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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:              INT
DATE:                   1998 SEP 02/03
INT TAPE NR:            INTD 3780/1
OBSERVER:               P. Bunclark
PROGRAMME:              Cambridge WFC Survey
PATT/CAT:               WFS
TELESCOPE OPERATOR:     M. Azzaro
SUPPORT ASTRONOMER:     -

FOCUS:                  Prime
INSTRUMENT:             WFC
FILTER WHEEL (PF):      U,Z,V,B(KP),R,I
CAMERA (IDS):           -
COLLIMATOR (IDS):       -
COLL. FOCUS (IDS):      -
GRATING (IDS):          -
DETECTOR:               WFC
PIXELS:                 4x2048x4200
PIXEL SIZE (microns): 13.5
WINDOW:                 Xstart=0, Xsize=2048, Ystart=0, Ysize=4200
BINNING:                in X=1, in Y=1

WEATHER:                Good
OUTSIDE TEMP (deg C):     17.0            (FIRST HALF)
OUTSIDE TEMP (deg C):     17.0            (SECOND HALF)
HUMIDITY (%):              8              (FIRST HALF)
HUMIDITY (%):              9              (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:       0

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

DARK HOURS:             08:36
DOME OPEN (UTC):        18:30
MOON PHASE (D/G/B):         B
DK HRS LOST (WEATHER):00:00
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
120348	Bias frame	11:30:00.00	+24:59:59.9	B1900.00	1.101	179.8	15:49:42.2	0.0	R	Harris	1	4 x 4	
120352	Dark frame	11:30:00.00	+25:00:00.0	B1900.00	1.106	179.8	15:51:53.1	15.0	z	Gunn	1	4 x 4	
120356	TESTER	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	15:53:12.0	5.1	z	Gunn	1	4 x 4	
120360	Bias frame	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	15:59:38.6	0.0	z	Gunn	1	1 x 1	

120364	Flat field	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:04:43.4	15.1	z	Gunn	1	1 x 1
120368	linearity 30	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:37:09.6	29.6	V	Harris	1	1 x 1
120372	linearity 29	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:40:21.8	29.1	V	Harris	1	1 x 1
120376	linearity 28	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:43:32.6	28.1	V	Harris	1	1 x 1
120380	linearity 27	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:46:46.9	27.1	V	Harris	1	1 x 1
120384	linearity 26	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:49:55.5	25.7	V	Harris	1	1 x 1
120388	linearity 25	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:53:03.8	25.1	V	Harris	1	1 x 1
120392	linearity 24	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:56:14.1	24.1	V	Harris	1	1 x 1
120396	linearity 23	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	16:59:20.1	23.1	V	Harris	1	1 x 1
120400	linearity 22	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:02:49.8	22.1	V	Harris	1	1 x 1
120404	linearity 21	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:05:57.5	21.1	V	Harris	1	1 x 1
120408	linearity 20	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:09:03.9	20.1	V	Harris	1	1 x 1
120412	linearity 19	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:12:09.8	19.1	V	Harris	1	1 x 1
120416	linearity 18	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:15:14.2	18.0	V	Harris	1	1 x 1
120420	linearity 17	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:18:18.6	17.1	V	Harris	1	1 x 1
120424	linearity 16	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:21:21.2	16.1	V	Harris	1	1 x 1
120428	linearity 15	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:24:22.6	15.1	V	Harris	1	1 x 1
120432	linearity 14	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:27:22.7	14.1	V	Harris	1	1 x 1
120436	linearity 13	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:30:18.9	13.1	V	Harris	1	1 x 1
120440	linearity 12	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:33:18.7	12.2	V	Harris	1	1 x 1
120444	linearity 11	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:36:12.5	11.1	V	Harris	1	1 x 1
120448	linearity 10	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:39:08.7	10.1	V	Harris	1	1 x 1
120452	linearity 9	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:42:03.9	9.1	V	Harris	1	1 x 1
120456	linearity 8	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:44:58.3	8.1	V	Harris	1	1 x 1
120460	linearity 7	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:47:52.4	7.1	V	Harris	1	1 x 1
120464	linearity 6	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:50:45.4	6.1	V	Harris	1	1 x 1
120468	linearity 5	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:53:37.5	5.1	V	Harris	1	1 x 1
120472	linearity 4	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:56:24.5	4.1	V	Harris	1	1 x 1
120476	linearity 3	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	17:59:10.3	3.1	V	Harris	1	1 x 1
120480	linearity 2	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	18:01:55.2	2.1	V	Harris	1	1 x 1
120484	linearity 1	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	18:04:42.4	1.0	V	Harris	1	1 x 1
120488	Bias frame	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	18:07:27.8	0.0	V	Harris	1	1 x 1
120492	flat	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	19:41:35.5	0.5	B	Kitt Peak	1	1 x 1
120496	Flat field	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	19:45:17.1	0.5	B	Kitt Peak	1	1 x 1
120500	Flat field	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	19:49:22.9	0.5	B	Kitt Peak	1	1 x 1
120504	Flat field	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	19:52:49.4	1.6	B	Kitt Peak	1	1 x 1
120508	Flat field	0:00:00.00	+00:00:00.0	B1900.00	1.000	179.8	19:56:25.1	0.5	V	Harris	1	1 x 1
120512	Flat field	17:00:00.00	+27:59:59.9	J2000.00	1.010	179.8	20:01:13.7	10.1	V	Harris	1	1 x 1
120516	Flat field	12:59:59.99	+39:59:59.9	J2000.00	1.866	179.8	20:05:51.5	14.1	V	Harris	1	1 x 1
120524	Flat field	13:00:00.00	+49:59:59.9	J2000.00	1.848	179.8	20:13:15.8	35.1	I	INT-WFC	1	1 x 1
120528	Flat field	13:00:03.11	+50:00:29.9	J2000.00	1.883	179.8	20:17:23.6	70.1	I	INT-WFC	1	1 x 1
120532	Flat field	13:00:03.11	+50:00:29.9	J2000.00	1.940	179.8	20:22:50.7	199.4	I	INT-WFC	1	1 x 1
120541	Bias frame						21:09:46.7	0.0	z	Gunn	1	1 x 1
120545	Bias frame	18:42:45.00	+00:08:05.0	A	1.140	179.8	21:16:23.5	0.0	R	Harris	1	1 x 1
120553	Focus run	18:42:44.99	+00:09:50.0	A	1.142	179.8	21:27:33.0	10.1	R	Harris	1	1 x 1
120558	SA92-427	21:09:17.36	-13:18:05.6	J2000.00	1.529	179.8	21:46:49.0	80.0	U	RGO	1	1 x 1
120562	SA92-427	21:09:17.36	-13:18:05.4	J2000.00	1.514	179.8	21:51:31.9	10.1	B	Kitt Peak	1	1 x 1
120566	SA92-427	21:09:17.36	-13:18:05.5	J2000.00	1.499	179.8	21:55:35.4	10.1	V	Harris	1	1 x 1
120570	SA92-427	21:09:17.36	-13:18:05.6	J2000.00	1.488	179.8	21:59:05.7	10.1	R	Harris	1	1 x 1
120574	SA92-427	21:09:17.36	-13:18:05.5	J2000.00	1.477	179.8	22:02:33.3	9.6	I	INT-WFC	1	1 x 1
120578	SA92-427	21:09:17.36	-13:18:05.5	J2000.00	1.464	179.8	22:06:33.3	10.1	z	Gunn	1	1 x 1
120582	G3-33						22:10:37.9	100.0	U	RGO	1	1 x 1
120586	G3-33						22:15:49.1	10.1	B	Kitt Peak	1	1 x 1
120590	G26-7	21:31:18.59	-09:47:26.6	A	1.393	179.8	22:25:52.9	20.1	U	RGO	1	1 x 1
120594	G26-7	21:31:18.59	-09:47:26.5	A	1.381	179.8	22:30:08.9	10.1	B	Kitt Peak	1	1 x 1
120598	G26-7	21:31:18.59	-09:47:26.5	A	1.372	179.8	22:33:41.0	10.1	V	Harris	1	1 x 1
120602	G26-7	21:31:18.59	-09:47:26.5	A	1.364	179.8	22:37:14.9	10.1	R	Harris	1	1 x 1
120606	G26-7	21:31:18.59	-09:47:26.6	A	1.356	179.8	22:40:45.7	9.6	I	INT-WFC	1	1 x 1
120610	G26-7	21:31:18.59	-09:47:26.5	A	1.348	179.8	22:44:19.6	10.1	z	Gunn	1	1 x 1
120614	SA92-427	21:09:17.36	-13:18:05.5	J2000.00	1.372	179.8	22:50:26.1	80.0	U	RGO	1	1 x 1
120618	SA92-427	21:09:17.36	-13:18:05.4	J2000.00	1.367	179.8	22:55:08.6	10.1	B	Kitt Peak	1	1 x 1
120622	SA92-427	21:09:17.36	-13:18:05.5	J2000.00	1.363	179.8	22:59:12.6	10.1	V	Harris	1	1 x 1

120626	SA92-427	21:09:17.36	-13:18:05.5	J2000.00	1.359	179.8	23:02:46.5	10.1	R	Harris	1	1 x 1
120630	SA92-427	21:09:17.36	-13:18:05.4	J2000.00	1.356	179.8	23:06:17.1	10.1	I	INT-WFC	1	1 x 1
120634	SA92-427	21:09:17.36	-13:18:05.5	J2000.00	1.354	179.8	23:10:20.2	9.6	z	Gunn	1	1 x 1
120638	G3-33	21:31:18.59	-09:47:26.6	J2000.00	1.299	179.8	23:14:42.7	100.0	U	RGO	1	1 x 1
120642	G3-33	21:31:18.59	-09:47:26.5	J2000.00	1.295	179.8	23:19:50.2	10.1	B	Kitt Peak	1	1 x 1
120646	G3-33	21:31:18.59	-09:47:26.5	J2000.00	1.291	179.8	23:23:47.5	10.1	V	Harris	1	1 x 1
120650	G3-33	21:31:18.59	-09:47:26.5	J2000.00	1.288	179.8	23:27:21.5	9.6	R	Harris	1	1 x 1
120654	G3-33	21:31:18.59	-09:47:26.6	J2000.00	1.286	179.8	23:30:49.8	10.1	I	INT-WFC	1	1 x 1
120658	G3-33	21:31:18.59	-09:47:26.5	J2000.00	1.284	179.8	23:34:23.3	10.1	z	Gunn	1	1 x 1
120662	Focus run	21:42:35.50	+00:18:30.9	J2000.00	1.143	179.8	23:44:02.9	10.1	z	Gunn	1	1 x 1
120666	SA113-163	21:42:35.50	+00:20:16.0	J2000.00	1.138	179.8	23:54:52.7	20.1	U	RGO	1	1 x 1
120670	SA113-163	21:42:35.50	+00:20:16.0	J2000.00	1.137	179.8	23:58:39.6	10.1	B	Kitt Peak	1	1 x 1
120674	SA113-163	21:42:35.50	+00:20:16.0	J2000.00	1.137	179.8	00:02:10.5	10.1	V	Harris	1	1 x 1
120678	SA113-163	21:42:35.50	+00:20:15.9	J2000.00	1.137	179.8	00:05:40.3	9.7	R	Harris	1	1 x 1
120682	SA113-163	21:42:35.50	+00:20:16.1	J2000.00	1.137	179.8	00:09:08.4	10.1	I	INT-WFC	1	1 x 1
120686	SA113-163	21:42:35.50	+00:20:16.0	J2000.00	1.137	179.8	00:12:42.3	19.6	z	Gunn	1	1 x 1
120690	wfsj2240+0000_034	22:41:04.00	+00:40:00.0	J2000.00	1.152	179.8	00:18:47.9	599.5	z	Gunn	1	1 x 1
120694	wfsj2240+0000_035	22:41:04.00	+01:00:00.0	J2000.00	1.137	179.8	00:33:17.5	599.4	z	Gunn	1	1 x 1
120698	wfsj2240+0000_036	22:41:03.99	+01:20:00.0	J2000.00	1.128	179.8	00:47:45.6	599.5	z	Gunn	1	1 x 1
120702	wfsj2240+0000_025	22:38:56.00	+00:40:00.0	J2000.00	1.134	179.8	01:02:57.1	599.5	z	Gunn	1	1 x 1
120706	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.134	179.8	01:17:20.3	599.5	z	Gunn	1	1 x 1
120710	wfsj2240+0000_027	22:38:56.00	+01:20:00.0	J2000.00	1.139	179.8	01:31:43.7	599.4	z	Gunn	1	1 x 1
120714	wfsj2240+0000_016	22:36:48.00	+00:40:00.0	J2000.00	1.162	179.8	01:46:38.7	599.4	z	Gunn	1	1 x 1
120718	wfsj2240+0000_017	22:36:48.00	+00:59:59.9	J2000.00	1.178	179.8	02:01:08.8	599.4	z	Gunn	1	1 x 1
120722	wfsj2240+0000_018	22:36:47.90	+01:20:00.0	J2000.00	1.198	179.8	02:15:31.7	599.5	z	Gunn	1	1 x 1
120726	SA113-163	21:42:35.49	+00:16:45.9	J2000.00	1.407	179.8	02:30:26.7	19.6	U	RGO	1	1 x 1
120730	SA113-163	21:42:35.49	+00:16:45.9	J2000.00	1.424	179.8	02:34:10.0	9.6	B	Kitt Peak	1	1 x 1
120734	SA113-163	21:42:35.50	+00:16:46.0	J2000.00	1.441	179.8	02:37:42.0	10.1	V	Harris	1	1 x 1
120738	SA113-163	21:42:35.50	+00:16:46.0	J2000.00	1.458	179.8	02:41:16.7	10.1	R	Harris	1	1 x 1
120742	SA113-163	21:42:35.50	+00:16:46.0	J2000.00	1.477	179.8	02:44:48.4	10.1	I	INT-WFC	1	1 x 1
120746	SA113-163	21:42:35.50	+00:16:46.0	J2000.00	1.497	179.8	02:48:22.3	19.6	z	Gunn	1	1 x 1
120750	wfsj0219-0500_022	2:17:55.70	-05:20:00.0	J2000.00	1.337	179.8	02:56:54.7	599.3	z	Gunn	1	1 x 1
120754	wfsj0219-0500_023	2:17:55.79	-05:00:00.0	J2000.00	1.295	179.8	03:11:03.6	598.8	z	Gunn	1	1 x 1
120758	wfsj0219-0500_024	2:17:55.79	-04:40:00.0	J2000.00	1.260	179.8	03:25:24.4	599.4	z	Gunn	1	1 x 1
120762	wfsj0219-0500_031	2:20:04.30	-05:20:00.0	J2000.00	1.249	179.8	03:40:06.4	599.5	z	Gunn	1	1 x 1
120766	wfsj0219-0500_032	2:20:04.20	-04:59:59.9	J2000.00	1.226	179.8	03:54:29.6	599.5	z	Gunn	1	1 x 1
120770	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.208	179.8	04:08:59.8	599.5	z	Gunn	1	1 x 1
120774	wfsj0219-0500_013	2:15:47.19	-05:19:59.9	J2000.00	1.208	179.8	04:23:56.0	598.9	z	Gunn	1	1 x 1
120778	wfsj0219-0500_014	2:15:47.30	-04:59:59.9	J2000.00	1.203	179.8	04:38:25.2	599.5	z	Gunn	1	1 x 1
120782	wfsj0219-0500_015	2:15:47.40	-04:40:00.0	J2000.00	1.202	179.8	04:52:48.1	599.5	z	Gunn	1	1 x 1
120786	And_VI	23:49:11.99	+24:19:00.1	B1950.00	1.299	179.8	05:09:51.9	299.8	V	Harris	1	1 x 1
120790	And_VI	23:49:11.99	+24:18:59.9	B1950.00	1.335	179.8	05:18:10.8	299.8	B	Kitt Peak	1	1 x 1
120798	And_VI	23:49:11.99	+24:19:00.0	B1950.00	1.384	179.8	05:28:40.1	0.0	R	Harris	1	1 x 1
120802	Bias frame	23:49:12.00	+24:18:59.9	B1950.00	1.426	179.8	05:39:02.9	0.0	R	Harris	1	1 x 1
120806	ASTROM_FIELD	2:40:00.00	-00:00:00.0	J2000.00	1.158	179.8	05:42:01.3	0.0	R	Harris	1	1 x 1
120810	ASTROM_FIELD_90	2:40:00.00	-00:00:00.0	J2000.00	1.163	90.0	05:46:44.4	0.0	R	Harris	1	1 x 1
120814	ASTROM_FIELD_270	2:40:00.00	-00:00:00.0	J2000.00	1.168	270.0	05:51:41.7	0.0	R	Harris	1	1 x 1
120818	ASTROM_FIELD_360	2:39:59.99	+00:00:00.0	J2000.00	1.174	360.0	05:56:58.1	0.0	R	Harris	1	1 x 1
120826	ASTROM_FIELD_360	2:39:59.99	-00:00:00.0	J2000.00	1.183	360.0	06:04:14.7	0.0	R	Harris	1	