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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:            INT
DATE:                 1998 OCT 19/20
INT TAPE NR:          INTD 3829
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:              Good
OUTSIDE TEMP (deg C):   11            (FIRST HALF)
OUTSIDE TEMP (deg C):   11            (SECOND HALF)
HUMIDITY (%):           20            (FIRST HALF)
HUMIDITY (%):           10            (SECOND HALF)
CLOUD COVER (%):         0            (FIRST HALF)
CLOUD COVER (%):         0            (SECOND HALF)
DUST (0 - 2):            0            (FIRST HALF)
DUST (0 - 2):            0            (SECOND HALF)
SEEING (arcsec):       0.9            (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:

MCA final exposure times wrong ie. 0.0 on science 600s sequence

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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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129125	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	13:44:11.4	0.0	R	Harris	1	1 x 1
129126	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	13:44:11.4	0.0	R	Harris	5	1 x 1
129127	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	13:44:11.4	0.0	R	Harris	3	1 x 1
129128	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	13:44:11.4	0.0	R	Harris	4	1 x 1
129129	Bias frame	0:00:00.00	+00:00:00.0	A	2.169	179.8	14:25:16.7	0.0	R	Harris	1	1 x 1
129130	Bias frame	0:00:00.00	+00:00:00.0	A	2.169	179.8	14:25:16.7	0.0	R	Harris	5	1 x 1
129131	Bias frame	0:00:00.00	+00:00:00.0	A	2.169	179.8	14:25:16.7	0.0	R	Harris	3	1 x 1
129132	Bias frame	0:00:00.00	+00:00:00.0	A	2.169	179.8	14:25:16.7	0.0	R	Harris	4	1 x 1
129133	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	15:35:05.5	0.0	z	Gunn	1	1 x 1
129134	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	15:35:05.5	0.0	z	Gunn	5	1 x 1
129135	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	15:35:05.5	0.0	z	Gunn	3	1 x 1
129136	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.8	15:35:05.5	0.0	z	Gunn	4	1 x 1
129137	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:06:41.8	10.2	z	Gunn	1	1 x 1
129138	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:06:41.8	10.2	z	Gunn	5	1 x 1
129139	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:06:41.8	10.2	z	Gunn	3	1 x 1
129140	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:06:41.8	10.2	z	Gunn	4	1 x 1
129141	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:10:34.4	10.1	z	Gunn	1	1 x 1
129142	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:10:34.4	10.1	z	Gunn	5	1 x 1
129143	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:10:34.4	10.1	z	Gunn	3	1 x 1
129144	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:10:34.4	10.1	z	Gunn	4	1 x 1
129145	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:13:37.5	10.1	z	Gunn	1	1 x 1
129146	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:13:37.5	10.1	z	Gunn	5	1 x 1
129147	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:13:37.5	10.1	z	Gunn	3	1 x 1
129148	Flat field	0:00:00.00	+00:00:00.0	A	1.690	179.8	16:13:37.5	10.1	z	Gunn	4	1 x 1
129149	Flat field	20:00:00.00	+19:59:59.9	J2000.00	1.017	179.8	18:52:48.6	1.6	U	RGO	1	1 x 1
129150	Flat field	20:00:00.00	+19:59:59.9	J2000.00	1.017	179.8	18:52:48.6	1.6	U	RGO	5	1 x 1
129151	Flat field	20:00:00.00	+19:59:59.9	J2000.00	1.017	179.8	18:52:48.6	1.6	U	RGO	3	1 x 1
129152	Flat field	20:00:00.00	+19:59:59.9	J2000.00	1.017	179.8	18:52:48.6	1.6	U	RGO	4	1 x 1
129153	Flat field	20:00:02.12	+19:59:59.9	J2000.00	1.016	179.8	18:56:06.3	3.1	U	RGO	1	1 x 1
129154	Flat field	20:00:02.12	+19:59:59.9	J2000.00	1.016	179.8	18:56:06.3	3.1	U	RGO	5	1 x 1
129155	Flat field	20:00:02.12	+19:59:59.9	J2000.00	1.016	179.8	18:56:06.3	3.1	U	RGO	3	1 x 1
129156	Flat field	20:00:02.12	+19:59:59.9	J2000.00	1.016	179.8	18:56:06.3	3.1	U	RGO	4	1 x 1
129157	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.015	179.8	18:59:06.6	8.1	U	RGO	1	1 x 1
129158	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.015	179.8	18:59:06.6	8.1	U	RGO	5	1 x 1
129159	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.015	179.8	18:59:06.6	8.1	U	RGO	3	1 x 1
129160	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.015	179.8	18:59:06.6	8.1	U	RGO	4	1 x 1
129161	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.014	179.8	19:02:35.4	14.1	z	Gunn	1	1 x 1
129162	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.014	179.8	19:02:35.4	14.1	z	Gunn	5	1 x 1
129163	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.014	179.8	19:02:35.4	14.1	z	Gunn	3	1 x 1
129164	Flat field	20:00:02.12	+20:00:30.0	J2000.00	1.014	179.8	19:02:35.4	14.1	z	Gunn	4	1 x 1
129165	Flat field	20:00:00.00	+20:00:00.0	J2000.00	1.013	179.8	19:06:02.8	30.1	z	Gunn	1	1 x 1
129166	Flat field	20:00:00.00	+20:00:00.0	J2000.00	1.013	179.8	19:06:02.8	30.1	z	Gunn	5	1 x 1
129167	Flat field	20:00:00.00	+20:00:00.0	J2000.00	1.013	179.8	19:06:02.8	30.1	z	Gunn	3	1 x 1
129168	Flat field	20:00:00.00	+20:00:00.0	J2000.00	1.013	179.8	19:06:02.8	30.1	z	Gunn	4	1 x 1
129169	Flat field	19:59:57.86	+19:59:30.0	J2000.00	1.012	179.8	19:09:28.3	100.0	z	Gunn	1	1 x 1
129170	Flat field	19:59:57.86	+19:59:30.0	J2000.00	1.012	179.8	19:09:28.3	100.0	z	Gunn	5	1 x 1
129171	Flat field	19:59:57.86	+19:59:30.0	J2000.00	1.012	179.8	19:09:28.3	100.0	z	Gunn	3	1 x 1
129172	Flat field	19:59:57.86	+19:59:30.0	J2000.00	1.012	179.8	19:09:28.3	100.0	z	Gunn	4	1 x 1
129173	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.234	179.8	19:31:19.4	10.1	V	Harris	1	1 x 1
129174	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.234	179.8	19:31:19.4	10.1	V	Harris	5	1 x 1
129175	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.234	179.8	19:31:19.4	10.1	V	Harris	3	1 x 1
129176	Focus run	21:42:35.00	+00:18:30.9	J2000.00	1.234	179.8	19:31:19.4	10.1	V	Harris	4	1 x 1
129177	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.218	179.8	19:37:21.9	10.1	U	RGO	1	1 x 1
129178	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.218	179.8	19:37:21.9	10.1	U	RGO	5	1 x 1
129179	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.218	179.8	19:37:21.9	10.1	U	RGO	3	1 x 1
129180	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.218	179.8	19:37:21.9	10.1	U	RGO	4	1 x 1
129185	SA113-163 B	21:42:35.00	+00:16:46.0	J2000.00	1.211	179.8	19:41:15.5	5.1	B	KpnoB	1	1 x 1
129186	SA113-163 B	21:42:35.00	+00:16:46.0	J2000.00	1.211	179.8	19:41:15.5	5.1	B	KpnoB	5	1 x 1
129187	SA113-163 B	21:42:35.00	+00:16:46.0	J2000.00	1.211	179.8	19:41:15.5	5.1	B	KpnoB	3	1 x 1
129188	SA113-163 B	21:42:35.00	+00:16:46.0	J2000.00	1.211	179.8	19:41:15.5	5.1	B	KpnoB	4	1 x 1
129189	SA113-163 V	21:42:35.00	+00:16:46.0	J2000.00	1.205	179.8	19:44:26.2	5.1	V	Harris	1	1 x 1
129190	SA113-163 V	21:42:35.00	+00:16:46.0	J2000.00	1.205	179.8	19:44:26.2	5.1	V	Harris	5	1 x 1

129191	SA113-163 V	21:42:35.00	+00:16:46.0	J2000.00	1.205	179.8	19:44:26.2	5.1	V	Harris	3	1 x 1	
129192	SA113-163 V	21:42:35.00	+00:16:46.0	J2000.00	1.205	179.8	19:44:26.2	5.1	V	Harris	4	1 x 1	
129193	SA113-163 R	21:42:34.99	+00:16:46.0	J2000.00	1.199	179.8	19:47:29.0	5.1	R	Harris	1	1 x 1	
129194	SA113-163 R	21:42:34.99	+00:16:46.0	J2000.00	1.199	179.8	19:47:29.0	5.1	R	Harris	5	1 x 1	
129195	SA113-163 R	21:42:34.99	+00:16:46.0	J2000.00	1.199	179.8	19:47:29.0	5.1	R	Harris	3	1 x 1	
129196	SA113-163 R	21:42:34.99	+00:16:46.0	J2000.00	1.199	179.8	19:47:29.0	5.1	R	Harris	4	1 x 1	
129197	SA113-163 I	21:42:35.00	+00:16:45.9	J2000.00	1.194	179.8	19:50:30.0	5.1	I	INT-WFC	1	1 x 1	
129198	SA113-163 I	21:42:35.00	+00:16:45.9	J2000.00	1.194	179.8	19:50:30.0	5.1	I	INT-WFC	5	1 x 1	
129199	SA113-163 I	21:42:35.00	+00:16:45.9	J2000.00	1.194	179.8	19:50:30.0	5.1	I	INT-WFC	3	1 x 1	
129200	SA113-163 I	21:42:35.00	+00:16:45.9	J2000.00	1.194	179.8	19:50:30.0	5.1	I	INT-WFC	4	1 x 1	
129205	ukirt_gal v	20:00:03.00	+54:57:17.9	J2000.00	1.127	179.8	20:00:49.3	599.5	V	Harris	1	1 x 1	
129206	ukirt_gal v	20:00:03.00	+54:57:17.9	J2000.00	1.127	179.8	20:00:49.3	599.5	V	Harris	5	1 x 1	
129207	ukirt_gal v	20:00:03.00	+54:57:17.9	J2000.00	1.127	179.8	20:00:49.3	599.5	V	Harris	3	1 x 1	
129208	ukirt_gal v	20:00:03.00	+54:57:17.9	J2000.00	1.127	179.8	20:00:49.3	599.5	V	Harris	4	1 x 1	
129213	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.240	179.8	20:17:00.6	599.5	V	Harris	1	1 x 1	
129214	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.240	179.8	20:17:00.6	599.5	V	Harris	5	1 x 1	
129215	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.240	179.8	20:17:00.6	599.5	V	Harris	3	1 x 1	
129216	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.240	179.8	20:17:00.6	599.5	V	Harris	4	1 x 1	
129221	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.210	179.8	20:30:45.3	599.5	B	KpnoB	1	1 x 1	
129222	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.210	179.8	20:30:45.3	599.5	B	KpnoB	5	1 x 1	
129223	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.210	179.8	20:30:45.3	599.5	B	KpnoB	3	1 x 1	
129224	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.210	179.8	20:30:45.3	599.5	B	KpnoB	4	1 x 1	
129225	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.186	179.8	20:43:42.7	599.4	I	INT-WFC	1	1 x 1	
129226	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.186	179.8	20:43:42.7	599.4	I	INT-WFC	5	1 x 1	
129227	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.186	179.8	20:43:42.7	599.4	I	INT-WFC	3	1 x 1	
129228	wfsj2240+0000_035	22:41:03.99	+01:00:00.0	J2000.00	1.186	179.8	20:43:42.7	599.4	I	INT-WFC	4	1 x 1	
129233	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.166	179.8	20:57:08.5	599.5	R	Harris	1	1 x 1	
129234	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.166	179.8	20:57:08.5	599.5	R	Harris	5	1 x 1	
129235	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.166	179.8	20:57:08.5	599.5	R	Harris	3	1 x 1	
129236	wfsj2240+0000_035	22:41:04.00	+00:59:59.9	J2000.00	1.166	179.8	20:57:08.5	599.5	R	Harris	4	1 x 1	
129237	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.149	179.8	21:11:12.7	599.5	V	Harris	1	1 x 1	
129238	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.149	179.8	21:11:12.7	599.5	V	Harris	5	1 x 1	
129239	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.149	179.8	21:11:12.7	599.5	V	Harris	3	1 x 1	
129240	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.149	179.8	21:11:12.7	599.5	V	Harris	4	1 x 1	
129241	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.139	179.8	21:24:15.8	599.4	B	KpnoB	1	1 x 1	
129242	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.139	179.8	21:24:15.8	599.4	B	KpnoB	5	1 x 1	
129243	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.139	179.8	21:24:15.8	599.4	B	KpnoB	3	1 x 1	
129244	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.139	179.8	21:24:15.8	599.4	B	KpnoB	4	1 x 1	
129249	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.132	179.8	21:38:10.1	599.5	I	INT-WFC	1	1 x 1	Edited object name
129250	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.132	179.8	21:38:10.1	599.5	I	INT-WFC	5	1 x 1	Edited object name
129251	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.132	179.8	21:38:10.1	599.5	I	INT-WFC	3	1 x 1	Edited object name
129252	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.132	179.8	21:38:10.1	599.5	I	INT-WFC	4	1 x 1	Edited object name
129253	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.130	179.8	21:51:25.7	598.5	R	Harris	1	1 x 1	
129254	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.130	179.8	21:51:25.7	598.5	R	Harris	5	1 x 1	
129255	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.130	179.8	21:51:25.7	598.5	R	Harris	3	1 x 1	
129256	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.130	179.8	21:51:25.7	598.5	R	Harris	4	1 x 1	
129261	wfsj2240+0000_036	22:41:04.00	+01:19:59.8	J2000.00	1.128	179.8	22:06:18.0	599.3	V	Harris	1	1 x 1	
129262	wfsj2240+0000_036	22:41:04.00	+01:19:59.8	J2000.00	1.128	179.8	22:06:18.0	599.3	V	Harris	5	1 x 1	
129263	wfsj2240+0000_036	22:41:04.00	+01:19:59.8	J2000.00	1.128	179.8	22:06:18.0	599.3	V	Harris	3	1 x 1	
129264	wfsj2240+0000_036	22:41:04.00	+01:19:59.8	J2000.00	1.128	179.8	22:06:18.0	599.3	V	Harris	4	1 x 1	
129265	wfsj2240+0000_036	22:41:03.99	+01:19:59.8	J2000.00	1.133	179.8	22:19:21.4	599.3	B	KpnoB	1	1 x 1	
129266	wfsj2240+0000_036	22:41:03.99	+01:19:59.8	J2000.00	1.133	179.8	22:19:21.4	599.3	B	KpnoB	5	1 x 1	
129267	wfsj2240+0000_036	22:41:03.99	+01:19:59.8	J2000.00	1.133	179.8	22:19:21.4	599.3	B	KpnoB	3	1 x 1	
129268	wfsj2240+0000_036	22:41:03.99	+01:19:59.8	J2000.00	1.133	179.8	22:19:21.4	599.3	B	KpnoB	4	1 x 1	
129269	wfsj2240+0000_036	22:41:04.00	+01:20:00.0	J2000.00	1.142	179.8	22:32:28.6	599.4	I	INT-WFC	1	1 x 1	
129270	wfsj2240+0000_036	22:41:04.00	+01:20:00.0	J2000.00	1.142	179.8	22:32:28.6	599.4	I	INT-WFC	5	1 x 1	
129271	wfsj2240+0000_036	22:41:04.00	+01:20:00.0	J2000.00	1.142	179.8	22:32:28.6	599.4	I	INT-WFC	3	1 x 1	
129272	wfsj2240+0000_036	22:41:04.00	+01:20:00.0	J2000.00	1.142	179.8	22:32:28.6	599.4	I	INT-WFC	4	1 x 1	
129273	wfsj2240+0000_036	22:41:03.99	+01:19:59.9	J2000.00	1.154	179.8	22:45:31.0	598.9	R	Harris	1	1 x 1	
129274	wfsj2240+0000_036	22:41:03.99	+01:19:59.9	J2000.00	1.154	179.8	22:45:31.0	598.9	R	Harris	5	1 x 1	
129275	wfsj2240+0000_036	22:41:03.99	+01:19:59.9	J2000.00	1.154	179.8	22:45:31.0	598.9	R	Harris	3	1 x 1	
129276	wfsj2240+0000_036	22:41:03.99	+01:19:59.9	J2000.00	1.154	179.8	22:45:31.0	598.9	R	Harris	4	1 x 1	

129277	wfsj2240+0000_027	22:38:56.00	+01:20:00.0	J2000.00	1.182	179.8	22:59:53.7	599.5	V	Harris	1	1 x 1	A/G glitch - junk
129278	wfsj2240+0000_027	22:38:56.00	+01:20:00.0	J2000.00	1.182	179.8	22:59:53.7	599.5	V	Harris	5	1 x 1	A/G glitch - junk
129279	wfsj2240+0000_027	22:38:56.00	+01:20:00.0	J2000.00	1.182	179.8	22:59:53.7	599.5	V	Harris	3	1 x 1	A/G glitch - junk
129280	wfsj2240+0000_027	22:38:56.00	+01:20:00.0	J2000.00	1.182	179.8	22:59:53.7	599.5	V	Harris	4	1 x 1	A/G glitch - junk
129281	wfsj2240+0000_027	22:38:56.00	+01:20:00.1	J2000.00	1.212	179.8	23:19:57.6	599.6	B	KpnoB	1	1 x 1	
129282	wfsj2240+0000_027	22:38:56.00	+01:20:00.1	J2000.00	1.212	179.8	23:19:57.6	599.6	B	KpnoB	5	1 x 1	
129283	wfsj2240+0000_027	22:38:56.00	+01:20:00.1	J2000.00	1.212	179.8	23:19:57.6	599.6	B	KpnoB	3	1 x 1	
129284	wfsj2240+0000_027	22:38:56.00	+01:20:00.1	J2000.00	1.212	179.8	23:19:57.6	599.6	B	KpnoB	4	1 x 1	
129289	wfsj2240+0000_27 I	22:38:56.00	+01:19:59.9	J2000.00	1.245	179.8	23:34:12.8	599.4	I	INT-WFC	1	1 x 1	
129290	wfsj2240+0000_27 I	22:38:56.00	+01:19:59.9	J2000.00	1.245	179.8	23:34:12.8	599.4	I	INT-WFC	5	1 x 1	
129291	wfsj2240+0000_27 I	22:38:56.00	+01:19:59.9	J2000.00	1.245	179.8	23:34:12.8	599.4	I	INT-WFC	3	1 x 1	
129292	wfsj2240+0000_27 I	22:38:56.00	+01:19:59.9	J2000.00	1.245	179.8	23:34:12.8	599.4	I	INT-WFC	4	1 x 1	
129293	wfsj2240+0000_27 R	22:38:56.00	+01:20:00.0	J2000.00	1.281	179.8	23:47:08.7	599.4	R	Harris	1	1 x 1	
129294	wfsj2240+0000_27 R	22:38:56.00	+01:20:00.0	J2000.00	1.281	179.8	23:47:08.7	599.4	R	Harris	5	1 x 1	
129295	wfsj2240+0000_27 R	22:38:56.00	+01:20:00.0	J2000.00	1.281	179.8	23:47:08.7	599.4	R	Harris	3	1 x 1	
129296	wfsj2240+0000_27 R	22:38:56.00	+01:20:00.0	J2000.00	1.281	179.8	23:47:08.7	599.4	R	Harris	4	1 x 1	
129297	wfsj2240+0000_27 V	22:38:56.00	+01:20:00.0	J2000.00	1.324	179.8	00:00:07.5	599.3	V	Harris	1	1 x 1	
129298	wfsj2240+0000_27 V	22:38:56.00	+01:20:00.0	J2000.00	1.324	179.8	00:00:07.5	599.3	V	Harris	5	1 x 1	
129299	wfsj2240+0000_27 V	22:38:56.00	+01:20:00.0	J2000.00	1.324	179.8	00:00:07.5	599.3	V	Harris	3	1 x 1	
129300	wfsj2240+0000_27 V	22:38:56.00	+01:20:00.0	J2000.00	1.324	179.8	00:00:07.5	599.3	V	Harris	4	1 x 1	
129305	sa92-335 U	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	00:15:05.8	10.1	U	RGO	1	1 x 1	
129306	sa92-335 U	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	00:15:05.8	10.1	U	RGO	5	1 x 1	
129307	sa92-335 U	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	00:15:05.8	10.1	U	RGO	3	1 x 1	
129308	sa92-335 U	0:55:00.00	+00:44:12.9	J2000.00	1.133	179.8	00:15:05.8	10.1	U	RGO	4	1 x 1	
129321	sa92-335 B	0:55:00.00	+00:44:13.0	J2000.00	1.137	179.8	00:33:25.5	4.7	B	KpnoB	1	1 x 1	
129322	sa92-335 B	0:55:00.00	+00:44:13.0	J2000.00	1.137	179.8	00:33:25.5	4.7	B	KpnoB	5	1 x 1	
129323	sa92-335 B	0:55:00.00	+00:44:13.0	J2000.00	1.137	179.8	00:33:25.5	4.7	B	KpnoB	3	1 x 1	
129324	sa92-335 B	0:55:00.00	+00:44:13.0	J2000.00	1.137	179.8	00:33:25.5	4.7	B	KpnoB	4	1 x 1	
129325	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.138	179.8	00:36:27.2	5.1	V	Harris	1	1 x 1	
129326	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.138	179.8	00:36:27.2	5.1	V	Harris	5	1 x 1	
129327	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.138	179.8	00:36:27.2	5.1	V	Harris	3	1 x 1	
129328	sa92-335 V	0:55:00.00	+00:44:12.9	J2000.00	1.138	179.8	00:36:27.2	5.1	V	Harris	4	1 x 1	
129329	sa92-335 R	0:55:00.00	+00:44:13.0	J2000.00	1.140	179.8	00:39:27.7	5.1	R	Harris	1	1 x 1	
129330	sa92-335 R	0:55:00.00	+00:44:13.0	J2000.00	1.140	179.8	00:39:27.7	5.1	R	Harris	5	1 x 1	
129331	sa92-335 R	0:55:00.00	+00:44:13.0	J2000.00	1.140	179.8	00:39:27.7	5.1	R	Harris	3	1 x 1	
129332	sa92-335 R	0:55:00.00	+00:44:13.0	J2000.00	1.140	179.8	00:39:27.7	5.1	R	Harris	4	1 x 1	
129333	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.142	179.8	00:42:28.6	5.1	I	INT-WFC	1	1 x 1	
129334	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.142	179.8	00:42:28.6	5.1	I	INT-WFC	5	1 x 1	
129335	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.142	179.8	00:42:28.6	5.1	I	INT-WFC	3	1 x 1	
129336	sa92-335 I	0:55:00.00	+00:44:13.0	J2000.00	1.142	179.8	00:42:28.6	5.1	I	INT-WFC	4	1 x 1	
129338	Focus run	0:55:00.00	+00:45:27.9	J2000.00	1.145	179.8	00:48:41.5	10.1	V	Harris	1	1 x 1	
129339	Focus run	0:55:00.00	+00:45:27.9	J2000.00	1.145	179.8	00:48:41.5	10.1	V	Harris	5	1 x 1	
129340	Focus run	0:55:00.00	+00:45:27.9	J2000.00	1.145	179.8	00:48:41.5	10.1	V	Harris	3	1 x 1	
129341	Focus run	0:55:00.00	+00:45:27.9	J2000.00	1.145	179.8	00:48:41.5	10.1	V	Harris	4	1 x 1	
129342	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.047	179.8	00:53:54.4	599.6	V	Harris	1	1 x 1	
129343	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.047	179.8	00:53:54.4	599.6	V	Harris	5	1 x 1	
129344	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.047	179.8	00:53:54.4	599.6	V	Harris	3	1 x 1	
129345	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.047	179.8	00:53:54.4	599.6	V	Harris	4	1 x 1	
129346	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.058	179.8	01:06:50.8	599.5	V	Harris	1	1 x 1	
129347	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.058	179.8	01:06:50.8	599.5	V	Harris	5	1 x 1	
129348	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.058	179.8	01:06:50.8	599.5	V	Harris	3	1 x 1	
129349	M31_1_HEWETT	0:44:00.00	+41:34:00.0	J2000.00	1.058	179.8	01:06:50.8	599.5	V	Harris	4	1 x 1	
129350	M31_2_HEWETT	0:42:30.00	+40:59:59.8	J2000.00	1.072	179.8	01:20:16.7	599.5	V	Harris	1	1 x 1	
129351	M31_2_HEWETT	0:42:30.00	+40:59:59.8	J2000.00	1.072	179.8	01:20:16.7	599.5	V	Harris	5	1 x 1	
129352	M31_2_HEWETT	0:42:30.00	+40:59:59.8	J2000.00	1.072	179.8	01:20:16.7	599.5	V	Harris	3	1 x 1	
129353	M31_2_HEWETT	0:42:30.00	+40:59:59.8	J2000.00	1.072	179.8	01:20:16.7	599.5	V	Harris	4	1 x 1	
129354	M31_2_HEWETT	0:42:30.00	+41:00:00.0	J2000.00	1.089	179.8	01:33:12.1	599.5	V	Harris	1	1 x 1	
129355	M31_2_HEWETT	0:42:30.00	+41:00:00.0	J2000.00	1.089	179.8	01:33:12.1	599.5	V	Harris	5	1 x 1	
129356	M31_2_HEWETT	0:42:30.00	+41:00:00.0	J2000.00	1.089	179.8	01:33:12.1	599.5	V	Harris	3	1 x 1	
129357	M31_2_HEWETT	0:42:30.00	+41:00:00.0	J2000.00	1.089	179.8	01:33:12.1	599.5	V	Harris	4	1 x 1	
129363	wfsj0354+0010_026	3:53:00.00	+01:10:00.0	J2000.00	1.191	179.8	01:51:06.6	599.5	V	Harris	1	1 x 1	
129364	wfsj0354+0010_026	3:53:00.00	+01:10:00.0	J2000.00	1.191	179.8	01:51:06.6	599.5	V	Harris	5	1 x 1	

129365	wfsj0354+0010_026	3:53:00.00	+01:10:00.0	J2000.00	1.191	179.8	01:51:06.6	599.5	V	Harris	3	1 x 1
129366	wfsj0354+0010_026	3:53:00.00	+01:10:00.0	J2000.00	1.191	179.8	01:51:06.6	599.5	V	Harris	4	1 x 1
129367	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.170	179.8	02:04:10.2	599.5	B	KpnoB	1	1 x 1
129368	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.170	179.8	02:04:10.2	599.5	B	KpnoB	5	1 x 1
129369	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.170	179.8	02:04:10.2	599.5	B	KpnoB	3	1 x 1
129370	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.170	179.8	02:04:10.2	599.5	B	KpnoB	4	1 x 1
129371	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.154	179.8	02:17:15.0	599.4	I	INT-WFC	1	1 x 1
129372	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.154	179.8	02:17:15.0	599.4	I	INT-WFC	5	1 x 1
129373	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.154	179.8	02:17:15.0	599.4	I	INT-WFC	3	1 x 1
129374	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.154	179.8	02:17:15.0	599.4	I	INT-WFC	4	1 x 1
129375	wfsj0354+0010_026	3:52:59.99	+01:09:59.9	J2000.00	1.142	179.8	02:30:18.7	599.5	R	Harris	1	1 x 1
129376	wfsj0354+0010_026	3:52:59.99	+01:09:59.9	J2000.00	1.142	179.8	02:30:18.7	599.5	R	Harris	5	1 x 1
129377	wfsj0354+0010_026	3:52:59.99	+01:09:59.9	J2000.00	1.142	179.8	02:30:18.7	599.5	R	Harris	3	1 x 1
129378	wfsj0354+0010_026	3:52:59.99	+01:09:59.9	J2000.00	1.142	179.8	02:30:18.7	599.5	R	Harris	4	1 x 1
129379	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.133	179.8	02:44:25.3	599.3	U	RGO	1	1 x 1
129380	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.133	179.8	02:44:25.3	599.3	U	RGO	5	1 x 1
129381	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.133	179.8	02:44:25.3	599.3	U	RGO	3	1 x 1
129382	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.133	179.8	02:44:25.3	599.3	U	RGO	4	1 x 1
129391	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.132	179.8	03:08:44.7	599.4	U	RGO	1	1 x 1
129392	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.132	179.8	03:08:44.7	599.4	U	RGO	5	1 x 1
129393	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.132	179.8	03:08:44.7	599.4	U	RGO	3	1 x 1
129394	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.132	179.8	03:08:44.7	599.4	U	RGO	4	1 x 1
129395	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.133	179.8	03:21:52.2	599.3	V	Harris	1	1 x 1
129396	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.133	179.8	03:21:52.2	599.3	V	Harris	5	1 x 1
129397	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.133	179.8	03:21:52.2	599.3	V	Harris	3	1 x 1
129398	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.133	179.8	03:21:52.2	599.3	V	Harris	4	1 x 1
129399	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.138	179.8	03:34:55.5	599.5	B	KpnoB	1	1 x 1
129400	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.138	179.8	03:34:55.5	599.5	B	KpnoB	5	1 x 1
129401	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.138	179.8	03:34:55.5	599.5	B	KpnoB	3	1 x 1
129402	wfsj0354+0010_043	3:57:00.00	+00:49:59.9	J2000.00	1.138	179.8	03:34:55.5	599.5	B	KpnoB	4	1 x 1
129403	wfsj0354+0010_043	3:56:59.99	+00:49:59.9	J2000.00	1.147	179.8	03:48:01.0	599.5	I	INT-WFC	1	1 x 1
129404	wfsj0354+0010_043	3:56:59.99	+00:49:59.9	J2000.00	1.147	179.8	03:48:01.0	599.5	I	INT-WFC	5	1 x 1
129405	wfsj0354+0010_043	3:56:59.99	+00:49:59.9	J2000.00	1.147	179.8	03:48:01.0	599.5	I	INT-WFC	3	1 x 1
129406	wfsj0354+0010_043	3:56:59.99	+00:49:59.9	J2000.00	1.147	179.8	03:48:01.0	599.5	I	INT-WFC	4	1 x 1
129407	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.160	179.8	04:01:04.3	599.5	R	Harris	1	1 x 1
129408	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.160	179.8	04:01:04.3	599.5	R	Harris	5	1 x 1
129409	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.160	179.8	04:01:04.3	599.5	R	Harris	3	1 x 1
129410	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.160	179.8	04:01:04.3	599.5	R	Harris	4	1 x 1
129415	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.193	179.8	04:21:25.2	600.0	U	RGO	1	1 x 1 MCA timing fu'd
129416	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.193	179.8	04:21:25.2	600.0	U	RGO	5	1 x 1 MCA timing fu'd
129417	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.193	179.8	04:21:25.2	600.0	U	RGO	3	1 x 1 MCA timing fu'd
129418	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.193	179.8	04:21:25.2	600.0	U	RGO	4	1 x 1 MCA timing fu'd
129419	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.218	179.8	04:35:08.6	600.0	V	Harris	1	1 x 1 MCA timing fu'd
129420	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.218	179.8	04:35:08.6	600.0	V	Harris	5	1 x 1 MCA timing fu'd
129421	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.218	179.8	04:35:08.6	600.0	V	Harris	3	1 x 1 MCA timing fu'd
129422	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.218	179.8	04:35:08.6	600.0	V	Harris	4	1 x 1 MCA timing fu'd
129423	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.248	179.8	04:48:10.7	600.0	B	KpnoB	1	1 x 1 MCA timing fu'd
129424	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.248	179.8	04:48:10.7	600.0	B	KpnoB	5	1 x 1 MCA timing fu'd
129425	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.248	179.8	04:48:10.7	600.0	B	KpnoB	3	1 x 1 MCA timing fu'd
129426	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.248	179.8	04:48:10.7	600.0	B	KpnoB	4	1 x 1 MCA timing fu'd
129427	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.283	179.8	05:01:12.3	600.0	I	INT-WFC	1	1 x 1 MCA timing fu'd
129428	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.283	179.8	05:01:12.3	600.0	I	INT-WFC	5	1 x 1 MCA timing fu'd
129429	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.283	179.8	05:01:12.3	600.0	I	INT-WFC	3	1 x 1 MCA timing fu'd
129430	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.283	179.8	05:01:12.3	600.0	I	INT-WFC	4	1 x 1 MCA timing fu'd
129431	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.325	179.8	05:14:14.2	600.0	R	Harris	1	1 x 1 MCA timing fu'd
129432	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.325	179.8	05:14:14.2	600.0	R	Harris	5	1 x 1 MCA timing fu'd
129433	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.325	179.8	05:14:14.2	600.0	R	Harris	3	1 x 1 MCA timing fu'd
129434	wfsj0354+0010_042	3:57:00.00	+00:29:59.9	J2000.00	1.325	179.8	05:14:14.2	600.0	R	Harris	4	1 x 1 MCA timing fu'd
129435	Pal2 R	4:42:53.69	+31:17:27.0	B1950.00	1.070	179.8	05:34:18.6	599.5	R	Harris	1	1 x 1
129436	Pal2 R	4:42:53.69	+31:17:27.0	B1950.00	1.070	179.8	05:34:18.6	599.5	R	Harris	5	1 x 1
129437	Pal2 R	4:42:53.69	+31:17:27.0	B1950.00	1.070	179.8	05:34:18.6	599.5	R	Harris	3	1 x 1
129438	Pal2 R	4:42:53.69	+31:17:27.0	B1950.00	1.070	179.8	05:34:18.6	599.5	R	Harris	4	1 x 1

129439	N2419 R	7:34:45.50	+38:59:43.9	B1950.00	1.041	179.8	05:49:53.9	599.5	R	Harris	1	1 x 1
129440	N2419 R	7:34:45.50	+38:59:43.9	B1950.00	1.041	179.8	05:49:53.9	599.5	R	Harris	5	1 x 1
129441	N2419 R	7:34:45.50	+38:59:43.9	B1950.00	1.041	179.8	05:49:53.9	599.5	R	Harris	3	1 x 1
129442	N2419 R	7:34:45.50	+38:59:43.9	B1950.00	1.041	179.8	05:49:53.9	599.5	R	Harris	4	1 x 1
129443	sa98-670 U	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:04:35.3	10.1	U	RGO	1	1 x 1
129444	sa98-670 U	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:04:35.3	10.1	U	RGO	5	1 x 1
129445	sa98-670 U	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:04:35.3	10.1	U	RGO	3	1 x 1
129446	sa98-670 U	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:04:35.3	10.1	U	RGO	4	1 x 1
129447	sa98-670 KPB	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:07:53.7	5.1	B	KpnoB	1	1 x 1
129448	sa98-670 KPB	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:07:53.7	5.1	B	KpnoB	5	1 x 1
129449	sa98-670 KPB	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:07:53.7	5.1	B	KpnoB	3	1 x 1
129450	sa98-670 KPB	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:07:53.7	5.1	B	KpnoB	4	1 x 1
129451	sa98-670 V	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:11:01.8	5.1	V	Harris	1	1 x 1
129452	sa98-670 V	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:11:01.8	5.1	V	Harris	5	1 x 1
129453	sa98-670 V	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:11:01.8	5.1	V	Harris	3	1 x 1
129454	sa98-670 V	6:52:12.00	-00:19:16.9	J2000.00	1.144	179.8	06:11:01.8	5.1	V	Harris	4	1 x 1
129455	sa98-670 R	6:52:11.99	-00:19:17.0	J2000.00	1.144	179.8	06:14:12.3	5.1	R	Harris	1	1 x 1
129456	sa98-670 R	6:52:11.99	-00:19:17.0	J2000.00	1.144	179.8	06:14:12.3	5.1	R	Harris	5	1 x 1
129457	sa98-670 R	6:52:11.99	-00:19:17.0	J2000.00	1.144	179.8	06:14:12.3	5.1	R	Harris	3	1 x 1
129458	sa98-670 R	6:52:11.99	-00:19:17.0	J2000.00	1.144	179.8	06:14:12.3	5.1	R	Harris	4	1 x 1
129459	sa98-670 I	6:52:12.00	-00:19:17.0	J2000.00	1.145	179.8	06:17:20.4	5.1	I	INT-WFC	1	1 x 1
129460	sa98-670 I	6:52:12.00	-00:19:17.0	J2000.00	1.145	179.8	06:17:20.4	5.1	I	INT-WFC	5	1 x 1
129461	sa98-670 I	6:52:12.00	-00:19:17.0	J2000.00	1.145	179.8	06:17:20.4	5.1	I	INT-WFC	3	1 x 1
129462	sa98-670 I	6:52:12.00	-00:19:17.0	J2000.00	1.145	179.8	06:17:20.4	5.1	I	INT-WFC	4	1 x 1