

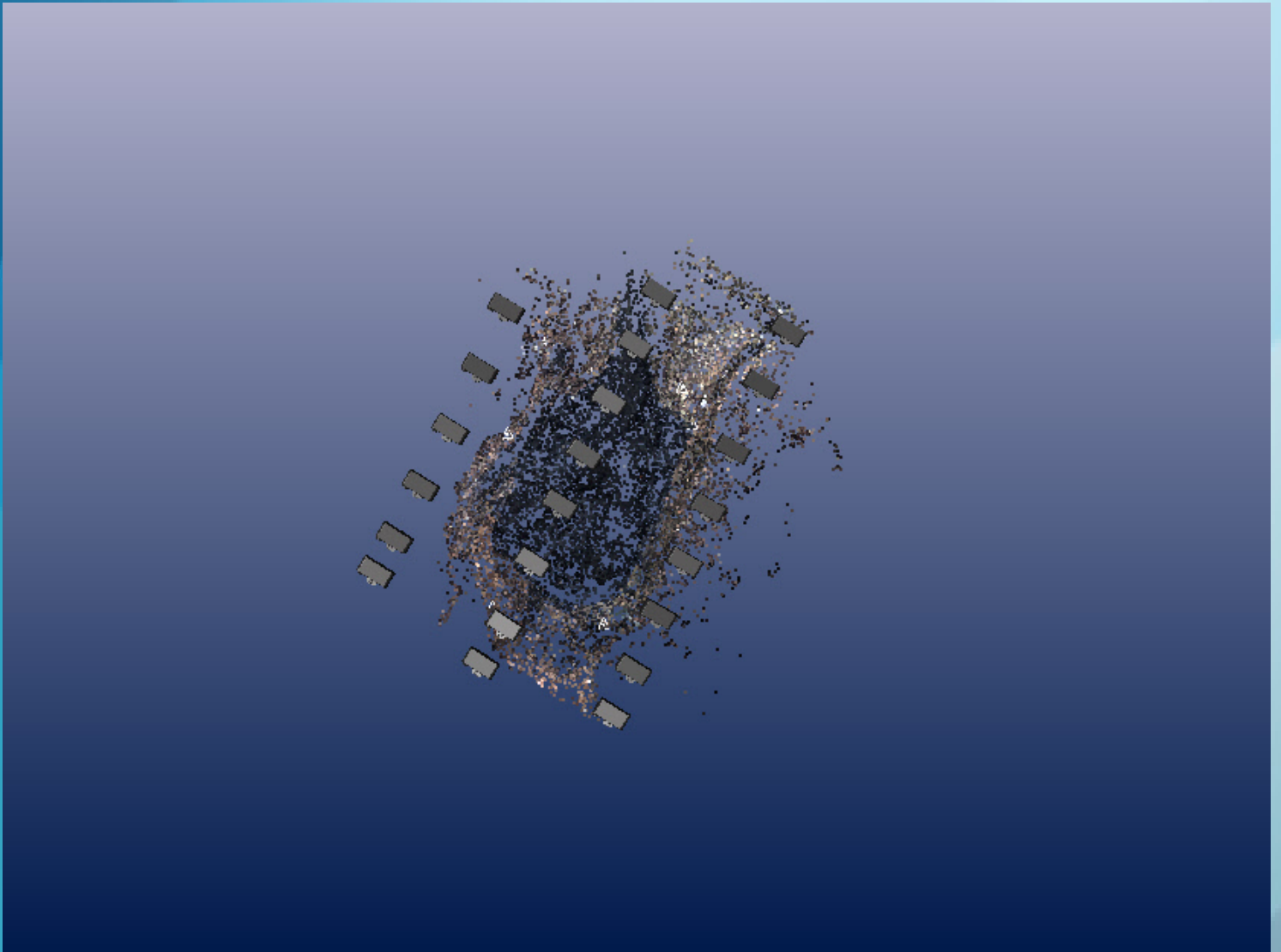
PhotoModeler Report

September 26, 2016 12:31

project: GCP Processed.pmr

author: Eos Systems Inc.

description: A sample project showing the use of Ground Control Points.



Summary

Last Processing

Software Version: PhotoModeler UAS 2016.1.0.1951 (64-bit)

Date: Mon Sep 26 10:14:34 2016

Photo Summary

	Total	Oriented	Not Oriented
Photos	22	22	0

Point Summary

	Count	Maximum Residual	Overall RMS Residual
Manually marked	115	1.04	0.645
Sub-pixel	0	n/a	0
SmartPoints	12449	2.44	0.411

PointMesh Summary

0 points in 0 point cloud PointMeshes

0 triangles in 0 triangulated PointMeshes

Coordinate system Summary

Units: Geographical - Lat/Lon (WGS84 - World Geodetic System 1984) Elevation: meters

Number of assigned and active control points: 5

Number of assigned control points: 27

Number of active control points: 5

Number of control points: 27

External check Summary

0 check distances (average delta: 0 m, 0%)

5 check points (average delta: 0.0548 m)

Description / Notes

A sample project showing the use of Ground Control Points.



Quality

Photographs

Total Number: 22

Number Oriented: 22

Cameras

Calibrated	Auto Calibrated	Field Calibrated	Inverse	Other
0	1	0	0	0

Photo coverage (percent)

Minimum: 51.4

Maximum: 86.3

Average: 75.7

Point Marking Residuals (pixels)

Minimum: 3.23e-005

Maximum: 2.44

Point ID of Max: 10926

Point Marking RMS Residuals (...)

Minimum: 3.16e-005 (pt:281)

Maximum: 2.09 (pt:11639)

Overall: 0.559

Point Angle (degrees)

Minimum: 4.45 (pt:1709)

Maximum: 40.3 (pt:4728)

Average: 18.5

Point Precisions (m)

Minimum: 0.0795 (pt:4728)

Maximum: 0.609 (pt:3170)

Overall RMS: 0.193

Check distances (m)

n/a

Check points (m)

Minimum: 0.026

Maximum: 0.0696

Average: 0.0548



Check points

Summary of Ground survey.txt:Geo-Control, 5 active valid check points.

	Best fit	Worst fit	Mean	RMS
Distance (m)	0.026	0.0696	0.0548	0.0568
Delta Lat. (deg.)	8.22e-008	3.15e-007	2.03e-007	2.22e-007
Delta Long. (deg.)	1.18e-007	6.33e-007	3.04e-007	3.61e-007
Delta Elev. (m)	0.012	0.0591	0.0359	0.0401

List of 5 active and valid check points

(Total: 27 check points: 5 active and 27 are valid)

Name	Distance (m)	Delta Lat. (deg.)	Delta Long. (deg.)	Delta Elev. (m)
IP #1	0.0696	3.15e-007	-4.01e-007	-0.0486
IP #2	0.0567	-2.93e-007	-2.4e-007	-0.0412
IP #3	0.061	1.92e-007	6.33e-007	0.012
IP #4	0.026	-1.32e-007	-1.18e-007	0.0187
IP #5	0.0608	-8.22e-008	1.26e-007	0.0591

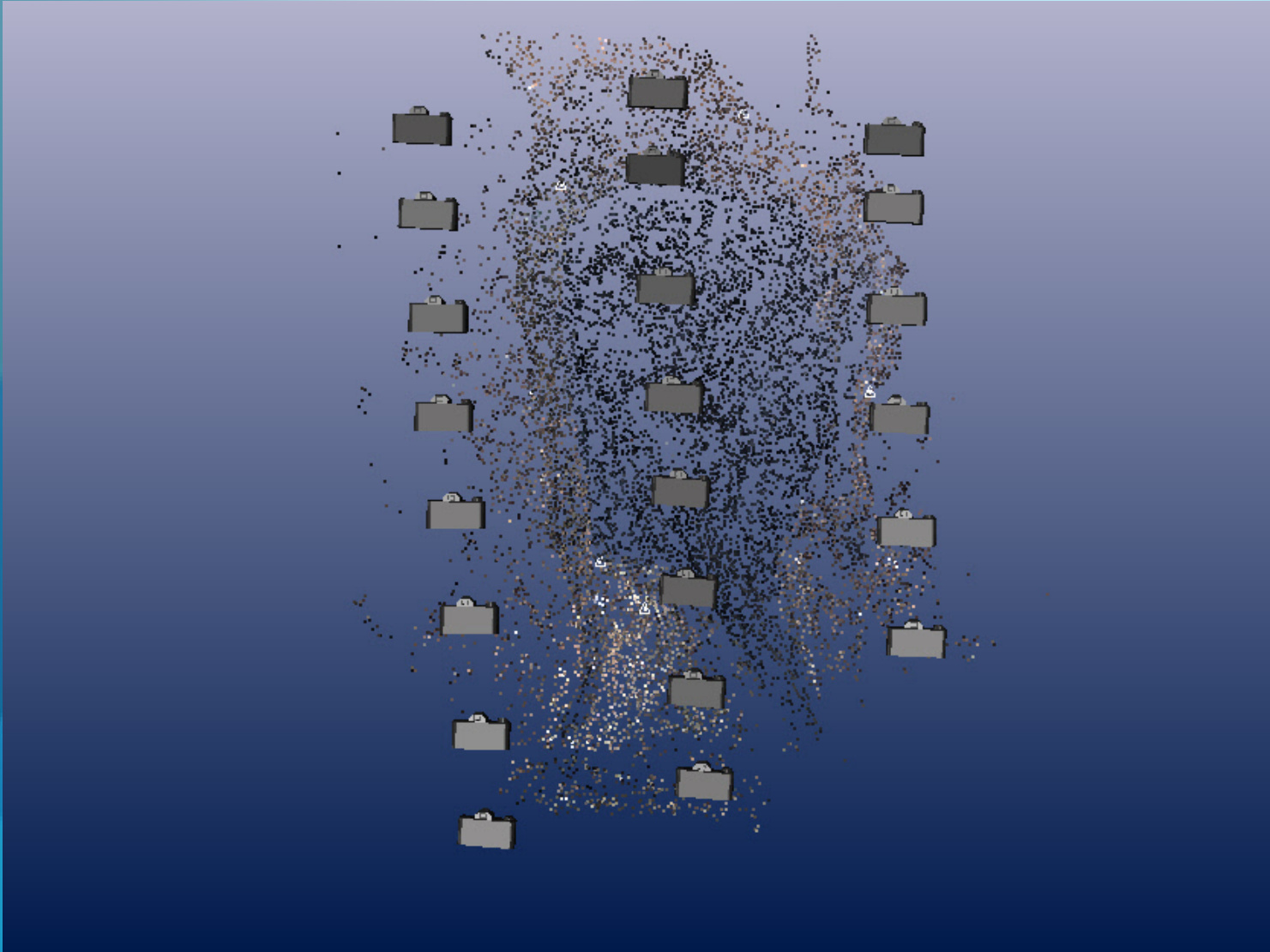


Camera [BOARD_MT9P031_SUNEX [7.50]]

Calibration type	SmartMatch auto-calib
Focal length (mm)	7.53
Image size (pixels)	2592 x 1944
Format size (mm)	5.66 x 4.28
Principal point (mm)	2.95 x 2.14
Lens distortion (K)	K1[0.00166] K2[-4.12e-006] K3[-6.11e-007]
Lens distortion (P)	P1[0] P2[0]
Quality - Residuals	n/a (auto-calib)
Quality - Coverage	n/a (auto-calib)
Multispectral	No



3D Views



3D Views #2

