Table 2. Infrared Standard Stars

n	HST	RA (J2000)	DEC	J	unc	H	unc	K	unc	Ks	unc	N				note
9101	P525-E	00:24:28.3	07:49:02	11.622	0.005	11.298	0.005	11.223	0.008	11.223	0.005	16	16	10	17	4
9103	S294-D	00:33:15.2	-39:24:10	10.932	0.006	10.657	0.004	10.596	0.005	10.594	0.004	15	16	9	16	1
9104	S754-C	01:03:15.8	-04:20:44	11.045	0.005	10.750	0.005	10.693	0.010	10.695	0.005	17	17	8	17	2
9105	P530-D	02:33:32.1	06:25:38	11.309	0.010	10.975	0.006	10.897	0.006	10.910	0.005	8	8	7	8	1
9106	S301-D	03:26:53.9	-39:50:38	12.153	0.007	11.842	0.005	11.772	0.010	11.788	0.006	11	11	6	11	1
9107	P247-U	03:32:03.0	37:20:40	11.934	0.005	11.610	0.004	11.492	0.011	11.503	0.005	16	18	6	18	3
9108	P533-D	03:41:02.4	06:56:13	11.737	0.009	11.431	0.006	11.337	0.008	11.336	0.005	9	9	8	9	1
9109	S055-D	04:18:18.9	-69:27:35	11.552	0.002	11.326	0.002	11.255	0.027	11.269	0.002	65	65	2	66	2
9111	S361-D	04:49:54.6	-35:11:17	11.246	0.006	11.031	0.006	10.992	0.033	10.980	0.006	11	11	1	11	2
9113	S252-D	05:10:25.6	-44:52:46	11.059	0.005	10.766	0.005	10.708	0.034	10.713	0.005	16	16	1	16	2
9115	S363-D	05:36:44.8	-34:46:39	12.069	0.007	11.874	0.005	11.826	0.007	11.831	0.005	16	16	13	15	1
9116	S840-F	05:42:32.1	00:09:04	11.426	0.009	11.148	0.009	11.077	0.014	11.058	0.008	4	4	3	4	4
9118	S842-E	06:22:43.7	-00:36:30	11.723	0.011	11.357	0.009	11.264	0.016	11.261	0.010	3	3	2	3	3
9119	S121-E	06:29:29.4	-59:39:31	12.114	0.006	11.838	0.005	11.765	0.009	11.781	0.005	16	15	6	16	1
9121	S255-S	06:42:36.5	-45:09:12	11.719	0.004	11.434	0.004	...	...	11.372	0.004	27	27	0	26	2
9122	P161-D	07:00:52.0	48:29:24	11.680	0.006	11.408	0.006	11.356	0.013	11.352	0.006	8	8	3	8	3
9123	S427-D	06:59:45.6	-30:13:44	10.833	0.007	10.499	0.007	10.431	0.015	10.442	0.009	9	9	3	9	2
9125	S005-D	07:19:38.6	-84:35:06	10.885	0.007	10.598	0.006	10.514	0.013	10.522	0.008	9	9	4	9	2
9126	P309-U	07:30:34.5	29:51:12	11.876	0.013	11.522	0.014	...	...	11.450	0.022	2	2	0	2	3
9129	S209-D	08:01:15.4	-50:19:33	10.914	0.007	10.585	0.006	10.487	0.021	10.496	0.009	9	9	2	9	2
9131	P035-R	08:25:43.8	73:01:18	10.819	0.008	10.546	0.007	10.499	0.010	10.515	0.008	6	6	4	6	3
9132	S312-T	08:25:36.1	-39:05:59	11.949	0.006	11.669	0.005	11.608	0.004	11.609	0.004	16	16	14	17	1
9133	S495-E	08:27:12.5	-25:08:01	11.521	0.007	11.048	0.008	10.965	0.016	10.960	0.010	7	7	3	7	2
9134	P545-C	08:29:25.1	05:56:08	11.881	0.007	11.624	0.005	11.575	0.005	11.596	0.006	11	11	11	9	1
9135	S705-D	08:36:12.5	-10:13:39	12.362	0.010	12.098	0.011	...	...	12.040	0.014	4	4	0	4	2
9136	S165-E	08:54:21.7	-54:48:08	12.489	0.008	12.214	0.008	12.138	0.018	12.142	0.011	8	7	3	8	2
9137	S372-S	09:15:50.5	-36:32:34	11.153	0.007	10.891	0.007	10.830	0.019	10.836	0.010	7	7	2	7	2
9138	S852-C	09:41:35.8	00:33:12	11.354	0.006	11.041	0.006	10.981	0.015	10.982	0.008	9	9	3	9	4
9139	P091-D	09:42:58.7	59:03:43	11.683	0.008	11.338	0.007	11.276	0.011	11.282	0.010	5	5	3	5	3
9140	S262-E	09:45:42.8	-45:49:40	11.409	0.011	11.085	0.008	...	...	11.022	0.012	4	4	0	4	2
9141	S708-D	09:48:56.4	-10:30:32	11.081	0.008	10.775	0.008	10.715	0.035	10.718	0.010	6	6	1	6	2
9142	P212-C	10:06:29.0	41:01:26	11.993	0.006	11.729	0.005	11.686	0.009	11.697	0.007	9	9	5	9	3
9143	P550-C	10:33:51.8	04:49:05	12.344	0.007	12.121	0.005	12.067	0.006	12.081	0.005	12		12 12	12	1
9144	S264-D	10:47:24.1	-44:34:05	11.642	0.009	11.335	0.008	11.263	0.018	11.280	0.010	6	6	2	6	2
9145	P064-D	12:13:12.0	64:28:56	11.958	0.009	11.711	0.008	11.664	0.011	11.675	0.009	4	4	3	4	3
9146	S217-D	12:01:45.2	-50:03:10	11.323	0.007	11.002	0.005	10.931	0.003	10.936	0.004	17	18	15	18	1
9147	S064-F	12:03:30.2	-69:04:56	12.111	0.007	11.803	0.007	11.722	0.013	11.724	0.007	9	9	4	9	2
9148	P266-C	12:14:25.4	35:35:55	11.642	0.009	11.378	0.008	11.324	0.011	11.343	0.008	4	4	4	4	3
9149	S860-D	12:21:39.3	-00:07:13	12.213	0.007	11.917	0.006	11.861	0.005	11.865	0.005	14	14	12	14	1
9150	S791-C	13:17:29.6	-05:32:37	11.661	0.008	11.310	0.007	11.250	0.014	11.267	0.008	7	7	3	7	2

Table 2. Infrared Standard Stars (cont.)

n	HST	RA (J2000)	DEC	J	unc	H	unc	K	unc	Ks	unc	N				note
9152	P133-C	13:58:40.2	52:06:24	11.149	0.009	10.878	0.007	10.831	0.011	10.839	0.010	4	4	4	4	3
9153	P499-E	14:07:33.9	12:23:51	11.947	0.008	11.605	0.008	11.560	0.013	11.540	0.008	7	7	3	7	3
9154	S008-D	14:23:45.5	-84:09:58	11.232	0.007	10.990	0.007	10.904	0.009	10.915	0.008	8	8	7	8	2
9155	S867-V	14:40:58.0	-00:27:47	12.045	0.008	11.701	0.005	11.622	0.005	11.633	0.005	11	11	10	11	1
9156	P041-C	14:51:57.9	71:43:13	10.873	0.008	10.588	0.006	10.523	0.009	10.530	0.007	6	6	5	6	3
9157	S273-E	14:56:51.9	-44:49:14	11.341	0.007	10.924	0.005	10.851	0.004	10.849	0.004	16	17	15	17	1
9158	P272-D	14:58:33.1	37:08:33	11.640	0.008	11.277	0.006	11.210	0.008	11.223	0.007	6	6	6	6	3
9160	S870-T	15:39:03.5	00:14:54	10.914	0.008	10.701	0.008	10.649	0.010	10.659	0.009	6	6	5	6	2
9162	P177-D	15:59:13.6	47:36:40	12.258	0.012	11.924	0.008	11.857	0.013	11.868	0.012	3	3	3	3	3
9164	P565-C	16:26:42.7	05:52:20	12.180	0.007	11.895	0.006	11.842	0.007	11.844	0.006	8	8	6	7	1
9166	P330-E	16:31:33.6	30:08:48	11.816	0.007	11.479	0.005	11.419	0.007	11.429	0.006	9	9	9	9	3
9169	P138-C	17:13:44.5	54:33:21	11.355	0.007	11.118	0.005	11.075	0.008	11.080	0.007	8	8	8	8	3
9170	S875-C	17:27:22.2	-00:19:25	11.132	0.005	10.835	0.005	10.739	0.006	10.744	0.005	13	13	13	13	4
9172	S279-F	17:48:22.6	-45:25:45	12.477	0.009	12.118	0.006	12.026	0.006	12.031	0.006	8	8	8	8	1
9173	S024-D	18:18:46.2	-80:06:58	11.039	0.007	10.778	0.007	10.693	0.009	10.711	0.008	8	8	7	8	2
9175	S071-D	18:28:08.9	-69:26:03	12.252	0.006	11.916	0.007	11.834	0.011	11.839	0.007	11	11	6	11	2
9177	P182-E	18:39:33.7	49:05:38	12.104	0.005	11.764	0.004	11.688	0.006	11.696	0.005	15	15	15	15	3
9178	S808-C	19:01:55.4	-04:29:12	10.966	0.007	10.658	0.008	10.566	0.014	10.575	0.008	9	9 4	9	2	
9181	S234-E	20:31:20.4	-49:38:58	12.464	0.011	12.127	0.008	12.095	0.007	12.070	0.007	5	5 4	5	1	
9182	S813-D	20:41:05.1	-05:03:43	11.479	0.005	11.142	0.005	11.082	0.010	11.085	0.005	15	15	7	15	2
9183	P576-F	20:52:47.3	06:40:05	12.247	0.004	11.940	0.004	11.873	0.007	11.880	0.005	23	23	14	23	4
9185	S889-E	22:02:05.7	-01:06:02	12.021	0.005	11.662	0.004	11.586	0.012	11.585	0.005	18	18	8	18	4
9186	S893-D	23:18:10.0	00:32:56	11.403	0.009	11.120	0.006	11.045	0.006	11.055	0.006	7	7	6	7	1
9187	S677-D	23:23:34.4	-15:21:07	11.857	0.003	11.596	0.003	11.538	0.009	11.542	0.003	39	39	10	39	2
9188	P290-D	23:30:33.4	38:18:57	11.634	0.005	11.337	0.004	11.257	0.008	11.262	0.006	15	15	8	15	3

Notes to Tables 2 and 3. 1. These 17 new standards were selected to lie close on the sky to an E82 standard. Measured on the Las Campanas 1-m Swope Telescope using IRCAM and referred directly to several E82 standards on each night.

2. Measured on the Las Campanas 1-m Swope Telescope using the C40IRC and referred to the code 1 (part 1) new standards.

3. Measured on the Palomar Observatory 60-inch Telescope using the P60IRC and referred to the equatorial code 1 (part 1) new standards.

4. Measured on both telescopes; results averaged.

Table 3. Red Stars

Name	RA (J2000)	DEC	J	unc	H	unc	K	unc	Ksh	unc	N				note
BRI0021	00:24:24.6	-01:58:22	11.835	0.008	11.086	0.007	10.552	0.010	10.561	0.008	6	6	6	6	4
T832-38078	03:04:02.0	00:45:52	11.833	0.010	11.248	0.008	10.890	0.013	10.913	0.008	5	5	5	5	4
LHS191	04:26:20.1	03:36:40	11.621	0.013	11.058	0.012	10.667	0.020	10.717	0.016	2	2	2	2	2
IRAS537W	05:40:10.5	-07:27:38	12.974	0.009	11.032	0.009	9.981	0.013	10.013	0.011	4	4	3	4	2
IRAS537S	05:40:15.4	-07:28:46	13.855	0.012	12.087	0.009	10.972	0.014	11.035	0.012	3	3	3	3	2
LHS2026	08:32:30.5	-01:34:37	12.066	0.006	11.497	0.005	11.129	0.007	11.156	0.008	10	10	10	10	2
LHS2397a	11:21:49.2	-13:13:10	11.897	0.008	11.190	0.007	10.691	0.008	10.709	0.010	6	6	6	6	2
cskd-8	12:31:13.3	-63:40:21	11.741	0.010	9.913	0.010	9.151	0.011	9.137	0.013	4	4	4	4	2
cskd-9	12:31:16.7	-63:40:11	11.372	0.010	9.788	0.010	9.161	0.011	9.154	0.013	4	4	4	4	2
cskd-12	12:31:30.0	-63:42:41	11.585	0.007	9.506	0.005	8.617	0.007	8.608	0.007	8	8	8	8	2
cskd-15a	12:31:44.5	-63:49:08	10.879	0.010	9.286	0.007	8.625	0.010	8.617	0.011	4	4	4	4	2
cske-23	12:31:56.0	-63:37:43	10.624	0.008	8.762	0.006	7.917	0.008	7.889	0.008	5	5	5	5	2
cskd-16	12:31:57.8	-63:42:21	11.986	0.011	9.982	0.008	9.137	0.011	9.124	0.010	3	3	3	3	2
cskd-18	12:31:59.2	-63:41:42	9.365	0.010	9.058	0.008	8.999	0.011	8.992	0.010	3	3	3	3	2
cskd-20	12:32:04.0	-63:43:46	9.903	0.011	8.590	0.008	8.089	0.011	8.077	0.010	3	3	3	3	2
cskd-21	12:32:10.9	-63:43:16	10.382	0.006	9.918	0.006	9.647	0.007	9.658	0.007	9	9	9	9	2
cskd-34	12:31:23.6	-63:46:45	12.494	0.015	10.537	0.014	9.677	0.016	9.668	0.019	2	2	2	2	2
cskd-37	12:31:30.1	-63:47:12	12.489	0.015	10.415	0.014	9.528	0.016	9.513	0.019	2	2	2	2	2
cskf-12	12:31:30.1	-63:51:03	9.671	0.008	8.858	0.007	8.561	0.009	8.561	0.008	5	5	5	5	2
cskf-13a	12:31:39.5	-63:51:03	10.631	0.010	9.861	0.009	9.486	0.011	9.506	0.011	4	4	4	4	2
cskf-14a	12:31:45.9	-63:49:36	10.095	0.008	8.851	0.007	8.387	0.009	8.361	0.008	5	5	5	5	2
T868-53850	15:00:26.4	-00:39:29	11.589	0.008	10.993	0.008	10.633	0.009	10.657	0.012	5	5	5	5	2
T868-110639	15:10:17.0	-02:41:05	12.612	0.009	11.865	0.010	11.336	0.009	11.353	0.011	5	5	5	5	2
L134	15:53:38.4	-04:39:04	11.408	0.009	9.627	0.010	8.875	0.011	8.898	0.013	4	4	4	4	2
Oph N9	16:27:13.3	-24:41:34	17.549	0.022	12.389	0.011	9.527	0.014	9.620	0.018	2	2	2	2	2
L547	18:51:15.6	-04:16:02	11.872	0.010	9.831	0.011	8.888	0.014	8.870	0.016	4	4	4	4	2
BRI2202	22:05:36.0	-11:04:27	11.652	0.010	11.083	0.009	10.721	0.013	10.736	0.011	4	4	4	4	4