

NAIP_2006_18in_color_wsps_83h_img (ImageServer)

Metadata:

Identification_Information:

Citation:

Citation_Information:

Originator: USDA-FSA-APFO Aerial Photography Field Office
Publication_Date: 20070312
Geospatial_Data_Presentation_Form: remote-sensing image
Title: NAIP Digital Ortho Photo Image
Publication_Information:
Publication_Place: Salt Lake City, Utah
Publisher: USDA_FSA_APFO Aerial Photography Field Office

Description:

Abstract:

This data set contains imagery from the National Agricultural Imagery Program (NAIP). NAIP acquires digital ortho imagery during the agricultural growing seasons in the continental U.S.. A primary goal of the NAIP program is to enable availability of ortho imagery within a year of acquisition. NAIP provides two main products: 1 meter ground sample distance (GSD) ortho imagery rectified to a horizontal accuracy of within +/- 5 meters of reference digital ortho quarter quads (DOQQS) from the National Digital Ortho Program (NDOP); and, 2 meter GSD ortho imagery rectified to within +/- 10 meters of reference DOQQs. The tiling format of NAIP imagery is based on a 3.75' x 3.75' quarter quadrangle with a 360 meter buffer on all four sides. NAIP quarter quads are rectified to the UTM coordinate system NAD83. NAIP imagery can obtain as much as 10% cloud cover per tile.

Purpose:

The 1 meter GSD NAIP is intended as a source for current digital ortho imagery in USDA Field Service Center GIS and for other uses that require ortho imagery acquired during the agricultural growing season.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20060709

Currentness_Reference: Ground Condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: Irregular

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -116.9375
East_Bounding_Coordinate: -116.8750
North_Bounding_Coordinate: 46.0000
South_Bounding_Coordinate: 45.9375

Keywords:

Theme:

Theme_Keyword_Thesaurus: None
Theme_Keyword: farming
Theme_Keyword: Digital Georectified Image
Theme_Keyword: Georectified Image
Theme_Keyword: Georectified

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Theme_Keyword: Georectification
Theme_Keyword: Georeferenced Image
Theme_Keyword: Georeferenced
Theme_Keyword: Quarter Quadrangle Centered
Theme_Keyword: NAIP
Theme_Keyword: Aerial Compliance
Theme_Keyword: Compliance
Theme_Keyword: USDA-FSA-APFO Aerial Photography Field Office
Theme_Keyword: United States Department of Agriculture (USDA)

Place:

Place_Keyword_Thesaurus: Geographic Names Information System
Place_Keyword: WA
Place_Keyword: Asotin
Place_Keyword: 53003
Place_Keyword: WA003
Place_Keyword: ASOTIN CO WA FSA
Place_Keyword: 4511601
Place_Keyword: JIM CREEK BUTTE, NE
Place_Keyword: JIM CREEK BUTTE

Access_Constraints: There are no limitations for access.

Use_Constraints:

None, The Aerial Photography Field Office asks to be credited in derived products.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Aerial Photography Field Office (APFO)

Contact_Address:

Address_Type: mailing and physical address

Address: 2222 West 2300 South

City: Salt Lake City

State_or_Province: Utah

Postal_Code: 84119-2020

Country: USA

Contact_Voice_Telephone: 801-975-3503

Contact_Facsimile_Telephone: 801-975-3532

Contact_Electronic_Mail_Address: sales@apfo.usda.gov

Browse_Graphic:

Browse_Graphic_File_Name: None

Browse_Graphic_File_Description: None

Browse_Graphic_File_Type: None

Native_Data_Set_Environment: Unknown

Data_Quality_Information:

Logical_Consistency_Report:

NAIP 3.75 minute tile file names are based on the USGS quadrangle naming convention.

Completeness_Report: None

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The positional accuracy for the digital data is tested by visual comparison to a data source with a higher order of accuracy.

Lineage:

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Source_Information:

Source_Citation:

Citation_Information:

Originator: USDA-FSA-APFO Aerial Photography Field Office

Title: JIM CREEK BUTTE, NE

Publication_Date: 20070312

Geospatial_Data_Presentation_Form: remote-sensing image

Type_of_Source_Media: Digital Linear Tape (DLT)

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20060709

Source_Currentness_Reference:

Aerial Photography Date for Roll No. 08170 Exp. No. 182

Source_Citation_Abbreviation: Georectified Image

Source_Contribution: Digital Georectified Image.

Process_Step:

Process_Description:

Photo positions provided by the USDA were imported into various flight management systems and logged into a database noting the date flown and aircraft/camera used. This database was used for internal/external progress reporting and creation of these data files. Flight crews photographed the missions in WA, starting June 24 and ending August 18. All systems collected Airborne GPS data using dual frequency receivers and collecting data at a minimum of one second intervals. Post processing of all GPS data was performed by Surdex with GraphNav software. HAS Images (Dayton, OH) processed all the color positive film. All the film was inspected and titled by Surdex and their team members. All the film was scanned using Leica Geosystems DSW700 models. Dodging and building image pyramids were handled using Surdex developed software. For Aerial Triangulation (AT) purposes, Washington was subdivided into 35 blocks. AT on all frames flown was performed in their respective UTM zone using Z/I Imaging's ISAT and Surdex Snoop tools.

All usable frames of photography were ortho-rectified at 1 meter resolution using the USGS National Elevation Dataset (NED) and Surdex developed orthorectification software. Using the common overlap between adjacent frames, all imagery was digitally mosaicked together and DOQQ were cut from a seamless virtual mosaic, to significantly eliminate offset caused by changes in terrain. A majority of each DOQQ will come from a single date of photography, which is identified in the date embedded in the DOQQ filename and CCM metadata, for inclusion in the County Compressed Mosaics (CCM) and uncompressed delivery on DLT tape. Radiometric balancing was performed using Inpho Orthovista software. Approximately 20 check points per county were collected over each reference imagery provided by the USDA and the new 2006 CCM to ensure the 5 meter accuracy was met.

Process_Date: 20070312

Spatial_Data_Organization_Information:

Indirect_Spatial_Reference: Asotin County, WA

Direct_Spatial_Reference_Method: Raster

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Raster_Object_Information:
 Raster_Object_Type: Pixel
 Row_Count: 7574
 Column_Count: 5536

Spatial_Reference_Information:
 Horizontal_Coordinate_System_Definition:
 Planar:
 Grid_Coordinate_System:
 Grid_Coordinate_System_Name: Universal Transverse Mercator
 Universal_Transverse_Mercator:
 UTM_Zone_Number: 11
 Transverse_Mercator:
 Scale_Factor_at_Central_Meridian: 0.9996
 Longitude_of_Central_Meridian: -117.0
 Latitude_of_Projection_Origin: 0.0
 False_Easting: 500000
 False_Northing: 0.0
 Planar_Coordinate_Information:
 Planar_Coordinate_Encoding_Method: row and column
 Coordinate_Representation:
 Abscissa_Resolution: 1
 Ordinate_Resolution: 1
 Planar_Distance_Units: meters
 Geodetic_Model:
 Horizontal_Datum_Name: North American Datum of 1983
 Ellipsoid_Name: Geodetic Reference System 80 (GRS 80)
 Semi-major_Axis: 6378137
 Denominator_of_Flattening_Ratio: 298.257

Entity_and_Attribute_Information:
 Overview_Description:
 Entity_and_Attribute_Overview:
 24-bit pixels, 3 band color(RGB)
 values 0 - 255
 Entity_and_Attribute_Detail_Citation: None

Distribution_Information:
 Distributor:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: Supervisor Sales Services Branch
 Contact_Organization: USDA-FSA-APFO Aerial Photography Field Office
 Contact_Address:
 Address_Type: mailing and physical address
 Address: 2222 West 2300 South
 City: Salt Lake City
 State_or_Province: Utah
 Postal_Code: 84119-2020
 Country: USA
 Contact_Voice_Telephone: 801-975-3503
 Contact_Facsimile_Telephone: 801-975-3532
 Contact_Electronic_Mail_Address: sales@apfo.usda.gov

Distribution_Liability:
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Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: GeoTIFF - Georeferenced Tagged Image File Format

Format_Information_Content: Natural Color

Digital_Transfer_Option:

Offline_Option:

Offline_Media: CD-ROM

Recording_Format: ISO 9660 Mode 1 Level 2 Extensions

Fees: Contact the Aerial Photography Field Office for more information

Resource_Description:

n_4511601_ne_11_1_20060709_20061218.tif

Metadata_Reference_Information:

Metadata_Date: 20070312

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USDA-FSA-APFO Aerial Photography Field Office

Contact_Address:

Address_Type: mailing and physical address

Address: 2222 West 2300 South

City: Salt Lake City

State_or_Province: Utah

Postal_Code: 84119-2020

Country: USA

Contact_Voice_Telephone: 801-975-3503

Metadata_Standard_Name:

Content Standard for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998