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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1999 Sep 04/05
INT TAPE NR:           INTD 4170
OBSERVER:              M. Irwin, N. Walton + SNe
PROGRAMME:             WFS + M31
PATT/CAT:              WFS09
TELESCOPE OPERATOR:    M. Irwin
SUPPORT ASTRONOMER:    N. Walton

FOCUS:                 Prime
INSTRUMENT:            WFC
FILTER WHEEL (PF):     KP,g,r,i,z,U
CAMERA (IDS):          -
COLLIMATOR (IDS):      -
COLL. FOCUS (IDS):     -
GRATING (IDS):         -
DETECTOR:              EEV
PIXELS:                2048x4200
PIXEL SIZE (microns): 13.5
WINDOW:                Xstart=0, Xsize=2048, Ystart=0, Ysize=4200
BINNING:               in X=1, in Y=1

WEATHER:               Photometric but generally poor seeing and high humidity
OUTSIDE TEMP (deg C):    7              (FIRST HALF)
OUTSIDE TEMP (deg C):    5              (SECOND HALF)
HUMIDITY (%):           70              (FIRST HALF)
HUMIDITY (%):          100              (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):        1.8             (FIRST HALF)
SEEING (arcsec):        ---             (SECOND HALF)
AV. SEEING (arcsec):    1.8
NO. SEEING MEASURES:     6

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

DARK HOURS:            08:38
DOME OPEN (UTC):       19:50
MOON PHASE (D/G/B):        G
DK HRS LOST (WEATHER):06:00
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:

Seeing generally poor and variable all night.  Lost 40mins of twilight due to
CCD controller microcode problems.  Closed shortly after midnight due to
ridge cloud.

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Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments
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194374	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.107	179.7	20:34:13.4	0.0	U	RGO
194375	Focus run	18:42:45.00	+00:10:04.0	J2000.00	1.141	179.7	20:47:33.9	10.1	g	Sloan
194376	sa110-361 g	18:42:44.99	+00:08:03.9	J2000.00	1.139	179.7	20:55:34.6	10.1	g	Sloan
194377	sa110-361 i	18:42:45.00	+00:08:03.9	J2000.00	1.139	179.7	20:57:03.0	10.1	i	Sloan
194378	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.139	179.7	20:58:27.8	10.1	r	Sloan
194379	sa110-361 Z	18:42:45.00	+00:08:03.9	J2000.00	1.139	179.7	20:59:55.7	10.1	z	Gunn
194380	wfsj1637+4116_022	16:35:40.60	+40:56:00.0	J2000.00	1.160	179.7	21:05:28.4	599.5	z	Gunn
194381	wfsj1637+4116_023	16:35:40.20	+41:16:00.1	J2000.00	1.191	179.7	21:18:16.5	599.6	z	Gunn
194383	WFSJ1637+4116_024	16:35:39.80	+41:35:59.9	J2000.00	1.225	179.7	21:31:00.7	599.1	z	Gunn
194384	wfsj1637+4116_031	16:38:19.40	+40:56:00.0	J2000.00	1.259	179.7	21:45:21.5	599.4	z	Gunn
194385	wfsj1637+4116_032	16:38:19.80	+41:15:59.9	J2000.00	1.299	179.7	21:57:11.5	599.4	z	Gunn
194386	wfsj1637+4116_033	8:19:10.10	+20:47:59.9	J2000.00	1.343	179.7	22:09:00.8	599.5	z	Gunn
194387	sa110-361 g	18:42:45.00	+00:08:03.9	J2000.00	1.215	179.7	22:21:26.5	10.1	g	Sloan
194388	sa110-361 i	18:42:45.00	+00:08:03.9	J2000.00	1.218	179.7	22:22:52.7	9.6	i	Sloan
194389	sa110-361 r	18:42:44.99	+00:08:03.9	J2000.00	1.221	179.7	22:24:17.8	10.1	r	Sloan
194390	sa110-361 Z	18:42:44.99	+00:08:03.9	J2000.00	1.224	179.7	22:25:57.7	9.6	z	Gunn
194392	Focus run	23:10:00.00	+00:01:29.9	J2000.00	1.578	179.7	22:32:40.7	20.1	z	Gunn
194393	wfssgc036 g	23:09:59.99	-00:00:00.1	J2000.00	1.521	179.7	22:39:08.3	239.8	g	Sloan
194394	wfssgc037 g	23:12:00.00	-00:00:00.1	J2000.00	1.499	179.7	22:44:58.5	239.9	g	Sloan
194395	wfssgc038 g	23:14:00.00	+00:00:00.0	J2000.00	1.478	179.7	22:50:47.6	239.9	g	Sloan
194396	wfssgc039 g	23:15:59.99	+00:00:00.0	J2000.00	1.458	179.7	22:56:37.4	239.9	g	Sloan
194397	wfssgc040 g	23:18:00.00	+00:00:00.0	J2000.00	1.439	179.7	23:02:26.7	239.8	g	Sloan
194398	wfssgc036 g	23:10:00.00	+00:00:00.0	J2000.00	1.377	179.7	23:08:23.4	239.9	g	Sloan
194399	wfssgc037 g	23:12:00.00	+00:00:00.1	J2000.00	1.361	179.7	23:14:22.0	239.8	g	Sloan
194400	wfssgc038 g	23:14:00.00	+00:00:00.0	J2000.00	1.346	179.7	23:20:18.8	239.8	g	Sloan
194401	wfssgc039 g	23:15:59.99	-00:00:00.0	J2000.00	1.332	179.7	23:26:15.1	239.8	g	Sloan
194402	wfssgc040 g	23:17:59.99	+00:00:00.0	J2000.00	1.319	179.7	23:32:11.4	239.9	g	Sloan
194403	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	02:34:08.3	0.0	g	Sloan
194404	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	02:35:21.0	0.0	g	Sloan
194405	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	02:36:37.8	0.0	g	Sloan
194406	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	02:37:26.9	0.0	g	Sloan
194407	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	179.7	02:38:14.4	0.0	g	Sloan