

**Table 2**  
Observation table

Star Name	RA	Dec	SpType	Distance (pc)	UT Date	Off-source
HIP113357	22:57:28.2	+20:46:08.0	G5V	15.30	2016 Jan 02	HIP113357OFF, HIP113357OFF, HIP113357OFF
HIP113368	22:57:39.5	-29:37:22.1	A3V	7.68	2016 Jan 13	HIP113368_OFF, HIP113368_OFF, HIP113368_OFF
HIP2422	00:30:56.7	+77:01:08.8	K0IV	39.40	2016 Jan 14	HIP2422_OFF, HIP2422_OFF, HIP2422_OFF
HIP2552	00:32:34.2	+67:14:03.8	M2.5Ve	10.10	2016 Jan 14	HIP2552_OFF, HIP2552_OFF, HIP2552_OFF
HIP11048	02:22:15.0	+47:52:48.4	M2	11.90	2016 Jan 16	HIP11048_OFF, HIP11048_OFF, HIP11048_OFF
HIP11090	02:22:50.0	+41:23:45.2	F0III-I	47.20	2016 Jan 16	HIP11090_OFF, HIP11090_OFF, HIP11090_OFF
HIP32769	06:49:57.5	+60:20:14.6	M0p	16.40	2016 Jan 16	HIP32769_OFF, HIP32769_OFF, HIP32769_OFF
HIP32919	06:51:31.9	+47:21:53.3	K2	18.80	2016 Jan 16	HIP32919_OFF, HIP32919_OFF,
HIP63894	13:05:41.5	+49:28:21.4	K0	21.80	2016 Jan 17	HIP63894_OFF, HIP63894_OFF, HIP63942
HIP63942	13:06:15.3	+20:43:45.8	M0	18.50	2016 Jan 17	HIP63942_OFF, HIP63942_OFF, HIP63942_OFF
HIP64048	13:07:34.8	+34:24:06.1	K3III	23.80	2016 Jan 17	HIP64048_OFF, HIP64048_OFF, HIP64048_OFF
HIP86456	17:39:55.7	+65:00:06.1	K0	26.40	2016 Jan 18	HIP86456_OFF, HIP86456_OFF, HIP86456_OFF
HIP86614	17:41:56.2	+72:08:46.3	F5IV-V	22.00	2016 Jan 18	HIP86614_OFF, HIP86614_OFF, HIP86614_OFF
HIP86620	17:41:58.2	+72:09:19.8	G0V	22.30	2016 Jan 18	HIP86620_OFF, HIP86620_OFF, HIP86620_OFF
HIP95575	19:26:26.6	+49:28:05.5	K3V	25.10	2016 Jan 18	HIP95575_OFF, HIP95575_OFF, HIP95575_OFF
HIP65011	13:19:34.4	+35:06:19.1	M0	13.10	2016 Jan 19	HIP65011_OFF, HIP65011_OFF, HIP65011_OFF
HIP72044	14:44:11.9	+22:11:07.8	M0	26.30	2016 Jan 19	HIP72044_OFF, HIP72044_OFF, HIP72044_OFF
HIP64797	13:16:51.7	+17:00:57.6	K2V	11.20	2016 Jan 19	HIP64797_OFF, HIP64797_OFF, HIP64797_OFF
HIP33955	07:02:42.7	-06:48:01.8	K5V	18.70	2016 Feb 04	HIP33955_OFF, HIP33955_OFF, HIP33955_OFF
HIP34017	07:03:30.6	+29:19:59.5	G4V	19.00	2016 Feb 04	HIP34017_OFF, HIP34017_OFF, HIP34017_OFF
HIP34104	07:04:17.4	-10:30:44.3	M5	15.30	2016 Feb 04	HIP34104_OFF, HIP34104_OFF, HIP34104_OFF
HIP34341	07:07:09.3	+03:26:46.3	M0V	26.70	2016 Feb 04	HIP34341_OFF, HIP34341_OFF, HIP34341_OFF
HIP40501	08:16:07.6	+01:18:09.7		9.15	2016 Feb 04	HIP40501_OFF, HIP40501_OFF,
HIP41307	08:25:39.6	-03:54:22.3	A0V	38.30	2016 Feb 12	HIP41307_OFF, HIP41307_OFF, HIP41307_OFF
HIP40910	08:20:55.2	+14:04:12.4	M0	23.40	2016 Feb 12	HIP40910_OFF, HIP40910_OFF, HIP40910_OFF
HIP42762	08:42:52.4	+09:33:01.1	M5	15.40	2016 Feb 12	HIP42762_OFF, HIP42762_OFF, HIP42762_OFF
HIP53020	10:50:51.1	+06:48:16.2	M4:	5.63	2016 Feb 13	HIP53020_OFF, HIP53020_OFF, HIP53020_OFF
HIP60910	12:28:56.8	+08:25:28.2	M:	13.50	2016 Feb 15	HIP60910_OFF, HIP60910_OFF, HIP60910_OFF
HIP60994	12:30:04.4	-13:23:35.9	G1/G2V	24.90	2016 Feb 15	HIP60994_OFF, HIP60994_OFF, HIP60994_OFF
HIP61094	12:31:15.1	+08:48:29.2	M0:	13.40	2016 Feb 15	HIP61094_OFF, HIP61094_OFF, HIP61094_OFF
HIP77070	15:44:16.0	+06:25:34.7	K2III	22.40	2016 Feb 18	HIP77070_OFF, HIP77070_OFF, HIP77070_OFF
HIP77257	15:46:26.3	+07:21:10.1	G0Vvar	11.70	2016 Feb 18	HIP77257_OFF, HIP77257_OFF, HIP77257_OFF
HIP13976	03:00:03.1	+07:44:59.6	G5	23.40	2016 Feb 18	HIP13976_OFF, HIP13976_OFF, HIP13976_OFF
HIP14445	03:06:27.1	+01:57:39.2	M0V	14.70	2016 Feb 18	HIP14445_OFF, HIP14445_OFF, HIP14445_OFF
HIP14729	03:10:15.4	+12:02:58.9	K5	27.00	2016 Feb 19	HIP14729_OFF, HIP14729_OFF, HIP14729_OFF
HIP14954	03:12:46.6	-01:11:46.7	F8V	22.30	2016 Feb 19	HIP14954_OFF, HIP14954_OFF, HIP14954_OFF
HIP61212	12:32:35.6	-13:51:31.3	F3IV/V	36.90	2016 Feb 19	HIP61212_OFF, HIP61212_OFF, HIP61212_OFF
HIP61901	12:41:06.6	+15:22:30.0	K2	14.20	2016 Feb 19	HIP61901_OFF, HIP61901_OFF, HIP61901_OFF
HIP61941	12:41:38.9	-01:26:56.0	F0V+...	11.80	2016 Feb 19	HIP61941_OFF, HIP61941_OFF, HIP61941_OFF
HIP62523	12:48:46.5	+24:50:23.3	G7V	17.10	2016 Feb 19	HIP62523_OFF, HIP62523_OFF, HIP62687_OFF
HIP87108	17:47:53.5	+02:42:25.6	A0V	29.00	2016 Mar 03	HIP87108_OFF, HIP87108_OFF, HIP87108_OFF
HIP87558	17:53:14.0	+06:06:06.1	F4IV-V	31.30	2016 Mar 03	HIP87558_OFF, HIP87558_OFF, HIP87558_OFF
HIP87579	17:53:29.8	+21:19:30.7	K0	24.80	2016 Mar 03	HIP87579_OFF, HIP87579_OFF, HIP87579_OFF
HIP87768	17:55:44.8	+18:30:00.0	K5	23.00	2016 Mar 03	HIP87768_OFF, HIP87768_OFF,
HIP58576	12:00:44.6	-10:26:52.8	K0IV	12.90	2016 Mar 07	HIP58576_OFF, HIP58576_OFF, HIP58576_OFF
HIP59000	12:05:50.6	-18:52:36.1	K5V	22.50	2016 Mar 07	HIP59000_OFF, HIP59000_OFF, HIP59000_OFF
HIP59608	12:13:25.8	+10:15:43.9	A2m	49.50	2016 Mar 07	HIP59608_OFF, HIP59608_OFF, HIP59608_OFF
HIP19719	04:13:33.0	+07:42:57.2	F3V...	36.90	2016 Mar 07	HIP19719_OFF, HIP19719_OFF, HIP19719_OFF
HIP19832	04:15:09.5	-04:25:07.0	K5V	20.40	2016 Mar 08	HIP19832_OFF, HIP19832_OFF, HIP19832_OFF
HIP19855	04:15:25.7	+06:11:55.7	G5IV	20.80	2016 Mar 08	HIP19855_OFF, HIP19855_OFF, HIP19855_OFF
HIP73996	15:07:18.2	+24:52:06.2	F5V	19.70	2016 Mar 08	HIP73996_OFF, HIP73996_OFF, HIP73996_OFF
HIP78072	15:56:27.5	+15:39:21.2	F6V	11.10	2016 Mar 08	HIP78072_OFF, HIP78072_OFF, HIP78072_OFF
HIP39157	08:00:31.9	+29:12:25.6	G8V	16.80	2016 Mar 09	HIP39157_OFF, HIP39157_OFF, HIP39157_OFF
HIP39826	08:08:12.8	+21:06:12.2	M:	17.10	2016 Mar 09	HIP39826_OFF, HIP39826_OFF, HIP39826_OFF
HIP40375	08:14:35.4	+13:01:23.2	K5	18.30	2016 Mar 09	HIP40375_OFF, HIP40375_OFF, HIP40375_OFF
HIP40843	08:20:03.8	+27:12:56.9	F6V	18.10	2016 Mar 09	HIP40843_OFF, HIP40843_OFF,
HIP33560	06:58:26.1	-12:59:31.9	K4V	22.30	2016 Mar 10	HIP33560_OFF, HIP33560_OFF,
HIP88348	18:02:31.3	+26:18:37.4	K0V	21.90	2016 Mar 10	HIP88348_OFF, HIP88348_OFF, HIP87938
HIP53767	11:00:03.7	+22:49:54.5	M3	6.62	2016 Mar 11	HIP53767_OFF, HIP53767_OFF, HIP53767_OFF
HIP53954	11:02:19.7	+20:10:48.0	A1m	37.90	2016 Mar 11	HIP53954_OFF, HIP53954_OFF, HIP53954_OFF
HIP54459	11:08:31.9	+15:45:57.2	K0	25.90	2016 Mar 11	HIP54459_OFF, HIP54459_OFF, HIP54459_OFF
HIP98921	20:05:10.1	+38:28:44.0	G5IV	18.80	2016 Mar 11	HIP98921_OFF, HIP98921_OFF, HIP98921_OFF
HIP99031	20:06:21.4	+35:58:13.1	K0IV	24.10	2016 Mar 11	HIP99031_OFF, HIP99031_OFF, HIP99031_OFF
HIP105769	21:25:19.8	+46:42:51.5	F0V	34.30	2016 Mar 11	HIP105769_OFF, HIP105769_OFF, HIP105769_OFF
HIP64577	13:14:10.7	-19:55:47.6	G8III/I	38.60	2016 Mar 12	HIP64577_OFF, HIP64577_OFF, HIP64577_OFF
HIP64924	13:18:23.2	-18:18:56.9	G5V	8.52	2016 Mar 12	HIP64924_OFF, HIP64924_OFF, HIP64924_OFF
HIP65143	13:20:58.6	+34:16:39.4	M0	16.00	2016 Mar 12	HIP65143_OFF, HIP65143_OFF, HIP65143_OFF
HIP65343	13:23:32.2	+29:14:17.9	K5	18.50	2016 Mar 12	HIP65343_OFF, HIP65343_OFF, HIP65343_OFF
HIP65352	13:23:39.1	+02:43:26.4	G5	16.00	2016 Mar 12	HIP65352_OFF, HIP65352_OFF,
HIP113944	23:04:31.0	+66:45:50.0	M1V:	20.00	2016 Mar 12	, HIP113944_OFF, HIP113944_OFF
HIP114430	23:10:26.9	+43:32:34.8	F5IV	28.20	2016 Mar 12	HIP114430_OFF, HIP114430_OFF, HIP114430_OFF
HIP118162	23:58:06.7	+50:26:55.0	G5	24.10	2016 Mar 12	HIP118162_OFF, HIP118162_OFF, HIP118162_OFF
HIP49127	10:01:37.0	-15:25:28.2	K3V	26.10	2016 Mar 17	HIP49127_OFF, HIP49127_OFF, HIP49127_OFF
HIP49366	10:04:37.4	-11:43:46.9	K0	23.10	2016 Mar 17	HIP49366_OFF, HIP49366_OFF, HIP49366_OFF
HIP52369	10:42:13.5	-13:47:18.2	G2/G3V	23.40	2016 Mar 17	HIP52369_OFF, HIP52369_OFF, HIP52369_OFF
HIP54966	11:15:21.2	-18:08:52.8	K7V	20.60	2016 Mar 17	HIP54966_OFF, HIP54966_OFF, HIP54966_OFF

**Table 2**  
Observation table

HIP98505	20:00:43.7	+22:42:35.3	G5	19.20	2016 Mar 17	HIP98505_OFF, HIP98505_OFF, HIP98505_OFF
HIP98677	20:02:33.7	+15:35:21.8	G7V	19.30	2016 Mar 17	HIP98677_OFF, HIP98677_OFF, HIP98677_OFF
HIP65420	13:24:33.5	-05:09:49.7	F3V	30.00	2016 Mar 18	HIP65420_OFF, HIP65420_OFF, HIP65420_OFF
HIP65714	13:28:21.2	-02:21:43.9	M4+...	14.10	2016 Mar 18	HIP65714_OFF, HIP65714_OFF, HIP65714_OFF
HIP66077	13:32:44.8	+16:48:34.9	M4Ve	13.70	2016 Mar 18	HIP66077_OFF, HIP66077_OFF, HIP66077_OFF
HIP69962	14:18:58.2	-06:36:19.1	K7V	21.50	2016 Mar 18	HIP69962_OFF, HIP69962_OFF, HIP69962_OFF
HIP69989	14:19:16.3	+13:00:14.8	F5IV	26.00	2016 Mar 18	HIP69989_OFF, HIP69989_OFF, HIP69989_OFF
HIP27918	05:54:28.6	+02:08:21.5	K3V	26.60	2016 Mar 23	HIP27918_OFF, HIP27918_OFF, HIP27918_OFF
HIP83389	17:02:36.6	+47:05:07.8	G8V	18.00	2016 Mar 23	HIP83389_OFF, HIP83389_OFF, HIP83389_OFF
HIP83945	17:09:32.0	+43:40:49.8	M3	7.25	2016 Mar 23	HIP83945_OFF, HIP83945_OFF, HIP83945_OFF
HIP84223	17:12:53.6	+42:19:49.4	M1V:	23.80	2016 Mar 23	HIP84223_OFF, HIP84223_OFF, HIP84223_OFF
HIP84607	17:17:40.4	+29:13:41.9	K2	24.00	2016 Mar 23	HIP84607_OFF, HIP84607_OFF, HIP84607_OFF
HIP88972	18:09:36.9	+38:27:20.2	K2V	11.00	2016 Mar 23	HIP88972_OFF, HIP88972_OFF,
HIP48336	09:51:10.8	-12:20:010.0	M0	13.60	2016 Mar 24	HIP48336_OFF, HIP48336_OFF, HIP48336_OFF
HIP48411	09:52:10.9	+03:13:18.1	K5	20.90	2016 Mar 24	HIP48411_OFF, HIP48411_OFF, HIP48411_OFF
HIP48477	09:53:11.6	-03:41:30.8	M0	15.60	2016 Mar 24	HIP48477_OFF, HIP48477_OFF, HIP48477_OFF
HIP55705	11:24:52.9	-17:41:02.0	A9V	25.70	2016 Mar 24	HIP55705_OFF, HIP55705_OFF, HIP55705_OFF
HIP90790	18:31:18.8	-18:54:33.8	K1V	13.20	2016 Apr 01	HIP90790_OFF, HIP90790_OFF, HIP90790_OFF
HIP90959	18:33:17.5	+22:18:42.8	K4V	23.40	2016 Apr 01	HIP90959_OFF, HIP90959_OFF, HIP90959_OFF
HIP90979	18:33:28.5	-11:38:12.8	K7V	25.40	2016 Apr 01	HIP90979_OFF, HIP90979_OFF, HIP90979_OFF
HIP96183	19:33:25.5	+21:50:20.8	G5V	20.10	2016 Apr 01	HIP96183_OFF, HIP96183_OFF, HIP96183_OFF
HIP47690	09:43:25.7	+42:41:17.2	K5V	17.70	2016 Apr 02	HIP47690_OFF, HIP47690_OFF, HIP47690_OFF
HIP47741	09:43:54.9	+26:58:05.5	M:	14.10	2016 Apr 02	HIP47741_OFF, HIP47741_OFF, HIP47741_OFF
HIP63257	12:57:43.5	-14:27:47.9	K4V	23.10	2016 Apr 10	HIP63257_OFF, HIP63257_OFF, HIP63257_OFF
HIP62505	12:48:32.3	-15:43:08.8	K2V	21.10	2016 Apr 10	HIP62505_OFF, HIP62505_OFF, HIP62505_OFF
HIP64241	13:09:58.7	+17:31:47.6	F5V	14.30	2016 Apr 10	HIP64241_OFF, HIP64241_OFF, HIP64241_OFF
HIP64457	13:12:43.7	-02:15:53.6	K0	20.40	2016 Apr 10	HIP64457_OFF, HIP64457_OFF, HIP64457_OFF
HIP5247	01:07:11.9	+63:56:32.6	K7V	15.00	2016 Apr 14	HIP5247_OFF, HIP5247_OFF,
HIP79755	16:16:41.3	+67:14:20.8	M0Vvar	10.60	2016 Apr 15	HIP79755_OFF, HIP79755_OFF, HIP79755_OFF
HIP79762	16:16:43.9	+67:15:22.7	M3	10.70	2016 Apr 15	HIP79762_OFF, HIP79762_OFF, HIP79762_OFF
HIP79796	16:17:05.5	+55:16:01.2	M1.5Ve	20.60	2016 Apr 15	HIP79796_OFF, HIP79796_OFF, HIP79796_OFF
HIP79822	16:17:29.7	+75:45:22.7	F5V	29.80	2016 Apr 15	HIP79822_OFF, HIP79822_OFF, HIP79822_OFF
HIP80331	16:23:59.4	+61:30:52.6	G8III	26.80	2016 Apr 15	HIP80331_OFF, HIP80331_OFF,
HIP19849	04:15:13.9	-07:40:04.1	K1V	5.04	2016 Apr 15	HIP19849_OFF, HIP19849_OFF, HIP19849_OFF
HIP19554	04:11:20.4	+05:31:23.5	F4V	38.60	2016 Apr 15	HIP19554_OFF, HIP19554_OFF, HIP19554_OFF
HIP108782	22:02:09.8	+01:23:56.0	M0	10.30	2016 Apr 19	HIP108782_OFF, , HIP108782_OFF
HIP108752	22:01:49.4	+16:28:05.2	M2	16.40	2016 Apr 19	HIP108752_OFF, HIP108752_OFF, HIP108752_OFF
HIP108506	21:58:54.9	-04:22:27.1	K2V	36.00	2016 Apr 19	HIP108506_OFF, HIP108506_OFF, HIP108506_OFF
HIP109176	22:07:01.0	+25:20:41.6	F5V	11.70	2016 Apr 19	HIP109176_OFF, HIP109176_OFF, HIP109176_OFF
HIP109378	22:09:29.9	-07:33:02.5	G0	21.20	2016 Apr 19	HIP109378_OFF, HIP109378_OFF,
HIP7078	01:31:14.1	+70:15:51.1	F6V	29.20	2016 Apr 21	HIP7078_OFF, HIP7078_OFF, HIP7078_OFF
HIP7339	01:34:32.1	+68:56:55.0	G6V	20.90	2016 Apr 21	HIP7339_OFF, HIP7339_OFF, HIP7339_OFF
HIP7748	01:39:46.2	+73:42:29.5		27.20	2016 Apr 21	HIP7748_OFF, HIP7748_OFF, HIP7748_OFF
HIP8070	01:43:39.7	+63:49:14.2	K5V	13.40	2016 Apr 21	HIP8070_OFF, HIP8070_OFF, HIP8070_OFF
HIP8362	01:47:46.2	+63:51:05.4	K0V	9.97	2016 Apr 21	HIP8362_OFF, HIP8362_OFF,
HIP49969	10:12:05.2	-02:41:13.9	M0	12.30	2016 Apr 22	HIP49969_OFF, HIP49969_OFF, HIP49969_OFF
HIP49841	10:10:35.0	-12:21:15.8	K0III	35.10	2016 Apr 22	HIP49841_OFF, HIP49841_OFF, HIP49841_OFF
HIP49809	10:10:05.6	-12:48:58.7	F2/F3IV	27.30	2016 Apr 22	HIP49809_OFF, HIP49809_OFF, HIP49809_OFF
HIP49669	10:08:22.0	+11:58:01.9	B7V	23.70	2016 Apr 22	HIP49669_OFF, HIP49669_OFF, HIP49669_OFF
HIP21553	04:37:41.4	+52:53:29.4	K8V	10.10	2016 Apr 23	HIP21553_OFF, HIP21553_OFF, HIP21553_OFF
HIP22287	04:48:00.3	+56:45:23.0	A3m	49.70	2016 Apr 23	HIP22287_OFF, HIP22287_OFF, HIP22287_OFF
HIP22361	04:48:50.5	+75:56:25.4	A9IV	45.60	2016 Apr 23	HIP22361_OFF, HIP22361_OFF, HIP22361_OFF
HIP85365	17:26:37.7	-05:05:12.1	F3V	30.00	2016 Apr 24	HIP85365_OFF, HIP85365_OFF, HIP85365_OFF
HIP85582	17:29:19.8	+29:23:26.5	K2	23.50	2016 Apr 24	HIP85582_OFF, HIP85582_OFF, HIP85582_OFF
HIP86032	17:34:56.1	+12:33:32.4	A5III	14.30	2016 Apr 24	HIP86032_OFF, HIP86032_OFF, HIP86032_OFF
HIP86282	17:37:48.5	+22:57:16.6	M0...	22.10	2016 Apr 24	HIP86282_OFF, HIP86282_OFF,
HIP6344	01:21:28.4	+80:09:06.1	K8	24.10	2016 May 03	HIP6718, HIP6718, HIP6718
HIP8867	01:54:06.0	+66:10:35.0	G5	22.10	2016 May 03	HIP7965, HIP8062, HIP8070
HIP11569	02:29:03.0	+67:24:08.3	A5p Sr	43.40	2016 May 03	HIP10681, HIP10743, HIP10888
HIP85042	17:22:51.0	-02:23:16.1	G5IV	19.40	2016 May 04	HIP84166, HIP84110, HIP84122
HIP85157	17:24:06.0	+22:57:37.1	F0IV	42.70	2016 May 04	HIP84146, HIP84153, HIP84187
HIP85295	17:25:45.0	+02:06:51.1	K7V	7.71	2016 May 04	HIP84316, HIP84384, HIP84432
HIP85582	17:29:20.0	+29:23:33.0	K2	23.50	2016 May 04	HIP84587, HIP84603, HIP84722
HIP85365	17:26:37.0	-05:05:11.0	F3V	30.00	2016 May 04	HIP84374, HIP84397,
HIP86742	17:43:28.3	+04:34:04.1	K2III	25.10	2016 May 05	HIP85924, HIP85812, HIP85861
HIP83043	16:58:08.7	+25:44:29.8	M2	10.30	2016 May 05	HIP82185, HIP82240, HIP82354
HIP85295	17:25:44.6	+02:06:22.0	K7V	7.71	2016 May 05	HIP84316, HIP84384, HIP84432
HIP81348	16:36:49.4	+31:05:40.6	K5	25.60	2016 May 05	HIP80571, HIP80691, HIP80803
HIP30112	06:20:13.0	+02:15:29.9	K7V	27.90	2016 May 05	HIP29212, HIP29231, HIP29253
HIP102488	20:46:13.1	+33:58:17.8	K0III	22.00	2016 May 06	HIP101720, HIP101614, HIP101709
HIP99572	20:12:25.9	-12:37:05.9	F5V	28.00	2016 May 06	HIP98564, HIP98569, HIP98570
HIP98192	19:57:13.5	+29:49:29.6	K1V	25.40	2016 May 06	HIP97201, HIP97292, HIP97313
HIP93917	19:07:25.7	+32:30:05.4	F0V	40.50	2016 May 06	HIP92911, HIP92932, HIP93037
HIP35350	07:18:05.5	+16:32:24.0	A3V...	28.90	2016 May 07	HIP34505, HIP34372, HIP34273
HIP35550	07:20:07.3	+21:58:56.3	F0IV...	18.00	2016 May 07	HIP34524, HIP34640,
HIP111170	22:31:18.4	-06:33:19.8	F7V	25.50	2016 May 07	HIP110359, HIP110240, HIP110273
HIP111888	22:39:50.9	+04:06:59.0	K2	22.60	2016 May 07	HIP110980, HIP111090, HIP111131

**Table 2**  
Observation table

HIP112190	22:43:21.1	-06:24:07.2	K0	21.50	2016 May 07	HIP111258, HIP111332, HIP111373
HIP44295	09:01:17.4	+15:15:51.1	M0V:p..	18.30	2016 May 08	HIP43418, HIP43343, HIP43412
HIP44722	09:06:44.9	-08:48:20.9	M0	14.50	2016 May 08	HIP43805, HIP43859, HIP43994
HIP44984	09:09:46.3	+11:33:50.0	F2p	37.60	2016 May 08	HIP44071, HIP44133, HIP44200
HIP45170	09:12:16.9	+14:59:48.5	G9V	20.40	2016 May 08	HIP44264, HIP44336, HIP44358
HIP116106	23:31:31.6	-04:05:16.8	F8V	26.20	2016 May 08	HIP115302, HIP115260, HIP115294
HIP116384	23:35:00.6	+01:36:18.4	M0	19.30	2016 May 08	HIP115618, HIP115624, HIP115692
HIP116495	23:36:23.1	+02:06:09.0	F6Vbwva	30.90	2016 May 08	HIP115624, HIP115692, HIP115779
HIP116758	23:39:47.3	-14:13:20.3	A7IV	41.00	2016 May 08	HIP116051, HIP116078, HIP116215
HIP53985	11:02:38.0	+21:58:01.9	K	11.60	2016 May 09	HIP53287, HIP53034, HIP53070, HIP54872
HIP54677	11:11:33.8	-14:59:38.0	K4V	22.70	2016 May 09	HIP53759, HIP53820, HIP53839
HIP54872	11:14:06.6	+20:31:23.5	A4V	17.60	2016 May 09	HIP53985, HIP54077, HIP54244
HIP54906	11:14:33.0	+25:42:37.8	K1V	21.20	2016 May 09	HIP54077, HIP54217, HIP54388
HIP29067	06:07:55.0	+67:58:34.0	K8	24.90	2016 May 11	HIP28523, HIP28061, HIP28243
HIP29277	06:10:19.1	+82:06:00.7	M3	9.39	2016 May 11	HIP29883, HIP30129, HIP30166
HIP29548	06:13:35.6	+63:23:34.8	M0	24.70	2016 May 11	HIP28612, HIP28753, HIP28807
HIP29761	06:16:02.6	+70:46:45.8	G5	25.70	2016 May 11	HIP28892, HIP28902, HIP28963
HIP30060	06:19:37.3	+59:00:39.2	A2Vs	45.70	2016 May 12	HIP29162, HIP29249,
HIP88622	18:05:37.4	+04:39:20.5	G0V	24.30	2016 May 12	HIP87866, HIP87811, HIP87861
HIP88684	18:06:15.3	-04:45:04.0	K1IV	34.90	2016 May 12	HIP87678, HIP87710, HIP87727
HIP89825	18:19:50.8	-01:56:17.9	K7V	19.30	2016 May 12	HIP88890, HIP88958, HIP88961
HIP90626	18:29:32.1	+09:03:43.2	K2	26.80	2016 May 12	HIP89665, HIP89806, HIP89875
HIP90656	18:29:52.5	-01:49:07.7	K3V	18.70	2016 May 12	HIP89909, HIP89988, HIP89997
HIP44897	09:08:50.8	+33:52:54.1	F9V	19.10	2016 May 13	HIP44115, HIP43976, HIP44064
HIP49699	10:08:43.0	+34:14:30.8	K0	18.00	2016 May 13	HIP48952, HIP49056, HIP49066
HIP53229	10:53:18.8	+34:12:47.9	K0III-I	29.90	2016 May 13	HIP52382, HIP52530, HIP52575
HIP55848	11:26:45.4	+03:00:25.2	K2V	17.90	2016 May 13	HIP54998, HIP55211, HIP55321
HIP105668	21:24:11.5	-12:52:41.2	F0V	48.00	2016 May 13	HIP102935, HIP102671, HIP102890
HIP105860	21:26:26.7	+19:22:31.8	A8m	46.00	2016 May 13	HIP102836, HIP102857, HIP102938
HIP105932	21:27:16.8	-06:50:44.5	M0	16.20	2016 May 13	HIP102679, HIP102793, HIP102894
HIP106106	21:29:37.9	+17:38:41.3	M4	6.74	2016 May 13	HIP102665, HIP102713, HIP102735
GJ473AB	12:33:15.4	+09:01:18.8	M5.0V	4.38	2016 May 14	HIP60510, HIP60272, HIP60325
HIP56802	11:38:40.1	-13:12:04.0	F7V	26.90	2016 May 14	HIP55875, HIP55884, HIP55937
HIP60759	12:27:13.8	+27:01:24.2	K2V	27.50	2016 May 14	HIP59833, HIP59877, HIP59910
HIP1444	00:17:59.3	-13:27:19.8	G2V	26.10	2016 May 14	HIP609, HIP492, HIP584
HIP1499	00:18:42.3	-08:03:12.6	G0V	23.40	2016 May 14	HIP462, HIP897, HIP947
HIP1532	00:19:05.5	-09:57:57.2	K7V	20.70	2016 May 14	HIP609, HIP649, HIP792
HIP74981	15:19:20.9	+29:12:27.7	K7	28.60	2016 May 15	HIP74439, HIP74284, HIP74315
HIP75253	15:22:36.6	-10:39:43.6	K2V	21.80	2016 May 15	HIP74430, HIP74525, HIP74560
HIP75266	15:22:42.0	+01:25:01.2	K3V	25.40	2016 May 15	HIP74304, HIP74328, HIP74390
HIP75277	15:22:46.5	+18:55:09.1	K0	20.10	2016 May 15	HIP74342, HIP74374, HIP74457
HIP14293	03:04:16.7	-07:36:02.2	A8V	43.00	2016 May 15	HIP13475, HIP13421, HIP13467
HIP17027	03:39:01.1	-05:37:36.5	K1V	35.10	2016 May 15	HIP16198, HIP16288, HIP16313
HIP17147	03:40:22.7	-03:13:04.4	F9V	24.30	2016 May 15	HIP16229, HIP16299, HIP16341
HIP71284	14:34:41.0	+29:44:44.2	F3Vwvar	15.40	2016 May 17	HIP70609, , HIP70490
HIP71311	14:34:56.8	+33:44:52.1	K8	20.30	2016 May 17	HIP70341, HIP70353, HIP70490
HIP71957	14:43:03.7	-05:39:34.2	F2III	18.60	2016 May 17	HIP71199, HIP71270, HIP71379
HIP72220	14:46:14.7	+01:53:34.1	A0V	39.40	2016 May 17	HIP71259, HIP71360, HIP71377
HIP10416	02:14:13.5	-03:38:010.0	K2	22.80	2016 May 17	HIP9566, HIP9563, HIP9545
HIP11000	02:21:44.7	-06:52:44.8	K0	26.70	2016 May 17	HIP10208, HIP10252, HIP10360
HIP11029	02:22:01.6	-10:46:40.1	F0V	29.80	2016 May 17	HIP10167, HIP10249, HIP10365
HIP12158	02:36:42.2	-03:09:21.6	K0	24.30	2016 May 17	HIP11334, HIP11425, HIP11442
HIP82003	16:45:06.3	+33:30:38.9	K7V	9.77	2016 May 18	HIP81048, HIP81052, HIP81147
HIP82588	16:52:58.0	+00:01:58.1	G8V	16.90	2016 May 18	HIP81681, HIP81716, HIP81742
HIP82817	16:55:27.8	-08:20:24.0	M3Ve	5.73	2016 May 18	HIP81952, HIP81999, HIP82183
HIP84521	17:16:40.5	+08:03:29.2	M3.5	14.90	2016 May 18	HIP83620, HIP83634, HIP83744
HIP25110	05:22:32.9	+79:13:54.1	F6V	20.90	2016 May 18	HIP24440, HIP25714, HIP26097
HIP26505	05:38:10.9	+51:26:46.0	K2V	20.50	2016 May 18	HIP25516, HIP25535, HIP25749
HIP26779	05:41:20.3	+53:28:43.3	K1V	12.20	2016 May 18	HIP25899, HIP26006, HIP26031
HIP26801	05:41:30.7	+53:29:15.0	M1	12.40	2016 May 18	HIP25899, HIP26006, HIP26031
HIP27188	05:45:48.8	+62:13:58.4	M0	13.60	2016 May 18	HIP26180, HIP26186,
HIP100064	20:18:03.3	-12:32:40.6	G6/G8II	33.30	2016 May 21	HIP99034, HIP99221, HIP99322
HIP100511	20:22:52.4	+14:33:02.5	F8V	26.10	2016 May 21	HIP99452, HIP99464, HIP99607
HIP101955	20:39:38.6	+04:58:19.6	K5V	18.50	2016 May 21	HIP100962, HIP101046, HIP101114
HIP102040	20:40:45.2	+19:56:12.1	G5V	20.90	2016 May 21	HIP101188, HIP101232, HIP101251
HIP102226	20:42:49.2	+20:50:33.7	K0	25.30	2016 May 21	HIP101251, HIP101369,
HIP113409	22:58:06.3	-13:38:38.0	K2V:	27.00	2016 May 22	HIP112479, HIP112504, HIP112526
HIP112909	22:51:54.2	+31:45:14.0	M3.5Ve	14.20	2016 May 22	HIP111912, HIP112051, HIP112219
HIP113421	22:58:15.6	-02:23:43.1	G8IV	19.70	2016 May 22	HIP112559, HIP112807, HIP113834
HIP113718	23:01:51.9	-03:50:57.5	K4V	16.90	2016 May 22	HIP112845, HIP112880, HIP113028
HIP56238	11:31:42.7	+22:40:02.3		16.10	2016 May 24	HIP55367, HIP55424, HIP55543
GJ406	10:56:25.0	+07:00:09.0	M5.5V	2.38	2016 May 24	HIP52542, HIP52547, HIP52554
GJ447	11:47:45.1	+00:47:55.7	M4.0V	3.35	2016 May 24	HIP56677, HIP56682, HIP56691
HIP56242	11:31:44.5	+14:21:49.0	G0V	23.00	2016 May 24	HIP55382, HIP55428, HIP55603
HIP23783	05:06:40.5	+51:35:47.8	F0V	26.20	2016 May 24	HIP22936, HIP23020, HIP23040
HIP23147	04:58:50.7	+49:50:55.3	M2	16.50	2016 May 24	HIP22297, HIP22413, HIP22438
HIP25110	05:22:32.8	+79:13:53.8	F6V	20.90	2016 May 24	HIP24440, HIP25714, HIP26097

**Table 2**  
Observation table

HIP26505	05:38:10.9	+51:26:46.3	K2V	20.50	2016 May 24	HIP25516, HIP25535, HIP25749
HIP82003	16:45:06.3	+33:30:38.9	K7V	9.77	2016 May 25	HIP81147, HIP81048, HIP81052
HIP78459	16:01:02.4	+33:18:00.0	G2V	17.40	2016 May 25	HIP78859, HIP78931, HIP79053
HIP82588	16:52:58.0	+00:01:58.1	G8V	16.90	2016 May 25	HIP81681, HIP81716, HIP81742
HIP84521	17:16:40.6	+08:03:28.8	M3.5	14.90	2016 May 25	HIP83620, HIP83634, HIP83744
HIP33537	06:58:11.8	+22:28:33.6	G5V	24.20	2016 May 25	HIP32456, HIP32459, HIP32527
HIP36046	07:25:43.4	+27:47:51.0	G9III+	38.60	2016 May 25	HIP34950, HIP35032, HIP35065
HIP36152	07:26:49.8	+21:32:07.4	F6V	30.80	2016 May 25	HIP35126, HIP35331, HIP35344
HIP36357	07:29:01.9	+31:59:39.8	K2V	17.50	2016 May 25	HIP35252, HIP35346, HIP35349
HIP102040	20:40:45.2	+19:56:11.8	G5V	20.90	2016 May 26	HIP101188, HIP101232, HIP101251
HIP100511	20:22:52.4	+14:33:02.9	F8V	26.10	2016 May 26	HIP99452, , HIP99607
HIP101955	20:39:38.6	+04:58:20.3	K5V	18.50	2016 May 26	HIP100962, HIP101046, HIP101114
HIP102226	20:42:49.2	+20:50:34.1	K0	25.30	2016 May 26	HIP101251, HIP101369, HIP101418
GJ860A	22:27:58.6	+57:41:40.9	M3.0V	4.03	2016 May 27	HIP110025, HIP110026, HIP110186
GJ860B	22:27:57.8	+57:41:37.3	M4.0V	4.03	2016 May 27	HIP110025, HIP110026, HIP110186
HIP111169	22:31:17.7	+50:16:56.6	A1V	31.30	2016 May 27	HIP110291, HIP110339, HIP110351
HIP112245	22:44:05.9	+64:34:08.8	G8V	25.10	2016 May 27	HIP111241, HIP111266, HIP111469
GJ380	10:11:19.8	+49:27:06.1	K7.0V	4.86	2016 May 28	HIP48987, HIP48991, HIP48995
HIP49868	10:10:59.4	+75:08:32.6	M0	21.20	2016 May 28	HIP49344, HIP49392, HIP49596
HIP51248	10:28:04.0	+48:46:50.9	G1V	23.50	2016 May 28	HIP50302, HIP50318, HIP50372
HIP13665	02:55:57.2	+61:31:15.6	F4V	26.40	2016 May 28	HIP12816, HIP12865, HIP13063
HIP14632	03:09:06.1	+49:36:46.1	G0V	10.50	2016 May 28	HIP13774, HIP13802, HIP13804
HIP14669	03:09:30.1	+45:43:51.2	M2	15.40	2016 May 28	HIP13840, , HIP14084
HIP14862	03:11:56.1	+74:23:38.0	A2Vnn	49.60	2016 May 28	HIP14000, HIP14248, HIP14410
HIP65327	13:23:23.5	+57:54:21.6	M0V	25.10	2016 May 29	HIP64604, HIP64639, HIP64668
HIP65378	13:23:55.7	+54:55:30.4	A2V	23.90	2016 May 29	HIP64606, HIP64689, HIP64782
HIP65477	13:25:13.7	+54:59:16.1	A5V SB	24.80	2016 May 29	HIP64606, HIP64689, HIP64782
HIP65515	13:25:45.1	+56:58:13.1	G9IV-V	21.80	2016 May 29	HIP64604, HIP64606, HIP64668
HIP51459	10:30:37.2	+55:58:49.1	F8V	12.80	2016 Jun 01	HIP50405, HIP50440, HIP50513
HIP51468	10:30:46.0	+59:44:58.9	K5	22.30	2016 Jun 01	HIP50346, HIP50553, HIP50606
HIP51502	10:31:03.8	+82:33:30.6	F2V	21.40	2016 Jun 01	HIP50960, HIP52006, HIP52029
HIP51525	10:31:23.3	+45:31:24.2	K7V	15.60	2016 Jun 01	HIP50369, HIP50465, HIP50487
HIP112724	22:49:40.6	+66:11:59.3	K0III	35.30	2016 Jun 01	HIP111740, HIP111612, HIP111706
HIP112915	22:52:00.4	+57:42:56.9	K5III	24.20	2016 Jun 01	HIP111868, HIP111924, HIP111949
HIP114456	23:10:49.9	+45:30:38.9	K0	23.40	2016 Jun 01	HIP113308, HIP113371, HIP113455
HIP114570	23:12:33.1	+49:24:23.0	F0V	24.40	2016 Jun 01	HIP113469, HIP113485, HIP113613
HIP68337	13:59:19.2	+22:52:11.6	K	23.80	2016 Jun 02	HIP67157, HIP67090, HIP67142
HIP68469	14:01:02.3	-02:39:06.8	K5	10.10	2016 Jun 02	HIP67282, HIP67289, HIP67333
HIP68634	14:02:56.8	+14:58:30.7	G5	26.10	2016 Jun 02	HIP67377, HIP67379, HIP67449
HIP69357	14:11:45.7	-12:36:44.6	K1V	23.00	2016 Jun 02	HIP68268, HIP68303, HIP68808
HIP10644	02:17:04.7	+34:13:23.2	G0V	10.80	2016 Jun 02	HIP10169, HIP10199, HIP10453
HIP10670	02:17:18.9	+33:50:49.2	A1Vnn	36.00	2016 Jun 02	HIP10199, HIP11548, HIP10169
HIP13402	02:52:32.5	-12:46:12.7	K1V	10.30	2016 Jun 02	HIP12402, HIP12482, HIP12549
HIP21556	04:37:41.6	-11:02:22.9	M1	11.00	2016 Jun 02	HIP20806, HIP21210, HIP21222
HIP46843	09:32:43.5	+26:59:13.9	K0	17.70	2016 Jun 04	HIP45671, HIP45844, HIP45954
GJ411	11:03:19.4	+35:56:55.0	M2.0V	2.54	2016 Jun 04	HIP52936, HIP52941, HIP53002
HIP47080	09:35:38.5	+35:48:32.0	G8IV-V	11.10	2016 Jun 04	HIP46135, HIP46174, HIP46269
HIP47201	09:37:11.1	+22:41:35.9	M0V:	21.90	2016 Jun 04	HIP46100, HIP46272, HIP46304
HIP47513	09:41:09.6	+13:12:32.0	M2	11.30	2016 Jun 04	HIP46367, HIP46447, HIP46454
HIP62207	12:44:58.9	+39:16:46.2	G0V	17.30	2016 Jun 04	HIP61072, HIP61074, HIP61114
HIP66459	13:37:29.1	+35:43:03.0	M9	10.90	2016 Jun 04	HIP65343, HIP65430, HIP65451
HIP68337	13:59:19.2	+22:52:10.6	K	23.80	2016 Jun 04	HIP67120, HIP67142, HIP67155
HIP68469	14:01:02.3	-02:39:06.8	K5	10.10	2016 Jun 04	HIP67315, HIP67344, HIP67369
HIP18280	03:54:35.4	-06:49:24.6	M0V	15.40	2016 Jun 04	HIP17275, HIP17233, HIP17268
GJ273	07:27:25.1	+05:12:32.8	M3.5V	3.75	2016 Jun 04	HIP34908, HIP35173, HIP35231, HIP34908, HIP3
HIP21556	04:37:41.7	-11:02:23.6	M1	11.00	2016 Jun 04	HIP20505, HIP20761, HIP20806
HIP22288	04:48:01.2	-10:56:02.0	K7V	26.10	2016 Jun 04	HIP21279, HIP21409, HIP21430
HIP27435	05:48:35.1	-04:05:44.5	G4V	15.50	2016 Jun 04	HIP26133, HIP26168, HIP26243
HIP36627	07:31:56.9	+36:13:43.0	M4	11.40	2016 Jun 04	HIP36704, HIP36704, HIP36704
HIP36704	07:33:00.5	+37:01:47.3	G5	19.60	2016 Jun 04	HIP36627, HIP36627, HIP33194
HIP115445	23:23:05.4	-10:45:47.2	K2V	19.40	2016 Jun 05	HIP114137, HIP114042, HIP114111
HIP115142	23:19:24.1	-05:07:27.8	F3IV	34.80	2016 Jun 05	HIP113631, HIP113769, HIP113771
HIP115738	23:26:56.0	+01:15:18.0	A0p	49.70	2016 Jun 05	HIP114223, HIP114257, HIP114330
HIP114233	23:08:07.5	+03:19:48.4	M1V:	15.60	2016 Jun 05	HIP112662, HIP112669, HIP112742
HIP114886	23:16:18.5	+30:40:14.2	K2V	24.10	2016 Jun 05	HIP113336, HIP113357, HIP113384
HIP13402	02:52:32.5	-12:46:13.1	K1V	10.30	2016 Jun 05	HIP11915, HIP12005, HIP12038
HIP12493	02:40:43.1	+01:11:57.8	M0	22.30	2016 Jun 05	HIP11000, HIP11029, HIP11124
HIP12530	02:41:14.1	+00:41:46.3	F7IV	21.60	2016 Jun 05	HIP11124, HIP11136, HIP11139
HIP13081	02:48:09.4	+27:04:05.2	K1V	22.30	2016 Jun 05	HIP11619, HIP11678, HIP11686
GJ702B	18:05:27.4	+02:29:44.2	K5V	5.10	2016 Jun 06	HIP87592, HIP87507, HIP87511
GJ702A	18:05:27.4	+02:29:43.8	K0.0V	5.10	2016 Jun 06	HIP87507, HIP87511, HIP87592
HIP86623	17:41:58.6	+15:57:10.1	F4Vw	35.50	2016 Jun 06	HIP85487, HIP85525, HIP85683
HIP86722	17:43:15.5	+21:36:23.0	K0V	23.50	2016 Jun 06	HIP85855, HIP85865, HIP86050
HIP88745	18:07:01.4	+30:33:45.0	F7V	15.60	2016 Jun 06	HIP87577, HIP87632, HIP87749
HIP91217	18:36:27.8	+09:07:17.8	F5III	38.80	2016 Jun 06	HIP90052, HIP90149, HIP90181
HIP102531	20:46:38.8	+16:07:22.8	A2Ia+..	31.50	2016 Jun 06	HIP101782, HIP101864, HIP101915
HIP102532	20:46:39.6	+16:07:23.2	K1IV	31.10	2016 Jun 06	HIP101782, HIP101864, HIP101915

**Table 2**  
Observation table

HIP102766	20:49:16.0	+32:16:59.9	K2	23.60	2016 Jun 06	HIP101569, HIP101642, HIP101663
HIP59496	12:12:05.4	+58:55:35.0	K5	28.30	2016 Jun 10	HIP58458, HIP58502, HIP58665
HIP59514	12:12:21.2	+54:29:01.0	M2	15.30	2016 Jun 10	HIP58676, HIP58902, HIP58953
HIP59774	12:15:25.7	+57:01:57.0	A3Vvar	24.90	2016 Jun 10	HIP58730, HIP59408, HIP59474
HIP60303	12:21:54.3	+42:07:53.0	M0V	15.90	2016 Jun 10	HIP59193, HIP59362, HIP59428
HIP61053	12:30:50.1	+53:04:37.9	F9V	21.90	2016 Jun 10	HIP60047, HIP60301, HIP60365
HIP73100	14:56:22.9	+49:37:44.4	F7V	24.80	2016 Jun 10	HIP71872, HIP71989, HIP72193, HIP73695
HIP73470	15:00:55.9	+45:25:40.1	M0	11.60	2016 Jun 10	HIP72325, HIP72524, HIP72526
HIP73695	15:03:46.6	+47:39:13.7	G2V + G	12.70	2016 Jun 10	HIP72824, HIP73100, HIP73382
HIP32480	06:46:44.3	+43:34:41.2	G0V	16.50	2016 Jun 10	HIP31256, HIP31238, HIP31245
HIP32439	06:46:13.3	+79:33:42.8	F8V	17.80	2016 Jun 10	HIP31529, HIP32015, HIP32296
HIP33142	06:54:05.3	+60:52:01.9	M:	10.60	2016 Jun 10	HIP32399, HIP32877, HIP32888
HIP33852	07:01:39.3	+48:22:35.4	K3V	20.40	2016 Jun 10	HIP32684, HIP32987, HIP33000
HIP120005	09:14:22.0	+52:40:59.2	K2	6.27	2016 Jun 10	HIP44289, HIP44392, HIP44504
HIP44127	08:59:11.8	+48:02:27.2	A7IV	14.60	2016 Jun 10	HIP43062, HIP43194, HIP43216
HIP44901	09:08:52.0	+51:36:15.8	Am	29.30	2016 Jun 10	HIP43870, HIP43981, HIP44140
HIP45038	09:10:23.5	+67:08:01.0	F7IV-V	20.40	2016 Jun 10	HIP44229, HIP44544, HIP44683
GJ1002	00:06:42.9	-07:32:50.6	M5.0V	4.69	2016 Jun 11	HIP187, HIP1324, HIP1423
HIP1473	00:18:19.5	+36:47:06.0	A2V	43.20	2016 Jun 11	HIP1256, HIP1366, HIP1442
HIP1692	00:21:13.3	-08:16:51.6	K2	23.00	2016 Jun 11	HIP1303, HIP1324, HIP1423
HIP171	00:02:11.0	+27:04:41.2	G3V	12.40	2016 Jun 11	HIP1234, HIP1294, HIP214
HIP1803	00:22:52.2	-12:12:33.1	G3V	20.30	2016 Jun 11	HIP1119, HIP1191, HIP1266
HIP194	00:02:29.6	+08:29:05.6	F0V	37.60	2016 Jun 11	HIP184, HIP185, HIP190
HIP13642	02:55:39.2	+26:52:19.9	K2	22.80	2016 Jun 11	HIP12808, HIP12881, HIP12916
HIP13834	02:58:05.5	+20:40:06.2	F5IV	31.80	2016 Jun 11	HIP12815, HIP12830, HIP13035
HIP14150	03:02:26.3	+26:36:30.2	G8V	21.10	2016 Jun 11	HIP13374, HIP13440, HIP13615
HIP91608	18:40:57.2	-13:22:56.6	M	16.20	2016 Jun 13	HIP90774, HIP90565, HIP90717
HIP91237	18:36:39.0	+06:40:16.0	F3V	31.70	2016 Jun 13	HIP90042, HIP90167, HIP90355
HIP91699	18:41:58.6	+31:49:49.1	M4	11.30	2016 Jun 13	HIP90693, HIP90745, HIP90977
HIP91971	18:44:46.4	+37:36:18.0	Am	47.10	2016 Jun 13	HIP90736, HIP90747, HIP90809
HIP91973	18:44:48.2	+37:35:39.8	F0IVvar	46.00	2016 Jun 13	HIP90736, HIP90747, HIP90809
HIP92043	18:45:39.7	+20:32:40.9	F6V	19.00	2016 Jun 13	HIP90920, HIP90959, HIP91006
HIP103256	20:55:07.5	+13:10:41.9	K3V	22.70	2016 Jun 13	HIP102273, HIP102281, HIP102490
HIP103388	20:56:46.5	-10:27:11.9	M4	14.70	2016 Jun 13	HIP102351, HIP102362, HIP102436
HIP103441	20:57:26.2	+22:21:42.1	M3	13.60	2016 Jun 13	HIP102309, HIP102420, HIP102537
HIP72567	14:50:15.9	+23:54:43.2	G2V	17.90	2016 Jun 17	HIP71751, HIP71428, HIP71728
HIP72659	14:51:23.5	+19:06:00.4	G8V + K	6.69	2016 Jun 17	HIP71687, HIP71729,
HIP34115	07:04:26.8	+68:17:20.4	M5	15.20	2016 Jun 17	HIP34082, HIP33454, HIP34024
HIP31703	06:37:54.2	+73:41:43.8	F2	35.50	2016 Jun 17	HIP30568, HIP30892, HIP31272
HIP35136	07:15:50.1	+47:14:19.7	G0V	16.80	2016 Jun 17	HIP33938, HIP34333, HIP34498
HIP35643	07:21:17.4	+45:13:41.2	A7s	34.40	2016 Jun 17	HIP34366, HIP34375, HIP34691
HIP38325	07:51:05.6	+54:07:46.2	F6V	30.00	2016 Jun 17	HIP37061, HIP37362, HIP37431
GJ412A	11:05:22.1	+43:31:51.2	M1.0V	4.86	2016 Jun 17	HIP53051, HIP53160, HIP53283
GJ412B	11:05:23.9	+43:31:32.2	M5.5V	4.86	2016 Jun 17	HIP53051, HIP53160, HIP53283
HIP41484	08:27:36.7	+45:39:04.7	G5V	21.70	2016 Jun 17	HIP40253, HIP40273, HIP40383
GJ83.1	02:00:14.4	+13:02:38.8	M4.0V	4.44	2016 Jun 18	HIP10103, HIP10207, HIP10330
HIP10723	02:18:01.7	+01:45:32.8	G0.5IV	24.90	2016 Jun 18	HIP10184, HIP10242, HIP10099
HIP2762	00:35:15.4	-03:35:34.1	F8V...	21.00	2016 Jun 18	HIP2121, HIP2343, HIP2471
HIP3092	00:39:19.8	+30:51:38.2	K3III..	31.00	2016 Jun 18	HIP1997, HIP2243, HIP2393
HIP3093	00:39:21.2	+21:14:55.3	K0V	11.10	2016 Jun 18	HIP2023, HIP2206, HIP2360
HIP3418	00:43:32.5	+33:50:33.7	K8	20.70	2016 Jun 18	HIP2366, HIP2400, HIP2587
HIP15099	03:14:47.6	+08:58:43.7	K0	22.20	2016 Jun 18	HIP14172, HIP14175, HIP14298
HIP15457	03:19:21.9	+03:22:13.8	G5Vvar	9.15	2016 Jun 18	HIP14384, HIP14437, HIP14477
HIP16852	03:36:52.1	+00:23:58.2	F9V	13.70	2016 Jun 18	HIP15732, HIP15779, HIP15830
HIP72312	14:47:15.7	+02:42:09.7	G8V	19.60	2016 Jul 01	HIP71177, HIP71205, HIP71318
HIP72659	14:51:23.6	+19:05:59.3	G8V + K	6.69	2016 Jul 01	HIP71687, HIP71729, HIP71899
HIP72875	14:53:40.6	+23:20:42.4	K3V	22.90	2016 Jul 01	HIP71728, HIP71851, HIP71981
HIP92161	18:47:01.4	+18:10:54.8	A5III	28.40	2016 Jul 01	HIP90925, HIP91041, HIP91088
HIP31703	06:37:54.1	+73:41:44.2	F2	35.50	2016 Jul 02	HIP30568, HIP30892, HIP31272
HIP34115	07:04:27.0	+68:17:19.7	M5	15.20	2016 Jul 02	HIP34024, HIP34082, HIP33454
HIP35136	07:15:50.1	+47:14:20.0	G0V	16.80	2016 Jul 02	HIP33938, HIP34333, HIP34498
HIP35643	07:21:17.4	+45:13:41.2	A7s	34.40	2016 Jul 02	HIP34366, HIP34375, HIP34691
HIP35821	07:23:14.7	+46:05:08.9	M2	16.20	2016 Jul 02	HIP34498, HIP34691, HIP34730
HIP38325	07:51:05.0	+54:07:45.8	F6V	30.00	2016 Jul 02	HIP37061, HIP37362, HIP37431
HIP46580	09:29:54.1	+05:39:20.5	K3V	12.60	2016 Jul 02	HIP45608, HIP45653, HIP45772
HIP46769	09:31:55.9	+36:19:03.7	M0	13.50	2016 Jul 02	HIP45602, HIP45669, HIP45674
HIP49081	10:00:59.9	+31:55:17.8	G1V	14.80	2016 Jul 02	HIP47993, HIP47997, HIP48003
HIP49593	10:07:25.8	+35:14:39.8	A7V	27.90	2016 Jul 03	HIP48575, HIP48614, HIP48688
GJ54.1	01:12:31.9	-16:59:44.9	M4.0V	3.71	2016 Jul 04	HIP4597, HIP4540, HIP4594
GJ65A	01:39:04.9	-17:56:51.7	M5.5V	2.67	2016 Jul 04	HIP6716, HIP6951, HIP7152
HIP1242	00:15:28.9	-16:08:11.0	M:	5.21	2016 Jul 04	HIP1012, HIP1161, HIP1185
HIP2	00:00:01.0	-19:29:55.0	K3V	45.60	2016 Jul 04	HIP1115, HIP112, HIP301
HIP2762	00:35:15.2	-03:35:33.7	F8V...	21.00	2016 Jul 04	HIP2121, HIP2343, HIP2471
HIP28368	05:59:37.7	+58:35:30.1	M1	13.50	2016 Jul 04	HIP27541, HIP27832, HIP27971
HIP31703	06:37:54.2	+73:41:44.2	F2	35.50	2016 Jul 04	HIP30568, HIP30892, HIP31272
HIP34115	07:04:26.9	+68:17:20.0	M5	15.20	2016 Jul 04	HIP33454, HIP34024, HIP34082
GJ768	19:50:47.4	+08:52:12.0	A7IV	5.11	2016 Jul 05	HIP96842, HIP96482, HIP96632

**Table 2**  
Observation table

HIP101027	20:28:51.5	-17:48:49.0	F3V	30.20	2016 Jul 05	HIP100014, HIP100244, HIP100325
HIP103039	20:52:33.2	-16:58:29.3		5.48	2016 Jul 05	HIP101999, HIP102289, HIP102602, HIP104019
HIP104019	21:04:24.3	-19:51:18.4	A5V	48.40	2016 Jul 05	HIP103039, HIP103311, HIP103601
HIP104092	21:05:19.8	+07:03:59.8	K5	14.80	2016 Jul 05	HIP102974, HIP103271, HIP103365
HIP104139	21:05:56.9	-17:13:58.8	A1V	48.50	2016 Jul 05	HIP103240, HIP103283, HIP103386
GJ866	22:38:36.0	-15:17:31.2	M5.0V	3.45	2016 Jul 05	HIP110663, HIP110741, HIP110902
HIP109388	22:09:41.5	-04:38:25.4	M3	8.77	2016 Jul 05	HIP108459, HIP108460, HIP108550
HIP109427	22:10:12.2	+06:11:51.7	A2V	29.60	2016 Jul 05	HIP108380, HIP108457, HIP108663
HIP109555	22:11:30.4	+18:25:36.8	M2	11.40	2016 Jul 05	HIP108401, HIP108415,
GJ412A	11:05:22.1	+43:31:51.2	M1.0V	4.86	2016 Jul 09	HIP53283, HIP53051, HIP53160
GJ412B	11:05:23.8	+43:31:32.2	M5.5V	4.86	2016 Jul 09	HIP53051, HIP53160, HIP53283
HIP53580	10:57:36.1	+69:35:47.8	M0	23.00	2016 Jul 09	HIP52493, HIP52544, HIP52796
HIP53721	10:59:27.5	+40:25:48.7	G0V	14.00	2016 Jul 09	HIP52647, HIP52881, HIP53076
HIP53910	11:01:50.6	+56:22:55.9	A1V	24.30	2016 Jul 09	HIP53127, HIP53209, HIP53634
HIP54061	11:03:43.3	+61:45:00.7	F7V com	37.90	2016 Jul 09	HIP53158, HIP53256, HIP53535
HIP71914	14:42:33.3	+19:28:44.4	M0	22.40	2016 Jul 09	HIP70916, HIP71070, HIP71072
HIP35643	07:21:17.4	+45:13:43.3	A7s	34.40	2016 Jul 09	HIP34375, HIP34691, HIP34366
HIP35821	07:23:14.7	+46:05:10.3	M2	16.20	2016 Jul 09	HIP34498, HIP34691, HIP34730
HIP38325	07:51:05.0	+54:07:45.8	F6V	30.00	2016 Jul 09	HIP37061, HIP37362, HIP37431
HIP38784	07:56:14.0	+80:15:55.8	G8V	17.00	2016 Jul 09	HIP37961, HIP38115, HIP38225
GJ54.1	01:12:31.9	-16:59:44.9	M4.0V	3.71	2016 Jul 10	HIP4597, HIP4540, HIP4594
GJ65A	01:39:04.9	-17:56:52.1	M5.5V	2.67	2016 Jul 10	HIP6716, HIP6951, HIP7152
HIP1242	00:15:28.9	-16:08:10.7	M:	5.21	2016 Jul 10	HIP1012, HIP1161, HIP1185
HIP2	00:00:01.0	-19:29:55.0	K3V	45.60	2016 Jul 10	HIP1115, HIP112, HIP301
HIP2762	00:35:15.3	-03:35:33.4	F8V...	21.00	2016 Jul 10	HIP2121, HIP2343, HIP2471
HIP3092	00:39:19.8	+30:51:38.2	K3III..	31.00	2016 Jul 10	HIP1997, HIP2243, HIP2393
HIP24813	05:19:09.0	+40:05:44.9	G0V	12.60	2016 Jul 10	HIP23650, HIP23655, HIP23825
HIP28368	05:59:37.7	+58:35:30.1	M1	13.50	2016 Jul 10	HIP27541, HIP27832, HIP27971
HIP31703	06:37:54.0	+73:41:43.8	F2	35.50	2016 Jul 10	HIP30568, HIP30892, HIP31272
GJ768	19:50:47.5	+08:52:12.0	A7IV	5.11	2016 Jul 11	HIP96842, HIP96482, HIP96632
HIP101027	20:28:51.4	-17:48:49.3	F3V	30.20	2016 Jul 11	HIP100014, HIP100244, HIP100325
HIP103039	20:52:33.2	-16:58:28.9		5.48	2016 Jul 11	HIP101999, HIP102289, HIP102602, HIP104019
HIP104019	21:04:24.2	-19:51:17.6	A5V	48.40	2016 Jul 11	HIP103039, HIP103311, HIP103601
HIP104092	21:05:19.8	+07:04:00.1	K5	14.80	2016 Jul 11	HIP102974, HIP103271, HIP103365
HIP104139	21:05:56.9	-17:13:59.2	A1V	48.50	2016 Jul 11	HIP103240, HIP103283, HIP103386
GJ866	22:38:36.0	-15:17:31.2	M5.0V	3.45	2016 Jul 11	HIP110663, HIP110741, HIP110902
HIP109388	22:09:41.4	-04:38:25.4	M3	8.77	2016 Jul 11	HIP108459, HIP108460, HIP108550
HIP109427	22:10:12.2	+06:11:51.7	A2V	29.60	2016 Jul 11	HIP108380, HIP108457, HIP108663
HIP109555	22:11:30.4	+18:25:37.9	M2	11.40	2016 Jul 11	HIP108401, HIP108415, HIP108616
HIP57632	11:49:03.0	+14:34:17.0	A3Vvar	11.00	2016 Jul 14	HIP56473, HIP56578, HIP56736
HIP39494	08:04:22.9	+43:57:41.0	M0	25.30	2016 Jul 15	HIP38403, HIP38254, HIP38266
HIP40875	08:20:26.1	+57:44:35.9	F4V	31.60	2016 Jul 15	HIP39639, HIP39764, HIP40474
HIP42080	08:34:36.0	+65:08:40.9	A2m	48.40	2016 Jul 15	HIP41308, HIP41488, HIP41741
HIP42220	08:36:22.4	+67:17:43.4	M2	13.80	2016 Jul 15	HIP41170, HIP41741, HIP42086
HIP42438	08:39:11.6	+65:01:16.0	G1.5Vb	14.20	2016 Jul 15	HIP41308, HIP41488, HIP41741
HIP42940	08:45:09.0	+41:40:08.0	K3V	25.90	2016 Jul 15	HIP41923, HIP42051, HIP42189
HIP54426	11:08:13.7	+38:25:36.1	K0	22.70	2016 Jul 15	HIP53350, HIP53405, HIP53483
HIP54745	11:12:32.0	+35:48:47.9	G0V	21.70	2016 Jul 15	HIP53620, HIP53640, HIP53641
HIP57632	11:49:03.1	+14:34:17.0	A3Vvar	11.00	2016 Jul 15	HIP56473, HIP56578, HIP56736
HIP59406	12:11:11.4	-19:57:41.0		12.70	2016 Jul 15	HIP58515, HIP58341, HIP58423
HIP60559	12:24:53.7	-18:15:08.6	M4	8.88	2016 Jul 15	HIP59357, HIP59426, HIP59537
HIP60866	12:28:31.7	-18:17:52.8	K4V	24.90	2016 Jul 15	HIP59895, HIP59903, HIP59974
HIP60965	12:29:51.6	-16:30:56.9	B9.5V	26.90	2016 Jul 15	HIP59862, HIP59903, HIP59974
HIP61174	12:32:03.0	-16:11:46.0	F2V	18.20	2016 Jul 15	HIP59974, HIP60022, HIP60060
HIP72607	14:50:42.1	+74:09:19.1	K4IIIva	38.70	2016 Jul 15	HIP72307, HIP73047, HIP73715
HIP73005	14:55:09.0	+53:40:56.3	K1V	23.90	2016 Jul 15	HIP71896, HIP72152, HIP72389
HIP76375	15:35:55.9	+39:49:52.0	K3V	22.20	2016 Jul 15	HIP75198, HIP75428,
HIP3419	00:43:35.6	-17:59:11.0	K0III	29.30	2016 Jul 16	HIP2386, HIP2337, HIP2351
HIP3535	00:45:04.0	+01:46:58.1	K2V	22.00	2016 Jul 16	HIP2500, HIP2510, HIP2521
HIP3765	00:48:23.7	+05:16:30.7	K2V	7.46	2016 Jul 16	HIP2751, HIP2833, HIP2847
HIP3909	00:50:07.0	-10:38:42.7	F7IV-V	15.40	2016 Jul 16	HIP3026, HIP3169, HIP3203
HIP3979	00:51:11.1	-05:02:23.3	G0	22.00	2016 Jul 16	HIP3090, HIP3115, HIP3183
HIP3998	00:51:21.8	+18:44:16.1	K2	21.80	2016 Jul 16	HIP2952, HIP3052, HIP3093
HIP17414	03:43:52.7	+16:40:13.8	M2	17.20	2016 Jul 16	HIP16329, HIP16374, HIP16401
HIP17420	03:43:55.6	-19:06:36.0	K2V	14.00	2016 Jul 16	HIP16259, HIP16331, HIP16384
HIP17496	03:44:51.4	+11:55:13.4	K8V:	21.80	2016 Jul 16	HIP16359, HIP16399, HIP16445
GJ1245B	19:53:55.8	+44:24:46.1	M6V	4.54	2016 Jul 18	HIP97700, HIP97155, HIP97486
GJ1245AC	19:53:54.8	+44:24:44.6	M5.5V	4.54	2016 Jul 18	HIP97155, HIP97486, HIP97700
GJ725	18:42:44.0	+59:38:03.8	M3.0V	3.52	2016 Jul 18	HIP90833, HIP90998, HIP91203, HIP90833, HIP9
GJ820B	21:07:00.0	+38:45:21.2	K7.0V	3.49	2016 Jul 18	HIP103084, HIP103126, HIP103163
HIP100017	20:17:32.5	+66:51:18.0	G3V	17.50	2016 Jul 18	HIP100442, HIP100452, HIP98885
HIP105932	21:27:16.8	-06:50:44.5	M0	16.20	2016 Jul 18	HIP104743, HIP104946, HIP105164
HIP106231	21:31:01.0	+23:20:07.4	K8	25.00	2016 Jul 18	HIP105232, HIP105238, HIP105482
HIP106811	21:38:00.0	+27:43:23.9		13.10	2016 Jul 18	HIP105688, HIP105700, HIP106107
HIP67164	13:45:50.3	-17:58:13.8	M:	11.30	2016 Jul 22	HIP66423, HIP65983, HIP66203
HIP72603	14:50:41.0	-15:59:49.9	F3V	23.60	2016 Jul 22	HIP71559, HIP71566, HIP71684
HIP72622	14:50:52.5	-16:02:30.8	A3IV	23.60	2016 Jul 22	HIP71559, HIP71566, HIP71684

**Table 2**  
Observation table

HIP72944	14:54:29.4	+16:06:01.1	M2Ve	9.81	2016 Jul 22	HIP71838, HIP71867, HIP71904
HIP75761	15:28:38.1	+01:50:30.1	A8IV	37.40	2016 Jul 22	HIP74585, HIP74590, HIP74932
HIP76219	15:34:11.0	-10:03:55.8	K1IV	28.90	2016 Jul 22	HIP75038, HIP75076, HIP75158
GJ687	17:36:24.9	+68:19:59.9	M3.0V	4.53	2016 Jul 22	HIP85098, HIP85417, HIP85612
GJ725	18:42:44.0	+59:38:04.2	M3.0V	3.52	2016 Jul 22	HIP90833, HIP90998, HIP91203, HIP90833,
HIP38956	07:58:12.9	+41:18:01.8	M4V	8.16	2016 Jul 22	HIP38248, HIP38001, HIP38088
HIP39494	08:04:22.9	+43:57:41.4	M0	25.30	2016 Jul 22	HIP38254, HIP38266, HIP38403
HIP40875	08:20:26.1	+57:44:35.9	F4V	31.60	2016 Jul 22	HIP39639, HIP39764, HIP40474
HIP42080	08:34:36.0	+65:08:40.9	A2m	48.40	2016 Jul 22	HIP41308, HIP41488, HIP41741
HIP42220	08:36:22.5	+67:17:43.1	M2	13.80	2016 Jul 22	HIP41170, HIP41741, HIP42086
HIP42438	08:39:11.6	+65:01:16.0	G1.5Vb	14.20	2016 Jul 22	HIP41308, HIP41488, HIP41741
HIP54426	11:08:13.7	+38:25:36.1	K0	22.70	2016 Jul 22	HIP53350, HIP53405, HIP53483
HIP54745	11:12:32.0	+35:48:48.2	G0V	21.70	2016 Jul 22	HIP53620, HIP53640, HIP53641
HIP3419	00:43:35.6	-17:59:10.7	K0III	29.30	2016 Jul 23	HIP17414, HIP2351, HIP2337
HIP17414	03:43:52.7	+16:40:13.8	M2	17.20	2016 Jul 23	HIP16329, HIP16374, HIP16401
HIP17420	03:43:55.5	-19:06:36.0	K2V	14.00	2016 Jul 23	HIP16259, HIP16331, HIP16384
HIP17496	03:44:51.4	+11:55:13.8	K8V:	21.80	2016 Jul 23	HIP16359, HIP16399, HIP16445
HIP17609	03:46:20.6	+26:12:51.8	K5	14.50	2016 Jul 23	HIP16669, HIP16705, HIP16718
HIP18267	03:54:28.2	+16:36:55.4	G0	20.60	2016 Jul 23	HIP17174, HIP17234, HIP17282
HIP19255	04:07:34.5	+38:04:24.2	G5	20.50	2016 Jul 23	HIP18421, HIP18532, HIP18552
HIP33373	06:56:28.3	+40:04:22.1	K5V	24.00	2016 Jul 23	HIP32092, HIP32152, HIP32217
HIP105038	21:16:32.6	+09:23:35.2	K2	16.10	2016 Jul 25	HIP103878, HIP103869, HIP103858
HIP105152	21:18:03.0	+00:09:37.8	K2	19.20	2016 Jul 25	HIP103987, HIP104138, HIP104315
HIP105341	21:20:13.5	-19:51:18.7	K5V	16.30	2016 Jul 25	HIP104139, HIP104297, HIP104524
HIP105932	21:27:16.8	-06:50:45.2	M0	16.20	2016 Jul 25	HIP104743, HIP104946, HIP105164
HIP106231	21:31:01.0	+23:20:04.6	K8	25.00	2016 Jul 25	HIP105232, HIP105238, HIP105482
HIP106811	21:37:60.0	+27:43:24.2		13.10	2016 Jul 25	HIP105688, HIP105700, HIP106107
HIP113963	23:04:45.7	+15:12:18.4	B9.5III	42.80	2016 Jul 25	HIP112821, HIP113206, HIP113211
HIP72603	14:50:41.0	-15:59:49.9	F3V	23.60	2016 Jul 29	HIP71684, HIP71559, HIP71566
HIP72622	14:50:52.5	-16:02:31.2	A3IV	23.60	2016 Jul 29	HIP71559, HIP71566, HIP71684
HIP72944	14:54:29.4	+16:06:01.1	M2Ve	9.81	2016 Jul 29	HIP71838, , HIP71904
HIP75761	15:28:38.1	+01:50:30.1	A8IV	37.40	2016 Jul 29	HIP74585, HIP74590, HIP74932
HIP76219	15:34:11.0	-10:03:56.2	K1IV	28.90	2016 Jul 29	HIP75038, HIP75076, HIP75158
HIP76233	15:34:20.7	-05:41:41.6	F7V	25.10	2016 Jul 29	HIP75311, HIP75385, HIP75619
HIP84012	17:10:22.8	-15:43:28.2	A2.5Va	25.70	2016 Jul 29	HIP83276, HIP83335, HIP83400
HIP91430	18:38:44.8	-14:29:34.8	M1V:	12.70	2016 Jul 29	HIP90234, HIP90244, HIP90661
HIP97222	19:45:33.5	+33:36:00.4	K3V	20.30	2016 Jul 29	HIP96340, HIP96387, HIP96446
HIP10542	02:15:46.2	-18:14:16.4	K3V	22.20	2016 Jul 30	HIP10037, HIP10010, HIP11565, HIP10026
HIP11565	02:29:02.0	-19:58:41.2	K4V	18.90	2016 Jul 30	HIP10542, HIP10706, HIP10720
HIP11759	02:31:42.5	-15:16:23.2	K2V	26.10	2016 Jul 30	HIP10850, HIP10970, HIP11006, HIP19335
HIP12843	02:45:06.0	-18:34:19.9	F5/F6V	13.90	2016 Jul 30	HIP11729, HIP11747, HIP11759
HIP19335	04:08:36.8	+38:02:19.0	F7V	21.30	2016 Jul 30	HIP18532, HIP18688, HIP18770
HIP22263	04:47:36.4	-16:56:00.2	G3V	13.30	2016 Jul 30	HIP21488, HIP21489, HIP21508
HIP43534	08:51:60.0	+66:07:53.8	K5	16.40	2016 Jul 30	HIP42476, HIP42652, HIP43615
HIP45493	09:16:11.4	+54:01:18.8	A5V	36.20	2016 Jul 30	HIP44654, HIP44877, HIP45377
HIP45836	09:20:43.6	+51:16:00.1	F3V	29.00	2016 Jul 30	HIP120005, HIP44840, HIP44861
HIP105932	21:27:16.8	-06:50:44.9	M0	16.20	2016 Aug 01	HIP105483, HIP105183, HIP105301
HIP108036	21:53:18.0	-13:33:06.1	F3IV	27.60	2016 Aug 01	HIP106988, HIP107071, HIP107127
HIP108156	21:54:45.3	+32:19:39.4	K0	20.30	2016 Aug 01	HIP107013, HIP107298, HIP107727
HIP109638	22:12:36.0	+08:33:01.1	M3	13.80	2016 Aug 01	HIP108669, HIP108766, HIP108806
HIP109822	22:14:38.3	-15:49:12.0	K0/K1V	38.10	2016 Aug 01	HIP108647, HIP108649, HIP108692
HIP110341	22:20:55.8	+08:11:11.8	F6V	31.70	2016 Aug 01	HIP109218, HIP109341, HIP109658
HIP114189	23:07:28.8	+21:08:02.0	A5V	39.90	2016 Aug 01	HIP113007, HIP113124, HIP113323
HIP114971	23:17:10.7	+03:16:55.9	G7III	40.10	2016 Aug 01	HIP113832, HIP113904, HIP113977
HIP116416	23:35:25.2	+31:09:35.6	G5	23.40	2016 Aug 01	HIP115306, HIP115343, HIP115357
HIP46199	09:25:10.3	+46:05:53.2	K0	25.70	2016 Aug 05	HIP45443, HIP45174, HIP45187
HIP46417	09:27:55.8	+80:34:40.8	K8	22.90	2016 Aug 05	HIP45771, HIP46432, HIP47185
HIP46733	09:31:31.9	+63:03:43.6	F0IV	23.10	2016 Aug 05	HIP45616, HIP45794, HIP46066
HIP47300	09:38:21.7	+40:14:23.3	F0V	38.30	2016 Aug 05	HIP46381, HIP46387, HIP46503
HIP57493	11:47:03.0	+50:58:16.0	M0V:p	24.60	2016 Aug 05	HIP56337, HIP56526, HIP56545
HIP58001	11:53:50.0	+53:41:40.6	A0V SB	25.60	2016 Aug 05	HIP56935, HIP57044, HIP57135
HIP61100	12:31:18.9	+55:07:06.2	K2V	23.70	2016 Aug 05	HIP60550, HIP60946, HIP60978
HIP19337	04:08:38.0	+33:38:15.0	M1	13.60	2016 Aug 06	HIP18464, HIP18345, HIP18434
HIP19930	04:16:32.6	+36:30:01.8	K2	25.50	2016 Aug 06	HIP18851, HIP18912, HIP18973
HIP20713	04:26:20.7	+15:37:04.8	F0V...	47.90	2016 Aug 06	HIP19763, HIP19847, HIP20019
HIP20901	04:28:50.2	+13:02:51.0	A7V	49.10	2016 Aug 06	HIP19822, HIP19834, HIP19862
HIP20917	04:29:00.0	+21:55:23.5	K7V	11.40	2016 Aug 06	HIP19829, HIP19902, HIP20012
GJ244	06:45:07.9	-16:43:16.7	A1V	2.63	2016 Aug 06	HIP31055, HIP31075, HIP31244
HIP27288	05:46:57.3	-14:49:18.8	A2Vann	21.50	2016 Aug 06	HIP26017, HIP26042, HIP26074
HIP21029	04:30:33.7	+16:11:38.0	A6IV	44.30	2016 Aug 13	HIP20056, HIP19975, HIP20041
HIP21036	04:30:37.4	+13:43:27.1	F0V	45.70	2016 Aug 13	HIP20011, HIP20082, HIP20215
HIP21039	04:30:39.0	+15:41:29.8	Am	44.30	2016 Aug 13	HIP20041, HIP20056, HIP20086
HIP21421	04:35:55.4	+16:30:29.5	K5III	19.90	2016 Aug 13	HIP20350, HIP20369, HIP20482
HIP21482	04:36:48.5	+27:07:52.7	K2	17.80	2016 Aug 13	HIP20674, HIP20728, HIP20904
HIP21589	04:38:09.0	+12:30:38.2	A6V	45.80	2016 Aug 13	HIP20527, HIP20553, HIP20605
HIP32010	06:41:15.9	+23:57:23.0	K2	17.50	2016 Aug 13	HIP30724, HIP30839, HIP30880
HIP32423	06:46:03.9	+32:33:21.6	K3V	24.90	2016 Aug 13	HIP31142, HIP31431, HIP31458

**Table 2**  
Observation table

HIP32617	06:48:19.0	-01:19:08.0	F1V	40.00	2016 Aug 13	HIP31370, HIP31406, HIP31420
HIP105932	21:27:16.8	-06:50:44.9	M0	16.20	2016 Aug 14	HIP106488, HIP106163, HIP106464
HIP400	00:04:56.7	+23:16:09.1	G9V	25.60	2016 Aug 14	HIP1004, HIP1133, HIP1406
HIP4288	00:54:58.2	+23:37:41.5	K1IV	38.90	2016 Aug 14	HIP3275, HIP3495, HIP3713
HIP443	00:05:20.2	-05:42:26.3	K1III	39.40	2016 Aug 14	HIP1241, HIP1420, HIP145
HIP4845	01:02:21.1	-10:25:27.8	K7V	21.60	2016 Aug 14	HIP4044, HIP4137, HIP4276
HIP4849	01:02:24.9	+05:03:44.3	K2	21.40	2016 Aug 14	HIP3862, HIP3963, HIP4067
HIP5110	01:05:29.9	+15:23:21.1	K2V	26.50	2016 Aug 14	HIP3985, HIP3998, HIP4303
HIP21673	04:39:09.0	+15:47:57.8	A4m	46.50	2016 Aug 14	HIP20614, HIP20648, HIP20679
HIP21683	04:39:16.5	+15:55:04.4	A5Vn	48.70	2016 Aug 14	HIP20614, HIP20648, HIP20679
HIP76568	15:38:16.3	+46:47:49.6	F2V	35.70	2016 Aug 19	HIP75857, HIP75371, HIP75531
HIP81813	16:42:37.7	+68:06:13.7	K1V	24.30	2016 Aug 19	HIP80946, HIP81332, HIP81363
HIP81833	16:42:53.8	+38:55:18.1	G8III-I	34.30	2016 Aug 19	HIP80827, HIP81126, HIP81250
HIP81919	16:43:56.1	+43:28:30.0	K5	27.30	2016 Aug 19	HIP80801, HIP80812, HIP80953
HIP82020	16:45:17.8	+56:46:55.2	F2V	26.70	2016 Aug 19	HIP81612, HIP81656, HIP81862
HIP82333	16:49:24.8	+39:16:30.0	M0	22.60	2016 Aug 19	HIP81328, HIP81718, HIP97222
HIP97222	19:45:33.5	+33:36:00.4	K3V	20.30	2016 Aug 19	HIP96906, HIP96924, HIP97011
HIP98204	19:57:19.6	-12:34:12.0	K4V	18.80	2016 Aug 19	HIP97030, HIP97065, HIP97380
HIP98416	19:59:47.0	-09:57:34.9	F8V	24.50	2016 Aug 19	HIP97216, HIP97488, HIP97549
HIP48714	09:56:07.0	+62:47:08.2	M2	10.40	2016 Aug 19	HIP48132, HIP47655, HIP47791
HIP48833	09:57:40.8	+41:03:18.7	F6Vs	28.80	2016 Aug 19	HIP47690, HIP47772, HIP47775
HIP49197	10:02:27.9	+44:34:41.2	K0	27.70	2016 Aug 19	HIP48113, HIP48183, HIP48401
HIP50485	10:18:32.6	+43:02:52.8	G5	35.60	2016 Aug 19	HIP49563, HIP49576, HIP49632
HIP50505	10:18:52.0	+44:02:49.2	G5	20.60	2016 Aug 19	HIP49576, HIP49634, HIP49734
HIP51819	10:35:11.5	+84:23:58.2	K0	21.00	2016 Aug 19	HIP50675, HIP51278, HIP61481
HIP61481	12:35:51.4	+51:13:16.7	K0	26.20	2016 Aug 19	HIP60416, HIP60523, HIP60678
HIP61946	12:41:44.7	+55:43:28.2	K3V	23.20	2016 Aug 19	HIP61203, HIP61371, HIP61407
HIP62145	12:44:13.8	+51:45:29.9	K3V	15.00	2016 Aug 19	HIP61053, HIP61100,
HIP21988	04:43:35.6	+27:41:09.6	K5III	22.30	2016 Aug 20	HIP20989, HIP21105, HIP21122
HIP22044	04:44:25.9	+11:08:44.9	F0V	48.20	2016 Aug 20	HIP21036, HIP21090, HIP21112
HIP22627	04:52:05.0	+06:28:30.4	M4	12.10	2016 Aug 20	HIP21626, HIP21670, HIP21710
HIP22715	04:53:04.0	+22:14:03.1	K5V	26.90	2016 Aug 20	HIP21689, HIP21759, HIP21768
HIP22762	04:53:50.4	-17:46:34.0	M3	12.30	2016 Aug 20	HIP21705, HIP21991, HIP22052
HIP36850	07:34:35.4	+31:53:15.0	A2Vm	15.80	2016 Aug 20	HIP35687, HIP35748, HIP35825
HIP39064	07:59:34.2	+20:50:28.7	K0V	23.10	2016 Aug 20	HIP37914, HIP38287, HIP38492
HIP39896	08:08:56.3	+32:49:06.6	M0.5V:e	20.70	2016 Aug 20	HIP38644, HIP38647, HIP38723
GJ873	22:46:48.6	+44:19:53.8	M3.5V	5.04	2016 Aug 22	HIP11340, HIP111292, HIP111328
GJ905	23:41:54.8	+44:10:03.7	M5.5V	3.16	2016 Aug 22	HIP115944, HIP115985, HIP116135
HIP107346	21:44:29.8	+41:35:50.6	K0	20.20	2016 Aug 22	HIP106184, HIP106396, HIP106435
HIP108092	21:53:59.4	+41:46:40.1	M2	23.20	2016 Aug 22	HIP106970, HIP107156, HIP107468
HIP114622	23:13:21.0	+57:10:09.5	K3Vvar	6.52	2016 Aug 22	HIP113498, HIP113772, HIP113789
HIP115331	23:21:37.4	+44:05:55.3	K1V	21.90	2016 Aug 22	HIP114174, HIP114353, HIP114441
HIP544	00:06:37.2	+29:01:13.8	K0V	13.70	2016 Aug 22	HIP1024, HIP114, HIP1344
HIP5957	01:16:39.8	+25:19:50.9	K5	22.70	2016 Aug 22	HIP4868, HIP5339, HIP5469
HIP677	00:08:23.4	+29:05:22.2	B9p	29.70	2016 Aug 22	HIP1024, HIP114, HIP1344
HIP55360	11:20:09.0	+65:50:45.6	M1Vvar	9.09	2016 Aug 26	HIP54721, HIP54540, HIP54667, HIP56630
HIP55718	11:24:59.6	+40:00:11.9	M0	22.70	2016 Aug 26	HIP54614, HIP54658, HIP54663
HIP56035	11:29:04.0	+61:46:44.8	F5Vawva	32.80	2016 Aug 26	HIP55224, HIP55236, HIP55242
HIP56199	11:31:13.2	+63:09:27.0	M0	23.30	2016 Aug 26	HIP55236, HIP55241, HIP55360
HIP56630	11:36:41.4	+39:11:19.0	M0	24.30	2016 Aug 26	HIP55643, HIP55761, HIP55908
HIP62512	12:48:39.6	+60:19:08.8	F5V	24.10	2016 Aug 26	HIP61875, HIP61936, HIP62361
HIP63762	13:04:02.4	+87:06:57.6	K0	24.30	2016 Aug 26	HIP62908, HIP63163, HIP63245
HIP66781	13:41:13.3	+56:43:37.9	K0IV-V	23.70	2016 Aug 26	HIP65690, HIP65728, HIP65797
HIP67301	13:47:32.2	+49:18:47.5	B3V SB	30.80	2016 Aug 26	HIP66133, HIP66214, HIP66340
GJ412A	11:05:22.1	+43:31:50.9	M1.0V	4.86	2016 Sep 05	HIP53283, HIP53051, HIP53160
GJ380	10:11:19.8	+49:27:06.1	K7.0V	4.86	2016 Sep 05	HIP48887, HIP48924, HIP48954
GJ412B	11:05:23.8	+43:31:31.8	M5.5V	4.86	2016 Sep 05	HIP53051, HIP53160, HIP53283
HIP45343	09:14:20.0	+52:41:01.7	M0V	6.18	2016 Sep 05	HIP44638, HIP44654, HIP44957
HIP45493	09:16:11.4	+54:01:19.2	A5V	36.20	2016 Sep 05	HIP44638, HIP44654, HIP44877
HIP45836	09:20:43.6	+51:15:59.8	F3V	29.00	2016 Sep 05	HIP120005, HIP44840, HIP44861
HIP59496	12:12:05.0	+58:55:35.0	K5	28.30	2016 Sep 05	HIP58458, HIP58502, HIP58665
HIP59504	12:12:11.9	+77:36:58.0	A5m	33.60	2016 Sep 05	HIP58366, HIP58619, HIP59365
HIP5310	01:07:57.2	+20:44:19.0	A3V	49.40	2016 Sep 09	HIP4301, HIP4238, HIP4290
HIP5286	01:07:37.9	+22:57:09.7	K4V	20.70	2016 Sep 09	HIP4198, HIP4216, HIP4262
HIP5346	01:08:21.9	+05:38:56.4	F0III-I	35.90	2016 Sep 09	HIP4601, HIP4708, HIP4752
HIP5364	01:08:35.5	-10:10:58.4	K2III	36.00	2016 Sep 09	HIP4342, HIP4380, HIP4385
HIP5369	01:08:40.2	+17:14:24.0	K6	27.70	2016 Sep 09	HIP4267, HIP4459, HIP4651
HIP5799	01:14:24.1	-07:55:16.7	F5V	24.30	2016 Sep 09	HIP4747, HIP4777, HIP4948
HIP23179	04:59:15.4	+37:53:22.9	A1V	48.70	2016 Sep 09	HIP22236, HIP22966, HIP22979
HIP23497	05:03:05.0	+21:35:23.3	A7V	49.90	2016 Sep 09	HIP22394, HIP22446, HIP22536
HIP23786	05:06:42.5	+14:26:41.6	K0V	23.90	2016 Sep 09	HIP22676, HIP22740, HIP22773
HIP24284	05:12:42.1	+19:39:54.4	M5	12.70	2016 Sep 09	HIP23167, HIP23253, HIP23284
HIP25278	05:24:25.7	+17:23:00.2	F8V SB	14.60	2016 Sep 10	HIP24301, HIP24116, HIP24284
HIP24819	05:19:13.3	-03:04:23.9	K3V	16.80	2016 Sep 10	HIP23659, HIP23867, HIP23903
HIP26335	05:36:30.9	+11:19:39.0	K7	11.30	2016 Sep 10	HIP25127, HIP25228, HIP25470
HIP27207	05:46:02.0	+37:16:55.9	K0V	20.50	2016 Sep 10	HIP26033, HIP26037, HIP28103
HIP28103	05:56:24.2	-14:10:00.1	F1V	15.00	2016 Sep 10	HIP26941, HIP26962, HIP27089



**Table 2**  
Observation table

HIP28614	06:02:22.9	+09:38:48.8	Am...	46.50	2016 Sep 10	HIP27390, HIP27453, HIP27511, HIP27390, HIP2
HIP29800	06:16:26.7	+12:16:22.1	F5IV-V	19.60	2016 Sep 10	HIP28663, HIP28813, HIP28834
HIP29860	06:17:15.9	+05:06:02.2	G0.5Vb	19.30	2016 Sep 10	HIP28696, HIP28750,
HIP45383	09:14:53.5	+04:26:34.1	K0	18.40	2016 Sep 11	HIP44765, HIP44341, HIP44344
HIP57802	11:51:06.0	+35:16:23.2	M1V	8.55	2016 Sep 11	HIP56766, HIP56768, HIP57290
HIP44955	09:09:30.1	+32:48:59.4	M2	21.10	2016 Sep 11	HIP43852, HIP44128, HIP44169
HIP45617	09:17:53.5	+28:33:29.2	K3V	17.50	2016 Sep 11	HIP44651, HIP44687, HIP44856
HIP45688	09:18:50.6	+36:48:05.8	A1V	37.30	2016 Sep 11	HIP44605, HIP44646, HIP44707
HIP52422	10:43:01.0	+26:19:30.4	A4Vn	45.40	2016 Sep 11	HIP51406, HIP51574, HIP51664
HIP62956	12:54:01.0	+55:57:34.9	A0p	24.80	2016 Sep 11	HIP61837, HIP61841, HIP61911
HIP63076	12:55:28.5	+65:26:17.9	A5n	28.80	2016 Sep 11	HIP63114, HIP63289, HIP63346
HIP63503	13:00:43.9	+56:21:57.6	F2V	24.90	2016 Sep 11	HIP62578, HIP62771, HIP62781
HIP30419	06:23:46.0	+04:35:34.1	A5IV	39.30	2016 Sep 14	HIP29261, HIP29381, HIP29396
HIP30630	06:26:10.1	+18:45:22.0	K0	14.60	2016 Sep 14	HIP29492, HIP29687, HIP29689
HIP30756	06:27:46.0	+20:46:57.7	G0	18.00	2016 Sep 14	HIP29589, HIP29687, HIP29689
HIP31167	06:32:23.1	-05:52:08.4	F0Vnn+	43.20	2016 Sep 14	HIP30026, HIP30030, HIP30167
HIP31592	06:36:41.1	-19:15:22.3	K1III+	19.80	2016 Sep 14	HIP30324, HIP30414, HIP30469
HIP31635	06:37:09.0	+17:33:57.6	M1:	9.84	2016 Sep 14	HIP30393, HIP30446, HIP30487
HIP43233	08:48:26.3	+06:27:59.0	M0	25.80	2016 Sep 14	HIP42049, HIP42084, HIP42159
HIP43557	08:52:16.5	+08:03:41.4	G0	24.10	2016 Sep 14	HIP42346, HIP42353, HIP42499
HIP43587	08:52:35.2	+28:19:47.3	G8V	12.50	2016 Sep 14	HIP42371, HIP42753,
HIP68184	13:57:31.9	+61:29:38.0	K3V	10.10	2016 Sep 19	HIP67129, HIP67023, HIP67045
HIP66704	13:40:23.0	+50:31:07.7	F7.7V	25.20	2016 Sep 19	HIP65678, HIP65946, HIP66192
HIP69483	14:13:29.1	+51:47:22.6	A8IV	47.50	2016 Sep 19	HIP68332, HIP68503, HIP68553
HIP70497	14:25:11.3	+51:50:56.8	F7V	14.50	2016 Sep 19	HIP69322, HIP69442, HIP69488
HIP70857	14:29:21.8	+80:48:32.8	G5	19.50	2016 Sep 19	HIP69665, HIP70485, HIP70618
HIP70952	14:30:45.6	+63:11:07.1	F4IV	31.70	2016 Sep 19	HIP69827, HIP70144, HIP70255
HIP110395	22:21:39.5	-01:23:14.3	A0V	48.30	2016 Sep 23	HIP109748, HIP109301, HIP109650
HIP110526	22:23:29.4	+32:27:29.9	M0...	16.00	2016 Sep 23	HIP109361, HIP109418, HIP109645
HIP110640	22:24:45.3	+22:33:02.5	M0	21.30	2016 Sep 23	HIP109447, HIP109501, HIP109589
HIP110750	22:26:13.7	-19:11:17.5	K3/K4V	26.70	2016 Sep 23	HIP109675, HIP109685, HIP109822
HIP110778	22:26:34.5	-16:44:31.6	G3V	20.00	2016 Sep 23	HIP109607, HIP109624, HIP109820
HIP5938	01:16:24.3	-12:05:49.2	K0V	26.50	2016 Sep 23	HIP4845, HIP4909, HIP5164
HIP6069	01:17:53.3	+05:28:16.0	M2V:	15.30	2016 Sep 23	HIP4978, HIP5073, HIP5209
HIP6537	01:24:01.0	-08:11:02.8	K0III	35.10	2016 Sep 23	HIP5504, HIP5524, HIP5581
HIP76603	15:38:40.0	-08:47:29.0	F6V	24.80	2016 Sep 26	HIP75429, HIP75387, HIP75426
HIP75722	15:28:12.2	-09:21:33.8	K2V	20.80	2016 Sep 26	HIP74594, HIP74613, HIP74671
HIP77052	15:44:01.1	+02:30:51.5	G5V	14.60	2016 Sep 26	HIP75969, HIP76058, HIP76151
HIP77060	15:44:04.0	-15:40:22.8	A6IV	45.00	2016 Sep 26	HIP75931, HIP75935, HIP76003
HIP110951	22:28:46.1	+18:55:52.3		22.50	2016 Sep 28	HIP109966, HIP109846, HIP109858
HIP105932	21:27:16.8	-06:50:44.5	M0	16.20	2016 Sep 28	HIP104878, HIP104893, HIP105066
HIP116838	23:40:51.7	+20:21:58.0	K2	25.30	2016 Sep 28	HIP115904, HIP116040, HIP116282
HIP116971	23:42:43.4	-14:32:42.0	B9V	47.20	2016 Sep 28	HIP115954, HIP116233, HIP116245
HIP92270	18:48:16.4	+23:30:52.6	F8V	28.60	2016 Sep 29	HIP91168, HIP91101, HIP91150
HIP105932	21:27:16.8	-06:50:45.2	M0	16.20	2016 Sep 29	HIP104878, HIP104893, HIP105066
HIP92283	18:48:29.3	+10:44:35.9	K0	17.30	2016 Sep 29	HIP91073, HIP91233, HIP91240
HIP92311	18:48:51.4	+17:26:12.5	M0	17.00	2016 Sep 29	HIP91169, HIP91205, HIP91410
HIP105406	21:21:01.0	+40:20:38.0	F8V	26.50	2016 Oct 01	HIP104354, HIP104208, HIP104344
HIP105199	21:18:35.0	+62:35:07.8	A7IV-V	14.90	2016 Oct 01	HIP104020, HIP104502, HIP104788
HIP106400	21:33:01.0	+62:00:11.2	K	23.10	2016 Oct 01	HIP105594, HIP105610, HIP105625
HIP106481	21:33:58.8	+45:35:29.0	G8III	38.10	2016 Oct 01	HIP105361, HIP105555, HIP105584
HIP109857	22:15:03.0	+57:02:37.0	F0IV	25.70	2016 Oct 01	HIP108860, HIP108938, HIP108948
HIP114622	23:13:21.0	+57:10:09.1	K3Vvar	6.52	2016 Oct 01	HIP113790, HIP113853, HIP113918
HIP6748	01:26:51.5	-13:03:23.0	F0V	36.20	2016 Oct 01	HIP5769, HIP5899, HIP5999
HIP6917	01:29:04.0	+21:43:25.0	K2V	23.10	2016 Oct 01	HIP5942, HIP5965, HIP6163
HIP7535	01:37:05.0	+12:08:29.0	F0V	33.80	2016 Oct 01	HIP6489, HIP6705, HIP7043
HIP78286	15:59:04.0	+49:52:50.2	F0IV	49.00	2016 Oct 03	HIP77714, HIP77652, HIP77695
HIP78180	15:57:47.1	+54:45:00.4	F0IV	33.80	2016 Oct 03	HIP77037, HIP77192, HIP77438
HIP80459	16:25:25.4	+54:18:11.9	M2	6.58	2016 Oct 03	HIP79423, HIP79426, HIP79613
HIP80480	16:25:42.5	+78:57:51.1	F0V	42.30	2016 Oct 03	HIP79489, HIP79517, HIP79521
HIP82860	16:56:02.1	+65:08:06.0	F6Vvar	15.00	2016 Oct 03	HIP81813, HIP82056, HIP82518
HIP77760	15:52:41.1	+42:27:15.1	F9V	15.80	2016 Oct 03	HIP76641, HIP76653, HIP76704
HIP93805	19:06:14.9	-04:52:58.1	B9Vn	38.30	2016 Oct 04	HIP92770, HIP92884, HIP92963
HIP97222	19:45:33.5	+33:36:00.0	K3V	20.30	2016 Oct 04	HIP96477, HIP96660, HIP96759
HIP98036	19:55:18.9	+06:24:15.8	G8IVvar	13.70	2016 Oct 04	HIP96943, HIP96969, HIP96976
GJ725	18:42:44.0	+59:38:04.2	M3.0V	3.52	2016 Oct 06	HIP91258, HIP91315, HIP91391
HIP100859	20:27:02.0	+49:22:59.9	F0V:	37.60	2016 Oct 07	HIP100271, HIP100162, HIP100255
HIP101093	20:29:34.9	+62:59:38.0	A7III	41.50	2016 Oct 07	HIP100933, HIP101180, HIP101420
HIP101180	20:30:33.0	+65:27:02.5	M3	7.96	2016 Oct 07	HIP101093, HIP100017, HIP100314, HIP101401
HIP83006	16:57:42.1	+47:21:47.2	K0	17.50	2016 Oct 09	HIP81895, HIP81959, HIP82092
HIP83020	16:57:52.9	+47:22:03.4	K0	17.90	2016 Oct 09	HIP81895, HIP81959, HIP82092
HIP83451	17:03:17.9	+59:35:10.7	K4V...	25.10	2016 Oct 09	HIP82421, HIP82552, HIP82655
HIP83608	17:05:19.9	+54:28:12.0	F5	26.90	2016 Oct 09	HIP82575, HIP82759, HIP82910
HIP83996	17:10:12.5	+54:29:22.2	K8	20.80	2016 Oct 15	HIP83467, HIP82939, HIP83265
HIP84790	17:19:53.1	+41:42:36.0	M4	12.30	2016 Oct 15	HIP83673, HIP83763, HIP83945
HIP84183	17:12:32.5	+62:52:27.8	F0IV	41.60	2016 Oct 15	HIP83895, HIP84047, HIP84244
HIP84616	17:17:50.4	+52:26:46.0	K2	18.50	2016 Oct 15	HIP83608, HIP83645, HIP83648

**Table 2**  
Observation table

HIP85235	17:24:58.6	+67:18:23.8	K0V	12.70	2016 Oct 15	HIP84088, HIP84179, HIP84597
HIP85653	17:30:16.7	+47:24:09.4	G5	22.30	2016 Oct 15	HIP84520, HIP84639, HIP84892
HIP97222	19:45:33.5	+33:36:00.0	K3V	20.30	2016 Oct 15	HIP97232, HIP97477, HIP97482
HIP98819	20:04:05.0	+17:04:04.8	G1V	17.60	2016 Oct 16	HIP100034, HIP100084, HIP120148
HIP98828	20:04:09.0	+25:47:24.0	K3V	21.60	2016 Oct 16	HIP100020, HIP100021, HIP100066
HIP35872	07:23:47.0	+12:57:46.1	G5	25.00	2016 Oct 16	HIP34858, HIP34705, HIP34810
GJ1111	08:29:48.1	+26:46:26.4	M6.0V	3.62	2016 Oct 16	HIP40676, HIP41124, HIP41187
HIP36393	07:29:20.3	+28:07:03.7	A4V	50.00	2016 Oct 16	HIP35193, HIP35298, HIP35345
HIP36399	07:29:25.6	-07:33:01.8	F8V	27.80	2016 Oct 16	HIP35271, HIP35300, HIP35529
HIP40671	08:18:10.4	+30:35:48.8	K4V	22.50	2016 Oct 16	HIP39480, HIP39612, HIP39630
HIP40774	08:19:18.8	+01:20:19.0	G5	23.30	2016 Oct 16	HIP39553, HIP39872, HIP39924
HIP45839	09:20:43.9	-05:45:15.8	K2	24.10	2016 Oct 16	HIP44696, HIP45041, HIP45047
HIP46509	09:29:08.1	-02:46:08.8	F6V	17.00	2016 Oct 16	HIP45521, HIP45592, HIP45635
HIP46549	09:29:34.5	-05:22:21.0	M0:	23.50	2016 Oct 16	HIP45621, HIP45689, HIP45710
HIP115341	23:21:44.7	+45:10:32.2	K2	20.90	2016 Oct 19	HIP114277, HIP114264, HIP114274
HIP114622	23:13:21.0	+57:10:08.0	K3Vvar	6.52	2016 Oct 19	HIP114163, HIP114253, HIP114563
HIP116085	23:31:24.5	+59:09:56.9	K2V	16.80	2016 Oct 19	HIP115131, HIP115198, HIP115267
HIP116584	23:37:34.0	+46:27:22.3	G8III-I	25.80	2016 Oct 19	HIP115480, HIP115514, HIP115540
HIP116613	23:37:59.0	+46:11:57.5	G5	23.10	2016 Oct 19	HIP115480, HIP115514, HIP115625
HIP116727	23:39:20.4	+77:37:58.1	K1IV	13.70	2016 Oct 19	HIP115764, HIP115773, HIP116026
HIP7981	01:42:29.4	+20:15:55.1	K1V	7.46	2016 Oct 19	HIP6917, HIP6966, HIP6975
HIP8051	01:43:19.7	+04:19:05.2	M2V:	11.20	2016 Oct 19	HIP6915, HIP7069, HIP7071
HIP8275	01:46:38.7	+12:24:41.0	K5	23.00	2016 Oct 19	HIP7172, HIP7300, HIP7644
HIP102843	20:50:05.0	+44:03:34.9	A4me...	42.20	2016 Oct 22	HIP101963, HIP101825, HIP101934
HIP102253	20:43:11.0	+66:39:27.4	A8V	42.50	2016 Oct 22	HIP101701, HIP102429, HIP102466
HIP102870	20:50:33.5	+52:54:05.4	K5	22.40	2016 Oct 22	HIP101900, HIP101903, HIP102001
HIP103096	20:53:19.7	+62:09:02.2	M2V	7.04	2016 Oct 22	HIP101938, HIP102193, HIP102544
HIP85819	17:32:10.8	+55:11:03.5	Am...	30.30	2016 Oct 22	HIP84837, HIP84664, HIP84762
HIP71181	14:33:28.4	+52:54:35.3	K3V	13.40	2016 Oct 22	HIP70068, HIP70088, HIP70253
HIP85829	17:32:16.2	+55:10:23.2	Am	30.60	2016 Oct 22	HIP84664, HIP84762, HIP84837
HIP86036	17:34:60.0	+61:52:20.3	G0V	14.00	2016 Oct 22	HIP85575, HIP85620, HIP85817
HIP86087	17:35:35.0	+61:40:45.1	M1	14.00	2016 Oct 22	HIP85575, HIP85620, HIP86067
HIP97222	19:45:33.5	+33:36:00.0	K3V	20.30	2016 Oct 22	HIP97609, HIP97640, HIP97711
HIP99711	20:13:59.7	+00:51:55.4	K0	19.80	2016 Oct 22	HIP100159, HIP100786, HIP98698
HIP99742	20:14:16.6	+15:11:52.4	A2V	47.00	2016 Oct 22	HIP100115, HIP100329, HIP100514
HIP99764	20:14:28.1	-07:16:59.5	K7V	20.30	2016 Oct 23	HIP100072, HIP100188, HIP100407
HIP86141	17:36:13.1	+71:52:43.0	K5	19.00	2016 Nov 18	HIP86137, HIP85021, HIP85509, HIP86201
HIP85699	17:30:52.9	+86:58:02.6	A2m	47.80	2016 Nov 18	HIP84525, HIP84702, HIP84858
HIP86201	17:36:57.0	+68:45:33.1	F5V	23.40	2016 Nov 18	HIP85973, HIP86141, HIP86192
HIP86340	17:38:33.6	+71:20:00.2	M0	23.90	2016 Nov 18	HIP85509, HIP86102, HIP86137
HIP86776	17:43:55.9	+43:22:32.9	M3	9.48	2016 Nov 18	HIP85686, HIP85932, HIP85977
GJ725	18:42:44.0	+59:38:03.8	M3.0V	3.52	2016 Nov 18	HIP90542, HIP90685, HIP90783
HIP93408	19:01:26.3	+46:56:03.1	A7V	39.10	2016 Nov 18	HIP92219, HIP92247, HIP92269
HIP52469	10:43:32.5	+46:12:11.9	F5III	35.60	2016 Dec 19	HIP51693, HIP51649, HIP51669
HIP51658	10:33:14.1	+40:25:31.1	A7IV	34.30	2016 Dec 19	HIP50679, HIP50687, HIP50743, HIP54952
HIP52470	10:43:33.2	+48:12:52.9	G5	25.20	2016 Dec 19	HIP51427, HIP51434, HIP51463
HIP52600	10:45:21.3	+38:30:43.9	M2	14.10	2016 Dec 19	HIP51492, HIP51639, HIP51658
HIP8903	01:54:38.4	+20:48:27.0	A5V...	18.20	2016 Dec 24	HIP8146, HIP10019, HIP7889
HIP8497	01:49:34.9	-10:41:11.8	F3III	23.60	2016 Dec 24	HIP7580, HIP7730, HIP7772
HIP9094	01:57:09.0	-10:14:35.9	G5	33.90	2016 Dec 24	HIP10172, HIP8092, HIP8144
HIP42748	08:42:44.8	+09:33:15.8	M0	13.30	2016 Dec 27	HIP42112, HIP41585, HIP41790
HIP42173	08:35:51.1	+06:37:18.8	G5V	23.40	2016 Dec 27	HIP41064, HIP41150, HIP41183
HIP42806	08:43:17.0	+21:28:04.8	A1IV	48.50	2016 Dec 27	HIP41743, HIP41816, HIP41883
HIP43667	08:53:47.0	+35:13:14.9	M0V:	25.80	2016 Dec 27	HIP42475, HIP42696, HIP42730
HIP43970	08:57:15.0	+15:19:21.7	A5III	49.00	2016 Dec 27	HIP42764, HIP42814, HIP42952
HIP44001	08:57:35.2	+15:34:51.2	F0IV	49.20	2016 Dec 27	HIP42814, HIP42853, HIP42952
HIP72944	14:54:29.5	+16:06:01.1	M2Ve	9.81	2016 Dec 27	HIP71716, HIP71799, HIP71827
HIP77655	15:51:13.8	+35:39:21.2	K0III-I	31.10	2016 Dec 27	HIP76452, HIP76773, HIP76814
HIP16499	03:32:26.1	+46:03:22.7	F4IIIva	36.40	2016 Dec 28	HIP15498, HIP15460, HIP15497
HIP15638	03:21:26.4	+79:58:05.2	M2:	13.70	2016 Dec 28	HIP14844, HIP16191, HIP16276
HIP17666	03:47:02.0	+41:25:18.1	K1V	24.40	2016 Dec 28	HIP16655, HIP16912, HIP16964
HIP17749	03:48:01.0	+68:40:26.0	K0	17.30	2016 Dec 28	HIP16731, HIP16849, HIP17178
HIP42173	08:35:51.1	+06:37:18.1	G5V	23.40	2016 Dec 28	HIP41064, HIP41150, HIP41183
HIP42748	08:42:44.7	+09:33:14.0	M0	13.30	2016 Dec 28	HIP41585, HIP41790, HIP42112
HIP42806	08:43:17.0	+21:28:04.8	A1IV	48.50	2016 Dec 28	HIP41743, HIP41816, HIP41883
HIP43667	08:53:47.0	+35:13:14.5	M0V:	25.80	2016 Dec 28	HIP42475, HIP42696, HIP42730
HIP43970	08:57:15.0	+15:19:22.4	A5III	49.00	2016 Dec 28	HIP42764, HIP42814, HIP42952
HIP117712	23:52:26.7	+75:32:41.3	K3V	10.70	2016 Dec 30	HIP117376, HIP116666, HIP117172
HIP114622	23:13:20.9	+57:10:08.8	K3Vvar	6.52	2016 Dec 30	HIP115104, HIP115186, HIP115508
HIP117795	23:53:20.1	+59:56:42.4	K8	27.30	2016 Dec 30	HIP116707, HIP116944, HIP117217
HIP118212	23:58:44.5	+46:43:44.4	M0	17.30	2016 Dec 30	HIP117207, HIP117286, HIP117334
HIP98906	20:05:00.0	+54:25:45.8	M3	15.80	2016 Dec 30	HIP100055, HIP97653, HIP97870
HIP99427	20:10:53.0	+77:14:32.3	K5	16.70	2016 Dec 31	HIP100670, HIP99560, HIP99759
HIP9153	01:57:55.6	+23:35:44.5	F0V	40.80	2016 Dec 31	HIP10053, HIP10098, HIP10221
HIP9269	01:59:06.0	+33:12:29.2	G5	24.50	2016 Dec 31	HIP10022, HIP10064, HIP8194
HIP9716	02:04:59.3	-15:40:41.2	K0V	25.50	2016 Dec 31	HIP10072, HIP10444, HIP10646
HIP94346	19:12:11.6	+57:40:24.6	G8V	20.00	2017 Jan 01	HIP93112, HIP93161, HIP93541

**Table 2**  
Observation table

HIP94376	19:12:33.5	+67:39:41.0	G9III	30.70	2017 Jan 01	HIP93187, HIP93306, HIP93490
HIP94779	19:17:06.0	+53:22:05.2	K0III	37.70	2017 Jan 01	HIP93979, HIP94000, HIP94293
HIP95575	19:26:26.7	+49:28:00.1	K3V	25.10	2017 Jan 01	HIP94472, HIP94565, HIP94721
HIP114622	23:13:21.0	+57:10:09.1	K3Vvar	6.52	2017 Jan 02	HIP113527, HIP113626, HIP113702
HIP99427	20:10:52.8	+77:14:31.9	K5	16.70	2017 Jan 02	HIP100670, HIP99560, HIP99759
HIP99655	20:13:23.9	+56:34:05.5	A3IV-Vn	46.70	2017 Jan 02	HIP100081, HIP100545, HIP100701
HIP99880	20:15:52.7	+42:58:43.0	M0	24.40	2017 Jan 02	HIP100019, HIP100040, HIP100241
HIP95995	19:31:06.0	+58:35:03.5	K1V	16.70	2017 Jan 02	HIP95920, HIP94835, HIP94860
HIP114622	23:13:21.0	+57:10:09.5	K3Vvar	6.52	2017 Jan 02	HIP113557, HIP113584, HIP113614
HIP96895	19:41:48.6	+50:31:27.5	G2V	21.60	2017 Jan 02	HIP95656, HIP95737, HIP95853
HIP96901	19:41:51.7	+50:30:56.5	G5V	21.40	2017 Jan 02	HIP95737, HIP95853, HIP95872
HIP44072	08:58:38.8	+20:32:47.0	M0	20.60	2017 Feb 16	HIP43078, HIP43171, HIP43242
HIP44075	08:58:44.3	-16:07:52.3	F7/F8IV	21.30	2017 Feb 16	HIP42992, HIP43038, HIP43099
HIP46816	09:32:25.5	-11:11:02.4	K0	18.30	2017 Feb 16	HIP45645, HIP45656, HIP45730
HIP72944	14:54:29.4	+16:06:03.6	M2Ve	9.81	2017 Feb 18	HIP71914, HIP72043, HIP72116
HIP114622	23:13:20.8	+57:10:11.3	K3Vvar	6.52	2017 Feb 19	HIP113764, HIP113716, HIP113755
HIP1086	00:13:30.5	+41:02:03.5	F0IV	35.00	2017 Feb 19	HIP1125, HIP1152, HIP1233
HIP1368	00:17:06.8	+40:56:55.0	M0	14.90	2017 Feb 19	HIP1125, HIP1152, HIP1233
HIP3206	00:40:49.4	+40:11:04.2	K2V	17.20	2017 Feb 19	HIP2258, HIP2420, HIP2434
HIP428	00:05:12.3	+45:47:05.6	M2	11.40	2017 Feb 19	HIP1090, HIP1337, HIP1343
HIP4436	00:56:45.2	+38:29:55.7	A5V	41.70	2017 Feb 19	HIP3333, HIP3597, HIP3677
HIP4907	01:02:58.3	+69:13:34.0	G5	25.80	2017 Feb 20	HIP3876, HIP4550, HIP4635
HIP97222	19:45:33.6	+33:35:59.6	K3V	20.30	2017 Feb 20	HIP98126, HIP97744, HIP97891
GJ725	18:42:44.0	+59:38:01.7	M3.0V	3.52	2017 Feb 20	HIP91052, HIP91065, HIP91136
HIP114622	23:13:20.7	+57:10:06.6	K3Vvar	6.52	2017 Feb 20	HIP113797, HIP113803, HIP113908
HIP117946	23:55:26.6	+22:11:34.4	K0	25.40	2017 Feb 20	HIP116888, HIP116933, HIP117185
HIP77349	15:47:24.2	-10:53:49.9	K:...	15.50	2017 Feb 25	HIP76138, HIP76243, HIP76269