INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   1998 AUG 23/24
INT TAPE NR:            INTD 3761-3762
OBSERVER:               G. Dalton, J. Booth, E. Gaztanaga
PROGRAMME:              Oxford WFC Survey
PATT/CAT:               WFS 16
TELESCOPE OPERATOR:     M. Asif
SUPPORT ASTRONOMER:     -

FOCUS:                  Prime
INSTRUMENT:             WFC
FILTER WHEEL (PF):      U,Z,V,B(KP),R,I
CAMERA (IDS):           -
COLLIMATOR (IDS):       -
COLL. FOCUS (IDS):      -
GRATING (IDS):          -
DETECTOR:               WFC
PIXELS:                 4x2048x4200
PIXEL SIZE (microns): 13.5
WINDOW:                 Xstart=0, Xsize=2048, Ystart=0, Ysize=4200
BINNING:                in X=1, in Y=1

WEATHER:                GOOD,WINDY
OUTSIDE TEMP (deg C):   13.8            (FIRST HALF)
OUTSIDE TEMP (deg C):   13.1            (SECOND HALF)
HUMIDITY (%):           6               (FIRST HALF)
HUMIDITY (%):           5              (SECOND HALF)
CLOUD COVER (%):        10              (FIRST HALF)
CLOUD COVER (%):         0              (SECOND HALF)
DUST (0 - 2):            1              (FIRST HALF)
DUST (0 - 2):            1              (SECOND HALF)
SEEING (arcsec):         1.2            (FIRST HALF)
SEEING (arcsec):         1.2            (SECOND HALF)
AV. SEEING (arcsec):     1.2
NO. SEEING MEASURES:     0

UTC    TELESCOPE                CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TubeTemp  Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:             08:16
DOME OPEN (UTC):        19:30
MOON PHASE (D/G/B):      D
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:30
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 01:00
DK HRS LOST (DET.):   00:00
DK HRS LOST (COMPS.): 00:15
DK HRS LOST (A&G):    01:00
DK HRS LOST (OTHER):  00:00

COMMENTS:
1hr lost to autoguider probs. 30m lost to Telescope probs, 1hr lost to rotator
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Run no. Object name             RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments
 117179 Bias frame                                                    16:04:48.5      0.0  Unknown    Unknown    1      1 x 1
 117180 Bias frame                                                    16:04:48.5      0.0  Unknown    Unknown    5      1 x 1
 117181 Bias frame                                                    16:04:48.5      0.0  Unknown    Unknown    3      1 x 1
 117182 Bias frame                                                    16:04:48.5      0.0  Unknown    Unknown    4      1 x 1
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117183	Bias frame					16:10:44.4	0.0	Unknown	Unknown	1	1 x 1
117184	Bias frame					16:10:44.4	0.0	Unknown	Unknown	5	1 x 1
117185	Bias frame					16:10:44.4	0.0	Unknown	Unknown	3	1 x 1
117186	Bias frame					16:10:44.4	0.0	Unknown	Unknown	4	1 x 1
117187	Bias frame					16:13:21.5	0.0	Unknown	Unknown	1	1 x 1
117188	Bias frame					16:13:21.5	0.0	Unknown	Unknown	5	1 x 1
117189	Bias frame					16:13:21.5	0.0	Unknown	Unknown	3	1 x 1
117190	Bias frame					16:13:21.5	0.0	Unknown	Unknown	4	1 x 1
117191	Bias frame					16:16:03.2	0.0	Unknown	Unknown	1	1 x 1
117192	Bias frame					16:16:03.2	0.0	Unknown	Unknown	5	1 x 1
117193	Bias frame					16:16:03.2	0.0	Unknown	Unknown	3	1 x 1
117194	Bias frame					16:16:03.2	0.0	Unknown	Unknown	4	1 x 1
117195	Bias frame					16:18:41.2	0.0	Unknown	Unknown	1	1 x 1
117196	Bias frame					16:18:41.2	0.0	Unknown	Unknown	5	1 x 1
117197	Bias frame					16:18:41.2	0.0	Unknown	Unknown	3	1 x 1
117198	Bias frame					16:18:41.2	0.0	Unknown	Unknown	4	1 x 1
117199	Bias frame					16:21:19.4	0.0	Unknown	Unknown	1	1 x 1
117200	Bias frame					16:21:19.4	0.0	Unknown	Unknown	5	1 x 1
117201	Bias frame					16:21:19.4	0.0	Unknown	Unknown	3	1 x 1
117202	Bias frame					16:21:19.4	0.0	Unknown	Unknown	4	1 x 1
117203	Bias frame					16:23:57.4	0.0	Unknown	Unknown	1	1 x 1
117204	Bias frame					16:23:57.4	0.0	Unknown	Unknown	5	1 x 1
117205	Bias frame					16:23:57.4	0.0	Unknown	Unknown	3	1 x 1
117206	Bias frame					16:23:57.4	0.0	Unknown	Unknown	4	1 x 1
117207	Bias frame					16:26:36.7	0.0	Unknown	Unknown	1	1 x 1
117208	Bias frame					16:26:36.7	0.0	Unknown	Unknown	5	1 x 1
117209	Bias frame					16:26:36.7	0.0	Unknown	Unknown	3	1 x 1
117210	Bias frame					16:26:36.7	0.0	Unknown	Unknown	4	1 x 1
117211	Bias frame					16:29:14.9	0.0	Unknown	Unknown	1	1 x 1
117212	Bias frame					16:29:14.9	0.0	Unknown	Unknown	5	1 x 1
117213	Bias frame					16:29:14.9	0.0	Unknown	Unknown	3	1 x 1
117214	Bias frame					16:29:14.9	0.0	Unknown	Unknown	4	1 x 1
117215	Bias frame					16:31:54.0	0.0	Unknown	Unknown	1	1 x 1
117216	Bias frame					16:31:54.0	0.0	Unknown	Unknown	5	1 x 1
117217	Bias frame					16:31:54.0	0.0	Unknown	Unknown	3	1 x 1
117218	Bias frame					16:31:54.0	0.0	Unknown	Unknown	4	1 x 1
117219	Dark frame					16:37:46.9	1200.0	Unknown	Unknown	1	1 x 1
117220	Dark frame					16:37:46.9	1200.0	Unknown	Unknown	5	1 x 1
117221	Dark frame					16:37:46.9	1200.0	Unknown	Unknown	3	1 x 1
117222	Dark frame					16:37:46.9	1200.0	Unknown	Unknown	4	1 x 1
117223	Dark frame					17:00:22.7	1200.0	Unknown	Unknown	1	1 x 1
117224	Dark frame					17:00:22.7	1200.0	Unknown	Unknown	5	1 x 1
117225	Dark frame					17:00:22.7	1200.0	Unknown	Unknown	3	1 x 1
117226	Dark frame					17:00:22.7	1200.0	Unknown	Unknown	4	1 x 1
117227	Dark frame					17:22:58.8	1200.0	Unknown	Unknown	1	1 x 1
117228	Dark frame					17:22:58.8	1200.0	Unknown	Unknown	5	1 x 1
117229	Dark frame					17:22:58.8	1200.0	Unknown	Unknown	3	1 x 1
117230	Dark frame					17:22:58.8	1200.0	Unknown	Unknown	4	1 x 1
117231	Dark frame					17:45:38.8	1200.0	Unknown	Unknown	1	1 x 1
117232	Dark frame					17:45:38.8	1200.0	Unknown	Unknown	5	1 x 1
117233	Dark frame					17:45:38.8	1200.0	Unknown	Unknown	3	1 x 1
117234	Dark frame					17:45:38.8	1200.0	Unknown	Unknown	4	1 x 1
117235	Dark frame					18:08:14.4	1200.0	Unknown	Unknown	1	1 x 1
117236	Dark frame					18:08:14.4	1200.0	Unknown	Unknown	5	1 x 1
117237	Dark frame					18:08:14.4	1200.0	Unknown	Unknown	3	1 x 1
117238	Dark frame					18:08:14.4	1200.0	Unknown	Unknown	4	1 x 1
117239	Dark frame					18:30:50.3	1200.0	Unknown	Unknown	1	1 x 1
117240	Dark frame					18:30:50.3	1200.0	Unknown	Unknown	5	1 x 1
117241	Dark frame					18:30:50.3	1200.0	Unknown	Unknown	3	1 x 1
117242	Dark frame					18:30:50.3	1200.0	Unknown	Unknown	4	1 x 1
117243	test	13:04:33.00	+29:50:49.0	B1950.00	1.460 179.7	19:47:19.3	2.0	U	RGO	1	1 x 1
117244	test	13:04:33.00	+29:50:49.0	B1950.00	1.460 179.7	19:47:19.3	2.0	U	RGO	5	1 x 1

117245	test	13:04:33.00	+29:50:49.0	B1950.00	1.460	179.7	19:47:19.3	2.0	U	RGO	3	1 x 1
117246	test	13:04:33.00	+29:50:49.0	B1950.00	1.460	179.7	19:47:19.3	2.0	U	RGO	4	1 x 1
117247	UFlat	13:04:32.99	+29:50:49.0	B1950.00	1.534	179.7	19:59:18.8	2.0	U	RGO	1	1 x 1
117248	UFlat	13:04:32.99	+29:50:49.0	B1950.00	1.534	179.7	19:59:18.8	2.0	U	RGO	5	1 x 1
117249	UFlat	13:04:32.99	+29:50:49.0	B1950.00	1.534	179.7	19:59:18.8	2.0	U	RGO	3	1 x 1
117250	UFlat	13:04:32.99	+29:50:49.0	B1950.00	1.534	179.7	19:59:18.8	2.0	U	RGO	4	1 x 1
117251	UFlat	13:04:32.99	+29:50:48.9	B1950.00	1.561	179.7	20:03:20.8	5.1	U	RGO	1	1 x 1
117252	UFlat	13:04:32.99	+29:50:48.9	B1950.00	1.561	179.7	20:03:20.8	5.1	U	RGO	5	1 x 1
117253	UFlat	13:04:32.99	+29:50:48.9	B1950.00	1.561	179.7	20:03:20.8	5.1	U	RGO	3	1 x 1
117254	UFlat	13:04:32.99	+29:50:48.9	B1950.00	1.561	179.7	20:03:20.8	5.1	U	RGO	4	1 x 1
117255	UFlat	13:04:32.23	+29:50:39.0	B1950.00	1.583	179.7	20:06:25.9	9.7	U	RGO	1	1 x 1
117256	UFlat	13:04:32.23	+29:50:39.0	B1950.00	1.583	179.7	20:06:25.9	9.7	U	RGO	5	1 x 1
117257	UFlat	13:04:32.23	+29:50:39.0	B1950.00	1.583	179.7	20:06:25.9	9.7	U	RGO	3	1 x 1
117258	UFlat	13:04:32.23	+29:50:39.0	B1950.00	1.583	179.7	20:06:25.9	9.7	U	RGO	4	1 x 1
117259	UFlat	13:04:32.23	+29:50:38.9	B1950.00	1.611	179.7	20:10:14.4	18.1	U	RGO	1	1 x 1
117260	UFlat	13:04:32.23	+29:50:38.9	B1950.00	1.611	179.7	20:10:14.4	18.1	U	RGO	5	1 x 1
117261	UFlat	13:04:32.23	+29:50:38.9	B1950.00	1.611	179.7	20:10:14.4	18.1	U	RGO	3	1 x 1
117262	UFlat	13:04:32.23	+29:50:38.9	B1950.00	1.611	179.7	20:10:14.4	18.1	U	RGO	4	1 x 1
117263	BFlat	13:04:34.53	+29:51:09.0	B1950.00	1.635	179.7	20:13:30.8	2.1	B		1	1 x 1
117264	BFlat	13:04:34.53	+29:51:09.0	B1950.00	1.635	179.7	20:13:30.8	2.1	B		5	1 x 1
117265	BFlat	13:04:34.53	+29:51:09.0	B1950.00	1.635	179.7	20:13:30.8	2.1	B		3	1 x 1
117266	BFlat	13:04:34.53	+29:51:09.0	B1950.00	1.635	179.7	20:13:30.8	2.1	B		4	1 x 1
117267	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.661	179.7	20:16:40.5	10.1	B		1	1 x 1
117268	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.661	179.7	20:16:40.5	10.1	B		5	1 x 1
117269	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.661	179.7	20:16:40.5	10.1	B		3	1 x 1
117270	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.661	179.7	20:16:40.5	10.1	B		4	1 x 1
117271	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.687	179.7	20:19:41.8	24.1	B		1	1 x 1
117272	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.687	179.7	20:19:41.8	24.1	B		5	1 x 1
117273	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.687	179.7	20:19:41.8	24.1	B		3	1 x 1
117274	BFlat	0:00:00.00	+00:00:00.0	B1950.00	1.687	179.7	20:19:41.8	24.1	B		4	1 x 1
117275	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.715	179.7	20:23:03.4	24.7	V	Harris	1	1 x 1
117276	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.715	179.7	20:23:03.4	24.7	V	Harris	5	1 x 1
117277	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.715	179.7	20:23:03.4	24.7	V	Harris	3	1 x 1
117278	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.715	179.7	20:23:03.4	24.7	V	Harris	4	1 x 1
117279	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.746	179.7	20:26:19.6	49.6	V	Harris	1	1 x 1
117280	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.746	179.7	20:26:19.6	49.6	V	Harris	5	1 x 1
117281	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.746	179.7	20:26:19.6	49.6	V	Harris	3	1 x 1
117282	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.746	179.7	20:26:19.6	49.6	V	Harris	4	1 x 1
117283	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.790	179.7	20:29:58.4	164.9	V	Harris	1	1 x 1
117284	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.790	179.7	20:29:58.4	164.9	V	Harris	5	1 x 1
117285	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.790	179.7	20:29:58.4	164.9	V	Harris	3	1 x 1
117286	VFlat	0:00:00.00	+00:00:00.0	B1950.00	1.790	179.7	20:29:58.4	164.9	V	Harris	4	1 x 1
117287	RFlat	0:00:00.00	+00:00:00.0	B1950.00	1.839	179.7	20:35:49.1	60.0	R	Harris	1	1 x 1
117288	RFlat	0:00:00.00	+00:00:00.0	B1950.00	1.839	179.7	20:35:49.1	60.0	R	Harris	5	1 x 1
117289	RFlat	0:00:00.00	+00:00:00.0	B1950.00	1.839	179.7	20:35:49.1	60.0	R	Harris	3	1 x 1
117290	RFlat	0:00:00.00	+00:00:00.0	B1950.00	1.839	179.7	20:35:49.1	60.0	R	Harris	4	1 x 1
117291	Focus run	18:42:44.99	+00:09:49.0	J2000.00	1.175	179.7	20:50:37.8	5.1	R	Harris	1	1 x 1
117292	Focus run	18:42:44.99	+00:09:49.0	J2000.00	1.175	179.7	20:50:37.8	5.1	R	Harris	5	1 x 1
117293	Focus run	18:42:44.99	+00:09:49.0	J2000.00	1.175	179.7	20:50:37.8	5.1	R	Harris	3	1 x 1
117294		18:42:44.99	+00:09:49.0	J2000.00	1.175	179.7	20:50:37.8	5.1	R	Harris	4	1 x 1
117295	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.165	179.7	20:57:07.4	20.1	U	RGO	1	1 x 1
117296	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.165	179.7	20:57:07.4	20.1	U	RGO	5	1 x 1
117297	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.165	179.7	20:57:07.4	20.1	U	RGO	3	1 x 1
117298	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.165	179.7	20:57:07.4	20.1	U	RGO	4	1 x 1
117299	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.162	179.7	21:00:33.5	20.1	B		1	1 x 1
117300	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.162	179.7	21:00:33.5	20.1	B		5	1 x 1
117301	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.162	179.7	21:00:33.5	20.1	B		3	1 x 1
117302	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.162	179.7	21:00:33.5	20.1	B		4	1 x 1
117303	110-361V	18:42:45.00	+00:08:04.0	J2000.00	1.159	179.7	21:03:36.9	10.1	V	Harris	1	1 x 1
117304	110-361V	18:42:45.00	+00:08:04.0	J2000.00	1.159	179.7	21:03:36.9	10.1	V	Harris	5	1 x 1
117305	110-361V	18:42:45.00	+00:08:04.0	J2000.00	1.159	179.7	21:03:36.9	10.1	V	Harris	3	1 x 1
117306	110-361V	18:42:45.00	+00:08:04.0	J2000.00	1.159	179.7	21:03:36.9	10.1	V	Harris	4	1 x 1

117307	110-361R	18:42:45.00	+00:08:04.0	J2000.00	1.156	179.7	21:06:27.6	9.1	R	Harris	1	1 x 1
117308	110-361R	18:42:45.00	+00:08:04.0	J2000.00	1.156	179.7	21:06:27.6	9.1	R	Harris	5	1 x 1
117309	110-361R	18:42:45.00	+00:08:04.0	J2000.00	1.156	179.7	21:06:27.6	9.1	R	Harris	3	1 x 1
117310	110-361R	18:42:45.00	+00:08:04.0	J2000.00	1.156	179.7	21:06:27.6	9.1	R	Harris	4	1 x 1
117311	J013V	16:34:23.57	+46:35:33.2	J2000.00	1.122	179.7	21:13:17.9	999.0	V	Harris	1	1 x 1
117312	J013V	16:34:23.57	+46:35:33.2	J2000.00	1.122	179.7	21:13:17.9	999.0	V	Harris	5	1 x 1
117313	J013V	16:34:23.57	+46:35:33.2	J2000.00	1.122	179.7	21:13:17.9	999.0	V	Harris	3	1 x 1
117314	J013V	16:34:23.57	+46:35:33.2	J2000.00	1.122	179.7	21:13:17.9	999.0	V	Harris	4	1 x 1
117319	J013V	16:34:23.57	+46:35:33.3	J2000.00	1.164	179.7	21:38:45.4	999.1	V	Harris	1	1 x 1
117320	J013V	16:34:23.57	+46:35:33.3	J2000.00	1.164	179.7	21:38:45.4	999.1	V	Harris	5	1 x 1
117321	J013V	16:34:23.57	+46:35:33.3	J2000.00	1.164	179.7	21:38:45.4	999.1	V	Harris	3	1 x 1
117322	J013V	16:34:23.57	+46:35:33.3	J2000.00	1.164	179.7	21:38:45.4	999.1	V	Harris	4	1 x 1
117323	J013V	16:34:23.57	+46:35:33.4	J2000.00	1.205	179.7	21:58:09.6	999.1	V	Harris	1	1 x 1
117324	J013V	16:34:23.57	+46:35:33.4	J2000.00	1.205	179.7	21:58:09.6	999.1	V	Harris	5	1 x 1
117325	J013V	16:34:23.57	+46:35:33.4	J2000.00	1.205	179.7	21:58:09.6	999.1	V	Harris	3	1 x 1
117326	J013V	16:34:23.57	+46:35:33.4	J2000.00	1.205	179.7	21:58:09.6	999.1	V	Harris	4	1 x 1
117327	J012 V	16:31:17.89	+46:25:12.2	J2000.00	1.311	179.7	22:33:29.0	999.0	V	Harris	1	1 x 1
117328	J012 V	16:31:17.89	+46:25:12.2	J2000.00	1.311	179.7	22:33:29.0	999.0	V	Harris	5	1 x 1
117329	J012 V	16:31:17.89	+46:25:12.2	J2000.00	1.311	179.7	22:33:29.0	999.0	V	Harris	3	1 x 1
117330	J012 V	16:31:17.89	+46:25:12.2	J2000.00	1.311	179.7	22:33:29.0	999.0	V	Harris	4	1 x 1
117331	J012 V	16:31:17.88	+46:25:12.1	J2000.00	1.382	179.7	22:52:57.8	998.9	V	Harris	1	1 x 1
117332	J012 V	16:31:17.88	+46:25:12.1	J2000.00	1.382	179.7	22:52:57.8	998.9	V	Harris	5	1 x 1
117333	J012 V	16:31:17.88	+46:25:12.1	J2000.00	1.382	179.7	22:52:57.8	998.9	V	Harris	3	1 x 1
117334	J012 V	16:31:17.88	+46:25:12.1	J2000.00	1.382	179.7	22:52:57.8	998.9	V	Harris	4	1 x 1
117335	J012 V	16:31:17.89	+46:25:12.1	J2000.00	1.471	179.7	23:13:25.2	999.1	V	Harris	1	1 x 1
117336	J012 V	16:31:17.89	+46:25:12.1	J2000.00	1.471	179.7	23:13:25.2	999.1	V	Harris	5	1 x 1
117337	J012 V	16:31:17.89	+46:25:12.1	J2000.00	1.471	179.7	23:13:25.2	999.1	V	Harris	3	1 x 1
117338	J012 V	16:31:17.89	+46:25:12.1	J2000.00	1.471	179.7	23:13:25.2	999.1	V	Harris	4	1 x 1
117344	110-361V	18:42:45.00	+00:08:03.8	J2000.00	1.344	179.7	23:54:31.6	10.1	V	Harris	1	1 x 1
117345	110-361V	18:42:45.00	+00:08:03.8	J2000.00	1.344	179.7	23:54:31.6	10.1	V	Harris	5	1 x 1
117346	110-361V	18:42:45.00	+00:08:03.8	J2000.00	1.344	179.7	23:54:31.6	10.1	V	Harris	3	1 x 1
117347	110-361V	18:42:45.00	+00:08:03.8	J2000.00	1.344	179.7	23:54:31.6	10.1	V	Harris	4	1 x 1
117348	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.357	179.7	23:57:48.5	9.6	B		1	1 x 1
117349	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.357	179.7	23:57:48.5	9.6	B		5	1 x 1
117350	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.357	179.7	23:57:48.5	9.6	B		3	1 x 1
117351	110-361B	18:42:45.00	+00:08:04.0	J2000.00	1.357	179.7	23:57:48.5	9.6	B		4	1 x 1
117352	110-361R	18:42:45.00	+00:08:03.8	J2000.00	1.369	179.7	00:00:53.8	10.1	R	Harris	1	1 x 1
117353	110-361R	18:42:45.00	+00:08:03.8	J2000.00	1.369	179.7	00:00:53.8	10.1	R	Harris	5	1 x 1
117354	110-361R	18:42:45.00	+00:08:03.8	J2000.00	1.369	179.7	00:00:53.8	10.1	R	Harris	3	1 x 1
117355	110-361R	18:42:45.00	+00:08:03.8	J2000.00	1.369	179.7	00:00:53.8	10.1	R	Harris	4	1 x 1
117356	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.381	179.7	00:03:47.3	20.1	U	RGO	1	1 x 1
117357	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.381	179.7	00:03:47.3	20.1	U	RGO	5	1 x 1
117358	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.381	179.7	00:03:47.3	20.1	U	RGO	3	1 x 1
117359	110-361U	18:42:45.00	+00:08:04.0	J2000.00	1.381	179.7	00:03:47.3	20.1	U	RGO	4	1 x 1
117360	92-425U	0:55:59.00	+00:52:57.9	J2000.00	2.097	179.7	00:08:01.4	20.1	U	RGO	1	1 x 1
117361	92-425U	0:55:59.00	+00:52:57.9	J2000.00	2.097	179.7	00:08:01.4	20.1	U	RGO	5	1 x 1
117362	92-425U	0:55:59.00	+00:52:57.9	J2000.00	2.097	179.7	00:08:01.4	20.1	U	RGO	3	1 x 1
117363	92-425U	0:55:59.00	+00:52:57.9	J2000.00	2.097	179.7	00:08:01.4	20.1	U	RGO	4	1 x 1
117364	92-425B	0:55:58.99	+00:52:57.9	J2000.00	2.054	179.7	00:11:09.7	10.1	B		1	1 x 1
117365	92-425B	0:55:58.99	+00:52:57.9	J2000.00	2.054	179.7	00:11:09.7	10.1	B		5	1 x 1
117366	92-425B	0:55:58.99	+00:52:57.9	J2000.00	2.054	179.7	00:11:09.7	10.1	B		3	1 x 1
117367	92-425B	0:55:58.99	+00:52:57.9	J2000.00	2.054	179.7	00:11:09.7	10.1	B		4	1 x 1
117368	92-425V	0:55:59.00	+00:52:57.9	J2000.00	2.015	179.7	00:14:09.2	10.1	V	Harris	1	1 x 1
117369	92-425V	0:55:59.00	+00:52:57.9	J2000.00	2.015	179.7	00:14:09.2	10.1	V	Harris	5	1 x 1
117370	92-425V	0:55:59.00	+00:52:57.9	J2000.00	2.015	179.7	00:14:09.2	10.1	V	Harris	3	1 x 1
117371	92-425V	0:55:59.00	+00:52:57.9	J2000.00	2.015	179.7	00:14:09.2	10.1	V	Harris	4	1 x 1
117372	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.978	179.7	00:17:05.3	10.1	R	Harris	1	1 x 1
117373	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.978	179.7	00:17:05.3	10.1	R	Harris	5	1 x 1
117374	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.978	179.7	00:17:05.3	10.1	R	Harris	3	1 x 1
117375	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.978	179.7	00:17:05.3	10.1	R	Harris	4	1 x 1
117376	I016B	0:18:38.88	+36:02:16.3	J2000.00	1.249	179.7	00:21:40.6	898.5	B		1	1 x 1
117377	I016B	0:18:38.88	+36:02:16.3	J2000.00	1.249	179.7	00:21:40.6	898.5	B		5	1 x 1

117378	I016B	0:18:38.88	+36:02:16.3	J2000.00	1.249	179.7	00:21:40.6	898.5	B		3	1 x 1
117379	I016B	0:18:38.88	+36:02:16.3	J2000.00	1.249	179.7	00:21:40.6	898.5	B		4	1 x 1
117380	I016B	0:18:38.87	+36:02:16.3	J2000.00	1.195	179.7	00:39:25.5	898.7	B		1	1 x 1
117381	I016B	0:18:38.87	+36:02:16.3	J2000.00	1.195	179.7	00:39:25.5	898.7	B		5	1 x 1
117382	I016B	0:18:38.87	+36:02:16.3	J2000.00	1.195	179.7	00:39:25.5	898.7	B		3	1 x 1
117383	I016B	0:18:38.87	+36:02:16.3	J2000.00	1.195	179.7	00:39:25.5	898.7	B		4	1 x 1
117384	I016V V	0:18:38.88	+36:02:16.3	J2000.00	1.147	179.7	00:57:56.5	998.6	V	Harris	1	1 x 1
117385	I016V V	0:18:38.88	+36:02:16.3	J2000.00	1.147	179.7	00:57:56.5	998.6	V	Harris	5	1 x 1
117386	I016V V	0:18:38.88	+36:02:16.3	J2000.00	1.147	179.7	00:57:56.5	998.6	V	Harris	3	1 x 1
117387	I016V V	0:18:38.88	+36:02:16.3	J2000.00	1.147	179.7	00:57:56.5	998.6	V	Harris	4	1 x 1
117388	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.107	179.7	01:17:24.1	998.9	V	Harris	1	1 x 1
117389	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.107	179.7	01:17:24.1	998.9	V	Harris	5	1 x 1
117390	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.107	179.7	01:17:24.1	998.9	V	Harris	3	1 x 1
117391	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.107	179.7	01:17:24.1	998.9	V	Harris	4	1 x 1
117392	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.075	179.7	01:37:00.6	999.0	V	Harris	1	1 x 1
117393	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.075	179.7	01:37:00.6	999.0	V	Harris	5	1 x 1
117394	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.075	179.7	01:37:00.6	999.0	V	Harris	3	1 x 1
117395	I016V V	0:18:38.88	+36:02:16.6	J2000.00	1.075	179.7	01:37:00.6	999.0	V	Harris	4	1 x 1
117396	I016B	0:18:38.88	+36:02:16.4	J2000.00	1.049	179.7	01:57:46.6	898.5	B		1	1 x 1
117397	I016B	0:18:38.88	+36:02:16.4	J2000.00	1.049	179.7	01:57:46.6	898.5	B		5	1 x 1
117398	I016B	0:18:38.88	+36:02:16.4	J2000.00	1.049	179.7	01:57:46.6	898.5	B		3	1 x 1
117399	I016B	0:18:38.88	+36:02:16.4	J2000.00	1.049	179.7	01:57:46.6	898.5	B		4	1 x 1
117400	92-425U	0:55:59.00	+00:52:57.9	J2000.00	1.254	179.7	02:15:35.8	20.1	U	RGO	1	1 x 1
117401	92-425U	0:55:59.00	+00:52:57.9	J2000.00	1.254	179.7	02:15:35.8	20.1	U	RGO	5	1 x 1
117402	92-425U	0:55:59.00	+00:52:57.9	J2000.00	1.254	179.7	02:15:35.8	20.1	U	RGO	3	1 x 1
117403	92-425U	0:55:59.00	+00:52:57.9	J2000.00	1.254	179.7	02:15:35.8	20.1	U	RGO	4	1 x 1
117404	92-425B	0:55:59.00	+00:52:57.9	J2000.00	1.246	179.7	02:18:51.5	10.1	B		1	1 x 1
117405	92-425B	0:55:59.00	+00:52:57.9	J2000.00	1.246	179.7	02:18:51.5	10.1	B		5	1 x 1
117406	92-425B	0:55:59.00	+00:52:57.9	J2000.00	1.246	179.7	02:18:51.5	10.1	B		3	1 x 1
117407	92-425B	0:55:59.00	+00:52:57.9	J2000.00	1.246	179.7	02:18:51.5	10.1	B		4	1 x 1
117408	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.237	179.7	02:22:31.6	8.5	V	Harris	1	1 x 1
117409	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.237	179.7	02:22:31.6	8.5	V	Harris	5	1 x 1
117410	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.237	179.7	02:22:31.6	8.5	V	Harris	3	1 x 1
117411	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.237	179.7	02:22:31.6	8.5	V	Harris	4	1 x 1
117412	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.230	179.7	02:25:27.9	10.1	R	Harris	1	1 x 1
117413	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.230	179.7	02:25:27.9	10.1	R	Harris	5	1 x 1
117414	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.230	179.7	02:25:27.9	10.1	R	Harris	3	1 x 1
117415	92-425R	0:55:59.00	+00:52:57.9	J2000.00	1.230	179.7	02:25:27.9	10.1	R	Harris	4	1 x 1
117416	I013V V	0:13:23.33	+35:41:33.5	J2000.00	1.017	179.7	02:31:04.3	999.0	V	Harris	1	1 x 1
117417	I013V V	0:13:23.33	+35:41:33.5	J2000.00	1.017	179.7	02:31:04.3	999.0	V	Harris	5	1 x 1
117418	I013V V	0:13:23.33	+35:41:33.5	J2000.00	1.017	179.7	02:31:04.3	999.0	V	Harris	3	1 x 1
117419	I013V V	0:13:23.33	+35:41:33.5	J2000.00	1.017	179.7	02:31:04.3	999.0	V	Harris	4	1 x 1
117420	I013V V	0:13:23.33	+35:41:33.0	J2000.00	1.010	179.7	02:50:30.7	999.1	V	Harris	1	1 x 1
117421	I013V V	0:13:23.33	+35:41:33.0	J2000.00	1.010	179.7	02:50:30.7	999.1	V	Harris	5	1 x 1
117422	I013V V	0:13:23.33	+35:41:33.0	J2000.00	1.010	179.7	02:50:30.7	999.1	V	Harris	3	1 x 1
117423	I013V V	0:13:23.33	+35:41:33.0	J2000.00	1.010	179.7	02:50:30.7	999.1	V	Harris	4	1 x 1
117424	I013V V	0:13:23.32	+35:41:33.5	J2000.00	1.008	179.7	03:09:57.9	999.0	V	Harris	1	1 x 1
117425	I013V V	0:13:23.32	+35:41:33.5	J2000.00	1.008	179.7	03:09:57.9	999.0	V	Harris	5	1 x 1
117426	I013V V	0:13:23.32	+35:41:33.5	J2000.00	1.008	179.7	03:09:57.9	999.0	V	Harris	3	1 x 1
117427	I013V V	0:13:23.32	+35:41:33.5	J2000.00	1.008	179.7	03:09:57.9	999.0	V	Harris	4	1 x 1
117428	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.136	179.7	03:36:14.6	10.1	B		1	1 x 1
117429	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.136	179.7	03:36:14.6	10.1	B		5	1 x 1
117430	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.136	179.7	03:36:14.6	10.1	B		3	1 x 1
117431	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.136	179.7	03:36:14.6	10.1	B		4	1 x 1
117432	92-425V	0:55:59.00	+00:52:57.9	J2000.00	1.135	179.7	03:39:30.7	10.1	V	Harris	1	1 x 1
117433	92-425V	0:55:59.00	+00:52:57.9	J2000.00	1.135	179.7	03:39:30.7	10.1	V	Harris	5	1 x 1
117434	92-425V	0:55:59.00	+00:52:57.9	J2000.00	1.135	179.7	03:39:30.7	10.1	V	Harris	3	1 x 1
117435	92-425V	0:55:59.00	+00:52:57.9	J2000.00	1.135	179.7	03:39:30.7	10.1	V	Harris	4	1 x 1
117436	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.134	179.7	03:42:36.1	10.1	R	Harris	1	1 x 1
117437	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.134	179.7	03:42:36.1	10.1	R	Harris	5	1 x 1
117438	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.134	179.7	03:42:36.1	10.1	R	Harris	3	1 x 1
117439	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.134	179.7	03:42:36.1	10.1	R	Harris	4	1 x 1

117440	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.028	179.7	04:04:01.2	999.1	V	Harris	1	1 x 1
117441	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.028	179.7	04:04:01.2	999.1	V	Harris	5	1 x 1
117442	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.028	179.7	04:04:01.2	999.1	V	Harris	3	1 x 1
117443	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.028	179.7	04:04:01.2	999.1	V	Harris	4	1 x 1
117444	I015V V	0:16:00.92	+35:51:55.2	J2000.00	1.046	179.7	04:23:26.7	999.0	V	Harris	1	1 x 1
117445	I015V V	0:16:00.92	+35:51:55.2	J2000.00	1.046	179.7	04:23:26.7	999.0	V	Harris	5	1 x 1
117446	I015V V	0:16:00.92	+35:51:55.2	J2000.00	1.046	179.7	04:23:26.7	999.0	V	Harris	3	1 x 1
117447	I015V V	0:16:00.92	+35:51:55.2	J2000.00	1.046	179.7	04:23:26.7	999.0	V	Harris	4	1 x 1
117448	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.070	179.7	04:42:53.0	998.9	V	Harris	1	1 x 1
117449	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.070	179.7	04:42:53.0	998.9	V	Harris	5	1 x 1
117450	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.070	179.7	04:42:53.0	998.9	V	Harris	3	1 x 1
117451	I015V V	0:16:00.93	+35:51:55.0	J2000.00	1.070	179.7	04:42:53.0	998.9	V	Harris	4	1 x 1
117452	I015Z	0:16:00.93	+35:51:54.8	J2000.00	1.095	179.7	05:02:48.3	599.4	z	Gunn	1	1 x 1
117453	I015Z	0:16:00.93	+35:51:54.8	J2000.00	1.095	179.7	05:02:48.3	599.4	z	Gunn	5	1 x 1
117454	I015Z	0:16:00.93	+35:51:54.8	J2000.00	1.095	179.7	05:02:48.3	599.4	z	Gunn	3	1 x 1
117455	I015Z	0:16:00.93	+35:51:54.8	J2000.00	1.095	179.7	05:02:48.3	599.4	z	Gunn	4	1 x 1
117456	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.198	179.7	05:15:35.5	10.0	R	Harris	1	1 x 1
117457	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.198	179.7	05:15:35.5	10.0	R	Harris	5	1 x 1
117458	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.198	179.7	05:15:35.5	10.0	R	Harris	3	1 x 1
117459	92-425R	0:55:59.00	+00:52:58.0	J2000.00	1.198	179.7	05:15:35.5	10.0	R	Harris	4	1 x 1
117460	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.204	179.7	05:18:40.9	10.1	V	Harris	1	1 x 1
117461	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.204	179.7	05:18:40.9	10.1	V	Harris	5	1 x 1
117462	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.204	179.7	05:18:40.9	10.1	V	Harris	3	1 x 1
117463	92-425V	0:55:59.00	+00:52:58.0	J2000.00	1.204	179.7	05:18:40.9	10.1	V	Harris	4	1 x 1
117464	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.209	179.7	05:21:33.3	10.0	B		1	1 x 1
117465	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.209	179.7	05:21:33.3	10.0	B		5	1 x 1
117466	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.209	179.7	05:21:33.3	10.0	B		3	1 x 1
117467	92-425B	0:55:59.00	+00:52:58.0	J2000.00	1.209	179.7	05:21:33.3	10.0	B		4	1 x 1
117468	92-425Z	0:55:59.00	+00:52:58.0	J2000.00	1.216	179.7	05:24:39.6	20.1	z	Gunn	1	1 x 1
117469	92-425Z	0:55:59.00	+00:52:58.0	J2000.00	1.216	179.7	05:24:39.6	20.1	z	Gunn	5	1 x 1
117470	92-425Z	0:55:59.00	+00:52:58.0	J2000.00	1.216	179.7	05:24:39.6	20.1	z	Gunn	3	1 x 1
117471	92-425Z	0:55:59.00	+00:52:58.0	J2000.00	1.216	179.7	05:24:39.6	20.1	z	Gunn	4	1 x 1