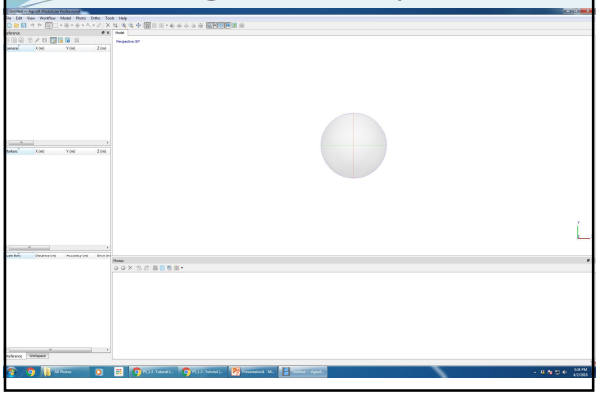
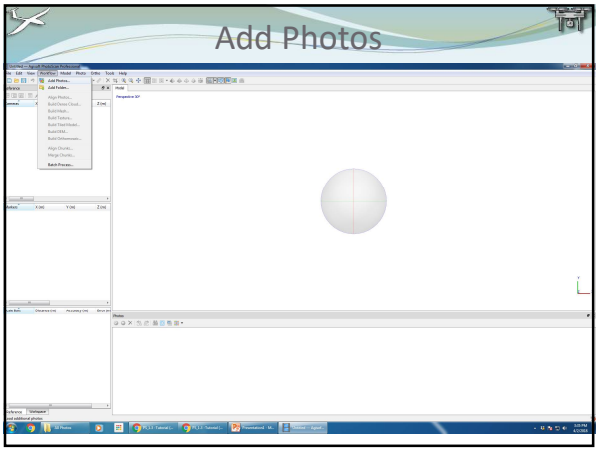
Terrain Modelling/ Orthorectification Demo

Agisoft Photoscan ver. 1.4.2

AgiSoft Desktop



Add Photos



Add Photos

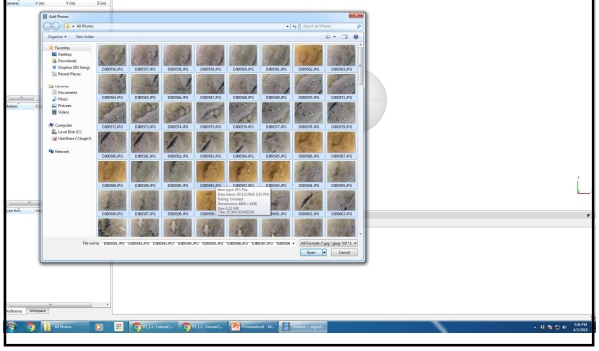
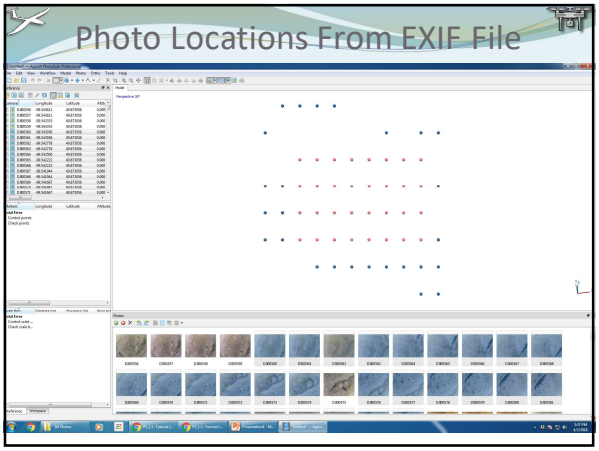
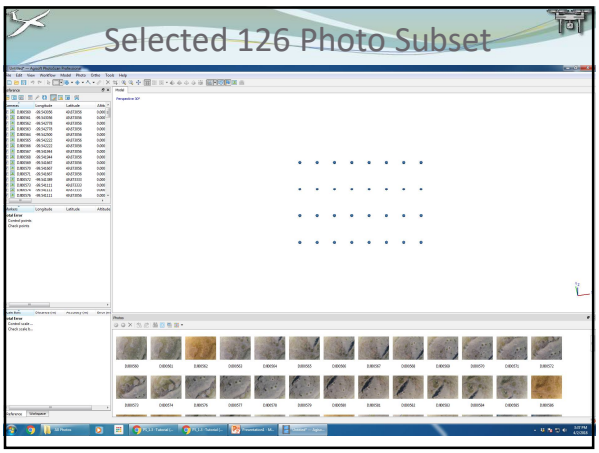
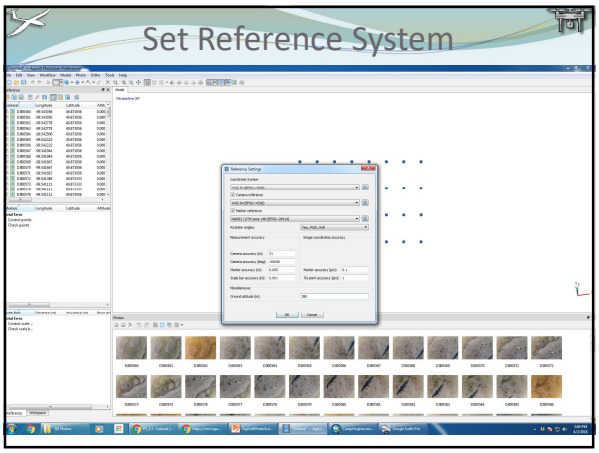


Photo Locations From EXIF File



Selected 126 Photo Subset

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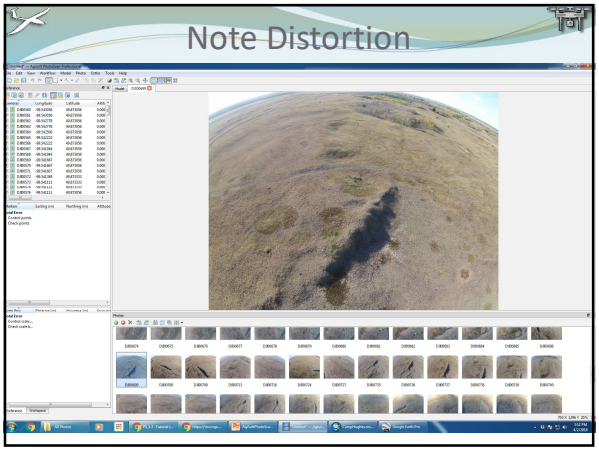
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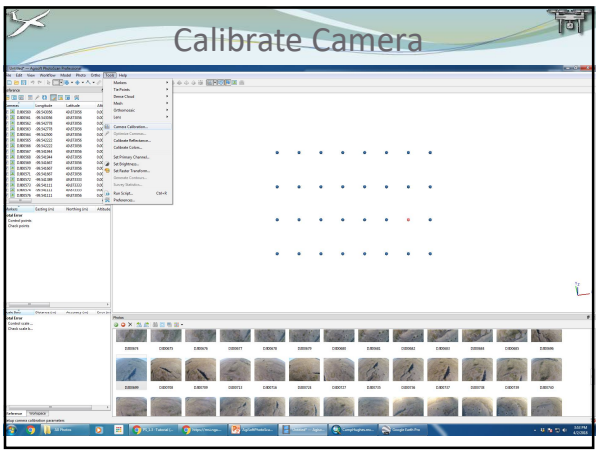
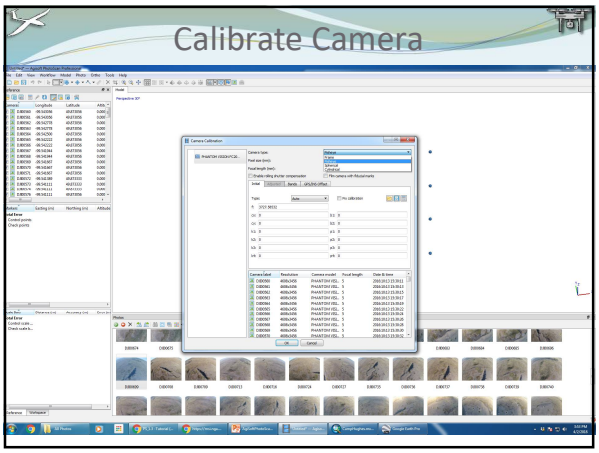

Calibrate Camera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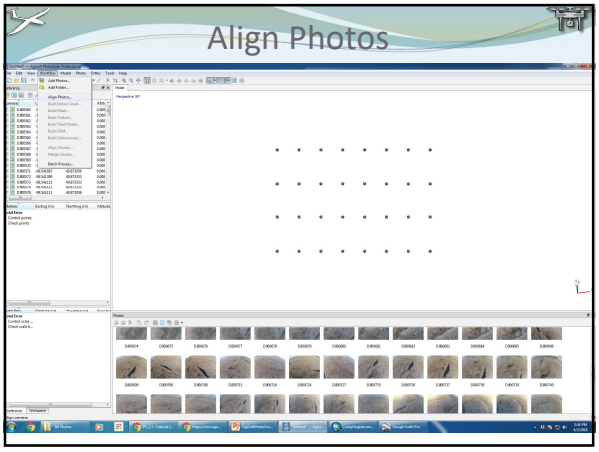
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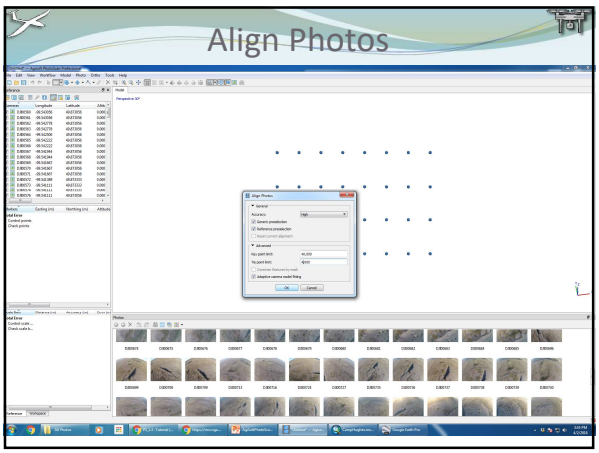
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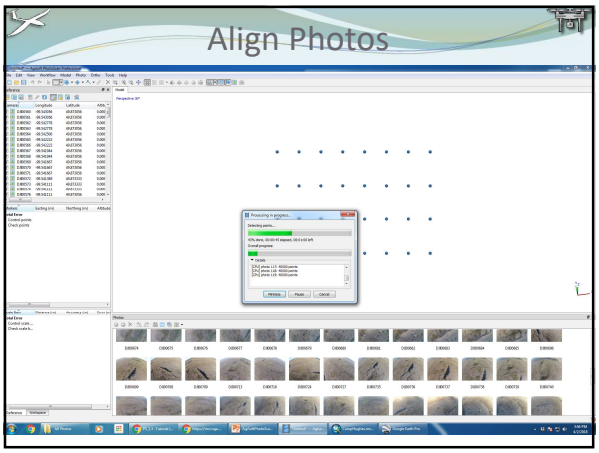
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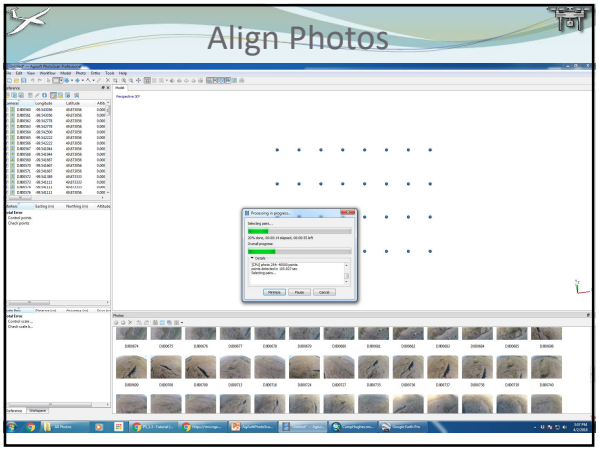
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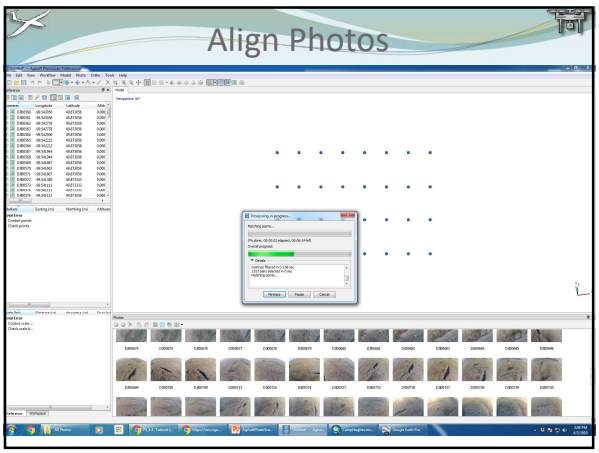
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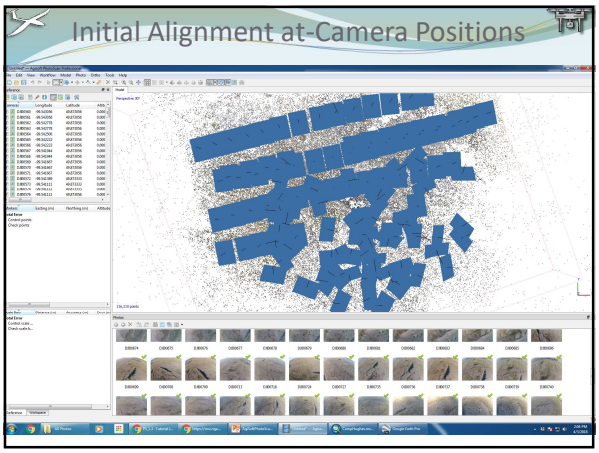
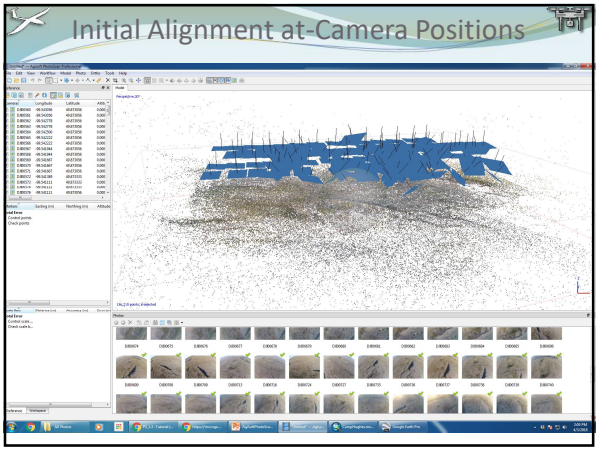
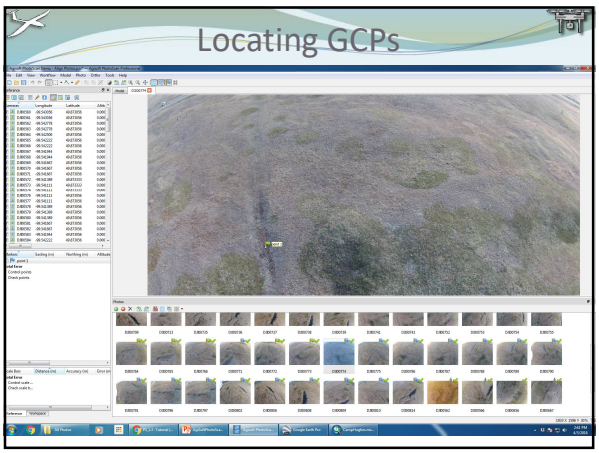
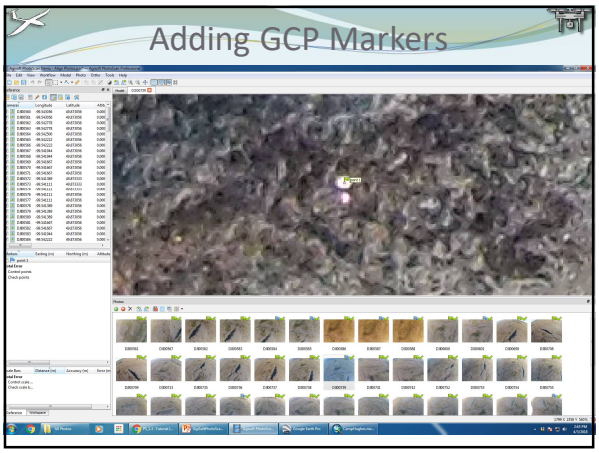

Initial Alignment at-Camera Positions

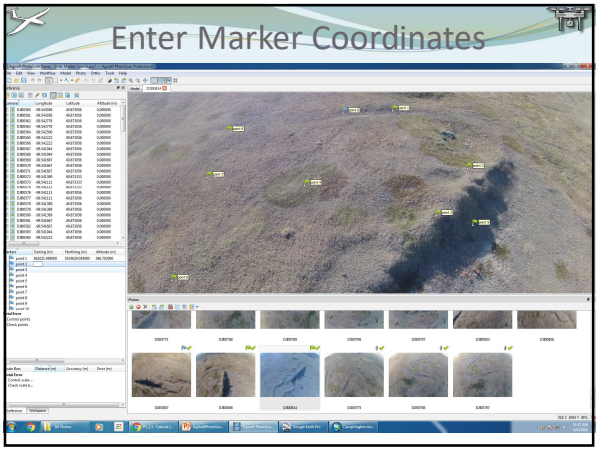

Initial Alignment at-Camera Positions


Locating GCPs

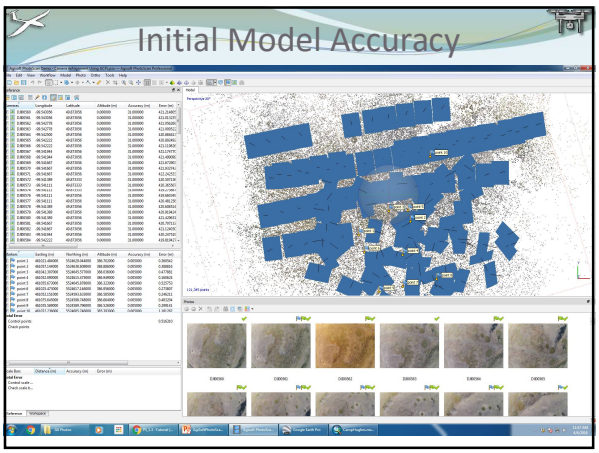
Adding GCP Markers



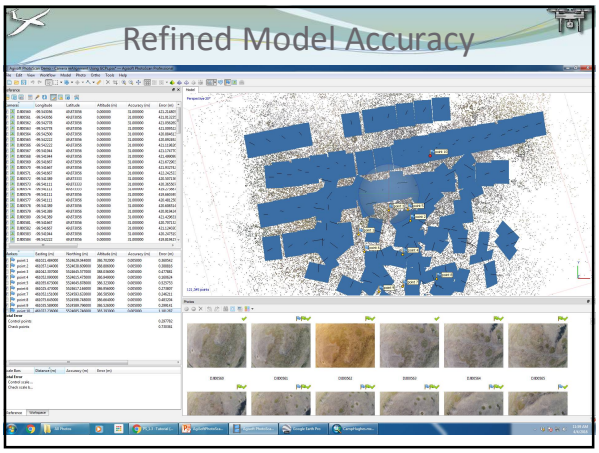
Enter Marker Coordinates



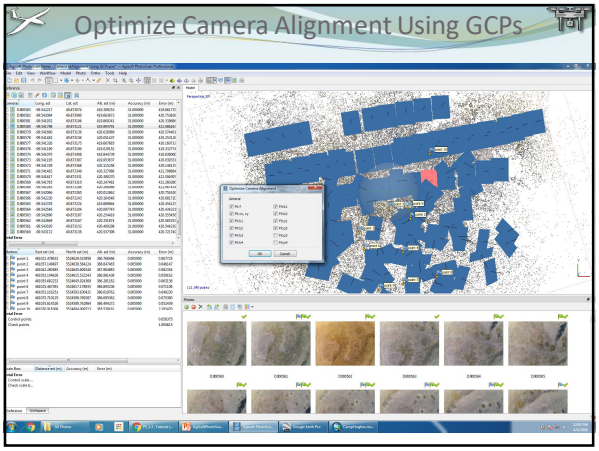
Initial Model Accuracy



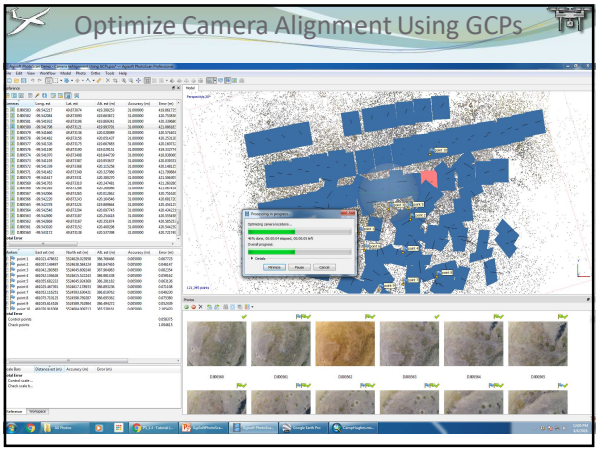
Refined Model Accuracy



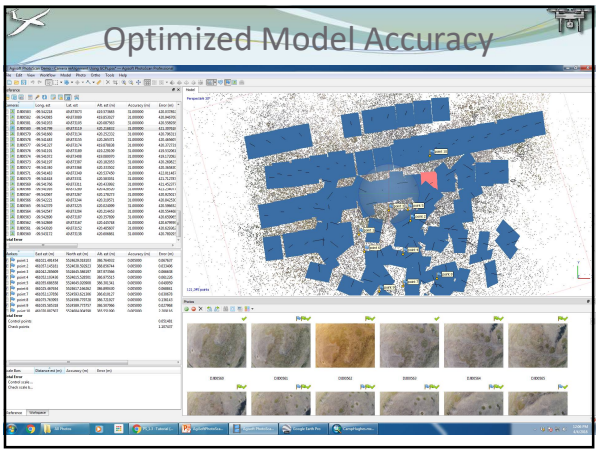
Optimize Camera Alignment Using GCPs



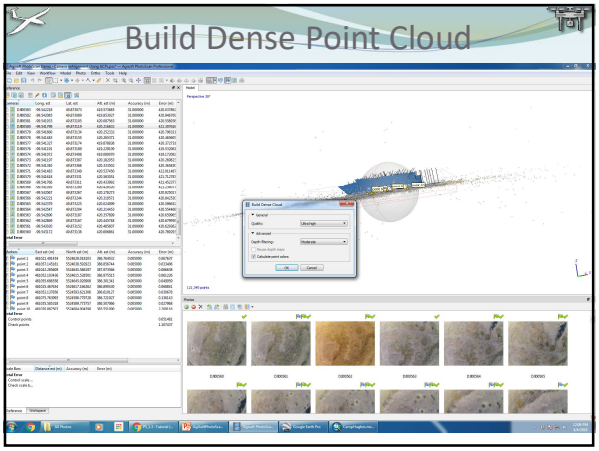
Optimize Camera Alignment Using GCPs



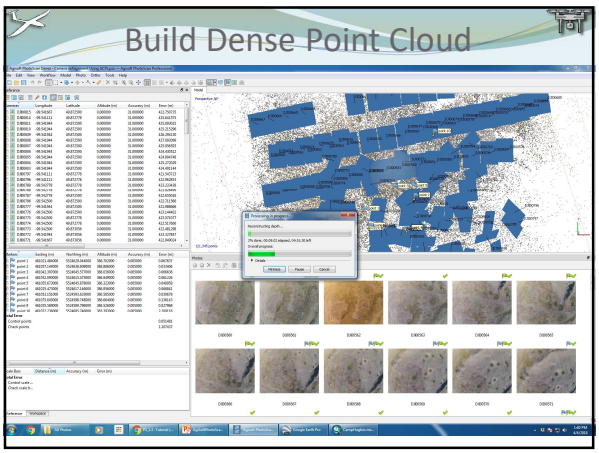
Optimized Model Accuracy

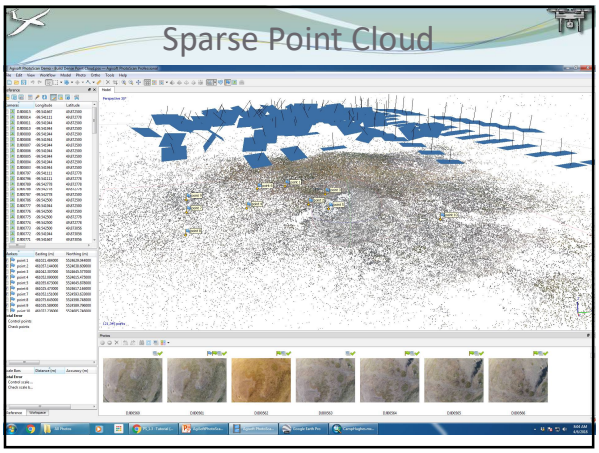


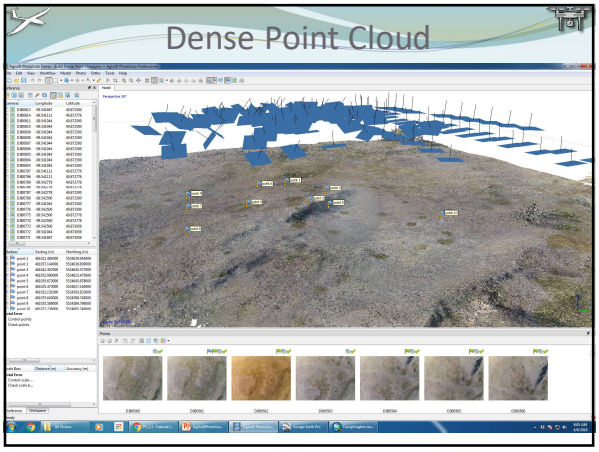
Build Dense Point Cloud

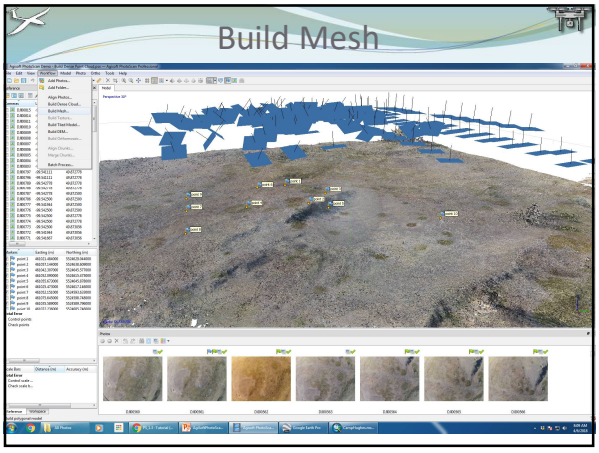


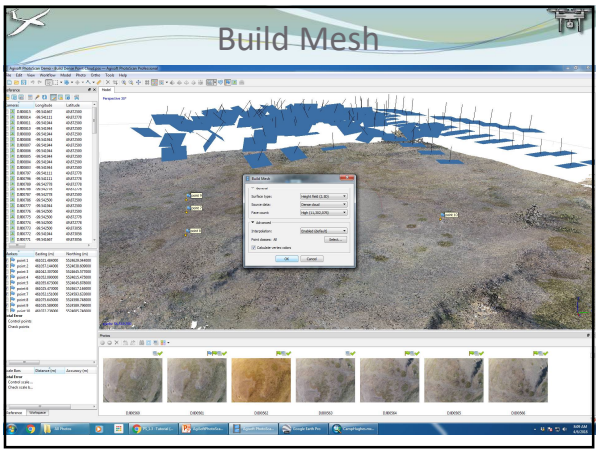
Build Dense Point Cloud




Sparse Point Cloud


Dense Point Cloud


Build Mesh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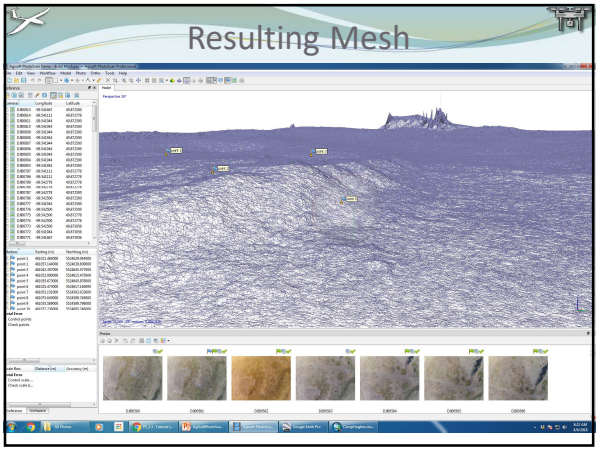
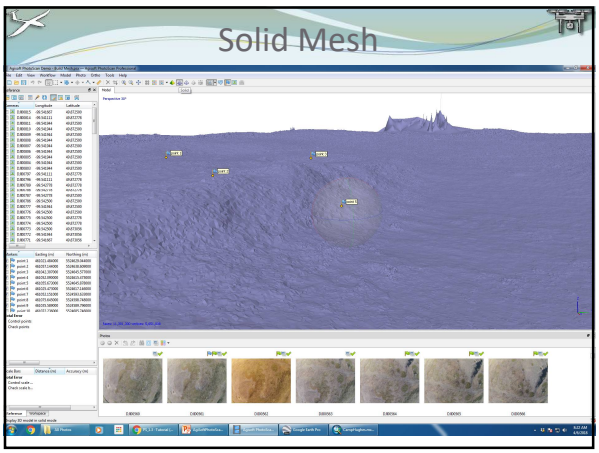
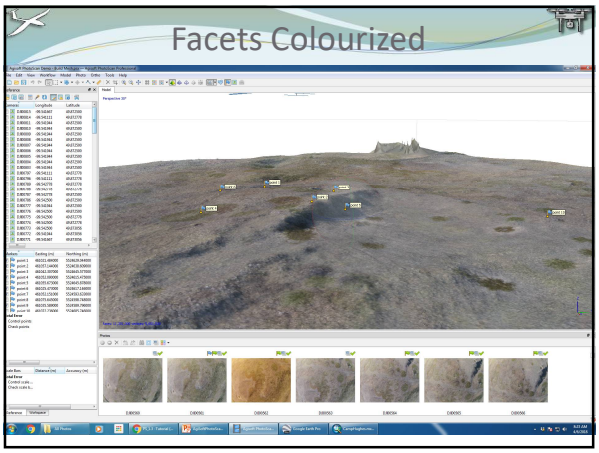
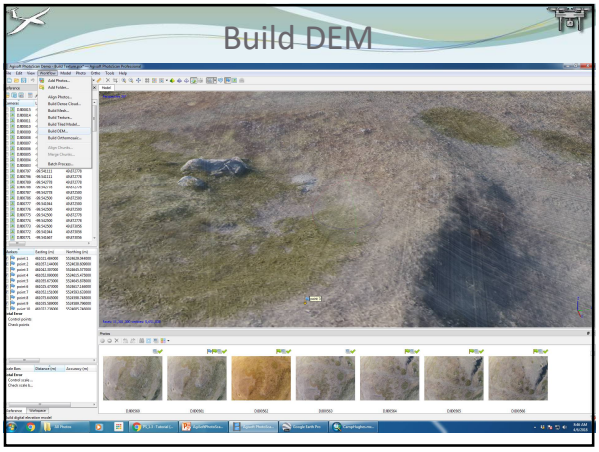

Resulting Mesh


Solid Mesh

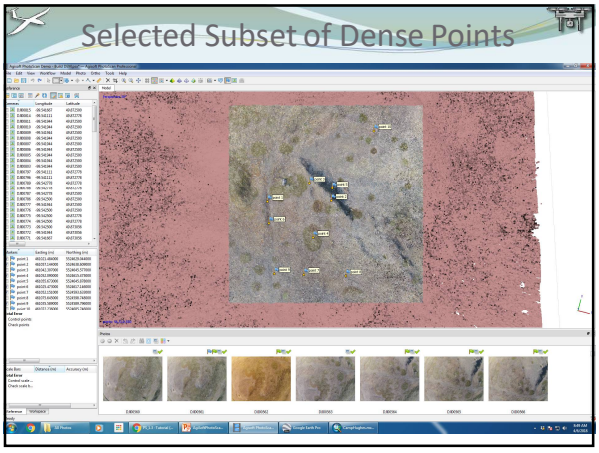
Facets Colourized



Build DEM



Selected Subset of Dense Points



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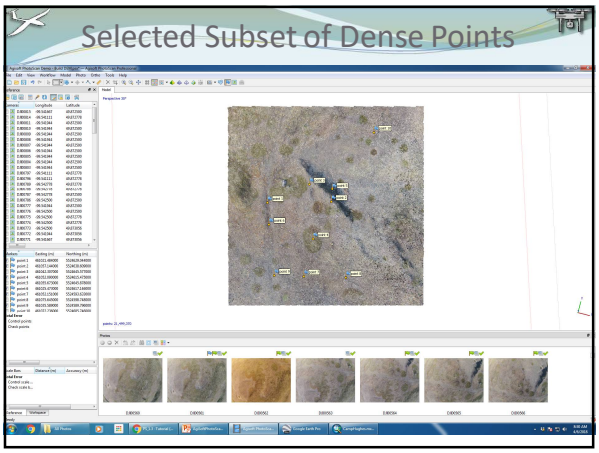
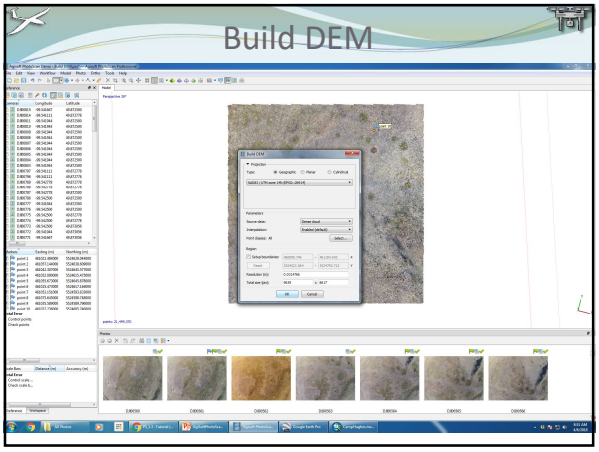
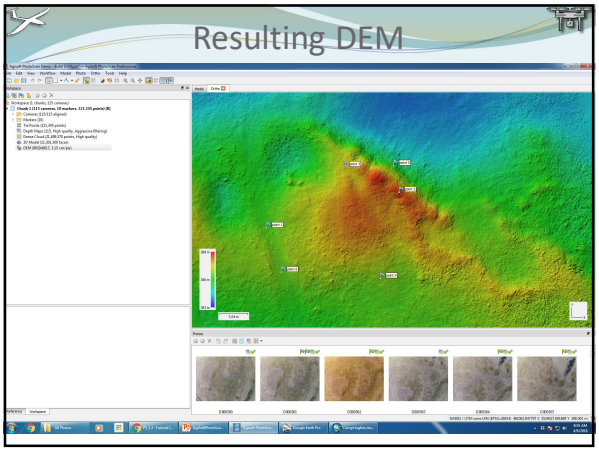


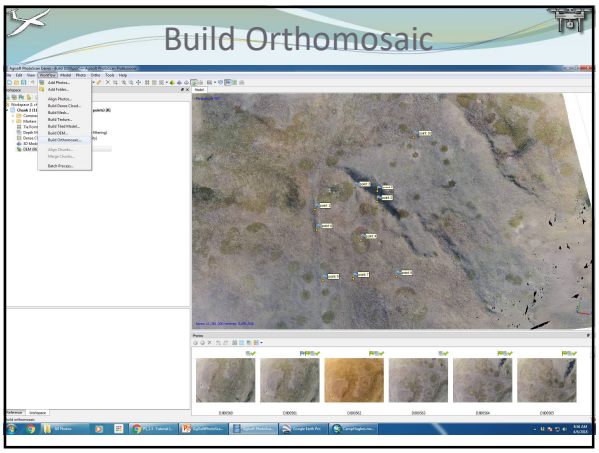
Build DEM



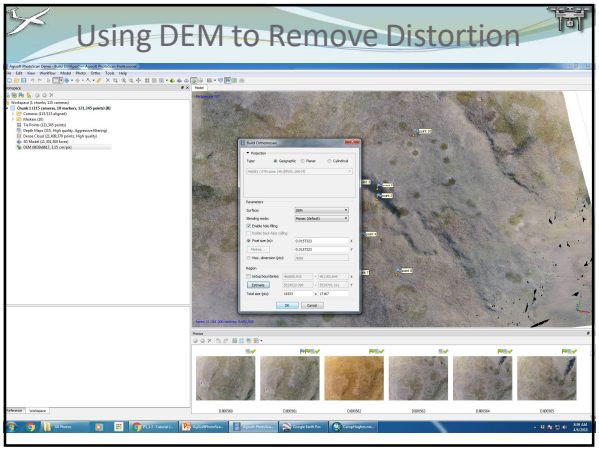
Resulting DEM



Build Orthomosaic

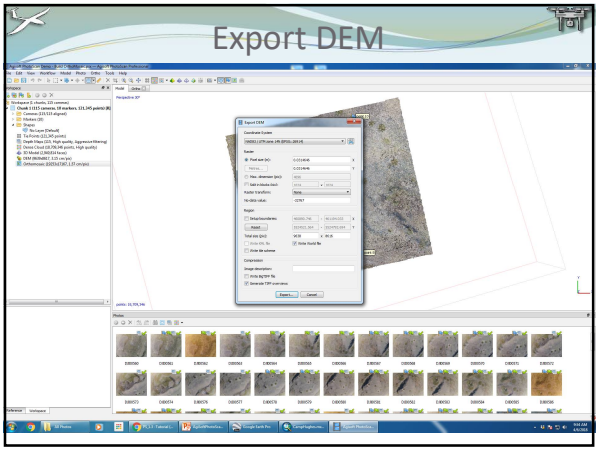


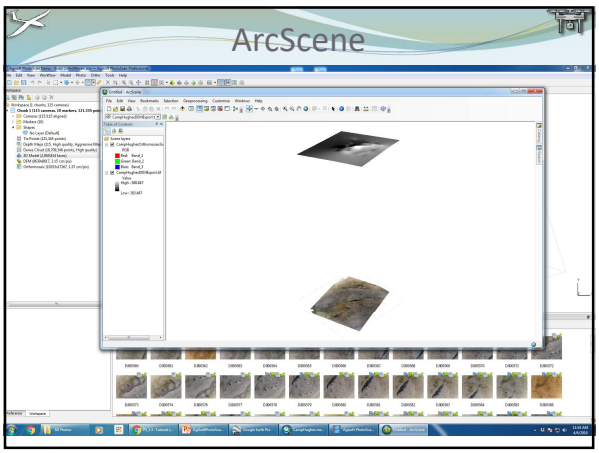
Using DEM to Remove Distortion



Resulting Orthomosaic

Export Orthomosaic


Export DEM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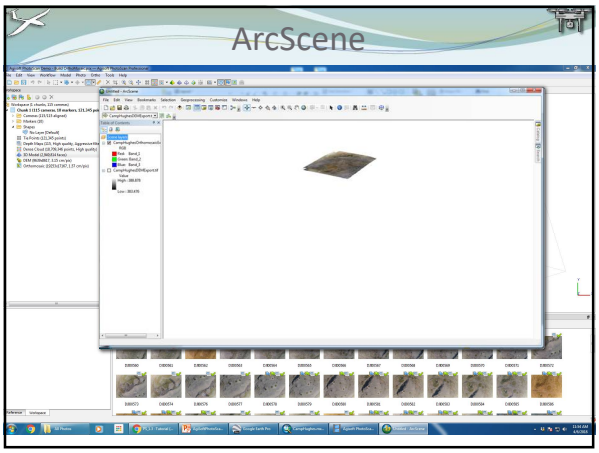
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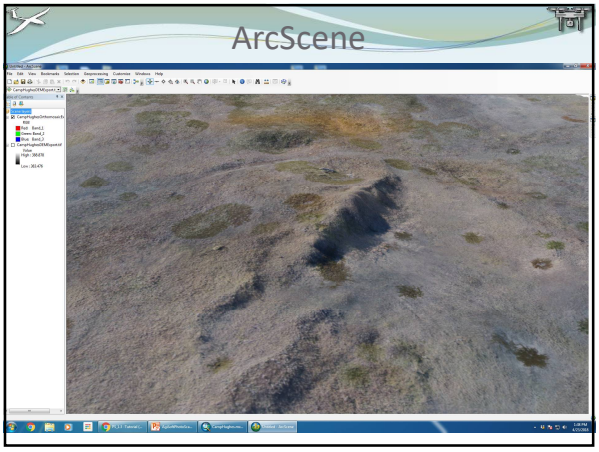
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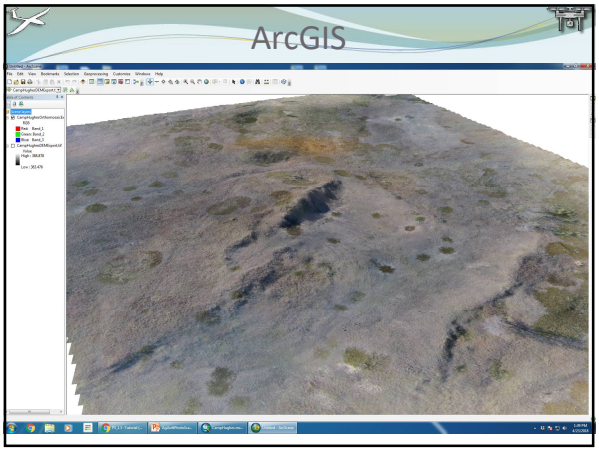
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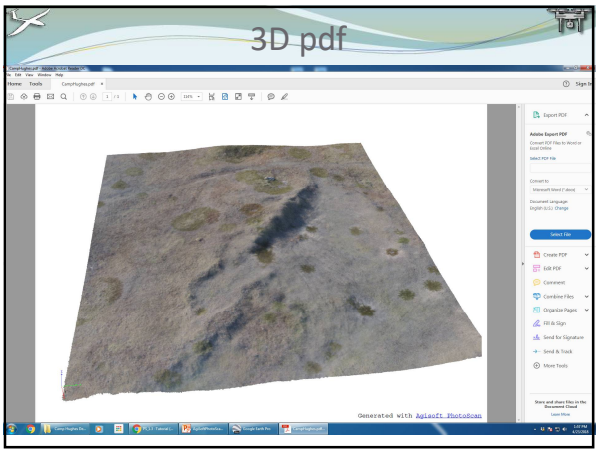
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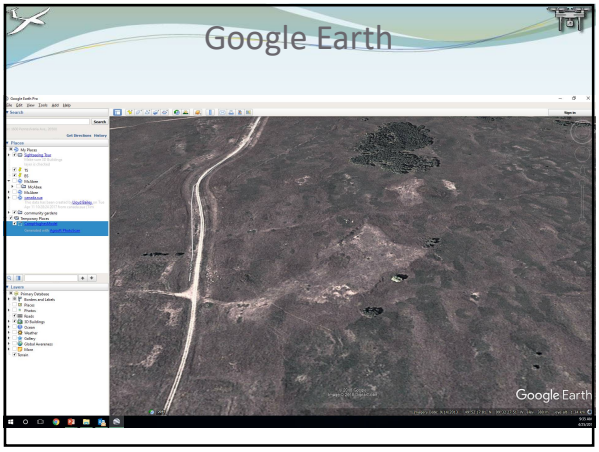
Generated with Agisoft PhotoScan


Google Earth
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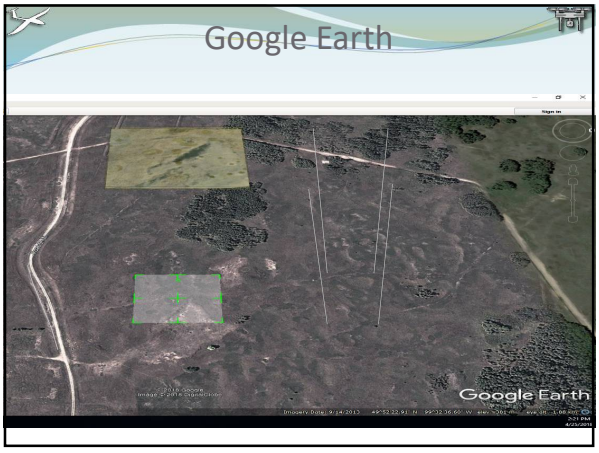
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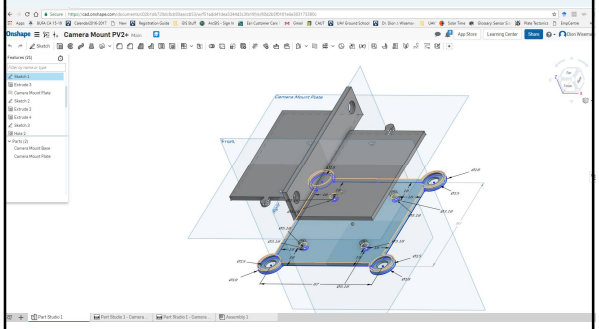
OnShape



Questions?