

UT Date 2008-11-02 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:00	19:50:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0011-0025.FLAT	7	01:05	19:50:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0026.BFCyg	15	01:34	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0027.BFCyg	15	01:34	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0028.COMP	10	01:35	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0029.CICyg	4	01:36	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0030.CICyg	15	01:36	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0031.COMP	10	01:37	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0032.V1016Cyg	15	01:38	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0033.V1016Cyg	5	01:39	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0034.V1016Cyg	60	01:39	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0035.COMP	10	01:41	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0036.V1515Cyg	180	01:42	20:23:48.0	+42:12:24	300	90	3.0	#12 Symbiotic	2	
0037.COMP	10	01:46	20:23:48.0	+42:12:24	300	90	3.0	#12 Symbiotic	2	
0038.V1057Cyg	30	01:47	20:58:54.0	+44:15:30	300	90	3.0	#12 Symbiotic	2	
0039.V1057Cyg	120	01:48	20:58:54.0	+44:15:30	300	90	3.0	#12 Symbiotic	2	
0040.COMP	10	01:50	20:58:54.0	+44:15:30	300	90	3.0	#12 Symbiotic	2	
0041.V407Cyg	30	01:51	21:02:09.0	+45:46:33	300	90	3.0	#12 Symbiotic	2	
0042.V407Cyg	150	01:52	21:02:09.0	+45:46:33	300	90	3.0	#12 Symbiotic	2	
0043.COMP	10	01:55	21:02:09.0	+45:46:33	300	90	3.0	#12 Symbiotic	2	

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0044.V1329Cyg	15	01:57	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0045.V1329Cyg	120	01:58	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0046.COMP	10	02:00	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0047.S4038.86+4213	90	02:01	20:40:38.9	+42:13:15	300	90	3.0	#183 Young Sta	2	
0048.S4040.71+4223	90	02:03	20:40:40.7	+42:23:27	300	90	3.0	#183 Young Sta	2	
0049.S4047.58+4222	90	02:05	20:40:47.6	+42:22:56	300	90	3.0	#183 Young Sta	2	
0050.S4049.81+4231	90	02:07	20:40:49.8	+42:31:59	300	90	3.0	#183 Young Sta	2	
0051.COMP	10	02:09	20:40:49.8	+42:31:59	300	90	3.0	#183 Young Sta	2	
0052.S4051.38+4134	100	02:10	20:40:51.4	+41:34:22	300	90	3.0	#183 Young Sta	2	
0053.S4053.91+4121	100	02:12	20:40:53.9	+41:21:55	300	90	3.0	#183 Young Sta	2	
0054.S4055.92+4212	90	02:14	20:40:55.9	+42:12:19	300	90	3.0	#183 Young Sta	2	
0055.S4056.64+4223	90	02:16	20:40:56.6	+42:23:16	300	90	3.0	#183 Young Sta	2	
0056.COMP	10	02:19	20:40:56.6	+42:23:16	300	90	3.0	#183 Young Sta	2	
0057.S4100.20+4128	90	02:19	20:41:00.2	+41:28:26	300	90	3.0	#183 Young Sta	2	
0058.S4101.14+4212	90	02:21	20:41:01.1	+42:12:19	300	90	3.0	#183 Young Sta	2	
0059.S4101.42+4121	90	02:24	20:41:01.4	+41:21:10	300	90	3.0	#183 Young Sta	2	
0060.S4103.69+4124	100	02:26	20:41:03.7	+41:24:07	300	90	3.0	#183 Young Sta	2	
0061.COMP	10	02:27	20:41:03.7	+41:24:07	300	90	3.0	#183 Young Sta	2	
0062.S4111.45+4201	90	02:28	20:41:11.5	+42:02:00	300	90	3.0	#183 Young Sta	2	
0063.S4112.57+4212	100	02:30	20:41:12.6	+42:12:09	300	90	3.0	#183 Young Sta	2	

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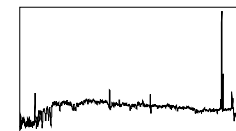
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064.S4113.53+4129	90	02:33	20:41:13.5	+41:29:49	300	90	3.0	#183 Young Sta	2	
0065.S4114.24+4119	90	02:35	20:41:14.2	+41:19:16	300	90	3.0	#183 Young Sta	2	
0066.S4120.89+4215	90	02:37	20:41:20.9	+42:15:21	300	90	3.0	#183 Young Sta	2	
0067.COMP	10	02:39	20:41:20.9	+42:15:21	300	90	3.0	#183 Young Sta	2	
0068.S4122.17+4222	90	02:40	20:41:22.2	+42:22:34	300	90	3.0	#183 Young Sta	2	
0069.S4126.03+4245	90	02:42	20:41:26.0	+42:45:08	300	90	3.0	#183 Young Sta	2	
0070.S4128.91+4243	100	02:44	20:41:28.9	+42:43:10	300	90	3.0	#183 Young Sta	2	
0071.S4129.03+4147	90	02:46	20:41:29.0	+41:47:14	300	90	3.0	#183 Young Sta	2	
0072.COMP	10	02:48	20:41:29.0	+41:47:14	300	90	3.0	#183 Young Sta	2	
0073.BDp284211	120	02:49	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0074.BDp284211	120	02:51	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0075.COMP	10	02:53	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0076.BDp174708	20	02:55	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0077.BDp174708	20	02:55	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0078.BDp174708	20	02:56	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0079.COMP	10	02:57	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0080.PUVu1	10	02:59	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0081.PUVu1	60	02:59	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0082.PUVu1	120	03:01	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0083.COMP	10	03:03	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	

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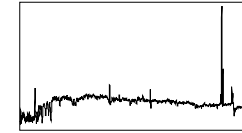
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0084.IFC048	1800	03:05	19:53:51.8	+28:30:47	300	77	3.0	#186 IPHAS AGB	2	faint comp to w
0085.COMP	10	03:35	19:53:51.8	+28:30:47	300	77	3.0	#186 IPHAS AGB	2	
0086.BLLac	240	03:37	22:02:43.3	+42:16:40	300	90	3.0	#6 AGN Monitor	2	
0087.BLLac	240	03:41	22:02:43.3	+42:16:40	300	90	3.0	#6 AGN Monitor	2	
0088.COMP	10	03:46	22:02:43.3	+42:16:40	300	90	3.0	#6 AGN Monitor	2	
0089.ZAnd	3	03:48	23:33:40.0	+48:49:06	300	0	3.0	#12 Symbiotic	2	
0090.ZAnd	10	03:49	23:33:40.0	+48:49:06	300	0	3.0	#12 Symbiotic	2	
0091.ZAnd	30	03:49	23:33:40.0	+48:49:06	300	0	3.0	#12 Symbiotic	2	
0092.COMP	10	03:50	23:33:40.0	+48:49:06	300	0	3.0	#12 Symbiotic	2	
0093.1ES2344p514	360	03:51	23:47:04.6	+51:42:18	300	0	3.0	#6 AGN Monitor	2	
0094.1ES2344p514	360	03:57	23:47:04.6	+51:42:18	300	0	3.0	#6 AGN Monitor	2	
0095.COMP	10	04:03	23:47:04.6	+51:42:18	300	0	3.0	#6 AGN Monitor	2	
0096.IFC045	1200	04:06	23:35:15.8	+62:51:57	300	0	3.0	#186 IPHAS AGB	2	
0097.COMP	10	04:26	23:35:15.8	+62:51:57	300	0	3.0	#186 IPHAS AGB	2	
0098.IPHASB_1030	360	04:28	00:07:30.1	+59:56:14	300	0	3.0	#157 IPHAS	2	
0099.COMP	10	04:34	00:07:30.1	+59:56:14	300	0	3.0	#157 IPHAS	2	
0100.IPHASB_1032	420	04:35	00:07:49.5	+61:03:14	300	0	3.0	#157 IPHAS	2	
0101.COMP	10	04:42	00:07:49.5	+61:03:14	300	0	3.0	#157 IPHAS	2	
0102.IPHASB_1035	300	04:43	00:08:23.0	+65:16:22	300	0	3.0	#157 IPHAS	2	
0103.COMP	10	04:49	00:08:23.0	+65:16:22	300	0	3.0	#157 IPHAS	2	

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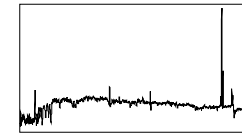
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0104.IPHASB_1034	300	04:50	00:08:07.0	+59:28:05	300	0	3.0	#157 IPHAS	2	
0105.COMP	10	04:55	00:08:07.0	+59:28:05	300	0	3.0	#157 IPHAS	2	
0106.IPHASB_1036	479	04:56	00:09:02.5	+62:58:40	300	0	3.0	#157 IPHAS	2	
0107.COMP	10	05:04	00:09:02.5	+62:58:40	300	0	3.0	#157 IPHAS	2	
0108.IPHASB_1038	600	05:05	00:09:41.9	+63:50:41	300	0	3.0	#157 IPHAS	2	
0109.COMP	10	05:16	00:09:41.9	+63:50:41	300	0	3.0	#157 IPHAS	2	
0110.IPHASB_1039	360	05:17	00:09:56.5	+62:08:12	300	0	3.0	#157 IPHAS	2	
0111.COMP	10	05:23	00:09:56.5	+62:08:12	300	0	3.0	#157 IPHAS	2	
0112.IPHASB_1040	240	05:24	00:10:26.3	+60:20:51	300	0	3.0	#157 IPHAS	2	
0113.COMP	10	05:28	00:10:26.3	+60:20:51	300	0	3.0	#157 IPHAS	2	
0114.IPHASB_1042	362	05:29	00:10:36.4	+58:50:05	300	0	3.0	#157 IPHAS	2	
0115.COMP	10	05:36	00:10:36.4	+58:50:05	300	0	3.0	#157 IPHAS	2	
0116.sn2008g1	1200	05:40	01:20:54.8	+04:48:19	300	0	3.0	#2 SN Observat	2	
0117.COMP	10	06:00	01:20:54.8	+04:48:19	300	0	3.0	#2 SN Observat	2	
0118.sn2008g1	1200	06:01	01:20:54.8	+04:48:19	300	0	3.0	#2 SN Observat	2	
0119.COMP	10	06:21	01:20:54.8	+04:48:19	300	0	3.0	#2 SN Observat	2	
0120.IPHASB_1041	720	06:24	00:10:33.3	+58:40:21	300	0	3.0	#157 IPHAS	2	
0121.COMP	10	06:36	00:10:33.3	+58:40:21	300	0	3.0	#157 IPHAS	2	
0122.IPHASB_1046	300	06:38	00:10:51.9	+62:10:09	300	0	3.0	#157 IPHAS	2	
0123.COMP	10	06:43	00:10:51.9	+62:10:09	300	0	3.0	#157 IPHAS	2	

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0124.IPHASB_1048	330	06:44	00:11:13.7	+62:40:23	300	0	3.0	#157 IPHAS	2	
0125.COMP	10	06:50	00:11:13.7	+62:40:23	300	0	3.0	#157 IPHAS	2	
0126.IPHASB_1049	300	06:51	00:11:22.3	+61:16:16	300	0	3.0	#157 IPHAS	2	
0127.COMP	10	06:56	00:11:22.3	+61:16:16	300	0	3.0	#157 IPHAS	2	
0128.IPHASB_1224	720	06:57	01:17:45.3	+65:14:55	300	0	3.0	#157 IPHAS	2	
0129.COMP	10	07:09	01:17:45.3	+65:14:55	300	0	3.0	#157 IPHAS	2	
0130.IPHASB_1225	240	07:10	01:17:57.1	+59:40:46	300	0	3.0	#157 IPHAS	2	
0131.COMP	10	07:15	01:17:57.1	+59:40:46	300	0	3.0	#157 IPHAS	2	
0132.IPHASB_1265	330	07:15	01:37:39.4	+61:32:59	300	0	3.0	#157 IPHAS	2	
0133.COMP	10	07:21	01:37:39.4	+61:32:59	300	0	3.0	#157 IPHAS	2	
0134.IPHASB_1266	270	07:22	01:38:25.6	+63:50:08	300	0	3.0	#157 IPHAS	2	
0135.COMP	10	07:27	01:38:25.6	+63:50:08	300	0	3.0	#157 IPHAS	2	
0136.IPHASB_1491	720	07:28	02:37:22.5	+58:34:05	300	0	3.0	#157 IPHAS	2	
0137.COMP	10	07:40	02:37:22.5	+58:34:05	300	0	3.0	#157 IPHAS	2	
0138.IPHASB_1526	300	07:41	02:45:19.1	+63:37:55	300	0	3.0	#157 IPHAS	2	
0139.COMP	10	07:47	02:45:19.1	+63:37:55	300	0	3.0	#157 IPHAS	2	
0140.IPHASB_1591	240	07:49	02:59:52.3	+56:09:26	300	0	3.0	#157 IPHAS	2	
0141.COMP	10	07:53	02:59:52.3	+56:09:26	300	0	3.0	#157 IPHAS	2	
0142.HD19445	10	07:57	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	5-sec slit, clear sky
0143.HD19445	10	07:57	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	

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0144.HD19445	10	07:57	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0145.HD19445	10	07:58	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0146.HD19445	10	07:59	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0147.HD19445	10	07:59	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0148.HD19445	10	08:00	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0149.HD19445	10	08:00	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0150.HD19445	10	08:01	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0151.COMP	5	08:02	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0152-0161.FLAT	4	08:05	03:08:25.6	+26:19:51	300	90	5.0	#56 Spectropho	2	
0162-0169.BIAS	0	08:12	03:20:00.0	-30:00:00	600	90	1.5	#56 Spectropho	4	
0170.BIAS	0	08:12	03:20:00.0	-30:00:00	600	90	1.5	#56 Spectropho	4	focus telescope down here
0171.BIAS	0	08:12	03:20:00.0	-30:00:00	600	90	1.5	#56 Spectropho	4	
0172.pg0237p242	1200	08:16	02:40:28.4	+24:22:11	600	90	1.5	#182 Runaway B	4	600-line, 1.5-sec, 440 Warren
0173.COMP	10	08:36	02:40:28.4	+24:22:11	600	90	1.5	#182 Runaway B	4	
0174.pg0237p242	1200	08:37	02:40:28.4	+24:22:11	600	90	1.5	#182 Runaway B	4	
0175.COMP	10	08:57	02:40:28.4	+24:22:11	600	90	1.5	#182 Runaway B	4	
0176.HD19445	15	08:59	03:08:25.6	+26:19:51	600	90	1.5	#182 Runaway B	4	
0177.COMP	10	09:00	03:08:25.6	+26:19:51	600	90	1.5	#182 Runaway B	4	
0178-0187.FLAT	15	09:04	04:30:00.0	+30:00:00	600	90	1.5	#182 Runaway B	4	
0188.02551249+0348322	270	09:12	02:55:12.5	+03:48:32	300	90	3.0	#141 Mapping t	2	300-line, 3-sec, combo

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0189.COMP	10	09:17	02:55:12.5	+03:48:32	300	90	3.0	#141 Mapping t	2	
0190.02595945+0322468	540	09:18	02:59:59.5	+03:22:47	300	90	3.0	#141 Mapping t	2	
0191.COMP	10	09:27	02:59:59.5	+03:22:47	300	90	3.0	#141 Mapping t	2	
0192.03034533+0143402	330	09:28	03:03:45.3	+01:43:40	300	90	3.0	#141 Mapping t	2	
0193.COMP	10	09:34	03:03:45.3	+01:43:40	300	90	3.0	#141 Mapping t	2	
0194.03032465+0645584	420	09:34	03:03:24.7	+06:45:58	300	90	3.0	#141 Mapping t	2	
0195.COMP	10	09:42	03:03:24.7	+06:45:58	300	90	3.0	#141 Mapping t	2	
0196.03044511+0747394	900	09:44	03:04:45.1	+07:47:39	300	90	3.0	#141 Mapping t	2	
0197.COMP	10	09:59	03:04:45.1	+07:47:39	300	90	3.0	#141 Mapping t	2	
0198.03055058+0208205	330	10:00	03:05:50.6	+02:08:20	300	90	3.0	#141 Mapping t	2	
0199.COMP	10	10:06	03:05:50.6	+02:08:20	300	90	3.0	#141 Mapping t	2	
0200.03053667+0459396	360	10:07	03:05:36.7	+04:59:40	300	90	3.0	#141 Mapping t	2	
0201.COMP	10	10:13	03:05:36.7	+04:59:40	300	90	3.0	#141 Mapping t	2	
0202.03072040+0423263	540	10:14	03:07:20.4	+04:23:26	300	90	3.0	#141 Mapping t	2	
0203.COMP	10	10:23	03:07:20.4	+04:23:26	300	90	3.0	#141 Mapping t	2	
0204.03565430+0013313	900	10:25	03:56:54.3	+00:13:31	300	90	3.0	#141 Mapping t	2	
0205.COMP	10	10:40	03:56:54.3	+00:13:31	300	90	3.0	#141 Mapping t	2	
0206.04162812+0041105	540	10:41	04:16:28.1	+00:41:11	300	90	3.0	#141 Mapping t	2	
0207.COMP	10	10:50	04:16:28.1	+00:41:11	300	90	3.0	#141 Mapping t	2	
0208.03580442+0541251	480	10:51	03:58:04.4	+05:41:25	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0209.COMP	10	11:00	03:58:04.4	+05:41:25	300	90	3.0	#141 Mapping t	2	
0210.04164146+1029254	480	11:01	04:16:41.5	+10:29:25	300	90	3.0	#141 Mapping t	2	
0211.COMP	10	11:09	04:16:41.5	+10:29:25	300	90	3.0	#141 Mapping t	2	
0212.04190146+0920006	420	11:10	04:19:01.5	+09:20:01	300	90	3.0	#141 Mapping t	2	
0213.COMP	10	11:17	04:19:01.5	+09:20:01	300	90	3.0	#141 Mapping t	2	
0214.04242403+0933116	480	11:18	04:24:24.0	+09:33:12	300	90	3.0	#141 Mapping t	2	
0215.COMP	10	11:26	04:24:24.0	+09:33:12	300	90	3.0	#141 Mapping t	2	
0216.04264369+0450571	360	11:28	04:26:43.7	+04:50:57	300	90	3.0	#141 Mapping t	2	
0217.COMP	10	11:34	04:26:43.7	+04:50:57	300	90	3.0	#141 Mapping t	2	
0218.04222666+1819323	900	11:35	04:22:26.7	+18:19:32	300	90	3.0	#141 Mapping t	2	
0219.COMP	10	11:51	04:22:26.7	+18:19:32	300	90	3.0	#141 Mapping t	2	
0220.04254504+1754162	900	11:51	04:25:45.0	+17:54:16	300	90	3.0	#141 Mapping t	2	gal ok, bright sky from not very nearby star
0221.COMP	10	12:07	04:25:45.0	+17:54:16	300	90	3.0	#141 Mapping t	2	
0222.04511970+1514459	720	12:08	04:51:19.7	+15:14:46	300	90	3.0	#141 Mapping t	2	
0223.COMP	10	12:20	04:51:19.7	+15:14:46	300	90	3.0	#141 Mapping t	2	
0224.N3227	180	12:24	10:23:30.6	+19:51:54	300	90	3.0	#185 NGC3227 M	2	
0225.N3227	180	12:27	10:23:30.6	+19:51:54	300	90	3.0	#185 NGC3227 M	2	
0226.COMP	10	12:30	10:23:30.6	+19:51:54	300	90	3.0	#185 NGC3227 M	2	
0227.N3226	180	12:31	10:23:27.0	+19:53:55	300	90	3.0	#185 NGC3227 M	2	
0228.COMP	10	12:35	10:23:27.0	+19:53:55	300	90	3.0	#185 NGC3227 M	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0229.N3377	150	12:36	10:47:42.4	+13:59:08	300	90	3.0	#57 Velocity S	2	
0230.COMP	10	12:39	10:47:42.4	+13:59:08	300	90	3.0	#57 Velocity S	2	
0231.Feige34	180	12:41	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0232.Feige34	180	12:44	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0233.COMP	10	12:47	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0234-0243.BIAS	0	12:51	10:39:36.7	+43:06:09	300	90	3.0	#141 Mapping t	2	
0244-0258.FLAT	7	12:56	10:39:36.7	+43:06:09	300	90	3.0	#141 Mapping t	2	
0259-0263.DARK	900	14:07	10:39:36.7	+43:06:09	300	90	3.0	#141 Mapping t	2	