Pipeline	MegaDepth					ScanNet				
	Filtered	Precision	Recall	AUC_L^E	AUC_E^E	Filtered	Precision	Recall	AUC_L^E	AUC_E^E
LoFTR	0.00	82.40	99.91	16.91	58.06	0.00	58.34	**98.98**	2.40	35.86
+AcNe	40.97	85.89	61.97	26.55	44.02	49.95	65.47	56.42	7.38	27.40
+AcNe+MAGSAC↑	61.99	90.45	42.30	36.84	50.21	66.79	69.64	39.29	17.54	27.64
+AcNe+MAGSAC↓	66.85	90.91	36.90	37.17	50.81	71.14	69.76	34.11	17.73	27.41
+AdaLAM	0.00	82.40	99.91	16.91	58.06	0.00	58.34	**98.98**	2.40	35.86
+AdaLAM+MAGSAC↑	41.83	90.63	64.87	54.77	62.81	49.41	69.51	59.31	29.91	35.73
+AdaLAM+MAGSAC↓	41.95	91.26	55.98	56.58	63.34	54.65	69.71	50.83	**30.25**	35.73
+CC	18.34	85.01	85.19	37.09	49.44	26.88	66.68	80.52	13.56	31.23
+CC+MAGSAC↑	48.65	89.91	57.16	45.43	55.68	54.47	70.28	53.30	25.56	31.25
+CC+MAGSAC↓	55.29	90.33	49.91	45.74	56.56	60.66	70.45	46.03	26.10	31.28
+CLNet	19.13	85.53	83.93	21.70	46.95	51.42	67.62	55.61	4.30	24.93
+CLNet+MAGSAC↑	49.63	90.58	55.92	33.78	52.58	64.95	69.98	40.85	12.67	23.47
+CLNet+MAGSAC↓	56.29	91.00	48.60	34.88	53.89	69.55	69.99	35.47	12.48	24.43
+ConvMatch	75.20	86.04	26.58	20.11	30.32	77.09	66.48	29.34	7.07	17.33
+ConvMatch+MAGSAC↑	82.71	87.93	19.30	22.50	31.35	83.54	66.45	21.30	9.24	17.51
+ConvMatch+MAGSAC↓	84.99	88.26	16.79	22.83	32.56	**85.51**	66.57	18.65	9.60	18.09
+DeMatch	62.49	86.41	39.80	22.79	34.28	65.85	67.01	40.07	6.43	20.89
+DeMatch+MAGSAC↑	74.18	89.62	28.25	26.81	37.30	75.38	69.06	29.19	11.06	20.65
+DeMatch+MAGSAC↓	78.45	90.01	24.75	26.24	38.76	80.13	69.04	25.43	11.31	19.97
+FC-GNN	20.40	93.24	98.95	40.81	66.88	36.09	68.03	72.71	11.48	34.22
+FC-GNN+MAGSAC↑	29.38	95.40	90.88	**64.72**	**68.07**	50.54	**71.54**	58.72	28.94	34.33
+FC-GNN+MAGSAC↓	33.13	95.64	86.40	**65.23**	67.19	55.10	**71.73**	53.29	29.19	34.04
+GMS	16.19	82.66	85.96	36.70	54.23	39.37	65.91	67.10	11.42	30.81
+GMS+MAGSAC↑	49.64	87.99	56.04	51.36	59.35	59.27	68.76	47.14	26.46	31.25
+GMS+MAGSAC↓	56.39	88.44	48.60	52.32	59.71	64.82	68.75	40.65	25.66	31.18
+MAGSAC↑	41.83	90.63	64.87	54.77	62.81	49.41	69.51	59.31	29.91	35.73
+MAGSAC↓	41.95	91.26	55.98	56.58	63.34	54.65	69.71	50.83	**30.25**	35.73
+MS²DG-Net	79.50	84.40	21.66	9.56	27.93	70.79	66.04	34.25	1.47	18.20
+MS²DG-Net+MAGSAC↑	86.54	86.33	15.04	26.57	31.35	80.99	70.57	23.48	13.17	18.98
+MS²DG-Net+MAGSAC↓	**88.25**	86.78	13.25	27.16	31.86	83.23	**70.88**	20.62	12.78	18.60
+**NCC**	0.00	71.37	90.26	14.94	51.72	0.00	52.74	93.47	2.17	30.04
+**NCC**+MAGSAC↑	49.39	87.76	59.93	41.92	52.10	62.87	67.90	43.10	22.55	30.68
+**NCC**+MAGSAC↓	55.79	88.36	53.14	41.92	52.66	68.45	68.04	36.68	23.45	30.69
+NCMNet	17.51	85.84	85.88	19.56	47.77	48.58	67.55	58.79	6.77	26.97
+NCMNet+MAGSAC↑	48.55	90.71	57.16	34.37	53.70	62.73	69.67	43.39	15.36	26.68
+NCMNet+MAGSAC↓	55.35	91.20	49.71	35.81	53.03	67.59	69.74	37.69	15.46	26.59
+OANet	85.61	86.10	15.33	13.07	23.33	84.22	64.90	17.77	4.33	13.52
+OANet+MAGSAC↑	86.42	88.89	11.43	16.31	25.69	87.82	66.55	11.60	6.89	11.99
+OANet+MAGSAC↓	**90.86**	88.12	10.07	16.54	26.36	**89.10**	66.58	12.50	6.98	11.89
MOP$_{0.5,K}$+**MiHo**	1.34	83.02	99.71	22.96	58.48	9.20	60.41	**94.53**	3.65	**34.76**
MOP$_{0.5,K}$+**MiHo**+MAGSAC↑	41.94	90.75	64.93	55.80	63.11	49.84	69.82	58.74	29.22	34.94
MOP$_{0.5,K}$+**MiHo**+MAGSAC↓	49.95	91.28	56.08	56.23	64.35	56.96	69.96	50.33	29.56	**36.39**
MOP$_{0.5,K}$+**MiHo**+**NCC**	1.34	81.45	**112.83**	20.24	**68.23**	9.20	56.09	90.35	3.30	34.36
MOP$_{0.5,K}$+**MiHo**+**NCC**+MAGSAC↑	33.52	95.49	91.90	57.16	66.31	58.60	69.12	48.86	27.52	35.31
MOP$_{0.5,K}$+**MiHo**+**NCC**+MAGSAC↓	38.51	**96.09**	86.29	60.02	67.12	63.85	69.27	42.74	27.38	34.53
MOP$_{1.0,K}$+**MiHo**	1.31	82.99	99.67	22.90	57.97	8.66	60.29	94.86	3.74	35.51
MOP$_{1.0,K}$+**MiHo**+MAGSAC↑	41.96	90.72	64.82	54.73	63.13	49.73	69.82	59.02	29.56	35.34
MOP$_{1.0,K}$+**MiHo**+MAGSAC↓	49.96	91.29	56.08	56.31	63.14	56.92	69.94	50.45	29.50	**36.61**
MOP$_{1.0,K}$+**MiHo**+**NCC**	1.31	81.42	**112.97**	20.29	66.24	6.66	56.00	90.58	3.38	34.61
MOP$_{1.0,K}$+**MiHo**+**NCC**+MAGSAC↑	33.52	95.48	92.13	59.05	66.44	58.49	69.28	48.95	27.51	35.63
MOP$_{1.0,K}$+**MiHo**+**NCC**+MAGSAC↓	38.55	**95.01**	86.01	**60.47**	66.77	63.75	69.48	42.79	28.17	34.86
MOP$_{1.5,K}$+**MiHo**	1.24	82.96	99.73	22.90	56.75	8.34	60.23	**95.20**	3.66	34.85
MOP$_{1.5,K}$+**MiHo**+MAGSAC↑	41.89	90.77	64.94	54.88	63.92	49.65	69.79	59.12	29.31	35.84
MOP$_{1.5,K}$+**MiHo**+MAGSAC↓	49.94	91.29	56.07	56.32	63.78	56.89	69.91	50.62	29.92	35.58
MOP$_{1.5,K}$+**MiHo**+**NCC**	1.24	81.38	**113.19**	20.21	67.00	8.34	55.94	90.83	3.27	34.57
MOP$_{1.5,K}$+**MiHo**+**NCC**+MAGSAC↑	33.48	95.49	92.76	59.27	**67.55**	58.71	69.23	49.29	26.54	34.43
MOP$_{1.5,K}$+**MiHo**+**NCC**+MAGSAC↓	38.51	**96.06**	86.60	59.93	66.30	63.74	69.44	42.88	27.45	34.92
MOP$_{2.0,K}$+**MiHo**	1.26	82.97	99.80	22.70	57.46	8.21	60.25	**95.02**	3.67	**36.96**
MOP$_{2.0,K}$+**MiHo**+MAGSAC↑	41.92	90.72	64.90	55.26	64.08	49.65	69.79	59.19	29.34	35.51
MOP$_{2.0,K}$+**MiHo**+MAGSAC↓	49.98	91.26	56.04	56.41	64.37	56.86	69.92	50.59	29.96	35.56
MOP$_{2.0,K}$+**MiHo**+**NCC**	1.26	81.37	**112.72**	20.12	66.98	8.21	55.96	90.79	3.25	35.00
MOP$_{2.0,K}$+**MiHo**+**NCC**+MAGSAC↑	33.53	95.45	91.72	57.76	66.30	58.49	69.02	48.53	27.02	34.79
MOP$_{2.0,K}$+**MiHo**+**NCC**+MAGSAC↓	38.55	**96.00**	85.81	59.86	67.15	63.79	69.22	42.32	27.42	34.79
MOP$_{0.5,K}$	2.75	83.81	99.27	28.05	58.44	17.33	62.82	89.36	5.32	35.23
MOP$_{0.5,K}$+MAGSAC↑	42.03	90.83	64.81	55.28	63.59	51.02	70.32	58.17	29.32	35.35
MOP$_{0.5,K}$+MAGSAC↓	50.02	91.41	56.07	56.71	63.72	57.98	70.49	49.80	29.58	35.38
MOP$_{0.5,K}$+**NCC**	2.75	81.75	**109.03**	24.41	66.45	17.33	58.04	84.54	4.99	32.88
MOP$_{0.5,K}$+**NCC**+MAGSAC↑	34.16	95.35	89.20	57.97	66.59	60.17	69.34	47.26	26.38	34.61
MOP$_{0.5,K}$+**NCC**+MAGSAC↓	39.12	95.91	83.36	60.00	66.51	65.28	69.59	41.25	26.69	33.58
MOP$_{1.0,K}$	2.68	83.78	99.30	27.00	57.45	16.64	62.33	89.54	5.24	34.92
MOP$_{1.0,K}$+MAGSAC↑	42.00	90.80	64.88	56.46	64.49	50.90	69.86	57.81	28.78	35.11
MOP$_{1.0,K}$+MAGSAC↓	49.98	91.32	56.08	56.38	63.85	57.84	70.12	49.68	28.82	34.80
MOP$_{1.0,K}$+**NCC**	2.68	81.70	**109.03**	23.29	66.65	16.64	57.68	85.08	5.03	33.35
MOP$_{1.0,K}$+**NCC**+MAGSAC↑	34.19	95.32	89.00	57.88	66.55	60.11	69.30	47.21	26.59	34.60
MOP$_{1.0,K}$+**NCC**+MAGSAC↓	39.14	95.91	83.36	60.20	67.28	65.15	69.49	41.25	26.66	33.69
MOP$_{1.5,K}$	2.61	83.73	99.25	27.53	57.17	16.44	62.47	90.04	5.47	35.32
MOP$_{1.5,K}$+MAGSAC↑	42.02	90.79	64.77	54.91	63.30	50.93	70.06	58.00	29.37	34.87
MOP$_{1.5,K}$+MAGSAC↓	50.00	91.35	56.01	55.64	63.51	57.82	70.06	49.92	29.34	35.13
MOP$_{1.5,K}$+**NCC**	2.61	81.67	**109.09**	23.65	66.51	16.44	57.80	85.55	5.37	34.58
MOP$_{1.5,K}$+**NCC**+MAGSAC↑	34.15	95.31	88.93	58.61	67.13	60.02	69.55	47.62	26.99	34.81
MOP$_{1.5,K}$+**NCC**+MAGSAC↓	39.10	95.88	83.28	60.05	66.60	65.21	69.70	41.57	26.80	33.86
MOP$_{2.0,K}$	2.56	83.71	99.28	28.10	58.16	16.18	62.45	90.24	5.52	35.64
MOP$_{2.0,K}$+MAGSAC↑	42.00	90.80	64.82	55.32	63.48	50.76	70.05	58.04	29.75	34.65
MOP$_{2.0,K}$+MAGSAC↓	50.00	91.35	56.07	55.76	63.01	57.72	70.26	49.87	**30.31**	35.12
MOP$_{2.0,K}$+**NCC**	2.56	81.64	**109.13**	23.71	66.19	16.18	57.74	85.59	4.98	33.48
MOP$_{2.0,K}$+**NCC**+MAGSAC↑	34.19	95.28	88.74	57.85	66.55	59.92	69.55	47.92	26.54	33.58
MOP$_{2.0,K}$+**NCC**+MAGSAC↓	39.15	95.85	83.19	59.62	66.66	65.06	69.57	41.66	26.58	33.31