INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  1998 OCT 16/17
INT TAPE NR:           INTD 3826
OBSERVER:              M. Irwin
PROGRAMME:             Wide Field Survey
PATT/CAT:              WFS09
TELESCOPE OPERATOR:    P. Sorensen
SUPPORT ASTRONOMER:    N/A

FOCUS:                 PRIME
INSTRUMENT:            WFC
FILTER WHEEL (PF):     UkpBVRIZ
CAMERA (IDS):          -
COLLIMATOR (IDS):      -
COLL. FOCUS (IDS):     -
GRATING (IDS):         -
DETECTOR:              4 EEV 2kx4k
PIXELS:                2148x4200
PIXEL SIZE (microns): 13.5
WINDOW:                Xstart=0, Xsize=2048, Ystart=0, Ysize=4200
BINNING:               in X=1, in Y=1

WEATHER:               Bad
OUTSIDE TEMP (deg C):    7             (FIRST HALF)
OUTSIDE TEMP (deg C):    6             (SECOND HALF)
HUMIDITY (%):           88             (FIRST HALF)
HUMIDITY (%):           94             (SECOND HALF)
CLOUD COVER (%):         0             (FIRST HALF)
CLOUD COVER (%):         0             (SECOND HALF)
DUST (0 - 2):            0             (FIRST HALF)
DUST (0 - 2):            0             (SECOND HALF)
SEEING (arcsec):         -             (FIRST HALF)
SEEING (arcsec):         -             (SECOND HALF)
AV. SEEING (arcsec):     -
NO. SEEING MEASURES:     -

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

DARK HOURS:            08:55
DOME OPEN (UTC):       20:00
MOON PHASE (D/G/B):        D
DK HRS LOST (WEATHER):07:55
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:

High Humidity all night
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Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments

 128353 Bias frame            0:00:00.00 +00:00:00.0 A        1.000 179.8 18:15:44.0      0.0        R     Harris    1      1 x 1
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128354	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:15:44.0	0.0	R	Harris	5	1 x 1
128355	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:15:44.0	0.0	R	Harris	3	1 x 1
128356	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:15:44.0	0.0	R	Harris	4	1 x 1
128357	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:18:36.6	0.0	R	Harris	1	1 x 1
128358	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:18:36.6	0.0	R	Harris	5	1 x 1
128359	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:18:36.6	0.0	R	Harris	3	1 x 1
128360	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:18:36.6	0.0	R	Harris	4	1 x 1
128361	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:21:30.0	0.0	R	Harris	1	1 x 1
128362	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:21:30.0	0.0	R	Harris	5	1 x 1
128363	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:21:30.0	0.0	R	Harris	3	1 x 1
128364	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:21:30.0	0.0	R	Harris	4	1 x 1
128365	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:24:21.2	0.0	R	Harris	1	1 x 1
128366	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:24:21.2	0.0	R	Harris	5	1 x 1
128367	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:24:21.2	0.0	R	Harris	3	1 x 1
128368	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:24:21.2	0.0	R	Harris	4	1 x 1
128369	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:27:12.2	0.0	R	Harris	1	1 x 1
128370	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:27:12.2	0.0	R	Harris	5	1 x 1
128371	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:27:12.2	0.0	R	Harris	3	1 x 1
128372	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:27:12.2	0.0	R	Harris	4	1 x 1
128373	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:16:07.1	1.0	V	Harris	1	1 x 1
128374	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:16:07.1	1.0	V	Harris	5	1 x 1
128375	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:16:07.1	1.0	V	Harris	3	1 x 1
128376	Dome flat 1	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:16:07.1	1.0	V	Harris	4	1 x 1
128377	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:19:04.3	2.1	V	Harris	1	1 x 1
128378	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:19:04.3	2.1	V	Harris	5	1 x 1
128379	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:19:04.3	2.1	V	Harris	3	1 x 1
128380	Dome flat 2	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:19:04.3	2.1	V	Harris	4	1 x 1
128381	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:22:02.1	3.1	V	Harris	1	1 x 1
128382	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:22:02.1	3.1	V	Harris	5	1 x 1
128383	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:22:02.1	3.1	V	Harris	3	1 x 1
128384	Dome flat 3	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:22:02.1	3.1	V	Harris	4	1 x 1
128385	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:25:01.3	4.1	V	Harris	1	1 x 1
128386	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:25:01.3	4.1	V	Harris	5	1 x 1
128387	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:25:01.3	4.1	V	Harris	3	1 x 1
128388	Dome flat 4	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:25:01.3	4.1	V	Harris	4	1 x 1
128389	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:28:00.6	5.1	V	Harris	1	1 x 1
128390	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:28:00.6	5.1	V	Harris	5	1 x 1
128391	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:28:00.6	5.1	V	Harris	3	1 x 1
128392	Dome flat 5	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:28:00.6	5.1	V	Harris	4	1 x 1
128393	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:31:01.5	6.1	V	Harris	1	1 x 1
128394	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:31:01.5	6.1	V	Harris	5	1 x 1
128395	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:31:01.5	6.1	V	Harris	3	1 x 1
128396	Dome flat 6	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:31:01.5	6.1	V	Harris	4	1 x 1
128397	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:34:03.4	7.5	V	Harris	1	1 x 1
128398	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:34:03.4	7.5	V	Harris	5	1 x 1
128399	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:34:03.4	7.5	V	Harris	3	1 x 1
128400	Dome flat 7	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:34:03.4	7.5	V	Harris	4	1 x 1
128401	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:37:06.5	8.1	V	Harris	1	1 x 1
128402	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:37:06.5	8.1	V	Harris	5	1 x 1
128403	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:37:06.5	8.1	V	Harris	3	1 x 1
128404	Dome flat 8	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:37:06.5	8.1	V	Harris	4	1 x 1
128405	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:40:10.1	9.1	V	Harris	1	1 x 1
128406	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:40:10.1	9.1	V	Harris	5	1 x 1
128407	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:40:10.1	9.1	V	Harris	3	1 x 1
128408	Dome flat 9	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:40:10.1	9.1	V	Harris	4	1 x 1
128409	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:43:15.2	10.1	V	Harris	1	1 x 1
128410	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:43:15.2	10.1	V	Harris	5	1 x 1
128411	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:43:15.2	10.1	V	Harris	3	1 x 1
128412	Dome flat 10	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:43:15.2	10.1	V	Harris	4	1 x 1
128413	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:46:22.3	11.1	V	Harris	1	1 x 1
128414	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:46:22.3	11.1	V	Harris	5	1 x 1
128415	Dome flat 11	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:46:22.3	11.1	V	Harris	3	1 x 1

128416	Dome flat	11	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:46:22.3	11.1	V	Harris	4	1 x 1
128417	Dome flat	12	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:49:29.4	12.1	V	Harris	1	1 x 1
128418	Dome flat	12	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:49:29.4	12.1	V	Harris	5	1 x 1
128419	Dome flat	12	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:49:29.4	12.1	V	Harris	3	1 x 1
128420	Dome flat	12	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:49:29.4	12.1	V	Harris	4	1 x 1
128421	Dome flat	13	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:52:36.6	13.1	V	Harris	1	1 x 1
128422	Dome flat	13	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:52:36.6	13.1	V	Harris	5	1 x 1
128423	Dome flat	13	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:52:36.6	13.1	V	Harris	3	1 x 1
128424	Dome flat	13	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:52:36.6	13.1	V	Harris	4	1 x 1
128425	Dome flat	14	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:55:45.7	14.1	V	Harris	1	1 x 1
128426	Dome flat	14	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:55:45.7	14.1	V	Harris	5	1 x 1
128427	Dome flat	14	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:55:45.7	14.1	V	Harris	3	1 x 1
128428	Dome flat	14	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:55:45.7	14.1	V	Harris	4	1 x 1
128429	Dome flat	15	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:58:55.3	15.1	V	Harris	1	1 x 1
128430	Dome flat	15	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:58:55.3	15.1	V	Harris	5	1 x 1
128431	Dome flat	15	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:58:55.3	15.1	V	Harris	3	1 x 1
128432	Dome flat	15	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	19:58:55.3	15.1	V	Harris	4	1 x 1
128433	Dome flat	16	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:02:07.7	16.1	V	Harris	1	1 x 1
128434	Dome flat	16	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:02:07.7	16.1	V	Harris	5	1 x 1
128435	Dome flat	16	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:02:07.7	16.1	V	Harris	3	1 x 1
128436	Dome flat	16	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:02:07.7	16.1	V	Harris	4	1 x 1
128437	Dome flat	17	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:05:18.6	16.6	V	Harris	1	1 x 1
128438	Dome flat	17	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:05:18.6	16.6	V	Harris	5	1 x 1
128439	Dome flat	17	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:05:18.6	16.6	V	Harris	3	1 x 1
128440	Dome flat	17	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:05:18.6	16.6	V	Harris	4	1 x 1
128441	Dome flat	18	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:08:32.6	18.1	V	Harris	1	1 x 1
128442	Dome flat	18	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:08:32.6	18.1	V	Harris	5	1 x 1
128443	Dome flat	18	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:08:32.6	18.1	V	Harris	3	1 x 1
128444	Dome flat	18	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:08:32.6	18.1	V	Harris	4	1 x 1
128445	Dome flat	19	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:11:46.0	19.1	V	Harris	1	1 x 1
128446	Dome flat	19	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:11:46.0	19.1	V	Harris	5	1 x 1
128447	Dome flat	19	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:11:46.0	19.1	V	Harris	3	1 x 1
128448	Dome flat	19	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:11:46.0	19.1	V	Harris	4	1 x 1
128449	Dome flat	20	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:15:00.9	20.1	V	Harris	1	1 x 1
128450	Dome flat	20	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:15:00.9	20.1	V	Harris	5	1 x 1
128451	Dome flat	20	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:15:00.9	20.1	V	Harris	3	1 x 1
128452	Dome flat	20	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:15:00.9	20.1	V	Harris	4	1 x 1
128453	Dome flat	21	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:18:16.7	21.1	V	Harris	1	1 x 1
128454	Dome flat	21	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:18:16.7	21.1	V	Harris	5	1 x 1
128455	Dome flat	21	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:18:16.7	21.1	V	Harris	3	1 x 1
128456	Dome flat	21	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:18:16.7	21.1	V	Harris	4	1 x 1
128457	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:21:33.5	22.1	V	Harris	1	1 x 1
128458	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:21:33.5	22.1	V	Harris	5	1 x 1
128459	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:21:33.5	22.1	V	Harris	3	1 x 1
128460	Dome flat	22	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:21:33.5	22.1	V	Harris	4	1 x 1
128461	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:24:50.9	23.1	V	Harris	1	1 x 1
128462	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:24:50.9	23.1	V	Harris	5	1 x 1
128463	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:24:50.9	23.1	V	Harris	3	1 x 1
128464	Dome flat	23	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:24:50.9	23.1	V	Harris	4	1 x 1
128465	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:28:10.1	24.1	V	Harris	1	1 x 1
128466	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:28:10.1	24.1	V	Harris	5	1 x 1
128467	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:28:10.1	24.1	V	Harris	3	1 x 1
128468	Dome flat	24	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:28:10.1	24.1	V	Harris	4	1 x 1
128469	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:31:30.5	24.6	V	Harris	1	1 x 1
128470	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:31:30.5	24.6	V	Harris	5	1 x 1
128471	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:31:30.5	24.6	V	Harris	3	1 x 1
128472	Dome flat	25	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:31:30.5	24.6	V	Harris	4	1 x 1
128473	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:34:52.2	26.1	V	Harris	1	1 x 1
128474	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:34:52.2	26.1	V	Harris	5	1 x 1
128475	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:34:52.2	26.1	V	Harris	3	1 x 1
128476	Dome flat	26	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:34:52.2	26.1	V	Harris	4	1 x 1
128477	Dome flat	27	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:38:14.4	27.1	V	Harris	1	1 x 1

128478	Dome flat 27	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:38:14.4	27.1	V	Harris	5	1 x 1
128479	Dome flat 27	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:38:14.4	27.1	V	Harris	3	1 x 1
128480	Dome flat 27	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:38:14.4	27.1	V	Harris	4	1 x 1
128481	Dome flat 28	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:41:37.6	28.1	V	Harris	1	1 x 1
128482	Dome flat 28	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:41:37.6	28.1	V	Harris	5	1 x 1
128483	Dome flat 28	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:41:37.6	28.1	V	Harris	3	1 x 1
128484	Dome flat 28	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:41:37.6	28.1	V	Harris	4	1 x 1
128485	Dome flat 29	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:45:01.4	29.1	V	Harris	1	1 x 1
128486	Dome flat 29	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:45:01.4	29.1	V	Harris	5	1 x 1
128487	Dome flat 29	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:45:01.4	29.1	V	Harris	3	1 x 1
128488	Dome flat 29	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:45:01.4	29.1	V	Harris	4	1 x 1
128489	Dome flat 30	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:48:26.8	30.1	V	Harris	1	1 x 1
128490	Dome flat 30	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:48:26.8	30.1	V	Harris	5	1 x 1
128491	Dome flat 30	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:48:26.8	30.1	V	Harris	3	1 x 1
128492	Dome flat 30	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:48:26.8	30.1	V	Harris	4	1 x 1
128493	Dome flat 31	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:51:53.2	31.1	V	Harris	1	1 x 1
128494	Dome flat 31	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:51:53.2	31.1	V	Harris	5	1 x 1
128495	Dome flat 31	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:51:53.2	31.1	V	Harris	3	1 x 1
128496	Dome flat 31	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:51:53.2	31.1	V	Harris	4	1 x 1
128497	Dome flat 32	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:55:20.4	32.1	V	Harris	1	1 x 1
128498	Dome flat 32	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:55:20.4	32.1	V	Harris	5	1 x 1
128499	Dome flat 32	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:55:20.4	32.1	V	Harris	3	1 x 1
128500	Dome flat 32	0:00:00.00	+00:00:00.0	J2000.00	1.549	179.8	20:55:20.4	32.1	V	Harris	4	1 x 1
128501	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.148	179.8	21:46:27.7	10.1	V	Harris	1	1 x 1
128502	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.148	179.8	21:46:27.7	10.1	V	Harris	5	1 x 1
128503	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.148	179.8	21:46:27.7	10.1	V	Harris	3	1 x 1
128504	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.148	179.8	21:46:27.7	10.1	V	Harris	4	1 x 1
128505	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:14:01.2	10.1	V	Harris	1	1 x 1
128506	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:14:01.2	10.1	V	Harris	5	1 x 1
128507	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:14:01.2	10.1	V	Harris	3	1 x 1
128508	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:14:01.2	10.1	V	Harris	4	1 x 1
128509	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:17:03.7	10.1	V	Harris	1	1 x 1
128510	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:17:03.7	10.1	V	Harris	5	1 x 1
128511	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:17:03.7	10.1	V	Harris	3	1 x 1
128512	Dome flat	0:00:00.00	+00:00:00.0	J2000.00	1.229	179.8	23:17:03.7	10.1	V	Harris	4	1 x 1