Onondaga County Ortho 4 bd 12in

Metadata:

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Identification_Information:

   Citation:

      Citation_Information:

         Originator: NYS Office of Information Technology Services, GIS Program Office
         Publication_Date: 20181203
         Title:
            Onondaga County Ortho 4 bd 12in
         Geospatial_Data_Presentation_Form: raster digital data
         Series_Information:

            Series_Name: NYS Digital Ortho-imagery Program (NYSDOP)
            Issue_Identification: 2018 imagery in Onondaga County

         Publication_Information:

            Publication_Place: Albany, New York
            Publisher: NYS Office of Information Technology Services, GIS Program Office

   Description:

      Abstract:
         These files contain 2018 digital Ortho-imagery of Onondaga County, New York. Image pixel size is 1' GSD. Image type is 4-band, RGB & NIR. The Image horizontal accuracy is within 4' at the 95% confidence level (NSSDA). Each file contains an image covering 2000 ft. by 3000 ft. on the ground.
      Purpose:
         This digital Ortho-imagery can serve a variety of purposes, from general planning to field reference for spatial analysis to a tool for revision of vector maps. It can also serve as a reference layer for GIS.

   Time_Period_of_Content:

      Time_Period_Information:

         Single_Date/Time:

            Calendar_Date: 20180505
            Calendar_Date: 20180507
            Calendar_Date: 20180517

Currentness_Reference:
> ground condition

Status:

> *Progress:* Complete
> *Maintenance_and_Update_Frequency:* Irregular

Spatial_Domain:

> *Bounding_Coordinates:*

>> *West_Bounding_Coordinate:* -76.228621
>> *East_Bounding_Coordinate:* -75.901254
>> *North_Bounding_Coordinate:* 43.226974
>> *South_Bounding_Coordinate:* 43.060879

Keywords:

> *Theme:*

>> *Theme_Keyword_Thesaurus:* none
>> *Theme_Keyword:* Digital Ortho-imagery

> *Place:*

>> *Place_Keyword_Thesaurus:* none
>> *Place_Keyword:* Onondaga County
>> *Place_Keyword:* New York

Point_of_Contact:

> *Contact_Information:*

>> *Contact_Person_Primary:*

>>> *Contact_Person:* Tim Ruhren
>>> *Contact_Organization:* NYS ITS GIS Program Office

>> *Contact_Address:*

>>> *Address_Type:* mailing and physical address
>>> *Address:*
>>>> NYS GIS Program Office (State Government)
>>> *Address:*
>>>> 10B Airline Drive
>>> *City:* Albany
>>> *State_or_Province:* New York
>>> *Postal_Code:* 12235
>>> *Country:* USA

>> *Contact_Voice_Telephone:* (518) 242-5029
>> *Contact_Electronic_Mail_Address:* tim.ruhren@its.ny.gov
>> *Hours_of_Service:* 9am -4:30pm Eastern time

Data_Set_Credit:

NYS ITS GIS Progam Office
Security_Information:

Native_Data_Set_Environment:
Microsoft Windows 7 Professional Service Pack 1; ESRI ArcCatalog 10.3

Data_Quality_Information:

Logical_Consistency_Report:
The dataset contains raster images or digital ortho images so the logical consistency report is not applicable. The New York State Office of Information Technology Services makes no claims to the accuracy of the information in this file. THE GIS DATA IS PROVIDED AS IS AND WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, AS TO THEIR PERFORMANCE, MERCHANTABILITY, OR FITNESS FOR ANY PARTICULAR PURPOSE. NYS ITS does not represent or warrant that the GIS data is error-free, complete, current, or accurate. The file naming convention was supplied by New York State. When the ortho tiles were created the file names were restricted to a numeric value representing the lower left corner of the ortho tile. These tiles were then all renamed using a batch script so that they reflected the N.Y. state standard (i.e. "l_15510420_06_08200_4bd_2016.tif"). Consistency of file naming was ensured by using a batch process. The file naming convention consists of the first letter for Central, East, West or Long Island for New York State Plane Coordinate Systems (NYSPCS). The following four numeric characters represent the first four characters of the "X" coordinate value for the tile's lower left corner coordinate in NYSPCS and the next four characters represent the first four characters of the "Y" coordinate value for the tile's lower left corner coordinate in NYSPCS. The next two numeric characters represent the tile's Ground Sampling Distance (GSD) value in ft. The following five numeric characters represent the Above Mean Terrain (AMT) nominal height at which the Ultracam X sensor recorded or collected the original imagery for the corresponding area. The next three characters are "4bd" for 4-band ortho-photos. Lastly, the last four numeric digits represent the year in which the particular ortho was created.
Completeness_Report:
The project consisted of 3983 final tiles.
Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:
+/-4 ft. at the 95% confidence level (NSSDA) for 12 inch resolution.

Lineage:

Process_Step:

Process_Description:
The Digital Natural Color aerial imagery was acquired in May 2018 using a Microsoft Ultracam Eagle sensor flown at a nominal height of approximately 15,400' AMT (Above Mean Terrain). ABGPS data was also collected and processed using POSPac (version 8.1) Mobile Mapping Suite. The Ground Control used to support the 4-band ortho-imagery production was collected by identifying and surveying photo identifiable points (PID), using existing PIDs, and existing aerial targets. The Digital Aerial Triangulation (DAT) was performed, primarily, using softcopy workstations and Vexcel UltraMap coupled with BINGO. Digital Surface Models (DSM) used for ortho imagery production were generated and updated as needed using UltraMap mapping software.

The images were then ortho-rectified using UltraMap ortho dtm software modules. Color balancing, seamless mosaicking was performed by automatic seam line creation steps, final color balancing and final extractions were also accomplished using this software. A final tile by tile quality control was performed using Adobe PhotoShop software. The imagery product deliverables are GeoTIFF images with embedded header information describing the required projection, pixel size, tile size and other related data and corresponding world files (.tfw). Derivative compressed imagery is also available in JP2000 format.

Process_Date: 201807
Source_Produced_Citation_Abbreviation:
    Aerial Imagery
Process_Contact:

    Contact_Information:

        Contact_Person_Primary:

            Contact_Person: Brian Tolley
            Contact_Organization: Axis GeoSpatial, LLC

        Contact_Position: Quality Manager
        Contact_Address:

            Address_Type: mailing address
            Address:
                28640 Mary's Court, Suite 200
            City: Easton
            State_or_Province: Maryland
            Postal_Code: 21601
            Country: USA

        Contact_Voice_Telephone: 410-822-1441
        Contact_Electronic_Mail_Address: btolley@axisgeospatial.com
        Hours_of_Service: 9am - 5pm Eastern Time

Cloud_Cover: <1%

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Spatial_Data_Organization_Information:

    Direct_Spatial_Reference_Method: Raster
    Raster_Object_Information:

        Raster_Object_Type: ortho
        Row_Count: 2000
        Column_Count: 3000
        Vertical_Count: 1

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Spatial_Reference_Information:

    Horizontal_Coordinate_System_Definition:

Planar:

Map_Projection:

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 0.999900
Longitude_of_Central_Meridian: -74.500000
Latitude_of_Projection_Origin: 38.833333
False_Easting: 492125.000000
False_Northing: 0.000000

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:

Abscissa_Resolution: 0.000000
Ordinate_Resolution: 0.000000

Planar_Distance_Units: survey feet

Geodetic_Model:

Horizontal_Datum_Name: D_North_American_1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 6378137.000000
Denominator_of_Flattening_Ratio: 298.257222

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Metadata_Reference_Information:

Metadata_Date: 20181203
Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tim Ruhren
Contact_Organization: NYS ITS GIS Program Office

Contact_Position: NYS GIS Clearinghouse
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Address_Type: mailing and physical address
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    NYS GIS Program Office (State Government)
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Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time

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