INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  1998 AUG 26/27
INT TAPE NR:           INTD 3767-3768
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:               GOOD
OUTSIDE TEMP (deg C):   17.5            (FIRST HALF)
OUTSIDE TEMP (deg C):   19.7            (SECOND HALF)
HUMIDITY (%):             24            (FIRST HALF)
HUMIDITY (%):             18           (SECOND HALF)
CLOUD COVER (%):           0            (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:            08:23
DOME OPEN (UTC):       19:20
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):     00:15
DK HRS LOST (OTHER):   00:00

COMMENTS:
Very dusty all night

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Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments
 118191 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 180.0 13:36:09.0      0.0  Unknown    Unknown    1      1 x 1
 118192 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 180.0 13:36:09.0      0.0  Unknown    Unknown    5      1 x 1
 118193 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 180.0 13:36:09.0      0.0  Unknown    Unknown    3      1 x 1
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118194	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	13:36:09.0	0.0	Unknown	Unknown	4	1 x 1
118195	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:04:49.2	0.0	R	Harris	1	1 x 1
118196	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:04:49.2	0.0	R	Harris	5	1 x 1
118197	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:04:49.2	0.0	R	Harris	3	1 x 1
118198	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:04:49.2	0.0	R	Harris	4	1 x 1
118199	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:23:38.4	0.0	R	Harris	1	1 x 1
118200	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:23:38.4	0.0	R	Harris	5	1 x 1
118201	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:23:38.4	0.0	R	Harris	3	1 x 1
118202	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:23:38.4	0.0	R	Harris	4	1 x 1
118203	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:41:34.8	0.0	R	Harris	1	1 x 1
118204	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:41:34.8	0.0	R	Harris	5	1 x 1
118205	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:41:34.8	0.0	R	Harris	3	1 x 1
118206	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:41:34.8	0.0	R	Harris	4	1 x 1
118207	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:44:15.6	0.0	R	Harris	1	1 x 1
118208	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:44:15.6	0.0	R	Harris	5	1 x 1
118209	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:44:15.6	0.0	R	Harris	3	1 x 1
118210	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:44:15.6	0.0	R	Harris	4	1 x 1
118211	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:46:56.2	0.0	R	Harris	1	1 x 1
118212	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:46:56.2	0.0	R	Harris	5	1 x 1
118213	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:46:56.2	0.0	R	Harris	3	1 x 1
118214	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:46:56.2	0.0	R	Harris	4	1 x 1
118215	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:49:36.3	0.0	R	Harris	1	1 x 1
118216	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:49:36.3	0.0	R	Harris	5	1 x 1
118217	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:49:36.3	0.0	R	Harris	3	1 x 1
118218	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:49:36.3	0.0	R	Harris	4	1 x 1
118219	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:52:16.3	0.0	R	Harris	1	1 x 1
118220	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:52:16.3	0.0	R	Harris	5	1 x 1
118221	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:52:16.3	0.0	R	Harris	3	1 x 1
118222	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:52:16.3	0.0	R	Harris	4	1 x 1
118223	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:54:55.7	0.0	R	Harris	1	1 x 1
118224	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:54:55.7	0.0	R	Harris	5	1 x 1
118225	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:54:55.7	0.0	R	Harris	3	1 x 1
118226	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:54:55.7	0.0	R	Harris	4	1 x 1
118227	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:57:34.8	0.0	R	Harris	1	1 x 1
118228	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:57:34.8	0.0	R	Harris	5	1 x 1
118229	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:57:34.8	0.0	R	Harris	3	1 x 1
118230	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	16:57:34.8	0.0	R	Harris	4	1 x 1
118231	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:00:12.5	0.0	R	Harris	1	1 x 1
118232	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:00:12.5	0.0	R	Harris	5	1 x 1
118233	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:00:12.5	0.0	R	Harris	3	1 x 1
118234	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:00:12.5	0.0	R	Harris	4	1 x 1
118235	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:02:53.5	0.0	R	Harris	1	1 x 1
118236	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:02:53.5	0.0	R	Harris	5	1 x 1
118237	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:02:53.5	0.0	R	Harris	3	1 x 1
118238	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:02:53.5	0.0	R	Harris	4	1 x 1
118239	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:05:32.0	0.0	R	Harris	1	1 x 1
118240	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:05:32.0	0.0	R	Harris	5	1 x 1
118241	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:05:32.0	0.0	R	Harris	3	1 x 1
118242	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	17:05:32.0	0.0	R	Harris	4	1 x 1
118243	Bias frame	16:00:00.00	+24:59:59.9	A	1.017	180.0	19:35:32.4	0.0	R	Harris	1	1 x 1
118244	Bias frame	16:00:00.00	+24:59:59.9	A	1.017	180.0	19:35:32.4	0.0	R	Harris	5	1 x 1
118245	Bias frame	16:00:00.00	+24:59:59.9	A	1.017	180.0	19:35:32.4	0.0	R	Harris	3	1 x 1
118246	Bias frame	16:00:00.00	+24:59:59.9	A	1.017	180.0	19:35:32.4	0.0	R	Harris	4	1 x 1
118247	Uflat	16:00:00.00	+24:59:59.9	A	1.029	180.0	19:50:53.8	2.4	U	RGO	1	1 x 1
118248	Uflat	16:00:00.00	+24:59:59.9	A	1.029	180.0	19:50:53.8	2.4	U	RGO	5	1 x 1
118249	Uflat	16:00:00.00	+24:59:59.9	A	1.029	180.0	19:50:53.8	2.4	U	RGO	3	1 x 1
118250	Uflat	16:00:00.00	+24:59:59.9	A	1.029	180.0	19:50:53.8	2.4	U	RGO	4	1 x 1
118251	Uflat	16:00:00.36	+24:59:59.9	A	1.033	180.0	19:54:39.6	2.1	U	RGO	1	1 x 1
118252	Uflat	16:00:00.36	+24:59:59.9	A	1.033	180.0	19:54:39.6	2.1	U	RGO	5	1 x 1
118253	Uflat	16:00:00.36	+24:59:59.9	A	1.033	180.0	19:54:39.6	2.1	U	RGO	3	1 x 1
118254	Uflat	16:00:00.36	+24:59:59.9	A	1.033	180.0	19:54:39.6	2.1	U	RGO	4	1 x 1
118255	Uflat	16:00:00.36	+24:59:59.8	A	1.036	180.0	19:57:59.9	6.1	U	RGO	1	1 x 1

118256	Uflat	16:00:00.36	+24:59:59.8	A	1.036	180.0	19:57:59.9	6.1	U	RGO	5	1 x 1
118257	Uflat	16:00:00.36	+24:59:59.8	A	1.036	180.0	19:57:59.9	6.1	U	RGO	3	1 x 1
118258	Uflat	16:00:00.36	+24:59:59.8	A	1.036	180.0	19:57:59.9	6.1	U	RGO	4	1 x 1
118259	Bflat	16:00:00.36	+25:00:00.0	A	1.039	180.0	20:01:07.6	0.9	B		1	1 x 1
118260	Bflat	16:00:00.36	+25:00:00.0	A	1.039	180.0	20:01:07.6	0.9	B		5	1 x 1
118261	Bflat	16:00:00.36	+25:00:00.0	A	1.039	180.0	20:01:07.6	0.9	B		3	1 x 1
118262	Bflat	16:00:00.36	+25:00:00.0	A	1.039	180.0	20:01:07.6	0.9	B		4	1 x 1
118263	Bflat	16:00:00.36	+25:00:00.0	A	1.043	180.0	20:04:30.3	4.1	B		1	1 x 1
118264	Bflat	16:00:00.36	+25:00:00.0	A	1.043	180.0	20:04:30.3	4.1	B		5	1 x 1
118265	Bflat	16:00:00.36	+25:00:00.0	A	1.043	180.0	20:04:30.3	4.1	B		3	1 x 1
118266	Bflat	16:00:00.36	+25:00:00.0	A	1.043	180.0	20:04:30.3	4.1	B		4	1 x 1
118267	Bflat	16:00:00.36	+24:59:59.9	A	1.047	180.0	20:07:51.5	10.1	B		1	1 x 1
118268	Bflat	16:00:00.36	+24:59:59.9	A	1.047	180.0	20:07:51.5	10.1	B		5	1 x 1
118269	Bflat	16:00:00.36	+24:59:59.9	A	1.047	180.0	20:07:51.5	10.1	B		3	1 x 1
118270	Bflat	16:00:00.36	+24:59:59.9	A	1.047	180.0	20:07:51.5	10.1	B		4	1 x 1
118275	Vflat	16:00:00.36	+25:00:00.0	A	1.054	180.0	20:13:07.2	20.1	V	Harris	1	1 x 1
118276	Vflat	16:00:00.36	+25:00:00.0	A	1.054	180.0	20:13:07.2	20.1	V	Harris	5	1 x 1
118277	Vflat	16:00:00.36	+25:00:00.0	A	1.054	180.0	20:13:07.2	20.1	V	Harris	3	1 x 1
118278	Vflat	16:00:00.36	+25:00:00.0	A	1.054	180.0	20:13:07.2	20.1	V	Harris	4	1 x 1
118279	Vflat	16:00:00.00	+25:00:04.9	A	1.060	180.0	20:16:44.8	75.0	V	Harris	1	1 x 1
118280	Vflat	16:00:00.00	+25:00:04.9	A	1.060	180.0	20:16:44.8	75.0	V	Harris	5	1 x 1
118281	Vflat	16:00:00.00	+25:00:04.9	A	1.060	180.0	20:16:44.8	75.0	V	Harris	3	1 x 1
118282	Vflat	16:00:00.00	+25:00:04.9	A	1.060	180.0	20:16:44.8	75.0	V	Harris	4	1 x 1
118283	Vflat	16:00:00.00	+25:00:04.9	A	1.067	180.0	20:21:06.4	119.9	V	Harris	1	1 x 1
118284	Vflat	16:00:00.00	+25:00:04.9	A	1.067	180.0	20:21:06.4	119.9	V	Harris	5	1 x 1
118285	Vflat	16:00:00.00	+25:00:04.9	A	1.067	180.0	20:21:06.4	119.9	V	Harris	3	1 x 1
118286	Vflat	16:00:00.00	+25:00:04.9	A	1.067	180.0	20:21:06.4	119.9	V	Harris	4	1 x 1
118287	test	18:00:42.42	+02:57:53.7	J2000.00	1.112	179.8	21:03:43.1	10.1	R	Harris	1	4 x 4
118288	test	18:00:42.42	+02:57:53.7	J2000.00	1.112	179.8	21:03:43.1	10.1	R	Harris	5	4 x 4
118289	test	18:00:42.42	+02:57:53.7	J2000.00	1.112	179.8	21:03:43.1	10.1	R	Harris	3	4 x 4
118290	test	18:00:42.42	+02:57:53.7	J2000.00	1.112	179.8	21:03:43.1	10.1	R	Harris	4	4 x 4
118291	test	18:00:38.71	+02:55:53.6	J2000.00	1.112	179.8	21:05:00.6	10.1	R	Harris	1	4 x 4
118292	test	18:00:38.71	+02:55:53.6	J2000.00	1.112	179.8	21:05:00.6	10.1	R	Harris	5	4 x 4
118293	test	18:00:38.71	+02:55:53.6	J2000.00	1.112	179.8	21:05:00.6	10.1	R	Harris	3	4 x 4
118294	test	18:00:38.71	+02:55:53.6	J2000.00	1.112	179.8	21:05:00.6	10.1	R	Harris	4	4 x 4
118295	test	18:00:38.71	+02:55:53.7	J2000.00	1.114	179.8	21:10:50.3	10.1	R	Harris	1	4 x 4
118296	test	18:00:38.71	+02:55:53.7	J2000.00	1.114	179.8	21:10:50.3	10.1	R	Harris	5	4 x 4
118297	test	18:00:38.71	+02:55:53.7	J2000.00	1.114	179.8	21:10:50.3	10.1	R	Harris	3	4 x 4
118298	test	18:00:38.71	+02:55:53.7	J2000.00	1.114	179.8	21:10:50.3	10.1	R	Harris	4	4 x 4
118303	Focus run	18:42:44.99	+00:10:18.9	J2000.00	1.141	179.8	21:22:04.6	5.1	R	Harris	1	1 x 1
118304	Focus run	18:42:44.99	+00:10:18.9	J2000.00	1.141	179.8	21:22:04.6	5.1	R	Harris	5	1 x 1
118305	Focus run	18:42:44.99	+00:10:18.9	J2000.00	1.141	179.8	21:22:04.6	5.1	R	Harris	3	1 x 1
118306	Focus run	18:42:44.99	+00:10:18.9	J2000.00	1.141	179.8	21:22:04.6	5.1	R	Harris	4	1 x 1
118307	J013 R	16:34:23.56	+46:35:33.4	J2000.00	1.182	179.8	21:34:01.6	1198.9	R	Harris	1	1 x 1
118308	J013 R	16:34:23.56	+46:35:33.4	J2000.00	1.182	179.8	21:34:01.6	1198.9	R	Harris	5	1 x 1
118309	J013 R	16:34:23.56	+46:35:33.4	J2000.00	1.182	179.8	21:34:01.6	1198.9	R	Harris	3	1 x 1
118310	J013 R	16:34:23.56	+46:35:33.4	J2000.00	1.182	179.8	21:34:01.6	1198.9	R	Harris	4	1 x 1
118311	J013 R	16:34:23.57	+46:35:33.1	J2000.00	1.235	179.8	21:56:50.3	1198.8	R	Harris	1	1 x 1
118312	J013 R	16:34:23.57	+46:35:33.1	J2000.00	1.235	179.8	21:56:50.3	1198.8	R	Harris	5	1 x 1
118313	J013 R	16:34:23.57	+46:35:33.1	J2000.00	1.235	179.8	21:56:50.3	1198.8	R	Harris	3	1 x 1
118314	J013 R	16:34:23.57	+46:35:33.1	J2000.00	1.235	179.8	21:56:50.3	1198.8	R	Harris	4	1 x 1
118315	J013 R	16:34:23.57	+46:35:33.5	J2000.00	1.300	179.8	22:19:33.4	1198.8	R	Harris	1	1 x 1
118316	J013 R	16:34:23.57	+46:35:33.5	J2000.00	1.300	179.8	22:19:33.4	1198.8	R	Harris	5	1 x 1
118317	J013 R	16:34:23.57	+46:35:33.5	J2000.00	1.300	179.8	22:19:33.4	1198.8	R	Harris	3	1 x 1
118318	J013 R	16:34:23.57	+46:35:33.5	J2000.00	1.300	179.8	22:19:33.4	1198.8	R	Harris	4	1 x 1
118319	J027 V	16:34:36.36	+46:12:00.8	J2000.00	1.429	360.0	22:55:53.4	998.7	V	Harris	1	1 x 1
118320	J027 V	16:34:36.36	+46:12:00.8	J2000.00	1.429	360.0	22:55:53.4	998.7	V	Harris	5	1 x 1
118321	J027 V	16:34:36.36	+46:12:00.8	J2000.00	1.429	360.0	22:55:53.4	998.7	V	Harris	3	1 x 1
118322	J027 V	16:34:36.36	+46:12:00.8	J2000.00	1.429	360.0	22:55:53.4	998.7	V	Harris	4	1 x 1
118327	Bias frame	0:18:46.07	+35:38:43.4	J2000.00	1.411	360.0	23:37:47.7	0.0	V	Harris	1	1 x 1
118328	Bias frame	0:18:46.07	+35:38:43.4	J2000.00	1.411	360.0	23:37:47.7	0.0	V	Harris	5	1 x 1
118329	Bias frame	0:18:46.07	+35:38:43.4	J2000.00	1.411	360.0	23:37:47.7	0.0	V	Harris	3	1 x 1

118330	Bias frame	0:18:46.07	+35:38:43.4	J2000.00	1.411	360.0	23:37:47.7	0.0	V	Harris	4	1 x 1
118331	I029 R	0:18:46.06	+35:38:43.5	J2000.00	1.347	360.0	23:41:42.8	1198.9	R	Harris	1	1 x 1
118332	I029 R	0:18:46.06	+35:38:43.5	J2000.00	1.347	360.0	23:41:42.8	1198.9	R	Harris	5	1 x 1
118333	I029 R	0:18:46.06	+35:38:43.5	J2000.00	1.347	360.0	23:41:42.8	1198.9	R	Harris	3	1 x 1
118334	I029 R	0:18:46.06	+35:38:43.5	J2000.00	1.347	360.0	23:41:42.8	1198.9	R	Harris	4	1 x 1
118335	I029 R	0:18:46.07	+35:38:43.6	J2000.00	1.260	360.0	00:04:28.9	1198.4	R	Harris	1	1 x 1
118336	I029 R	0:18:46.07	+35:38:43.6	J2000.00	1.260	360.0	00:04:28.9	1198.4	R	Harris	5	1 x 1
118337	I029 R	0:18:46.07	+35:38:43.6	J2000.00	1.260	360.0	00:04:28.9	1198.4	R	Harris	3	1 x 1
118338	I029 R	0:18:46.07	+35:38:43.6	J2000.00	1.260	360.0	00:04:28.9	1198.4	R	Harris	4	1 x 1
118339	I029 R	0:18:46.06	+35:38:43.3	J2000.00	1.190	360.0	00:27:17.5	1198.4	R	Harris	1	1 x 1
118340	I029 R	0:18:46.06	+35:38:43.3	J2000.00	1.190	360.0	00:27:17.5	1198.4	R	Harris	5	1 x 1
118341	I029 R	0:18:46.06	+35:38:43.3	J2000.00	1.190	360.0	00:27:17.5	1198.4	R	Harris	3	1 x 1
118342	I029 R	0:18:46.06	+35:38:43.3	J2000.00	1.190	360.0	00:27:17.5	1198.4	R	Harris	4	1 x 1
118343	I030 R	0:21:23.58	+35:49:05.0	J2000.00	1.131	360.0	00:54:19.6	1198.9	R	Harris	1	1 x 1
118344	I030 R	0:21:23.58	+35:49:05.0	J2000.00	1.131	360.0	00:54:19.6	1198.9	R	Harris	5	1 x 1
118345	I030 R	0:21:23.58	+35:49:05.0	J2000.00	1.131	360.0	00:54:19.6	1198.9	R	Harris	3	1 x 1
118346	I030 R	0:21:23.58	+35:49:05.0	J2000.00	1.131	360.0	00:54:19.6	1198.9	R	Harris	4	1 x 1
118347	I030 R	0:21:23.57	+35:49:05.0	J2000.00	1.087	360.0	01:18:05.2	1198.9	R	Harris	1	1 x 1
118348	I030 R	0:21:23.57	+35:49:05.0	J2000.00	1.087	360.0	01:18:05.2	1198.9	R	Harris	5	1 x 1
118349	I030 R	0:21:23.57	+35:49:05.0	J2000.00	1.087	360.0	01:18:05.2	1198.9	R	Harris	3	1 x 1
118350	I030 R	0:21:23.57	+35:49:05.0	J2000.00	1.087	360.0	01:18:05.2	1198.9	R	Harris	4	1 x 1
118351	I030R	0:21:23.57	+35:49:04.9	J2000.00	1.054	360.0	01:41:29.9	1198.8	R	Harris	1	1 x 1
118352	I030R	0:21:23.57	+35:49:04.9	J2000.00	1.054	360.0	01:41:29.9	1198.8	R	Harris	5	1 x 1
118353	I030R	0:21:23.57	+35:49:04.9	J2000.00	1.054	360.0	01:41:29.9	1198.8	R	Harris	3	1 x 1
118354	I030R	0:21:23.57	+35:49:04.9	J2000.00	1.054	360.0	01:41:29.9	1198.8	R	Harris	4	1 x 1
118359	I030 V	0:21:23.58	+35:49:05.0	J2000.00	1.031	360.0	02:05:47.2	999.1	V	Harris	1	1 x 1
118360	I030 V	0:21:23.58	+35:49:05.0	J2000.00	1.031	360.0	02:05:47.2	999.1	V	Harris	5	1 x 1
118361	I030 V	0:21:23.58	+35:49:05.0	J2000.00	1.031	360.0	02:05:47.2	999.1	V	Harris	3	1 x 1
118362	I030 V	0:21:23.58	+35:49:05.0	J2000.00	1.031	360.0	02:05:47.2	999.1	V	Harris	4	1 x 1
118363	I030 V	0:21:23.57	+35:49:05.1	J2000.00	1.018	360.0	02:25:11.7	998.7	V	Harris	1	1 x 1
118364	I030 V	0:21:23.57	+35:49:05.1	J2000.00	1.018	360.0	02:25:11.7	998.7	V	Harris	5	1 x 1
118365	I030 V	0:21:23.57	+35:49:05.1	J2000.00	1.018	360.0	02:25:11.7	998.7	V	Harris	3	1 x 1
118366	I030 V	0:21:23.57	+35:49:05.1	J2000.00	1.018	360.0	02:25:11.7	998.7	V	Harris	4	1 x 1
118367	I030 V	0:21:23.58	+35:49:05.2	J2000.00	1.010	360.0	02:44:34.6	999.0	V	Harris	1	1 x 1
118368	I030 V	0:21:23.58	+35:49:05.2	J2000.00	1.010	360.0	02:44:34.6	999.0	V	Harris	5	1 x 1
118369	I030 V	0:21:23.58	+35:49:05.2	J2000.00	1.010	360.0	02:44:34.6	999.0	V	Harris	3	1 x 1
118370	I030 V	0:21:23.58	+35:49:05.2	J2000.00	1.010	360.0	02:44:34.6	999.0	V	Harris	4	1 x 1
118371	I026 B	0:10:55.55	+35:07:39.3	J2000.00	1.007	360.0	03:06:60.1	899.1	B		1	1 x 1
118372	I026 B	0:10:55.55	+35:07:39.3	J2000.00	1.007	360.0	03:06:60.1	899.1	B		5	1 x 1
118373	I026 B	0:10:55.55	+35:07:39.3	J2000.00	1.007	360.0	03:06:60.1	899.1	B		3	1 x 1
118374	I026 B	0:10:55.55	+35:07:39.3	J2000.00	1.007	360.0	03:06:60.1	899.1	B		4	1 x 1
118375	I026 B	0:10:55.55	+35:07:38.9	J2000.00	1.013	360.0	03:24:45.6	899.3	B		1	1 x 1
118376	I026 B	0:10:55.55	+35:07:38.9	J2000.00	1.013	360.0	03:24:45.6	899.3	B		5	1 x 1
118377	I026 B	0:10:55.55	+35:07:38.9	J2000.00	1.013	360.0	03:24:45.6	899.3	B		3	1 x 1
118378	I026 B	0:10:55.55	+35:07:38.9	J2000.00	1.013	360.0	03:24:45.6	899.3	B		4	1 x 1
118379	I026 B	0:10:55.55	+35:07:39.2	J2000.00	1.023	360.0	03:42:27.8	899.0	B		1	1 x 1
118380	I026 B	0:10:55.55	+35:07:39.2	J2000.00	1.023	360.0	03:42:27.8	899.0	B		5	1 x 1
118381	I026 B	0:10:55.55	+35:07:39.2	J2000.00	1.023	360.0	03:42:27.8	899.0	B		3	1 x 1
118382	I026 B	0:10:55.55	+35:07:39.2	J2000.00	1.023	360.0	03:42:27.8	899.0	B		4	1 x 1
118383	I026 R	0:10:55.54	+35:07:39.3	J2000.00	1.041	360.0	04:01:52.2	1198.9	R	Harris	1	1 x 1
118384	I026 R	0:10:55.54	+35:07:39.3	J2000.00	1.041	360.0	04:01:52.2	1198.9	R	Harris	5	1 x 1
118385	I026 R	0:10:55.54	+35:07:39.3	J2000.00	1.041	360.0	04:01:52.2	1198.9	R	Harris	3	1 x 1
118386	I026 R	0:10:55.54	+35:07:39.3	J2000.00	1.041	360.0	04:01:52.2	1198.9	R	Harris	4	1 x 1
118387	I026R	0:10:55.54	+35:07:39.1	J2000.00	1.070	360.0	04:25:12.8	1198.8	R	Harris	1	1 x 1
118388	I026R	0:10:55.54	+35:07:39.1	J2000.00	1.070	360.0	04:25:12.8	1198.8	R	Harris	5	1 x 1
118389	I026R	0:10:55.54	+35:07:39.1	J2000.00	1.070	360.0	04:25:12.8	1198.8	R	Harris	3	1 x 1
118390	I026R	0:10:55.54	+35:07:39.1	J2000.00	1.070	360.0	04:25:12.8	1198.8	R	Harris	4	1 x 1
118391	I026R	0:10:55.55	+35:07:39.3	J2000.00	1.107	360.0	04:47:58.1	1198.8	R	Harris	1	1 x 1
118392	I026R	0:10:55.55	+35:07:39.3	J2000.00	1.107	360.0	04:47:58.1	1198.8	R	Harris	5	1 x 1
118393	I026R	0:10:55.55	+35:07:39.3	J2000.00	1.107	360.0	04:47:58.1	1198.8	R	Harris	3	1 x 1
118394	I026R	0:10:55.55	+35:07:39.3	J2000.00	1.107	360.0	04:47:58.1	1198.8	R	Harris	4	1 x 1
118395	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.157	360.0	05:12:59.8	998.9	V	Harris	1	1 x 1

118396	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.157	360.0	05:12:59.8	998.9	V	Harris	5	1 x 1
118397	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.157	360.0	05:12:59.8	998.9	V	Harris	3	1 x 1
118398	I026V	0:10:55.55	+35:07:39.2	J2000.00	1.157	360.0	05:12:59.8	998.9	V	Harris	4	1 x 1
118399	I026Z	0:10:55.55	+35:07:39.1	J2000.00	1.199	360.0	05:32:21.6	599.3	z	Gunn	1	1 x 1
118400	I026Z	0:10:55.55	+35:07:39.1	J2000.00	1.199	360.0	05:32:21.6	599.3	z	Gunn	5	1 x 1
118401	I026Z	0:10:55.55	+35:07:39.1	J2000.00	1.199	360.0	05:32:21.6	599.3	z	Gunn	3	1 x 1
118402	I026Z	0:10:55.55	+35:07:39.1	J2000.00	1.199	360.0	05:32:21.6	599.3	z	Gunn	4	1 x 1
118403	I029Z	0:18:46.06	+35:38:43.6	J2000.00	1.200	360.0	05:45:04.5	84.5	z	Gunn	1	1 x 1 not guiding :(
118404	I029Z	0:18:46.06	+35:38:43.6	J2000.00	1.200	360.0	05:45:04.5	84.5	z	Gunn	5	1 x 1
118405	I029Z	0:18:46.06	+35:38:43.6	J2000.00	1.200	360.0	05:45:04.5	84.5	z	Gunn	3	1 x 1
118406	I029Z	0:18:46.06	+35:38:43.6	J2000.00	1.200	360.0	05:45:04.5	84.5	z	Gunn	4	1 x 1
118407	I029Z	0:18:46.07	+35:38:43.6	J2000.00	1.228	360.0	05:49:59.7	599.5	z	Gunn	1	1 x 1
118408	I029Z	0:18:46.07	+35:38:43.6	J2000.00	1.228	360.0	05:49:59.7	599.5	z	Gunn	5	1 x 1
118409	I029Z	0:18:46.07	+35:38:43.6	J2000.00	1.228	360.0	05:49:59.7	599.5	z	Gunn	3	1 x 1
118410	I029Z	0:18:46.07	+35:38:43.6	J2000.00	1.228	360.0	05:49:59.7	599.5	z	Gunn	4	1 x 1
118415	Rflat	4:01:06.20	+24:59:59.1	A	1.015	360.0	06:10:57.6	39.6	R	Harris	1	1 x 1
118416	Rflat	4:01:06.20	+24:59:59.1	A	1.015	360.0	06:10:57.6	39.6	R	Harris	5	1 x 1
118417	Rflat	4:01:06.20	+24:59:59.1	A	1.015	360.0	06:10:57.6	39.6	R	Harris	3	1 x 1
118418	Rflat	4:01:06.20	+24:59:59.1	A	1.015	360.0	06:10:57.6	39.6	R	Harris	4	1 x 1
118419	Rflat	4:01:06.56	+24:59:59.1	A	1.012	360.0	06:14:47.5	20.1	R	Harris	1	1 x 1
118420	Rflat	4:01:06.56	+24:59:59.1	A	1.012	360.0	06:14:47.5	20.1	R	Harris	5	1 x 1
118421	Rflat	4:01:06.56	+24:59:59.1	A	1.012	360.0	06:14:47.5	20.1	R	Harris	3	1 x 1
118422	Rflat	4:01:06.56	+24:59:59.1	A	1.012	360.0	06:14:47.5	20.1	R	Harris	4	1 x 1
118423	Rflat	4:01:06.57	+24:59:59.0	A	1.010	360.0	06:18:40.2	10.1	R	Harris	1	1 x 1
118424	Rflat	4:01:06.57	+24:59:59.0	A	1.010	360.0	06:18:40.2	10.1	R	Harris	5	1 x 1
118425	Rflat	4:01:06.57	+24:59:59.0	A	1.010	360.0	06:18:40.2	10.1	R	Harris	3	1 x 1
118426	Rflat	4:01:06.57	+24:59:59.0	A	1.010	360.0	06:18:40.2	10.1	R	Harris	4	1 x 1
118431	Rflat	4:01:06.20	+25:00:04.1	A	1.008	360.0	06:23:56.5	0.0	R	Harris	1	1 x 1
118432	Rflat	4:01:06.20	+25:00:04.1	A	1.008	360.0	06:23:56.5	0.0	R	Harris	5	1 x 1
118433	Rflat	4:01:06.20	+25:00:04.1	A	1.008	360.0	06:23:56.5	0.0	R	Harris	3	1 x 1
118434	Rflat	4:01:06.20	+25:00:04.1	A	1.008	360.0	06:23:56.5	0.0	R	Harris	4	1 x 1
118439	Zflat	4:01:06.20	+25:00:04.1	A	1.006	360.0	06:28:38.8	0.0	z	Gunn	1	1 x 1
118440	Zflat	4:01:06.20	+25:00:04.1	A	1.006	360.0	06:28:38.8	0.0	z	Gunn	5	1 x 1
118441	Zflat	4:01:06.20	+25:00:04.1	A	1.006	360.0	06:28:38.8	0.0	z	Gunn	3	1 x 1
118442	Zflat	4:01:06.20	+25:00:04.1	A	1.006	360.0	06:28:38.8	0.0	z	Gunn	4	1 x 1
118443	Zflat	4:01:06.20	+25:00:04.0	A	1.005	360.0	06:31:38.5	1.5	z	Gunn	1	1 x 1
118444	Zflat	4:01:06.20	+25:00:04.0	A	1.005	360.0	06:31:38.5	1.5	z	Gunn	5	1 x 1
118445	Zflat	4:01:06.20	+25:00:04.0	A	1.005	360.0	06:31:38.5	1.5	z	Gunn	3	1 x 1
118446	Zflat	4:01:06.20	+25:00:04.0	A	1.005	360.0	06:31:38.5	1.5	z	Gunn	4	1 x 1
118447	Zflat	4:01:06.57	+24:59:59.0	A	1.004	360.0	06:34:24.7	1.5	z	Gunn	1	1 x 1
118448	Zflat	4:01:06.57	+24:59:59.0	A	1.004	360.0	06:34:24.7	1.5	z	Gunn	5	1 x 1
118449	Zflat	4:01:06.57	+24:59:59.0	A	1.004	360.0	06:34:24.7	1.5	z	Gunn	3	1 x 1
118450	Zflat	4:01:06.57	+24:59:59.0	A	1.004	360.0	06:34:24.7	1.5	z	Gunn	4	1 x 1
118451	Zflat	2:00:33.28	+12:29:59.5	A	1.004	360.0	06:37:58.1	0.0	z	Gunn	1	1 x 1
118452	Zflat	2:00:33.28	+12:29:59.5	A	1.004	360.0	06:37:58.1	0.0	z	Gunn	5	1 x 1
118453	Zflat	2:00:33.28	+12:29:59.5	A	1.004	360.0	06:37:58.1	0.0	z	Gunn	3	1 x 1
118454	Zflat	2:00:33.28	+12:29:59.5	A	1.004	360.0	06:37:58.1	0.0	z	Gunn	4	1 x 1