Pipeline	Filtered	Precision	Recall	$AUC_{\alpha s}^{F}$	AUC ^F	MegaDept $AUC_{0:20}^F$	h AUC ^F	AUC_{α}^{E}	AUC_{ava}^{E}	AUC_{om}^{E}	AUC ^E	Filtered	Precision	Recall	AUC_{ns}^{F}	AUC_{010}^F	ScanNet AUC ^F	AUC ^F	$AUC_{\alpha s}^{E}$	$AUC_{\alpha_{1\alpha}}^{E}$	AUC_{one}^{E}	AUC ^E
LoFTR	0.00	82.40	99.91	7.50	15.34	27.88	16.91	42.07	58.95	73.17	58.06	0.00	58.34	98.98	0.32	1.56	5.30	2.40	19.67	35.87	52.04	35.86
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	41.83 49.95	90.63 91.26	64.87 55.98	40.63 42.42	55.23 57.03	68.46 70.28	54.77 56.58	47.23 47.95	64.05 64.28	77.16 77.79	62.81 63.34	49.41 56.65	69.51 69.71	59.31 50.83	15.64 16.19	29.67 29.90	44.43 44.67	29.91 30.25	19.59 19.40	35.97 35.76	51.62 52.10	35.73 35.75
+ACNe	40.97	85.89	61.97	14.29	25.09	40.27	26.55	27.01	44.27	60.77	44.02	49.95	65.47	56.42	1.71	6.08	14.34	7.38	13.31	26.67	42.21	27.40
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	61.99 66.85	90.45 90.91	42.30 36.90	22.99 23.41	36.19 36.49	51.34 51.61	36.84 37.17	32.48 33.03	50.88 51.43	67.27 67.97	50.21 50.81	66.79 71.14	69.64 69.76	39.29 34.11	6.67 6.90	16.14 16.30	29.81 30.00	17.54 17.73	13.16 12.99	27.09 26.63	42.66 42.62	27.64 27.41
+AdaLAM +MAGSAC.	0.00 41.83	82.40 90.63	99.91 64.87	7.50 40.63	15.34 55.23	27.88 68.46	16.91 54.77	42.07 47.23	58.95 64.05	73.17 77.16	58.06 62.81	0.00	58.34 69.51	98.98	0.32	1.56	5.30	2.40	19.67	35.87 35.97	52.04	35.86 35.73
$+MAGSAC_{\downarrow}$	49.95	90.63 91.26	64.87 55.98	42.42	55.23 57.03	68.46 70.28	54.77 56.58	47.23 47.95	64.05 64.28	77.16	63.34	49.41 56.65	69.51 69.71	59.31 50.83	16.19	29.67 29.90	44.43 44.67	29.91 30.25	19.59 19.40	35.97 35.76	51.62 52.10	35.73 35.75
+CC +MAGSAC	18.34 48.65	85.01 89.91	85.19 57.16	23.27 31.86	36.37 45.44	51.63 59.00	37.09 45.43	33.03 39.38	50.16 56.73	65.13 70.94	49.44 55.68	26.88 54.47	66.68 70.28	80.52 53.30	4.71 12.76	12.26 25.29	23.71 38.63	13.56 25.56	15.69 16.24	31.37 31.28	46.64 46.54	31.23 31.35
$+MAGSAC_{\downarrow}$	55.29	90.33	49.81	32.42	45.67	59.13	45.74	40.71	57.24	71.74	56.56	60.66	70.45	46.03	13.62	25.69	39.00	26.10	16.12	31.21	46.52	31.28
+CLNet +MAGSAC↑	19.13 49.63	85.53 90.58	83.93 55.92	11.99 21.18	20.28 32.88	32.84 47.27	21.70 33.78	29.91 35.24	47.54 53.46	63.39 69.04	46.95 52.58	51.42 64.95	67.62 69.98	55.61 40.85	1.08 3.86	3.31 11.41	8.52 22.74	4.30 12.67	11.44 10.20	24.30 22.98	39.04 37.25	24.93 23.47
+MAGSAC↓ +ConvMatch	56.29 75.20	91.00	48.60	22.03	34.16	48.44	34.88	36.57	54.84	70.25	53.89	69.55	69.99	35.47	3.95	11.11	22.38	12.48	11.36	23.86	38.06	24.43
+MAGSAC+	82.71	86.04 87.93	26.58 19.30	9.55 11.19	18.48 21.06	32.30 35.24	20.11 22.50	15.13 16.05	29.31 30.47	46.52 47.52	30.32 31.35	77.09 83.54	66.48 66.45	29.34 21.30	1.50 2.83	5.64 7.93	14.08 16.96	7.07 9.24	5.94 6.20	16.22 16.53	29.84 29.80	17.33 17.51
+MAGSAC _↓ +DeMatch	62.49	88.26 86.41	16.79 39.80	11.17	21.67	35.66 35.81	22.83	16.19	31.46	50.03	32.56 34.28	85.51 65.85	66.57	18.65	3.09	8.18 4.70	17.54	9.60	6.69 9.25	16.98 20.06	30.60	18.09 20.89
+MAGSAC† +MAGSAC	74.48 77.70	89.62 90.01	28.25 24.75	14.53 14.79	25.24 24.63	40.65 39.32	26.81 26.24	20.84	36.92 38.48	54.14 55.88	37.30 38.76	75.38 78.48	69.06 69.04	29.19	3.52 3.73	9.04 9.88	19.42	10.66 11.31	8.51 7.81	19.64 19.06	33.89 33.03	20.68 19.97
+FC-GNN	20.40	93.24	98.95	27.30	40.22	54.89	40.81	51.71	68.33	80.60	66.88	36.09	68.03	72.71	4.56	10.44	19.43	11.48	18.46	34.62	49.58	34.22
+MAGSAC _↑ +MAGSAC _↓	29.38 33.13	95.40 95.64	90.88 86.40	51.06 51.91	65.68 65.19	77.43 77.60	64.72 65.23	53.37 51.71	69.51 68.89	81.31 80.97	68.07 67.19	50.54 55.10	71.64	58.72 53.29	14.66 15.40	28.96 29.15	43.21 43.02	28.94 29.19	18.34 18.27	34.85 34.30	49.81 49.54	34.33 34.04
+GMS +MAGSAC.	16.19	82.66	85.96	23.76	36.28	50.05	36.70	38.55	55.29	68.85	54.23	39.37	65.91	67.10	3.81	10.26	20.17	11.42	15.87	30.84	45.72	30.81
$+MAGSAC_{\downarrow}$	49.64 56.39	87.99 88.44	56.04 48.60	37.79 38.72	51.44 52.63	64.86 65.61	51.36 52.32	44.34 44.54	60.52 61.01	73.21 73.59	59.35 59.71	59.27 64.82	68.76 68.75	47.14 40.65	13.69 12.86	26.37 25.42	39.32 38.71	26.46 25.66	16.48 16.73	31.32 31.29	45.94 45.52	31.25 31.18
+MS ² DG-Net +MAGSAC ₁	79.50 86.63	84.40 88.34	21.66 15.04	3.56 16.13	8.21 25.64	16.93 37.95	9.56 26.57	14.67 17.01	27.10 31.00	42.02 47.19	27.93 31.73	70.79 80.99	66.04 70.57	34.25 23.48	0.36 4.80	1.09	2.97	1.47	7.34 7.84	17.12 18.08	30.14	18.20 18.98
+MAGSAC↓ +NCC	88.25	88.78	13.25	16.11	26.29	39.10	27.16	18.05	31.14	46.38	31.86	83.23	70.68	20.62	4.67	11.58	22.09	12.78	7.19	17.36	31.23	18.60
+MAGSAC _↑	0.00 49.39	71.37 87.76	90.26 59.93	5.85 31.24	13.34 41.73	25.63 52.79	14.94 41.92	37.13 37.69	52.20 52.50	65.82 66.10	51.72 52.10	0.00 62.87	52.74 67.90	93.47 43.10	0.31 10.42	1.38 21.76	4.84 35.48	2.17 22.55	14.08 15.60	30.19 30.83	45.86 45.62	30.04 30.68
+MAGSAC _↓ +NCMNet	55.79 17.51	88.36 85.84	53.14 85.88	31.18 10.42	41.68	52.90 30.47	41.92 19.56	38.53	53.17 48.30	66.30 64.46	52.66 47.77	68.45 48.58	68.04 67.55	36.68 58.79	2.14	22.98 5.52	36.70 12.67	23.45 6.77	15.58	30.71 26.85	45.77	30.69 26.97
+MAGSAC+ +MAGSAC	48.55	90.71	57.16	21.65	33.66	47.80	34.37	36.05	54.80	70.25	53.70	62.72	69.67	43.39	5.88	14.32	25.87	15.36	12.90	26.35	40.80	26.68
+MAGSAC _↓ +OANet	55.35 85.61	91.20 86.40	49.71 15.33	22.55 5.41	35.20 11.69	49.67	35.81 13.07	35.59 11.47	53.90 22.04	69.59 36.49	53.03 23.33	67.59 84.22	69.74 64.90	37.69 17.77	6.05 0.98	14.23 3.40	26.10 8.62	15.46	12.08 5.11	25.39 12.37	39.79	25.76 13.52
+MAGSAC _↑ +MAGSAC _↑	89.62 90.86	88.89 89.12	11.43 10.07	8.12 8.08	15.03 15.32	25.77 26.35	16.31 16.58	12.63 13.19	24.58 25.02	39.87 40.86	25.69 26.36	87.82 89.10	66.56 66.58	14.08 12.50	2.01 2.15	5.99 5.87	13.25 12.91	7.08 6.98	4.39 3.73	11.56 10.51	21.68 21.44	12.54 11.89
+MOP _{0.5K} +MiHo	1.34	83.02	99.71	11.51	21.60	35.76	22.96	42.60	59.65	73.19	58.48	9.20	60.44	94.53	0.79	2.73	7.41	3.65	18.12	35.27	50.88	34.76
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	41.94 49.95	90.75 91.28	64.93 56.08	41.57 42.04	56.41 56.59	69.41 70.05	55.80 56.23	47.46 49.08	64.29 65.61	77.57 78.35	63.11 64.35	49.84 56.96	69.82 69.95	58.74 50.33	15.23 15.59	29.01 29.08	43.43 44.01	29.22 29.56	18.84 20.23	35.01 36.80	50.97 52.16	34.94 36.39
+MOP _{0.5K} +MiHo+NCC +MAGSAC _↑	1.34 33.52	81.45	112.83 91.90	9.23	18.43 58.09	33.07 70.69	20.24	52.53	69.92 68.23	82.24	68.23 .	9.20 58.60	56.09 69.12	90.35 48.86	0.76 14.01	2.25 27.56	6.88	3.30 27.52	18.66 18.85	34.71 35.99	49.73	34.36
+MAGSAC↓	38.51	95.49	86.29	46.60	60.69	72.79	60.02	51.35	68.76	81.24	67.12	63.85	69.12	42.74	13.79	27.14	41.21	27.38	18.45	35.11	50.03	34.53
+MOP _{1.0K} +MiHo +MAGSAC↑	1.31	82.99 90.72	99.67 64.82	11.35	21.15	35.61 68.91	22.70 54.73	41.90	58.93 64.56	73.07 78.11	57.97 63.13	8.66	60.29 69.82	94.86 59.02	0.71	2.74	7.78	3.74	19.11	36.01 35.61	51.42 51.44	35.51 35.34
+MAGSAC _↓	49.96	91.29	56.08	42.00	56.63	70.29	56.31	47.25	64.31	77.86	63.14	56.92	69.94	50.45	15.78	29.03	43.70	29.50	20.47	36.93	52.43	36.61
$+MOP_{1.0K}+MiHo+NCC$ $+MAGSAC_{\uparrow}$	1.31 33.52	81.42 95.48	92.13	9.08 46.03	18.53 59.52	33.26 71.61	20.29 59.05	50.06 50.96	68.08 68.24	80.57 80.83	66.24 66.68	8.66 58.49	56.00 69.28	90.59 48.95	0.43 13.96	2.31 27.22	7.41 41.33	3.38 27.51	18.31 19.40	35.23 36.06	50.27 51.44	34.61 35.63
+MAGSAC _↓ +MOP _{1.5K} +MiHo	38.55	98.01 82.96	99.73	47.04 11.71	61.22 21.56	73.15 35.42	22.90	50.74 40.37	68.59 57.68	80.99 72.21	66.77 56.75	63.75 8.34	69.48	42.79 95.20	0.75	28.19	7.54	3.66	18.75	35.29 35.20	51.56	34.86
+MAGSAC+	41.89	90.77 91.29	64.94 56.07	42.33 41.94	56.05 56.67	69.39 70.35	55.92 56.32	48.21 48.09	65.22 64.92	78.34	63.92 63.78	49.65 56.89	69.70 69.91	59.12 50.62	15.85 15.90	29.50 29.61	44.07	29.81 29.92	19.26 19.38	36.25 35.73	52.02	35.84
+MOP _{1.5K} +MiHo+NCC	1.24	81.38	113.19	9.26	18.64	32.73	20.21	50.99	68.71	81.29	67.00	8.34	55.94	90.83	0.49	2.31	7.01	3.27	18.49	34.97	50.26	34.57
+MAGSAC _↑ +MAGSAC _↓	33.48 38.51	95.49 96.06	92.76 86.60	46.42 46.71	60.02 60.75	71.38 72.35	59.27 59.93	51.88 50.34	69.27 68.57	81.49 81.21	67.55 66.71	58.41 63.78	69.23 69.44	49.29 42.88	13.37 13.74	26.33 27.39	39.90 41.23	26.54 27.45	17.89 18.66	34.83 35.35	50.56 50.76	34.43
+MOP _{2.0K} +MiHo +MAGSAC ₄	1.26	82.97	99.80	11.45	21.34	35.31	22.70	41.73	58.26	72.39	57.46	8.21	60.25	95.02	0.80	2.71	7.51	3.67	19.48	36.35	52.00	35.95
$+MAGSAC_{\downarrow}$	41.92 49.98	90.72 91.26	64.90 56.04	41.23 42.01	55.66 57.02	68.90 70.21	55.26 56.41	48.25 49.41	65.49 65.41	78.48 78.30	64.08 64.37	49.65 56.86	69.79 69.92	59.19 50.59	15.43 15.79	28.99 29.59	43.61 44.49	29.34 29.96	19.18 19.03	35.77 35.74	51.58 51.91	35.51 35.56
+MOP _{2.0K} +MiHo+NCC +MAGSAC ₁	1.26 33.53	81.37 95.45	112.72 91.72	9.11 44.52	18.54 58.43	32.71 70.33	20.12 57.76	50.88 50.13	68.80 68.02	81.27 80.76	66.98 66.30	8.21 58.49	55.96 69.02	90.79 48.53	0.57 13.59	2.28	6.89	3.25 27.02	19.41 18.16	35.38 35.24	50.22 50.97	35.00 34.79
+MAGSAC↓ +MOPass	38.55	96.00	85.81	46.67	60.62	72.30	59.86	51.19	68.82	81.43	67.15	63.79	69.22	42.32	13.63	27.72	41.50	27.62	18.60	35.16	50.42	34.73
+MAGSAC↑	2.75 42.03	83.81 90.83	99.27 64.81	15.72 41.18	26.86 55.40	41.58 69.26	28.05 55.28	42.88 48.50	59.59 64.64	72.86 77.62	58.44 63.59	17.33 51.02	62.82 70.32	89.36 58.17	1.29 15.36	3.99 29.02	10.66 43.60	5.32 29.32	18.21 19.48	35.51 35.44	51.95 51.13	35.23 35.35
+MAGSAC _↓ +MOP _{0.5K} +NCC	50.02 2.75	91.41 81.75	56.07	42.36 12.70	57.21 22.92	70.57 37.62	56.71 24.41	47.90 50.54	65.35 68.18	77.90 80.62	63.72	57.98 17.33	70.49 58.04	49.80 84.54	15.61	29.34 3.74	43.78 10.00	29.58 4.99	19.10 16.81	35.47 33.05	51.56 48.78	35.38 32.88
+MAGSAC+ +MAGSAC	34.16	95.35 95.91	89.20	44.86	58.61	70.44	57.97	50.66	68.10	81.02	66.59	60.17	69.34	47.26	13.63	26.16	39.36	26.38	19.21	34.84	49.78 49.78 48.95	34.61
+MOP _{1.0K}	39.12	95.91 83.78	83.34 99.30	47.04 14.96	60.75 25.80	72.20 40.23	60.00 27.00	50.39 41.73	68.20 58.33	80.93 72.29	66.51 57.45	65.28 16.64	69.59 62.33	41.25 89.54	13.29	26.39	40.38 10.60	26.69 5.24	17.87	33.93 35.16	48.95 50.96	33.58 34.92
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\bot}$	42.00 49.98	90.80 91.32	64.88 56.08	41.95 42.57	56.34 56.63	69.97 69.94	56.09 56.38	48.59 48.50	66.16 65.10	78.70 77.94	64.49 63.85	50.90 57.84	69.86 70.12	57.81 49.68	15.07 15.27	28.57 28.55	42.71 42.66	28.78 28.82	19.17 18.41	35.13 35.21	51.01 50.76	35.11 34.80
+MOP _{1.0K} +NCC	2.68	81.70	109.03	11.44	21.73	36.70	23.29	50.95	68.31	80.68	66.65	16.64	57.68	85.08	1.08	4.02	9.98	5.03	16.94	33.65	49.46	33.35
$+MAGSAC_{\uparrow}$ $+MAGSAC_{\downarrow}$	34.19 39.14	95.32 95.91	89.00 83.36	45.37 47.48	58.38 60.77	69.89 72.36	57.88 60.20	50.37 51.72	68.21 68.96	81.05 81.15	66.55 67.28	60.11 65.15	69.30 69.49	47.21 41.26	13.88 13.80	26.32 26.27	39.57 39.92	26.59 26.66	18.57 17.58	34.86 34.02	50.36 49.47	34.60 33.69
+MOP _{1.5K} +MAGSAC _↑	2.61 42.02	83.74 90.79	99.25 64.77	15.43 40.95	26.26 54.70	40.91 69.09	27.53 54.91	41.42 47.25	57.92 64.61	72.15 77.73	57.17 63.20	16.44 50.81	62.47 70.00	90.04 58.00	1.19	4.20 29.16	11.02	5.47	19.06 18.75	35.72 35.09	51.63 50.78	35.47 34.87
+MAGSAC↓	50.00	91.35	56.01	41.30	55.86	69.74	55.64	47.25 47.96	64.84	77.73	63.51	57.82	70.26	49.92	15.48	29.12	43.41	29.37 29.34	19.08	35.43	50.78	35.13
$+MOP_{1.5K}+NCC$ $+MAGSAC\uparrow$	2.61 34.15	81.67 95.31	109.09 88.93	12.07 45.29	21.96 59.39	36.91 71.14	23.65 58.61	50.67 51.21	68.13 68.82	80.75 81.35	66.51 67.13	16.44 60.02	57.80 69.55	85.55 47.62	1.13 13.61	4.09 26.88	10.89	5.37 26.99	18.23 19.47	35.07 34.80	50.43 50.15	34.58 34.81
+MAGSAC _↓	39.10	95.88	83.28	46.92	60.65	72.59	60.05	50.44	68.29	81.08	66.60	65.21	69.70	41.57	13.65	26.68	40.08	26.80	17.92	34.10	49.55	33.86
$+MOP_{2.0K} + MAGSAC_{\uparrow}$	2.56 42.00	83.71 90.80	99.28 64.82	14.99 40.99	25.90 55.48	40.14 69.48	27.01 55.32	42.24 47.78	59.29 64.73	72.94 77.92	58.16 63.48	16.18 50.76	62.45 70.05	90.24 58.04	1.27 15.75	4.11 29.61	11.19 43.87	5.52 29.74	19.23 19.22	35.93 35.99	51.76 51.74	35.64 35.65
+MAGSAC _↓ +MOP _{2.0.6} +NCC	50.00	91.35	56.07	41.50	56.06	69.72	55.76	46.92	64.41	77.69	63.01	57.72	70.26	49.87	16.46	30.17	44.32	30.31	18.81	35.37	51.19	35.12
+MAGSAC.	2.56 34.19	81.64 95.28	109.13 88.74	12.42 44.33	22.16 58.53	36.55 70.69	23.71 57.85	50.47 50.59	67.73 68.28	80.38 80.77	66.19 66.55	16.18 59.92	57.74 69.55	85.59 47.92	0.91 13.21	3.58 26.26	10.46 40.14	4.98 26.54	17.35 17.66	33.83 33.55	49.25 49.54	33.48 33.58
$+MAGSAC_{\downarrow}$	39.15	95.85	83.19	45.99	60.40	72.47	59.62	50.70	68.29	81.01	66.66	65.06	69.57	41.66	13.34	26.46	39.93	26.58	17.34	33.64	48.93	33.31