

Identification_Information:

Citation:

Citation_Information:

Originator: Air Force Weather Agency (AFWA), Offutt AFB, NE

Publication_Date: 20030716

Title: Snow Climo

Geospatial_Data_Presentation_Form: Planetary

Publication_Information:

Publication_Place: Asheville, NC

Publisher: Air Force Combat Climatology Center

Description:

Abstract: This product provides mean monthly snow depth values on a hemispheric 1/16 mesh grid over the entire globe. There are two files in this dataset. One is for the Northern Hemisphere and other is for the Southern Hemisphere.

Purpose: Support DoD projects.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 19920101/0000Z

Ending_Date: 20010101/2359Z

Currentness_Reference: From the data

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -180

East_Bounding_Coordinate: 180

North_Bounding_Coordinate: 90

South_Bounding_Coordinate: -90

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Snow Climatology

Theme_Keyword: Meteorology

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Global

Stratum:

Stratum_Keyword_Thesaurus: None

Stratum_Keyword: Surface

Temporal:

Temporal_Keyword_Thesaurus: None

Temporal_Keyword: Climatology-monthly

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

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Branch Chief, AFCCC/DOD

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 (312) 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 Eastern Time M-F

Data_Set_Credit: Collected and decoded by the Air Force Weather Agency
(AFWA)

Security_Information:

Security_Classification_System: DoD
Security_Classification: Unclassified
Security_Handling_Description: None

Cross_Reference:

Citation_Information:

Originator: Air Force Combat Climatology Center, Asheville, NC
Title: Snow Analysis
Publication_Date: 20000316
Online_Linkage:

<https://notus2.afccc.af.mil/SCIS/services/databases.asp>

Data_Quality_Information:

Logical_Consistency_Report: The only quality control done on the final dataset was to zero-out any mean snow depth less than 0.5 inches. This QC removes minor problems of a few SNOWDEP data points erroneously being set to having snow at unusual locations or time causing a very low mean snow depth in the 1/16 mesh climatology. Grid points without available data were set to an undefined value of -99.0.

Completeness_Report: The dataset was created using all available SNOWDEP data for a 1992 through 2001 period of record.

Lineage:

Process_Step:

Process_Description: The 1/8 mesh SNOWDEP data was summarized into an 1/8 mesh climatology. The 1/8 mesh climatology was then interpolated to 1/16 mesh dataset using simple bilinear interpolation. Row 1024 and column 1024 of the 1/16 mesh data set were set to the undefined value of -99.0 as there could be no interpolation. Since this row and column are off-world, only a very few points on-globe are set to the undefined value.

Process_Date: unknown

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: SNOW CLIMO DATABASE

Entity_Type_Definition: Data Description

Snow climo is divided into two files:

NH.csv is the northern hemisphere data

SH.csv is the southern hemisphere data

Data Format

.csv files

Data Record Breakout

i, j, lat, lon, mo1, mo2, mo3, mo4, mo5, mo6, mo7, mo8, mo9, mo10, mo11, mo12

grid
Pos: 1
Name: i-coordinate
Range of Values: 1 - 1024
Definition: the i-coordinate (horizontal) on the

grid
Pos: 2
Name: j-coordinate
Range of Values: 1 - 1024
Definition: the j-coordinate (vertical) on the

Pos: 3
Name: lat
Range of Values: 90.00 - -90.00
Definition: the latitudinal coordinate

Pos: 4
Name: lon
Range of Values: 180.00 - -180.00
Definition: the longitudinal coordinate

Pos: 5
Name: mo1
Range of Values: 00.0 - 99.9
Definition: average January snow depth in inches

Pos: 6
Name: mo2
Range of Values: 00.0 - 99.9
Definition: average February snow depth in inches

Pos: 7
Name: mo3
Range of Values: 00.0 - 99.9
Definition: average March snow depth in inches

Pos: 8
Name: mo4
Range of Values: 00.0 - 99.9
Definition: average April snow depth in inches

Pos: 9
Name: mo5
Range of Values: 00.0 - 99.9
Definition: average May snow depth in inches

Pos: 10
Name: mo6
Range of Values: 00.0 - 99.9
Definition: average June snow depth in inches

Pos: 11
Name: mo7
Range of Values: 00.0 - 99.9
Definition: average July snow depth in inches

Pos: 12
Name: mo8
Range of Values: 00.0 - 99.9
Definition: average August snow depth in inches

Pos: 13
Name: mo9
Range of Values: 00.0 - 99.9
Definition: average September snow depth in inches

Pos: 14
Name: mo10
Range of Values: 00.0 - 99.9
Definition: average October snow depth in inches

Pos: 15
Name: mo11
Range of Values: 00.0 - 99.9
Definition: average November snow depth in inches

Pos: 16
Name: mo12
Range of Values: 00.0 - 99.9
Definition: average December snow depth in inches

Sample data:

i	j	lat	lon	mo1	mo2	mo3	mo4	mo5	mo6	mo7	mo8	mo9	mo10	mo11	mo12
175.64	0.61	0	0	0	0	0	0	0	0	0	0	0	0	0	0.67
175.97	0.99	0.34	0.57	0	0	0	0	0	0	0	0	0	0	0	0.67
176.3	1.37	0.68	1.13	0	0	0	0	0	0	0	0	0	0	0	0.67
176.63	1.23	0.63	1.04	0	0	0	0	0	0	0	0	0	0	0	0.67
176.96	1.08	0.58	0.94	0	0	0	0	0	0	0	0	0	0	0	0.67
177.29	0.54	0.29	0.47	0	0	0	0	0	0	0	0	0	0	0	0.34

Entity_Type_Definition_Source: AFCCC
Overview_Description:
Entity_and_Attribute_Overview: None
Entity_and_Attribute_Detail_Citation: None

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: AFCCC/DOO

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: Snow Climo

Distribution_Liability: The data represents the results of data collection/processing for a specific U.S. Air Force activity and indicates the general existing conditions. 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 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: 20070126

Metadata_Review_Date: 20070126

Metadata_Future_Review_Date: 20080126

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

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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: None