

ASP Report

atlanta_stereo

Processed on: 2025-12-24 07:02:55

Processing Parameters

Reference DEM:

```
ref/cop30_atlanta_wgs84_utm.tif
```

Bundle Adjust (0 hours and 2 minutes):

```
bundle_adjust --threads 24 --ip-per-image 10000 --tri-weight 0.1 --  
tri-robust-threshold 0.1 --camera-weight 0  
10300100036D5200_P002_corr.tif 1030010003D22F00_P001_corr.tif  
10300100036D5200_P002.xml 1030010003D22F00_P001.xml -o ba/run
```

Stereo (0 hours and 45 minutes):

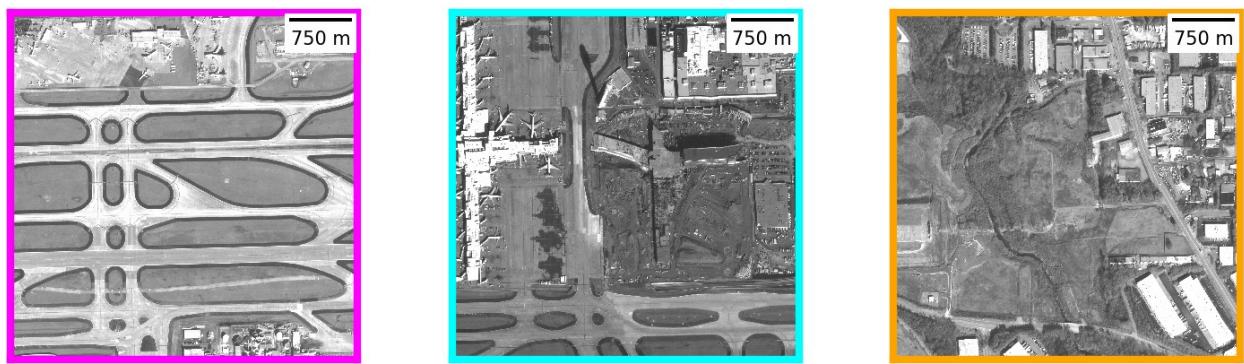
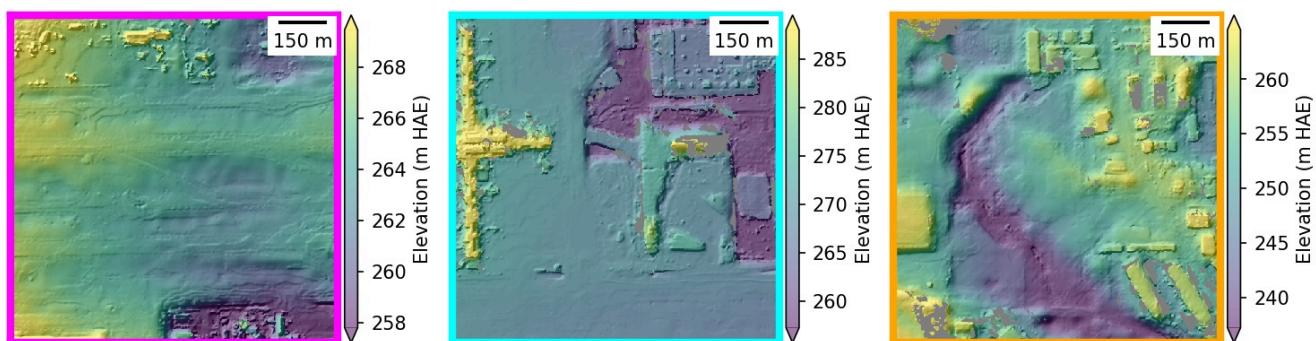
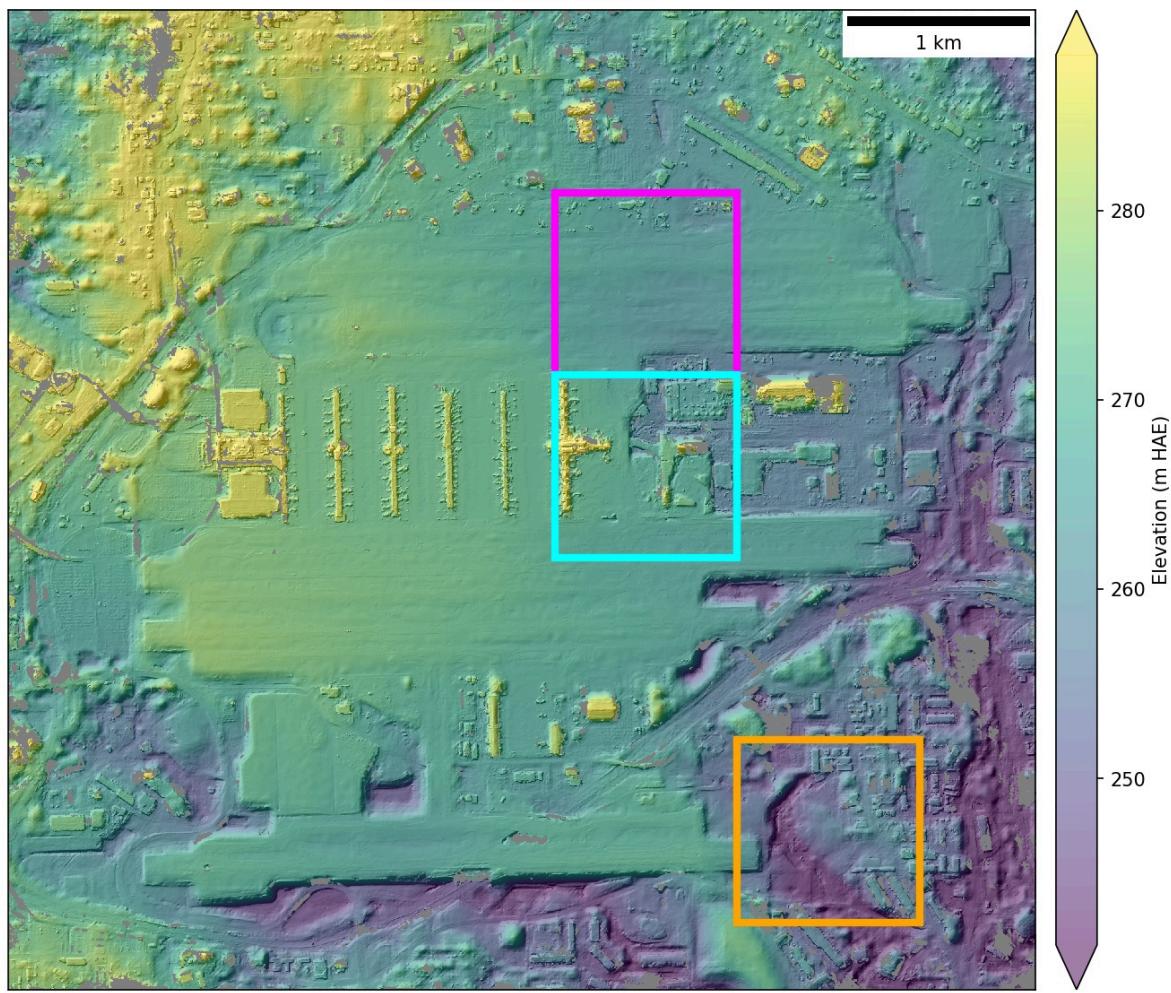
```
stereo --stereo-algorithm asp_mgm --subpixel-mode 9 --alignment-  
method none --bundle-adjust-prefix ba/run --corr-seed-mode 1 --  
compute-point-cloud-center-only --threads 48  
10300100036D5200_P002_corr_map.tif 1030010003D22F00_P001_corr_map.tif  
10300100036D5200_P002.xml 1030010003D22F00_P001.xml stereo/run ref/  
cop30_atlanta_wgs84_utm.tif
```

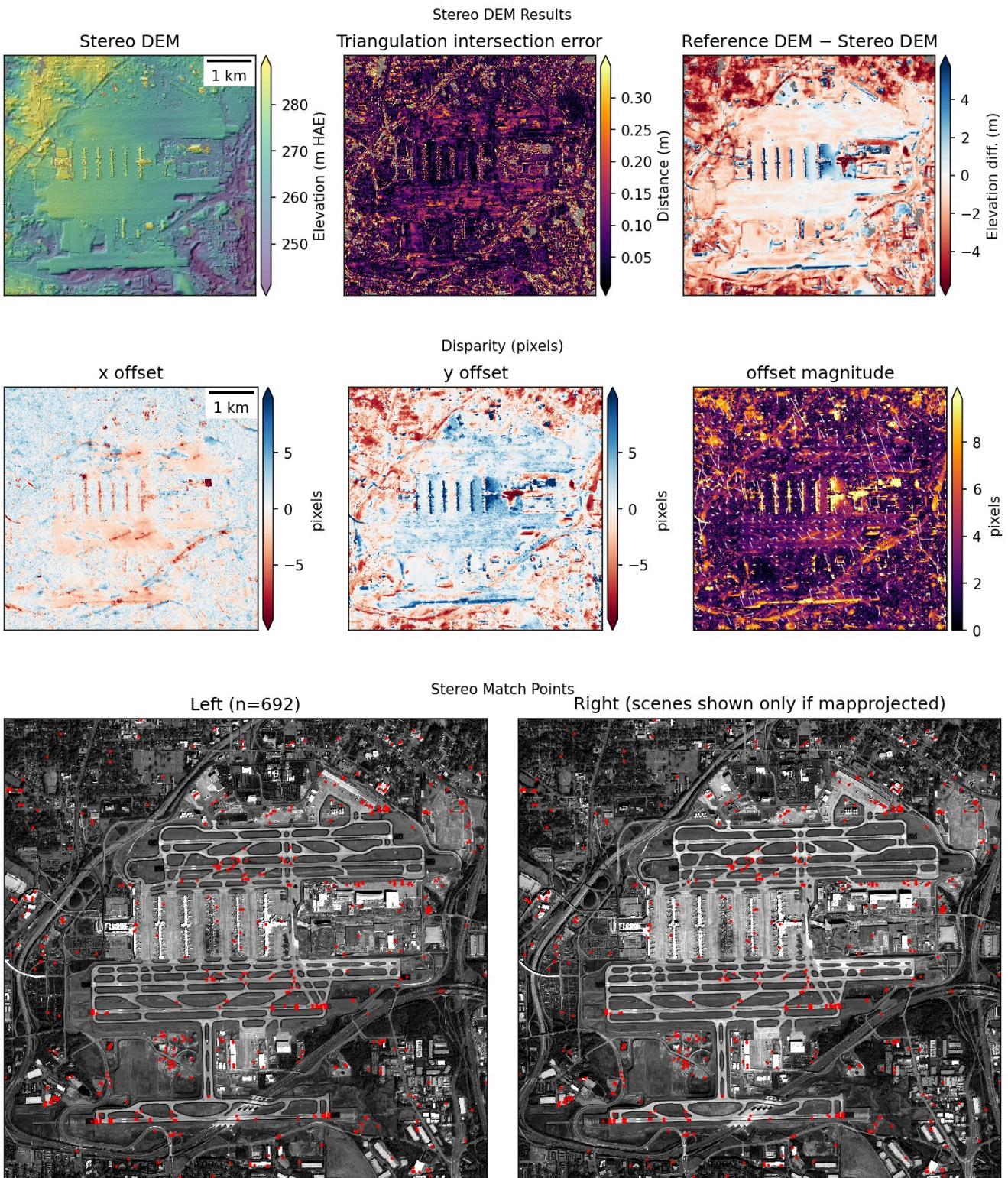
point2dem (0 hours and 1 minutes):

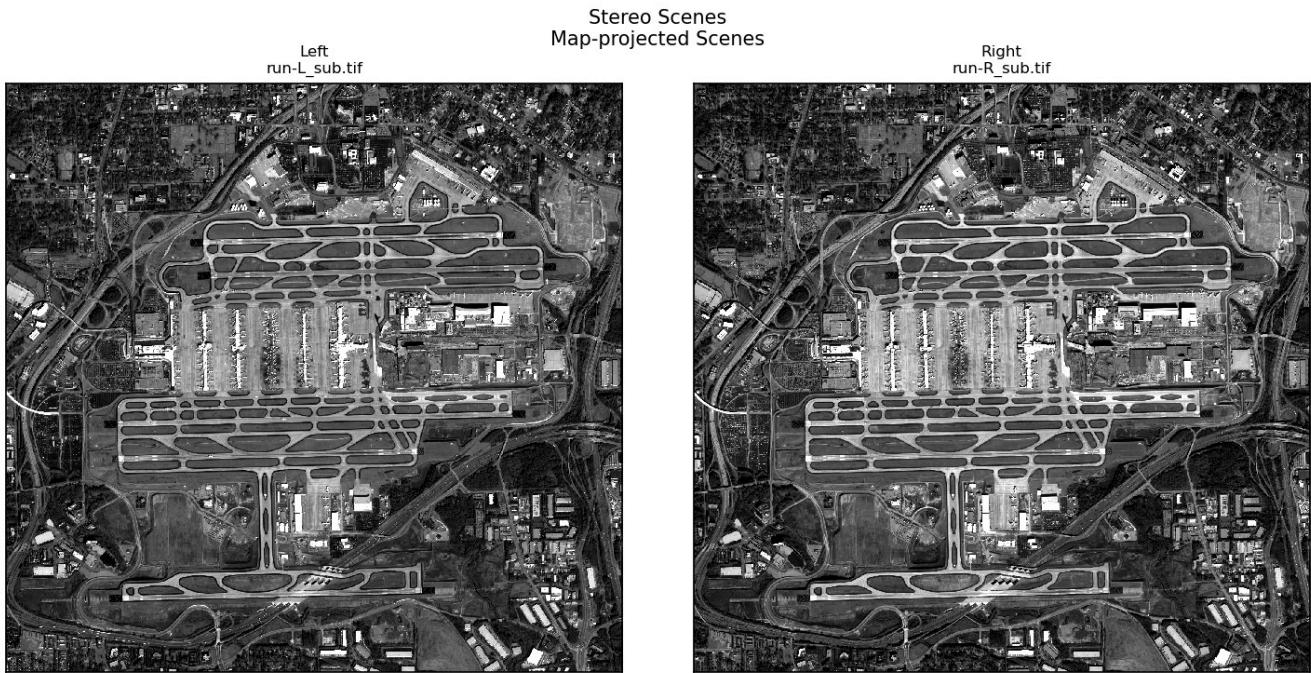
```
point2dem --tr 2 --t_srs EPSG:32616 --errorimage stereo/run-PC.tif
```

Plots

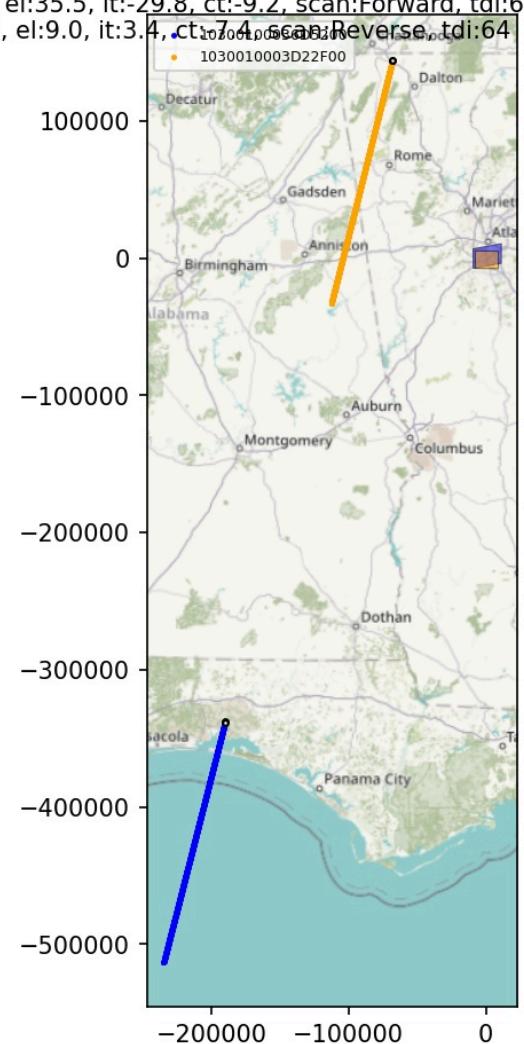
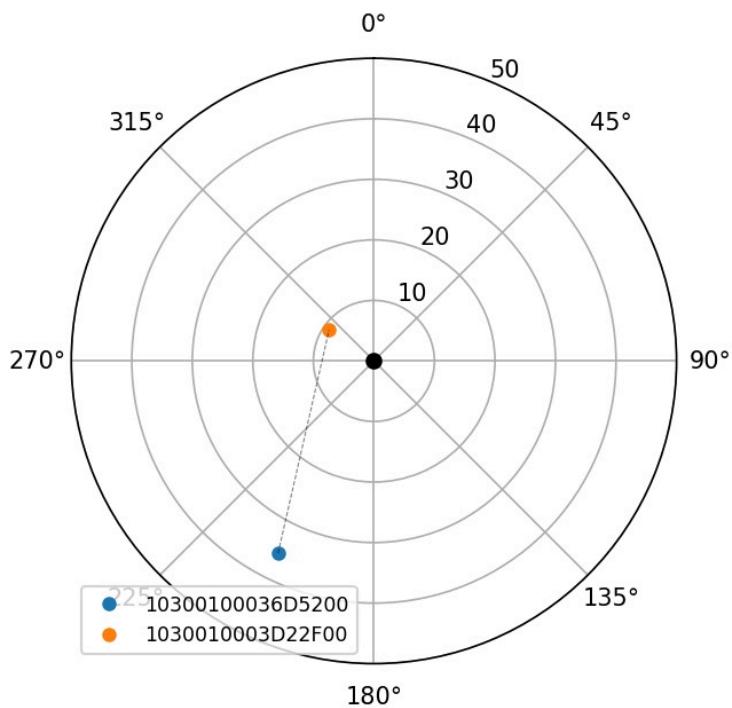
Hillshade with details



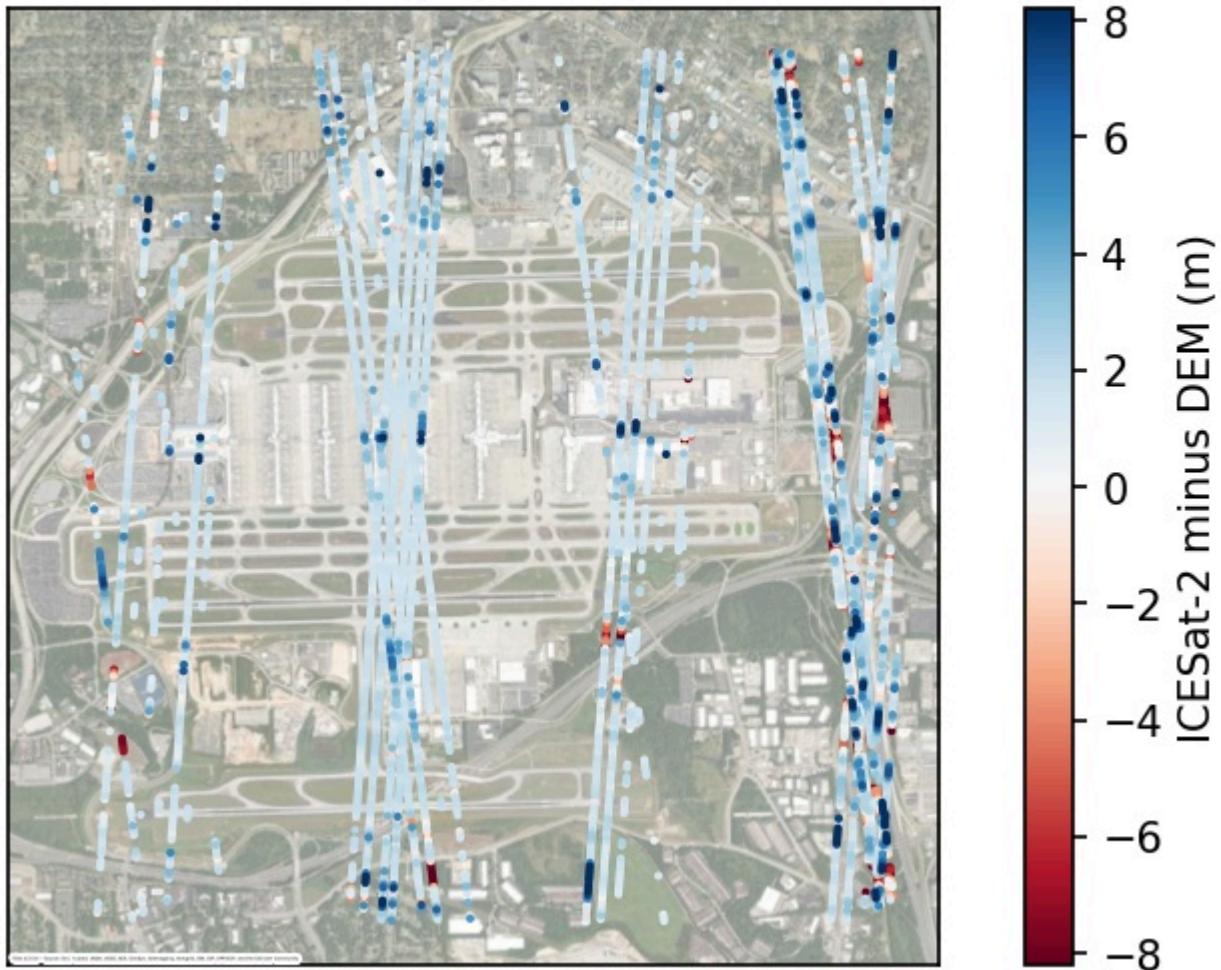




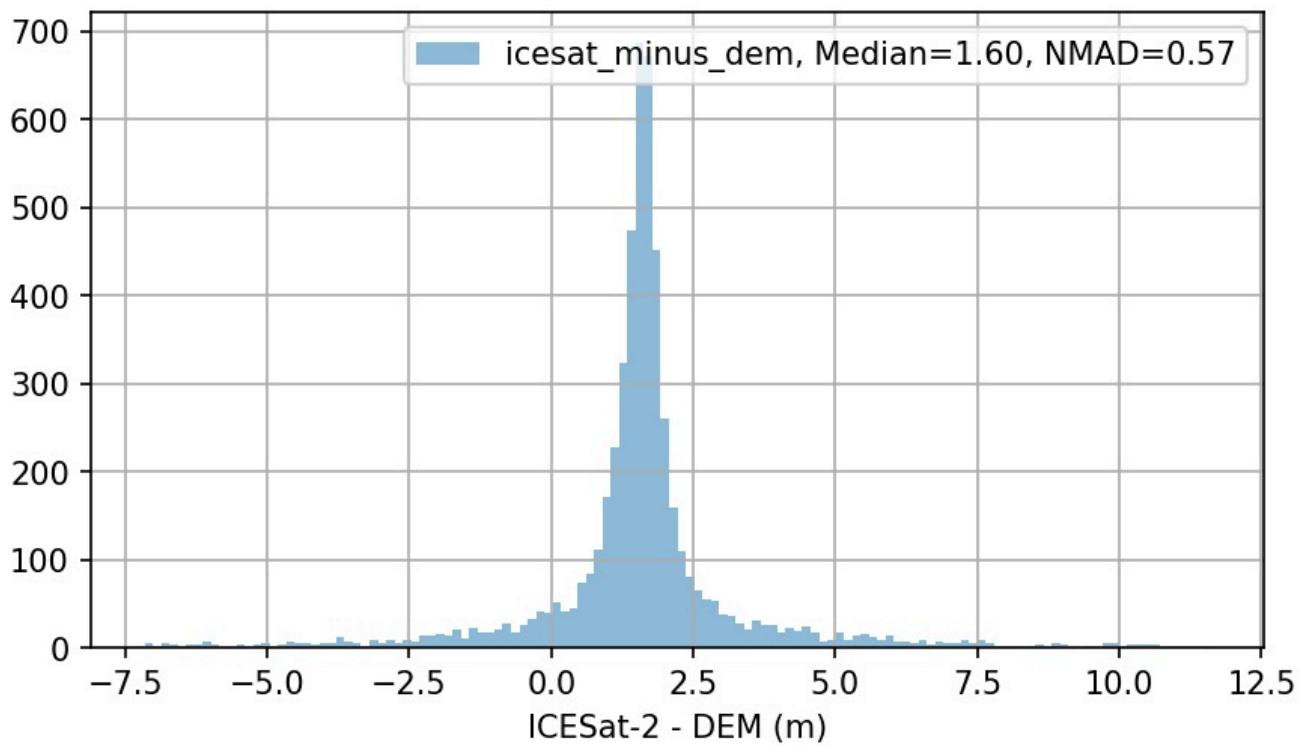
atlanta_stereo
Center datetime: 2009-12-22 16:36:57.884575
Time offset: 0:01:13.192000
Conv. angle: 37.68, B:H ratio: 0.68, BIE: 72.16, Assym Angle: 77.64, Int. area: 179.90 km²
ID:10300100036D5200, GSD:0.62, off:31.0, az:206.5, el:35.5, it:-29.8_ct:9.2, scan:Forward_tdi:64
ID:1030010003D22F00, GSD:0.48, off:8.1, az:304.5, el:9.0, it:3.4_ct:10.4, scan:Reverse_tdi:64



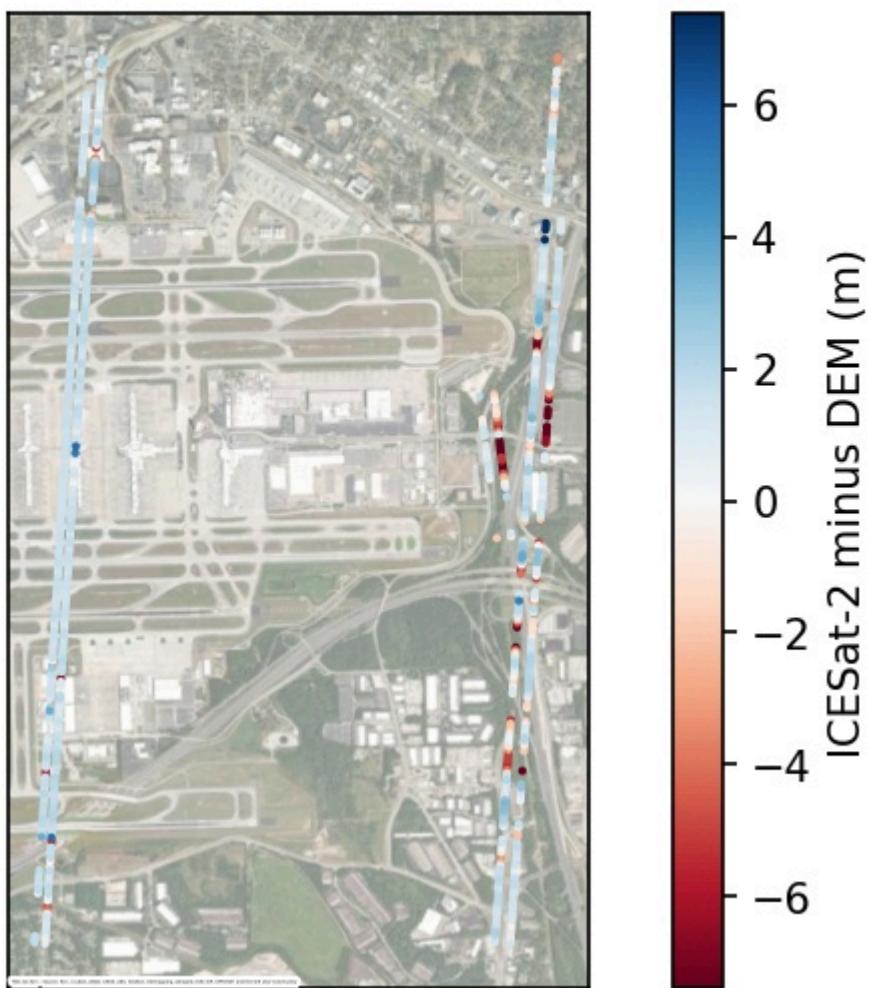
ICESat-2 ATL06-SR
all (n=5999)



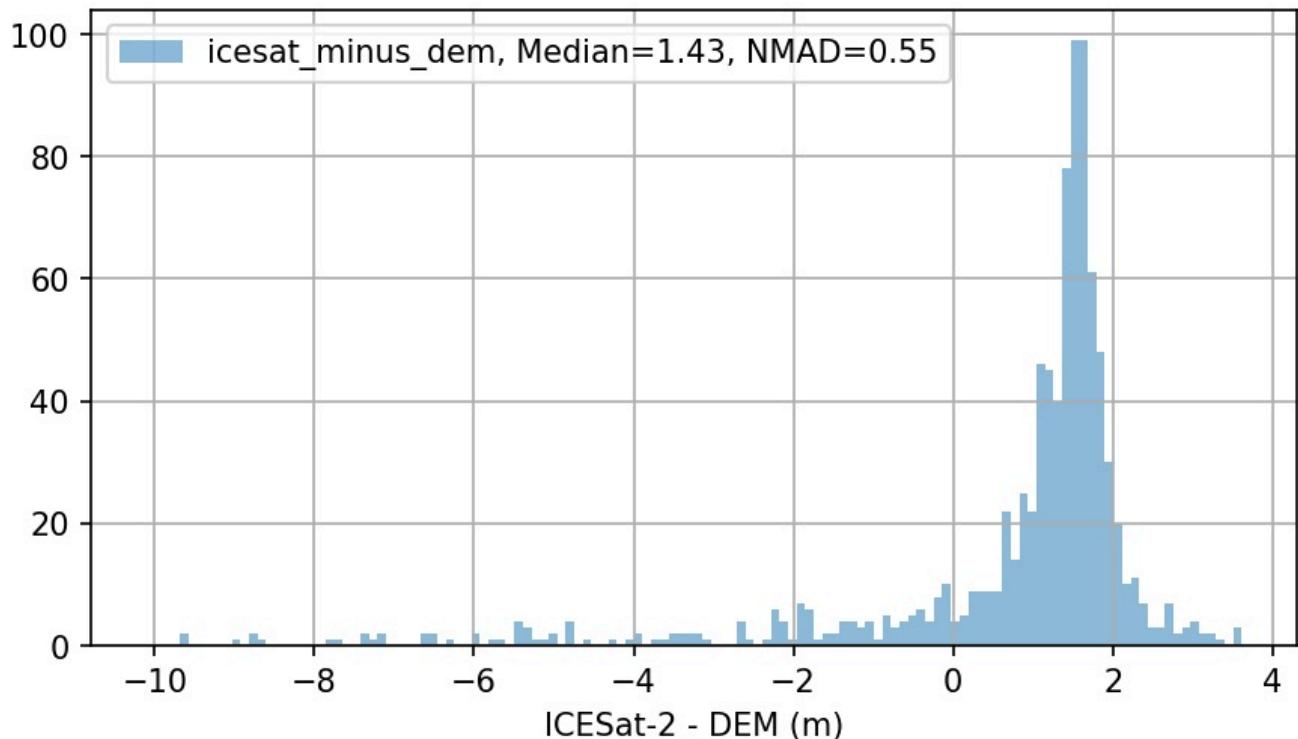
Histogram
all (n=5999)



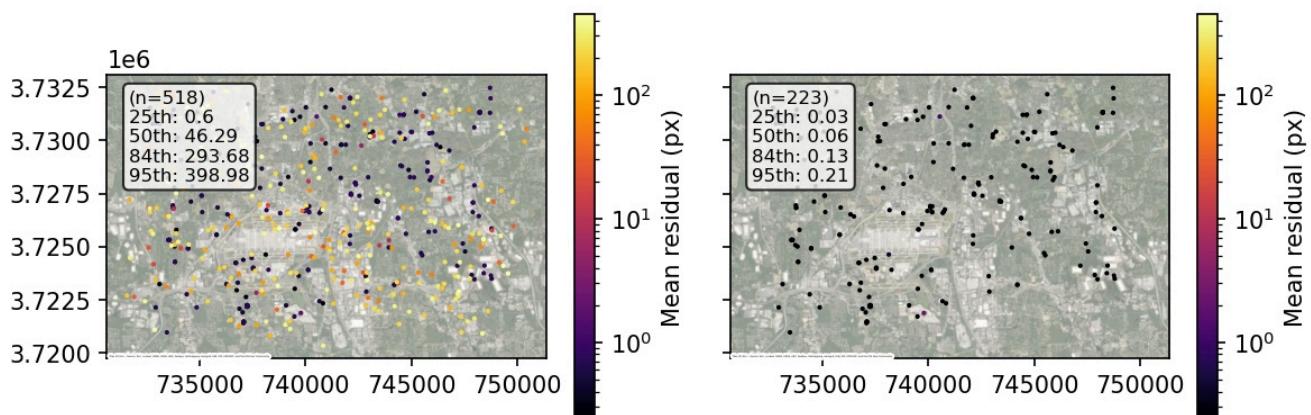
ICESat-2 ATL06-SR
ground_seasonal (n=1068)



Histogram
ground_seasonal (n=1068)



Bundle Adjust Initial and Final Residuals (Log Scale)



Bundle Adjust Initial and Final Residuals (Linear Scale)

