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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:              INT
DATE:                   1998 AUG/SEP 31/01
INT TAPE NR:            INTD 3775/6
OBSERVER:               J. Lewis, 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):     10.5            (FIRST HALF)
OUTSIDE TEMP (deg C):     11.5            (SECOND HALF)
HUMIDITY (%):             65              (FIRST HALF)
HUMIDITY (%):             45              (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:             08:32
DOME OPEN (UTC):        18:20
MOON PHASE (D/G/B):         G
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.): 01:00
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
119478	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.603	179.8	11:02:33.1	0.0	z	Gunn	1	1 x 1	
119482	Unspecified object	0:00:00.00	+00:00:00.0	J2000.00	4.603	179.8	11:08:12.9	10.1	B	Kitt Peak	1	1 x 1	
119486	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.603	179.8	12:48:30.4	0.0	R	Harris	1	1 x 1	
119490	Unspecified object	0:00:00.00	+00:00:00.0	J2000.00	4.603	179.8	13:01:46.9	10.1	B	Kitt Peak	1	1 x 1	

119498	Bias frame						13:41:32.1	0.0	R	Harris	1	1 x 1
119502	Bias frame						13:56:47.5	0.0	z	Gunn	1	1 x 1
119506	Flat field	0:00:00.00	+00:00:00.0	A	1.138	179.8	14:02:09.1	2.2	z	Gunn	1	1 x 1
119510	Flat field	0:00:00.00	+00:00:00.0	A	1.138	179.8	14:09:52.0	15.1	z	Gunn	1	4 x 4
119514	Flat field	0:00:00.00	+00:00:00.0	A	1.138	179.8	14:27:33.5	9.6	z	Gunn	1	1 x 1
119518	linearity_test	0:00:00.00	+00:00:00.0	A	1.138	179.8	14:39:14.1	199.8	z	Gunn	1	1 x 1
119522	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	14:47:45.3	179.9	z	Gunn	1	1 x 1
119526	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	14:54:11.1	181.0	z	Gunn	1	1 x 1
119530	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:00:38.4	181.9	z	Gunn	1	1 x 1
119534	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:07:05.5	183.0	z	Gunn	1	1 x 1
119595	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:20:59.6	179.4	V	Harris	1	1 x 1
119599	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:27:49.9	158.1	V	Harris	1	1 x 1
119603	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:33:57.6	139.5	V	Harris	1	1 x 1
119607	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:39:43.6	119.5	V	Harris	1	1 x 1
119611	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:45:10.6	100.1	V	Harris	1	1 x 1
119615	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:50:16.8	80.1	V	Harris	1	1 x 1
119619	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:55:02.4	60.1	V	Harris	1	1 x 1
119623	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	15:59:28.8	40.1	V	Harris	1	1 x 1
119627	linearity test	0:00:00.00	+00:00:00.0	A	1.138	179.8	16:03:35.3	20.1	V	Harris	1	1 x 1
119631	Bias frame	0:00:00.00	+00:00:00.0	A	1.138	179.8	16:07:20.9	0.0	V	Harris	1	1 x 1
119635	Bias frame	0:00:00.00	+00:00:00.0	A	1.141	179.8	18:37:08.2	0.0	V	Harris	1	1 x 1
119639	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:42:36.2	0.0	V	Harris	1	1 x 1
119643	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:47:13.3	0.0	V	Harris	1	1 x 1
119647	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:50:24.3	0.0	V	Harris	1	1 x 1
119651	Dark frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	18:57:43.9	0.1	V	Harris	1	1 x 1
119655	Dark frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	19:00:52.8	0.1	V	Harris	1	1 x 1
119659	Flat field	16:59:59.99	+28:00:00.1	J2000.00	1.001	179.8	19:42:24.4	0.5	U	RGO	1	1 x 1
119663	Flat field	17:00:00.00	+27:59:59.9	J2000.00	1.002	179.8	19:46:21.6	0.8	U	RGO	1	1 x 1
119667	Flat field	17:00:00.00	+28:00:00.0	J2000.00	1.002	179.8	19:50:16.6	0.5	z	Gunn	1	1 x 1
119671	Flat field	17:00:00.00	+28:00:00.0	J2000.00	1.004	179.8	19:56:09.3	2.1	z	Gunn	1	1 x 1
119675	Flat field	17:00:00.00	+27:59:59.9	J2000.00	1.006	179.8	19:59:55.2	10.1	z	Gunn	1	1 x 1
119679	Flat field	17:00:00.00	+27:59:59.9	J2000.00	1.007	179.8	20:03:46.1	10.1	R	Harris	1	1 x 1
119683	Flat field	17:00:00.00	+27:59:59.9	J2000.00	1.010	179.8	20:08:59.6	29.6	R	Harris	1	1 x 1
119687	Flat field	17:00:00.00	+27:59:59.9	J2000.00	1.015	179.8	20:16:13.6	100.0	R	Harris	1	1 x 1
119691	Focus run	21:42:35.50	+00:18:31.0	J2000.00	1.795	179.8	20:53:49.6	20.1	z	Gunn	1	1 x 1
119695	sa113-163	21:42:35.50	+00:20:16.0	J2000.00	1.701	179.8	21:01:34.6	19.6	U	RGO	1	1 x 1
119699	sa113-163	21:42:35.50	+00:20:16.0	J2000.00	1.672	179.8	21:05:18.9	10.1	B	Kitt Peak	1	1 x 1
119703	sa113-163	21:42:35.49	+00:20:16.0	J2000.00	1.645	179.8	21:08:50.8	10.1	V	Harris	1	1 x 1
119707	sa113-163	21:42:35.49	+00:20:16.0	J2000.00	1.619	179.8	21:12:20.5	10.1	R	Harris	1	1 x 1
119711	sa113-163	21:42:35.49	+00:20:16.0	J2000.00	1.594	179.8	21:15:53.5	10.1	I	INT-WFC	1	1 x 1
119715	sa113-163	21:42:35.50	+00:20:16.0	J2000.00	1.570	179.8	21:19:26.9	20.1	z	Gunn	1	1 x 1
119719	Bias frame	21:42:35.49	+00:20:16.0	J2000.00	1.549	179.8	21:22:58.4	0.0	z	Gunn	1	1 x 1
119723	wfsj1610+5430_022	16:08:10.70	+54:09:59.9	J2000.00	1.318	179.8	21:31:53.8	599.5	z	Gunn	1	1 x 1
119727	wfsj1610+5430_023	16:08:09.80	+54:30:00.0	J2000.00	1.361	179.8	21:46:04.2	599.5	z	Gunn	1	1 x 1
119731	wfsj1610+5430_024	16:08:08.90	+54:50:00.0	J2000.00	1.409	179.8	22:00:16.2	599.6	z	Gunn	1	1 x 1
119735	wfsj1610+5430_031	16:11:49.30	+54:10:00.0	J2000.00	1.445	179.8	22:14:56.8	599.0	z	Gunn	1	1 x 1
119739	wfsj1610+5430_032	16:11:50.20	+54:30:00.0	J2000.00	1.502	179.8	22:28:53.7	599.5	z	Gunn	1	1 x 1
119743	wfsj1610+5430_033	16:11:51.10	+54:50:00.0	J2000.00	1.567	179.8	22:43:02.7	599.5	z	Gunn	1	1 x 1
119747	MARK-A						23:01:17.1	20.1	U	RGO	1	1 x 1
119751	MARK-A						23:04:59.2	10.1	B	Kitt Peak	1	1 x 1
119755	MARK-A						23:08:30.6	10.1	V	Harris	1	1 x 1
119759	MARK-A						23:12:03.6	9.6	R	Harris	1	1 x 1
119763	MARK-A						23:15:34.6	9.6	I	INT-WFC	1	1 x 1
119767	MARK-A						23:19:04.5	20.1	z	Gunn	1	1 x 1
119771	sa113-163						23:23:56.5	20.1	U	RGO	1	1 x 1
119775	sa113-163						23:27:42.7	10.1	B	Kitt Peak	1	1 x 1
119779	sa113-163						23:31:13.9	10.1	V	Harris	1	1 x 1
119783	sa113-163						23:34:47.4	10.1	R	Harris	1	1 x 1
119787	sa113-163						23:38:18.5	10.1	I	INT-WFC	1	1 x 1
119791	sa113-163						23:41:52.7	20.1	z	Gunn	1	1 x 1
119795	Bias frame	21:42:35.50	+00:16:46.0	A	1.151	179.8	00:49:36.4	0.0	z	Gunn	1	1 x 1
119799	sa113-163	21:42:35.50	+00:16:45.9	J2000.00	1.160	179.8	00:59:31.1	20.1	U	RGO	1	1 x 1

119803	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	1.164	179.8	01:03:18.4	10.1	B	Kitt Peak	1	1 x 1
119807	sa113-163	21:42:35.50	+00:16:45.9	J2000.00	1.168	179.8	01:06:49.7	9.6	V	Harris	1	1 x 1
119811	sa113-163	21:42:35.49	+00:16:46.0	J2000.00	1.173	179.8	01:10:23.7	9.6	R	Harris	1	1 x 1
119815	sa113-163	21:42:35.50	+00:16:45.9	J2000.00	1.177	179.8	01:13:55.0	9.6	I	INT-WFC	1	1 x 1
119819	sa113-163	21:42:35.49	+00:16:45.9	J2000.00	1.182	179.8	01:17:24.9	20.1	z	Gunn	1	1 x 1
119823	Focus run	21:42:35.50	+00:18:30.9	J2000.00	1.194	179.8	01:27:53.6	20.1	U	RGO	1	1 x 1
119827	wfsj2240+0000_023	22:38:56.00	-00:00:00.0	J2000.00	1.160	179.8	01:47:08.4	599.4	U	RGO	1	1 x 1
119831	wfsj2240+0000_022	22:38:55.99	-00:19:59.9	J2000.00	1.192	179.8	02:10:27.2	599.4	U	RGO	1	1 x 1
119835	wfsj2240+0000_023	22:38:56.00	+00:00:00.0	J2000.00	1.214	179.8	02:25:33.9	599.5	U	RGO	1	1 x 1
119839	wfsj2240+0000_024	22:38:56.00	+00:20:00.0	J2000.00	1.243	179.8	02:40:39.1	599.0	U	RGO	1	1 x 1
119843	wfsj2240+0000_031	22:41:03.99	-00:19:59.9	J2000.00	1.288	179.8	02:56:28.1	599.4	U	RGO	1	1 x 1
119847	wfsj2240+0000_032	22:41:04.00	-00:00:00.0	J2000.00	1.329	179.8	03:10:60.0	599.4	U	RGO	1	1 x 1
119851	wfsj2240+0000_033	22:41:03.99	+00:20:00.0	J2000.00	1.380	179.8	03:25:30.8	599.5	U	RGO	1	1 x 1
119855	wfsj2240+0000_013	22:36:48.00	-00:20:00.0	J2000.00	1.482	179.8	03:40:33.4	599.4	U	RGO	1	1 x 1
119859	wfsj2240+0000_014	22:36:47.99	-00:00:00.0	J2000.00	1.560	179.8	03:55:04.6	599.4	U	RGO	1	1 x 1
119863	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	2.198	179.8	04:09:34.3	20.1	U	RGO	1	1 x 1
119867	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	2.258	179.8	04:13:20.7	10.1	B	Kitt Peak	1	1 x 1
119871	sa113-163	21:42:35.49	+00:16:45.9	J2000.00	2.319	179.8	04:16:51.5	9.6	V	Harris	1	1 x 1
119875	sa113-163	21:42:35.49	+00:16:45.9	J2000.00	2.385	179.8	04:20:26.0	10.1	R	Harris	1	1 x 1
119879	sa113-163	21:42:35.49	+00:16:45.9	J2000.00	2.455	179.8	04:23:57.4	10.1	I	INT-WFC	1	1 x 1
119883	sa113-163	21:42:35.49	+00:16:46.0	J2000.00	2.532	179.8	04:27:31.5	20.1	z	Gunn	1	1 x 1
119887	wfsj0219-0500_022	2:17:55.69	-05:20:00.0	J2000.00	1.208	179.8	04:36:27.2	599.5	U	RGO	1	1 x 1
119891	wfsj0219-0500_024	2:17:55.80	-04:39:59.9	J2000.00	1.199	179.8	04:51:46.6	599.0	U	RGO	1	1 x 1
119895	wfsj0219-0500_031	2:20:04.30	-05:20:00.0	J2000.00	1.212	179.8	05:06:30.2	599.5	U	RGO	1	1 x 1
119899	wfsj0219-0500_032	2:20:04.20	-05:00:00.0	J2000.00	1.218	179.8	05:21:00.9	599.4	U	RGO	1	1 x 1
119903	SA95-42	3:53:43.69	-00:04:33.0	J2000.00	1.166	179.8	05:37:12.8	40.1	U	RGO	1	1 x 1
119907	SA95-42	3:53:43.70	-00:04:33.0	J2000.00	1.161	179.8	05:41:15.9	40.0	B	Kitt Peak	1	1 x 1
119911	SA95-42	3:53:43.69	-00:04:32.9	J2000.00	1.158	179.8	05:45:16.9	40.1	V	Harris	1	1 x 1
119915	SA95-42	3:53:43.69	-00:04:32.9	J2000.00	1.154	179.8	05:49:17.6	39.6	R	Harris	1	1 x 1
119919	SA95-42	3:53:43.69	-00:04:32.9	J2000.00	1.152	179.8	05:53:18.4	40.1	I	INT-WFC	1	1 x 1
119923	SA95-42	3:53:43.70	-00:04:32.9	J2000.00	1.149	179.8	05:57:22.1	40.1	z	Gunn	1	1 x 1
119927	SA95-42	3:53:43.70	-00:04:32.9	J2000.00	1.146	179.8	06:02:19.6	40.1	U	RGO	1	1 x 1
119931	SA95-42	3:53:43.70	-00:04:33.0	J2000.00	1.145	179.8	06:06:26.5	39.5	B	Kitt Peak	1	1 x 1
119935	SA95-42	3:53:43.69	-00:04:33.0	J2000.00	1.143	179.8	06:10:24.2	40.1	V	Harris	1	1 x 1
119939	SA95-42	3:53:43.70	-00:04:33.0	J2000.00	1.142	179.8	06:14:28.2	40.1	R	Harris	1	1 x 1
119943	SA95-42	3:53:43.70	-00:04:33.0	J2000.00	1.142	179.8	06:18:28.1	40.1	I	INT-WFC	1	1 x 1
119947	SA95-42	3:53:43.70	-00:04:33.0	J2000.00	1.141	179.8	06:22:36.2	40.1	z	Gunn	1	1 x 1
119951	Flat field	3:53:43.70	-00:04:33.0	J2000.00	1.141	179.8	06:27:30.3	0.5	U	RGO	1	1 x 1
119955	Flat field	3:53:43.70	-00:04:32.9	J2000.00	1.142	179.8	06:31:09.9	0.5	U	RGO	1	1 x 1
119959	Flat field	3:53:43.70	-00:04:32.9	J2000.00	1.142	179.8	06:34:40.5	1.1	U	RGO	1	1 x 1
119963	Flat field	3:53:43.69	-00:04:33.0	J2000.00	1.143	179.8	06:38:05.6	0.8	U	RGO	1	1 x 1