INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  20000326
TAPE NR:               INTD4339
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) 0
DUST (0-2):            (1st half) 0
                       (2nd half) 0
SEEING (arcsec):       (1st half) 1.5
                       (2nd half) 2.0

DOME OPENED (UT):      19:00
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TEMPERATURE, HUMIDITY and WIND:

UT	Temp	Hum%	Wspd	Wdir
20:00	0.7	23	47	5
21:00	0.6	23	38	347
22:00	0.7	22	36	4
23:00	1.2	21	38	337
00:00	2.1	16	39	356
01:00	2.0	16	41	355
02:00	1.4	27	42	335
03:00	0.5	33	46	1
04:00	1.2	28	52	6
05:00	2.0	16	48	4
06:00	1.6	15	42	354

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SUNSET(UT)             19:33
EVENING TWILIGHT(UT)   20:45
MORNING TWILIGHT(UT)   05:48
SUNRISE(UT)            07:00
MOON'S QUARTER (1-4)   3
DISK % OF ILLUM.       61
DARK TIME              09:03
TWILIGHT TIME          02:24
MOONRISE(UT)           01:16
MOONSET(UT)            No moonset within sunset-sunrise

TIME LOST(WEATHER):    00:00
TIME LOST(TECHNICAL):  01:00
TIME LOST(OTHER):      00:00
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COMMENTS:
  1) Filter wheel got stuck. We had to bring the telescope down, manually move it and then
  restart obssys and TCS etc.
  2) lpss14 died on us bringing everything to a grinding halt during twilight.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
213432	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:20:15.7	0.0	r	Sloan			
213432	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:20:15.7	0.0	r	Sloan			
213433	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:21:02.1	0.0	B	Kitt Peak			
213433	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:21:02.1	0.0	B	Kitt Peak			
213434	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:21:48.9	0.0	B	Kitt Peak			
213434	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:21:48.9	0.0	B	Kitt Peak			
213435	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:22:37.4	0.0	B	Kitt Peak			
213435	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:22:37.4	0.0	B	Kitt Peak			
213436	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:23:23.7	0.0	B	Kitt Peak			
213436	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:23:23.7	0.0	B	Kitt Peak			
213437	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:24:11.3	0.0	B	Kitt Peak			
213437	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.257	180.0	16:24:11.3	0.0	B	Kitt Peak			
213438	Bias	7:50:00.00	+29:59:59.8	J2000.00	1.035	180.0	19:35:13.9	0.0	z	Gunn			
213438	Bias	7:50:00.00	+29:59:59.8	J2000.00	1.035	180.0	19:35:13.9	0.0	z	Gunn			
213439	Flat field	7:49:59.99	+29:59:59.9	J2000.00	1.028	180.0	19:42:24.3	3.1	z	Gunn			
213439	Flat field	7:49:59.99	+29:59:59.9	J2000.00	1.028	180.0	19:42:24.3	3.1	z	Gunn			
213440	Flat field	7:50:00.00	+29:59:59.9	J2000.00	1.026	180.0	19:44:31.3	5.1	z	Gunn			
213440	Flat field	7:50:00.00	+29:59:59.9	J2000.00	1.026	180.0	19:44:31.3	5.1	z	Gunn			
213441	Flat field	7:49:59.23	+30:00:00.0	J2000.00	1.024	180.0	19:45:58.7	10.1	z	Gunn			
213441	Flat field	7:49:59.23	+30:00:00.0	J2000.00	1.024	180.0	19:45:58.7	10.1	z	Gunn			
213442	Flat field	7:50:00.00	+30:00:00.0	J2000.00	1.023	180.0	19:47:49.5	5.1	B	Kitt Peak			
213442	Flat field	7:50:00.00	+30:00:00.0	J2000.00	1.023	180.0	19:47:49.5	5.1	B	Kitt Peak			
213443	Flat field	7:50:00.76	+29:59:59.9	J2000.00	1.022	180.0	19:49:21.9	5.1	B	Kitt Peak			
213443	Flat field	7:50:00.76	+29:59:59.9	J2000.00	1.022	180.0	19:49:21.9	5.1	B	Kitt Peak			
213444	Flat field	7:50:01.53	+30:00:00.0	J2000.00	1.020	180.0	19:51:03.0	7.1	B	Kitt Peak			
213444	Flat field	7:50:01.53	+30:00:00.0	J2000.00	1.020	180.0	19:51:03.0	7.1	B	Kitt Peak			
213445	Flat field	7:50:01.54	+29:59:50.0	J2000.00	1.019	180.0	19:52:41.7	13.1	B	Kitt Peak			
213445	Flat field	7:50:01.54	+29:59:50.0	J2000.00	1.019	180.0	19:52:41.7	13.1	B	Kitt Peak			
213446	Flat field	7:50:01.53	+29:59:40.0	J2000.00	1.018	180.0	19:54:20.9	15.1	B	Kitt Peak			
213446	Flat field	7:50:01.53	+29:59:40.0	J2000.00	1.018	180.0	19:54:20.9	15.1	B	Kitt Peak			
213447	Focus run	9:57:26.49	-00:14:47.8	J2000.00	1.507	180.0	20:09:13.9	10.1	B	Kitt Peak			
213447	Focus run	9:57:26.49	-00:14:47.8	J2000.00	1.507	180.0	20:09:13.9	10.1	B	Kitt Peak			
213448	sa101-427	9:57:26.50	-00:12:18.0	J2000.00	1.456	180.0	20:16:51.2	60.0	B	Kitt Peak			
213448	sa101-427	9:57:26.50	-00:12:18.0	J2000.00	1.456	180.0	20:16:51.2	60.0	B	Kitt Peak			
213449	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.399	180.0	20:29:32.8	60.1	B	Kitt Peak			
213449	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.399	180.0	20:29:32.8	60.1	B	Kitt Peak			
213450	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.378	180.0	20:34:23.9	60.0	B	Kitt Peak			
213450	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.378	180.0	20:34:23.9	60.0	B	Kitt Peak			
213451	mgc017	10:32:00.00	+00:00:00.1	J2000.00	1.418	180.0	20:52:57.6	749.3	B	Kitt Peak			
213451	mgc017	10:32:00.00	+00:00:00.1	J2000.00	1.418	180.0	20:52:57.6	749.3	B	Kitt Peak			
213452	mgc018	10:33:59.99	-00:00:00.0	J2000.00	1.357	180.0	21:09:22.7	749.3	B	Kitt Peak			
213452	mgc018	10:33:59.99	-00:00:00.0	J2000.00	1.357	180.0	21:09:22.7	749.3	B	Kitt Peak			
213453	mgc019	10:36:00.00	+00:00:00.0	J2000.00	1.308	180.0	21:25:15.4	749.3	B	Kitt Peak			
213453	mgc019	10:36:00.00	+00:00:00.0	J2000.00	1.308	180.0	21:25:15.4	749.3	B	Kitt Peak			
213454	mgc020	10:38:00.00	+00:00:00.0	J2000.00	1.268	180.0	21:41:03.8	749.4	B	Kitt Peak			
213454	mgc020	10:38:00.00	+00:00:00.0	J2000.00	1.268	180.0	21:41:03.8	749.4	B	Kitt Peak			
213455	mgc026	10:50:00.00	-00:00:00.0	J2000.00	1.257	180.0	21:57:13.5	749.3	B	Kitt Peak			
213455	mgc026	10:50:00.00	-00:00:00.0	J2000.00	1.257	180.0	21:57:13.5	749.3	B	Kitt Peak			
213456	sa101-427	9:57:26.50	-00:17:17.9	J2000.00	1.159	180.0	22:12:07.3	60.0	B	Kitt Peak			
213456	sa101-427	9:57:26.50	-00:17:17.9	J2000.00	1.159	180.0	22:12:07.3	60.0	B	Kitt Peak			
213457	Focus run	9:57:26.50	-00:14:48.0	J2000.00	1.156	180.0	22:17:43.6	10.1	B	Kitt Peak			
213457	Focus run	9:57:26.50	-00:14:48.0	J2000.00	1.156	180.0	22:17:43.6	10.1	B	Kitt Peak			
213458	Malin 1	12:36:59.30	+14:19:50.0	J2000.00	1.344	180.0	22:29:18.4	1198.8	B	Kitt Peak			
213458	Malin 1	12:36:59.30	+14:19:50.0	J2000.00	1.344	180.0	22:29:18.4	1198.8	B	Kitt Peak			
213459	Malin 1	12:36:59.30	+14:19:50.0	J2000.00	1.252	180.0	22:52:27.3	1198.6	B	Kitt Peak			
213459	Malin 1	12:36:59.30	+14:19:50.0	J2000.00	1.252	180.0	22:52:27.3	1198.6	B	Kitt Peak			
213460	Malin 1	12:36:59.30	+14:19:50.0	J2000.00	1.186	180.0	23:13:37.6	1198.3	B	Kitt Peak			
213460	Malin 1	12:36:59.30	+14:19:50.0	J2000.00	1.186	180.0	23:13:37.6	1198.3	B	Kitt Peak			

213461	mgc045	11:28:00.00	-00:00:00.0	J2000.00	1.155	180.0	23:37:55.9	749.3	B	Kitt Peak
213461	mgc045	11:28:00.00	-00:00:00.0	J2000.00	1.155	180.0	23:37:55.9	749.3	B	Kitt Peak
213462	mgc046	11:30:00.00	+00:00:00.0	J2000.00	1.146	180.0	23:53:52.6	748.9	B	Kitt Peak
213462	mgc046	11:30:00.00	+00:00:00.0	J2000.00	1.146	180.0	23:53:52.6	748.9	B	Kitt Peak
213463	mgc047	11:32:00.00	+00:00:00.0	J2000.00	1.141	180.0	00:10:07.7	749.2	B	Kitt Peak
213463	mgc047	11:32:00.00	+00:00:00.0	J2000.00	1.141	180.0	00:10:07.7	749.2	B	Kitt Peak
213464	mgc048	11:34:00.00	-00:00:00.0	J2000.00	1.141	180.0	00:26:09.4	749.3	B	Kitt Peak
213464	mgc048	11:34:00.00	-00:00:00.0	J2000.00	1.141	180.0	00:26:09.4	749.3	B	Kitt Peak
213465	mgc049	11:36:00.00	+00:00:00.0	J2000.00	1.145	180.0	00:41:53.0	749.3	B	Kitt Peak
213465	mgc049	11:36:00.00	+00:00:00.0	J2000.00	1.145	180.0	00:41:53.0	749.3	B	Kitt Peak
213466	mgc050	11:38:00.00	+00:00:00.0	J2000.00	1.157	180.0	01:02:40.8	749.4	B	Kitt Peak
213466	mgc050	11:38:00.00	+00:00:00.0	J2000.00	1.157	180.0	01:02:40.8	749.4	B	Kitt Peak
213467	mgc051	11:40:00.00	+00:00:00.0	J2000.00	1.170	180.0	01:17:32.1	749.4	B	Kitt Peak
213468	mgc052	11:41:59.99	+00:00:00.0	J2000.00	1.187	180.0	01:32:47.4	749.4	B	Kitt Peak
213469	sa104-490	12:44:33.40	-00:25:51.9	J2000.00	1.147	180.0	01:47:39.8	60.1	B	Kitt Peak
213470	sa104-490 Z	12:44:33.40	-00:25:51.9	J2000.00	1.182	180.1	02:33:23.7	120.0	z	Gunn
213471	Focus run	12:44:33.40	-00:23:21.9	J2000.00	1.189	180.1	02:40:54.9	15.1	z	Gunn
213472	sa104-490 Z	12:44:33.39	-00:25:52.0	J2000.00	1.206	180.1	02:48:50.9	120.0	z	Gunn
213473	mgc126 Z	14:10:00.00	+00:00:00.0	J2000.00	1.141	180.1	02:59:29.4	1198.8	z	Gunn
213474	mgc127 Z	14:12:00.00	-00:00:00.0	J2000.00	1.150	180.1	03:22:43.4	1198.8	z	Gunn
213477	mgc128 Z	14:14:00.00	-00:00:00.0	J2000.00	1.174	180.1	03:50:21.6	1198.6	z	Gunn
213478	mgc129 Z	14:15:59.99	-00:00:00.1	J2000.00	1.206	180.1	04:13:53.5	1198.9	z	Gunn
213479	mgc130 z	14:18:00.00	+00:00:00.0	J2000.00	1.254	180.1	04:38:08.1	1198.8	z	Gunn
213480	mgc131 z	14:20:00.00	+00:00:00.0	J2000.00	1.318	180.1	05:02:11.0	1198.7	z	Gunn
213481	mgc132 z	14:22:00.00	+00:00:00.0	J2000.00	1.404	180.1	05:26:23.6	1198.8	z	Gunn
213482	sa107-601Z	15:39:13.79	-00:13:27.9	J2000.00	1.245	180.1	06:03:13.4	120.0	z	Gunn
213483	sa107-601 Z	15:39:13.80	-00:13:27.9	J2000.00	1.253	180.1	06:06:39.2	120.1	z	Gunn