	MegaDepth											ScanNet									Plana	ar .											IM	C PhotoTo	urism													
Pipeline	Filtered	Precision	Recall	AUC ^F ₆₅	AUC_{010}^F	$\mathrm{AUC}_{0:20}^F$	AUC_{\angle}^F	AUC_{05}^{E}	AUC_{010}^E	AUC ^E	auc ^E	Filtere	d Precisio	n Recall	AUC ^F	AUC_{010}^F	AUC_{020}^F	$\mathrm{AUC}_{\mathbb{Z}}^F$	AUC_{05}^{E}	AUCE 010	AUC_{02}^E	0 AUCZ	Filtere	d Precisio	on Recall	AUC#	AUC#10	AUC_{015}^{H}	AUC_{\square}^{H}	Filtered	Precision	n Recall	AUC ^F ₆₅	AUC_{010}^F	$\mathrm{AUC}^F_{0:20}$	AUC_{\angle}^F	AUC_{05}^{E}	AUC_{010}^{E}	AUC_{020}^E	$\mathrm{AUC}_{\mathbb{Z}}^{E}$	AUC ^F _{0(5,)}	$AUC_{0(10.}^F$	$_{1)}AUC_{6(20)}^{F}$	AUC^F_□	$AUC_{0(5,\frac{1}{2})}^{E}$	$AUC_{0(10,1)}^{E}$	$_{)}$ AUC $_{0(20,2)}^{E}$	r) AUC ^E
DeDoDe v2 +MAGSAC _↑ +MAGSAC _↓	47.33		79.43 72.49	0.23 42.09 43.19		3.27 66.69 68.25	1.45 54.70 56.12	51.30 51.22 51.13	66.84 66.32 66.84	78.43 78.03 78.41	65.52 65.19 65.46	0.00 55.42 60.83	45.81 57.43 56.95	99.20 50.08 42.74	0.00 8.62 8.80	0.14 18.02 17.96	1.35 28.79 28.63	0.50 18.48 18.46	12.26 13.64 12.38	23.67 25.47 24.30	35.46 37.91 37.07	23.80 25.67 24.58	0.00 63.94 73.76	61.15 81.71 82.67	94.22 47.91 35.35	2.06 41.12 41.28	4.37 55.13 55.45	7.16 61.47 62.11	26.95 51.41 48.55	0.00 44.09 49.71	65.00 89.64 90.16	77.33 69.92	0.13 35.94 37.22	0.76 48.79 50.31	3.40 61.00 62.33	1.43 48.58 49.95	55.83 53.00 52.22	71.30 68.56 67.86	82.11 80.12 79.61	69.75 67.23 66.57	0.12 16.31 16.82	0.54 26.21 27.05	2.04 37.59 38.84	0.90 26.70 27.57	23.82 22.53 22.14	39.70 37.65 37.14	56.28 53.85 52.98	39.93 38.01 37.42
+MAGSAC _↓	36.27 49.19 53.54	94.44 94.95	83.77 71.22 65.44			41.73 68.00 68.19	26.57 53.89 54.19	45.86 44.29 44.84	62.92 62.72 62.84	76.37 76.55 76.46		50.15 64.63 68.48	55.36 58.01 57.87	56.91 39.69 34.39	1.46 5.85 6.08	5.17 14.28 14.24	13.64 25.56 25.70	6.76 15.23 15.34	10.64 10.36 10.21	21.90 21.35 21.29	35.14 34.25 34.23	22.56 21.99 21.91	42.86 69.64 77.33	72.71 80.53 81.00	69.10 40.75 30.81	22.56 36.20 36.24	35.07 50.80 50.97		42.09 46.35 43.98	41.83 53.27 57.32	88.89 94.17 94.61	80.26 68.12 62.43		21.15 51.71 52.39	39.39 66.16 66.79	23.27 51.49 52.12			79.25 78.82 78.61	65.59 64.96 64.89	2.98 14.51 14.69	7.31 24.99 25.31	15.23 37.92 38.43	8.50 25.80 26.14	18.30 18.40 18.27	33.18 32.84 32.61		33.92 33.65 33.50
+AdsLAM $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	41.97 47.33	68.13 92.08 92.72	79.43 72.49	0.23 42.09 43.19		3.27 66.69 68.25	1.45 54.70 56.12	51.30 51.22 51.13	66.84 66.32 66.84	78.43 78.03 78.41	65.52 65.19 65.46	0.00 55.42 60.83	45.81 57.43 56.95	99.20 50.08 42.74	0.00 8.62 8.80	0.14 18.02 17.96	1.35 28.79 28.63	0.50 18.48 18.46	12.26 13.64 12.38	23.67 25.47 24.30	35.46 37.91 37.07	23.80 25.67 24.58	0.00 63.94 73.76	61.15 81.71 82.57	94.23 47.91 35.35	2.06 41.12 41.28	4.37 55.13 55.45	61.47 62.11	26.95 51.41 48.55	0.00 44.09 49.71	65.00 89.64 90.16	77.33 69.92	0.13 35.94 37.22	0.76 48.79 50.31	3.40 61.00 62.33	1.43 48.58 49.95	55.83 53.00 52.22	71.30 68.56 67.86	82.11 80.12 79.61	69.75 67.23 66.57	0.12 16.31 16.82	0.54 26.21 27.05	2.04 37.59 38.84	0.90 26.70 27.57	23.82 22.53 22.14	39.70 37.65 37.14	56.28 53.85 52.98	39.93 38.01 37.42
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	28.94 44.82 49.51	94.39 94.06	91.15 76.46 70.37	15.64 48.93 49.65	26.15 62.43 63.26	39.36 73.52 74.34	27.05 61.62 62.45	49.80 50.58 49.04	65.81 66.25 65.15	77.89 78.12 77.65	64.50 64.99 63.95	31.95 58.93 63.58	51.89 56.31 55.80	74.22 45.47 39.06	7.52 7.38	1.18 15.40 15.21	4.55 25.14 25.17	1.99 16.02 15.92	10.66 10.83 11.26	21.80 22.07 21.60	33.40 34.06 33.41	21.95 22.32 22.09	15.48 63.88 73.53	70.75 82.26 82.68	91.78 48.52 35.89	29.24 41.64 41.57	41.98 55.56 54.67	48.11 62.20 61.50	52.78 51.98 48.41	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a	n/a n/a n/a
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	50.61 54.82	86.80 92.63 93.19	79.56 67.22 61.88	2.63 31.25 31.89	7:17 45:60 46:37	17.34 60.06 60.86	9.05 45.63 46.37	42.04 41.64 42.04	59.96 59.48 59.65	73.65 73.51 73.57	58.55 58.21 58.42	60.14 71.32 74.61	60.30 62.43 62.36	50.42 36.05 31.47	0.48 3.48 3.53	1.54 8.32 8.92	4.81 17.18 18.03	2.27 9.66 10.16	8.27 8.04 7.92	18.63 18.13 17.29	31.40 30.52 29.41	19.43 18.89 18.21	34.27 65.91 74.93		79.12 45.16 33.74	29.28 40.06 39.97	41.24 54.43 54.31	47.46 60.70 60.34	49.27 50.09 47.09	43.20 54.97 58.98	87.73 93.15 93.58	77.00 64.44 58.93	5.11 30.15 30.53	10.30 44.18 44.66	19.75 59.08 59.57	11.72 44.47 44.92	47.23 46.54 46.48	64.32 63.51 63.28	77.00 76.25 76.10	62.85 62.10 61.95	1.23 12.07 12.42	3.03 21.14 21.54	6.76 32.74 33.01	3.67 21.98 22.32	17.10 16.83 16.96	31.23 30.89 30.73	47.86 47.13 47.13	32.06 31.62 31.60
+ConvMatch +MAGSAC† +MAGSAC↓	74.50		50.05 42.96 39.55	14.70 25.91 26.28	24.35 37.31 37.81	37.05 49.64 50.05	25.37 37.62 38.05	32.80 33.03 33.04	48.39 48.40 48.28	61.68 61.77 61.59	47.63 47.74 47.64	67.44 76.91 79.63	64.24 65.89 65.62	46.67 32.28 27.98	2.23 4.60 4.25	7.08 11.88 11.50	17.03 22.91 22.53	8.78 13.13 12.76	8.77 9.22 8.55	19.69 20.55 19.64	33.01 33.86 33.06	20.49 21.21 20.42	78.52 88.64 91.15	68.37 73.33 73.92	31.49 18.48 14.83	11.07 19.58 20.19	24.15 34.58 34.56		24.83 28.68 27.85	61.92 69.21 71.94	89.17 92.45 92.85	58.11 48.89 44.66	16.34 28.36 28.85	28.74 42.43 43.04	44.34 57.11 57.57	29.81 42.64 43.15	42.06 41.85 42.14	58.73 58.51 58.59	71.67 71.58 71.61	57.49 57.31 57.44	4.03 8.45 8.77	9.26 16.69 17.05	17.90 28.50 28.89	10.40 17.88 18.24	12.36 12.43 12.57	25.08 24.87 25.14	41.48 41.19 41.46	26.31 26.16 26.39
+DeMatch $+$ MAGSAC $_{\uparrow}$ $+$ MAGSAC $_{\downarrow}$	60.86 64.13		65.18 55.48 51.05	28.75	44.49	59.03	25.71 43.23 44.58	38.90 37.92 38.18	56.86 56.37 56.34	71.34 71.31 71.34	55.70 55.20 55.29	62.96 73.43 76.48		48.90 33.97 29.51	1.44 3.47 3.56	4.57 9.58 9.83	11:79 20:71 20:80	5.93 11.25 11.40	8.71 8.41 8.60	19.85 19.28 19.43	33.12 32.50 32.42	20.56 20.06 20.15	63.15 79.35 84.09	73.22 80.49 81.05	46.84 28.83 22.44	22.48 30.57 29.28	37.13 46.89 45.12		37.89 40.20 37.50	54.50 63.47 66.70	88.96 93.60 94.03	65.11 54.64 49.94	14.04 30.37 30.69	26.07 45.06 45.50	41.99 59.95 60.33		44.04	61.80	75.68 75.33 75.35	60.98 60.41 60.40	4.14 11.16 11.43	9.42 20.54 20.80	17.97 32.50 32.72	10.51 21.40 21.65	15.23 14.82 15.17	28.91 28.47 28.52	45.73 45.27 45.24	29.96 29.52 29.64
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	43.61		84.89 81.14 79.07		63.07 64.71	75.43	5.81 62.83 63.77	52.21	69.16 67.98 68.28	80.40 79.38 79.42	65.52 66.86	10.000	62.61		0.10 10.28 10.66	0.79 20.70 21.82	33.26		14.02 14.08	28.27 27.42 28.02	41.80	28.24 27.65 28.17	31.79 52.83 61.19	73.66 81.42 81.30	84.25 61.91 51.32		29.42 55.28 54.31	34.93 62.04 61.19	42.00 54.72 51.79	39.90 46.79 48.43	86.27 93.21 93.47	80.50 76.07 73.85	46.16	67.76	69.70 69.74	56.34 57.23	55.88 55.47	70.99 70.77	82.80 81.75 81.65	69.30	1.53 21.11 21.60	3.19 32.40 38.06	6.34 44.65 45.43	3.60 32.72 33.33	24.95 24.28 23.86	40.93 39.86 39.46	56.26 55.84	40.18 40.18 39.72
+GMS +MAGSAC† +MAGSAC↓	50.03 54.28	92.94	79.47 66.79 61.47	10.59 47.93 48.19		31.73 71.89 72.26	60.34 60.70	49.39 50.12 49.06	64.52 65.11 64.55	76.03 76.24 76.17	63.31 63.82 63.26	34.47 61.27 65.71	52.34 56.99 56.36	72.11 43.25 37.11	7.73 7.41	0.92 15.69 15.58	3.90 25.83 25.80	1.66 16.42 16.26	11.12 10.02 10.36	21.93 21.01 21.36	33.54 33.38 33.81	22.20 21.47 21.84	35.76 67.33 76.02	80.97	74.96 42.77 31.60	24.00 38.47 38.47	34.55 52.18 52.82		43.60 48.08 45.53	41.39 55.34 59.31	84.78 92.37 92.79	75.61 62.59 57.27	39.67	53.28 53.78	65.60 66.10	52.85 53.34	50.01	65.87	78.21 77.47 77.14	65.32 64.45 64.15	2.66 18.28 18.54	5.79 29.15 29.38	11.19 41.28 41.57	6.55 29.57 29.83	20.97 20.61 20.14	35.77 35.14 34.70	52.06 51.08 50.89	36.27 35.61 35.25
+MAGSAC _↓	79.49 81.11	91.85 92.37	37.19 31.19 28.85	0.17 30.24 30.56	0.59 44.13 44.84	3.01 58.20 59.14	1.26 44.19 44.85	31.81 30.71 31.38	47.82 46.46 47.21	62.60 60.82 62.11	47.41 46.00 46.90	70.63 81.00 82.61	54.46 57.11 56.63	34.68 21.56 18.89	0.00 2.09 2.50	0.08 5.94 6.30	0.60 13.19 13.09	7.08 7.30	4.79 5.01 4.64	11.44 10.99 10.87	20.69 20.00 19.70	12.31 12.00 11.74	77.04 88.92 91.34		16.02	0.00 20.75 19.80		0.00 45.84 43.94	6.84 30.00 27.83	71.35 78.81 80.56	80.62 88.87 89.25	38.93 32.30 29.69		0.31 34.75 35.80	2.09 48.27 49.29	0.81 35.14 36.13	33.15 32.71 32.49	49.63 48.97 48.53	63.99 63.09 62.82	48.92 48.26 47.95	0.03 6.71 7.09	0.17 13.31 14.08	0.97 23.12 24.21	0.39 14.38 15.12	9.42 9.49 9.30	19.96 19.69 19.54	34.40 33.93 33.80	21.26 21.04 20.88
$+MAGSAC_{\dagger}$ $+MAGSAC_{\downarrow}$	49.86 54.12	93.73 94.22	81.66 69.12 63.57	2.92 33.36 33.69	6.99 46.92 47.70	16.99 60.81 61.62	8.97 47.03 47.67	42.65 42.28 42.20	60.25 60.33 60.14	73.82 74.12 73.90	58.90 58.91 58.75	60.19 71.50 74.98	61.93 64.25 64.17	52.13 37.63 32.65	1.12 4.76 4.51	3.17 10.89 10.86	8.22 20.99 21.13	4.17 12.21 12.17	9.14 9.70	20.90 19.68 20.26	33.67 33.06 33.24	21.60 20.63 21.07	32.51 64.81 74.28	72.49 80.00 80.16	80.82 46.39 34.18	29.41 41.03 40.93	41.25 54.30 53.58	47.46 60.36 59.95	49.74 50.52 47.16	41.67 53.57 57.68	89.05 94.10 94.54	80.63 67.48 61.71	5.63 30.22 30.50	11.46 44.59 44.87	21.35 59.46 59.72	12.81 44.75 45.03	47.62 47.03 46.92	64.92 64.16 64.09	77.71 77.01 76.83	63.42 62.73 62.61	1.62 11.69 11.95	3.61 20.58 20.90	7.47 32.14 32.36	4.23 21.47 21.74	17.21 16.70 16.86	31.44 30.59 30.71	48.25 47.33 47.40	32.30 31.54 31.66
+MAGSAC _† +MAGSAC _↓	71.66 76.92 78.79	92.92 93.36	38.28 32.98 30.42	3.71 22.00 22.62	9.72 35.36 36.16		11.25 35.82 36.47	32.92 31.14 31.54	49.68 48.67 48.91	65.06 64.11 64.56	49.22 47.97 48.33	79.95 88.90 88.16	49.08 49.99 49.90	19.35 14.59 12.90	0.41 1.36 1.42	1.34 4.41 4.49	4.69 10.29 10.34	2.15 5.35 5.42	4.03 3.41 3.44	9.58 9.05 8.79	17.93 16.79 16.63	9.75 9.62	80.47 88.91 91.40	71.27 79.18 79.88		5.63 25.38 25.28	12.80 42.74 42.02	51.23	15.23 33.77 32.30	74.87 79.88 81.10	88.18 92.73 93.11	36.17 31.02 28.50	5.05 19.89 20.26	11.21 32.77 33.24	21.62 47.64 48.20	12.63 33.43 33.90	34.62 34.00 33.67	52.33 51.72 51.35	67.66 66.98 66.72	51.54 50.90 50.58	0.96 6.33 6.45	2.75 12.64 12.80	6.66 21.86 22.20	3.46 13.61 13.82	10.37 10.17 9.84	21.19 20.82 20.55	36.17 35.62 35.43	22.58 22.20 21.94
+MAGSAC _† +MAGSAC _↓	47.61	93.44 94.06	97.59 79.74 72.90	0.70 45.07 46.77	2:27 58:37 60:33	6.76 70.01 71.59	3.24 57.82 59.56	52.18 51.44 51.22	67.96 67.07 67.08	79.42 79.03 78.48	65.85 65.59	13.11 56.17 61.37	49.21 57.89 57.29	93.08 49.94 42.67	0.08 8.92 8.76	0.36 17.75 17.85	2.34 28.51 28.74	0.93 18.39 18.45	12.63 12.70 12.52	24.30 24.82 24.21	35.92 37.25 37.07	24.28 24.92 24.60	21.44 63.99 73.90	67.83 81.74 82.56	89.58 48.69 35.85	14.86 41.86 42.30	55.09		38.81 52.27 49.14	17.97 45.01 50.38	76.35 91.13 91.64	97.24 77.20 69.99	1.10 39.13 40.23	3.56 52.23 53.51	9.78 64.31 65.53	4.81 51.89 53.09	53.70 53.15		80.75 80.27	67.93 67.40	0.69 18.22 18.80	1.93 28.90 29.65	4.60 40.72 41.70	2.41 29.28 30.05	23.60 22.70 22.49	39.55 37.85 37.45	56.53 54.29 53.76	39.89 38.28 37.90
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	42.13 47.44	73.39 92.63 93.33	79.61 72.79	0.49 43.01 44.17	1.47 56.48 57.77	68.09	2.13 55.86 57.01	51.63 51.06	67.02 66.47	79.25 78.55 78.15	65.73 65.23	7.12 55.72 61.01	47.60 57.49 57.22	96.29 50.10 42.99	0.03 8.47 8.87	0.25 17.40 18.18	1.77 28.63 29.24	0.68 18.17 18.76	12.26 13.30 12.38	23.61 25.48 24.38	35.50 38.37 37.46	23.79 25.71 24.74	16.32 63.87 73.61	65.17 82.06 82.50	90.76 48.71 35.81	8.15 41.78 41.28	14.27 55.60 54.97		32.89 52.10 48.52	10.71 44.41 49.93	71.24 90.30 90.82	77.44 70.09	0.38 37.69 38.81	1.65 50.62 51.85	5.96 62.55 63.82	2.66 50.29 51.49			80.36 79.76	70.07 67.55 66.77	0.28 17.48 18.04	1.03 27.59 28.58	3.02 39.19 40.44	1.44 28.08 29.02	23.98 22.55 22.37	39.76 37.64 37.39	58.45 53.91 53.51	40.08 38.03 37.76
	44.22 47.70	70.48 93.50 94.09	95.46 77.88 73.43	0.46 39.73 41.24	1.43 53.91 55.47	4.39 66.35 67.90	2.09 53.33 54.87	52.24 50.47 50.18	67.96 66.60 66.74	79.50 78.81 79.17	65.29 65.36	7.12 54.59 58.65	46.70 57.63 57.38	95.96 51.95 46.31	0.03 8.26 8.58	0.25 17.35 17.75	1.78 28.21 28.97	0.69 17.94 18.43	12.68 13.18 12.93	24.79 25.43 25.40	37.24 38.18 37.92	24.90 25.60 25.42	16.32 49.00 56.93	66.94 81.65 81.94	94.16 69.58 59.11	8.32 42.06 42.04		62.99	33.79 57.49 55.14	10.71 48.35 52.07	67.47 90.38 90.97	93.40 72.00 67.20	0.35 32.47 33.99	1.59 45.36 46.82	5.90 57.78 59.08	2.62 45.20 46.63	54.47 51.58 50.80	70.13 67.26 66.70	81.41 79.14 78.75	68.67 65.99 65.42	0.26 14.19 15.12	1.00 22.98 24.16	3.00 33.67 34.99	1.42 23.62 24.76	22.58 21.53 20.93	37.96 35.93 35.22		38.41 36.50 35.83
+MAGSAC _↓	16.42 44.54 47.93	74.90 94.04 94.61	93.56 77.47 73.15	0.62 41.51 42.42	2.10 55.52 56.78	6.57 67.59 69.54	3.10 54.87 56.25	51.49 51.34 50.28	67.56 67.31 66.66	79.45 79.02 78.81	65.89 65.25	13.11 54.76 58.71	48.28 58.05 57.93	92.56 52.20 46.82	0.08 8.83 9.14	0.37 18.04 18.46	2.36 29.25 29.60	0.94 18.71 19.07	12.59 13.45 13.20	24.48 26.04 25.97	37.16 38.98 38.65	24.74 26.16 25.94	21.44 49.06 57.12	69.47 82.31 82.68	93.37 69.97 59.30	14,41 41.69 41.07	56.21 55.58	62.82 62.58	39.47 57.67 54.63	17.97 48.81 52.33	72.11 91.09 91.62	91.57 71.76 67.14	1.01 33.64 34.75	3.40 46.61 47.83	9.55 59.13 60.23	4.65 46.46 47.60	54.65 51.79 51.43	70.27 67.55 67.18	81.51 79.37 79.04	68.81 66.24 65.88	0.66 14.76 15.42	1.88 23.95 24.79	4.52 34.91 35.94	2.35 24.54 25.38	22.98 21.89 21.59	38.25 36.33 35.92	54.96 52.41 51.95	38.73 36.87 36.48
+MCC $+$ MAGSAC $_{\downarrow}$ $+$ MAGSAC $_{\downarrow}$			84.56 59.07 53.65	0.25 31.40 32.24					57.24 55.36 54.95	68.98 67.32 67.21	56.43 54.60 54.23	0.00 56.40 60.89	44.38 56.51 56.18	97.98 48.34 42.43	7.22 7.33	0.13 15.57 15.76	1.32 26.16 26.22	0.49 16.32 16.43	11.12 11.86 10.63	22.23 23.22 22.06	34.22 35.63 34.69	22.53 23.57 22.46	73.00 79.52	51.93 79.77 80.12	75.56 34.05 25.94	1.94 38.36 37.97	53.06	7.13 59.95 59.12		0.00 58.08 63.02	56.21 83.29 83.78	84.22 53.56 47.56						55.51 53.17 52.29	68.29 66.10 65.41	54.78 52.71 51.88	9.19 9.58	0.54 15.80 16.47	2.04 24.65 25.36	0.90 16.55 17.14	15.90 15.88 15.69	27.78 27.20 26.70	41.67 40.51 39.80	28.45 27.86 27.40