INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20000305
TAPE NR:              INTD4319
OBSERVER:             J. Haynes, A. Kambas
PROGRAMME:            WFS
PATT/CAT REF.:        WFS09
TELESCOPE OPERATOR:   P. Sorensen
SUPPORT ASTRONOMER:   N. Walton

TELESCOPE FOCUS:      46 mm
CALIBRATE RESULTS:    not specified

INSTRUMENT:           WFC

WFC FILTER WHEEL:     U,i,Z,KPB,r,g

WEATHER:              (1st half) FAIR
                      (2nd half) FAIR
CLOUD COVER (%):      (1st half) 0
                      (2nd half) 0
DUST (0-2):           (1st half) 1
                      (2nd half) 1
SEEING (arcsec):      (1st half) 2.5
                      (2nd half) 3.1

DOME OPENED (UT):     19:00

TEMPERATURE, HUMIDITY and WIND:
   UT   Temp  Hum%  Wspd  Wdir
20:00    6.0    16    42   159
21:00    6.6    10    46   142
22:00    6.6     8    41   149
23:00    7.1     8    50   152
00:00    6.8     9    50   132
01:00    6.3    10    55   151
02:00    7.1     8    36   146
03:00    7.0     7    53   148
04:00    6.5     6    53   170
05:00    6.3     8    50   146
06:00    5.7    11    50   142
07:00    5.7    13    55   146

SUNSET(UT)            19:21
EVENING TWILIGHT(UT)  20:32
MORNING TWILIGHT(UT)  06:13
SUNRISE(UT)           07:24
MOON'S QUARTER (1-4)  1
DISK % OF ILLUM.      0
DARK TIME             09:41
TWILIGHT TIME         02:22
MOONRISE(UT)          No Moon all night
MOONSET(UT)           No Moon all night

TIME LOST(WEATHER):   00:00
TIME LOST(TECHNICAL): 00:00
TIME LOST(OTHER):     00:00

COMMENTS:
  Windy, very poor seeing averaging higher than 2"
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
210730	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	13:42:11.9	1.1	g	Sloan		
210732	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	18:06:55.3	0.0	B	Kitt Peak		
210733	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	18:07:41.7	0.0	B	Kitt Peak		
210734	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	18:11:27.3	0.0	B	Kitt Peak		
210735	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	18:12:13.5	0.0	B	Kitt Peak		
210736	Dome Flat	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	18:22:36.0	45.1	B	Kitt Peak		
210737	Dome Flat	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	18:25:29.1	35.1	B	Kitt Peak		
210738	Dome Flat	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.1	18:28:21.3	35.1	B	Kitt Peak		
210739	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.121	180.1	19:33:38.4	3.5	z	Gunn		
210740	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.122	180.1	19:35:14.4	6.0	z	Gunn		
210741	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.124	180.1	19:37:17.8	4.0	B	Kitt Peak		
210742	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.125	180.1	19:38:41.6	5.4	B	Kitt Peak		
210743	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.126	180.1	19:40:23.2	6.1	g	Sloan		
210744	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.127	180.1	19:42:02.2	10.1	r	Sloan		
210745	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.128	180.1	19:43:42.6	18.1	r	Sloan		
210746	Flat field	4:25:47.13	+54:09:12.9	B1950.00	1.130	180.1	19:46:03.9	23.1	g	Sloan		
210747	Flat field	4:25:47.70	+54:09:18.0	B1950.00	1.132	180.1	19:49:08.6	69.6	r	Sloan		
210748	Flat field	4:25:48.27	+54:09:22.9	B1950.00	1.135	180.1	19:51:41.4	150.0	B	Kitt Peak		
210749	Focus run	9:57:26.00	-00:14:45.9	J2000.00	2.375	180.1	20:09:42.0	10.1	B	Kitt Peak		
210750	sa95-330 g	3:54:30.99	+00:29:05.0	J2000.00	1.333	180.1	20:17:20.5	10.1	g	Sloan		
210751	sa95-330 r	3:54:31.00	+00:29:04.9	J2000.00	1.338	180.1	20:18:40.9	10.1	r	Sloan		
210752	sa95-330 i	3:54:31.00	+00:29:05.0	J2000.00	1.343	180.1	20:20:05.9	10.1	i	Sloan		
210753	sa95-330 Z	3:54:31.00	+00:29:04.9	J2000.00	1.348	180.1	20:21:28.9	20.1	z	Gunn		
210754	sa95-330 KPB	3:54:30.99	+00:29:05.0	J2000.00	1.354	180.1	20:23:01.9	10.1	B	Kitt Peak		
210755	sa95-330 U	3:54:31.00	+00:29:05.0	J2000.00	1.361	180.1	20:24:25.4	60.1	U	RGO		
210756	wfsj0801+4019_031	8:03:00.29	+39:59:00.0	J2000.00	1.093	180.1	20:31:30.4	599.3	r	Sloan		
210757	wfsj0801+4019_031	8:03:00.30	+39:59:00.0	J2000.00	1.077	180.1	20:42:41.5	599.0	g	Sloan		
210758	wfsj0801+4019_032	8:03:00.69	+40:18:59.9	J2000.00	1.062	180.1	20:55:43.1	599.5	r	Sloan		
210759	wfsj0801+4019_032	8:03:00.69	+40:19:00.0	J2000.00	1.051	180.1	21:06:56.6	598.8	g	Sloan		
210760	wfsj0801+4019_033	8:03:01.09	+40:39:00.0	J2000.00	1.041	180.1	21:19:52.7	599.3	r	Sloan		
210761	wfsj0801+4019_033	8:03:01.10	+40:38:59.9	J2000.00	1.034	180.1	21:31:06.4	599.4	g	Sloan		
210762	wfsngc003	10:03:59.99	-00:00:00.0	J2000.00	1.422	180.1	21:46:36.3	749.3	B	Kitt Peak		
210763	wfsngc004	10:06:00.00	+00:00:00.0	J2000.00	1.365	180.1	22:02:04.7	749.2	B	Kitt Peak		
210764	wfsngc006	10:10:00.00	-00:00:00.1	J2000.00	1.323	180.1	22:17:35.6	749.2	B	Kitt Peak		
210765	wfsngc007	10:12:00.00	+00:00:00.0	J2000.00	1.280	180.1	22:33:06.9	749.3	B	Kitt Peak		
210766	wfsngc008	10:14:00.00	-00:00:00.0	J2000.00	1.245	180.1	22:48:39.3	749.4	B	Kitt Peak		
210767	wfsngc013	10:24:00.00	+00:00:00.1	J2000.00	1.232	180.1	23:04:20.7	748.8	B	Kitt Peak		
210768	wfsngc014	10:25:59.99	+00:00:00.1	J2000.00	1.205	180.1	23:19:49.5	749.3	B	Kitt Peak		
210769	sa104-334 g	12:42:21.00	-00:40:28.0	J2000.00	1.813	180.1	23:35:14.4	10.1	g	Sloan		
210770	sa104-334 r	12:42:21.00	-00:40:28.0	J2000.00	1.801	180.1	23:36:29.7	10.1	r	Sloan		
210771	sa104-334 i	12:42:21.00	-00:40:27.9	J2000.00	1.789	180.1	23:37:44.9	10.1	i	Sloan		
210772	sa104-334 Z	12:42:20.99	-00:40:27.9	J2000.00	1.776	180.1	23:39:00.3	20.1	z	Gunn		
210773	sa104-334 KPB	12:42:20.99	-00:40:27.9	J2000.00	1.764	180.1	23:40:28.9	10.1	B	Kitt Peak		
210774	sa104-334 U	12:42:20.99	-00:40:27.9	J2000.00	1.749	180.1	23:41:44.3	60.1	U	RGO		
210775	VIRGO466B	12:20:47.29	+15:04:29.8	J2000.00	1.295	180.1	23:49:10.4	749.4	B	Kitt Peak		
210776	Focus run	9:57:26.00	-00:14:46.2	J2000.00	1.143	180.1	00:10:19.3	10.1	B	Kitt Peak		
210777	VIRGO506	12:20:45.41	+15:44:00.3	J2000.00	1.201	180.1	00:15:08.9	749.3	B	Kitt Peak		
210778	VIRGO525	12:18:35.39	+16:03:59.9	J2000.00	1.153	180.1	00:30:15.0	749.2	B	Kitt Peak		
210779	VIRGO526	12:20:44.39	+16:03:59.5	J2000.00	1.124	180.1	00:45:15.1	749.4	B	Kitt Peak		
210780	VIRGO545	6:09:17.05	+08:12:00.0	J2000.00	1.091	180.1	01:00:28.5	748.8	B	Kitt Peak		
210781	VIRGO546	12:20:43.39	+16:23:59.9	J2000.00	1.071	180.1	01:15:47.6	749.3	B	Kitt Peak		
210782	sa104-334 g	12:42:21.00	-00:40:28.1	J2000.00	1.233	180.1	01:31:56.3	10.1	g	Sloan		
210783	sa104-334 r	12:42:21.00	-00:40:28.1	J2000.00	1.230	180.1	01:33:13.2	10.1	r	Sloan		
210784	sa104-334 i	12:42:21.00	-00:40:27.9	J2000.00	1.228	180.1	01:34:28.8	10.1	i	Sloan		
210785	sa104-334 Z	12:42:20.99	-00:40:27.9	J2000.00	1.225	180.1	01:35:44.7	20.1	z	Gunn		
210786	sa104-334 KPB	12:42:21.00	-00:40:27.4	J2000.00	1.222	180.1	01:37:10.9	10.1	B	Kitt Peak		
210787	sa104-334 U	12:42:20.99	-00:40:28.0	J2000.00	1.219	180.1	01:38:26.5	60.0	U	RGO		
210788	VIRGO565	12:18:32.89	+16:43:59.7	J2000.00	1.038	180.1	01:44:58.8	749.5	B	Kitt Peak		
210789	VIRGO566	12:20:42.30	+16:43:59.8	J2000.00	1.030	180.1	01:59:54.7	748.8	B	Kitt Peak		
210790	VIRGO585	12:18:31.60	+17:03:59.6	J2000.00	1.023	180.1	02:14:50.3	749.2	B	Kitt Peak		

210791	VIRGO586	12:20:41.31	+17:04:00.0	J2000.00	1.021	180.1	02:29:36.3	749.3	B	Kitt Peak	
210792	VIRGO601S	12:18:30.60	+17:24:00.1	J2000.00	1.023	180.1	02:44:28.9	749.3	B	Kitt Peak	
210793	VIRGO602S	12:20:40.29	+17:24:00.1	J2000.00	1.028	180.1	02:59:13.4	749.3	B	Kitt Peak	
210794	107-612 g	15:39:35.40	-00:15:08.0	J2000.00	1.492	180.1	03:14:21.4	10.1	g	Sloan	
210795	107-612 r	15:39:35.39	-00:15:07.9	J2000.00	1.485	180.1	03:15:34.6	10.1	r	Sloan	
210796	107-612 i	15:39:35.40	-00:15:07.8	J2000.00	1.479	180.1	03:16:50.5	10.1	i	Sloan	
210797	107-612 Z	15:39:35.40	-00:15:07.9	J2000.00	1.472	180.1	03:18:07.2	20.1	z	Gunn	
210798	107-612 KPB	15:39:35.40	-00:15:08.0	J2000.00	1.465	180.1	03:19:32.0	10.1	B	Kitt Peak	
210799	107-612 U	15:39:35.40	-00:15:08.1	J2000.00	1.456	180.1	03:20:44.9	60.0	U	RGO	
210800	VIRGO603S	12:18:29.60	+17:43:59.9	J2000.00	1.047	180.1	03:24:53.9	749.5	B	Kitt Peak	
210801	VIRGO604S	12:20:39.30	+17:44:00.1	J2000.00	1.062	180.1	03:40:16.4	749.3	B	Kitt Peak	
210802	VIRGO605S	12:18:28.59	+18:04:00.1	J2000.00	1.086	180.1	03:55:44.7	749.4	B	Kitt Peak	
210803	VIRGO606S	12:20:38.59	+18:04:00.1	J2000.00	1.110	180.1	04:11:23.8	749.2	B	Kitt Peak	
210804	Focus run	15:39:35.39	-00:13:07.9	J2000.00	1.223	180.1	04:31:39.2	10.1	B	Kitt Peak	
210805	VIRGO607S	12:18:27.59	+18:24:00.0	J2000.00	1.173	180.1	04:37:24.6	749.4	B	Kitt Peak	
210806	VIRGO608S	12:20:37.59	+18:23:59.7	J2000.00	1.211	180.1	04:52:46.7	749.4	B	Kitt Peak	
210807	VIRGO609S	12:18:26.60	+18:44:00.1	J2000.00	1.270	180.1	05:08:05.7	749.3	B	Kitt Peak	
210808	VIRGO610S	12:20:36.60	+18:44:00.0	J2000.00	1.346	180.1	05:28:29.5	749.3	B	Kitt Peak	
210809	VIRGO611S	12:18:25.60	+19:04:00.3	J2000.00	1.437	180.1	05:44:31.6	749.3	B	Kitt Peak	
210810	107-612 g	15:39:35.40	-00:15:08.0	J2000.00	1.143	180.1	05:59:19.6	10.1	g	Sloan	
210811	107-612 r	15:39:35.39	-00:15:08.1	J2000.00	1.144	180.1	06:00:33.1	10.1	r	Sloan	
210812	107-612 i	15:39:35.40	-00:15:07.8	J2000.00	1.144	180.1	06:01:49.4	10.1	i	Sloan	
210813	107-612 Z	15:39:35.39	-00:15:08.1	J2000.00	1.144	180.1	06:03:06.1	20.1	z	Gunn	
210814	107-612 KPB	15:39:35.39	-00:15:08.0	J2000.00	1.144	180.1	06:04:29.8	10.1	B	Kitt Peak	
210815	107-612 U	15:39:35.39	-00:15:08.0	J2000.00	1.145	180.1	06:05:42.8	60.0	U	RGO	
210816	VIRGO612S	12:20:35.60	+19:04:00.1	J2000.00	1.590	180.1	06:10:05.2	749.3	B	Kitt Peak	
210817	107-612 g	15:39:35.40	-00:15:07.9	J2000.00	1.153	180.1	06:24:32.9	10.1	g	Sloan	trailing
210818	107-612 r	15:39:35.40	-00:15:07.9	J2000.00	1.154	180.1	06:25:48.0	10.1	r	Sloan	trailing
210819	107-612 i	15:39:35.40	-00:15:08.0	J2000.00	1.155	180.1	06:27:02.9	10.1	i	Sloan	
210820	107-612 Z	15:39:35.39	-00:15:08.0	J2000.00	1.156	180.1	06:28:17.8	20.1	z	Gunn	
210821	107-612 KPB	15:39:35.40	-00:15:08.0	J2000.00	1.157	180.1	06:29:40.8	10.1	B	Kitt Peak	
210822	107-612 U	15:39:35.40	-00:15:08.0	J2000.00	1.159	180.1	06:30:55.7	60.0	U	RGO	
210823	104-335 g	12:42:20.90	-00:33:09.0	J2000.00	2.002	180.1	06:36:37.8	10.1	g	Sloan	
210824	Flat field	16:47:52.50	-15:17:43.7	B1950.00	1.394	180.1	06:53:26.7	80.0	g	Sloan	
210826	Flat field	16:47:53.19	-15:17:33.9	B1950.00	1.393	180.1	06:56:25.4	35.1	g	Sloan	
210827	Flat field	16:47:53.19	-15:17:34.1	B1950.00	1.393	180.1	06:58:49.3	37.1	B	Kitt Peak	
210828	Flat field	16:47:53.18	-15:17:33.7	B1950.00	1.392	180.1	07:00:51.4	20.1	B	Kitt Peak	
210829	Flat field	16:47:53.18	-15:17:54.2	B1950.00	1.392	180.1	07:02:27.5	10.1	B	Kitt Peak	
210830	Flat field	16:47:52.50	-15:17:43.9	B1950.00	1.392	180.1	07:04:00.8	8.1	r	Sloan	
210831	Flat field	16:47:53.18	-15:17:54.1	B1950.00	1.392	180.1	07:05:19.0	5.1	r	Sloan	
210832	Flat field	16:47:52.49	-15:17:43.8	B1950.00	1.392	180.1	07:06:40.6	20.1	z	Gunn	
210833	Flat field	16:47:53.18	-15:17:34.0	B1950.00	1.392	180.1	07:08:11.4	10.1	z	Gunn	