Pineline	Filtered	Precision	Recall	$AUC_{0s}^{F}$	$AUC_{010}^F$	MegaDept $AUC_{0:20}^F$	$AUC_Z^F$	$AUC_{0s}^{E}$	$AUC_{010}^{E}$	$AUC_{020}^{E}$	$AUC_Z^E$	Filtered	Precision	Recall	$AUC_{05}^{F}$	$AUC_{010}^F$	ScanNet AUC <sup>F</sup> <sub>@20</sub>	$AUC_{\perp}^{F}$	$AUC_{0s}^{E}$	$AUC_{010}^E$	$AUC_{020}^{E}$	$\mathrm{AUC}_{\angle}^{E}$
DeDoDe v2	0.00	68.37	99.98	0.30	1.11	3.65	1.69	52.70	67.97	78.85	66.51	0.00	45.31	99.37	0.00	0.13	1.05	0.39	11.70	23.01	34.80	23.17
+MAGSAC <sub>↓</sub>	41.74 47.14 36.09	92.09 92.59 88.48	79.44 72.34 83.75	43.26 43.46 12.98	56.07 56.75 25.68	67.19 67.89	55.51 56.03 26.83	52.25 51.50 46.84	67.51 67.24	78.54 78.32	66.10 65.69	55.59 60.93 50.19	56.52 56.16 55.16	49.24 42.12 56.79	8.13 8.59 1.54	17.51 17.31 5.55	27.76 27.27	17.80 17.72 6.97	12.86 11.81	24.62 23.39 22.30	36.73 35.62 35.86	24.74 23.61 23.10
+MAGSAC↑ +MAGSAC↓	49.04 53.36	94.28 <b>94.87</b>	71.07 65.41	39.41 40.34	53.67 54.25	66.96 67.66	53.35 54.08	44.75 44.92	63.26 62.85	76.51 76.28	61.51 61.35	64.57 68.44	57.71 57.59	39.70 34.31	5.66 5.56	13.91 13.64	24.83 24.72	14.80 14.64	10.48 10.17	21.30 21.15	34.23 34.13	22.00 21.82
	0.00 41.74 47.14	68.37 92.09 92.59	99.98 79.44 72.34	0.30 43.26 43.46	1.11 56.07 56.75	3.65 67.19 67.89	1.69 55.51 56.03	52.70 52.25 51.50	67.97 67.51 67.24	78.85 78.54 78.32	66.51 66.10 65.69	0.00 55.59 60.93	45.31 56.52 56.16	99.37 49.24 42.12	0.00 8.13 8.59	0.13 17.51 17.31	1.05 27.76 27.27	0.39 17.80 17.72	11.70 12.86 11.81	23.01 24.62 23.39	34.80 36.73 35.62	23.17 24.74 23.61
+CC +MAGSAC↑	28.17 44.52 49.26	87.91 94.28 94.80	91.55 76.42 70.25	16.86 48.95	27.75 61.83 <b>62.68</b>	40.74 72.29 72.80	28.45 61.03 61.87	50.67 51.36 50.35	66.37 66.81 66.34	77.99 77.97 77.81	65.01 65.38 64.83	32.01 59.06 63.63	51.25 55.73 55.25	73.56 44.92 38.72	0.30 7.01 7.16	1.18 14.50 15.26	4.13 23.68 25.05	1.87 15.06 15.82	11.07 11.42 11.26	21.55 22.00 22.04	32.95 33.64 33.85	21.86 22.35 22.38
+CLNet +MAGSAC↑	37.82 50.62 54.78	86.87 92.49	79.15 66.85 61.63	2.54 31.58 32.57	7.16 45.25 46.31	17.69 59.17 60.39	9.13 45.33 46.42	43.33 42.73 42.96	61.17 60.31 60.06	74.07 73.72 73.11	59.52 58.92 58.71	60.31 71.51 74.79	59.54 61.53 61.49	49.81 35.54 30.97	0.48 3.53 3.80	1.62 8.29 8.95	4.92 17.00 17.73	2.34 9.60 10.16	7.90 7.11 7.64	17.76 16.81 16.47	30.33 29.17 28.20	18.66 17.70 17.43
+ConvMatch +MAGSAC↑	66.65 72.73	85.66 87.62	49.33 42.30	13.92 25.47	23.82 36.84	36.48 49.34	24.74 37.22	32.26 32.91	48.13 48.12	60.85 61.12	47.08 47.38	67.05 76.69	64.16 65.78	47.32 32.68	2.27 4.79	6.95 11.73	16.66 22.40	8.63 12.98	8.98 9.62	19.56 20.82	32.86 34.25	20.46 21.56
+DeMatch +MAGSAC↑	75.01 51.79 60.95	88.06 88.06 92.69	54.90	25.48 13.55 28.27	37.01 24.25 42.69	38.48 57.36	37.28 25.43 42.77	32.96 39.17 37.37	47.47 57.24 56.14	71.21 70.82	46.90 55.87 54.78	79.45 62.80 73.38	65.83 61.34 63.08	28.30 49.52 34.21	4.79 1.49 3.66	11.53 4.61 9.73	22.08 11.63 20.32	5.91 11.24	8.92 9.12 8.41	19.96 19.91 18.94	33.12 33.19 31.91	20.67 20.74 19.75
+FC-GNN	64.19 35.45	93.16 88.38	50.57 84.77	29.67	44.16 5.26	58.17 11.39	6.42	39.04 54.47	56.82 70.06	71.30 <b>80.45</b>	55.72 68.33	76.43 46.49	63.15 54.35	29.77 62.97	3.40 0.13	10.09 0.92	20.70	11.40	8.81 14.23	19.36 27.98	32.41 41.42	20.19 27.88
+MAGSAC <sub>↓</sub>	41.79 43.42	94.77 <b>95.07</b>	80.90 78.82	50.47 51.22	62.78 64.10	73.48 74.72	62.24 63.34	53.89 52.98	69.22 68.67	79.70 79.61	67.61 67.09	62.72 65.42	62.24 62.16	48.16 44.26	9.89 10.43	19.75 20.78	31.57 32.23	20.40 21.14	13.20 13.85	26.55 27.12	40.56 40.97	26.77 27.32
+MAGSAC <sub>↑</sub>	34.72 49.52 53.82	84.36 92.10 92.60	79.85 67.14 61.76	11.36 49.02 49.29	20.26 62.02 62.22	32.50 72.05 72.09	21.37 61.03 61.20	49.93 51.57 49.48	65.07 66.69 65.09	75.85 77.13 76.07	63.62 65.13 63.55	34.53 61.43 65.88	51.60 56.39 55.83	71.56 42.84 36.71	7.11 7.04	1.00 14.87 14.97	4.01 24.58 24.75	1.73 15.52 15.59	9.29 9.84	21.77 20.08 20.67	33.68 32.25 33.00	22.09 20.54 21.17
+MAGSAC <sub>↑</sub>	72.95 <b>79.80</b> <b>81.38</b>	83.11 91.12 91.66	36.48 30.58 28.33	0.21 30.74 30.23	0.74 44.82 44.55	3.32 58.34 58.58	1.42 44.64 44.45	32.51 30.79 32.00	48.45 46.05 47.18	63.05 60.35 61.93	48.01 45.73 47.04	70.26 80.70 <b>82.54</b>	54.24 57.09 56.64	35.21 21.92 19.29	0.00 2.06 2.48	0.07 5.95 6.20	0.47 13.27 13.13	0.18 7.09 7.27	4.55 4.83 4.39	11.07 10.49 10.20	20.35 19.80 18.92	11.99 11.70 11.17
	0.00 52.70 57.34	60.62 85.47 86.11	84.79 59.26 53.90	0.34 32.07 32.90	1.15 43.88 44.83	3.66 55.38 56.42	1.71 43.78 44.72	43.37 42.25 40.66	57.56 56.26 55.83	69.25 67.85 67.75	56.72 55.46 54.75	0.00 56.57 61.01	43.88 55.69 55.36	97.78 47.45 41.71	0.00 6.89 6.91	0.12 14.30 14.66	1.04 24.37 24.98	0.39 15.19 15.52	11.24 11.48 10.16	22.30 22.72 21.72	33.90 34.76 34.26	22.48 22.99 22.04
+NCMNet +MAGSAC↑	36.94 49.77 54.00	87.82 93.58	81.53 69.06 63.56	2.37 34.33 34.23	6.41 47.39 48.05	16.78 61.12 61.78	8.52 47.61 48.02	43.18 44.12 44.17	61.31 61.84 61.81	74.25 74.71 74.88	59.58 60.22 60.29	60.47 71.72 75.21	61.32 63.54 63.45	51.30 36.99 32.00	1.25 4.93 4.62	3.40 10.84 10.69	8.09 19.85 20.09	4.24 11.87 11.80	9.84 9.10 9.10	20.09 19.24 19.72	32.72 32.47 33.06	20.88 20.27 20.63
+OANet +MAGSAC <sub>↑</sub>	71.52 76.77	87.75 92.71	38.12 32.89	3.58 22.34	9.51 35.77	19.69 50.36	10.93 36.16	34.14 31.52	50.95 49.30	65.74 64.60	50.28 48.47	79.61 83.58	49.18 50.05	19.61 14.70	0.51 1.26	1.62 4.37	4.98 10.36	2.37 5.33	3.35 2.99	8.84 8.75	16.97 16.94	9.72 9.56
+MOP <sub>0.5K</sub> +MiHo	78.65 10.96 41.98	74.40	30.33 98.76	0.59	36.81	50.90	2.38 56.93	32.45 53.75 51.47	49.68	65.11 79.76	49.08 67.55	84.87 8.15 55.93	49.98 47.28	12.95 95.52 49.62	0.00	0.38	9.61	0.78 18.45	3.33 12.04 12.32	8.71 23.51	17.04 35.24	9.69
+MAGSAC <sub>↓</sub>	47.30	92.67 93.42	79.48 72.69	44.49 45.54	57.74 58.71	68.56 69.55	57.93	51.64	67.42 67.38	78.70 78.60	65.87 65.87	61.18	56.89 56.45	49.62 42.37	8.62 8.21	18.01 17.38	28.71 27.64	17.74	12.64	24.16 24.15	36.25 36.98	24.24 24.59
+MAGSAC↑ +MAGSAC↓	10.96 44.17 47.60	71.37 93.38 93.94	94.82 77.44 73.02	0.58 41.53 43.32	1.51 54.49 56.90	5.14 66.29 68.46	2.41 54.10 56.23	51.68 51.33 51.13	67.53 67.42 67.27	78.97 79.09 78.57	66.06 65.95 65.66	8.15 54.92 59.08	46.37 56.95 56.75	95.16 50.94 45.33	0.00 7.73 8.18	0.39 16.57 17.32	1.95 27.27 28.04	0.78 17.19 17.84	11.37 13.11 13.49	23.04 25.43 26.06	35.88 38.00 37.99	23.43 25.52 25.85
+MAGSAC <sub>↑</sub>	10.32 41.92 47.26	74.00 92.62 93.23	99.03 79.64 72.71	0.48 44.99 46.35	1.54 58.00 59.53	4.91 68.88 70.29	2.31 57.29 58.72	51.89 52.03 51.77	67.83 67.39 67.72	79.10 78.94 79.01	66.27 66.12 66.17	7.66 55.99 61.14	47.16 56.87 56.56	95.86 49.45 42.54	0.00 7.89 8.50	0.21 16.83 17.43	1.65 27.21 27.82	0.62 17.31 17.92	12.34 12.10 12.49	23.64 24.73 24.26	35.00 37.32 36.63	23.66 24.72 24.46
+MAGSAC↑	10.32 44.11 47.58	71.03 93.32 93.95	95.14 77.45 73.06	0.51 39.90 41.57	1.60 53.71 55.02	4.89 65.78 67.51	2.33 53.13 54.70	52.54 50.05 51.09	68.79 67.45 67.46	80.02 79.49 79.25	67.12 65.66 65.93	7.66 54.80 58.94	46.26 57.07 56.86	95.18 51.21 45.54	0.00 8.49 8.44	0.24 17.38 17.36	1.65 28.21 27.57	0.63 18.03 17.79	12.79 13.05 12.79	24.34 25.55 24.54	36.38 37.99 37.29	24.51 25.53 24.88
	9.89 41.93 47.22	73.70 92.56 93.38	99.07 79.59 72.88	0.47 44.59 45.59	1.44 57.12 58.78	4.89 67.73	2.27 56.48 58.10	52.90 51.01 51.03	68.02 66.45 66.70	78.46 77.79 78.08	66.46 65.08 65.27	7.41 55.94 61.12	47.12 57.02 56.53	96.08 49.47 42.33	0.00 7.98 8.26	0.23 17.09 17.02	1.69 27.59 27.49	0.64 17.55 17.59	11.60 12.60 12.43	22.97 24.86 23.54	35.04 37.31 35.64	23.20 24.92 23.87
+MOP <sub>1.5K</sub> +MiHo+NCC +MAGSAC <sub>↑</sub>	9.89 44.10 47.63	70.76 93.46	95.13 77.61	0.49 39.85 41.63	1.44	4.76 65.93	2.23 52.99	52.00 50.11 49.90	68.90 66.28	80.14 78.37	67.02 64.92	7.41 54.81 58.87	46.24 57.37 57.13	95.74 51.45	0.00 8.06 7.87	0.24 16.79 17.00	1.71	0.65 17.44 17.65	12.10 12.33 12.82	23.67 24.78	35.63 37.99	23.80 25.03 25.16
+MOP <sub>2.0K</sub> +MiHo +MAGSAC↑	9.68 41.91	73.60 92.49	99.21 79.55	0.64 45.11	1.59 57.92	4.78 68.24	2.34 57.09	<b>55.18</b> 52.57	<b>69.91</b> 68.01	80.11 79.00	68.40 66.52	7.25 55.94	47.07 56.75	96.08 49.43	0.00 8.25	0.24 16.99	1.70 27.44	0.65 17.56	11.73 12.43	22.89 24.35	34.79 37.14	23.14 24.64
+MOP <sub>2.0K</sub> +MiHo+NCC +MAGSAC↑	9.68 44.04	93.28 70.67 93.38	72.74 95.50 77.82	0.65 40.82	58.84 1.58 54.25	69.66 4.71 66.47	2.32 53.84	51.70 52.86 50.73	66.98 68.38 67.18	79.71 78.93	65.62 66.99 65.62	61.16 7.25 54.83	56.64 46.18 56.80	42.50 95.53 51.08	8.54 0.00 8.23	17.49 0.23 16.85	27.75 1.70 27.29	0.64 17.46	12.39 12.64 12.91	23.77 24.60 24.64	36.36 36.31 37.16	24.17 24.52 24.91
$+MOP_{0.5K}$ $+MAGSAC_{\uparrow}$	47.58 17.75 42.34	93.95 79.29 93.47	73.30 96.92 79.44	41.72 1.11 46.26	55.41 3.11 59.18	8.18 70.46	54.90 4.13 58.63	50.96 53.21 53.27	67.44 68.71 69.05	79.36 79.66 80.01	65.92 67.19 67.44	58.85 14.43 56.39	56.62 48.90 57.22	45.48 91.50 49.31	8.37 0.13 8.57	0.33 17.52	28.36 2.25 27.97	0.90 18.02	12.83 11.78 12.14	25.10 23.21 23.71	37.29 35.23 36.25	25.07 23.41 24.03
+MOP <sub>0.5K</sub> +NCC	47.53 17.75 44.61	94.11 75.81 93.64	72.72 92.68 76.59	47.21 1.06 41.44	3.09 54.76	71.67 8.18 66.91	59.77 4.11 54.37	53.39 51.48 50.27	68.67 67.57 66.51	79.80 79.17 78.41	67.28 66.08 65.06	61.63 14.43 55.12	56.82 47.99 57.69	42.33 90.99 51.68	8.46 0.13 8.28	17.36 0.35 17.15	27.74 2.26 27.22	0.91 17.55	12.50 12.08 12.88	24.08 24.39 25.37	36.51 37.10 38.32	24.37 24.52 25.52
$+MAGSAC_{\downarrow}$ $+MOP_{1.0K}$	48.02 17.04	94.20 78.80	72.24 97.21	43.90 0.97	57.21 2.22	69.17	56.76 3.39	51.16 <b>54.61</b>	67.23 69.95	78.83 <b>80.20</b>	65.74	59.05 13.72	57.59 48.81	46.34 92.62	8.90 0.20	17.70 0.57	28.36 2.75	18.32	13.31	26.10	38.51	25.97 23.43
+MAGSAC↓ +MOP <sub>1.0K</sub> +NCC	42.22 47.42 17.04	93.41 94.03 75.42	79.61 72.83 93.01	46.25 47.26	59.38 60.39 2.46	70.20 71.24 7.01	58.61 59.63 3.50	53.29 54.35 52.06	68.71 68.95 67.84	79.13 79.65 79.51	67.04 67.65 66.47	56.30 61.46	57.17 56.86 47.89	49.31 42.40 92.28	8.47 8.54 0.20	17.29 17.55 0.57	27.77 27.78	17.85 17.95	12.17 12.57 12.97	23.27 23.92 25.11	35.96 36.15 37.56	23.80 24.21 25.21
+MAGSAC↓	44.50 47.91 16.65	93.86 94.37 78.47	76.96 72.57	42.74 43.03 0.81	55.41 56.11 2.25	66.96 68.07	55.04 55.74	51.07 50.83	67.18 67.21	78.91 79.20 79.69	65.72 65.75	55.05 59.06 13.56	57.92 57.75 48.73	51.91 46.50	9.08 9.17 0.13	18.29 18.15	28.83 29.22 2.27	18.73 18.85	13.34 12.64 11.67	26.27 25.45 23.25	39.81 39.02 35.06	26.47 25.70 23.33
+MAGSAC↑ +MAGSAC↓	42.24 47.41	93.22 93.98	79.43 72.83	45.55 47.48	58.65 60.40	69.64 71.05	57.95 59.64	52.51 51.19	68.39 67.29	79.48 78.90	66.79 65.79	56.35 61.47	57.07 56.83	49.28 42.49	8.30 8.36	17.17 17.22	27.54 27.62	17.67 17.73	11.66 13.42	23.84 24.63	36.51 36.93	24.01 25.00
+MAGSAC <sub>↑</sub> +MAGSAC <sub>↓</sub>	44.45 47.91	75.13 93.73 94.22	93.22 77.03 72.53	0.89 42.00 43.87	2.32 55.27 57.19	7.03 67.86 69.23	3.41 55.04 56.76	54.26 49.87 49.24	66.09 65.83	78.26 78.56	68.00 64.74 64.55	54.95 58.96	47.81 57.68 57.34	91.91 51.76 46.22	0.14 8.66 8.89	0.45 18.30 18.02	<b>29.25</b> 28.85	0.95 18.74 18.59	13.13 13.60 13.46	25.32 26.46 25.70	37.47 39.47 37.74	25.31 26.51 25.63
+MAGSAC <sub>↑</sub>	16.44 42.17 47.42	78.32 93.18 93.77	97.48 79.54 72.67	0.91 46.15 48.06	2.55 58.66 60.95	7.30 69.72 71.41	3.59 58.17 60.14	53.47 52.38 52.38	69.36 68.02 67.82	80.18 79.36 78.63	67.67 66.59 66.28	13.45 56.42 61.54	48.69 57.21 56.67	92.64 49.28 42.07	0.13 8.25 8.18	0.53 17.05 17.09	2.63 27.45 27.81	1.10 17.58 17.69	11.69 12.88 12.70	22.94 24.84 24.25	34.41 37.01 36.86	23.01 24.91 24.60
+MAGSAC <sub>↑</sub>	16.44 44.38 47.80	75.04 93.86 94.49	93.38 77.26 72.97	0.85 41.28 42.33	2.35 54.69 56.47	7.11 66.93 69.23	3.44 54.30 56.01	52.64 52.78 49.68	68.29 68.69 66.37	79.73 79.44 78.66	66.89 66.97 64.90	13.45 55.05 58.99	47.74 57.26 57.25	91.83 51.35 46.05	0.13 8.37 9.10	0.53 17.50 18.33	2.67 28.25 29.03	1.11 18.04 18.82	12.20 13.57 13.33	23.92 26.05 26.14	36.53 39.07 38.65	24.21 26.23 26.04