

Identification_Information:

Citation:

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Originator: AFCCC - Air Force Combat Climatology Center (AFWA)

Publication_Date: 20060915

Title: Historical Surface weather observation database.

Geospatial_Data_Presentation_Form: Digital database

Description:

Abstract: The Historical surface weather observation database contains worldwide observations (synoptic, airways, METAR, synoptic ship) for approximately 13,000 sites. All weather elements transmitted are retained; in some cases computed/derived values are incorporated into the record.

Purpose: Support DoD projects.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 19010101

Ending_Date: Present

Currentness_Reference: From the data

Status:

Progress: In work

Maintenance_and_Update_Frequency: Daily

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -180.0

East_Bounding_Coordinate: 180.0

North_Bounding_Coordinate: 90.0

South_Bounding_Coordinate: -90.0

Keywords:

Theme:

Theme_Keyword_Thesaurus: MEL Scientific-Engineering Field Thesaurus

Theme_Keyword: meteorology

Place:

Place_Keyword_Thesaurus: MEL Location Thesaurus

Place_Keyword: Global

Stratum:

Stratum_Keyword_Thesaurus: MEL Environmental Domain Thesaurus

Stratum_Keyword: Air/Land Interface

Stratum_Keyword: Air/Sea Interface

Temporal:

Temporal_Keyword_Thesaurus: MEL Temporal Coverage Thesaurus

Temporal_Keyword: daily

Access_Constraints: Access through AFCCC is limited to DoD agencies and their contractors. All other requests are filled through the National Climatic Data Center in Asheville, N.C.

Use_Constraints: None

Data_Set_Credit: AFCCC

Security_Information:

Security_Classification_System: DoD

Security_Classification: Unclassified

Security_Handling_Description: None

Data_Quality_Information:

Logical_Consistency_Report: Automated checks are applied to the data during the ingest process before the data are written off to the archive (DATSAV3) flat file format and then loaded into the Surface Historical data base. There are three types of quality control applied to the data. The initial is validation of individual observations and is applied as the data is received. The second incorporates synoptic decode algorithms and various other functions as described below and is also run hourly as data are received. The third consists of continuity checks over time and consequently is run once a day. The initial Quality Control validates the data against the master station catalog, checks to see if the station is in our catalog and adds latitude and longitude where missing (if it is listed in the master station catalog). The second phase of the QC (QC_RAW) incorporates a variety of functions, the largest portion of which is decoding the additive portion of the synoptic observation. Its other roles are merging different types (i.e. METAR, SYNOPTIC) of observations that come in for the same station for the same time, removing duplicate observations, distinguishing record observations from special observations, rounding record observation times to the nearest whole hour where applicable, and calculating/correcting ceilings. The daily checks validate observations in three ways. It performs gross limit checks on specific elements within the observation. It performs intra-observation checks to see if elements within the same observation are consistent. It also performs inter-observation checks for consistency and continuity between different observations from the same station. A detailed description of the

DAILY ALGORITHMS

27 Nov 95 (updated Dec 2001)

WIND ALGORITHMS

1. Wind direction: If wind_dir not = 0-360 or 990 or 999, then set = missing.
2. Wind direction: If wind_dir not = 0 and wind_spd = 0 and wind_gust = 0 or 9999, then set wind_dir = 0.
3. Wind speed: If wind_spd not 0-90.0 m/s or 9999, then set = missing.
4. Wind speed: If GE 25 m/s higher than previous wind speed (up to 6 hours before) or if GE 40 m/s, then flag as suspect. Then set = missing if the next wind speed (not more than 3 hours later) is at least 25 m/s less in speed. Exceptions: don't perform this algorithm for block 89; for 999999 stns only check for GE 40 m/s and leave flagged as suspect if it is.
5. Wind gust: If wind_gust not 0-110.0 m/s or 9999, then set = missing.

6. Wind gust: If wind_gust reported and wind_spd is missing (or was set missing by algorithm), then set wind_gust = missing.
7. Wind gust: If GE 25 m/s higher than previous wind gust (up to 6 hours before) or if GE 40 m/s, then flag as suspect and check wind_spd. If wind_spd at least 25 m/s less in speed than wind_gust, then set wind_gust = missing. Exceptions: don't perform this algorithm for block 89; for 999999 stns only check for GE 40 m/s and compare to wind_spd as stated.
8. Wind gust: If wind_gust < wind_spd, then set wind_gust = missing.

CLOUD ALGORITHMS

9. Ceiling: If cld_ceiling not 000-099 or 999, then set = missing.
10. Ceiling: For rpt_typ = 2, 4, 5, 6, 7, 11, or 12: If ceiling = 89 or 999, cld_cvr GE 5, and a VG16 exists with cld_lyr_amt(1-10) = 7-9 and cld_lyr_chr(1-10) not = 3, then set ceiling = cld_lyr_hgt(1-10). If VG16 exists with more than one value for cld_lyr_amt(1-10) = 7-9 and cld_lyr_chr(1-10) not = 3, then use the one with the lowest value for cld_lyr_hgt(1-10).
11. Ceiling: For rpt_typ = 2, 4, 5, 6, 7, 11, or 12: If ceiling = 0-88, cld_cvr LT 5, and no VG16 exists with cld_lyr_amt(1-10) = 7-10, then set ceiling = missing.
12. Cloud Flag: If cld_ceiling_meas not 0-3, then set = missing.
13. Sky Cover: If cld_cvr not 00-10 or 99, then set = missing.
14. Sky Cover: If cld_cvr not = 0 and cld_lo_cvr = 0, cloud_lo_typ = 0, cld_lo_hgt = 99, cloud_mid_typ = 0, cld_hi_typ = 0, and no VG16 exists with 1st field = 1-9, then set cld_cvr = 0.
15. Sky Cover: If cld_cvr = 0, then set = missing if a VG16 exists with 1st field = 1-9 or if 2 of the following conditions are met: cld_lo_cvr = 1-9, cloud_lo_typ = 1-9, cld_lo_hgt = 90-98, cloud_mid_typ = 1-9, cld_hi_typ = 1-9.
16. Sky Cover: If cld_cvr = 0-7, then set = missing if any of the following sets of conditions are met:
 - Any cld_lyr_amt(1-10) = 8
 - Any cld_lyr_amt(1-10) = 1-8, and cld_cvr = 0
 - Any cld_lyr_amt(1-10) = 7, and cld_cvr = 1-5
 - Any cld_lyr_amt(1-10) = 1-8 and is greater than cld_cvr, and cld_ceiling_meas not = 2-3,
 - Any cld_lyr_amt(1-10) = 1-8 and is greater than cld_cvr, and cld_ceiling_meas = 2-3
17. Sky Cover: If = 0-8, then set = 9 if any cld_lyr_amt(1-10) = 9, and no cld_lyr_amt(1-10) = 1-8.
18. Total CL or CM: If cld_lo_cvr not 00-09 or 99, then set = missing.
19. Total CL or CM : If cld_lo_cvr = 0, then set = missing if any of the following sets of conditions are met:
 - cloud_lo_typ = 1-9 and cloud_mid_typ = 1-9,
 - cloud_lo_typ = 1-9 and cld_lo_hgt = 90-98,
 - cld_lo_hgt = 90-98 and cloud_mid_typ = 1-9,

cloud_lo_typ = 1-9, VG16 exists with cld_lyr_amt(1-10) = 1-8 and cld_lyr_hgt(1-10) = 0-77 or 90-98
 cloud_mid_typ = 1-9, VG16 exists with cld_lyr_amt(1-10) = 1-8 and cld_lyr_hgt(1-10) = 0-77 or 90-98
 VG16 exists with cld_lyr_amt(1-10) = 1-8, cld_lyr_chr(1-10) = 1-2, and cld_lyr_hgt(1-10) = 0-77 or 90-99
 VG16 exists with cld_lyr_amt(1-10) = 1-8 and cld_lyr_hgt(1-10) = 0-59 or 90-98
 20. Total CL or CM: If cld_lo_cvr = 1-9, and cloud_lo_typ and cloud_mid_typ both = 0, and cld_lo_hgt = 99 or 999, then set cld_lo_cvr = missing. If these conditions are met plus there is no cld_lyr_hgt(1-10) of 1-2 or cld_lyr_hgt(1-10) of 0-77 or 90-99, then set cld_lo_cvr = 0.
 21. Total CL or CM: If cld_lo_cvr greater than cld_cvr, then set = missing if cld_ceiling_meas not = 2-3 and no cld_lyr_amt(1-10) is greater than cld_cvr.
 22. Total CL or CM: If cld_lo_cvr = 9, then set = missing if any of the following sets of conditions are met:
 cld_cvr = 0-8, no cld_lyr_amt(1-10) = 9, no cld_lyr_amt(1-10) = 9
 cld_cvr = 0-8 or missing, any cld_lyr_amt(1-10) = 0-8, no cld_lyr_amt(1-10) = 9
 cld_cvr = 0-8 or missing, no cld_lyr_amt(1-10) = 9, any cld_lyr_amt(1-10) = 0-8
 23. Total CL or CM: If cld_lo_cvr = 0-8, then set = 9 if any cld_lyr_amt(1-10) = 9 with the corresponding (in same word) cld_lyr_hgt(1-10) = 0-99, and no cld_lyr_amt(1-10) = 1-8.
 24. Total CL or CM: Set cld_lo_cvr = missing if not = cld_cvr (cld_cvr not missing) and all of the following conditions are met:
 cloud_lo_typ = 0
 cld_hi_typ = 0
 No cld_lyr_hgt(1-10) = 1 or 3
 cld_ceiling_meas not = 2 or 3
 25. Total CL or CM: Set cld_lo_cvr = missing if not = cld_cvr (cld_cvr not missing) and all of the following conditions are met:
 cloud_mid_typ = 0
 cld_hi_typ = 0
 No cld_lyr_hgt(1-10) = 2 or 3
 cld_ceiling_meas not = 2 or 3
 26. Total CL or CM: Set cld_lo_cvr = missing if = 8 and all of the following conditions are met:
 cld_cvr = 8
 cloud_lo_typ = 1-9
 cloud_mid_typ and/or cld_hi_typ = 1-9
 27. Low Cloud Type: If cloud_lo_typ not 00-09 or 99, then set = missing.
 28. Low Cloud Type: If cloud_lo_typ = 1-9, then set = missing if 2 of the following conditions are met: cld_cvr = 0, cld_lo_cvr = 0, cld_lo_hgt = 99. If all 3 of these conditions are met plus there is no cld_lyr_hgt(1-10) of 1 or cld_lyr_hgt(1-10) of 0-57 or 90-98, then set cloud_lo_typ = 0.
 29. Low Cloud Type: If cloud_lo_typ = 0, then set = missing if:

a VG16 exists with cld_lyr_amt(1-10) = 1-9, cld_lyr_chr(1-10) = 1, and
 cld_lyr_hgt(1-10) = 0-57 or 90-98, or
 a VG16 exists with cld_lyr_amt(1-10) = 1-9 and cld_lyr_hgt(1-10) = 0-56 or 90-96
 30. Lowest Cloud Height: If cld_lo_hgt not 000-099 or 999, then set = missing.
 31. Lowest Cloud Height: If cld_lo_hgt= 90-98, then set = missing if:
 cld_cvr = 0, cld_lo_cvr = 0 or missing, cloud_lo_typ = 0 or missing, cloud_mid_typ
 = 0 or missing, or
 cld_lo_cvr = 0, cloud_lo_typ = 0, cloud_mid_typ = 0
 If either of these conditions are met plus there is no cld_lyr_hgt(1-10) of 0-58 or
 90-98, then set cld_lo_hgt = 99.
 32. Lowest Cloud Height: If cld_lo_hgt = 99, then set = missing if any of the following
 sets of conditions are met:
 cld_lo_cvr and cloud_lo_typ both = 1-9, or
 cld_cvr and cld_lo_cvr both = 9, or
 cld_lyr_amt(1-10) = 1-9 and cld_lyr_hgt(1-10) = 0-57 or 90-98, or
 cld_lyr_amt(1-10) = 1-9 and cld_lyr_hgt(1-10) = 0-57 or 90-98
 33. Middle Cloud Type: If cloud_mid_typ not 00-09 or 99, then set = missing.
 34. Middle Cloud Type: If cloud_mid_typ = 1-9, then set = missing if cld_cvr = 0 and
 cld_lo_cvr = 0. If these conditions are met plus cld_lo_hgt = 99 or 999, and there is no cld_lyr_hgt(1-10)
 of 2 or cld_lyr_hgt(1-10) of 56-77 or 97-99, then set cloud_mid_typ = 0.
 35. Middle Cloud Type: If cloud_mid_typ = 0, then set = missing if:
 a VG16 exists with cld_lyr_amt(1-10) = 1-9, cld_lyr_chr(1-10) = 2, and
 cld_lyr_hgt(1-10) = 56-77 or 97-99, or a VG16 exists with cld_lyr_amt(1-10) = 1-9 and cld_lyr_hgt(1-10) =
 57-59
 36. High Cloud Type: If cld_hi_typ not 00-09 or 99, then set = missing.
 37. High Cloud Type: If cld_hi_typ = 1-9, then set = missing if:
 cld_cvr = 0 and cld_lo_hgt = 99, or
 cld_cvr and cld_lo_cvr = 9
 If condition 1 is met plus there is no cld_lyr_chr(1-10) of 3 or cld_lyr_hgt(1-10)
 of 60-89 or 99, then set cld_hi_typ = 0.
 38. High Cloud Type: If cld_hi_typ= 0, then set = missing if:
 a VG16 exists with cld_lyr_amt(1-10) = 1-9, cld_lyr_chr(1-10) = 3, and
 cld_lyr_hgt(1-10) = 60-89 or 99, or
 a VG16 exists with cld_lyr_amt(1-10) = 1-9 and cld_lyr_hgt(1-10) = 77-89
 (Algorithm numbers 39 - 42 not used)

TEMPERATURE ALGORITHMS

43. Temperature: If temp_air not 180.0 to 335.0 K or 9999, then set = missing.
 44. Temperature: Flag as suspect based on following table:
 Temperature change Time period of change (closest temp)
 GE 8K LE 1 hour

GE 11K	LE 3 hours
GE 17K	LE 6 hours

For example:

Date/Time	Temperature	Flag?
1500	280.0	N/A
1503	291.0	YES
1503	290.0	NO

Then, set suspect = missing if next temp (not more than 6 hrs later) indicates a temp change in the opposite direction by amount shown in above table. If it does not, then leave it flagged as suspect only if the initial change is GE 12K, 16K, or 25K for 1, 3, & 6 hrs, respectively. See examples below:

Day/Hr	Temp	Flag as suspect?
1500	280.0	N/A
1503	291.0	Initially YES, but then set as MISSING since closest temp after (in this case, 6hrs after) is GE17K lower
1509	274.0	N/A

Day/Hr	Temp	Flag as suspect?
1500	280.0	N/A
1503	291.0	NO, because initial change (in this example, 03Z minus 00Z) is NOT GE 16K for 3hr period. NOT MISSING since closest temp after is NOT GE 17K lower.
1509	275.0	N/A

Day/Hr	Temp	Flag as suspect?
1500	280.0	N/A
1503	291.0	YES just send to suspect file since closest after is 9 hrs later
1512	270.0	N/A

45. Dew point: If temp_dewpt not 175.0 to 310.0 K or 9999, then set = missing.
46. Dew point: Identical to 44 except for dew point instead of dry bulb.
47. Dew point: If temp_dewpt > temp_air, then set = missing.

PRESSURE ALGORITHMS

48. Sea level pressure: If press_slp not 860.0 to 1090.0 MB or 99999, then set = missing.
49. Altimeter setting: If press_altstg not 25.50 to 32.20 IN or 9999, then set = missing.
50. Station pressure: If press_stn not 450.0 to 1090.0 MB or 99999, then set = missing.
51. Station pressure: Flag as suspect based on following table:

Pressure change	Time period of change (closest press)
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GE 4MB	LE 1 hour
GE 6MB	LE 3 hours
GE 8MB	LE 6 hours

For example-

Day/Hr	Pressure	Flag as suspect?
1500	1010.0	N/A
1503	1016.0	YES
1503	1015.0	NO

Then, set suspect = missing if next press (not more than 6 hrs later) indicates a press change in the opposite direction by amount shown in above table. If it does not, then leave it flagged as suspect. If the next press shows no change or a press change in the same direction, then drop the suspect flag if the initial change (caused value to be flagged) is less than 12 MB. See examples below:

Day/Hr	Pressure	Flag as suspect?
1500	1010.0	N/A
1503	1016.0	YES, but then set = MISSING since closest press after (in this case, 6 hrs after) is GE 8MB lower
1509	1008.0	N/A

Day/Hr	Pressure	Flag as suspect?
1500	1010.0	N/A
1503	1016.0	YES send to suspect file (If 1509 value were 1017.0, then suspect flag should be dropped since initial change is 6MB and the next value shows change in same direction)
1509	1010.0	N/A

Day/Hr	Pressure	Flag as suspect?
1500	1010.0	N/A
1503	1016.0	YES- send to suspect file since closest after is 9 hrs later
1512	1008.0	N/A

52. Altimeter setting: Flag press_altstg as suspect based on following table:

Altimeter change	Time period of change (closest alt)
GE .12IN	LE 1 hour
GE .18IN	LE 3 hours
GE .24IN	LE 6 hours

For example:

Day/Hr	Altimeter	Flag as suspect?
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1500	29.80	N/A
1503	29.98	YES
1503	29.97	NO

Then, set suspect = missing if next alt (not more than 6 hrs later) indicates an alt change in the opposite direction by amount shown in above table. If it does not, then leave it flagged as suspect. If the next alt shows no change or a change in the same direction, then drop the suspect flag if the initial change (caused value to be flagged) is less than .35 IN. See examples below:

Day/Hr Altimeter Flag as suspect?
 1500 29.80 N/A
 1503 29.98 YES then set = MISSING since closest alt after (in this case, 6
 hrs after) is GE .24IN lower
 1509 29.74 N/A

Day/Hr Altimeter Flag as suspect?
 1500 29.80 N/A
 1503 29.98 YES- send to suspect file(if 1509 value were 29.98, then suspect
 flag should be dropped since initial change is18 IN and the next value shows no change)
 1509 29.75 N/A
 Day/Hr Altimeter Flag as suspect?
 1500 29.80 N/A
 1503 29.98 YES- send to suspect file since closest after is 9 hrs later
 1512 29.70 N/A

53. Sea level pressure: Identical to 51 except for SLP instead of STP.
54. Station pressure: If STP missing, then attempt to fill using equation:

$$STP = \{[(ALT/100)^{(1/n)} - (ELV*4.3061751x10^{*-5})]^{**n}\} * 338.6389 \quad n = 5.2561.$$
55. Station pressure: If still missing, then attempt to fill using equation:

$$STP = 10^{**\{\log(SLP)-1/[(DBT/10)/(.01478*ELV)+.202977]\}}.$$

 Exception If ELV = 0, then STP = SLP.)
56. Altimeter Setting: If ALT missing, then attempt to fill using equation:

$$ALT = \{[(STP/10)^{(1/n)} + (ELV*8.4165087x10^{*-5})]^{**n}\} * 2.953n = 5.2561.$$
57. Sea level pressure: If SLP missing, then attempt to fill using equation:

$$SLP = 10^{**\{1/[(DBT/10)/(.01478*ELV)+.202977]+\log(STP)\}}.$$

 Exception If ELV = 0, then SLP = STP. Also, do not perform calculation if
 ELV is GE 500 meters.
58. Station pressure: Repeat algorithm 51.
59. Altimeter setting: Repeat algorithm 52.
60. Sea level pressure: Repeat algorithm 53.
61. Pressure tendency: If press_tend not 0-9, then set = missing.
62. Pressure tendency: If not = 0, 4, or 5 and press_3chg = 000, then do the following:

X = SLP(current)-SLP(3 hrs ago)
If one or both SLPs unavailable or suspect, then use STP. If one or both STPs Also unavailable or suspect, then use ALT (do subtraction and then convert to MB to tenths by multiplying by 33.86389). If one or both ALTs also unavailable or suspect, then X cannot be calculated. Then, if X has been calculated by one of these 3 methods, use X as follows:

If X = 0, then set press_tend = 4 and leave press_3chg as is. If X not = 0, then set press_3chg = ABS(X) and check press_tend as follows:

If the value of X is: Then the press_tend should be:
>0 0, 1, 2, or 3
<0 5, 6, 7, or 8

If press_tend does not meet this check, then set it = 2 if X > 0 and 7 if X < 0; if it does meet this check, then leave it as is.

If X was not calculated, or if stn = 999999, then set press_tend and press_3chg = missing.

63. 3 Hr Pressure change (press_3chg): If not 000 to 50.0 MB or 999, then compute X as shown in 62 above and set press_3chg = ABS(X). Then, check press_tend as follows:

If the value of X is Then the press_tend should be
=0 0, 4, or 5
>0 0, 1, 2, or 3
<0 5, 6, 7, or 8

If press_tend does not meet this check, then set it = 2 if X > 0, 4 if X = 0, and 7 if X < 0; if it does meet this check, then leave it as is.

If X was not calculated, or if stn = 999999, then set press_tend and press_3chg = missing.

64. 3 Hr Pressure change: If not = 000 and press_tend = 4, then compute X as shown in 62 above. If X = 0, then set press_3chg = 000 and leave press_tend as is. If X not = 0, then set press_tend = 2 if X > 0 and 7 if X < 0, and set press_3chg = ABS(X). If X was not calculated, or if stn = 999999, then set press_tend and press_3chg = missing.

65. 3 Hr Pressure change: If GE 5.0 MB, then flag as suspect and compute X as in 62-- suspects can be used in calculations if necessary-- therefore, first follow priorities shown in 62 to attempt to calculate X. If X cannot be calculated using non-suspect values, then use suspects as follows ("suspect" or "missing" indicates, for the base ob and/or for the ob 3 hrs before, that particular element is missing or suspect):

If SLP is	And STP is	And ALT is	Then Use
Suspect	missing	missing	SLP
Suspect	suspect	Missing	SLP
Suspect	Suspect	Suspect	SLP
Missing	Suspect	Missing	SLP

missing	suspect	suspect	SLP
missing	missing	suspect	ALT

Set Y = +press_3chg if press_tend = 0, 1, 2, 3, or 4; or Y = -press_3chg if press_tend = 5, 6, 7, or 8.

Compute Z = ABS(X - Y). Then do the following:

If	Then
Z GE 2.0 MB and at least 1 value used to compute X was suspect	Leave press_3chg flagged as suspect and send to suspect file
Z GE 2.0 MB and no values used to compute X were suspect	Set press_3chg = ABS(X) and checkpress_tend as follows:
Z LT 2.0 MB	Remove suspect flag from press_3chg-do not send to suspect file

If Value of X press_tend should be

=0	0, 4, or 5
>0	0, 1, 2, or 3
<0	5, 6, 7, or 8

If press_tend does not meet this check, then set it according to the following:

If	Then
Value of X	press_tend should be
=0	4
>0	2
<0	7

If press_tend does meet this check, then leave it as is.

If X was not calculated, then leave press_tend and press_3chg as they are (press_3chg flagged as suspect) and send to suspect file. Don't perform this algorithm for 999999 stns.

66. 24 Hr Pressure change press_24chg: If not -80.0 to +80.0 MB or 9999, then set = missing.

VISIBILITY ALGORITHMS

67. Visibility: If vsby not 000000-160000 or 999999, then set = missing.
68. Visibility: For blocks 70, 72 and 74- If visibility GE 12000 (but not missing), and temp_air minus temp_dewpt LT 6.0K (temp_air and temp_dewpt not missing), and present weather (wx_pres1, wx_pres2, wx_pres3, or wx_pres4) = 42-49, then set vsby = missing.

69. Visibility: For blocks other than 70, 72 and 74: If visibility GE 15000 (but not missing), and temp_air minus temp_dewpt LT 6.0K (temp_air and temp_dewpt not missing), and present weather = 42-49, then set vsby = missing.

70. Visibility: If LT 8000, then check for the following conditions:

temp_air minus temp_dewpt = GE 6.0K (temp_air and temp_dewpt not missing)

Present Weather wx_pres(1-7) or auto = 0 (that is, at least 1 PW field = 0 with all other PW fields missing)

cld_cvr not = 9-10

cld_lo_cvr not = 9

There is no cld_lyr_amt(1-10) = 9

If all of these conditions are met, then search for a nearby ob to that stn with vsby not missing and present weather = 0 (not more than 1 hr away from base ob with priority to ob before if 2 equidistant obs are found). If such an ob is found, then do one of the following:

If the nearby ob has an vsby GE 8000, then set the base ob's vsby = the nearby ob's vsby).

If the nearby ob has an vsby LT 8000, then exit this algorithm without making any changes to the data.

If such an ob is not found, then set vsby = missing. Also, for 999999 stns, simply set vsby = missing without attempting to search for another ob. One exception for this algorithm is if wx_pres2 is the only PW field = 0 and the ob type rpt_typ = 3 or 8, then exit the algorithm without making any changes to the data.

71. Visibility: If GE 5000 (but not missing), then set = missing if all of the following conditions are met:

Any present weather field (wx_pres1-wx_pres4 or wx_pres(5-7)) = 55 or 75

cld_cvr = 8-10 or missing

cld_lo_cvr = 8-9 or missing

wx_past1 = 5-9 or missing

wx_past2 = 5-9 or missing

If any VG16 words exist, then 1 of them has a cld_lyr_amt(1-10) = 8-10

If any VG16 words exist, then 1 of them has a cld_lyr_amt(1-10) = 8-10

Of requirements 2-7 above, 2 of the 6 must be met by the element not being missing.

72. Visibility: If GE 15000 (but not missing), then set = missing if all of the following conditions are met:

Any present weather field (wx_pres1-wx_pres4 or wx_pres(5-7)) = 65 or 82

cld_cvr = 8-10 or missing

cld_lo_cvr = 8-9 or missing

wx_past1 = 5-9 or missing

wx_past2 = 5-9 or missing

If any VG16 words exist, then 1 of them has a cld_lyr_amt(1-10) = 8-10

If any VG16 words exist, then 1 of them has a cld_lyr_amt(1-10) = 8-10

Of requirements 2-7 above, 2 of the 6 must be met by the element not being missing.

73. CV: If vsby_vrbl not = 0, 1, or 9, then set = missing.

74. CV: If vsby_vrbl = 0 or 1 and vsby = 999999, then set = missing.

WEATHER ALGORITHMS

75. Present Weather: If wx_pres(1-7) or auto not = 00-99 or 999, then set = missing.

76. Present Weather: If wx_pres2 = 0, then set = missing (for ob types rpt_typ of 3 or 8 only).

77. Present Weather: This algorithm is for field wx_pres2 if the ob type rpt_typ is any other than 3 and 8, and for fields wx_pres3-wx_pres4 and wx_pres(5-7) for all ob types. Set present weather = missing if it = any of these values:

1-3	39-44	62	78
8-10	46-49	64	82-84
12-16	52	68-69	90-94
18	54	72	98-99
20-37	58-59	74	

78. Present Weather: If cld_cvr and cld_lo_cvr = 0 and present weather = 50-75 or 77-99, then set that PW field = missing.

79. Present Weather: If wx_pres(1-7) or auto = 50-55, 58-65, or 80-82, and temp_air is LE 270.2, then set that PW field = missing.

80. Present Weather: If wx_pres(1-7) or auto = 76 or 78 and temp_air GT 273.2 (but not missing), then set that PW field = missing.

81. Present Weather: If wx_pres(1-7) or auto = 48 or 49 and temp_air GE 275.2 (but not missing), then set that PW field = missing.

82. Present Weather: If wx_pres(1-7) or auto = 56-57 or 66-67 and temp_air GE 277.2 (but not missing), then set that PW field = missing.

83. Present Weather: If wx_pres(1-7) or auto = 36-39, 68-75, or 77 and temp_air GE 279.2 (but not missing), then set that PW field = missing.

84. Present Weather: If wx_pres(1-7) or auto = 79 or 83-86 and temp_air GE 281.2 (but not missing), then set that PW field = missing.

85. Present Weather: If wx_pres(1-7) or auto = 24, 56-57, 66-67, 83-84, 89-92, 96, or 98-99, and temp_air LE 233.2, then set that PW field = missing.

86. Present Weather: If wx_pres(1-7) or auto = 42-49, vsby GE 15000 (but not missing), and temp_air minus temp_dewpt GE 10.0K (temp_air and temp_dewpt not missing), then set that PW field = missing.

87. Present Weather: If wx_pres(1-7) or auto = 55 or 75, then set that PW field = missing if all of the following conditions are met:

vsby GE 5000 (but not missing)
cld_cvr not = 7-9
cld_lo_cvr not = 7-9
wx_past1 and wx_past2 not = 5-9

There is no cld_lyr_amt(1-10) = 7-9

88. Present Weather: If wx_pres(1-7) or auto = 65 or 82, then set that PW field = missing if all of the following conditions are met:

vsby GE 15000 (but not missing)
cld_cvr not = 7-9
cld_lo_cvr not = 7-9
wx_past1 and wx_past2 not = 5-9
There is no cld_lyr_amt(1-10) = 7-9

89. Present Weather: If wx_pres(1-7) or auto = 10-12, 40-47, 50-55, 58-59, 60-65, or 87-88, then set that PW field = missing if all of the following conditions are met:

vsby GE 20000 or missing
wx_past1 and wx_past2 not = 4-9
temp_air GE 311.0 (but not missing)

90. Present Weather: If wx_pres1 (of any ob type) or wx_pres2 (ob types 3 and 8 only) = 43, 45, 47, or 49, then subtract 1 from that PW value if 1 of the following sets of conditions are met:

cld_cvr = 0-8, cld_lo_cvr not = 9-10, no cld_lyr_amt(1-10) = 9-10, and no cld_lyr_amt(1-10) = 9-10
cld_lo_cvr = 0-8, cld_cvr not = 9-10, no cld_lyr_amt(1-10) = 9-10, and no cld_lyr_amt(1-10) = 9-10
At least 1 cld_lyr_amt(1-10) value = 0-8, any and all existing cld_lyr_amt(1-10) and cld_lyr_amt(1-10) values do not = 9-10, cld_cvr not = 9-10, and cld_lo_cvr not = 9-10
At least 1 cld_lyr_amt(1-10) value = 0-8, any and all existing cld_lyr_amt(1-10) and cld_lyr_amt(1-10) values do not = 9-10, cld_cvr not = 9-10, and cld_lo_cvr not = 9-10

91. Present Weather: If wx_pres(1-7) or auto = 55, 65, 75, or 82, then set that PW field = missing if all of the following conditions are met:

cld_cvr LE 5
cld_lo_cvr LE 5
No cld_lyr_amt(1-10) = 6-9
No cld_lyr_amt(1-10) = 6-9

92. Present Weather: If wx_pres(1-7) or auto = 21-29, then set that PW field = missing if 1 of the following sets of conditions are met (temp_air in this case refers to all temperature reports from 1 hour prior to and then up to and including the ob being checked; e.g., temp_air LE 260.2 indicates all temperatures over the past hour must be less than or equal to 260.2).

For 999999 stns, only check the current temperature.

PW = 21 or 25 and temp_air LE 260.2
PW = 27 or 29 and temp_air LE 233.2
PW = 22 and temp_air GE 289.2 (but not missing)
PW = 24 and temp_air GE 287.2 (but not missing)
PW = 23 or 26 and temp_air GE 291.2 (but not missing)
PW = 28 and temp_air GE 316.0 (but not missing)

93. Present Weather: If wx_pres1 or wx_pres2 = 0 and any of the other present weather fields = 1-99, then set wx_pres1 or wx_pres2 (the one that = 0) to missing.
94. tw: If wx_past_period not = 00-99 or 999, then set = missing.
95. tw: If wx_past_period = 00-99 and wx_past1 and wx_past2 both = 99, then set wx_past_period = missing.
96. Past Weather : If wx_past1-wx_past2 not = 0-9 or 99, then set = missing.
97. Past Weather: If wx_past1-wx_past2 = 5-8, then set = missing if 1 of the following sets of conditions are met (temp_air in this case refers to all temperature reports from 6 hours prior to and then up to and including the ob being checked; e.g., temp_air LE 233.2 indicates all temperatures over the past 6 hours must be less than or equal to 233.2). For 999999 stns, only check the current temperature.

wx_past1 or wx_past2 = 5 and temp_air LE 233.2
wx_past1 or wx_past2 = 5 and temp_air GE 321.0 (but not missing)
wx_past1 or wx_past2 = 6 and temp_air LE 233.2
wx_past1 or wx_past2 = 6 and temp_air GE 321.0 (but not missing)
wx_past1 or wx_past2 = 7 and temp_air GE 291.2 (but not missing)
wx_past1 or wx_past2 = 8 and temp_air GE 321.0 (but not missing)

98. Ix: If M27 not 1-7, then set = missing. ****NOT PORTED****
99. Ix: If M27 not missing and rpt_typ = 2-6, 11, or 13; then set = missing. ****NOT PORTED****

NOTES: 1. The phase 2 algorithms should be executed in the order of the algorithm numbers. Each algorithm should take into account the changes made by the algorithms already executed; i.e., they should use the values output by the preceding algorithms so that if an element is corrected, it will be reflected in any ensuing algorithms that use it to check against.

2. None of the phase 2 algorithms should change the value of an element (or set it = missing) based on another element which is suspect. For example, for algorithm 68, if temp_air is suspect, the algorithm should be exited without action. The only elements used in the above algorithms that may be suspect are dry bulb and dew point temperatures (temp_air and temp_dewpt). Therefore, any of the algorithms that check temp_air should be bypassed for that ob if temp_air is suspect. The same holds true for temp_dewpt.

3. When an algorithm says to set an element = missing, this only refers to the particular field meeting the stated criteria—not all present or past weather fields.

4. The following algorithms should not be executed if M27 = 7: 68-69, 71-72, and 77-92.

5. Algorithms which are strictly inter-ob should bypass 999999 stns completely. Those which are inter and intra-ob should act on 999999 stns only for the intra-ob portion of the algorithm (except for 65 which bypasses them completely). All other algorithms (intra-ob) should act on 999999 stns just as with other stns. Specific details are contained in the individual algorithms.

Inter-Ob Algorithms

44

46

Inter/Intra-Ob Algorithms

4

7

51-53	62-65
58-60	70
	92
	97

6. When the term "missing" is used in reference to an element, this indicates each character field for that element is equal to 9 or should be set equal to 9.

7. If an element being set = missing results in an additional data group having all 9's (i.e., missing), then eliminate that additional data group entirely. Example-data group wx_pres(5-7).

8. All pressure algorithms should be executed in order shown above.

9. All equations shown above are for direct I/O from DATSAV2, e.g., sea level pressure is a 5 digit integer.

10. Algorithms 54 through 57 will only be run on those stations whose elevations have been verified as correct (i.e., a master list will be maintained and accessed by the program).

11. Algorithms 54 through 57 and 62 through 64--do not compute values using another value that has been flagged as suspect.

12. For all algorithms (wind and all others)--if element is flagged as suspect and not changed or set = missing, then pass that ob to the suspect file unless otherwise noted. Also, do not perform any continuity checks or checks involving previous or later obs on 999999 stations (see Note 5).

From the daily tables the data are "taken down" to the archive flat file format. The flat files are used to load the Surface Historical data base. Once in the historical data base, a series of gross limit checks are performed on the data to ensure it was loaded correctly and are in compliance with the limits established in the DATSAV3 documentation and in the Joint METOC Observations data base design documents. Data that did not fit into the limits described in these documents was deleted from the database.

Completeness_Report: Periods of record vary from station to station. The earliest station data dates back to January of 1901. New data are added to the dataset each month. There are over 22,000 stations loaded in the tables. Long periods of record do not necessarily end at the current time. No reasonable data are excluded from the dataset during the load process. The Oracle tables are set up to include all the surface data from the AFCCC archive file that is created for each month:

Lineage:

Process_Step:

Process_Description: Quality fields have been established for each meteorological element in the data base. Five quality flags are available for use, but only four are currently used by AFCCC. A

quality flag of 0 = No check, 1 = Good, 2 = Suspect, 3 = Erroneous (not used by AFCCC, because if we determine it is bad, we remove it), 4=Calculated and 5=Removed. During the initial load of the data into the data base, a large number of stations that shared the same latitude and longitude were identified. Value judgments were made for each station and only one station per latitude and longitude combination was loaded into the tables. Any station data that could not be loaded because it shared the same latitude and longitude with another station was cataloged and an ongoing effort is underway to resolve such stations and get them loaded into the tables where possible. In some instances, it is simply a matter of resolving the latitude and longitude to a higher resolution (if available) so that the station can be reloaded into the tables. In other cases, extensive research will be required to determine if there is an error in either the latitude or longitude or perhaps even the block station number that has been assigned to the station before it was sent to the archive. It should be noted that there were over one thousand stations that could not be loaded into the data base because of this problem. In addition to this problem there were approximately xxxxx stations in the archive that did not have any latitude and longitude or the latitude and longitude had been set to a default of latitude = 0 and longitude = 0. Stations without a valid latitude and longitude were not loaded into the tables. A detailed quality control data base of errors (QC_ADE) is available on the AFCCC intranet at <http://intranet/dod/quality.php>. QC_ADE is an Access data base that the Data Quality Team uses to detail and catalog any known errors that exist in the various data bases maintained at AFCCC. QC_ADE contains details of both open and resolved errors in the data. It offers search a search capability based on weather element, database, blockstation, country, date range, AFWA Problem Report Number, internal tracker identification number, and keyword.

Process_Date: 19010101

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: SFC_OBS

Entity_Type_Definition: Surface Observation

Entity_Type_Definition_Source: DDDS

Attribute:

Attribute_Label: AIR-TEMPERATURE-OBSERVATION air temperature

Attribute_Definition: The temperature of the air.

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: -93.2

Range_Domain_Maximum: 61.8

Attribute_Units_of_Measure: Celsius

Attribute:

Attribute_Label: AIR-TEMPERATURE-OBSERVATION air temperature quality code

Attribute_Definition: The code that denotes a quality status of an AIR-TEMPERATURE-OBSERVATION.

Attribute_Definition_Source: DDDS

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 0  
        Enumerated_Domain_Value_Definition: Not checked  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Good  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Suspect  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Erroneous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Attribute:  
    Attribute_Label: AIR-TEMPERATURE-OBSERVATION dew point quality code  
    Attribute_Definition: The code that denotes a quality status of the reported dew point  
temperature.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: AIR-TEMPERATURE-OBSERVATION dew point temperature
    Attribute_Definition: The temperature to which a given parcel of air must be cooled at
constant pressure and water vapor content in order for saturation to occur.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: -98.2
            Range_Domain_Maximum: 36.8
            Attribute_Units_of_Measure: Celsius

Attribute:
    Attribute_Label: ATMOSPHERIC-PRESSURE-CHANGE quality tendency code
    Attribute_Definition: The code that denotes a quality status of the tendency of an
ATMOSPHERIC-PRESSURE-CHANGE.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: ATMOSPHERIC-PRESSURE-CHANGE quality three hour code.  
        Attribute_Definition: The code that denotes a quality status of a reported three hour  
ATMOSPHERIC-PRESSURE-CHANGE.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed
```

Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: ATMOSPHERIC-PRESSURE-CHANGE quality twenty four hour code.

 Attribute_Definition: The code that denotes a quality status of a reported twenty four hour ATMOSPHERIC-PRESSURE-CHANGE.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Suspect

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Erroneous

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Calculated

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Removed

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: ATMOSPHERIC-PRESSURE-CHANGE tendency code

 Attribute_Definition: The code that denotes the characteristics of an ATMOSPHERIC-PRESSURE-CHANGE that occurs over a period of three hours.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Increasing, then decreasing; atmospheric pressure the same or higher than 3 hours ago

 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Increasing then steady; or increasing,
then increasing more slowly; atmospheric pressure now higher than 3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Increasing (steadily or unsteadily);
atmospheric pressure now higher than 3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Decreasing or steady, then increasing; or
increasing, then increasing more rapidly; atmospheric pressure now higher than 3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Steady; atmospheric pressure the same as
3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Decreasing, then increasing; atmospheric
pressure the same or lower than 3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Decreasing, then steady; or decreasing,
then decreasing more slowly; atmospheric pressure now lower than 3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Decreasing (steadily or unsteadily);
atmospheric pressure now lower than 3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Steady or increasing, then decreasing; or
decreasing, then decreasing more rapidly; atmospheric pressure now lower than 3 hours ago
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: ATMOSPHERIC-PRESSURE-CHANGE three hour quantity.

Attribute_Definition: The absolute value of the quantity of change in atmospheric pressure measured at the beginning and end of a three hour period.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0
 Range_Domain_Maximum: 50
 Attribute_Units_of_Measure: Hectopascals

Attribute:
 Attribute_Label: ATMOSPHERIC-PRESSURE-CHANGE twenty four hour quantity.
 Attribute_Definition: The quantity of change in atmospheric pressure measured at the beginning and end of a twenty four hour period.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0
 Range_Domain_Maximum: 80
 Attribute_Units_of_Measure: Hectopascals

Attribute:
 Attribute_Label: ATMOSPHERIC-PRESSURE-OBSERVATION altimeter quality code
 Attribute_Definition: The code that denotes a quality status of an altimeter setting rate.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Erroneous
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4

```
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: ATMOSPHERIC-PRESSURE-OBSERVATION altimeter setting rate
        Attribute_Definition: The pressure value to which an aircraft altimeter is set so that it
will indicate the altitude relative to mean sea level of an aircraft on the ground at the location for
which the value was determined.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 863.5
                Range_Domain_Maximum: 1090.4
                Attribute_Units_of_Measure: Hectopascals

    Attribute:
        Attribute_Label: ATMOSPHERIC-PRESSURE-OBSERVATION sea level pressure quality code
        Attribute_Definition: The code that denotes a quality status of the sea level pressure of
an ATMOSPHERIC-PRESSURE-OBSERVATION.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
```

```
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: ATMOSPHERIC-PRESSURE-OBSERVATION sea level pressure rate
    Attribute_Definition: The air pressure relative to Mean Sea Level (MSL).
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 860
            Range_Domain_Maximum: 1090
            Attribute_Units_of_Measure: Hectopascals

Attribute:
    Attribute_Label: ATMOSPHERIC-PRESSURE-OBSERVATION station pressure quality code
    Attribute_Definition: The code that denotes a quality status of the station pressure of
an ATMOSPHERIC-PRESSURE-OBSERVATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: ATMOSPHERIC-PRESSURE-OBSERVATION station pressure rate  
            Attribute_Definition: The atmospheric pressure at the observation point.  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Range_Domain:  
                    Range_Domain_Minimum: 450  
                    Range_Domain_Maximum: 1090  
                    Attribute_Units_of_Measure: Hectopascals  
  
        Attribute:  
            Attribute_Label: Distribution Identification  
            Attribute_Definition: Indicator of distribution availability  
            Attribute_Definition_Source: DoD directive 5230.24  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: A  
                    Enumerated_Domain_Value_Definition: Approved for public release; distribution  
unlimited  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: D  
                    Enumerated_Domain_Value_Definition: Distribution authorized to the DoD and US  
DoD contractors only  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: E  
                    Enumerated_Domain_Value_Definition: Distribution authorized to DoD components  
only  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: FIXED_WEATHER_STATION call letter identifier  
            Attribute_Definition: DDDS  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:
```

Unrepresentable_Domain: A general domain consisting of the characters in the ASCII four character set (0-9) and/or (A-Z)

Attribute:

Attribute_Label: FIXED_WEATHER_STATION identifier
Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 000000
Range_Domain_Maximum: 999999
Attribute_Units_of_Measure: Integer

Attribute:

Attribute_Label: FIXED_WEATHER_STATION identifier.
Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION. COMMENT:
This field includes all surface reporting stations, including ships, buoys, etc.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 000000
Range_Domain_Maximum: 999999
Attribute_Units_of_Measure: Integer

Attribute:

Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION date
Attribute_Definition: The date and time of a GEOPHYSICAL-POINT-OBSERVATION.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
Range_Domain:
Range_Domain_Minimum: 000001010000
Range_Domain_Maximum: 999912312359
Attribute_Units_of_Measure: Year,Month,Day,Hour,Minute

Attribute:

Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION latitude coordinate
Attribute_Definition: The latitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where southern hemisphere is negative.
Attribute_Definition_Source: DDDS 813
Attribute_Domain_Values:
Range_Domain:

```
        Range_Domain_Minimum: -90.0000000
        Range_Domain_Maximum: 90.0000000
        Attribute_Units_of_Measure: Degrees

    Attribute:
        Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION longitude coordinate
        Attribute_Definition: The longitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where
values west from 000.000000 to 179.999999 are signed negative.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: -179.999999
                Range_Domain_Maximum: 180.0000000
                Attribute_Units_of_Measure: Degrees

    Attribute:
        Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION month
        Attribute_Definition: The month of a GEOPHYSICAL-POINT-OBSERVATION
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 1
                Range_Domain_Maximum: 12
                Attribute_Units_of_Measure: Months

    Attribute:
        Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION station elevation dimension.
        Attribute_Definition: The elevation of a GEOPHYSICAL-POINT-OBSERVATION relative to Mean
Sea Level (MSL).
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: -400
                Range_Domain_Maximum: 8850
                Attribute_Units_of_Measure: Meters

    Attribute:
        Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION-REMARK airways text
        Attribute_Definition: The text of a GEOPHYSICAL-POINT-OBSERVATION-REMARK airways.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Unrepresentable_Domain: Free text.
```

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION-REMARK metar text
 Attribute_Definition: The text of a GEOPHYSICAL-POINT-OBSERVATION-REMARK metar
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Unrepresentable_Domain: Free text.

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION-REMARK synoptic text
 Attribute_Definition: The text of a GEOPHYSICAL-POINT-OBSERVATION-REMARK synoptic
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Unrepresentable_Domain: Free text.

Attribute:
 Attribute_Label: GEOPHYSICAL-REPORT-TYPE code
 Attribute_Definition: The code that denotes the type of geophysical surface observation.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-12
 Enumerated_Domain_Value_Definition: SYNOP Report of surface observation form
a fixed land station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-13
 Enumerated_Domain_Value_Definition: SHIP Report of surface observation from a
sea station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-14
 Enumerated_Domain_Value_Definition: SYNOP MOBIL Report of surface observation
from a mobile land station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-15
 Enumerated_Domain_Value_Definition: METAR Aviation routine weather report
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-16

```
        Enumerated_Domain_Value_Definition: SPECI Aviation selected special weather
report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: FM-18
        Enumerated_Domain_Value_Definition: BUOY Report of a buoy observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: SAO
        Enumerated_Domain_Value_Definition: Airways report (includes record specials)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: SAOSP
        Enumerated_Domain_Value_Definition: Airways special report (excluding record
specials)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: AERO
        Enumerated_Domain_Value_Definition: Aerological report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: AUTO
        Enumerated_Domain_Value_Definition: Report from an automatic station
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: GEOPOTENTIAL-HEIGHT-ISOBARIC-LEVEL code
        Attribute_Definition: The code that denotes the isobaric surface used to represent
Geopotential height.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: 1000
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: 925
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: 850
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: 700
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: 500
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: GEOPOTENTIAL-HEIGHT-ISOBARIC-LEVEL height dimension
    Attribute_Definition: The height of a GEOPOTENTIAL-HEIGHT-ISOBARIC-LEVEL
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0
            Range_Domain_Maximum: 9998
            Attribute_Units_of_Measure: Geopotential Meters

Attribute:
    Attribute_Label: GEOPOTENTIAL-HEIGHT-ISOBARIC-LEVEL height dimension quality code
    Attribute_Definition: The code that denotes a quality status of a reported GEOPOTENTIAL-
HEIGHT-ISOBARIC-LEVEL height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: GEOPOTENTIAL-HEIGHT-ISOBARIC-LEVEL quality code  
        Attribute_Definition: The code that denotes a quality status of a reported GEOPOTENTIAL-  
HEIGHT-ISOBARIC-LEVEL code  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: GROUND-SURFACE-OBSERVATION code
```

Attribute_Definition: The code that denotes the physical condition of the ground's surface.

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Surface of ground dry (no appreciable amount of dust or loose sand)

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Surface of ground dry (without cracks and no appreciable amount of dust or loose sand and without snow or measurable ice cover)

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Extremely dry with cracks (without snow or measurable ice cover)

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Loose dry dust or sand not covering ground completely (without snow or measurable ice cover)

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Loose dry dust or sand covering more than one-half of ground (but not completely)

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Loose dry dust or sand covering ground completely

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 6

 Enumerated_Domain_Value_Definition: Thin cover of loose dry dust or sand covering ground completely (without snow or measurable ice cover)

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 7

Enumerated_Domain_Value_Definition: Moderate or thick cover of loose dry dust or sand covering ground completely (without snow or measurable ice cover)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Surface of ground moist
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Surface of ground moist (without snow or measurable ice cover)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Surface of ground wet (standing water in small or large pools on surface)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Surface of ground wet (standing water in small or large pools on surface without snow or measurable ice cover)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: Flooded (without snow or measurable ice cover)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 13
 Enumerated_Domain_Value_Definition: Surface of ground frozen
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Surface of ground frozen (without snow or measurable ice cover)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Glaze or ice on ground, but no snow or melting snow
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: 16
        Enumerated_Domain_Value_Definition: Glaze on ground (without snow or
measurable ice cover)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 17
        Enumerated_Domain_Value_Definition: Ground predominantly covered by ice
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 18
        Enumerated_Domain_Value_Definition: Snow or melting snow (with or without
ice) covering less than one-half of the ground
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 19
        Enumerated_Domain_Value_Definition: Snow or melting snow (with or without
ice) covering more than one-half of the ground but ground not completely covered
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 20
        Enumerated_Domain_Value_Definition: Snow or melting snow (with or without
ice) covering ground completely
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 27
        Enumerated_Domain_Value_Definition: Even layer of compact or wet snow
covering ground completely
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 28
        Enumerated_Domain_Value_Definition: Uneven layer of compact or wet snow
covering ground completely
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 29
        Enumerated_Domain_Value_Definition: Snow covering ground completely; deep
drifts
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 30
        Enumerated_Domain_Value_Definition: Loose dry dust or sand covering one-half
of the ground (but not completely)
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 31
        Enumerated_Domain_Value_Definition: Loose dry snow, dust or sand covering
ground completely
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Attribute:
        Attribute_Label: GROUND-SURFACE-OBSERVATION code quality
        Attribute_Definition: The code that denotes the quality status of a GROUND-SURFACE-
OBSERVATION code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC
    Attribute:
        Attribute_Label: GROUND-SURFACE-OBSERVATION minimum-temperature
        Attribute_Definition: The minimum temperature of the ground's surface recorded during the
observation period.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
```

```
Range_Domain:  
    Range_Domain_Minimum: -110  
    Range_Domain_Maximum: 150  
    Attribute_Units_of_Measure: Degree Celsius  
  
Attribute:  
    Attribute_Label: GROUND-SURFACE-OBSERVATION minimum-temperature period quantity.  
    Attribute_Definition: The quantity of time over which the ground temperature was sampled  
to determine the minimum temperature.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 0  
            Range_Domain_Maximum: 480  
            Attribute_Units_of_Measure: Hours  
  
Attribute:  
    Attribute_Label: GROUND-SURFACE-OBSERVATION minimum-temperature period quality.  
    Attribute_Definition: The code that denotes the quality of a GROUND-SURFACE-OBSERVATION  
minimum-temperature period quantity.  
    Attribute_Definition_Source: DDDS 1110  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: GROUND-SURFACE-OBSERVATION minimum-temperature quality code  
        Attribute_Definition: The code that denotes the quality of a GROUND-SURFACE-OBSERVATION  
minimum-temperature.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: HAIL size dimension  
        Attribute_Definition: The diameter of the largest hailstone observed.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Range_Domain:
```

```
        Range_Domain_Minimum: 0
        Range_Domain_Maximum: 200
        Attribute_Units_of_Measure: Centimeters

    Attribute:
        Attribute_Label: LIQUID-PRECIPITATION condition code 1.
        Attribute_Definition: The code that denotes whether a LIQUID-PRECIPITATION depth
dimension was a trace value..
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Trace
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: LIQUID-PRECIPITATION condition code 2.
        Attribute_Definition: The code that denotes whether a LIQUID-PRECIPITATION depth
dimension was a trace value..
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Trace
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: LIQUID-PRECIPITATION condition code 3.
        Attribute_Definition: The code that denotes whether a LIQUID-PRECIPITATION depth
dimension was a trace value..
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
```

```
        Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Trace
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: LIQUID-PRECIPITATION condition code 4.
        Attribute_Definition: The code that denotes whether a LIQUID-PRECIPITATION depth
dimension was a trace value..
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Trace
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: LIQUID-PRECIPITATION condition quality code 1.
        Attribute_Definition: The code that denotes a quality status of the condition code value
of a LIQUID-PRECIPITATION condition code.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
```

```
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: LIQUID-PRECIPITATION condition quality code 2.
    Attribute_Definition: The code that denotes a quality status of the condition code value
of a LIQUID-PRECIPITATION condition code.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

 Attribute_Label: LIQUID-PRECIPITATION condition quality code 3.

 Attribute_Definition: The code that denotes a quality status of the condition code value of a LIQUID-PRECIPITATION condition code.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Suspect

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Erroneous

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Calculated

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Removed

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: LIQUID-PRECIPITATION condition quality code 4.

 Attribute_Definition: The code that denotes a quality status of the condition code value of a LIQUID-PRECIPITATION condition code.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: LIQUID-PRECIPITATION depth dimension 1.
        Attribute_Definition: The depth of LIQUID-PRECIPITATION that is measured at the time of
an observation.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0
                Range_Domain_Maximum: 9998
                Attribute_Units_of_Measure: Millimeters

    Attribute:
        Attribute_Label: LIQUID-PRECIPITATION depth dimension 2.
        Attribute_Definition: The depth of LIQUID-PRECIPITATION that is measured at the time of
an observation.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0
                Range_Domain_Maximum: 9998
                Attribute_Units_of_Measure: Millimeters
```

Attribute:
 Attribute_Label: LIQUID-PRECIPITATION depth dimension 3.
 Attribute_Definition: The depth of LIQUID-PRECIPITATION that is measured at the time of
an observation.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0
 Range_Domain_Maximum: 9998
 Attribute_Units_of_Measure: Millimeters

Attribute:
 Attribute_Label: LIQUID-PRECIPITATION depth dimension 4.
 Attribute_Definition: The depth of LIQUID-PRECIPITATION that is measured at the time of
an observation.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0
 Range_Domain_Maximum: 9998
 Attribute_Units_of_Measure: Millimeters

Attribute:
 Attribute_Label: LIQUID-PRECIPITATION depth dimension quality code 1.
 Attribute_Definition: The code that denotes a quality status of the depth dimension value
of a LIQUID-PRECIPITATION depth dimension.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3

```
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: LIQUID-PRECIPITATION depth dimension quality code 2.
    Attribute_Definition: The code that denotes a quality status of the depth dimension value
of a LIQUID-PRECIPITATION depth dimension.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Attribute:  
    Attribute_Label: LIQUID-PRECIPITATION depth dimension quality code 3.  
    Attribute_Definition: The code that denotes a quality status of the depth dimension value  
of a LIQUID-PRECIPITATION depth dimension.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: LIQUID-PRECIPITATION depth dimension quality code 4.  
    Attribute_Definition: The code that denotes a quality status of the depth dimension value  
of a LIQUID-PRECIPITATION depth dimension.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: LIQUID-PRECIPITATION period quantity 1.
    Attribute_Definition: The quantity of time over which the LIQUID-PRECIPITATION was
measured.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Lated less than 1 hour
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Lasted 1-3 hours
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Lasted 3-6 hours
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Lasted more than 6 hours
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:
 Attribute_Label: LIQUID-PRECIPITATION period quantity 2.
 Attribute_Definition: The quantity of time over which the LIQUID-PRECIPITATION
was measured.

 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Lasted less than 1 hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Lasted 1-3 hours
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Lasted 3-6 hours
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Lasted more than 6 hours
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: LIQUID-PRECIPITATION period quantity 3.
 Attribute_Definition: The quantity of time over which the LIQUID-PRECIPITATION was
measured.

 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Lasted less than 1 hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Lasted 1-3 hours
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Lasted 3-6 hours
 Enumerated_Domain_Value_Definition_Source: AFCCC

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Lasted more than 6 hours  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: LIQUID-PRECIPITATION period quantity 4.  
            Attribute_Definition: The quantity of time over which the LIQUID-PRECIPITATION was  
measured.  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0  
                    Enumerated_Domain_Value_Definition: Lated less than 1 hour  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 1  
                    Enumerated_Domain_Value_Definition: Lasted 1-3 hours  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 2  
                    Enumerated_Domain_Value_Definition: Lasted 3-6 hours  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 3  
                    Enumerated_Domain_Value_Definition: Lasted more than 6 hours  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: Network Type 1135  
            Attribute_Definition: The code that denotes the network under which the stations belongs.  
            Attribute_Definition_Source: JMOBS DBDD  
            Attribute_Domain_Values:  
                Codeset_Domain:  
                    Codeset_Name: Network Type  
                    Codeset_Source: JMOBS DBDD Appendix B  
  
        Attribute:  
            Attribute_Label: PAST-WEATHER-OBSERVATION automated atmospheric condition code 1.  
            Attribute_Definition: The code that denotes a specific type of past weather reported by  
an automated device.  
            Attribute_Definition_Source: DDDS
```

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 0  
        Enumerated_Domain_Value_Definition: No significant weather observed.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Visibility reduced.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Blowing phenomena, visibility reduced.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Fog.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Precipitation.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Drizzle.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 6  
        Enumerated_Domain_Value_Definition: Rain  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 7  
        Enumerated_Domain_Value_Definition: Snow or ice pellets.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 8  
        Enumerated_Domain_Value_Definition: Shower(s) or intermittent precipitation  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 9  
        Enumerated_Domain_Value_Definition: Thunderstorm  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Attribute:  
    Attribute_Label: PAST-WEATHER-OBSERVATION automated atmospheric condition code 2.  
    Attribute_Definition: The code that denotes a specific type of past weather reported by  
an automated device.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: No significant weather observed.  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Visibility reduced.  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Blowing phenomena, visibility reduced.  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Fog.  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Precipitation.  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Drizzle.  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 6  
                Enumerated_Domain_Value_Definition: Rain  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 7  
                Enumerated_Domain_Value_Definition: Snow or ice pellets.  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 8  
                Enumerated_Domain_Value_Definition: Shower(s) or intermittent precipitation  
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 9  
            Enumerated_Domain_Value_Definition: Thunderstorm  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: PAST-WEATHER-OBSERVATION manual atmospheric condition code 1.  
            Attribute_Definition: The code that denotes a specific type of past weather observed  
manually.  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0  
                    Enumerated_Domain_Value_Definition: Cloud covering 1/2 or less of the sky  
throughout the appropriate period  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 1  
                    Enumerated_Domain_Value_Definition: Cloud covering more than 1/2 of the sky  
during part of the appropriate period and covering 1/2 or less during part of the period.  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 2  
                    Enumerated_Domain_Value_Definition: Cloud covering more than 1/2 of the sky  
throughout the appropriate period.  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 3  
                    Enumerated_Domain_Value_Definition: Sandstorm, duststorm or blowing snow  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 4  
                    Enumerated_Domain_Value_Definition: Fog or ice fog or thick haze  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 5  
                    Enumerated_Domain_Value_Definition: Drizzle  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 6  
                    Enumerated_Domain_Value_Definition: Rain  
                    Enumerated_Domain_Value_Definition_Source: AFCCC
```

precipitation

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 7  
        Enumerated_Domain_Value_Definition: Snow, or rain and snow mixed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 8  
        Enumerated_Domain_Value_Definition: Shower(s)  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 9  
        Enumerated_Domain_Value_Definition: Thunderstorm(s) with or without  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: PAST-WEATHER-OBSERVATION manual atmospheric condition code 2.  
    Attribute_Definition: The code that denotes a specific type of past weather observed  
manually.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Cloud covering 1/2 or less of the sky  
throughout the appropriate period  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Cloud covering more than 1/2 of the sky  
during part of the appropriate period and covering 1/2 or less during part of the period.  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Cloud covering more than 1/2 of the sky  
throughout the appropriate period.  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Sandstorm, duststorm or blowing snow  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Fog or ice fog or thick haze
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Drizzle
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Rain
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: Snow, or rain and snow mixed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Thunderstorm(s) with or without
precipitation
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: PAST WEATHER OBSERVATION period quantity 1
        Attribute_Definition: The quantity of time over which a PAST-WEATHER-OBSERVATION
occurred.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 1
                Range_Domain_Maximum: 24
                Attribute_Units_of_Measure: Hours

    Attribute:
        Attribute_Label: PAST WEATHER OBSERVATION period quantity 2
        Attribute_Definition: The quantity of time over which a PAST-WEATHER-OBSERVATION
occurred.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 1
```

```
        Range_Domain_Maximum: 24
        Attribute_Units_of_Measure: Hours

Attribute:
    Attribute_Label: PAST-WEATHER-OBSERVATION period quality code 1
    Attribute_Definition: The code that denotes a quality status of a reported past weather
period
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PAST-WEATHER-OBSERVATION period quality code 2
    Attribute_Definition: The code that denotes a quality status of a reported past weather
period
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
```

```
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: PAST-WEATHER-OBSERVATION quality automated atmospheric condition Code 1.
        Attribute_Definition: The code that denotes a quality status of a reported past weather
observation from an automated station.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PAST-WEATHER-OBSERVATION quality automated atmospheric condition Code 2.
    Attribute_Definition: The code that denotes a quality status of a reported past weather
observation from an automated station.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

 Attribute_Label: PAST-WEATHER-OBSERVATION quality manual atmospheric condition 1 code

 Attribute_Definition: The code that denotes a quality status of a reported past weather observation from a manual station

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Suspect

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Erroneous

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Calculated

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Removed

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: PAST-WEATHER-OBSERVATION quality manual atmospheric condition 2 Code.

 Attribute_Definition: The code that denotes a quality status of a reported past weather observation from a manual station

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: PRECIPITATION-BOGUS-OBSERVATION discrepancy code.  
        Attribute_Definition: The code that denotes the type of discrepancy between a  
PRECIPITATION OBSERVATION and other related observations at the same location.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Reported amount of precipitation and  
reported weather agree  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Precipitation missing or not reported and  
none inferred by weather  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Precipitation missing, but precipitation  
inferred by weather  
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Precipitation reported, but none inferred  
by weather  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Zero precipitation reported, but  
precipitation inferred by weather  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Zero precipitation reported, no  
precipitation inferred and precipitation not occurring at the reporting station  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: PRECIPITATION-BOGUS-OBSERVATION discrepancy quality code.  
            Attribute_Definition: The code that denotes a quality status of the discrepancy code of a  
PRECIPITATION-BOGUS-OBSERVATION discrepancy code  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0  
                    Enumerated_Domain_Value_Definition: Not checked  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 1  
                    Enumerated_Domain_Value_Definition: Good  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 2  
                    Enumerated_Domain_Value_Definition: Suspect  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 3  
                    Enumerated_Domain_Value_Definition: Erroneous  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 4  
                    Enumerated_Domain_Value_Definition: Calculated  
                    Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCCC  
  
        Attribute:  
            Attribute_Label: PRECIPITATION-BOGUS-OBSERVATION estimated water equivalency dimension.  
            Attribute_Definition: The estimated depth of precipitation in water equivalency for a 3-hour synoptic period.  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Range_Domain:  
                    Range_Domain_Minimum: 0  
                    Range_Domain_Maximum: 998  
                    Attribute_Units_of_Measure: Millimeters  
  
        Attribute:  
            Attribute_Label: PRECIPITATION-BOGUS-OBSERVATION estimated water equivalency dimension quality.  
            Attribute_Definition: The code that denotes a quality status of the estimated water equivalency dimension of a PRECIPITATION-BOGUS-OBSERVATION estimated water equivalency dimension.  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0  
                    Enumerated_Domain_Value_Definition: Not checked  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 1  
                    Enumerated_Domain_Value_Definition: Good  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 2  
                    Enumerated_Domain_Value_Definition: Suspect  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 3  
                    Enumerated_Domain_Value_Definition: Erroneous  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 4  
                    Enumerated_Domain_Value_Definition: Calculated
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY characteristic code.
        Attribute_Definition: The code that denotes whether precipitation is continuous or
intermittent.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: C
                Enumerated_Domain_Value_Definition: Continous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: I
                Enumerated_Domain_Value_Definition: Intermittent
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY characteristic quality code.
        Attribute_Definition: The code that denotes a quality status of the characteristic code
of a PRECIPITATION-OBSERVATION-HISTORY characteristic code.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY duration code.
    Attribute_Definition: The code that denotes the duration of precipitation.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Lated less than 1 hour
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Lasted 1-3 hours
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Lasted 3-6 hours
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Lasted more than 6 hours
            Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY duration quality code.
        Attribute_Definition: The code that denotes a quality status of the duration code of a
PRECIPITATION-OBSERVATION-HISTORY duration code.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY duration quality code 1.
    Attribute_Definition: The code that denotes a quality status of the precip period value
of an LIQUID-PRECIPITATION period quantity
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY duration quality code 2.  
        Attribute_Definition: The code that denotes a quality status of the precip period value  
of an LIQUID-PRECIPITATION period quantity  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY duration quality code 3.
```

Attribute_Definition: The code that denotes a quality status of the precip period value of an LIQUID-PRECIPITATION period quantity
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Erroneous
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Calculated
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Removed
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: PRECIPITATION-OBSERVATION-HISTORY duration quality code 4.
 Attribute_Definition: The code that denotes a quality status of the precip period value of an LIQUID-PRECIPITATION period quantity
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1

```
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
Attribute_Label: PRESENT WEATHER OBSERVATION manual atmospheric condition code 1.
Attribute_Definition: The code that denotes a specific type of weather observed manually.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Cloud development not observed or not
observable.
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming
less developed.
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: State of sky on the whole unchanged
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Clouds generally forming or developing
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Visibility reduced by smoke, e.g. veldt or forest fires, industrial smoke or volcanic ashes
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Haze
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Dust or sand raised by wind at or near the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no duststorm or sandstorm seen or, in the case of ships, blowing spray at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Mist
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Patches of shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: More or less continuous shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 13

Enumerated_Domain_Value_Definition: Lightning visible, no thunder heard
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Precipitation within sight, not reaching
the ground or the surface of the sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, but distant, i.e., estimated to be more than 5 km from the station
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 16
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, near to, but not at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 17
 Enumerated_Domain_Value_Definition: Thunderstorm, but no precipitation at the
time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 18
 Enumerated_Domain_Value_Definition: Squalls at or within sight of the station
during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 19
 Enumerated_Domain_Value_Definition: Funnel cloud(s) (Tornado cloud or
waterspout) at or within sight of the station during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 20
 Enumerated_Domain_Value_Definition: Drizzle (not freezing) or snow grains not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 21
 Enumerated_Domain_Value_Definition: Rain (not freezing) not falling as
shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 22  
            Enumerated_Domain_Value_Definition: Snow not falling as shower(s)  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 23  
            Enumerated_Domain_Value_Definition: Rain and snow or ice pellets not falling  
as shower(s)  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 24  
            Enumerated_Domain_Value_Definition: Freezing drizzle or freezing rain not  
falling as shower(s)  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 25  
            Enumerated_Domain_Value_Definition: Shower(s) of rain  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 26  
            Enumerated_Domain_Value_Definition: Shower(s) of snow or of rain and snow  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 27  
            Enumerated_Domain_Value_Definition: Shower(s) of hail (Hail, small hail,snow  
pellets), or rain and hail  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 28  
            Enumerated_Domain_Value_Definition: Fog or ice fog  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 29  
            Enumerated_Domain_Value_Definition: Thunderstorm (with or without  
precipitation)  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 30  
            Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm  
has decreased during the preceding hour  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:
```

Enumerated_Domain_Value: 31
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 32
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 33
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has
decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 34
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 35
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has begun
or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Slight or moderate drifting snow
generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Heavy drifting snow generally low (below
eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: Slight or moderate blowing snow generally
high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 39

Enumerated_Domain_Value_Definition: Heavy blowing snow generally high (above eye level)

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 40

 Enumerated_Domain_Value_Definition: Fog or ice fog at a distance at the time of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level above that of the observer

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 41

 Enumerated_Domain_Value_Definition: Fog or ice fog in patches

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 42

 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, has become thinner during the preceding hour

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 43

 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has become thinner during the preceding hour

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 44

 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, no appreciable change during the preceding hour

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 45

 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, no appreciable change during the preceding hour

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 46

 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun or has become thicker during the preceding hour

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 47

 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun or has become thicker during the preceding hour

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 48
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky visible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 49
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky invisible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 50
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
slight at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 51
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, slight
at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 52
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 53
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 54
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
heavy (dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 55
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, heavy
(dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 56
        Enumerated_Domain_Value_Definition: Drizzle, freezing, slight
```

(dense)

at time of observation

time of observation

moderate at time of observation

at time of observation

at time of observation

```
    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 57
        Enumerated_Domain_Value_Definition: Drizzle, freezing, moderate or heavy

    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 58
        Enumerated_Domain_Value_Definition: Drizzle and rain, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Enumerated_Domain:
        Enumerated_Domain_Value: 59
        Enumerated_Domain_Value_Definition: Drizzle and rain, moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Enumerated_Domain:
        Enumerated_Domain_Value: 60
        Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, slight

    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 61
        Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, slight at

    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 62
        Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent,
moderate at time of observation

        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 63
        Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, moderate

    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 64
        Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, heavy

    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 65
```

Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, heavy at time of observation
Enumerated_Domain_Value_Definition_Source: AFCCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 66
 Enumerated_Domain_Value_Definition: Rain, freezing, slight
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 67
 Enumerated_Domain_Value_Definition: Rain, freezing, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 68
 Enumerated_Domain_Value_Definition: Rain or drizzle and snow, slight
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 69
 Enumerated_Domain_Value_Definition: Rain or drizzle and snow, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 70
 Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, slight at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 71
 Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, slight at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 72
 Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 73
 Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 74

time of observation Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, heavy at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 75
 Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, heavy at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

time of observation Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 76
 Enumerated_Domain_Value_Definition: Diamond dust (with or without fog)
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 77
 Enumerated_Domain_Value_Definition: Snow grains (with or without fog)
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 78
 Enumerated_Domain_Value_Definition: Isolated star like snow crystals (with or without fog)
 Enumerated_Domain_Value_Definition_Source: AFCCC

without fog) Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 79
 Enumerated_Domain_Value_Definition: Ice pellets
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 80
 Enumerated_Domain_Value_Definition: Rain shower(s), slight
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 81
 Enumerated_Domain_Value_Definition: Rain shower(s), moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 82
 Enumerated_Domain_Value_Definition: Rain shower(s), violent
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 83
 Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:

moderate or heavy

 Enumerated_Domain_Value: 84
 Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed,
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 85
 Enumerated_Domain_Value_Definition: Show shower(s), slight
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 86
 Enumerated_Domain_Value_Definition: Snow shower(s), moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 87
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 88
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 89
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets) , with or without rain or rain and snow mixed, not associated with thunder, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets), with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: Slight rain at time of observation,
thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Moderate or heavy rain at time of
observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 93
 Enumerated_Domain_Value_Definition: Slight snow, or rain and snow mixed or
hail (Hail, small hail, snow pellets), at time of observation, thunderstorm during the preceding hour but
not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 94
 Enumerated_Domain_Value_Definition: Moderate or heavy snow, or rain and snow
mixed or hail(Hail, small hail, snow pellets) at time of observation, thunderstorm during the preceding
hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 95
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, without
hail (Hail, small hail, snow pellets),but with rain and/or snow at time of observation, thunderstorm at
time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 96
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, with
hail (hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 97
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, without hail (Hail,
small hail, snow pellets), but with rain and/or snow at time of observation, thunderstorm at time of
observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 98
 Enumerated_Domain_Value_Definition: Thunderstorm combined with duststorm or
sandstorm at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, with hail (Hail,
small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: PRESENT WEATHER OBSERVATION manual atmospheric condition code 2.

Attribute_Definition: The code that denotes a specific type of weather observed manually.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Cloud development not observed or not observable.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming less developed.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: State of sky on the whole unchanged
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Clouds generally forming or developing
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Visibility reduced by smoke, e.g. veldt or forest fires, industrial smoke or volcanic ashes
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Haze
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Dust or sand raised by wind at or near the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no duststorm or sandstorm seen or, in the case of ships, blowing spray at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Mist
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Patches of shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: More or less continuous shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 13
 Enumerated_Domain_Value_Definition: Lightning visible, no thunder heard
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Precipitation within sight, not reaching the ground or the surface of the sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the ground or the surface of the sea, but distant, i.e., estimated to be more than 5 km from the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 16
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the ground or the surface of the sea, near to, but not at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 17
 Enumerated_Domain_Value_Definition: Thunderstorm, but no precipitation at the time of observation

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 18
 Enumerated_Domain_Value_Definition: Squalls at or within sight of the station
during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 19
 Enumerated_Domain_Value_Definition: Funnel cloud(s) (Tornado cloud or
waterspout) at or within sight of the station during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 20
 Enumerated_Domain_Value_Definition: Drizzle (not freezing) or snow grains not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 21
 Enumerated_Domain_Value_Definition: Rain (not freezing) not falling as
shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 22
 Enumerated_Domain_Value_Definition: Snow not falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 23
 Enumerated_Domain_Value_Definition: Rain and snow or ice pellets not falling
as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 24
 Enumerated_Domain_Value_Definition: Freezing drizzle or freezing rain not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 25
 Enumerated_Domain_Value_Definition: Shower(s) of rain
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 26
 Enumerated_Domain_Value_Definition: Shower(s) of snow or of rain and snow

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 27
 Enumerated_Domain_Value_Definition: Shower(s) of hail (Hail, small hail, snow
pellets), or rain and hail
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 28
 Enumerated_Domain_Value_Definition: Fog or ice fog
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 29
 Enumerated_Domain_Value_Definition: Thunderstorm (with or without
precipitation)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 30
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
has decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 31
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 32
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 33
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has
decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 34
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 35

Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Slight or moderate drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Heavy drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: Slight or moderate blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 39
 Enumerated_Domain_Value_Definition: Heavy blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 40
 Enumerated_Domain_Value_Definition: Fog or ice fog at a distance at the time of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level above that of the observer
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 41
 Enumerated_Domain_Value_Definition: Fog or ice fog in patches
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 42
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, has become thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 43
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has become thinner during the preceding hour

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 44
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 45
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 46
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 47
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 48
 Enumerated_Domain_Value_Definition: Fog, depositing rime, sky visible
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 49
 Enumerated_Domain_Value_Definition: Fog, depositing rime, sky invisible
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 50
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
slight at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 51
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, slight
at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 52

Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 53
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous,
moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 54
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
heavy (dense) at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 55
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, heavy
(dense) at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 56
 Enumerated_Domain_Value_Definition: Drizzle, freezing, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 57
 Enumerated_Domain_Value_Definition: Drizzle, freezing, moderate or heavy
(dense)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 58
 Enumerated_Domain_Value_Definition: Drizzle and rain, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 59
 Enumerated_Domain_Value_Definition: Drizzle and rain, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 60
 Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, slight
at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 61


```
        Enumerated_Domain_Value: 79
        Enumerated_Domain_Value_Definition: Ice pellets
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 80
        Enumerated_Domain_Value_Definition: Rain shower(s), slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 81
        Enumerated_Domain_Value_Definition: Rain shower(s), moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 82
        Enumerated_Domain_Value_Definition: Rain shower(s), violent
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 83
        Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 84
        Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed,
moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 85
        Enumerated_Domain_Value_Definition: Show shower(s), slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 86
        Enumerated_Domain_Value_Definition: Snow shower(s), moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 87
        Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 88
        Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Enumerated_Domain:
 Enumerated_Domain_Value: 89
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow pellets) , with or without rain or rain and snow mixed, not associated with thunder, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow pellets), with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: Slight rain at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Moderate or heavy rain at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 93
 Enumerated_Domain_Value_Definition: Slight snow, or rain and snow mixed or hail (Hail, small hail, snow pellets), at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 94
 Enumerated_Domain_Value_Definition: Moderate or heavy snow, or rain and snow mixed or hail(Hail, small hail, snow pellets) at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 95
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, without hail (Hail, small hail, snow pellets),but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 96
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, with hail (hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 97
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, without hail (Hail,
small hail, snow pellets), but with rain and/or snow at time of observation, thunderstorm at time of
observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 98
 Enumerated_Domain_Value_Definition: Thunderstorm combined with duststorm or
sandstorm at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, with hail (Hail,
small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: PRESENT WEATHER OBSERVATION manual atmospheric condition code 3.
 Attribute_Definition: The code that denotes a specific type of weather observed manually.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Cloud development not observed or not
observable.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming
less developed.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: State of sky on the whole unchanged
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Clouds generally forming or developing
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Visibility reduced by smoke, e.g. veldt or forest fires, industrial smoke or volcanic ashes
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Haze
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Dust or sand raised by wind at or near the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no duststorm or sandstorm seen or, in the case of ships, blowing spray at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Mist
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Patches of shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: More or less continuous shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 13
 Enumerated_Domain_Value_Definition: Lightning visible, no thunder heard

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Precipitation within sight, not reaching
the ground or the surface of the sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, but distant, i.e., estimated to be more than 5 km from the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 16
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, near to, but not at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 17
 Enumerated_Domain_Value_Definition: Thunderstorm, but no precipitation at the
time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 18
 Enumerated_Domain_Value_Definition: Squalls at or within sight of the station
during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 19
 Enumerated_Domain_Value_Definition: Funnel cloud(s) (Tornado cloud or
waterspout) at or within sight of the station during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 20
 Enumerated_Domain_Value_Definition: Drizzle (not freezing) or snow grains not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 21
 Enumerated_Domain_Value_Definition: Rain (not freezing) not falling as
shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: 22
        Enumerated_Domain_Value_Definition: Snow not falling as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 23
        Enumerated_Domain_Value_Definition: Rain and snow or ice pellets not falling
as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 24
        Enumerated_Domain_Value_Definition: Freezing drizzle or freezing rain not
falling as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 25
        Enumerated_Domain_Value_Definition: Shower(s) of rain
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 26
        Enumerated_Domain_Value_Definition: Shower(s) of snow or of rain and snow
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 27
        Enumerated_Domain_Value_Definition: Shower(s) of hail (Hail, small hail,snow
pellets), or rain and hail
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 28
        Enumerated_Domain_Value_Definition: Fog or ice fog
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 29
        Enumerated_Domain_Value_Definition: Thunderstorm (with or without
precipitation)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 30
        Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
has decreased during the preceding hour
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 31
```

Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 32
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 33
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 34
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 35
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Slight or moderate drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Heavy drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: Slight or moderate blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 39
 Enumerated_Domain_Value_Definition: Heavy blowing snow generally high (above eye level)

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 40
 Enumerated_Domain_Value_Definition: Fog or ice fog at a distance at the time
of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level
above that of the observer
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 41
 Enumerated_Domain_Value_Definition: Fog or ice fog in patches
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 42
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, has become
thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 43
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has become
thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 44
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 45
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 46
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 47
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: 48
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky visible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 49
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky invisible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 50
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
slight at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 51
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, slight
at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 52
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 53
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 54
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
heavy (dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 55
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, heavy
(dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 56
        Enumerated_Domain_Value_Definition: Drizzle, freezing, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

(dense)

at time of observation

time of observation

moderate at time of observation

at time of observation

at time of observation

time of observation

```
    Enumerated_Domain_Value: 57
    Enumerated_Domain_Value_Definition: Drizzle, freezing, moderate or heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 58
    Enumerated_Domain_Value_Definition: Drizzle and rain, slight
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 59
    Enumerated_Domain_Value_Definition: Drizzle and rain, moderate or heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 60
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, slight
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 61
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, slight at
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 62
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent,
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 63
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, moderate
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 64
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 65
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, heavy at
    Enumerated_Domain_Value_Definition_Source: AFCCC
```

heavy

at time of observation

time of observation

at time of observation

at time of observation

time of observation

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 66  
    Enumerated_Domain_Value_Definition: Rain, freezing, slight  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 67  
    Enumerated_Domain_Value_Definition: Rain, freezing, moderate or heavy  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 68  
    Enumerated_Domain_Value_Definition: Rain or drizzle and snow, slight  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 69  
    Enumerated_Domain_Value_Definition: Rain or drizzle and snow, moderate or  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 70  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 71  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, slight at  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 72  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, moderate  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 73  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, moderate  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 74  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, heavy at  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

time of observation

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 75  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, heavy at  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

without fog)

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 76  
    Enumerated_Domain_Value_Definition: Diamond dust (with or without fog)  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 77  
    Enumerated_Domain_Value_Definition: Snow grains (with or without fog)  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 78  
    Enumerated_Domain_Value_Definition: Isolated star like snow crystals (with or  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 79  
    Enumerated_Domain_Value_Definition: Ice pellets  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 80  
    Enumerated_Domain_Value_Definition: Rain shower(s), slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 81  
    Enumerated_Domain_Value_Definition: Rain shower(s), moderate or heavy  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 82  
    Enumerated_Domain_Value_Definition: Rain shower(s), violent  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 83  
    Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed, slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 84  
    Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed,  
        moderate or heavy
```

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 85
 Enumerated_Domain_Value_Definition: Show shower(s), slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 86
 Enumerated_Domain_Value_Definition: Snow shower(s), moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 87
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 88
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 89
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets) , with or without rain or rain and snow mixed, not associated with thunder, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets), with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: Slight rain at time of observation,
thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Moderate or heavy rain at time of
observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 93

Enumerated_Domain_Value_Definition: Slight snow, or rain and snow mixed or hail (Hail, small hail, snow pellets), at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 94
 Enumerated_Domain_Value_Definition: Moderate or heavy snow, or rain and snow mixed or hail(Hail, small hail, snow pellets) at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 95
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, without hail (Hail, small hail, snow pellets),but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 96
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, with hail (hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 97
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, without hail (Hail, small hail, snow pellets), but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 98
 Enumerated_Domain_Value_Definition: Thunderstorm combined with duststorm or sandstorm at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, with hail (Hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
Attribute_Label: PRESENT WEATHER OBSERVATION manual atmospheric condition code 4.
Attribute_Definition: The code that denotes a specific type of weather observed manually.
Attribute_Definition_Source: DDDS

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 0  
        Enumerated_Domain_Value_Definition: Cloud development not observed or not  
observable.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming  
less developed.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: State of sky on the whole unchanged  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Clouds generally forming or developing  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Visibility reduced by smoke, e.g. veldt  
or forest fires, industrial smoke or volcanic ashes  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Haze  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 6  
        Enumerated_Domain_Value_Definition: Widespread dust in suspension in the air,  
not raised by wind at or near the station at the time of observation  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 7  
        Enumerated_Domain_Value_Definition: Dust or sand raised by wind at or near  
the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no  
duststorm or sandstorm seen or, in the case of ships, blowing spray at the station  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 8
```

Enumerated_Domain_Value_Definition: Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Mist
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Patches of shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: More or less continuous shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 13
 Enumerated_Domain_Value_Definition: Lightning visible, no thunder heard
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Precipitation within sight, not reaching the ground or the surface of the sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the ground or the surface of the sea, but distant, i.e., estimated to be more than 5 km from the station
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 16
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the ground or the surface of the sea, near to, but not at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 17
 Enumerated_Domain_Value_Definition: Thunderstorm, but no precipitation at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 18
 Enumerated_Domain_Value_Definition: Squalls at or within sight of the station
during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 19
 Enumerated_Domain_Value_Definition: Funnel cloud(s) (Tornado cloud or
waterspout) at or within sight of the station during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 20
 Enumerated_Domain_Value_Definition: Drizzle (not freezing) or snow grains not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 21
 Enumerated_Domain_Value_Definition: Rain (not freezing) not falling as
shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 22
 Enumerated_Domain_Value_Definition: Snow not falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 23
 Enumerated_Domain_Value_Definition: Rain and snow or ice pellets not falling
as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 24
 Enumerated_Domain_Value_Definition: Freezing drizzle or freezing rain not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 25
 Enumerated_Domain_Value_Definition: Shower(s) of rain
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 26
 Enumerated_Domain_Value_Definition: Shower(s) of snow or of rain and snow
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 27
 Enumerated_Domain_Value_Definition: Shower(s) of hail (Hail, small hail, snow pellets), or rain and hail
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 28
 Enumerated_Domain_Value_Definition: Fog or ice fog
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 29
 Enumerated_Domain_Value_Definition: Thunderstorm (with or without precipitation)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 30
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm has decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 31
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 32
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 33
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 34
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 35

Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Slight or moderate drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Heavy drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: Slight or moderate blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 39
 Enumerated_Domain_Value_Definition: Heavy blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 40
 Enumerated_Domain_Value_Definition: Fog or ice fog at a distance at the time of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level above that of the observer
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 41
 Enumerated_Domain_Value_Definition: Fog or ice fog in patches
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 42
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, has become thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 43
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has become thinner during the preceding hour

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 44
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 45
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 46
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 47
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 48
 Enumerated_Domain_Value_Definition: Fog, depositing rime, sky visible
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 49
 Enumerated_Domain_Value_Definition: Fog, depositing rime, sky invisible
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 50
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
slight at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 51
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, slight
at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 52

Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 53
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous,
moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 54
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
heavy (dense) at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 55
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, heavy
(dense) at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 56
 Enumerated_Domain_Value_Definition: Drizzle, freezing, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 57
 Enumerated_Domain_Value_Definition: Drizzle, freezing, moderate or heavy
(dense)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 58
 Enumerated_Domain_Value_Definition: Drizzle and rain, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 59
 Enumerated_Domain_Value_Definition: Drizzle and rain, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 60
 Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, slight
at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 61


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        Enumerated_Domain_Value: 79
        Enumerated_Domain_Value_Definition: Ice pellets
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 80
        Enumerated_Domain_Value_Definition: Rain shower(s), slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 81
        Enumerated_Domain_Value_Definition: Rain shower(s), moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 82
        Enumerated_Domain_Value_Definition: Rain shower(s), violent
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 83
        Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 84
        Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed,
moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 85
        Enumerated_Domain_Value_Definition: Show shower(s), slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 86
        Enumerated_Domain_Value_Definition: Snow shower(s), moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 87
        Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 88
        Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
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Enumerated_Domain:
 Enumerated_Domain_Value: 89
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow pellets) , with or without rain or rain and snow mixed, not associated with thunder, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow pellets), with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: Slight rain at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Moderate or heavy rain at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 93
 Enumerated_Domain_Value_Definition: Slight snow, or rain and snow mixed or hail (Hail, small hail, snow pellets), at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 94
 Enumerated_Domain_Value_Definition: Moderate or heavy snow, or rain and snow mixed or hail(Hail, small hail, snow pellets) at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 95
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, without hail (Hail, small hail, snow pellets),but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 96
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, with hail (hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 97
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, without hail (Hail,
small hail, snow pellets), but with rain and/or snow at time of observation, thunderstorm at time of
observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 98
 Enumerated_Domain_Value_Definition: Thunderstorm combined with duststorm or
sandstorm at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, with hail (Hail,
small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: PRESENT WEATHER OBSERVATION manual atmospheric condition code 5.
 Attribute_Definition: The code that denotes a specific type of weather observed manually.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Cloud development not observed or not
observable.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming
less developed.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: State of sky on the whole unchanged
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Clouds generally forming or developing
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Visibility reduced by smoke, e.g. veldt or forest fires, industrial smoke or volcanic ashes
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Haze
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Dust or sand raised by wind at or near the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no duststorm or sandstorm seen or, in the case of ships, blowing spray at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Mist
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Patches of shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: More or less continuous shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 13
 Enumerated_Domain_Value_Definition: Lightning visible, no thunder heard

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Precipitation within sight, not reaching
the ground or the surface of the sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, but distant, i.e., estimated to be more than 5 km from the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 16
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, near to, but not at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 17
 Enumerated_Domain_Value_Definition: Thunderstorm, but no precipitation at the
time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 18
 Enumerated_Domain_Value_Definition: Squalls at or within sight of the station
during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 19
 Enumerated_Domain_Value_Definition: Funnel cloud(s) (Tornado cloud or
waterspout) at or within sight of the station during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 20
 Enumerated_Domain_Value_Definition: Drizzle (not freezing) or snow grains not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 21
 Enumerated_Domain_Value_Definition: Rain (not freezing) not falling as
shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: 22
        Enumerated_Domain_Value_Definition: Snow not falling as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 23
        Enumerated_Domain_Value_Definition: Rain and snow or ice pellets not falling
as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 24
        Enumerated_Domain_Value_Definition: Freezing drizzle or freezing rain not
falling as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 25
        Enumerated_Domain_Value_Definition: Shower(s) of rain
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 26
        Enumerated_Domain_Value_Definition: Shower(s) of snow or of rain and snow
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 27
        Enumerated_Domain_Value_Definition: Shower(s) of hail (Hail, small hail,snow
pellets), or rain and hail
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 28
        Enumerated_Domain_Value_Definition: Fog or ice fog
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 29
        Enumerated_Domain_Value_Definition: Thunderstorm (with or without
precipitation)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 30
        Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
has decreased during the preceding hour
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 31
```

Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 32
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 33
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 34
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 35
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Slight or moderate drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Heavy drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: Slight or moderate blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 39
 Enumerated_Domain_Value_Definition: Heavy blowing snow generally high (above eye level)

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 40
 Enumerated_Domain_Value_Definition: Fog or ice fog at a distance at the time
of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level
above that of the observer
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 41
 Enumerated_Domain_Value_Definition: Fog or ice fog in patches
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 42
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, has become
thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 43
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has become
thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 44
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 45
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 46
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 47
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: 48
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky visible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 49
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky invisible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 50
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
slight at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 51
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, slight
at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 52
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 53
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 54
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
heavy (dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 55
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, heavy
(dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 56
        Enumerated_Domain_Value_Definition: Drizzle, freezing, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

(dense)

at time of observation

time of observation

moderate at time of observation

at time of observation

at time of observation

time of observation

```
    Enumerated_Domain_Value: 57
    Enumerated_Domain_Value_Definition: Drizzle, freezing, moderate or heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 58
    Enumerated_Domain_Value_Definition: Drizzle and rain, slight
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 59
    Enumerated_Domain_Value_Definition: Drizzle and rain, moderate or heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 60
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, slight
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 61
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, slight at
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 62
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent,
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 63
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, moderate
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 64
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 65
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, heavy at
    Enumerated_Domain_Value_Definition_Source: AFCCC
```

heavy

at time of observation

time of observation

at time of observation

at time of observation

time of observation

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 66  
    Enumerated_Domain_Value_Definition: Rain, freezing, slight  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 67  
    Enumerated_Domain_Value_Definition: Rain, freezing, moderate or heavy  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 68  
    Enumerated_Domain_Value_Definition: Rain or drizzle and snow, slight  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 69  
    Enumerated_Domain_Value_Definition: Rain or drizzle and snow, moderate or  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 70  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 71  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, slight at  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 72  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, moderate  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 73  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, moderate  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 74  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, heavy at  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

time of observation

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 75  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, heavy at  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

without fog)

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 76  
    Enumerated_Domain_Value_Definition: Diamond dust (with or without fog)  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 77  
    Enumerated_Domain_Value_Definition: Snow grains (with or without fog)  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 78  
    Enumerated_Domain_Value_Definition: Isolated star like snow crystals (with or  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 79  
    Enumerated_Domain_Value_Definition: Ice pellets  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 80  
    Enumerated_Domain_Value_Definition: Rain shower(s), slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 81  
    Enumerated_Domain_Value_Definition: Rain shower(s), moderate or heavy  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 82  
    Enumerated_Domain_Value_Definition: Rain shower(s), violent  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 83  
    Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed, slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 84  
    Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed,  
        moderate or heavy
```

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 85
 Enumerated_Domain_Value_Definition: Show shower(s), slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 86
 Enumerated_Domain_Value_Definition: Snow shower(s), moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 87
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 88
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 89
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets) , with or without rain or rain and snow mixed, not associated with thunder, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets), with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: Slight rain at time of observation,
thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Moderate or heavy rain at time of
observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 93

Enumerated_Domain_Value_Definition: Slight snow, or rain and snow mixed or hail (Hail, small hail, snow pellets), at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 94
 Enumerated_Domain_Value_Definition: Moderate or heavy snow, or rain and snow mixed or hail(Hail, small hail, snow pellets) at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 95
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, without hail (Hail, small hail, snow pellets),but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 96
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, with hail (hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 97
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, without hail (Hail, small hail, snow pellets), but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 98
 Enumerated_Domain_Value_Definition: Thunderstorm combined with duststorm or sandstorm at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, with hail (Hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
Attribute_Label: PRESENT WEATHER OBSERVATION manual atmospheric condition code 6.
Attribute_Definition: The code that denotes a specific type of weather observed manually.
Attribute_Definition_Source: DDDS

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 0  
        Enumerated_Domain_Value_Definition: Cloud development not observed or not  
observable.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming  
less developed.  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: State of sky on the whole unchanged  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Clouds generally forming or developing  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Visibility reduced by smoke, e.g. veldt  
or forest fires, industrial smoke or volcanic ashes  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Haze  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 6  
        Enumerated_Domain_Value_Definition: Widespread dust in suspension in the air,  
not raised by wind at or near the station at the time of observation  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 7  
        Enumerated_Domain_Value_Definition: Dust or sand raised by wind at or near  
the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no  
duststorm or sandstorm seen or, in the case of ships, blowing spray at the station  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 8
```

Enumerated_Domain_Value_Definition: Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Mist
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Patches of shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: More or less continuous shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 13
 Enumerated_Domain_Value_Definition: Lightning visible, no thunder heard
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Precipitation within sight, not reaching the ground or the surface of the sea
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the ground or the surface of the sea, but distant, i.e., estimated to be more than 5 km from the station
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 16
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the ground or the surface of the sea, near to, but not at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 17
 Enumerated_Domain_Value_Definition: Thunderstorm, but no precipitation at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 18
 Enumerated_Domain_Value_Definition: Squalls at or within sight of the station
during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 19
 Enumerated_Domain_Value_Definition: Funnel cloud(s) (Tornado cloud or
waterspout) at or within sight of the station during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 20
 Enumerated_Domain_Value_Definition: Drizzle (not freezing) or snow grains not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 21
 Enumerated_Domain_Value_Definition: Rain (not freezing) not falling as
shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 22
 Enumerated_Domain_Value_Definition: Snow not falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 23
 Enumerated_Domain_Value_Definition: Rain and snow or ice pellets not falling
as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 24
 Enumerated_Domain_Value_Definition: Freezing drizzle or freezing rain not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 25
 Enumerated_Domain_Value_Definition: Shower(s) of rain
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 26
 Enumerated_Domain_Value_Definition: Shower(s) of snow or of rain and snow
 Enumerated_Domain_Value_Definition_Source: AFCCC

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 27  
            Enumerated_Domain_Value_Definition: Shower(s) of hail (Hail, small hail,snow  
pellets), or rain and hail  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 28  
            Enumerated_Domain_Value_Definition: Fog or ice fog  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 29  
            Enumerated_Domain_Value_Definition: Thunderstorm (with or without  
precipitation)  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 30  
            Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm  
has decreased during the preceding hour  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 31  
            Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm  
no appreciable change during the preceding hour  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 32  
            Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm  
has begun or has increased during the preceding hour  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 33  
            Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has  
decreased during the preceding hour  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 34  
            Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm no  
appreciable change during the preceding hour  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 35
```

Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Slight or moderate drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Heavy drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: Slight or moderate blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 39
 Enumerated_Domain_Value_Definition: Heavy blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 40
 Enumerated_Domain_Value_Definition: Fog or ice fog at a distance at the time of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level above that of the observer
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 41
 Enumerated_Domain_Value_Definition: Fog or ice fog in patches
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 42
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, has become thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 43
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has become thinner during the preceding hour

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 44
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 45
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 46
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 47
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 48
 Enumerated_Domain_Value_Definition: Fog, depositing rime, sky visible
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 49
 Enumerated_Domain_Value_Definition: Fog, depositing rime, sky invisible
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 50
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
slight at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 51
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, slight
at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 52

Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 53
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous,
moderate at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 54
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
heavy (dense) at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 55
 Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, heavy
(dense) at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 56
 Enumerated_Domain_Value_Definition: Drizzle, freezing, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 57
 Enumerated_Domain_Value_Definition: Drizzle, freezing, moderate or heavy
(dense)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 58
 Enumerated_Domain_Value_Definition: Drizzle and rain, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 59
 Enumerated_Domain_Value_Definition: Drizzle and rain, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 60
 Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, slight
at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 61

at time of observation Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 71
 Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, slight at
time of observation Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 72
 Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes,moderate
at time of observation Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 73
 Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, moderate
at time of observation Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 74
 Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, heavy at
time of observation Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 75
 Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, heavy at
time of observation Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 76
 Enumerated_Domain_Value_Definition: Diamond dust (with or without fog)
 Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 77
 Enumerated_Domain_Value_Definition: Snow grains (with or without fog)
 Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 78
 Enumerated_Domain_Value_Definition: Isolated star like snow crystals (with or
without fog) Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:

```
        Enumerated_Domain_Value: 79
        Enumerated_Domain_Value_Definition: Ice pellets
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 80
        Enumerated_Domain_Value_Definition: Rain shower(s), slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 81
        Enumerated_Domain_Value_Definition: Rain shower(s), moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 82
        Enumerated_Domain_Value_Definition: Rain shower(s), violent
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 83
        Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 84
        Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed,
moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 85
        Enumerated_Domain_Value_Definition: Show shower(s), slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 86
        Enumerated_Domain_Value_Definition: Snow shower(s), moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 87
        Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 88
        Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, moderate or heavy
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Enumerated_Domain:
 Enumerated_Domain_Value: 89
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow pellets) , with or without rain or rain and snow mixed, not associated with thunder, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow pellets), with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: Slight rain at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Moderate or heavy rain at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 93
 Enumerated_Domain_Value_Definition: Slight snow, or rain and snow mixed or hail (Hail, small hail, snow pellets), at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 94
 Enumerated_Domain_Value_Definition: Moderate or heavy snow, or rain and snow mixed or hail(Hail, small hail, snow pellets) at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 95
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, without hail (Hail, small hail, snow pellets),but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 96
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, with hail (hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 97
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, without hail (Hail,
small hail, snow pellets), but with rain and/or snow at time of observation, thunderstorm at time of
observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 98
 Enumerated_Domain_Value_Definition: Thunderstorm combined with duststorm or
sandstorm at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, with hail (Hail,
small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: PRESENT WEATHER OBSERVATION manual atmospheric condition code 7. 3956
 Attribute_Definition: The code that denotes a specific type of weather observed manually.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Cloud development not observed or not
observable.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming
less developed.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: State of sky on the whole unchanged
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Clouds generally forming or developing
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Visibility reduced by smoke, e.g. veldt or forest fires, industrial smoke or volcanic ashes
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Haze
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Widespread dust in suspension in the air, not raised by wind at or near the station at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Dust or sand raised by wind at or near the station at the time of observation, but no well developed dust whirl(s) or sand whirl(s), and no duststorm or sandstorm seen or, in the case of ships, blowing spray at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Well developed dust whirl(s) or sand whirl(s) seen at or near the station during the preceding hour or at the time of observation, but no duststorm or sandstorm
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 10
 Enumerated_Domain_Value_Definition: Mist
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 11
 Enumerated_Domain_Value_Definition: Patches of shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 12
 Enumerated_Domain_Value_Definition: More or less continuous shallow fog or ice fog at the station, whether on land or sea, not deeper than about 2 meters on land or 10 meters at sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 13
 Enumerated_Domain_Value_Definition: Lightning visible, no thunder heard

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 14
 Enumerated_Domain_Value_Definition: Precipitation within sight, not reaching
the ground or the surface of the sea
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 15
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, but distant, i.e., estimated to be more than 5 km from the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 16
 Enumerated_Domain_Value_Definition: Precipitation within sight, reaching the
ground or the surface of the sea, near to, but not at the station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 17
 Enumerated_Domain_Value_Definition: Thunderstorm, but no precipitation at the
time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 18
 Enumerated_Domain_Value_Definition: Squalls at or within sight of the station
during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 19
 Enumerated_Domain_Value_Definition: Funnel cloud(s) (Tornado cloud or
waterspout) at or within sight of the station during the preceding hour or at the time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 20
 Enumerated_Domain_Value_Definition: Drizzle (not freezing) or snow grains not
falling as shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 21
 Enumerated_Domain_Value_Definition: Rain (not freezing) not falling as
shower(s)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: 22
        Enumerated_Domain_Value_Definition: Snow not falling as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 23
        Enumerated_Domain_Value_Definition: Rain and snow or ice pellets not falling
as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 24
        Enumerated_Domain_Value_Definition: Freezing drizzle or freezing rain not
falling as shower(s)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 25
        Enumerated_Domain_Value_Definition: Shower(s) of rain
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 26
        Enumerated_Domain_Value_Definition: Shower(s) of snow or of rain and snow
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 27
        Enumerated_Domain_Value_Definition: Shower(s) of hail (Hail, small hail,snow
pellets), or rain and hail
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 28
        Enumerated_Domain_Value_Definition: Fog or ice fog
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 29
        Enumerated_Domain_Value_Definition: Thunderstorm (with or without
precipitation)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 30
        Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm
has decreased during the preceding hour
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 31
```

Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 32
 Enumerated_Domain_Value_Definition: Slight or moderate duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 33
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has decreased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 34
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm no appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 35
 Enumerated_Domain_Value_Definition: Severe duststorm or sandstorm has begun or has increased during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 36
 Enumerated_Domain_Value_Definition: Slight or moderate drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 37
 Enumerated_Domain_Value_Definition: Heavy drifting snow generally low (below eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 38
 Enumerated_Domain_Value_Definition: Slight or moderate blowing snow generally high (above eye level)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 39
 Enumerated_Domain_Value_Definition: Heavy blowing snow generally high (above eye level)

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 40
 Enumerated_Domain_Value_Definition: Fog or ice fog at a distance at the time
of observation, but not at the station during the preceding hour, the fog or ice fog extending to a level
above that of the observer
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 41
 Enumerated_Domain_Value_Definition: Fog or ice fog in patches
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 42
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, has become
thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 43
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has become
thinner during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 44
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky visible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 45
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, no
appreciable change during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 46
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 47
 Enumerated_Domain_Value_Definition: Fog or ice fog, sky invisible, has begun
or has become thicker during the preceding hour
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: 48
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky visible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 49
        Enumerated_Domain_Value_Definition: Fog, depositing rime, sky invisible
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 50
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
slight at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 51
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, slight
at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 52
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 53
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous,
moderate at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 54
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, intermittent,
heavy (dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 55
        Enumerated_Domain_Value_Definition: Drizzle, not freezing, continuous, heavy
(dense) at time of observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 56
        Enumerated_Domain_Value_Definition: Drizzle, freezing, slight
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

(dense)

at time of observation

time of observation

moderate at time of observation

at time of observation

at time of observation

time of observation

```
    Enumerated_Domain_Value: 57
    Enumerated_Domain_Value_Definition: Drizzle, freezing, moderate or heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 58
    Enumerated_Domain_Value_Definition: Drizzle and rain, slight
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 59
    Enumerated_Domain_Value_Definition: Drizzle and rain, moderate or heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 60
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, slight
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 61
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, slight at
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 62
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent,
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 63
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, moderate
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 64
    Enumerated_Domain_Value_Definition: Rain, not freezing, intermittent, heavy
    Enumerated_Domain_Value_Definition_Source: AFCCC
  Enumerated_Domain:
    Enumerated_Domain_Value: 65
    Enumerated_Domain_Value_Definition: Rain, not freezing, continuous, heavy at
    Enumerated_Domain_Value_Definition_Source: AFCCC
```

heavy

at time of observation

time of observation

at time of observation

at time of observation

time of observation

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 66  
    Enumerated_Domain_Value_Definition: Rain, freezing, slight  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 67  
    Enumerated_Domain_Value_Definition: Rain, freezing, moderate or heavy  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 68  
    Enumerated_Domain_Value_Definition: Rain or drizzle and snow, slight  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 69  
    Enumerated_Domain_Value_Definition: Rain or drizzle and snow, moderate or  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 70  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 71  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, slight at  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 72  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, moderate  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 73  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, moderate  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 74  
    Enumerated_Domain_Value_Definition: Intermittent fall of snowflakes, heavy at  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

time of observation

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 75  
    Enumerated_Domain_Value_Definition: Continuous fall of snowflakes, heavy at  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

without fog)

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 76  
    Enumerated_Domain_Value_Definition: Diamond dust (with or without fog)  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 77  
    Enumerated_Domain_Value_Definition: Snow grains (with or without fog)  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 78  
    Enumerated_Domain_Value_Definition: Isolated star like snow crystals (with or  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 79  
    Enumerated_Domain_Value_Definition: Ice pellets  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 80  
    Enumerated_Domain_Value_Definition: Rain shower(s), slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 81  
    Enumerated_Domain_Value_Definition: Rain shower(s), moderate or heavy  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 82  
    Enumerated_Domain_Value_Definition: Rain shower(s), violent  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 83  
    Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed, slight  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 84  
    Enumerated_Domain_Value_Definition: Shower(s) of rain and snow mixed,  
        moderate or heavy
```

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 85
 Enumerated_Domain_Value_Definition: Show shower(s), slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 86
 Enumerated_Domain_Value_Definition: Snow shower(s), moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 87
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 88
 Enumerated_Domain_Value_Definition: Shower(s) of snow pellets or small hail,
with or without rain or rain and snow mixed, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 89
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets) , with or without rain or rain and snow mixed, not associated with thunder, slight
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 90
 Enumerated_Domain_Value_Definition: Shower(s) of hail (hail, small hail, snow
pellets), with or without rain or rain and snow mixed, not associated with thunder, moderate or heavy
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 91
 Enumerated_Domain_Value_Definition: Slight rain at time of observation,
thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 92
 Enumerated_Domain_Value_Definition: Moderate or heavy rain at time of
observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 93

Enumerated_Domain_Value_Definition: Slight snow, or rain and snow mixed or hail (Hail, small hail, snow pellets), at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 94
 Enumerated_Domain_Value_Definition: Moderate or heavy snow, or rain and snow mixed or hail(Hail, small hail, snow pellets) at time of observation, thunderstorm during the preceding hour but not at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 95
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, without hail (Hail, small hail, snow pellets),but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 96
 Enumerated_Domain_Value_Definition: Thunderstorm, slight or moderate, with hail (hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 97
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, without hail (Hail, small hail, snow pellets), but with rain and/or snow at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 98
 Enumerated_Domain_Value_Definition: Thunderstorm combined with duststorm or sandstorm at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 99
 Enumerated_Domain_Value_Definition: Thunderstorm, heavy, with hail (Hail, small hail, snow pellets) at time of observation, thunderstorm at time of observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Attribute:
 Attribute_Label: PRESENT-WEATHER-OBSERVATION automated atmospheric condition code.
 Attribute_Definition: The code that denotes a specific type of weather reported by an automated device.

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: No significant weather observed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Clouds generally dissolving or becoming
less developed

during the past hour
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: State of sky on the whole unchanged
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Clouds generally forming or developing
during the past hour
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Haze, smoke, or dust in suspension in the
air, visibility equal to or greater than 1km
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Smoke
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Mist
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 11
        Enumerated_Domain_Value_Definition: Diamond dust
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 12
        Enumerated_Domain_Value_Definition: Distant lightning
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 18  
        Enumerated_Domain_Value_Definition: Squalls  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: PRESENT-WEATHER-OBSERVATION quality automated atmospheric condition  
code.  
        Attribute_Definition: The code that denotes a quality status of a reported present  
weather observation from an automated station.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: PRESENT-WEATHER-OBSERVATION quality manual atmospheric condition Code 1.  
        Attribute_Definition: The code that denotes a quality status of a reported present  
weather observation from a manual station.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: PRESENT-WEATHER-OBSERVATION quality manual atmospheric condition Code 2.  
        Attribute_Definition: The code that denotes a quality status of a reported present  
weather observation from a manual station.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PRESENT-WEATHER-OBSERVATION quality manual atmospheric condition Code 3.
    Attribute_Definition: The code that denotes a quality status of a reported present
weather observation from a manual station.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
```

```
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: PRESENT-WEATHER-OBSERVATION quality manual atmospheric condition Code 4.
        Attribute_Definition: The code that denotes a quality status of a reported present
weather observation from a manual station.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: PRESENT-WEATHER-OBSERVATION quality manual atmospheric condition Code 5.
        Attribute_Definition: The code that denotes a quality status of a reported present
weather observation from a manual station.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PRESENT-WEATHER-OBSERVATION quality manual atmospheric condition Code 6.
    Attribute_Definition: The code that denotes a quality status of a reported present
weather observation from a manual station.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
```

```
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: PRESENT-WEATHER-OBSERVATION quality manual atmospheric condition Code 7.
    Attribute_Definition: The code that denotes a quality status of a reported present
weather observation from a manual station.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
```

Attribute_Label: RUNWAY-VISIBILITY-OBSERVATION runway designator code
Attribute_Definition: The code that denotes the left, right or center runway as the one to which the visibility applies.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: L
 Enumerated_Domain_Value_Definition: Left
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: C
 Enumerated_Domain_Value_Definition: Center
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: R
 Enumerated_Domain_Value_Definition: Right
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Unknown
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: RUNWAY-VISIBILITY-OBSERVATION runway end code.
 Attribute_Definition: The angle as measured from magnetic north to the runway along which the visibility is observed
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 01
 Range_Domain_Maximum: 36
 Attribute_Units_of_Measure: Tens of degrees

Attribute:
 Attribute_Label: RUNWAY-VISIBILITY-OBSERVATION visual range dimension
 Attribute_Definition: The dimension of the horizontal distance that can be seen along the runway.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0
 Range_Domain_Maximum: 5000

```
        Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: SEA-SURFACE-TEMPERATURE-OBS temperature
    Attribute_Definition: The temperature of the water at the surface.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 50
            Range_Domain_Maximum: 45
            Attribute_Units_of_Measure: Hectopascals

Attribute:
    Attribute_Label: SEA-SURFACE-TEMPERATURE-OBS temperature quality
    Attribute_Definition: The code that denotes a quality status of a reported SEA-SURFACE-TEMPERATURE-OBS temperature.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
```

```
Attribute_Label: Security Identification
Attribute_Definition: The identifier that represents security classification
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Undefined/Unknown
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1-49999
        Enumerated_Domain_Value_Definition: Unclassified
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 50000-59999
        Enumerated_Domain_Value_Definition: For Official Use Only
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6000-79999
        Enumerated_Domain_Value_Definition: Confidential
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 80000-98999
        Enumerated_Domain_Value_Definition: Secret
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 99000-99499
        Enumerated_Domain_Value_Definition: Top Secret
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 99500-99999
        Enumerated_Domain_Value_Definition: Top Secret Sensitive Compartmented
information
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION CAVOK code
    Attribute_Definition: The code that represents whether the 'Ceiling And Visibility Okay' (CAVOK) condition has been reported.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: Yes
            Enumerated_Domain_Value_Definition: CAVOK reported
```

```
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 2
    Enumerated_Domain_Value_Definition: CAVOK not reported
    Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION CAVOK code quality code
    Attribute_Definition: The code that denotes a quality status of a reported CAVOK.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION ceiling determination code
    Attribute_Definition: The code that denotes the method used to determine the ceiling.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: A
```

```
        Enumerated_Domain_Value_Definition: Aircraft
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: B
        Enumerated_Domain_Value_Definition: Balloon
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: C
        Enumerated_Domain_Value_Definition: Statistically derived
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: E
        Enumerated_Domain_Value_Definition: Estimated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: M
        Enumerated_Domain_Value_Definition: Measured
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: R
        Enumerated_Domain_Value_Definition: Radar
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: W
        Enumerated_Domain_Value_Definition: Obscured
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION ceiling determination quality code
    Attribute_Definition: The code that denotes a quality status of a reported ceiling height
determination.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
```

```
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION ceiling height dimension
    Attribute_Definition: The height above ground level (AGL) of the lowest cloud or
obscuring phenomena layer aloft with 5/8 or more summation total sky cover, which may be predominantly
opaque, or the vertical visibility into a surface based obstruction..
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 00000
            Range_Domain_Maximum: 22000
            Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION ceiling quality code
    Attribute_Definition: The code that denotes a quality status of a reported ceiling height
dimension.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
```

```
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION high cloud genus code
    Attribute_Definition: The code that denotes a type of high cloud.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: No high clouds
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Cirrus fibratus, sometimes uncinus, not
progressively invading the sky.
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Cirrus spissatus, in patches or entangled
sheaves which usually do not increase and sometimes seem to be the remains of the upper part of a
Cumulonimbus or Cirrus casellanus or floccus.
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Cirrus spissatus cumulonimbogenitus
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
```

Enumerated_Domain_Value_Definition: Cirrus unicinus or fibratus or both,
progressively invading the sky, they generally thicken as a whole
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Cirrus (often in bands) and Cirrostratus
or Cirrostratus alone, progressively invading the sky, they generally thicken as a whole but the continuous
veil does not reach 45 degrees above the horizon.
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Cirrus (often in bands) and Cirrostratus,
or Cirrostratus alone, progressively invading the sky; they generally thicken as a whole; the continuous
veil extends more than 45 degrees above the horizon, without the sky being totally covered.
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Cirrostratus covering the whole sky
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Cirrostratus not progressively invading
the sky and not entirely covering it
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Cirrocumulus alone, or Cirrocumulus
predominant among the High clouds
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Attribute:
 Attribute_Label: SKY-CONDITION-OBSERVATION low cloud genus code
 Attribute_Definition: The code that denotes a type of low cloud.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: No low clouds
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Cumulus humulis or Cumulus fractus other
than of bad weather or both

Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Cumulus mediocris or congestus, with or
without Cumulus of species fractus or humulis or Stratocumulus all having bases at the same level
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Cumulonimbus calvus, with or without
Cumulus, Stratocumulus or Stratus
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Stratocumulus cumulogenitus
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Stratocumulus other than Stratocumulus
cumulogenitus
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Stratus nebulosus or Stratus fractus
other than of bad weather, or both
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Stratus fractus or Cumulus fractus of bad
weather, or both (pannus) usually below Altostratus or Nimbostratus
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Cumulus and Stratocumulus other than
Stratocumulus cumulogenitus, with bases at different levels
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Cumulonimbus capillatus (often with an
anvil), with or without Cumulonimbus calvus, Cumulus, Stratocumulus, Stratus or pannus
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: SKY-CONDITION-OBSERVATION lowest cloud base height dimension
Attribute_Definition: The height, above ground level (AGL), of the base of the lowest
cloud.

Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 00000
 Range_Domain_Maximum: 21000
 Attribute_Units_of_Measure: Meters

Attribute:
 Attribute_Label: SKY-CONDITION-OBSERVATION lowest cloud base height quality code
 Attribute_Definition: The code that denotes a quality status of a lowest cloud base
height.

Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Erroneous
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Calculated
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Removed
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: SKY-CONDITION-OBSERVATION mid cloud genus code.

Attribute_Definition: The code that denotes a type of middle level cloud.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: No middle clouds.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Altostratus translucidus.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Altostratus opacus or Nimbostratus.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Altocumulus translucidus at a single
Level.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Patches (often lenticular) of Altocumulus
translucidus, continually changing and occurring at one or more Levels.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Altocumulus translucidus in bands, or one
or more layers of Altocumulus translucidus or opacus, progressively invading the sky; these Altocumulus
clouds generally thicken as a whole.
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Altocumulus cumulogenitus (or
cumulonimbogenitus).
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Altocumulus translucidus or opacus in two
or more layers, or Altocumulus opacus in a single layer, not progressively invading the sky, or Altocumulus
with Altostratus or Nimbostratus
 Enumerated_Domain_Value_Definition_Source: AFCCC

at several levels

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 8  
        Enumerated_Domain_Value_Definition: Altocumulus castellanus or floccus  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 9  
        Enumerated_Domain_Value_Definition: Altocumulus of a chaotic sky; generally  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

```
    Attribute_Label: SKY-CONDITION-OBSERVATION quality high cloud genus code  
    Attribute_Definition: The code that denotes a quality status of a reported high cloud  
type.
```

```
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

Attribute_Label: SKY-CONDITION-OBSERVATION quality low cloud genus code
Attribute_Definition: The code that denotes a quality status of a reported low cloud type.

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:
Attribute_Label: SKY-CONDITION-OBSERVATION quality mid cloud genus code
Attribute_Definition: The code that denotes a quality status of a reported mid cloud type.

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
```

```
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION quality total coverage code
    Attribute_Definition: The code that denotes a quality status of a reported total sky
coverage code.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION quality total lowest cloud cover code
    Attribute_Definition: The code that denotes a quality status of a reported total lowest
cloud cover code.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: SKY-CONDITION-OBSERVATION total coverage code
    Attribute_Definition: The code that denotes the fraction of the total celestial dome
covered by clouds or other obscuring phenomena.
    Attribute_Definition_Source: DDDS
```

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 0  
        Enumerated_Domain_Value_Definition: None, SKC or CLR  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: 3/8 or 4/10  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 6  
        Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 7  
        Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 8  
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 9  
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be  
estimated  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 10  
        Enumerated_Domain_Value_Definition: Partial obscuration  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SKY-CONDITION-OBSERVATION total lowest cloud cover code  
        Attribute_Definition: The code that represents the fraction of the celestial dome covered  
by all low clouds present. If no low clouds are present; the code denotes the fraction covered by all middle  
level clouds present..  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: None, SKC or CLR  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: 3/8 or 4/10  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 6  
                Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 7
```

estimated

```
        Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be
estimated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SNOW ACCUMULATION condition code 1.
    Attribute_Definition: The code that denotes specific conditions associated with the
measurement of the depth of a SNOW ACCUMULATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Snow cover not continuous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Trace
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SNOW ACCUMULATION condition code 2.
    Attribute_Definition: The code that denotes specific conditions associated with the
measurement of the depth of a SNOW ACCUMULATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Snow cover not continuous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Trace  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SNOW ACCUMULATION condition code 3.  
        Attribute_Definition: The code that denotes specific conditions associated with the  
measurement of the depth of a SNOW ACCUMULATION.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Snow cover not continuous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Trace  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SNOW ACCUMULATION condition code 4.  
        Attribute_Definition: The code that denotes specific conditions associated with the  
measurement of the depth of a SNOW ACCUMULATION.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate  
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Snow cover not continuous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Trace  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SNOW ACCUMULATION condition quality code 1.  
        Attribute_Definition: The code that denotes a quality status of the conditions of a SNOW-  
DEPTH condition code.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SNOW ACCUMULATION condition quality code 2.
```

Attribute_Definition: The code that denotes a quality status of the conditions of a SNOW-DEPTH condition code.

```
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

Attribute_Label: SNOW ACCUMULATION condition quality code 3.
 Attribute_Definition: The code that denotes a quality status of the conditions of a SNOW-DEPTH condition code.

```
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
```

```
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SNOW ACCUMULATION condition quality code 4.
    Attribute_Definition: The code that denotes a quality status of the conditions of a SNOW-
DEPTH condition code.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SNOW ACCUMULATION depth dimension 1.
    Attribute_Definition: The depth of a SNOW-ACCUMULATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0
            Range_Domain_Maximum: 500
            Attribute_Units_of_Measure: Centimeters

Attribute:
    Attribute_Label: SNOW ACCUMULATION depth dimension 2.
    Attribute_Definition: The depth of a SNOW-ACCUMULATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0
            Range_Domain_Maximum: 500
            Attribute_Units_of_Measure: Centimeters

Attribute:
    Attribute_Label: SNOW ACCUMULATION depth dimension 3.
    Attribute_Definition: The depth of a SNOW-ACCUMULATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0
            Range_Domain_Maximum: 500
            Attribute_Units_of_Measure: Centimeters

Attribute:
    Attribute_Label: SNOW ACCUMULATION depth dimension 4.
    Attribute_Definition: The depth of a SNOW-ACCUMULATION.
    Attribute_Definition_Source: DDDS
```

```
Attribute_Domain_Values:  
    Range_Domain:  
        Range_Domain_Minimum: 0  
        Range_Domain_Maximum: 500  
        Attribute_Units_of_Measure: Centimeters  
Attribute:  
    Attribute_Label: SNOW ACCUMULATION depth dimension quality code 1.  
    Attribute_Definition: The code that denotes a quality status of the depth dimension of a  
SNOW ACCUMULATION depth dimension.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
Attribute:  
    Attribute_Label: SNOW ACCUMULATION depth dimension quality code 2.  
    Attribute_Definition: The code that denotes a quality status of the depth dimension of a  
SNOW ACCUMULATION depth dimension.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: SNOW ACCUMULATION depth dimension quality code 3.
    Attribute_Definition: The code that denotes a quality status of the depth dimension of a
SNOW ACCUMULATION depth dimension.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SNOW ACCUMULATION depth dimension quality code 4.
        Attribute_Definition: The code that denotes a quality status of the depth dimension of a
SNOW ACCUMULATION depth dimension.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Attribute:  
    Attribute_Label: SNOW-ACCUMULATION period quantity 1.  
    Attribute_Definition: The quantity of time over which the SNOW-ACCUMULATION occurred.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 0  
            Range_Domain_Maximum: 72  
            Attribute_Units_of_Measure: Hours  
  
Attribute:  
    Attribute_Label: SNOW-ACCUMULATION period quantity 2.  
    Attribute_Definition: The quantity of time over which the SNOW-ACCUMULATION occurred.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 0  
            Range_Domain_Maximum: 72  
            Attribute_Units_of_Measure: Hours  
  
Attribute:  
    Attribute_Label: SNOW-ACCUMULATION period quantity 3.  
    Attribute_Definition: The quantity of time over which the SNOW-ACCUMULATION occurred.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 0  
            Range_Domain_Maximum: 72  
            Attribute_Units_of_Measure: Hours  
  
Attribute:  
    Attribute_Label: SNOW-ACCUMULATION period quantity 4.  
    Attribute_Definition: The quantity of time over which the SNOW-ACCUMULATION occurred.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 0  
            Range_Domain_Maximum: 72  
            Attribute_Units_of_Measure: Hours  
  
Attribute:  
    Attribute_Label: SNOW-ACCUMULATION period quantity quality code 1.
```

Attribute_Definition: The code that denotes a quality status of the period quantity of a SNOW-ACCUMULATION period quantity.

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

- Enumerated_Domain:
 - Enumerated_Domain_Value: 0
 - Enumerated_Domain_Value_Definition: Not checked
 - Enumerated_Domain_Value_Definition_Source: AFCCC
- Enumerated_Domain:
 - Enumerated_Domain_Value: 1
 - Enumerated_Domain_Value_Definition: Good
 - Enumerated_Domain_Value_Definition_Source: AFCCC
- Enumerated_Domain:
 - Enumerated_Domain_Value: 2
 - Enumerated_Domain_Value_Definition: Suspect
 - Enumerated_Domain_Value_Definition_Source: AFCCC
- Enumerated_Domain:
 - Enumerated_Domain_Value: 3
 - Enumerated_Domain_Value_Definition: Erroneous
 - Enumerated_Domain_Value_Definition_Source: AFCCC
- Enumerated_Domain:
 - Enumerated_Domain_Value: 4
 - Enumerated_Domain_Value_Definition: Calculated
 - Enumerated_Domain_Value_Definition_Source: AFCCC
- Enumerated_Domain:
 - Enumerated_Domain_Value: 5
 - Enumerated_Domain_Value_Definition: Removed
 - Enumerated_Domain_Value_Definition_Source: AFCCC

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SNOW-ACCUMULATION period quantity quality code 3.  
        Attribute_Definition: The code that denotes a quality status of the period quantity of a  
SNOW-ACCUMULATION period quantity.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated
```

```
    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SNOW-ACCUMULATION period quantity quality code 4.
        Attribute_Definition: The code that denotes a quality status of the period quantity of a
SNOW-ACCUMULATION period quantity.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SNOW-DEPTH condition code.
        Attribute_Definition: The code that denotes specific conditions associated with the
measurement of snow in a PRECIPITATION-OBSERVATION.
        Attribute_Definition_Source: DDDS
```

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Measurement impossible or inaccurate  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Snow cover not continuous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Trace  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: SNOW-DEPTH condition quality code  
    Attribute_Definition: The code that denotes a quality status of the conditions of a SNOW-  
DEPTH condition code.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5
```

```
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SNOW-DEPTH dimension.
        Attribute_Definition: The depth of snow and ice on the ground.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0
                Range_Domain_Maximum: 1200
                Attribute_Units_of_Measure: Centimeters

    Attribute:
        Attribute_Label: SNOW-DEPTH equivalent water depth condition code
        Attribute_Definition: The code that denotes specific conditions associated with the
measurement of the SNOW-DEPTH.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Measurement
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Trace
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SNOW-DEPTH equivalent water depth condition quality code
        Attribute_Definition: The code that denotes a quality status of the condition of a SNOW-
DEPTH equivalent water depth condition
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SNOW-DEPTH equivalent water depth dimension  
        Attribute_Definition: The depth of the liquid content of solid precipitation that has  
accumulated on the ground.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Range_Domain:  
                Range_Domain_Minimum: 000000  
                Range_Domain_Maximum: 120000  
                Attribute_Units_of_Measure: Millimeters  
  
    Attribute:  
        Attribute_Label: SNOW-DEPTH equivalent water depth dimension quality code  
        Attribute_Definition: The code that denotes a quality status of the dimension of a SNOW-  
DEPTH equivalent water depth dimension  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SUNSHINE-OBSERVATION sunshine duration quantity  
        Attribute_Definition: The quantity of time sunshine occurred over the reporting period.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Range_Domain:  
                Range_Domain_Minimum: 0  
                Range_Domain_Maximum: 6000  
                Attribute_Units_of_Measure: Minutes  
  
    Attribute:  
        Attribute_Label: VISIBILITY-OBSERVATION distance dimension  
        Attribute_Definition: The horizontal distance at which an object can be seen and  
identified.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Range_Domain:  
                Range_Domain_Minimum: 0  
                Range_Domain_Maximum: 160000  
                Attribute_Units_of_Measure: Meters  
  
    Attribute:  
        Attribute_Label: VISIBILITY-OBSERVATION distance quality code  
        Attribute_Definition: The code that denotes a quality status of a reported distance of a  
visibility observation.
```

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: VISIBILITY-OBSERVATION quality variability code
    Attribute_Definition: The code that denotes a quality status of a reported VISIBILITY-OBSERVATION variability code.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: VISIBILITY-OBSERVATION variability code
    Attribute_Definition: The code that denotes whether or not the reported visibility is
variable.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: N
            Enumerated_Domain_Value_Definition: Not variable
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: V
            Enumerated_Domain_Value_Definition: Variable
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: WIND-GUST-OBSERVATION quality code
    Attribute_Definition: The code that denotes a quality status of a reported WIND-GUST-
OBSERVATION speed rate.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: WIND-GUST-OBSERVATION speed rate
    Attribute_Definition: The rate of speed of a wind gust.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: .5
            Range_Domain_Maximum: 110
            Attribute_Units_of_Measure: Meters Per Second

Attribute:
    Attribute_Label: WIND-OBSERVATION direction angle
    Attribute_Definition: The angle, measured in a clockwise direction, between true north
and the direction from which the wind is blowing.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 1
            Range_Domain_Maximum: 360
            Attribute_Units_of_Measure: Degrees

Attribute:
    Attribute_Label: WIND-OBSERVATION direction quality code
```

Attribute_Definition: The code that denotes a quality status of a reported WIND-OBSERVATION direction angle

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Suspect

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Erroneous

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Calculated

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Removed

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: WIND-OBSERVATION speed quality code

 Attribute_Definition: The code that denotes a quality status of a reported WIND-OBSERVATION speed rate.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: WIND-OBSERVATION speed rate
    Attribute_Definition: The rate of horizontal travel of air past a fixed point.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0
            Range_Domain_Maximum: 90
            Attribute_Units_of_Measure: Meters Per Second

Attribute:
    Attribute_Label: WIND-OBSERVATION type code
    Attribute_Definition: The code that denotes the character of the WIND-OBSERVATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: C
            Enumerated_Domain_Value_Definition: Calm
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: N
            Enumerated_Domain_Value_Definition: Normal
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: Q
        Enumerated_Domain_Value_Definition: Squall
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: V
        Enumerated_Domain_Value_Definition: Variable
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: WIND-OBSERVATION type quality code 5837
        Attribute_Definition: The code that denotes a quality status of a reported WIND-
OBSERVATION type
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Detailed_Description:
        Entity_Type:
            Entity_Type_Label: CLD_LYR
```

```
Entity_Type_Definition: Cloud Layers
Entity_Type_Definition_Source: DDDS

Attribute:
    Attribute_Label: FIXED_WEATHER_STATION identifier
    Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION. COMMENT:
This field includes all surface reporting stations, including ships, buoys, etc. COMMENT: This field
includes all surface reporting stations, including ships, buoys, etc
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 000000
            Range_Domain_Maximum: 999999
            Attribute_Units_of_Measure: Integer

Attribute:
    Attribute_Label: Security Identification
    Attribute_Definition: The identifier that represents security classification
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Undefined/Unknown
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1-49999
            Enumerated_Domain_Value_Definition: Unclassified
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 50000-59999
            Enumerated_Domain_Value_Definition: For Official Use Only
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 6000-79999
            Enumerated_Domain_Value_Definition: Confidential
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 80000-98999
            Enumerated_Domain_Value_Definition: Secret
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 99000-99499
```

information

```
    Enumerated_Domain_Value_Definition: Top Secret
    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 99500-99999
        Enumerated_Domain_Value_Definition: Top Secret Sensitive Compartmented
                                         Information
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: Distribution Identification
        Attribute_Definition: Indicator of distribution availability
        Attribute_Definition_Source: DoD directive 5230.24
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: A
                Enumerated_Domain_Value_Definition: Approved for public release; distribution
                                                 unlimited
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: D
                Enumerated_Domain_Value_Definition: Distribution authorized to the DoD and US
                                                 DoD contractors only
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: E
                Enumerated_Domain_Value_Definition: Distribution authorized to DoD components
                                                 only
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: Network Type 5923
        Attribute_Definition: The code that denotes the network under which the stations belongs.
        Attribute_Definition_Source: JMOBS DBDD
        Attribute_Domain_Values:
            Codeset_Domain:
                Codeset_Name: Network Type
                Codeset_Source: JMOBS DBDD Appendix B

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER coverage code 1
        Attribute_Definition: The code that denotes the extent of coverage of a BELOW-STATION-
                             CLOUD-LAYER 1
```

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: None, SKC or CLR
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: 3/8 or 4/10
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be
estimated
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER coverage code 2
        Attribute_Definition: The code that denotes the extent of coverage of a BELOW-STATION-
CLOUD-LAYER 1
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: None, SKC or CLR
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: 3/8 or 4/10
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 6
                Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 7
```

```
        Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be
estimated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER coverage code 3
    Attribute_Definition: The code that denotes the extent of coverage of a BELOW-STATION-
CLOUD-LAYER 1
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: None, SKC or CLR
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: 3/8 or 4/10
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 6  
            Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 7  
            Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 8  
            Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 9  
            Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be  
estimated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 10  
            Enumerated_Domain_Value_Definition: Partial obscuration  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: BELOW-STATION-CLOUD-LAYER coverage code 4  
        Attribute_Definition: The code that denotes the extent of coverage of a BELOW-STATION-  
CLOUD-LAYER 1  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: None, SKC or CLR  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2
```

```
        Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: 3/8 or 4/10
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be
estimated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER coverage code 5
    Attribute_Definition: The code that denotes the extent of coverage of a BELOW-STATION-
CLOUD-LAYER 1
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 0  
    Enumerated_Domain_Value_Definition: None, SKC or CLR  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 1  
    Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 2  
    Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 3  
    Enumerated_Domain_Value_Definition: 3/8 or 4/10  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 4  
    Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 5  
    Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 6  
    Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 7  
    Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 8  
    Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 9  
    Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be  
estimated  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER quality coverage code 1
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER coverage code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER quality coverage code 2 6154
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER coverage code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
```

```
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER quality coverage code 3
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER coverage code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER quality coverage code 4
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER coverage code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
```

```
Attribute_Label: BELOW-STATION-CLOUD-LAYER quality coverage code 5
Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER coverage code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 1
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top height dimension
            Attribute_Definition_Source: DDDS
            Attribute_Domain_Values:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 1
```

```
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 2
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 3
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 4
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top height dimension
```

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 4
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 1
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER type code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 2  
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-  
CLOUD-LAYER type code  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 3  
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-  
CLOUD-LAYER type code  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 4  
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-  
CLOUD-LAYER type code  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER quality top height dimension 5
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER type code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
```

```
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER top code 1
        Attribute_Definition: The code that denotes the characteristics of the upper surface of a
BELOW-STATION-CLOUD-LAYER
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Isolated cloud or fragments of clouds
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Continuous flat tops
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Broken cloud - small breaks, flat tops
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Broken cloud - large breaks, flat Tops
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Continuous cloud, undulation tops
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Broken cloud - small breaks, undulating
tops
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 6
                Enumerated_Domain_Value_Definition: Broken cloud - large breaks, undulating
tops
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 7
```

Enumerated_Domain_Value_Definition: Continuous or almost continuous with towering clouds above the top of the layer
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Groups of waves with towering clouds above the top of the layer
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Two or more layers at different levels
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Attribute:
 Attribute_Label: BELOW-STATION-CLOUD-LAYER top code 2
 Attribute_Definition: The code that denotes the characteristics of the upper surface of a BELOW-STATION-CLOUD-LAYER
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Isolated cloud or fragments of clouds
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Continuous flat tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Broken cloud - small breaks, flat tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Broken cloud - large breaks, flat Tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Continuous cloud, undulation tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5

```
        Enumerated_Domain_Value_Definition: Broken cloud - small breaks, undulating
tops
        Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 6
            Enumerated_Domain_Value_Definition: Broken cloud - large breaks, undulating
tops
            Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 7
                Enumerated_Domain_Value_Definition: Continuous or almost continuous with
towering clouds above the top of the layer
                Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 8
                    Enumerated_Domain_Value_Definition: Groups of waves with towering clouds
above the top of the layer
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                    Enumerated_Domain:
                        Enumerated_Domain_Value: 9
                        Enumerated_Domain_Value_Definition: Two or more layers at different levels
                        Enumerated_Domain_Value_Definition_Source: AFCCC

        Attribute:
            Attribute_Label: BELOW-STATION-CLOUD-LAYER top code 3
            Attribute_Definition: The code that denotes the characteristics of the upper surface of a
BELOW-STATION-CLOUD-LAYER
            Attribute_Definition_Source: DDDS
            Attribute_Domain_Values:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Isolated cloud or fragments of clouds
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 1
                    Enumerated_Domain_Value_Definition: Continuous flat tops
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 2
                    Enumerated_Domain_Value_Definition: Broken cloud - small breaks, flat tops
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Broken cloud - large breaks, flat Tops
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Continuous cloud, undulation tops
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Broken cloud - small breaks, undulating
tops
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Broken cloud - large breaks, undulating
tops
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: Continuous or almost continuous with
towering clouds above the top of the layer
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Groups of waves with towering clouds
above the top of the layer
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Two or more layers at different levels
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER top code 4
    Attribute_Definition: The code that denotes the characteristics of the upper surface of a
BELOW-STATION-CLOUD-LAYER
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Isolated cloud or fragments of clouds
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Continuous flat tops  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Broken cloud - small breaks, flat tops  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Broken cloud - large breaks, flat Tops  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Continuous cloud, undulation tops  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Broken cloud - small breaks, undulating  
tops  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 6  
            Enumerated_Domain_Value_Definition: Broken cloud - large breaks, undulating  
tops  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 7  
            Enumerated_Domain_Value_Definition: Continuous or almost continuous with  
towering clouds above the top of the layer  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 8  
            Enumerated_Domain_Value_Definition: Groups of waves with towering clouds  
above the top of the layer  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 9  
            Enumerated_Domain_Value_Definition: Two of more layers at different levels  
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

Attribute_Label: BELOW-STATION-CLOUD-LAYER top code 5
Attribute_Definition: The code that denotes the characteristics of the upper surface of a BELOW-STATION-CLOUD-LAYER
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Isolated cloud or fragments of clouds
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Continuous flat tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Broken cloud - small breaks, flat tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Broken cloud - large breaks, flat Tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Continuous cloud, undulation tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Broken cloud - small breaks, undulating
tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Broken cloud - large breaks, undulating
tops
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Continuous or almost continuous with
towering clouds above the top of the layer
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8

above the top of the layer

 Enumerated_Domain_Value_Definition: Groups of waves with towering clouds
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Two or more layers at different levels
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Attribute:
 Attribute_Label: BELOW-STATION-CLOUD-LAYER top code quality 1
 Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-CLOUD-LAYER top code
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Erroneous
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Calculated
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Removed
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Attribute:
 Attribute_Label: BELOW-STATION-CLOUD-LAYER top code quality 2

```
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

        Attribute:
            Attribute_Label: BELOW-STATION-CLOUD-LAYER top code quality 3
            Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top code
                Attribute_Definition_Source: DDDS
                Attribute_Domain_Values:
                    Enumerated_Domain:
                        Enumerated_Domain_Value: 0
                        Enumerated_Domain_Value_Definition: Not checked
                        Enumerated_Domain_Value_Definition_Source: AFCCC
                    Enumerated_Domain:
                        Enumerated_Domain_Value: 1
                        Enumerated_Domain_Value_Definition: Good
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER top code quality 4
    Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
```

```
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER top code quality 5
        Attribute_Definition: The code that denotes a quality status of a reported BELOW-STATION-
CLOUD-LAYER top code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER top height dimension 1
        Attribute_Definition: The height above mean sea level (MSL) of the top of a BELOW-
STATION-CLOUD-LAYER.
```

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Range_Domain:
        Range_Domain_Minimum: 00000
        Range_Domain_Maximum: 35999
        Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER top height dimension 2
    Attribute_Definition: The height above mean sea level (MSL) of the top of a BELOW-
STATION-CLOUD-LAYER.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 00000
            Range_Domain_Maximum: 35999
            Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER top height dimension 3
    Attribute_Definition: The height above mean sea level (MSL) of the top of a BELOW-
STATION-CLOUD-LAYER.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 00000
            Range_Domain_Maximum: 35999
            Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER top height dimension 4
    Attribute_Definition: The height above mean sea level (MSL) of the top of a BELOW-
STATION-CLOUD-LAYER.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 00000
            Range_Domain_Maximum: 35999
            Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: BELOW-STATION-CLOUD-LAYER top height dimension 5
```

Attribute_Definition: The height above mean sea level (MSL) of the top of a BELOW-STATION-CLOUD-LAYER.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Range_Domain:

 Range_Domain_Minimum: 00000

 Range_Domain_Maximum: 35999

 Attribute_Units_of_Measure: Meters

 Attribute:

 Attribute_Label: BELOW-STATION-CLOUD-LAYER type code 1

 Attribute_Definition: The code that denotes the classification of the clouds that comprise a BELOW-STATION-CLOUD-LAYER.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Cirrus

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Cirrocumulus

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Cirrostratus

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Altocumulus

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Altostratus

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Nimbostratus

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 6

 Enumerated_Domain_Value_Definition: Stratocumulus

 Enumerated_Domain_Value_Definition_Source: AFCCC

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 7  
            Enumerated_Domain_Value_Definition: Stratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 8  
            Enumerated_Domain_Value_Definition: Cumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 9  
            Enumerated_Domain_Value_Definition: Cumulonimbus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 10  
            Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,  
dust storm, sandstorm, or other analogous phenomena  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: BELOW-STATION-CLOUD-LAYER type code 2  
        Attribute_Definition: The code that denotes the classification of the clouds that  
comprise a BELOW-STATION-CLOUD-LAYER.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Cirrus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Cirrocumulus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Cirrostratus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Altocumulus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4
```

```
        Enumerated_Domain_Value_Definition: Altostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Nimbostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Stratocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: Stratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Cumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Cumulonimbus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,
dust storm, sandstorm, or other analogous phenomena
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: BELOW-STATION-CLOUD-LAYER type code 3
        Attribute_Definition: The code that denotes the classification of the clouds that
comprise a BELOW-STATION-CLOUD-LAYER.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Cirrus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Cirrocumulus
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Cirrostratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Altocumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Altostratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Nimbostratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 6  
            Enumerated_Domain_Value_Definition: Stratocumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 7  
            Enumerated_Domain_Value_Definition: Stratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 8  
            Enumerated_Domain_Value_Definition: Cumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 9  
            Enumerated_Domain_Value_Definition: Cumulonimbus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 10  
            Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,  
dust storm, sandstorm, or other analogous phenomena  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: BELOW-STATION-CLOUD-LAYER type code 4  
            Attribute_Definition: The code that denotes the classification of the clouds that  
comprise a BELOW-STATION-CLOUD-LAYER.
```

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Cirrus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Cirrocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Cirrostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Altocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Altostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Nimbostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Stratocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: Stratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Cumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Cumulonimbus
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 10  
            Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,  
dust storm, sandstorm, or other analogous phenomena  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: BELOW-STATION-CLOUD-LAYER type code 5  
            Attribute_Definition: The code that denotes the classification of the clouds that  
comprise a BELOW-STATION-CLOUD-LAYER.  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0  
                    Enumerated_Domain_Value_Definition: Cirrus  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 1  
                    Enumerated_Domain_Value_Definition: Cirrocumulus  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 2  
                    Enumerated_Domain_Value_Definition: Cirrostratus  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 3  
                    Enumerated_Domain_Value_Definition: Altocumulus  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 4  
                    Enumerated_Domain_Value_Definition: Altostratus  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 5  
                    Enumerated_Domain_Value_Definition: Nimbostratus  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 6  
                    Enumerated_Domain_Value_Definition: Stratocumulus  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 7
```

```
        Enumerated_Domain_Value_Definition: Stratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Cumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Cumulonimbus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,
dust storm, sandstorm, or other analogous phenomena
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION date 7056
        Attribute_Definition: The date and time of a GEOPHYSICAL-POINT-OBSERVATION.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 000001010000
                Range_Domain_Maximum: 999912312359
                Attribute_Units_of_Measure: Year, Month, Day, Hour, Minute

    Attribute:
        Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION latitude coordinate
        Attribute_Definition: The latitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where
southern hemisphere is negative.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: -90.0000000
                Range_Domain_Maximum: 90.0000000
                Attribute_Units_of_Measure: Degrees

    Attribute:
        Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION longitude coordinate
        Attribute_Definition: The longitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where
values west from 000.000 to 179.999 are signed negative.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
```

```
Range_Domain:  
    Range_Domain_Minimum: -179.999999  
    Range_Domain_Maximum: 180.000000  
    Attribute_Units_of_Measure: Degrees  
  
Attribute:  
    Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION month  
    Attribute_Definition: The month of a GEOPHYSICAL-POINT-OBSERVATION.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 1  
            Range_Domain_Maximum: 12  
            Attribute_Units_of_Measure: Month  
  
Attribute:  
    Attribute_Label: GEOPHYSICAL-REPORT-TYPE code  
    Attribute_Definition: The code that denotes the type of geophysical surface observation.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: FM-12  
            Enumerated_Domain_Value_Definition: SYNOP Report of surface observation from  
a fixed land station  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: FM-13  
            Enumerated_Domain_Value_Definition: SHIP Report of surface observation from a  
sea station  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: FM-14  
            Enumerated_Domain_Value_Definition: SYNOP MOBIL Report of surface observation  
from a mobile land station  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: FM-15  
            Enumerated_Domain_Value_Definition: METAR Aviation routine weather report  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: FM-16  
            Enumerated_Domain_Value_Definition: SPECI Aviation selected special weather  
report  
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: FM-18  
        Enumerated_Domain_Value_Definition: BUOY Report of a buoy observation  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: SAO  
        Enumerated_Domain_Value_Definition: Airways report (includes record specials)  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: SAOSP  
        Enumerated_Domain_Value_Definition: Airways special report (excluding record  
specials)  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: AERO  
        Enumerated_Domain_Value_Definition: Aerological report  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: AUTO  
        Enumerated_Domain_Value_Definition: Report from an automatic station  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SKY-COVER-LAYER base height dimension 1  
        Attribute_Definition: The height relative to a VERTICAL-REFERENCE-DATUM of the lowest  
surface of a cloud.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Range_Domain:  
                Range_Domain_Minimum: -400  
                Range_Domain_Maximum: 35000  
                Attribute_Units_of_Measure: Meters  
  
    Attribute:  
        Attribute_Label: SKY-COVER-LAYER base height dimension 2  
        Attribute_Definition: The height relative to a VERTICAL-REFERENCE-DATUM of the lowest  
surface of a cloud.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Range_Domain:  
                Range_Domain_Minimum: -400  
                Range_Domain_Maximum: 35000
```

```
        Attribute_Units_of_Measure: Meters

    Attribute:
        Attribute_Label: SKY-COVER-LAYER base height dimension 3
        Attribute_Definition: The height relative to a VERTICAL-REFERENCE-DATUM of the lowest
surface of a cloud.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: -400
                Range_Domain_Maximum: 35000
                Attribute_Units_of_Measure: Meters

    Attribute:
        Attribute_Label: SKY-COVER-LAYER base height dimension 4
        Attribute_Definition: The height relative to a VERTICAL-REFERENCE-DATUM of the lowest
surface of a cloud.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: -400
                Range_Domain_Maximum: 35000
                Attribute_Units_of_Measure: Meters

    Attribute:
        Attribute_Label: SKY-COVER-LAYER base height dimension 5
        Attribute_Definition: The height relative to a VERTICAL-REFERENCE-DATUM of the lowest
surface of a cloud.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: -400
                Range_Domain_Maximum: 35000
                Attribute_Units_of_Measure: Meters

    Attribute:
        Attribute_Label: SKY-COVER-LAYER base height dimension 6
        Attribute_Definition: The height relative to a VERTICAL-REFERENCE-DATUM of the lowest
surface of a cloud.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
```

```
    Range_Domain_Minimum: -400
    Range_Domain_Maximum: 35000
    Attribute_Units_of_Measure: Meters

    Attribute:
        Attribute_Label: SKY-COVER-LAYER cloud type code 1
        Attribute_Definition: The code that denotes the classification of the clouds that
comprise a SKY-COVER-LAYER.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Cirrus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Cirrocumulus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Cirrostratus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Altocumulus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Altostratus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Nimbostratus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 6
                Enumerated_Domain_Value_Definition: Stratocumulus
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 7
                Enumerated_Domain_Value_Definition: Stratus
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 8  
            Enumerated_Domain_Value_Definition: Cumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 9  
            Enumerated_Domain_Value_Definition: Cumulonimbus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 10  
            Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,  
dust storm, sandstorm, or other analogous phenomena  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SKY-COVER-LAYER cloud type code 2  
        Attribute_Definition: The code that denotes the classification of the clouds that  
comprise a SKY-COVER-LAYER.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Cirrus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Cirrocumulus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Cirrostratus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Altocumulus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Altostratus  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5
```

```
        Enumerated_Domain_Value_Definition: Nimbostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Stratocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: Stratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Cumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Cumulonimbus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,
dust storm, sandstorm, or other analogous phenomena
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

```
    Attribute_Label: SKY-COVER-LAYER cloud type code 4
    Attribute_Definition: The code that denotes the classification of the clouds that
comprise a SKY-COVER-LAYER.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Cirrus
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Cirrocumulus
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Cirrostratus
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Altocumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Altostratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Nimbostratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 6  
            Enumerated_Domain_Value_Definition: Stratocumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 7  
            Enumerated_Domain_Value_Definition: Stratus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 8  
            Enumerated_Domain_Value_Definition: Cumulus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 9  
            Enumerated_Domain_Value_Definition: Cumulonimbus  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 10  
            Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,  
dust storm, sandstorm, or other analogous phenomena  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: SKY-COVER-LAYER cloud type code 6  
            Attribute_Definition: The code that denotes the classification of the clouds that  
comprise a SKY-COVER-LAYER.  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0
```

```
        Enumerated_Domain_Value_Definition: Cirrus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Cirrocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Cirrostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Altocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Altostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Nimbostratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Stratocumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: Stratus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Cumulus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Cumulonimbus
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Cloud not visible owing to darkness, fog,
dust storm, sandstorm, or other analogous phenomena
```

Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: SKY-COVER-LAYER coverage code 1

 Attribute_Definition: The code that denotes the fraction of the total celestial dome covered by a SKY-COVER-LAYER.

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: None, SKC or CLR

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: 3/8 or 4/10

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 6

 Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 7

 Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 8

```
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be
estimated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-LAYER coverage code 2
        Attribute_Definition: The code that denotes the fraction of the total celestial dome
covered by a SKY-COVER-LAYER.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: None, SKC or CLR
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: 3/8 or 4/10
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

estimated

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 6  
    Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 7  
    Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 8  
    Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 9  
    Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be  
estimated  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 10  
    Enumerated_Domain_Value_Definition: Partial obscuration  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: SKY-COVER-LAYER coverage code 3  
    Attribute_Definition: The code that denotes the fraction of the total celestial dome  
covered by a SKY-COVER-LAYER.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: None, SKC or CLR  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3
```

```
        Enumerated_Domain_Value_Definition: 3/8 or 4/10
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be
estimated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-LAYER coverage code 4
    Attribute_Definition: The code that denotes the fraction of the total celestial dome
covered by a SKY-COVER-LAYER.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: None, SKC or CLR
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Enumerated_Domain:  
    Enumerated_Domain_Value: 1  
    Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 2  
    Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 3  
    Enumerated_Domain_Value_Definition: 3/8 or 4/10  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 4  
    Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 5  
    Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 6  
    Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 7  
    Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 8  
    Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 9  
    Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be  
estimated  
    Enumerated_Domain_Value_Definition_Source: AFCCC  
Enumerated_Domain:  
    Enumerated_Domain_Value: 10  
    Enumerated_Domain_Value_Definition: Partial obscuration  
    Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:
 Attribute_Label: SKY-COVER-LAYER coverage code 5
 Attribute_Definition: The code that denotes the fraction of the total celestial dome covered by a SKY-COVER-LAYER.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: None, SKC or CLR
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: 3/8 or 4/10
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
 Enumerated_Domain_Value_Definition_Source: AFCCC

estimated

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 9  
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be  
estimated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 10  
        Enumerated_Domain_Value_Definition: Partial obscuration  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SKY-COVER-LAYER coverage code 6  
        Attribute_Definition: The code that denotes the fraction of the total celestial dome  
covered by a SKY-COVER-LAYER.  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: None, SKC or CLR  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: 1/8, 1/10 or less but not zero  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: 2/8, 2/10 3/10 or FEW  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: 3/8 or 4/10  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: 4/8, 5/10 or SCT  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: 5/8, 6/10 or BKN  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 6
```

```
        Enumerated_Domain_Value_Definition: 6/8, 7/10 8/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: 7/8, 9/10 or more but not 10/10 or BKN
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: 8/8, 10/10 or OVC
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Sky obscured or cloud amount can't be
estimated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Partial obscuration
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-LAYER quality base height dimension 1
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER base height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SKY-COVER-LAYER quality base height dimension 2  
        Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-  
LAYER base height dimension  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
    Attribute:  
        Attribute_Label: SKY-COVER-LAYER quality base height dimension 3
```

```
Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER base height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-LAYER quality base height dimension 4
        Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER base height dimension
            Attribute_Definition_Source: DDDS
            Attribute_Domain_Values:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 1
                    Enumerated_Domain_Value_Definition: Good
```

```
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 2
    Enumerated_Domain_Value_Definition: Suspect
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 3
    Enumerated_Domain_Value_Definition: Erroneous
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 4
    Enumerated_Domain_Value_Definition: Calculated
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 5
    Enumerated_Domain_Value_Definition: Removed
    Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-LAYER quality base height dimension 5
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER base height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
```

```
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-LAYER quality base height dimension 6
        Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER base height dimension
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-LAYER quality cloud type code 1
        Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER cloud type code
```

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain_Value: 0
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-LAYER quality cloud type code 2
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER cloud type code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-LAYER quality cloud type code 3
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER cloud type code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: SKY-COVER-LAYER quality cloud type code 4  
            Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-  
LAYER cloud type code  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0  
                    Enumerated_Domain_Value_Definition: Not checked  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 1  
                    Enumerated_Domain_Value_Definition: Good  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 2  
                    Enumerated_Domain_Value_Definition: Suspect  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 3  
                    Enumerated_Domain_Value_Definition: Erroneous  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 4  
                    Enumerated_Domain_Value_Definition: Calculated  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 5  
                    Enumerated_Domain_Value_Definition: Removed  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
  
        Attribute:  
            Attribute_Label: SKY-COVER-LAYER quality cloud type code 5  
            Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-  
LAYER cloud type code  
            Attribute_Definition_Source: DDDS  
            Attribute_Domain_Values:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0
```

```
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-LAYER quality cloud type code 6
        Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER cloud type code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-LAYER quality coverage code 1
        Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER coverage code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Attribute:  
    Attribute_Label: SKY-COVER-LAYER quality coverage code 2  
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-  
LAYER coverage code  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: SKY-COVER-LAYER quality coverage code 3  
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-  
LAYER coverage code  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Good  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Suspect  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Erroneous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: SKY-COVER-LAYER quality coverage code 4  
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-  
LAYER coverage code  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-LAYER quality coverage code 5
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER coverage code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
```

```
Attribute_Label: SKY-COVER-LAYER quality coverage code 6
Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
LAYER coverage code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE characteristic code 1
    Attribute_Definition: The code that represents a characteristic of a specific cloud or
other obscuring phenomena layer.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Variable height
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Variable amount
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Thin clouds
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-SUMMATION-STATE characteristic code 2
        Attribute_Definition: The code that represents a characteristic of a specific cloud or
other obscuring phenomena layer.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Variable height
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Variable amount
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Thin clouds
                Enumerated_Domain_Value_Definition_Source: AFCCC

        Attribute:
            Attribute_Label: SKY-COVER-SUMMATION-STATE characteristic code 3
            Attribute_Definition: The code that represents a characteristic of a specific cloud or
other obscuring phenomena layer.
            Attribute_Definition_Source: DDDS
            Attribute_Domain_Values:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 1
                    Enumerated_Domain_Value_Definition: Variable height
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 2
                    Enumerated_Domain_Value_Definition: Variable amount
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 3
```

Enumerated_Domain_Value_Definition: Thin clouds
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: SKY-COVER-SUMMATION-STATE characteristic code 4
 Attribute_Definition: The code that represents a characteristic of a specific cloud or other obscuring phenomena layer.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Variable height
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Variable amount
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Thin clouds
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: SKY-COVER-SUMMATION-STATE coverage code 1
 Attribute_Definition: The code that denotes the portion of the total celestial dome covered by all layers of clouds and obscuring phenomena at or below a given height.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Clear - No coverage
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: FEW - 2/8 or less coverage (not including zero)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: SCATTERED - 3/8-4/8 coverage
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3

```
        Enumerated_Domain_Value_Definition: BROKEN - 5/8-7/8 coverage
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: OVERCAST - 8/8 coverage
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: OBSCURED
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: PARTIALLY OBSCURED
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE coverage code 2
    Attribute_Definition: The code that denotes the portion of the total celestial dome
covered by all layers of clouds and obscuring phenomena at or below a given height.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Clear - No coverage
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: FEW - 2/8 or less coverage (not including
zero)
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: SCATTERED - 3/8-4/8 coverage
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: BROKEN - 5/8-7/8 coverage
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: OVERCAST - 8/8 coverage
            Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: OBSCURED
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: PARTIALLY OBSCURED
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-SUMMATION-STATE coverage code 3
        Attribute_Definition: The code that denotes the portion of the total celestial dome
covered by all layers of clouds and obscuring phenomena at or below a given height.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Clear - No coverage
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: FEW - 2/8 or less coverage (not including
zero)
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: SCATTERED - 3/8-4/8 coverage
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: BROKEN - 5/8-7/8 coverage
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: OVERCAST - 8/8 coverage
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: OBSCURED
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 6
                Enumerated_Domain_Value_Definition: PARTIALLY OBSCURED
```

Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: SKY-COVER-SUMMATION-STATE coverage code 4
 Attribute_Definition: The code that denotes the portion of the total celestial dome covered by all layers of clouds and obscuring phenomena at or below a given height.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Clear - No coverage
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: FEW - 2/8 or less coverage (not including zero)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: SCATTERED - 3/8-4/8 coverage
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: BROKEN - 5/8-7/8 coverage
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: OVERCAST - 8/8 coverage
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: OBSCURED
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: PARTIALLY OBSCURED
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: SKY-COVER-SUMMATION-STATE height dimension 1
 Attribute_Definition: The height above ground level (AGL) of the base of the cloud layer or obscuring phenomena.

```
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Range_Domain:
        Range_Domain_Minimum: -400
        Range_Domain_Maximum: 35000
        Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE height dimension 2
    Attribute_Definition: The height above ground level (AGL) of the base of the cloud layer
or obscuring phenomena.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: -400
            Range_Domain_Maximum: 35000
            Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE height dimension 3
    Attribute_Definition: The height above ground level (AGL) of the base of the cloud layer
or obscuring phenomena.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: -400
            Range_Domain_Maximum: 35000
            Attribute_Units_of_Measure: Meters

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE height dimension 4
    Attribute_Definition: The height above ground level (AGL) of the base of the cloud layer
or obscuring phenomena.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: -400
            Range_Domain_Maximum: 35000
            Attribute_Units_of_Measure: Meters

Attribute:
```

```
Attribute_Label: SKY-COVER-SUMMATION-STATE quality characteristic code 1
Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE characteristic code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SKY-COVER-SUMMATION-STATE quality characteristic code 2
        Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE characteristic code
            Attribute_Definition_Source: DDDS
            Attribute_Domain_Values:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
                Enumerated_Domain:
                    Enumerated_Domain_Value: 1
```

```
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality characteristic code 3
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE characteristic code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality characteristic code 4
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE characteristic code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality coverage code 1
```

Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-SUMMATION-STATE coverage code

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Suspect

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Erroneous

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Calculated

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Removed

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: SKY-COVER-SUMMATION-STATE quality coverage code 2

 Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-SUMMATION-STATE coverage code

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

```
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 2
    Enumerated_Domain_Value_Definition: Suspect
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 3
    Enumerated_Domain_Value_Definition: Erroneous
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 4
    Enumerated_Domain_Value_Definition: Calculated
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 5
    Enumerated_Domain_Value_Definition: Removed
    Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality coverage code 3
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE coverage code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality coverage code 4
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE coverage code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality height dimension 1
```

```
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE height dimension
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

        Attribute:
            Attribute_Label: SKY-COVER-SUMMATION-STATE quality height dimension 2
            Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE height dimension
                Attribute_Definition_Source: DDDS
                Attribute_Domain_Values:
                    Enumerated_Domain:
                        Enumerated_Domain:
                            Enumerated_Domain_Value: 0
                            Enumerated_Domain_Value_Definition: Not checked
                            Enumerated_Domain_Value_Definition_Source: AFCCC
                    Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality height dimension 3
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
```

```
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 4
    Enumerated_Domain_Value_Definition: Calculated
    Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
    Enumerated_Domain_Value: 5
    Enumerated_Domain_Value_Definition: Removed
    Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SKY-COVER-SUMMATION-STATE quality height dimension 4
    Attribute_Definition: The code that denotes a quality status of a reported SKY-COVER-
SUMMATION-STATE height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Detailed_Description:
Entity_Type:
 Entity_Type_Label: EXTREMES
 Entity_Type_Definition: Extreme Air Temperature
 Entity_Type_Definition_Source: AFCCC
Attribute:
 Attribute_Label: FIXED_WEATHER_STATION identifier
 Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION. COMMENT:
This field includes all surface reporting stations, including ships, buoys, etc. COMMENT: This field
includes all surface reporting stations, including ships, buoys, etc
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000000
 Range_Domain_Maximum: 999999
 Attribute_Units_of_Measure: Integer

Attribute:
 Attribute_Label: Security Identification
 Attribute_Definition: The identifier that represents security classification
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Undefined/Unknown
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1-49999
 Enumerated_Domain_Value_Definition: Unclassified
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 50000-59999
 Enumerated_Domain_Value_Definition: For Official Use Only
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6000-79999
 Enumerated_Domain_Value_Definition: Confidential
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 80000-98999
 Enumerated_Domain_Value_Definition: Secret
 Enumerated_Domain_Value_Definition_Source: AFCCC

information

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 99000-99499  
        Enumerated_Domain_Value_Definition: Top Secret  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 99500-99999  
        Enumerated_Domain_Value_Definition: Top Secret Sensitive Compartmented  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: Distribution Identification  
    Attribute_Definition: Indicator of distribution availability  
    Attribute_Definition_Source: DoD directive 5230.24  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: A  
            Enumerated_Domain_Value_Definition: Approved for public release; distribution  
unlimited  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: D  
            Enumerated_Domain_Value_Definition: Distribution authorized to the DoD and US  
DoD contractors only  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: E  
            Enumerated_Domain_Value_Definition: Distribution authorized to DoD components  
only  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: Network Type 8624  
    Attribute_Definition: The code that denotes the network under which the stations belongs.  
    Attribute_Definition_Source: JMOBS DBDD  
    Attribute_Domain_Values:  
        Codeset_Domain:  
            Codeset_Name: Network Type  
            Codeset_Source: JMOBS DBDD Appendix B  
  
Attribute:  
    Attribute_Label: EXTREME-AIR-TEMPERATURE code 1
```

Attribute_Definition: The code that denotes an EXTREME-AIR-TEMPERATURE as a maximum or a minimum.

Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: N
 Enumerated_Domain_Value_Definition: Minimum temperature
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: M
 Enumerated_Domain_Value_Definition: Maximum temperature
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: EXTREME-AIR-TEMPERATURE code 2
 Attribute_Definition: The code that denotes an EXTREME-AIR-TEMPERATURE as a maximum or a minimum.

Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: N
 Enumerated_Domain_Value_Definition: Minimum temperature
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: M
 Enumerated_Domain_Value_Definition: Maximum temperature
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: EXTREME-AIR-TEMPERATURE period quantity 1
 Attribute_Definition: The quantity of time over which temperatures were sampled to determine the EXTREME-AIR-TEMPERATURE.

Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Maximum: 48
 Attribute_Units_of_Measure: Hours

Attribute:
 Attribute_Label: EXTREME-AIR-TEMPERATURE period quantity 2

Attribute_Definition: The quantity of time over which temperatures were sampled to determine the EXTREME-AIR-TEMPERATURE.

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 1

Range_Domain_Maximum: 48

Attribute_Units_of_Measure: Hours

Attribute:

Attribute_Label: EXTREME-AIR-TEMPERATURE quality code 1

Attribute_Definition: The code that denotes a quality status of a reported EXTREME-AIR-TEMPERATURE code

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: Not checked

Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: Good

Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition: Suspect

Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:

Enumerated_Domain_Value: 3

Enumerated_Domain_Value_Definition: Erroneous

Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:

Enumerated_Domain_Value: 4

Enumerated_Domain_Value_Definition: Calculated

Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:

Enumerated_Domain_Value: 5

Enumerated_Domain_Value_Definition: Removed

Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: EXTREME-AIR-TEMPERATURE quality code 2

```
TEMPERATURE code
    Attribute_Definition: The code that denotes a quality status of a reported EXTREME-AIR-
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: EXTREME-AIR-TEMPERATURE quality period quantity 1
        Attribute_Definition: The code that denotes a quality status of a reported EXTREME-AIR-
    TEMPERATURE period quantity
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: EXTREME-AIR-TEMPERATURE quality period quantity 2
    Attribute_Definition: The code that denotes a quality status of a reported EXTREME-AIR-
TEMPERATURE period quantity
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: EXTREME-AIR-TEMPERATURE quality temperature 1  
    Attribute_Definition: The code that denotes a quality status of a reported EXTREME-AIR-  
TEMPERATURE temperature  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:
```

```
Attribute_Label: EXTREME-AIR-TEMPERATURE quality temperature 2
Attribute_Definition: The code that denotes a quality status of a reported EXTREME-AIR-
TEMPERATURE temperature
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: EXTREME-AIR-TEMPERATURE temperature 1
    Attribute_Definition: The temperature of the high or low air temperature for a given
period.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: -110
            Range_Domain_Maximum: 63
            Attribute_Units_of_Measure: Degrees Celsius
```

Attribute:
 Attribute_Label: EXTREME-AIR-TEMPERATURE temperature 2
 Attribute_Definition: The temperature of the high or low air temperature for a given period.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: -110
 Range_Domain_Maximum: 63
 Attribute_Units_of_Measure: Degrees Celsius

Attribute:
 Attribute_Label: FIXED_WEATHER_STATION identifier
 Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000000
 Range_Domain_Maximum: 999999
 Attribute_Units_of_Measure: interger

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION date
 Attribute_Definition: The date and time of a GEOPHYSICAL-POINT-OBSERVATION.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000001010000
 Range_Domain_Maximum: 999912312359
 Attribute_Units_of_Measure: Year, Month, Day, Hour, Minute

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION latitude coordinate
 Attribute_Definition: The latitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where southern hemisphere is negative.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: -90.0000000
 Range_Domain_Maximum: 90.0000000
 Attribute_Units_of_Measure: Degrees

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION longitude coordinate
 Attribute_Definition: The longitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where values west from 000.000000 to 179.999999 are signed negative.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: -179.999999
 Range_Domain_Maximum: 180.000000
 Attribute_Units_of_Measure: Degrees

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION month
 Attribute_Definition: The month of a GEOPHYSICAL-POINT-OBSERVATION
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Maximum: 12
 Attribute_Units_of_Measure: month

Attribute:
 Attribute_Label: GEOPHYSICAL-REPORT-TYPE code
 Attribute_Definition: The code that denotes the type of geophysical surface observation.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-12
 Enumerated_Domain_Value_Definition: SYNOP Report of surface observation from a fixed land station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-13
 Enumerated_Domain_Value_Definition: SHIP Report of surface observation from a sea station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-14
 Enumerated_Domain_Value_Definition: SYNOP MOBIL Report of surface observation from a mobile land station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: FM-15
        Enumerated_Domain_Value_Definition: METAR Aviation routine weather report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: FM-16
        Enumerated_Domain_Value_Definition: SPECI Aviation selected special weather
report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: FM-18
        Enumerated_Domain_Value_Definition: BUOY Report of a buoy observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: SAO
        Enumerated_Domain_Value_Definition: Airways report (includes record specials)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: SAOSP
        Enumerated_Domain_Value_Definition: Airways special report (excluding record
specials)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: AERO
        Enumerated_Domain_Value_Definition: Aerological report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: AUTO
        Enumerated_Domain_Value_Definition: Report from an automatic station
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION period quantity 1
    Attribute_Definition: The quantity of time over which a SUPPLEMENTARY-WIND-OBSERVATION
occurred.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 1
            Range_Domain_Maximum: 48
            Attribute_Units_of_Measure: Hours

Attribute:
```

Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION period quantity 2
Attribute_Definition: The quantity of time over which a SUPPLEMENTARY-WIND-OBSERVATION occurred.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Maximum: 48
 Attribute_Units_of_Measure: Hours

Attribute:
 Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION period quantity 3
 Attribute_Definition: The quantity of time over which a SUPPLEMENTARY-WIND-OBSERVATION occurred.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Maximum: 48
 Attribute_Units_of_Measure: Hours

Attribute:
 Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality period quantity 1
 Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-WIND-OBSERVATION period quantity
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3

```
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality period quantity 2
    Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-
WIND-OBSERVATION period quantity
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

 Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality period quantity 3

 Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-WIND-OBSERVATION period quantity

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Suspect

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Erroneous

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Calculated

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Removed

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality speed rate 1

 Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-WIND-OBSERVATION speed rate

 Attribute_Definition_Source: DDDS

 Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

```
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality speed rate 2
        Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-
WIND-OBSERVATION speed rate
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Erroneous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality speed rate 3  
    Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-  
WIND-OBSERVATION speed rate  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5
```

```
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality type code 1
        Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-
WIND-OBSERVATION speed rate
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Erroneous
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Calculated
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Removed
                Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality type code 2
        Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-
WIND-OBSERVATION speed rate
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
```

```
        Enumerated_Domain:  
        Enumerated_Domain_Value: 0  
        Enumerated_Domain_Value_Definition: Not checked  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Good  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Suspect  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Erroneous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION quality type code 3  
    Attribute_Definition: The code that denotes a quality status of a reported SUPPLEMENTARY-WIND-OBSERVATION speed rate  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2
```

```
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION speed rate 1
        Attribute_Definition: The rate of horizontal speed of air reported in the SUPPLEMENTARY-
WIND-OBSERVATION.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0
                Range_Domain_Maximum: 200
                Attribute_Units_of_Measure: Meters per Second

    Attribute:
        Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION speed rate 2
        Attribute_Definition: The rate of horizontal speed of air reported in the SUPPLEMENTARY-
WIND-OBSERVATION.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0
                Range_Domain_Maximum: 200
                Attribute_Units_of_Measure: Meters per Second

    Attribute:
        Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION speed rate 3
        Attribute_Definition: The rate of horizontal speed of air reported in the SUPPLEMENTARY-
WIND-OBSERVATION.
        Attribute_Definition_Source: DDDS
```

```
Attribute_Domain_Values:  
    Range_Domain:  
        Range_Domain_Minimum: 0  
        Range_Domain_Maximum: 200  
        Attribute_Units_of_Measure: Meters per Second  
  
Attribute:  
    Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION type code 1  
    Attribute_Definition: The code that denotes a type of SUPPLEMENTARY-WIND-OBSERVATION.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Average speed of prevailing wind  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Mean wind speed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Maximum instantaneous wind speed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Maximum gust speed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Maximum mean wind speed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 6  
            Enumerated_Domain_Value_Definition: Maximum 1-minute mean windspeed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION type code 2  
    Attribute_Definition: The code that denotes a type of SUPPLEMENTARY-WIND-OBSERVATION.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Average speed of prevailing wind
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Mean wind speed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Maximum instantaneous wind speed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Maximum gust speed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Maximum mean wind speed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Maximum 1-minute mean windspeed
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

```
    Attribute_Label: SUPPLEMENTARY-WIND-OBSERVATION type code 3
    Attribute_Definition: The code that denotes a type of SUPPLEMENTARY-WIND-OBSERVATION.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Average speed of prevailing wind
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Mean wind speed
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Maximum instantaneous wind speed
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Maximum gust speed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Maximum mean wind speed
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Maximum 1-minute mean windspeed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Detailed_Description:
Entity_Type:
    Entity_Type_Label: OCN_MEAS
    Entity_Type_Definition: Ocean Measurements
    Entity_Type_Definition_Source: DDDS

Attribute:
    Attribute_Label: Security Identification
    Attribute_Definition: The identifier that represents security classification
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Undefined/Unknown
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1-49999
            Enumerated_Domain_Value_Definition: Unclassified
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 50000-59999
            Enumerated_Domain_Value_Definition: For Official Use Only
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 6000-79999
            Enumerated_Domain_Value_Definition: Confidential
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 80000-98999
            Enumerated_Domain_Value_Definition: Secret
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 99000-99499
        Enumerated_Domain_Value_Definition: Top Secret
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 99500-99999
        Enumerated_Domain_Value_Definition: Top Secret Sensitive Compartmented
information
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: Distribution Identification
    Attribute_Definition: Indicator of distribution availability
    Attribute_Definition_Source: DoD directive 5230.24
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: A
            Enumerated_Domain_Value_Definition: Approved for public release; distribution
unlimited
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: D
            Enumerated_Domain_Value_Definition: Distribution authorized to the DoD and US
DoD contractors only
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: E
            Enumerated_Domain_Value_Definition: Distribution authorized to DoD components
only
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: Network Type
    Attribute_Definition: The code that denotes the network under which the stations belongs.
    Attribute_Definition_Source: JMOBS DBDD
    Attribute_Domain_Values:
        Codeset_Domain:
            Codeset_Name: Network Type
            Codeset_Source: JMOBS DBDD Appendix B

Attribute:
```

Attribute_Label: FIXED_WEATHER_STATION identifier
Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION. COMMENT:
This field includes all surface reporting stations, including ships, buoys, etc. COMMENT: This field
includes all surface reporting stations, including ships, buoys, etc
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000000
 Range_Domain_Maximum: 999999
 Attribute_Units_of_Measure: Integer

Attribute:
 Attribute_Label: FIXED_WEATHER_STATION identifier
 Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000000
 Range_Domain_Maximum: 999999
 Attribute_Units_of_Measure: Integer

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION date
 Attribute_Definition: The date and time of a GEOPHYSICAL-POINT-OBSERVATION.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000001010000
 Range_Domain_Maximum: 999912312359
 Attribute_Units_of_Measure: Year,Month,Day,Hour,Minute

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION latitude coordinate
 Attribute_Definition: The latitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where
southern hemisphere is negative.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: -90.0000000
 Range_Domain_Maximum: 90.0000000
 Attribute_Units_of_Measure: Degrees

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION longitude coordinate
 Attribute_Definition: The longitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where values west from 000.000000 to 179.999999 are signed negative.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: -179.999999
 Range_Domain_Maximum: 180.000000
 Attribute_Units_of_Measure: Degrees

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION month
 Attribute_Definition: The month of a GEOPHYSICAL-POINT-OBSERVATION
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Maximum: 12
 Attribute_Units_of_Measure: Months

Attribute:
 Attribute_Label: GEOPHYSICAL-REPORT-TYPE code
 Attribute_Definition: The code that denotes the type of geophysical surface observation.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-12
 Enumerated_Domain_Value_Definition: SYNOP Report of surface observation form a fixed land station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-13
 Enumerated_Domain_Value_Definition: SHIP Report of surface observation from a sea station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-14
 Enumerated_Domain_Value_Definition: SYNOP MOBIL Report of surface observation from a mobile land station
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

```
        Enumerated_Domain_Value: FM-15
        Enumerated_Domain_Value_Definition: METAR Aviation routine weather report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: FM-16
        Enumerated_Domain_Value_Definition: SPECI Aviation selected special weather
report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: FM-18
        Enumerated_Domain_Value_Definition: BUOY Report of a buoy observation
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: SAO
        Enumerated_Domain_Value_Definition: Airways report (includes record specials)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: SAOSP
        Enumerated_Domain_Value_Definition: Airways special report (excluding record
specials)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: AERO
        Enumerated_Domain_Value_Definition: Aerological report
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: AUTO
        Enumerated_Domain_Value_Definition: Report from an automatic station
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: OCEAN-ICE-OBSERVATION edge bearing code
    Attribute_Definition: The code that denotes the true bearing, measured from the reporting
platform to the closest point of the principle ice edge.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Ship in shore or flaw lead
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
```

```
        Enumerated_Domain_Value_Definition: Principal ice edge towards NE
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Principal ice edge towards E
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Principal ice edge towards SE
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Principal ice edge towards S
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Principal ice edge towards SW
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6
        Enumerated_Domain_Value_Definition: Principal ice edge towards W
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 7
        Enumerated_Domain_Value_Definition: Principal ice edge towards NW
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 8
        Enumerated_Domain_Value_Definition: Principal ice edge towards N
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Not determined (ship in ice)
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 10
        Enumerated_Domain_Value_Definition: Unable to report, because of darkness,
lack of visibility or because only ice of land origin is visible
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:

Attribute_Label: OCEAN-ICE-OBSERVATION quality edge bearing code

Attribute_Definition: The code that denotes a quality status of a reported OCEAN-ICE-OBSERVATION edge bearing code

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 1

 Enumerated_Domain_Value_Definition: Good

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 2

 Enumerated_Domain_Value_Definition: Suspect

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Erroneous

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Calculated

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: Removed

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: PLATFROM-ICE-ACCRETION quality source code

Attribute_Definition: The code that denotes a quality status of a reported PLATFROM-ICE-ACCRETION source code

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

 Enumerated_Domain:

 Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Not checked

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

```
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PLATFORM-ICE-ACCRETION quality tendency code
    Attribute_Definition: The code that denotes a quality status of a reported PLATFORM-ICE-
ACCRETION tendency code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
```

```
    Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PLATFORM-ICE-ACCRETION quality thickness dimension
    Attribute_Definition: The code that denotes a quality status of a reported PLATFORM-ICE-
ACCRETION thickness dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Attribute:  
    Attribute_Label: PLATFOM-ICE-ACCRETION source code  
    Attribute_Definition: The code that denotes the source of the ice that builds up on a  
marine platform's structure.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Icing from ocean spray  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Icing from fog  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Icing from spray and fog  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Icing from rain  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Icing from spray and rain  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: PLATFOM-ICE-ACCRETION tendency code  
    Attribute_Definition: The code that denotes the rate of change of ice thickness on a  
marine platform.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Ice not building up  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Ice building up slowly  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Ice building up rapidly
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Ice melting or breaking up slowly
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Ice melting or breaking up rapidly
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: PLATFORM-ICE-ACCRETION thickness dimension
    Attribute_Definition: The thickness of the ice that has accumulated on a marine platform.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0
            Range_Domain_Maximum: 98
            Attribute_Units_of_Measure: Centimeters

Attribute:
    Attribute_Label: WATER-SURFACE-ICE-HISTORICAL-OBSERVATION edge distance dimension
    Attribute_Definition: The distance from the reporting ship's location to the nearest
point on the ice edge.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Range_Domain:
            Range_Domain_Minimum: 0
            Range_Domain_Maximum: 98
            Attribute_Units_of_Measure: Kilometers

Attribute:
    Attribute_Label: WATER-SURFACE-ICE-HISTORICAL-OBSERVATION edge orientation code
    Attribute_Definition: The code that denotes the orientation of the principal ice edge and
the direction relative to which the ice lies.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
```

Enumerated_Domain_Value_Definition: Orientation of ice edge impossible to estimate--ship outside the ice
estimate--ship outside the ice
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction NE to SW
with ice situated to the NW
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction E to W with
ice situated to the N
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction SE to NW
with ice situated to the NE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction S to N with
ice situated to the E
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction SW to NE
with ice situated to the SE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction W to E with
ice situated to the S
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction NW to SE
with ice situated to the SW
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Ice edge lying in a direction N to S with
ice situated to the W

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 9
        Enumerated_Domain_Value_Definition: Orientation of ice edge impossible to
estimate--ship inside the ice
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: WATER-SURFACE-ICE-HISTORICAL-OBSERVATION formation type code
        Attribute_Definition: The code that denotes the type of ice formation reported in the
WATER-SURFACE-ICE-HISTORICAL-OBSERVATION formation type code
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: No ice (0 may be used to report ice blink
and then a direction must be reported)
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: New ice
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Fast ice
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 3
                Enumerated_Domain_Value_Definition: Pack-ice/drift-ice
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 4
                Enumerated_Domain_Value_Definition: Packed (compact) slush or sludge
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 5
                Enumerated_Domain_Value_Definition: Shore lead
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 6
                Enumerated_Domain_Value_Definition: Heavy fast ice
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

plain language

```
    Enumerated_Domain:  
        Enumerated_Domain_Value: 7  
        Enumerated_Domain_Value_Definition: Heavy pack-ice/drift-ice  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 8  
        Enumerated_Domain_Value_Definition: Hummocked ice  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 9  
        Enumerated_Domain_Value_Definition: Icebergs-icebergs can be reported in  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: WATER-SURFACE-ICE-HISTORICAL-OBSERVATION navigation effect code  
    Attribute_Definition: The code that denotes the effect of ice on navigation  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Navigation unobstructed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Navigation unobstructed for steamers,  
difficult for sailing ships  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Navigation difficult for low-powered  
steamers, closed to sailing ships  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Navigation possible only for powerful  
steamers  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Navigation possible only for steamers  
constructed to withstand ice pressure
```

of ice-breakers

Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Navigation possible with the assistance of ice-breakers

owing to bad weather

Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 6
 Enumerated_Domain_Value_Definition: Channel open in the solid ice
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 7
 Enumerated_Domain_Value_Definition: Navigation temporarily closed
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 8
 Enumerated_Domain_Value_Definition: Navigation closed
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Navigation conditions unknown, e.g., ice, slush, slugs
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: WATER-SURFACE-ICE-OBSERVATION development code
Attribute_Definition: The code that denotes the development stage of the ice
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: New ice only (frazil ice, grease
ice, slush, slugs)
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Nilas or ice rind, less than 10 cm thick
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Young ice (grey ice, grey-white ice), 10 - 30 cm thick
 Enumerated_Domain_Value_Definition_Source: AFCCC

some first year ice

some new and/or young ice

thick)

ice with some old ice (usually more than 2 m thick)

Attribute:

Attribute_Label: WATER-SURFACE-ICE-OBSERVATION growler-bergy-bit presence code

Attribute_Definition: The code that denotes the existence of growler and/or bergy bits.

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

Enumerated_Domain:

 Enumerated_Domain_Value: 0

 Enumerated_Domain_Value_Definition: Predominantly new and/or young ice with

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 3

 Enumerated_Domain_Value_Definition: Predominantly thin first year ice with

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 4

 Enumerated_Domain_Value_Definition: Predominantly thin first year ice with

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 5

 Enumerated_Domain_Value_Definition: All thin first year ice (30 - 70 cm

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 6

 Enumerated_Domain_Value_Definition: Predominantly medium first year ice (70 -

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 7

 Enumerated_Domain_Value_Definition: All medium and thick first year ice

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 8

 Enumerated_Domain_Value_Definition: Predominantly medium and thick first year

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: 9

 Enumerated_Domain_Value_Definition: Predominantly old ice

 Enumerated_Domain_Value_Definition_Source: AFCCC

```
        Enumerated_Domain_Value_Definition: Not present
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Present
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: WATER-SURFACE-ICE-OBSERVATION ice trend code
    Attribute_Definition: The code that denotes the trend of ice conditions.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Conditions improving
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Conditions static
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Conditions worsening
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Conditions worsening; ice forming and
flows freezing together
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Conditions worsening; ice under slight
pressure
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 6
```

or severe pressure

Enumerated_Domain_Value_Definition: Conditions worsening; ice under moderate or severe pressure
Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: WATER-SURFACE-ICE-OBSERVATION quality development code
Attribute_Definition: The code that denotes a quality status of a reported WATER-SURFACE-ICE-OBSERVATION ice trend code
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:

Enumerated_Domain:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Erroneous
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Calculated
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Removed
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: WATER-SURFACE-ICE-OBSERVATION quality growler-bergy-bit presence code
Attribute_Definition: The code that denotes a quality status of a reported WATER-SURFACE-ICE-OBSERVATION growler-bergy-bit presence code
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:

```
    Enumerated_Domain:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Good  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Suspect  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Erroneous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: WATER-SURFACE-ICE-OBSERVATION quality growler-berg-bit quantity  
    Attribute_Definition: The code that denotes a quality status of a reported WATER-SURFACE-  
ICE-OBSERVATION growler-berg-bit quantity  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: WATER-SURFACE-ICE-OBSERVATION quality ice trend code
    Attribute_Definition: The code that denotes a quality status of a reported WATER-SURFACE-
ICE-OBSERVATION ice trend code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: WATER-SURFACE-ICE-OBSERVATION quality ship penetrability code
    Attribute_Definition: The code that denotes a quality status of a reported WATER-SURFACE-
ICE-OBSERVATION ship penetrability code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: WATER-SURFACE-ICE-OBSERVATION quality uniform concentration rate
    Attribute_Definition: The code that denotes a quality status of a reported WATER-SURFACE-
ICE-OBSERVATION uniform concentration rate
    Attribute_Definition_Source: DDDS
```

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Good  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Suspect  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Erroneous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
Attribute:  
    Attribute_Label: WATER-SURFACE-ICE-OBSERVATION ship penetrability code  
    Attribute_Definition: The code that denotes the degree of ease with which the reporting  
ship can proceed through the ice.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Easy  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Difficult  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3
```

Enumerated_Domain_Value_Definition: Beset (Surrounded so closely by sea ice that steering control is lost.)
Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: WATER-SURFACE-ICE-OBSERVATION ship relative position code

Attribute_Definition: The code that denotes the relative position of the reporting ship to the ice formation.

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 0

Enumerated_Domain_Value_Definition: Ship in open water with floating ice in sight
Enumerated_Domain_Value_Source: AFCCC

Enumerated_Domain:

Enumerated_Domain_Value: 1

Enumerated_Domain_Value_Definition: In open lead or fast ice

Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:

Enumerated_Domain_Value: 2

Enumerated_Domain_Value_Definition: In ice or within 0.5 nautical miles of ice edge
Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

Attribute_Label: WATER-SURFACE-ICE-OBSERVATION uniform concentration rate

Attribute_Definition: The percent concentration (surface coverage) of ice on the water surface.

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

Range_Domain:

Range_Domain_Minimum: 0

Range_Domain_Maximum: 100

Attribute_Units_of_Measure: Percent

Attribute:

Attribute_Label: WAVE MEASUREMENT quality wave height dimension

Attribute_Definition: The code that denotes a quality status of a reported WAVE MEASUREMENT wave height dimension

Attribute_Definition_Source: DDDS

Attribute_Domain_Values:

```
    Enumerated_Domain:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Not checked  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Good  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Suspect  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Erroneous  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Calculated  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: WAVE MEASUREMENT wave height dimension  
    Attribute_Definition: The height of a wave measured from trough to crest.  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 0  
            Range_Domain_Maximum: 50  
            Attribute_Units_of_Measure: Meters  
  
Attribute:  
    Attribute_Label: WAVE-MEASUREMENT method code  
    Attribute_Definition: A code that represents the method used to obtain a WAVE-MEASUREMENT  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: M
        Enumerated_Domain_Value_Definition: Manual
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: I
        Enumerated_Domain_Value_Definition: Instrumental
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: WAVE-MEASUREMENT primary swell direction angle
        Attribute_Definition: The angle measured clockwise from true north to the direction from
which primary swell waves are coming.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 1
                Range_Domain_Maximum: 360
                Attribute_Units_of_Measure: Angular degrees

    Attribute:
        Attribute_Label: WAVE-MEASUREMENT primary swell height dimension
        Attribute_Definition: The height of a primary swell wave measured from the trough to the
crest.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 1
                Range_Domain_Maximum: 50
                Attribute_Units_of_Measure: Meters

    Attribute:
        Attribute_Label: WAVE-MEASUREMENT primary swell period quantity
        Attribute_Definition: The quantity of time required for two successive primary swell wave
crests to pass a fixed point.
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Range_Domain:
                Range_Domain_Minimum: 0
                Range_Domain_Maximum: 14
                Attribute_Units_of_Measure: Seconds

    Attribute:
```

```
Attribute_Label: WAVE-MEASUREMENT quality primary swell direction angle
Attribute_Definition: The code that denotes a quality status of a reported WAVE-
MEASUREMENT primary swell direction angle
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
    Enumerated_Domain:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Not checked
            Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
Attribute:
    Attribute_Label: WAVE-MEASUREMENT quality primary swell height dimension
    Attribute_Definition: The code that denotes a quality status of a reported WAVE-
MEASUREMENT primary swell height dimension
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Removed  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
  
Attribute:  
    Attribute_Label: WAVE-MEASUREMENT quality primary swell period quantity  
    Attribute_Definition: The code that denotes a quality status of a reported WAVE-  
MEASUREMENT primary swell period quantity  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 0  
                Enumerated_Domain_Value_Definition: Not checked  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1  
            Enumerated_Domain_Value_Definition: Good  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 2  
            Enumerated_Domain_Value_Definition: Suspect  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3
```

```
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: WAVE-MEASUREMENT quality sea state code
    Attribute_Definition: The code that denotes a quality status of a reported WAVE-
MEASUREMENT sea state code
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain:
                Enumerated_Domain_Value: 0
                Enumerated_Domain_Value_Definition: Not checked
                Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Good
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Suspect
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Erroneous
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Calculated
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Removed
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:
 Attribute_Label: WAVE-MEASUREMENT quality secondary swell direction angle
 Attribute_Definition: The code that denotes a quality status of a reported WAVE-MEASUREMENT secondary swell direction angle
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0
 Enumerated_Domain_Value_Definition: Not checked
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 1
 Enumerated_Domain_Value_Definition: Good
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 2
 Enumerated_Domain_Value_Definition: Suspect
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 3
 Enumerated_Domain_Value_Definition: Erroneous
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 4
 Enumerated_Domain_Value_Definition: Calculated
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: 5
 Enumerated_Domain_Value_Definition: Removed
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: WAVE-MEASUREMENT quality secondary swell height dimension
 Attribute_Definition: The code that denotes a quality status of a reported WAVE-MEASUREMENT secondary swell height dimension
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain:
 Enumerated_Domain_Value: 0

```
        Enumerated_Domain_Value_Definition: Not checked
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 1
        Enumerated_Domain_Value_Definition: Good
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 2
        Enumerated_Domain_Value_Definition: Suspect
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 3
        Enumerated_Domain_Value_Definition: Erroneous
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 4
        Enumerated_Domain_Value_Definition: Calculated
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 5
        Enumerated_Domain_Value_Definition: Removed
        Enumerated_Domain_Value_Definition_Source: AFCCC

    Attribute:
        Attribute_Label: WAVE-MEASUREMENT quality secondary swell period quantity
        Attribute_Definition: The code that denotes a quality status of a reported WAVE-
MEASUREMENT secondary swell period quantity
        Attribute_Definition_Source: DDDS
        Attribute_Domain_Values:
            Enumerated_Domain:
                Enumerated_Domain:
                    Enumerated_Domain_Value: 0
                    Enumerated_Domain_Value_Definition: Not checked
                    Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 1
                Enumerated_Domain_Value_Definition: Good
                Enumerated_Domain_Value_Definition_Source: AFCCC
            Enumerated_Domain:
                Enumerated_Domain_Value: 2
                Enumerated_Domain_Value_Definition: Suspect
                Enumerated_Domain_Value_Definition_Source: AFCCC
```

```
        Enumerated_Domain:  
            Enumerated_Domain_Value: 3  
            Enumerated_Domain_Value_Definition: Erroneous  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 4  
            Enumerated_Domain_Value_Definition: Calculated  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 5  
            Enumerated_Domain_Value_Definition: Removed  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
    Attribute:  
        Attribute_Label: WAVE-MEASUREMENT quality wave period quantity  
        Attribute_Definition: The code that denotes a quality status of a reported WAVE-  
MEASUREMENT wave period quantity  
        Attribute_Definition_Source: DDDS  
        Attribute_Domain_Values:  
            Enumerated_Domain:  
                Enumerated_Domain:  
                    Enumerated_Domain_Value: 0  
                    Enumerated_Domain_Value_Definition: Not checked  
                    Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 1  
                Enumerated_Domain_Value_Definition: Good  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 2  
                Enumerated_Domain_Value_Definition: Suspect  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 3  
                Enumerated_Domain_Value_Definition: Erroneous  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 4  
                Enumerated_Domain_Value_Definition: Calculated  
                Enumerated_Domain_Value_Definition_Source: AFCCC  
            Enumerated_Domain:  
                Enumerated_Domain_Value: 5  
                Enumerated_Domain_Value_Definition: Removed
```

```
        Enumerated_Domain_Value_Definition_Source: AFCCC
Attribute:
    Attribute_Label: WAVE-MEASUREMENT sea state code
    Attribute_Definition: The code that denotes the roughness of the surface of the sea in
terms of average wave height.
    Attribute_Definition_Source: DDDS
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: 0
            Enumerated_Domain_Value_Definition: Calm, glassy - wave height = 0 meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 1
            Enumerated_Domain_Value_Definition: Calm, rippled - wave height = 0-0.1
meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 2
            Enumerated_Domain_Value_Definition: Smooth, wavelets - wave height = 0.1-0.5
meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 3
            Enumerated_Domain_Value_Definition: Slight, wave height = 0.5-1.25 meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 4
            Enumerated_Domain_Value_Definition: Moderate - wave height 1.25-2.5 meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 5
            Enumerated_Domain_Value_Definition: Rough - wave height = 2.5-4.0 meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 6
            Enumerated_Domain_Value_Definition: Very rough - wave height = 4.0-6.0 meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: 7
            Enumerated_Domain_Value_Definition: High - wave height = 6.0-9.0 meters
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
```

Enumerated_Domain_Value: 8
Enumerated_Domain_Value_Definition: Very high - wave height 9.0-14.0 meters
Enumerated_Domain_Value_Definition_Source: AFCCC
Enumerated_Domain:
 Enumerated_Domain_Value: 9
 Enumerated_Domain_Value_Definition: Phenomenal - wave height = over 14.0
meters
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
 Attribute_Label: WAVE-MEASUREMENT secondary swell direction angle
 Attribute_Definition: The angle measured clockwise from true north to the direction from
which secondary swell waves are coming.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Maximum: 360
 Attribute_Units_of_Measure: Angular Degrees

Attribute:
 Attribute_Label: WAVE-MEASUREMENT secondary swell height dimension
 Attribute_Definition: The height of a secondary swell wave measured from the trough to
the crest.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0
 Range_Domain_Maximum: 50
 Attribute_Units_of_Measure: Meters

Attribute:
 Attribute_Label: WAVE-MEASUREMENT secondary swell period quantity
 Attribute_Definition: The quantity of time required for two successive secondary swell
wave crests to pass a fixed point.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 0
 Range_Domain_Maximum: 14
 Attribute_Units_of_Measure: Seconds

```
Attribute:  
    Attribute_Label: WAVE-MEASUREMENT wave period quantity  
    Attribute_Definition: The quantity of time required for two successive wave crests to  
pass a fixed point  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 0  
            Range_Domain_Maximum: 14  
            Attribute_Units_of_Measure: Seconds  
  
Detailed_Description:  
Entity_Type:  
    Entity_Type_Label: QUALITY  
    Entity_Type_Definition: Checks the Quality of the observations  
    Entity_Type_Definition_Source: DDDS  
  
Attribute:  
    Attribute_Label: FIXED_WEATHER_STATION identifier  
    Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION. COMMENT:  
This field includes all surface reporting stations, including ships, buoys, etc. COMMENT: This field  
includes all surface reporting stations, including ships, buoys, etc  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Range_Domain:  
            Range_Domain_Minimum: 000000  
            Range_Domain_Maximum: 999999  
            Attribute_Units_of_Measure: Integer  
  
Attribute:  
    Attribute_Label: Security Identification  
    Attribute_Definition: The identifier that represents security classification  
    Attribute_Definition_Source: DDDS  
    Attribute_Domain_Values:  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 0  
            Enumerated_Domain_Value_Definition: Undefined/Unknown  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:  
            Enumerated_Domain_Value: 1-49999  
            Enumerated_Domain_Value_Definition: Unclassified  
            Enumerated_Domain_Value_Definition_Source: AFCCC  
        Enumerated_Domain:
```

```
        Enumerated_Domain_Value: 50000-59999
        Enumerated_Domain_Value_Definition: For Official Use Only
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 6000-79999
        Enumerated_Domain_Value_Definition: Confidential
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 80000-98999
        Enumerated_Domain_Value_Definition: Secret
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 99000-99499
        Enumerated_Domain_Value_Definition: Top Secret
        Enumerated_Domain_Value_Definition_Source: AFCCC
    Enumerated_Domain:
        Enumerated_Domain_Value: 99500-99999
        Enumerated_Domain_Value_Definition: Top Secret Sensitive Compartmented
information
        Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:
    Attribute_Label: Distribution Identification
    Attribute_Definition: Indicator of distribution availability
    Attribute_Definition_Source: DoD directive 5230.24
    Attribute_Domain_Values:
        Enumerated_Domain:
            Enumerated_Domain_Value: A
            Enumerated_Domain_Value_Definition: Approved for public release; distribution
unlimited
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: D
            Enumerated_Domain_Value_Definition: Distribution authorized to the DoD and US
DoD contractors only
            Enumerated_Domain_Value_Definition_Source: AFCCC
        Enumerated_Domain:
            Enumerated_Domain_Value: E
            Enumerated_Domain_Value_Definition: Distribution authorized to DoD components
only
            Enumerated_Domain_Value_Definition_Source: AFCCC
```

Attribute:
 Attribute_Label: Network Type
 Attribute_Definition: The code that denotes the network under which the stations belongs.
 Attribute_Definition_Source: JMOBS DBDD
 Attribute_Domain_Values:
 Codeset_Domain:
 Codeset_Name: Network Type
 Codeset_Source: JMOBS DBDD Appendix B

Attribute:
 Attribute_Label: FIXED_WEATHER_STATION identifier
 Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION. COMMENT:
This field includes all surface reporting stations, including ships, buoys, etc. COMMENT: This field
includes all surface reporting stations, including ships, buoys, etc
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000000
 Range_Domain_Maximum: 999999
 Attribute_Units_of_Measure: Integer

Attribute:
 Attribute_Label: FIXED_WEATHER_STATION identifier
 Attribute_Definition: The identifier that represents a FIXED-WEATHER-STATION
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000000
 Range_Domain_Maximum: 999999
 Attribute_Units_of_Measure: Integer

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION date
 Attribute_Definition: The date and time of a GEOPHYSICAL-POINT-OBSERVATION.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 000001010000
 Range_Domain_Maximum: 999912312359
 Attribute_Units_of_Measure: Year,Month,Day,Hour,Minute

Attribute:

Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION latitude coordinate
Attribute_Definition: The latitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where southern hemisphere is negative.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
Range_Domain:
 Range_Domain_Minimum: -90.0000000
 Range_Domain_Maximum: 90.0000000
 Attribute_Units_of_Measure: Degrees

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION longitude coordinate
 Attribute_Definition: The longitude coordinate of a GEOPHYSICAL-POINT-OBSERVATION where values west from 000.0000000 to 179.9999999 are signed negative.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: -179.9999999
 Range_Domain_Maximum: 180.0000000
 Attribute_Units_of_Measure: Degrees

Attribute:
 Attribute_Label: GEOPHYSICAL-POINT-OBSERVATION month
 Attribute_Definition: The month of a GEOPHYSICAL-POINT-OBSERVATION
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Range_Domain:
 Range_Domain_Minimum: 1
 Range_Domain_Maximum: 12
 Attribute_Units_of_Measure: Months

Attribute:
 Attribute_Label: GEOPHYSICAL-REPORT-TYPE code
 Attribute_Definition: The code that denotes the type of geophysical surface observation.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: FM-12
 Enumerated_Domain_Value_Definition: SYNOP Report of surface observation form a fixed land station
 Attribute_Units_of_Measure: AFCCC
 Enumerated_Domain:

sea station

 Enumerated_Domain_Value: FM-13
 Enumerated_Domain_Value_Definition: SHIP Report of surface observation from a sea station
 Enumerated_Domain_Value_Definition_Source: AFCCC

from a mobile land station

 Enumerated_Domain:
 Enumerated_Domain_Value: FM-14
 Enumerated_Domain_Value_Definition: SYNOP MOBIL Report of surface observation from a mobile land station
 Enumerated_Domain_Value_Definition_Source: AFCCC

report

 Enumerated_Domain:
 Enumerated_Domain_Value: FM-15
 Enumerated_Domain_Value_Definition: METAR Aviation routine weather report
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: FM-16
 Enumerated_Domain_Value_Definition: SPECI Aviation selected special weather report
 Enumerated_Domain_Value_Definition_Source: AFCCC

specials)

 Enumerated_Domain:
 Enumerated_Domain_Value: FM-18
 Enumerated_Domain_Value_Definition: BUOY Report of a buoy observation
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: SAO
 Enumerated_Domain_Value_Definition: Airways report (includes record specials)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: SAOSP
 Enumerated_Domain_Value_Definition: Airways special report (excluding record specials)
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: AERO
 Enumerated_Domain_Value_Definition: Aerological report
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: AUTO
 Enumerated_Domain_Value_Definition: Report from an automatic station
 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: ORIGINAL-OBSERVATION-ELEMENT-QUALITY original value text

Attribute_Definition: The original value text for elements which were rejected or recomputed during validation.
Attribute_Definition_Source: DDDS
Attribute_Domain_Values:
 Unrepresentable_Domain: Free text.

Attribute:
 Attribute_Label: ORIGINAL-OBSERVATION-ELEMENT-QUALITY parameter code
 Attribute_Definition: The code that denotes the type of parameter that the supplemental-level-element-quality applies to.
 Attribute_Definition_Source: DDDS
 Attribute_Domain_Values:
 Enumerated_Domain:
 Enumerated_Domain_Value: APC3
 Enumerated_Domain_Value_Definition: ATMOSPHERIC-PRESSURE-CHANGE THREE HOUR
CHANGE QUANTITY
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: ATOLD
 Enumerated_Domain_Value_Definition: AIR-TEMPERATURE-OBSERVATION-LEVEL
DEWPOINT TEMPERATURE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: WOSPD
 Enumerated_Domain_Value_Definition: WIND-OBSERVATION SPEED RATE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: WOLSPD
 Enumerated_Domain_Value_Definition: WIND-OBSERVATION-LEVEL SPEED RATE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: WOLDIR
 Enumerated_Domain_Value_Definition: WIND-OBSERVATION DIRECTION ANGLE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: WODIR
 Enumerated_Domain_Value_Definition: WIND-OBSERVATION DIRECTION ANGLE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: ATOLDS
 Enumerated_Domain_Value_Definition: AIR-TEMPERATURE-OBSERVATION-LEVEL DENSITY
RATE

TEMPERATURE

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: ATOLT
 Enumerated_Domain_Value_Definition: AIR-TEMPERATURE-OBSERVATION-LEVEL AIR

TEMPERATURE

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: ATOD
 Enumerated_Domain_Value_Definition: AIR-TEMPERATURE-OBSERVATION DEW POINT

TEMPERATURE

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: ATOT
 Enumerated_Domain_Value_Definition: AIR-TEMPERATURE-OBSERVATION AIR

PRESSURE RATE

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: APOSP
 Enumerated_Domain_Value_Definition: ATMOSPHERIC-PRESSURE-OBSERVATION STATION

LEVEL PRESSURE

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: APOS LP
 Enumerated_Domain_Value_Definition: ATMOSPHERIC-PRESSURE-OBSERVATION SEA

PRESSURE RATE

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: APOLP
 Enumerated_Domain_Value_Definition: ATMOSPHERIC-PRESSURE-OBSERVATION-LEVEL

HEIGHT DIMENSION

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: APOLH
 Enumerated_Domain_Value_Definition: ATMOSPHERIC-PRESSURE-OBSERVATION-LEVEL

ALTIMETER RATE

 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:

Enumerated_Domain_Value: WGOSPD
 Enumerated_Domain_Value_Definition: WIND-GUST-OBSERVATION SPEED RATE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: APCQ24
 Enumerated_Domain_Value_Definition: ATMOSPHERIC-PRESSURE-CHANGE TWENTY FOUR
HOUR QUANTITY
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: APCTEN
 Enumerated_Domain_Value_Definition: ATMOSPHERIC-PRESSURE-CHANGE TENDENCY CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: PRSWOA
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION AUTOMATED
ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: PRSWM1
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION MANUAL
ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: PRSWM2
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION MANUAL
ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: PRSWM3
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION MANUAL
ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: PRSWM4
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION MANUAL
ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC
 Enumerated_Domain:
 Enumerated_Domain_Value: PRSWM5
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION MANUAL
ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC

Enumerated_Domain:
 Enumerated_Domain_Value: PRSWM6
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION MANUAL

ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: PRSWM7
 Enumerated_Domain_Value_Definition: PRESENT-WEATHER-OBSERVATION MANUAL

ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: PSTWA1
 Enumerated_Domain_Value_Definition: PAST-WEATHER-OBSERVATION AUTOMATED

ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: PSTWA2
 Enumerated_Domain_Value_Definition: PAST-WEATHER-OBSERVATION AUTOMATED

ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: PSTWM1
 Enumerated_Domain_Value_Definition: PAST-WEATHER-OBSERVATION MANUAL

ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: PSTWM2
 Enumerated_Domain_Value_Definition: PAST-WEATHER-OBSERVATION MANUAL

ATMOSPHERIC CONDITION CODE
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: PSTWOP
 Enumerated_Domain_Value_Definition: PAST-WEATHER-OBSERVATION PERIOD QUANTITY

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: SCOCIG
 Enumerated_Domain_Value_Definition: SKY-CONDITION-OBSERVATION CEILING HEIGHT

DIMENSION
 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:
 Enumerated_Domain_Value: SCOHCG

GENUS CODE

 Enumerated_Domain_Value_Definition: SKY-CONDITION-OBSERVATION HIGH CLOUD

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: SCOLCB

 Enumerated_Domain_Value_Definition: SKY-CONDITION-OBSERVATION LOWEST CLOUD

BASE HEIGHT DIMENSION

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: SCOLCG

 Enumerated_Domain_Value_Definition: SKY-CONDITION-OBSERVATION LOW CLOUD GENUS

CODE

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: SCOMCG

 Enumerated_Domain_Value_Definition: SKY-CONDITION-OBSERVATION MID CLOUD GENUS

CODE

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: SCOTCV

 Enumerated_Domain_Value_Definition: SKY-CONDITION-OBSERVATION TOTAL COVERAGE

CODE

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: SCOTLC

 Enumerated_Domain_Value_Definition: SKY-CONDITION-OBSERVATION TOTAL LOWEST

CLOUD COVER CODE

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: VODIS

 Enumerated_Domain_Value_Definition: VISIBILITY-OBSERVATION DISTANCE DIMENSION

 Enumerated_Domain_Value_Definition_Source: AFCCC

 Enumerated_Domain:

 Enumerated_Domain_Value: VOVAR

 Enumerated_Domain_Value_Definition: VISIBILITY-OBSERVATION VARIABILITY CODE

 Enumerated_Domain_Value_Definition_Source: AFCCC

Attribute:

 Attribute_Label: ORIGINAL-OBSERVATION-ELEMENT-QUALITY reason code

 Attribute_Definition: The code that denotes the reason an element was identified as suspect, erroneous or recomputed.

 Attribute_Definition_Source: DDDS

```
Attribute_Domain_Values:  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 0  
        Enumerated_Domain_Value_Definition: Original value missing or corrupted  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 1  
        Enumerated_Domain_Value_Definition: Gross error checks (range and/or domain  
check)  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 2  
        Enumerated_Domain_Value_Definition: Geophysical checks (checking the validity  
against other parameters)  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 3  
        Enumerated_Domain_Value_Definition: Consistency checks (checking the validity  
against the same type of parameter)  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 4  
        Enumerated_Domain_Value_Definition: Gross error checks and geophysical checks  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 5  
        Enumerated_Domain_Value_Definition: Gross error checks and consistency checks  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 6  
        Enumerated_Domain_Value_Definition: Geophysical checks and consistency checks  
        Enumerated_Domain_Value_Definition_Source: AFCCC  
    Enumerated_Domain:  
        Enumerated_Domain_Value: 7  
        Enumerated_Domain_Value_Definition: Gross error checks and geophysical checks  
and consistency checks  
        Enumerated_Domain_Value_Definition_Source: AFCCC
```

Overview_Description:

Entity_and_Attribute_Overview: Elements reported are: Wind speed and direction, snowfall and snow-depth data, runway data, barometric pressures, hail data, pressure tendency and change, sunshine data, dry bulb temperature, ground temperature and conditions, dew point temperature, maximum and minimum

temperatures, total sky cover, ship data, visibility, sea surface temperature, past and present weather, wave data, cloud layer data, swell data, ceiling, ship ice reports, and precipitation data.

Entity_and_Attribute_Detail_Citation: None

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: AFCCC/D00

Contact_Address:

Address_Type: Mailing and Physical

Address: 151 Patton Avenue, Room 120

City: Asheville

State_or_Province: NC

Postal_Code: 28801-5002

Country: USA

Contact_Voice_Telephone: (828) 271-4291

Contact_Voice_Telephone: DSN 673-9004

Contact_Facsimile_Telephone: (828) 271-4334

Contact_Facsimile_Telephone: DSN 673-9024

Contact_Electronic_Mail_Address: doo_all@afccc.af.mil

Hours_of_Service: 0730-1630 Eastern Time M-F

Resource_Description: Precipitation climatology

Distribution_Liability:

The data was obtained to support DOD requests for climatological precipitation values. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.

Custom_Order_Process: Order by station or region. Order through the above distribution contact or this web site: https://www2.afccc.af.mil/forms_mil/html/restricted/sarform.html

Metadata_Reference_Information:

Metadata_Date: 20070119

Metadata_Review_Date: 20070119

Metadata_Future_Review_Date: 20080119

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: AFCCC/DOD

Contact_Address:

Address_Type: Mailing and physical.

Address: 151 Patton Avenue Room 120

City: Asheville

State_or_Province: NC
Postal_Code: 28801-5002
Country: USA
Contact_Voice_Telephone: (828) 271-4299
Contact_Voice_Telephone: DSN 673-9006
Contact_Facsimile_Telephone: (828) 271-4334
Contact_Facsimile_Telephone: DSN 673-9024
Contact_Electronic_Mail_Address: dod@afccc.af.mil
Hours_of_Service: 0730-1630 EST M-F
Metadata_Standard_Name: FGDC-Content Standards for Digital Geospatial Metadata.
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: Universal Time
Metadata_Access_Constraints: None
Metadata_Use_Constraints: None
Metadata_Security_Information:
 Metadata_Security_Classification_System: DoD
 Metadata_Security_Classification: Unclassified
 Metadata_Security_Handling_Description: Nonene