

**Joint Committee Report in the matter of Original Application
No. 108/2023 (WZ) Mr. Nitin Nanaso Phalke Vs Union of India & Ors.**

Original Application No.108/2023 (WZ) (Mr. Nitin Nanaso Phalke Vs MoEF&CC & Ors) was filed by Mr. Nitin nanaso Phalke regarding illegal mining at Gat No. 34/1,34/2,35/1 and 35/2 Village- Pimpalsuti, Tal- Shirur, Dist- Pune by project proponent (M/s Rajendra Singh Bhamboo Infra Pvt. Ltd.)

In the above matter Hon'ble NGT (WZ) vide order dtd 29.02.2024 constitute a Joint Committee comprising following representative of -

- 1) The Maharashtra Pollution Control Board
- 2) The District Collector, Pune

In compliance with the aforesaid order Joint Committee comprising of Member of The District Collector, Pune, The District Mining Officer, Pune, The Maharashtra Pollution Control Board (MPCB) has been constituted.

Accordingly The District Mining Officer, Collectorate of Pune, Sub Regional Officer of The Maharashtra Pollution Control Board (MPCB) had visited the mining site Gat No. 34/1,34/2,35/1 and 35/2 Village- Pimpalsuti, Tal- Shirur, Dist- Pune on 06.07.2024

Hon'ble Tribunal Directed to Submit report on Following points -

Point no. 1: what is the actual quantity of stone, which has been mined by the Project Proponent ---

Point no. 2: Market value of the Mined stone by the project proponent

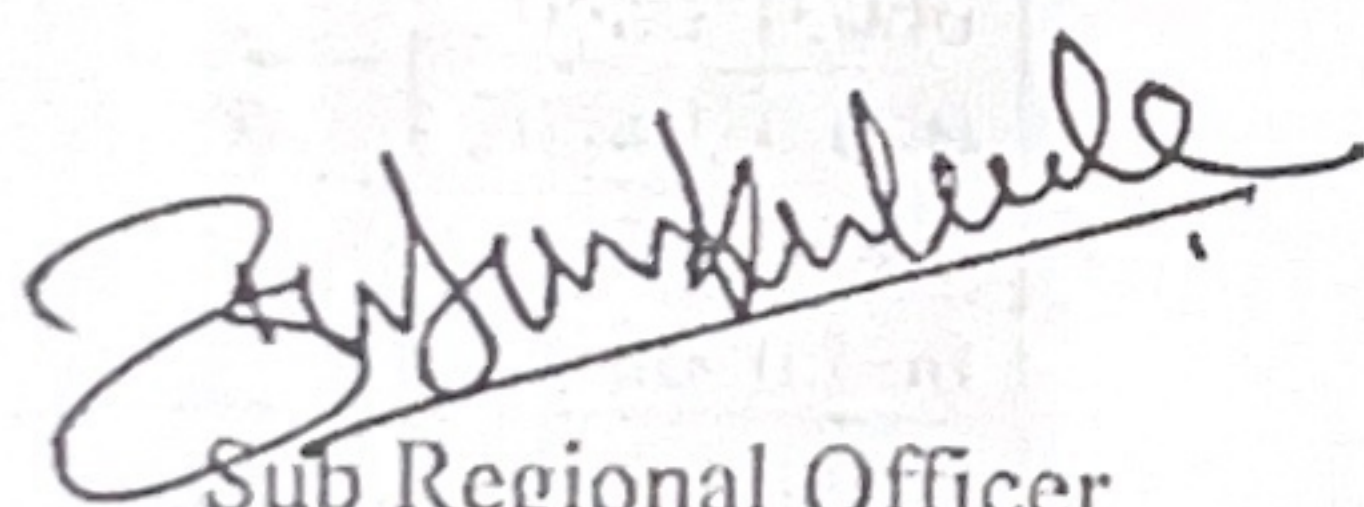
Reply: Pilot survey has been carried out with LiDAR drone has been conducted dated on: 06.08.2024. Site Survey report is attached with-Annexure I.

Volume Report

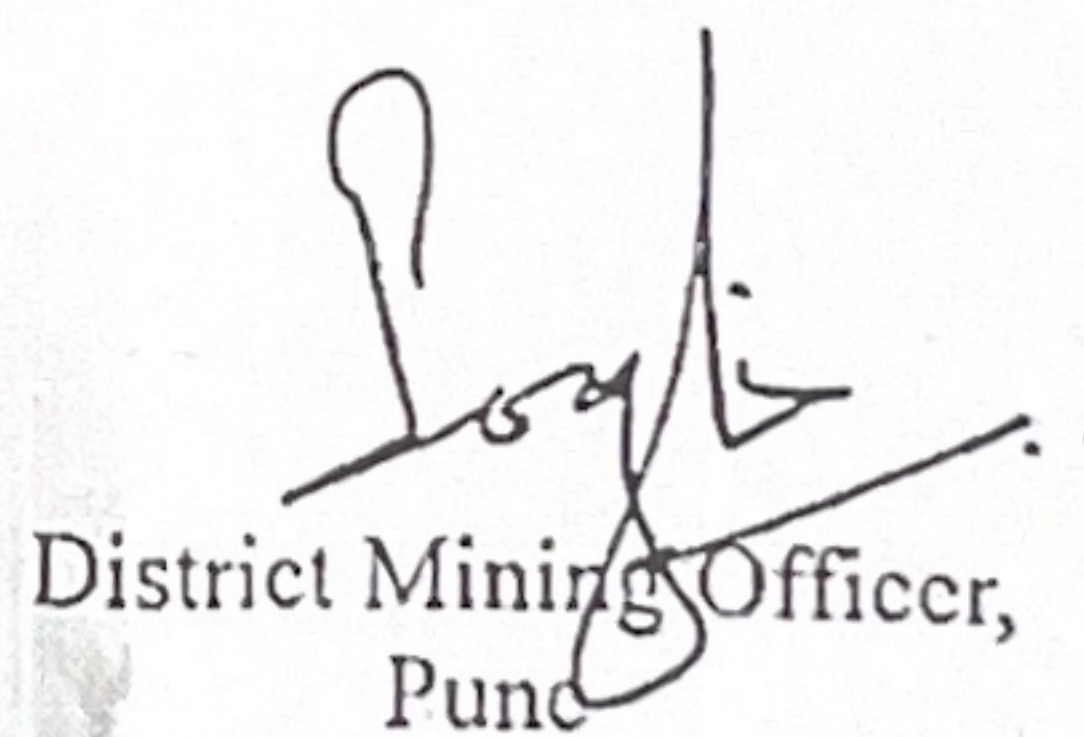
Sr.No	Section from	Previous Section	Difference	Width	Cutting Volume			
					Area Sq. Meters	Previous Area	Average Sq. Meters	Volume Cubic Meters
1	2057844.199	-	0.000	0.047	0.100	0.000	0.050	0.000
2	2057850.000	2057844.199	5.801	24.554	217.337	0.100	108.719	630.677
3	2057860.000	2057850.000	10.000	39.523	417.000	217.337	317.169	3171.688
4	2057870.000	2057860.000	10.000	40.258	410.669	417.000	413.835	4138.349
5	2057880.000	2057870.000	10.000	95.984	598.582	410.669	504.626	5046.259
6	2057890.000	2057880.000	10.000	95.418	1387.432	598.582	993.007	9930.074
7	2057900.000	2057890.000	10.000	94.852	1639.573	1387.432	1513.503	15135.026
8	2057910.000	2057900.000	10.000	94.286	1934.270	1639.573	1786.922	17869.215

9	2057920.000	2057910.000	10.000	94.391	1996.690	1934.270	1965.480	19654.802
10	2057930.000	2057920.000	10.000	94.521	2082.532	1996.690	2039.611	20396.113
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15	2057980.000	2057970.000	10.000	94.622	2059.933	1948.562	2004.247	20042.475
16	2057990.000	2057980.000	10.000	94.840	1984.963	2059.933	2022.448	20224.236
17	2058000.000	2057990.000	10.000	95.013	2033.485	1984.963	2009.224	20092.236
18	2058010.000	2058000.000	10.000	95.089	2040.392	2033.485	2036.938	20369.381
19	2058020.000	2058010.000	10.000	95.165	1854.301	2040.392	1947.346	19473.460
20	2058030.000	2058020.000	10.000	96.268	1662.156	1854.301	1758.228	17582.283
21	2058040.000	2058030.000	10.000	94.332	1452.541	1662.156	1557.348	15573.485
22	2058050.000	2058040.000	10.000	93.642	1158.841	1452.541	1305.691	13056.907
23	2058060.000	2058050.000	10.000	92.587	1213.430	1158.841	1186.135	11861.354
24	2058070.000	2058060.000	10.000	91.409	1239.583	1213.430	1226.507	12265.068
25	2058080.000	2058070.000	10.000	90.802	1060.909	1239.583	1150.246	11502.463
26	2058090.000	2058080.000	10.000	89.934	1068.597	1060.909	1064.753	10647.534
27	2058100.000	2058090.000	10.000	88.695	1273.912	1068.597	1171.255	11712.547
28	2058110.000	2058100.000	10.000	77.494	567.578	1273.912	920.745	9207.451
29	2058120.00	2058110.00	10.000	39.066	49.953	567.578	308.766	3087.658
					Total CUM			393935.664
					Total Bras			139059.289

Hence, this report



Sub Regional Officer
MPC B, Pune-II



District Mining Officer,
Pune

District Mining Officer
Collector Office, Pune

Date: 06.08.2024

To,
District Mining Officer,
Pune District,
Collector
Office, Pune-1.

**Subject:- Submission of Survey Report of Drone LiDAR survey of
MR. PHALKE Mining Site, Village Pimpalsuti, Tal. Shirur, Dist. Pune.**

Dear Sir,

We hope this letter finds you well. We are writing to inform you that we have successfully completed the survey at village_Pimpalsuti, Tal. Shirur, Dist. Pune as instructed by your office, and have prepared the necessary reports and formats in accordance with your requirements.

The survey was conducted meticulously, adhering to all safety and environmental regulations, and we have compiled the data meticulously to ensure its accuracy and completeness. Our team has worked diligently to provide you with a comprehensive overview of the site.

As per your specific guidelines, we have prepared the following Reports and copies of the same are attached herewith.

- 1.0 Cover Note consisting Methodology Adopted and Operations Carried Out
- 2.0 Ortho Image of the Site.
- 3.0 Boundary Demarcation with reference Points.
- 4.0 Depth Levels along with contours imposed on ortho image .
- 5.0 3D Model Image.
- 6.0 Digital Surface Model.
- 7.0 Cross Sections Drawing.



8.0 Lidar output Quality report.

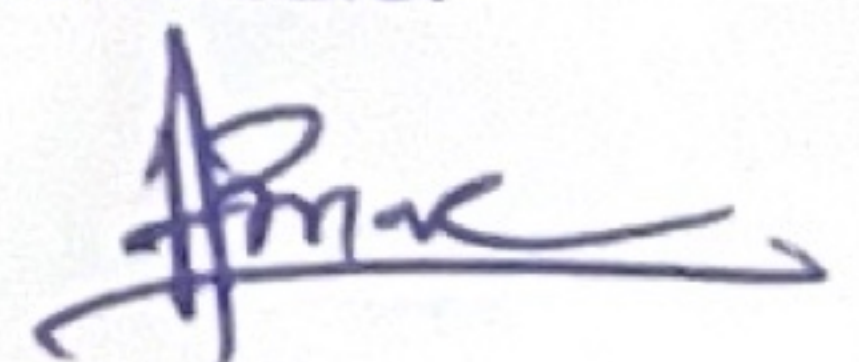
9.0 Volume Calculations in Cubic meter and Brass.

Enclosed with this letter, you will find physical copies of these reports and formats, along with a digital copy for your convenience. We believe that these documents provide a comprehensive overview of the site and our commitment to responsible mining practices.

If you require any further clarification or additional information, please do not hesitate to contact us at Mob No. **8007394040**. We are committed to working closely with your office to ensure that all requirements are met and that our mining operations proceed in full compliance with the law.

Thank you for your attention to this matter, and we look forward to your feedback and guidance.

For SPACECOM SURVEYORS PVT. LTD.



Director

TABLE OF CONTENT

SN	PARTICULARS
1,	Cover Note consisting Methodology Adopted and Operations Carried Out
2,	Ortho Image of the Site.
3,	Boundary Demarcation with reference Points.
4,	Depth Levels along with contours imposed on ortho image .
5,	3D Model Image.
6,	Digital Surface Model.
7,	Cross Sections Drawing.
8,	Lidar output Quality report.
9	Volume Calculations in Cubic meter and Brass

INTRODUCTION

Drone Survey Methodology

Scope of Work

Deliverable Data:

Drone Survey Methodology

The Drone Survey for Mining area at MR. PHALKE Mining Site, Village Pimpalsuti, Tal. Shirur, Dist. Pune Within the plot to locate, the boundary and any other existing features to be plot.

This Surveyed site plan showing Details of Quarry excavation.

➤ **Precision:**

Kinematic surveying

Horizontal ± 2 mm + 1 ppm RMS / Vertical ± 2 mm + 1 ppm RMS

➤ **Establishing Control Points**

Established control points around, and inside the site.

➤ **Ancillary Equipment's used:**

Drone (DJI)

➤ **Survey Date:**

6th July 2024

Scope of Work:

- 1) Volume calculations

Deliverable Data:

The following deliverables shall submit after completion of Site works;

- 1) Volume calculations

A. LOCATION MAP OF PROJECT AREA

MR. PHALKE Mining Site, Village Pimpalsuti, Tal. Shirur, Dist. Pune Maharashtra.

Total area of Mining site is 5.93 acres.

The site is located at Village Pimpalsuti, Tal. Shirur, Dist. Pune having latitude and longitude of about $18^{\circ}36'43.53''\text{N}$ & $74^{\circ}31'36.24''\text{E}$ Respectively. The Pimpalsuti village is located in Shirur Taluka of Pune in Maharashtra, India.

LOCATION MAP



ODM Quality Report

MR. PHALKE

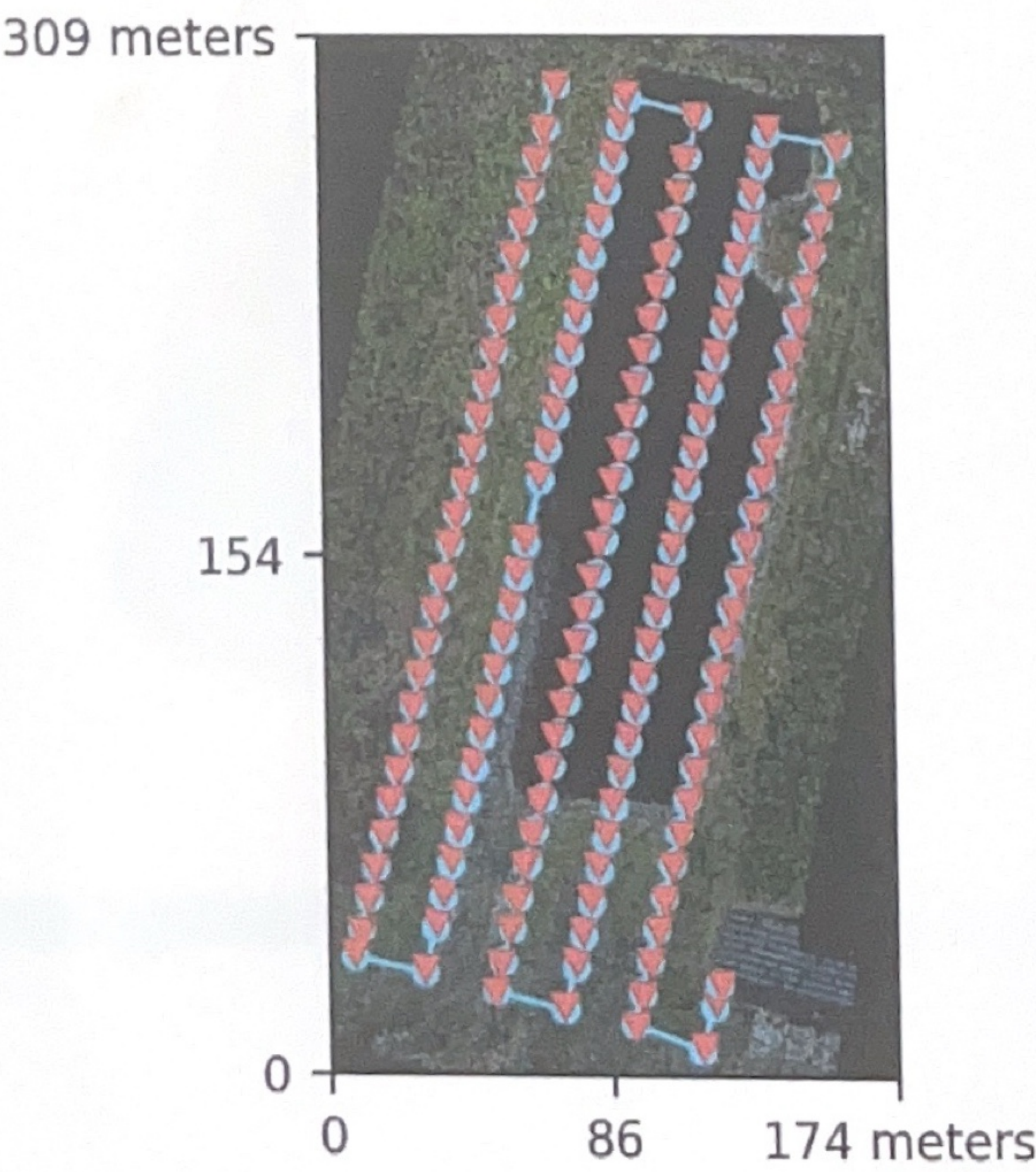
Processed with ODM version 3.5.0

Dataset Summary

Date	06/08/2024 at 15:22:49
Area Covered	0.043445 km²
Processing Time	11.0m:21.0s
Capture Start	06/08/2024 at 13:10:48
Capture End	06/08/2024 at 13:16:06

Processing Summary

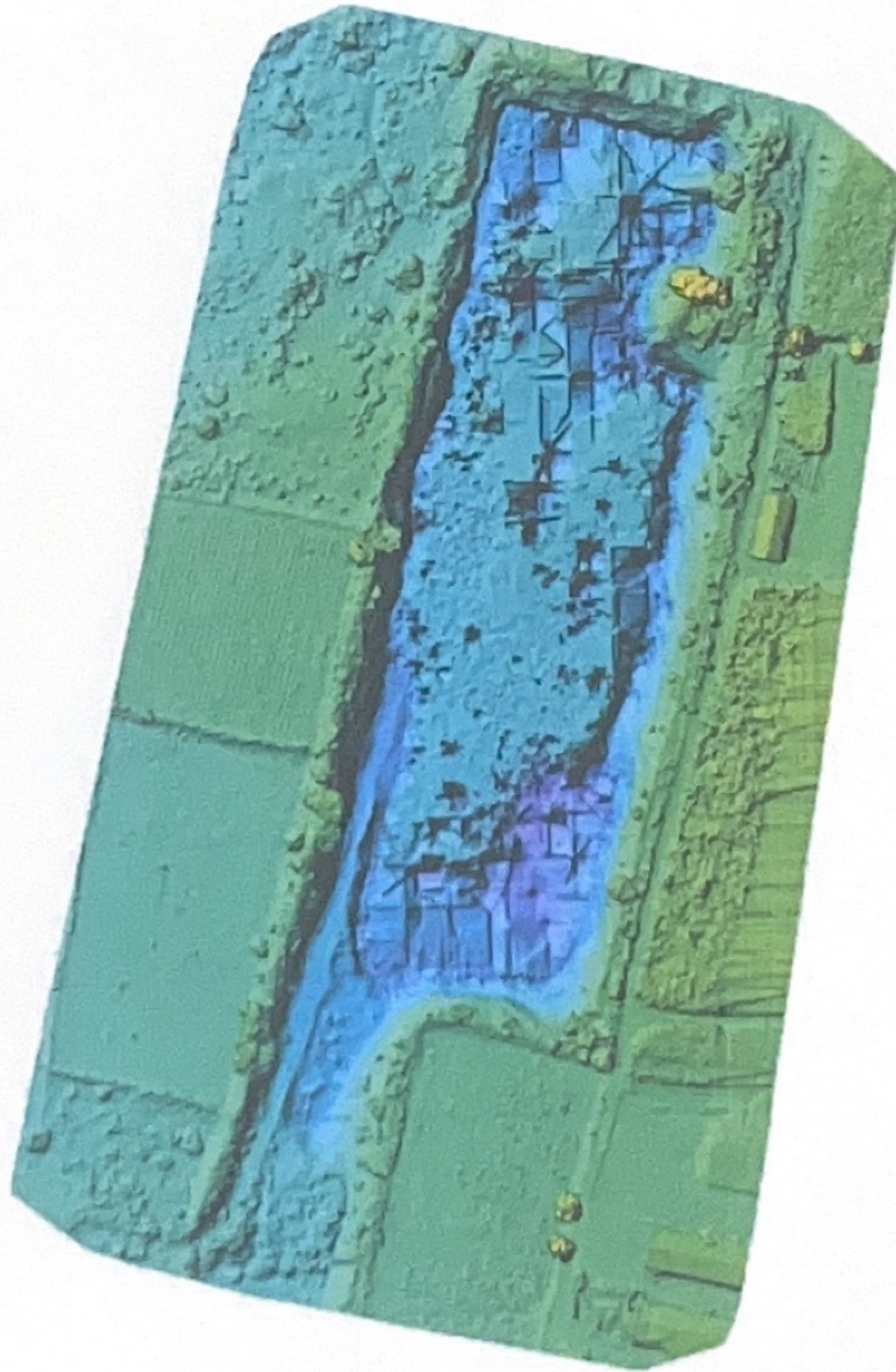
Reconstructed Images	142 over 142 shots (100.0%)
Reconstructed Points (Sparse)	39249 over 39919 points (98.3%)
Reconstructed Points (Dense)	13,612,254 points
Average Ground Sampling Distance (GSD)	4.1 cm
Detected Features	1,772 features
Reconstructed Features	1,023 features
Geographic Reference	GPS
GPS errors	1.52 meters



Previews



Orthophoto

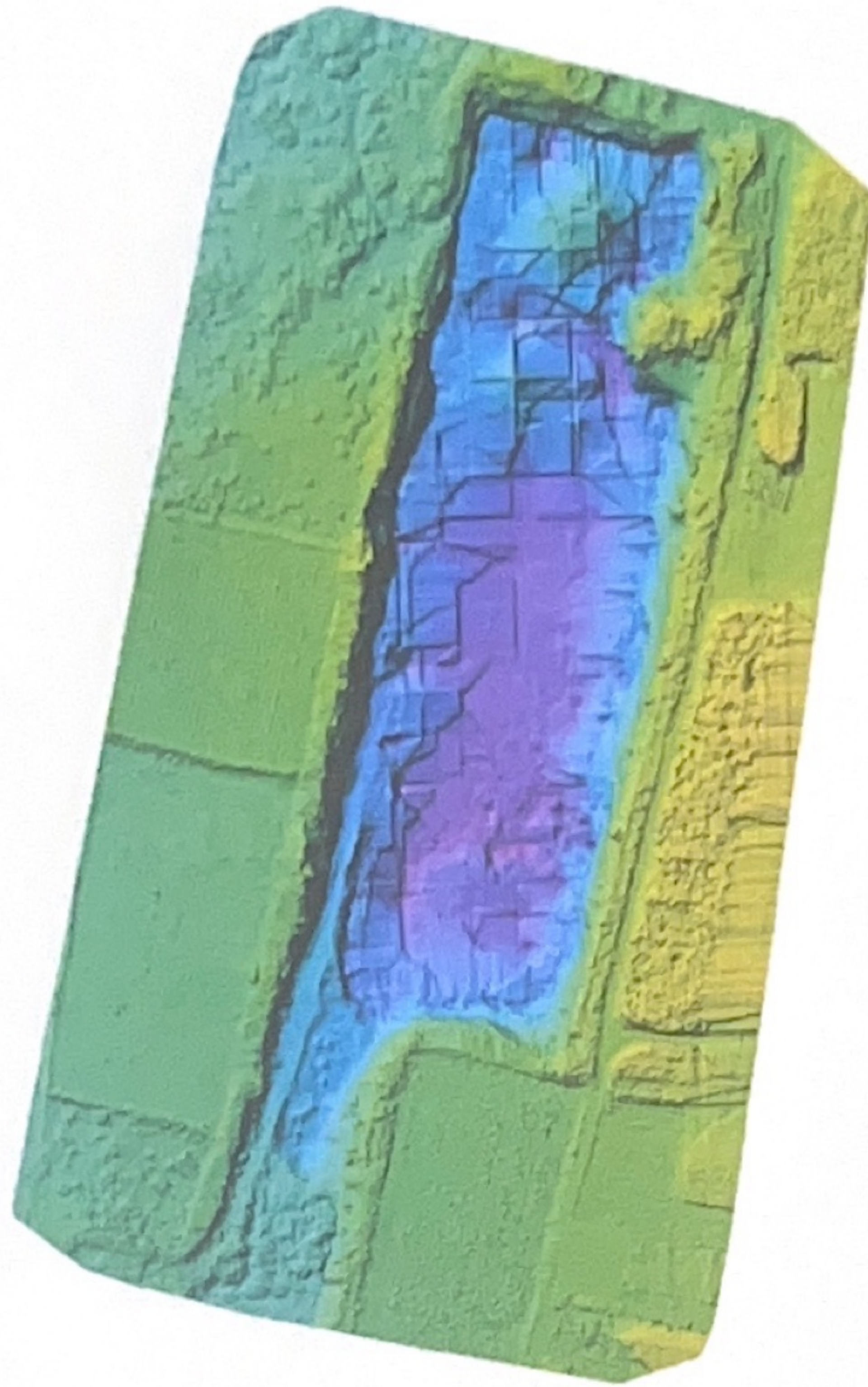


Digital Surface Model



515.73m

550.69m



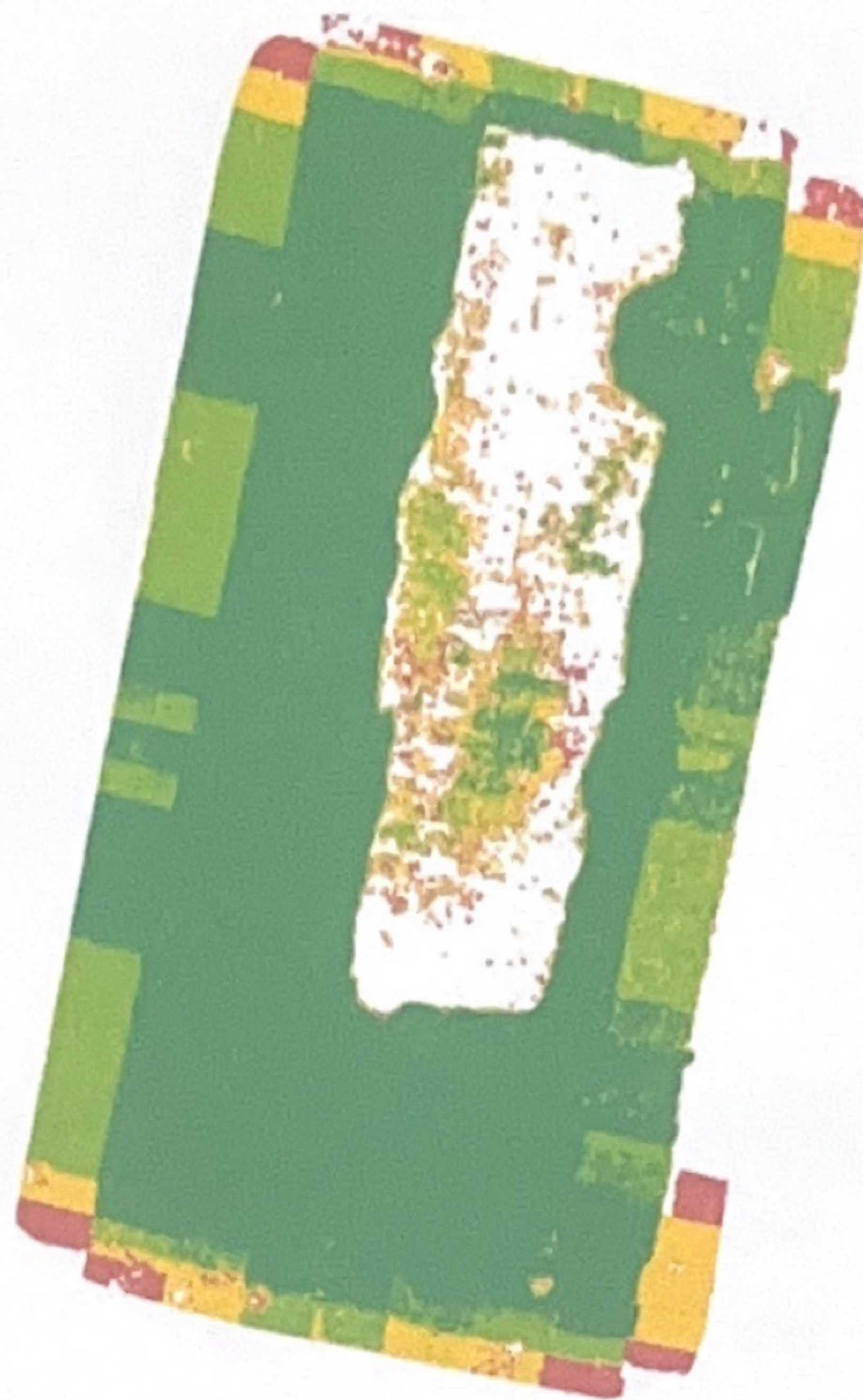
Digital Terrain Model



519.31m

544.93m

Survey Data



■ 2 ■ 3 ■ 4 ■ 5+

GPS/GCP/3D Errors Details

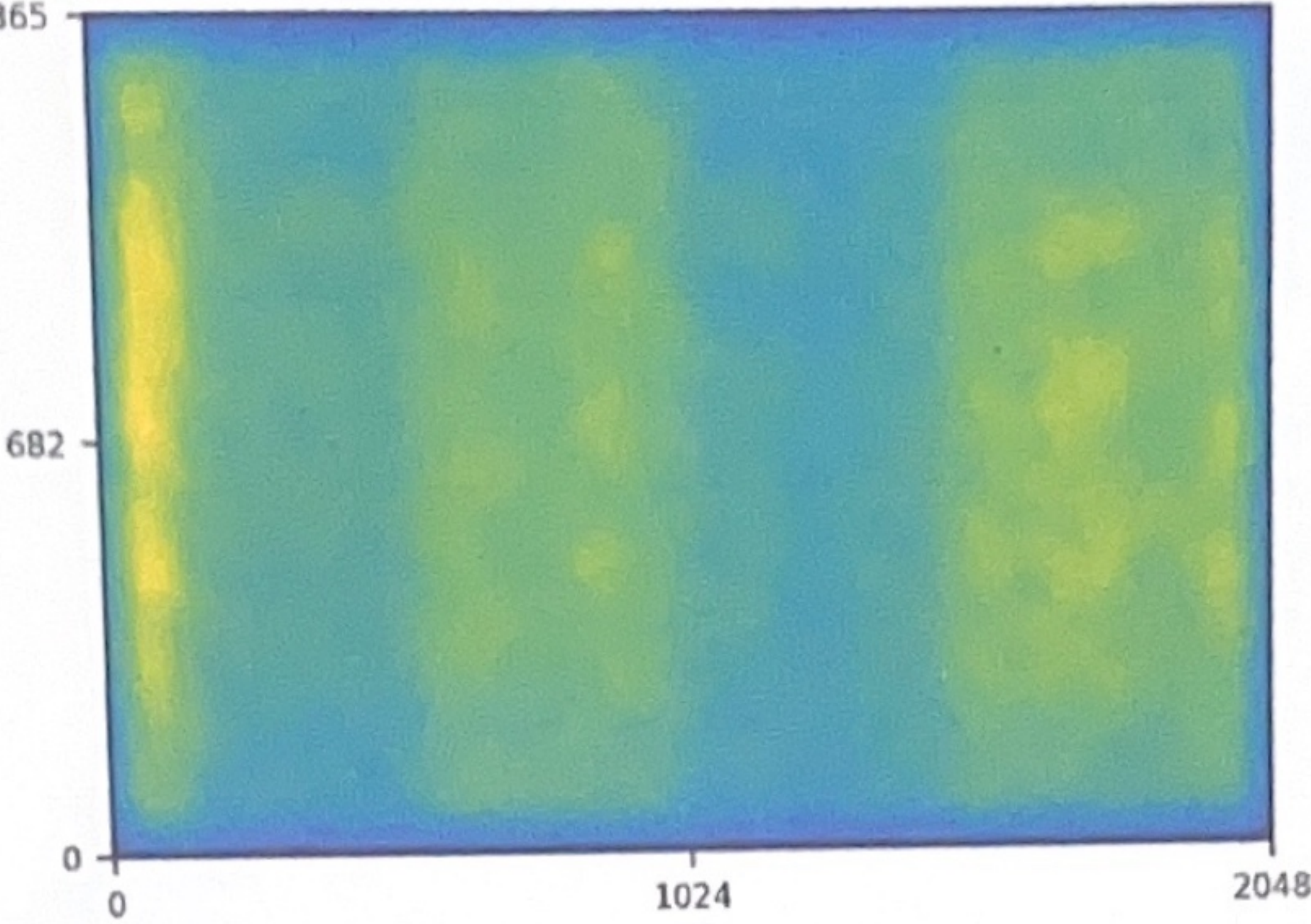
GPS	Mean	Standard Deviation	RMS Error
X Error (meters)	0.003	0.635	0.635
Y Error (meters)	-0.001	1.217	1.217
Z Error (meters)	-0.003	0.847	0.847
Total			1.523

3D	Mean	Standard Deviation	RMS Error
X Error (meters)	0.040	0.082	0.091
Y Error (meters)	0.025	0.051	0.057
Z Error (meters)	0.087	0.203	0.221
Total			0.109

	Absolute	Relative
Horizontal Accuracy CE90 (meters)	1.854	0.113
Vertical Accuracy LE90 (meters)	1.293	0.195

Features Details

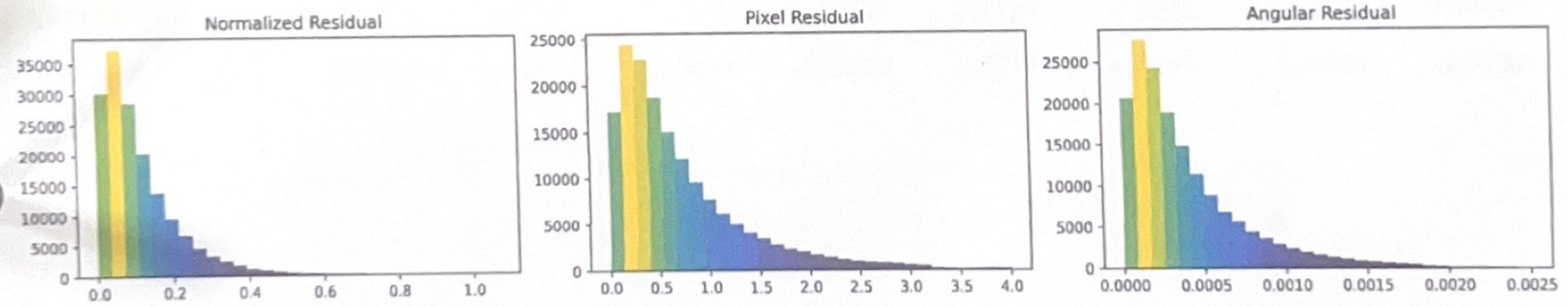
Detected features heatmap for camera v2 hasselblad l1d-20c 2048 1365 brown 0.7777



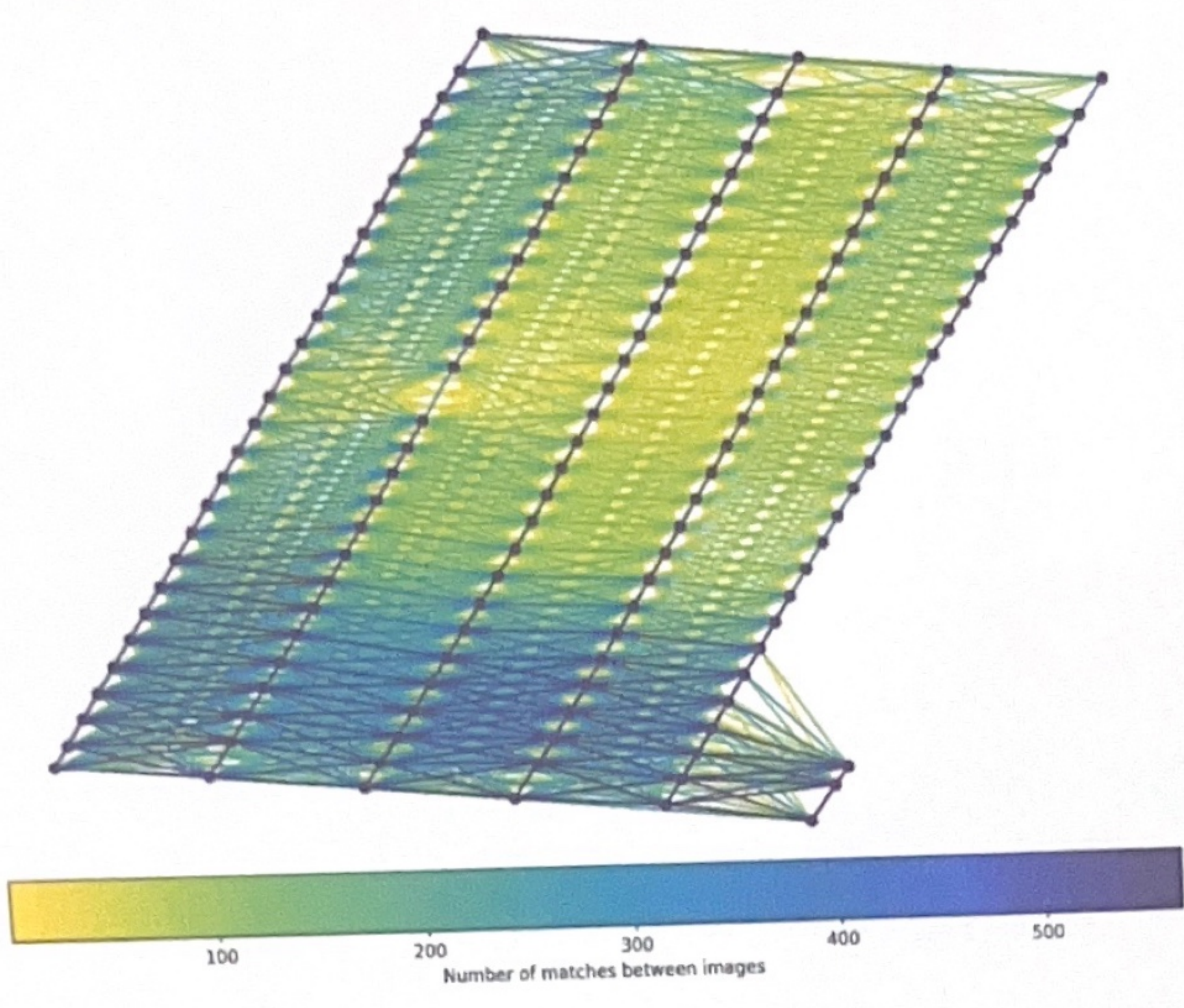
	Min.	Max.	Mean	Median
Detected	1104	2788	1858	1772
Reconstructed	660	2051	1183	1023

Reconstruction Details

Average Reprojection Error (normalized / pixels / angular)	0.12 / 0.72 / 0.00040
Average Track Length	4.28 images
Average Track Length (> 2)	5.66 images



Tracks Details

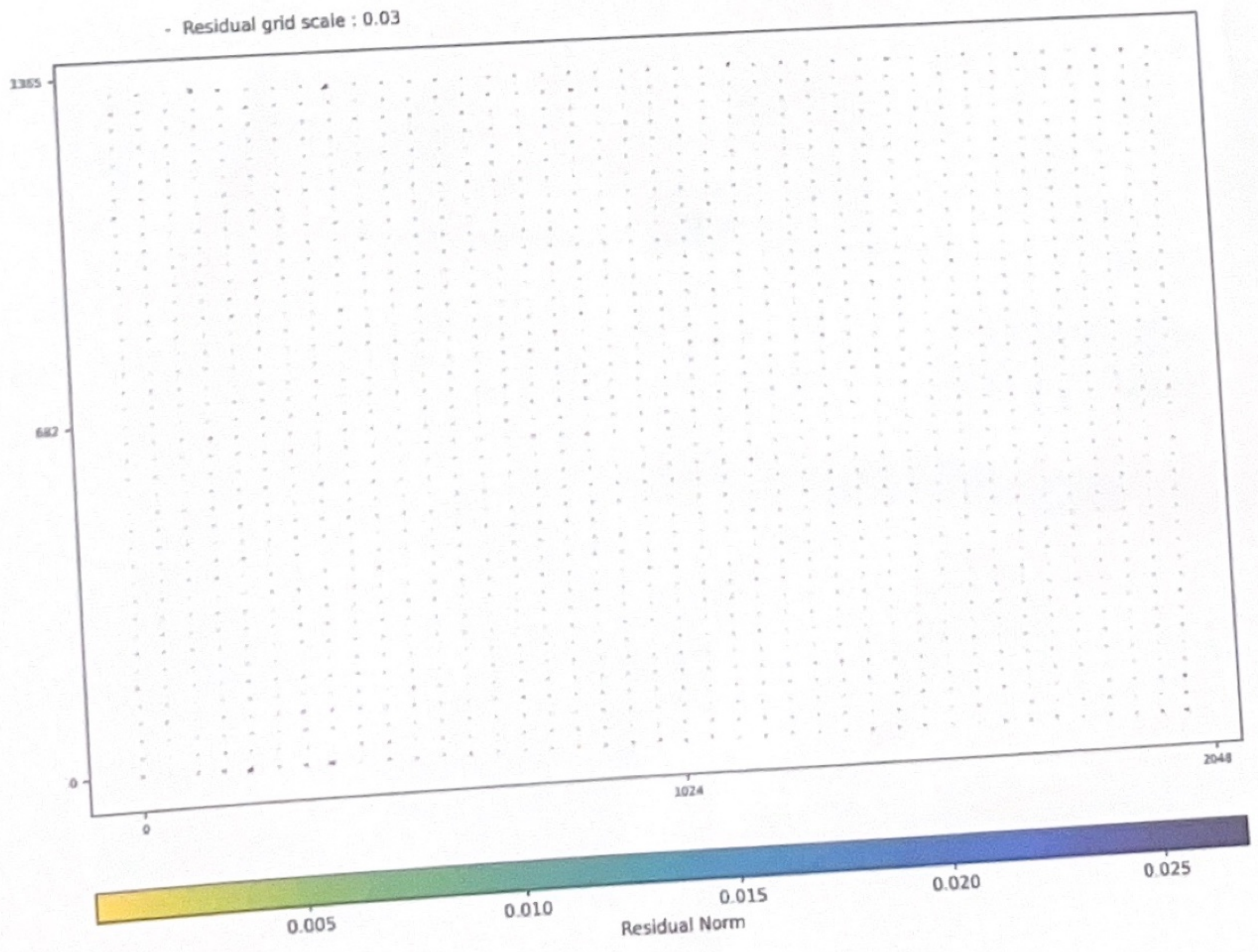


	2	3	4	5	6	7	8	9	10
Length	14775	7453	4712	3654	2350	1323	1064	860	825
Count									

Camera Models Details

v2 hasselblad l1d-20c 2048 1365 brown 0.7777

	k1	k2	k3	p1	p2	focal	aspect_rati	cx	cy
Initial	0.0000	0.0000	0.0000	0.0000	0.0000	0.7778	1.0000	0.0000	0.0000
Optimized	-0.0116	0.0089	-0.0111	-0.0004	-0.0022	0.7777	1.0000	-0.0068	-0.0006



Volume Report

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					Total			393935.664

VOLUME IN CUM 393935.664

VOLUME IN BRASS 139059.289

1 CUM = 0.353 BRASS