

# Photo\_NADIR

## File Geodatabase Table

Thumbnail Not Available

### Tags

SMAPVEX12, fisheye photos, nadir, 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 fisheye photos of crop cover taken at nadir at three sites within each SMAPVEX field during the course of field campaign between June 7 and July 19. Photos were captured on several days at each site throughout the field campaign, and were used to identify and assess changes in leaf area index. 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: 204-259-4006 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

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\_NADIR

**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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### ARCGIS ITEM PROPERTIES

\* **NAME** Photo\_NADIR

\* **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 204-259-4055

ADDRESS

TYPE both

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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 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 Goïta, 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 10:56:28

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

COMMAND ISSUED

CalculateField Photo\_NADIR\_2 Site\_ID ""[Field]"+"-"+ "[Site]" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-16 10:57:35

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

COMMAND ISSUED

CalculateField Photo\_NADIR\_2 Site\_ID "[Field] & "-" & [Site]" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-21 15:37:55

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\_NADIR\_2

W:\data8\projects\land\soil\SMAPVEX12\data\Kurt\Photos.gdb\Photo\_NADIR\_2 #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

PROCESS NAME

DATE 2012-11-29 15:20:37

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\_NADIR\_3

W:\data8\projects\land\soil\SMAPVEX12\data\Geodatabase\SMAPVEX\_MASTER.gdb\Photo\_NADIR\_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\\_NADIR ►](#)

\* TYPE Table

\* ROW COUNT 435

DEFINITION

Fisheye 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 [Photo\\_Name ►](#)

\* ALIAS Photo\_Name

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

[FIELD DESCRIPTION](#)

Name of the JPEG photo file.

DESCRIPTION SOURCE

AAFC

[Hide Field Photo\\_Name ▲](#)

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 [Collection\\_Date ▶](#)

\* ALIAS Collection\_Date

\* DATA TYPE Date

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Date the photo was captured.

DESCRIPTION SOURCE

AAFC

[Hide Field Collection\\_Date ▲](#)

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\_Nadir ►

\* ALIAS Photo\_NADIR  
\* 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\\_Nadir ▲](#)

[Hide Details for object Photo\\_NADIR ▲](#)

[Hide Fields ▲](#)

## Metadata Details ►

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

METADATA IDENTIFIER 7B8297A4-8EBB-4560-8FC9-5403D54F5E60

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

\* LAST UPDATE 2013-03-19

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0  
METADATA STYLE FGDC CSDGM Metadata  
STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2012-12-20 12:08:10  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-03-19 10:21:12

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2013-03-19 10:21:12