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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1999 Apr 15/16
INT TAPE NR:           INTD4023
OBSERVER:              N. Walton, G. Blanc
PROGRAMME:             WFS 09
PATT/CAT:              WFS 09
TELESCOPE OPERATOR:    C. Martin
SUPPORT ASTRONOMER:    N. Walton

FOCUS:                 PRIME
INSTRUMENT:            WFC
FILTER WHEEL (PF):     U,V,Z,r,KP,i
CAMERA (IDS):          ---
COLLIMATOR (IDS):      ---
COLL. FOCUS (IDS):     ---
GRATING (IDS):         ---
DETECTOR:              4xEEV
PIXELS:                2K x 4K
PIXEL SIZE (microns):  13.5
WINDOW:                none
BINNING:               none

WEATHER:               BAD, High Humidity
OUTSIDE TEMP (deg C):    0        (FIRST HALF)
OUTSIDE TEMP (deg C):   1.5       (SECOND HALF)
HUMIDITY (%):           85        (FIRST HALF)
HUMIDITY (%):           75        (SECOND HALF)
CLOUD COVER (%):        20        (FIRST HALF)
CLOUD COVER (%):         -        (SECOND HALF)
DUST (0 - 2):            0        (FIRST HALF)
DUST (0 - 2):            0        (SECOND HALF)
SEEING (arcsec):         -        (FIRST HALF)
SEEING (arcsec):         2.5      (SECOND HALF)
AV. SEEING (arcsec):
NO. SEEING MEASURES:     -

UTC    TELESCOPE                 CASELLA OUT   CASELLA IN    SEEING
       AZ   EL  Focus  TComp     Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:            08:24
DOME OPEN (UTC):       19:45
MOON PHASE (D/G/B):        D
DK HRS LOST (WEATHER):06.04
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.): 00:20
DK HRS LOST (A&G):    00:00
DK HRS LOST (OTHER):  00:00

COMMENTS:
Bad weather high humidity and bad seeing
obs system looses link to TCS may times tonight, we lost more than 20' but was
cloudy.



Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments
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159675	Bias frame	0:00:00.00	+00:00:00.0	A	1.536	179.8	13:43:15.1	0.0	V	Harris	1	1 x 1
159676	Bias frame	0:00:00.00	+00:00:00.0	A	1.536	179.8	13:43:15.1	0.0	V	Harris	5	1 x 1
159677	Bias frame	0:00:00.00	+00:00:00.0	A	1.536	179.8	13:43:15.1	0.0	V	Harris	3	1 x 1
159678	Bias frame	0:00:00.00	+00:00:00.0	A	1.536	179.8	13:43:15.1	0.0	V	Harris	4	1 x 1
159679	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:42:16.0	0.0	U	RGO	1	1 x 1
159680	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:42:16.0	0.0	U	RGO	5	1 x 1
159681	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:42:16.0	0.0	U	RGO	3	1 x 1
159682	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:42:16.0	0.0	U	RGO	4	1 x 1
159683	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:45:13.7	0.0	U	RGO	1	1 x 1
159684	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:45:13.7	0.0	U	RGO	5	1 x 1
159685	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:45:13.7	0.0	U	RGO	3	1 x 1
159686	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:45:13.7	0.0	U	RGO	4	1 x 1
159687	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:48:07.6	0.0	U	RGO	1	1 x 1
159688	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:48:07.6	0.0	U	RGO	5	1 x 1
159689	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:48:07.6	0.0	U	RGO	3	1 x 1
159690	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:48:07.6	0.0	U	RGO	4	1 x 1
159691	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:50:60.0	0.0	U	RGO	1	1 x 1
159692	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:50:60.0	0.0	U	RGO	5	1 x 1
159693	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:50:60.0	0.0	U	RGO	3	1 x 1
159694	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:50:60.0	0.0	U	RGO	4	1 x 1
159695	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:54:05.9	0.0	U	RGO	1	1 x 1
159696	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:54:05.9	0.0	U	RGO	5	1 x 1
159697	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:54:05.9	0.0	U	RGO	3	1 x 1
159698	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:54:05.9	0.0	U	RGO	4	1 x 1
159699	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:57:08.1	0.0	U	RGO	1	1 x 1
159700	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:57:08.1	0.0	U	RGO	5	1 x 1
159701	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:57:08.1	0.0	U	RGO	3	1 x 1
159702	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:57:08.1	0.0	U	RGO	4	1 x 1
159703	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:59:58.8	0.0	U	RGO	1	1 x 1
159704	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:59:58.8	0.0	U	RGO	5	1 x 1
159705	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:59:58.8	0.0	U	RGO	3	1 x 1
159706	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	16:59:58.8	0.0	U	RGO	4	1 x 1
159707	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:03:01.2	0.0	U	RGO	1	1 x 1
159708	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:03:01.2	0.0	U	RGO	5	1 x 1
159709	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:03:01.2	0.0	U	RGO	3	1 x 1
159710	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:03:01.2	0.0	U	RGO	4	1 x 1
159711	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:05:52.8	0.0	U	RGO	1	1 x 1
159712	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:05:52.8	0.0	U	RGO	5	1 x 1
159713	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:05:52.8	0.0	U	RGO	3	1 x 1
159714	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:05:52.8	0.0	U	RGO	4	1 x 1
159715	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:08:40.9	0.0	U	RGO	1	1 x 1
159716	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:08:40.9	0.0	U	RGO	5	1 x 1
159717	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:08:40.9	0.0	U	RGO	3	1 x 1
159718	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:08:40.9	0.0	U	RGO	4	1 x 1
159719	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:11:35.7	0.0	U	RGO	1	1 x 1
159720	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:11:35.7	0.0	U	RGO	5	1 x 1
159721	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:11:35.7	0.0	U	RGO	3	1 x 1
159722	Bias frame	0:00:00.00	+00:00:00.0	A	1.495	179.8	17:11:35.7	0.0	U	RGO	4	1 x 1
159723	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.549	179.7	20:08:01.6	5.6	B	Kitt Peak	1	1 x 1
159724	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.549	179.7	20:08:01.6	5.6	B	Kitt Peak	5	1 x 1
159725	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.549	179.7	20:08:01.6	5.6	B	Kitt Peak	3	1 x 1
159726	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.549	179.7	20:08:01.6	5.6	B	Kitt Peak	4	1 x 1
159727	Flat field	4:25:46.57	+54:09:07.9	B1950.00	1.565	179.7	20:11:22.8	12.7	B	Kitt Peak	1	1 x 1
159728	Flat field	4:25:46.57	+54:09:07.9	B1950.00	1.565	179.7	20:11:22.8	12.7	B	Kitt Peak	5	1 x 1
159729	Flat field	4:25:46.57	+54:09:07.9	B1950.00	1.565	179.7	20:11:22.8	12.7	B	Kitt Peak	3	1 x 1
159730	Flat field	4:25:46.57	+54:09:07.9	B1950.00	1.565	179.7	20:11:22.8	12.7	B	Kitt Peak	4	1 x 1
159731	Flat field	4:25:39.74	+54:09:07.8	B1950.00	1.585	179.7	20:15:10.4	30.4	B	Kitt Peak	1	1 x 1
159732	Flat field	4:25:39.74	+54:09:07.8	B1950.00	1.585	179.7	20:15:10.4	30.4	B	Kitt Peak	5	1 x 1
159733	Flat field	4:25:39.74	+54:09:07.8	B1950.00	1.585	179.7	20:15:10.4	30.4	B	Kitt Peak	3	1 x 1
159734	Flat field	4:25:39.74	+54:09:07.8	B1950.00	1.585	179.7	20:15:10.4	30.4	B	Kitt Peak	4	1 x 1
159735	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.613	179.7	20:19:41.4	144.8	r	SLOAN	1	1 x 1
159736	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.613	179.7	20:19:41.4	144.8	r	SLOAN	5	1 x 1

159737	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.613	179.7	20:19:41.4	144.8	r	SLOAN	3	1 x 1
159738	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.613	179.7	20:19:41.4	144.8	r	SLOAN	4	1 x 1
159739	Bias frame	0:00:00.00	+00:00:00.0	A	3.632	179.7	01:13:28.1	0.0	r	Sloan	1	1 x 1
159740	Bias frame	0:00:00.00	+00:00:00.0	A	3.632	179.7	01:13:28.1	0.0	r	Sloan	5	1 x 1
159741	Bias frame	0:00:00.00	+00:00:00.0	A	3.632	179.7	01:13:28.1	0.0	r	Sloan	3	1 x 1
159742	Bias frame	0:00:00.00	+00:00:00.0	A	3.632	179.7	01:13:28.1	0.0	r	Sloan	4	1 x 1
159743	Bias frame	0:00:00.00	+00:00:00.0	A	1.677	179.7	01:16:19.4	0.0	r	Sloan	1	1 x 1
159744	Bias frame	0:00:00.00	+00:00:00.0	A	1.677	179.7	01:16:19.4	0.0	r	Sloan	5	1 x 1
159745	Bias frame	0:00:00.00	+00:00:00.0	A	1.677	179.7	01:16:19.4	0.0	r	Sloan	3	1 x 1
159746	Bias frame	0:00:00.00	+00:00:00.0	A	1.677	179.7	01:16:19.4	0.0	r	Sloan	4	1 x 1
159747	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.677	179.7	01:19:10.7	0.0	r	Sloan	1	1 x 1
159748	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.677	179.7	01:19:10.7	0.0	r	Sloan	5	1 x 1
159749	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.677	179.7	01:19:10.7	0.0	r	Sloan	3	1 x 1
159750	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.677	179.7	01:19:10.7	0.0	r	Sloan	4	1 x 1
159751	Focus run	15:39:19.00	-00:13:43.9	J2000.00	1.264	179.7	01:36:20.1	10.1	r	Sloan	1	1 x 1
159752	Focus run	15:39:19.00	-00:13:43.9	J2000.00	1.264	179.7	01:36:20.1	10.1	r	Sloan	5	1 x 1
159753	Focus run	15:39:19.00	-00:13:43.9	J2000.00	1.264	179.7	01:36:20.1	10.1	r	Sloan	3	1 x 1
159754	Focus run	15:39:19.00	-00:13:43.9	J2000.00	1.264	179.7	01:36:20.1	10.1	r	Sloan	4	1 x 1
159755	sa107-602 r' 10s	15:39:19.00	-00:15:28.9	J2000.00	1.244	179.7	01:42:40.9	10.1	r	Sloan	1	1 x 1
159756	sa107-602 r' 10s	15:39:19.00	-00:15:28.9	J2000.00	1.244	179.7	01:42:40.9	10.1	r	Sloan	5	1 x 1
159757	sa107-602 r' 10s	15:39:19.00	-00:15:28.9	J2000.00	1.244	179.7	01:42:40.9	10.1	r	Sloan	3	1 x 1
159758	sa107-602 r' 10s	15:39:19.00	-00:15:28.9	J2000.00	1.244	179.7	01:42:40.9	10.1	r	Sloan	4	1 x 1
159759	wfsngc083 r 1st	12:43:59.99	-00:00:00.0	J2000.00	1.253	179.7	01:53:18.5	599.4	r	Sloan	1	1 x 1
159760	wfsngc083 r 1st	12:43:59.99	-00:00:00.0	J2000.00	1.253	179.7	01:53:18.5	599.4	r	Sloan	5	1 x 1
159761	wfsngc083 r 1st	12:43:59.99	-00:00:00.0	J2000.00	1.253	179.7	01:53:18.5	599.4	r	Sloan	3	1 x 1
159762	wfsngc083 r 1st	12:43:59.99	-00:00:00.0	J2000.00	1.253	179.7	01:53:18.5	599.4	r	Sloan	4	1 x 1
159763	wfsngc085 r'	12:48:00.00	+00:00:00.1	J2000.00	1.305	179.7	02:17:32.8	399.7	r	Sloan	1	1 x 1
159764	wfsngc085 r'	12:48:00.00	+00:00:00.1	J2000.00	1.305	179.7	02:17:32.8	399.7	r	Sloan	5	1 x 1
159765	wfsngc085 r'	12:48:00.00	+00:00:00.1	J2000.00	1.305	179.7	02:17:32.8	399.7	r	Sloan	3	1 x 1
159766	wfsngc085 r'	12:48:00.00	+00:00:00.1	J2000.00	1.305	179.7	02:17:32.8	399.7	r	Sloan	4	1 x 1
159767	wfsngc086 r'						02:28:56.8	399.7	r	Sloan	1	1 x 1
159768	wfsngc086 r'						02:28:56.8	399.7	r	Sloan	5	1 x 1
159769	wfsngc086 r'						02:28:56.8	399.7	r	Sloan	3	1 x 1
159770	wfsngc086 r'						02:28:56.8	399.7	r	Sloan	4	1 x 1
159771	wfsngc083 r' 2nd	12:43:59.99	-00:00:00.0	J2000.00	1.613	179.7	03:15:21.6	599.2	r	SLOAN	1	1 x 1
159772	wfsngc083 r' 2nd	12:43:59.99	-00:00:00.0	J2000.00	1.613	179.7	03:15:21.6	599.2	r	SLOAN	5	1 x 1
159773	wfsngc083 r' 2nd	12:43:59.99	-00:00:00.0	J2000.00	1.613	179.7	03:15:21.6	599.2	r	SLOAN	3	1 x 1
159774	wfsngc083 r' 2nd	12:43:59.99	-00:00:00.0	J2000.00	1.613	179.7	03:15:21.6	599.2	r	SLOAN	4	1 x 1
159775	wfsngc126 r'	14:10:00.00	-00:00:00.0	J2000.00	1.279	179.7	03:31:10.2	399.7	r	SLOAN	1	1 x 1
159776	wfsngc126 r'	14:10:00.00	-00:00:00.0	J2000.00	1.279	179.7	03:31:10.2	399.7	r	SLOAN	5	1 x 1
159777	wfsngc126 r'	14:10:00.00	-00:00:00.0	J2000.00	1.279	179.7	03:31:10.2	399.7	r	SLOAN	3	1 x 1
159778	wfsngc126 r'	14:10:00.00	-00:00:00.0	J2000.00	1.279	179.7	03:31:10.2	399.7	r	SLOAN	4	1 x 1
159779	wfsngc127 r'	14:12:00.00	-00:00:00.0	J2000.00	1.310	179.7	03:42:40.3	399.6	r	SLOAN	1	1 x 1
159780	wfsngc127 r'	14:12:00.00	-00:00:00.0	J2000.00	1.310	179.7	03:42:40.3	399.6	r	SLOAN	5	1 x 1
159781	wfsngc127 r'	14:12:00.00	-00:00:00.0	J2000.00	1.310	179.7	03:42:40.3	399.6	r	SLOAN	3	1 x 1
159782	wfsngc127 r'	14:12:00.00	-00:00:00.0	J2000.00	1.310	179.7	03:42:40.3	399.6	r	SLOAN	4	1 x 1
159791	wfsngc128 r'	14:14:00.00	-00:00:00.0	J2000.00	1.386	179.7	04:05:19.6	399.1	r	SLOAN	1	1 x 1
159792	wfsngc128 r'	14:14:00.00	-00:00:00.0	J2000.00	1.386	179.7	04:05:19.6	399.1	r	SLOAN	5	1 x 1
159793	wfsngc128 r'	14:14:00.00	-00:00:00.0	J2000.00	1.386	179.7	04:05:19.6	399.1	r	SLOAN	3	1 x 1
159794	wfsngc128 r'	14:14:00.00	-00:00:00.0	J2000.00	1.386	179.7	04:05:19.6	399.1	r	SLOAN	4	1 x 1