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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:              INT
DATE:                   1998 DEC 21/22
INT TAPE NR:            INTD3904/05/06
OBSERVER:               N. Walton
PROGRAMME:              WFC Survey
PATT/CAT:               WFS 9
TELESCOPE OPERATOR:     P. Sorensen
SUPPORT ASTRONOMER:     N. Walton

FOCUS:                  PRIME
INSTRUMENT:             WFC
FILTER WHEEL (PF):      I, U, R, V, Z, B
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:                 fair
OUTSIDE TEMP (deg C):    4.0              (FIRST HALF)
OUTSIDE TEMP (deg C):    0.5              (SECOND HALF)
HUMIDITY (%):            20               (FIRST HALF)
HUMIDITY (%):            95               (SECOND HALF)
CLOUD COVER (%):         10               (FIRST HALF)
CLOUD COVER (%):         10               (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   EL  Focus  TComp     Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:             10:53
DOME OPEN (UTC):        18:30
MOON PHASE (D/G/B):         D
DK HRS LOST (WEATHER):01:00
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:
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
140705	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	4.370	179.8	14:00:37.3	0.0	z	Gunn	1	1 x 1	
140709	Unspecified object	0:00:00.00	+00:00:00.0	B1950.00	4.370	179.8	14:09:04.6	5.1	I	INT-WFC	1	1 x 1	
140713	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.466	179.8	15:19:25.2	0.0	U	RGO	1	1 x 1	
140717	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.466	179.8	15:22:05.0	0.0	U	RGO	1	1 x 1	
140721	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.466	179.8	15:24:44.8	0.0	U	RGO	1	1 x 1	
140725	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.466	179.8	15:27:20.8	0.0	U	RGO	1	1 x 1	

140729	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.466	179.8	15:29:57.2	0.0	U	RGO	1	1 x 1	
140733	dome R 2s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:13:35.3	2.1	R	Harris	1	1 x 1	
140737	dome R 6s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:22:59.3	2.1	R	Harris	1	1 x 1	
140741	dome R 6s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:25:45.1	6.1	R	Harris	1	1 x 1	
140745	dome R 6s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:32:26.7	5.6	R	Harris	1	1 x 1	
140749	dome R 6s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:35:15.3	6.1	R	Harris	1	1 x 1	
140753	dome R 6s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:38:02.8	6.1	R	Harris	1	1 x 1	
140757	dome R 6s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:40:52.7	6.1	R	Harris	1	1 x 1	
140761	dome Z 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:44:42.4	5.1	z	Gunn	1	1 x 1	
140765	dome I 6s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:51:36.1	6.1	I	INT-WFC	1	1 x 1	
140769	dome I 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:56:44.7	5.1	I	INT-WFC	1	1 x 1	
140773	dome I 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	16:59:32.1	5.1	I	INT-WFC	1	1 x 1	
140777	dome I 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:02:21.4	5.1	I	INT-WFC	1	1 x 1	
140781	dome I 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:05:08.6	5.1	I	INT-WFC	1	1 x 1	
140785	dome I 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:07:55.9	5.1	I	INT-WFC	1	1 x 1	
140789	dome I 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:10:43.5	5.1	I	INT-WFC	1	1 x 1	
140793	dome I 5s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:13:30.7	5.1	I	INT-WFC	1	1 x 1	
140797	dome Z 10s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:16:29.3	10.1	z	Gunn	1	1 x 1	
140801	dome Z 10s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:19:21.8	10.1	z	Gunn	1	1 x 1	
140805	dome Z 10s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:22:16.6	10.1	z	Gunn	1	1 x 1	
140809	dome Z 10s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:25:10.4	10.1	z	Gunn	1	1 x 1	
140813	dome Z 10s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:27:59.6	9.6	z	Gunn	1	1 x 1	
140817	dome Z 10s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:30:51.9	10.1	z	Gunn	1	1 x 1	
140821	dome Z 10s	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	17:33:44.6	10.2	z	Gunn	1	1 x 1	
140825	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	18:15:12.2	0.0	z	Gunn	1	1 x 1	slow read, quick
140829	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	18:18:04.0	0.0	B	Kitt Peak	1	1 x 1	
140833	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	18:20:54.5	0.0	U	RGO	1	1 x 1	
140837	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	18:23:45.8	0.0	U	RGO	1	1 x 1	
140841	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.129	179.8	18:26:36.0	0.0	U	RGO	1	1 x 1	
140845	Flat field	20:00:00.00	+24:59:59.9	A	1.462	179.8	18:42:22.5	3.8	U	RGO	1	1 x 1	
140849	Flat field	19:59:59.26	+25:00:00.0	A	1.482	179.8	18:45:42.2	7.5	U	RGO	1	1 x 1	
140853	Flat field	19:59:59.25	+25:00:19.9	A	1.505	179.8	18:49:09.7	17.2	U	RGO	1	1 x 1	
140857	Flat field	19:59:59.99	+25:00:10.0	A	1.531	179.8	18:52:53.7	52.5	z	Gunn	1	1 x 1	
140861	Flat field	20:00:01.46	+25:00:10.1	A	1.561	179.8	18:57:23.1	40.0	I	INT-WFC	1	1 x 1	
140881	Focus run	0:55:00.00	+00:45:57.8	J2000.00	1.149	179.8	19:28:00.6	5.1	z	Gunn	1	1 x 1	
140885	sa92-335 I 40s	0:55:00.00	+00:44:13.0	J2000.00	1.142	179.8	19:35:45.2	40.1	I	INT-WFC	1	1 x 1	
140889	sa92-335 Z 40s	0:54:59.99	+00:44:12.9	J2000.00	1.140	179.8	19:39:29.0	40.1	z	Gunn	1	1 x 1	
140893	sa92-335 Z 20s	0:54:59.33	+00:44:02.9	J2000.00	1.138	179.8	19:43:07.7	19.6	z	Gunn	1	1 x 1	
140897	sa92-335 I 20s	0:54:59.33	+00:44:03.0	J2000.00	1.137	179.8	19:46:30.9	20.1	I	INT-WFC	1	1 x 1	
140901	F_01 Z 600s	23:42:00.00	+26:59:59.7	J2000.00	1.080	179.8	20:28:11.1	599.5	z	Gunn	1	1 x 1	
140905	F_02 Z 600s	23:44:00.00	+27:00:00.1	J2000.00	1.102	179.8	20:42:05.5	599.4	z	Gunn	1	1 x 1	
140909	F_03 Z 600s	23:45:59.99	+27:00:00.1	J2000.00	1.127	179.8	20:56:12.0	599.5	z	Gunn	1	1 x 1	
140913	wfsj0347+2400-iz05	3:46:48.87	+23:29:54.0	J2000.00	1.080	179.8	21:11:16.4	1198.7	z	Gunn	1	1 x 1	
140917	wfsj0347+2400-iz05	3:46:48.87	+23:29:54.0	J2000.00	1.053	179.8	21:34:19.5	599.4	I	INT-WFC	1	1 x 1	
140921	wfsj0347+2400-iz06	3:47:55.99	+23:14:43.3	J2000.00	1.037	179.8	21:49:33.3	599.4	I	INT-WFC	1	1 x 1	
140925	wfsj0347+2400-iz06	3:47:55.99	+23:14:43.2	J2000.00	1.021	179.8	22:02:36.2	1198.8	z	Gunn	1	1 x 1	
140929	wfsj0347+2400-iz07	3:44:46.56	+23:32:12.8	J2000.00	1.007	179.8	22:27:24.6	1198.9	z	Gunn	1	1 x 1	
140933	wfsj0347+2400-iz07	3:44:46.56	+23:32:12.8	J2000.00	1.004	179.8	22:50:27.9	599.4	I	INT-WFC	1	1 x 1	
140937	wfsj0347+2400-iz08	3:43:34.08	+24:15:43.9	J2000.00	1.007	179.8	23:04:29.7	1198.9	z	Gunn	1	1 x 1	
140941	wfsj0347+2400-iz08	3:43:34.08	+24:15:43.9	J2000.00	1.015	179.8	23:27:33.3	599.0	I	INT-WFC	1	1 x 1	
140945	wfsj0347+2400-iz09	3:41:26.96	+24:15:58.7	J2000.00	1.032	179.8	23:41:54.8	1198.8	z	Gunn	1	1 x 1	
140949	wfsj0347+2400-iz09	3:41:26.97	+24:15:58.7	J2000.00	1.052	179.8	00:04:58.7	599.4	I	INT-WFC	1	1 x 1	
140953	wfsj0347+2400-iz09	3:41:26.97	+24:15:58.8	J2000.00	1.079	179.8	00:18:01.6	1198.7	z	Gunn	1	1 x 1	
140957	wfsj0347+2400-iz09	3:41:26.97	+24:15:58.7	J2000.00	1.112	179.8	00:41:04.7	599.0	I	INT-WFC	1	1 x 1	
140961	wfsj0347+2400-iz10	3:43:07.93	+23:58:38.1	J2000.00	1.153	179.8	00:54:49.9	1198.8	z	Gunn	1	1 x 1	
140965	wfsj0347+2400-iz10	3:43:07.94	+23:58:38.0	J2000.00	1.203	179.8	01:17:54.3	599.1	I	INT-WFC	1	1 x 1	
140969	wfsj0347+2400-iz10	3:43:07.93	+23:58:38.1	J2000.00	1.265	179.8	01:30:58.1	1198.8	z	Gunn	1	1 x 1	
140973	wfsj0347+2400-iz10	3:43:07.94	+23:58:38.0	J2000.00	1.339	179.8	01:54:01.8	599.5	I	INT-WFC	1	1 x 1	
140977	wfsj0347+2400-iz11	3:42:44.26	+23:38:14.0	J2000.00	1.437	179.8	02:07:27.9	1198.8	z	Gunn	1	1 x 1	
140981	wfsj0347+2400-iz11	3:42:44.25	+23:38:14.0	J2000.00	1.550	179.8	02:30:30.8	599.5	I	INT-WFC	1	1 x 1	
140985	Bias frame	3:42:44.25	+23:38:14.2	J2000.00	1.607	179.8	02:43:25.3	0.0	I	INT-WFC	1	1 x 1	
140989	sa101-427	9:57:26.00	-00:17:15.9	J2000.00	1.392	179.8	02:47:42.5	40.1	I	INT-WFC	1	1 x 1	

140993	sa101-427 Z 40s	9:57:25.99	-00:17:16.0	J2000.00	1.376	179.8	02:51:26.5	39.6	z	Gunn	1	1 x 1
140997	Focus run	9:57:26.00	-00:15:01.0	J2000.00	1.349	179.8	03:00:17.6	10.1	z	Gunn	1	1 x 1
141001	Focus run	9:57:26.00	-00:12:46.0	J2000.00	1.315	179.8	03:10:02.7	10.1	z	Gunn	1	1 x 1
141005	wfsj0801+4019_024	8:00:22.90	+40:38:59.9	J2000.00	1.023	179.8	03:19:42.7	599.5	R	Harris	1	1 x 1
141009	wfsj0801+4019_0311	8:03:00.30	+39:58:59.8	J2000.00	1.025	179.8	03:36:55.0	599.6	U	RGO	1	1 x 1
141013	wfsj0801+4019_0311	8:03:00.30	+39:58:59.9	J2000.00	1.032	179.8	03:49:58.9	599.5	B	Kitt Peak	1	1 x 1
141017	wfsj0801+4019_0311	8:03:00.30	+39:59:00.0	J2000.00	1.040	179.8	04:03:02.9	599.4	V	Harris	1	1 x 1
141021	wfsj0801+4019_0311	8:03:00.30	+39:58:59.9	J2000.00	1.052	179.8	04:16:04.4	599.4	R	Harris	1	1 x 1
141025	wfsj0801+4019_0311	8:03:00.29	+39:59:00.0	J2000.00	1.065	179.8	04:29:08.2	599.4	z	Gunn	1	1 x 1
141029	Bias frame	8:03:00.29	+39:59:00.0	J2000.00	1.088	179.8	04:51:26.6	0.0	U	RGO	1	1 x 1
141033	Bias frame	8:03:00.30	+39:58:59.9	J2000.00	1.092	179.8	04:54:17.6	0.0	U	RGO	1	1 x 1
141037	Bias frame	8:03:00.30	+39:59:00.0	J2000.00	1.097	179.8	04:57:08.6	0.0	U	RGO	1	1 x 1
141045	wfsj0801+4019_031	8:03:00.30	+39:58:59.9	J2000.00	1.266	179.8	06:04:31.4	599.5	B	Kitt Peak	1	1 x 1
141062	wfsj0801+4019_031	8:03:00.30	+39:58:59.9	J2000.00	1.397	179.8	06:38:20.2	599.5	U	RGO	1	1 x 1
141066	wfsj0801+4019_031	4:01:30.15	+19:59:30.1	J2000.00	1.416	179.8	06:51:26.1	599.4	B	Kitt Peak	1	1 x 1