	MegaDepth								ScanNet									Planar						IMC PhotoTourism																							
Pipeline	Filtered	Precision	Recall	AUC_{05}^F	AUC_{010}^F	AUC_{020}^F	AUC_2^F	AUC_{05}^E .	AUC_{010}^{E}	$\mathrm{AUC}^{\mathrm{E}}_{0:20}$	AUC ₂	Filtered	Precision	Recall	AUCF as	AUC_{010}^F	AUC_{020}^F	AUC_{Z}^{F}	AUC_{05}^{E}	AUC_{010}^{E}	AUC_{020}^E	AUC ₂	Filtered	1 Precisiv	on Recall	AUC§	AUC#	a AUCH	5 AUC ^H	Filtered	l Precision	Recall	AUC_{05}^F	AUC_{010}^F	AUC_{020}^F A	UC ₂ A	UCE A	UCE A	UCE A	UCE AUC	$_{0(S,\frac{1}{2})}^{F}$ AUC	F 0(10,1) AUC	F 0(20,2) AU	CF AUCE	$_{S,\frac{1}{2})}$ AUC ^E _{G(1}	$_{(10,1)}^{}$ AUC $_{0(20)}^{E}$	AUCE AUCE
LoFTR +MAGSAC _† +MAGSAC _↓				40.88		68.34		46.28	62.90	76.22		0.00 48.83 56.06	58.84 60.72 60.88	59.54 51.12		1.46 30.39 30.08		2.40 30.36 30.27	19.42 19.18 19.51	36.26 35.95 36.33	52.68 51.79 52.26	36.12 35.64 36.03	0.00 80.21 85.77				23.69 49.75 49.96	29.93 56.89 56.47	40.09 41.00 39.23	0.00 47.20 55.66	79.88 89.44 89.91	99.95 60.07 50.65			15.59 15 15.98 51 16.79 52			.19 76 .93 75 .47 75	3.77 62.1 0.50 66.1 0.91 67.1		1 4.9 1 26.7 2 27.5	0 39.5		21.53	32.15 36.22 36.60	48.10 52.06 52.50	36.60
+ACNe $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$			41.26						43.52 48.73 49.38			50.04 66.65 71.02			2.22 7.18 7.34	6.61 16.80 17.25	14.96 30.43 30.66	7.93 18.14 18.41	13.07	26.78 27.46 26.84	42.82 43.00 42.66	27.50 27.84 27.40	52.17 86.80 90.19	64.56 73.54 73.73		23.08 26.08 25.73	37.51 42.63 42.21	44.78 50.92 50.73	39.06 33.83 32.53					37.74	19.82 25. i3.08 38. i3.49 38.	51 34 24 39 57 39	.59 52. .44 57. .48 57.	42 67 25 71 22 71	7.60 51.1 1.46 56.1 1.45 56.1						22.78 25.55 25.84		23.90 26.62 26.85
+AdaLAM $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	0.00 42.45 50.68	82.27 90.59 91.20	99.95 64.37 55.36		14.41 55.39 56.51		16.00 - 54.87 - 56.05 -	40.93 3 46.28 6 47.53 6	62.90	76.22	56.97 61.80 62.78	0.00 48.83 56.06	58.84 60.72 60.88	59.54 51.12	0.35 15.78 15.95	1.46 30.39 30.08	5.40 61.89 44.79	2.40 30.36 30.27	19.18	36.26 35.95 36.33	52.68 51.79 52.26	36.12 35.64 36.03	0.00 80.21 85.77	60.29 74.42 74.04			23.68 49.75 49.96	29.90 56.89 56.47	40.13 41.00 39.23	0.00 47.20 55.66	79.88 89.44 89.91				15.50 15 15.98 51 16.79 52	.94 52	.09 64 .12 67 .68 68	.17 76 .93 75 .47 75	5.81 62.0 0.50 66.0 0.91 67.0	99 2.1 51 15.8 32 16.1	1 4.5 1 26.7 2 27.5		5.82 7 27.36 4 27.90	18.16 21.53 21.85	32.27 36.22 36.60	48.21 52.06 52.50	32.88 36.60 36.98
+CC $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	18.43 49.51 56.30	84.61 89.56 90.07	85.01 56.25 48.79		34.36 42.80 43.98	49.92 56.20 57.56	35.38 42.76 43.95	31.97 37.89 38.78	48.44 55.18 56.36	63.77 69.79 70.67	48.06 54.29 55.27	27.41 54.21 60.40	66.75 70.16 70.29	80.09 53.42 46.18	5.37 12.52 12.57	13.14 24.81 25.03	24.40 38.24 38.44	14.31 25.19 25.35	15.74 17.04 15.83	31.06 32.46 31.60	46.69 47.52 46.79	31.16 32.34 31.41	28.15 85.16 89.12	49.93 58.09 58.30	70.97 18.13 13.35	23.19 23.26 23.60	35.51 36.49 36.41	41.12 42.12 42.31	42.70 30.00 28.94	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/ n/a n/ n/a n/	a n/ a n/	n n/s	a n/ a n/	/a n/a /a n/a /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
$+ CLNet \\ + MAGSAC_{\uparrow} \\ + MAGSAC_{\downarrow}$	19.18 50.24 57.03	85.42 90.50 90.96	83.88 55.30 47.84	10.78 20.97 21.83	18.98 32.78 33.79	31.75 47.34 48.50	20.50 33.70 34.70	18.37 43.35 35.18	45.95 51.96 53.38	62.49 67.87 68.99	45.60 51.06 52.52	50.68 64.14 68.71	67.83 70.13 70.18	56.28 41.69 36.35	1.10 4.06 4.41	3.68 11.02 11.37	8.87 22.23 22.61	4.55 12.43 12.80	11.46 10.39 10.41	24.23 23.34 23.17	39.26 38.10 38.11	24.98 23.94 23.90	30.33 80.58 86.17	63.87 71.66 71.95	73.82 22.66 16.10	31.04 31.15 31.73	44.99 46.99 46.96	52:20 54:19 54:07	50.51 38.75 37.22	30.08 58.35 64.57	85.12 89.74 90.12	74.48 47.20 40.25	9.41 19.14 19.71	17.00 : 30.26 : 30.92 :	18.60 18 14.11 31 14.59 31	.34 33 .17 38 .74 39	.73 51. .70 56. .13 56.	.20 66 .14 70 .53 70	5.10 50.1 0.12 54.1 0.36 55.1	34 3.1 39 7.0 34 7.1	4 6.8 2 13.1 8 13.4	0 12.6 2 21.9 10 22.2	7.56 2 14.00 9 14.21	11.53 13.68 13.70	22.30 25.64 25.95	36.41 40.39 40.78	23.41 26.57 26.81
+ConvMatch $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	75.11 82.85 85.19	86.01 87.69 88.03	26.71 19.15 16.58	8.84 10.60 10.23	17.75 19.84 19.97	31.25 33.56 33.45	19.28 21.33 21.22	4.34 45.17 15.89	27.96 29.09 30.56	44.61 46.07 48.04	28.97 30.11 31.50	77.09 83.61 85.87	66.57 66.68	29.16 21.02 18.39	1.83 2.79 3.23	6.24 7.99 8.74	14.58 16.93 17.98	7.55 9.24 9.98	6.83 6.57 7.24	17.14 16.79 17.79	30.65 29.89 31.23	18.21 17.75 18.75	73.82 93.07 94.86	63.75 70.99 71.24	27.60 8.30 5.92	15.55 15.70 16.40	31.95 31.97 31.97	40.81 40.54 40.45	28.98 24.13 23.68	74.21 83.19 85.76	85.78 87.56 87.87	28.97 19.75 16.77	10.07 11.95 12.18	20.76 : 22.81 : 22.98 :	15.60 22 17.26 24 17.29 24	.17 20 .01 22 .15 22	.64 36 .70 39 .97 39	.45 52 .17 55 .58 56	2.96 36.0 5.82 39.3 5.00 39.3	98 3.1 23 3.5 51 4.6	5 7.4 8 8.6 6 8.6	17 14.7 15 16.3 14 16.4	9 8.47 0 9.6 6 9.71	6.38 7.14 7.16	13.79 15.17 15.26	25.05 26.97 27.23	15.07 16.43 16.55
+DeMatch $+$ MAGSAC $_{\uparrow}$ $+$ MAGSAC $_{\downarrow}$	74.70				21.39 24.80 24.87	35.54 40.37 39.73	22.54 26.16 26.19	8.23 2 20.67 2 21.30				65.80 75.20 78.30	67.56 69.53 69.56	40.23 29.48 25.71	1.67 3.23 3.40	5.42 9.08 9.61	13.90 19.89 20.48	7.00 10.74 11.16	9.25 8.23 7.77	20.67 20.10 19.90	34.86 35.07 34.52	21.59 21.13 20.73	69.06 90.93 93.20			18.24 18.96 19.43	34.04 37.04 37.07	42.28 45.95 45.40	31.80 28.14 27.44	63.83 76.79 80.21	85.42 88.86 89.18	39.46 26.54 22.68	10.81 14.78 15.04	22.02 : 26.88 : 27.16 :	17.60 23 12.19 27 12.45 28	.48 23 .95 25 .22 25	.59 40. .68 43. .72 43.	36 57 37 60 56 60	7.12 40.1 0.29 43.1 0.70 43.1	36 3.4 11 4.8 33 5.0	9 7.5 4 10.3 0 10.5	13 15.4 11 18.8 16 19.1	4 8.96 8 11.3 3 11.57	7.52 8.25 7.94	15.97 17.23 16.93	28.04 29.91 30.02	17.18 18.46 18.29
+FC-GNN $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	20.82 29.79 33.53	93.18 95.38 95.65		27.43 50.35 50.86			61.44	50.83	67.84	79.78 80.89 80.35	66.34	54.26	68.20 71.86 71.88	73.02 59.17 53.93	4.45 15.29 15.73	10.30 29.60 29.85	19.65 44.22 44.05	11.47 29.74 29.87	18.59 18.41 17.89	35.11 35.43 34.55	50.64 51.01 50.24	34.78 34.95 34.22	31.26 56.14 64.91	73.37 77.19 77.70	111.36 79.09 64.16	34.18 39.38 39.33	47.76 52.28 52.73	53.75 57.98 58.72	61.76 57.18 53.74	29.50 36.10 39.17	93.02 95.19 95.46	89.67 83.69 80.06	26.88 46.82 47.28		2.12 39. 73.29 60 73.70 60	.87 58	.00 72 .96 72 .00 72	.64 82	3.09 71. 3.10 71. 2.96 71.	30 23.5	4 34.5	1 29.8 19 47.8 15 48.1		25.96 25.96 25.89	41.49 41.44 41.81	57.47	
+GMS $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	50.45 57.35	88.25	55.21	37.01	50.71	63.75		43.19	59.21		58.25		66.48 60.20 60.32	47.59	13.37			11.87 25.89 25.47			46.21 45.95 46.61	31.10 30.96 31.60	30.91 82.51 87.36		20.96			55.31	49.71 39.43 38.13	21.72 55.86 62.74	84.15 89.46 89.90	50.42	33.96	48.50	16.82 33 12.44 48 12.94 48	.30 48	.75 59. 21 64. .78 64.	.16 75	2.22 58.0 5.94 62.1 5.20 63.1	77 14.1	0 24.2	36.4		16.66 19.53 19.98	29.52 33.37 33.75		30.16 33.84 34.25
$+MS^2DG-Net$ $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	86.53 86.20	88.55 88.93	22.04 15.20 13.33	4.15 15.52 15.89		18.41 38.93 39.15	10.61 26.72 27.01	.3.73 .6.84 17.68				71.03 81.09 83.33	70.82 70.98	33.76 23.12 20.35	0.21 5.29 5.40	0.90 12.43 12.48	3.06 23.29 23.13	1.39 13.67 13.67	8.08 8.13 7.42	18.32 18.41 17.85	31.38 31.56 31.74	19.26 19.37 19.00	96.29	62.50 72.30 72.87	22.95 5.90 4.70	5.37 16.87 17.35	8.51 30.91 30.24	39.71 38.21	11.77 23.35 22.63	85.25 87.50	84.08 88.82 89.11	26.62 17.17 14.80	3.75 15.06 15.33		18.94 10. 18.78 26. 19.57 27.	.56 18 .48 21 .03 22	.41 31. .79 36. .43 37.	.91 46 .99 52 .62 53	5.76 32.1 2.50 37.1 3.27 37.1	36 1.2 39 5.4 78 5.7	9 3.2 1 10.5 3 10.7	90 7.1 12 18.2 18 18.7	4 3.88 8 11.40 3 11.69	5.71 7.22 7.41	12.29 14.70 15.01	22.34 25.70 26.16	13.45 15.87 16.19
+NCMNet $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	49.34 56.24	90.66 91.13	85.44 56.37 48.80	10.12 21.21 21.80	18.03 33.50 34.30	30.81 47.75 48.67	19.65 34.15 34.92	.9.12 4 33.85 13.89			46.39 51.48 51.18	48.03 62.09 66.96	67.90 69.92 70.04	59.37 43.97 38.31	2.03 5.42 5.26	5.55 13.62 13.58	12.73 25.21 25.55	6.77 14.75 14.80	13.00 12.52 12.17	27.23 26.27 25.80	42.04 41.16 40.41	27.42 26.65 26.13	25.68 80.32 85.88	64.20 73.42 73.62	78.87 23.65 16.98	32.57 32.71 33.08	47.18 48.80 48.77	53.67 55.49 55.42	53.07 40.16 38.56	26.59 56.52 63.07	85.51 90.09 90.48	78.54 49.54 42.17	9.85 19.63 19.92	17.73 : 30.98 · 31.43 ·	9.50 19. 15.13 31. 15.54 32	.06 34 .91 39 .30 40	69 52 29 57 01 57	.62 67 .11 71 .44 71	7.52 51.0 1.30 55.5 1.44 56.5	51 3.2 30 7.0 30 7.1	1 7.0 9 13.3 4 13.5	11 13.10 17 22.3 19 22.7	7.83 1 14.25 0 14.51	11.77 13.77 13.97	22.83 25.87 26.34	37.38 40.93 41.55	23.90 26.86 27.29
+OANet $+$ MAGSAC $_{\uparrow}$ $+$ MAGSAC $_{\downarrow}$	90.99	86.28 88.73 89.02	15.28 11.31 9.96		11.35 14.66 15.28	21.20 25.20 25.91	12.63 15.93 16.40	.0.69 2 .1.64 12.14					65.07 66.62 66.61	17.35 13.82 12.27	0.89 1.85 1.76	2.93 5.49 5.57	8.45 12.64 13.13	4.09 6.66 6.82			22.82 21.31 21.71	13.25 12.01 12.11			13.12 4.32 3.23	8.86 12.14 12.92	17.55 25.90 26.44	24.55 35.01 35.32	16.02 19.34 19.48	86.17 90.51 91.75	85.15 87.58 87.78	15.13 10.77 9.37	4.22 6.54 6.74	9.91 : 13.43 : 13.58 :	90.04 11. 94.41 14. 94.73 15.	.39 12 .79 13 .02 13	.75 24 .49 25 .35 25	.32 35 .95 42 .89 41	0.59 25.1 2.05 27.1 1.94 27.1	55 1.5 17 2.1 16 2.0	1 3.7 2 4.8 9 4.8	72 7.9 77 10.0 19 10.1	7 4.46 8 5.69 5 5.71	3.75 3.81 4.01	8.83 9.36 9.37	17.32 18.29 18.04	9.97 10.48 10.47
+MOP $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	42.60 50.77	83.54 90.73 91.27	100.00	41.51	55.94	69.17	55.54		63.42	76.84	62.19	15.45 50.01 57.05	70.48	90.78 58.60 50.38	1.32 15.67 15.69	4.50 29.79 29.78	11.70 44.25 44.25	29.91	18.99 19.46 18.84	36.00 36.45 35.70	52.10 52.33 51.57	35.70 36.08 35.37	16.21 80.27 85.93	63.28 74.21 74.58		25.91 33.11 33.53	40.99 49.30 49.64	49.39 56.62 56.87	51.52 40.84 39.36	4.13 47.56 55.94	82.17 89.84 90.31	98.80 59.88 50.51	12.30 37.79 38.61	53.42	15.93 23 16.49 52 16.90 52		32 64 .14 68 .21 68	.17 76 .07 75 .84 80	5.73 62.1 0.65 66.1 0.12 67.1	74 4.5 52 15.7 39 16.1	7 8.7 1 26.8 7 27.5	-	4 9.73 6 27.43 7 27.85		32.42 36.07 37.06	48.24 52.14 52.85	33.07 36.49 37.44
+MOP+MiHo +MAGSAC† +MAGSAC↓	42.52 50.73	90.64 91.21	64.30 55.32	40.54 41.72	54.91 56.40	68.08 69.39	54.51 55.84		63.67 64.23	77.12 77.31	63.15	49.08 56.29	70.13	59.54 51.06	15.36 15.66	29.29 29.80	44.09 44.69	3.82 29.58 30.05	19.05 18.76 18.55	36.30 35.58 35.57	52.47 51.61 51.74	35.94 35.32 35.29	80.03 85.74	61.59 74.32 74.60			49.55	41.08 56.85 56.24	46.21 40.97 39.17	1.93 47.34 55.77			37.79 38.63	53.46	66.99 53.	.03 53	.19 68.	.34 76 .26 75 .80 80	5.96 62.5 0.79 66.5 0.11 67.5	37 16.1	9 27.4	5 39.8 0 40.4	28.00	22.36	32.52 36.35 36.97	48.41 52.96 52.78	33.14 36.77 37.37
+MOP+MiHo+NCC +MAGSAC† +MAGSAC↓	33.47 38.49	81.33 95.58 98.14	93.75 87.81	45.42 45.87	59.62 60.91	71.78 72.82	60.10	51.55 50.01 50.84	67.94		67.28 66.27 68.69	63.35	60.39 60.62			2.43 27.29 27.19	40.84 41.11	3.42 27.30 27.23	18.86 18.38 18.66	35.37 35.30 35.22	50.67 50.93 50.57	34.97 34.87 34.82	11.30 48.91 57.61	69.33 82.14 82.94	1.000.00	41.04		42:30 62:02 61:97	63.81 67.90 63.85	1.93 38.98 44.00	94.53 95.08	78.97	40.34	54.12	7.62 54	.73 57 .65 57	.59 72 .19 72	.59 83 .43 83	1.77 71.7 1.15 71.7 1.19 70.5	18.5	6 29.8	11 41.1- 12 41.8	4 29.62 5 30.24	24.76 24.76	40.65 40.28 39.90	57.34 56.66 56.31	40.56 40.33
+MOP+NCC +MAGSAC _↑ +MAGSAC _↓	2.40 34.01 38.98	81.59 95.39 95.95	91.16	45.33 46.39	59.63 60.76	71.75 72.85	22.98 58.90 60.00	50.03	67.65 67.67 67.68	80.42 80.31 80.56	66.09	59.36 64.53	58.00 60.72 60.83			3.97 26.53 26.23		5.30 26.72 26.51	17.91 18.07 17.56	34.59 34.32 33.92	50.19 50.04 49.19	-	DESCRIPTION OF THE PERSON OF T	82.23	93.25	40.52	53.92		68.52 68.40 61.93		79.62 94.59 95.12	84.09 78.18		55.03	7.47 54	.80 57 .60 57	.27 72 .04 72	28 83	1.74 71.1 3.12 70.1 3.06 70.1	2.0 14 19.0 79 19. 1		0 41.4	2 30.01	24.98	40.83 40.25 40.13		41.07 40.61 40.53
+MCC $+$ MAGSAC $_{\uparrow}$ $+$ MAGSAC $_{\downarrow}$	0.00 49.82 56.23		89.89 59.56 52.79		12.39 42.81 42.67						50.87 52.15 52.03	0.00 62.36 67.99	53.24 68.04 68.19	93.54 43.51 37.01	0.27 10.43 10.43	1.27 22.15 22.73		2.18 22.81 23.31	14.68 15.62 15.21	30.55 31.16 30.90	46.15 46.18 46.05	30.46 30.98 30.72	0.00 77.91 83.75					30.53 57.47 56.94	41.56 47.20 44.07	0.00 55.35 61.67	69.27 88.38 88.93	89.95 54.79 47.68			12.44 12 51.82 39 52.08 39		.69 57. .71 57. .46 57.		0.40 56.3 0.65 57.3 0.23 56.3		1 3.7 8 19.3 6 19.3	8 8.4 4 28.9 7 29.1	1 4.53 9 19.94 4 20.03	17.18 18.09 17.94	28.98 30.02 29.75		29.73 30.61 30.34