						MegaDept	th										ScanNet									Plac	nr nr											IMC Pho	oto Tourism								
Pipeline	Filtered	Precision	Recall	AUC ₆₅	AUC_{010}^F	AUC^F_{020}	AUC ₂	AUCE ₆₅	AUCE,	0 AUCE	AUC ₂	Filtered	Precision	Recall	AUC_{05}^F	AUC_{010}^F	AUC_{020}^F	AUC_{\angle}^F	AUC_{05}^{E}	AUC^{E}_{010}	AUC_{020}^{E}	AUC ³	Filteres	d Precisi	sion Recal	I AUC	$_{95}^{H}$ AUC $_{91}^{H}$	a AUCH	auc _□	Filtered	Precision	Recall	AUCF .	AUCF 010	AUCF A	UC ₂ AU	CE AUC	E AU	C_{020}^E AU	CE AUCE	$(5,\frac{1}{2})$ $AUC_{0(1}^{F}$	$AUC_{0(2)}^{F}$	AUC_{\square}^{F}	$AUC_{0(5,\frac{1}{2})}^{E}$	$AUC_{0(10,1)}^{E}$	$\mathrm{AUC}^{\mathrm{E}}_{0(20,2)}$	$\mathrm{AUC}_{\square}^{E}$
$\begin{aligned} & ALIKED+LightGlue \\ & + MAGSAC_{\uparrow} \\ & + MAGSAC_{\downarrow} \end{aligned}$	0.00 15.88 23.71	92.95 95.63 96.23	86.88	39.42 47.29 47.26	55.31 63.00 62.83	69.76 75.28 75.30	54.83 61.86 61.79	45.85 45.35 46.95	62.99 63.11 64.84	76.55 77.01 78.28	61.79 61.82 63.35	0.00 33.48 40.67	65.50 68.44 68.40	53.05 65.40 57.83	4.75 8.46 8.90	11.44 18.82 19.24	21.96 31.30 31.57	12.72 19.85 19.90	12.84 13.20 12.85	26.49 26.73 26.58	41.04 41.02 41.04	26.79 26.98 26.82	0.00 49.92 61.56	76.17 81.77	90.91 52.73 40.39	37.49 40.62 41.50	53.63 56.82 56.43	61:12 63:45 63:69	60.79 53.40 50.52	0.00 15.81 23.19	93.63 96.29 96.74	59.76 86.75 79.58	32.94 4 44.16 5 44.40 5	17.85 19.43 19.65	2.38 47. 12.47 58. 12.68 58.			79.9 80.6 81.1	6 67.17 1 67.78 1 68.17	12.67 18.90 19.21	22.57 30.79 31.01		23.37 31.35 31.60	20.50 20.84 21.02	35.43 36.01 36.23	52.34 52.91 53.36	36.09 36.58 36.87
+ACNe +MAGSAC +MAGSAC	39.70 47.23 51.60	93.67 95.55 96.05		20.01 24.46 24.74	33.71 38.80 39.06	49.47 54.19 54.59	34.39 39.15 39.46	31.59 32.47 33.42	50.39 51.46 52.59	67.12 67.98 69.18	49.70 50.64 51.73	42.98 58.87 62.63	67.49 67.69 67.70	54.59 41.04 37.10	3.03 4.50 4.37	8.65 10.80 10.92	18.01 20.42 20.92	9.90 11.91 12.07	7.28 7.88 7.87	17.44 17.97 18.01	30.29 30.70 30.89	18.34 18.85 18.92	52.20 72.64 78.24	77.15 80.77 81.20	44.12 28.14 22.17	32.36 34.53 35.35	48.25 51.09 51.53	56.24 58.50 58.38	45.24 43.06 41.86	41.51 48.84 52.76	94.59 96.33 96.71		24.27 3 29.98 4 30.49 4	18.90 15.17 15.71	64.79 39. 60.30 45. 60.71 45.	12 42.7 15 42.9 14 43.2				7.86 10.84 11.15		26.57 31.22 31.57	16.70 20.58 20.90		26.62	42.58	27.58 27.79 28.30
$^{+\mathrm{AdaLAM}}_{+\mathrm{MAGSAC}_{\uparrow}} \\ ^{+\mathrm{MAGSAC}_{\downarrow}}$	0.00 15.88 23.72	92.95 95.63 96.23		39.42 47.29 47.26	55.31 63.00 62.83	69.76 75.28 75.30	54.83 61.86 61.79	45.85 45.35 46.95	62.99 63.11 64.83	76.55 77.01 78.26	61.79 61.82 63.35	0.00 33.48 40.67	65.50 68.44 68.40	53.05 65.40 57.83	4.75 8.46 8.90	11.44 18.82 19.34	21.96 31.39 31.87	12.72 19.55 19.90	12.84 13.20 12.85	26.49 26.73 26.58	41.04 41.02 41.04	26.79 26.98 26.82	0.00 49.92 61.56	76.17 81.77 83.42	90.91 52.73 40.39	37.49 40.62 41.59	53.63 56.82 56.43	61.12 63.45 63.69	60.79 53.40 50.52	0.00 15.81 23.19	93.63 96.29 96.74	89.76 86.75 79.58		17.85 19.43 19.65	2.38 47. 2.47 58. 12.68 88.	52.8 53.3 1 53.7			6 67.17 1 67.78 1 68.17		22.57 30.79 \$1.01	34.88 44.36 44.89	23.37 31.35 31.60	20.50 20.84 21.02	35.43 36.01 36.22	52.34 52.91 53.35	36.69 36.58 36.87
+CC $+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	36.19	86.24 88.36 88.86	82.54 72.49 66.33	28.81 34.50 34.46	43.23 48.73 48.84	57.42 61.58 62.11	43.16 48.27 48.47	38.10 39.14 39.26	54.86 56.25 56.18	68.57 69.52 69.49	53.84 54.97 54.98	33.98 54.56 58.99	54.91 55.91 55.92	61.10 44.51 39.78	4.10 5.39 5.52	9.54 11.52 11.70	17.55 20.15 20.67	10.39 12.35 12.63	9.21 8.49 8.86	18.66 18.34 18.56	29.26 29.90 29.53	19.04 18.91 18.98	79.33 92.81 94.12	10.37 11.14 11.25	12.65 6.78 5.39	3.91 3.86 3.78	6.31 6.29 5.96	7.40 7.41 7.23	7.57 6.09 5.59	n/a n/a n/a					n/a n/s n/a n/s		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
+CLNet +MAGSAC $_{\uparrow}$ +MAGSAC $_{\downarrow}$	14.87 26.62 33.00	93.37 95.41 95.93	85.31 75.64 69.53	21.13 26.75 26.98	34.59 41.12 41.23	56.82 56.41	35.30 41.56 41.54	35.01 36.08 36.93	53.99 54.95 55.82	69.56 70.92 71.22	52.86 53.98 54.66	46.80 60.40 64.07	68.60 64.41 64.51	50.87 39.42 35.67	1.91 2.89 3.07	5.00 7.71 7.96	11.37 15.63 15.91	6.09 8.74 8.98	6.46 6.73 5.95	15.74 15.55 14.77	27.60 26.57 25.53	16.60 16.28 15.42	17.63 55.66 66.01	77.43 81.63 82.28	80.43 47.42 36.30	38.47 40.43 39.74	53.36 55.64 54.27	60.82 62.27 61.20	58.27 51.44 47.88	19.67 29.96 35.55	94.49 96.22 96.62	80.87 72.03 66.60	21.92 3 28.69 4 29.19 4	15.31 13.58 13.97	60.97 36. 68.76 43. 69.11 44.	7 43.5 8 44.1 9 44.3	0 60.83 9 61.43 7 61.66	74.1 74.7 74.8	5 59.50 0 60.12 8 60.30	7.37 10.68 10.83	14.56 19.00 19.14	24.60 30.22 30.46	15.51 19.97 20.14	14.20 14.82 14.61	26.91 27.65 27.59	43.03 43.76 43.98	28.05 28.74 28.73
+ConvMatch +MAGSAC† +MAGSAC↓ +DeMatch	65.67 69.64 72.07	93.06 94.31 94.71	34.39 31.20 28.87	13.94 15.50 16.27	25.24 27.03 28.36	40.24 42.09 42.92	26.47 28.21 29.19	23.12 23.82 23.41	40.38 40.67 41.06	58.00 58.42 59.05	40.50 40.97 41.17	65.97 75.33 77.38	67.98 64.30 64.34	33.09 25.40 23.22	1.62 2.24 2.16	5.41 6.48 6.33	13.12 13.80 13.70	6.72 7.51 7.39	5.43 4.88 4.84	12.96 12.34 12.51	24.31 23.33 23.41	14.24 13.52 13.59	62.92 77.70 82.13	76.76 79.28 79.59	34.06 22.15 17.51	29.97 31.21 31.18	46.47 47.56 47.84	55.13 55.92 55.77	41.41 39.21 38.07	64.47 68.53 70.91	94.35 95.45 95.81	35.83 32.37 30.05	17.25 2 21.30 3 21.58 3	10.67 15.15 15.62	16.78 31. 10.68 35. 11.28 36.	7 33.5 1 34.3 6 34.0	7 51.75 6 52.55 2 52.25	67.5 68.3 68.1	4 50.94 5 51.74 0 51.45	5.36 7.29 7.37	11.34 14.40 14.44	20.97 24.40 24.52	12.56 15.37 15.44	11.14 11.23 11.09	21.75 21.95 21.75	35.83 36.37 36.18	22.91 23.18 23.01
+DeMatch +MAGSAC _† +MAGSAC _↓ +FC-GNN	64.63 68.65 71.12	93.35 94.79 95.21		11.66 14.17 14.70	23.18 25.72 26.27	38.69 40.47 40.48	24.51 26.79 27.15	22.37 22.24 21.95	40.04 40.18 39.99	58.27 58.87 58.19	40.23 40.43 40.04	68.01 76.15 78.13	67.36 64.28 64.34	31.01 24.39 22.34	0.93 1.46 1.61	3.22 4.12 4.27	8.95 9.84 9.97	4.37 5.14 5.29	3.63 3.53 4.05	9.98 9.61 10.13	19.43 19.76 19.33	11.01 10.97 11.17	66.67 79.83 83.69	76.40 79.85 80.20	29.50 19.60 15.50	24.03 27.59 26.94	40.71 45.31 45.20	50.30 53.67 53.67	36.16 36.54 35.35	65.18 69.12 71.39	94.39 95.78 96.12	35.10 31.71 29.50	14.69 2 18.27 3 18.76 3	17.40 11.65 12.11	13.16 28. 17.14 32. 17.64 32.	12 30.2 15 30.6 14 30.6	1 48.10 0 48.70 1 48.8	64.3 64.9 1 65.1	1 47.54 1 48.09 4 48.19	4.48 5.93 6.21	9.78 12.09 12.40	18.42 21.25 21.58	10.90 13.09 13.40	9.36 9.42 9.26	18.94 19.05 18.85	32.29 32.46 32.54	20.20 20.31 20.22
+MAGSAC _† +MAGSAC _↓ +GMS	21.00	97.34 97.35		51.67 51.72			68.70	49.76 49.46	66.87 66.88	79.50 79.50 79.52	65.38 65.05	32.30 40.67 43.23	70.76 70.79	59.67 56.96	8.52 8.75	18.15 18.35	29.77 29.70 16.31	18.82 18.93	12.12 12.34 12.40	25.44 25.36	39.27 39.16	25.68 25.64	13.04 51.61 62.53	81.27 81.93	49.65 38.00	39.86 39.92	55.59	62.76 62.40	52.03 49.00	13.63 22.25 28.30	96.54 96.98	80.21 74.32	43.38	8.35 8.52	71.60 57. 71.66 57.	1 51.3 14 52.0 15 52.0	9 68.1 4 68.2	79.6	1 66.60 0 66.74	18.35 18.57	29.88 29.99	43.45 43.44	30.56 30.67	20.09 19.83	33.83 34.91 34.49	51.78 51.56	35.59 35.29 32.51
+MAGSAC _† +MAGSAC _↓ +MS ² DG-Net	20.69 31.61 37.44 70.80	92.49	64.85	42.08 41.79	56.72	68.69 69.05	51.23 55.77 55.85	41.79 41.27 42.00	57.56 57.80 58.43	70.30 70.98 71.32	56.69 57.25	54.20 63.94 67.54	60.87 60.92	36.63 32.94	3.23 4.32 4.35			9.34 11.24 11.29	7.16 7.38	15.91 16.23	26.71 26.41 26.84	16.76 16.49 16.82	38.96 63.74 72.27		61.70 38.84 29.93	35.31 36.21 37.01		57.33 57.38 57.07	45.79 43.76	30.65 36.24	95.23 95.63	80.36 71.31 65.87		16.62 i3.69 i3.92	67.07 53. 67.32 53.	12 48.1 11 48.2 12 48.4	9 63.94 1 64.23 3 64.53	75.6 76.0 76.5		15.92 15.97	26.50 26.70	39.27 39.54	27.23 27.40	17.84 18.00	31.72 31.56 31.86		32.43 32.70
+MSTRG-Net +MAGSAC† +MAGSAC↓ +NCMNet	70.80 74.76 76.84	93.83 95.64 96.13		21.74 22.51 22.84	36.84 37.18	52.67 52.33 52.67	36.82 37.23 37.56	22.18 21.69 22.03	37.28 37.62 38.38	53.70 55.14 56.02	37.72 38.15 38.81	59.15 69.82 71.81	67.82 68.23 68.19	35.97 27.92 25.96	2.41 3.16 2.59	6.17 7:32 6.88	13.77 14.58 14.21	7.45 8.35 7.89	4.21 4.24 4.36	10.92 10.21 10.55	20.18 19.60 19.47	11.77 11.35 11.46	65.87 81.41 84.69	77.95 81.26 81.72	27.91 18.23 14.78	31.68 30.16 30.62	49.24 48.01 48.29	56.99 56.09 55.99	41.45 38.12 37.42	70.10 73.66 75.52	94.70 96.16 96.50	30.12 27.13 25.31	20.39 3 23.54 3 23.83 3	13.66 16.80	19.06 34. 51.65 37. 51.91 37.	7 29.0 3 28.7 0 28.9	9 45.83 8 46.03	61.4 61.9 62.1	4 45.40 6 45.53 8 45.72	6.59 8.47 8.49	13.29 15.70 15.89	23.15 25.58 25.69	14.35 16.59 16.69	8.66 8.93 8.90	17.70 17.91 18.08	30.51 30.86 30.91	18.96 19.23 19.30
+MAGSAC† +MAGSAC↓ +OANet	25.51 32.03	95.38 95.90	76.85 70.62	26.84 27.21	35.25 41.53 42.29	56.92 58.02	41.77 42.51	35.48 37.53	54.27 56.01	70.25 71.65	53:33 55:06	58.85 62.69	63.73 63.79	40.79 36.83	3.43 3.56	8.72 8.42	16.88 16.37	9.68 9.45	7.12 7.18 7.03	16.13 15.65 16.48	26.66 27.54	16.50 17.02	53.86 64.78	80.26 80.75	80.94 48.51 37.07	39.38 39.38 40.51	54.29 54.82	60.43 61.14	50.65 48.39	17.09 27.79 33.61	96.26 96.66	74.33 68.68	28.72 29.26	13.27 13.91	61.23 36. 68.37 43. 68.90 44.	0 43.6 15 43.8 13 44.3	6 60.61 7 61.13 5 61.5	73.8 74.2 74.6	3 59.38 8 59.76 3 60.18	10.54 10.73	18.73 19.03	29.80 30.16	19.69 19.97	14.51 14.51 14.92	27.21 27.17 27.50		28.22 28.28 28.61
+MAGSAC _† +MAGSAC _↓	90.44 90.94	94.35 94.73 94.97	9.85 9.36	4.67 5.06 5.63	10.40 11.38 11.99	21.66 22.78 23.54	12:24 13:08 13:72	10.49 11.05 10.70	22.43 22.67 21.86	38.38 38.40 38.36	23.76 24.04 23.64	92.89 93.21	52.54 52.52	7.12 6.79	0.54 0.62 0.61	1.93 1.80 1.69	6.13 5.56 5.82	2.87 2.66 2.70	1.47 1.63 1.65	4.80 4.92 5.01	11.42 10.90 11.48	5.90 5.82 6.04	89.91 94.03 96.17	76.42 77.88 78.04	9.21 6.01 4.86	20.60 21.97 22.48	36.22 36.75 36.32	45.39 45.46 44.87	27.86 27.55 27.13	89.20 90.12 90.65	94.90 95.24 95.46	10.93 10.14 9.61	7.82 1 7.85 1	14.00 15.89 15.95	15.85 15. 18.07 17. 18.28 17.	16 17.4 16 17.4 16 17.5	2 31.90 3 31.90 3 31.90	48.3 48.3 48.6	8 32.57 8 32.60 0 32.68	1.94 2.53 2.46	4.78 5.71 5.64	9.91 11.08 11.21	5.54 6.44 6.43	5.12 5.06 5.10	11.17 11.33 11.48	20.90 20.93 21.30	12.40 12.44 12.63
+MOP +MAGSAC _† +MAGSAC _↓ +MOP+MiHo	1.05 16.29 24.12	92.99 95.60 96.18		46.80 46.88	56.11 62.33 62.62	70.38 74.80 75.04	55.50 61.31 61.51	46.52 45.64 46.99	63.39 63.41 64.64	76.75 77.01 77.90	62:22 62:02 63:18	17.92 41.40 48.15	64.46 66.82 66.90	82.25 60.03 53.00	5.21 8.11 8.65	12.65 17.86 18.41	23.43 29.81 30.30	13.76 18.59 19.12	12.28 12.77 12.32	25.67 25.60	40.17 39.52 39.52	25.99 25.82	52.31 63.85	76.39 81.48 82.14	51.62 39.38	38.90 40.34 41.48	54.64 56.32 56.50	61.79 62.99 63.78	52.82 50.29	1.05 16.13 23.46	93.82 96.29 96.74	99.13 86.49 79.37	34.35 43.69 43.74	19.60 18.99 19.05	2.15 58. 2.19 58.	17 52.8 18 53.2 13 53.5	6 69.55 6 69.55	79.8 80.4 80.9	4 67.12 4 67.62 6 68.04	13.10 18.81 18.81	23.37 30.42 30.55	35.98 43.90 44.03	31.04 31.13	20.46 20.60 21.04	35.33 35.82 36.83	52.12 52.70 53.38	35.97 36.38 35.92
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	0.52 16.00 23.83	92.98 95.65 96.22	79.33	39.54 47.10 47.03	55.65 62.60 62.43	70:23 74:90 74:94	55.14 61.56 61.47	45.79 45.81 46.92	63.19 63.21 64.69	76.83 76.97 78.20	61.94 62.00 63.27	11.29 37.55 44.58	65.28 68.15 68.15	87.47 63.12 55.74	5.11 8.44 8.76	12.24 18.47 18.93	22.78 30.66 30.85	19.51	12.61 12.63 12.44	26.06 26.10 25.96	40.14 40.56 40.21	26.27 26.43 26.20	9.82 51.73 63.24	76.16 81.44 82.11	88.71 51.57 39.44	38.03 41.07 41.62	54.14 56.91 56.32	61:43 63:71 63:66	60.58 53.31 50.26	0.55 15.94 23.30	93.73 96.30 98.75	86.67 79.52	33.78 4 43.87 8 44.00 8	9.03 9.21 9.26	53.64 48. 72.31 58. 72.44 58.	53.0 17 53.4 57 58.7	6 68.77 1 69.43 8 69.77		6 67.27 6 67.83 6 68.19		0	35.66 44.20 44.22	23.86 31.17 31.24	20.49 20.91 21.10	35.47 36.08 36.30	52.38 52.99 53.42	36.11 36.66 36.94
+MOP+MiHo+NCC +MAGSAC _† +MAGSAC _↓ +MOP+NCC	0.52 21.47 25.54	88.00 96.29 96.64	82.26 78.37	19.14 43.69 44.76	58.71 59.57	71.82 72.70	34.22 58.07 59.01	47.57 47.66 46.72	65.44 65.66 64.38	78.59 78.96 77.48	63.86 64.09 62.86	11.29 39.72 44.73	62.91 68.00 68.13	86.28 61.91 56.75	2.55 8.45 8.46	18.43 18.91	29.97 30.65	8.81 18.95 19.34	18.26 12.64 13.11	26.36	42.03 40.52 41.28	27.50 26.51 27.05	9.82 33.54 42.52	77.08 81.59 81.91	93.21 73.66 63.89	38.15 41.63 41.58	54.70 57.74 57.42	62.33 64.88 64.55	62.10 59.48 56.86	0.55 26.14 30.55	87.02 96.29 96.63		38.11	2.40	10.31 26 15.60 52 16.12 52	14 52.7 14 52.4	0 69.25 7 68.40 9 68.10	80.5 79.7 79.7	7 67.76 8 66.98 1 66.79	3.97 16.03 16.56	26.33 26.92	16.69 38.44 39.07	9.80 26.94 27.52	21.16 21.03 20.54	36.25 35.85 35.14	53.18 52.39 51.78	36.86 36.42 35.82
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	1.05 22.05 26.22	96.09 96.49	81.58	18.58 42.75 43.40	32.52 57.47 57.75	48.43 70.51 70.68	33.18 56.91 57.28	46.33 46.87 46.20	64.59 64.94 64.39	78.25 78.68 78.24	63:06 63:49 62:94	17.92 43.30 47.93	62.01 66.70 66.72	80.76 58.99 54.06	2.61 7.87 8.26	17.97 18.29	29.68 29.89	8.52 18.51 18.81	14.01 12.75 13.05	27.08 26.25 26.71	40.81 40.27 40.41	27.29 26.42 26.73	11.47 33.84 43.10	77.20 81.66 82.00	73.71 63.53	37.92 42.41 42.77	54.48 58.09 58.07	62.25 64.88 64.93	61.77 59.69 57.33	1.05 26.43 30.72	96.21 96.56	91.65 76.11 71.97	38.53	i2.51	18.91 25. 14.64 51. 15.30 52.	5 52.7 11 52.5	5 69.2- 1 68.4: 4 68.11	79.7	6 67.85 6 67.03 4 66.81	4.07 16.38 16.76	26.85	16.58 38.08 38.64	9.87 26.94 27.42	21.87 21.05	36.46 36.11 35.77	52.52 52.27	37.03 36.67 36.36
+MCC $+$ MAGSAC $_{\uparrow}$ $+$ MAGSAC $_{\downarrow}$	0.00 36.81 42.67		82.02 62.01 56.71	13.75 27.92 28.69	26.33 38.88 39.62	42.90 51.48 51.90	27.66 39.43 40.07	32.91 32.41 32.72	46.96 47.33 47.74	60.82 61.91 62.42	46.89 47.22 47.63	0.00 40.46 45.93	61.52 67.30 67.36	59.00 53.21	1.91 6.81 6.93	6.16 15.74 16.06	14.45 26.48 27.06	7.50 16.34 16.68	10.96	23.74 22.91 23.06	37.87 36.93 36.81	24.24 23.60 23.57	0.00 67.48 74.92	58.44 79.77 79.85	66.85 32.28 24.46	32.41 37.24 37.53	47.83 53.07 51.23	56.12 60.40 57.89		0.00 43.00 49.23			24.03	5.92	14.22 21. 18.78 36. 18.86 36.	38.6		66.4	6 52.75	9.65	16.88	13.55 26.02 26.39	7.76 17.51 17.75	14.55			26.41 26.70 26.59