INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20000327
TAPE NR: INTD4340
OBSERVER: S. Driver, D. Lemon, N. Cross
PROGRAMME: WFS01
PATT/CAT REF.: WFS01
TELESCOPE OPERATOR: None
SUPPORT ASTRONOMER: None

TELESCOPE FOCUS: 46.1 mm
CALIBRATE RESULTS: HI 56.12 +/- 4.08, DI -46.68 +/- 1.34, HC 43.45 +/- 2.96, Sky sigma 3.54

INSTRUMENT: WFC

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

WEATHER: (1st half) good
(2nd half) good
CLOUD COVER (%): (1st half) 0
(2nd half) 20
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 1.5
(2nd half) 2.0

DOME OPENED (UT): 19:30

TEMPERATURE, HUMIDITY and WIND:

UT	Temp	Hum%	Wspd	Wdir
20:00	5.6	4	24	11
21:00	6.5	3	24	36
22:00	7.2	4	20	23
23:00	7.3	3	20	41
00:00	7.3	3	19	37
01:00	6.9	3	19	33
02:00	6.7	3	6	91
03:00	7.1	3	9	52
04:00	7.6	2	14	35
05:00	7.1	3	8	52
06:00	7.5	2	7	24

SUNSET(UT) 19:34
EVENING TWILIGHT(UT) 20:46
MORNING TWILIGHT(UT) 05:47
SUNRISE(UT) 06:59
MOON'S QUARTER (1-4) 3
DISK % OF ILLUM. 51
DARK TIME 09:01
TWILIGHT TIME 02:24
MOONRISE(UT) 02:06
MOONSET(UT) No moonset within sunset-sunrise

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

COMMENTS:
.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
213487	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:41:60.2	0.0	z	Gunn		
213488	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:42:47.2	0.0	z	Gunn		
213489	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:43:40.3	0.0	z	Gunn		
213490	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:44:27.8	0.0	z	Gunn		
213491	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	16:45:15.4	0.0	z	Gunn		
213492	Flat field	7:50:00.00	+30:00:00.0	J2000.00	1.026	180.0	19:40:38.1	3.1	z	Gunn		
213493	Flat field	7:50:00.00	+30:00:00.0	J2000.00	1.020	180.0	19:47:17.3	15.1	z	Gunn		
213494	Flat field	7:50:00.76	+29:59:59.9	J2000.00	1.019	180.0	19:49:06.0	25.1	z	Gunn		
213495	Flat field	7:50:00.00	+30:00:00.0	J2000.00	1.016	180.0	19:52:09.9	10.1	B	Kitt Peak		
213496	Flat field	7:50:00.76	+30:00:00.0	J2000.00	1.015	180.0	19:53:41.0	10.1	B	Kitt Peak		
213497	Flat field	7:50:00.76	+29:59:50.0	J2000.00	1.014	180.0	19:55:09.0	15.1	B	Kitt Peak		
213498	Flat field	7:50:00.00	+30:00:00.0	J2000.00	1.013	180.0	19:57:13.1	40.1	r	Sloan		
213499	Focus run	9:57:26.50	-00:14:32.8	J2000.00	1.465	180.0	20:13:18.8	10.1	B	Kitt Peak		
213500	101-427 KPB	9:57:26.49	-00:17:17.9	J2000.00	1.440	180.0	20:16:34.0	60.1	B	Kitt Peak		
213501	101-427 KPB	9:57:26.50	-00:17:17.9	J2000.00	1.428	180.0	20:19:07.3	60.1	B	Kitt Peak		
213502	MGC013	10:24:00.00	-00:00:00.0	J2000.00	1.494	180.0	20:25:49.6	749.3	B	Kitt Peak		
213503	mgc014	10:23:59.99	+00:00:00.0	J2000.00	1.407	180.0	20:43:17.3	749.3	B	Kitt Peak		
213504	mgc014a	10:25:59.99	+00:00:00.0	J2000.00	1.348	180.0	21:00:01.5	749.4	B	Kitt Peak		
213505	mgc015	10:27:59.99	+00:00:00.0	J2000.00	1.300	180.0	21:16:07.2	749.4	B	Kitt Peak		
213506	mgc041	11:19:59.99	-00:00:00.0	J2000.00	1.436	180.0	21:33:00.7	749.3	B	Kitt Peak		
213507	mgc042	11:21:59.99	+00:00:00.0	J2000.00	1.371	180.0	21:49:48.7	749.2	B	Kitt Peak		
213508	mgc043	11:24:00.00	+00:00:00.1	J2000.00	1.317	180.0	22:06:34.4	749.3	B	Kitt Peak		
213509	mgc044	11:26:00.00	-00:00:00.0	J2000.00	1.274	180.0	22:22:53.6	749.3	B	Kitt Peak		
213510	mgc053	11:44:00.00	+00:00:00.0	J2000.00	1.278	180.0	22:39:21.2	749.2	B	Kitt Peak		
213511	mgc054	11:46:00.00	-00:00:00.0	J2000.00	1.240	180.0	22:55:56.0	749.3	B	Kitt Peak		
213512	mgc055	11:48:00.00	+00:00:00.0	J2000.00	1.210	180.0	23:12:16.6	748.6	B	Kitt Peak		
213513	mgc057	11:51:59.99	+00:00:00.0	J2000.00	1.188	180.0	23:29:26.7	749.3	B	Kitt Peak		
213514	mgc056	11:49:53.00	+00:00:00.0	J2000.00	1.165	180.0	23:45:20.5	749.4	B	Kitt Peak		
213515	mgc058	11:54:00.00	+00:00:00.0	J2000.00	1.154	180.0	00:01:35.8	749.3	B	Kitt Peak		
213516	mgc059	11:55:59.99	-00:00:00.0	J2000.00	1.145	180.0	00:18:10.6	749.3	B	Kitt Peak		
213517	mgc060	11:57:59.99	-00:00:00.0	J2000.00	1.141	180.0	00:34:12.2	749.2	B	Kitt Peak		
213518	mgc061	11:59:59.99	-00:00:00.1	J2000.00	1.141	180.0	00:50:44.7	748.6	B	Kitt Peak		
213519	mgc062	12:02:00.00	+00:00:00.0	J2000.00	1.146	180.0	01:07:04.6	749.3	B	Kitt Peak		
213520	mgc063	12:04:00.00	-00:00:00.0	J2000.00	1.155	180.0	01:22:54.7	749.2	B	Kitt Peak		
213521	sa 104-455 KBP	12:42:52.20	-00:24:19.0	J2000.00	1.145	180.0	01:37:49.4	60.1	B	Kitt Peak		
213522	sa 104-455 KBP	12:42:52.19	-00:24:19.0	J2000.00	1.146	180.0	01:40:06.2	60.1	B	Kitt Peak		
213523	sa 104-455 Z	12:42:52.20	-00:24:19.0	J2000.00	1.147	180.0	01:42:34.5	120.0	z	Gunn		
213524	Focus run	12:42:52.19	-00:21:33.8	J2000.00	1.148	180.0	01:49:39.8	10.1	z	Gunn		
213525	virgo545 Z	12:18:34.10	+16:23:59.9	J2000.00	1.053	180.0	01:55:29.7	1198.9	z	Gunn		
213526	virgo545 Z	12:18:34.09	+16:24:00.0	J2000.00	1.080	180.0	02:16:42.3	1199.0	z	Gunn		
213527	virgo545 Z	12:18:34.10	+16:23:59.9	J2000.00	1.116	180.0	02:38:02.2	1198.9	z	Gunn		
213528	sa 104-455 Z	12:42:52.19	-00:24:19.0	J2000.00	1.242	180.0	03:01:17.5	120.0	z	Gunn		
213529	sa 104-455 Z	12:42:52.20	-00:24:19.0	J2000.00	1.250	180.0	03:04:41.7	120.0	z	Gunn		
213530	mgc133 z	14:24:00.00	-00:00:00.1	J2000.00	1.142	180.0	03:11:45.5	1198.9	z	Gunn		
213531	mgc134	14:26:00.00	+00:00:00.0	J2000.00	1.152	180.0	03:35:57.6	1199.0	z	Gunn		
213532	mgc135	14:28:00.00	-00:00:00.0	J2000.00	1.173	180.0	03:59:54.0	1198.7	z	Gunn		
213533	mgc136	14:29:59.99	-00:00:00.0	J2000.00	1.205	180.0	04:23:17.3	1198.8	z	Gunn		
213534	mgc137	14:32:00.00	-00:00:00.0	J2000.00	1.254	180.0	04:48:14.4	1198.7	z	Gunn		
213535	mgc138	14:34:00.00	+00:00:00.0	J2000.00	1.321	180.0	05:12:58.7	1198.6	z	Gunn		
213536	mgc139	14:36:00.00	-00:00:00.0	J2000.00	1.403	180.0	05:36:07.9	1198.9	z	Gunn		
213537	sa107-601 Z	15:39:13.80	-00:13:28.0	J2000.00	1.245	180.0	05:59:35.5	120.0	z	Gunn		
213538	sa107-601 Z	15:39:13.79	-00:13:27.9	J2000.00	1.253	180.0	06:02:40.6	120.0	z	Gunn		
213539	Flat field	16:47:52.49	-15:17:44.0	B1950.00	1.443	180.0	06:34:24.6	29.6	B	Kitt Peak		
213540	Flat field	16:47:51.80	-15:17:53.9	B1950.00	1.447	180.0	06:36:16.0	30.1	B	Kitt Peak		
213541	Flat field	16:47:52.49	-15:17:44.0	B1950.00	1.451	180.0	06:38:36.3	30.1	z	Gunn		
213542	Flat field	16:47:51.81	-15:17:44.0	B1950.00	1.455	180.0	06:40:23.0	30.1	z	Gunn		
213543	Flat field	16:47:51.80	-15:17:54.0	B1950.00	1.459	180.0	06:42:21.4	4.1	z	Gunn		