```
INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1998 AUG 27/28
INT TAPE NR:           INTD 3769-3770
OBSERVER:              G. Dalton, J. Booth, E. Gaztanaga
PROGRAMME:             Oxford WFC Survey
PATT/CAT:              WFS 16
TELESCOPE OPERATOR:    P. Sorensen
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:               fair
OUTSIDE TEMP (deg C):    21.5            (FIRST HALF)
OUTSIDE TEMP (deg C):    20.0            (SECOND HALF)
HUMIDITY (%):            21              (FIRST HALF)
HUMIDITY (%):            20             (SECOND HALF)
CLOUD COVER (%):         10              (FIRST HALF)
CLOUD COVER (%):          0              (SECOND HALF)
DUST (0 - 2):            1.5             (FIRST HALF)
DUST (0 - 2):            1.5             (SECOND HALF)
SEEING (arcsec):          -              (FIRST HALF)
SEEING (arcsec):          -              (SECOND HALF)
AV. SEEING (arcsec):      -
NO. SEEING MEASURES:      0

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

DARK HOURS:            08:24
DOME OPEN (UTC):       19:10
MOON PHASE (D/G/B):        D
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:00
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 00:00
DK HRS LOST (DET.):   00:00
DK HRS LOST (COMPS.): 00:00
DK HRS LOST (A&G):    00:00
DK HRS LOST (OTHER):  00:00

COMMENTS:
Very dusty all night

----
```

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
118455	Bias frame						13:38:30.2	0.0	R	Harris	1	1 x 1	
118456	Bias frame						13:38:30.2	0.0	R	Harris	5	1 x 1	
118457	Bias frame						13:38:30.2	0.0	R	Harris	3	1 x 1	

118458	Bias frame						13:38:30.2	0.0	R	Harris	4	1 x 1	
118459	Bias frame						18:23:39.0	0.0	R	Harris	1	1 x 1	
118460	Bias frame						18:23:39.0	0.0	R	Harris	5	1 x 1	
118461	Bias frame						18:23:39.0	0.0	R	Harris	3	1 x 1	
118462	Bias frame						18:23:39.0	0.0	R	Harris	4	1 x 1	
118463	Bias frame						18:26:22.0	0.0	R	Harris	1	1 x 1	
118464	Bias frame						18:26:22.0	0.0	R	Harris	5	1 x 1	
118465	Bias frame						18:26:22.0	0.0	R	Harris	3	1 x 1	
118466	Bias frame						18:26:22.0	0.0	R	Harris	4	1 x 1	
118467	Bias frame						18:29:04.6	0.0	R	Harris	1	1 x 1	
118468	Bias frame						18:29:04.6	0.0	R	Harris	5	1 x 1	
118469	Bias frame						18:29:04.6	0.0	R	Harris	3	1 x 1	
118470	Bias frame						18:29:04.6	0.0	R	Harris	4	1 x 1	
118471	Bias frame						18:31:46.3	0.0	R	Harris	1	1 x 1	
118472	Bias frame						18:31:46.3	0.0	R	Harris	5	1 x 1	
118473	Bias frame						18:31:46.3	0.0	R	Harris	3	1 x 1	
118474	Bias frame						18:31:46.3	0.0	R	Harris	4	1 x 1	
118475	Bias frame						18:34:29.5	0.0	R	Harris	1	1 x 1	
118476	Bias frame						18:34:29.5	0.0	R	Harris	5	1 x 1	
118477	Bias frame						18:34:29.5	0.0	R	Harris	3	1 x 1	
118478	Bias frame						18:34:29.5	0.0	R	Harris	4	1 x 1	
118479	Bias frame						18:37:06.7	0.0	R	Harris	1	1 x 1	
118480	Bias frame						18:37:06.7	0.0	R	Harris	5	1 x 1	
118481	Bias frame						18:37:06.7	0.0	R	Harris	3	1 x 1	
118482	Bias frame						18:37:06.7	0.0	R	Harris	4	1 x 1	
118483	Bias frame						18:39:44.4	0.0	R	Harris	1	1 x 1	
118484	Bias frame						18:39:44.4	0.0	R	Harris	5	1 x 1	
118485	Bias frame						18:39:44.4	0.0	R	Harris	3	1 x 1	
118486	Bias frame						18:39:44.4	0.0	R	Harris	4	1 x 1	
118487	Bias frame						18:42:20.9	0.0	R	Harris	1	1 x 1	
118488	Bias frame						18:42:20.9	0.0	R	Harris	5	1 x 1	
118489	Bias frame						18:42:20.9	0.0	R	Harris	3	1 x 1	
118490	Bias frame						18:42:20.9	0.0	R	Harris	4	1 x 1	
118491	Bias frame						18:44:57.7	0.0	R	Harris	1	1 x 1	
118492	Bias frame						18:44:57.7	0.0	R	Harris	5	1 x 1	
118493	Bias frame						18:44:57.7	0.0	R	Harris	3	1 x 1	
118494	Bias frame						18:44:57.7	0.0	R	Harris	4	1 x 1	
118495	Bias frame						18:47:35.7	0.0	R	Harris	1	1 x 1	
118496	Bias frame						18:47:35.7	0.0	R	Harris	5	1 x 1	
118497	Bias frame						18:47:35.7	0.0	R	Harris	3	1 x 1	
118498	Bias frame						18:47:35.7	0.0	R	Harris	4	1 x 1	
118499	Bias test						19:31:36.7	0.0	R	Harris	1	1 x 1	
118500	Bias test						19:31:36.7	0.0	R	Harris	5	1 x 1	
118501	Bias test						19:31:36.7	0.0	R	Harris	3	1 x 1	
118502	Bias test						19:31:36.7	0.0	R	Harris	4	1 x 1	
118507	Zflat	17:00:00.00	+25:00:00.0	A	1.002	180.0	19:46:27.2	1.9	z	Gunn	1	1 x 1	weather cloudy
118508	Zflat	17:00:00.00	+25:00:00.0	A	1.002	180.0	19:46:27.2	1.9	z	Gunn	5	1 x 1	
118509	Zflat	17:00:00.00	+25:00:00.0	A	1.002	180.0	19:46:27.2	1.9	z	Gunn	3	1 x 1	
118510	Zflat	17:00:00.00	+25:00:00.0	A	1.002	180.0	19:46:27.2	1.9	z	Gunn	4	1 x 1	
118511	Zflat	16:59:59.99	+24:59:59.8	A	1.002	180.0	19:50:17.6	1.1	z	Gunn	1	1 x 1	
118512	Zflat	16:59:59.99	+24:59:59.8	A	1.002	180.0	19:50:17.6	1.1	z	Gunn	5	1 x 1	
118513	Zflat	16:59:59.99	+24:59:59.8	A	1.002	180.0	19:50:17.6	1.1	z	Gunn	3	1 x 1	
118514	Zflat	16:59:59.99	+24:59:59.8	A	1.002	180.0	19:50:17.6	1.1	z	Gunn	4	1 x 1	
118515	Zflat	17:00:00.00	+25:00:00.1	A	1.002	180.0	19:54:20.7	1.0	z	Gunn	1	1 x 1	
118516	Zflat	17:00:00.00	+25:00:00.1	A	1.002	180.0	19:54:20.7	1.0	z	Gunn	5	1 x 1	
118517	Zflat	17:00:00.00	+25:00:00.1	A	1.002	180.0	19:54:20.7	1.0	z	Gunn	3	1 x 1	
118518	Zflat	17:00:00.00	+25:00:00.1	A	1.002	180.0	19:54:20.7	1.0	z	Gunn	4	1 x 1	
118519	Zflat	17:00:00.36	+25:00:00.0	A	1.003	180.0	19:57:43.3	2.1	z	Gunn	1	1 x 1	
118520	Zflat	17:00:00.36	+25:00:00.0	A	1.003	180.0	19:57:43.3	2.1	z	Gunn	5	1 x 1	
118521	Zflat	17:00:00.36	+25:00:00.0	A	1.003	180.0	19:57:43.3	2.1	z	Gunn	3	1 x 1	
118522	Zflat	17:00:00.36	+25:00:00.0	A	1.003	180.0	19:57:43.3	2.1	z	Gunn	4	1 x 1	
118523	Zflat	17:00:00.36	+24:59:59.9	A	1.003	180.0	20:01:08.6	4.6	z	Gunn	1	1 x 1	

118524	Zflat	17:00:00.36	+24:59:59.9	A	1.003	180.0	20:01:08.6	4.6	z	Gunn	5	1 x 1
118525	Zflat	17:00:00.36	+24:59:59.9	A	1.003	180.0	20:01:08.6	4.6	z	Gunn	3	1 x 1
118526	Zflat	17:00:00.36	+24:59:59.9	A	1.003	180.0	20:01:08.6	4.6	z	Gunn	4	1 x 1
118531	Zflat	17:00:00.36	+25:00:00.0	A	1.005	180.0	20:07:25.4	15.1	z	Gunn	1	1 x 1
118532	Zflat	17:00:00.36	+25:00:00.0	A	1.005	180.0	20:07:25.4	15.1	z	Gunn	5	1 x 1
118533	Zflat	17:00:00.36	+25:00:00.0	A	1.005	180.0	20:07:25.4	15.1	z	Gunn	3	1 x 1
118534	Zflat	17:00:00.36	+25:00:00.0	A	1.005	180.0	20:07:25.4	15.1	z	Gunn	4	1 x 1
118535	Bflat	17:00:00.36	+25:00:00.0	A	1.006	180.0	20:10:50.7	20.1	B		1	1 x 1
118536	Bflat	17:00:00.36	+25:00:00.0	A	1.006	180.0	20:10:50.7	20.1	B		5	1 x 1
118537	Bflat	17:00:00.36	+25:00:00.0	A	1.006	180.0	20:10:50.7	20.1	B		3	1 x 1
118538	Bflat	17:00:00.36	+25:00:00.0	A	1.006	180.0	20:10:50.7	20.1	B		4	1 x 1
118539	Bflat	17:00:00.00	+25:00:05.0	A	1.008	180.0	20:14:18.4	40.1	B		1	1 x 1
118540	Bflat	17:00:00.00	+25:00:05.0	A	1.008	180.0	20:14:18.4	40.1	B		5	1 x 1
118541	Bflat	17:00:00.00	+25:00:05.0	A	1.008	180.0	20:14:18.4	40.1	B		3	1 x 1
118542	Bflat	17:00:00.00	+25:00:05.0	A	1.008	180.0	20:14:18.4	40.1	B		4	1 x 1
118543	Bflat	17:00:00.00	+25:00:04.9	A	1.010	180.0	20:19:38.7	100.0	B		1	1 x 1
118544	Bflat	17:00:00.00	+25:00:04.9	A	1.010	180.0	20:19:38.7	100.0	B		5	1 x 1
118545	Bflat	17:00:00.00	+25:00:04.9	A	1.010	180.0	20:19:38.7	100.0	B		3	1 x 1
118546	Bflat	17:00:00.00	+25:00:04.9	A	1.010	180.0	20:19:38.7	100.0	B		4	1 x 1
118551		18:42:44.99	+00:11:33.9	J2000.00	1.152	180.0	20:55:27.6	4.6	z	Gunn	1	1 x 1
118552	Focus run	18:42:44.99	+00:11:33.9	J2000.00	1.152	180.0	20:55:27.6	4.6	z	Gunn	5	1 x 1
118553	Focus run	18:42:44.99	+00:11:33.9	J2000.00	1.152	180.0	20:55:27.6	4.6	z	Gunn	3	1 x 1
118554		18:42:44.99	+00:11:33.9	J2000.00	1.152	180.0	20:55:27.6	4.6	z	Gunn	4	1 x 1
118555	Focus run	18:42:44.99	+00:11:34.0	J2000.00	1.146	180.0	21:05:35.8	5.1	V	Harris	1	1 x 1
118556	Focus run	18:42:44.99	+00:11:34.0	J2000.00	1.146	180.0	21:05:35.8	5.1	V	Harris	5	1 x 1
118557	Focus run	18:42:44.99	+00:11:34.0	J2000.00	1.146	180.0	21:05:35.8	5.1	V	Harris	3	1 x 1
118558	Focus run	18:42:44.99	+00:11:34.0	J2000.00	1.146	180.0	21:05:35.8	5.1	V	Harris	4	1 x 1
118559	J027Z	16:34:36.37	+46:12:00.6	J2000.00	1.142	360.0	21:15:21.2	599.5	z	Gunn	1	1 x 1
118560	J027Z	16:34:36.37	+46:12:00.6	J2000.00	1.142	360.0	21:15:21.2	599.5	z	Gunn	5	1 x 1
118561	J027Z	16:34:36.37	+46:12:00.6	J2000.00	1.142	360.0	21:15:21.2	599.5	z	Gunn	3	1 x 1
118562	J027Z	16:34:36.37	+46:12:00.6	J2000.00	1.142	360.0	21:15:21.2	599.5	z	Gunn	4	1 x 1
118563	J027V	16:34:36.36	+46:12:00.7	J2000.00	1.174	360.0	21:29:20.7	998.8	V	Harris	1	1 x 1
118564	J027V	16:34:36.36	+46:12:00.7	J2000.00	1.174	360.0	21:29:20.7	998.8	V	Harris	5	1 x 1
118565	J027V	16:34:36.36	+46:12:00.7	J2000.00	1.174	360.0	21:29:20.7	998.8	V	Harris	3	1 x 1
118566	J027V	16:34:36.36	+46:12:00.7	J2000.00	1.174	360.0	21:29:20.7	998.8	V	Harris	4	1 x 1
118567	J027V	16:34:36.37	+46:12:00.7	J2000.00	1.218	360.0	21:48:59.2	999.0	V	Harris	1	1 x 1
118568	J027V	16:34:36.37	+46:12:00.7	J2000.00	1.218	360.0	21:48:59.2	999.0	V	Harris	5	1 x 1
118569	J027V	16:34:36.37	+46:12:00.7	J2000.00	1.218	360.0	21:48:59.2	999.0	V	Harris	3	1 x 1
118570	J027V	16:34:36.37	+46:12:00.7	J2000.00	1.218	360.0	21:48:59.2	999.0	V	Harris	4	1 x 1
118571	J028 B	16:37:41.29	+46:22:22.2	J2000.00	1.265	360.0	22:10:16.3	898.8	B		1	1 x 1
118572	J028 B	16:37:41.29	+46:22:22.2	J2000.00	1.265	360.0	22:10:16.3	898.8	B		5	1 x 1
118573	J028 B	16:37:41.29	+46:22:22.2	J2000.00	1.265	360.0	22:10:16.3	898.8	B		3	1 x 1
118574	J028 B	16:37:41.29	+46:22:22.2	J2000.00	1.265	360.0	22:10:16.3	898.8	B		4	1 x 1
118575	J028 B	16:37:41.29	+46:22:22.5	J2000.00	1.321	360.0	22:28:02.4	899.2	B		1	1 x 1
118576	J028 B	16:37:41.29	+46:22:22.5	J2000.00	1.321	360.0	22:28:02.4	899.2	B		5	1 x 1
118577	J028 B	16:37:41.29	+46:22:22.5	J2000.00	1.321	360.0	22:28:02.4	899.2	B		3	1 x 1
118578	J028 B	16:37:41.29	+46:22:22.5	J2000.00	1.321	360.0	22:28:02.4	899.2	B		4	1 x 1
118579	J028 B	16:37:41.30	+46:22:22.3	J2000.00	1.386	360.0	22:45:45.4	899.0	B		1	1 x 1
118580	J028 B	16:37:41.30	+46:22:22.3	J2000.00	1.386	360.0	22:45:45.4	899.0	B		5	1 x 1
118581	J028 B	16:37:41.30	+46:22:22.3	J2000.00	1.386	360.0	22:45:45.4	899.0	B		3	1 x 1
118582	J028 B	16:37:41.30	+46:22:22.3	J2000.00	1.386	360.0	22:45:45.4	899.0	B		4	1 x 1
118583	J028 R	16:37:41.29	+46:22:22.3	J2000.00	1.478	360.0	23:03:60.0	1198.6	R	Harris	1	1 x 1
118584	J028 R	16:37:41.29	+46:22:22.3	J2000.00	1.478	360.0	23:03:60.0	1198.6	R	Harris	5	1 x 1
118585	J028 R	16:37:41.29	+46:22:22.3	J2000.00	1.478	360.0	23:03:60.0	1198.6	R	Harris	3	1 x 1
118586	J028 R	16:37:41.29	+46:22:22.3	J2000.00	1.478	360.0	23:03:60.0	1198.6	R	Harris	4	1 x 1
118587	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.336	360.0	23:34:24.5	999.0	V	Harris	1	1 x 1
118588	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.336	360.0	23:34:24.5	999.0	V	Harris	5	1 x 1
118589	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.336	360.0	23:34:24.5	999.0	V	Harris	3	1 x 1
118590	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.336	360.0	23:34:24.5	999.0	V	Harris	4	1 x 1
118591	I026V	0:10:55.55	+35:07:39.3	J2000.00	1.259	360.0	23:54:33.9	998.9	V	Harris	1	1 x 1
118592	I026V	0:10:55.55	+35:07:39.3	J2000.00	1.259	360.0	23:54:33.9	998.9	V	Harris	5	1 x 1
118593	I026V	0:10:55.55	+35:07:39.3	J2000.00	1.259	360.0	23:54:33.9	998.9	V	Harris	3	1 x 1

118594	I026V	0:10:55.55	+35:07:39.3	J2000.00	1.259	360.0	23:54:33.9	998.9	V	Harris	4	1 x 1
118595	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.187	360.0	00:21:00.3	899.0	B		1	1 x 1
118596	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.187	360.0	00:21:00.3	899.0	B		5	1 x 1
118597	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.187	360.0	00:21:00.3	899.0	B		3	1 x 1
118598	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.187	360.0	00:21:00.3	899.0	B		4	1 x 1
118607	I002 B	0:12:43.22	+36:10:21.5	J2000.00	1.106	360.0	00:57:28.5	899.2	R	Harris	1	1 x 1
118608	I002 B	0:12:43.22	+36:10:21.5	J2000.00	1.106	360.0	00:57:28.5	899.2	R	Harris	5	1 x 1
118609	I002 B	0:12:43.22	+36:10:21.5	J2000.00	1.106	360.0	00:57:28.5	899.2	R	Harris	3	1 x 1
118610	I002 B	0:12:43.22	+36:10:21.5	J2000.00	1.106	360.0	00:57:28.5	899.2	R	Harris	4	1 x 1
118611	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.076	360.0	01:15:14.7	899.0	R	Harris	1	1 x 1
118612	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.076	360.0	01:15:14.7	899.0	R	Harris	5	1 x 1
118613	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.076	360.0	01:15:14.7	899.0	R	Harris	3	1 x 1
118614	I002 B	0:12:43.23	+36:10:21.4	J2000.00	1.076	360.0	01:15:14.7	899.0	R	Harris	4	1 x 1
118615	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.049	360.0	01:34:14.3	1198.1	R	Harris	1	1 x 1
118616	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.049	360.0	01:34:14.3	1198.1	R	Harris	5	1 x 1
118617	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.049	360.0	01:34:14.3	1198.1	R	Harris	3	1 x 1
118618	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.049	360.0	01:34:14.3	1198.1	R	Harris	4	1 x 1
118619	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.028	360.0	01:57:01.3	1198.8	R	Harris	1	1 x 1
118620	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.028	360.0	01:57:01.3	1198.8	R	Harris	5	1 x 1
118621	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.028	360.0	01:57:01.3	1198.8	R	Harris	3	1 x 1
118622	I002 R	0:12:43.23	+36:10:21.3	J2000.00	1.028	360.0	01:57:01.3	1198.8	R	Harris	4	1 x 1
118623	I002 R	0:06:21.61	+18:05:10.7	J2000.00	1.015	360.0	02:19:54.9	1198.7	R	Harris	1	1 x 1
118624	I002 R	0:06:21.61	+18:05:10.7	J2000.00	1.015	360.0	02:19:54.9	1198.7	R	Harris	5	1 x 1
118625	I002 R	0:06:21.61	+18:05:10.7	J2000.00	1.015	360.0	02:19:54.9	1198.7	R	Harris	3	1 x 1
118626	I002 R	0:06:21.61	+18:05:10.7	J2000.00	1.015	360.0	02:19:54.9	1198.7	R	Harris	4	1 x 1
118631	I002 V	0:12:43.22	+36:10:21.7	J2000.00	1.009	360.0	02:44:52.1	998.6	V	Harris	1	1 x 1
118632	I002 V	0:12:43.22	+36:10:21.7	J2000.00	1.009	360.0	02:44:52.1	998.6	V	Harris	5	1 x 1
118633	I002 V	0:12:43.22	+36:10:21.7	J2000.00	1.009	360.0	02:44:52.1	998.6	V	Harris	3	1 x 1
118634	I002 V	0:12:43.22	+36:10:21.7	J2000.00	1.009	360.0	02:44:52.1	998.6	V	Harris	4	1 x 1
118635	I002 V	0:12:43.22	+36:10:21.5	J2000.00	1.010	360.0	03:04:23.7	998.5	V	Harris	1	1 x 1
118636	I002 V	0:12:43.22	+36:10:21.5	J2000.00	1.010	360.0	03:04:23.7	998.5	V	Harris	5	1 x 1
118637	I002 V	0:12:43.22	+36:10:21.5	J2000.00	1.010	360.0	03:04:23.7	998.5	V	Harris	3	1 x 1
118638	I002 V	0:12:43.22	+36:10:21.5	J2000.00	1.010	360.0	03:04:23.7	998.5	V	Harris	4	1 x 1
118639	I002 V	0:12:43.23	+36:10:21.6	J2000.00	1.016	360.0	03:23:50.2	998.8	V	Harris	1	1 x 1
118640	I002 V	0:12:43.23	+36:10:21.6	J2000.00	1.016	360.0	03:23:50.2	998.8	V	Harris	5	1 x 1
118641	I002 V	0:12:43.23	+36:10:21.6	J2000.00	1.016	360.0	03:23:50.2	998.8	V	Harris	3	1 x 1
118642	I002 V	0:12:43.23	+36:10:21.6	J2000.00	1.016	360.0	03:23:50.2	998.8	V	Harris	4	1 x 1
118643	I002 Z	0:12:43.23	+36:10:21.3	J2000.00	1.025	360.0	03:43:18.8	599.4	z	Gunn	1	1 x 1
118644	I002 Z	0:12:43.23	+36:10:21.3	J2000.00	1.025	360.0	03:43:18.8	599.4	z	Gunn	5	1 x 1
118645	I002 Z	0:12:43.23	+36:10:21.3	J2000.00	1.025	360.0	03:43:18.8	599.4	z	Gunn	3	1 x 1
118646	I002 Z	0:12:43.23	+36:10:21.3	J2000.00	1.025	360.0	03:43:18.8	599.4	z	Gunn	4	1 x 1
118651	I040 R	0:16:40.31	+34:59:34.1	J2000.00	1.040	180.0	04:02:15.3	1198.9	R	Harris	1	1 x 1
118652	I040 R	0:16:40.31	+34:59:34.1	J2000.00	1.040	180.0	04:02:15.3	1198.9	R	Harris	5	1 x 1
118653	I040 R	0:16:40.31	+34:59:34.1	J2000.00	1.040	180.0	04:02:15.3	1198.9	R	Harris	3	1 x 1
118654	I040 R	0:16:40.31	+34:59:34.1	J2000.00	1.040	180.0	04:02:15.3	1198.9	R	Harris	4	1 x 1
118655	I040 R	0:16:40.31	+34:59:33.7	J2000.00	1.068	180.0	04:25:44.2	1198.7	R	Harris	1	1 x 1
118656	I040 R	0:16:40.31	+34:59:33.7	J2000.00	1.068	180.0	04:25:44.2	1198.7	R	Harris	5	1 x 1
118657	I040 R	0:16:40.31	+34:59:33.7	J2000.00	1.068	180.0	04:25:44.2	1198.7	R	Harris	3	1 x 1
118658	I040 R	0:16:40.31	+34:59:33.7	J2000.00	1.068	180.0	04:25:44.2	1198.7	R	Harris	4	1 x 1
118659	I040 R	0:16:40.31	+34:59:33.9	J2000.00	1.105	180.0	04:48:32.8	1198.5	R	Harris	1	1 x 1
118660	I040 R	0:16:40.31	+34:59:33.9	J2000.00	1.105	180.0	04:48:32.8	1198.5	R	Harris	5	1 x 1
118661	I040 R	0:16:40.31	+34:59:33.9	J2000.00	1.105	180.0	04:48:32.8	1198.5	R	Harris	3	1 x 1
118662	I040 R	0:16:40.31	+34:59:33.9	J2000.00	1.105	180.0	04:48:32.8	1198.5	R	Harris	4	1 x 1
118663	I040 B	0:16:40.30	+34:59:34.0	J2000.00	1.148	180.0	05:12:04.0	898.5	B		1	1 x 1
118664	I040 B	0:16:40.30	+34:59:34.0	J2000.00	1.148	180.0	05:12:04.0	898.5	B		5	1 x 1
118665	I040 B	0:16:40.30	+34:59:34.0	J2000.00	1.148	180.0	05:12:04.0	898.5	B		3	1 x 1
118666	I040 B	0:16:40.30	+34:59:34.0	J2000.00	1.148	180.0	05:12:04.0	898.5	B		4	1 x 1
118667	I040 Z	0:16:40.31	+34:59:34.1	J2000.00	1.186	180.0	05:29:48.8	599.5	z	Gunn	1	1 x 1
118668	I040 Z	0:16:40.31	+34:59:34.1	J2000.00	1.186	180.0	05:29:48.8	599.5	z	Gunn	5	1 x 1
118669	I040 Z	0:16:40.31	+34:59:34.1	J2000.00	1.186	180.0	05:29:48.8	599.5	z	Gunn	3	1 x 1
118670	I040 Z	0:16:40.31	+34:59:34.1	J2000.00	1.186	180.0	05:29:48.8	599.5	z	Gunn	4	1 x 1
118671	I016 Z	0:18:38.88	+36:02:16.7	J2000.00	1.217	180.0	05:42:31.7	599.0	z	Gunn	1	1 x 1

118672	I016 Z	0:18:38.88	+36:02:16.7	J2000.00	1.217	180.0	05:42:31.7	599.0	z	Gunn	5	1 x 1	
118673	I016 Z	0:18:38.88	+36:02:16.7	J2000.00	1.217	180.0	05:42:31.7	599.0	z	Gunn	3	1 x 1	
118674	I016 Z	0:18:38.88	+36:02:16.7	J2000.00	1.217	180.0	05:42:31.7	599.0	z	Gunn	4	1 x 1	
118679	I013 Z	0:13:23.33	+35:41:33.4	J2000.00	1.290	180.0	05:59:04.3	599.4	z	Gunn	1	1 x 1	
118680	I013 Z	0:13:23.33	+35:41:33.4	J2000.00	1.290	180.0	05:59:04.3	599.4	z	Gunn	5	1 x 1	
118681	I013 Z	0:13:23.33	+35:41:33.4	J2000.00	1.290	180.0	05:59:04.3	599.4	z	Gunn	3	1 x 1	
118682	I013 Z	0:13:23.33	+35:41:33.4	J2000.00	1.290	180.0	05:59:04.3	599.4	z	Gunn	4	1 x 1	
118683	Rflat	0:00:00.00	+00:00:00.0	A	1.041	180.0	06:13:46.8	8.1	R	Harris	1	1 x 1	inside of dome
118684	Rflat	0:00:00.00	+00:00:00.0	A	1.041	180.0	06:13:46.8	8.1	R	Harris	5	1 x 1	
118685	Rflat	0:00:00.00	+00:00:00.0	A	1.041	180.0	06:13:46.8	8.1	R	Harris	3	1 x 1	
118686	Rflat	0:00:00.00	+00:00:00.0	A	1.041	180.0	06:13:46.8	8.1	R	Harris	4	1 x 1	
118687	Rflat	4:00:00.00	+24:59:59.9	A	1.009	180.0	06:16:49.3	12.1	R	Harris	1	1 x 1	
118688	Rflat	4:00:00.00	+24:59:59.9	A	1.009	180.0	06:16:49.3	12.1	R	Harris	5	1 x 1	
118689	Rflat	4:00:00.00	+24:59:59.9	A	1.009	180.0	06:16:49.3	12.1	R	Harris	3	1 x 1	
118690	Rflat	4:00:00.00	+24:59:59.9	A	1.009	180.0	06:16:49.3	12.1	R	Harris	4	1 x 1	
118691	Rflat	4:00:02.20	+24:59:59.8	A	1.007	180.0	06:19:57.3	4.1	R	Harris	1	1 x 1	
118692	Rflat	4:00:02.20	+24:59:59.8	A	1.007	180.0	06:19:57.3	4.1	R	Harris	5	1 x 1	
118693	Rflat	4:00:02.20	+24:59:59.8	A	1.007	180.0	06:19:57.3	4.1	R	Harris	3	1 x 1	
118694	Rflat	4:00:02.20	+24:59:59.8	A	1.007	180.0	06:19:57.3	4.1	R	Harris	4	1 x 1	
118695	Rflat	4:00:02.20	+25:00:00.1	A	1.006	180.0	06:22:47.3	3.1	R	Harris	1	1 x 1	
118696	Rflat	4:00:02.20	+25:00:00.1	A	1.006	180.0	06:22:47.3	3.1	R	Harris	5	1 x 1	
118697	Rflat	4:00:02.20	+25:00:00.1	A	1.006	180.0	06:22:47.3	3.1	R	Harris	3	1 x 1	
118698	Rflat	4:00:02.20	+25:00:00.1	A	1.006	180.0	06:22:47.3	3.1	R	Harris	4	1 x 1	
118699	Rflat	4:00:02.20	+25:00:00.1	A	1.005	180.0	06:25:36.2	1.1	R	Harris	1	1 x 1	
118700	Rflat	4:00:02.20	+25:00:00.1	A	1.005	180.0	06:25:36.2	1.1	R	Harris	5	1 x 1	
118701	Rflat	4:00:02.20	+25:00:00.1	A	1.005	180.0	06:25:36.2	1.1	R	Harris	3	1 x 1	
118702	Rflat	4:00:02.20	+25:00:00.1	A	1.005	180.0	06:25:36.2	1.1	R	Harris	4	1 x 1	
118703	Zflat	4:00:02.20	+25:00:00.0	A	1.005	180.0	06:28:29.8	10.1	z	Gunn	1	1 x 1	
118704	Zflat	4:00:02.20	+25:00:00.0	A	1.005	180.0	06:28:29.8	10.1	z	Gunn	5	1 x 1	
118705	Zflat	4:00:02.20	+25:00:00.0	A	1.005	180.0	06:28:29.8	10.1	z	Gunn	3	1 x 1	
118706	Zflat	4:00:02.20	+25:00:00.0	A	1.005	180.0	06:28:29.8	10.1	z	Gunn	4	1 x 1	
118707	Zflat	4:00:00.73	+25:00:00.0	A	1.004	180.0	06:32:00.5	5.6	z	Gunn	1	1 x 1	
118708	Zflat	4:00:00.73	+25:00:00.0	A	1.004	180.0	06:32:00.5	5.6	z	Gunn	5	1 x 1	
118709	Zflat	4:00:00.73	+25:00:00.0	A	1.004	180.0	06:32:00.5	5.6	z	Gunn	3	1 x 1	
118710	Zflat	4:00:00.73	+25:00:00.0	A	1.004	180.0	06:32:00.5	5.6	z	Gunn	4	1 x 1	
118711	Zflat	4:00:00.73	+25:00:00.0	A	1.003	180.0	06:34:51.1	1.1	z	Gunn	1	1 x 1	
118712	Zflat	4:00:00.73	+25:00:00.0	A	1.003	180.0	06:34:51.1	1.1	z	Gunn	5	1 x 1	
118713	Zflat	4:00:00.73	+25:00:00.0	A	1.003	180.0	06:34:51.1	1.1	z	Gunn	3	1 x 1	
118714	Zflat	4:00:00.73	+25:00:00.0	A	1.003	180.0	06:34:51.1	1.1	z	Gunn	4	1 x 1	