		MegaDepth									ScanNet										Planar					IMC PhotoTourism																		
September 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Pipeline	Filtered	Precision	Recall	AUC 65	AUC_{010}^F	AUC_{020}^F	AUC_{Z}^{F}	AUC ^E	AUC_{010}^E A	UC_{020}^E 2	AUC _Z File	ered Precis	ion Recal	AUC ₆₅	AUC_{010}^F	AUC_{020}^F A	UC ₂ AU	UC ₀₅ AU	CE AUCE	0 AUC _Z	Filtered	Precision	Recall :	AUC ^H AUC ^l	H AUC.	AUC AUC	Filtered	Precision	Recall AU	F AUCE	$_{0}$ AUC $_{020}^{F}$	AUC _Z	$AUC_{0(5,\frac{1}{4})}^{F}A$	$UC_{0(10,1)}^{F}A$	$UC_{0(20,2)}^{F}$ AU	C ^F AUC	AUC!	E AUC	E AUC.	AUC ^E _{0(5, ¹/₂}	$AUC_{0(10,1)}^{E}$	$_{ }$ AUC $_{0 20}^{E}$	2) AUC ^E
	LOFTB	0.00	82.27	60.05	6.89	14.41	26.68	16.00	40.93	57.80 79	19 56	97 0.0	0 58.84	98.83	0.35	1.46	5.40 2	40 19	42 36.2	S 82.68	36.12	0.00	60.29 9	22.10 1.	4 66 23 69	29.93	40.09	0.00	79.88	995 664	13.86	25.50	15.36	2.11	494	10.38 5.8	47.20	64 19	26.77	62.72	18 17	32.15	48 10	32.81
				61.20	13.26	24.48	39.93	25.89	26.06	43.52 60	28 43	29 50.0	65.47	55.50	2.22	6.61	14.96 7	93 121	89 26.7	8 42.82	27.50	52.17	64.56 5	0 85 2	3.08 37.51	44.78	39.06	42.03	85 12 6	2 27 12 53	24.20	39.82	25.51	4.36	9.30 1	7 26 10 3	34.59	52.42	67.60	51.54	11.68	22.78	37.25	23.90
			00.26	41.26	22.47	25.44	50.04	25.00	20.26	19.72 65			60.20	20 01	7.19	16.90								15.70 3	6.09 42.62	50.02	22.62	65.51	90.07 2	064 22.01	27.74	52.00	29.24	9.59	6.01	16 56 17 0	20.44	57.95	71.16	56.05	12.61	95.55	40.71	26.62
	+ACNe+MAGSAC.	67.99		95 91	22.00	26.12	50.07	26.64	21.47	10.79 65			2 69.51	22.71	7.24									11.46 2	5.79 42.91	50.72				9.75 24.10	29 12	52.40	29.57	9.67	6.20	16.00 17.2	20.49	57.22	71.45	56.05	12.72	25.94	40.07	26.85
				90.05	6.50	14.41	20.00	16.00	10.97	57.90 79			50.04	00.00	0.25									22.20	164 2269	20.00				0.05	19.65	25.50	15.90	2.11	4.94	10.20	47.00	64.17	70.91	62.60	19.16	22.27	49.91	32.88
				64.97	40.99	55.20	69.24	54.97	16.29	62.00 76					15.79									22.00	2.49 40.75				99.44 6	0.07 97.56	50.00	65.00	51.01	15 91	6 70	20.57 27.20	59.19	67.92	70.50	66.51	21.52	26.22	52.06	36.60
			01.00	55.00	40.00	50.53	00.04	50.05	47.50	62.30	.00	1.00	00.12	53.30	10.10						35.00	05.22	74.04	10.00	2.40	50.03	90.00	22.00	00.01	0.65 20.44	50.03	66.70	50.05	10.00	20.10	10.01	50.00	07.30	70.00	67.00	21.05	35.00	50.50	20.00
			91.20	05.03	42.00	36.00	10.00	25.00	47.03	10.14	.00 62	00.00	00.85	51.12	10.00						30.03	00.14	10.00	20.07	3.03 49.90	43.10	69.20	30.00	89.91	(100 0000	03.31	00.79	02.00	10.12	1.24	10.54 27.58	02.00	00.47		67.02	21.00	36.60	02.00	30.38
Separate Sep				80.01	21.80	34.30	49.92	33.30	31.97	40.44 63				80.09	0.01								49.93	10.97	30.01	41.12	42.70	m/a	n/a n	/H H/H	m/ss	ш/н	m/n	m/ss	1/14 1	n/a n/a	ш/н	n/a	n/a	n/a	n/a	n/a	n/a	11/14
			89.56	56.25	20.20	42.80	56.20	42.76	37.89	55.18 60	(19 54	1.29 54.2	1 70.16	53.42	12.52	24.81	38.24 25.	19 173	04 32.4	47.82		85.16	58.09	18.13 2	3.26 36.49	42.12	30.00	n/a	n/a n	/a n/a	n/a	n/a	n/a	n/a	1/8 1	n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Separation of the separation o			90.07	48.79	30.31	43.98	57.55	43.95	38.78	55.35	167 80	60.4	70.29	46.18	12.57	25.03	35.44 25.	35 183	83 31.6	46.79		89.12	58.30	13.35 2	36.41	42.31	28.94	n/a	n/a n	/a n/a	n/a	n/a	n/a	n/a	1/8	n/a n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Fig.				83.88	10.78	18.98	31.75	20.50	28.37	45.95 62	.49 45	50.6	67.83	56.28	1.10	3.68	8.87 4.	55 11.	46 24.2	3 39.26		30.33	63.87 7	73.82 3	1.04 44.99	52.20	50.51	30.08	85.12	4.48 9.41	17.00	28.60	18.34	3.24	6.80	12.65 7.5	33.73	51.20	66.10	50.34	11.53	22.30	36.41	23.41
		50.24	90.50	55.30	20.97	32.78	47.34	33.70	33.35	51.96 67	.87 51	.06 64.1	4 70.13	41.69	4.06	11.02	22.23 12.	43 10.3	39 23.3	4 38.10	23.94	80.58	71.66 2	22.66 3	1.15 46.99	54.19	38.75	58.35	89.74 4	7.20 19.14	30.26	44.11	31.17	7.02	3.12	21.92 14.00	38.70	56.14	70.12	54.99	13.68	25.64	40.39	26.57
			90.96	47.84	21.83	22.19	48.50	34.70	39.18	53.35 68	52	68.7	70.18	36.35	4.41	11.37	22.61 12.	80 10.	41 23.1	38.11	23.90	86.17	71.95	16.10 3	1.73 46.96	54.07	37.22	64.57	90.12 4	0.25 19.71	30.92	44.50	31.74	7.18	3.40 2	22.29 14.2	39.13	56.53	20.36	55.34	13.70	20.95	40.78	20.81
				26.71	8.84	17.75	31.25	19.28	14.34	27.96 44	.61 28	1.97 77.0	9 66.71	29.16	1.83	6.24	14.58 7.	55 6.1	83 17.1	4 30.65	18.21	73.82	63.75 2	27.60 1	5.55 31.95	40.81	28.98	74.21	85.78 2	8.97 10.07	20.76	35.60	22.17	3.15	7.47 1	14.79 8.4	20.64	36.45	52.96	36.68	6.38	13.79	25.05	15.07
Marie Mari			87.69	19.15	10.60	19.84	33.56	21.33	15.17	29.09 46	.07 30	0.11 83.6	66.57	21.02	2.79	7.99	16.93 9.	24 6.1	67 16.7	29.89	17.75	93.07	70.99	8.30 1	5.70 31.97	40.54	24.13	83.19	87.56 1	9.75 11.95	22.81	37.26	24.01	3.98	8.65	16.30 9.6	22.70	39.17	55.82	39.23	7.14	15.17	26.97	16.43
Martine Mart			88.03	16.58	10.23	19.97	33.45	21.22	15.89	30.56 48	.04 31	.50 85.5	66.68	18.39	3.23	8.74	17.98 9.	98 7.:	24 17.7	31.23	18.75	94.86	71.24	5.92	6.40 31.97	40.45	23.68	85.76	87.87	6.77 12.18	22.98	37.29	24.15	4.03	8.64 1	16.46 9.7	22.97	39.58	56.00	39.51	7.16	15.26	27.23	16.55
Part				39.81	10.69	21.39	35.54	22.54	18.23	33.17 50	.23 33	1.88 65.8	67.56	40.23	1.67	5.42	13.90 7.	00 9.3	25 20.6	34.86	21.59	69.06	63.78 3	32.65 1	8.24 34.04	42.28	31.80	63.83	85.42 3	9.46 10.81	22.02	37.60	23.48	3.49	7.93	15.44 8.9	23.59	40.36	57.12	40.36	7.52	15.97	28.04	17.18
P. C.				28.00	13.32	24.80	40.37	26.16	20.67	36.94 54	.36 37		0 69.53	29.48	3.23	9.08	19.89 10.	74 8.	23 20.1	35.07	21.13	90.93	71.76	10.59 1	8.96 37.04	45.95	28.14	76.79	88.86 2	6.54 14.78	26.88	42.19	27.96	4.84	0.31 1	18.88 11.3	25.68	43.37	60.29	43.11	8.25	17.23	29.91	18.46
Feature Feat					13.98	24.87	39.73	26.19	21.30	37.99 55	.37 38			25.71	3.40	9.61	20.48 11.	16 7.3	77 19.9	34.52	20.73		71.96	7.86	9.43 37.07	45.40	27.44		89.18 2	2.68 15.04	27.16	42.45	28.22	5.00	0.56	19.13 11.5	25.72	43.56	60.70	43.33	7.94	16.93	30.02	18.29
			93.18		27.43	40.39			50.86	67.41 79	.78 66		68.20	73.02	4.45	10.30	19.65 11.	47 18.1	59 35.1	50.64	34.78	31.26	73.37 11	11.36	4.18 47.76	53.75	61.76	29.50	93.02 8	9.67 26.88	38.91	52.12	39.30	11.84	0.01	29.81 20.5	58.00	72.77	83.09	71.39	25.86	41.49	57.69	41.68
CASS. MATCH. S. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			95.38		80.86				82.42	66.64 80	L89 67	49.7	71.66	59.17	15.29	29.69	44.22 29.	74 18.	41 35.4	3 51.01	34.95	56.14	77.19 7	79.09	9.38 52.28	57.98	57.18	36.10	95.19 8	3.69 46.80		73.29		22.10	M.49			72.76	83.10	71.27	25.96	41.44	87.A7	41.63
Colora Markanon Colora Mar			95.65		50.86				50.83		.35 66	54.2	6 71.83	53.93	15.73	29.85	44.05 29.	87 17.1	89 34.5	50.24	34.22	64.91	77.70 6	54.16	9.33 52.73	58.72	53.74		95.45 8	0.06		73.70		22.34	N.85		58.00	72.64	82.96	71.20	25.89	41.31	57.43	41.54
					23.23	35.66	50.12	36.34	37.15	53.43 67			0 66.48		4.19				88 31.2	46.21	31.10	30.91	63.02 7	73.13 3	0.17 44.51	51.04	49.71	21.72	84.15 8	2.53 20.20	32.61	46.82	33.21	7.25	3.92	23.40 14.8	42.75	50.27	72.22	58.08	16.66	29.52	44.28	30.16
					37.01	50.71	63.75	50.49	43.19	59.21 72			2 69.20		13.37				94 31.0	45.95	30.96	82.51	71.65 2	20.96 3	2.61 48.83	55.31	39.43	55.86	89.46 5	0.42 33.9€	48.50	62.44	48.30	14.10	4.21	36.46 24.93	48.21	64.16	75.94	62.77	19.53	33.37	48.63	33.84
MAPP ALL PARTIN SALES AND ALL		57.35		47.63	37.85	51.75	64.68	51.43	43.11				4 69.32	41.22			38.50 25.	47 16.	45 31.7	46.61	31.60	87.36	72.11 1	15.13 3	3.06 49.08	55.25			89.90 4	2.69 34.66	49.14	62.94	48.91	14.38	14.56	36.97 25.3	48.78	64.51	76.20	63.16	19.98	33.75	49.02	34.25
MOP - MAIS LANE - LAN			90.59	64.37	40.88	55.39	68.34	54.87	46.28	62.90 76	.22 61	1.80 48.8	8 69.72	59.54	15.78	30.39	46.89 30.	36 19.3	18 35.9	51.79	35.64	80.21	74.42 2	23.88 3	3.48 49.75	56.89	41.00	47.20	89.44 6	0.07 37.56	52.28	65.98	51.94	15.81	6.70	39.57 27.3	52.12	67.93	79.50	66.51	21.53	36.22	52.06	36.60
Moritan Maria Mari			91.20	55.36	42.05	56.51	69.60	56.05	47.53	63.73	.09 62	.78 56.0	69.88	51.12	15.95	30.08	41.79 30.	27 19.1	51 36.3	52.26	36.03	85.77	74.04 1	16.84 3	3.63 49.96	56.47	39.23	55.66	89.91 5	0.65 38.44	53.31	66.79	52.85	16.12	7.24	10.34 27.9	52.68	68.47	79.91	67.02	21.85	36.60	52.50	36.98
More Assertion 1. Section 1. Sect			83.54	99.37	14.61	25.42	39.60	26.54	40.13	57.27 71			62.83	90.78	1.32		11.70 5.	84 185			35.70	16.21	63.28 8	39.79 2	5.91 40.99	49.39	51.52	4.13	82.17 9	8.80 12.30	22.26	35.93	23.50	4.27	8.77	16.14 9.73	47.32	64.17	76.73	62.74	18.55	32.42	48.24	33.07
More - Ambrille - - Ambr			90.73	64.28	40.33	54.75	68.38	54.49	46.59	63.40 76	.89 62	2.29 50.0	1 70.30	58.60	15.67	29.79	44.25 29.	91 19.	45 36.4	52.33	36.06	80.27	74.21 2	24.32 3	3.11 49.30	56.62	40.84	47.56	89.84 5	9.88 37.79	52.80	66.49	52.36	15.71	6.82	39.76 27.43	52.14	68.07	79.65	66.62	21.27	36.07	52.14	36.49
			91.27	55.30	41.51	55.94	69.17	55.54	46.31	63.42 76			70.48	50.38	15.69	29.78	44.25 29.	91 18.1	84 35.7	51.57	35.37	85.93	74.58 1	17.42 3	3.53 49.64	56.87	39.36	55.94	90.31 5	0.51 38.61	53.42	66.90	52.98	16.17	7.23	10.27 27.88	53.21	68.84	80.12	67.39	22.42	37.06	52.85	37.44
More Administration 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			82.81	99.83	11.02	20.63	34.16	21.94	40.88	57.47 71			6 60.72		0.86		7.79 3.	82 19.0	05 36.3	52.47	35.94	11.30	61.59 8	39.40 2	0.88 33.50	41.08	46.21	1.93	80.87 9	9.48 8.90	17.44	30.26	18.88	2.96	6.53	2.82 7.4	47.46	64.34	76.96	62.92	18.49	32.52	48.41	33.14
Morp - Mailes - March			90.64	64.30	40.54	54.91			46.78					59.54	15.36	29.29	44.09 29.	58 183			35.32	80.03	74.32 2	24.18 3	3.35 49.51	56.85	40.97	47.34	89.62 6	0.02 37.79	52.49	66.13	52.13	15.78	6.85	39.85 27.49	52.44	68.26	79.79	66.83	21.61	36.35	52.36	36.77
More Antines Note					41.72								70.13	51.06	15.66	29.80	44.69 30.	05 18.1			35.29		74.60 1	17.16 3	3.71 49.55	56.24	39.17	55.77	90.10 5	0.60 38.63	53.46	66.99	53.03	16.19	7.40	10.42 28.0	53.19	68.80	80.11	67.37	22.36	36.97	52.78	37.37
MAPS-SAMES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-MINES-M			81.33		8.65				51.55		.38 67	7.9	6 56.43	90.94	0.66						34.97		69.33	54.87 2	3.34 35.23	42.30	63.81	1.93		6.55	14.32	26.85	15.91	1.95	4.73	10.33 5.6	58.06	73.26	83.77	71.70	24.83	40.65	57.34	40.94
MOP-INCC 2.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0 % 1.0			95.58						50.01		1.85	58.0	69.39	49.18	13.78	27.29	40.84 27.	30 183	38 35.3	50.93	34.87				0.92 55.17	62.02	67.90		94.53 8	5.02 40.34	54.12	66.73	53.73	18.52	9.21	41.14 29.6	57.59	72.59		71.11	24.76	40.28	56.66	40.56
MOP-NCC-MARSAC. 440 878 878 878 878 878 878 878 878 878 87									50.84			63.3	69.62	42.95	13.38	27.19	41.11 27.	23 184	66 35.2	2 50.57	34.82				1.04 55.66	61.97	63.85		95.08 7	8.97 41.21	55.10	67.62	54.65	19.06	9.82	11.85 30.2	57.19			70.93	24.76	39.90	56.31	40.33
MAPS CREAM MASK C. 1989 MS 98			81.59	111.08	11.60	21.61		22.98	50.32		.42 66	.13 15.4	58.09	86.17	1.05	3.97	10.88 5.	30 17.5	91 34.5	50.19	34.23		70.56	17.92 3	0.50 44.20	51.45			79.62	8.92 8.70	17.66	30.75	19.04	2.61	6.04	2.22 6.9	57.91			71.89	25.00	40.83	57.38	41.07
18 1 18 1 18 1 18 1 18 1 18 1 18 1 18					45.33	59.63	71.75	58.90	50.23	67.67	.31 66	59.3	69.72	48.16	13.33	26.53	40.30 26.	72 184	07 34.3	50.04	34.14		81.91 10	38.28	0.52 54.90	61.93	68.40		94.59 8	40.47	54.16	66.76	53.80	19.02	19.60	41.42 30.0	57.27	72.43	83.12	70.94	24.98	40.25	56.59	40.61
.045*\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					46.39	60.76	72.86	60.00	50.03	67.68	.56 66	64.5	3 69.83	42.03	13.29	26.23	40.02 26.	51 17.5	56 33.9	2 49.19			82.25 9	33.25	0.23 53.92	60.32			95.12 7	8.18 41.81	55.03	67.47	54.60	19.20	10.00	61.97 30.38	57.04	72.28	83.06	70.79	25.15	40.13	56.32	40.53
\$\ \begin{subarray}{cccccccccccccccccccccccccccccccccccc				22.04	4.15	9.27	18.41	10.61	13.73	25.58 40	174 26	6.69 71.0	3 66.45	33.76	0.21	0.90	3.06 1.	39 8.0	08 18.3	2 31.38	19.26		62.50 2	22.95	5.37 8.51	10.26			84.08 2	6.62 3.78	9.00	18.94	10.56	1.29	3.20	7.14 3.8	18.41	31.91	46.76	32.36	5.71	12.29	22.34	13.45
ACC - MASSAC - 0.89				15.20	15.52	25.71	38.93	26.72	16.84	31.06 47	.14 31	.68 81.0	70.82	23.12	5.29	12.43	23.29 13.	67 8.3	13 18.4	31.56	19.37	95.16	72.30	5.90 1	6.87 30.91	39.71		85.25	88.82 1	7.17 15.06	25.60	38.78	26.48	5.41	0.52	18.28 11.40	21.79	36.99	52.50	37.09	7.22	14.70	25.70	15.87
SACC-MAMSAC. 529 530 540 540 540 540 540 540 540				13.33	15.89	26.00	39.15	27.01	17.68	31.17 46	.95 31	.93 83.3	3 70.93	20.35	5.40	12.48	23.13 13.	67 7.	42 17.8	31.74	19.00	96.29	72.87	4.70 1	7.35 30.24	38.21	22.63	87.30	89.11 1	4.80 15.33	26.19	39.57	27.03	5.53	0.78	18.73 11.6	22.43	37.62	53.27	37.78	7.41	15.01	26.16	16.19
-NCC-IMMANC. [42] 88.51 [27] 88.51 [27] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.52 [38] 88.5			71.10	89.89	5.20	12.39	24.53	14.04	36.17	51.32 65	.11 50	0.0	53.24	93.54	0.27	1.27	5.01 2.	18 14.6	68 30.5	46.15	30.46	0.00	52.54 9	35.12	5.94 24.63	30.53	41.56	0.00	69.27 8	9.96 4.57	11.16	22.44	12.72	1.41	3.78	8.41 4.53	41.69	57.02	70.40	56.37	17.18	28.98	43.04	29.73
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-ACCIM-ALIGNACY 81,9 9,06 5.5 71,21 35,0 67.5 31,5 31,5 31,5 31,5 31,5 31,5 31,5 31,				52.79	31.81	42.67	54.12	42.87	37.52	52.42 66	15 52	67.9	68.19	37.01	10.43	22.73	36.77 23.	31 15.5	21 30.9	46.05			78.52 3	32.04 3	6.80 50.48	56.94	44.07	61.67	88.93 4	7.68 27.21	39.29	52.08	39.52	11.56	9.37	29.14 20.00	42.46	67.28	70.23	56.66	17.94	29.75	43.34	30.34
***XCMSACALIGNALUS ALC \$1.50 \$1.31 \$4.50 \$2.10 \$1.50 \$4.57 \$1.51 \$1.50 \$4.57 \$1.51 \$1.50 \$4.57 \$1.50 \$1.50 \$4.57 \$1.50 \$1.50 \$4.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$1.50 \$			85.69	85.44	10.12	18.03	30.81	19.65	29.12	46.79 63	25 46	.39 48.0	3 67.90	59.37	2.03	5.55	12.73 6.	77 13.0	00 27.2	3 42.04	27.42	25.68	64.20 7	78.87 3	2.57 47.18	53.67	53.07	26.59	85.51 7	8.54 9.85	17.73	29.50	19.06	3.31	7.01	13.16 7.83	34.69	52.62	67.52	51.61	11.77	22.83	37.38	23.99
+OANst Sign Mar Sign			90.66	56.37	21.21	33.50	47.75	34.15	33.85	52.15 68	.43 51	.48 62.0	69.92	43.97	5.42	13.62	25.21 14.	75 12.0	52 26.2	41.16	26.65	80.32	73.42 2	23.65 3	2.71 48.80	55.49	40.16	56.52	90.09 4	9.54 19.63	30.98	45.13	31.91	7.09	3.37 2	22.31 14.2	39.29	57.11	71.30	55.90	13.77	25.87	40.93	26.86
		56.24	91.13	48.80	21.80	34.30	48.67	34.92	33.89	51.69 67	.97 51	.18 66.9	6 70.04	38.31	5.26	13.58	25.55 14.	80 12.	17 25.8	40.41	26.13	85.88	73.62 1	16.98 3	3.08 48.77	55.42	38.56	63.07	90.48 4	2.17 19.92	31.43	45.54	32.30	7.24	3.59 2	22.70 14.5	40.01	57.44	71.44	56.30	13.97	26.34	41.55	27.29
		85.69	86.28	15.28	5.32	11.35	21.20	12.63	10.69	21.10 35	.73 22	2.50 84.5	65.07	17.35	0.89	2.93	8.45 4.	09 4.5	94 12.0	22.82	13.25	86.93	62.50 1	13.12	8.86 17.55	24.55	16.02	86.17	85.15 1	5.13 4.25	9.91	20.04	11.39	1.51	3.72	7.97 4.40	12.75	24.32	39.59	25.55	3.75	8.83	17.32	9.97
	+OANet+MAGSAC†	89.74	88.73	11.31	7.94	14.66	25.20	15.93	11.64	22.51 37	.95 24	1.03 88.0	66.62	13.82	1.85	5.49	12.64 6.	66 3.5	96 10.7	21.31	12.01	95.84	69.14	4.32 1	2.14 25.90	35.01	19.34	90.51	87.58	0.77 6.54	13.43	24.41	14.79	2.12	4.87	10.08 5.60	13.49	25.95	42.05	27.17	3.81	9.36	18.29	10.48
	+OANet+MAGSAC ₁			9.96	8.00	15.28	25.91	16.40	12.14	23.85 39	.44 25	.14 89.2	66.61	12.27	1.76	5.57	13.13 6.	82 3.7	74 10.8	21.71	12.11	96.77	69.63	3.23 1	2.92 26.44	35.32			87.78	9.37 6.74	13.58	24.73	15.02	2.09	4.89	10.15 5.7	13.35	25.89	41.94	27.06	4.01	9.37	18.04	10.47