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[INFO] Initializing ODM 3.0.2 - Sun Jan 22 11:56:18 2023
[INFO] =====
[INFO] 3d_tiles: False
[INFO] align: None
[INFO] auto_boundary: True
[INFO] auto_boundary_distance: 0
[INFO] bg_removal: False
[INFO] boundary: {}
[INFO] build_overviews: False
[INFO] camera_lens: auto
[INFO] cameras: {}
[INFO] cog: True
[INFO] copy_to: None
[INFO] crop: 3
[INFO] dem_decimation: 1
[INFO] dem_euclidean_map: False
[INFO] dem_gapfill_steps: 3
[INFO] dem_resolution: 2.0
[INFO] dsm: True
[INFO] dtm: False
[INFO] end_with: odm_postprocess
[INFO] fast_orthophoto: False
[INFO] feature_quality: high
[INFO] feature_type: sift
[INFO] force_gps: False
[INFO] gcp: None
[INFO] geo: None
[INFO] gps_accuracy: 10
[INFO] ignore_gsd: False
[INFO] matcher_neighbors: 0
[INFO] matcher_type: flann
[INFO] max_concurrency: 16
[INFO] merge: all
[INFO] mesh_octree_depth: 11
[INFO] mesh_size: 200000
[INFO] min_num_features: 10000
[INFO] name: f7e55583-bfa6-4383-8786-38d2a70ae153
[INFO] no_gpu: False
[INFO] optimize_disk_space: False
[INFO] orthophoto_compression: DEFLATE
[INFO] orthophoto_cutline: False
[INFO] orthophoto_kmz: False
[INFO] orthophoto_no_tiled: False
[INFO] orthophoto_png: False
[INFO] orthophoto_resolution: 2.0
[INFO] pc_classify: False
[INFO] pc_copc: False
[INFO] pc_csv: False
[INFO] pc_ept: True
[INFO] pc_filter: 2.5
[INFO] pc_las: False
[INFO] pc_quality: high
[INFO] pc_rectify: False
[INFO] pc_sample: 0
[INFO] pc_tile: False
[INFO] primary_band: auto
[INFO] project_path: D:\WebODM\resources\app\apps\NodeODM\data
[INFO] radiometric_calibration: none
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[INFO] rerun: None
[INFO] rerun_all: False
[INFO] rerun_from: None
[INFO] rolling_shutter: False
[INFO] rolling_shutter_readout: 0
[INFO] sfm_algorithm: incremental
[INFO] skip_3dmodel: False
[INFO] skip_band_alignment: False
[INFO] skip_orthophoto: False
[INFO] skip_report: False
[INFO] sky_removal: False
[INFO] sm_cluster: None
[INFO] sm_no_align: False
[INFO] smrf_scalar: 1.25
[INFO] smrf_slope: 0.15
[INFO] smrf_threshold: 0.5
[INFO] smrf_window: 18.0
[INFO] split: 999999
[INFO] split_image_groups: None
[INFO] split_overlap: 150
[INFO] texturing_keep_unseen_faces: False
[INFO] texturing_skip_global_seam_leveling: False
[INFO] texturing_skip_local_seam_leveling: False
[INFO] tiles: False
[INFO] use_3dmesh: False
[INFO] use_exif: False
[INFO] use_fixed_camera_params: False
[INFO] use_hybrid_bundle_adjustment: False
[INFO] =====
[INFO] Running dataset stage
[INFO] Loading dataset from:
D:\WebODM\resources\app\apps\NodeODM\data\f7e55583-bfa6-4383-8786-
38d2a70ae153\images
[INFO] Loading 259 images
[INFO] Found 259 usable images
[INFO] Parsing SRS header: WGS84 UTM 32N
[INFO] Finished dataset stage
[INFO] Running split stage
[INFO] Normal dataset, will process all at once.
[INFO] Finished split stage
[INFO] Running merge stage
[INFO] Normal dataset, nothing to merge.
[INFO] Finished merge stage
[INFO] Running opensfm stage
[INFO] Maximum photo dimensions: 5280px
[INFO] Photo dimensions for feature extraction: 2640px
[INFO] CUDA drivers detected
[INFO] Using GPU for extracting SIFT features
[INFO] Altitude data detected, enabling it for GPS alignment
[INFO] ['use_exif_size: no', 'flann_algorithm: KDTree',
'feature_process_size: 2640', 'feature_min_frames: 10000',
'processes: 16', 'matching_gps_neighbors: 0',
'matching_gps_distance: 0', 'matching_graph_rounds: 50',
'optimize_camera_parameters: yes', 'reconstruction_algorithm:
incremental', 'undistorted_image_format: tif',
'bundle_outlier_filtering_type: AUTO', 'sift_peak_threshold:
0.066', 'align_orientation_prior: vertical', 'triangulation_type:
ROBUST', 'retriangulation_ratio: 2', 'matcher_type: FLANN',
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'feature_type: SIFT_GPU', 'use_altitude_tag: yes', 'align_method:
auto', 'local_bundle_radius: 0']
[INFO]      wrote reference_11a.json
[INFO]      running
"D:\webODM\resources\app\apps\ODM\SuperBuild\install\bin\opensfm\b
in\opensfm" detect_features
"D:\webODM\resources\app\apps\NodeODM\data\f7e55583-bfa6-4383-8786
-38d2a70ae153\opensfm"
2023-01-22 11:56:24,002 INFO: Planning to use 21462.88359375 MB of
RAM for both processing queue and parallel processing.
2023-01-22 11:56:24,006 INFO: Scale-space expected size of a
single image : 158.89835357666016 MB
2023-01-22 11:56:24,006 INFO: Expecting to queue at most 134
images while parallel processing of 16 images.
2023-01-22 11:56:24,021 INFO: Reading data for image DJI_0177.JPG
(queue-size=0)
2023-01-22 11:56:24,021 INFO: Reading data for image DJI_0245.JPG
(queue-size=0)
2023-01-22 11:56:24,021 INFO: Reading data for image DJI_0310.JPG
(queue-size=0)
2023-01-22 11:56:24,021 INFO: Reading data for image DJI_0375.JPG
(queue-size=0)
2023-01-22 11:56:24,488 INFO: Reading data for image DJI_0311.JPG
(queue-size=1)
2023-01-22 11:56:24,498 INFO: Reading data for image DJI_0376.JPG
(queue-size=3)
2023-01-22 11:56:24,492 INFO: Reading data for image DJI_0246.JPG
(queue-size=2)
2023-01-22 11:56:24,498 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0310.JPG
2023-01-22 11:56:24,498 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0245.JPG
2023-01-22 11:56:24,499 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0177.JPG
2023-01-22 11:56:24,493 INFO: Reading data for image DJI_0178.JPG
(queue-size=3)
2023-01-22 11:56:24,499 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0375.JPG
2023-01-22 11:56:24,996 INFO: Reading data for image DJI_0179.JPG
(queue-size=1)
2023-01-22 11:56:24,996 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0178.JPG
2023-01-22 11:56:25,036 INFO: Reading data for image DJI_0312.JPG
(queue-size=1)
2023-01-22 11:56:25,036 INFO: Reading data for image DJI_0247.JPG
(queue-size=2)
2023-01-22 11:56:25,038 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0311.JPG
2023-01-22 11:56:25,038 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0246.JPG
2023-01-22 11:56:25,050 INFO: Reading data for image DJI_0377.JPG
(queue-size=1)
2023-01-22 11:56:25,052 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0376.JPG
2023-01-22 11:56:25,575 INFO: Reading data for image DJI_0313.JPG
(queue-size=1)
2023-01-22 11:56:25,575 INFO: Extracting ROOT_SIFT_GPU features
for image DJI_0312.JPG
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2023-01-22 11:56:25,603 INFO: Reading data for image DJI\_0180.JPG (queue-size=1)  
2023-01-22 11:56:25,604 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0179.JPG  
2023-01-22 11:56:25,624 INFO: Reading data for image DJI\_0248.JPG (queue-size=1)  
2023-01-22 11:56:25,637 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0247.JPG  
2023-01-22 11:56:25,672 INFO: Reading data for image DJI\_0378.JPG (queue-size=1)  
2023-01-22 11:56:25,673 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0377.JPG  
2023-01-22 11:56:26,129 INFO: Reading data for image DJI\_0314.JPG (queue-size=1)  
2023-01-22 11:56:26,144 INFO: Reading data for image DJI\_0181.JPG (queue-size=1)  
2023-01-22 11:56:26,150 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0313.JPG  
2023-01-22 11:56:26,151 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0180.JPG  
2023-01-22 11:56:26,219 INFO: Reading data for image DJI\_0249.JPG (queue-size=1)  
2023-01-22 11:56:26,219 INFO: Reading data for image DJI\_0379.JPG (queue-size=2)  
2023-01-22 11:56:26,228 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0248.JPG  
2023-01-22 11:56:26,235 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0378.JPG  
2023-01-22 11:56:26,686 INFO: Reading data for image DJI\_0182.JPG (queue-size=1)  
2023-01-22 11:56:26,693 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0181.JPG  
2023-01-22 11:56:26,718 INFO: Reading data for image DJI\_0315.JPG (queue-size=1)  
2023-01-22 11:56:26,724 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0314.JPG  
2023-01-22 11:56:26,765 INFO: Reading data for image DJI\_0250.JPG (queue-size=1)  
2023-01-22 11:56:26,771 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0249.JPG  
2023-01-22 11:56:26,795 INFO: Reading data for image DJI\_0380.JPG (queue-size=1)  
2023-01-22 11:56:26,802 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0379.JPG  
2023-01-22 11:56:27,211 INFO: Reading data for image DJI\_0183.JPG (queue-size=1)  
2023-01-22 11:56:27,218 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0182.JPG  
2023-01-22 11:56:27,267 INFO: Reading data for image DJI\_0316.JPG (queue-size=1)  
2023-01-22 11:56:27,278 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0315.JPG  
2023-01-22 11:56:27,357 INFO: Reading data for image DJI\_0251.JPG (queue-size=1)  
2023-01-22 11:56:27,362 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0250.JPG  
2023-01-22 11:56:27,380 INFO: Reading data for image DJI\_0381.JPG (queue-size=1)

2023-01-22 11:56:27,386 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0380.JPG  
2023-01-22 11:56:27,768 INFO: Reading data for image DJI\_0184.JPG (queue-size=1)  
2023-01-22 11:56:27,777 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0183.JPG  
2023-01-22 11:56:27,802 INFO: Reading data for image DJI\_0317.JPG (queue-size=1)  
2023-01-22 11:56:27,812 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0316.JPG  
2023-01-22 11:56:27,889 INFO: Reading data for image DJI\_0252.JPG (queue-size=1)  
2023-01-22 11:56:27,894 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0251.JPG  
2023-01-22 11:56:27,948 INFO: Reading data for image DJI\_0382.JPG (queue-size=1)  
2023-01-22 11:56:27,956 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0381.JPG  
2023-01-22 11:56:28,358 INFO: Reading data for image DJI\_0185.JPG (queue-size=1)  
2023-01-22 11:56:28,370 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0184.JPG  
2023-01-22 11:56:28,385 INFO: Reading data for image DJI\_0318.JPG (queue-size=1)  
2023-01-22 11:56:28,398 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0317.JPG  
2023-01-22 11:56:28,474 INFO: Reading data for image DJI\_0253.JPG (queue-size=1)  
2023-01-22 11:56:28,479 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0252.JPG  
2023-01-22 11:56:28,533 INFO: Reading data for image DJI\_0383.JPG (queue-size=1)  
2023-01-22 11:56:28,537 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0382.JPG  
2023-01-22 11:56:28,940 INFO: Reading data for image DJI\_0186.JPG (queue-size=1)  
2023-01-22 11:56:28,951 INFO: Reading data for image DJI\_0319.JPG (queue-size=1)  
2023-01-22 11:56:28,951 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0185.JPG  
2023-01-22 11:56:28,956 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0318.JPG  
2023-01-22 11:56:29,087 INFO: Reading data for image DJI\_0254.JPG (queue-size=1)  
2023-01-22 11:56:29,092 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0253.JPG  
2023-01-22 11:56:29,116 INFO: Reading data for image DJI\_0384.JPG (queue-size=1)  
2023-01-22 11:56:29,121 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0383.JPG  
2023-01-22 11:56:29,464 INFO: Reading data for image DJI\_0187.JPG (queue-size=1)  
2023-01-22 11:56:29,467 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0186.JPG  
2023-01-22 11:56:29,490 INFO: Reading data for image DJI\_0320.JPG (queue-size=1)  
2023-01-22 11:56:29,494 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0319.JPG

2023-01-22 11:56:29,612 INFO: Reading data for image DJI\_0255.JPG (queue-size=1)  
2023-01-22 11:56:29,617 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0254.JPG  
2023-01-22 11:56:29,647 INFO: Reading data for image DJI\_0385.JPG (queue-size=1)  
2023-01-22 11:56:29,653 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0384.JPG  
2023-01-22 11:56:29,961 INFO: Reading data for image DJI\_0188.JPG (queue-size=1)  
2023-01-22 11:56:29,971 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0187.JPG  
2023-01-22 11:56:30,022 INFO: Reading data for image DJI\_0321.JPG (queue-size=1)  
2023-01-22 11:56:30,030 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0320.JPG  
2023-01-22 11:56:30,102 INFO: Reading data for image DJI\_0256.JPG (queue-size=1)  
2023-01-22 11:56:30,106 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0255.JPG  
2023-01-22 11:56:30,178 INFO: Reading data for image DJI\_0386.JPG (queue-size=1)  
2023-01-22 11:56:30,186 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0385.JPG  
2023-01-22 11:56:30,433 INFO: Reading data for image DJI\_0189.JPG (queue-size=1)  
2023-01-22 11:56:30,438 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0188.JPG  
2023-01-22 11:56:30,538 INFO: Reading data for image DJI\_0322.JPG (queue-size=1)  
2023-01-22 11:56:30,543 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0321.JPG  
2023-01-22 11:56:30,638 INFO: Reading data for image DJI\_0257.JPG (queue-size=1)  
2023-01-22 11:56:30,642 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0256.JPG  
2023-01-22 11:56:30,680 INFO: Reading data for image DJI\_0387.JPG (queue-size=1)  
2023-01-22 11:56:30,684 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0386.JPG  
2023-01-22 11:56:30,904 INFO: Reading data for image DJI\_0190.JPG (queue-size=1)  
2023-01-22 11:56:30,909 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0189.JPG  
2023-01-22 11:56:31,075 INFO: Reading data for image DJI\_0323.JPG (queue-size=1)  
2023-01-22 11:56:31,082 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0322.JPG  
2023-01-22 11:56:31,134 INFO: Reading data for image DJI\_0258.JPG (queue-size=1)  
2023-01-22 11:56:31,138 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0257.JPG  
2023-01-22 11:56:31,176 INFO: Reading data for image DJI\_0388.JPG (queue-size=1)  
2023-01-22 11:56:31,180 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0387.JPG  
2023-01-22 11:56:31,347 INFO: Reading data for image DJI\_0191.JPG (queue-size=1)

2023-01-22 11:56:31,351 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0190.JPG  
2023-01-22 11:56:31,542 INFO: Reading data for image DJI\_0324.JPG (queue-size=1)  
2023-01-22 11:56:31,546 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0323.JPG  
2023-01-22 11:56:31,650 INFO: Reading data for image DJI\_0259.JPG (queue-size=1)  
2023-01-22 11:56:31,655 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0258.JPG  
2023-01-22 11:56:31,690 INFO: Reading data for image DJI\_0389.JPG (queue-size=1)  
2023-01-22 11:56:31,694 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0388.JPG  
2023-01-22 11:56:31,827 INFO: Reading data for image DJI\_0192.JPG (queue-size=1)  
2023-01-22 11:56:31,831 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0191.JPG  
2023-01-22 11:56:32,043 INFO: Reading data for image DJI\_0325.JPG (queue-size=1)  
2023-01-22 11:56:32,049 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0324.JPG  
2023-01-22 11:56:32,168 INFO: Reading data for image DJI\_0390.JPG (queue-size=1)  
2023-01-22 11:56:32,171 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0389.JPG  
2023-01-22 11:56:32,197 INFO: Reading data for image DJI\_0260.JPG (queue-size=1)  
2023-01-22 11:56:32,202 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0259.JPG  
2023-01-22 11:56:32,345 INFO: Reading data for image DJI\_0193.JPG (queue-size=1)  
2023-01-22 11:56:32,360 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0192.JPG  
2023-01-22 11:56:32,579 INFO: Reading data for image DJI\_0326.JPG (queue-size=1)  
2023-01-22 11:56:32,584 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0325.JPG  
2023-01-22 11:56:32,670 INFO: Reading data for image DJI\_0391.JPG (queue-size=1)  
2023-01-22 11:56:32,676 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0390.JPG  
2023-01-22 11:56:32,748 INFO: Reading data for image DJI\_0261.JPG (queue-size=1)  
2023-01-22 11:56:32,752 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0260.JPG  
2023-01-22 11:56:32,858 INFO: Reading data for image DJI\_0194.JPG (queue-size=1)  
2023-01-22 11:56:32,862 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0193.JPG  
2023-01-22 11:56:33,058 INFO: Reading data for image DJI\_0327.JPG (queue-size=1)  
2023-01-22 11:56:33,062 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0326.JPG  
2023-01-22 11:56:33,138 INFO: Reading data for image DJI\_0392.JPG (queue-size=1)  
2023-01-22 11:56:33,144 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0391.JPG

2023-01-22 11:56:33,241 INFO: Reading data for image DJI\_0262.JPG (queue-size=1)  
2023-01-22 11:56:33,245 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0261.JPG  
2023-01-22 11:56:33,406 INFO: Reading data for image DJI\_0195.JPG (queue-size=1)  
2023-01-22 11:56:33,410 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0194.JPG  
2023-01-22 11:56:33,543 INFO: Reading data for image DJI\_0328.JPG (queue-size=1)  
2023-01-22 11:56:33,546 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0327.JPG  
2023-01-22 11:56:33,569 INFO: Reading data for image DJI\_0393.JPG (queue-size=1)  
2023-01-22 11:56:33,576 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0392.JPG  
2023-01-22 11:56:33,704 INFO: Reading data for image DJI\_0263.JPG (queue-size=1)  
2023-01-22 11:56:33,707 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0262.JPG  
2023-01-22 11:56:33,924 INFO: Reading data for image DJI\_0199.JPG (queue-size=1)  
2023-01-22 11:56:33,930 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0195.JPG  
2023-01-22 11:56:34,076 INFO: Reading data for image DJI\_0329.JPG (queue-size=1)  
2023-01-22 11:56:34,085 INFO: Reading data for image DJI\_0394.JPG (queue-size=1)  
2023-01-22 11:56:34,089 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0328.JPG  
2023-01-22 11:56:34,089 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0393.JPG  
2023-01-22 11:56:34,235 INFO: Reading data for image DJI\_0264.JPG (queue-size=1)  
2023-01-22 11:56:34,238 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0263.JPG  
2023-01-22 11:56:34,414 INFO: Reading data for image DJI\_0200.JPG (queue-size=1)  
2023-01-22 11:56:34,417 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0199.JPG  
2023-01-22 11:56:34,569 INFO: Reading data for image DJI\_0395.JPG (queue-size=1)  
2023-01-22 11:56:34,573 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0394.JPG  
2023-01-22 11:56:34,594 INFO: Reading data for image DJI\_0330.JPG (queue-size=1)  
2023-01-22 11:56:34,599 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0329.JPG  
2023-01-22 11:56:34,712 INFO: Reading data for image DJI\_0265.JPG (queue-size=1)  
2023-01-22 11:56:34,715 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0264.JPG  
2023-01-22 11:56:34,913 INFO: Reading data for image DJI\_0201.JPG (queue-size=1)  
2023-01-22 11:56:34,916 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0200.JPG  
2023-01-22 11:56:35,065 INFO: Reading data for image DJI\_0396.JPG (queue-size=1)



2023-01-22 11:56:35,074 INFO: Reading data for image DJI\_0331.JPG (queue-size=1)  
2023-01-22 11:56:35,079 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0330.JPG  
2023-01-22 11:56:35,080 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0395.JPG  
2023-01-22 11:56:35,181 INFO: Reading data for image DJI\_0266.JPG (queue-size=1)  
2023-01-22 11:56:35,186 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0265.JPG  
2023-01-22 11:56:35,418 INFO: Reading data for image DJI\_0202.JPG (queue-size=1)  
2023-01-22 11:56:35,423 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0201.JPG  
2023-01-22 11:56:35,606 INFO: Reading data for image DJI\_0397.JPG (queue-size=1)  
2023-01-22 11:56:35,606 INFO: Reading data for image DJI\_0332.JPG (queue-size=2)  
2023-01-22 11:56:35,616 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0396.JPG  
2023-01-22 11:56:35,616 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0331.JPG  
2023-01-22 11:56:35,724 INFO: Reading data for image DJI\_0267.JPG (queue-size=1)  
2023-01-22 11:56:35,729 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0266.JPG  
2023-01-22 11:56:35,969 INFO: Reading data for image DJI\_0203.JPG (queue-size=1)  
2023-01-22 11:56:35,973 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0202.JPG  
2023-01-22 11:56:36,179 INFO: Reading data for image DJI\_0398.JPG (queue-size=1)  
2023-01-22 11:56:36,189 INFO: Reading data for image DJI\_0333.JPG (queue-size=1)  
2023-01-22 11:56:36,192 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0397.JPG  
2023-01-22 11:56:36,192 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0332.JPG  
2023-01-22 11:56:36,244 INFO: Reading data for image DJI\_0268.JPG (queue-size=1)  
2023-01-22 11:56:36,248 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0267.JPG  
2023-01-22 11:56:36,499 INFO: Reading data for image DJI\_0204.JPG (queue-size=1)  
2023-01-22 11:56:36,503 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0203.JPG  
2023-01-22 11:56:36,669 INFO: Reading data for image DJI\_0399.JPG (queue-size=1)  
2023-01-22 11:56:36,673 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0398.JPG  
2023-01-22 11:56:36,746 INFO: Reading data for image DJI\_0334.JPG (queue-size=1)  
2023-01-22 11:56:36,747 INFO: Reading data for image DJI\_0269.JPG (queue-size=2)  
2023-01-22 11:56:36,755 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0268.JPG  
2023-01-22 11:56:36,757 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0333.JPG

2023-01-22 11:56:37,033 INFO: Reading data for image DJI\_0205.JPG (queue-size=1)  
2023-01-22 11:56:37,038 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0204.JPG  
2023-01-22 11:56:37,219 INFO: Reading data for image DJI\_0400.JPG (queue-size=1)  
2023-01-22 11:56:37,225 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0399.JPG  
2023-01-22 11:56:37,276 INFO: Reading data for image DJI\_0270.JPG (queue-size=1)  
2023-01-22 11:56:37,281 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0269.JPG  
2023-01-22 11:56:37,324 INFO: Reading data for image DJI\_0335.JPG (queue-size=1)  
2023-01-22 11:56:37,328 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0334.JPG  
2023-01-22 11:56:37,553 INFO: Reading data for image DJI\_0206.JPG (queue-size=1)  
2023-01-22 11:56:37,557 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0205.JPG  
2023-01-22 11:56:37,704 INFO: Reading data for image DJI\_0401.JPG (queue-size=1)  
2023-01-22 11:56:37,712 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0400.JPG  
2023-01-22 11:56:37,788 INFO: Reading data for image DJI\_0271.JPG (queue-size=1)  
2023-01-22 11:56:37,793 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0270.JPG  
2023-01-22 11:56:37,816 INFO: Reading data for image DJI\_0336.JPG (queue-size=1)  
2023-01-22 11:56:37,820 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0335.JPG  
2023-01-22 11:56:38,059 INFO: Reading data for image DJI\_0207.JPG (queue-size=1)  
2023-01-22 11:56:38,063 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0206.JPG  
2023-01-22 11:56:38,240 INFO: Reading data for image DJI\_0402.JPG (queue-size=1)  
2023-01-22 11:56:38,245 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0401.JPG  
2023-01-22 11:56:38,343 INFO: Reading data for image DJI\_0272.JPG (queue-size=1)  
2023-01-22 11:56:38,343 INFO: Reading data for image DJI\_0337.JPG (queue-size=2)  
2023-01-22 11:56:38,349 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0271.JPG  
2023-01-22 11:56:38,349 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0336.JPG  
2023-01-22 11:56:38,588 INFO: Reading data for image DJI\_0208.JPG (queue-size=1)  
2023-01-22 11:56:38,591 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0207.JPG  
2023-01-22 11:56:38,749 INFO: Reading data for image DJI\_0403.JPG (queue-size=1)  
2023-01-22 11:56:38,753 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0402.JPG  
2023-01-22 11:56:38,858 INFO: Reading data for image DJI\_0338.JPG (queue-size=1)

2023-01-22 11:56:38,870 INFO: Reading data for image DJI\_0273.JPG (queue-size=1)  
2023-01-22 11:56:38,873 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0337.JPG  
2023-01-22 11:56:38,874 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0272.JPG  
2023-01-22 11:56:39,113 INFO: Reading data for image DJI\_0209.JPG (queue-size=1)  
2023-01-22 11:56:39,118 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0208.JPG  
2023-01-22 11:56:39,271 INFO: Reading data for image DJI\_0404.JPG (queue-size=1)  
2023-01-22 11:56:39,279 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0403.JPG  
2023-01-22 11:56:39,425 INFO: Reading data for image DJI\_0339.JPG (queue-size=1)  
2023-01-22 11:56:39,429 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0338.JPG  
2023-01-22 11:56:39,458 INFO: Reading data for image DJI\_0274.JPG (queue-size=1)  
2023-01-22 11:56:39,465 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0273.JPG  
2023-01-22 11:56:39,676 INFO: Reading data for image DJI\_0210.JPG (queue-size=1)  
2023-01-22 11:56:39,680 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0209.JPG  
2023-01-22 11:56:39,861 INFO: Reading data for image DJI\_0405.JPG (queue-size=1)  
2023-01-22 11:56:39,865 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0404.JPG  
2023-01-22 11:56:39,980 INFO: Reading data for image DJI\_0340.JPG (queue-size=1)  
2023-01-22 11:56:39,984 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0339.JPG  
2023-01-22 11:56:40,009 INFO: Reading data for image DJI\_0275.JPG (queue-size=1)  
2023-01-22 11:56:40,014 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0274.JPG  
2023-01-22 11:56:40,186 INFO: Reading data for image DJI\_0211.JPG (queue-size=1)  
2023-01-22 11:56:40,190 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0210.JPG  
2023-01-22 11:56:40,387 INFO: Reading data for image DJI\_0406.JPG (queue-size=1)  
2023-01-22 11:56:40,393 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0405.JPG  
2023-01-22 11:56:40,499 INFO: Reading data for image DJI\_0341.JPG (queue-size=1)  
2023-01-22 11:56:40,503 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0340.JPG  
2023-01-22 11:56:40,573 INFO: Reading data for image DJI\_0276.JPG (queue-size=1)  
2023-01-22 11:56:40,580 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0275.JPG  
2023-01-22 11:56:40,691 INFO: Reading data for image DJI\_0212.JPG (queue-size=1)  
2023-01-22 11:56:40,695 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0211.JPG

2023-01-22 11:56:40,911 INFO: Reading data for image DJI\_0407.JPG (queue-size=1)  
2023-01-22 11:56:40,918 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0406.JPG  
2023-01-22 11:56:41,071 INFO: Reading data for image DJI\_0342.JPG (queue-size=1)  
2023-01-22 11:56:41,078 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0341.JPG  
2023-01-22 11:56:41,120 INFO: Reading data for image DJI\_0277.JPG (queue-size=1)  
2023-01-22 11:56:41,129 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0276.JPG  
2023-01-22 11:56:41,248 INFO: Reading data for image DJI\_0213.JPG (queue-size=1)  
2023-01-22 11:56:41,251 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0212.JPG  
2023-01-22 11:56:41,452 INFO: Reading data for image DJI\_0408.JPG (queue-size=1)  
2023-01-22 11:56:41,458 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0407.JPG  
2023-01-22 11:56:41,637 INFO: Reading data for image DJI\_0343.JPG (queue-size=1)  
2023-01-22 11:56:41,644 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0342.JPG  
2023-01-22 11:56:41,678 INFO: Reading data for image DJI\_0278.JPG (queue-size=1)  
2023-01-22 11:56:41,684 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0277.JPG  
2023-01-22 11:56:41,812 INFO: Reading data for image DJI\_0214.JPG (queue-size=1)  
2023-01-22 11:56:41,816 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0213.JPG  
2023-01-22 11:56:42,009 INFO: Reading data for image DJI\_0409.JPG (queue-size=1)  
2023-01-22 11:56:42,014 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0408.JPG  
2023-01-22 11:56:42,178 INFO: Reading data for image DJI\_0344.JPG (queue-size=1)  
2023-01-22 11:56:42,184 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0343.JPG  
2023-01-22 11:56:42,204 INFO: Reading data for image DJI\_0279.JPG (queue-size=1)  
2023-01-22 11:56:42,211 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0278.JPG  
2023-01-22 11:56:42,351 INFO: Reading data for image DJI\_0215.JPG (queue-size=1)  
2023-01-22 11:56:42,355 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0214.JPG  
2023-01-22 11:56:42,570 INFO: Reading data for image DJI\_0410.JPG (queue-size=1)  
2023-01-22 11:56:42,573 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0409.JPG  
2023-01-22 11:56:42,645 INFO: Reading data for image DJI\_0345.JPG (queue-size=1)  
2023-01-22 11:56:42,651 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0344.JPG  
2023-01-22 11:56:42,769 INFO: Reading data for image DJI\_0280.JPG (queue-size=1)

2023-01-22 11:56:42,773 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0279.JPG  
2023-01-22 11:56:42,864 INFO: Reading data for image DJI\_0216.JPG (queue-size=1)  
2023-01-22 11:56:42,869 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0215.JPG  
2023-01-22 11:56:43,055 INFO: Reading data for image DJI\_0411.JPG (queue-size=1)  
2023-01-22 11:56:43,060 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0410.JPG  
2023-01-22 11:56:43,170 INFO: Reading data for image DJI\_0346.JPG (queue-size=1)  
2023-01-22 11:56:43,174 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0345.JPG  
2023-01-22 11:56:43,283 INFO: Reading data for image DJI\_0281.JPG (queue-size=1)  
2023-01-22 11:56:43,287 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0280.JPG  
2023-01-22 11:56:43,371 INFO: Reading data for image DJI\_0217.JPG (queue-size=1)  
2023-01-22 11:56:43,376 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0216.JPG  
2023-01-22 11:56:43,554 INFO: Reading data for image DJI\_0412.JPG (queue-size=1)  
2023-01-22 11:56:43,558 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0411.JPG  
2023-01-22 11:56:43,699 INFO: Reading data for image DJI\_0347.JPG (queue-size=1)  
2023-01-22 11:56:43,703 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0346.JPG  
2023-01-22 11:56:43,810 INFO: Reading data for image DJI\_0282.JPG (queue-size=1)  
2023-01-22 11:56:43,814 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0281.JPG  
2023-01-22 11:56:43,871 INFO: Reading data for image DJI\_0218.JPG (queue-size=1)  
2023-01-22 11:56:43,875 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0217.JPG  
2023-01-22 11:56:44,113 INFO: Reading data for image DJI\_0413.JPG (queue-size=1)  
2023-01-22 11:56:44,121 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0412.JPG  
2023-01-22 11:56:44,233 INFO: Reading data for image DJI\_0348.JPG (queue-size=1)  
2023-01-22 11:56:44,237 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0347.JPG  
2023-01-22 11:56:44,344 INFO: Reading data for image DJI\_0283.JPG (queue-size=1)  
2023-01-22 11:56:44,347 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0282.JPG  
2023-01-22 11:56:44,426 INFO: Reading data for image DJI\_0219.JPG (queue-size=1)  
2023-01-22 11:56:44,432 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0218.JPG  
2023-01-22 11:56:44,669 INFO: Reading data for image DJI\_0349.JPG (queue-size=1)  
2023-01-22 11:56:44,675 INFO: Reading data for image DJI\_0414.JPG (queue-size=1)

2023-01-22 11:56:44,678 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0413.JPG  
2023-01-22 11:56:44,680 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0348.JPG  
2023-01-22 11:56:44,840 INFO: Reading data for image DJI\_0284.JPG (queue-size=1)  
2023-01-22 11:56:44,844 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0283.JPG  
2023-01-22 11:56:44,898 INFO: Reading data for image DJI\_0220.JPG (queue-size=1)  
2023-01-22 11:56:44,901 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0219.JPG  
2023-01-22 11:56:45,178 INFO: Reading data for image DJI\_0350.JPG (queue-size=1)  
2023-01-22 11:56:45,178 INFO: Reading data for image DJI\_0415.JPG (queue-size=2)  
2023-01-22 11:56:45,189 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0414.JPG  
2023-01-22 11:56:45,189 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0349.JPG  
2023-01-22 11:56:45,332 INFO: Reading data for image DJI\_0285.JPG (queue-size=1)  
2023-01-22 11:56:45,337 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0284.JPG  
2023-01-22 11:56:45,404 INFO: Reading data for image DJI\_0221.JPG (queue-size=1)  
2023-01-22 11:56:45,408 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0220.JPG  
2023-01-22 11:56:45,663 INFO: Reading data for image DJI\_0416.JPG (queue-size=1)  
2023-01-22 11:56:45,666 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0415.JPG  
2023-01-22 11:56:45,711 INFO: Reading data for image DJI\_0351.JPG (queue-size=1)  
2023-01-22 11:56:45,715 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0350.JPG  
2023-01-22 11:56:45,880 INFO: Reading data for image DJI\_0286.JPG (queue-size=1)  
2023-01-22 11:56:45,884 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0285.JPG  
2023-01-22 11:56:45,937 INFO: Reading data for image DJI\_0222.JPG (queue-size=1)  
2023-01-22 11:56:45,941 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0221.JPG  
2023-01-22 11:56:46,180 INFO: Reading data for image DJI\_0417.JPG (queue-size=1)  
2023-01-22 11:56:46,184 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0416.JPG  
2023-01-22 11:56:46,234 INFO: Reading data for image DJI\_0352.JPG (queue-size=1)  
2023-01-22 11:56:46,237 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0351.JPG  
2023-01-22 11:56:46,433 INFO: Reading data for image DJI\_0287.JPG (queue-size=1)  
2023-01-22 11:56:46,439 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0286.JPG  
2023-01-22 11:56:46,462 INFO: Reading data for image DJI\_0223.JPG (queue-size=1)

2023-01-22 11:56:46,466 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0222.JPG  
2023-01-22 11:56:46,670 INFO: Reading data for image DJI\_0418.JPG (queue-size=1)  
2023-01-22 11:56:46,675 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0417.JPG  
2023-01-22 11:56:46,783 INFO: Reading data for image DJI\_0353.JPG (queue-size=1)  
2023-01-22 11:56:46,787 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0352.JPG  
2023-01-22 11:56:46,977 INFO: Reading data for image DJI\_0224.JPG (queue-size=1)  
2023-01-22 11:56:46,984 INFO: Reading data for image DJI\_0288.JPG (queue-size=1)  
2023-01-22 11:56:46,987 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0223.JPG  
2023-01-22 11:56:46,987 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0287.JPG  
2023-01-22 11:56:47,167 INFO: Reading data for image DJI\_0419.JPG (queue-size=1)  
2023-01-22 11:56:47,171 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0418.JPG  
2023-01-22 11:56:47,297 INFO: Reading data for image DJI\_0354.JPG (queue-size=1)  
2023-01-22 11:56:47,305 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0353.JPG  
2023-01-22 11:56:47,479 INFO: Reading data for image DJI\_0289.JPG (queue-size=1)  
2023-01-22 11:56:47,483 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0288.JPG  
2023-01-22 11:56:47,514 INFO: Reading data for image DJI\_0225.JPG (queue-size=1)  
2023-01-22 11:56:47,521 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0224.JPG  
2023-01-22 11:56:47,677 INFO: Reading data for image DJI\_0420.JPG (queue-size=1)  
2023-01-22 11:56:47,681 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0419.JPG  
2023-01-22 11:56:47,813 INFO: Reading data for image DJI\_0355.JPG (queue-size=1)  
2023-01-22 11:56:47,817 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0354.JPG  
2023-01-22 11:56:47,995 INFO: Reading data for image DJI\_0290.JPG (queue-size=1)  
2023-01-22 11:56:48,000 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0289.JPG  
2023-01-22 11:56:48,024 INFO: Reading data for image DJI\_0226.JPG (queue-size=1)  
2023-01-22 11:56:48,029 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0225.JPG  
2023-01-22 11:56:48,216 INFO: Reading data for image DJI\_0421.JPG (queue-size=1)  
2023-01-22 11:56:48,220 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0420.JPG  
2023-01-22 11:56:48,290 INFO: Reading data for image DJI\_0356.JPG (queue-size=1)  
2023-01-22 11:56:48,297 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0355.JPG

2023-01-22 11:56:48,512 INFO: Reading data for image DJI\_0291.JPG (queue-size=1)  
2023-01-22 11:56:48,515 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0290.JPG  
2023-01-22 11:56:48,572 INFO: Reading data for image DJI\_0227.JPG (queue-size=1)  
2023-01-22 11:56:48,577 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0226.JPG  
2023-01-22 11:56:48,719 INFO: Reading data for image DJI\_0422.JPG (queue-size=1)  
2023-01-22 11:56:48,724 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0421.JPG  
2023-01-22 11:56:48,796 INFO: Reading data for image DJI\_0357.JPG (queue-size=1)  
2023-01-22 11:56:48,801 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0356.JPG  
2023-01-22 11:56:49,041 INFO: Reading data for image DJI\_0292.JPG (queue-size=1)  
2023-01-22 11:56:49,045 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0291.JPG  
2023-01-22 11:56:49,114 INFO: Reading data for image DJI\_0228.JPG (queue-size=1)  
2023-01-22 11:56:49,124 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0227.JPG  
2023-01-22 11:56:49,257 INFO: Reading data for image DJI\_0423.JPG (queue-size=1)  
2023-01-22 11:56:49,261 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0422.JPG  
2023-01-22 11:56:49,332 INFO: Reading data for image DJI\_0358.JPG (queue-size=1)  
2023-01-22 11:56:49,335 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0357.JPG  
2023-01-22 11:56:49,542 INFO: Reading data for image DJI\_0293.JPG (queue-size=1)  
2023-01-22 11:56:49,546 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0292.JPG  
2023-01-22 11:56:49,608 INFO: Reading data for image DJI\_0229.JPG (queue-size=1)  
2023-01-22 11:56:49,613 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0228.JPG  
2023-01-22 11:56:49,756 INFO: Reading data for image DJI\_0424.JPG (queue-size=1)  
2023-01-22 11:56:49,760 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0423.JPG  
2023-01-22 11:56:49,847 INFO: Reading data for image DJI\_0359.JPG (queue-size=1)  
2023-01-22 11:56:49,851 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0358.JPG  
2023-01-22 11:56:50,028 INFO: Reading data for image DJI\_0294.JPG (queue-size=1)  
2023-01-22 11:56:50,031 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0293.JPG  
2023-01-22 11:56:50,099 INFO: Reading data for image DJI\_0230.JPG (queue-size=1)  
2023-01-22 11:56:50,107 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0229.JPG  
2023-01-22 11:56:50,314 INFO: Reading data for image DJI\_0425.JPG (queue-size=1)



2023-01-22 11:56:50,319 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0424.JPG  
2023-01-22 11:56:50,374 INFO: Reading data for image DJI\_0360.JPG (queue-size=1)  
2023-01-22 11:56:50,377 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0359.JPG  
2023-01-22 11:56:50,561 INFO: Reading data for image DJI\_0295.JPG (queue-size=1)  
2023-01-22 11:56:50,564 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0294.JPG  
2023-01-22 11:56:50,593 INFO: Reading data for image DJI\_0231.JPG (queue-size=1)  
2023-01-22 11:56:50,597 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0230.JPG  
2023-01-22 11:56:50,809 INFO: Reading data for image DJI\_0426.JPG (queue-size=1)  
2023-01-22 11:56:50,813 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0425.JPG  
2023-01-22 11:56:50,857 INFO: Reading data for image DJI\_0361.JPG (queue-size=1)  
2023-01-22 11:56:50,861 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0360.JPG  
2023-01-22 11:56:51,057 INFO: Reading data for image DJI\_0296.JPG (queue-size=1)  
2023-01-22 11:56:51,061 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0295.JPG  
2023-01-22 11:56:51,084 INFO: Reading data for image DJI\_0232.JPG (queue-size=1)  
2023-01-22 11:56:51,093 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0231.JPG  
2023-01-22 11:56:51,293 INFO: Reading data for image DJI\_0427.JPG (queue-size=1)  
2023-01-22 11:56:51,298 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0426.JPG  
2023-01-22 11:56:51,371 INFO: Reading data for image DJI\_0362.JPG (queue-size=1)  
2023-01-22 11:56:51,379 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0361.JPG  
2023-01-22 11:56:51,531 INFO: Reading data for image DJI\_0297.JPG (queue-size=1)  
2023-01-22 11:56:51,534 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0296.JPG  
2023-01-22 11:56:51,556 INFO: Reading data for image DJI\_0233.JPG (queue-size=1)  
2023-01-22 11:56:51,566 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0232.JPG  
2023-01-22 11:56:51,787 INFO: Reading data for image DJI\_0428.JPG (queue-size=1)  
2023-01-22 11:56:51,791 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0427.JPG  
2023-01-22 11:56:51,884 INFO: Reading data for image DJI\_0363.JPG (queue-size=1)  
2023-01-22 11:56:51,888 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0362.JPG  
2023-01-22 11:56:52,073 INFO: Reading data for image DJI\_0234.JPG (queue-size=1)  
2023-01-22 11:56:52,073 INFO: Reading data for image DJI\_0298.JPG (queue-size=2)

2023-01-22 11:56:52,086 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0233.JPG  
2023-01-22 11:56:52,086 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0297.JPG  
2023-01-22 11:56:52,305 INFO: Reading data for image DJI\_0429.JPG (queue-size=1)  
2023-01-22 11:56:52,309 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0428.JPG  
2023-01-22 11:56:52,406 INFO: Reading data for image DJI\_0364.JPG (queue-size=1)  
2023-01-22 11:56:52,409 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0363.JPG  
2023-01-22 11:56:52,591 INFO: Reading data for image DJI\_0235.JPG (queue-size=1)  
2023-01-22 11:56:52,599 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0234.JPG  
2023-01-22 11:56:52,599 INFO: Reading data for image DJI\_0299.JPG (queue-size=1)  
2023-01-22 11:56:52,603 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0298.JPG  
2023-01-22 11:56:52,778 INFO: Reading data for image DJI\_0430.JPG (queue-size=1)  
2023-01-22 11:56:52,782 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0429.JPG  
2023-01-22 11:56:52,935 INFO: Reading data for image DJI\_0365.JPG (queue-size=1)  
2023-01-22 11:56:52,945 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0364.JPG  
2023-01-22 11:56:53,072 INFO: Reading data for image DJI\_0300.JPG (queue-size=1)  
2023-01-22 11:56:53,077 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0299.JPG  
2023-01-22 11:56:53,083 INFO: Reading data for image DJI\_0236.JPG (queue-size=1)  
2023-01-22 11:56:53,092 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0235.JPG  
2023-01-22 11:56:53,334 INFO: Reading data for image DJI\_0431.JPG (queue-size=1)  
2023-01-22 11:56:53,339 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0430.JPG  
2023-01-22 11:56:53,473 INFO: Reading data for image DJI\_0366.JPG (queue-size=1)  
2023-01-22 11:56:53,479 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0365.JPG  
2023-01-22 11:56:53,564 INFO: Reading data for image DJI\_0301.JPG (queue-size=1)  
2023-01-22 11:56:53,571 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0300.JPG  
2023-01-22 11:56:53,622 INFO: Reading data for image DJI\_0237.JPG (queue-size=1)  
2023-01-22 11:56:53,626 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0236.JPG  
2023-01-22 11:56:53,865 INFO: Reading data for image DJI\_0432.JPG (queue-size=1)  
2023-01-22 11:56:53,870 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0431.JPG  
2023-01-22 11:56:53,993 INFO: Reading data for image DJI\_0367.JPG (queue-size=1)

2023-01-22 11:56:53,998 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0366.JPG  
2023-01-22 11:56:54,134 INFO: Reading data for image DJI\_0302.JPG (queue-size=1)  
2023-01-22 11:56:54,143 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0301.JPG  
2023-01-22 11:56:54,188 INFO: Reading data for image DJI\_0238.JPG (queue-size=1)  
2023-01-22 11:56:54,192 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0237.JPG  
2023-01-22 11:56:54,429 INFO: Reading data for image DJI\_0433.JPG (queue-size=1)  
2023-01-22 11:56:54,434 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0432.JPG  
2023-01-22 11:56:54,554 INFO: Reading data for image DJI\_0368.JPG (queue-size=1)  
2023-01-22 11:56:54,561 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0367.JPG  
2023-01-22 11:56:54,700 INFO: Reading data for image DJI\_0303.JPG (queue-size=1)  
2023-01-22 11:56:54,705 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0302.JPG  
2023-01-22 11:56:54,723 INFO: Reading data for image DJI\_0239.JPG (queue-size=1)  
2023-01-22 11:56:54,726 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0238.JPG  
2023-01-22 11:56:54,937 INFO: Reading data for image DJI\_0434.JPG (queue-size=1)  
2023-01-22 11:56:54,940 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0433.JPG  
2023-01-22 11:56:55,098 INFO: Reading data for image DJI\_0369.JPG (queue-size=1)  
2023-01-22 11:56:55,103 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0368.JPG  
2023-01-22 11:56:55,229 INFO: Reading data for image DJI\_0240.JPG (queue-size=1)  
2023-01-22 11:56:55,234 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0239.JPG  
2023-01-22 11:56:55,243 INFO: Reading data for image DJI\_0304.JPG (queue-size=1)  
2023-01-22 11:56:55,248 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0303.JPG  
2023-01-22 11:56:55,458 INFO: Reading data for image DJI\_0435.JPG (queue-size=1)  
2023-01-22 11:56:55,466 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0434.JPG  
2023-01-22 11:56:55,612 INFO: Reading data for image DJI\_0370.JPG (queue-size=1)  
2023-01-22 11:56:55,618 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0369.JPG  
2023-01-22 11:56:55,763 INFO: Reading data for image DJI\_0241.JPG (queue-size=1)  
2023-01-22 11:56:55,767 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0240.JPG  
2023-01-22 11:56:55,800 INFO: Reading data for image DJI\_0305.JPG (queue-size=1)  
2023-01-22 11:56:55,806 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0304.JPG

2023-01-22 11:56:56,000 INFO: Reading data for image DJI\_0436.JPG (queue-size=1)  
2023-01-22 11:56:56,004 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0435.JPG  
2023-01-22 11:56:56,136 INFO: Reading data for image DJI\_0371.JPG (queue-size=1)  
2023-01-22 11:56:56,141 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0370.JPG  
2023-01-22 11:56:56,317 INFO: Reading data for image DJI\_0242.JPG (queue-size=1)  
2023-01-22 11:56:56,322 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0241.JPG  
2023-01-22 11:56:56,346 INFO: Reading data for image DJI\_0306.JPG (queue-size=1)  
2023-01-22 11:56:56,350 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0305.JPG  
2023-01-22 11:56:56,571 INFO: Reading data for image DJI\_0437.JPG (queue-size=1)  
2023-01-22 11:56:56,575 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0436.JPG  
2023-01-22 11:56:56,672 INFO: Reading data for image DJI\_0372.JPG (queue-size=1)  
2023-01-22 11:56:56,676 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0371.JPG  
2023-01-22 11:56:56,855 INFO: Reading data for image DJI\_0243.JPG (queue-size=1)  
2023-01-22 11:56:56,858 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0242.JPG  
2023-01-22 11:56:56,874 INFO: Reading data for image DJI\_0307.JPG (queue-size=1)  
2023-01-22 11:56:56,885 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0306.JPG  
2023-01-22 11:56:57,077 INFO: Reading data for image DJI\_0438.JPG (queue-size=1)  
2023-01-22 11:56:57,084 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0437.JPG  
2023-01-22 11:56:57,238 INFO: Reading data for image DJI\_0373.JPG (queue-size=1)  
2023-01-22 11:56:57,242 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0372.JPG  
2023-01-22 11:56:57,406 INFO: Reading data for image DJI\_0244.JPG (queue-size=1)  
2023-01-22 11:56:57,409 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0243.JPG  
2023-01-22 11:56:57,427 INFO: Reading data for image DJI\_0308.JPG (queue-size=1)  
2023-01-22 11:56:57,430 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0307.JPG  
2023-01-22 11:56:57,635 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0438.JPG  
2023-01-22 11:56:57,736 INFO: Reading data for image DJI\_0374.JPG (queue-size=1)  
2023-01-22 11:56:57,740 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0373.JPG  
2023-01-22 11:56:57,924 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0244.JPG  
2023-01-22 11:56:57,935 INFO: Reading data for image DJI\_0309.JPG (queue-size=1)

2023-01-22 11:56:57,939 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0308.JPG  
2023-01-22 11:56:58,223 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0374.JPG  
2023-01-22 11:56:58,402 INFO: Finished reading images  
2023-01-22 11:56:58,433 INFO: Extracting ROOT\_SIFT\_GPU features for image DJI\_0309.JPG  
[INFO] running  
"D:\webODM\resources\app\apps\ODM\SuperBuild\install\bin\opensfm\bin\opensfm" match\_features  
"D:\webODM\resources\app\apps\NodeODM\data\f7e55583-bfa6-4383-8786-38d2a70ae153\opensfm"  
2023-01-22 11:57:01,980 INFO: Altitude is negative (-0.4674072589816502) : viewing directions are probably divergent. Using default altitude of 1.0  
2023-01-22 11:57:01,980 INFO: Altitude for orientation based matching 1.0  
2023-01-22 11:57:02,117 INFO: Matching 2644 image pairs  
2023-01-22 11:57:02,117 INFO: Computing pair matching with 16 processes  
2023-01-22 11:57:04,592 DEBUG: Matching DJI\_0255.JPG and DJI\_0353.JPG. Matcher: FLANN (symmetric) T-desc: 1.936 T-robust: 0.530 T-total: 2.466 Matches: 43 Robust: 34 Success: True  
2023-01-22 11:57:05,585 DEBUG: Matching DJI\_0272.JPG and DJI\_0312.JPG. Matcher: FLANN (symmetric) T-desc: 3.457 T-robust: 0.002 T-total: 3.460 Matches: 968 Robust: 933 Success: True  
2023-01-22 11:57:05,629 DEBUG: Matching DJI\_0186.JPG and DJI\_0309.JPG. Matcher: FLANN (symmetric) T-desc: 3.500 T-robust: 0.001 T-total: 3.502 Matches: 352 Robust: 328 Success: True  
2023-01-22 11:57:05,905 DEBUG: Matching DJI\_0243.JPG and DJI\_0424.JPG. Matcher: FLANN (symmetric) T-desc: 3.765 T-robust: 0.013 T-total: 3.778 Matches: 22 Robust: 9 Success: False  
2023-01-22 11:57:06,035 DEBUG: Matching DJI\_0325.JPG and DJI\_0235.JPG. Matcher: FLANN (symmetric) T-desc: 3.908 T-robust: 0.002 T-total: 3.911 Matches: 309 Robust: 280 Success: True  
2023-01-22 11:57:07,822 DEBUG: Matching DJI\_0364.JPG and DJI\_0206.JPG. Matcher: FLANN (symmetric) T-desc: 5.696 T-robust: 0.001 T-total: 5.697 Matches: 76 Robust: 65 Success: True  
2023-01-22 11:57:08,791 DEBUG: Matching DJI\_0306.JPG and DJI\_0292.JPG. Matcher: FLANN (symmetric) T-desc: 6.656 T-robust: 0.006 T-total: 6.664 Matches: 1649 Robust: 1613 Success: True  
2023-01-22 11:57:08,993 DEBUG: Matching DJI\_0215.JPG and DJI\_0217.JPG. Matcher: FLANN (symmetric) T-desc: 4.393 T-robust: 0.004 T-total: 4.399 Matches: 396 Robust: 382 Success: True  
2023-01-22 11:57:12,318 DEBUG: Matching DJI\_0236.JPG and DJI\_0356.JPG. Matcher: FLANN (symmetric) T-desc: 10.179 T-robust: 0.011 T-total: 10.191 Matches: 50 Robust: 21 Success: True  
2023-01-22 11:57:13,085 DEBUG: Matching DJI\_0204.JPG and DJI\_0436.JPG. Matcher: FLANN (symmetric) T-desc: 10.944 T-robust: 0.012 T-total: 10.958 Matches: 25 Robust: 9 Success: False  
2023-01-22 11:57:16,490 DEBUG: Matching DJI\_0340.JPG and DJI\_0341.JPG. Matcher: FLANN (symmetric) T-desc: 14.353 T-robust: 0.008 T-total: 14.365 Matches: 2125 Robust: 2087 Success: True  
2023-01-22 11:57:18,064 DEBUG: Matching DJI\_0416.JPG and DJI\_0340.JPG. Matcher: FLANN (symmetric) T-desc: 15.932 T-robust: 0.006 T-total: 15.940 Matches: 143 Robust: 85 Success: True  
2023-01-22 11:57:18,809 DEBUG: Matching DJI\_0429.JPG and DJI\_0384.JPG. Matcher: FLANN (symmetric) T-desc: 16.678 T-robust:

0.004 T-total: 16.683 Matches: 209 Robust: 131 Success: True  
2023-01-22 11:57:19,461 DEBUG: Matching DJI\_0402.JPG and  
DJI\_0392.JPG. Matcher: FLANN (symmetric) T-desc: 17.317 T-robust:  
0.013 T-total: 17.333 Matches: 45 Robust: 10 Success: False  
2023-01-22 11:57:20,439 DEBUG: Matching DJI\_0352.JPG and  
DJI\_0351.JPG. Matcher: FLANN (symmetric) T-desc: 14.527 T-robust:  
0.005 T-total: 14.533 Matches: 1218 Robust: 1190 Success: True  
2023-01-22 11:57:23,107 DEBUG: Matching DJI\_0419.JPG and  
DJI\_0370.JPG. Matcher: FLANN (symmetric) T-desc: 20.967 T-robust:  
0.012 T-total: 20.981 Matches: 37 Robust: 10 Success: False  
2023-01-22 11:57:23,786 DEBUG: Matching DJI\_0430.JPG and  
DJI\_0284.JPG. Matcher: FLANN (symmetric) T-desc: 21.659 T-robust:  
0.001 T-total: 21.661 Matches: 145 Robust: 107 Success: True  
2023-01-22 11:57:24,604 DEBUG: Matching DJI\_0397.JPG and  
DJI\_0431.JPG. Matcher: FLANN (symmetric) T-desc: 22.464 T-robust:  
0.011 T-total: 22.476 Matches: 33 Robust: 9 Success: False  
2023-01-22 11:57:25,521 DEBUG: Matching DJI\_0353.JPG and  
DJI\_0256.JPG. Matcher: FLANN (symmetric) T-desc: 12.423 T-robust:  
0.012 T-total: 12.436 Matches: 24 Robust: 9 Success: False  
2023-01-22 11:57:27,970 DEBUG: Matching DJI\_0392.JPG and  
DJI\_0385.JPG. Matcher: FLANN (symmetric) T-desc: 19.165 T-robust:  
0.011 T-total: 19.178 Matches: 35 Robust: 9 Success: False  
2023-01-22 11:57:28,508 DEBUG: Matching DJI\_0360.JPG and  
DJI\_0331.JPG. Matcher: FLANN (symmetric) T-desc: 20.682 T-robust:  
0.002 T-total: 20.685 Matches: 155 Robust: 129 Success: True  
2023-01-22 11:57:28,966 DEBUG: Matching DJI\_0325.JPG and  
DJI\_0382.JPG. Matcher: FLANN (symmetric) T-desc: 23.366 T-robust:  
0.013 T-total: 23.380 Matches: 37 Robust: 10 Success: False  
2023-01-22 11:57:31,436 DEBUG: Matching DJI\_0407.JPG and  
DJI\_0349.JPG. Matcher: FLANN (symmetric) T-desc: 25.396 T-robust:  
0.001 T-total: 25.400 Matches: 191 Robust: 147 Success: True  
2023-01-22 11:57:34,777 DEBUG: Matching DJI\_0281.JPG and  
DJI\_0264.JPG. Matcher: FLANN (symmetric) T-desc: 16.707 T-robust:  
0.002 T-total: 16.712 Matches: 439 Robust: 422 Success: True  
2023-01-22 11:57:35,288 DEBUG: Matching DJI\_0398.JPG and  
DJI\_0401.JPG. Matcher: FLANN (symmetric) T-desc: 29.642 T-robust:  
0.014 T-total: 29.658 Matches: 86 Robust: 11 Success: False  
2023-01-22 11:57:35,817 DEBUG: Matching DJI\_0415.JPG and  
DJI\_0341.JPG. Matcher: FLANN (symmetric) T-desc: 26.807 T-robust:  
0.011 T-total: 26.823 Matches: 85 Robust: 46 Success: True  
2023-01-22 11:57:38,656 DEBUG: Matching DJI\_0313.JPG and  
DJI\_0221.JPG. Matcher: FLANN (symmetric) T-desc: 14.865 T-robust:  
0.002 T-total: 14.869 Matches: 212 Robust: 192 Success: True  
2023-01-22 11:57:39,579 DEBUG: Matching DJI\_0345.JPG and  
DJI\_0265.JPG. Matcher: FLANN (symmetric) T-desc: 23.085 T-robust:  
0.003 T-total: 23.089 Matches: 905 Robust: 881 Success: True  
2023-01-22 11:57:40,781 DEBUG: Matching DJI\_0275.JPG and  
DJI\_0358.JPG. Matcher: FLANN (symmetric) T-desc: 28.459 T-robust:  
0.002 T-total: 28.462 Matches: 824 Robust: 785 Success: True  
2023-01-22 11:57:42,465 DEBUG: Matching DJI\_0254.JPG and  
DJI\_0190.JPG. Matcher: FLANN (symmetric) T-desc: 19.353 T-robust:  
0.002 T-total: 19.357 Matches: 319 Robust: 295 Success: True  
2023-01-22 11:57:42,873 DEBUG: Matching DJI\_0182.JPG and  
DJI\_0237.JPG. Matcher: FLANN (symmetric) T-desc: 22.419 T-robust:  
0.003 T-total: 22.433 Matches: 98 Robust: 64 Success: True  
2023-01-22 11:57:47,791 DEBUG: Matching DJI\_0185.JPG and  
DJI\_0272.JPG. Matcher: FLANN (symmetric) T-desc: 19.814 T-robust:  
0.004 T-total: 19.821 Matches: 506 Robust: 479 Success: True

2023-01-22 11:57:55,083 DEBUG: Matching DJI\_0397.JPG and DJI\_0398.JPG. Matcher: FLANN (symmetric) T-desc: 35.608 T-robust: 0.012 T-total: 35.622 Matches: 90 Robust: 12 Success: False  
2023-01-22 11:57:59,670 DEBUG: Matching DJI\_0368.JPG and DJI\_0338.JPG. Matcher: FLANN (symmetric) T-desc: 34.147 T-robust: 0.001 T-total: 34.149 Matches: 135 Robust: 110 Success: True  
2023-01-22 11:58:00,903 DEBUG: Matching DJI\_0381.JPG and DJI\_0323.JPG. Matcher: FLANN (symmetric) T-desc: 42.081 T-robust: 0.011 T-total: 42.094 Matches: 47 Robust: 10 Success: False  
2023-01-22 11:58:01,719 DEBUG: Matching DJI\_0424.JPG and DJI\_0266.JPG. Matcher: FLANN (symmetric) T-desc: 30.278 T-robust: 0.003 T-total: 30.281 Matches: 339 Robust: 296 Success: True  
2023-01-22 11:58:03,516 DEBUG: Matching DJI\_0240.JPG and DJI\_0287.JPG. Matcher: FLANN (symmetric) T-desc: 24.854 T-robust: 0.004 T-total: 24.860 Matches: 371 Robust: 343 Success: True  
2023-01-22 11:58:04,308 DEBUG: Matching DJI\_0330.JPG and DJI\_0233.JPG. Matcher: FLANN (symmetric) T-desc: 23.526 T-robust: 0.001 T-total: 23.527 Matches: 133 Robust: 107 Success: True  
2023-01-22 11:58:07,146 DEBUG: Matching DJI\_0422.JPG and DJI\_0412.JPG. Matcher: FLANN (symmetric) T-desc: 38.624 T-robust: 0.011 T-total: 38.638 Matches: 55 Robust: 10 Success: False  
2023-01-22 11:58:09,854 DEBUG: Matching DJI\_0434.JPG and DJI\_0432.JPG. Matcher: FLANN (symmetric) T-desc: 45.237 T-robust: 0.012 T-total: 45.251 Matches: 117 Robust: 58 Success: True  
2023-01-22 11:58:13,358 DEBUG: Matching DJI\_0344.JPG and DJI\_0361.JPG. Matcher: FLANN (symmetric) T-desc: 33.772 T-robust: 0.003 T-total: 33.778 Matches: 328 Robust: 301 Success: True  
2023-01-22 11:58:18,506 DEBUG: Matching DJI\_0319.JPG and DJI\_0372.JPG. Matcher: FLANN (symmetric) T-desc: 49.525 T-robust: 0.012 T-total: 49.539 Matches: 37 Robust: 9 Success: False  
2023-01-22 11:58:20,310 DEBUG: Matching DJI\_0359.JPG and DJI\_0260.JPG. Matcher: FLANN (symmetric) T-desc: 37.834 T-robust: 0.006 T-total: 37.845 Matches: 463 Robust: 428 Success: True  
2023-01-22 11:58:20,337 DEBUG: Matching DJI\_0386.JPG and DJI\_0392.JPG. Matcher: FLANN (symmetric) T-desc: 25.247 T-robust: 0.004 T-total: 25.253 Matches: 258 Robust: 222 Success: True  
2023-01-22 11:58:23,177 DEBUG: Matching DJI\_0433.JPG and DJI\_0430.JPG. Matcher: FLANN (symmetric) T-desc: 47.343 T-robust: 0.012 T-total: 47.360 Matches: 56 Robust: 11 Success: False  
2023-01-22 11:58:23,463 DEBUG: Matching DJI\_0247.JPG and DJI\_0300.JPG. Matcher: FLANN (symmetric) T-desc: 22.548 T-robust: 0.008 T-total: 22.560 Matches: 395 Robust: 382 Success: True  
2023-01-22 11:58:29,203 DEBUG: Matching DJI\_0406.JPG and DJI\_0343.JPG. Matcher: FLANN (symmetric) T-desc: 46.315 T-robust: 0.011 T-total: 46.329 Matches: 49 Robust: 10 Success: False  
2023-01-22 11:58:31,483 DEBUG: Matching DJI\_0434.JPG and DJI\_0343.JPG. Matcher: FLANN (symmetric) T-desc: 43.683 T-robust: 0.007 T-total: 43.691 Matches: 64 Robust: 35 Success: True  
2023-01-22 11:58:31,796 DEBUG: Matching DJI\_0267.JPG and DJI\_0233.JPG. Matcher: FLANN (symmetric) T-desc: 28.262 T-robust: 0.014 T-total: 28.280 Matches: 922 Robust: 869 Success: True  
2023-01-22 11:58:32,531 DEBUG: Matching DJI\_0364.JPG and DJI\_0365.JPG. Matcher: FLANN (symmetric) T-desc: 57.234 T-robust: 0.004 T-total: 57.242 Matches: 612 Robust: 570 Success: True  
2023-01-22 11:58:36,008 DEBUG: Matching DJI\_0389.JPG and DJI\_0379.JPG. Matcher: FLANN (symmetric) T-desc: 61.218 T-robust: 0.011 T-total: 61.230 Matches: 35 Robust: 10 Success: False  
2023-01-22 11:58:43,111 DEBUG: Matching DJI\_0339.JPG and

DJI\_0338.JPG. Matcher: FLANN (symmetric) T-desc: 41.375 T-robust: 0.010 T-total: 41.391 Matches: 1703 Robust: 1683 Success: True  
2023-01-22 11:58:46,398 DEBUG: Matching DJI\_0244.JPG and  
DJI\_0213.JPG. Matcher: FLANN (symmetric) T-desc: 17.185 T-robust: 0.006 T-total: 17.194 Matches: 1027 Robust: 1012 Success: True  
2023-01-22 11:58:49,687 DEBUG: Matching DJI\_0287.JPG and  
DJI\_0195.JPG. Matcher: FLANN (symmetric) T-desc: 29.344 T-robust: 0.004 T-total: 29.350 Matches: 1051 Robust: 1026 Success: True  
2023-01-22 11:58:51,711 DEBUG: Matching DJI\_0390.JPG and  
DJI\_0402.JPG. Matcher: FLANN (symmetric) T-desc: 52.018 T-robust: 0.015 T-total: 52.040 Matches: 57 Robust: 11 Success: False  
2023-01-22 11:58:59,369 DEBUG: Matching DJI\_0270.JPG and  
DJI\_0259.JPG. Matcher: FLANN (symmetric) T-desc: 39.049 T-robust: 0.005 T-total: 39.058 Matches: 612 Robust: 594 Success: True  
2023-01-22 11:59:05,721 DEBUG: Matching DJI\_0391.JPG and  
DJI\_0288.JPG. Matcher: FLANN (symmetric) T-desc: 47.200 T-robust: 0.012 T-total: 47.214 Matches: 39 Robust: 10 Success: False  
2023-01-22 11:59:06,214 DEBUG: Matching DJI\_0183.JPG and  
DJI\_0224.JPG. Matcher: FLANN (symmetric) T-desc: 34.718 T-robust: 0.008 T-total: 34.731 Matches: 42 Robust: 28 Success: True  
2023-01-22 11:59:08,797 DEBUG: Matching DJI\_0420.JPG and  
DJI\_0303.JPG. Matcher: FLANN (symmetric) T-desc: 55.434 T-robust: 0.001 T-total: 55.438 Matches: 290 Robust: 246 Success: True  
2023-01-22 11:59:10,137 DEBUG: Matching DJI\_0279.JPG and  
DJI\_0423.JPG. Matcher: FLANN (symmetric) T-desc: 46.663 T-robust: 0.004 T-total: 46.671 Matches: 342 Robust: 315 Success: True  
2023-01-22 11:59:10,653 DEBUG: Matching DJI\_0409.JPG and  
DJI\_0340.JPG. Matcher: FLANN (symmetric) T-desc: 66.327 T-robust: 0.013 T-total: 66.344 Matches: 56 Robust: 10 Success: False  
2023-01-22 11:59:11,880 DEBUG: Matching DJI\_0319.JPG and  
DJI\_0373.JPG. Matcher: FLANN (symmetric) T-desc: 64.715 T-robust: 0.012 T-total: 64.733 Matches: 54 Robust: 10 Success: False  
2023-01-22 11:59:12,492 DEBUG: Matching DJI\_0268.JPG and  
DJI\_0269.JPG. Matcher: FLANN (symmetric) T-desc: 49.273 T-robust: 0.031 T-total: 49.314 Matches: 2853 Robust: 2836 Success: True  
2023-01-22 11:59:12,950 DEBUG: Matching DJI\_0308.JPG and  
DJI\_0225.JPG. Matcher: FLANN (symmetric) T-desc: 29.806 T-robust: 0.025 T-total: 29.838 Matches: 641 Robust: 616 Success: True  
2023-01-22 11:59:14,078 DEBUG: Matching DJI\_0390.JPG and  
DJI\_0392.JPG. Matcher: FLANN (symmetric) T-desc: 38.046 T-robust: 0.018 T-total: 38.069 Matches: 58 Robust: 10 Success: False  
2023-01-22 11:59:20,974 DEBUG: Matching DJI\_0324.JPG and  
DJI\_0288.JPG. Matcher: FLANN (symmetric) T-desc: 48.431 T-robust: 0.009 T-total: 48.443 Matches: 1800 Robust: 1769 Success: True  
2023-01-22 11:59:22,649 DEBUG: Matching DJI\_0343.JPG and  
DJI\_0431.JPG. Matcher: FLANN (symmetric) T-desc: 50.836 T-robust: 0.011 T-total: 50.852 Matches: 26 Robust: 10 Success: False  
2023-01-22 11:59:26,242 DEBUG: Matching DJI\_0397.JPG and  
DJI\_0400.JPG. Matcher: FLANN (symmetric) T-desc: 76.368 T-robust: 0.016 T-total: 76.387 Matches: 76 Robust: 11 Success: False  
2023-01-22 11:59:43,672 DEBUG: Matching DJI\_0423.JPG and  
DJI\_0348.JPG. Matcher: FLANN (symmetric) T-desc: 51.951 T-robust: 0.004 T-total: 51.959 Matches: 937 Robust: 897 Success: True  
2023-01-22 11:59:53,793 DEBUG: Matching DJI\_0392.JPG and  
DJI\_0234.JPG. Matcher: FLANN (symmetric) T-desc: 47.578 Matches:  
FAILED  
2023-01-22 11:59:55,614 DEBUG: Matching DJI\_0387.JPG and  
DJI\_0286.JPG. Matcher: FLANN (symmetric) T-desc: 46.804 T-robust:



0.011 T-total: 46.817 Matches: 30 Robust: 9 Success: False  
2023-01-22 11:59:55,927 DEBUG: Matching DJI\_0312.JPG and  
DJI\_0227.JPG. Matcher: FLANN (symmetric) T-desc: 44.036 T-robust:  
0.008 T-total: 44.047 Matches: 200 Robust: 186 Success: True  
2023-01-22 11:59:57,089 DEBUG: Matching DJI\_0397.JPG and  
DJI\_0387.JPG. Matcher: FLANN (symmetric) T-desc: 51.344 T-robust:  
0.017 T-total: 51.368 Matches: 32 Robust: 9 Success: False  
2023-01-22 12:00:01,544 DEBUG: Matching DJI\_0329.JPG and  
DJI\_0261.JPG. Matcher: FLANN (symmetric) T-desc: 48.556 T-robust:  
0.021 T-total: 48.589 Matches: 2349 Robust: 2334 Success: True  
2023-01-22 12:00:19,543 DEBUG: Matching DJI\_0380.JPG and  
DJI\_0354.JPG. Matcher: FLANN (symmetric) T-desc: 93.128 T-robust:  
0.014 T-total: 93.145 Matches: 92 Robust: 34 Success: True  
2023-01-22 12:00:21,736 DEBUG: Matching DJI\_0406.JPG and  
DJI\_0407.JPG. Matcher: FLANN (symmetric) T-desc: 82.341 T-robust:  
0.018 T-total: 82.367 Matches: 2461 Robust: 2381 Success: True  
2023-01-22 12:00:22,623 DEBUG: Matching DJI\_0194.JPG and  
DJI\_0241.JPG. Matcher: FLANN (symmetric) T-desc: 25.518 T-robust:  
0.010 T-total: 25.533 Matches: 858 Robust: 838 Success: True  
2023-01-22 12:00:22,715 DEBUG: Matching DJI\_0433.JPG and  
DJI\_0206.JPG. Matcher: FLANN (symmetric) T-desc: 56.474 Matches:  
FAILED  
2023-01-22 12:00:23,142 DEBUG: Matching DJI\_0435.JPG and  
DJI\_0425.JPG. Matcher: FLANN (symmetric) T-desc: 72.472 T-robust:  
0.011 T-total: 72.488 Matches: 38 Robust: 11 Success: False  
2023-01-22 12:00:26,921 DEBUG: Matching DJI\_0382.JPG and  
DJI\_0384.JPG. Matcher: FLANN (symmetric) T-desc: 72.809 T-robust:  
0.013 T-total: 72.827 Matches: 143 Robust: 53 Success: True  
2023-01-22 12:00:29,005 DEBUG: Matching DJI\_0381.JPG and  
DJI\_0239.JPG. Matcher: FLANN (symmetric) T-desc: 68.010 T-robust:  
0.015 T-total: 68.030 Matches: 30 Robust: 9 Success: False  
2023-01-22 12:00:29,236 DEBUG: Matching DJI\_0345.JPG and  
DJI\_0435.JPG. Matcher: FLANN (symmetric) T-desc: 66.567 T-robust:  
0.014 T-total: 66.586 Matches: 33 Robust: 9 Success: False  
2023-01-22 12:00:32,669 DEBUG: Matching DJI\_0208.JPG and  
DJI\_0209.JPG. Matcher: FLANN (symmetric) T-desc: 36.718 T-robust:  
0.017 T-total: 36.741 Matches: 1216 Robust: 1202 Success: True  
2023-01-22 12:00:36,677 DEBUG: Matching DJI\_0379.JPG and  
DJI\_0378.JPG. Matcher: FLANN (symmetric) T-desc: 86.527 T-robust:  
0.006 T-total: 86.539 Matches: 183 Robust: 108 Success: True  
2023-01-22 12:00:46,813 DEBUG: Matching DJI\_0381.JPG and  
DJI\_0322.JPG. Matcher: FLANN (symmetric) T-desc: 94.301 T-robust:  
0.012 T-total: 94.316 Matches: 73 Robust: 22 Success: True  
2023-01-22 12:00:54,745 DEBUG: Matching DJI\_0423.JPG and  
DJI\_0350.JPG. Matcher: FLANN (symmetric) T-desc: 71.057 T-robust:  
0.012 T-total: 71.072 Matches: 52 Robust: 23 Success: True  
2023-01-22 12:00:54,903 DEBUG: Matching DJI\_0290.JPG and  
DJI\_0310.JPG. Matcher: FLANN (symmetric) T-desc: 53.344 T-robust:  
0.003 T-total: 53.357 Matches: 583 Robust: 550 Success: True  
2023-01-22 12:01:01,751 DEBUG: Matching DJI\_0363.JPG and  
DJI\_0348.JPG. Matcher: FLANN (symmetric) T-desc: 66.130 T-robust:  
0.004 T-total: 66.136 Matches: 173 Robust: 153 Success: True