

SUPPLEMENTARY ONLINE MATERIAL

Table 1: Data summary for all 233 SHS survey fields. Note there are 63 fields with no calibration factors determined (usually due to poor dynamic range or high chemical fog, or both). A default value of 12.0 ± 3.0 counts $\text{pix}^{-1} \text{R}^{-1}$ can be used for these fields, as explained in the text.

Field	Cont. factor	Cal. factor (count $\text{pix}^{-1} \text{R}^{-1}$)	Quality	Comment
HAL0067	...	(12.0)	3	small dynamic range
HAL0068	...	(12.0)	3	small dynamic range
HAL0069	...	(12.0)	3	small dynamic range
HAL0070	...	(12.0)	3	photographic fog
HAL0096	...	13.3	3	small dynamic range
HAL0097	0.98	11.4	2	...
HAL0098	0.83	13.9	2	photographic fog
HAL0099	0.42	(12.0)	3	photographic fog
HAL0100	1.10	12.7	1	...
HAL0101	1.12	11.7	2	small dynamic range
HAL0102	...	(12.0)	3	small dynamic range
HAL0103	0.44	6.2	2	photographic fog
HAL0131	0.62	(12.0)	3	photographic fog
HAL0132	0.91	10.0	2	...
HAL0133	1.29	6.3	2	...
HAL0134	1.27	10.3	1	saturates at 500 R
HAL0135	0.92	6.6	1	...
HAL0136	0.87	12.0	2	...
HAL0137	1.24	18.9	2	large scatter
HAL0138	0.91	8.7	2	large scatter
HAL0139	0.90	13.2	2	large scatter
HAL0140	0.96	10.0	2	large scatter
HAL0141	1.16	9.5	2	large scatter
HAL0171	...	(12.0)	3	small dynamic range
HAL0172	...	(12.0)	3	photographic fog
HAL0173	...	16.3	2	small dynamic range
HAL0174	1.06	12.7	2	...
HAL0175	0.65	11.2	1	saturates at 800 R
HAL0176	0.72	13.3	1	...
HAL0177	1.29	9.4	2	polynomial fit
HAL0178	1.08	13.9	1	...
HAL0179	1.02	12.4	2	...
HAL0180	1.05	13.2	2	...
HAL0181	1.42	10.8	2	poor fit
HAL0182	1.12	7.0	2	...
HAL0183	1.00	13.1	2	...
HAL0184	1.04	7.2	1	...
HAL0185	...	(12.0)	3	small dynamic range
HAL0186	...	(12.0)	3	small dynamic range
HAL0219	...	(12.0)	3	small dynamic range
HAL0220	...	7.3	2	photographic fog
HAL0221	1.09	13.1	2	...
HAL0222	1.05	11.3	1	...
HAL0223	1.23	12.5	1	...
HAL0224	0.87	12.6	1	...
HAL0225	1.19	10.0	2	two trends
HAL0226	1.12	(12.0)	3	small dynamic range
HAL0227	1.28	(12.0)	3	small dynamic range
HAL0228	1.09	6.6	1	...
HAL0229	1.42	13.9	2	...
HAL0230	...	10.0	2	small dynamic range
HAL0231	0.96	(12.0)	3	photographic fog
HAL0232	1.23	12.6	2	...
HAL0233	1.14	9.9	2	...
HAL0234	0.99	12.8	1	...
HAL0235	0.64	15.0	2	photographic fog
HAL0236	...	(12.0)	3	small dynamic range

Table 1 – Continued

Field	Cont. factor	Cal. factor (count pix ⁻¹ R ⁻¹)	Quality	Comment
HAL0237	1.05	11.4	2	photographic fog
HAL0272	0.96	11.1	2	...
HAL0273	...	(12.0)	3	fit failed
HAL0274	1.29	12.8	1	...
HAL0275	1.07	14.3	2	...
HAL0276	0.47	(12.0)	3	photographic fog
HAL0277	1.11	16.9	2	small dynamic range
HAL0278	1.13	18.0	2	poor fit
HAL0279	...	(12.0)	3	small dynamic range
HAL0285	0.41	13.9	2	photographic fog
HAL0286	...	(12.0)	3	photographic fog
HAL0287	0.44	(12.0)	3	photographic fog
HAL0288	1.32	(12.0)	3	small dynamic range
HAL0289	1.15	18.3	2	polynomial fit
HAL0290	0.68	12.0	2	poor fit
HAL0291	0.65	17.9	2	photographic fog
HAL0292	...	(12.0)	3	...
HAL0329	0.87	11.6	2	two trends
HAL0330	0.63	13.1	1	...
HAL0331	1.06	7.3	2	...
HAL0332	1.08	9.3	2	...
HAL0333	...	(12.0)	3	small dynamic range
HAL0334	0.74	(12.0)	3	photographic fog
HAL0335	1.0	16.4	3	small dynamic range
HAL0345	1.25	(12.0)	3	photographic fog
HAL0346	...	(12.0)	3	photographic fog
HAL0347	1.09	10.7	2	photographic fog
HAL0348	0.90	12.5	2	polynomial fit
HAL0349	1.06	18.5	1	...
HAL0350	1.37	14.5	1	saturates at 500 R
HAL0351	0.78	11.5	1	...
HAL0352	0.96	10.8	2	...
HAL0390	1.03	9.0	1	...
HAL0391	0.82	17.1	1	...
HAL0392	0.89	15.5	1	...
HAL0393	1.07	9.9	2	poor fit
HAL0394	1.04	10.2	2	...
HAL0395	1.16	10.8	2	...
HAL0396	1.07	8.5	1	...
HAL0410	...	(12.0)	3	small dynamic range
HAL0411	1.19	15.1	2	small dynamic range
HAL0412	1.05	(12.0)	3	small dynamic range
HAL0413	0.83	11.3	2	large scatter
HAL0414	1.12	9.4	1	...
HAL0415	1.20	13.3	2	polynomial fit
HAL0416	1.27	14.7	2	...
HAL0417	...	16.2	2	poor fit
HAL0456	0.78	12.1	2	polynomial fit
HAL0457	1.06	8.8	1	...
HAL0458	0.98	9.0	2	polynomial fit
HAL0459	1.00	8.7	1	...
HAL0460	1.14	9.5	1	small dynamic range
HAL0461	1.22	9.4	2	...
HAL0462	1.02	12.8	1	fog on SR
HAL0480	1.05	(12.0)	3	small dynamic range
HAL0481	1.27	14.2	1	...
HAL0482	1.18	17.5	1	...
HAL0483	0.91	13.1	1	...
HAL0484	0.56	11.7	2	...
HAL0485	...	14.0	2	small dynamic range
HAL0526	0.86	12.4	1	...
HAL0527	1.10	10.3	2	polynomial fit
HAL0528	0.83	15.2	1	...
HAL0529	1.11	12.2	2	...

Table 1 – Continued

Field	Cont. factor	Cal. factor (count pix ⁻¹ R ⁻¹)	Quality	Comment
HAL0530	1.01	11.9	2	large scatter
HAL0531	0.99	15.0	2	poor fit
HAL0552	1.10	13.7	2	small dynamic range
HAL0553	1.03	10.3	2	poor fit
HAL0554	1.17	16.2	1	...
HAL0555	1.17	14.6	1	saturates at 600 R
HAL0556	1.01	14.0	2	...
HAL0557	0.44	17.9	2	photographic fog
HAL0598	...	10.2	2	large scatter
HAL0599	1.10	7.5	1	...
HAL0600	1.18	8.5	2	...
HAL0601	1.10	8.2	2	...
HAL0602	1.04	9.2	2	poor fit
HAL0603	1.13	12.3	2	poor fit
HAL0627	...	6.0	2	photographic fog
HAL0628	1.30	15.3	2	two trends
HAL0629	1.04	12.0	3	small dynamic range
HAL0630	0.99	14.3	2	two trends
HAL0631	1.16	12.8	1	...
HAL0632	1.20	16.1	2	poor fit
HAL0633	...	(12.0)	3 ...	
HAL0675	0.95	11.7	2	poor fit
HAL0676	0.97	6.9	2	...
HAL0677	1.14	9.3	1	...
HAL0678	1.10	11.0	2	poor fit
HAL0679	1.21	(12.0)	3	small dynamic range
HAL0680	1.08	12.9	2	poor fit
HAL0707	1.19	15.4	2	polynomial fit
HAL0708	1.18	(12.0)	3	small dynamic range
HAL0709	0.92	14.1	2	poor fit
HAL0710	0.97	13.4	1	...
HAL0711	0.64	(12.0)	3	photographic fog
HAL0712	0.40	20.6	2	poor fit
HAL0713	1.10	14.2	2	photographic fog
HAL0756	1.23	13.0	1	...
HAL0757	0.96	11.2	1	...
HAL0758	1.19	7.8	2	poor fit
HAL0759	1.15	6.6	2	poor fit
HAL0760	...	(12.0)	3	photographic fog
HAL0761	0.98	8.9	2	poor fit
HAL0792	0.99	(12.0)	3	photographic fog
HAL0793	1.21	17.8	2	poor fit
HAL0794	0.73	11.1	1	...
HAL0795	1.01	12.3	1	saturates at 700 R
HAL0796	1.21	15.0	2	poor fit
HAL0797	1.11	(12.0)	3	photographic fog
HAL0841	1.13	9.4	2	small dynamic range
HAL0842	1.06	7.8	2	...
HAL0843	0.99	9.7	2	...
HAL0844	...	9.7	2	photographic fog
HAL0845	1.15	14.9	2	poor fit
HAL0878	0.99	12.3	2	poor fit
HAL0879	1.22	13.3	2	poor fit
HAL0880	0.98	14.0	1	linear fit
HAL0881	1.51	9.0	1	...
HAL0882	1.18	(12.0)	3	small dynamic range
HAL0926	...	(12.0)	3	photographic fog
HAL0927	1.03	9.9	2	poor fit
HAL0928	1.22	13.3	2	small dynamic range
HAL0929	1.18	14.3	2	polynomial fit
HAL0930	0.80	(12.0)	3	photographic fog
HAL0931	0.94	(12.0)	3	photographic fog
HAL0967	0.77	21.4	2	photographic fog
HAL0968	...	14.4	2	poor fit

Table 1 – Continued

Field	Cont. factor	Cal. factor (count pix ⁻¹ R ⁻¹)	Quality	Comment
HAL0969	1.14	20.4	2	large scatter
HAL0970	0.87	14.0	1	saturates at 600 R
HAL0971	1.19	8.5	1	...
HAL0972	0.40	(12.0)	3	photographic fog
HAL1016	...	(12.0)	3	small dynamic range
HAL1017	1.11	7.0	2	polynomial fit
HAL1018	0.98	9.8	2	polynomial fit
HAL1019	...	(12.0)	3	small dynamic range
HAL1020	...	(12.0)	3	small dynamic range
HAL1021	...	(12.0)	3	small dynamic range
HAL1058	1.21	14.1	2	polynomial fit
HAL1059	1.02	14.4	2	polynomial fit
HAL1060	0.97	16.1	1	...
HAL1061	1.20	16.0	2	...
HAL1062	1.00	(12.0)	3	photographic fog
HAL1063	...	(12.0)	3	small dynamic range
HAL1106	1.24	7.8	2	...
HAL1107	...	10.0	2	poor fit
HAL1108	1.08	7.5	1	...
HAL1109	1.07	7.7	1	polynomial fit
HAL1110	...	(12.0)	3	small dynamic range
HAL1149	1.11	(12.0)	3	small dynamic range
HAL1150	1.19	16.6	2	...
HAL1151	1.15	12.6	2	...
HAL1152	1.31	11.1	2	small dynamic range
HAL1153	...	(12.0)	3	small dynamic range
HAL1195	...	(12.0)	3	small dynamic range
HAL1196	0.56	(12.0)	3	photographic fog
HAL1197	1.08	7.0	2	poor fit
HAL1198	0.55	(12.0)	3	photographic fog
HAL1199	0.77	(12.0)	3	photographic fog
HAL1200	...	(12.0)	3	photographic fog
HAL1239	...	(12.0)	3	photographic fog
HAL1240	1.24	14.2	2	poor fit
HAL1241	1.09	14.0	2	poor fit
HAL1242	1.08	16.0	2	poor fit
HAL1243	1.18	(12.0)	3	small dynamic range
HAL1244	...	(12.0)	3	small dynamic range
HAL1285	0.92	(12.0)	3	photographic fog
HAL1286	0.97	12.8	1	...
HAL1287	1.23	14.0	2	...
HAL1288	1.25	(12.0)	3	photographic fog
HAL1289	...	(12.0)	3	photographic fog
HAL1330	1.28	12.0	2	small dynamic range
HAL1331	1.24	13.7	2	...
HAL1332	1.04	14.8	2	large scatter
HAL1333	1.59	14.5	2	small dynamic range
HAL1334	0.80	(12.0)	3	photographic fog