Pipeline	MegaDepth												ScanNet											
	Filtered	+Runtime	Precision	Recall	$AUC^F_{@5}$	$AUC^E_{@5}$	$AUC^E_{@10}$	$AUC^E_{@20}$	$AUC^P_{@5}$	$AUC^P_{@10}$	$AUC^P_{@20}$	AUC^P_z	Filtered	+Runtime	Precision	Recall	$AUC^F_{@5}$	$AUC^E_{@5}$	$AUC^E_{@10}$	$AUC^E_{@20}$	$AUC^P_{@5}$	$AUC^P_{@10}$	$AUC^P_{@20}$	AUC^P_z
SIFT+NNR	0.00	0.00	53.92	**99.99**	0.11	0.19	0.75	0.35	46.30	63.50	76.97	62.26	0.00	0.00	24.83	**99.19**	0.00	0.10	0.48	0.19	8.83	19.70	32.52	20.35
+MAGSAC_t	50.73	6.08	93.13	95.12	33.02	45.96	57.85	45.61	45.23	64.51	78.42	62.72	78.54	56.93	55.20	46.06	5.93	14.28	24.77	14.99	10.77	22.27	35.12	22.72
+MAGSAC_l	54.16	7.05	93.72	79.31	35.07	48.12	60.06	47.75	46.29	64.74	77.96	63.00	81.20	62.56	55.13	40.06	6.31	14.33	24.88	15.17	10.91	22.33	34.66	22.63
+AcNe	47.62	3.45	92.54	90.85	12.73	28.08	47.64	29.48	46.58	65.19	78.99	63.59	67.86	5.88	55.02	70.85	3.15	10.94	24.98	13.02	12.49	**26.10**	**40.82**	**26.47**
+MAGSAC_t	53.26	4.04	96.38	83.41	39.43	55.32	69.98	54.91	47.27	65.28	79.02	63.86	80.20	19.74	60.44	47.25	7.96	18.00	**31.28**	19.08	12.65	**30.95**	**26.08**
+MAGSAC_l	56.21	4.17	96.80	78.33	39.46	55.72	70.42	55.34	43.82	63.61	78.16	61.87	82.44	23.47	60.41	41.59	8.27	18.92	**32.38**	19.84	12.29	24.96	39.30	25.58
+AdaLAM	**82.56**	0.78	93.44	27.42	7.64	14.75	27.12	16.50	37.77	54.58	68.59	53.65	**92.54**	1.42	53.27	15.01	1.02	2.77	6.11	3.30	6.40	13.73	22.79	14.31
+MAGSAC_t	**83.03**	1.21	92.29	26.13	33.41	47.09	60.63	47.05	36.06	53.19	66.99	52.08	**94.09**	2.29	46.65	12.11	4.69	10.27	17.84	10.93	5.40	12.31	21.38	13.03
+MAGSAC_l	**84.22**	1.19	92.53	25.25	33.39	46.84	60.62	46.95	35.33	52.27	66.81	51.47	**94.54**	2.31	46.67	11.21	5.10	10.95	18.37	11.47	6.58	13.67	22.63	14.29
+CC	45.92	410.25	92.27	89.48	13.99	24.45	37.80	25.42	44.34	62.09	75.45	60.63	40.75	306.18	51.34	**80.95**	1.83	4.66	9.77	5.42	8.70	18.89	30.77	19.45
+MAGSAC_t	53.76	411.38	96.23	80.73	37.74	52.70	66.78	52.41	44.24	62.36	76.12	60.91	81.65	336.99	58.58	40.46	5.25	11.67	20.40	12.44	8.74	18.59	30.82	19.38
+MAGSAC_l	56.71	411.51	96.66	75.81	38.54	53.14	67.33	53.00	43.35	61.61	75.62	60.19	83.72	337.91	58.57	35.76	5.39	11.74	20.68	12.61	8.73	18.86	31.05	19.54
+CLNet	48.44	10.78	91.36	88.00	3.09	6.91	16.55	8.85	40.97	60.35	75.36	58.89	77.43	13.68	57.74	52.39	0.47	2.16	6.81	3.14	9.04	19.84	32.09	20.32
+MAGSAC_t	55.27	11.39	96.13	79.18	27.94	42.25	58.04	42.74	38.46	59.18	73.88	56.79	83.73	14.92	60.98	39.26	4.32	10.17	19.92	11.47	8.43	19.07	31.89	19.80
+MAGSAC_l	58.21	11.51	96.42	74.21	28.64	43.05	59.18	43.62	39.87	59.55	75.00	58.14	85.55	15.18	60.69	34.66	4.35	10.07	19.56	11.33	9.07	19.44	31.53	20.02
+ConvMatch	56.91	25.10	90.02	79.68	16.08	28.14	43.94	29.07	41.14	59.35	73.49	58.09	69.76	77.17	56.64	69.88	2.07	6.48	16.45	8.34	12.01	24.63	38.01	24.86
+MAGSAC_t	62.34	25.76	93.59	71.70	32.80	47.32	61.06	47.06	42.08	59.64	73.54	58.42	81.19	88.71	61.87	46.43	7.64	17.39	29.31	18.11	11.50	24.33	38.16	24.66
+MAGSAC_l	64.73	25.92	93.97	67.25	33.49	47.40	61.27	47.39	41.63	59.77	73.91	58.44	83.33	91.66	61.60	41.06	7.78	17.46	29.39	18.21	11.07	23.95	37.89	24.31
+DeMatch	52.50	40.42	91.49	83.88	14.78	25.25	38.92	26.32	40.93	60.73	76.16	59.27	70.29	129.40	55.08	67.41	1.78	5.04	13.31	6.71	10.04	22.49	36.63	23.05
+MAGSAC_t	58.50	41.17	96.01	75.48	30.26	44.01	59.49	44.59	41.19	59.97	74.99	58.71	81.68	141.64	60.69	44.51	6.16	14.71	25.57	15.48	10.72	23.18	36.49	23.47
+MAGSAC_l	61.09	41.37	96.46	70.94	31.19	45.29	60.36	45.61	41.18	60.88	75.55	59.30	83.77	144.55	60.63	39.21	6.34	15.14	26.25	15.91	9.90	21.84	35.45	22.40
+FC-GNN	50.09	8.28	95.31	85.43	15.72	24.91	38.87	26.50	48.23	65.95	78.80	64.33	79.85	10.68	**63.72**	47.64	4.19	10.42	19.18	11.26	12.01	24.37	38.30	24.89
+MAGSAC_t	51.75	8.66	**97.09**	83.75	**47.35**	**61.38**	**73.34**	**60.05**	47.50	65.45	78.49	63.81	81.73	11.86	**64.43**	43.67	**9.65**	**19.75**	**31.44**	**20.35**	12.24	24.66	38.38	25.09
+MAGSAC_l	52.51	8.70	**97.20**	82.43	**47.12**	**61.38**	**73.28**	**60.59**	47.16	65.20	78.43	63.60	82.55	11.70	**64.99**	41.70	**9.60**	**19.54**	31.12	**20.08**	12.04	25.31	38.86	25.40
+GMS	57.35	21.60	86.98	65.58	5.10	10.75	22.47	12.77	37.04	53.51	66.38	52.31	87.17	63.52	59.19	25.55	0.99	3.30	7.36	3.88	4.41	10.53	18.97	11.40
+MAGSAC_t	62.35	22.08	88.86	59.80	36.56	48.66	60.14	48.45	35.61	52.32	65.44	51.12	89.96	64.19	47.93	20.55	3.16	7.98	13.90	8.34	4.29	10.54	18.83	11.22
+MAGSAC_l	64.63	22.18	89.16	56.37	37.20	49.16	60.80	49.02	37.35	53.89	66.66	52.63	90.91	64.48	47.92	16.62	2.95	7.57	13.54	8.04	4.23	10.41	18.94	11.19
+MS²DG-Net	65.89	14.14	81.13	57.55	0.08	0.47	2.32	0.96	36.29	53.60	67.96	52.62	68.23	39.75	43.13	57.12	0.00	0.17	0.83	0.33	8.65	18.88	30.45	19.33
+MAGSAC_t	72.85	14.89	91.36	51.69	29.38	43.00	56.55	42.98	34.93	51.88	66.45	51.08	85.37	63.40	56.58	35.26	5.24	11.75	20.69	12.56	8.82	19.00	31.25	19.69
+MAGSAC_l	74.45	15.07	91.80	48.72	29.92	43.16	56.64	43.24	35.12	52.73	67.78	51.88	86.90	68.20	56.47	31.61	5.47	11.61	20.13	12.40	8.34	18.03	29.66	18.68
+NCC	0.00	91.37	53.09	**97.88**	0.11	0.19	0.74	0.35	44.66	61.89	75.50	60.68	0.00	174.74	24.54	**100.29**	0.00	0.10	0.47	0.19	10.18	21.17	32.98	21.44
+MAGSAC_t	51.39	97.74	92.48	82.89	30.83	42.77	54.19	42.60	44.69	63.21	77.48	61.79	78.72	232.12	54.97	46.19	5.77	13.07	23.07	13.97	10.64	22.42	35.60	22.88
+MAGSAC_l	54.41	98.58	93.13	77.91	31.92	44.06	55.41	43.80	43.18	62.07	76.78	60.68	81.20	237.14	55.11	40.69	5.87	13.29	23.54	14.24	10.38	21.91	34.47	22.25
+NCMNet	48.02	32.20	91.08	88.31	4.03	8.75	18.93	10.57	41.33	61.17	76.33	59.61	76.49	96.93	57.99	54.66	1.42	3.98	10.40	5.27	9.91	21.05	33.56	21.51
+MAGSAC_t	55.02	32.79	95.46	79.26	30.59	44.43	58.42	44.48	39.97	59.57	75.11	54.22	82.91	98.08	61.02	40.65	4.29	11.15	20.90	12.11	9.43	20.77	33.69	21.30
+MAGSAC_l	57.95	32.93	96.26	74.26	30.96	44.88	59.48	45.07	40.04	59.14	74.90	58.22	84.77	98.48	60.88	36.13	4.79	11.15	20.21	12.38	8.85	19.43	32.38	20.22
+OANet	66.72	10.93	94.73	63.21	15.00	26.42	40.02	27.15	37.07	56.26	72.20	55.18	80.63	31.58	60.42	50.20	3.33	9.56	20.06	10.98	10.49	22.24	35.72	22.82
+MAGSAC_t	69.12	11.45	96.60	59.31	25.78	40.23	56.30	40.77	35.48	55.52	72.35	54.42	85.12	33.10	62.45	38.62	5.86	14.72	26.58	15.72	11.16	23.95	37.11	24.07
+MAGSAC_l	70.83	11.63	**97.01**	56.17	26.09	40.89	57.32	41.43	36.86	55.66	71.51	55.66	86.61	33.67	62.49	34.55	6.10	14.34	26.21	15.55	10.33	21.99	35.34	22.55
+MOP_{0.5K}+MiHo	40.99	165.29	86.84	94.39	1.60	4.22	10.55	5.46	**50.22**	**67.35**	79.88	**65.81**	62.61	432.25	46.07	70.76	0.15	0.67	3.04	1.29	11.01	24.67	38.26	24.90
+MAGSAC_t	51.61	165.93	95.60	84.33	42.56	55.94	68.78	55.76	49.58	66.13	78.28	64.66	80.23	439.69	59.20	46.63	8.51	17.34	28.11	17.99	11.77	23.85	37.07	24.23
+MAGSAC_l	54.72	166.04	96.05	79.18	44.04	57.81	70.44	57.43	48.15	65.78	78.36	64.09	82.56	445.69	59.21	40.95	8.31	18.09	28.79	18.56	12.18	24.35	37.42	24.65
+MOP_{0.5K}+MiHo+NCC	40.99	233.78	85.87	93.44	1.43	4.02	10.09	5.18	47.26	64.20	77.69	63.05	62.61	546.54	45.76	71.09	0.22	0.69	3.14	1.35	11.66	24.26	37.15	24.36
+MAGSAC_t	51.03	234.39	95.40	84.84	41.13	54.90	67.33	54.48	47.80	65.12	78.30	63.74	79.50	554.24	59.10	48.24	8.45	17.91	28.64	18.34	11.85	23.96	37.48	24.39
+MAGSAC_l	53.07	234.46	95.77	81.34	41.65	55.53	68.05	55.08	47.22	65.09	78.20	63.50	81.41	559.68	58.98	43.43	8.05	17.36	28.59	18.09	11.28	23.63	37.42	24.11
+MOP_{1.0K}+MiHo	40.16	277.38	85.97	95.06	1.60	4.10	9.86	5.19	48.18	66.10	78.90	64.80	61.10	759.57	45.38	72.75	0.12	0.50	2.57	1.06	11.83	25.18	38.91	25.33
+MAGSAC_t	51.49	278.01	95.62	84.83	42.84	56.67	69.50	56.54	47.66	65.10	78.79	64.20	78.98	769.75	59.30	47.36	7.87	16.74	27.75	17.45	12.33	24.51	37.51	24.60
+MAGSAC_l	54.65	278.19	96.14	79.59	44.10	57.99	70.50	57.53	48.12	65.81	78.70	64.21	82.35	765.94	59.21	41.59	8.53	17.57	28.83	18.30	11.88	23.16	36.50	23.65
+MOP_{1.5K}+MiHo	39.76	385.14	85.77	**95.68**	1.53	3.60	9.41	4.84	**50.34**	**67.62**	**80.32**	**06.03**	60.17	1080.95	45.06	73.89	0.10	0.55	2.96	1.20	**12.82**	25.31	38.91	25.68
+MAGSAC_t	51.47	385.78	95.75	85.12	40.99	55.15	68.18	54.77	49.63	67.24	79.94	65.60	79.86	1091.74	59.66	47.81	8.31	18.87	30.22	19.30	**12.89**	**25.99**	39.04	**25.97**
+MAGSAC_l	54.62	385.90	96.25	79.99	43.02	56.66	69.72	56.33	48.37	66.59	79.03	64.59	82.20	1098.34	59.75	42.19	9.15	**19.21**	30.33	19.56	12.67	**28.75**	38.75	25.72
+MOP_{1.5K}+MiHo+NCC	39.76	454.80	84.94	94.84	1.42	3.28	8.55	4.52	47.55	65.88	79.52	64.42	60.17	1199.11	44.79	74.20	0.12	0.48	2.84	1.14	12.09	24.25	37.58	24.61
+MAGSAC_t	50.80	455.42	95.60	85.93	39.75	53.09	65.72	52.85	48.09	66.29	79.32	64.56	78.97	1210.01	59.80	48.43	8.03	17.89	29.44	18.49	11.87	24.59	37.54	24.66
+MAGSAC_l	52.84	455.49	96.07	82.40	40.33	53.47	67.05	54.11	47.24	65.24	79.13	64.01	80.83	1216.40	59.82	44.22	8.43	17.97	29.54	18.45	11.60	24.56	37.57	24.67
+MOP_{2.0K}+MiHo	39.47	506.86	85.41	**95.84**	1.30	2.81	7.95	4.02	**50.38**	**67.36**	79.87	**65.57**	59.64	1585.44	44.60	74.31	0.07	0.46	2.56	1.03	11.83	24.90	38.74	25.16
+MAGSAC_t	51.37	507.53	95.75	85.33	42.38	55.75	68.31	55.48	49.33	67.18	**80.00**	65.50	79.81	1597.17	59.77	47.99	8.20	17.72	28.01	17.98	12.39	24.95	38.55	25.30
+MAGSAC_l	54.55	507.64	96.34	80.02	43.11	56.76	69.75	56.54	47.85	65.99	79.05	64.29	82.19	1604.14	59.62	42.21	8.89	18.16	29.35	18.80	12.19	24.42	37.98	24.86
+MOP_{2.0K}+MiHo+NCC	39.47	**887.24**	84.57	94.97	1.15	2.55	7.35	3.69	48.94	67.06	**80.80**	66.53	59.64	**1761.66**	44.45	74.87	0.07	0.43	2.55	1.02	**13.08**	25.33	39.05	25.82
+MAGSAC_t	50.73	**887.88**	95.64	86.06	40.76	54.01	66.70	53.82	47.56	65.56	79.02	64.05	79.00	**1763.70**	59.25	49.46	8.02	17.42	28.31	17.92	12.47	25.08	38.20	25.29
+MAGSAC_l	52.78	**887.98**	96.02	82.51	42.72	55.71	67.79	55.41	48.33	66.16	79.47	64.65	80.92	**1770.03**	59.27	44.63	8.20	17.53	28.79	18.17	11.47	23.80	37.40	24.16
+MOP_{0.5K}	44.87	126.80	89.73	90.19	4.16	9.43	19.06	10.88	45.11	62.78	75.65	61.18	72.05	256.07	51.19	58.43	0.65	2.21	6.24	3.04	10.56	22.59	35.30	22.82
+MAGSAC_t	52.43	127.38	94.11	82.12	41.95	55.78	68.56	55.70	46.79	64.67	77.24	62.90	81.25	265.35	57.31	36.57	7.75	16.08	25.64	16.56	10.54	21.37	34.11	22.01
+MAGSAC_l	55.50	127.48	94.91	76.53	43.21	56.33	68.75	56.10	46.23	63.67	77.17	62.31	83.15	260.99	57.31	36.67	8.11	16.73	27.10	17.31	10.79	22.43	34.51	22.54
+MOP_{0.5K}+NCC	44.87	193.32	88.78	89.44	3.17	7.96	17.47	9.53	43.50	61.60	75.08	60.06	72.05	350.90	50.76	58.64	0.63	1.84	5.49	2.65	11.16	23.04	35.38	23.35
+MAGSAC_t	51.85	193.89	94.36	82.28	40.00	54.42	67.46	53.96	45.99	64.32	76.18	61.77	80.22	352.41	57.14	43.29	7.30	16.61	26.30	16.74	10.63	22.16	34.72	22.59
+MAGSAC_l	53.76	193.97	94.85	79.05	41.35	55.25	68.18	54.93	45.14	64.02	75.72	61.16	82.85	353.50	57.17	39.29	7.95	16.87	26.78	17.20	10.42	22.41	34.30	22.71
+MOP_{1.0K}	44.22	185.81	89.71	91.54	4.06	8.48	17.76	10.10	48.15	65.30	77.60	63.68	71.35	412.59	51.58	60.29	0.72	1.89	5.80	2.80	10.85	22.27	35.02	22.71
+MAGSAC_t	52.13	186.41	94.90	82.60	43.05	56.46	69.14	56.21	47.61	65.02	77.82	63.48	81.80	414.29	57.92	42.56	8.02	17.02	27.41	17.57	11.53	23.34	36.11	23.66
+MAGSAC_l	55.26	186.51	95.30	77.47	44.54	56.23	69.30	56.02	45.99	64.49	77.37	62.47	83.90	415.79	58.03	37.59	8.46	17.83	28.21	18.34	11.28	23.29	36.08	23.52
+MOP_{1.0K}+NCC	44.22	253.00	88.78	90.75	3.35	7.28	16.21	8.95	44.93	63.10	76.51	61.52	71.35	509.46	51.13	60.09	0.76	1.81	5.68	2.75	11.65	23.55	35.86	23.74
+MAGSAC_t	51.51	253.59	94.85	83.39	40.18	54.38	67.33	54.44	45.32	63.15	76.91	62.18	80.97	511.14	57.61	44.22	8.07	16.92	26.69	17.10	11.20	23.43	36.16	23.82
+MAGSAC_l	53.47	253.66	95.14	80.42	41.66	55.44	68.06	55.44	44.45	62.75	76.40	61.21	82.49	512.48	57.60	40.35	8.36	17.11	27.14	17.47	11.31	23.49	36.15	23.84
+MOP_{1.5K}	43.99	240.94	89.85	92.21	4.32	8.91	18.00	10.11	46.85	64.12	77.12	62.70	71.14	554.80	52.13	61.15	0.75	2.63	6.79	3.39	11.53	23.61	35.87	23.87
+MAGSAC_t	51.99	241.52	95.05	83.20	43.58	56.82	69.59	56.79	48.00	65.25	77.86	63.78	81.66	556.67	58.30	43.05	8.30	17.63	28.01	17.98	11.24	23.09	35.88	23.48
+MAGSAC_l	55.09	241.61	95.53	78.10	43.51	56.96	70.19	56.95	47.33	64.80	77.59	63.17	83.80	558.16	58.38	38.00	8.46	18.09	28.67	18.42	11.47	23.08	35.89	23.48
+MOP_{1.5K}+NCC	43.99	308.86	89.00	91.47	4.12	8.15	16.68	9.65	45.83	63.99	77.25	62.36	71.14	652.24	51.71	60.94	0.64	2.31	6.67	3.20	11.13	23.35	35.85	23.44
+MAGSAC_t	51.33	308.86	95.07	84.06	41.05	55.11	68.53	55.00	46.32	64.24	77.27	62.01	80.83	654.11	58.39	44.96	8.17	17.33	28.13	17.88	12.69	24.75	37.55	25.00
+MAGSAC_l	53.34	308.94	95.38	80.66	42.24	56.36	69.23	55.94	45.64	64.92	78.01	63.20	82.52	657.15	58.41	41.35	8.29	17.59	28.61	18.39	**9.33**	19.02	31.94	24.24
+MOP_{2.0K}	43.80	303.88	89.72	92.58	3.97	8.56	18.00	10.18	45.72	63.98	77.30	62.33	70.90	724.78	52.18	61.58	0.61	2.04	6.34	3.12	10.77	23.27	36.92	23.66
+MAGSAC_t	51.91	304.46	95.12	83.51	43.61	56.56	69.30	56.53	48.32	66.30	78.80	64.07	81.18	726.56	58.64	43.36	8.35	17.47	27.44	17.76	11.46	23.89	36.95	24.09
+MAGSAC_l	55.00	304.56	95.56	78.42	**44.39**	**58.26**	**70.78**	**57.81**	47.87	65.35	78.15	63.79	83.78	728.04	58.68	38.05	8.45	17.71	28.09	18.06	11.19	23.23	36.05	23.49
+MOP_{2.0K}+NCC	43.80	381.52	88.83	91.80	3.39	7.57	16.62	9.20	47.12	65.13	78.30	63.51	70.90	860.01	51.81	61.44	0.56	2.15	6.12	3.09	11.61	24.04	36.78	24.14
+MAGSAC_t	51.58	382.06	95.05	84.28	41.96	55.61	68.05	56.19	46.85	64.65	78.76	62.98	80.73	861.81	58.57	44.45	8.26	17.91	28.63	17.98	12.36	24.37	37.04	24.53
+MAGSAC_l	53.27	382.13	95.35	80.84	41.58	55.76	68.54	55.29	45.31	64.00	77.83	62.39	82.43	862.92	58.79	41.20	**9.33**	18.33	29.40	19.00	11.94	24.27	37.30	24.19