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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1998 OCT 21/22
INT TAPE NR:           INTD 3831
OBSERVER:              M. Irwin
PROGRAMME:             Wide Field Survey
PATT/CAT:              WFS09
TELESCOPE OPERATOR:    N/A
SUPPORT ASTRONOMER:    N/A

FOCUS:                 PRIME
INSTRUMENT:            WFC
FILTER WHEEL (PF):     UkpBVRIZ
CAMERA (IDS):          -
COLLIMATOR (IDS):      -
COLL. FOCUS (IDS):     -
GRATING (IDS):         -
DETECTOR:              4 EEV 2kx4k
PIXELS:                2148x4200
PIXEL SIZE (microns): 13.5
WINDOW:                Xstart=0, Xsize=2048, Ystart=0, Ysize=4200
BINNING:               in X=1, in Y=1

WEATHER:               Cloud at start good later
OUTSIDE TEMP (deg C):   10              (FIRST HALF)
OUTSIDE TEMP (deg C):    8              (SECOND HALF)
HUMIDITY (%):           30              (FIRST HALF)
HUMIDITY (%):           30              (SECOND HALF)
CLOUD COVER (%):        20              (FIRST HALF)
CLOUD COVER (%):         0              (SECOND HALF)
DUST (0 - 2):            0              (FIRST HALF)
DUST (0 - 2):            0              (SECOND HALF)
SEEING (arcsec):       1.5              (FIRST HALF)
SEEING (arcsec):       1.0              (SECOND HALF)
AV. SEEING (arcsec):     -
NO. SEEING MEASURES:     -

UTC    TELESCOPE                CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TubeTemp  Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:            10:00
DOME OPEN (UTC):       19:20
MOON PHASE (D/G/B):        D
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:05
DK HRS LOST (DOME):    00:00
DK HRS LOST (INSTR.): 00:10
DK HRS LOST (DET.):    00:00
DK HRS LOST (COMPS.): 00:00
DK HRS LOST (A&G):     00:00
DK HRS LOST (OTHER):   00:00

COMMENTS:

Lost 1/2 hour at start to cloud

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Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments
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129735	Flat field	16:59:59.99	+29:59:59.9	J2000.00	1.243	179.8	18:59:44.9	1.6	V	Harris	1	1 x 1
129736	Flat field	16:59:59.99	+29:59:59.9	J2000.00	1.243	179.8	18:59:44.9	1.6	V	Harris	5	1 x 1
129737	Flat field	16:59:59.99	+29:59:59.9	J2000.00	1.243	179.8	18:59:44.9	1.6	V	Harris	3	1 x 1
129738	Flat field	16:59:59.99	+29:59:59.9	J2000.00	1.243	179.8	18:59:44.9	1.6	V	Harris	4	1 x 1
129739	Flat field	17:00:02.30	+30:00:00.0	J2000.00	1.254	179.8	19:02:49.3	4.1	V	Harris	1	1 x 1
129740	Flat field	17:00:02.30	+30:00:00.0	J2000.00	1.254	179.8	19:02:49.3	4.1	V	Harris	5	1 x 1
129741	Flat field	17:00:02.30	+30:00:00.0	J2000.00	1.254	179.8	19:02:49.3	4.1	V	Harris	3	1 x 1
129742	Flat field	17:00:02.30	+30:00:00.0	J2000.00	1.254	179.8	19:02:49.3	4.1	V	Harris	4	1 x 1
129743	Flat field	17:00:02.31	+30:00:00.0	J2000.00	1.265	179.8	19:05:52.9	4.1	I	INT-WFC	1	1 x 1
129744	Flat field	17:00:02.31	+30:00:00.0	J2000.00	1.265	179.8	19:05:52.9	4.1	I	INT-WFC	5	1 x 1
129745	Flat field	17:00:02.31	+30:00:00.0	J2000.00	1.265	179.8	19:05:52.9	4.1	I	INT-WFC	3	1 x 1
129746	Flat field	17:00:02.31	+30:00:00.0	J2000.00	1.265	179.8	19:05:52.9	4.1	I	INT-WFC	4	1 x 1
129747	Flat field	16:59:59.99	+30:00:00.0	J2000.00	1.276	179.8	19:08:54.7	8.1	I	INT-WFC	1	1 x 1
129748	Flat field	16:59:59.99	+30:00:00.0	J2000.00	1.276	179.8	19:08:54.7	8.1	I	INT-WFC	5	1 x 1
129749	Flat field	16:59:59.99	+30:00:00.0	J2000.00	1.276	179.8	19:08:54.7	8.1	I	INT-WFC	3	1 x 1
129750	Flat field	16:59:59.99	+30:00:00.0	J2000.00	1.276	179.8	19:08:54.7	8.1	I	INT-WFC	4	1 x 1
129751	Flat field	16:59:57.69	+29:59:30.0	J2000.00	1.289	179.8	19:12:11.3	16.1	I	INT-WFC	1	1 x 1
129752	Flat field	16:59:57.69	+29:59:30.0	J2000.00	1.289	179.8	19:12:11.3	16.1	I	INT-WFC	5	1 x 1
129753	Flat field	16:59:57.69	+29:59:30.0	J2000.00	1.289	179.8	19:12:11.3	16.1	I	INT-WFC	3	1 x 1
129754	Flat field	16:59:57.69	+29:59:30.0	J2000.00	1.289	179.8	19:12:11.3	16.1	I	INT-WFC	4	1 x 1
129755	Focus run	21:42:35.00	+00:18:31.0	J2000.00	1.166	179.8	20:03:34.4	10.1	V	Harris	1	1 x 1
129756	Focus run	21:42:35.00	+00:18:31.0	J2000.00	1.166	179.8	20:03:34.4	10.1	V	Harris	5	1 x 1
129757	Focus run	21:42:35.00	+00:18:31.0	J2000.00	1.166	179.8	20:03:34.4	10.1	V	Harris	3	1 x 1
129758	Focus run	21:42:35.00	+00:18:31.0	J2000.00	1.166	179.8	20:03:34.4	10.1	V	Harris	4	1 x 1
129763	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.155	179.8	20:13:47.9	10.1	U	RGO	1	1 x 1
129764	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.155	179.8	20:13:47.9	10.1	U	RGO	5	1 x 1
129765	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.155	179.8	20:13:47.9	10.1	U	RGO	3	1 x 1
129766	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.155	179.8	20:13:47.9	10.1	U	RGO	4	1 x 1
129767	sa113-163 KPB	21:42:35.00	+00:16:45.9	J2000.00	1.152	179.8	20:17:06.3	5.1	B	KpnoB	1	1 x 1
129768	sa113-163 KPB	21:42:35.00	+00:16:45.9	J2000.00	1.152	179.8	20:17:06.3	5.1	B	KpnoB	5	1 x 1
129769	sa113-163 KPB	21:42:35.00	+00:16:45.9	J2000.00	1.152	179.8	20:17:06.3	5.1	B	KpnoB	3	1 x 1
129770	sa113-163 KPB	21:42:35.00	+00:16:45.9	J2000.00	1.152	179.8	20:17:06.3	5.1	B	KpnoB	4	1 x 1
129771	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.150	179.8	20:20:14.8	5.1	V	Harris	1	1 x 1
129772	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.150	179.8	20:20:14.8	5.1	V	Harris	5	1 x 1
129773	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.150	179.8	20:20:14.8	5.1	V	Harris	3	1 x 1
129774	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.150	179.8	20:20:14.8	5.1	V	Harris	4	1 x 1
129775	sa113-163 R	21:42:35.00	+00:16:46.0	J2000.00	1.147	179.8	20:23:25.7	5.1	R	Harris	1	1 x 1
129776	sa113-163 R	21:42:35.00	+00:16:46.0	J2000.00	1.147	179.8	20:23:25.7	5.1	R	Harris	5	1 x 1
129777	sa113-163 R	21:42:35.00	+00:16:46.0	J2000.00	1.147	179.8	20:23:25.7	5.1	R	Harris	3	1 x 1
129778	sa113-163 R	21:42:35.00	+00:16:46.0	J2000.00	1.147	179.8	20:23:25.7	5.1	R	Harris	4	1 x 1
129779	sa113-163 I	21:42:35.00	+00:16:46.0	J2000.00	1.145	179.8	20:26:34.4	5.1	I	INT-WFC	1	1 x 1
129780	sa113-163 I	21:42:35.00	+00:16:46.0	J2000.00	1.145	179.8	20:26:34.4	5.1	I	INT-WFC	5	1 x 1
129781	sa113-163 I	21:42:35.00	+00:16:46.0	J2000.00	1.145	179.8	20:26:34.4	5.1	I	INT-WFC	3	1 x 1
129782	sa113-163 I	21:42:35.00	+00:16:46.0	J2000.00	1.145	179.8	20:26:34.4	5.1	I	INT-WFC	4	1 x 1
129783	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.186	179.8	20:34:20.5	599.6	V	Harris	1	1 x 1
129784	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.186	179.8	20:34:20.5	599.6	V	Harris	5	1 x 1
129785	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.186	179.8	20:34:20.5	599.6	V	Harris	3	1 x 1
129786	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.186	179.8	20:34:20.5	599.6	V	Harris	4	1 x 1
129787	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.167	179.8	20:47:24.1	599.5	B	KpnoB	1	1 x 1
129788	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.167	179.8	20:47:24.1	599.5	B	KpnoB	5	1 x 1
129789	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.167	179.8	20:47:24.1	599.5	B	KpnoB	3	1 x 1
129790	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.167	179.8	20:47:24.1	599.5	B	KpnoB	4	1 x 1
129791	wfsj2240+0000_016	22:36:48.00	+00:40:00.0	J2000.00	1.153	179.8	21:00:30.6	599.4	I	INT-WFC	1	1 x 1
129792	wfsj2240+0000_016	22:36:48.00	+00:40:00.0	J2000.00	1.153	179.8	21:00:30.6	599.4	I	INT-WFC	5	1 x 1
129793	wfsj2240+0000_016	22:36:48.00	+00:40:00.0	J2000.00	1.153	179.8	21:00:30.6	599.4	I	INT-WFC	3	1 x 1
129794	wfsj2240+0000_016	22:36:48.00	+00:40:00.0	J2000.00	1.153	179.8	21:00:30.6	599.4	I	INT-WFC	4	1 x 1
129795	wfsj2240+0000_016	22:36:47.99	+00:40:00.0	J2000.00	1.143	179.8	21:13:33.7	599.4	R	Harris	1	1 x 1
129796	wfsj2240+0000_016	22:36:47.99	+00:40:00.0	J2000.00	1.143	179.8	21:13:33.7	599.4	R	Harris	5	1 x 1
129797	wfsj2240+0000_016	22:36:47.99	+00:40:00.0	J2000.00	1.143	179.8	21:13:33.7	599.4	R	Harris	3	1 x 1
129798	wfsj2240+0000_016	22:36:47.99	+00:40:00.0	J2000.00	1.143	179.8	21:13:33.7	599.4	R	Harris	4	1 x 1
129799	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:28:56.9	599.4	V	Harris	1	1 x 1
129800	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:28:56.9	599.4	V	Harris	5	1 x 1

129801	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:28:56.9	599.4	V	Harris	3	1 x 1
129802	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:28:56.9	599.4	V	Harris	4	1 x 1
129803	wfsj2240+0000_017	22:36:47.99	+01:00:00.0	J2000.00	1.130	179.8	21:43:01.2	599.5	B	KpnoB	1	1 x 1
129804	wfsj2240+0000_017	22:36:47.99	+01:00:00.0	J2000.00	1.130	179.8	21:43:01.2	599.5	B	KpnoB	5	1 x 1
129805	wfsj2240+0000_017	22:36:47.99	+01:00:00.0	J2000.00	1.130	179.8	21:43:01.2	599.5	B	KpnoB	3	1 x 1
129806	wfsj2240+0000_017	22:36:47.99	+01:00:00.0	J2000.00	1.130	179.8	21:43:01.2	599.5	B	KpnoB	4	1 x 1
129807	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:56:06.9	599.4	I	INT-WFC	1	1 x 1
129808	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:56:06.9	599.4	I	INT-WFC	5	1 x 1
129809	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:56:06.9	599.4	I	INT-WFC	3	1 x 1
129810	wfsj2240+0000_017	22:36:48.00	+01:00:00.0	J2000.00	1.132	179.8	21:56:06.9	599.4	I	INT-WFC	4	1 x 1
129811	wfsj2240+0000_017	22:36:48.00	+00:59:59.9	J2000.00	1.137	179.8	22:09:10.7	599.5	R	Harris	1	1 x 1
129812	wfsj2240+0000_017	22:36:48.00	+00:59:59.9	J2000.00	1.137	179.8	22:09:10.7	599.5	R	Harris	5	1 x 1
129813	wfsj2240+0000_017	22:36:48.00	+00:59:59.9	J2000.00	1.137	179.8	22:09:10.7	599.5	R	Harris	3	1 x 1
129814	wfsj2240+0000_017	22:36:48.00	+00:59:59.9	J2000.00	1.137	179.8	22:09:10.7	599.5	R	Harris	4	1 x 1
129815	wfsj2240+0000_018	22:36:47.90	+01:20:00.0	J2000.00	1.146	179.8	22:25:36.9	599.5	V	Harris	1	1 x 1
129816	wfsj2240+0000_018	22:36:47.90	+01:20:00.0	J2000.00	1.146	179.8	22:25:36.9	599.5	V	Harris	5	1 x 1
129817	wfsj2240+0000_018	22:36:47.90	+01:20:00.0	J2000.00	1.146	179.8	22:25:36.9	599.5	V	Harris	3	1 x 1
129818	wfsj2240+0000_018	22:36:47.90	+01:20:00.0	J2000.00	1.146	179.8	22:25:36.9	599.5	V	Harris	4	1 x 1
129819	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.161	179.8	22:38:40.3	599.5	B	KpnoB	1	1 x 1
129820	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.161	179.8	22:38:40.3	599.5	B	KpnoB	5	1 x 1
129821	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.161	179.8	22:38:40.3	599.5	B	KpnoB	3	1 x 1
129822	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.161	179.8	22:38:40.3	599.5	B	KpnoB	4	1 x 1
129823	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.179	179.8	22:51:44.7	599.4	I	INT-WFC	1	1 x 1
129824	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.179	179.8	22:51:44.7	599.4	I	INT-WFC	5	1 x 1
129825	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.179	179.8	22:51:44.7	599.4	I	INT-WFC	3	1 x 1
129826	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.179	179.8	22:51:44.7	599.4	I	INT-WFC	4	1 x 1
129827	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.202	179.8	23:04:48.1	599.5	R	Harris	1	1 x 1
129828	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.202	179.8	23:04:48.1	599.5	R	Harris	5	1 x 1
129829	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.202	179.8	23:04:48.1	599.5	R	Harris	3	1 x 1
129830	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.202	179.8	23:04:48.1	599.5	R	Harris	4	1 x 1
129831	Focus run	0:55:00.00	+00:45:28.0	J2000.00	1.152	179.8	23:24:15.2	10.1	R	Harris	1	1 x 1
129832	Focus run	0:55:00.00	+00:45:28.0	J2000.00	1.152	179.8	23:24:15.2	10.1	R	Harris	5	1 x 1
129833	Focus run	0:55:00.00	+00:45:28.0	J2000.00	1.152	179.8	23:24:15.2	10.1	R	Harris	3	1 x 1
129834	Focus run	0:55:00.00	+00:45:28.0	J2000.00	1.152	179.8	23:24:15.2	10.1	R	Harris	4	1 x 1
129835	sa92-335 U	0:55:00.00	+00:44:13.0	J2000.00	1.146	179.8	23:30:26.7	10.1	U	RGO	1	1 x 1
129836	sa92-335 U	0:55:00.00	+00:44:13.0	J2000.00	1.146	179.8	23:30:26.7	10.1	U	RGO	5	1 x 1
129837	sa92-335 U	0:55:00.00	+00:44:13.0	J2000.00	1.146	179.8	23:30:26.7	10.1	U	RGO	3	1 x 1
129838	sa92-335 U	0:55:00.00	+00:44:13.0	J2000.00	1.146	179.8	23:30:26.7	10.1	U	RGO	4	1 x 1
129839	sa92-335 KPB	0:55:00.00	+00:44:12.9	J2000.00	1.143	179.8	23:33:45.0	5.1	B	KpnoB	1	1 x 1
129840	sa92-335 KPB	0:55:00.00	+00:44:12.9	J2000.00	1.143	179.8	23:33:45.0	5.1	B	KpnoB	5	1 x 1
129841	sa92-335 KPB	0:55:00.00	+00:44:12.9	J2000.00	1.143	179.8	23:33:45.0	5.1	B	KpnoB	3	1 x 1
129842	sa92-335 KPB	0:55:00.00	+00:44:12.9	J2000.00	1.143	179.8	23:33:45.0	5.1	B	KpnoB	4	1 x 1
129843	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.141	179.8	23:36:53.4	5.1	V	Harris	1	1 x 1
129844	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.141	179.8	23:36:53.4	5.1	V	Harris	5	1 x 1
129845	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.141	179.8	23:36:53.4	5.1	V	Harris	3	1 x 1
129846	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.141	179.8	23:36:53.4	5.1	V	Harris	4	1 x 1
129847	sa92-335 R	0:55:00.00	+00:44:12.9	J2000.00	1.140	179.8	23:40:04.1	5.1	R	Harris	1	1 x 1
129848	sa92-335 R	0:55:00.00	+00:44:12.9	J2000.00	1.140	179.8	23:40:04.1	5.1	R	Harris	5	1 x 1
129849	sa92-335 R	0:55:00.00	+00:44:12.9	J2000.00	1.140	179.8	23:40:04.1	5.1	R	Harris	3	1 x 1
129850	sa92-335 R	0:55:00.00	+00:44:12.9	J2000.00	1.140	179.8	23:40:04.1	5.1	R	Harris	4	1 x 1
129851	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.138	179.8	23:43:12.6	4.6	I	INT-WFC	1	1 x 1
129852	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.138	179.8	23:43:12.6	4.6	I	INT-WFC	5	1 x 1
129853	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.138	179.8	23:43:12.6	4.6	I	INT-WFC	3	1 x 1
129854	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.138	179.8	23:43:12.6	4.6	I	INT-WFC	4	1 x 1
129855	M31 Hewett 1	0:44:00.00	+41:33:59.9	J2000.00	1.026	179.8	23:51:25.5	599.5	V	Harris	1	1 x 1
129856	M31 Hewett 1	0:44:00.00	+41:33:59.9	J2000.00	1.026	179.8	23:51:25.5	599.5	V	Harris	5	1 x 1
129857	M31 Hewett 1	0:44:00.00	+41:33:59.9	J2000.00	1.026	179.8	23:51:25.5	599.5	V	Harris	3	1 x 1
129858	M31 Hewett 1	0:44:00.00	+41:33:59.9	J2000.00	1.026	179.8	23:51:25.5	599.5	V	Harris	4	1 x 1
129859	M31 Hewett 1	0:43:59.99	+41:34:00.0	J2000.00	1.027	179.8	00:04:30.6	599.4	V	Harris	1	1 x 1
129860	M31 Hewett 1	0:43:59.99	+41:34:00.0	J2000.00	1.027	179.8	00:04:30.6	599.4	V	Harris	5	1 x 1
129861	M31 Hewett 1	0:43:59.99	+41:34:00.0	J2000.00	1.027	179.8	00:04:30.6	599.4	V	Harris	3	1 x 1
129862	M31 Hewett 1	0:43:59.99	+41:34:00.0	J2000.00	1.027	179.8	00:04:30.6	599.4	V	Harris	4	1 x 1

129863	M31 Hewett 2	0:42:30.00	+41:00:00.0	J2000.00	1.030	179.8	00:19:21.2	599.5	V	Harris	1	1 x 1
129864	M31 Hewett 2	0:42:30.00	+41:00:00.0	J2000.00	1.030	179.8	00:19:21.2	599.5	V	Harris	5	1 x 1
129865	M31 Hewett 2	0:42:30.00	+41:00:00.0	J2000.00	1.030	179.8	00:19:21.2	599.5	V	Harris	3	1 x 1
129866	M31 Hewett 2	0:42:30.00	+41:00:00.0	J2000.00	1.030	179.8	00:19:21.2	599.5	V	Harris	4	1 x 1
129867	M31 Hewett 2	0:42:30.00	+40:59:59.9	J2000.00	1.036	179.8	00:32:25.9	599.4	V	Harris	1	1 x 1
129868	M31 Hewett 2	0:42:30.00	+40:59:59.9	J2000.00	1.036	179.8	00:32:25.9	599.4	V	Harris	5	1 x 1
129869	M31 Hewett 2	0:42:30.00	+40:59:59.9	J2000.00	1.036	179.8	00:32:25.9	599.4	V	Harris	3	1 x 1
129870	M31 Hewett 2	0:42:30.00	+40:59:59.9	J2000.00	1.036	179.8	00:32:25.9	599.4	V	Harris	4	1 x 1
129871	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.213	179.8	00:49:31.6	599.4	U	RGO	1	1 x 1
129872	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.213	179.8	00:49:31.6	599.4	U	RGO	5	1 x 1
129873	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.213	179.8	00:49:31.6	599.4	U	RGO	3	1 x 1
129874	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.213	179.8	00:49:31.6	599.4	U	RGO	4	1 x 1
129879	wfsj0219-0500_033	2:20:04.20	-04:40:00.0	J2000.00	1.203	179.8	01:04:17.8	599.4	V	Harris	1	1 x 1
129880	wfsj0219-0500_033	2:20:04.20	-04:40:00.0	J2000.00	1.203	179.8	01:04:17.8	599.4	V	Harris	5	1 x 1
129881	wfsj0219-0500_033	2:20:04.20	-04:40:00.0	J2000.00	1.203	179.8	01:04:17.8	599.4	V	Harris	3	1 x 1
129882	wfsj0219-0500_033	2:20:04.20	-04:40:00.0	J2000.00	1.203	179.8	01:04:17.8	599.4	V	Harris	4	1 x 1
129883	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.199	179.8	01:17:21.5	599.3	B	KpnoB	1	1 x 1
129884	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.199	179.8	01:17:21.5	599.3	B	KpnoB	5	1 x 1
129885	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.199	179.8	01:17:21.5	599.3	B	KpnoB	3	1 x 1
129886	wfsj0219-0500_033	2:20:04.20	-04:39:59.9	J2000.00	1.199	179.8	01:17:21.5	599.3	B	KpnoB	4	1 x 1
129887	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.198	179.8	01:30:27.2	599.5	I	INT-WFC	1	1 x 1
129888	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.198	179.8	01:30:27.2	599.5	I	INT-WFC	5	1 x 1
129889	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.198	179.8	01:30:27.2	599.5	I	INT-WFC	3	1 x 1
129890	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.198	179.8	01:30:27.2	599.5	I	INT-WFC	4	1 x 1
129891	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.202	179.8	01:43:30.1	599.4	R	Harris	1	1 x 1
129892	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.202	179.8	01:43:30.1	599.4	R	Harris	5	1 x 1
129893	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.202	179.8	01:43:30.1	599.4	R	Harris	3	1 x 1
129894	wfsj0219-0500_033	2:20:04.19	-04:40:00.0	J2000.00	1.202	179.8	01:43:30.1	599.4	R	Harris	4	1 x 1
129899	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.176	179.8	02:04:14.9	599.4	V	Harris	1	1 x 1
129900	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.176	179.8	02:04:14.9	599.4	V	Harris	5	1 x 1
129901	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.176	179.8	02:04:14.9	599.4	V	Harris	3	1 x 1
129902	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.176	179.8	02:04:14.9	599.4	V	Harris	4	1 x 1
129903	wfsj0354+0010_041	3:57:00.00	+00:10:00.1	J2000.00	1.161	179.8	02:17:18.4	599.5	B	KpnoB	1	1 x 1
129904	wfsj0354+0010_041	3:57:00.00	+00:10:00.1	J2000.00	1.161	179.8	02:17:18.4	599.5	B	KpnoB	5	1 x 1
129905	wfsj0354+0010_041	3:57:00.00	+00:10:00.1	J2000.00	1.161	179.8	02:17:18.4	599.5	B	KpnoB	3	1 x 1
129906	wfsj0354+0010_041	3:57:00.00	+00:10:00.1	J2000.00	1.161	179.8	02:17:18.4	599.5	B	KpnoB	4	1 x 1
129907	wfsj0354+0010_041	3:57:00.00	+00:09:59.9	J2000.00	1.150	179.8	02:30:24.3	599.6	I	INT-WFC	1	1 x 1
129908	wfsj0354+0010_041	3:57:00.00	+00:09:59.9	J2000.00	1.150	179.8	02:30:24.3	599.6	I	INT-WFC	5	1 x 1
129909	wfsj0354+0010_041	3:57:00.00	+00:09:59.9	J2000.00	1.150	179.8	02:30:24.3	599.6	I	INT-WFC	3	1 x 1
129910	wfsj0354+0010_041	3:57:00.00	+00:09:59.9	J2000.00	1.150	179.8	02:30:24.3	599.6	I	INT-WFC	4	1 x 1
129911	wfsj0354+0010_041	3:56:59.99	+00:09:59.9	J2000.00	1.142	179.8	02:43:26.8	599.6	R	Harris	1	1 x 1
129912	wfsj0354+0010_041	3:56:59.99	+00:09:59.9	J2000.00	1.142	179.8	02:43:26.8	599.6	R	Harris	5	1 x 1
129913	wfsj0354+0010_041	3:56:59.99	+00:09:59.9	J2000.00	1.142	179.8	02:43:26.8	599.6	R	Harris	3	1 x 1
129914	wfsj0354+0010_041	3:56:59.99	+00:09:59.9	J2000.00	1.142	179.8	02:43:26.8	599.6	R	Harris	4	1 x 1
129915	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.139	179.8	02:58:53.5	599.6	U	RGO	1	1 x 1
129916	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.139	179.8	02:58:53.5	599.6	U	RGO	5	1 x 1
129917	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.139	179.8	02:58:53.5	599.6	U	RGO	3	1 x 1
129918	wfsj0354+0010_041	3:57:00.00	+00:10:00.0	J2000.00	1.139	179.8	02:58:53.5	599.6	U	RGO	4	1 x 1
129919	wfsj0219-0500_021	2:17:55.70	-05:40:00.0	J2000.00	1.394	179.8	03:18:10.9	599.4	R	Harris	1	1 x 1
129920	wfsj0219-0500_021	2:17:55.70	-05:40:00.0	J2000.00	1.394	179.8	03:18:10.9	599.4	R	Harris	5	1 x 1
129921	wfsj0219-0500_021	2:17:55.70	-05:40:00.0	J2000.00	1.394	179.8	03:18:10.9	599.4	R	Harris	3	1 x 1
129922	wfsj0219-0500_021	2:17:55.70	-05:40:00.0	J2000.00	1.394	179.8	03:18:10.9	599.4	R	Harris	4	1 x 1
129923	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.444	179.8	03:31:11.4	599.5	V	Harris	1	1 x 1
129924	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.444	179.8	03:31:11.4	599.5	V	Harris	5	1 x 1
129925	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.444	179.8	03:31:11.4	599.5	V	Harris	3	1 x 1
129926	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.444	179.8	03:31:11.4	599.5	V	Harris	4	1 x 1
129931	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.511	179.8	03:45:28.6	599.0	B	KpnoB	1	1 x 1
129932	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.511	179.8	03:45:28.6	599.0	B	KpnoB	5	1 x 1
129933	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.511	179.8	03:45:28.6	599.0	B	KpnoB	3	1 x 1
129934	wfsj0219-0500_021	2:17:55.70	-05:39:59.9	J2000.00	1.511	179.8	03:45:28.6	599.0	B	KpnoB	4	1 x 1
129935	wfsj0219-0500_021	2:17:55.69	-05:40:00.0	J2000.00	1.582	179.8	03:58:25.1	599.4	I	INT-WFC	1	1 x 1
129936	wfsj0219-0500_021	2:17:55.69	-05:40:00.0	J2000.00	1.582	179.8	03:58:25.1	599.4	I	INT-WFC	5	1 x 1

129937	wfsj0219-0500_021	2:17:55.69	-05:40:00.0	J2000.00	1.582	179.8	03:58:25.1	599.4	I	INT-WFC	3	1 x 1	
129938	wfsj0219-0500_021	2:17:55.69	-05:40:00.0	J2000.00	1.582	179.8	03:58:25.1	599.4	I	INT-WFC	4	1 x 1	
129943	wfsj0354+0010_034	3:54:59.99	+00:50:00.0	J2000.00	1.199	179.8	04:17:35.9	599.4	U	RGO	1	1 x 1	
129944	wfsj0354+0010_034	3:54:59.99	+00:50:00.0	J2000.00	1.199	179.8	04:17:35.9	599.4	U	RGO	5	1 x 1	
129945	wfsj0354+0010_034	3:54:59.99	+00:50:00.0	J2000.00	1.199	179.8	04:17:35.9	599.4	U	RGO	3	1 x 1	
129946	wfsj0354+0010_034	3:54:59.99	+00:50:00.0	J2000.00	1.199	179.8	04:17:35.9	599.4	U	RGO	4	1 x 1	
129947	wfsj0354+0010_033	3:54:59.99	+00:29:59.9	J2000.00	1.236	179.8	04:33:13.8	599.2	U	RGO	1	1 x 1	
129948	wfsj0354+0010_033	3:54:59.99	+00:29:59.9	J2000.00	1.236	179.8	04:33:13.8	599.2	U	RGO	5	1 x 1	
129949	wfsj0354+0010_033	3:54:59.99	+00:29:59.9	J2000.00	1.236	179.8	04:33:13.8	599.2	U	RGO	3	1 x 1	
129950	wfsj0354+0010_033	3:54:59.99	+00:29:59.9	J2000.00	1.236	179.8	04:33:13.8	599.2	U	RGO	4	1 x 1	
129951	wfsj0354+0010_032	3:55:00.00	+00:10:00.0	J2000.00	1.278	179.8	04:50:23.6	299.4	U	RGO	1	1 x 1	Not Autoguided
129952	wfsj0354+0010_032	3:55:00.00	+00:10:00.0	J2000.00	1.278	179.8	04:50:23.6	299.4	U	RGO	5	1 x 1	Not Autoguided
129953	wfsj0354+0010_032	3:55:00.00	+00:10:00.0	J2000.00	1.278	179.8	04:50:23.6	299.4	U	RGO	3	1 x 1	Not Autoguided
129954	wfsj0354+0010_032	3:55:00.00	+00:10:00.0	J2000.00	1.278	179.8	04:50:23.6	299.4	U	RGO	4	1 x 1	Not Autoguided
129955	wfsj0354+0010_032	3:55:00.00	+00:09:59.9	J2000.00	1.301	179.8	04:58:21.3	299.8	U	RGO	1	1 x 1	Not Autoguided
129956	wfsj0354+0010_032	3:55:00.00	+00:09:59.9	J2000.00	1.301	179.8	04:58:21.3	299.8	U	RGO	5	1 x 1	Not Autoguided
129957	wfsj0354+0010_032	3:55:00.00	+00:09:59.9	J2000.00	1.301	179.8	04:58:21.3	299.8	U	RGO	3	1 x 1	Not Autoguided
129958	wfsj0354+0010_032	3:55:00.00	+00:09:59.9	J2000.00	1.301	179.8	04:58:21.3	299.8	U	RGO	4	1 x 1	Not Autoguided
129959	wfsj0354+0010_024	3:53:00.00	+00:30:00.0	J2000.00	1.357	179.8	05:11:10.6	599.5	U	RGO	1	1 x 1	Telescope/AG glitch
129960	wfsj0354+0010_024	3:53:00.00	+00:30:00.0	J2000.00	1.357	179.8	05:11:10.6	599.5	U	RGO	5	1 x 1	Telescope/AG glitch
129961	wfsj0354+0010_024	3:53:00.00	+00:30:00.0	J2000.00	1.357	179.8	05:11:10.6	599.5	U	RGO	3	1 x 1	Telescope/AG glitch
129962	wfsj0354+0010_024	3:53:00.00	+00:30:00.0	J2000.00	1.357	179.8	05:11:10.6	599.5	U	RGO	4	1 x 1	Telescope/AG glitch
129963	wfsj0354+0010_023	3:53:00.00	+00:09:59.9	J2000.00	1.455	179.8	05:32:03.7	599.4	U	RGO	1	1 x 1	
129964	wfsj0354+0010_023	3:53:00.00	+00:09:59.9	J2000.00	1.455	179.8	05:32:03.7	599.4	U	RGO	5	1 x 1	
129965	wfsj0354+0010_023	3:53:00.00	+00:09:59.9	J2000.00	1.455	179.8	05:32:03.7	599.4	U	RGO	3	1 x 1	
129966	wfsj0354+0010_023	3:53:00.00	+00:09:59.9	J2000.00	1.455	179.8	05:32:03.7	599.4	U	RGO	4	1 x 1	
129967	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.494	179.8	05:46:55.3	10.1	U	RGO	1	1 x 1	
129968	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.494	179.8	05:46:55.3	10.1	U	RGO	5	1 x 1	
129969	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.494	179.8	05:46:55.3	10.1	U	RGO	3	1 x 1	
129970	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.494	179.8	05:46:55.3	10.1	U	RGO	4	1 x 1	
129971	sa95-330 KPB	3:54:30.99	+00:29:05.0	J2000.00	1.513	179.8	05:50:13.9	5.1	B	KpnoB	1	1 x 1	
129972	sa95-330 KPB	3:54:30.99	+00:29:05.0	J2000.00	1.513	179.8	05:50:13.9	5.1	B	KpnoB	5	1 x 1	
129973	sa95-330 KPB	3:54:30.99	+00:29:05.0	J2000.00	1.513	179.8	05:50:13.9	5.1	B	KpnoB	3	1 x 1	
129974	sa95-330 KPB	3:54:30.99	+00:29:05.0	J2000.00	1.513	179.8	05:50:13.9	5.1	B	KpnoB	4	1 x 1	
129975	sa95-330 V	3:54:31.00	+00:29:05.0	J2000.00	1.531	179.8	05:53:21.9	5.1	V	Harris	1	1 x 1	
129976	sa95-330 V	3:54:31.00	+00:29:05.0	J2000.00	1.531	179.8	05:53:21.9	5.1	V	Harris	5	1 x 1	
129977	sa95-330 V	3:54:31.00	+00:29:05.0	J2000.00	1.531	179.8	05:53:21.9	5.1	V	Harris	3	1 x 1	
129978	sa95-330 V	3:54:31.00	+00:29:05.0	J2000.00	1.531	179.8	05:53:21.9	5.1	V	Harris	4	1 x 1	
129979	sa95-330 R	3:54:31.00	+00:29:05.0	J2000.00	1.551	179.8	05:56:32.8	5.0	R	Harris	1	1 x 1	
129980	sa95-330 R	3:54:31.00	+00:29:05.0	J2000.00	1.551	179.8	05:56:32.8	5.0	R	Harris	5	1 x 1	
129981	sa95-330 R	3:54:31.00	+00:29:05.0	J2000.00	1.551	179.8	05:56:32.8	5.0	R	Harris	3	1 x 1	
129982	sa95-330 R	3:54:31.00	+00:29:05.0	J2000.00	1.551	179.8	05:56:32.8	5.0	R	Harris	4	1 x 1	
129983	sa95-330 I	3:54:31.00	+00:29:05.0	J2000.00	1.571	179.8	05:59:40.8	5.0	I	INT-WFC	1	1 x 1	
129984	sa95-330 I	3:54:31.00	+00:29:05.0	J2000.00	1.571	179.8	05:59:40.8	5.0	I	INT-WFC	5	1 x 1	
129985	sa95-330 I	3:54:31.00	+00:29:05.0	J2000.00	1.571	179.8	05:59:40.8	5.0	I	INT-WFC	3	1 x 1	
129986	sa95-330 I	3:54:31.00	+00:29:05.0	J2000.00	1.571	179.8	05:59:40.8	5.0	I	INT-WFC	4	1 x 1	