Constraints (single) - Optimal

					δ_{HC}(L)				δ_{HCU}(L)				δ_{HC}(P)				δ_{HCU}(P)				δ_{HC}(S)				δ_{HCU}(S)				δ_{HC}(D)				δ_{HCU}(D)			
#	$\lvert\Gamma\rvert$	**% Obs**	$\lvert\Omega\rvert$	$\lvert\Gamma^*\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$	**Time**	**AGR**	**ACC**	$\lvert\Gamma^{\mathbf{h}}\rvert$
BLOCKS (136)	20.3	10	1.25	8.0	4.033	0.42	91.7	9.89	4.032	0.42	91.7	9.89	4.133	0.44	91.7	8.17	4.133	0.44	91.7	8.17	4.051	0.45	88.9	8.03	4.049	0.45	88.9	8.03	5.771	0.43	88.9	7.83	-	-	-	-
		30	3.08	3.97	4.031	0.33	83.3	3.92	4.029	0.31	86.1	6.22	4.128	0.43	75.0	3.86	4.128	0.43	75.0	3.86	4.054	0.43	80.6	2.86	4.052	0.39	83.3	5.11	5.773	0.48	94.4	3.69	-	-	-	-
		50	4.42	2.5	4.03	0.46	80.6	3.17	4.032	0.46	83.3	3.53	4.127	0.44	69.4	3.03	4.13	0.45	72.2	3.39	4.051	0.55	88.9	3.22	4.051	0.5	88.9	4.86	5.767	0.59	88.9	3.14	-	-	-	-
		70	6.67	1.94	4.034	0.54	72.2	1.86	4.035	0.55	77.8	2.19	4.129	0.58	83.3	3.03	4.13	0.57	88.9	3.75	4.054	0.75	97.2	2.08	4.056	0.66	97.2	2.67	5.768	0.76	88.9	2.22	-	-	-	-
		100	8.83	1.83	4.027	0.58	75.0	2.0	4.029	0.58	75.0	2.0	4.121	0.62	91.7	3.42	4.127	0.62	91.7	3.42	4.045	0.82	100.0	1.92	4.055	0.82	100.0	1.92	5.77	0.86	91.7	2.0	-	-	-	-
DEPOTS (136)	8.0	10	1.0	4.17	1.671	0.55	94.4	6.39	1.666	0.55	94.4	6.39	1.711	0.59	100.0	7.11	1.707	0.59	100.0	7.11	1.683	0.58	86.1	5.92	1.679	0.58	86.1	5.92	2.235	0.51	80.6	5.17	-	-	-	-
		30	2.92	1.94	1.671	0.33	80.6	4.39	1.669	0.33	80.6	4.39	1.709	0.31	97.2	6.31	1.704	0.31	97.2	6.31	1.682	0.46	88.9	3.89	1.679	0.38	88.9	5.19	2.234	0.46	72.2	2.33	-	-	-	-
		50	4.83	1.14	1.671	0.46	83.3	2.94	1.67	0.46	83.3	2.94	1.708	0.22	83.3	4.47	1.7	0.22	83.3	4.47	1.685	0.64	97.2	2.89	1.681	0.54	97.2	4.25	2.235	0.55	77.8	1.69	-	-	-	-
		70	6.83	1.06	1.671	0.66	97.2	2.31	1.667	0.66	97.2	2.31	1.706	0.16	69.4	4.5	1.704	0.16	69.4	4.5	1.683	0.93	100.0	1.39	1.681	0.9	100.0	1.61	2.235	0.85	100.0	1.53	-	-	-	-
		100	9.5	1.0	1.67	0.94	100.0	1.17	1.67	0.94	100.0	1.17	1.708	0.15	91.7	5.75	1.699	0.15	91.7	5.75	1.687	0.94	100.0	1.25	1.681	0.94	100.0	1.25	2.234	0.94	100.0	1.25	-	-	-	-
DRIVERLOG (136)	6.7	10	1.75	2.36	1.287	0.54	100.0	4.67	1.289	0.54	100.0	4.67	1.296	0.49	91.7	4.11	1.293	0.49	91.7	4.11	1.294	0.53	75.0	3.5	1.293	0.54	80.6	3.86	1.603	0.48	80.6	3.81	-	-	-	-
		30	4.17	1.58	1.286	0.57	97.2	2.94	1.287	0.57	97.2	3.0	1.294	0.44	69.4	2.83	1.295	0.44	72.2	3.17	1.295	0.64	80.6	2.44	1.296	0.51	100.0	4.14	1.605	0.5	77.8	2.69	-	-	-	-
		50	6.33	1.22	1.288	0.53	94.4	2.61	1.289	0.53	97.2	2.72	1.295	0.4	80.6	3.06	1.298	0.38	83.3	3.36	1.296	0.61	97.2	2.36	1.294	0.4	100.0	3.78	1.602	0.51	77.8	2.17	-	-	-	-
		70	8.92	1.14	1.288	0.64	100.0	2.17	1.286	0.64	100.0	2.17	1.293	0.52	72.2	2.25	1.294	0.52	75.0	2.31	1.293	0.75	97.2	1.89	1.295	0.66	97.2	2.14	1.602	0.67	88.9	1.53	-	-	-	-
		100	12.17	1.08	1.288	0.71	100.0	1.75	1.291	0.71	100.0	1.75	1.296	0.55	75.0	2.17	1.295	0.55	75.0	2.17	1.296	0.81	100.0	1.42	1.294	0.81	100.0	1.42	1.605	0.81	100.0	1.5	-	-	-	-
DWR (136)	6.7	10	2.83	3.47	1.467	0.55	91.7	5.44	1.468	0.55	91.7	5.5	1.496	0.45	72.2	4.81	1.498	0.5	88.9	5.67	1.479	0.72	75.0	3.03	1.479	0.72	91.7	4.0	2.177	0.57	91.7	4.94	-	-	-	-
		30	6.92	1.89	1.467	0.42	88.9	3.83	1.468	0.39	94.4	4.72	1.496	0.32	72.2	4.44	1.496	0.28	91.7	6.08	1.477	0.72	86.1	1.92	1.48	0.63	100.0	3.69	2.178	0.4	72.2	3.36	-	-	-	-
		50	11.33	1.36	1.467	0.54	88.9	2.11	1.468	0.5	97.2	2.97	1.495	0.28	72.2	3.67	1.5	0.33	100.0	5.19	1.478	0.83	86.1	1.33	1.481	0.76	100.0	2.47	2.181	0.5	80.6	3.06	-	-	-	-
		70	16.08	1.19	1.468	0.68	77.8	1.33	1.47	0.67	83.3	1.61	1.499	0.27	72.2	3.28	1.496	0.26	80.6	3.92	1.549	0.9	97.2	1.19	1.483	0.84	100.0	1.83	2.185	0.83	94.4	1.61	-	-	-	-
		100	22.0	1.08	1.471	0.81	91.7	1.25	1.473	0.81	91.7	1.25	1.493	0.38	75.0	1.75	1.496	0.38	75.0	1.75	1.576	0.92	100.0	1.08	1.481	0.92	100.0	1.08	2.188	0.96	100.0	1.0	-	-	-	-
IPC-GRID (182)	7.5	10	1.63	2.71	1.596	0.92	100.0	3.1	1.586	0.92	100.0	3.1	1.673	0.4	97.9	7.06	1.676	0.4	97.9	7.06	1.591	0.65	79.2	3.29	1.592	0.65	79.2	3.29	3.841	0.45	100.0	7.06	-	-	-	-
		30	4.0	1.21	1.583	0.97	97.9	1.23	1.583	0.95	97.9	1.4	1.675	0.25	100.0	6.77	1.677	0.25	100.0	6.77	1.592	0.73	93.8	1.88	1.591	0.71	97.9	2.46	3.845	0.64	100.0	4.21	-	-	-	-
		50	6.19	1.13	1.588	0.97	97.9	1.1	1.589	0.96	97.9	1.13	1.676	0.27	91.7	6.27	1.673	0.27	91.7	6.27	1.592	0.83	93.8	1.31	1.59	0.81	100.0	1.83	3.845	0.73	100.0	3.4	-	-	-	-
		70	8.69	1.04	1.588	0.97	97.9	1.06	1.585	0.97	97.9	1.06	1.675	0.3	72.9	5.0	1.676	0.3	72.9	5.0	1.595	0.9	97.9	1.27	1.594	0.89	100.0	1.42	3.848	0.93	100.0	1.75	-	-	-	-
		100	11.88	1.0	1.586	1.0	100.0	1.0	1.585	1.0	100.0	1.0	1.676	0.23	43.8	3.38	1.673	0.23	43.8	3.38	1.597	1.0	100.0	1.0	1.595	1.0	100.0	1.0	3.848	1.0	100.0	1.0	-	-	-	-
FERRY (136)	6.7	10	2.25	3.58	1.145	0.88	100.0	4.25	1.144	0.88	100.0	4.25	1.152	0.66	100.0	5.53	1.151	0.66	100.0	5.53	1.149	0.88	100.0	4.25	1.146	0.84	100.0	4.53	1.272	0.84	91.7	4.08	-	-	-	-
		30	6.0	1.64	1.146	0.9	100.0	1.97	1.142	0.75	100.0	2.89	1.152	0.39	100.0	4.5	1.153	0.37	100.0	5.11	1.147	0.9	100.0	1.97	1.145	0.7	100.0	3.36	1.272	0.86	94.4	2.08	-	-	-	-
		50	9.67	1.22	1.144	0.98	100.0	1.28	1.144	0.83	100.0	1.81	1.151	0.41	100.0	3.67	1.154	0.41	100.0	3.78	1.147	0.98	100.0	1.28	1.145	0.8	100.0	1.89	1.272	0.93	97.2	1.36	-	-	-	-
		70	13.5	1.19	1.143	0.99	100.0	1.22	1.143	0.91	100.0	1.47	1.155	0.46	100.0	3.44	1.151	0.46	100.0	3.5	1.15	0.99	100.0	1.22	1.148	0.93	100.0	1.42	1.271	0.95	97.2	1.25	-	-	-	-
		100	18.83	1.17	1.148	1.0	100.0	1.17	1.143	1.0	100.0	1.17	1.157	0.47	100.0	3.33	1.153	0.47	100.0	3.33	1.146	1.0	100.0	1.17	1.146	1.0	100.0	1.17	1.272	0.96	100.0	1.25	-	-	-	-
LOGISTICS (136)	10.0	10	2.0	2.83	1.911	0.89	100.0	3.64	1.909	0.89	100.0	3.64	1.918	0.71	97.2	4.0	1.914	0.71	97.2	4.0	1.915	0.85	100.0	3.89	1.913	0.85	100.0	3.89	2.697	0.4	94.4	7.53	-	-	-	-
		30	5.75	1.19	1.908	0.92	100.0	1.44	1.906	0.88	100.0	1.58	1.914	0.67	100.0	2.19	1.913	0.61	100.0	2.69	1.916	0.86	100.0	1.75	1.913	0.65	100.0	3.14	2.7	0.55	88.9	3.86	-	-	-	-
		50	9.42	1.06	1.912	0.96	100.0	1.17	1.913	0.96	100.0	1.17	1.915	0.72	100.0	1.69	1.915	0.71	100.0	1.75	1.915	0.93	100.0	1.25	1.916	0.79	100.0	1.69	2.697	0.61	91.7	2.86	-	-	-	-
		70	13.25	1.03	1.911	1.0	100.0	1.03	1.909	1.0	100.0	1.03	1.919	0.71	100.0	1.67	1.913	0.71	100.0	1.67	1.917	0.99	100.0	1.06	1.915	0.99	100.0	1.06	2.704	0.92	100.0	1.33	-	-	-	-
		100	18.17	1.0	1.912	1.0	100.0	1.0	1.912	1.0	100.0	1.0	1.917	0.69	100.0	1.67	1.916	0.69	100.0	1.67	1.921	1.0	100.0	1.0	1.917	1.0	100.0	1.0	2.703	1.0	100.0	1.0	-	-	-	-
MICONIC (136)	6.0	10	2.0	2.53	1.195	0.8	100.0	3.39	1.192	0.8	100.0	3.39	1.203	0.62	100.0	4.19	1.201	0.62	100.0	4.19	1.2	0.73	100.0	3.78	1.197	0.71	100.0	3.94	1.623	0.88	100.0	3.08	-	-	-	-
		30	5.42	1.22	1.196	0.77	100.0	1.78	1.194	0.77	100.0	1.78	1.203	0.63	100.0	2.25	1.202	0.32	100.0	4.25	1.2	0.63	100.0	2.25	1.199	0.36	100.0	4.28	1.623	0.94	100.0	1.39	-	-	-	-
		50	8.42	1.06	1.196	0.9	100.0	1.28	1.193	0.9	100.0	1.28	1.205	0.81	100.0	1.5	1.202	0.51	100.0	3.0	1.199	0.81	100.0	1.5	1.2	0.45	100.0	3.36	1.625	0.97	100.0	1.11	-	-	-	-
		70	11.92	1.0	1.196	0.97	100.0	1.08	1.195	0.97	100.0	1.08	1.203	0.91	100.0	1.19	1.203	0.79	100.0	1.5	1.201	0.91	100.0	1.19	1.2	0.69	100.0	1.86	1.594	0.98	100.0	1.06	-	-	-	-
		100	16.33	1.0	1.197	1.0	100.0	1.0	1.194	1.0	100.0	1.0	1.206	1.0	100.0	1.0	1.201	1.0	100.0	1.0	1.199	1.0	100.0	1.0	1.201	1.0	100.0	1.0	1.527	1.0	100.0	1.0	-	-	-	-
ROVERS (136)	6.0	10	1.67	2.28	1.281	0.78	91.7	2.64	1.276	0.78	91.7	2.64	1.287	0.67	100.0	4.08	1.287	0.67	100.0	4.08	1.281	0.61	100.0	4.44	1.281	0.58	100.0	4.75	1.724	0.29	50.0	3.25	-	-	-	-
		30	3.67	1.31	1.283	0.91	100.0	1.53	1.279	0.91	100.0	1.53	1.287	0.8	100.0	1.94	1.285	0.59	100.0	3.33	1.282	0.57	100.0	2.97	1.28	0.4	100.0	4.5	1.725	0.39	83.3	2.92	-	-	-	-
		50	5.75	1.19	1.281	0.94	97.2	1.19	1.282	0.94	97.2	1.19	1.286	0.91	100.0	1.42	1.287	0.67	100.0	2.22	1.284	0.78	100.0	1.83	1.283	0.51	100.0	3.61	1.727	0.7	97.2	1.92	-	-	-	-
		70	8.17	1.0	1.281	0.99	100.0	1.03	1.28	0.99	100.0	1.03	1.287	1.0	100.0	1.0	1.286	0.96	100.0	1.08	1.282	0.89	100.0	1.28	1.283	0.59	100.0	2.61	1.727	0.91	100.0	1.19	-	-	-	-
		100	10.83	1.0	1.283	1.0	100.0	1.0	1.276	1.0	100.0	1.0	1.285	1.0	100.0	1.0	1.284	1.0	100.0	1.0	1.283	1.0	100.0	1.0	1.279	1.0	100.0	1.0	1.726	1.0	100.0	1.0	-	-	-	-
SATELLITE (136)	6.0	10	1.42	3.53	1.098	0.88	97.2	3.89	1.096	0.88	97.2	3.89	1.102	0.84	100.0	4.42	1.103	0.84	100.0	4.42	1.099	0.81	88.9	3.67	1.1	0.73	88.9	4.22	1.389	0.88	100.0	3.86	-	-	-	-
		30	3.42	2.39	1.098	0.81	97.2	2.97	1.096	0.81	97.2	2.97	1.107	0.78	100.0	3.28	1.105	0.74	100.0	3.53	1.1	0.8	91.7	2.28	1.101	0.57	97.2	4.28	1.388	0.84	100.0	2.67	-	-	-	-
		50	5.75	1.58	1.095	0.92	100.0	1.78	1.095	0.92	100.0	1.78	1.105	0.91	100.0	1.92	1.102	0.86	100.0	2.17	1.1	0.86	97.2	1.61	1.099	0.56	97.2	3.28	1.39	0.91	100.0	1.61	-	-	-	-
		70	8.08	1.31	1.095	0.97	100.0	1.39	1.094	0.97	100.0	1.39	1.105	0.97	100.0	1.39	1.102	0.94	100.0	1.56	1.101	0.89	100.0	1.42	1.097	0.7	100.0	2.06	1.392	0.94	100.0	1.25	-	-	-	-
		100	10.75	1.25	1.096	1.0	100.0	1.25	1.093	1.0	100.0	1.25	1.102	1.0	100.0	1.25	1.107	1.0	100.0	1.25	1.101	0.96	100.0	1.17	1.096	0.96	100.0	1.17	1.39	0.96	100.0	1.17	-	-	-	-
SOKOBAN (136)	8.7	10	2.33	2.11	2.472	0.38	88.9	5.58	2.475	0.38	88.9	5.58	2.721	0.24	91.7	7.47	2.718	0.24	91.7	7.47	2.532	0.38	44.4	1.78	2.534	0.34	52.8	2.42	8.412	0.25	69.4	4.42	-	-	-	-
		30	6.5	1.25	2.472	0.41	72.2	2.33	2.479	0.36	75.0	2.94	2.72	0.14	63.9	4.83	2.721	0.14	63.9	4.83	2.533	0.59	72.2	1.39	2.532	0.57	97.2	2.86	8.418	0.4	72.2	2.47	-	-	-	-
		50	10.33	1.22	2.472	0.53	83.3	1.78	2.477	0.48	86.1	2.58	2.717	0.21	47.2	2.56	2.717	0.22	52.8	2.75	2.527	0.82	88.9	1.25	2.53	0.75	100.0	1.97	8.426	0.57	75.0	1.78	-	-	-	-
		70	14.67	1.03	2.473	0.73	88.9	1.58	2.478	0.7	91.7	1.94	2.709	0.21	30.6	1.69	2.708	0.21	30.6	1.78	2.527	0.93	100.0	1.11	2.532	0.88	100.0	1.33	8.424	0.72	88.9	1.42	-	-	-	-
		100	20.17	1.0	2.473	0.85	91.7	1.25	2.474	0.85	91.7	1.25	2.706	0.23	41.7	1.92	2.707	0.23	41.7	1.92	2.527	0.96	100.0	1.08	2.534	0.96	100.0	1.08	8.439	0.96	100.0	1.08	-	-	-	-
ZENO (136)	6.0	10	1.75	2.36	1.367	0.72	100.0	3.56	1.367	0.72	100.0	3.56	1.378	0.6	91.7	3.58	1.379	0.6	91.7	3.58	1.379	0.65	77.8	2.31	1.379	0.64	77.8	2.36	2.069	0.67	86.1	2.58	-	-	-	-
		30	4.0	1.33	1.368	0.72	97.2	2.0	1.369	0.7	97.2	2.14	1.382	0.55	86.1	2.72	1.381	0.54	88.9	2.89	1.38	0.84	91.7	1.58	1.38	0.74	91.7	2.06	2.067	0.79	88.9	1.72	-	-	-	-
		50	6.17	1.03	1.369	0.83	100.0	1.44	1.37	0.83	100.0	1.44	1.379	0.57	83.3	2.11	1.38	0.57	83.3	2.11	1.379	0.88	97.2	1.22	1.382	0.78	100.0	1.58	2.064	0.83	100.0	1.39	-	-	-	-
		70	8.75	1.0	1.368	0.94	100.0	1.11	1.367	0.94	100.0	1.11	1.38	0.65	83.3	1.86	1.381	0.64	83.3	1.92	1.38	0.94	94.4	1.0	1.379	0.94	94.4	1.0	2.067	0.96	100.0	1.08	-	-	-	-
		100	12.0	1.0	1.368	0.96	100.0	1.08	1.367	0.96	100.0	1.08	1.381	0.66	83.3	1.75	1.38	0.66	83.3	1.75	1.381	1.0	100.0	1.0	1.382	1.0	100.0	1.0	2.065	1.0	100.0	1.0	-	-	-	-
Avg					1.71	0.77	94.8	2.35	1.709	0.76	95.5	2.5	1.755	0.54	86.86	3.41	1.754	0.51	88.48	3.66	1.724	0.79	93.85	2.11	1.721	0.72	96.24	2.77	2.901	0.74	91.9	2.47	0.0	0.0	0.0	0.0

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

Constraints (single) - Suboptimal

					δ_{HC}(L)				δ_{HCU}(L)				δ_{HC}(P)				δ_{HCU}(P)				δ_{HC}(S)				δ_{HCU}(S)				δ_{HC}(D)				δ_{HCU}(D)			
#	$\lvert\Gamma\rvert$	% Obs	$\lvert\Omega\rvert$	$\lvert\Gamma^*\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$	Time	AGR	ACC	$\lvert\Gamma^h\rvert$
BLOCKS (136)	20.3	10	1.42	7.61	4.025	0.41	94.4	8.97	4.745	0.41	94.4	8.97	4.135	0.39	97.2	8.64	4.856	0.39	97.2	8.64	4.049	0.44	94.4	8.25	4.772	0.44	94.4	8.39	5.772	0.38	94.4	7.17	-	-	-	-
		30	3.83	3.58	4.027	0.44	80.6	4.03	4.742	0.36	88.9	6.89	4.128	0.41	80.6	4.17	4.852	0.41	80.6	4.17	4.051	0.5	83.3	3.72	4.777	0.34	86.1	7.03	5.768	0.54	91.7	3.39	-	-	-	-
		50	5.92	3.19	4.034	0.37	58.3	2.06	4.75	0.39	72.2	3.28	4.129	0.51	83.3	3.5	4.853	0.51	83.3	3.5	4.05	0.5	86.1	3.22	4.775	0.42	94.4	5.92	5.774	0.55	83.3	2.58	-	-	-	-
		70	8.5	2.53	4.033	0.45	77.8	2.25	4.752	0.5	88.9	2.69	4.126	0.55	83.3	3.06	4.854	0.54	83.3	3.14	4.054	0.64	97.2	2.36	4.777	0.55	100.0	3.19	5.767	0.67	86.1	2.11	-	-	-	-
		100	11.83	2.25	4.033	0.52	75.0	2.0	4.749	0.6	91.7	2.58	4.124	0.58	91.7	3.5	4.853	0.58	91.7	3.5	4.059	0.74	100.0	1.92	4.779	0.74	100.0	1.92	5.767	0.78	91.7	2.0	-	-	-	-
DEPOTS (136)	8.0	10	1.92	2.17	1.672	0.33	83.3	4.94	1.991	0.33	83.3	4.94	1.708	0.32	100.0	6.69	2.034	0.32	100.0	6.69	1.684	0.35	97.2	5.97	2.008	0.35	97.2	5.97	2.234	0.33	75.0	4.72	-	-	-	-
		30	4.5	1.83	1.668	0.37	72.2	3.25	1.994	0.37	72.2	3.25	1.71	0.27	69.4	4.33	2.03	0.27	69.4	4.33	1.685	0.53	91.7	4.14	2.009	0.32	91.7	6.33	2.233	0.44	72.2	2.69	-	-	-	-
		50	6.75	1.14	1.671	0.44	86.1	3.39	1.991	0.42	86.1	3.53	1.708	0.17	55.6	3.75	2.031	0.17	55.6	3.75	1.683	0.71	100.0	2.67	2.01	0.34	100.0	5.61	2.239	0.63	83.3	1.86	-	-	-	-
		70	9.75	1.14	1.673	0.71	97.2	2.33	1.995	0.71	97.2	2.33	1.709	0.19	69.4	4.0	2.029	0.19	69.4	4.0	1.687	0.9	100.0	1.5	2.009	0.53	100.0	3.83	2.237	0.85	97.2	1.42	-	-	-	-
		100	13.33	1.0	1.677	0.94	100.0	1.17	1.998	0.94	100.0	1.17	1.708	0.15	91.7	5.75	2.029	0.15	91.7	5.75	1.686	0.94	100.0	1.25	2.008	0.94	100.0	1.25	2.234	0.94	100.0	1.25	-	-	-	-
DRIVERLOG (136)	6.7	10	2.17	1.92	1.287	0.47	100.0	4.25	1.518	0.47	100.0	4.25	1.295	0.41	88.9	3.78	1.527	0.41	88.9	3.78	1.291	0.47	88.9	3.92	1.526	0.45	91.7	4.42	1.604	0.44	83.3	3.17	-	-	-	-
		30	5.58	1.31	1.289	0.55	100.0	2.58	1.518	0.48	100.0	3.11	1.294	0.49	83.3	2.58	1.533	0.44	83.3	2.83	1.294	0.48	75.0	2.11	1.528	0.42	100.0	4.03	1.602	0.54	80.6	1.89	-	-	-	-
		50	8.75	1.33	1.288	0.64	100.0	2.14	1.518	0.61	100.0	2.56	1.296	0.54	77.8	2.28	1.53	0.54	86.1	2.64	1.294	0.61	94.4	2.22	1.527	0.36	97.2	3.97	1.602	0.6	80.6	1.58	-	-	-	-
		70	12.33	1.31	1.289	0.72	97.2	1.81	1.519	0.67	97.2	2.11	1.297	0.59	75.0	2.22	1.529	0.6	77.8	2.31	1.294	0.71	91.7	1.67	1.527	0.54	97.2	2.56	1.604	0.69	91.7	1.53	-	-	-	-
		100	17.0	1.17	1.289	0.69	100.0	1.75	1.519	0.69	100.0	1.75	1.295	0.58	75.0	2.17	1.527	0.58	75.0	2.17	1.294	0.79	100.0	1.42	1.525	0.79	100.0	1.42	1.605	0.79	100.0	1.5	-	-	-	-
DWR (136)	6.7	10	3.25	2.89	1.468	0.5	91.7	4.89	1.756	0.48	94.4	5.25	1.496	0.44	75.0	4.53	1.783	0.49	94.4	5.33	1.476	0.76	86.1	2.78	1.77	0.72	94.4	4.17	2.179	0.51	91.7	5.17	-	-	-	-
		30	9.08	1.83	1.467	0.43	77.8	3.11	1.756	0.32	88.9	4.61	1.497	0.39	80.6	3.64	1.786	0.36	94.4	5.44	1.478	0.69	86.1	2.28	1.771	0.5	100.0	4.33	2.181	0.4	83.3	3.83	-	-	-	-
		50	14.5	1.53	1.466	0.51	72.2	1.86	1.755	0.47	83.3	2.67	1.497	0.4	77.8	2.64	1.786	0.4	94.4	3.78	1.48	0.82	91.7	1.53	1.769	0.61	100.0	3.22	2.181	0.68	88.9	2.47	-	-	-	-
		70	20.25	1.17	1.468	0.66	83.3	1.5	1.757	0.62	91.7	1.94	1.498	0.36	72.2	2.0	1.784	0.38	77.8	2.33	1.481	0.89	97.2	1.22	1.769	0.64	100.0	2.64	2.184	0.78	80.6	1.25	-	-	-	-
		100	28.33	1.08	1.471	0.81	91.7	1.25	1.76	0.81	91.7	1.25	1.498	0.38	75.0	1.75	1.788	0.38	75.0	1.75	1.482	0.92	100.0	1.08	1.77	0.92	100.0	1.08	2.188	0.96	100.0	1.0	-	-	-	-
IPC-GRID (182)	7.5	10	2.06	1.58	1.586	0.86	100.0	2.0	1.906	0.8	100.0	2.56	1.677	0.25	100.0	7.23	1.997	0.25	100.0	7.23	1.593	0.6	91.7	3.1	1.912	0.55	93.8	3.85	3.839	0.49	100.0	5.65	-	-	-	-
		30	5.56	1.4	1.587	0.88	100.0	1.21	1.906	0.77	100.0	2.44	1.674	0.23	89.6	6.67	1.997	0.23	89.6	6.67	1.593	0.69	85.4	1.77	1.914	0.64	95.8	3.33	3.845	0.67	100.0	3.29	-	-	-	-
		50	8.88	1.35	1.586	0.89	97.9	1.13	1.903	0.82	100.0	1.42	1.675	0.29	72.9	5.21	1.996	0.29	72.9	5.21	1.593	0.81	100.0	1.31	1.915	0.65	100.0	2.77	3.839	0.8	100.0	2.1	-	-	-	-
		70	12.56	1.31	1.586	0.91	100.0	1.06	1.907	0.88	100.0	1.13	1.676	0.08	20.8	3.54	1.997	0.08	20.8	3.54	1.596	0.87	97.9	1.1	1.917	0.8	97.9	1.42	3.847	0.91	100.0	1.02	-	-	-	-
		100	17.25	1.5	1.586	0.94	100.0	1.0	1.911	0.94	100.0	1.0	1.674	0.05	0.0	1.94	2.0	0.05	0.0	1.94	1.601	0.94	100.0	1.0	1.916	0.94	100.0	1.0	3.849	0.94	100.0	1.0	-	-	-	-
FERRY (136)	6.7	10	3.33	2.69	1.142	0.72	100.0	4.14	1.325	0.69	100.0	4.39	1.153	0.5	100.0	5.44	1.336	0.49	100.0	5.53	1.148	0.71	100.0	4.19	1.328	0.63	100.0	4.78	1.272	0.7	88.9	3.75	-	-	-	-
		30	8.75	1.42	1.144	0.89	100.0	1.67	1.325	0.54	100.0	3.61	1.155	0.39	100.0	3.97	1.337	0.37	100.0	4.31	1.149	0.88	100.0	1.69	1.328	0.43	100.0	4.56	1.27	0.86	97.2	1.64	-	-	-	-
		50	14.0	1.28	1.146	0.88	100.0	1.5	1.327	0.71	100.0	2.36	1.153	0.44	100.0	3.69	1.34	0.42	100.0	4.11	1.149	0.88	100.0	1.5	1.328	0.62	100.0	2.81	1.273	0.9	97.2	1.53	-	-	-	-
		70	19.67	1.28	1.146	0.96	100.0	1.25	1.326	0.87	100.0	1.67	1.153	0.5	100.0	3.44	1.338	0.5	100.0	3.44	1.151	0.96	100.0	1.25	1.328	0.83	100.0	1.78	1.274	0.98	97.2	1.28	-	-	-	-
		100	27.5	1.25	1.151	0.96	100.0	1.17	1.325	0.96	100.0	1.17	1.155	0.51	100.0	3.33	1.339	0.51	100.0	3.33	1.153	0.96	100.0	1.17	1.327	0.96	100.0	1.17	1.271	1.0	100.0	1.25	-	-	-	-
LOGISTICS (136)	10.0	10	2.67	2.0	1.911	0.81	100.0	3.0	2.238	0.81	100.0	3.11	1.913	0.78	100.0	2.97	2.248	0.76	100.0	3.19	1.918	0.8	100.0	3.06	2.251	0.65	100.0	4.89	2.761	0.38	97.2	7.19	-	-	-	-
		30	7.5	1.14	1.912	0.93	100.0	1.31	2.239	0.78	100.0	1.97	1.916	0.7	100.0	1.94	2.254	0.69	100.0	2.03	1.919	0.85	100.0	1.5	2.254	0.55	100.0	4.08	2.695	0.59	94.4	2.78	-	-	-	-
		50	11.92	1.06	1.912	0.94	100.0	1.19	2.24	0.84	100.0	1.47	1.915	0.7	100.0	1.72	2.251	0.7	100.0	1.72	1.918	0.87	100.0	1.33	2.256	0.67	100.0	2.89	2.7	0.73	94.4	2.0	-	-	-	-
		70	16.67	1.03	1.906	0.99	100.0	1.06	2.243	0.95	100.0	1.14	1.917	0.71	100.0	1.67	2.253	0.71	100.0	1.67	1.918	0.96	100.0	1.11	2.253	0.87	100.0	1.33	2.705	0.98	100.0	1.11	-	-	-	-
		100	23.17	1.0	1.909	1.0	100.0	1.0	2.245	1.0	100.0	1.0	1.924	0.69	100.0	1.67	2.255	0.69	100.0	1.67	1.916	1.0	100.0	1.0	2.256	1.0	100.0	1.0	2.71	1.0	100.0	1.0	-	-	-	-
MICONIC (136)	6.0	10	3.0	1.83	1.193	0.68	100.0	3.14	1.415	0.68	100.0	3.19	1.203	0.51	100.0	4.03	1.425	0.45	100.0	4.81	1.199	0.54	100.0	3.94	1.421	0.44	100.0	5.03	1.614	0.75	100.0	2.86	-	-	-	-
		30	7.67	1.25	1.196	0.77	100.0	1.78	1.415	0.64	100.0	2.58	1.203	0.6	100.0	2.42	1.427	0.3	100.0	4.97	1.2	0.6	100.0	2.42	1.423	0.26	100.0	5.42	1.623	0.82	100.0	1.64	-	-	-	-
		50	12.25	1.03	1.194	0.97	100.0	1.11	1.419	0.8	100.0	1.53	1.204	0.88	100.0	1.31	1.425	0.37	100.0	3.53	1.2	0.88	100.0	1.31	1.421	0.29	100.0	4.39	1.625	0.98	100.0	1.08	-	-	-	-
		70	17.33	1.0	1.196	0.99	100.0	1.03	1.421	0.94	100.0	1.11	1.203	0.94	100.0	1.11	1.426	0.6	100.0	2.22	1.201	0.94	100.0	1.11	1.425	0.49	100.0	3.03	1.624	0.99	100.0	1.03	-	-	-	-
		100	24.0	1.0	1.195	1.0	100.0	1.0	1.419	1.0	100.0	1.0	1.203	1.0	100.0	1.0	1.425	1.0	100.0	1.0	1.198	1.0	100.0	1.0	1.423	1.0	100.0	1.0	1.617	1.0	100.0	1.0	-	-	-	-
ROVERS (136)	6.0	10	1.83	2.39	1.281	0.79	94.4	3.14	1.542	0.79	94.4	3.14	1.288	0.66	100.0	4.28	1.552	0.66	100.0	4.28	1.282	0.59	100.0	4.67	1.542	0.55	100.0	4.92	1.727	0.38	61.1	3.64	-	-	-	-
		30	4.5	1.39	1.28	0.86	100.0	1.61	1.542	0.79	100.0	2.11	1.287	0.74	100.0	2.25	1.552	0.5	100.0	3.86	1.282	0.62	100.0	2.81	1.543	0.41	100.0	4.69	1.728	0.38	72.2	2.86	-	-	-	-
		50	7.17	1.11	1.282	0.99	100.0	1.08	1.541	0.94	100.0	1.17	1.287	0.94	100.0	1.28	1.552	0.57	100.0	2.81	1.283	0.72	100.0	1.86	1.545	0.33	100.0	4.64	1.726	0.65	86.1	1.72	-	-	-	-
		70	10.0	1.06	1.282	0.98	100.0	1.11	1.541	0.94	100.0	1.25	1.288	0.93	100.0	1.25	1.552	0.78	100.0	1.69	1.283	0.88	100.0	1.33	1.545	0.55	100.0	3.19	1.728	0.85	88.9	1.14	-	-	-	-
		100	13.67	1.0	1.282	1.0	100.0	1.0	1.545	1.0	100.0	1.0	1.289	1.0	100.0	1.0	1.558	1.0	100.0	1.0	1.282	1.0	100.0	1.0	1.55	1.0	100.0	1.0	1.729	1.0	100.0	1.0	-	-	-	-
SATELLITE (136)	6.0	10	2.0	3.25	1.098	0.8	97.2	4.03	1.287	0.8	97.2	4.03	1.105	0.78	100.0	4.44	1.295	0.78	100.0	4.44	1.097	0.79	91.7	3.56	1.29	0.68	100.0	4.97	1.388	0.83	100.0	3.61	-	-	-	-
		30	4.33	1.78	1.097	0.74	97.2	2.69	1.286	0.74	97.2	2.78	1.106	0.7	100.0	3.06	1.296	0.66	100.0	3.39	1.099	0.67	80.6	2.11	1.293	0.47	94.4	4.25	1.391	0.78	100.0	2.33	-	-	-	-
		50	6.75	1.36	1.097	0.83	100.0	1.83	1.288	0.79	100.0	2.06	1.105	0.78	100.0	2.14	1.294	0.65	100.0	2.83	1.099	0.84	94.4	1.5	1.294	0.38	100.0	4.33	1.389	0.84	100.0	1.56	-	-	-	-
		70	9.42	1.33	1.097	0.92	100.0	1.56	1.285	0.92	100.0	1.56	1.105	0.9	100.0	1.67	1.296	0.88	100.0	1.78	1.103	0.87	97.2	1.44	1.292	0.6	100.0	2.75	1.389	0.91	100.0	1.39	-	-	-	-
		100	12.75	1.25	1.099	1.0	100.0	1.25	1.285	1.0	100.0	1.25	1.107	1.0	100.0	1.25	1.297	1.0	100.0	1.25	1.101	0.96	100.0	1.17	1.292	0.96	100.0	1.17	1.392	0.96	100.0	1.17	-	-	-	-
SOKOBAN (136)	8.7	10	3.33	1.83	2.473	0.3	69.4	4.36	3.078	0.29	72.2	4.61	2.719	0.24	91.7	6.58	3.324	0.24	91.7	6.58	2.532	0.38	47.2	1.94	3.138	0.38	69.4	3.64	8.428	0.27	50.0	2.81	-	-	-	-
		30	8.67	1.28	2.473	0.43	75.0	2.81	3.084	0.34	91.7	5.19	2.718	0.14	33.3	2.17	3.324	0.14	33.3	2.28	2.531	0.72	75.0	1.19	3.134	0.52	97.2	3.22	8.419	0.35	58.3	2.25	-	-	-	-
		50	13.75	1.33	2.473	0.51	75.0	1.94	3.079	0.38	100.0	4.67	2.718	0.17	16.7	1.25	3.32	0.16	25.0	1.67	2.529	0.77	80.6	1.25	3.138	0.54	100.0	3.28	8.404	0.5	83.3	2.33	-	-	-	-
		70	19.33	1.36	2.474	0.58	80.6	1.53	3.081	0.53	91.7	2.61	2.713	0.17	19.4	1.53	3.317	0.15	22.2	1.83	2.526	0.85	100.0	1.17	3.132	0.82	100.0	1.69	8.412	0.65	94.4	1.61	-	-	-	-
		100	27.0	1.33	2.483	0.73	91.7	1.25	3.078	0.73	91.7	1.25	2.704	0.22	41.7	1.92	3.31	0.22	41.7	1.92	2.53	0.88	100.0	1.08	3.137	0.88	100.0	1.08	8.421	0.82	100.0	1.08	-	-	-	-
ZENO (136)	6.0	10	2.0	1.78	1.366	0.59	97.2	3.58	1.651	0.59	97.2	3.58	1.379	0.55	97.2	3.31	1.666	0.55	97.2	3.31	1.381	0.68	86.1	2.39	1.664	0.67	94.4	2.97	2.069	0.62	88.9	2.25	-	-	-	-
		30	5.42	1.14	1.368	0.76	97.2	1.69	1.653	0.61	97.2	2.69	1.38	0.55	83.3	2.33	1.663	0.54	83.3	2.36	1.379	0.76	91.7	1.47	1.665	0.57	100.0	3.0	2.07	0.83	91.7	1.36	-	-	-	-
		50	8.25	1.06	1.369	0.86	97.2	1.31	1.655	0.68	97.2	2.17	1.383	0.67	86.1	2.0	1.665	0.66	86.1	2.06	1.381	0.85	91.7	1.19	1.662	0.69	100.0	1.94	2.067	0.92	94.4	1.14	-	-	-	-
		70	11.75	1.0	1.368	0.94	100.0	1.11	1.653	0.93	100.0	1.14	1.382	0.64	86.1	1.97	1.665	0.64	86.1	1.97	1.379	0.94	97.2	1.06	1.667	0.86	100.0	1.28	2.063	0.95	100.0	1.11	-	-	-	-
		100	16.17	1.0	1.371	0.96	100.0	1.08	1.657	0.96	100.0	1.08	1.383	0.66	83.3	1.75	1.661	0.66	83.3	1.75	1.379	1.0	100.0	1.0	1.664	1.0	100.0	1.0	2.062	1.0	100.0	1.0	-	-	-	-
Avg					1.71	0.74	93.48	2.19	2.039	0.7	95.83	2.64	1.756	0.52	83.75	3.11	2.087	0.48	85.05	3.42	1.722	0.76	94.49	2.1	2.053	0.62	98.12	3.35	2.904	0.72	91.53	2.24	0.0	0.0	0.0	0.0

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