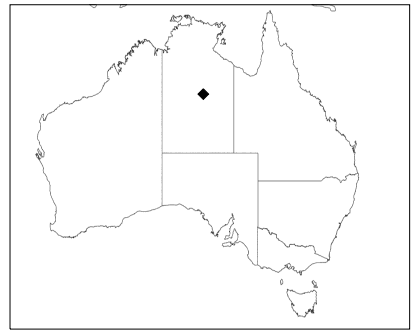
Australian Government
Bureau of Meteorology

Basic Climatological Station Metadata

Current status

Metadata compiled: 28 JUL 2025



Station: TENNANT CREEK AIRPORT

Bureau of Meteorology station number: 015135
Bureau of Meteorology district name: Barkly
State: NT

World Meteorological Organization number: 94238
Identification: YTNK

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

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

Current Station Location				
Latitude	**Decimal**	-19.6423	**Hour Min Sec**	19°38'32"S
Longitude	**Decimal**	134.1833	**Hour Min Sec**	134°10'60"E
Station Height	375.7 m	**Barometer Height**	377.1 m	
Method of station geographic positioning			GPS	

Year opened: 1969
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.

Australian Government
Bureau of Meteorology

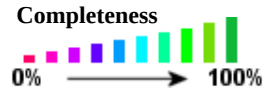
Basic Climatological Station Metadata

Current status

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

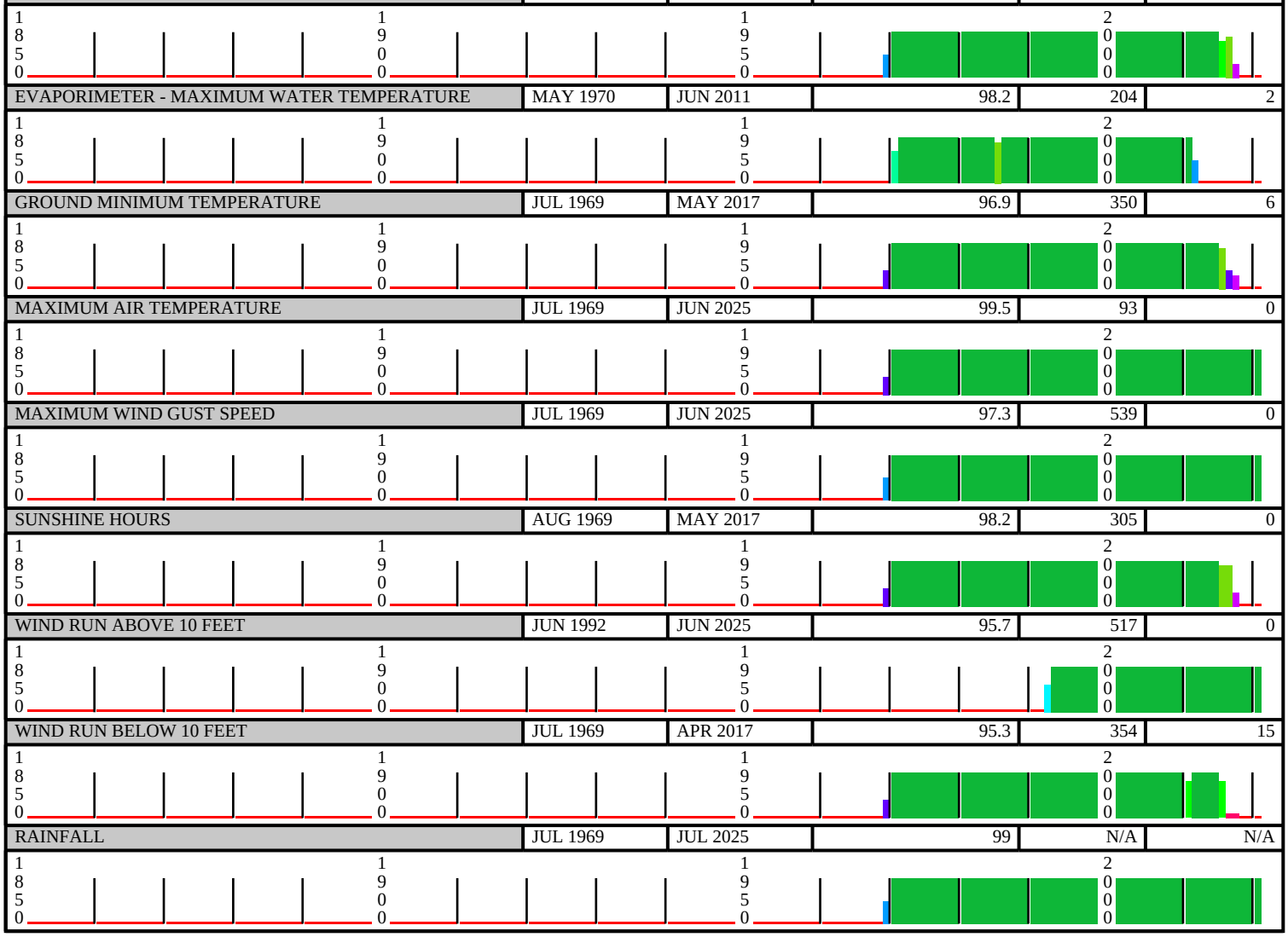
Observation summary

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	JUL 1969	MAY 2017	97.8	370	0
EVAPORIMETER - MAXIMUM WATER TEMPERATURE	MAY 1970	JUN 2011	98.2	204	2
GROUND MINIMUM TEMPERATURE	JUL 1969	MAY 2017	96.9	350	6
MAXIMUM AIR TEMPERATURE	JUL 1969	JUN 2025	99.5	93	0
MAXIMUM WIND GUST SPEED	JUL 1969	JUN 2025	97.3	539	0
SUNSHINE HOURS	AUG 1969	MAY 2017	98.2	305	0
WIND RUN ABOVE 10 FEET	JUN 1992	JUN 2025	95.7	517	0
WIND RUN BELOW 10 FEET	JUL 1969	APR 2017	95.3	354	15
RAINFALL	JUL 1969	JUL 2025	99	N/A	N/A



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

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

Australian Government
Bureau of Meteorology

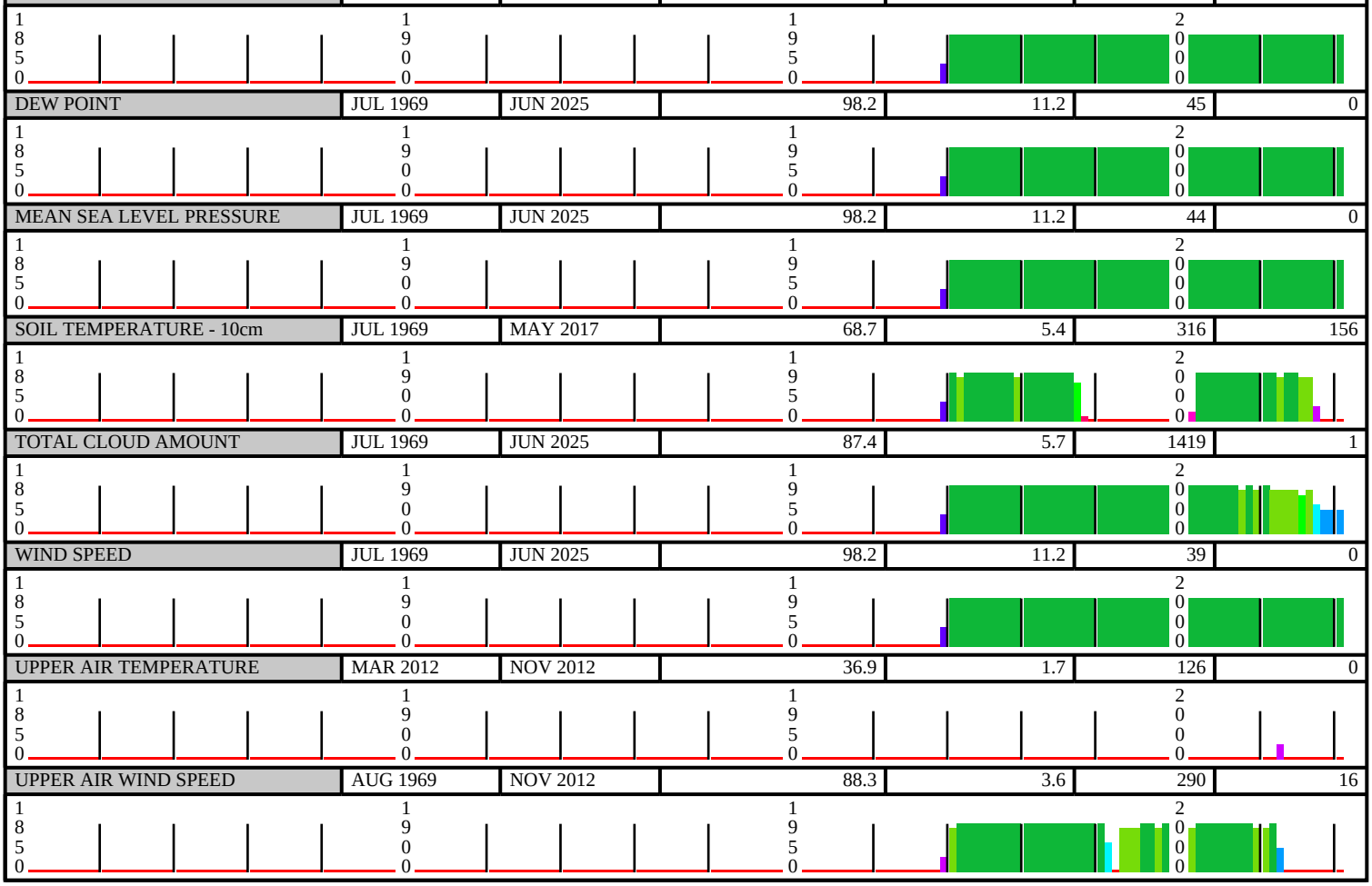
Basic Climatological Station Metadata

Current status

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 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	JUL 1969	JUN 2025	98.3	11.2	44	0
DEW POINT	JUL 1969	JUN 2025	98.2	11.2	45	0
MEAN SEA LEVEL PRESSURE	JUL 1969	JUN 2025	98.2	11.2	44	0
SOIL TEMPERATURE - 10cm	JUL 1969	MAY 2017	68.7	5.4	316	156
TOTAL CLOUD AMOUNT	JUL 1969	JUN 2025	87.4	5.7	1419	1
WIND SPEED	JUL 1969	JUN 2025	98.2	11.2	39	0
UPPER AIR TEMPERATURE	MAR 2012	NOV 2012	36.9	1.7	126	0
UPPER AIR WIND SPEED	AUG 1969	NOV 2012	88.3	3.6	290	16



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.

Australian Government
Bureau of Meteorology

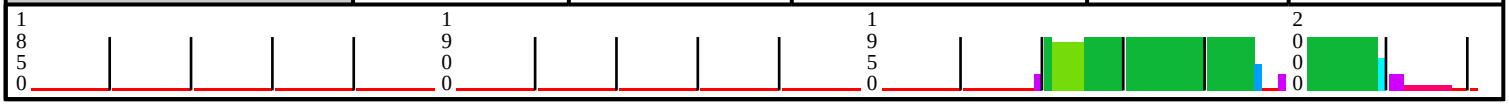
Basic Climatological Station Metadata

Current status

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

RAINFALL INTENSITY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	SINGLE DAYS MISSED	FULL MONTHS MISSED
RAINFALL INTENSITY	OCT 1969	MAY 2017	75.4	677	118



ONE-MINUTE DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	AUG 2003	JUL 2025	99.0	1425.4	N/A	0

HALF-HOURLY DATA HOLDINGS

OBSERVATION TYPE	FIRST MONTH	LAST MONTH	COMPLETENESS (% estimate)	FREQUENCY average daily	SINGLE DAYS MISSED	FULL MONTHS MISSED
ALL ELEMENTS	JUN 1990	JUL 2025	101.3	48.6	N/A	9

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	Oct 2005	Feb 2012	N/A	2.9	85	0
Wind, temperature and pressure flights	Mar 2012	Nov 2012	N/A	1.1	127	0

Holdings calculated up to 01 Jul 2025

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

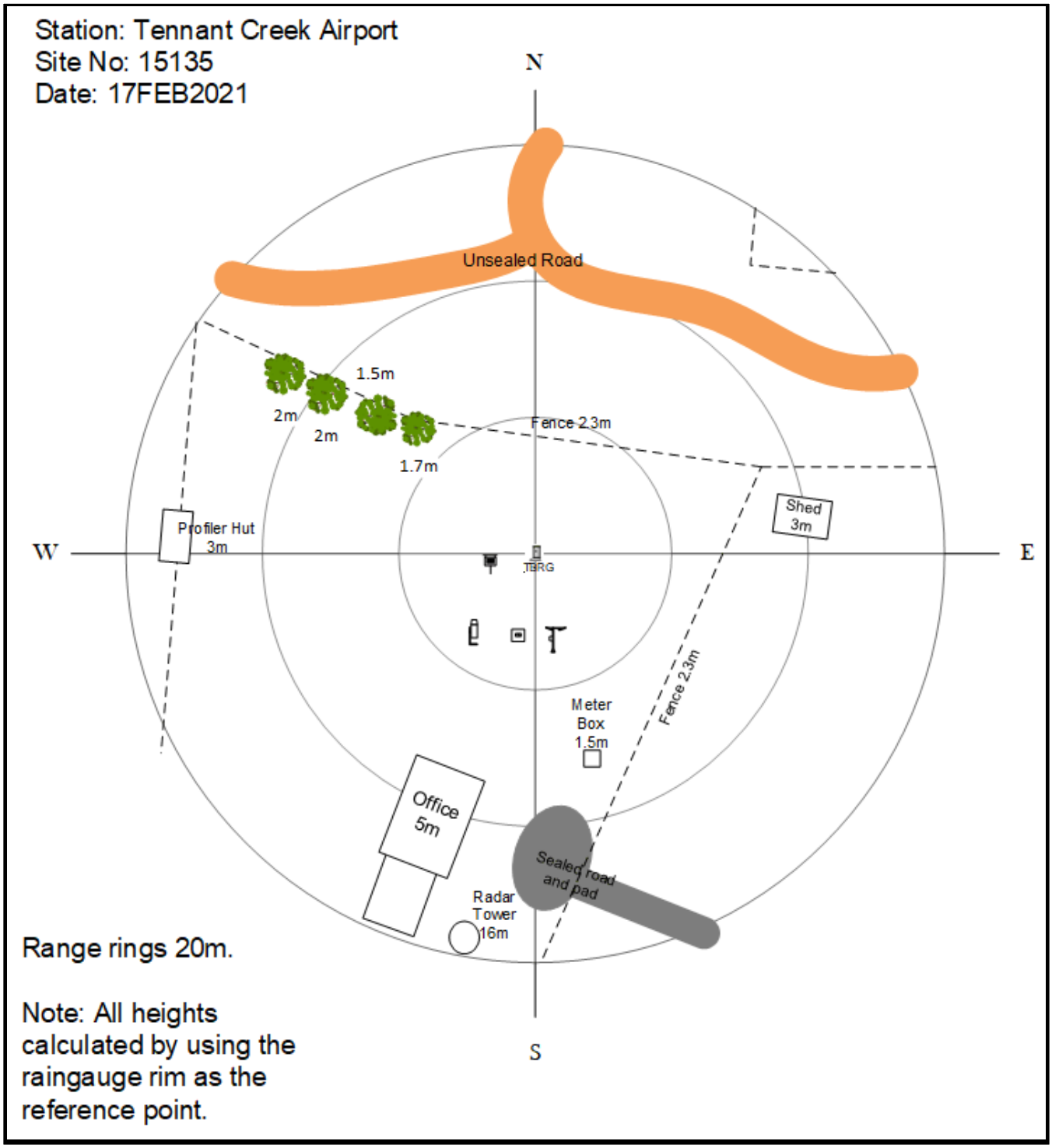
The single days missed figure is the total number of days for which no observation was received, not including full missed months. The full months missed figure is the total of full month gaps over the period of record. Where an element is not included assumptions can generally be made about availability,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

Unlisted element	Listed element to use
Minimum air temperature	Maximum air temperature
Wet bulb temperature	Dew point
Soil temperature at 20, 50 & 100cm	10cm soil temperature
Relative humidity	Dew point
Minimum temp. of water in evaporimeter	Evaporimeter - max water temp
Visual observations eg. weather, visibility	Total cloud amount
Sea related observations	Sea state

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

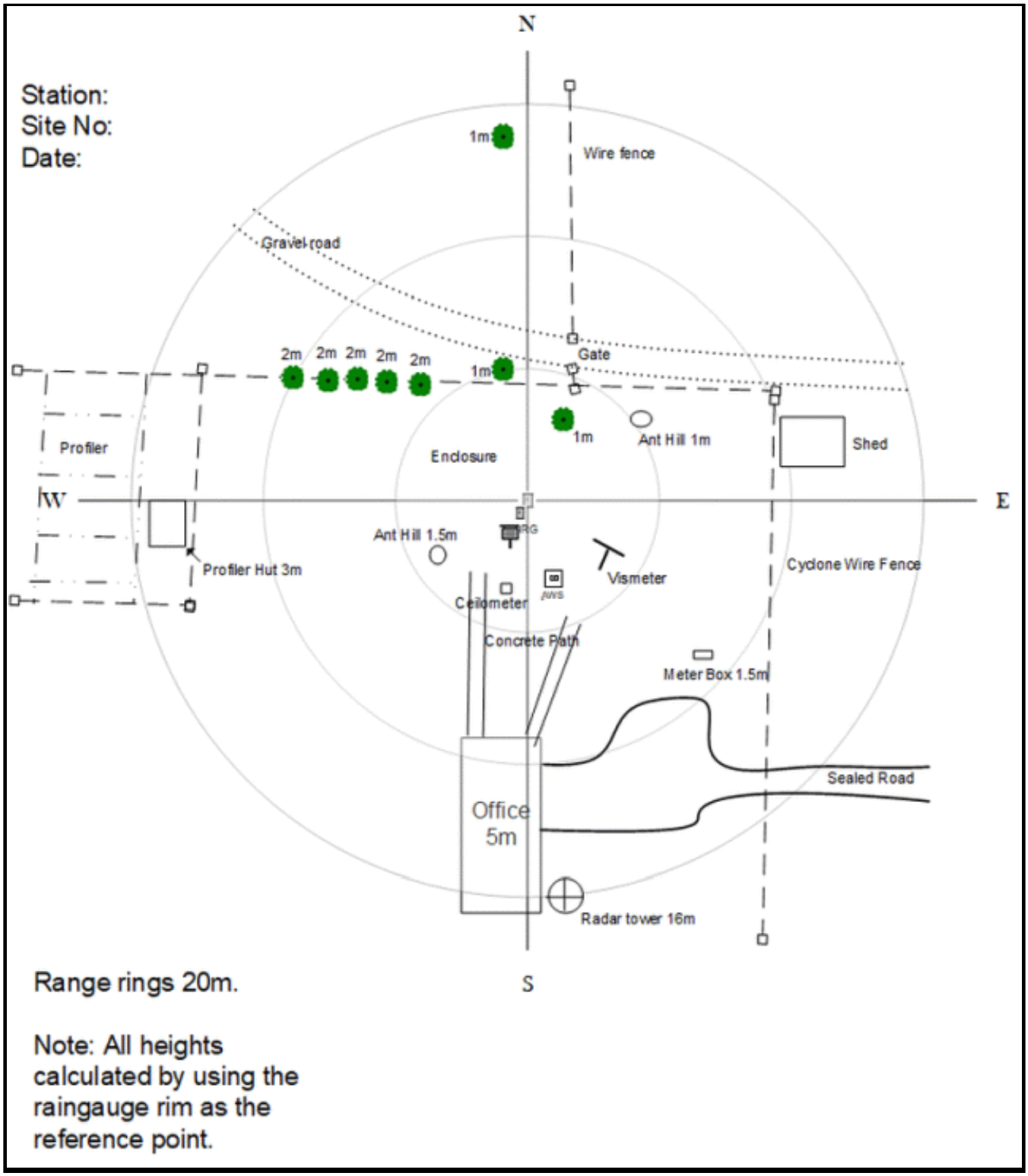
Instrument Location and Surrounding Features
17/02/2021(most recent)



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

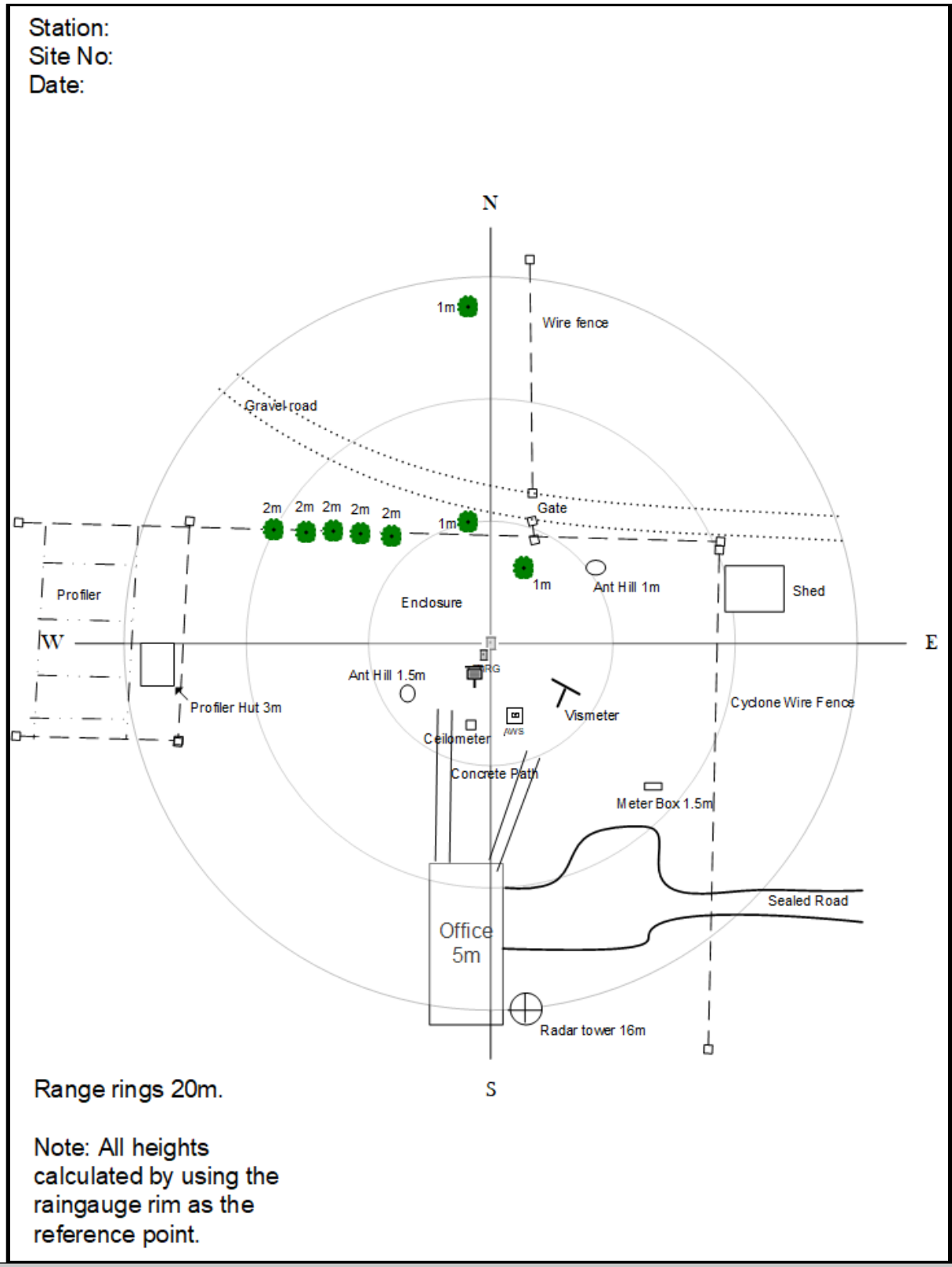
Instrument Location and Surrounding Features
10/04/2019



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
09/04/2019

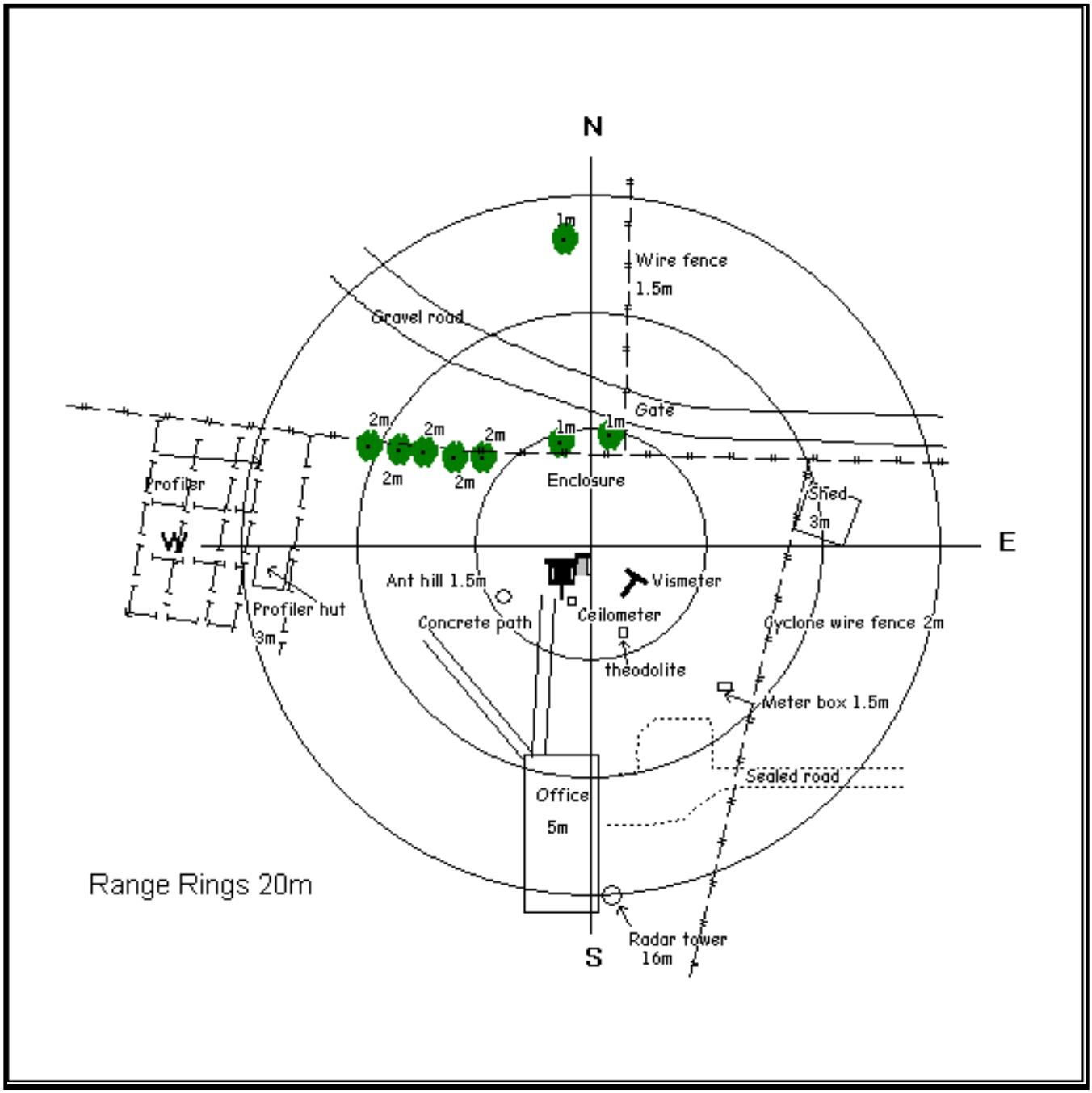


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
15/09/2018



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.

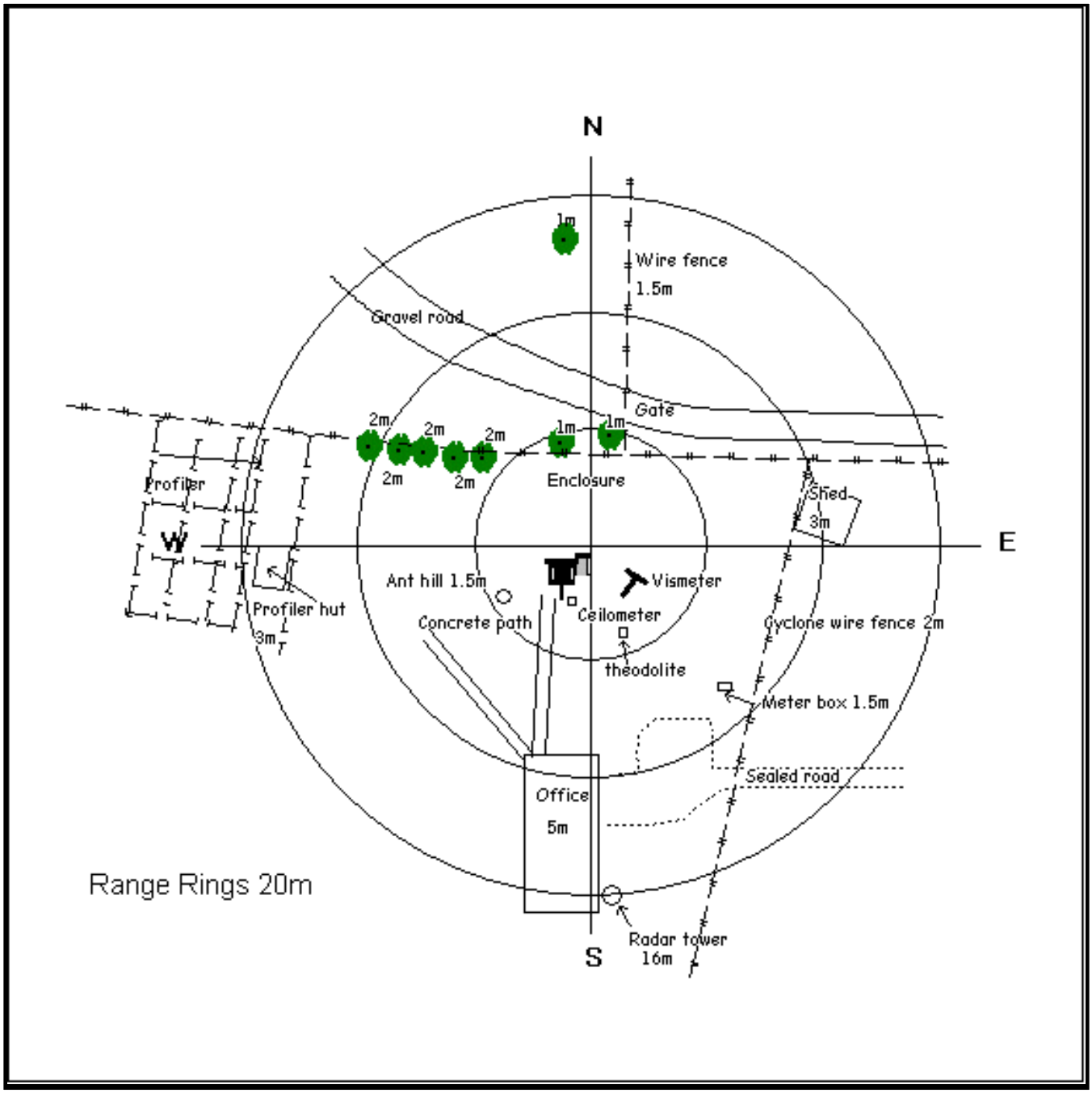
Extended Climatological Station Metadata

All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features

10/04/2018

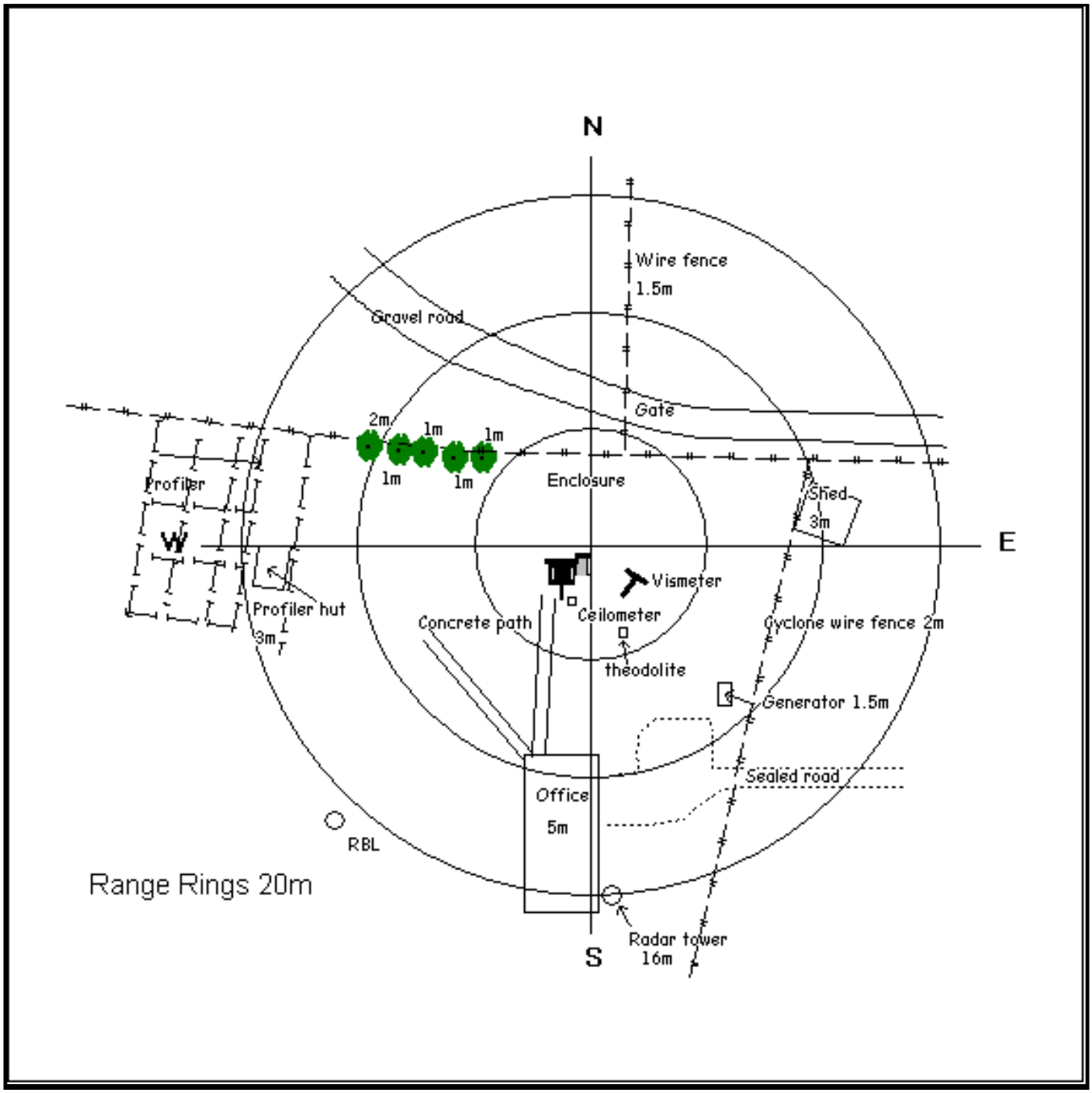


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

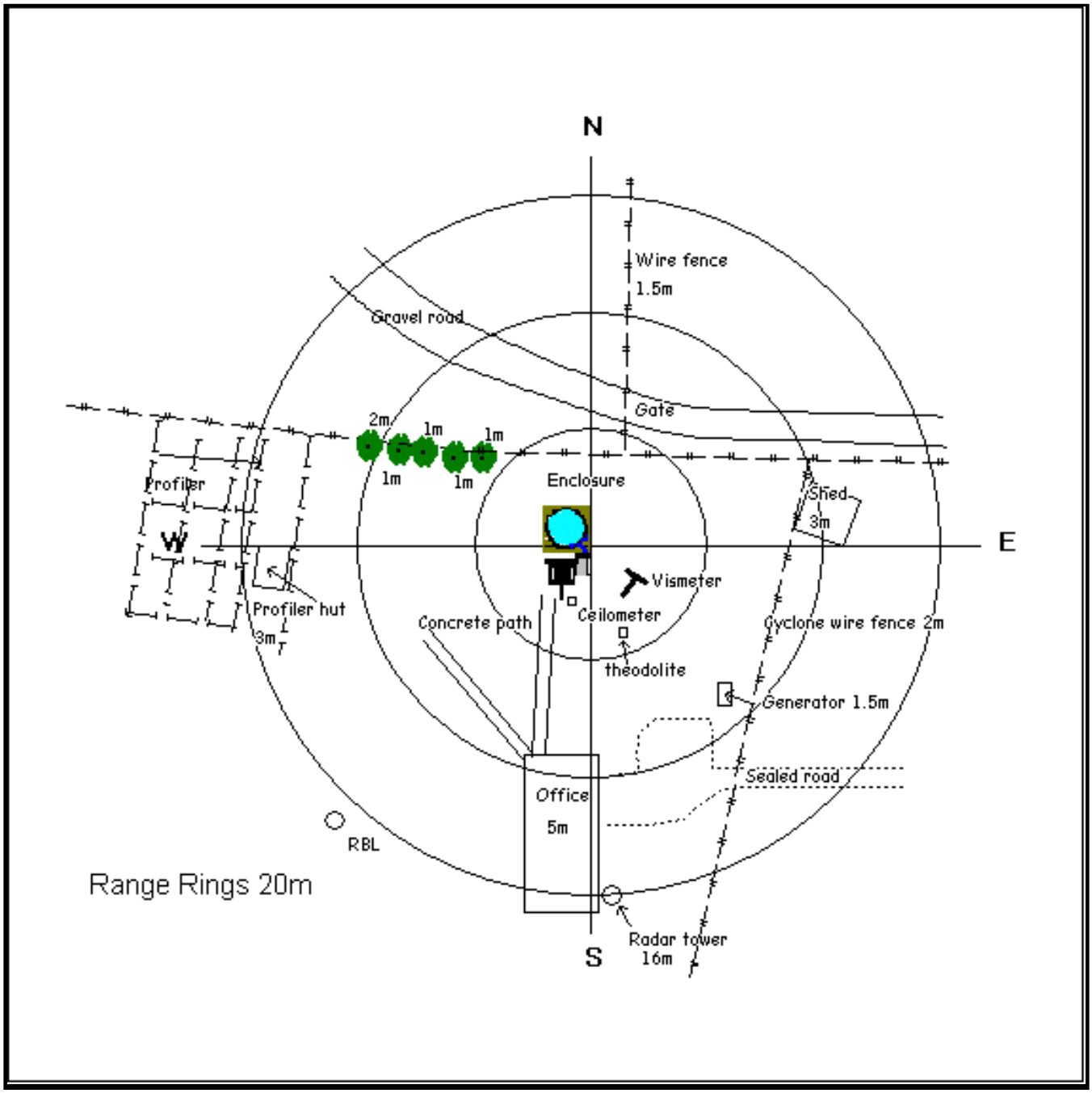
Instrument Location and Surrounding Features
01/06/2017



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
10/08/2016

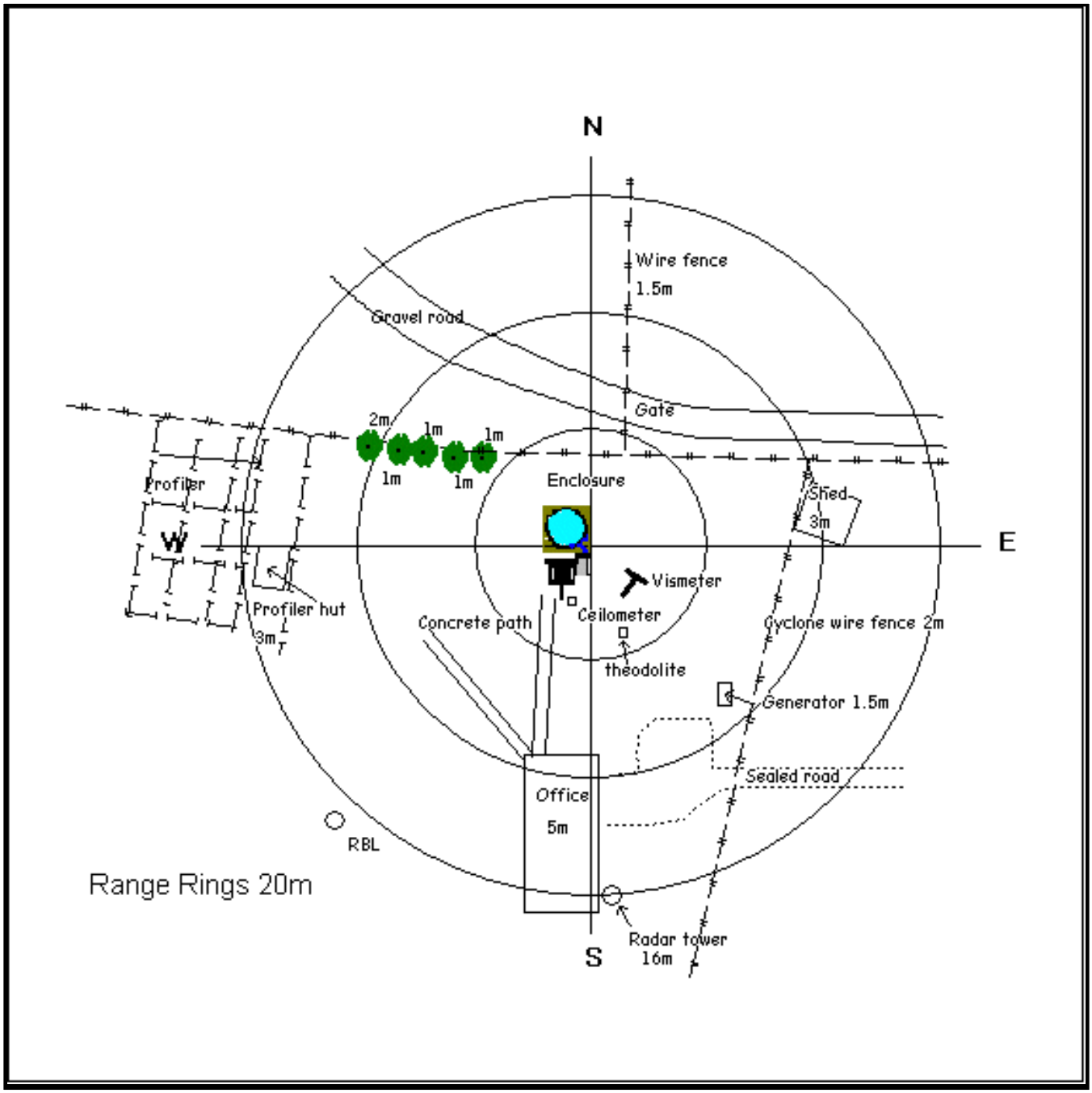


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

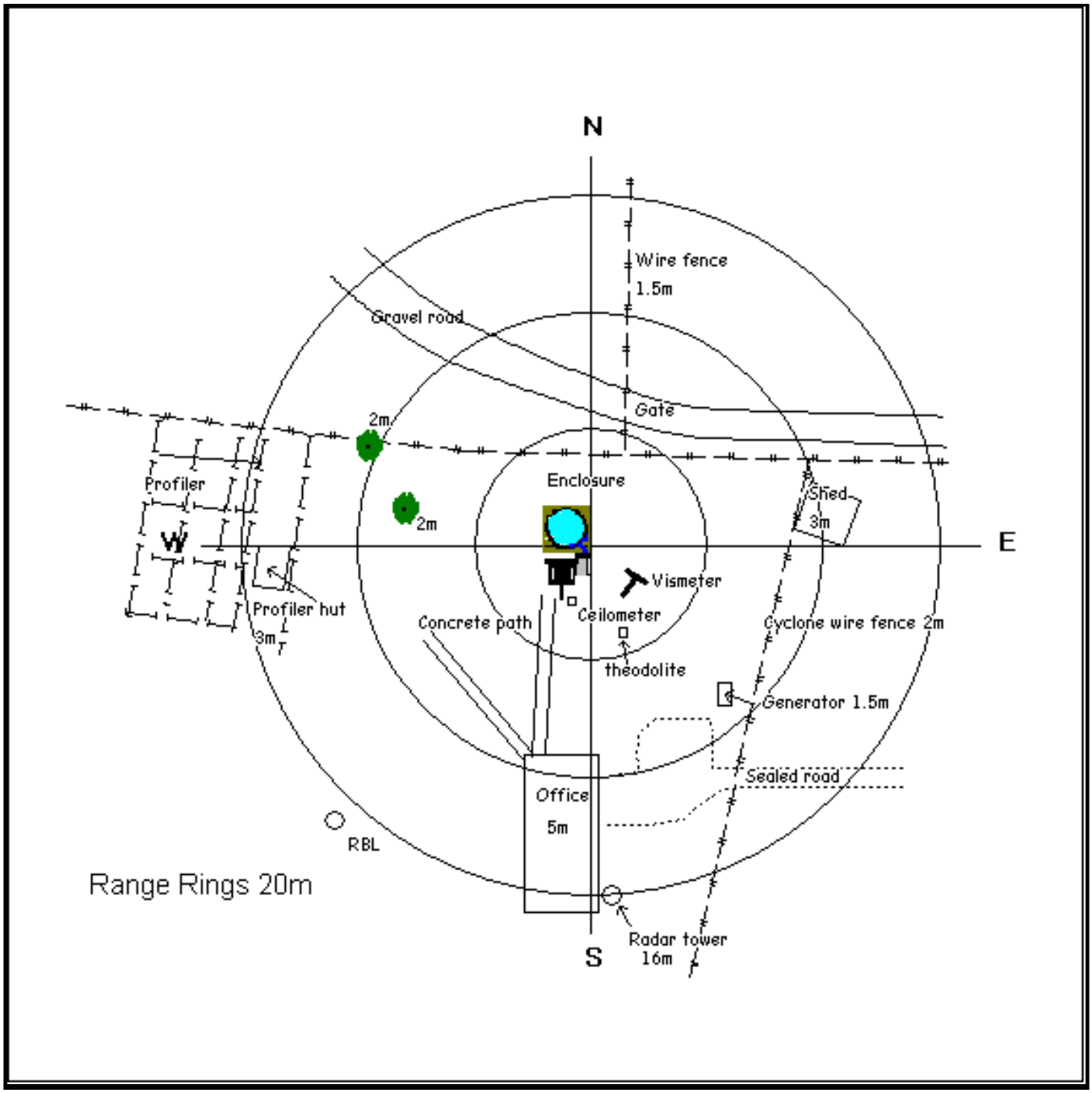
Instrument Location and Surrounding Features
27/04/2015



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
12/06/2014

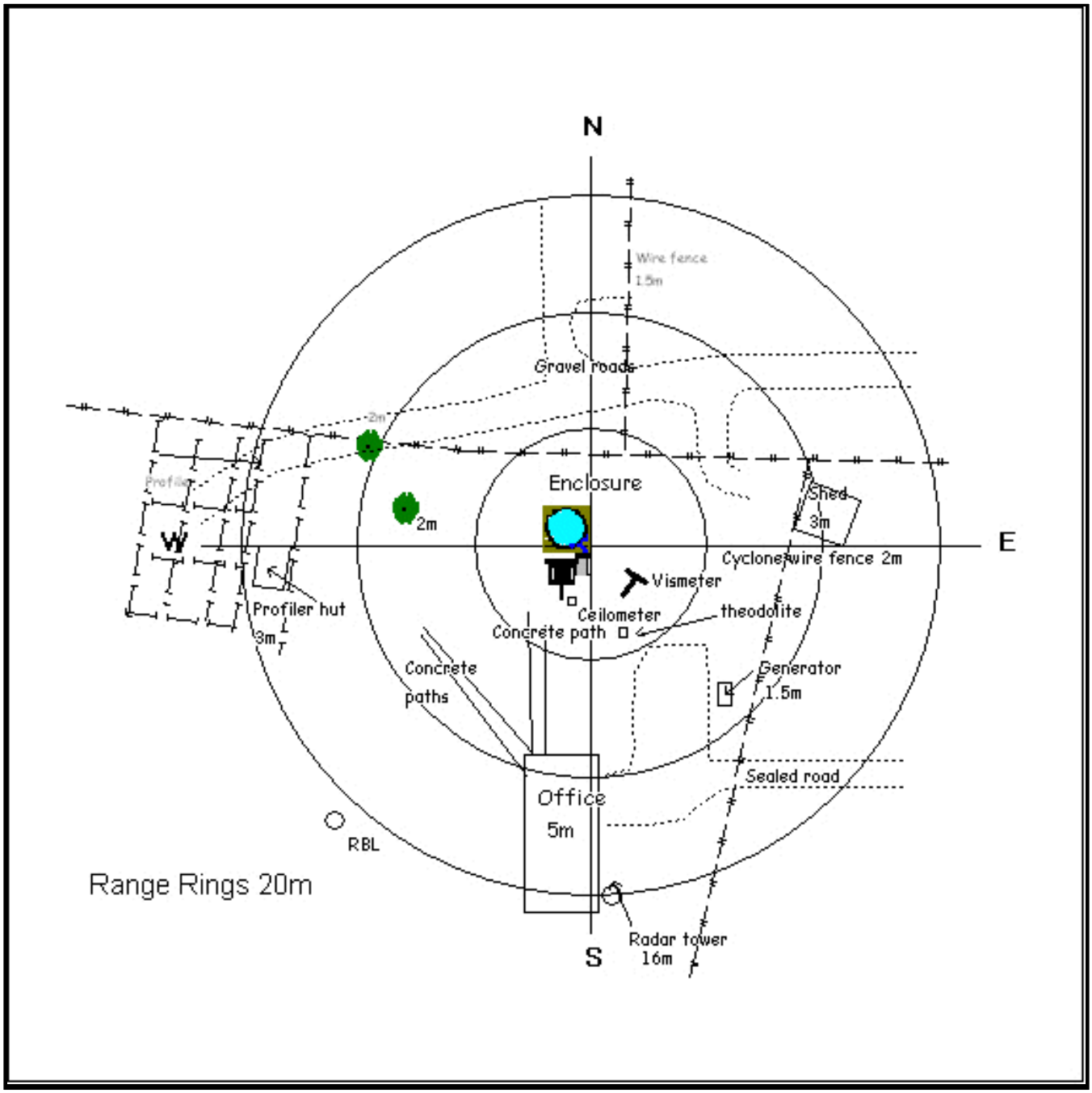


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
05/06/2013

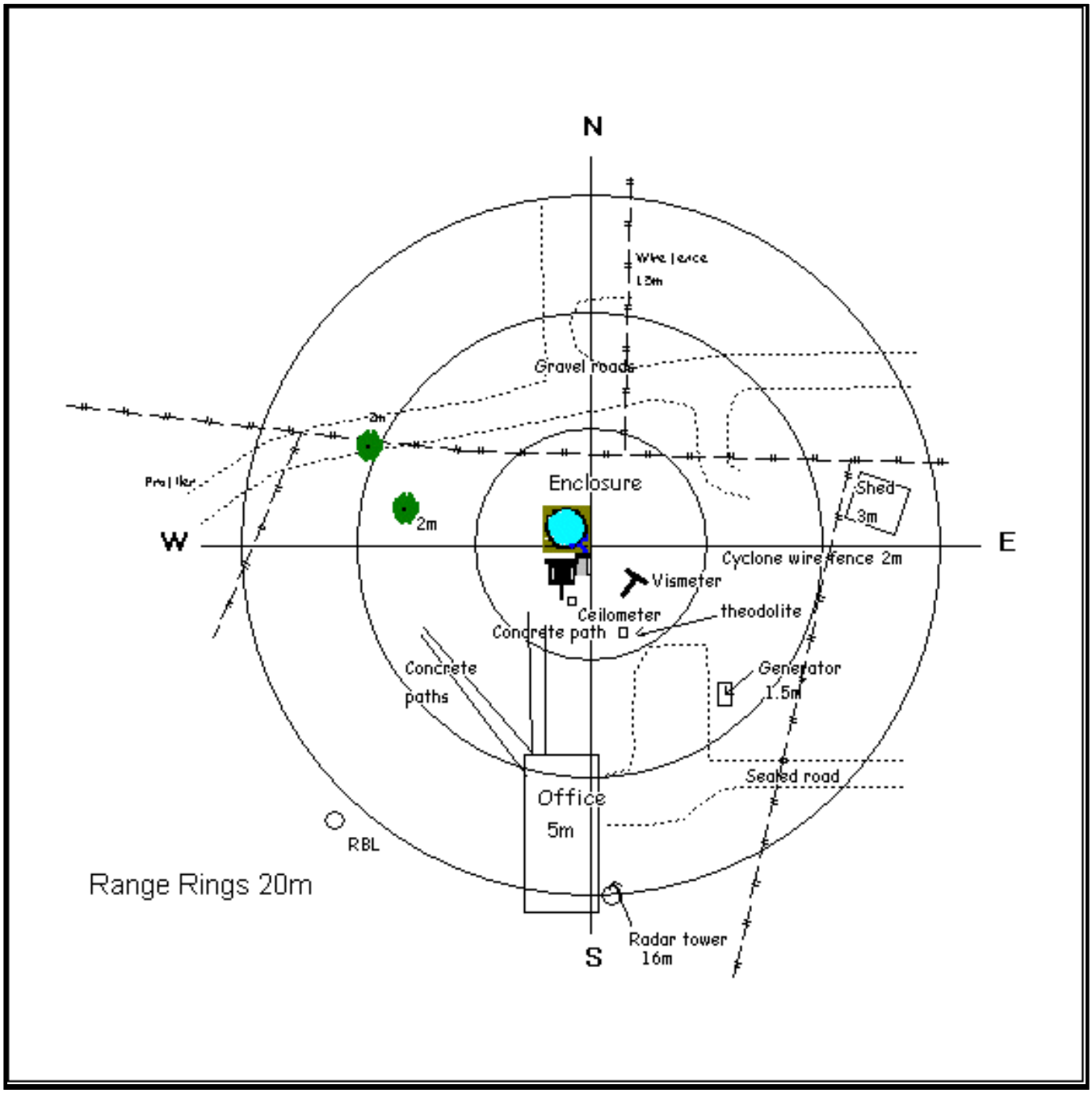


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
17/11/2011

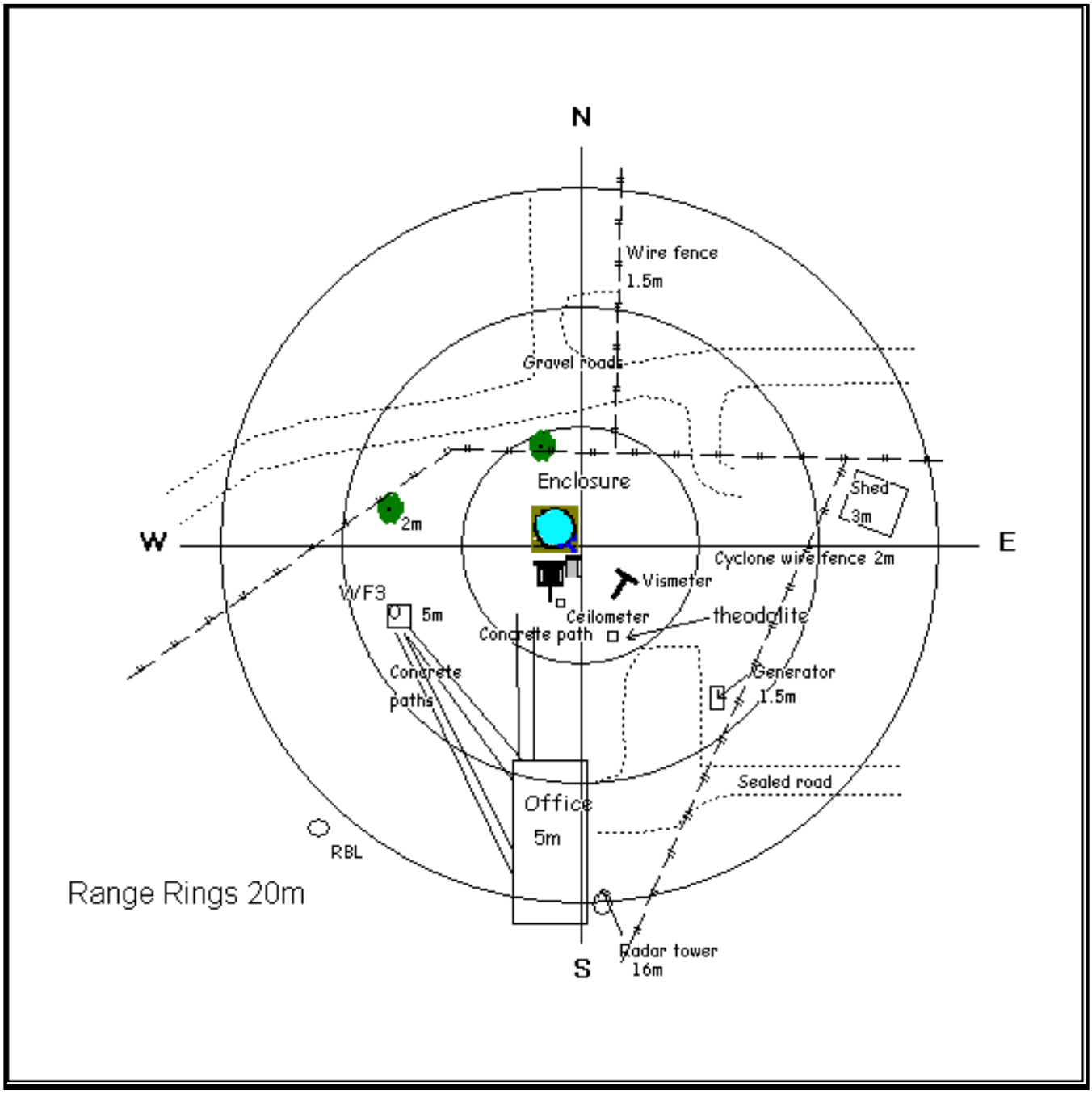


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
18/04/2010

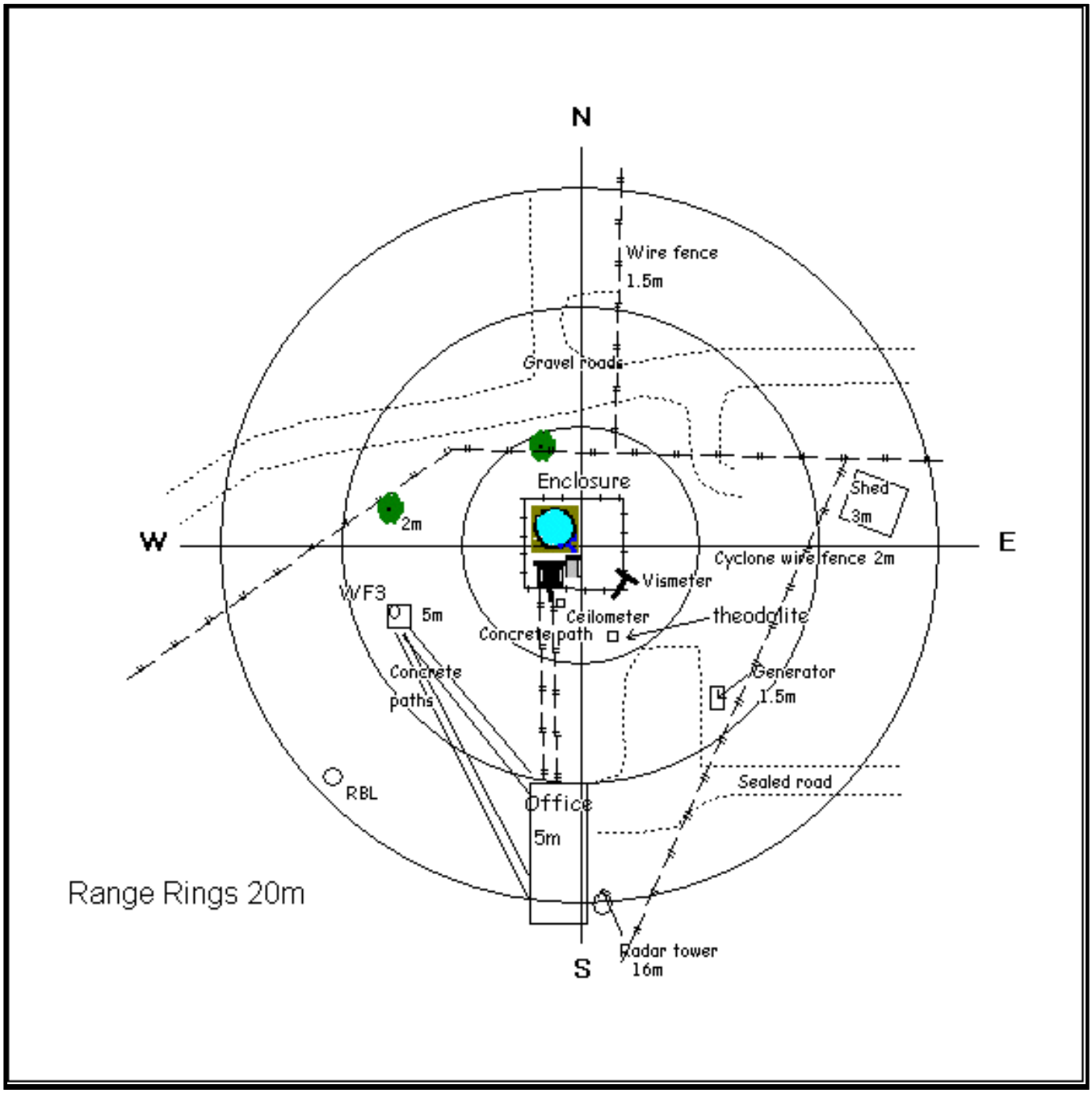


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
19/07/2009

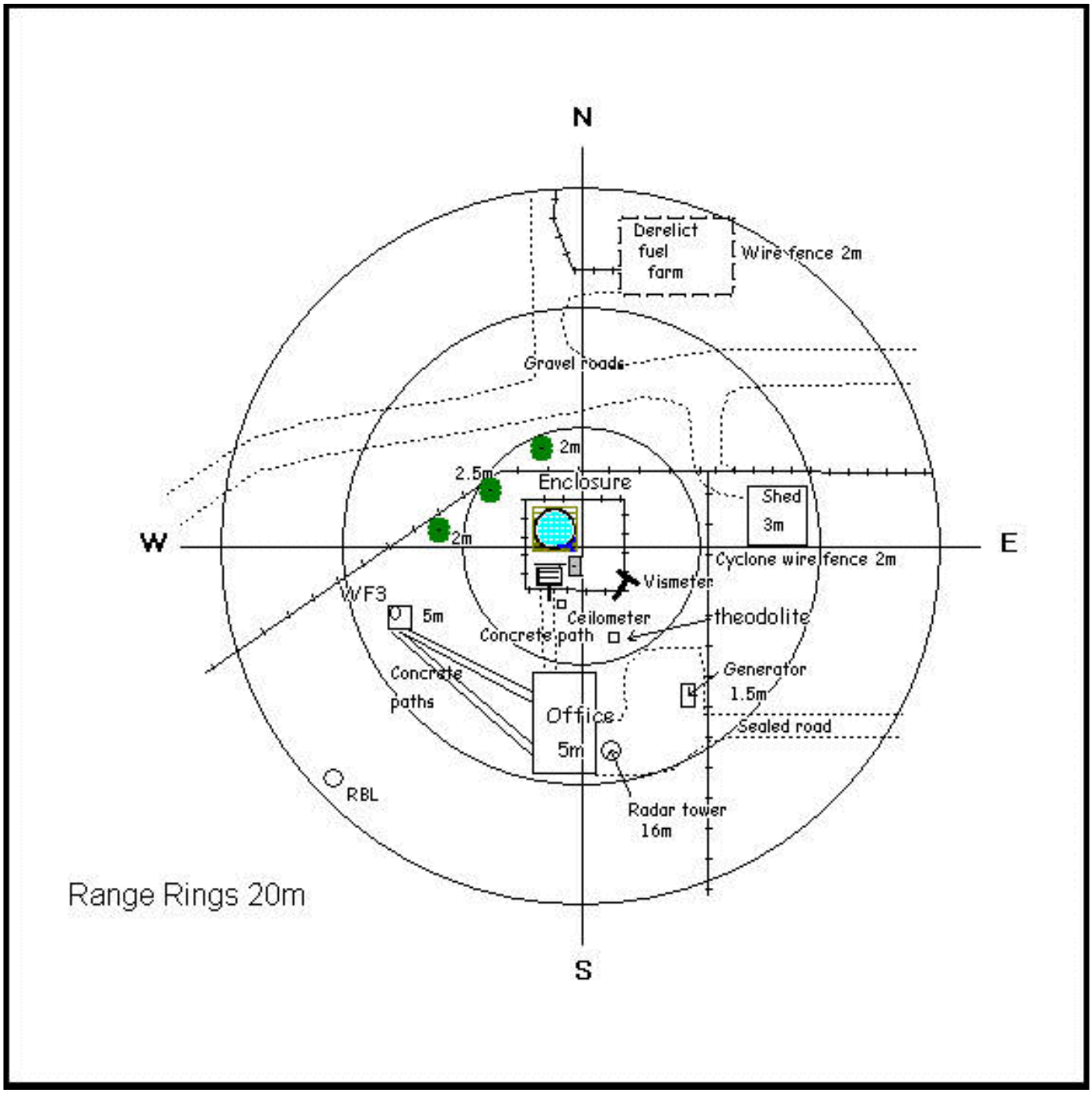


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
04/06/2007

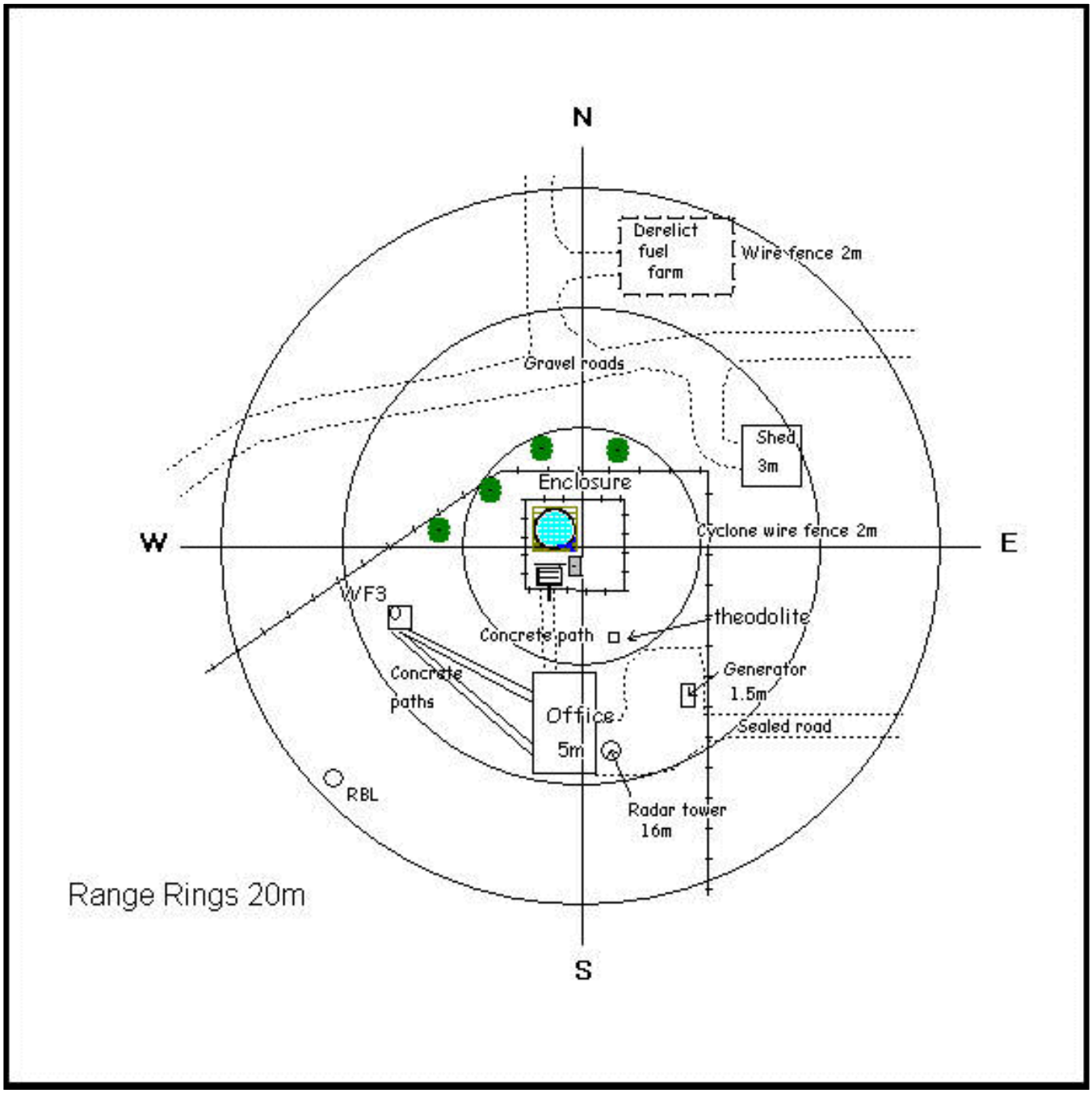


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
18/06/2006

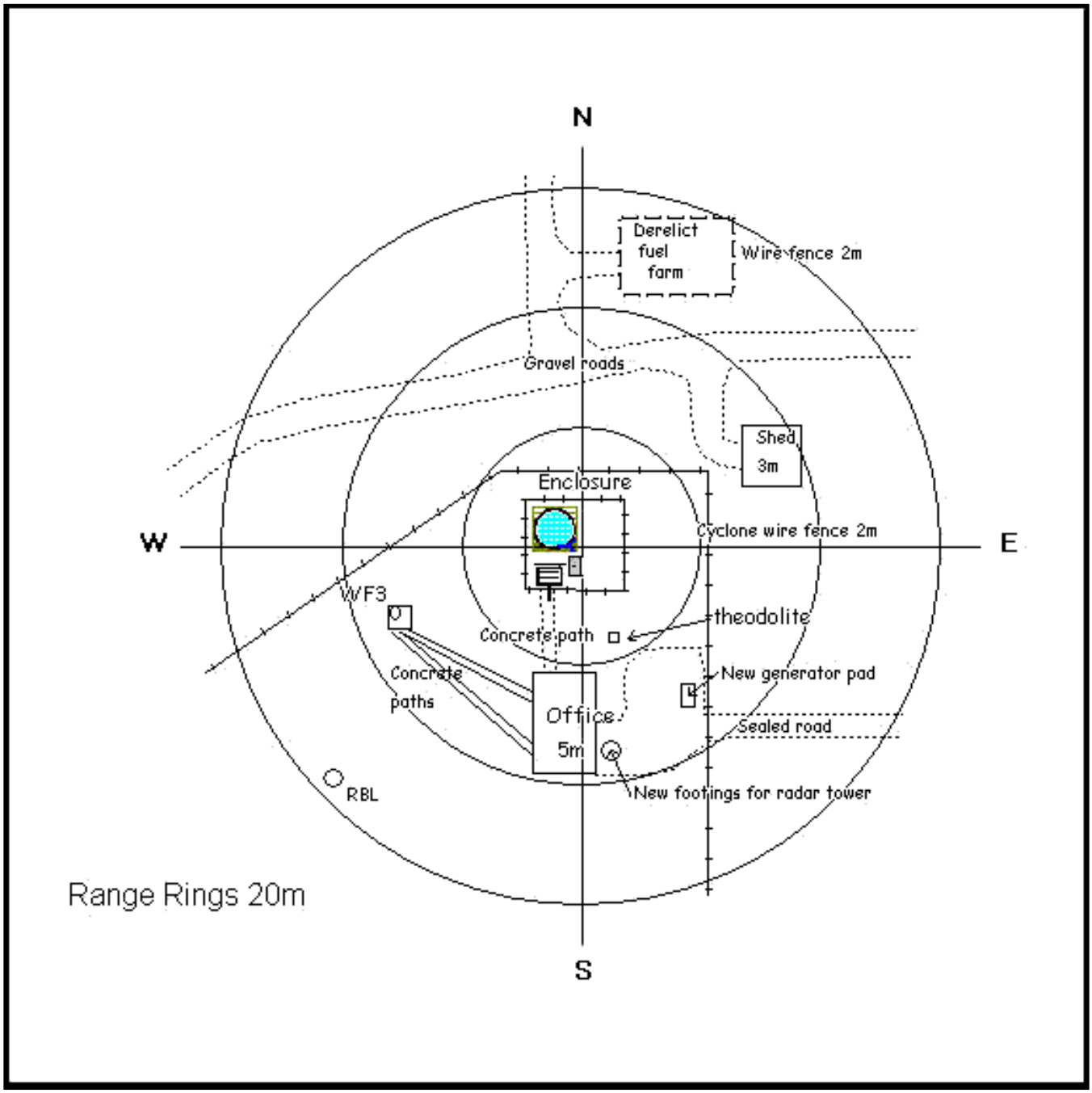


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
05/07/2005

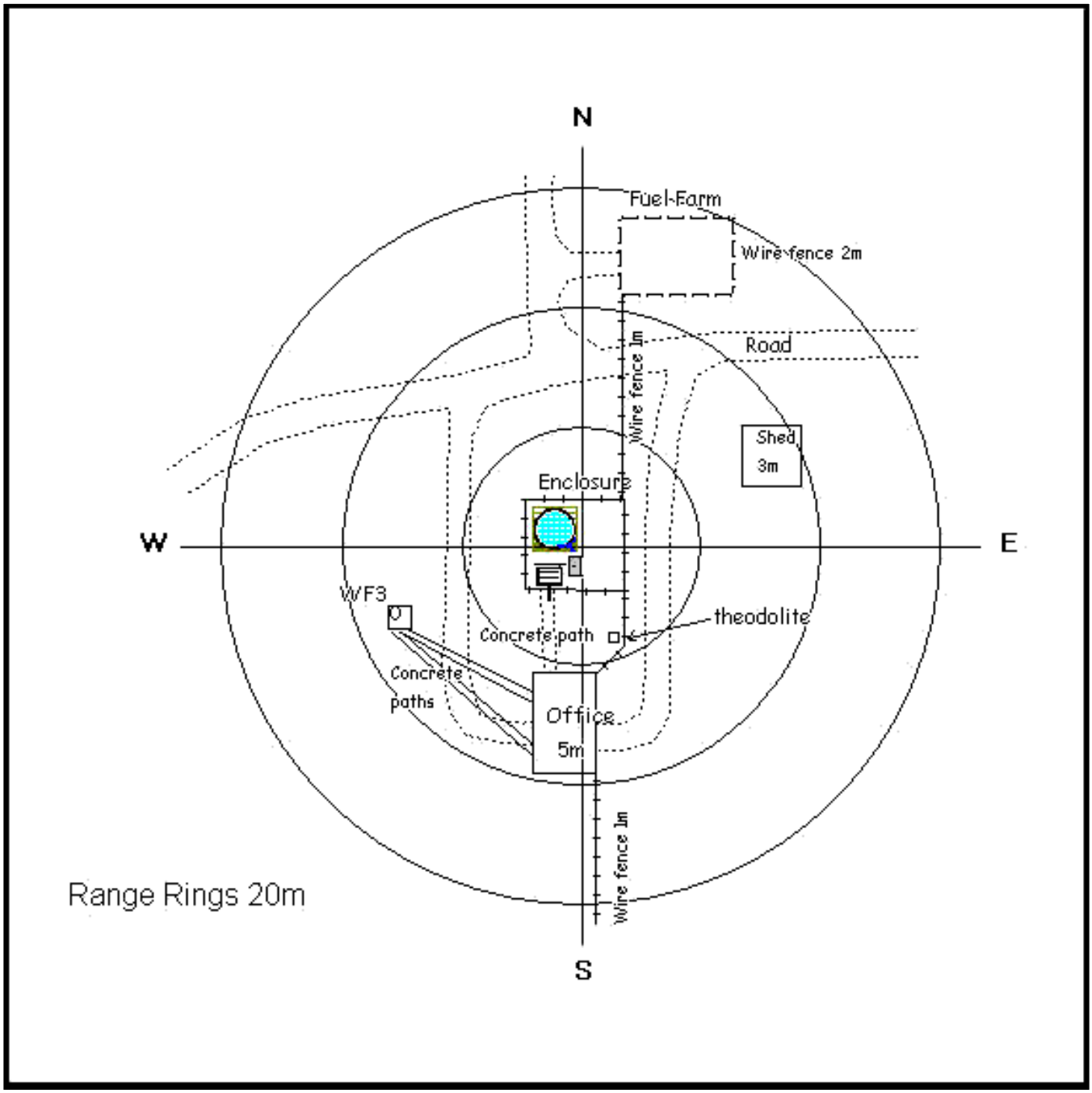


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

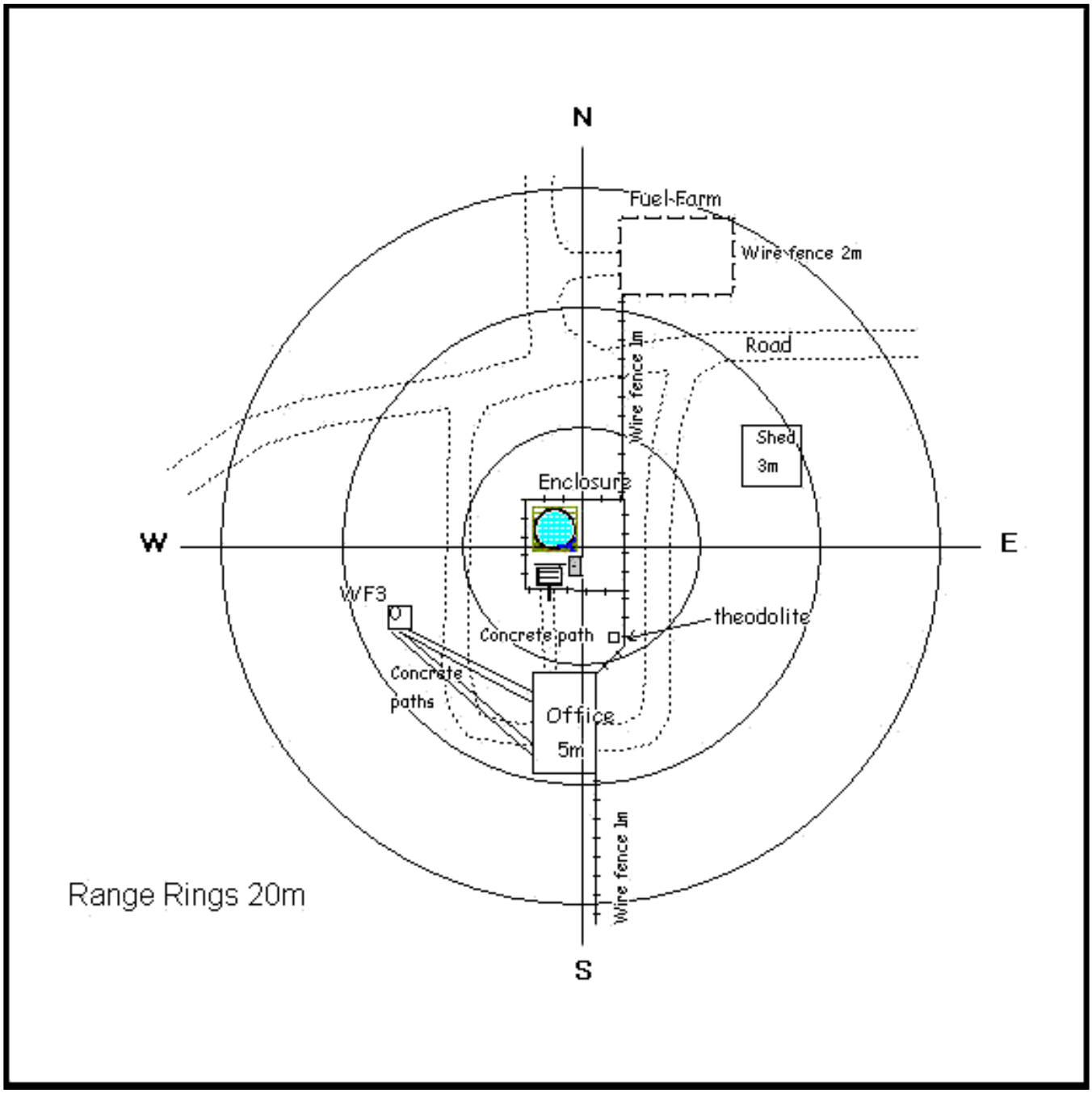
Instrument Location and Surrounding Features
24/07/2004



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

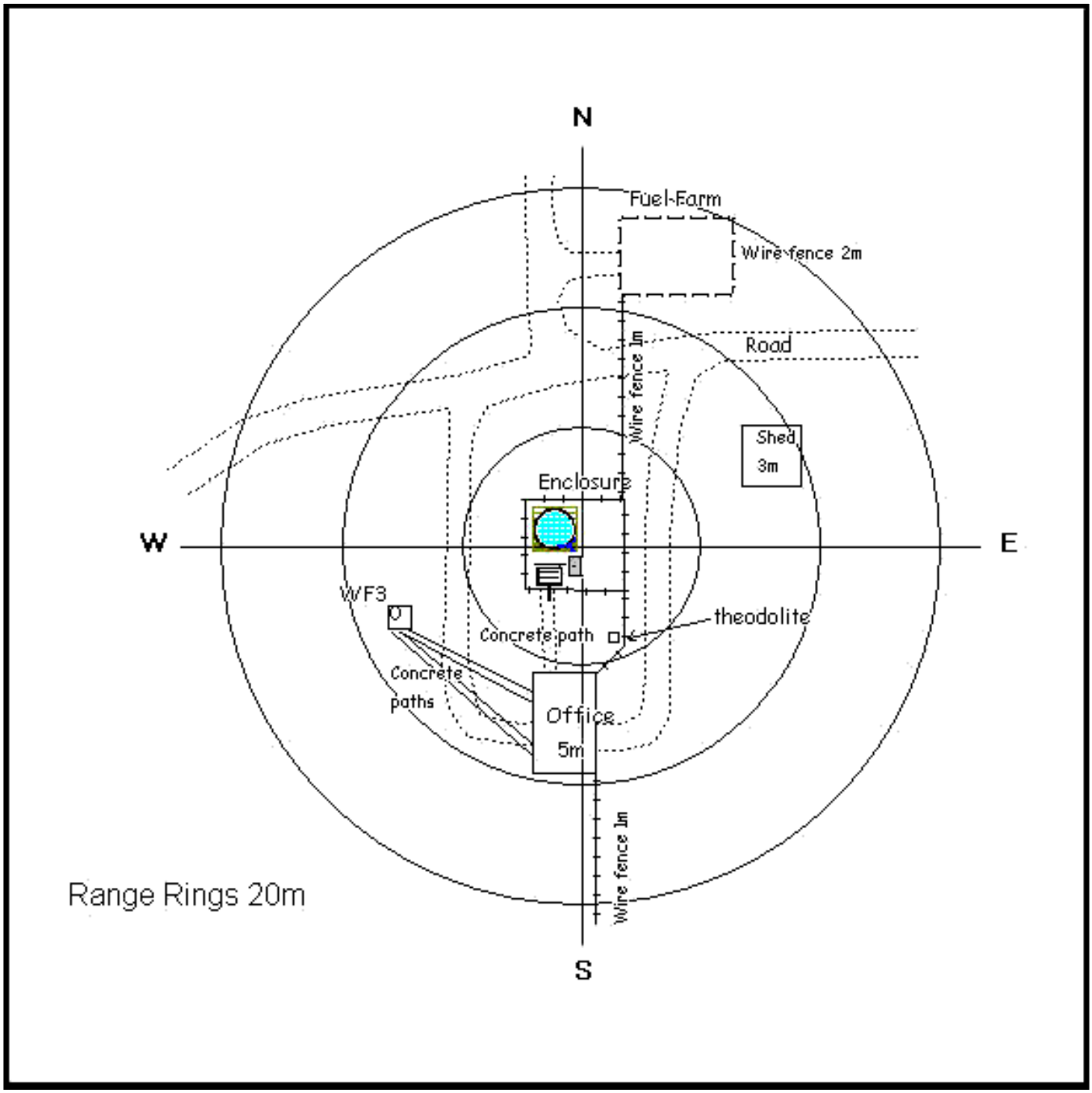
Instrument Location and Surrounding Features
18/08/2003



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
27/07/2002

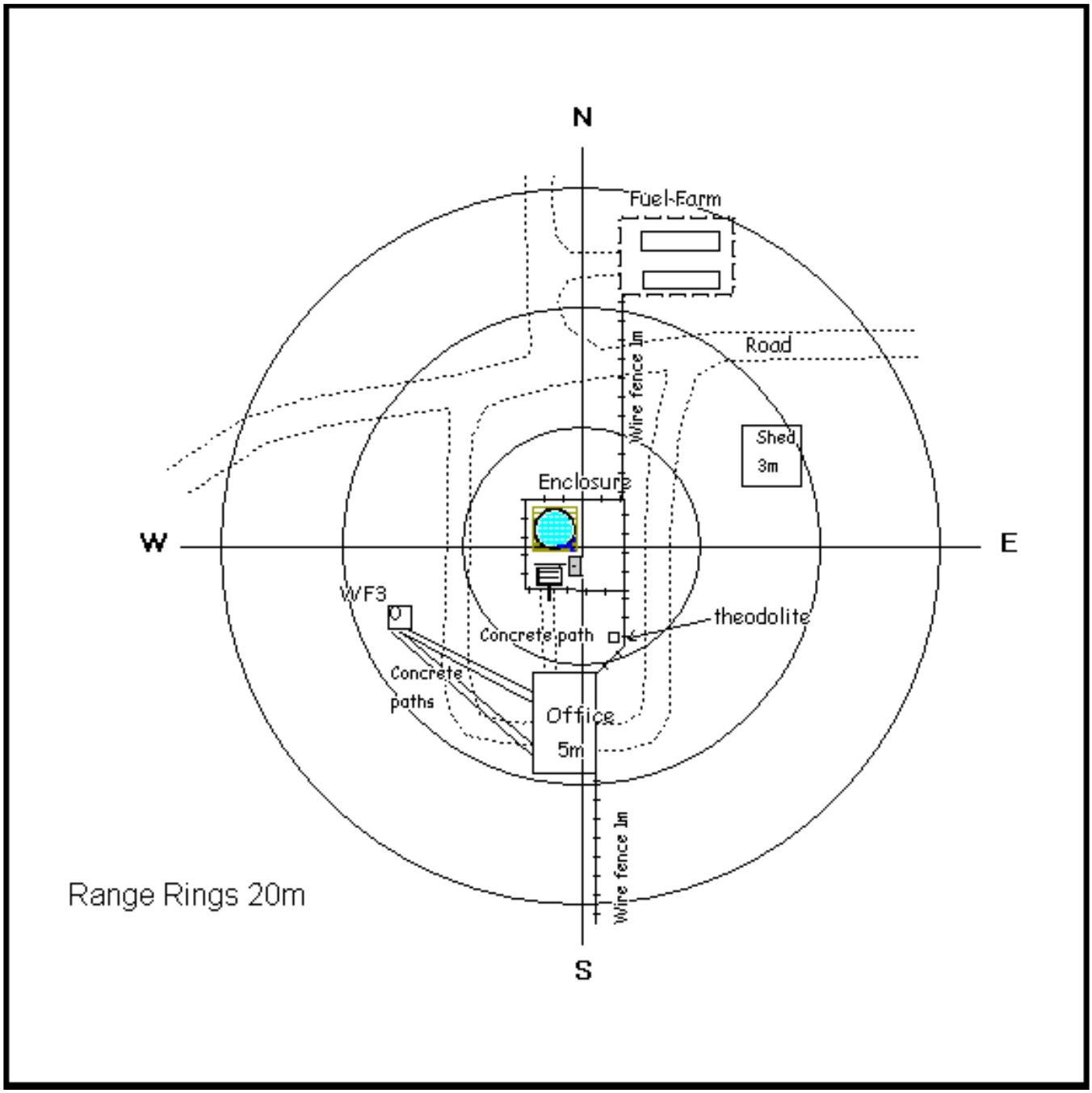


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

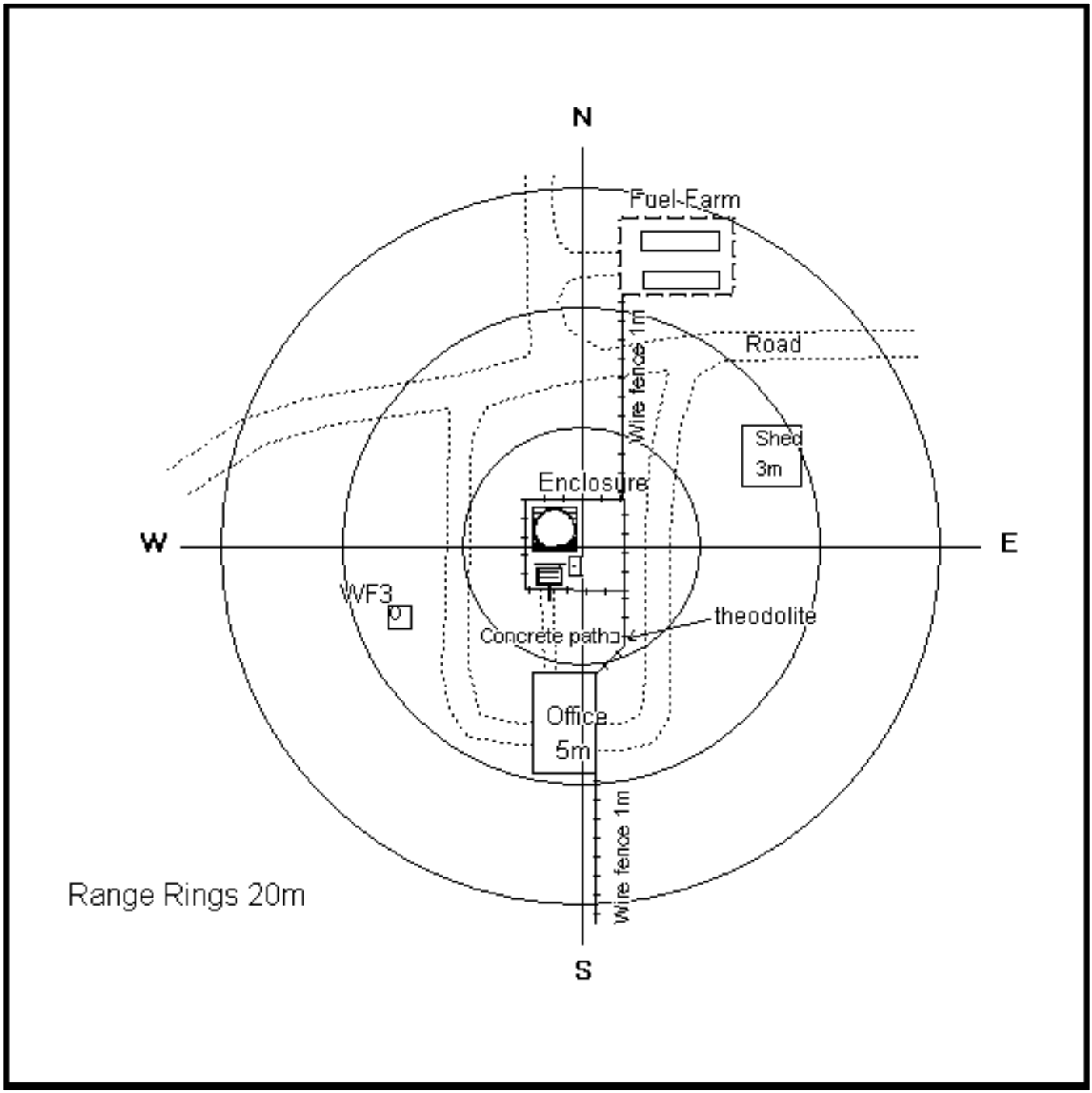
Instrument Location and Surrounding Features
13/05/2001



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

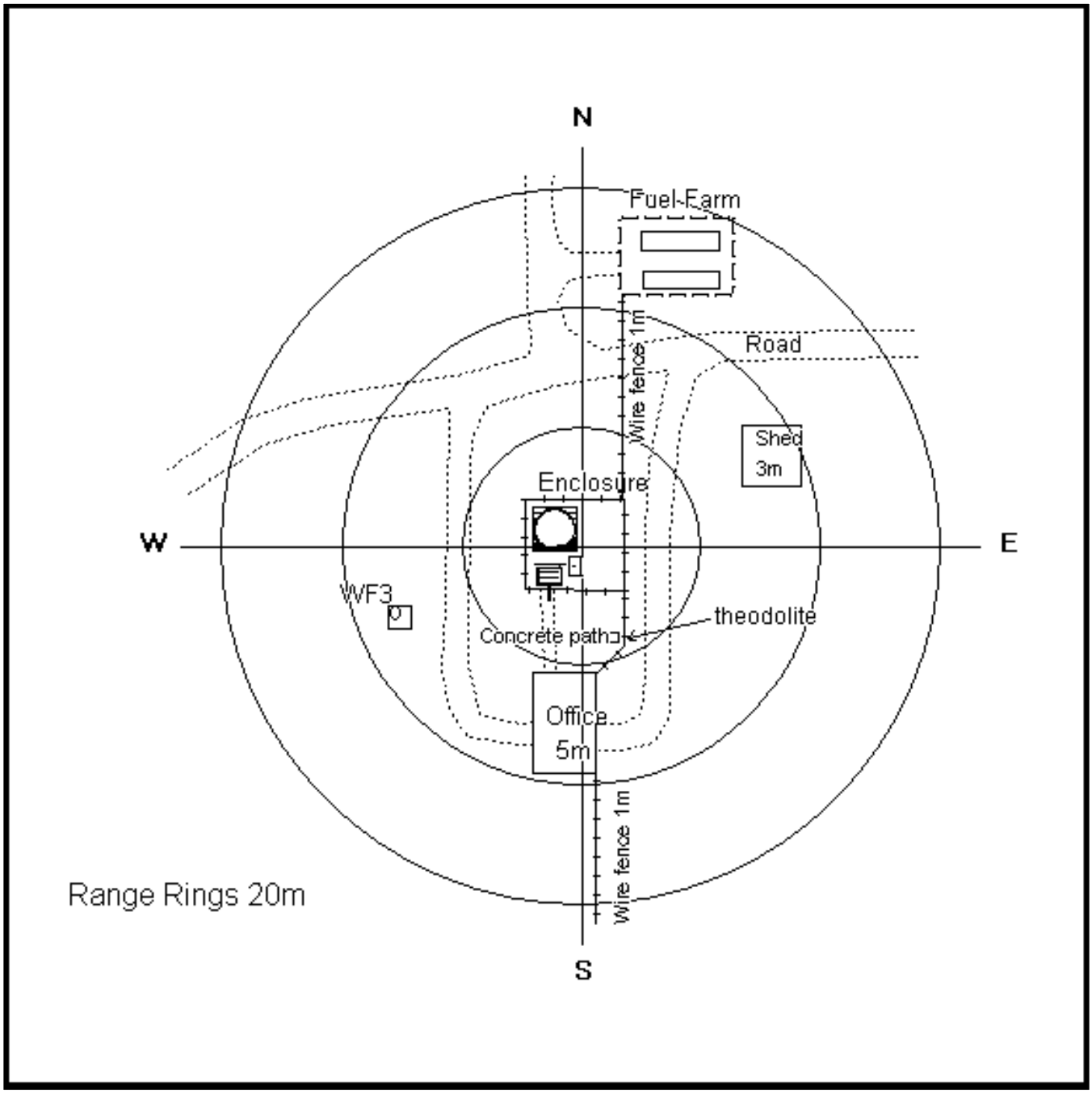
Instrument Location and Surrounding Features
02/09/2000



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

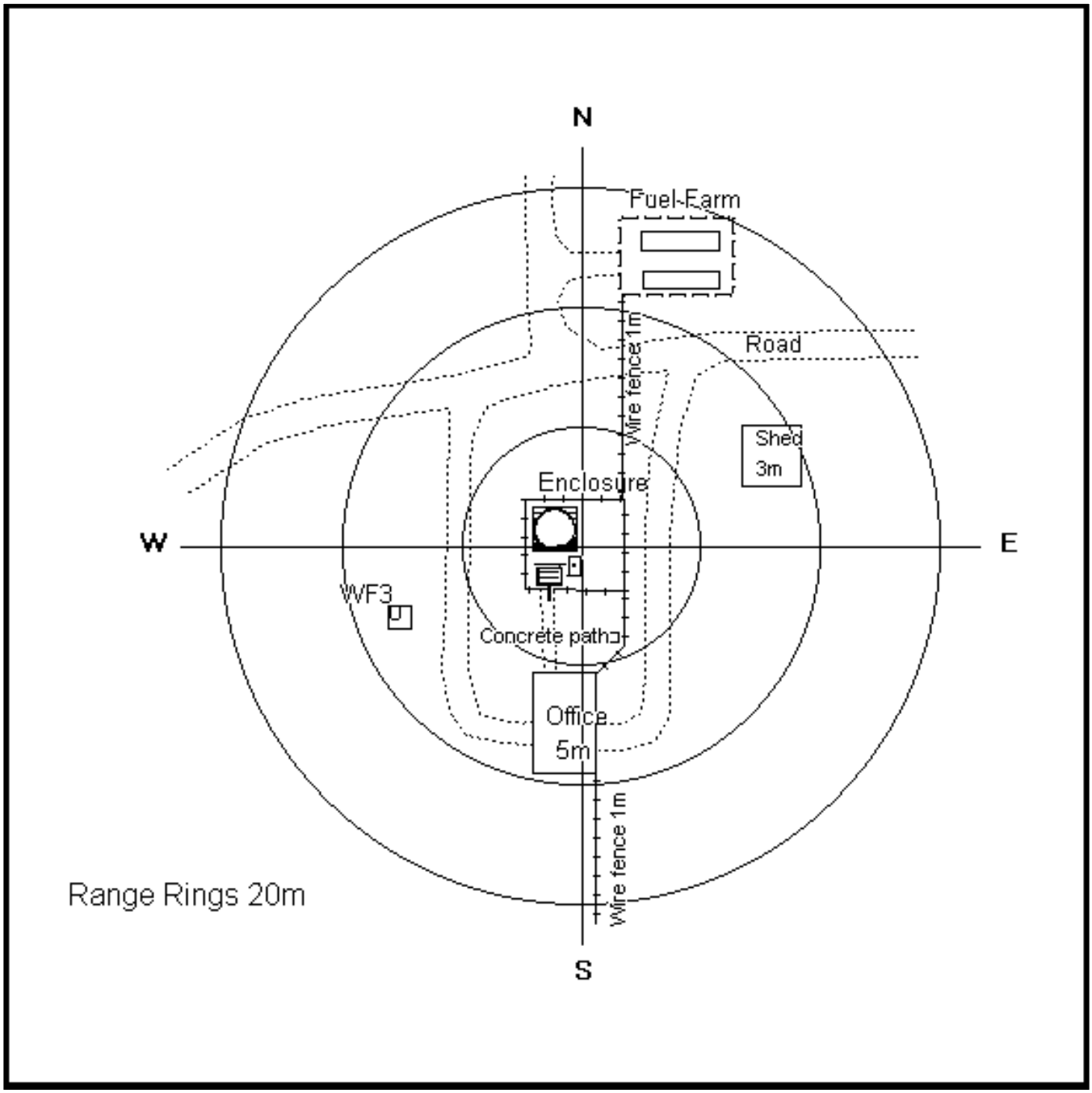
Instrument Location and Surrounding Features
30/05/2000



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features
19/09/1999



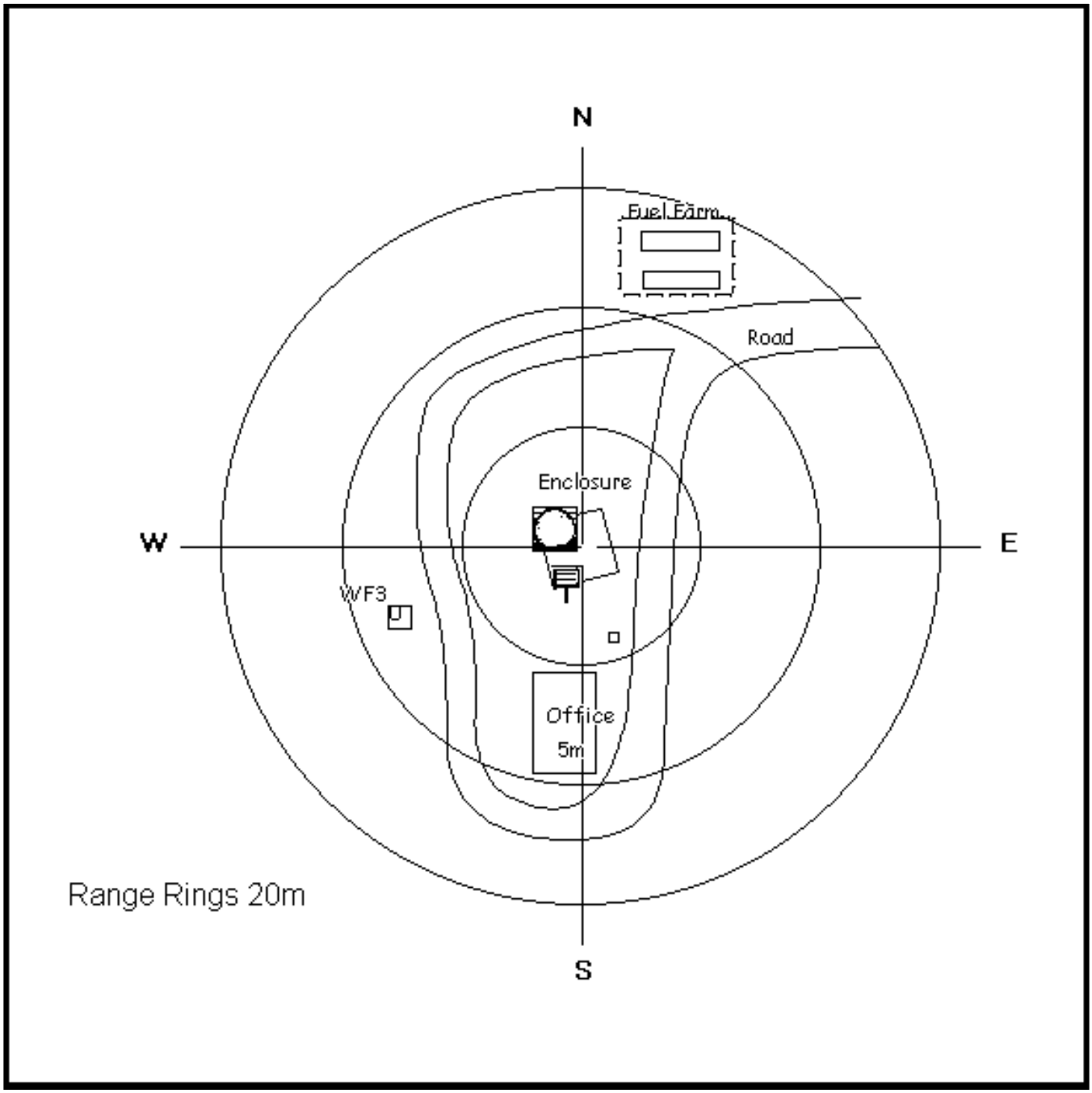
Extended Climatological Station Metadata

All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Instrument Location and Surrounding Features

12/05/1998

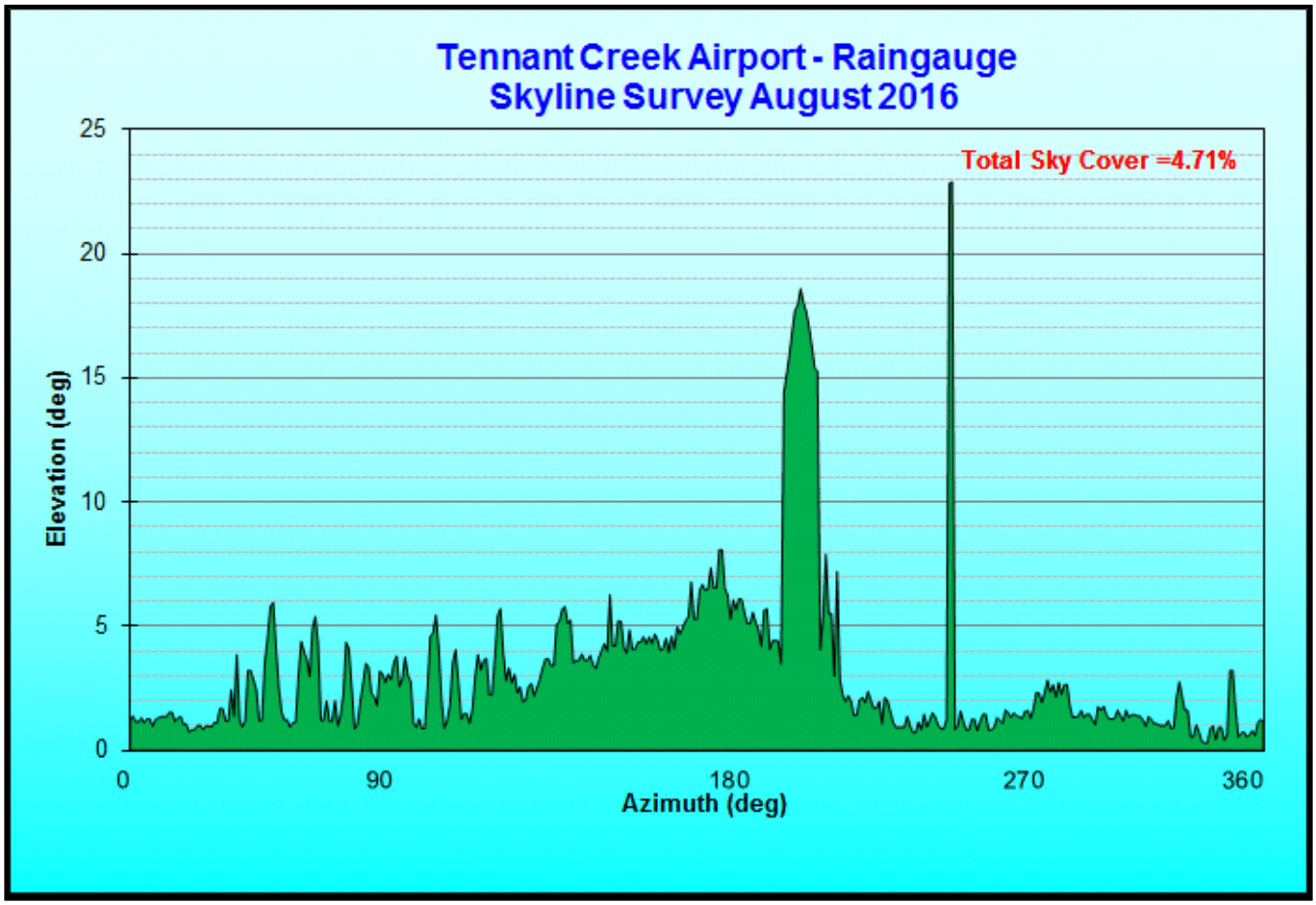


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

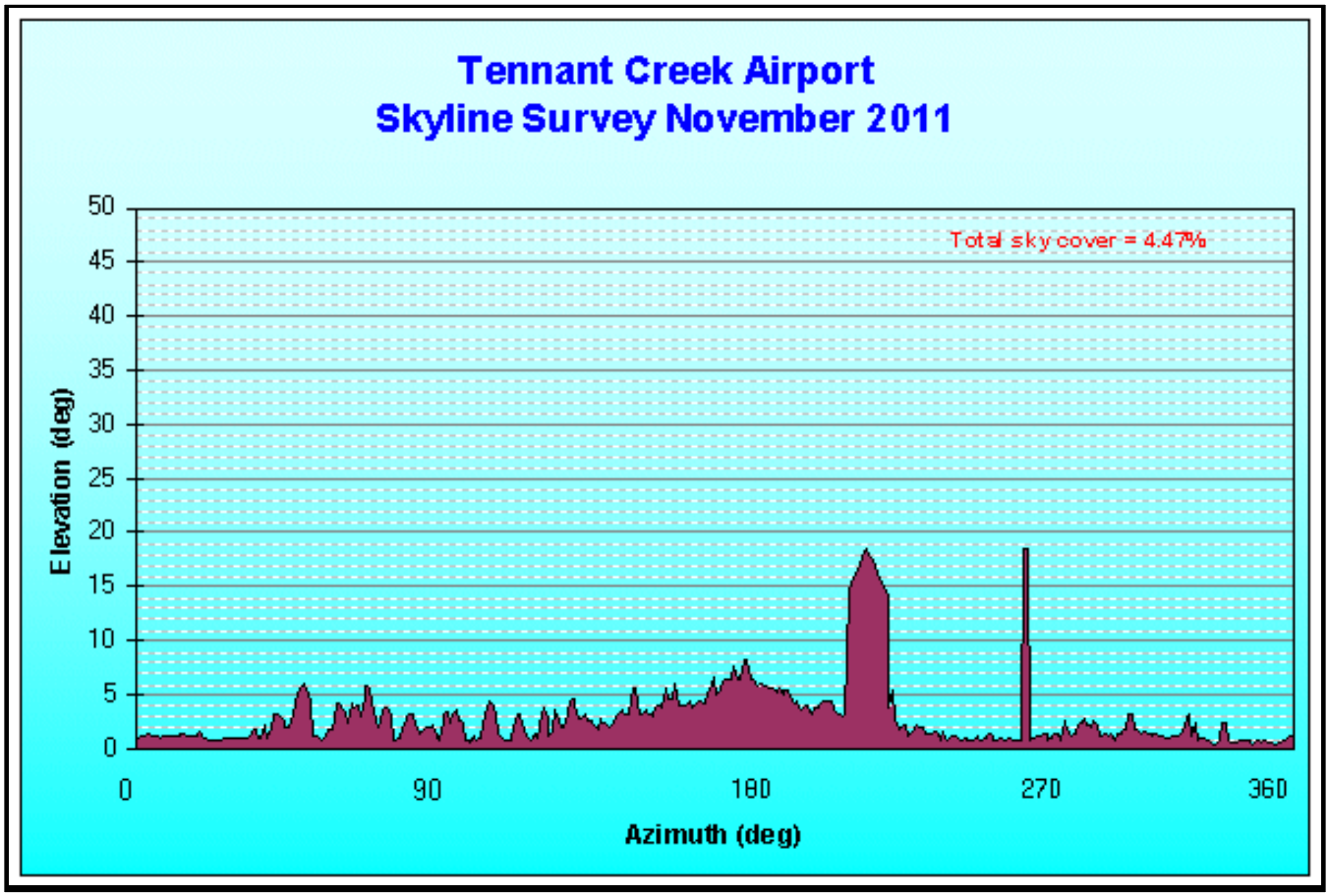
Skyline Diagram
10/08/2016(most recent)



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

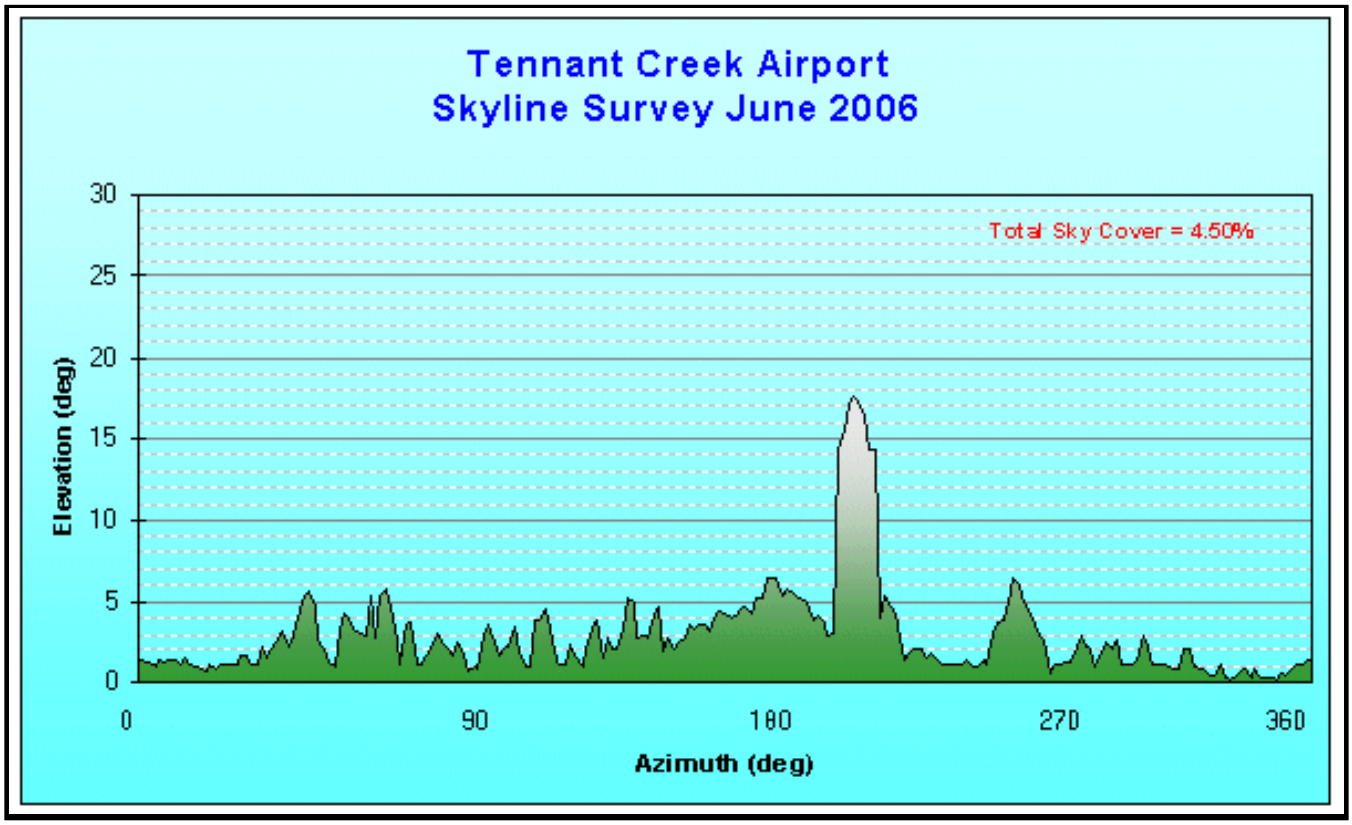
Skyline Diagram
17/11/2011



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Skyline Diagram
18/06/2006

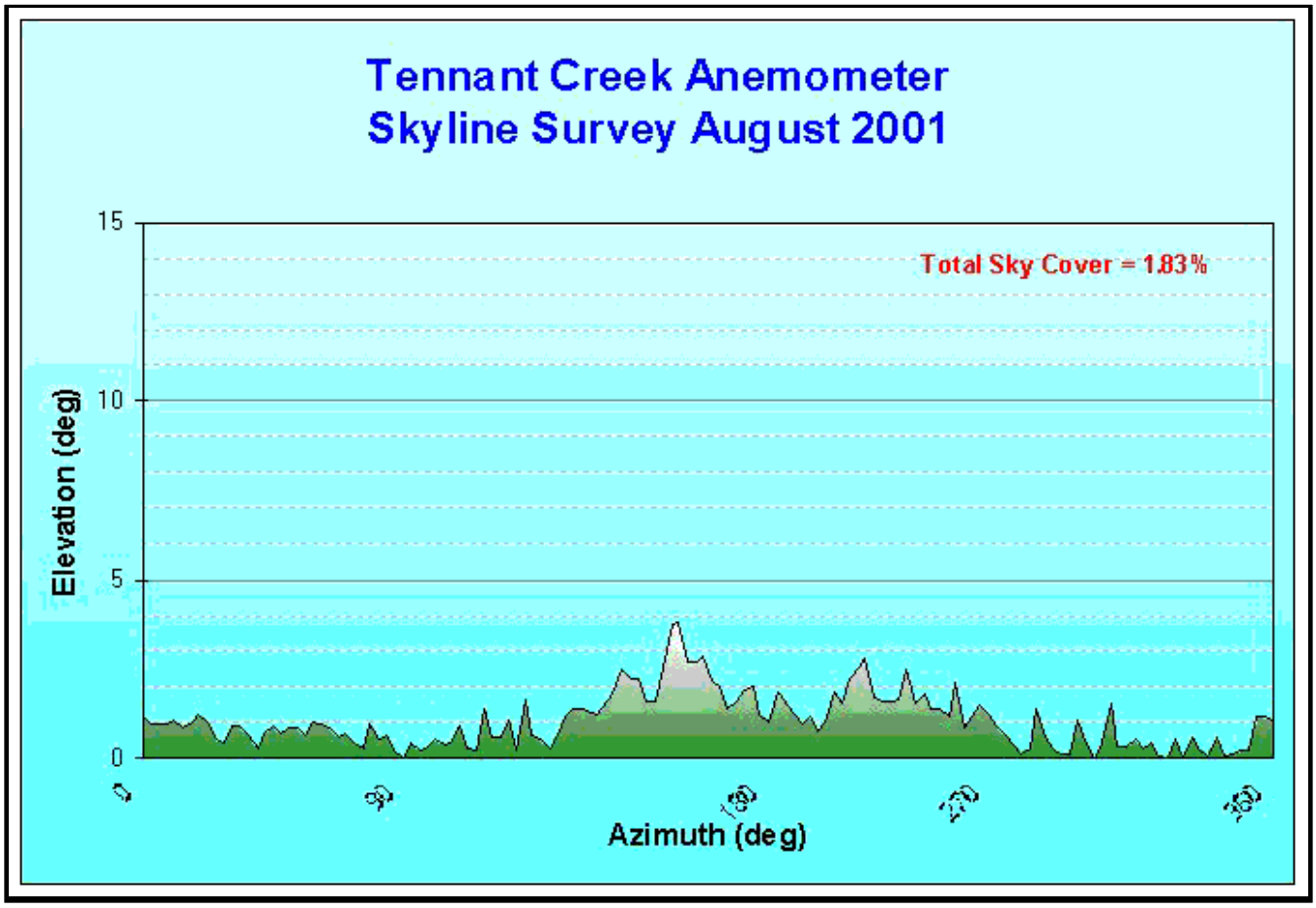


Historical metadata for this site has not been quality controlled for accuracy and completeness. Data other than current station information, particularly earlier than 1998, should be considered accordingly. Information may not be complete, as backfilling of historical data is incomplete.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

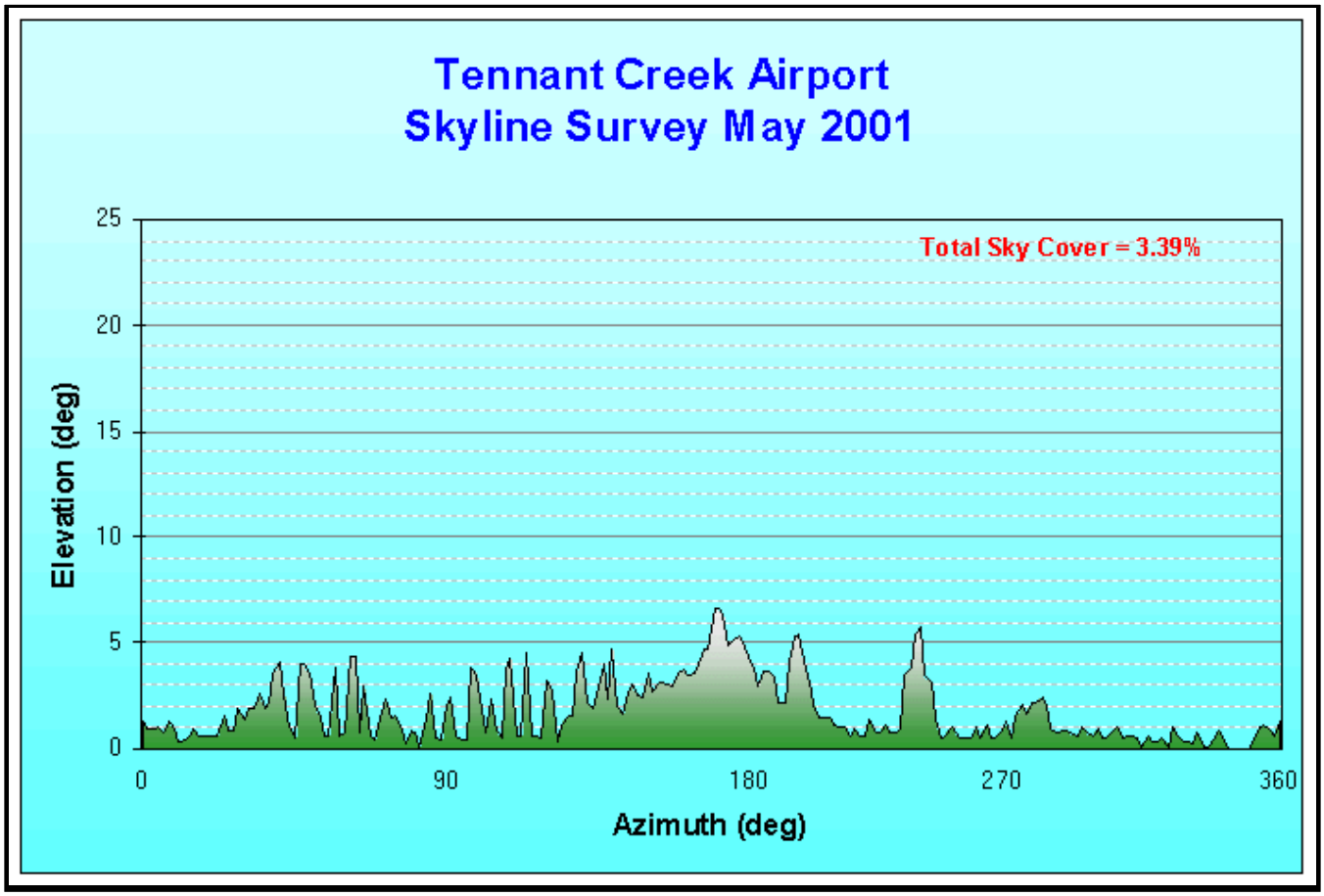
Skyline Diagram
14/08/2001



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

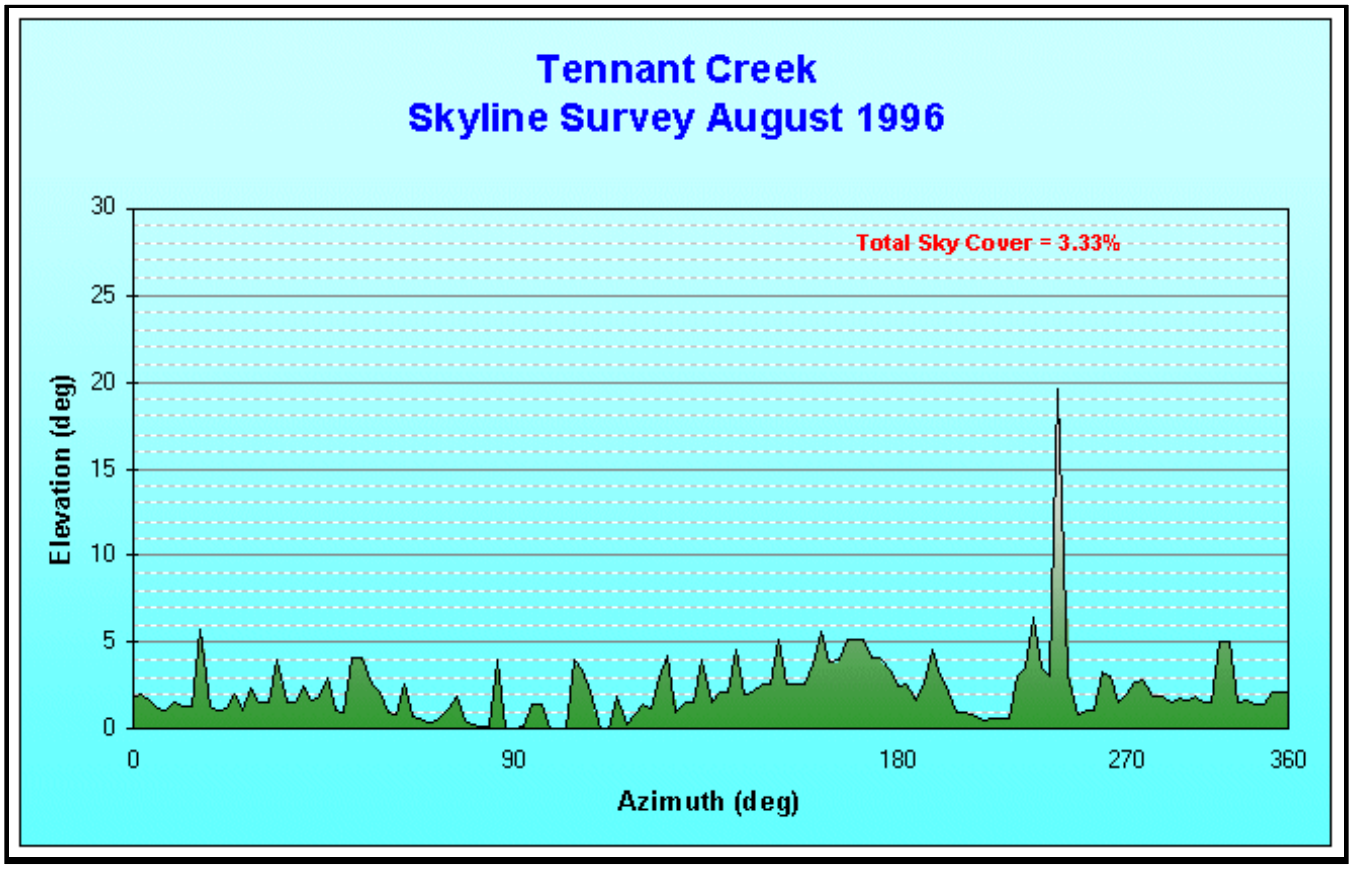
Skyline Diagram
13/05/2001



Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Skyline Diagram
28/08/1996



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.

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Observation Program Summary (Surface Observations) from 01/01/1969 to 01/01/2002

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	Y	Y

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

Station Observation Program Summary (Surface Observations) from 01/01/2002 to 28/08/2003

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	-	Y	Y

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

Station Observation Program Summary (Surface Observations) from 28/08/2003 to 23/02/2012

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

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

Station Observation Program Summary (Surface Observations) from 23/02/2012 to 29/11/2012

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	-	-	-	-	-	-	-	-

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Observation Program Summary (Surface Observations) from 29/11/2012 to 10/01/2015

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

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

Station Observation Program Summary (Surface Observations) from 10/01/2015 to 12/05/2017

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

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

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

Current Observation	Continuous	Half Hourly	Hourly
Surface Observations	Y	Y	Y

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

Upper Air Routine 01/07/1999 to 09/01/2001

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

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Upper Air Routine 09/01/2001 to 10/01/2001

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

Upper Air Routine 10/01/2001 to 27/01/2001

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

Upper Air Routine 27/01/2001 to 01/01/2009

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

Upper Air Routine 01/01/2009 to 23/02/2012

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

Extended Climatological Station Metadata

All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Upper Air Routine 23/02/2012 to 29/11/2012

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

Upper Air Routine 29/11/2012 (most recent)

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

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History

Equipment Install/Remove

Cloud Height

21/SEP/2005 INSTALL Ceilometer (Type Vaisala CT25K S/N - A02502) Surface Observations
01/JUN/2015 REPLACE Ceilometer (Now Vaisala CL31 S/N - K4820005) Surface Observations

Humidity

10/MAY/2017 INSTALL Humidity Probe (Type Rotronics MP101A-T4-W4W S/N - 49513-025) Surface Observations

Pressure Trend

01/JAN/1969 INSTALL Barograph (Type Weekly S/N - 219) Surface Observations
19/AUG/2009 REMOVE Barograph (Type Weekly S/N - 597) Surface Observations
07/JUN/1994 REPLACE Barograph (Now Weekly S/N - 597) Surface Observations

Lightning

01/DEC/1969 INSTALL Lightning Flash Counter (Type CIGRE - Horizontal Aerial S/N - Unknown) Surface Observations
12/MAY/2017 REMOVE Lightning Flash Counter (Type CIGRE - Vertical Aerial S/N - M38) Surface Observations
01/OCT/1982 REPLACE Lightning Flash Counter (Now CIGRE - Vertical Aerial S/N - M38) Surface Observations

Sea Surface Temperature (No Electronic History)

Magnetic Bearing (No Electronic History)

Wind Direction

03/JUL/2007 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 78257) Surface Observations
03/JUN/1998 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WD80WS77) Surface Observations
01/JUL/1990 INSTALL Mast Anemometer (Type Pivot, Standard 10m S/N - NONE) Infrastructure
01/AUG/1969 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM563) Surface Observations
01/JUN/2017 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM590) Surface Observations
12/JUN/2014 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - K711) Surface Observations
03/JUL/2007 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 78208) Surface Observations
14/MAR/2012 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM371) Surface Observations
01/JAN/2011 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM590) Surface Observations
28/NOV/2014 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM590) Surface Observations
18/FEB/2014 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM664) Surface Observations

Wet Bulb Temperature

01/JUL/1990 INSTALL Temperature Probe - Wet Bulb (Type Rosemount S/N - NONE) Surface Observations
08/MAR/2006 INSTALL Temperature Probe - Wet Bulb (Type Temp Control TCBMP01 S/N - 10124) Surface Observations
08/MAR/2006 REMOVE Temperature Probe - Wet Bulb (Type Rosemount S/N - NONE) Surface Observations
10/MAY/2017 REMOVE Temperature Probe - Wet Bulb (Type Temp Control TCBMP01 S/N - 10127) Surface Observations
09/APR/2008 REPLACE Temperature Probe - Wet Bulb (Now Temp Control TCBMP01 S/N - 10127) Surface Observations
23/NOV/2007 REPLACE Temperature Probe - Wet Bulb (Now Temp Control TCBMP01 S/N - 10147) Surface Observations
01/AUG/1969 INSTALL Thermometer, Mercury, Wet Bulb (Type Dobbie S/N - M1903) Surface Observations
01/JUN/2017 REMOVE Thermometer, Mercury, Wet Bulb (Type WIKA S/N - 28740) Surface Observations
08/FEB/2012 REPLACE Thermometer, Mercury, Wet Bulb (Now Unknown S/N - 20099) Surface Observations
07/JUN/2012 REPLACE Thermometer, Mercury, Wet Bulb (Now Unknown S/N - 20279) Surface Observations
13/JUN/2012 REPLACE Thermometer, Mercury, Wet Bulb (Now WIKA S/N - 28740) Surface Observations

Solar Radiation (Long Wave)

19/JUL/1998 INSTALL Pyrgeometer (Type Epply PIR S/N - 28988F3) Radiation
24/JUN/2006 REMOVE Pyrgeometer (Type Epply PIR S/N - 28988F3) Radiation

Spectral Radiation

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

02/JUL/1999 INSTALL Photometer Head (Type SPO2 Mk1 S/N - 1004) Radiation
24/JUN/2006 REMOVE Photometer Head (Type SPO2 Mk1 S/N - 1053) Radiation
15/AUG/2005 REPLACE Photometer Head (Now SPO2 Mk1 S/N - 1053) Radiation

Maximum Temperature

01/AUG/1969 INSTALL Thermometer, Mercury, Max (Type Dobbie S/N - 15389) Surface Observations
01/JUN/2017 REMOVE Thermometer, Mercury, Max (Type Dobbie S/N - 15414) Surface Observations
13/JAN/2006 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - 15414) Surface Observations
30/NOV/2005 REPLACE Thermometer, Mercury, Max (Now Dobbie S/N - 20565) Surface Observations

Soil Temperature 10cm

19/JUL/2009 INSTALL Thermometer, Soil, 10cm (Type Amarol S/N - CBM2171) Surface Observations
30/JUL/1969 INSTALL Thermometer, Soil, 10cm (Type Dobros S/N - CBM330) Surface Observations
01/JUN/2017 REMOVE Thermometer, Soil, 10cm (Type Amarol S/N - 0398746) Surface Observations
16/MAR/2010 REMOVE Thermometer, Soil, 10cm (Type Dobros S/N - CBM330) Surface Observations
05/JUN/2013 REPLACE Thermometer, Soil, 10cm (Now Amarol S/N - 0398746) Surface Observations
01/MAR/2011 REPLACE Thermometer, Soil, 10cm (Now Unknown S/N - 00415498) Surface Observations

Soil Temperature 20cm

30/JUL/1969 INSTALL Thermometer, Soil, 20cm (Type Dobros S/N - 9566412) Surface Observations
01/JUN/2017 REMOVE Thermometer, Soil, 20cm (Type Amarol S/N - 9566406) Surface Observations
15/APR/2005 REPLACE Thermometer, Soil, 20cm (Now Amarol S/N - 9566406) Surface Observations

Soil Temperature 50cm

30/JUL/1969 INSTALL Thermometer, Soil, 50cm (Type Dobros S/N - CBM288) Surface Observations
01/JUN/2017 REMOVE Thermometer, Soil, 50cm (Type Dobros S/N - CBM288) Surface Observations

Snow Height (No Electronic History)

Soil Temperature 100cm

30/JUL/1969 INSTALL Thermometer, Soil, 100cm (Type Dobros S/N - CBM256) Surface Observations
01/JUN/2017 REMOVE Thermometer, Soil, 100cm (Type Unknown S/N - 0398351) Surface Observations
02/OCT/2005 REPLACE Thermometer, Soil, 100cm (Now Amarol S/N - 9984531) Surface Observations
05/APR/2012 REPLACE Thermometer, Soil, 100cm (Now Unknown S/N - 0398351) Surface Observations
26/DEC/2011 REPLACE Thermometer, Soil, 100cm (Now Unknown S/N - 9725169) Surface Observations

Sunshine Hours

01/AUG/1969 INSTALL Sunshine Recorder (Type Campbell-Stokes S/N - CBM001) Surface Observations
01/JUN/2017 REMOVE Sunshine Recorder (Type Campbell-Stokes S/N - CBM001) Surface Observations

Wind Run

01/AUG/1969 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM563) Surface Observations
01/JUN/2017 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM590) Surface Observations
14/MAR/2012 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM371) Surface Observations
01/JAN/2011 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM590) Surface Observations
28/NOV/2014 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM590) Surface Observations
18/FEB/2014 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM664) Surface Observations

Minimum Temperature

01/AUG/1969 INSTALL Thermometer, Alcohol, Min (Type Dobbie S/N - 17306) Surface Observations
01/JUN/2017 REMOVE Thermometer, Alcohol, Min (Type Dobbie S/N - 17075) Surface Observations
30/NOV/2005 REPLACE Thermometer, Alcohol, Min (Now Dobbie S/N - 17075) Surface Observations

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

Terrestial Minimum Temperature

01/AUG/1969 INSTALL Thermometer, Terrestrial, Min (Type Dobbie S/N - 20463) Surface Observations
01/JUN/2017 REMOVE Thermometer, Terrestrial, Min (Type WIKA S/N - 31886) Surface Observations
09/FEB/2008 REPLACE Thermometer, Terrestrial, Min (Now Dobbie S/N - 17011) Surface Observations
05/JUN/2013 REPLACE Thermometer, Terrestrial, Min (Now WIKA S/N - 31886) Surface Observations

Visibility

21/SEP/2005 INSTALL Visibility Meter (Type Vaisala FD12 S/N - X14305) Surface Observations

Soil Temperature 5cm (No Electronic History)

Sub Surface Temperature (No Electronic History)

Electrical Conductivity (No Electronic History)

Oxygen Content (No Electronic History)

RF Reflectivity

30/JUN/1992 INSTALL Equipment Shelter (Type Radar - Purpose Built Building S/N - NONE) Infrastructure
29/SEP/2005 INSTALL Radar (Type WF100-5C S/N - 00042) Upper Air
29/SEP/2005 INSTALL Radar (Type WF100-5C S/N - 00042) WeatherWatch
01/MAY/1973 INSTALL Radar (Type WF3 S/N - Unknown) Upper Air
01/NOV/1979 INSTALL Radar Interface (Type BOM S/N - NONE) Upper Air
29/SEP/2005 INSTALL Radar Interface (Type BOM S/N - Unknown) WeatherWatch
18/MAY/2015 INSTALL Radar Safety System (RSS) (Type RSS (2502C/8502S) S/N - 6236-05) WeatherWatch
29/SEP/2005 INSTALL Radar Tower (Type Cylindrical WF100 - 15.75 m S/N - NONE) Infrastructure
01/SEP/2011 REMOVE Equipment Shelter (Type Radar - Purpose Built Building S/N - NONE) Infrastructure
01/JUL/2015 REMOVE Radar (Type WF100-5C S/N - 00042) Upper Air
01/JUL/2015 REMOVE Radar (Type WF100-5C S/N - 00042) WeatherWatch
17/NOV/2005 REMOVE Radar (Type WF3 S/N - 012819) Upper Air
17/NOV/2005 REMOVE Radar Interface (Type BOM S/N - NONE) Upper Air
30/SEP/2005 REMOVE Radar Interface (Type BOM S/N - Unknown) WeatherWatch
01/JUL/2015 REMOVE Radar Safety System (RSS) (Type RSS (2502C/8502S) S/N - 6236-05) WeatherWatch
01/NOV/1979 REPLACE Radar (Now WF3 S/N - 012819) Upper Air

Total Column Ozone Amount (No Electronic History)

Pressure

08/JUL/1990 INSTALL Barometer (Type Vaisala PA11A S/N - 458189) Surface Observations
08/NOV/2000 REPLACE Barometer (Now Vaisala PA11A S/N - S1110002) Surface Observations
28/SEP/2005 REPLACE Barometer (Now Vaisala PA11A S/N - T1330006) Surface Observations
28/FEB/2012 REPLACE Barometer (Now Vaisala PTB330B (General Use) S/N - G2310012) Surface Observations

Evaporation

01/AUG/1969 INSTALL Evaporation Pan (Type Class A S/N - NONE) Surface Observations
01/JUN/2017 REMOVE Evaporation Pan (Type Class A S/N - NONE) Surface Observations

Rainfall

01/JAN/1969 INSTALL Pluviograph (Type Dines syphoning S/N - 13) Rainfall Intensity
20/NOV/2005 REMOVE Pluviograph (Type Dines syphoning S/N - 13) Rainfall Intensity
01/JAN/1969 INSTALL Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations
01/JUL/1990 INSTALL Raingauge (Type Rimco 7499 TBRG S/N - 92/013) Surface Observations
10/APR/2018 REMOVE Raingauge (Type 203 mm (8in) - 200mm capacity S/N - NONE) Surface Observations

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

18/JUN/2006 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 84657) Rainfall Intensity
18/JUN/2006 REPLACE Raingauge (Now Rimco 7499 TBRG S/N - 84657) Surface Observations
08/MAR/2006 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 84649) Rainfall Intensity
08/MAR/2006 REPLACE Raingauge (Now Rimco 8020 TBRG S/N - 84649) Surface Observations
09/MAR/1999 REPLACE Raingauge (Now Rimco TBRG (type unspecified) S/N - 72812) Rainfall Intensity
09/MAR/1999 REPLACE Raingauge (Now Rimco TBRG (type unspecified) S/N - 72812) Surface Observations
30/MAY/2000 SHARE Raingauge (Type Rimco 7499 TBRG S/N - 92/013) Rainfall Intensity
30/MAY/2000 SHARE Raingauge (Type Rimco 8020 TBRG S/N - 84649) Rainfall Intensity
30/MAY/2000 SHARE Raingauge (Type Rimco TBRG (type unspecified) S/N - 72812) Rainfall Intensity
15/SEP/2018 UNSHARE Raingauge (Type Rimco 7499 TBRG S/N - 84657) Rainfall Intensity

River Height (No Electronic History)

Solar Radiation

15/JAN/1996 INSTALL Global Pyranometer Mount (Type Carter Scott Mk1 S/N - Unknown) Radiation
15/JAN/1996 INSTALL Pyranometer (Type Kipp&Zonen CM11 S/N - 924020) Radiation
15/JAN/1996 INSTALL Pyranometer (Type Kipp&Zonen CM11 S/N - 924040) Radiation
24/JUN/2006 REMOVE Global Pyranometer Mount (Type Carter Scott Mk1 S/N - Unknown) Radiation
24/JUN/2006 REMOVE Pyranometer (Type Kipp&Zonen CM11 S/N - 924020) Radiation
24/JUN/2006 REMOVE Pyranometer (Type Kipp&Zonen CM11 S/N - 924040) Radiation
16/JUL/1997 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924020) Radiation
19/JUL/1998 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924020) Radiation
23/APR/1999 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924020) Radiation
14/MAY/2000 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924020) Radiation
04/MAY/2003 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924020) Radiation
14/AUG/2005 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924020) Radiation
16/JUL/1997 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924040) Radiation
19/JUL/1998 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924040) Radiation
23/APR/1999 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924040) Radiation
14/MAY/2000 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924040) Radiation
04/MAY/2003 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924040) Radiation
14/AUG/2005 REPLACE Pyranometer (Now Kipp&Zonen CM11 S/N - 924040) Radiation

Solar Radiation (Direct)

15/JAN/1996 INSTALL Pyrheliometer (Type Kipp&Zohen CH1 S/N - 940044) Radiation
24/JUN/2006 REMOVE Pyrheliometer (Type Kipp&Zohen CH1 S/N - 940044) Radiation

Turbidity (No Electronic History)

Sea Water Level (No Electronic History)

Sea Water Temperature (No Electronic History)

Wind Speed

03/JUL/2007 INSTALL Anemometer (Type Synchrotac Cups - Type 732 S/N - 78257) Surface Observations
03/JUN/1998 INSTALL Anemometer (Type Synchrotac Vane - Type 706 S/N - WD80WS77) Surface Observations
01/JUL/1990 INSTALL Mast Anemometer (Type Pivot, Standard 10m S/N - NONE) Infrastructure
01/AUG/1969 INSTALL Wind Run Anemometer (Type Synchrotac S/N - CBM563) Surface Observations
01/JUN/2017 REMOVE Wind Run Anemometer (Type Synchrotac S/N - CBM590) Surface Observations
12/JUN/2014 REPLACE Anemometer (Now Synchrotac Cups - Type 732 S/N - K711) Surface Observations

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History (continued)

Equipment Install/Remove(Continued)

03/JUL/2007 REPLACE Anemometer (Now Synchrotac Vane - Type 706 S/N - 78208) Surface Observations
14/MAR/2012 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM371) Surface Observations
01/JAN/2011 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM590) Surface Observations
28/NOV/2014 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM590) Surface Observations
18/FEB/2014 REPLACE Wind Run Anemometer (Now Synchrotac S/N - CBM664) Surface Observations

Air Temperature

10/MAY/2017 INSTALL Humidity Probe (Type Rotronics MP101A-T4-W4W S/N - 49513-025) Surface Observations
01/JUL/1990 INSTALL Temperature Probe - Dry Bulb (Type Rosemount S/N - NONE) Surface Observations
08/MAR/2006 REPLACE Temperature Probe - Dry Bulb (Now Temp Control TCBMP01 S/N - 10125) Surface Observations
01/AUG/1969 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 15859) Surface Observations
05/JUN/2013 INSTALL Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 20187) Surface Observations
16/MAR/2010 REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 15859) Surface Observations
01/JUN/2017 REMOVE Thermometer, Mercury, Dry Bulb (Type Dobbie S/N - 20187) 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
03/MAR/2011 - 17/FEB/2021	Cloud Height	0
10/MAY/2017 - 17/FEB/2021	Humidity	0
24/JUL/2004 - 18/JUN/2006	Pressure Trend	0
09/MAR/1999 - 17/FEB/2021	Wind Direction	4
09/MAR/1999 - 09/MAY/2017	Wet Bulb Temperature	1
19/JUL/1998 - 19/JUL/1998	Solar Radiation (Long Wave)	0
24/JUL/2004 - 16/FEB/2014	Wind Run	1
21/SEP/2005 - 17/FEB/2021	Visibility	0
14/MAR/2007 - 01/DEC/2014	RF Reflectivity	1
12/MAY/1998 - 17/FEB/2021	Pressure	2
13/MAY/2001 - 27/APR/2015	Evaporation	0
12/MAY/1998 - 17/FEB/2021	Rainfall	8
15/JAN/1996 - 19/JUL/1998	Solar Radiation	0
15/JAN/1996 - 15/JAN/1996	Solar Radiation (Direct)	0
09/MAR/1999 - 17/FEB/2021	Wind Speed	4
09/MAR/1999 - 17/FEB/2021	Air Temperature	0

Station Detail Changes

09/MAY/2006 CLASSIFICATION AWS Funding - Aviation Funded Assets (AVAF)
12/OCT/2020 CLASSIFICATION AWS Priority 2 - Important (SLP2-AWS)
01/JUL/2011 CLASSIFICATION Australian Climate Observations Reference Network - Surface Air Temperature (ACORN-SAT)
26/JUN/2002 CLASSIFICATION CLIMAT Stations (CLC)

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

05/MAR/2015 CLASSIFICATION Category C (TAF C)
09/MAY/2006 CLASSIFICATION Category D (TAF D) ENDED 05-03-2015
06/JUL/2023 CLASSIFICATION Class 2 Precip (C2-PRECIP)
06/JUL/2023 CLASSIFICATION Class 2 Wind (C2-WIND)
06/JUL/2023 CLASSIFICATION Class 3 Temp & RH (C3-TEMP-RH)
10/JAN/2011 CLASSIFICATION Critical (ASOSCRIT)
03/JUN/1998 CLASSIFICATION Fielden (FFD)
01/MAY/1997 CLASSIFICATION GCOS Surface Network (GSN)
01/JUL/2018 CLASSIFICATION HQ EVAPORATION (HQEVAP)
01/JUL/2018 CLASSIFICATION HQ RAINFALL (HQRAIN)
01/JUL/1998 CLASSIFICATION Information and Observations (MIO) ENDED 01-12-2012
30/AUG/2021 CLASSIFICATION Mastered in EAMS (EAMS)
21/MAR/2016 CLASSIFICATION NOT Processed by ASOS (NPBA)
01/MAY/1989 CLASSIFICATION National Benchmark Network for Agrometeorology (NBNA)
01/JUL/2017 CLASSIFICATION Observing Operations Hub - Darwin (OOH-D)
01/SEP/1992 CLASSIFICATION Reference Climate Stations (RCS) ENDED 30-06-2011
14/FEB/1997 CLASSIFICATION Regional Basic Synoptic Network (RBSN)
10/JUN/2014 CLASSIFICATION Standard Aviation or Defence (AVSTD) ENDED 16-10-2020
01/JUL/1998 CLASSIFICATION Upper Wind only (UW)
15/SEP/2018 OBJECT Document/CEILOMETER STATUS
17/FEB/2021 OBJECT Document/CEILOMETER STATUS
05/JUN/2013 OBJECT Document/CEILOMETER STATUS
12/JUN/2014 OBJECT Document/CEILOMETER STATUS
10/AUG/2016 OBJECT Document/CEILOMETER STATUS
10/APR/2018 OBJECT Document/CEILOMETER STATUS
18/FEB/2014 OBJECT Document/CEILOMETER STATUS
27/MAR/2013 OBJECT Document/CEILOMETER STATUS
28/FEB/2012 OBJECT Document/CEILOMETER STATUS
09/AUG/2020 OBJECT Document/CEILOMETER STATUS
02/SEP/2019 OBJECT Document/CEILOMETER STATUS
15/JUL/2015 OBJECT Document/CEILOMETER STATUS
10/AUG/2016 OBJECT Document/SKYLINE DATA
17/NOV/2011 OBJECT Document/SKYLINE DATA
13/MAY/2001 OBJECT Document/SKYLINE DATA
18/JUN/2006 OBJECT Document/SKYLINE DATA
28/AUG/1996 OBJECT Document/SKYLINE DATA
10/AUG/2016 OBJECT Document/SKYLINE DATA - ANEMOMETER
17/NOV/2011 OBJECT Document/SKYLINE DATA - ANEMOMETER
18/JUN/2006 OBJECT Document/SKYLINE DATA - ANEMOMETER
14/AUG/2005 OBJECT Document/SKYLINE DATA - RADAR
19/SEP/1999 OBJECT Document/SKYLINE DATA - RADAR
20/NOV/2004 OBJECT Document/SKYLINE DATA - RADAR
09/APR/2019 OBJECT Document/Tennant Mast inspection 190409

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History (continued)

Station Detail Changes(Continued)

17/FEB/2021 OBJECT Document/VISIBILITY METER STATUS
05/JUN/2013 OBJECT Document/VISIBILITY METER STATUS
12/JUN/2014 OBJECT Document/VISIBILITY METER STATUS
10/AUG/2016 OBJECT Document/VISIBILITY METER STATUS
10/APR/2018 OBJECT Document/VISIBILITY METER STATUS
18/FEB/2014 OBJECT Document/VISIBILITY METER STATUS
27/MAR/2013 OBJECT Document/VISIBILITY METER STATUS
28/FEB/2012 OBJECT Document/VISIBILITY METER STATUS
09/AUG/2020 OBJECT Document/VISIBILITY METER STATUS
02/SEP/2019 OBJECT Document/VISIBILITY METER STATUS
15/JUL/2015 OBJECT Document/VISIBILITY METER STATUS
07/MAY/2016 OBJECT Document/tennant creek AWS error log may 2016
14/FEB/2011 OBJECT Document/tennant profiler
01/JAN/1969 STATION - (nondb seeding) Opened
01/JAN/1969 STATION - (nondb seeding) aero_ht Changed to 376.7
01/JAN/1969 STATION - (nondb seeding) bar_ht Changed to 377.1
01/JAN/1969 STATION - (nondb seeding) bar_ht_deriv Changed to MAP 1:250 000
01/JAN/1969 STATION - (nondb seeding) stn_ht Changed to 375.7
01/JAN/1969 STATION - (nondb seeding) stn_ht_deriv Changed to MAP 1:250 000
01/JAN/1969 STATION - (nondb seeding) wmo_num Changed to 94238
01/JAN/1969 STATION aviation_id Changed to YTNK
01/JAN/1969 STATION latitude Changed to -19.6423
01/JAN/1969 STATION latlon_deriv Changed to GPS
01/JAN/1969 STATION latlon_error Changed to 3
01/JAN/1969 STATION longitude Changed to 134.1833
01/JAN/1969 STATION lu_0_100m Changed to Airport
12/MAY/1998 STATION lu_0_100m Changed to Airport
01/JAN/1969 STATION lu_100m_1km Changed to Airport
12/MAY/1998 STATION lu_100m_1km Changed to Airport
01/JAN/1969 STATION lu_1km_10km Changed to Small town < 1000 population
12/MAY/1998 STATION lu_1km_10km Changed to Town 1000 to 10,000
01/JAN/1969 STATION name Changed to TENNANT CREEK AIRPORT
01/JAN/1969 STATION soil_type Changed to red soil
12/MAY/1998 STATION soil_type Changed to red soil
01/JAN/1969 STATION surface_type Changed to bare ground
19/SEP/1999 STATION surface_type Changed to bare ground
05/JUN/2013 STATION surface_type Changed to partly covered by grass
12/MAY/1998 STATION surface_type Changed to rock

System Changes

01/JUL/1969 SYSTEM Infrastructure Commenced
24/JUN/2006 SYSTEM Radiation Ceased
15/JAN/1996 SYSTEM Radiation Commenced
15/SEP/2018 SYSTEM Rainfall Intensity Ceased

Extended Climatological Station Metadata
All History

Station:	TENNANT CREEK AIRPORT			**Location:**	TENNANT CREEK AIRPORT			**State:**	NT
Bureau No.:	015135	**WMO No.:**	94238	**Aviation ID:**	YTNK	**Opened:**	01 Jan 1969	**Current Status:**	Still open
Latitude:	-19.6423	**Longitude:**	134.1833	**Elevation:**	375.7 m	**Barometer Elev:**	377.1 m	**Metadata compiled:**	28 JUL 2025

Station Equipment History (continued)

System Changes(Continued)

01/JAN/1969 SYSTEM Rainfall Intensity Commenced
04/DEC/2012 SYSTEM Reference Standards Ceased
01/JAN/2007 SYSTEM Reference Standards Commenced
01/JAN/1969 SYSTEM Surface Observations Commenced
01/JAN/1973 SYSTEM Upper Air Commenced
01/JUL/2015 SYSTEM WeatherWatch Ceased
29/SEP/2005 SYSTEM WeatherWatch Commenced

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 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.

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 Loactions
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).

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)

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

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 quantative 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

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