**Oriented Imagery Catalog**

**Drone2Map OICType**

**Introduction**:

The Drone2Map OIC Type allows user to add data to an OIC from a Drone 2 Map project. It takes as input two files from the Drone2Map project folder as input.

**Installation & Usage**:

To use this OIType follow these instructions.

1. Copy the following files to c:\Image\_Mgmt\_Workflows\OrientedImagery\Types\

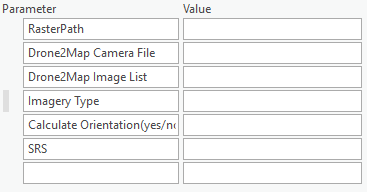
* Drone2Map.py
* Drone2Map.oitype

1. Start Pro.
2. Create a new Oriented Imagery Catalog.
3. Add Images to the OIC using the Drone2Map OICType

**Input Data**:

The input data required to ingest this data are the single frame image files in the Drone2Map project, the image list (calibrated\_images\_position.txt file) and the internal camera parameter file (calibrated\_internal\_camera\_parameters.cam)

**Adding Drone2Map Data to OIC**

1. Create a New OIC.
2. Select Add Images to Oriented Imagery Catalog.
3. Select the Newly created OIC.
4. Input Type should be Drone2Map.
5. Enter parameters for the following:

**RasterPath**: Path to the images.

**Drone2Map Camera File**: The camera file is normally found in the Drone2map project folder.

d:\<D2MProject>\process\<project>\1\_initial\params. Look for a file that ends in ‘calibrated\_internal\_camera\_parameters.cam’

**Drone2Map Image List** : The Image list is normally found in the Drone2map project folder.

d:\<D2MProject>\process\<project>\1\_initial\params. Look for a file that ends in ‘calibrated\_external\_camera\_parameters.txt’

**Image Type** : Image type will add a type and filter to the OIC. This can be used when sorting images when for example Nadir and Oblique images are added to a single catalog.

**Calculate Orientation (yes/no)**: enter yes or no for this. Entering yes here will calculate the camera orientation parameters for each image and add it to the OIC.

**SRS** : Specify the WKID of the source SRS of the data. This can be different from the OIC SRS. Its important to give the correct SRS for the data so correct transformation can take place.

**Steps after Add Data**:

Once all the data has been added to the OIC, Follow these steps. For detailed info regarding each step refer to the user document in c:\Image\_Mgmt\_Workflows\OrientedImagery\Documentation.

1. Run Create Coverage Features
2. Run Create Coverage Map
3. Run Analyse Oriented Imagery Catalog
4. Run Publish Oriented Imagery Catalog