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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1999 Sep 05/06
INT TAPE NR:           INTD 4171
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 and good seeing

OUTSIDE TEMP (deg C):    7             (FIRST HALF)
OUTSIDE TEMP (deg C):    7             (SECOND HALF)
HUMIDITY (%):           30             (FIRST HALF)
HUMIDITY (%):           30             (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):       1.2             (FIRST HALF)
SEEING (arcsec):       1.0             (SECOND HALF)
AV. SEEING (arcsec):   1.1
NO. SEEING MEASURES:   12

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):       D
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:00
DK HRS LOST (DOME):   00:00
DK HRS LOST (INSTR.): 00:15
DK HRS LOST (DET.):   00:00
DK HRS LOST (COMPS.): 00:15
DK HRS LOST (A&G):    00:00
DK HRS LOST (OTHER):  00:00

COMMENTS:

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

 194412 Bias frame            0:00:00.00 +00:00:00.0 A        1.000 179.7 15:20:57.7      0.0        r      Sloan
 194413 Bias frame            0:00:00.00 +00:00:00.0 A        1.000 179.7 15:21:47.9      0.0        r      Sloan
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194414	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	15:22:35.5	0.0	r	Sloan
194415	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	15:26:57.1	0.0	r	Sloan
194416	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	15:27:46.3	0.0	r	Sloan
194418	Flat field	15:40:00.00	+40:00:00.0	J2000.00	1.114	179.7	19:49:12.1	2.1	z	Gunn
194419	Flat field	15:40:03.48	+40:00:39.9	J2000.00	1.117	179.7	19:50:29.6	5.6	z	Gunn
194420	Flat field	15:40:06.09	+40:01:10.0	J2000.00	1.119	179.7	19:51:51.8	7.1	z	Gunn
194421	Flat field	15:40:06.09	+40:01:09.9	J2000.00	1.124	179.7	19:54:20.7	3.5	i	Sloan
194422	Flat field	15:40:03.48	+40:00:40.0	J2000.00	1.126	179.7	19:55:45.0	7.1	i	Sloan
194423	Flat field	15:40:01.74	+40:00:19.9	J2000.00	1.129	179.7	19:56:56.8	10.1	i	Sloan
194424	Flat field	15:40:01.74	+40:00:20.0	J2000.00	1.132	179.7	19:58:28.7	15.1	r	Sloan
194425	Flat field	15:40:04.78	+40:00:54.9	J2000.00	1.135	179.7	19:59:54.3	20.1	r	Sloan
194427	Flat field	15:40:06.09	+40:01:10.0	J2000.00	1.138	179.7	20:01:41.7	30.1	r	Sloan
194428	Focus run	18:42:45.00	+00:10:04.0	J2000.00	1.163	179.7	20:10:18.9	9.6	g	Sloan
194429	sa110-361 g	18:42:44.99	+00:08:04.0	J2000.00	1.158	179.7	20:14:56.4	10.1	g	Sloan
194430	sa110-361 i	18:42:44.99	+00:08:04.0	J2000.00	1.156	179.7	20:16:24.2	10.0	i	Sloan
194431	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.155	179.7	20:17:49.6	10.1	r	Sloan
194432	sa110-361 Z	18:42:45.00	+00:08:04.0	J2000.00	1.154	179.7	20:19:19.2	10.1	z	Gunn
194433	wfsj1637+4116_013	16:33:01.69	+40:56:00.2	J2000.00	1.101	179.7	20:27:29.7	599.3	r	Sloan
194434	wfsj1637+4116_014	16:33:00.49	+41:15:59.7	J2000.00	1.124	179.7	20:40:22.4	599.5	r	Sloan
194435	wfsj1637+4116_015	16:32:59.30	+41:35:59.8	J2000.00	1.148	179.7	20:52:17.7	599.5	r	Sloan
194436	wfsj2056-0437_001	20:55:22.50	-04:57:45.2	J2000.00	1.395	179.7	21:07:34.8	239.9	g	Sloan
194437	wfsj2056-0437_002	20:55:22.50	-04:37:44.7	J2000.00	1.368	179.7	21:13:26.3	239.9	g	Sloan
194438	wfsj2056-0437_003	20:55:22.49	-04:17:44.8	J2000.00	1.343	179.7	21:19:18.1	239.8	g	Sloan
194439	wfsj2056-0437_004	20:57:22.49	-04:57:45.1	J2000.00	1.343	179.7	21:25:09.5	239.8	g	Sloan
194440	wfsj2056-0437_005	20:57:22.50	-04:37:44.7	J2000.00	1.320	179.7	21:31:00.2	239.8	g	Sloan
194441	wfsj2056-0437_006	20:57:22.50	-04:17:44.6	J2000.00	1.300	179.7	21:36:55.6	239.9	g	Sloan
194443	wfsj2056-0437_001	20:55:22.50	-04:57:45.0	J2000.00	1.250	179.7	22:04:19.2	239.9	g	Sloan
194444	wfsj2056-0437_002	20:55:22.50	-04:37:44.9	J2000.00	1.235	179.7	22:11:09.6	240.0	g	Sloan
194445	wfsj2056-0437_003	20:55:22.49	-04:17:44.9	J2000.00	1.220	179.7	22:19:04.3	239.8	g	Sloan
194446	wfsj2056-0437_004	20:57:22.49	-04:57:45.1	J2000.00	1.224	179.7	22:25:38.3	239.9	g	Sloan
194447	wfsj2056-0437_005	20:57:22.50	-04:37:44.9	J2000.00	1.214	179.7	22:31:39.8	239.8	g	Sloan
194448	wfsj2056-0437_006	20:57:22.50	-04:17:44.8	J2000.00	1.204	179.7	22:37:58.3	239.9	g	Sloan
194449	sa113-163 g	21:42:34.99	+00:16:45.9	J2000.00	1.193	179.7	22:45:03.5	10.1	g	Sloan
194450	sa113-163 i	21:42:34.99	+00:16:46.0	J2000.00	1.191	179.7	22:46:31.3	10.1	i	Sloan
194451	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.189	179.7	22:47:56.5	10.1	r	Sloan
194453	sa113-163	21:42:34.99	+00:16:46.0	J2000.00	1.185	179.7	22:50:02.7	10.1	z	Gunn
194454	wfssgc026	22:50:00.00	-00:00:00.0	J2000.00	1.341	179.7	22:53:49.9	239.8	g	Sloan
194455	wfssgc027	22:52:00.00	+00:00:00.1	J2000.00	1.325	179.7	23:00:23.2	239.9	g	Sloan
194456	wfssgc028	22:54:00.00	-00:00:00.0	J2000.00	1.311	179.7	23:06:48.9	239.8	g	Sloan
194457	wfssgc029	22:56:00.00	-00:00:00.0	J2000.00	1.297	179.7	23:13:13.1	239.8	g	Sloan
194458	wfssgc030	22:57:59.99	+00:00:00.0	J2000.00	1.285	179.7	23:19:15.3	239.8	g	Sloan
194459	wfssgc026 g	22:50:00.00	+00:00:00.0	J2000.00	1.243	179.7	23:27:08.8	239.4	g	Sloan
194460	wfssgc027 g	22:52:00.00	+00:00:00.1	J2000.00	1.232	179.7	23:33:43.3	239.8	g	Sloan
194461	wfssgc028 g	22:54:00.00	-00:00:00.0	J2000.00	1.221	179.7	23:41:14.5	239.8	g	Sloan
194462	wfssgc029 g	22:56:00.00	-00:00:00.0	J2000.00	1.211	179.7	23:48:26.9	239.9	g	Sloan
194463	wfssgc030 g	22:58:00.00	+00:00:00.0	J2000.00	1.203	179.7	23:54:31.0	239.8	g	Sloan
194464	wfssgc051 g	23:39:59.99	-00:00:00.1	J2000.00	1.284	179.7	00:01:22.0	239.9	g	Sloan
194465	wfssgc052 g	23:41:59.99	-00:00:00.0	J2000.00	1.273	179.7	00:07:13.8	239.8	g	Sloan
194466	wfssgc053 g	23:44:00.00	-00:00:00.1	J2000.00	1.242	179.7	00:21:11.3	239.9	g	Sloan
194467	wfssgc054 g	23:46:00.00	-00:00:00.1	J2000.00	1.234	179.7	00:27:02.4	239.8	g	Sloan
194468	wfssgc055	23:47:59.99	-00:00:00.0	J2000.00	1.195	179.7	00:48:55.4	239.9	g	Sloan
194469	wfssgc051	23:40:00.00	+00:00:00.0	J2000.00	1.174	179.7	00:55:52.1	239.8	g	Sloan
194470	wfssgc052	23:41:59.99	+00:00:00.0	J2000.00	1.168	179.7	01:03:08.7	239.8	g	Sloan
194471	wfssgc053 g	23:44:00.00	+00:00:00.0	J2000.00	1.163	179.7	01:09:30.2	239.9	g	Sloan
194472	wfssgc054 g	23:46:00.00	-00:00:00.0	J2000.00	1.159	179.7	01:15:38.3	239.9	g	Sloan
194473	wfssgc055 g	23:47:59.99	+00:00:00.0	J2000.00	1.155	179.7	01:21:47.2	239.8	g	Sloan
194474	wfssgc031 verf	23:00:00.00	+00:00:00.1	J2000.00	1.145	179.7	01:28:29.9	599.4	g	Sloan
194475	wfssgc033 verf	23:03:59.99	+00:00:00.1	J2000.00	1.150	179.7	01:40:30.4	599.5	g	Sloan
194476	wfssgc084 verf	0:45:59.99	-00:00:00.1	J2000.00	1.182	179.7	01:52:32.0	599.5	g	Sloan
194477	wfssgc061 g	12:00:00.00	+00:00:00.0	J2000.00	1.141	179.7	02:05:54.4	239.9	g	Sloan
194478	wfssgc062 g	0:02:00.00	+00:00:00.3	J2000.00	1.140	179.7	02:11:51.3	239.8	g	Sloan
194479	wfssgc063 g	0:04:00.00	+00:00:00.1	J2000.00	1.141	179.7	02:18:07.7	239.7	g	Sloan

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194480 wfssgc064 g          0:06:00.00 +00:00:00.2 J2000.00 1.141 179.7 02:24:03.5    239.3       g      Sloan
194481 wfssgc065 g          0:08:00.00 +00:00:00.0 J2000.00 1.142 179.7 02:30:00.3    239.9       g      Sloan
194482 wfssgc061 g         23:59:59.99 +00:00:00.1 J2000.00 1.148 179.7 02:36:02.5    239.4       g      Sloan
194483 wfssgc062 g          0:01:59.99 -00:00:00.1 J2000.00 1.150 179.7 02:42:10.7    239.9       g      Sloan
194484 wfssgc063 g          0:04:00.00 +00:00:00.0 J2000.00 1.153 179.7 02:48:21.2    239.8       g      Sloan
194485 wfssgc064 g          0:06:00.00 +00:00:00.0 J2000.00 1.156 179.7 02:54:24.2    239.9       g      Sloan
194486 wfssgc065 g          0:07:59.99 +00:00:00.0 J2000.00 1.160 179.7 03:00:26.6    238.2       g      Sloan
194487 wfssgc071 g          0:20:00.00 -00:00:00.0 J2000.00 1.156 179.7 03:08:03.0    239.8       g      Sloan
194488 wfssgc072 g          0:22:00.00 +00:00:00.0 J2000.00 1.159 179.7 03:13:58.9    239.9       g      Sloan  slight trail vf guide
194489 wfssgc073 g          0:24:00.00 +00:00:00.1 J2000.00 1.163 179.7 03:19:55.7    239.2       g      Sloan
194490 wfssgc074 g          0:25:59.99 +00:00:00.1 J2000.00 1.168 179.7 03:26:06.8    239.9       g      Sloan
194491 wfssgc075 g          0:27:59.99 +00:00:00.0 J2000.00 1.173 179.7 03:32:16.2    240.0       g      Sloan
194492 wfssgc071 g          0:20:00.00 +00:00:00.0 J2000.00 1.193 179.7 03:38:26.0    239.9       g      Sloan
194493 wfssgc072 g          0:21:59.99 +00:00:00.0 J2000.00 1.200 179.7 03:44:38.5    239.9       g      Sloan
194494 wfssgc073 g          0:24:00.00 +00:00:00.1 J2000.00 1.207 179.7 03:50:41.5    239.9       g      Sloan
194495 wfssgc074 g          0:26:00.00 +00:00:00.0 J2000.00 1.214 179.7 03:56:44.9    239.8       g      Sloan
194496 wfssgc075 g          0:28:00.00 -00:00:00.1 J2000.00 1.223 179.7 04:02:56.7    239.8       g      Sloan
194497 sa92-335 g           0:55:00.00 +00:44:12.9 J2000.00 1.174 179.7 04:08:51.0      9.6       g      Sloan
194498 sa92-335 i           0:55:00.00 +00:44:13.0 J2000.00 1.177 179.7 04:10:19.9     10.1       i      Sloan
194499 sa92-335 r           0:55:00.00 +00:44:12.9 J2000.00 1.179 179.7 04:11:46.2     10.1       r      Sloan
194500 sa92-335 Z           0:54:59.99 +00:44:13.0 J2000.00 1.181 179.7 04:13:19.6     10.1       z       Gunn
194501 M31-microfld1        0:43:59.99 +41:34:00.0 J2000.00 1.075 179.7 04:18:41.9    359.7       r      Sloan
194502 M31-microfld1        0:43:59.99 +41:33:59.9 J2000.00 1.085 179.7 04:26:10.4    359.8       r      Sloan
194503 M31-microfld1        0:44:00.00 +41:33:59.9 J2000.00 1.095 179.7 04:33:51.2    359.7       g      Sloan
194504 M31-microfld1        0:44:00.00 +41:33:59.9 J2000.00 1.106 179.7 04:40:54.3    359.8       g      Sloan
194505 M31-microfld2        0:43:09.99 +40:58:14.9 J2000.00 1.122 179.7 04:50:35.9    359.7       r      Sloan
194506 M31-microfld2        0:43:10.00 +40:58:15.0 J2000.00 1.135 179.7 04:57:40.6    359.2       r      Sloan
194507 M31-microfld2        0:43:10.00 +40:58:14.9 J2000.00 1.150 179.7 05:05:04.3    359.7       g      Sloan
194508 M31-microfld2        0:43:10.00 +40:58:14.9 J2000.00 1.165 179.7 05:12:09.1    359.7       g      Sloan
194509 wfssgc118            1:54:00.00 -00:00:00.0 J2000.00 1.218 179.7 05:23:22.2    599.5       z       Gunn
194510 sa92-335 g           0:55:00.00 +00:44:12.9 J2000.00 1.423 179.7 05:36:42.1     10.1       g      Sloan
194511 sa92-335 i           0:54:59.99 +00:44:12.9 J2000.00 1.430 179.7 05:38:12.4     10.1       i      Sloan
194512 sa92-335 r           0:55:00.00 +00:44:13.1 J2000.00 1.438 179.7 05:39:49.0     10.1       r      Sloan
194513 sa92-335 Z           0:54:59.99 +00:44:13.0 J2000.00 1.445 179.7 05:41:19.7     10.1       z       Gunn
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