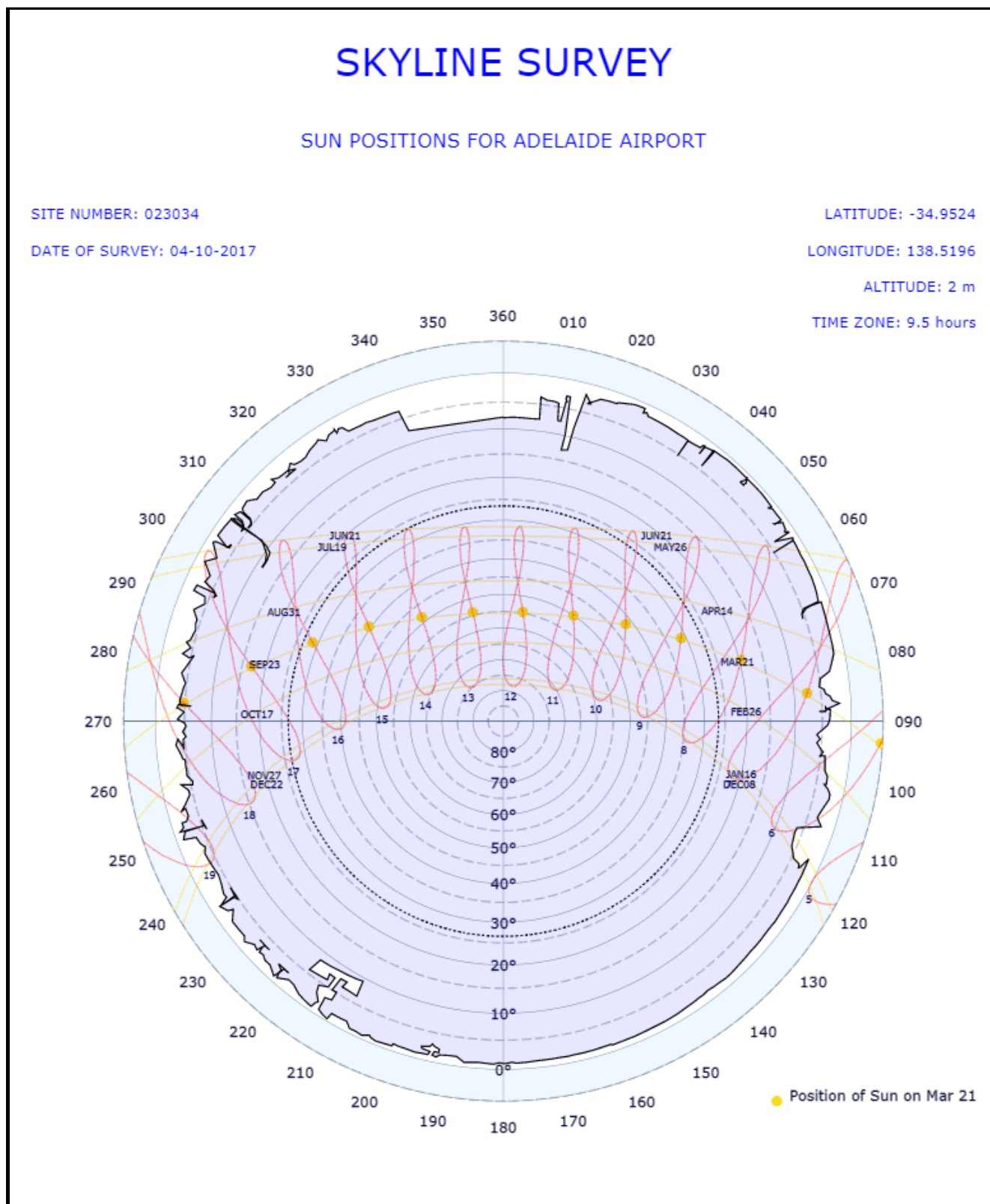
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Metadata compiled:	28 JUL 2025

Skyline Diagram

04/10/2017(most recent)



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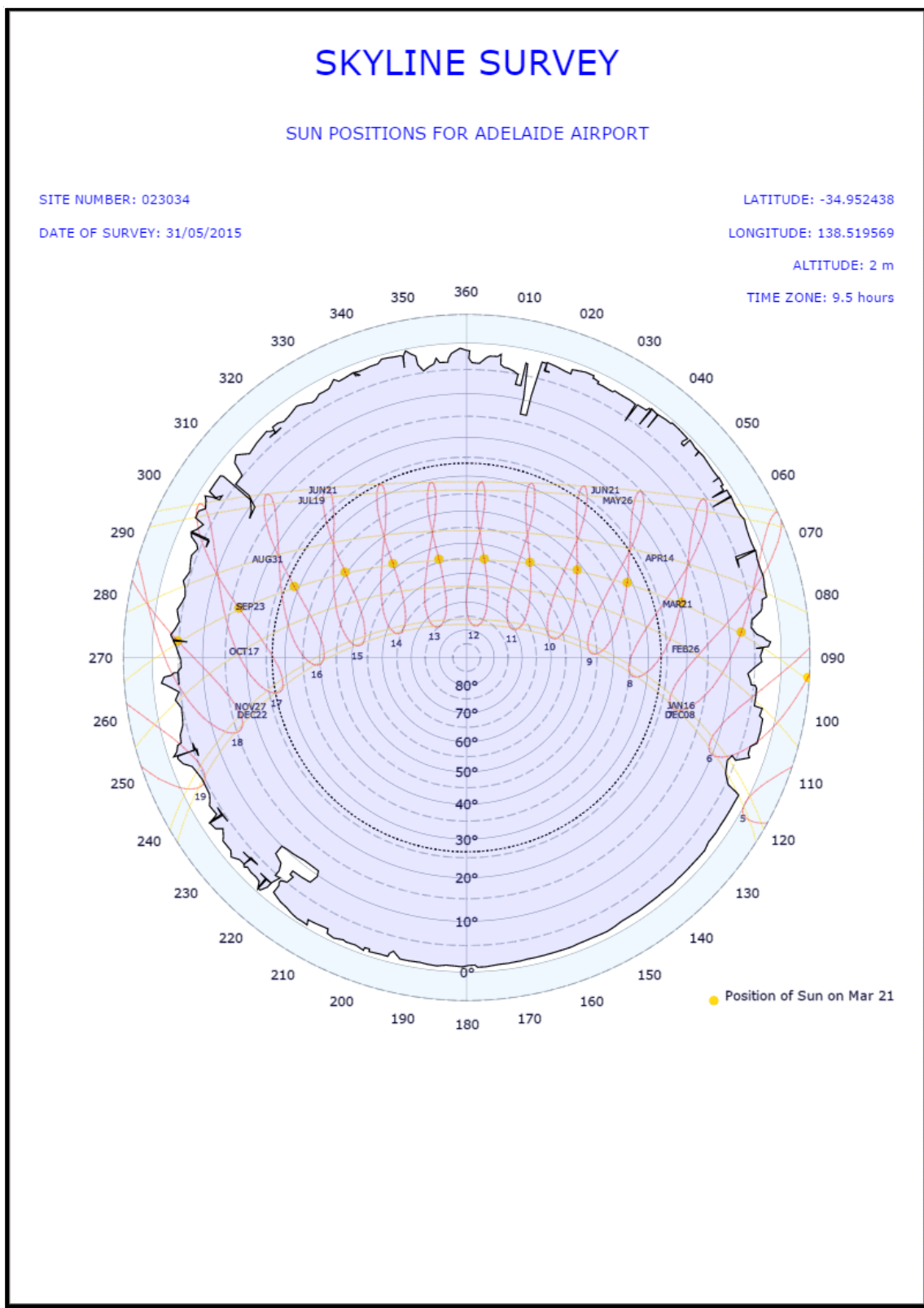
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Metadata compiled:	28 JUL 2025

Skyline Diagram

31/05/2016



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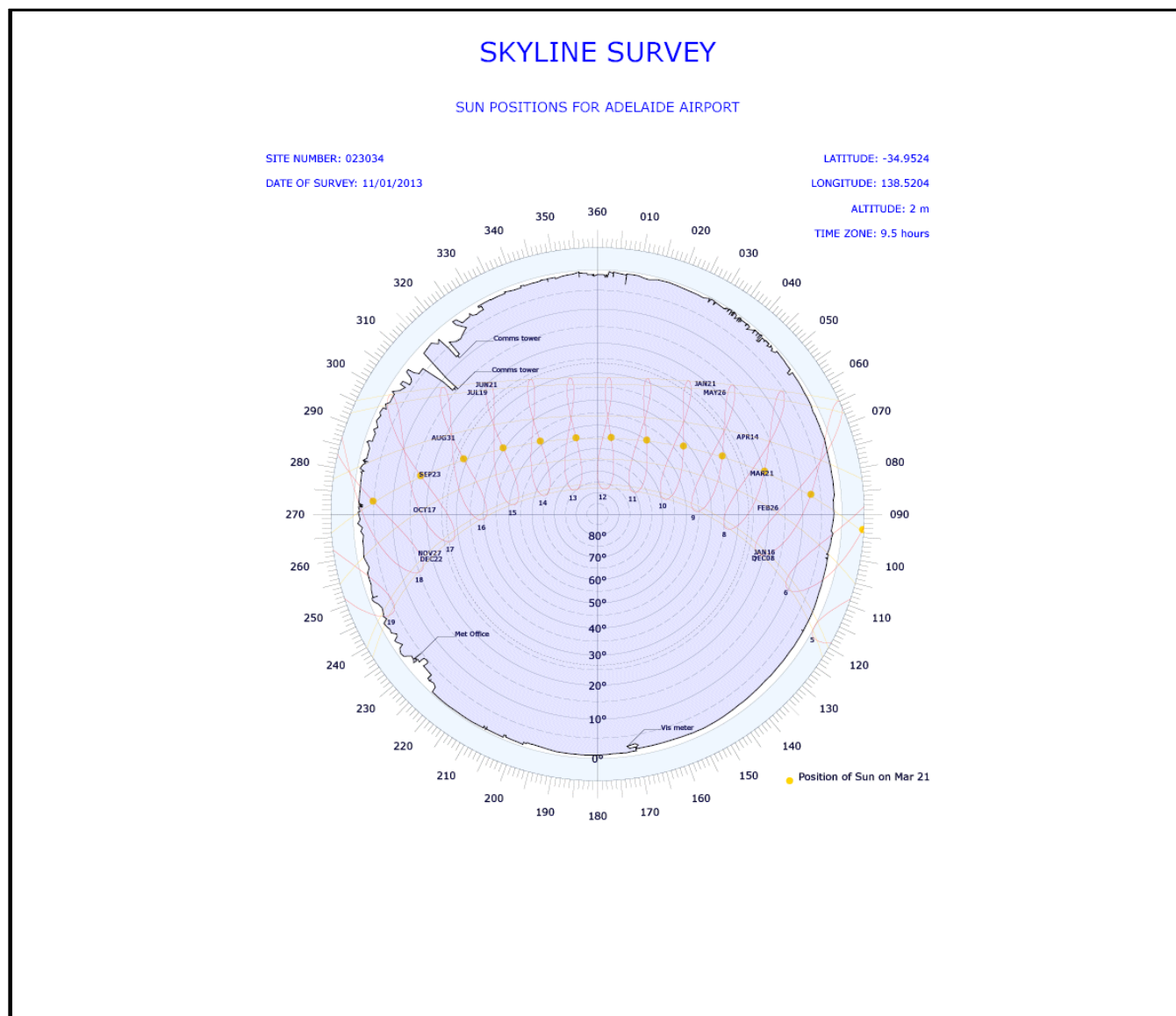
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Skyline Diagram

11/01/2013



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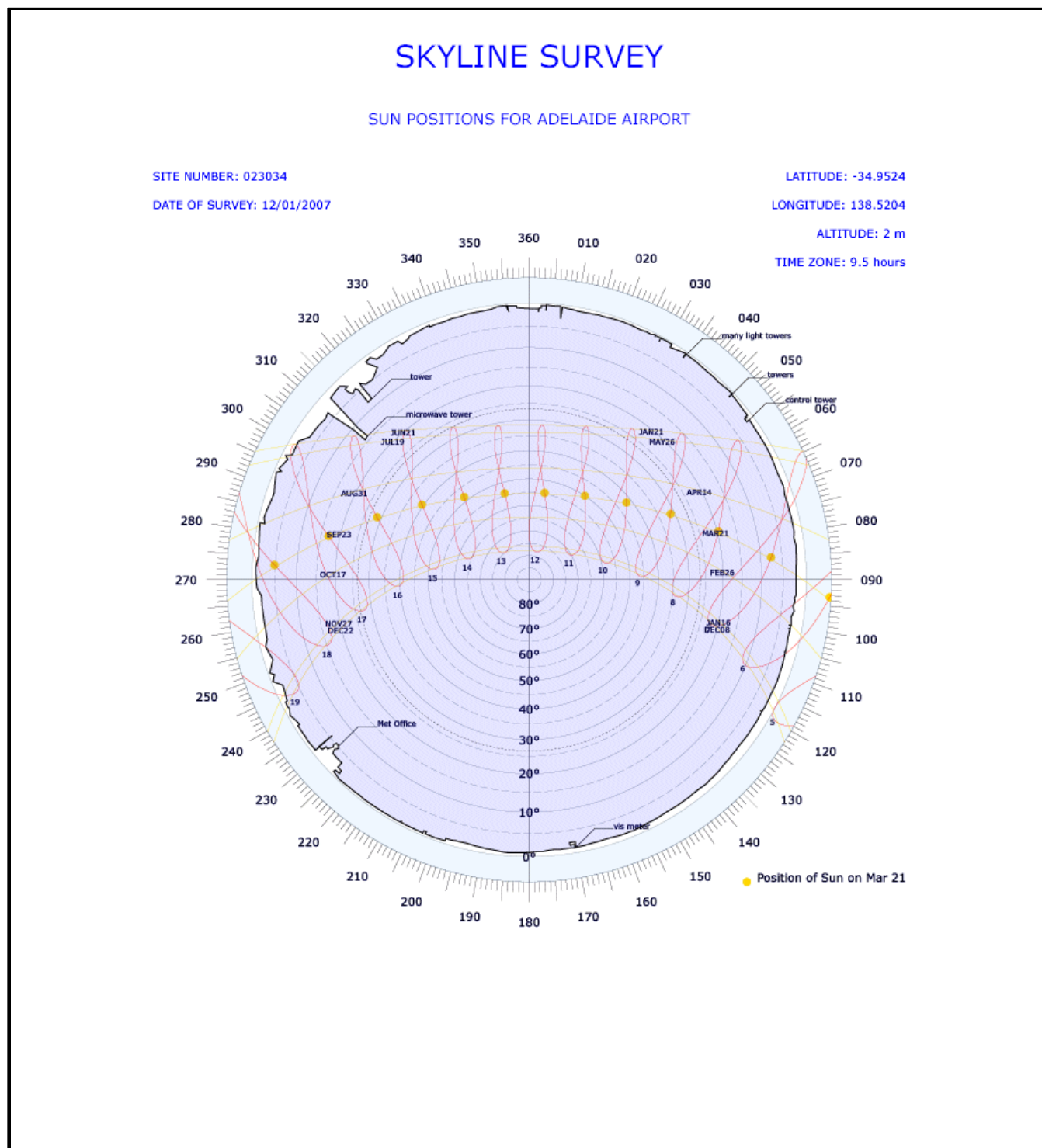
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Skyline Diagram

12/01/2007



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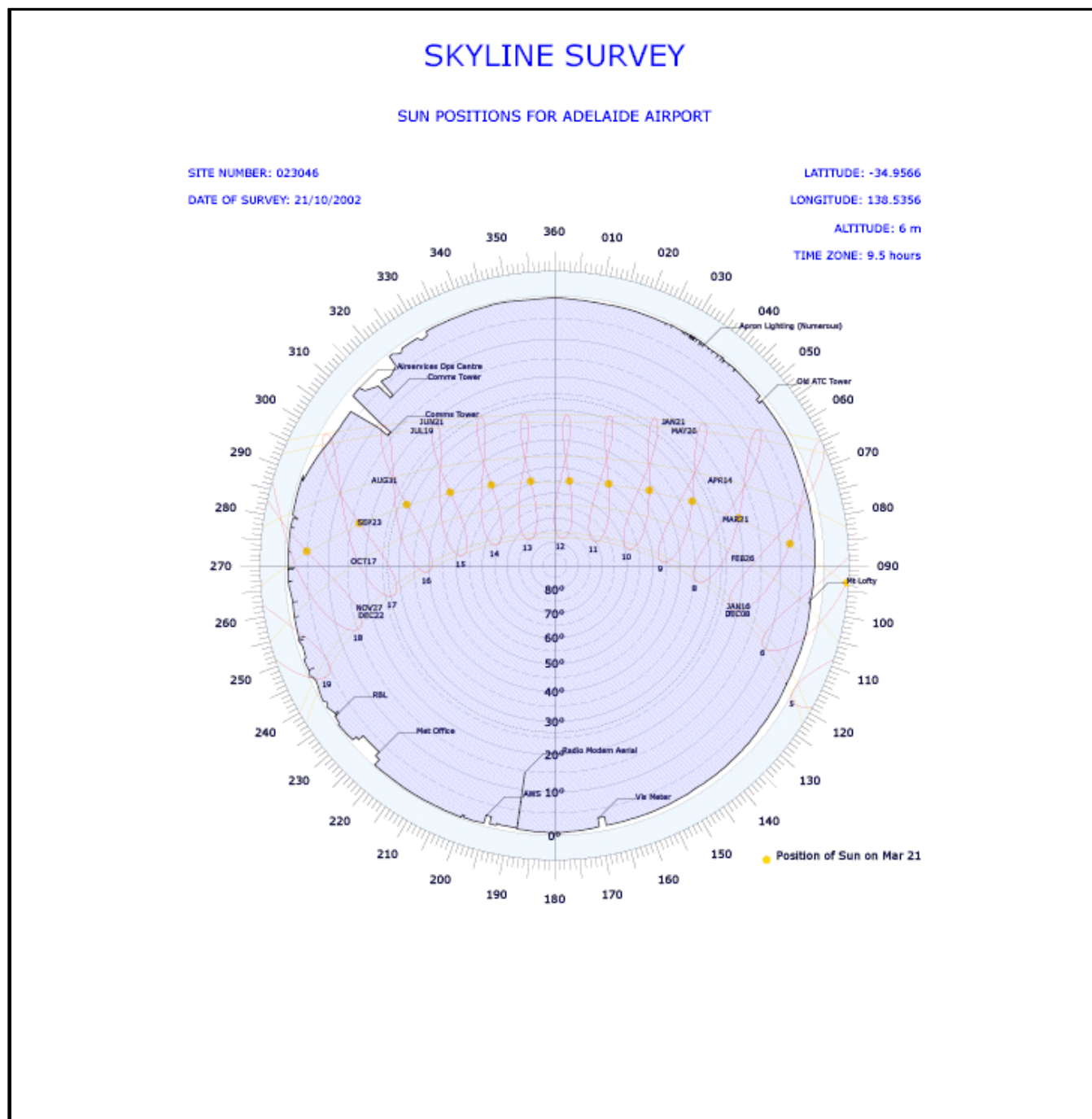
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT			Location:	ADELAIDE AIRPORT			State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955	Current Status:	Still open
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m	Metadata compiled:	28 JUL 2025

Skyline Diagram

19/12/2002



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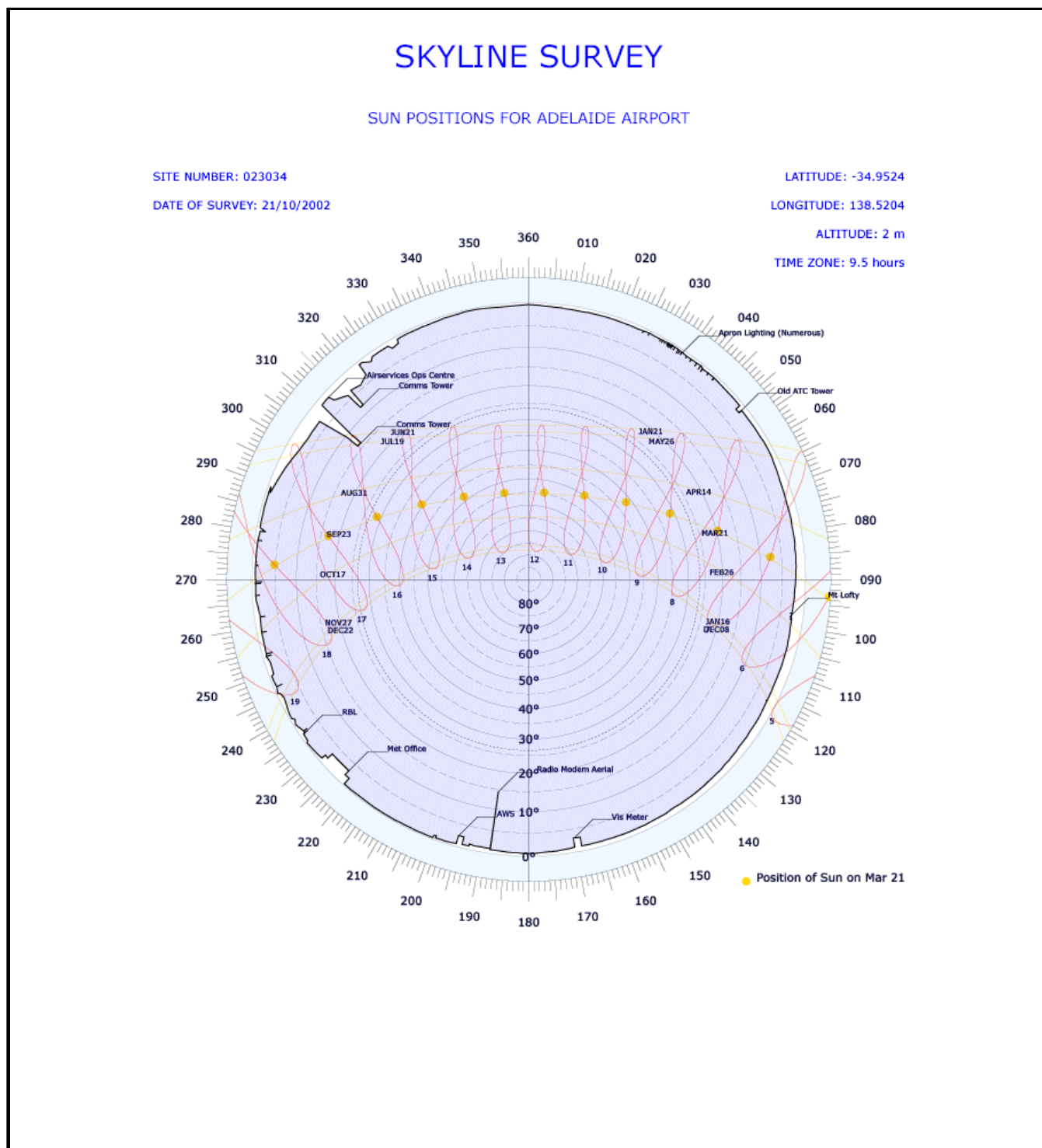
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Metadata compiled:	28 JUL 2025

Skyline Diagram

21/10/2002



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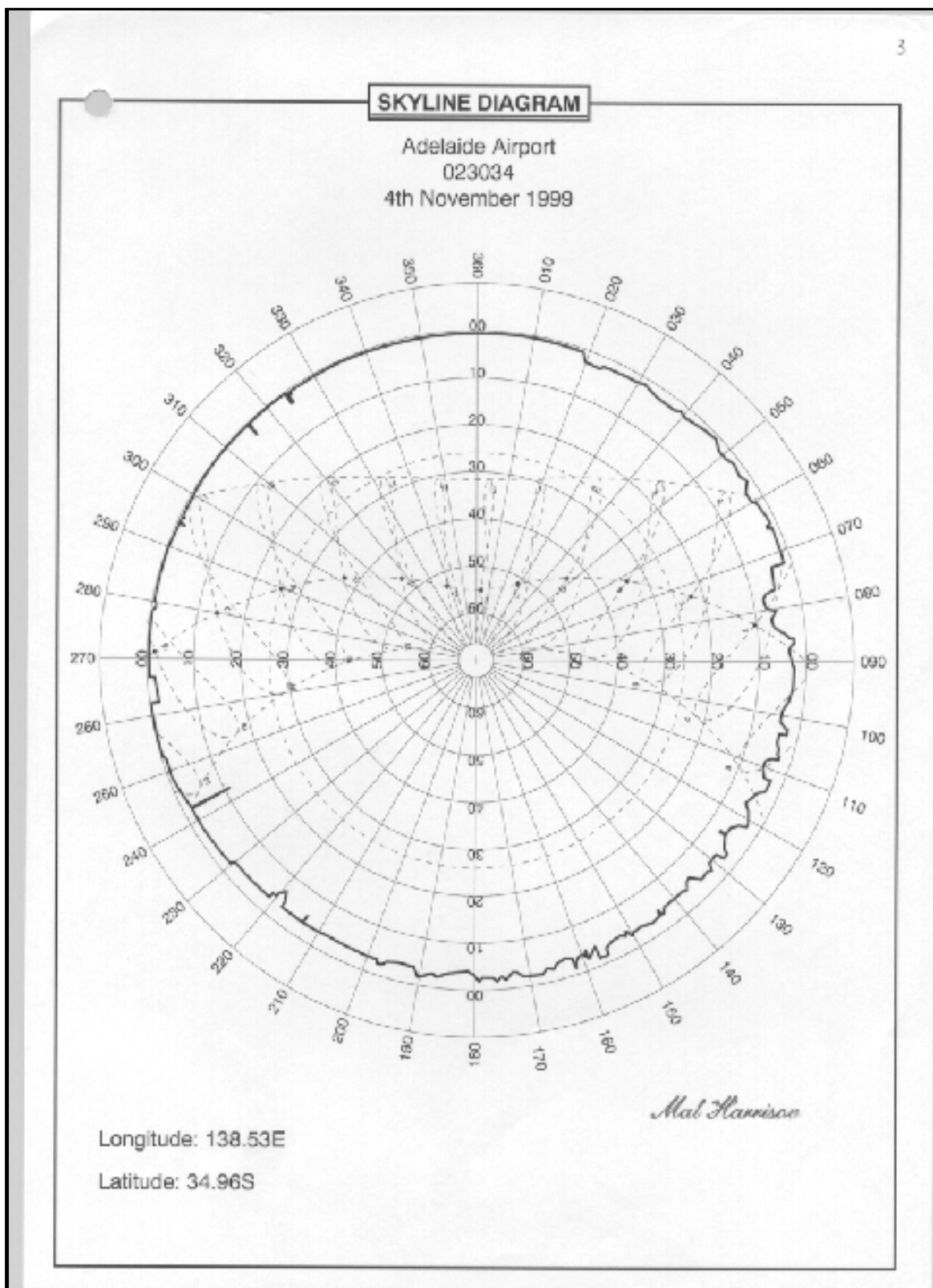
Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Skyline Diagram

04/11/1999



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Extended Climatological Station Metadata
All History

Station: ADELAIDE AIRPORT			Location: ADELAIDE AIRPORT			State: SA			
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955	Current Status:	Still open
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m	Metadata compiled:	28 JUL 2025

Station Observation Program Summary (Surface Observations) from 16/02/1955 to 15/04/1999

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	Y	Y

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

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

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

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

Upper Air Routine 01/06/1954 to 01/08/2012

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

Upper Air Routine 01/08/2012 to 01/09/2014

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

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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT			Location:	ADELAIDE AIRPORT			State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955	Current Status:	Still open
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m	Metadata compiled:	28 JUL 2025

Upper Air Routine 01/09/2014 (most recent)

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

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Extended Climatological Station Metadata
All History

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Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Station Equipment History

Equipment Install/Remove

Cloud Height

17/DEC/2002 INSTALL Ceilometer (Type Vaisala CT25K S/N - W09412) Surface Observations
09/JUL/2019 REPLACE Ceilometer (Now Vaisala CL31 S/N - R1920382) Surface Observations
02/MAR/2010 REPLACE Ceilometer (Now Vaisala CT25K S/N - A50403) Surface Observations
19/OCT/2006 REPLACE Ceilometer (Now Vaisala CT25K S/N - U14501) Surface Observations
14/FEB/2006 REPLACE Ceilometer (Now Vaisala CT25K S/N - W09406) Surface Observations
16/FEB/1955 INSTALL Cloud Base Searchlight (Type 63 Degree S/N - Unknown) Surface Observations
17/DEC/2002 REMOVE Cloud Base Searchlight (Type 63 Degree S/N - CBM5145) Surface Observations
02/SEP/1997 REPLACE Cloud Base Searchlight (Now 63 Degree S/N - CBM5145) Surface Observations

Humidity

11/JUN/2021 INSTALL Humidity Probe (Type Vaisala HMP155A S/N - T1311037) Surface Observations
01/FEB/1967 INSTALL Hygrograph (Type Fielden S/N - Unknown) Surface Observations
01/MAY/1995 INSTALL Hygrograph (Type Fielden S/N - Unknown) Surface Observations
01/OCT/1988 REMOVE Hygrograph (Type Fielden S/N - Unknown) Surface Observations
31/AUG/1999 REMOVE Hygrograph (Type Fielden S/N - Unknown) Surface Observations

Pressure Trend

04/MAY/1987 INSTALL Barograph (Type Weekly S/N - 5582) Surface Observations
17/DEC/2002 INSTALL Barograph (Type Weekly S/N - CBM0003) Surface Observations
01/JUL/1992 REMOVE Barograph (Type Weekly S/N - 5582) Surface Observations

Lightning

22/FEB/2006 INSTALL Lightning Sensor (Type Vaisala TSS928 (Thunderstorm Sensor) S/N - Z5030001) Surface Observations

Sea Surface Temperature (No Electronic History)

Magnetic Bearing (No Electronic History)

Wind Direction

16/FEB/1955 INSTALL Anemometer (Type Dines S/N - Unknown) Surface Observations
02/AUG/2005 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 64453) Surface Observations
21/OCT/1988 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations
01/FEB/1995 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WS-90WD-90) Surface Observations
04/MAY/1987 INSTALL Mast Anemometer (Type Pipe, Guyed S/N - Unknown) Infrastructure
01/FEB/1995 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure
01/FEB/1995 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure
17/DEC/2002 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure
17/DEC/2002 INSTALL Wind Run Anemometer (Type Munro S/N - 8689) Surface Observations
16/FEB/1955 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM056) Surface Observations
22/OCT/1988 REMOVE Anemometer (Type Dines S/N - Unknown) Surface Observations
01/FEB/1995 REMOVE Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations
16/DEC/2002 REMOVE Mast Anemometer (Type Pipe, Guyed S/N - Unknown) Infrastructure
28/SEP/2004 REMOVE Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure
02/FEB/1995 REMOVE Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure
16/DEC/2002 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM056) Surface Observations
02/AUG/2005 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 419) Surface Observations
04/JUN/2004 REPLACE Wind Run Anemometer (Now Munro S/N - 8684) Surface Observations
22/JUN/2004 REPLACE Wind Run Anemometer (Now Munro S/N - 8689) Surface Observations

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Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

07/OCT/2004 REPLACE Wind Run Anemometer (Now Munro S/N - CBM360) Surface Observations
24/MAY/2006 REPLACE Wind Run Anemometer (Now Munro S/N - CBM519) Surface Observations
29/NOV/2017 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM630) Surface Observations
01/MAR/2007 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM668) Surface Observations

Wet Bulb Temperature

01/FEB/1995 INSTALL Temperature Probe - Wet Bulb (Type Rosemount S/N - NONE) Surface Observations
17/DEC/2002 INSTALL Temperature Probe - Wet Bulb (Type Rosemount ST2401 S/N - 0666) Surface Observations
16/DEC/2002 REMOVE Temperature Probe - Wet Bulb (Type Rosemount S/N - NONE) Surface Observations
11/JUN/2021 REMOVE Temperature Probe - Wet Bulb (Type Rosemount ST2401 S/N - 0666) Surface Observations
17/DEC/2002 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 20404) Surface Observations
16/FEB/1955 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 4622) Surface Observations
16/DEC/2002 REMOVE Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - 4622) Surface Observations
20/SEP/2019 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - M1906) Surface Observations
12/JAN/2007 REPLACE Thermometer, Mercury, Wet Bulb (Now Dobbie S/N - M6009) Surface Observations

Solar Radiation (Long Wave)

01/MAR/2003 INSTALL Pyrgeometer (Type Epply PIR S/N - 27703F3) Radiation

Spectral Radiation

01/MAR/2003 INSTALL Photometer Head (Type SPO2 Mk1 S/N - 1001) Radiation
07/MAR/2003 REPLACE Photometer Head (Now SPO2 Mk1 S/N - 1013) Radiation

Maximum Temperature

17/DEC/2002 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - 23403) Surface Observations
16/FEB/1955 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - M1437) Surface Observations
16/DEC/2002 REMOVE Thermometer, Mercury, Max (Type Dobbie S/N - M1437) Surface Observations
14/MAR/2004 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - M2467) Surface Observations
23/JUL/2010 REPLACE Thermometer, Mercury, Max (Now WIKA S/N - 28860) Surface Observations

Soil Temperature 10cm

01/JAN/1994 INSTALL Thermometer, Soil, 10cm (Type Dobros S/N - 9572455) Surface Observations
17/DEC/2002 INSTALL Thermometer, Soil, 10cm (Type Dobros S/N - 9725451) Surface Observations
16/DEC/2002 REMOVE Thermometer, Soil, 10cm (Type Dobros S/N - 9572455) Surface Observations
31/MAY/2016 REPLACE Thermometer, Soil, 10cm (Now Amarol S/N - 9566434) Surface Observations

Soil Temperature 20cm

17/DEC/2002 INSTALL Thermometer, Soil, 20cm (Type Dobros S/N - 0011822) Surface Observations
01/JAN/1994 INSTALL Thermometer, Soil, 20cm (Type Unknown S/N - Unknown) Surface Observations
16/DEC/2002 REMOVE Thermometer, Soil, 20cm (Type Dobros S/N - 9604821) Surface Observations
02/JUL/2004 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 0270779) Surface Observations
20/JUL/2007 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 0270787) Surface Observations
31/MAY/2016 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 9604854) Surface Observations
31/AUG/1998 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - 9604821) Surface Observations
22/MAY/2003 REPLACE Thermometer, Soil, 20cm (Now Dobros S/N - M4052) Surface Observations
24/AUG/2009 REPLACE Thermometer, Soil, 20cm (Now Unknown S/N - 9566407) Surface Observations

Soil Temperature 50cm

17/DEC/2002 INSTALL Thermometer, Soil, 50cm (Type Amarol S/N - 0269691) Surface Observations
01/JAN/1994 INSTALL Thermometer, Soil, 50cm (Type Dobros S/N - CBM132) Surface Observations

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Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Current Status:	Still open
						Barometer Elev:	8.2 m
							Metadata compiled: 28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

16/DEC/2002 REMOVE Thermometer, Soil, 50cm (Type Dobros S/N - CBM132) Surface Observations
31/MAY/2016 REPLACE Thermometer, Soil, 50cm (Now Unknown S/N - M6098) Surface Observations

Snow Height (No Electronic History)

Soil Temperature 100cm

17/DEC/2002 INSTALL Thermometer, Soil, 100cm (Type Amarol S/N - 0269679) Surface Observations
01/JAN/1994 INSTALL Thermometer, Soil, 100cm (Type Dobros S/N - M2243) Surface Observations
16/DEC/2002 REMOVE Thermometer, Soil, 100cm (Type Dobros S/N - M2243) Surface Observations
31/MAY/2016 REPLACE Thermometer, Soil, 100cm (Now Amarol S/N - 9566078) Surface Observations
13/DEC/2004 REPLACE Thermometer, Soil, 100cm (Now Amarol S/N - A9564488) Surface Observations

Sunshine Hours

17/DEC/2002 INSTALL Sunshine Recorder (Type Campbell-Stokes S/N - 6243) Surface Observations
17/AUG/1983 INSTALL Sunshine Recorder (Type Campbell-Stokes S/N - CBM008) Surface Observations
16/DEC/2002 REMOVE Sunshine Recorder (Type Campbell-Stokes S/N - CBM008) Surface Observations

Wind Run

17/DEC/2002 INSTALL Wind Run Anemometer (Type Munro S/N - 8689) Surface Observations
16/FEB/1955 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM056) Surface Observations
16/DEC/2002 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM056) Surface Observations
04/JUN/2004 REPLACE Wind Run Anemometer (Now Munro S/N - 8684) Surface Observations
22/JUN/2004 REPLACE Wind Run Anemometer (Now Munro S/N - 8689) Surface Observations
07/OCT/2004 REPLACE Wind Run Anemometer (Now Munro S/N - CBM360) Surface Observations
24/MAY/2006 REPLACE Wind Run Anemometer (Now Munro S/N - CBM519) Surface Observations
29/NOV/2017 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM630) Surface Observations
01/MAR/2007 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM668) Surface Observations

Minimum Temperature

04/NOV/1999 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 18970) Surface Observations
17/DEC/2002 INSTALL Thermometer, Alcohol, Min (Type WIKA S/N - 31914) Surface Observations
16/DEC/2002 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - M3600) Surface Observations
02/JAN/2002 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - M3600) Surface Observations
16/DEC/2014 REPLACE Thermometer, Alcohol, Min (Now WIKA S/N - 31267) Surface Observations

Terrestrial Minimum Temperature

01/SEP/1959 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - Unknown) Surface Observations
17/DEC/2002 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 13200) Surface Observations
06/FEB/2005 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 23336) Surface Observations
26/MAY/2009 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 29111) Surface Observations
13/JAN/2006 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 43081) Surface Observations
29/MAY/2007 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 43081) Surface Observations
28/APR/2006 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M3517) Surface Observations
16/DEC/2002 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M3517) Surface Observations
06/NOV/1999 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - M3592) Surface Observations
22/APR/2010 REPLACE Thermometer, Terrestrial, Min (Now Unknown S/N - 43073) Surface Observations
17/MAR/2016 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 30383) Surface Observations
09/DEC/2010 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 31176) Surface Observations
02/MAY/2011 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 31877) Surface Observations

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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

16/DEC/2014 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 31914) Surface Observations

Visibility

17/DEC/2002 INSTALL Visibility Meter (Type Vaisala FD12 S/N - W10308) Surface Observations

Soil Temperature 5cm

17/DEC/2002 INSTALL Thermometer, Soil, 5cm (Type Dobros S/N - 9566475) Surface Observations

31/MAY/2016 REPLACE Thermometer, Soil, 5cm (Now Dobros S/N - CBM050) Surface Observations

Sub Surface Temperature (No Electronic History)

Electrical Conductivity (No Electronic History)

Oxygen Content (No Electronic History)

RF Reflectivity

01/JUN/1954 INSTALL Radar (Type 277F S/N - Unknown) Upper Air

01/JUN/1954 INSTALL Radar (Type 277F S/N - Unknown) WeatherWatch

18/FEB/2009 INSTALL Radar (Type WF100-5C S/N - Unknown) Upper Air

01/JUN/1972 INSTALL Radar (Type WF44 S/N - NONE) Upper Air

01/JUN/1972 INSTALL Radar (Type WF44 S/N - NONE) WeatherWatch

18/FEB/2009 INSTALL Radar Interface (Type BOM S/N - Unknown) Upper Air

01/JUN/1972 INSTALL Radar Tower (Type Lattice WF44 - 18 ft S/N - NONE) Infrastructure

01/MAY/1972 REMOVE Radar (Type 277F S/N - Unknown) Upper Air

01/MAY/1972 REMOVE Radar (Type 277F S/N - Unknown) WeatherWatch

01/SEP/2014 REMOVE Radar (Type WF100-5C S/N - Unknown) Upper Air

17/NOV/2008 REMOVE Radar (Type WF44 S/N - NONE) Upper Air

17/NOV/2008 REMOVE Radar (Type WF44 S/N - NONE) WeatherWatch

01/SEP/2014 REMOVE Radar Interface (Type BOM S/N - Unknown) Upper Air

16/DEC/2002 REMOVE Radar Tower (Type Lattice WF44 - 18 ft S/N - NONE) Infrastructure

Total Column Ozone Amount (No Electronic History)

Pressure

16/FEB/1955 INSTALL Barometer (Type Kew pattern mercury S/N - 1769) Surface Observations

16/FEB/1955 INSTALL Barometer (Type Kew pattern mercury S/N - 1846) Surface Observations

07/MAY/1992 INSTALL Barometer (Type Vaisala PA11A S/N - 458180) Surface Observations

17/DEC/2002 INSTALL Barometer (Type Vaisala PTB220B S/N - W4920008) Surface Observations

01/DEC/1996 REMOVE Barometer (Type Kew pattern mercury S/N - 1769) Surface Observations

01/JUL/1992 REMOVE Barometer (Type Kew pattern mercury S/N - 1846) Surface Observations

16/DEC/2002 REMOVE Barometer (Type Vaisala PA11A S/N - 458180) Surface Observations

07/NOV/2013 REPLACE Barometer (Now Vaisala PTB330B (General Use) S/N - J3750016) Surface Observations

Evaporation

01/DEC/1977 INSTALL Evaporation Pan (Type Class A S/N - NONE) Surface Observations

17/DEC/2002 INSTALL Evaporation Pan (Type Class A S/N - NONE) Surface Observations

16/DEC/2002 REMOVE Evaporation Pan (Type Class A S/N - NONE) Surface Observations

12/JAN/2008 REPLACE Evaporation Pan (Now Class A S/N - NONE) Surface Observations

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

Rainfall

01/JAN/1967 INSTALL Pluviograph (Type Dines syphoning S/N - Unknown) Rainfall Intensity

30/APR/1998 REMOVE Pluviograph (Type Dines syphoning S/N - Unknown) Rainfall Intensity

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Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
						Current Status:	Still open
						Metadata compiled:	28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

16/FEB/1955 INSTALL Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations
17/DEC/2002 INSTALL Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations
01/FEB/1995 INSTALL Raingauge (Type HS TB3A-0.2 S/N - 94-285) Surface Observations
18/DEC/2013 INSTALL Raingauge (Type HS-TB3/0.2/P S/N - 13-404) External Clients
19/MAR/2007 INSTALL Raingauge (Type Not Listed S/N - Unknown) External Clients
18/JUN/2007 INSTALL Raingauge (Type Not Listed S/N - Unknown) External Clients
22/MAR/1993 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 096) Flood Warning
17/DEC/2002 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 82488) Rainfall Intensity
17/DEC/2002 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 82488) Surface Observations
16/DEC/2002 REMOVE Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations
31/DEC/2010 REMOVE Raingauge (Type Not Listed S/N - Unknown) External Clients
01/DEC/2011 REMOVE Raingauge (Type Not Listed S/N - Unknown) External Clients
10/AUG/2001 REMOVE Raingauge (Type Rimco 7499 TBRG S/N - 096) Flood Warning
16/DEC/2002 REMOVE Raingauge (Type Rimco 8020 TBRG S/N - 78111) Rainfall Intensity
06/MAR/2000 REMOVE Raingauge (Type Rimco 8020 TBRG S/N - 78111) Surface Observations
16/DEC/2002 REMOVE Raingauge (Type Rimco 8020 TBRG S/N - 78111) Surface Observations
09/DEC/1998 REPLACE Raingauge (Now HS TB3A-0.2 S/N - 96 -181) Rainfall Intensity
09/DEC/1998 REPLACE Raingauge (Now HS TB3A-0.2 S/N - 96 -181) Surface Observations
13/JAN/2006 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 87561) Rainfall Intensity
13/JAN/2006 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 87561) Surface Observations
06/OCT/1998 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 75521) Rainfall Intensity
06/OCT/1998 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 75521) Surface Observations
14/NOV/2000 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 78111) Rainfall Intensity
14/NOV/2000 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 78111) Surface Observations
17/APR/1997 SHARE Raingauge (Type HS TB3A-0.2 S/N - 94-285) Rainfall Intensity
15/MAR/2000 SHARE Raingauge (Type HS TB3A-0.2 S/N - 94-285) Surface Observations
17/APR/1997 SHARE Raingauge (Type HS TB3A-0.2 S/N - 96 -181) Rainfall Intensity
15/MAR/2000 SHARE Raingauge (Type HS TB3A-0.2 S/N - 96 -181) Surface Observations
17/APR/1997 SHARE Raingauge (Type Rimco 8020 TBRG S/N - 75521) Rainfall Intensity
15/MAR/2000 SHARE Raingauge (Type Rimco 8020 TBRG S/N - 75521) Surface Observations
17/APR/1997 SHARE Raingauge (Type Rimco 8020 TBRG S/N - 78111) Rainfall Intensity
15/MAR/2000 SHARE Raingauge (Type Rimco 8020 TBRG S/N - 78111) Surface Observations
30/AUG/2018 UNSHARE Raingauge (Type Rimco 7499 TBRG S/N - 87561) Rainfall Intensity

River Height

23/JAN/1997 INSTALL River Height Gauge (Type Druck Pressure Transducer S/N - 896399) Flood Warning
10/AUG/2001 REMOVE River Height Gauge (Type Druck Pressure Transducer S/N - 1063834) Flood Warning
13/MAR/2001 REPLACE River Height Gauge (Now Druck Pressure Transducer S/N - 1063834) Flood Warning

Solar Radiation

07/NOV/1994 INSTALL Global Pyranometer Mount (Type Unknown S/N - Unknown) Radiation
01/MAR/2003 INSTALL Global Pyranometer Mount (Type Unknown S/N - Unknown) Radiation
01/MAR/2003 INSTALL Pyranometer (Type Kipp&Zonen CM11 S/N - 924032) Radiation
01/MAR/2003 INSTALL Pyranometer (Type Kipp&Zonen CM11 S/N - 924697) Radiation
07/NOV/1994 INSTALL Pyranometer (Type Unknown S/N - Unknown) Radiation

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All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Current Status:	Still open
						Barometer Elev:	8.2 m
							Metadata compiled: 28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

17/APR/1999 REMOVE Global Pyranometer Mount (Type Unknown S/N - Unknown) Radiation

17/APR/1999 REMOVE Pyranometer (Type Unknown S/N - Unknown) Radiation

07/MAR/2003 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924032) Radiation

26/JAN/2004 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924032) Radiation

16/DEC/2006 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924032) Radiation

11/NOV/2008 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924032) Radiation

01/OCT/2004 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924032) Radiation

07/MAR/2003 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924697) Radiation

26/JAN/2004 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924697) Radiation

16/DEC/2006 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924698) Radiation

11/NOV/2008 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924698) Radiation

01/OCT/2004 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924698) Radiation

Solar Radiation (Direct)

01/MAR/2003 INSTALL Pyrhelimeter (Type Carter Scott DN5 S/N - 5014) Radiation

Turbidity (No Electronic History)

Sea Water Level (No Electronic History)

Sea Water Temperature (No Electronic History)

Wind Speed

16/FEB/1955 INSTALL Anemometer (Type Dines S/N - Unknown) Surface Observations

02/AUG/2005 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 64453) Surface Observations

21/OCT/1988 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations

01/FEB/1995 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WS-90WD-90) Surface Observations

04/MAY/1987 INSTALL Mast Anemometer (Type Pipe, Guyed S/N - Unknown) Infrastructure

01/FEB/1995 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure

01/FEB/1995 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure

17/DEC/2002 INSTALL Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure

17/DEC/2002 INSTALL Wind Run Anemometer (Type Munro S/N - 8689) Surface Observations

16/FEB/1955 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM056) Surface Observations

22/OCT/1988 REMOVE Anemometer (Type Dines S/N - Unknown) Surface Observations

01/FEB/1995 REMOVE Anemometer (Type Synchrotac Vane - Type 706 S/N - Unknown) Surface Observations

16/DEC/2002 REMOVE Mast Anemometer (Type Pipe, Guyed S/N - Unknown) Infrastructure

28/SEP/2004 REMOVE Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure

02/FEB/1995 REMOVE Mast Anemometer (Type Pivot, Standard 8m S/N - NONE) Infrastructure

16/DEC/2002 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM056) Surface Observations

02/AUG/2005 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 419) Surface Observations

04/JUN/2004 REPLACE Wind Run Anemometer (Now Munro S/N - 8684) Surface Observations

22/JUN/2004 REPLACE Wind Run Anemometer (Now Munro S/N - 8689) Surface Observations

07/OCT/2004 REPLACE Wind Run Anemometer (Now Munro S/N - CBM360) Surface Observations

24/MAY/2006 REPLACE Wind Run Anemometer (Now Munro S/N - CBM519) Surface Observations

29/NOV/2017 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM630) Surface Observations

01/MAR/2007 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM668) Surface Observations

Air Temperature

11/JUN/2021 INSTALL Humidity Probe (Type Vaisala HMP155A S/N - T1311037) Surface Observations

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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

01/FEB/1995 INSTALL Temperature Probe - Dry Bulb (Type Rosemount S/N - NONE) Surface Observations
17/DEC/2002 INSTALL Temperature Probe - Dry Bulb (Type Rosemount ST2401 S/N - 0528) Surface Observations
16/DEC/2002 REMOVE Temperature Probe - Dry Bulb (Type Rosemount S/N - NONE) Surface Observations
12/JUL/2007 REPLACE Temperature Probe - Dry Bulb (Now Rosemount ST2401 S/N - 0245) Surface Observations
01/FEB/1967 INSTALL Thermograph (Type Fielden S/N - Unknown) Surface Observations
01/OCT/1988 REMOVE Thermograph (Type Fielden S/N - Unknown) Surface Observations
04/JUN/1981 REPLACE Thermograph (Now Fielden S/N - Unknown) Surface Observations
17/DEC/2002 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 18716) Surface Observations
06/OCT/1998 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 4967) Surface Observations
16/DEC/2002 REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 4967) 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/JUL/2003 - 05/NOV/2020	Cloud Height	0
11/JUN/2021 - 11/JUN/2021	Humidity	0
26/JAN/1989 - 08/FEB/2017	Pressure Trend	0
21/JUL/2009 - 29/AUG/2018	Lightning	2
04/MAY/1987 - 05/NOV/2020	Wind Direction	2
04/MAY/1987 - 05/MAR/2021	Wet Bulb Temperature	1
04/MAY/1987 - 05/NOV/2020	Maximum Temperature	0
28/FEB/1996 - 05/NOV/2020	Soil Temperature 10cm	0
28/FEB/1996 - 05/NOV/2020	Soil Temperature 20cm	0
28/FEB/1996 - 05/NOV/2020	Soil Temperature 50cm	0
28/FEB/1996 - 05/NOV/2020	Soil Temperature 100cm	0
04/MAY/1987 - 08/FEB/2017	Wind Run	1
14/NOV/2000 - 05/NOV/2020	Minimum Temperature	0
04/MAY/1987 - 05/NOV/2020	Terrestrial Minimum Temperature	2
01/JUL/2003 - 05/NOV/2020	Visibility	3
19/DEC/2002 - 05/NOV/2020	Soil Temperature 5cm	0
01/MAR/2000 - 02/OCT/2013	RF Reflectivity	1
04/MAY/1987 - 05/NOV/2020	Pressure	2
14/NOV/2000 - 05/NOV/2020	Evaporation	0
04/MAY/1987 - 05/NOV/2020	Rainfall	4
04/MAY/1987 - 05/NOV/2020	Wind Speed	2
28/FEB/1996 - 11/JUN/2021	Air Temperature	0

Station Detail Changes

09/MAY/2006 CLASSIFICATION AWS Funding - Aviation (FAV)

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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Current Status:	Still open
						Barometer Elev:	8.2 m
							Metadata compiled: 28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

12/OCT/2020 CLASSIFICATION AWS Priority 1 - Critical (SLP1-AWS)
16/DEC/2002 CLASSIFICATION Building (FBL)
26/JUN/2002 CLASSIFICATION CLIMAT Stations (CLC)
26/JUN/2002 CLASSIFICATION CLIMAT TEMP Stations (CLT)
09/MAY/2006 CLASSIFICATION Category A (TAF A)
10/JAN/2011 CLASSIFICATION Critical (ASOSCRIT)
10/JUN/2014 CLASSIFICATION Critical Aviation or Defence (AVCRIT) ENDED 16-10-2020
01/FEB/1995 CLASSIFICATION Fielden (FFD) ENDED 16-12-2002
01/JUL/1998 CLASSIFICATION Information and Observations (MIO) ENDED 18-11-2002
27/SEP/2021 CLASSIFICATION Mastered in EAMS (EAMS)
03/JAN/2017 CLASSIFICATION Melbourne FIR Majors (MEL_FIR_1)
18/NOV/2002 CLASSIFICATION Observations Only (MO)
01/JUL/2017 CLASSIFICATION Observing Operations Hub - Adelaide (OOH-A)
21/MAR/2016 CLASSIFICATION Processed by ASOS (PBA)
01/JUL/1998 CLASSIFICATION Rawinsonde Stations (RS)
14/FEB/1997 CLASSIFICATION Regional Basic Synoptic Network (RBSN)
01/JAN/2017 CLASSIFICATION South Australia (1) (SA_1)
15/SEP/2006 OBJECT Document/023034060915email
18/JUN/2007 OBJECT Document/023034070514piezo-email
04/MAY/2015 OBJECT Document/023034150504ASOS_Station_Configuration_Form
23/DEC/2013 OBJECT Document/023034_Evap_pan_email_23122013
27/AUG/2014 OBJECT Document/2014-08 Radar_decommission_2014_v1d7
20/AUG/2019 OBJECT Document/ACOM 12 monthly
14/JAN/2020 OBJECT Document/ACOM checklist Jan 2020
07/JAN/2021 OBJECT Document/ACOM checklist Jan 2021
13/AUG/2019 OBJECT Document/ADW1 mast inspection
22/MAR/2017 OBJECT Document/ARFFS_LoA_22032017
11/JUN/2021 OBJECT Document/ASOS CONFIGURATION
01/AUG/2017 OBJECT Document/AUTOSONDE MAINTENANCE CHECKSHEET
09/JAN/2018 OBJECT Document/AUTOSONDE MAINTENANCE CHECKSHEET
23/JUN/2011 OBJECT Document/AWS SITE AUDIT
12/DEC/2013 OBJECT Document/Airservices_LoA_12122013
18/DEC/2002 OBJECT Document/BAROMETER COEFFICIENTS
17/DEC/2015 OBJECT Document/CEILOMETER STATUS
28/JUN/2012 OBJECT Document/CEILOMETER STATUS
11/JUL/2013 OBJECT Document/CEILOMETER STATUS
25/JAN/2019 OBJECT Document/CEILOMETER STATUS
07/JUN/2011 OBJECT Document/CEILOMETER STATUS
01/SEP/2015 OBJECT Document/CEILOMETER STATUS
31/MAY/2016 OBJECT Document/CEILOMETER STATUS
08/FEB/2017 OBJECT Document/CEILOMETER STATUS
26/MAR/2018 OBJECT Document/CEILOMETER STATUS
05/NOV/2020 OBJECT Document/CEILOMETER STATUS

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Extended Climatological Station Metadata

All History

Station:	ADELAIDE AIRPORT			Location:	ADELAIDE AIRPORT			State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955	Current Status:	Still open
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m	Metadata compiled:	28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

03/MAR/2009 OBJECT Document/RAPIC TX CAL DATA
19/FEB/2016 OBJECT Document/RBL MAINTENANCE CHECKSHEET
15/AUG/2016 OBJECT Document/RBL MAINTENANCE CHECKSHEET
14/OCT/2014 OBJECT Document/RBL MAINTENANCE CHECKSHEET
01/AUG/2017 OBJECT Document/RBL MAINTENANCE CHECKSHEET
09/JAN/2018 OBJECT Document/RBL MAINTENANCE CHECKSHEET
20/JUL/2018 OBJECT Document/RBL MAINTENANCE CHECKSHEET
20/AUG/2019 OBJECT Document/RBL MAINTENANCE CHECKSHEET
14/JAN/2020 OBJECT Document/RBL MAINTENANCE CHECKSHEET
07/JAN/2021 OBJECT Document/RBL MAINTENANCE CHECKSHEET
20/MAR/2013 OBJECT Document/RBL RM Schedule 20-3-13
09/NOV/2004 OBJECT Document/SKYLINE DATA
12/JAN/2007 OBJECT Document/SKYLINE DATA
19/DEC/2002 OBJECT Document/SKYLINE DATA
21/OCT/2002 OBJECT Document/SKYLINE DATA
04/NOV/1999 OBJECT Document/SKYLINE DATA
31/MAY/2016 OBJECT Document/SKYLINE DATA
04/OCT/2017 OBJECT Document/SKYLINE DATA
27/JAN/2011 OBJECT Document/SKYLINE DATA - ANEMOMETER
08/FEB/2017 OBJECT Document/SKYLINE DATA - ANEMOMETER
04/JUL/2002 OBJECT Document/SKYLINE DATA - RADAR
30/AUG/2010 OBJECT Document/Urban Heat Island Study
17/DEC/2015 OBJECT Document/VISIBILITY METER STATUS
28/JUN/2012 OBJECT Document/VISIBILITY METER STATUS
11/JUL/2013 OBJECT Document/VISIBILITY METER STATUS
25/JAN/2019 OBJECT Document/VISIBILITY METER STATUS
07/JUN/2011 OBJECT Document/VISIBILITY METER STATUS
06/MAR/2012 OBJECT Document/VISIBILITY METER STATUS
01/SEP/2015 OBJECT Document/VISIBILITY METER STATUS
31/MAY/2016 OBJECT Document/VISIBILITY METER STATUS
08/FEB/2017 OBJECT Document/VISIBILITY METER STATUS
26/MAR/2018 OBJECT Document/VISIBILITY METER STATUS
05/NOV/2020 OBJECT Document/VISIBILITY METER STATUS
12/MAY/2016 OBJECT Document/YPAD COC 12-5-2016
06/MAR/2012 OBJECT Document/YPAD visibility - DRI21 calibration scales
21/FEB/2011 OBJECT Document/metconsole_stationconfig_023034110221
13/NOV/2008 OBJECT Document/sondestrategy
19/FEB/2009 OBJECT Document/tag and testing 2009-02-20
16/FEB/1955 STATION - (nondb seeding) Opened
16/FEB/1955 STATION - (nondb seeding) aero_ht Changed to 6.1
16/FEB/1955 STATION - (nondb seeding) bar_ht Changed to 4
16/FEB/1955 STATION - (nondb seeding) bar_ht_deriv Changed to SURVEY
16/FEB/1955 STATION - (nondb seeding) name Changed to ADELAIDE AIRPORT

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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT		Location:	ADELAIDE AIRPORT		State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955
Latitude:	-34.9524	Longitude:	138.5196	Elevation:	2 m	Barometer Elev:	8.2 m
Current Status:							Still open
Metadata compiled:							28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

16/FEB/1955 STATION - (nondb seeding) stn_ht Changed to 6
16/FEB/1955 STATION - (nondb seeding) stn_ht_deriv Changed to SURVEY
16/FEB/1955 STATION - (nondb seeding) wmo_num Changed to 94672
16/FEB/1955 STATION aero_ht_deriv Changed to SURVEY
16/FEB/1955 STATION aviation_id Changed to YPAD
16/DEC/2002 STATION bar_ht Changed to 8.2
16/DEC/2002 STATION bar_ht_deriv Changed to SURVEY
16/DEC/2002 STATION latitude Changed to -34.9524
31/MAY/2016 STATION latitude Changed to -34.952438Using WGS 84
16/FEB/1955 STATION latitude Changed to -34.95660WSG84
16/DEC/2002 STATION latlon_deriv Changed to GPS
16/FEB/1955 STATION latlon_deriv Changed to GPS
31/MAY/2016 STATION latlon_deriv Changed to GPS
16/DEC/2002 STATION latlon_error Changed to
31/MAY/2016 STATION latlon_error Changed to
31/MAY/2016 STATION longitude Changed to 138.519569Using WGS 84
16/DEC/2002 STATION longitude Changed to 138.5204
16/FEB/1955 STATION longitude Changed to 138.53562WSG84
16/FEB/1955 STATION lu_0_100m Changed to Airport
04/NOV/1999 STATION lu_0_100m Changed to Airport
16/FEB/1955 STATION lu_100m_1km Changed to Airport
04/NOV/1999 STATION lu_100m_1km Changed to City area, buildings < 10 metres (3 storey)
16/FEB/1955 STATION lu_1km_10km Changed to City area, buildings < 10 metres (3 storey)
04/NOV/1999 STATION lu_1km_10km Changed to City area, buildings > 10 metres (3 storey)
04/NOV/1999 STATION soil_type Changed to black soil
16/DEC/2002 STATION soil_type Changed to sand
31/MAY/2016 STATION soil_type Changed to sand
16/DEC/2002 STATION stn_ht Changed to 2
16/DEC/2002 STATION stn_ht_deriv Changed to SURVEY
16/DEC/2002 STATION surface_type Changed to bare ground
31/MAY/2016 STATION surface_type Changed to bare ground
17/JAN/2011 STATION surface_type Changed to fully covered by grass
04/NOV/1999 STATION surface_type Changed to fully covered by grass
13/JAN/2006 STATION surface_type Changed to mostly covered by grass
17/FEB/2004 STATION surface_type Changed to partly covered by grass

System Changes

14/OCT/2009 SYSTEM External Clients Ceased
01/MAR/1977 SYSTEM External Clients Commenced
13/OCT/2009 SYSTEM External Clients Commenced
10/AUG/2001 SYSTEM Flood Warning Ceased
22/MAR/1993 SYSTEM Flood Warning Commenced
04/MAY/2015 SYSTEM Flood Warning Commenced
01/JUN/1954 SYSTEM Infrastructure Commenced

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Extended Climatological Station Metadata
All History

Station:	ADELAIDE AIRPORT			Location:	ADELAIDE AIRPORT			State:	SA
Bureau No.:	023034	WMO No.:	94672	Aviation ID:	YPAD	Opened:	16 Feb 1955	Current Status:	Still open
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Station Equipment History (continued)

System Changes(Continued)

17/APR/1999 SYSTEM Radiation Ceased
07/NOV/1994 SYSTEM Radiation Commenced
01/MAR/2003 SYSTEM Radiation Commenced
30/AUG/2018 SYSTEM Rainfall Intensity Ceased
01/JAN/1967 SYSTEM Rainfall Intensity Commenced
23/DEC/2009 SYSTEM Reference Standards Commenced
16/FEB/1955 SYSTEM Surface Observations Commenced
01/JUN/1954 SYSTEM Upper Air Commenced
17/NOV/2008 SYSTEM WeatherWatch Ceased
01/JUN/1954 SYSTEM WeatherWatch Commenced

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Notes on these metadata

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

Reliability of the metadata

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

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

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

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

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

Station Number

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

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

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Notes on these metadata

Network Classification

SUPPORTING the BASIC CLIMATE SERVICE
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)
SUPPORTING the NATIONAL WEATHER WATCH SYSTEM
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)
SUPPORTING the BASIC WEATHER SERVICE (BWS)
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
SUPPORTING the BASIC HYDROLOGICAL SERVICE
Regional Flood Warning Network
Water Resources Assessment Network
Global Hydrological Network
Global Terrestrial Observing System (GTOS)
World Hydrological Cycle Observing System (WHYCOS)
National Hydrological Network

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

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Notes on these metadata

Network Classification Continued....

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

Station Purpose

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

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

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

Station Observation Program Summary

Surface Observations

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

Set a)

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

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Notes on these metadata

Surface observations continued....

Set b)

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

Current Station Equipment Summary

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

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

Station Equipment History

Equipment Install/Remove

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

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

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

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

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

Unshare - The instrument is no longer shared between systems

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Notes on these metadata

Calibration

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

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

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

Station Detail Changes

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

- STATION

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

Station position

- Latitude and longitude

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

- Height

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

Heights which may appear in these metadata are:

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

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

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

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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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