Constraints (single) - Optimal

					δ_{HC}(L)			δ_{HCU}(L)			δ_{HC}(P)			δ_{HCU}(P)			δ_{HC}(S)			δ_{HCU}(S)		
#	$\lvert\Gamma\rvert$	% Obs	$\lvert\Omega\rvert$	$\lvert\Gamma^*\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$
BLOCKS	20.3	10	1.25	8.0	0.42	91.7	9.89	0.42	91.7	9.89	0.44	91.7	8.17	0.44	91.7	8.17	**0.45**	88.9	8.03	**0.45**	88.9	8.03
		30	3.08	3.97	0.33	83.3	3.92	0.31	86.1	6.22	**0.43**	75.0	3.86	**0.43**	75.0	3.86	**0.43**	80.6	2.86	0.39	83.3	5.11
		50	4.42	2.5	0.46	80.6	3.17	0.46	83.3	3.53	0.44	69.4	3.03	0.45	72.2	3.39	**0.55**	88.9	3.22	0.5	88.9	4.86
		70	6.67	1.94	0.54	72.2	1.86	0.55	77.8	2.19	0.58	83.3	3.03	0.57	88.9	3.75	**0.75**	97.2	2.08	0.66	97.2	2.67
		100	8.83	1.83	0.58	75.0	2.0	0.58	75.0	2.0	0.62	91.7	3.42	0.62	91.7	3.42	**0.82**	100.0	1.92	**0.82**	100.0	1.92
IPC-GRID	7.5	10	1.63	2.71	**0.92**	100.0	3.1	**0.92**	100.0	3.1	0.4	97.9	7.06	0.4	97.9	7.06	0.65	79.2	3.29	0.65	79.2	3.29
		30	4.0	1.21	**0.97**	97.9	1.23	0.95	97.9	1.4	0.25	100.0	6.77	0.25	100.0	6.77	0.73	93.8	1.88	0.71	97.9	2.46
		50	6.19	1.13	**0.97**	97.9	1.1	0.96	97.9	1.13	0.27	91.7	6.27	0.27	91.7	6.27	0.83	93.8	1.31	0.81	100.0	1.83
		70	8.69	1.04	**0.97**	97.9	1.06	**0.97**	97.9	1.06	0.3	72.9	5.0	0.3	72.9	5.0	0.9	97.9	1.27	0.89	100.0	1.42
		100	11.88	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	0.23	43.8	3.38	0.23	43.8	3.38	**1.0**	100.0	1.0	**1.0**	100.0	1.0
LOGISTICS	10.0	10	2.0	2.83	**0.89**	100.0	3.64	**0.89**	100.0	3.64	0.71	97.2	4.0	0.71	97.2	4.0	0.85	100.0	3.89	0.85	100.0	3.89
		30	5.75	1.19	**0.92**	100.0	1.44	0.88	100.0	1.58	0.67	100.0	2.19	0.61	100.0	2.69	0.86	100.0	1.75	0.65	100.0	3.14
		50	9.42	1.06	**0.96**	100.0	1.17	**0.96**	100.0	1.17	0.72	100.0	1.69	0.71	100.0	1.75	0.93	100.0	1.25	0.79	100.0	1.69
		70	13.25	1.03	**1.0**	100.0	1.03	**1.0**	100.0	1.03	0.71	100.0	1.67	0.71	100.0	1.67	0.99	100.0	1.06	0.99	100.0	1.06
		100	18.17	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	0.69	100.0	1.67	0.69	100.0	1.67	**1.0**	100.0	1.0	**1.0**	100.0	1.0
MICONIC	6.0	10	2.0	2.53	**0.8**	100.0	3.39	**0.8**	100.0	3.39	0.62	100.0	4.19	0.62	100.0	4.19	0.73	100.0	3.78	0.71	100.0	3.94
		30	5.42	1.22	**0.77**	100.0	1.78	**0.77**	100.0	1.78	0.63	100.0	2.25	0.32	100.0	4.25	0.63	100.0	2.25	0.36	100.0	4.28
		50	8.42	1.06	**0.9**	100.0	1.28	**0.9**	100.0	1.28	0.81	100.0	1.5	0.51	100.0	3.0	0.81	100.0	1.5	0.45	100.0	3.36
		70	11.92	1.0	**0.97**	100.0	1.08	**0.97**	100.0	1.08	0.91	100.0	1.19	0.79	100.0	1.5	0.91	100.0	1.19	0.69	100.0	1.86
		100	16.33	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0
ROVERS	6.0	10	1.67	2.28	**0.78**	91.7	2.64	**0.78**	91.7	2.64	0.67	100.0	4.08	0.67	100.0	4.08	0.61	100.0	4.44	0.58	100.0	4.75
		30	3.67	1.31	**0.91**	100.0	1.53	**0.91**	100.0	1.53	0.8	100.0	1.94	0.59	100.0	3.33	0.57	100.0	2.97	0.4	100.0	4.5
		50	5.75	1.19	**0.94**	97.2	1.19	**0.94**	97.2	1.19	0.91	100.0	1.42	0.67	100.0	2.22	0.78	100.0	1.83	0.51	100.0	3.61
		70	8.17	1.0	0.99	100.0	1.03	0.99	100.0	1.03	**1.0**	100.0	1.0	0.96	100.0	1.08	0.89	100.0	1.28	0.59	100.0	2.61
		100	10.83	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0
SATELLITE	6.0	10	1.42	3.53	**0.88**	97.2	3.89	**0.88**	97.2	3.89	0.84	100.0	4.42	0.84	100.0	4.42	0.81	88.9	3.67	0.73	88.9	4.22
		30	3.42	2.39	**0.81**	97.2	2.97	**0.81**	97.2	2.97	0.78	100.0	3.28	0.74	100.0	3.53	0.8	91.7	2.28	0.57	97.2	4.28
		50	5.75	1.58	**0.92**	100.0	1.78	**0.92**	100.0	1.78	0.91	100.0	1.92	0.86	100.0	2.17	0.86	97.2	1.61	0.56	97.2	3.28
		70	8.08	1.31	**0.97**	100.0	1.39	**0.97**	100.0	1.39	**0.97**	100.0	1.39	0.94	100.0	1.56	0.89	100.0	1.42	0.7	100.0	2.06
		100	10.75	1.25	**1.0**	100.0	1.25	**1.0**	100.0	1.25	**1.0**	100.0	1.25	**1.0**	100.0	1.25	0.96	100.0	1.17	0.96	100.0	1.17
SOKOBAN	8.7	10	2.33	2.11	**0.38**	88.9	5.58	**0.38**	88.9	5.58	0.24	91.7	7.47	0.24	91.7	7.47	**0.38**	44.4	1.78	0.34	52.8	2.42
		30	6.5	1.25	0.41	72.2	2.33	0.36	75.0	2.94	0.14	63.9	4.83	0.14	63.9	4.83	**0.59**	72.2	1.39	0.57	97.2	2.86
		50	10.33	1.22	0.53	83.3	1.78	0.48	86.1	2.58	0.21	47.2	2.56	0.22	52.8	2.75	**0.82**	88.9	1.25	0.75	100.0	1.97
		70	14.67	1.03	0.73	88.9	1.58	0.7	91.7	1.94	0.21	30.6	1.69	0.21	30.6	1.78	**0.93**	100.0	1.11	0.88	100.0	1.33
		100	20.17	1.0	0.85	91.7	1.25	0.85	91.7	1.25	0.23	41.7	1.92	0.23	41.7	1.92	**0.96**	100.0	1.08	**0.96**	100.0	1.08
Avg					**0.81**	94.42	2.18	**0.81**	94.98	2.33	0.61	88.27	3.19	0.57	88.67	3.43	0.79	94.39	2.11	0.7	96.25	2.83

Table 1: Results for each contraint set, for optimal observations. L for Landmarks, P for Post-hoc, and S for State equation.

Constraints (single) - Suboptimal

					δ_{HC}(L)			δ_{HCU}(L)			δ_{HC}(P)			δ_{HCU}(P)			δ_{HC}(S)			δ_{HCU}(S)		
#	$\lvert\Gamma\rvert$	% Obs	$\lvert\Omega\rvert$	$\lvert\Gamma^*\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$	AGR	ACC	$\lvert\Gamma^{\mathbf{h}}\rvert$
BLOCKS	20.3	10	1.42	7.61	0.41	94.4	8.97	0.41	94.4	8.97	0.39	97.2	8.64	0.39	97.2	8.64	**0.44**	94.4	8.25	**0.44**	94.4	8.39
		30	3.83	3.58	0.44	80.6	4.03	0.36	88.9	6.89	0.41	80.6	4.17	0.41	80.6	4.17	**0.5**	83.3	3.72	0.34	86.1	7.03
		50	5.92	3.19	0.37	58.3	2.06	0.39	72.2	3.28	**0.51**	83.3	3.5	**0.51**	83.3	3.5	0.5	86.1	3.22	0.42	94.4	5.92
		70	8.5	2.53	0.45	77.8	2.25	0.5	88.9	2.69	0.55	83.3	3.06	0.54	83.3	3.14	**0.64**	97.2	2.36	0.55	100.0	3.19
		100	11.83	2.25	0.52	75.0	2.0	0.6	91.7	2.58	0.58	91.7	3.5	0.58	91.7	3.5	**0.74**	100.0	1.92	**0.74**	100.0	1.92
IPC-GRID	7.5	10	2.06	1.58	**0.86**	100.0	2.0	0.8	100.0	2.56	0.25	100.0	7.23	0.25	100.0	7.23	0.6	91.7	3.1	0.55	93.8	3.85
		30	5.56	1.4	**0.88**	100.0	1.21	0.77	100.0	2.44	0.23	89.6	6.67	0.23	89.6	6.67	0.69	85.4	1.77	0.64	95.8	3.33
		50	8.88	1.35	**0.89**	97.9	1.13	0.82	100.0	1.42	0.29	72.9	5.21	0.29	72.9	5.21	0.81	100.0	1.31	0.65	100.0	2.77
		70	12.56	1.31	**0.91**	100.0	1.06	0.88	100.0	1.13	0.08	20.8	3.54	0.08	20.8	3.54	0.87	97.9	1.1	0.8	97.9	1.42
		100	17.25	1.5	**0.94**	100.0	1.0	**0.94**	100.0	1.0	0.05	0.0	1.94	0.05	0.0	1.94	**0.94**	100.0	1.0	**0.94**	100.0	1.0
LOGISTICS	10.0	10	2.67	2.0	**0.81**	100.0	3.0	**0.81**	100.0	3.11	0.78	100.0	2.97	0.76	100.0	3.19	0.8	100.0	3.06	0.65	100.0	4.89
		30	7.5	1.14	**0.93**	100.0	1.31	0.78	100.0	1.97	0.7	100.0	1.94	0.69	100.0	2.03	0.85	100.0	1.5	0.55	100.0	4.08
		50	11.92	1.06	**0.94**	100.0	1.19	0.84	100.0	1.47	0.7	100.0	1.72	0.7	100.0	1.72	0.87	100.0	1.33	0.67	100.0	2.89
		70	16.67	1.03	**0.99**	100.0	1.06	0.95	100.0	1.14	0.71	100.0	1.67	0.71	100.0	1.67	0.96	100.0	1.11	0.87	100.0	1.33
		100	23.17	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	0.69	100.0	1.67	0.69	100.0	1.67	**1.0**	100.0	1.0	**1.0**	100.0	1.0
MICONIC	6.0	10	3.0	1.83	**0.68**	100.0	3.14	**0.68**	100.0	3.19	0.51	100.0	4.03	0.45	100.0	4.81	0.54	100.0	3.94	0.44	100.0	5.03
		30	7.67	1.25	**0.77**	100.0	1.78	0.64	100.0	2.58	0.6	100.0	2.42	0.3	100.0	4.97	0.6	100.0	2.42	0.26	100.0	5.42
		50	12.25	1.03	**0.97**	100.0	1.11	0.8	100.0	1.53	0.88	100.0	1.31	0.37	100.0	3.53	0.88	100.0	1.31	0.29	100.0	4.39
		70	17.33	1.0	**0.99**	100.0	1.03	0.94	100.0	1.11	0.94	100.0	1.11	0.6	100.0	2.22	0.94	100.0	1.11	0.49	100.0	3.03
		100	24.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0
ROVERS	6.0	10	1.83	2.39	**0.79**	94.4	3.14	**0.79**	94.4	3.14	0.66	100.0	4.28	0.66	100.0	4.28	0.59	100.0	4.67	0.55	100.0	4.92
		30	4.5	1.39	**0.86**	100.0	1.61	0.79	100.0	2.11	0.74	100.0	2.25	0.5	100.0	3.86	0.62	100.0	2.81	0.41	100.0	4.69
		50	7.17	1.11	**0.99**	100.0	1.08	0.94	100.0	1.17	0.94	100.0	1.28	0.57	100.0	2.81	0.72	100.0	1.86	0.33	100.0	4.64
		70	10.0	1.06	**0.98**	100.0	1.11	0.94	100.0	1.25	0.93	100.0	1.25	0.78	100.0	1.69	0.88	100.0	1.33	0.55	100.0	3.19
		100	13.67	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0	**1.0**	100.0	1.0
SATELLITE	6.0	10	2.0	3.25	**0.8**	97.2	4.03	**0.8**	97.2	4.03	0.78	100.0	4.44	0.78	100.0	4.44	0.79	91.7	3.56	0.68	100.0	4.97
		30	4.33	1.78	**0.74**	97.2	2.69	**0.74**	97.2	2.78	0.7	100.0	3.06	0.66	100.0	3.39	0.67	80.6	2.11	0.47	94.4	4.25
		50	6.75	1.36	0.83	100.0	1.83	0.79	100.0	2.06	0.78	100.0	2.14	0.65	100.0	2.83	**0.84**	94.4	1.5	0.38	100.0	4.33
		70	9.42	1.33	**0.92**	100.0	1.56	**0.92**	100.0	1.56	0.9	100.0	1.67	0.88	100.0	1.78	0.87	97.2	1.44	0.6	100.0	2.75
		100	12.75	1.25	**1.0**	100.0	1.25	**1.0**	100.0	1.25	**1.0**	100.0	1.25	**1.0**	100.0	1.25	0.96	100.0	1.17	0.96	100.0	1.17
SOKOBAN	8.7	10	3.33	1.83	0.3	69.4	4.36	0.29	72.2	4.61	0.24	91.7	6.58	0.24	91.7	6.58	**0.38**	47.2	1.94	**0.38**	69.4	3.64
		30	8.67	1.28	0.43	75.0	2.81	0.34	91.7	5.19	0.14	33.3	2.17	0.14	33.3	2.28	**0.72**	75.0	1.19	0.52	97.2	3.22
		50	13.75	1.33	0.51	75.0	1.94	0.38	100.0	4.67	0.17	16.7	1.25	0.16	25.0	1.67	**0.77**	80.6	1.25	0.54	100.0	3.28
		70	19.33	1.36	0.58	80.6	1.53	0.53	91.7	2.61	0.17	19.4	1.53	0.15	22.2	1.83	**0.85**	100.0	1.17	0.82	100.0	1.69
		100	27.0	1.33	0.73	91.7	1.25	0.73	91.7	1.25	0.22	41.7	1.92	0.22	41.7	1.92	**0.88**	100.0	1.08	**0.88**	100.0	1.08
Avg					**0.78**	93.27	2.07	0.74	96.35	2.56	0.58	83.49	2.95	0.51	83.81	3.31	0.76	94.37	2.1	0.61	97.82	3.45

Table 2: Results for each contraint set, for suboptimal observations. L for Landmarks, P for Post-hoc, and S for State equation.