

## **Data Files**

1. The folder structure (shown below) gets created as soon as a new project is made or create\_folder api is executed, and all files/images gets saved into respected folders as we proceed with other api executions
2. For instance, when we create a project, a usecase id '1' gets created inside 'Satellite\_WB' folder. And the folder structure appears as shown below:

```
/Satellite_WB/1/  
---data_dir  
-----tarfile  
-----01  
-----02  
-----03  
...  
-----rawbands  
-----01  
-----02  
-----03  
...  
-----clippedbands  
-----01  
-----02  
-----03  
...  
-----rgb_mband  
-----01.tif  
-----02.tif  
-----03.tif  
...  
-----stacked  
-----01.tif  
-----02.tif  
-----03.tif  
...  
-----jpegs  
-----01.jpg  
-----02.jpg  
-----03.jpg  
...  
-----gt_mband_classes  
-----01_vegetation.tif  
-----01_water.tif  
-----02_vegetation.tif  
-----02_water.tif
```

```

-----03_vegetation.tif
-----03_water.tif
...
-----gt_mband
-----train
-----test
-----01.tif
-----02.tif
-----03.tif
...
-----mband
-----indices_raw
-----01
-----02
-----03
...
-----indices_color
-----01
-----02
-----03
...
-----merged_bands
-----pred_masks
-----UNET_weights_<timestamp>
-----UNET_weights_<timestamp>
-----UNET_weights_<timestamp>
...
--model_dir
-----model
-----logdir
-----plots
--config_dir

```

## **Sub-Directories**

### **Tarfiles:**

```

-----tarfile
-----01
-----<some img>.tar
-----02
-----<some img>.tar
-----03
-----<some img>.tar

```

**Raw Bands:**

```
-----rawbands
-----01
-----B1.tif
-----B2.tif
-----B3.tif
...
-----02
-----B1.tif
-----B2.tif
-----B3.tif
...
-----03
-----B1.tif
-----B2.tif
-----B3.tif
...
```

**Clipped Bands:**

```
-----clippedbands
-----01
-----B1.tif
-----B2.tif
-----B3.tif
...
-----02
-----B1.tif
-----B2.tif
-----B3.tif
...
-----03
-----B1.tif
-----B2.tif
-----B3.tif
...
```

**RGB Bands:**

```
-----rgb_mband
-----01.tif
-----02.tif
-----03.tif
...
```

**Stacked:**

-----stacked  
-----01.tif  
-----02.tif  
-----03.tif  
...

**JPEGs:**

-----jpegs  
-----01.jpg  
-----02.jpg  
-----03.jpg  
...

**GT-Mband Classes:**

-----gt\_mband\_classes  
-----01\_vegetation.tif  
-----01\_water.tif  
-----02\_vegetation.tif  
-----02\_water.tif  
-----03\_vegetation.tif  
-----03\_water.tif  
...

**GT-Mband:**

-----gt\_mband  
-----train  
-----01.tif  
-----03.tif  
...  
-----test  
-----02.tif  
...  
-----01.tif  
-----02.tif  
-----03.tif  
...

**Mband:**

-----mband

**Indices Raw:**

-----indices\_raw

-----01  
-----ndvi.tif  
-----ndwi.tif  
-----ndmi.tif  
-----ndgi.tif  
-----savi.tif  
-----msavi.tif  
-----ndsi.tif  
-----bi.tif  
-----nbr.tif  
-----si.tif  
-----evi.tif  
-----avi.tif

-----02  
-----03  
...

#### Indices Color:

-----indices\_color  
-----01  
-----ndvi.png  
-----ndwi.png  
-----ndmi.png  
-----ndgi.png  
-----savi.png  
-----msavi.png  
-----ndsi.png  
-----bi.png

-----02  
-----03  
...

#### Merged Bands:

-----merged\_bands

















#### Predicted Masks:

-----pred\_masks  
-----UNET\_weights\_<timestamp>  
-----0.1  
-----02\_map\_01.tif  
-----02\_map\_02.tif  
-----0.2

```

-----02_map_01.tif
-----02_map_02.tif
...
-----0.9
-----02_map_01.tif
-----02_map_02.tif

```

Name	Size	Changed	Rights	Owner	
 ..		1/20/2020 6:01:25 PM	rw-rw-r--	ubuntu	
 stacked		2/13/2020 12:52:51 PM	rw-rw-r--	ubuntu	
 jpegs		2/13/2020 12:52:51 PM	rw-rw-r--	ubuntu	
 pred_masks		2/12/2020 4:49:11 PM	rw-rw-r--	ubuntu	
 mband		2/12/2020 4:45:41 PM	rw-rw-r--	ubuntu	
 gt_mband		2/12/2020 4:45:41 PM	rw-rw-r--	ubuntu	
 rawbands		1/21/2020 4:59:51 PM	rw-rw-r--	ubuntu	
 gt_mband_classes		1/20/2020 6:19:52 PM	rw-rw-r--	ubuntu	
 thumbnails		1/20/2020 6:13:58 PM	rw-rw-r--	ubuntu	
 indices_color		1/20/2020 6:07:35 PM	rw-rw-r--	ubuntu	
 indices_raw		1/20/2020 6:06:49 PM	rw-rw-r--	ubuntu	
 rgb_mband		1/20/2020 6:06:48 PM	rw-rw-r--	ubuntu	
 clippedbands		1/20/2020 6:05:52 PM	rw-rw-r--	ubuntu	
 tarfile		1/20/2020 6:04:58 PM	rw-rw-r--	ubuntu	
 pan_mband		1/20/2020 6:01:25 PM	rw-rw-r--	ubuntu	
 merged_bands		1/20/2020 6:01:25 PM	rw-rw-r--	ubuntu	