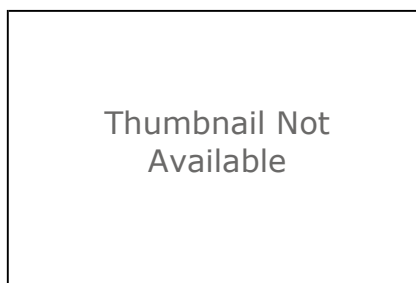


Photo_OVERVIEW

File Geodatabase Table



Tags

SMAPVEX12, fisheye photos, overview, leaf area index, LAI

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 contains site overview photos of crop cover taken at three sites within each SMAPVEX field during the course of field campaign between June 7 and July 19, corresponding to fisheye photos captured to identify and assess changes in leaf area index. Photos were captured on several days at each site throughout the field campaign. The site identification numbers and photo file names are also included.

Credits

Grant Wiseman Senior Geomatics Scientist – Scientifique principal en géomatique Agriculture and Agri-Food Canada – Agriculture et Agroalimentaire Canada Telephone - Téléphone: 204-984-4080 Cellular - Cellulaire: 204-293-6074 Facsimile - Télécopieur: 204-983-2178 200-303 Main Street, Winnipeg, MB R3C 3G7 grant.wiseman@agr.gc.ca

Use limitations

SMAPVEX12 DATA DISTRIBUTION AGREEMENT 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/MS/CHAL 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

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE environment, geoscientificInformation

* CONTENT TYPE Downloadable Data

[Hide Topics and Keywords ▲](#)

Citation ►

* TITLE Photo_OVERVIEW

PRESENTATION FORMATS * digital table

[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

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 grant.wiseman@agr.gc.ca

ARCGIS ITEM PROPERTIES

* NAME Photo_OVERVIEW

* LOCATION file:///\\mbwinnfs106\gis\$\data8\projects\land\soil\SMAPVEX12\data\Geodatabase\SMAPVEX_MASTER.gdb

* 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 ►

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FAX 204-983-2178

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 CITY Winnipeg
 ADMINISTRATIVE AREA Manitoba
 POSTAL CODE R3C 3G7
 COUNTRY Canada
 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****SMAPVEX12 DATA DISTRIBUTION AGREEMENT**

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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
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 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 ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL non-geographic dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

Geoprocessing history ►

PROCESS

PROCESS NAME

DATE 2012-11-16 12:13:57

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField Photo_OVERVIEW_2 Site_ID "[Field] &"-" & [Site]" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-21 17:12:15

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes>Data Management Tools.tbx\CopyRows

COMMAND ISSUED

CopyRows W:\data8\projects\land\soil\SMAPVEX12
 \data\Kurt\SMAPVEX_MASTER.gdb\Photo_OVERVIEW_2 W:\data8
 \projects\land\soil\SMAPVEX12\data\Kurt\Photos.gdb\Photo_OVERVIEW_2 #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-30 12:00:43

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.0\ArcToolbox\Toolboxes>Data Management Tools.tbx\CopyRows

COMMAND ISSUED

CopyRows W:\data8\projects\land\soil\SMAPVEX12
 \data\Kurt\Photos.gdb\Photo_OVERVIEW_3 W:\data8\projects\land\soil\SMAPVEX12
 \data\Geodatabase\SMAPVEX_MASTER.gdb\Photo_OVERVIEW_3 #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

[Hide Geoprocessing history ▲](#)

Distribution ►

DISTRIBUTION FORMAT

* NAME File Geodatabase Table

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [Photo_OVERVIEW ►](#)

* TYPE Table

* ROW COUNT 452

DEFINITION

Site overview photos of crop cover taken at nadir at three sites within each SMAPVEX field.

DEFINITION SOURCE

AAFC

FIELD [OBJECTID ►](#)

* ALIAS OBJECTID

* 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 OBJECTID ▲](#)

FIELD [Sample_Date ►](#)

* ALIAS Sample_Date

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Date the photo was captured.

DESCRIPTION SOURCE

AAFC

[Hide Field Sample_Date ▲](#)

FIELD [Field ►](#)

* ALIAS Field

* DATA TYPE Double
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Identification number of the SMAPVEX field in which the photo was taken.

DESCRIPTION SOURCE

AAFC

Hide Field Field ▲

FIELD Site ►

* ALIAS Site
 * DATA TYPE Double
 * WIDTH 8
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Identification number of the site at which the photo was taken.

DESCRIPTION SOURCE

AAFC

Hide Field Site ▲

FIELD Photo_Name ►

* ALIAS Photo_Name
 * DATA TYPE String
 * WIDTH 255
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Name of the JPEG photo file.

Hide Field Photo_Name ▲

FIELD Site_ID ►

* ALIAS Site_ID
 * DATA TYPE String
 * WIDTH 10
 * PRECISION 0
 * SCALE 0

FIELD DESCRIPTION

Hyphenated identification number of the SMAPVEX field and site at which the photo was taken.

DESCRIPTION SOURCE

AAFC

Hide Field Site_ID ▲

FIELD Photo_Overview ►

* ALIAS Photo_OVERVIEW
 * DATA TYPE Raster
 * WIDTH 0

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Clickable photo stored in a Raster-type attribute field.

DESCRIPTION SOURCE

AAFC

[Hide Field Photo_Overview ▲](#)

[Hide Details for object Photo_OVERVIEW ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (CANADA)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 7687463D-FF55-458F-9BB1-97FE1E97CDAD

SCOPE OF THE DATA DESCRIBED BY THE METADATA * non-geographic dataset

SCOPE NAME * dataset

* LAST UPDATE 2013-01-10

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

STANDARD OR PROFILE USED TO EDIT METADATA NAP

CREATED IN ARCGIS FOR THE ITEM 2012-12-20 12:36:52

LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-01-10 16:08:28

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-01-10 16:08:28

[Hide Metadata Details ▲](#)

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)

FGDC Metadata (read-only) ►

Entities and Attributes ►

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL Photo_OVERVIEW

ENTITY TYPE DEFINITION

Site overview photos of crop cover taken at nadir at three sites within each SMAPVEX field.

ENTITY TYPE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL OBJECTID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Sample_Date

ATTRIBUTE DEFINITION

Date the photo was captured.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Field

ATTRIBUTE DEFINITION

Identification number of the SMAPVEX field in which the photo was taken.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Site

ATTRIBUTE DEFINITION

Identification number of the site at which the photo was taken.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Photo_Name

ATTRIBUTE DEFINITION

Name of the JPEG photo file.

ATTRIBUTE

ATTRIBUTE LABEL Site_ID

ATTRIBUTE DEFINITION

Hyphenated identification number of the SMAPVEX field and site at which the photo was taken.

ATTRIBUTE DEFINITION SOURCE AAFC

ATTRIBUTE

ATTRIBUTE LABEL Photo_Overview

ATTRIBUTE DEFINITION

Clickable photo stored in a Raster-type attribute field.

ATTRIBUTE DEFINITION SOURCE AAFC

Hide Entities and Attributes ▲