

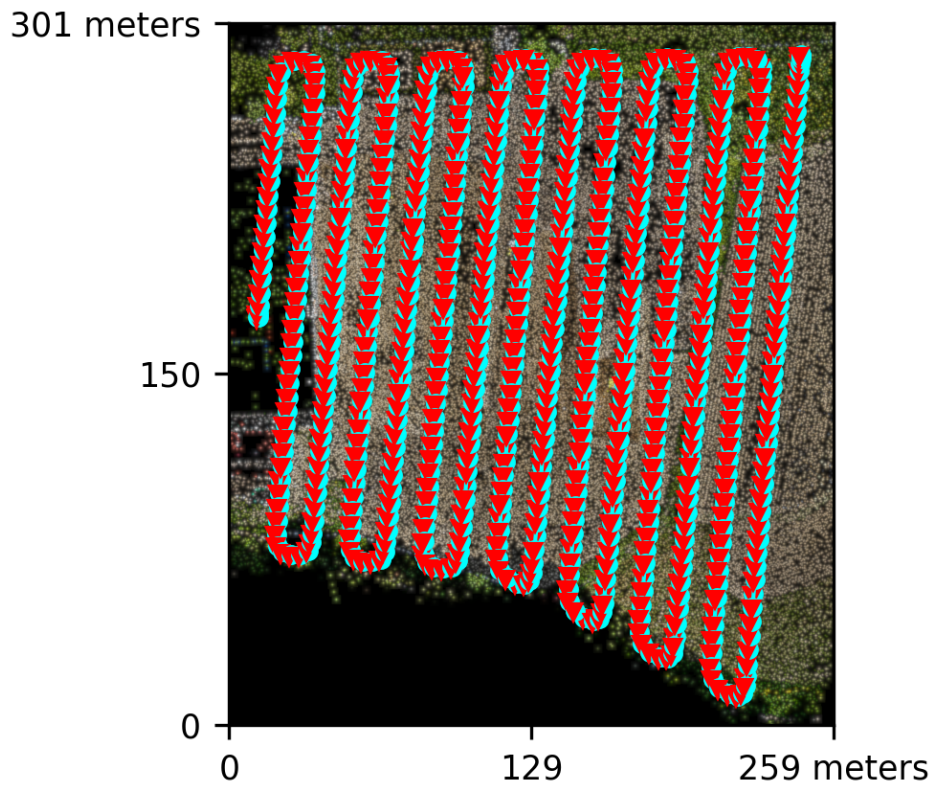
# Sodex Quality Report

## Dataset Summary

Date	19/06/2025 at 11:59:09
Area Covered	0.064017 km <sup>2</sup>
Processing Time	6.0h:33.0m:29.0s
Capture Start	16/05/2025 at 13:34:09
Capture End	16/05/2025 at 13:42:52

## Processing Summary

Reconstructed Images	635 over 635 shots (100.0%)
Reconstructed Points (Sparse)	559005 over 567832 points (98.4%)
Reconstructed Points (Dense)	158,846,539 points
Average Ground Sampling Distance (GSD)	1.5 cm
Detected Features	10,000 features
Reconstructed Features	7,272 features
Geographic Reference	GPS and GCP
GPS / GCP errors	1.44 / 0.00 meters

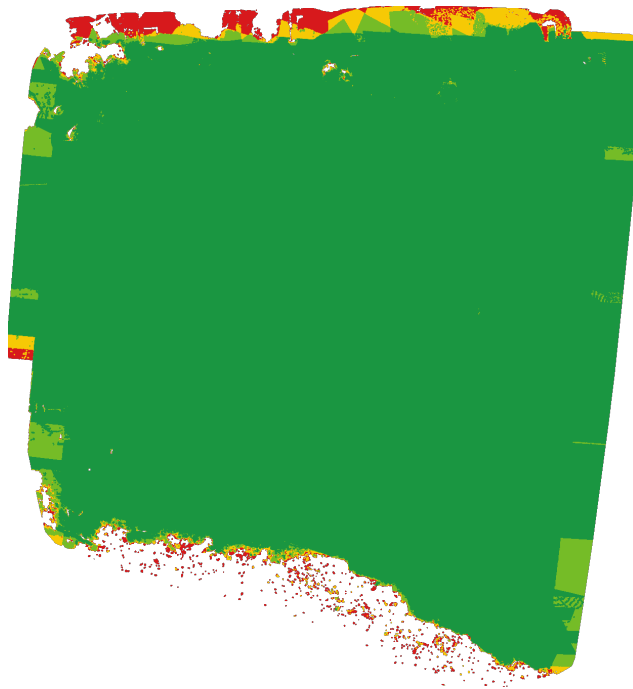


# Previews



Orthophoto

# Survey Data



■ 2 ■ 3 ■ 4 ■ 5+

## GPS/GCP/3D Errors Details

GPS	Mean	Standard Deviation	RMS Error
X Error (meters)	0.710	0.024	0.711
Y Error (meters)	0.576	0.046	0.578
Z Error (meters)	-1.115	0.049	1.116
Total			1.443

GCP	Mean	Standard Deviation	RMS Error
X Error (meters)	0.000	0.002	0.002
Y Error (meters)	0.000	0.002	0.002
Z Error (meters)	0.001	0.003	0.003
Total			0.004

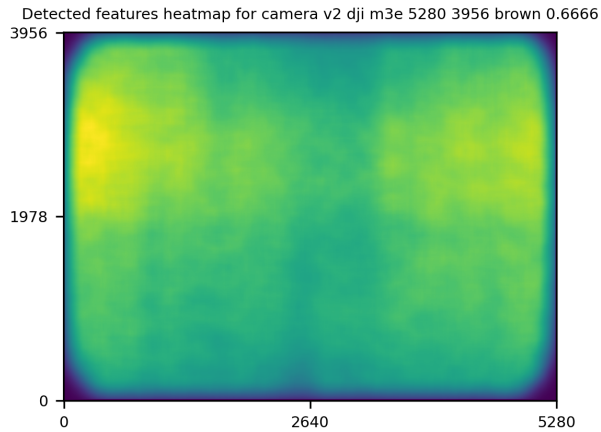
3D	Mean	Standard Deviation	RMS Error
X Error (meters)	0.022	0.039	0.045
Y Error (meters)	0.015	0.034	0.037
Z Error (meters)	0.051	0.106	0.118
Total			0.063

	Absolute	Relative
Horizontal Accuracy CE90 (meters)	0.004	0.060
Vertical Accuracy LE90 (meters)	0.006	0.118

## Ground Control Point Error

ID	Error X (m)	Error Y (m)	Error Z (m)
GCP-0	0.000	0.004	0.003
GCP-1	0.001	0.001	-0.001
GCP-2	0.002	0.002	-0.006
GCP-3	-0.000	-0.005	0.004
GCP-4	-0.000	0.001	-0.001
GCP-5	-0.002	0.000	0.001
GCP-6	-0.000	-0.000	-0.001
GCP-7	0.003	-0.002	0.006
GCP-8	-0.002	-0.001	0.001

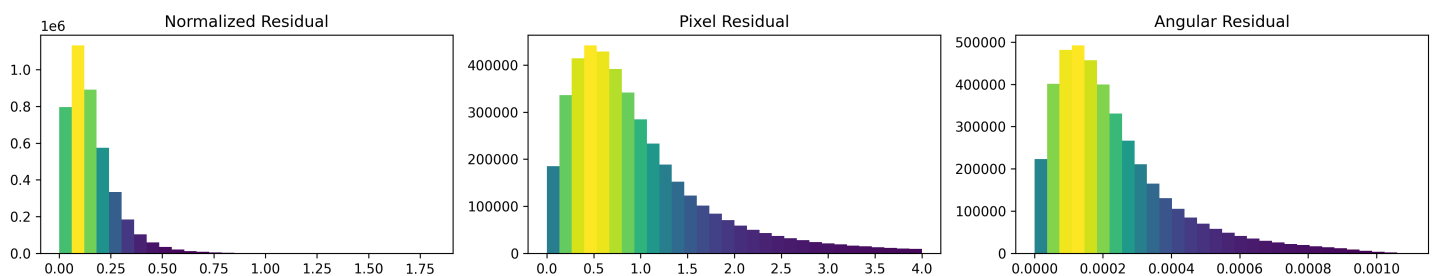
# Features Details



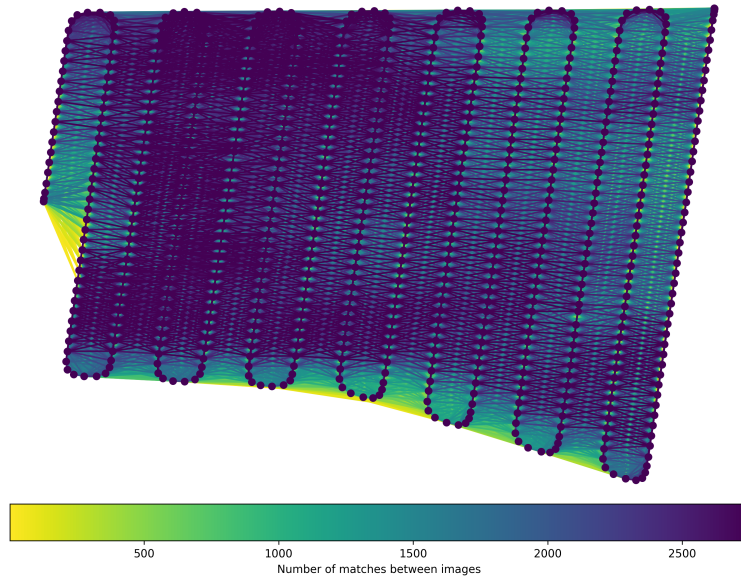
	Min.	Max.	Mean	Median
Detected	10000	10000	10000	10000
Reconstructed	1721	8369	6811	7272

# Reconstruction Details

Average Reprojection Error (normalized / pixels / angular)	0.16 / 0.95 / 0.00023
Average Track Length	7.74 images
Average Track Length (> 2)	10.44 images



# Tracks Details

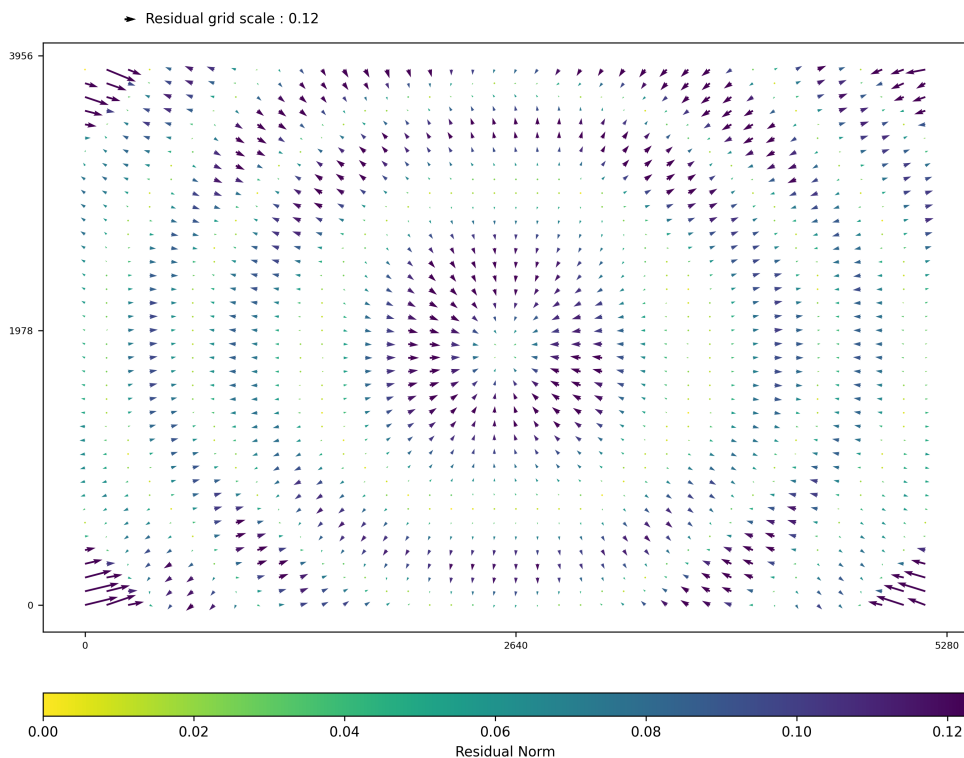


Length	2	3	4	5	6	7	8	9	10
Count	179049	85989	51869	36180	27026	21259	17026	14153	12019

# Camera Models Details

**v2 dji m3e 5280 3956 brown 0.6666**

	k1	k2	k3	p1	p2	focal	aspect_ratio	cx	cy
Initial	0.0000	0.0000	0.0000	0.0000	0.0000	0.6667	1.0000	0.0000	0.0000
Optimized	-0.1001	-0.0052	-0.0123	-0.0004	-0.0001	0.6902	1.0000	0.0011	-0.0042



# Sodex GCP Finder Report

## Overview

Input images: 635

Input GCPs: 9

GCP ID	Easting [m]	Northing [m]	Height [m]	Number of images
1	519420.753	5250609.582	688.612	34
2	519463.277	5250590.652	688.075	24
3	519552.681	5250607.570	689.127	39
4	519572.556	5250788.124	685.935	17
5	519490.346	5250788.449	685.002	42
6	519422.501	5250784.927	685.032	29
7	519418.265	5250700.972	685.060	46
8	519485.946	5250698.905	685.536	41
9	519566.654	5250704.131	685.594	42

## Detection Output

GCP ID	Filename	Pixel X	Pixel Y	Query Marker Size [px]
1	DJI_20250516133611_0149_V.JPG	1157	2001	19
1	DJI_20250516133505_0069_V.JPG	3369	2057	21
1	DJI_20250516133454_0056_V.JPG	790	1229	19
1	DJI_20250516133604_0140_V.JPG	3016	2701	21
1	DJI_20250516133711_0221_V.JPG	5070	2578	17
1	DJI_20250516133608_0145_V.JPG	1024	2850	19
1	DJI_20250516133504_0067_V.JPG	3346	1230	21
1	DJI_20250516133457_0059_V.JPG	824	2456	19
1	DJI_20250516133601_0137_V.JPG	2980	1467	21
1	DJI_20250516133614_0152_V.JPG	1176	3225	19
1	DJI_20250516133456_0058_V.JPG	807	2044	19
1	DJI_20250516133605_0142_V.JPG	2511	3386	19
1	DJI_20250516133612_0150_V.JPG	1157	2410	21
1	DJI_20250516133613_0151_V.JPG	1162	2818	19
1	DJI_20250516133610_0148_V.JPG	1159	1580	19
1	DJI_20250516133602_0138_V.JPG	2991	1883	21
1	DJI_20250516133454_0055_V.JPG	789	828	19
1	DJI_20250516133606_0143_V.JPG	1546	3162	19
1	DJI_20250516133506_0070_V.JPG	3380	2488	21
1	DJI_20250516133458_0060_V.JPG	853	2861	19
1	DJI_20250516133500_0063_V.JPG	1062	937	19
1	DJI_20250516133609_0146_V.JPG	892	1733	19

1	DJI_20250516133459_0061_V.JPG	923	3175	19
1	DJI_20250516133607_0144_V.JPG	1291	3104	19
1	DJI_20250516133501_0064_V.JPG	1260	995	19
1	DJI_20250516133603_0139_V.JPG	3005	2290	21
1	DJI_20250516133504_0068_V.JPG	3360	1615	21
1	DJI_20250516133610_0147_V.JPG	1151	1281	19
1	DJI_20250516133706_0216_V.JPG	5028	628	17
1	DJI_20250516133605_0141_V.JPG	3081	3072	21
1	DJI_20250516133455_0057_V.JPG	796	1634	19
1	DJI_20250516133459_0062_V.JPG	600	2060	19
1	DJI_20250516133707_0217_V.JPG	5054	1010	17
1	DJI_20250516133502_0065_V.JPG	1906	699	19
2	DJI_20250516133611_0149_V.JPG	4198	2998	19
2	DJI_20250516133716_0227_V.JPG	2150	2302	21
2	DJI_20250516133819_0304_V.JPG	4327	1892	19
2	DJI_20250516133712_0223_V.JPG	2218	2063	21
2	DJI_20250516133717_0229_V.JPG	2016	2496	21
2	DJI_20250516133711_0221_V.JPG	2129	1552	21
2	DJI_20250516133711_0222_V.JPG	2163	1945	21
2	DJI_20250516133817_0302_V.JPG	4313	1099	19
2	DJI_20250516133608_0145_V.JPG	2963	309	19
2	DJI_20250516133713_0224_V.JPG	2293	2025	21
2	DJI_20250516133605_0142_V.JPG	396	1048	17
2	DJI_20250516133612_0150_V.JPG	4183	3393	19
2	DJI_20250516133613_0151_V.JPG	4162	3772	19
2	DJI_20250516133715_0226_V.JPG	2304	2369	21
2	DJI_20250516133610_0148_V.JPG	4216	2575	19
2	DJI_20250516133818_0303_V.JPG	4317	1498	19
2	DJI_20250516133714_0225_V.JPG	2301	2147	21
2	DJI_20250516133820_0305_V.JPG	4340	2516	19
2	DJI_20250516133816_0301_V.JPG	4302	695	19
2	DJI_20250516133609_0146_V.JPG	4059	1254	19
2	DJI_20250516133823_0309_V.JPG	622	3703	17
2	DJI_20250516133610_0147_V.JPG	4232	2191	19
2	DJI_20250516133716_0228_V.JPG	2043	2214	21
2	DJI_20250516133821_0306_V.JPG	3752	3702	19
3	DJI_20250516133927_0387_V.JPG	471	2978	19
3	DJI_20250516134100_0499_V.JPG	1413	2641	21
3	DJI_20250516134039_0474_V.JPG	2655	2109	21
3	DJI_20250516134042_0478_V.JPG	2620	3761	19

3	DJI_20250516133942_0405_V.JPG	3663	2597	21
3	DJI_20250516133928_0388_V.JPG	482	3389	19
3	DJI_20250516134157_0568_V.JPG	4804	1748	19
3	DJI_20250516133925_0384_V.JPG	478	1770	19
3	DJI_20250516134200_0572_V.JPG	4749	3341	19
3	DJI_20250516133924_0383_V.JPG	493	1360	19
3	DJI_20250516133939_0401_V.JPG	3706	925	21
3	DJI_20250516133941_0403_V.JPG	3691	1755	21
3	DJI_20250516134057_0496_V.JPG	1439	1375	21
3	DJI_20250516133940_0402_V.JPG	3698	1335	21
3	DJI_20250516134042_0477_V.JPG	2628	3364	19
3	DJI_20250516134037_0472_V.JPG	2671	1264	21
3	DJI_20250516134056_0494_V.JPG	1475	551	19
3	DJI_20250516134055_0493_V.JPG	1498	161	19
3	DJI_20250516134157_0569_V.JPG	4802	2150	19
3	DJI_20250516134158_0570_V.JPG	4794	2559	19
3	DJI_20250516134101_0500_V.JPG	1415	3056	19
3	DJI_20250516133941_0404_V.JPG	3680	2175	21
3	DJI_20250516133923_0382_V.JPG	514	956	19
3	DJI_20250516134056_0495_V.JPG	1455	954	21
3	DJI_20250516134155_0566_V.JPG	4801	949	19
3	DJI_20250516134041_0476_V.JPG	2638	2952	21
3	DJI_20250516134159_0571_V.JPG	4773	2957	19
3	DJI_20250516133926_0385_V.JPG	467	2175	19
3	DJI_20250516134154_0565_V.JPG	4787	567	19
3	DJI_20250516134038_0473_V.JPG	2664	1681	21
3	DJI_20250516134040_0475_V.JPG	2645	2529	21
3	DJI_20250516133943_0406_V.JPG	3642	3021	21
3	DJI_20250516134156_0567_V.JPG	4806	1347	19
3	DJI_20250516133938_0400_V.JPG	3706	514	21
3	DJI_20250516133922_0381_V.JPG	541	576	19
3	DJI_20250516133927_0386_V.JPG	467	2589	19
3	DJI_20250516134058_0497_V.JPG	1426	1801	21
3	DJI_20250516134059_0498_V.JPG	1416	2216	21
3	DJI_20250516134201_0573_V.JPG	4716	3716	17
4	DJI_20250516133859_0352_V.JPG	761	624	17
4	DJI_20250516134134_0540_V.JPG	4460	2793	19
4	DJI_20250516133901_0355_V.JPG	371	2416	17
4	DJI_20250516134016_0446_V.JPG	2373	3139	19
4	DJI_20250516134015_0445_V.JPG	2385	2749	19

4	DJI_20250516134134_0541_V.JPG	4443	3162	19
4	DJI_20250516133903_0357_V.JPG	383	3176	17
4	DJI_20250516134004_0431_V.JPG	3918	758	19
4	DJI_20250516134004_0432_V.JPG	3916	1138	19
4	DJI_20250516134133_0539_V.JPG	4476	2411	19
4	DJI_20250516133904_0358_V.JPG	397	3528	17
4	DJI_20250516134135_0542_V.JPG	4415	3531	17
4	DJI_20250516134017_0447_V.JPG	2363	3525	19
4	DJI_20250516134121_0525_V.JPG	1810	758	19
4	DJI_20250516134120_0524_V.JPG	1826	377	19
4	DJI_20250516133902_0356_V.JPG	374	2801	17
4	DJI_20250516133859_0353_V.JPG	387	1627	17
5	DJI_20250516133752_0271_V.JPG	3612	2156	19
5	DJI_20250516133740_0257_V.JPG	2675	294	19
5	DJI_20250516133640_0184_V.JPG	3717	601	19
5	DJI_20250516133753_0272_V.JPG	3608	2548	19
5	DJI_20250516133641_0185_V.JPG	3488	721	19
5	DJI_20250516133753_0273_V.JPG	3601	2927	19
5	DJI_20250516133742_0259_V.JPG	2670	1061	19
5	DJI_20250516133854_0346_V.JPG	612	2515	17
5	DJI_20250516133851_0343_V.JPG	635	1365	17
5	DJI_20250516133849_0341_V.JPG	668	620	17
5	DJI_20250516133642_0186_V.JPG	2392	694	19
5	DJI_20250516133638_0182_V.JPG	4663	2375	17
5	DJI_20250516133850_0342_V.JPG	652	989	17
5	DJI_20250516133745_0263_V.JPG	2637	2607	19
5	DJI_20250516133644_0189_V.JPG	1532	2219	19
5	DJI_20250516133634_0177_V.JPG	4644	806	17
5	DJI_20250516133849_0340_V.JPG	694	262	17
5	DJI_20250516133750_0269_V.JPG	3648	1511	19
5	DJI_20250516133746_0264_V.JPG	2760	2880	19
5	DJI_20250516133852_0344_V.JPG	624	1746	17
5	DJI_20250516133744_0262_V.JPG	2660	2230	19
5	DJI_20250516133646_0191_V.JPG	1541	2997	19
5	DJI_20250516133639_0183_V.JPG	4439	1222	19
5	DJI_20250516133643_0187_V.JPG	1590	1434	19
5	DJI_20250516133638_0181_V.JPG	4666	2311	17
5	DJI_20250516133853_0345_V.JPG	616	2132	17
5	DJI_20250516133741_0258_V.JPG	2670	671	19
5	DJI_20250516133749_0268_V.JPG	3892	1943	19

5	DJI_20250516133743_0260_V.JPG	2668	1444	19
5	DJI_20250516133645_0190_V.JPG	1535	2621	19
5	DJI_20250516133755_0275_V.JPG	3573	3671	17
5	DJI_20250516133854_0347_V.JPG	577	2848	17
5	DJI_20250516133754_0274_V.JPG	3590	3305	19
5	DJI_20250516133647_0193_V.JPG	1557	3732	17
5	DJI_20250516133751_0270_V.JPG	3617	1759	19
5	DJI_20250516133636_0179_V.JPG	4674	1552	17
5	DJI_20250516133633_0176_V.JPG	4622	458	17
5	DJI_20250516133637_0180_V.JPG	4680	1928	17
5	DJI_20250516133635_0178_V.JPG	4662	1177	17
5	DJI_20250516133744_0261_V.JPG	2665	1836	19
5	DJI_20250516133643_0188_V.JPG	1534	1820	19
5	DJI_20250516133647_0192_V.JPG	1547	3370	19
6	DJI_20250516133527_0095_V.JPG	2374	709	19
6	DJI_20250516133433_0030_V.JPG	1762	2608	19
6	DJI_20250516133526_0094_V.JPG	2364	327	19
6	DJI_20250516133436_0033_V.JPG	1806	3733	17
6	DJI_20250516133530_0099_V.JPG	2422	2273	19
6	DJI_20250516133529_0098_V.JPG	2408	1879	19
6	DJI_20250516133542_0113_V.JPG	3856	3598	17
6	DJI_20250516133422_0017_V.JPG	4489	1061	17
6	DJI_20250516133633_0175_V.JPG	411	682	17
6	DJI_20250516133540_0111_V.JPG	3865	2863	19
6	DJI_20250516133538_0109_V.JPG	3855	2110	19
6	DJI_20250516133537_0108_V.JPG	3847	1700	19
6	DJI_20250516133431_0028_V.JPG	1743	1800	19
6	DJI_20250516133634_0177_V.JPG	393	1411	17
6	DJI_20250516133421_0015_V.JPG	4452	328	17
6	DJI_20250516133434_0031_V.JPG	1773	2991	19
6	DJI_20250516133423_0018_V.JPG	4502	1432	17
6	DJI_20250516133638_0181_V.JPG	408	2930	17
6	DJI_20250516133422_0016_V.JPG	4471	691	17
6	DJI_20250516133432_0029_V.JPG	1750	2215	19
6	DJI_20250516133528_0097_V.JPG	2397	1486	19
6	DJI_20250516133636_0179_V.JPG	397	2176	17
6	DJI_20250516133633_0176_V.JPG	400	1045	17
6	DJI_20250516133637_0180_V.JPG	404	2551	17
6	DJI_20250516133541_0112_V.JPG	3862	3240	19
6	DJI_20250516133635_0178_V.JPG	390	1795	17

6	DJI_20250516133539_0110_V.JPG	3863	2489	19
6	DJI_20250516133527_0096_V.JPG	2386	1090	19
6	DJI_20250516133435_0032_V.JPG	1788	3373	19
7	DJI_20250516133411_0003_V.JPG	4688	1317	17
7	DJI_20250516133625_0166_V.JPG	568	2638	17
7	DJI_20250516133551_0125_V.JPG	3653	2775	19
7	DJI_20250516133518_0084_V.JPG	2600	1942	19
7	DJI_20250516133410_0002_V.JPG	4690	1240	17
7	DJI_20250516133626_0167_V.JPG	583	3021	17
7	DJI_20250516133623_0163_V.JPG	555	1510	17
7	DJI_20250516133515_0081_V.JPG	2572	763	19
7	DJI_20250516133417_0010_V.JPG	4628	3725	17
7	DJI_20250516133552_0126_V.JPG	3656	3155	19
7	DJI_20250516133445_0045_V.JPG	1594	2904	19
7	DJI_20250516133416_0009_V.JPG	4651	3377	17
7	DJI_20250516133440_0038_V.JPG	1553	224	17
7	DJI_20250516133414_0007_V.JPG	4683	2662	17
7	DJI_20250516133549_0122_V.JPG	3639	1608	19
7	DJI_20250516133409_0001_V.JPG	4702	1275	17
7	DJI_20250516133620_0160_V.JPG	601	392	17
7	DJI_20250516133624_0164_V.JPG	552	1882	17
7	DJI_20250516133415_0008_V.JPG	4671	3022	17
7	DJI_20250516133547_0120_V.JPG	3622	845	19
7	DJI_20250516133550_0123_V.JPG	3644	1997	19
7	DJI_20250516133546_0118_V.JPG	3594	120	17
7	DJI_20250516133621_0161_V.JPG	581	758	17
7	DJI_20250516133553_0127_V.JPG	3655	3522	19
7	DJI_20250516133413_0006_V.JPG	4687	2288	17
7	DJI_20250516133516_0082_V.JPG	2579	1160	19
7	DJI_20250516133514_0080_V.JPG	2566	391	19
7	DJI_20250516133548_0121_V.JPG	3633	1229	19
7	DJI_20250516133412_0005_V.JPG	4691	1877	17
7	DJI_20250516133441_0040_V.JPG	1548	963	19
7	DJI_20250516133447_0047_V.JPG	1633	3658	17
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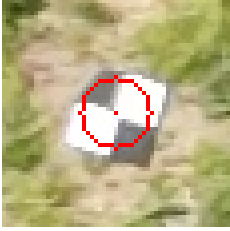
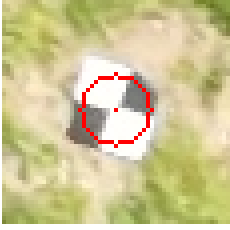
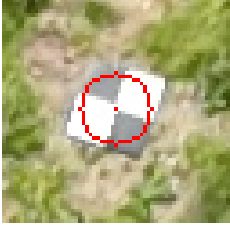
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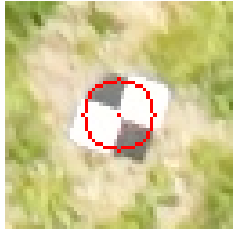
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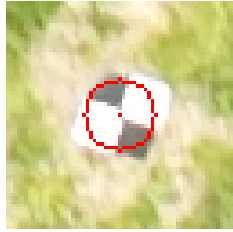
# Visualization

## GCP 1

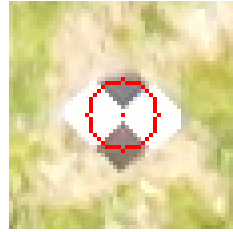
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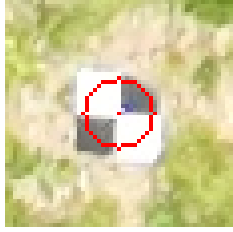
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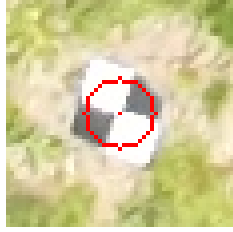
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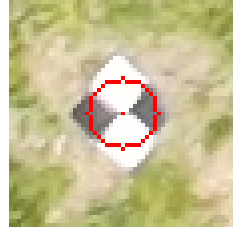
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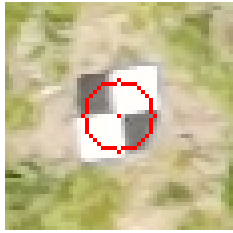
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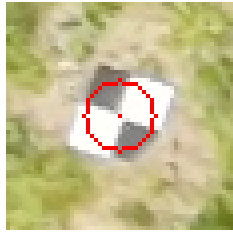
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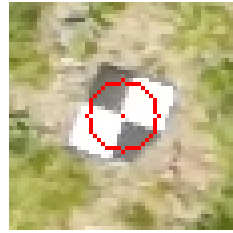
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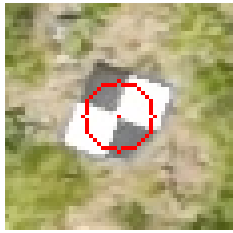
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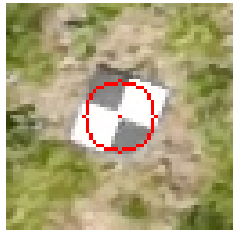
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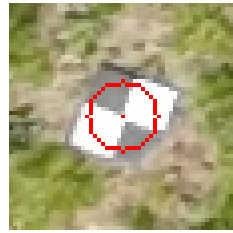
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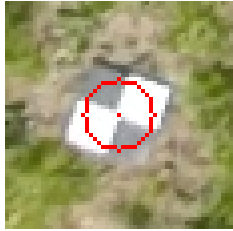
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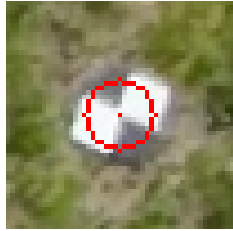
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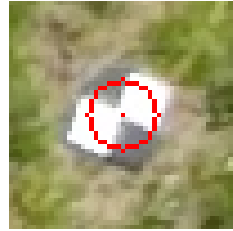
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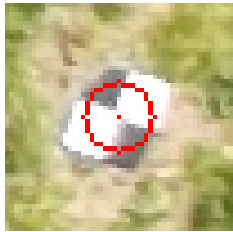
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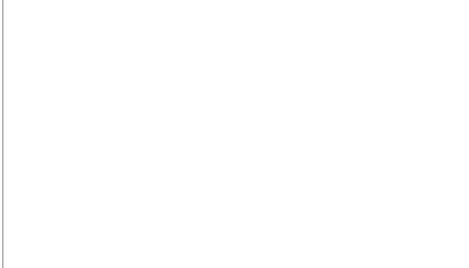
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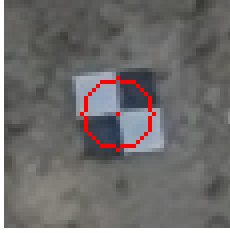
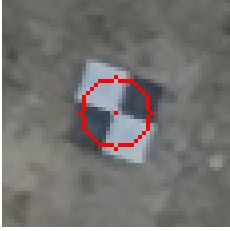
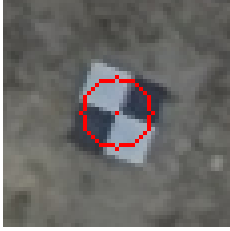
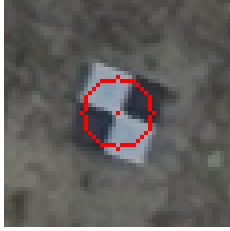
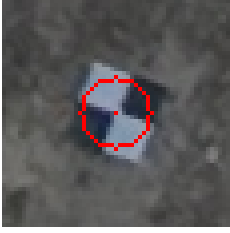
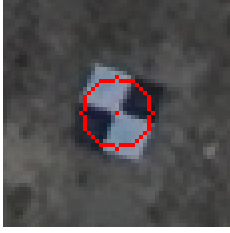
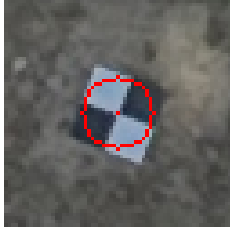
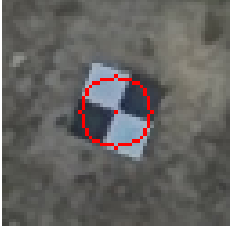
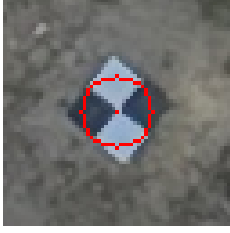
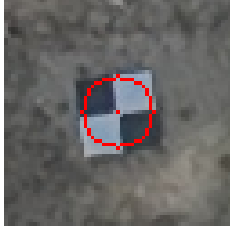


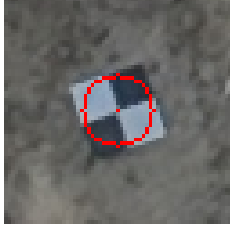
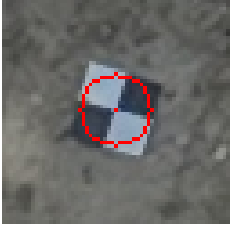


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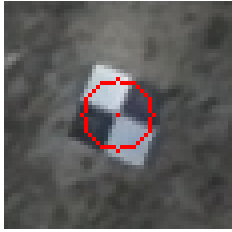


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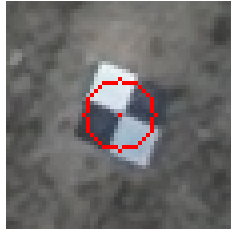


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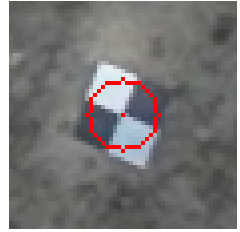
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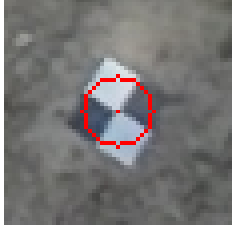
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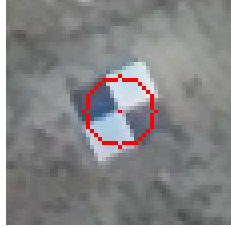
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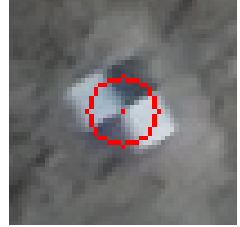
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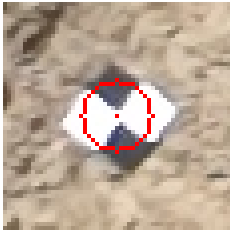

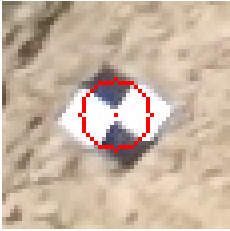

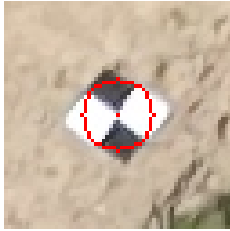



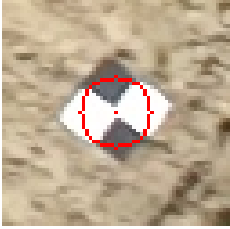
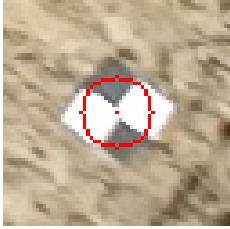
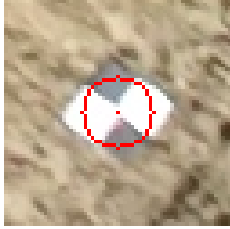
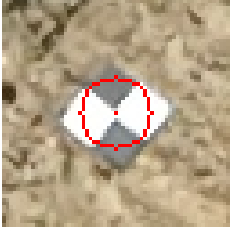
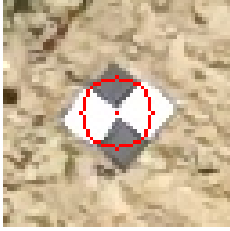



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**GCP 3**

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 <p>DJI_20250516133925_0384_V</p>	 <p>DJI_20250516133926_0385_V</p>	 <p>DJI_20250516133927_0386_V</p>
 <p>DJI_20250516133927_0387_V</p>	 <p>DJI_20250516133928_0388_V</p>	 <p>DJI_20250516133938_0400_V</p>
 <p>DJI_20250516133939_0401_V</p>	 <p>DJI_20250516133940_0402_V</p>	 <p>DJI_20250516133941_0403_V</p>
 <p>DJI_20250516133941_0404_V</p>	 <p>DJI_20250516133942_0405_V</p>	 <p>DJI_20250516133943_0406_V</p>
 <p>DJI_20250516134037_0472_V</p>	 <p>DJI_20250516134038_0473_V</p>	 <p>DJI_20250516134039_0474_V</p>



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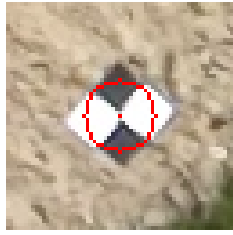
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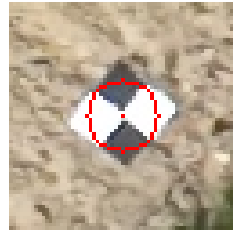
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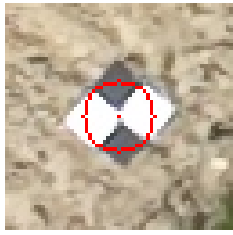
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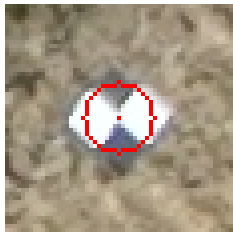
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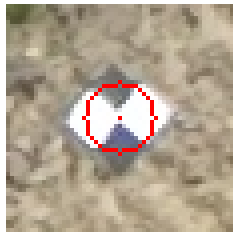
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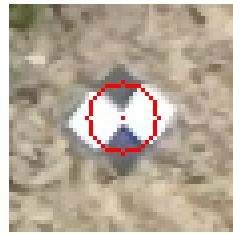
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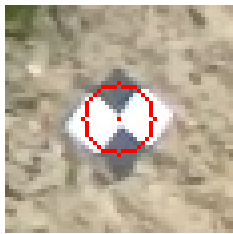
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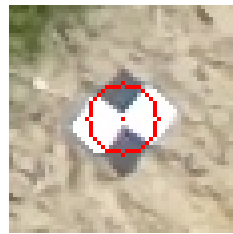
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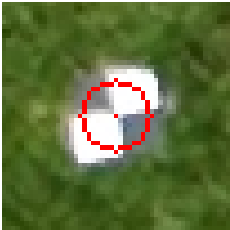
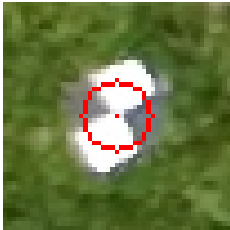
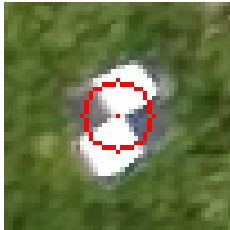
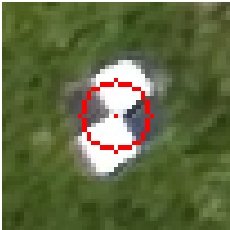
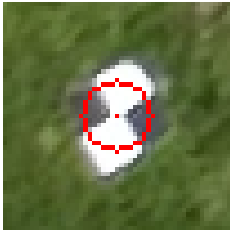
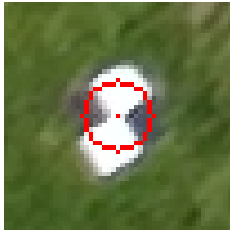
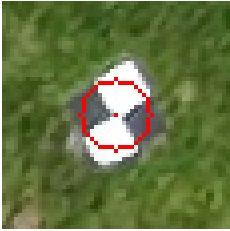
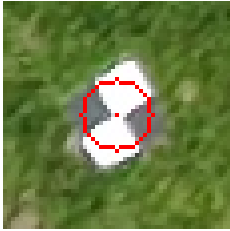
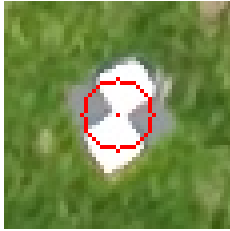
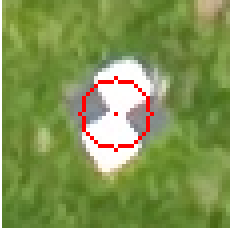
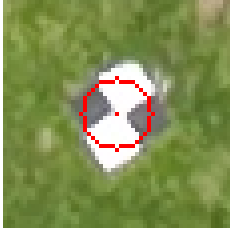
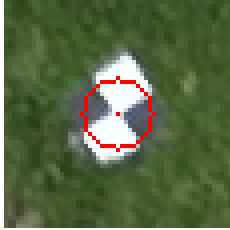
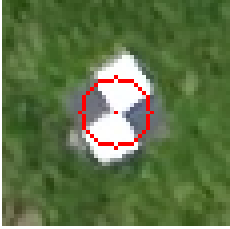
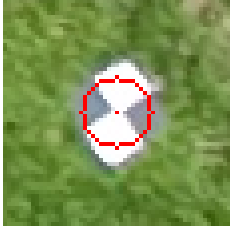
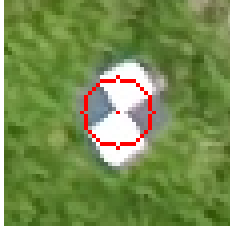
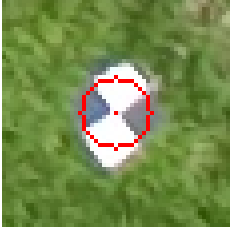
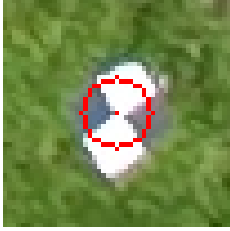


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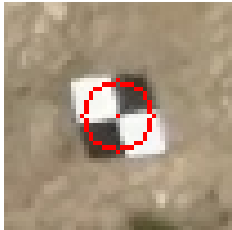
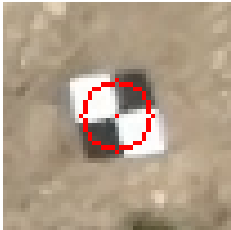
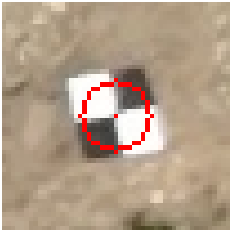
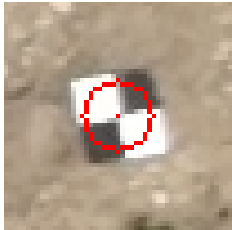
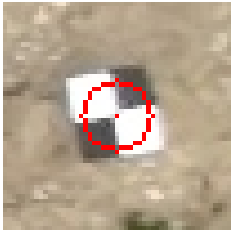
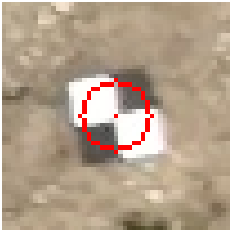
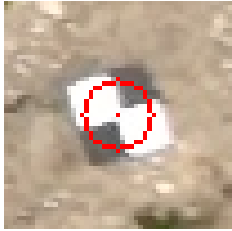
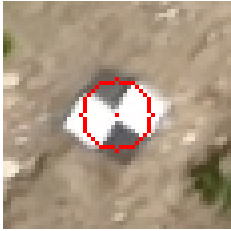
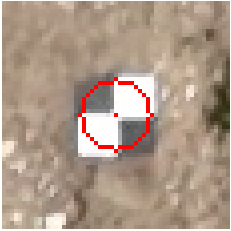
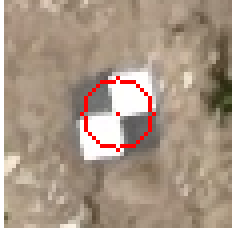
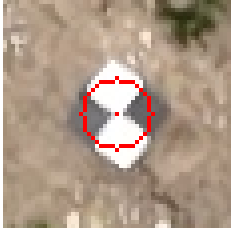
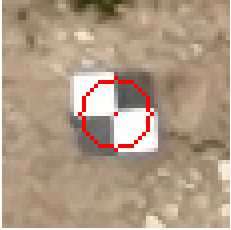
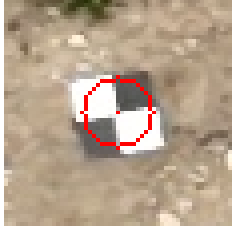
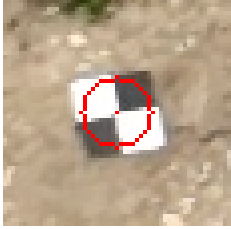

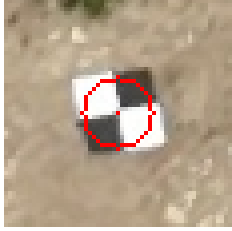

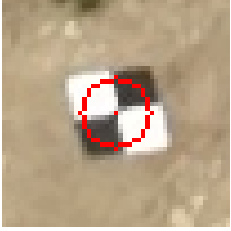


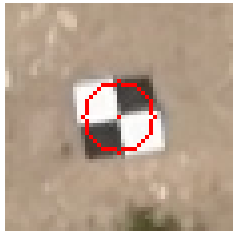
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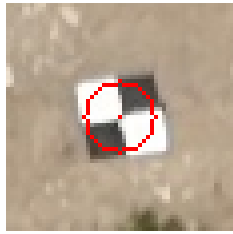
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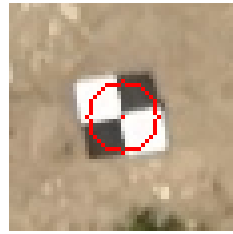
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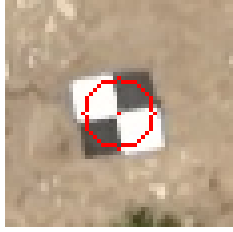
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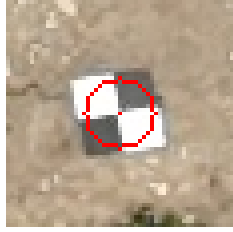
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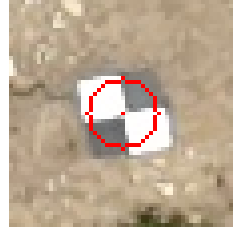
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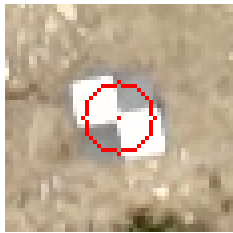
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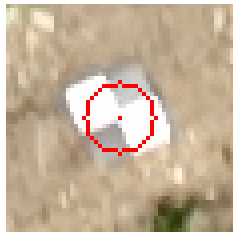
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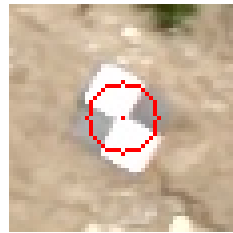
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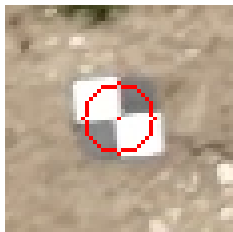
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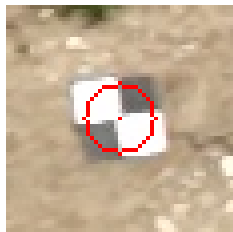
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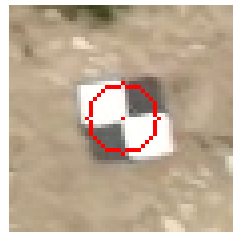
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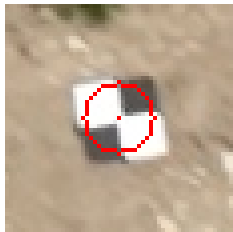
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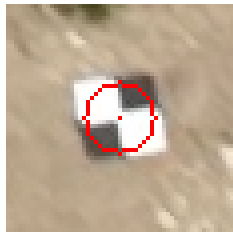
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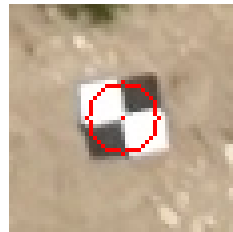
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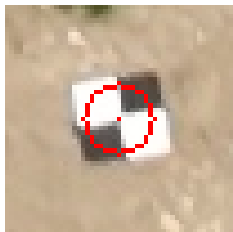
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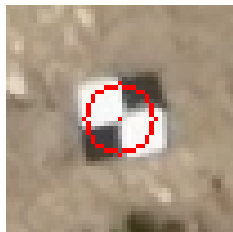
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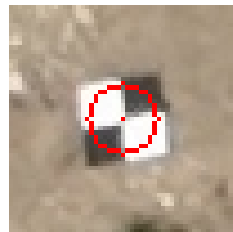
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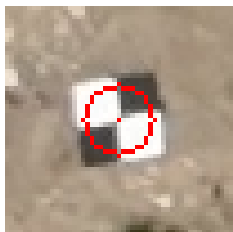
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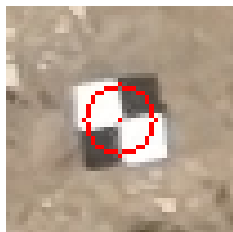
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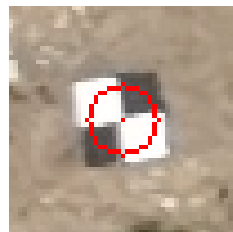
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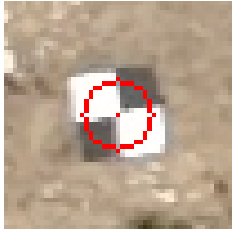
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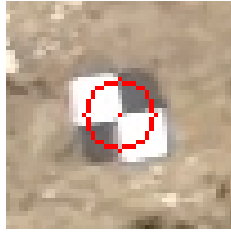
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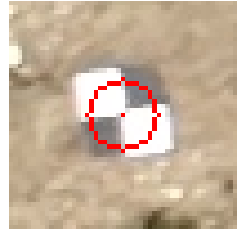
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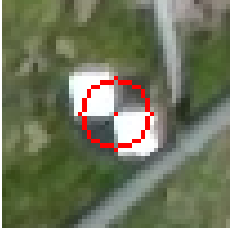
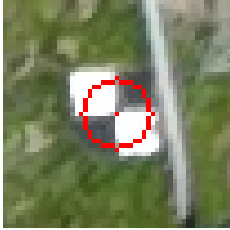
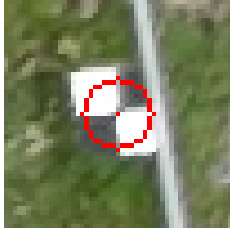
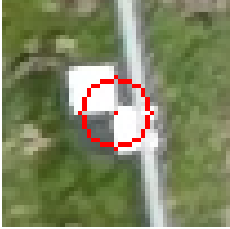
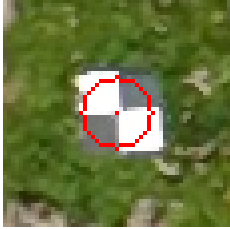
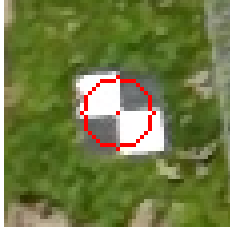
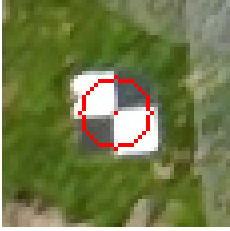
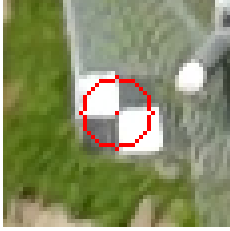
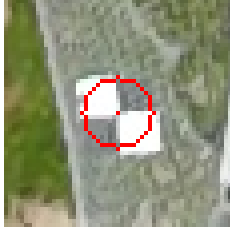
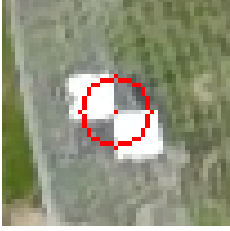
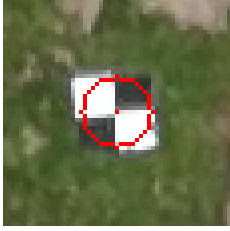
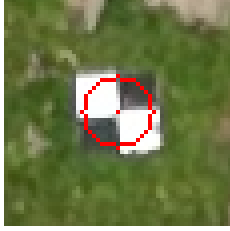
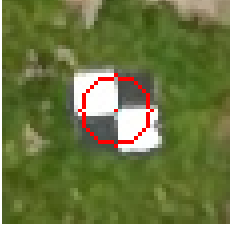
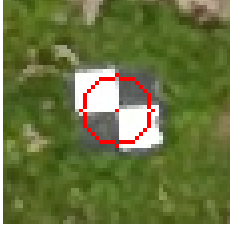
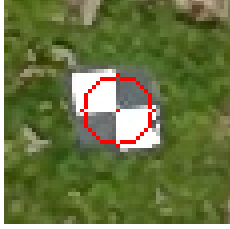
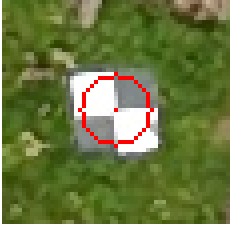
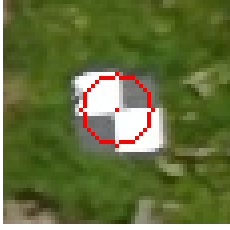
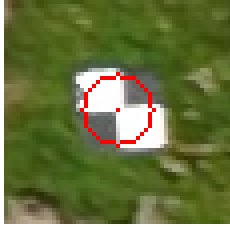


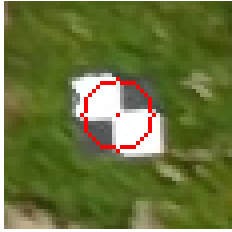
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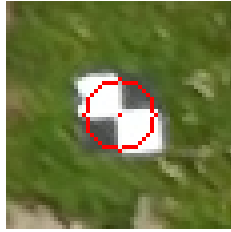
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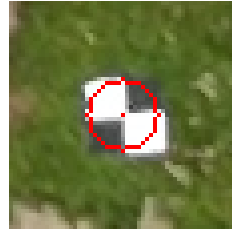
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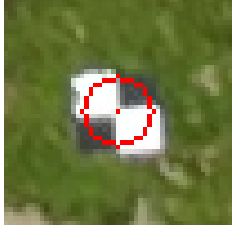
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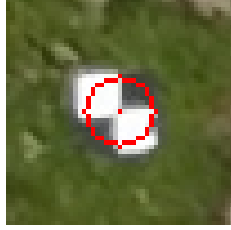
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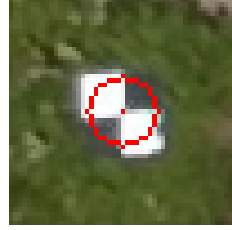
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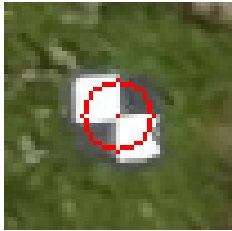
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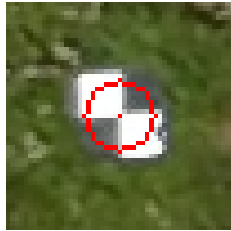
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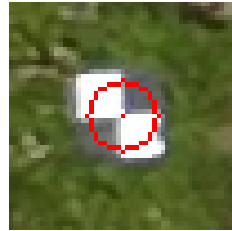
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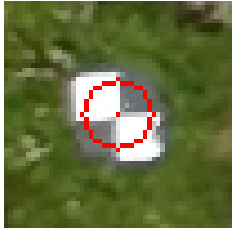
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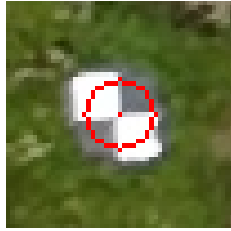
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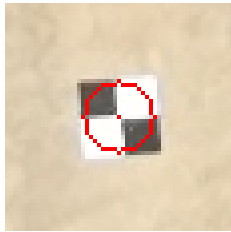


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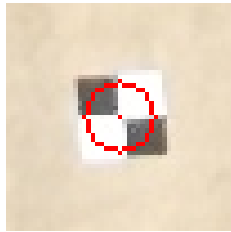


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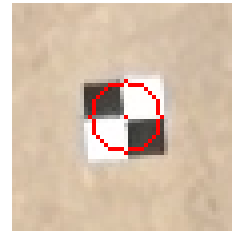
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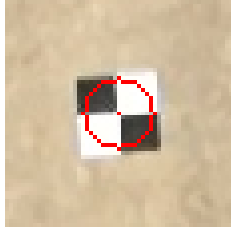
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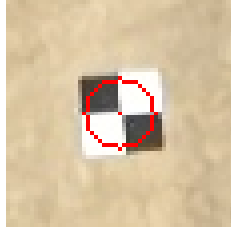
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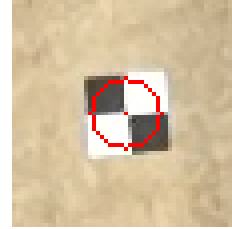
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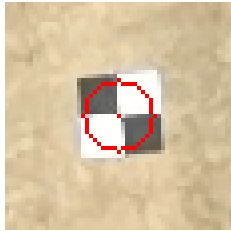
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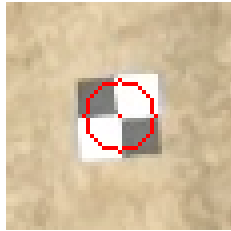
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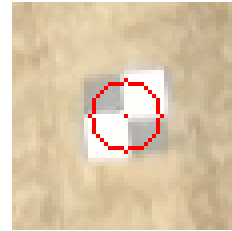
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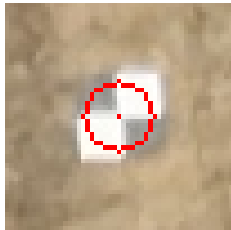
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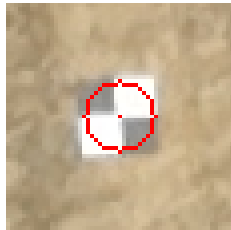
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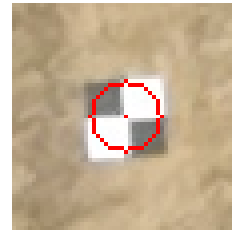
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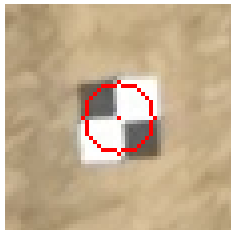
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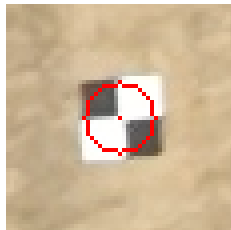
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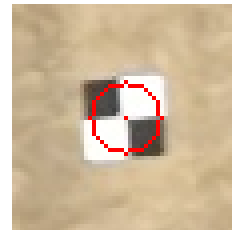
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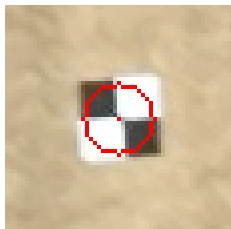
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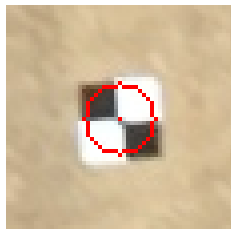
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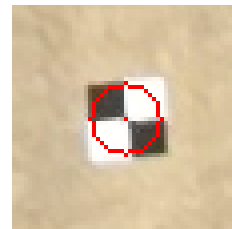
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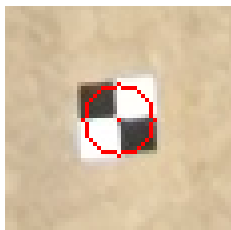
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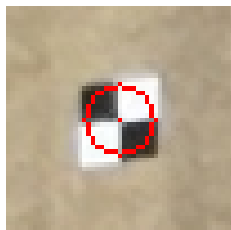
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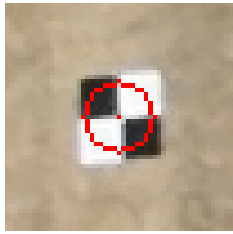
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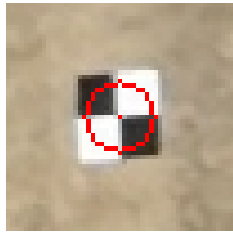
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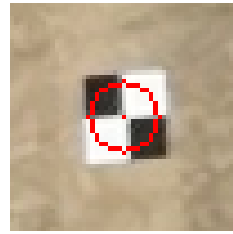
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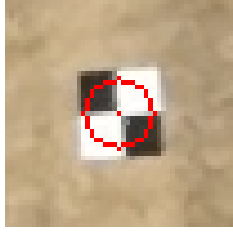
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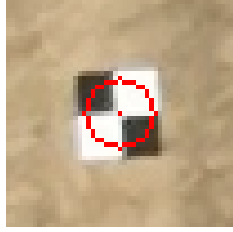
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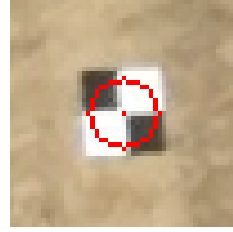
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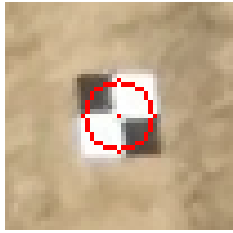
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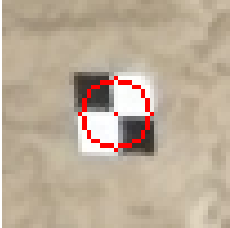
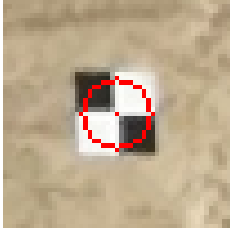
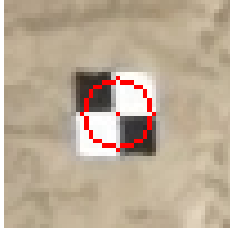
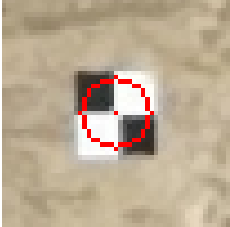
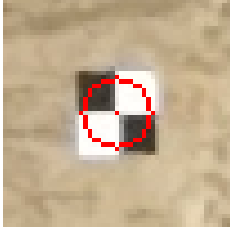
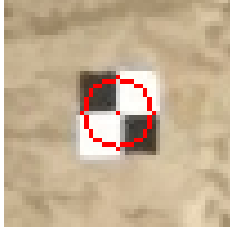
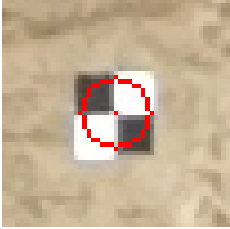
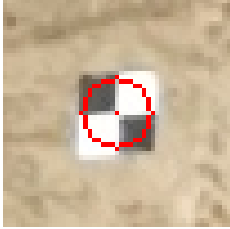
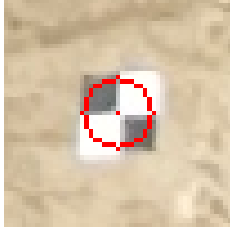
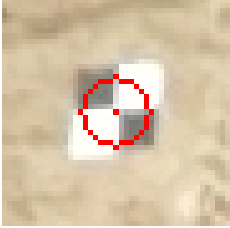
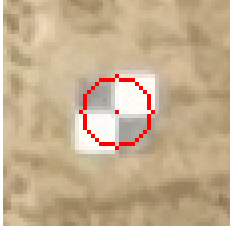
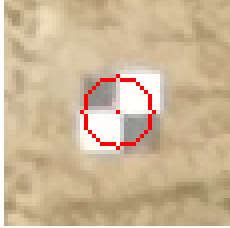
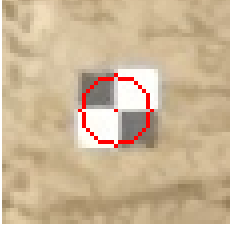
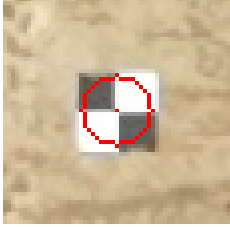
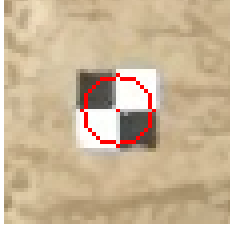
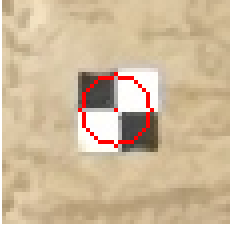
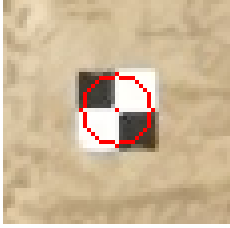
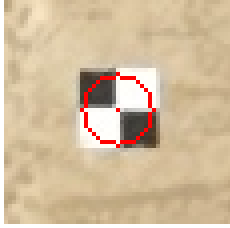


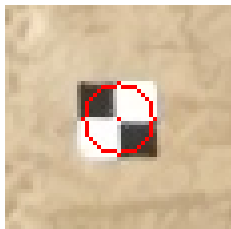
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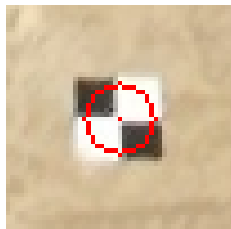
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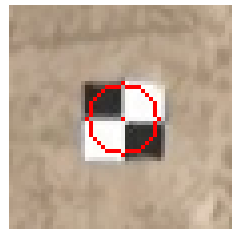
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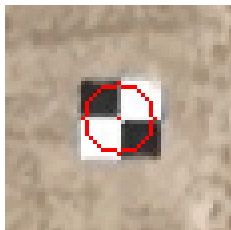
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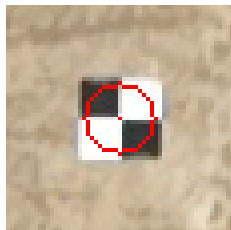
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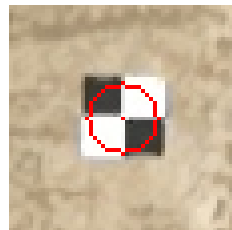
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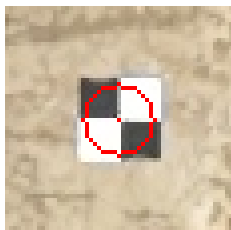
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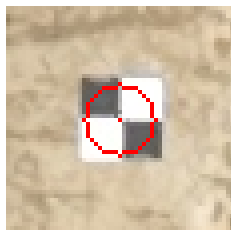
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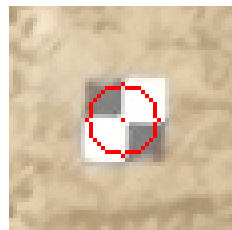
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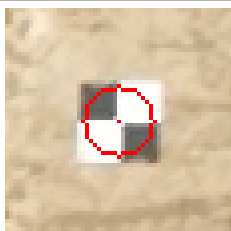
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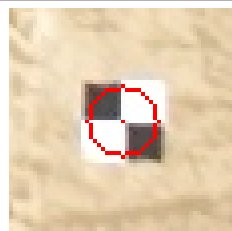
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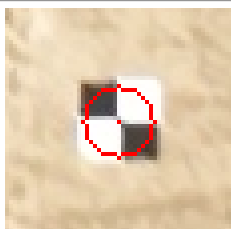
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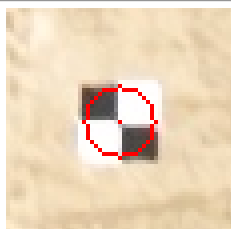
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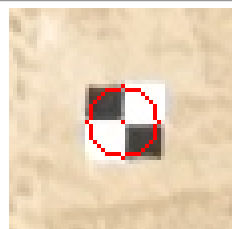
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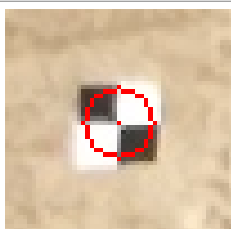
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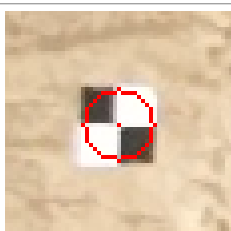
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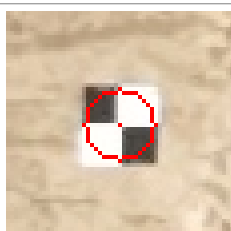
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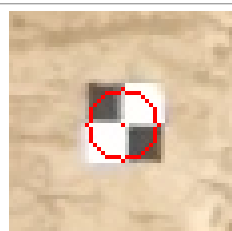
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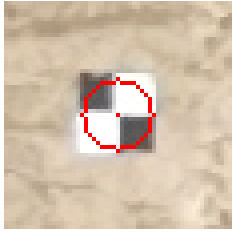
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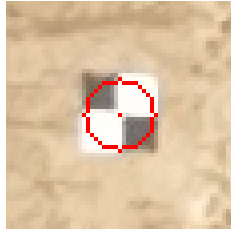
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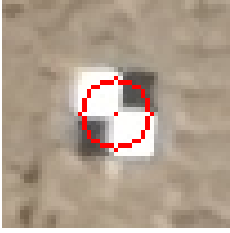
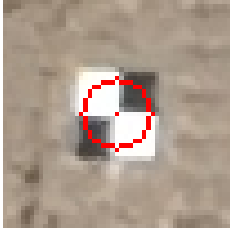
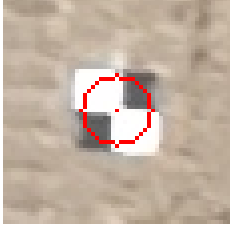
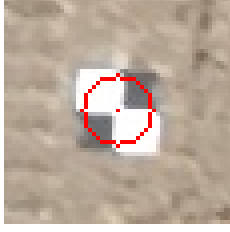


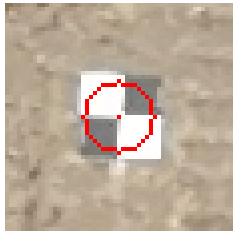
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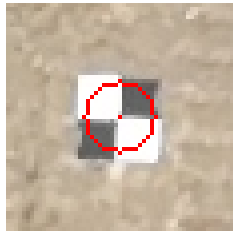
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**GCP 9**

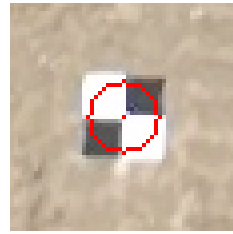
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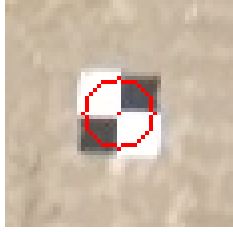
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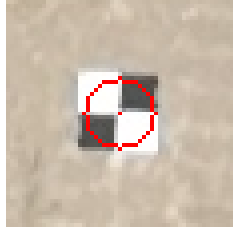
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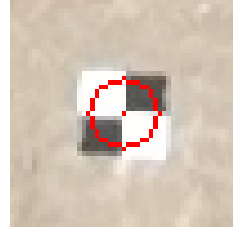
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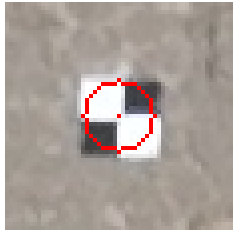
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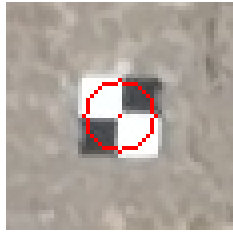
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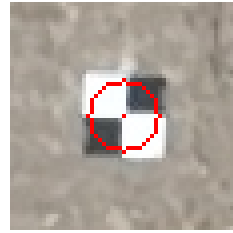
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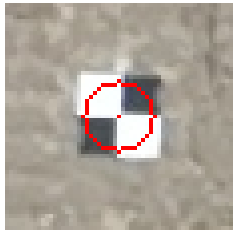
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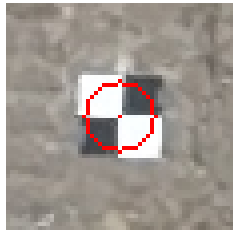
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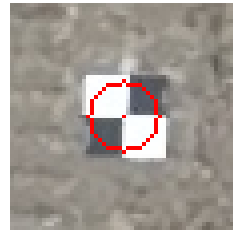
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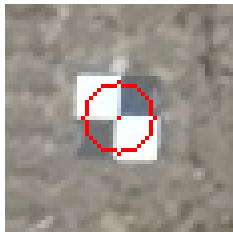
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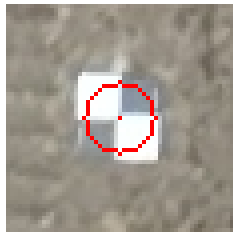
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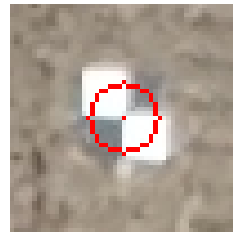
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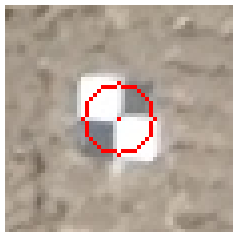
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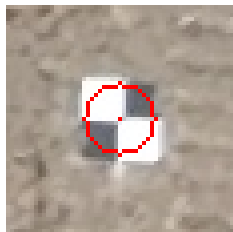
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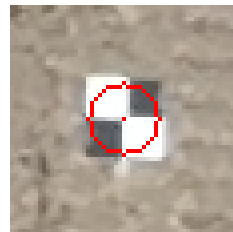
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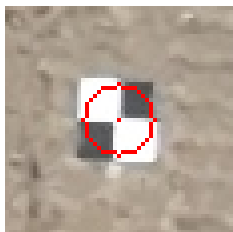
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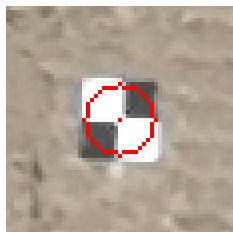
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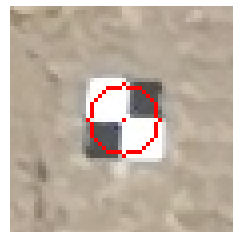
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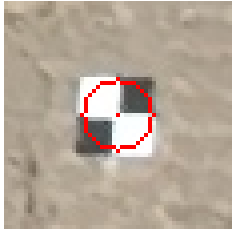
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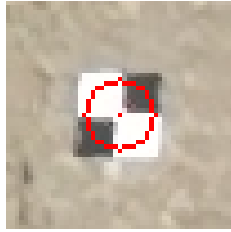
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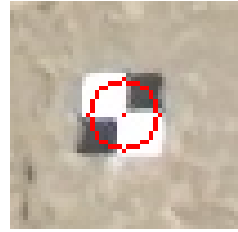
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