

Station_Soil_Moisture_SAGES

dBASE Table

Thumbnail Not Available

Tags

soil moisture, SAGES, real dielectric constant, environment, SMAPVEX12, calibration, soil temperature, precipitation, geoscientificInformation

Summary

This table was generated for use in analysis and validation associated with the SMAPVEX12 (Soil Moisture Active-Passive Validation Experiment 2012) project.

Description

This table presents data recorded at hourly intervals during the course of the SMAPVEX12 field campaign between June 7 and July 19 at nine permanent soil moisture stations operated by AAFC. Data include recorded and calibrated soil moisture, real dielectric constant, soil temperature, and total precipitation.

Credits

Grant Wiseman Senior Geomatics Scientist – Scientifique principal en géomatique Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada Telephone - Téléphone: 204-259-4006 Cellular - Cellulaire: 204-293-6074 Facsimile - Télécopieur: 204-259-4055 200-303 Main Street, Winnipeg, MB R3C 3G7 grant.wiseman@agr.gc.ca

Use limitations

All SMAPVEX12 data (except those already on public domain servers) will be placed on the University of Sherbrooke site. Access will be limited by password that will be provided to principle investigators and co-investigators listed below. It will be up to the principle investigators and co-investigators to ensure that staff, graduate students and post docs respect the terms of the agreement on usage and distribution. Access to the website will be restricted until July 1, 2013 for preliminary research and quality control. After July 1, 2013 all data will be transferred to a SMAP DAAC. Principle Investigators Heather McNairn, Agriculture and Agri-Food Canada Tom Jackson, USDA, ARS Hydrology and Remote Sensing Laboratory Co-Investigators Aaron Berg, University of Guelph Amine Merzouki, Agriculture and Agri-Food Canada Andreas Colliander, JPL Anne Walker, Environment Canada Brenda Toth, Environment Canada/DARA/DARA Catherine Champagne, Agriculture and Agri-Food Canada Craig Smith, Environment Canada Dara Entekhabi, MIT Eni Njoku, JPL Grant Wiseman, Agriculture and Agri-Food Canada Jarrett Powers, Agriculture and Agri-Food Canada Jiali Shang, Agriculture and Agri-Food Canada John Fitzmaurice, Agriculture and Agri-Food Canada Mahta Moghaddam, University Southern California Mike Cosh, USDA, ARS Hydrology and Remote Sensing Laboratory Narendra Das, JPL Paul Bullock, University of Manitoba Peggy O'Neill, NASA GSFC Ramata Magagi, University of Sherbrooke Rotimi Ojo, University of Manitoba Sab Kim, JPL Stéphane Bélair, Environment Canada - NWP and Data Assimilation Alicia Joseph, NASA GSFC Erika Podest, JPL John Kimball, University of Montana Kalifa Goïta, University of Sherbrooke Marco Carrera, Environment Canada, Meteorological Research Division Steven Chan, JPL Vanessa Escobar, NASA GSFC

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment, geoscientificInformation

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

THEME KEYWORDS environment, geoscientificInformation

THESAURUS ►

TITLE ISO 19115 Topic Categories

[Hide Thesaurus ▲](#)

THEME KEYWORDS soil moisture, MAFRI, real dielectric constant, SMAPVEX12, calibration, soil temperature, precipitation

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE Station_Soil_Moisture_SAGES

PRESENTATION FORMATS digital document

FGDC GEOSPATIAL PRESENTATION FORMAT tabular digital data

[Hide Citation ▲](#)

Resource Details ►

DATASET LANGUAGES English (CANADA)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * text table

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; ESRI ArcGIS 10.0.5.4400

CREDITS

Grant Wiseman Senior Geomatics Scientist – Scientifique principal en géomatique
Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada Telephone
- Téléphone: 204-259-4006 Cellular - Cellulaire: 204-293-6074 Facsimile -
Télécopieur: 204-259-4055 200-303 Main Street, Winnipeg, MB R3C 3G7
grant.wiseman@agr.gc.ca

ARCGIS ITEM PROPERTIES

* NAME Station_Soil_Moisture_SAGES

* SIZE 5.379

* LOCATION

file:///\\mbwinnfs106\\gis\$\\data8\\projects\\land\\soil\\SMAPVEX12\\data\\Geodatabase\\DBFtables\\Station_Soil_Moisture_SAGES.dbf

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Grant Wiseman

ORGANIZATION'S NAME Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada

CONTACT'S POSITION Senior Geomatics Scientist – Scientifique principal en géomatique

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 204-259-4006

FAX 204-259-4055

ADDRESS

TYPE

DELIVERY POINT 200-303 Main Street

CITY Winnipeg

ADMINISTRATIVE AREA Manitoba

POSTAL CODE R3C 3G7

COUNTRY CA

COUNTRY CA

E-MAIL ADDRESS grant.wiseman@agr.gc.ca

Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Hide Resource Maintenance ▲

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

All SMAPVEX12 data (except those already on public domain servers) will be placed on the University of Sherbrooke site. Access will be limited by password that will be provided to principle investigators and co-investigators listed below. It will be up to the principle investigators and co-investigators to ensure that staff, graduate students and post docs respect the terms of the agreement on usage and distribution. Access to the website will be restricted until July 1, 2013 for preliminary research and quality control. After July 1, 2013 all data will be transferred to a SMAP DAAC. Principle Investigators Heather McNairn, Agriculture and Agri-Food Canada Tom Jackson, USDA, ARS Hydrology and Remote Sensing Laboratory Co-Investigators Aaron Berg, University of Guelph Amine Merzouki, Agriculture and Agri-Food Canada Andreas Colliander, JPL Anne Walker, Environment Canada Brenda Toth, Environment Canada/MSU/HAL Catherine Champagne, Agriculture and Agri-Food Canada Craig Smith, Environment Canada Dara Entekhabi, MIT Eni Njoku, JPL Grant Wiseman, Agriculture and Agri-Food Canada Jarrett Powers, Agriculture and Agri-Food Canada Jiali Shang, Agriculture and Agri-Food Canada John Fitzmaurice, Agriculture and Agri-Food Canada Mahta Moghaddam, University Southern California

Mike Cosh, USDA, ARS Hydrology and Remote Sensing Laboratory Narendra Das, JPL Paul Bullock, University of Manitoba Peggy O'Neill, NASA GSFC Ramata Magagi, University of Sherbrooke Rotimi Ojo, University of Manitoba Sab Kim, JPL Stéphane Bélair, Environment Canada - NWP and Data Assimilation Alicia Joseph, NASA GSFC Erika Podest, JPL John Kimball, University of Montana Kalifa Goita, University of Sherbrooke Marco Carrera, Environment Canada, Meteorological Research Division Steven Chan, JPL Vanessa Escobar, NASA GSFC

[Hide Resource Constraints ▲](#)

Geoprocessing history ►

PROCESS

DATE 2013-06-06 12:34:00

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Conversion Tools.tbx\TableToTable

COMMAND ISSUED

TableToTable

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INCLUDE IN LINEAGE WHEN EXPORTING METADATA No
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[Hide Geoprocessing history ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME dBASE Table

TRANSFER OPTIONS

* TRANSFER SIZE 5.379

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT Station_Soil_Moisture_SAGES ►

* TYPE Table

* ROW COUNT 9495

DEFINITION

Data recorded at four permanent MAFRI soil moisture stations during the SMAPVEX12 field campaign.

DEFINITION SOURCE

AAFC

FIELD OID ►

* ALIAS OID

* DATA TYPE OID

- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.

- * DESCRIPTION SOURCE
ESRI

- * DESCRIPTION OF VALUES Sequential unique whole numbers that are automatically generated.

Hide Field OID ▲

FIELD SAGES_ID ►

- * ALIAS SAGES_ID
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION
Unique ID for each station

Hide Field SAGES_ID ▲

FIELD DATE_COLLE ►

- * ALIAS DATE_COLLE
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

Hide Field DATE_COLLE ▲

FIELD TIME_COLLE ►

- * ALIAS TIME_COLLE
- * DATA TYPE Date
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

Hide Field TIME_COLLE ▲

FIELD INTERNAL_T ►

- * ALIAS INTERNAL_T
- * DATA TYPE Double
- * WIDTH 19

* PRECISION 0
* SCALE 0

Hide Field INTERNAL_T ▲

FIELD PRECIP_MM ►

* ALIAS PRECIP_MM
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION
Precipitation in mm

Hide Field PRECIP_MM ▲

FIELD TEMP_SURFA ►

* ALIAS TEMP_SURFA
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

Hide Field TEMP_SURFA ▲

FIELD RDC_SURFAC ►

* ALIAS RDC_SURFAC
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

Hide Field RDC_SURFAC ▲

FIELD SURFACE_CA ►

* ALIAS SURFACE_CA
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

Hide Field SURFACE_CA ▲

FIELD TEMP_05 ►

* ALIAS TEMP_05

* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
5 cm Temp

Hide Field TEMP_05 ▲

FIELD RDC_05_EC ►
* ALIAS RDC_05_EC
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
5cm RDC

Hide Field RDC_05_EC ▲

FIELD CALIBRATED ►
* ALIAS CALIBRATED
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

Hide Field CALIBRATED ▲

FIELD TEMP_20 ►
* ALIAS TEMP_20
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
20 cm temperature

Hide Field TEMP_20 ▲

FIELD RDC_20_EC ►
* ALIAS RDC_20_EC
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
20 cm RDC

[Hide Field RDC_20_EC ▲](#)

FIELD CALIBRAT_1 ►

- * ALIAS CALIBRAT_1
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

[Hide Field CALIBRAT_1 ▲](#)

FIELD TEMP_50 ►

- * ALIAS TEMP_50
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION
50 cm temperature

[Hide Field TEMP_50 ▲](#)

FIELD RDC_50_EC ►

- * ALIAS RDC_50_EC
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION
50 cm RDC

[Hide Field RDC_50_EC ▲](#)

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- * ALIAS CALIBRAT_2
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

[Hide Field CALIBRAT_2 ▲](#)

FIELD TEMP_100 ►

- * ALIAS TEMP_100
- * DATA TYPE Double

* WIDTH 19
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
100 cm temperature

[Hide Field TEMP_100 ▲](#)

FIELD RDC_100_EC ►
* ALIAS RDC_100_EC
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
100 cm RDC

[Hide Field RDC_100_EC ▲](#)

FIELD CALIBRAT_3 ►
* ALIAS CALIBRAT_3
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

[Hide Field CALIBRAT_3 ▲](#)

[Hide Details for object Station_Soil_Moisture_SAGES ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

METADATA LANGUAGE English (CANADA)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME * dataset

* LAST UPDATE 2013-06-06

ARCGIS METADATA PROPERTIES
METADATA FORMAT ESRI-ISO
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2013-06-06 12:34:56
LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-06-06 12:35:58

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-06-06 12:35:58