

UT Date 2015-07-16 Observers P BerlindColl. Focus 1380 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.BIAS	0	21:30	09:38:28.5	+31:34:47	300	89	3.0	0 Calibration	2	
0004-0008.DARK	900	22:32	09:38:28.5	+31:34:47	300	89	3.0	0 Calibration	2	
0009-0013.DARK	900	23:49	09:38:28.5	+31:34:47	300	89	3.0	0 Calibration	4	
0014.COMP	10	01:57	09:38:28.5	+31:34:47	300	89	3.0	0 Calibration	2	
0015-0024.BIAS	0	02:00	09:38:28.5	+31:34:47	300	89	3.0	0 Calibration	2	
0025.FLAT	7	02:01	09:38:28.5	+31:34:47	300	89	3.0	0 Calibration	2	300-line, 3-sec
0026-0039.FLAT	7	02:06	09:38:28.5	+31:34:47	300	89	3.0	0 Calibration	2	
0040-0042.sky	4	02:41	14:40:00.0	+31:40:00	300	90	3.0	#57 Velocity S	2	
0043.COMP	10	02:42	14:40:00.0	+31:40:00	300	90	3.0	0 Calibration	2	
0044.test	10	03:10	15:20:00.0	+32:00:00	300	90	5.0	#223 NEOWISE N	2	
0045.FLAT	5	03:11	15:20:00.0	+32:00:00	300	90	5.0	0 Calibration	2	300-line, 5-sec, red 760, gg495
0046-0059.FLAT	5	03:15	15:20:00.0	+32:00:00	300	90	5.0	0 Calibration	2	
0060.HD117860	30	03:17	13:33:11.3	-08:26:36	300	90	5.0	#223 NEOWISE N	2	
0061.HD117860	15	03:19	13:33:11.3	-08:26:36	300	90	5.0	#223 NEOWISE N	2	
0062.HD117860	15	03:20	13:33:11.3	-08:26:36	300	90	5.0	#223 NEOWISE N	2	
0063.HD117860	15	03:20	13:33:11.3	-08:26:36	300	90	5.0	#223 NEOWISE N	2	
0064.COMP	10	03:20	13:33:11.3	-08:26:36	300	90	5.0	0 Calibration	2	
0065.HIP73815	30	03:22	15:05:13.2	+06:17:24	300	90	5.0	#223 NEOWISE N	2	
0066.HIP73815	30	03:23	15:05:13.2	+06:17:24	300	90	5.0	#223 NEOWISE N	2	
0067.HIP73815	30	03:24	15:05:13.2	+06:17:24	300	90	5.0	#223 NEOWISE N	2	

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0068.COMP	10	03:25	15:05:13.2	+06:17:24	300	90	5.0	0 Calibration	2	
0069.HD118598	30	03:26	13:38:13.7	-23:41:20	300	90	5.0	#223 NEOWISE N	2	
0070.HD118598	30	03:27	13:38:13.7	-23:41:20	300	90	5.0	#223 NEOWISE N	2	
0071.HD118598	30	03:27	13:38:13.7	-23:41:20	300	90	5.0	#223 NEOWISE N	2	
0072.COMP	10	03:28	13:38:13.7	-23:41:20	300	90	5.0	0 Calibration	2	
0073.c5186.1994AW1	720	03:30	14:21:30.5	-19:36:00	300	90	5.0	#223 NEOWISE N	2	
0074.c5186.1994AW1	720	03:43	14:21:30.5	-19:36:00	300	90	5.0	#223 NEOWISE N	2	
0075.c5186.1994AW1	303	03:55	14:21:30.5	-19:36:00	300	90	5.0	#223 NEOWISE N	2	
0076.COMP	10	04:00	14:21:30.5	-19:36:00	300	90	5.0	0 Calibration	2	
0077.HD117860	15	04:02	13:33:11.3	-08:26:36	300	90	5.0	#223 NEOWISE N	2	
0078.HD117860	15	04:02	13:33:11.3	-08:26:36	300	90	5.0	#223 NEOWISE N	2	
0079.HD117860	15	04:02	13:33:11.3	-08:26:36	300	90	5.0	#223 NEOWISE N	2	
0080.COMP	10	04:03	13:33:11.3	-08:26:36	300	90	5.0	0 Calibration	2	
0081.01036.Ganymed	300	04:04	14:35:43.7	+03:08:10	300	90	5.0	#223 NEOWISE N	2	
0082.01036.Ganymed	300	04:14	14:35:43.7	+03:08:10	300	90	5.0	#223 NEOWISE N	2	
0083.01036.Ganymed	300	04:20	14:35:43.7	+03:08:10	300	90	5.0	#223 NEOWISE N	2	
0084.01036.Ganymed	300	04:25	14:35:43.7	+03:08:10	300	90	5.0	#223 NEOWISE N	2	
0085.COMP	10	04:30	14:35:43.7	+03:08:10	300	90	5.0	0 Calibration	2	cloud delay
0086.HD138573	15	05:19	15:32:43.7	+10:58:06	300	90	5.0	#223 NEOWISE N	2	
0087.HD138573	15	05:19	15:32:43.7	+10:58:06	300	90	5.0	#223 NEOWISE N	2	

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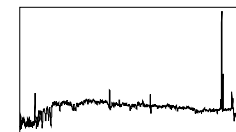
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.HD138573	15	05:20	15:32:43.7	+10:58:06	300	90	5.0	#223 NEOWISE N	2	
0089.COMP	10	05:21	15:32:43.7	+10:58:06	300	90	5.0	0 Calibration	2	
0090.242191.2003NZ6	1200	05:23	15:08:40.2	+52:31:45	300	90	5.0	#223 NEOWISE N	2	
0091.COMP	10	05:44	15:08:40.2	+52:31:45	300	90	5.0	0 Calibration	2	
0092.242191.2003NZ6	1200	05:44	15:08:40.2	+52:31:45	300	90	5.0	#223 NEOWISE N	2	
0093.COMP	10	06:05	15:08:40.2	+52:31:45	300	90	5.0	0 Calibration	2	
0094.242191.2003NZ6	1200	06:06	15:08:40.2	+52:31:45	300	90	5.0	#223 NEOWISE N	2	
0095.COMP	10	06:26	15:08:40.2	+52:31:45	300	90	5.0	0 Calibration	2	
0096.242191.2003NZ6	1200	06:27	15:08:40.2	+52:31:45	300	90	5.0	#223 NEOWISE N	2	
0097.COMP	10	06:47	15:08:40.2	+52:31:45	300	90	5.0	0 Calibration	2	
0098.HD144873	30	06:48	16:06:41.1	+34:06:02	300	90	5.0	#223 NEOWISE N	2	
0099.HD144873	30	06:49	16:06:41.1	+34:06:02	300	90	5.0	#223 NEOWISE N	2	
0100.HD144873	30	06:50	16:06:41.1	+34:06:02	300	90	5.0	#223 NEOWISE N	2	
0101.COMP	10	06:51	16:06:41.1	+34:06:02	300	90	5.0	0 Calibration	2	
0102.85989.1999JD6	420	06:53	21:25:05.1	+31:35:23	300	90	5.0	#223 NEOWISE N	2	
0103.85989.1999JD6	420	07:00	21:25:05.1	+31:35:23	300	90	5.0	#223 NEOWISE N	2	
0104.85989.1999JD6	420	07:08	21:25:05.1	+31:35:23	300	90	5.0	#223 NEOWISE N	2	
0105.85989.1999JD6	420	07:16	21:25:05.1	+31:35:23	300	90	5.0	#223 NEOWISE N	2	
0106.COMP	10	07:24	21:25:05.1	+31:35:23	300	90	5.0	0 Calibration	2	
0107.BDp404032	240	07:26	20:08:24.1	+41:15:04	300	90	5.0	#223 NEOWISE N	2	

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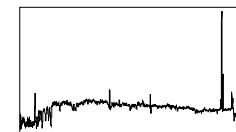
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.COMP	10	07:30	20:08:24.1	+41:15:04	300	90	5.0	0 Calibration	2	
0109.HD192281	30	07:31	20:12:33.1	+40:16:05	300	90	5.0	#223 NEOWISE N	2	
0110.HD192281	15	07:32	20:12:33.1	+40:16:05	300	90	5.0	#223 NEOWISE N	2	
0111.COMP	10	07:33	20:12:33.1	+40:16:05	300	90	5.0	0 Calibration	2	
0112.4183.Cuno	1200	07:35	21:19:45.7	-12:57:49	300	90	5.0	#223 NEOWISE N	2	
0113.COMP	10	07:56	21:19:45.7	-12:57:49	300	90	5.0	0 Calibration	2	
0114.4183.Cuno	1200	07:56	21:19:45.7	-12:57:49	300	90	5.0	#223 NEOWISE N	2	
0115.COMP	10	08:17	21:19:45.7	-12:57:49	300	90	5.0	0 Calibration	2	
0116.4183.Cuno	1200	08:17	21:19:45.7	-12:57:49	300	90	5.0	#223 NEOWISE N	2	
0117.COMP	10	08:38	21:19:45.7	-12:57:49	300	90	5.0	0 Calibration	2	
0118.4183.Cuno	1200	08:39	21:19:45.7	-12:57:49	300	90	5.0	#223 NEOWISE N	2	
0119.COMP	10	08:59	21:19:45.7	-12:57:49	300	90	5.0	0 Calibration	2	
0120.HD219018	25	09:01	23:12:38.6	+02:41:10	300	90	5.0	#223 NEOWISE N	2	
0121.HD219018	25	09:02	23:12:38.6	+02:41:10	300	90	5.0	#223 NEOWISE N	2	
0122.HD219018	25	09:02	23:12:38.6	+02:41:10	300	90	5.0	#223 NEOWISE N	2	
0123.COMP	10	09:03	23:12:38.6	+02:41:10	300	90	5.0	0 Calibration	2	
0124.BDp174708	150	09:04	22:11:31.4	+18:05:34	300	90	5.0	#223 NEOWISE N	2	
0125.COMP	10	09:07	22:11:31.4	+18:05:34	300	90	5.0	0 Calibration	2	
0126.HD159222	10	09:09	17:32:00.9	+34:16:16	300	90	5.0	#223 NEOWISE N	2	
0127.HD159222	10	09:10	17:32:00.9	+34:16:16	300	90	5.0	#223 NEOWISE N	2	

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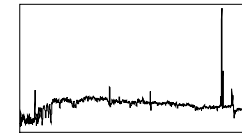
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0128.HD159222	10	09:10	17:32:00.9	+34:16:16	300	90	5.0	#223 NEOWISE N	2	
0129.COMP	10	09:11	17:32:00.9	+34:16:16	300	90	5.0	0 Calibration	2	
0130.FLAT	5	09:11	17:32:00.9	+34:16:16	300	90	5.0	0 Calibration	2	extra flats for fringes
0131-0139.FLAT	5	09:14	17:32:00.9	+34:16:16	300	90	5.0	0 Calibration	2	
0140.test	10	09:16	22:00:00.0	+32:00:00	300	90	3.0	#223 NEOWISE N	2	
0141.BDp174708	120	09:19	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0142.COMP	10	09:21	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0143.AGPeg	2	09:22	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0144.AGPeg	10	09:23	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0145.AGPeg	10	09:23	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0146.AGPeg	1	09:24	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0147.AGPeg	0	09:24	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0148.COMP	10	09:25	21:51:02.0	+12:37:33	300	90	3.0	0 Calibration	2	
0149.ZAnd	15	09:26	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0150.ZAnd	5	09:27	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0151.ZAnd	90	09:27	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0152.COMP	10	09:29	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0153.EGAnd	5	09:31	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0154.EGAnd	10	09:31	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0155.EGAnd	30	09:32	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	

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0156.COMP	10	09:32	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0157.V1057Cyg	420	09:34	20:58:54.0	+44:15:30	300	90	3.0	#12 Symbiotic	2	
0158.COMP	10	09:42	20:58:54.0	+44:15:30	300	90	3.0	0 Calibration	2	
0159.V1329Cyg	600	09:45	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0160.V1329Cyg	60	09:55	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0161.COMP	10	09:57	20:51:01.0	+35:34:55	300	90	3.0	0 Calibration	2	
0162.BDp284211	150	09:58	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0163.COMP	10	10:01	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0164.V1515Cyg	720	10:03	20:23:48.0	+42:12:24	300	90	3.0	#12 Symbiotic	2	
0165.COMP	10	10:15	20:23:48.0	+42:12:24	300	90	3.0	0 Calibration	2	
0166.PUVu1	10	10:18	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0167.PUVu1	60	10:18	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0168.PUVu1	300	10:20	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0169.COMP	10	10:25	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0170.AXPer	10	10:27	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0171.AXPer	60	10:28	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0172.AXPer	180	10:29	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0173.COMP	10	10:32	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0174.RAqr	2	10:36	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0175.RAqr	4	10:37	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	

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0176.RAqr	12	10:37	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0177.RAqr	24	10:38	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0178.COMP	10	10:39	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0179.HMSge	10	10:42	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0180.HMSge	30	10:43	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0181.HMSge	300	10:44	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0182.COMP	10	10:50	19:41:57.0	+16:44:41	300	90	3.0	0 Calibration	2	
0183.AS360	60	10:51	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0184.AS360	600	10:53	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0185.COMP	10	11:03	19:45:49.0	+18:36:49	300	90	3.0	0 Calibration	2	
0186.CICyg	5	11:05	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0187.CICyg	20	11:05	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0188.CICyg	120	11:06	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0189.COMP	10	11:08	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0190.N7331	240	11:10	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0191.COMP	10	11:15	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	
0192-0201.BIAS	0	11:20	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	
0202.FLAT	7	11:21	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	300-line, 3-sec
0203-0216.FLAT	7	11:26	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	
0217-0221.DARK	1200	12:49	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	

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comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	