```
INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  19991206
TAPE NR:               INTD4243
OBSERVER:              Jasper Wall, Chris Blake
PROGRAMME:             INT WFC Survey
PATT/CAT REF.:         WFS10
TELESCOPE OPERATOR:    J Rey
SUPPORT ASTRONOMER:    R Corradi

TELESCOPE FOCUS:       46.0 mm
CALIBRATE RESULTS:     not specified

INSTRUMENT:            WFC

WFC FILTER WHEEL:      i,KPB,Z,R,V,r

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

TEMPERATURE, HUMIDITY and WIND:
   UT    Temp   Hum%  Wspd  Wdir
19:00    2.0   100    25   142
20:00    2.3   100    39   160
21:00    2.4   100    38   118
22:00    2.4   100    34   178
23:00    2.2   100    29   140
00:00    1.9   100    26   169
01:00    2.1   100    24   148
02:00    2.0   100    16   156
03:00    1.7   100    36   139
04:00    1.8   100    25   145

SUNSET(UT)             18:22
EVENING TWILIGHT(UT)   19:38
MORNING TWILIGHT(UT)   06:27
SUNRISE(UT)            07:43
MOON'S QUARTER (1-4)   4
DISK % OF ILLUM.       2
DARK TIME              10:49
TWILIGHT TIME          02:32
MOONRISE(UT)           07:08
MOONSET(UT)            No moonset within sunset-sunrise

TIME LOST(WEATHER):    10:49
TIME LOST(TECHNICAL):  00:00
TIME LOST(OTHER):      00:00

COMMENTS:
  all night lost due to high humidity
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
203204	Bias frame	0:00:00.00	+00:00:00.0	A	4.519	180.0	15:00:42.7	0.0	r	Sloan			
203205	Dark frame	0:00:00.00	+00:00:00.0	A	4.519	180.0	15:04:07.0	600.0	r	Sloan			

203206	Dark_300	0:00:00.00	+00:00:00.0	A	4.539	180.0	16:30:28.1	300.0	R	Harris
203207	Dark_3600	0:00:00.00	+00:00:00.0	A	4.539	180.0	16:43:47.5	3600.0	R	Harris
203208	Bias_1	0:00:00.00	+00:00:00.0	A	1.000	180.0	19:25:34.3	0.0	R	Harris
203209	Bias_2	0:00:00.00	+00:00:00.0	A	1.000	180.0	19:30:08.0	0.0	R	Harris
203210	Bias_3	0:00:00.00	+00:00:00.0	A	1.000	180.0	19:59:03.8	0.0	R	Harris
203211	Bias_4	0:00:00.00	+00:00:00.0	A	1.000	180.0	20:00:08.5	0.0	R	Harris
203212	Bias_5	0:00:00.00	+00:00:00.0	A	1.000	180.0	20:01:16.4	0.0	R	Harris
203213	Dark frame	0:00:00.00	+00:00:00.0	A	1.000	180.0	20:04:33.0	7200.0	R	Harris
203215	Flat field	23:54:08.90	+59:28:17.9	B1950.00	1.386	180.0	23:11:54.4	33.2	i	Sloan
203216	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.404	180.0	23:17:57.0	99.5	r	Sloan
203217	Flat field	23:54:08.89	+59:28:17.9	B1950.00	1.420	180.0	23:23:44.4	59.8	V	Harris
203218	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.432	180.0	23:28:03.3	10.6	R	Harris
203219	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.441	180.0	23:31:13.6	6.6	z	Gunn
203220	Flat field	23:54:08.90	+59:28:18.0	B1950.00	1.459	180.0	23:36:19.7	57.8	B	Kitt Peak