

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2478 - L2 Version 001
Chandra X-Ray Center

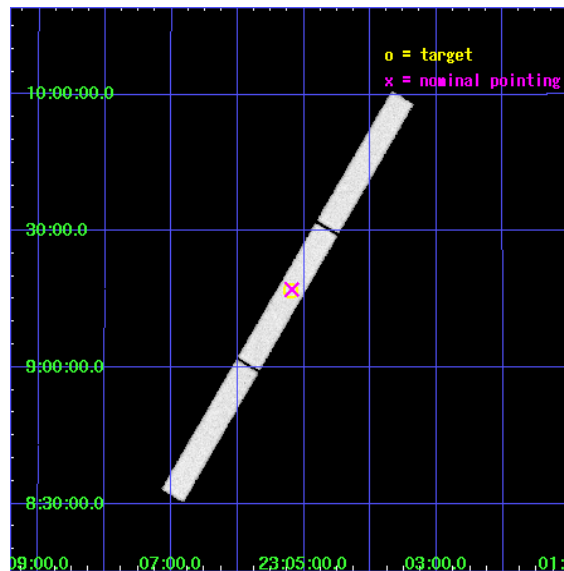
L2 Processing Date : Dec 11 2006

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1 Front

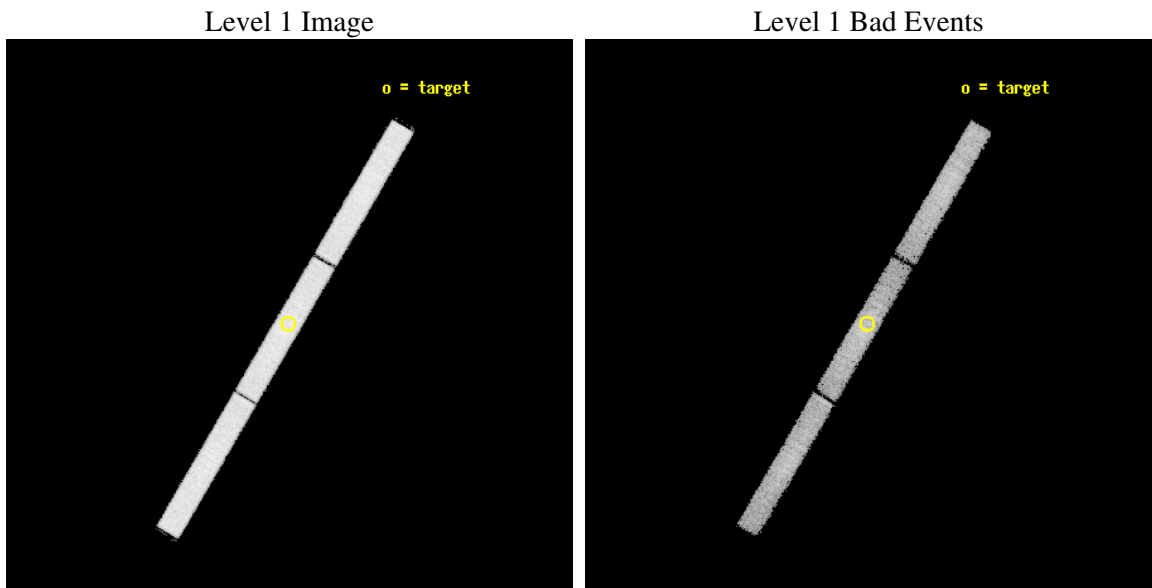
seq_num	100008
obs_id	2478
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	346.2979
dec_targ	9.28196
ra_nom	346.29543018061
dec_nom	9.2865246738083
roll_nom	120.35548770593
revision	2
ontime	2393.6313436329
livedtime	2377.1328496145
l2events	140089



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-12T00:30:24
revision	2

sched_exp_time	2250.000000
ontime	2439.756345436
l1events	243035

2.1.3 Events

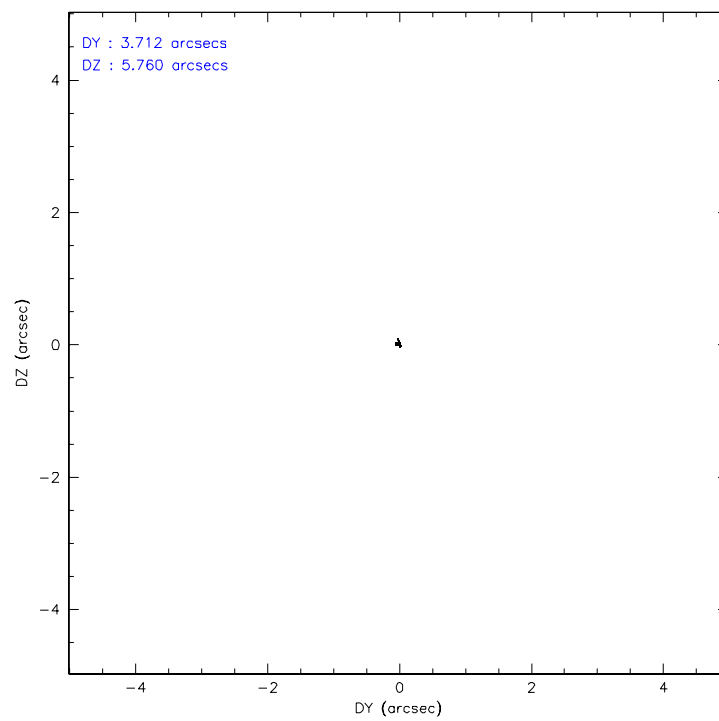
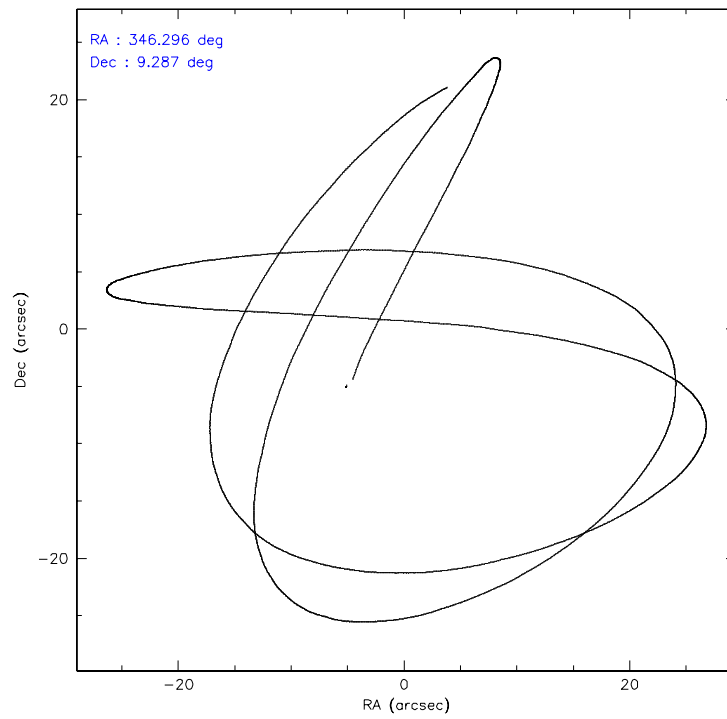
Level 1 Events

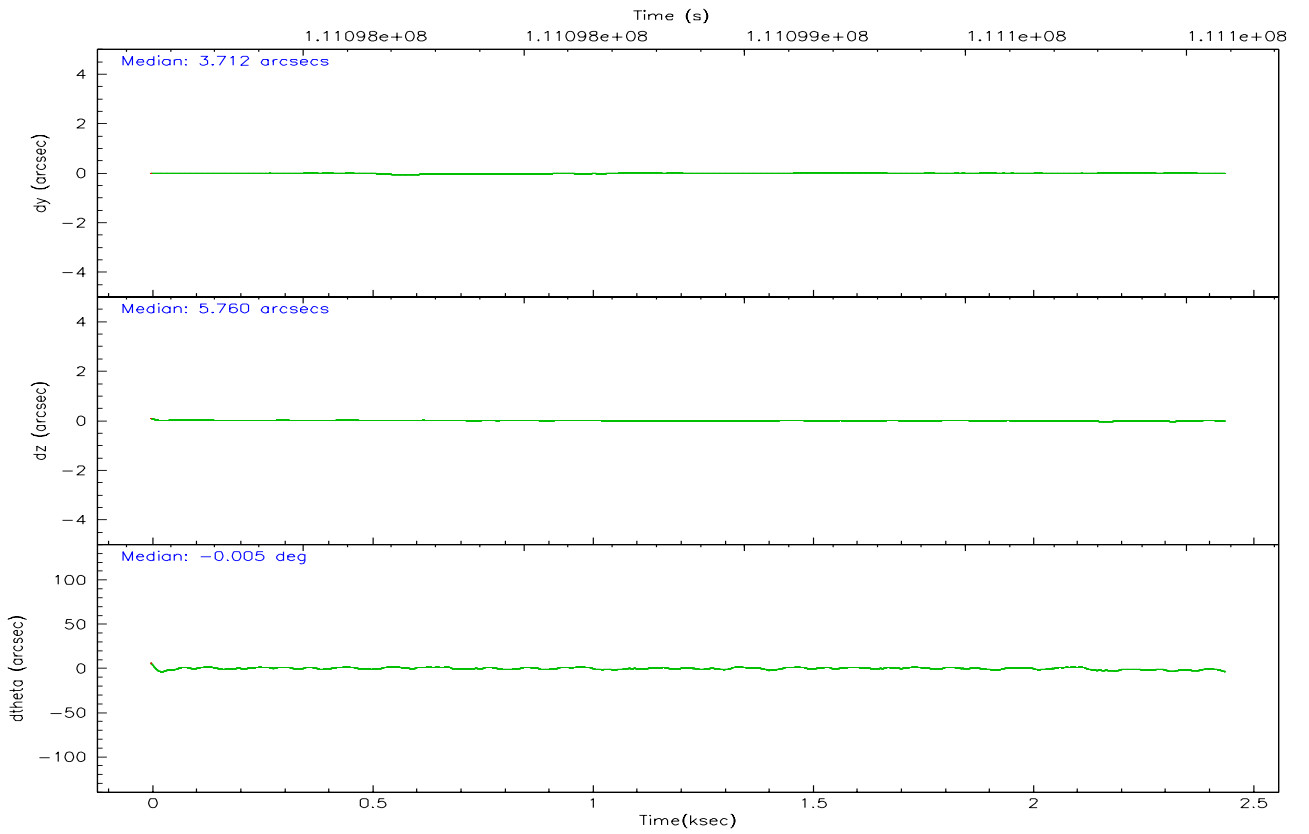
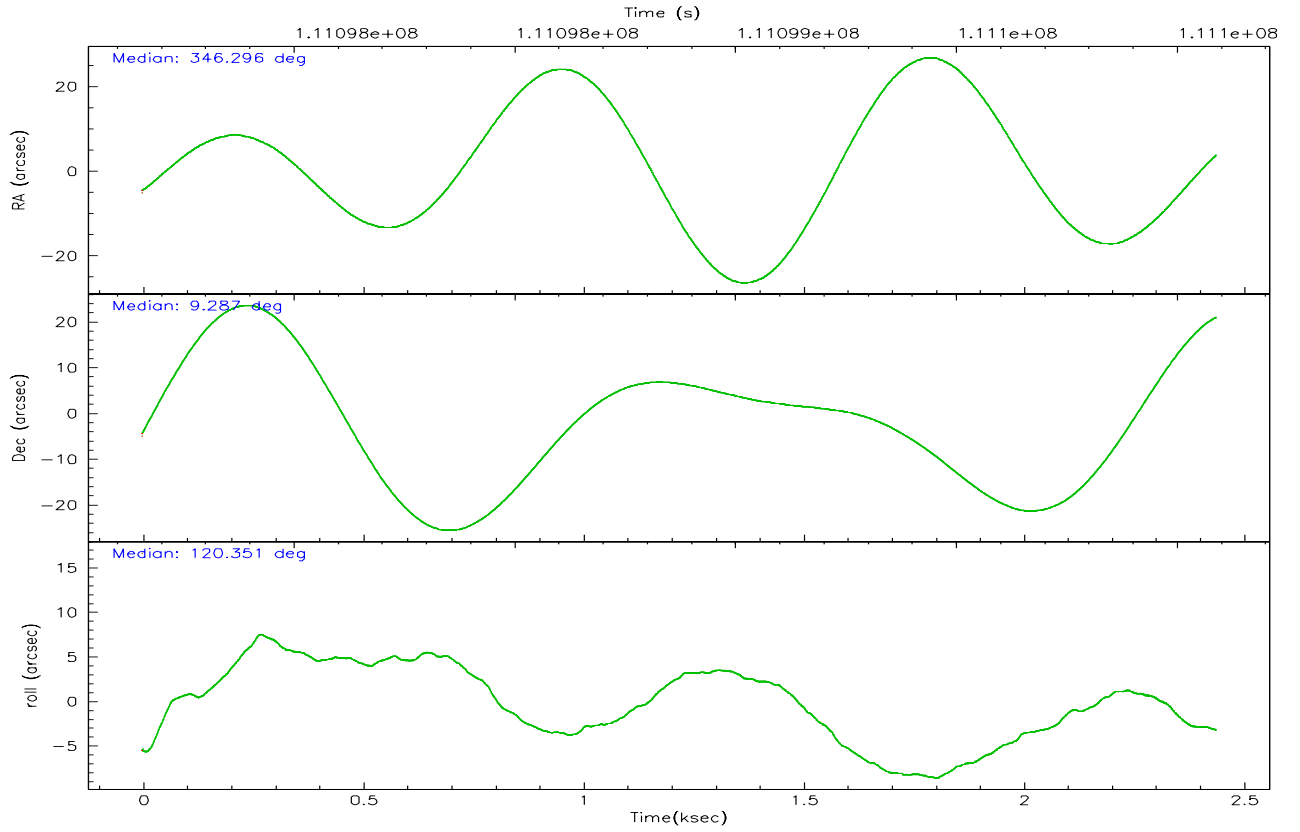
	segment 1	segment 2	segment 3
level 1 events	81229	79918	81888
rejected events	26593	27667	30194
rejected %	32%	34%	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	346.321481	346.2954301806064			
Pointing Dec	9.273163	9.286524673808263			
Pointing Roll	120.283947	120.3554877059286			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	111097842.184000	111097465.59906			
Observation start date	2001-07-09T20:29:38	2001-07-09T20:24:25			
Observation end time	111100092.184000	111100225.41167			
Observation end date	2001-07-09T21:07:08	2001-07-09T21:10:25			

2.3 Aspect



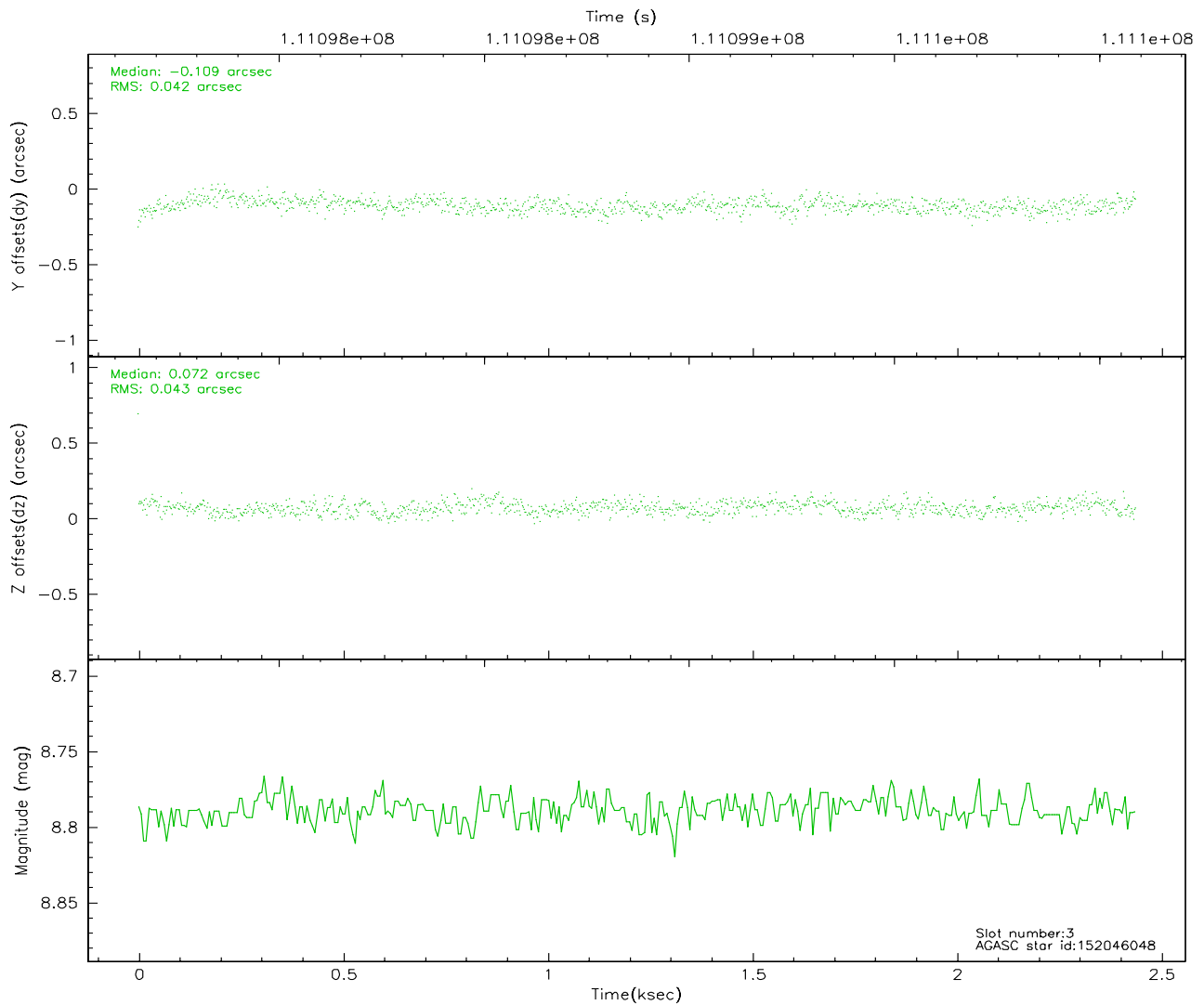
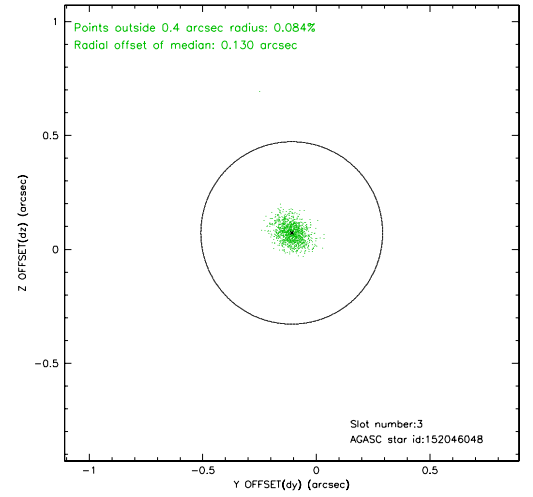
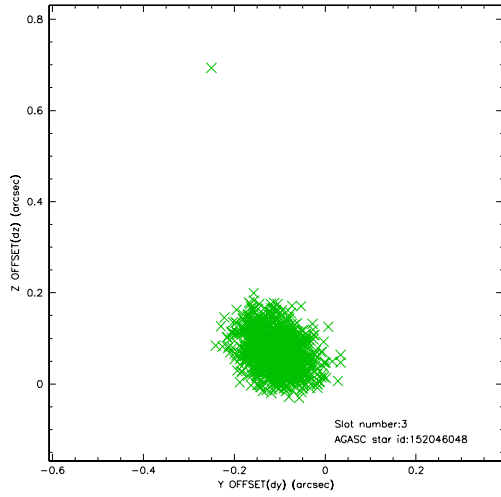


Slot Statistics

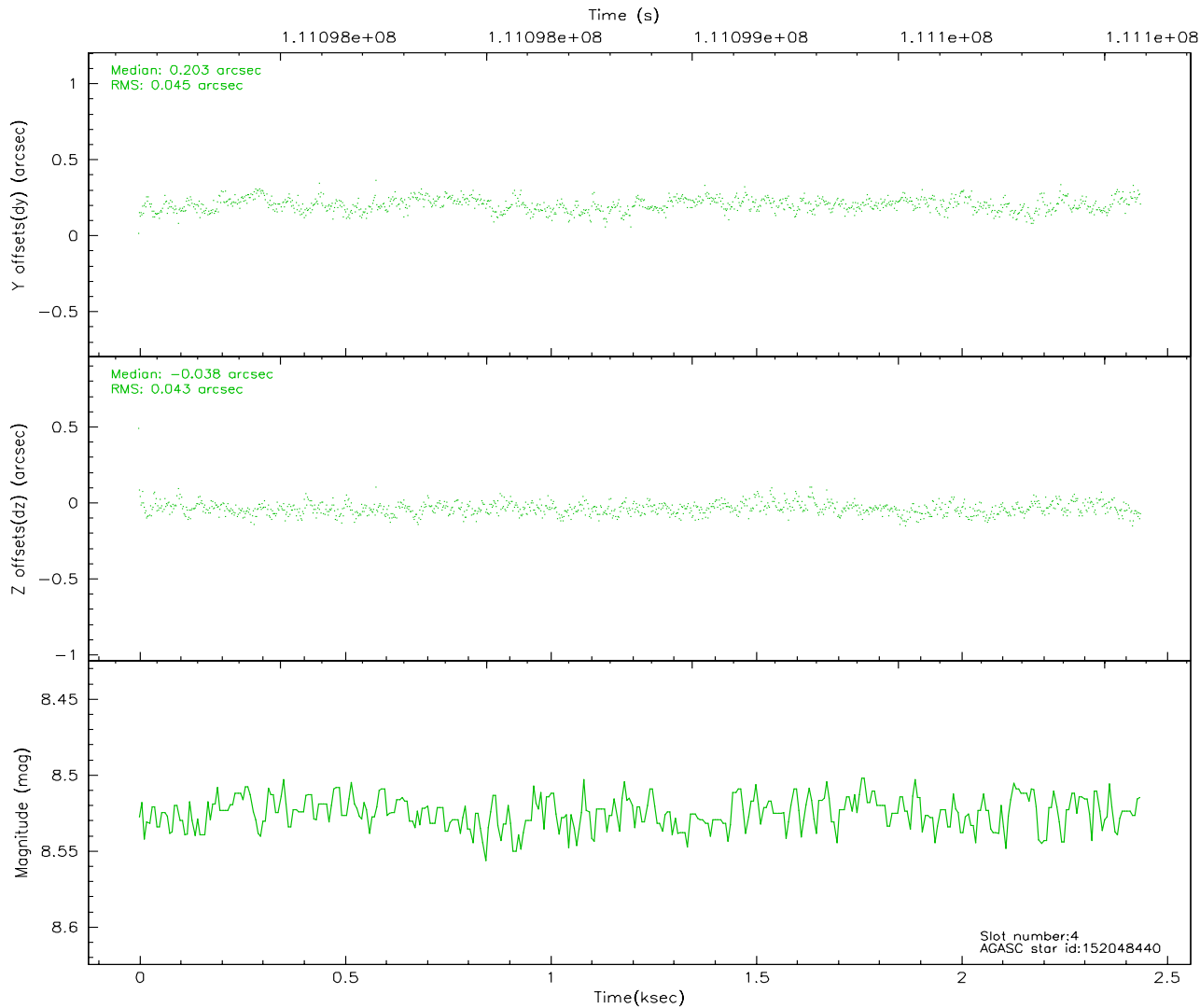
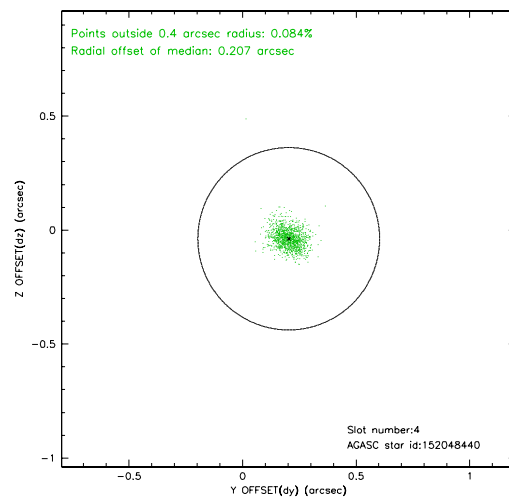
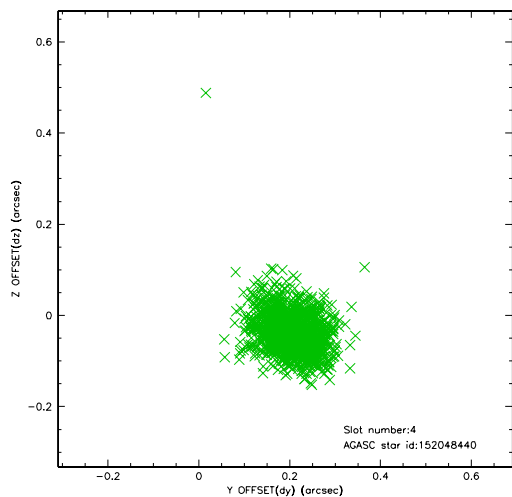
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	596	0.124	-0.148	0.006	0.010	0.000000	0.000000	-1157.76	-454.34
1	FID	HRC-S-3	7.00	596	0.167	-0.051	0.007	0.015	0.000000	0.000000	-1162.42	574.52
2	FID	HRC-S-4	6.93	596	0.096	-0.098	0.005	0.011	0.000000	0.000000	1238.48	578.84
3	GUIDE	152046048	8.79	1191	-0.109	0.072	0.061	0.102	346.265854	9.604114	1127.83	-429.25
4	GUIDE	152048440	8.52	1191	0.203	-0.038	0.064	0.106	346.200519	9.070077	-413.85	740.48
5	GUIDE	152044352	9.56	1185	-0.122	0.155	0.103	0.170	346.242049	9.821046	1844.41	-749.67
6	GUIDE	152056136	6.62	1191	0.093	-0.064	0.054	0.085	346.466795	8.896005	-1431.92	238.51
7	GUIDE	152045968	9.15	1188	-0.072	-0.120	0.080	0.138	345.623620	9.582627	2211.54	1577.43

2.4 Star Slots

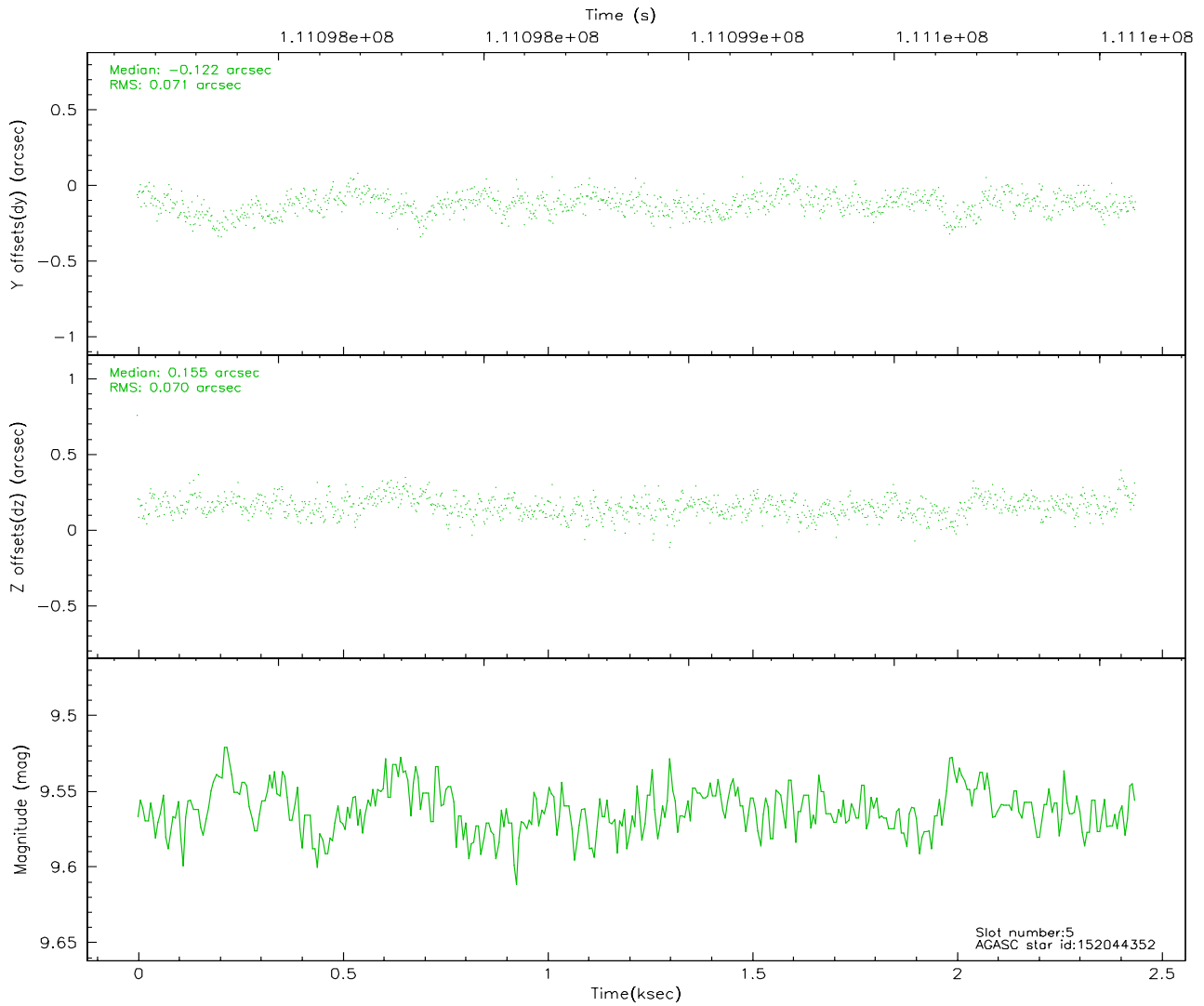
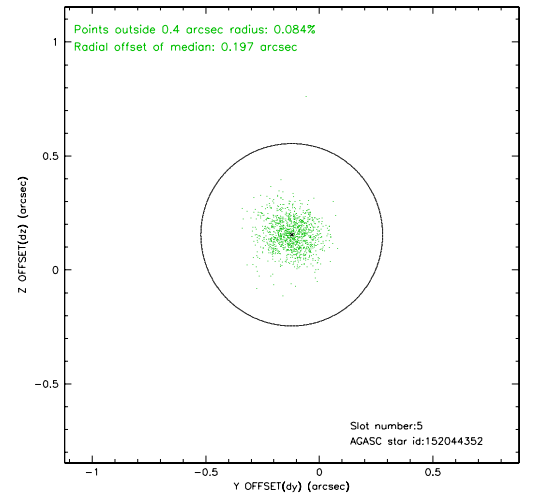
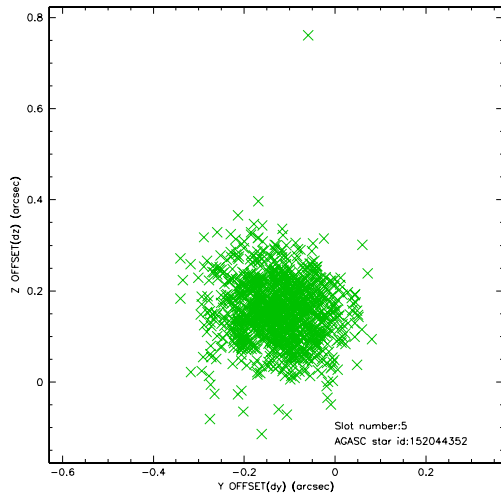
2.4.1 Slot 3



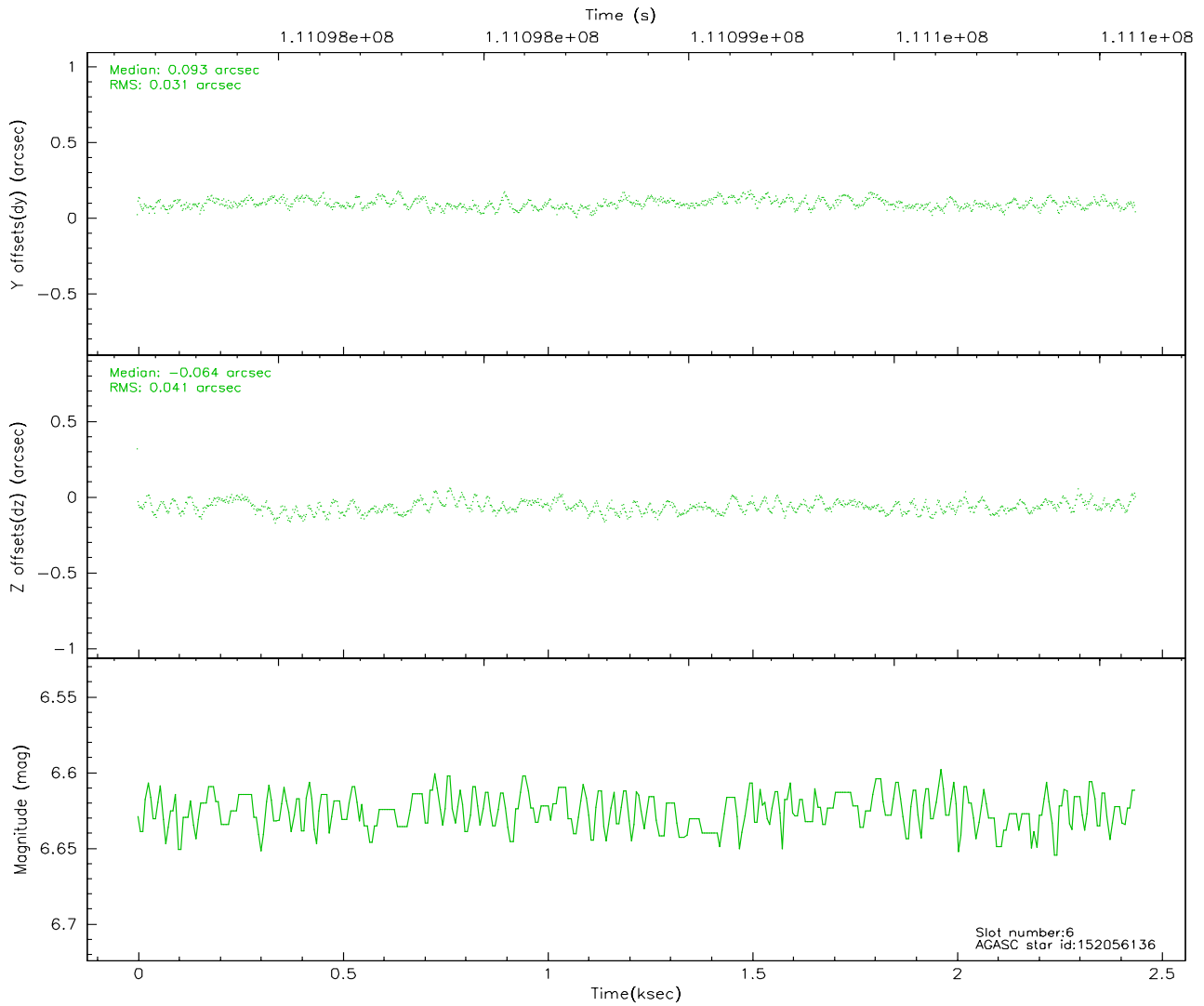
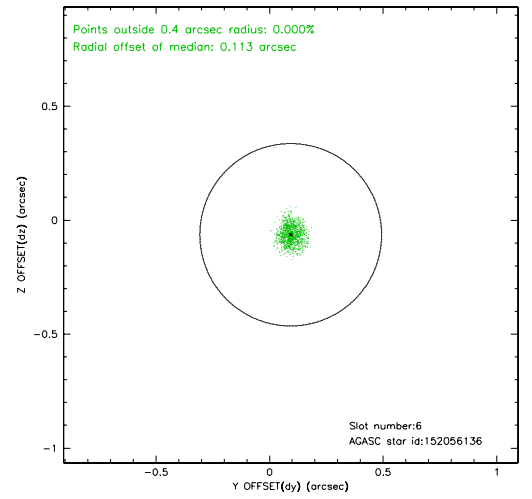
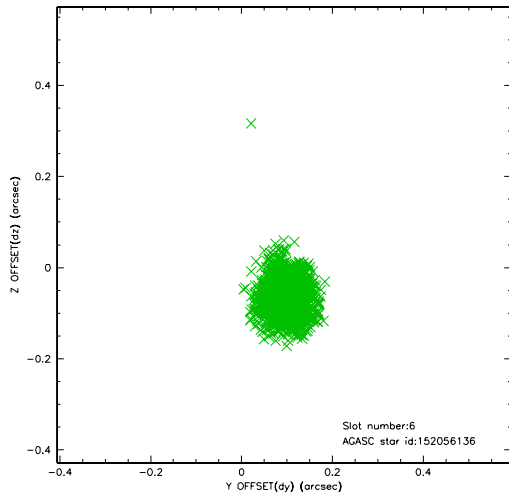
2.4.2 Slot 4



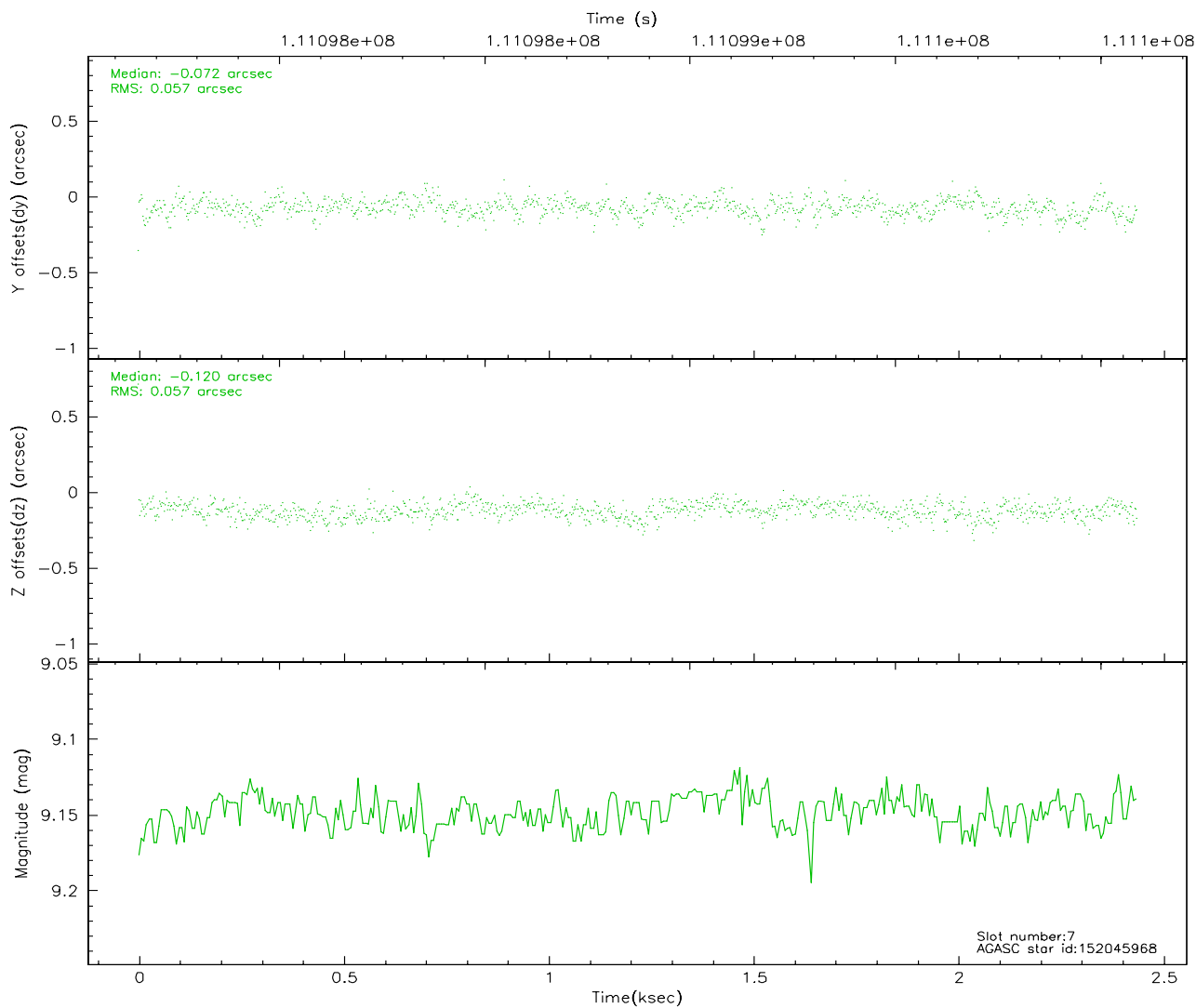
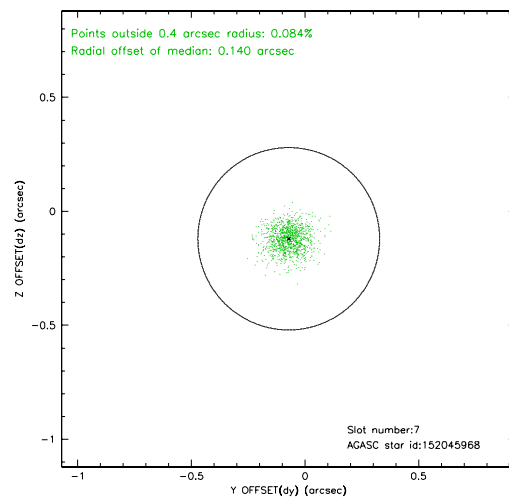
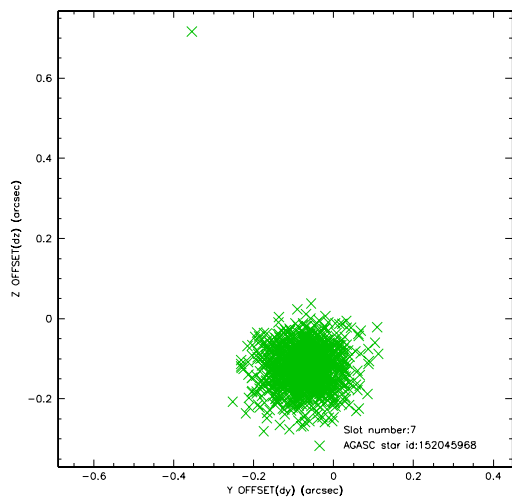
2.4.3 Slot 5



2.4.4 Slot 6

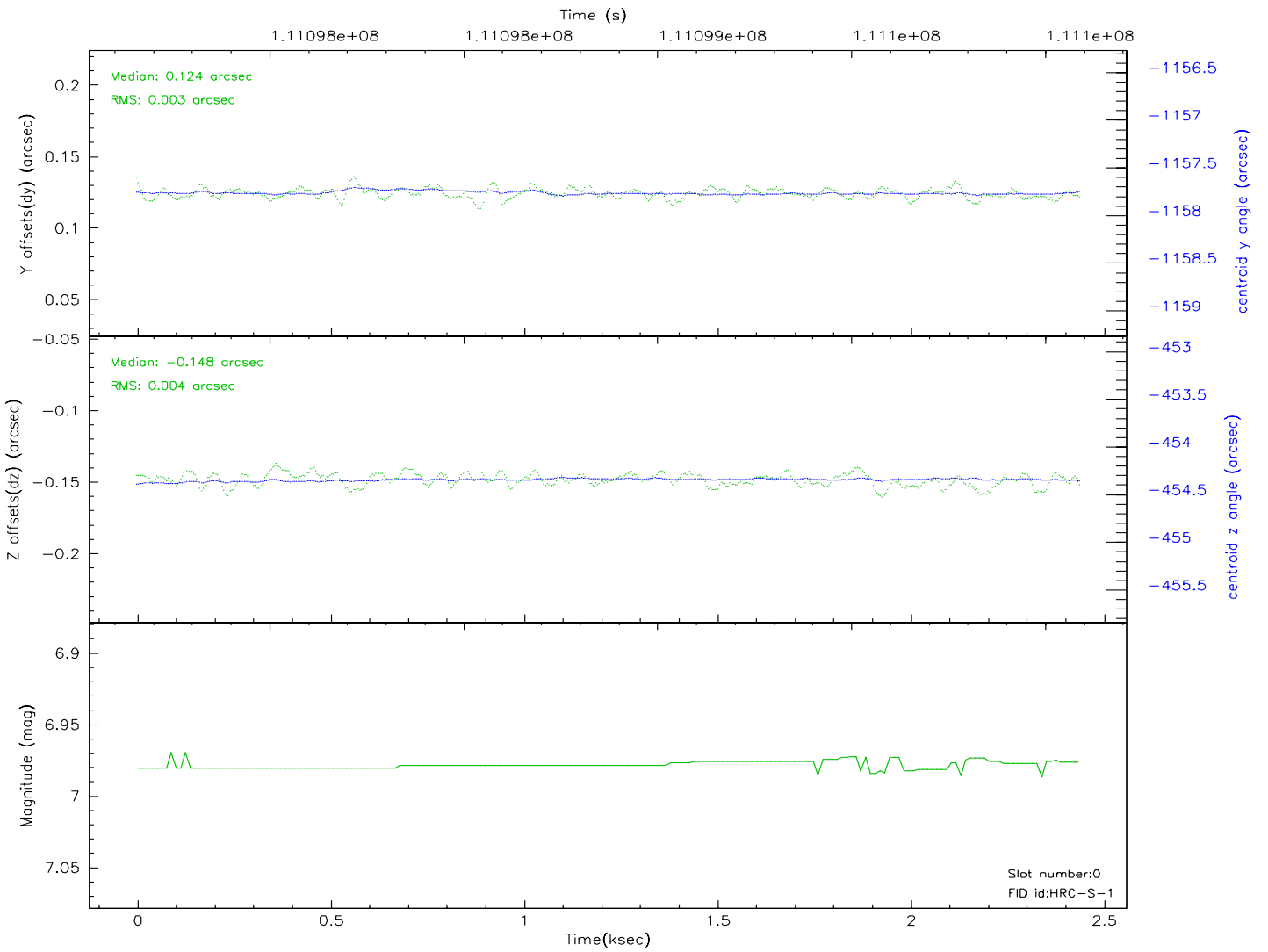
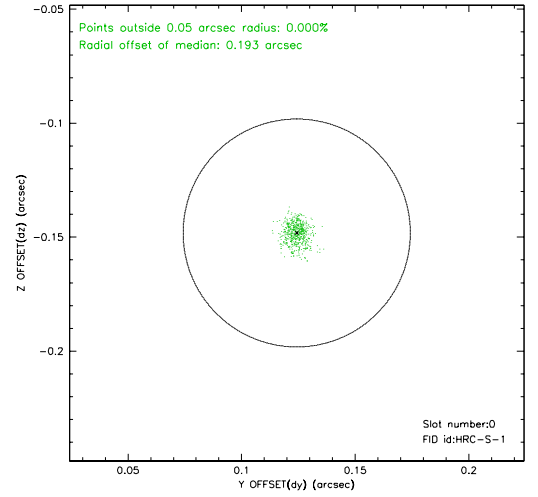
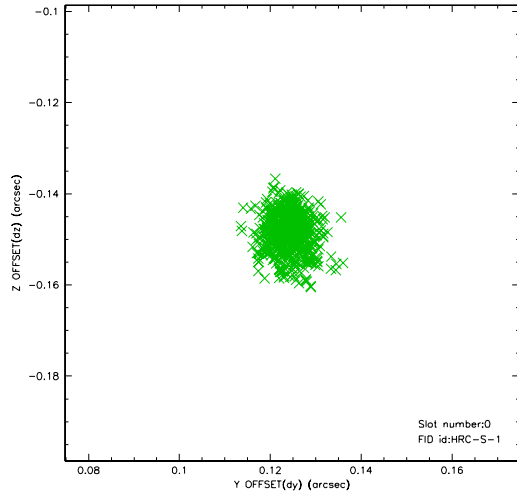


2.4.5 Slot 7

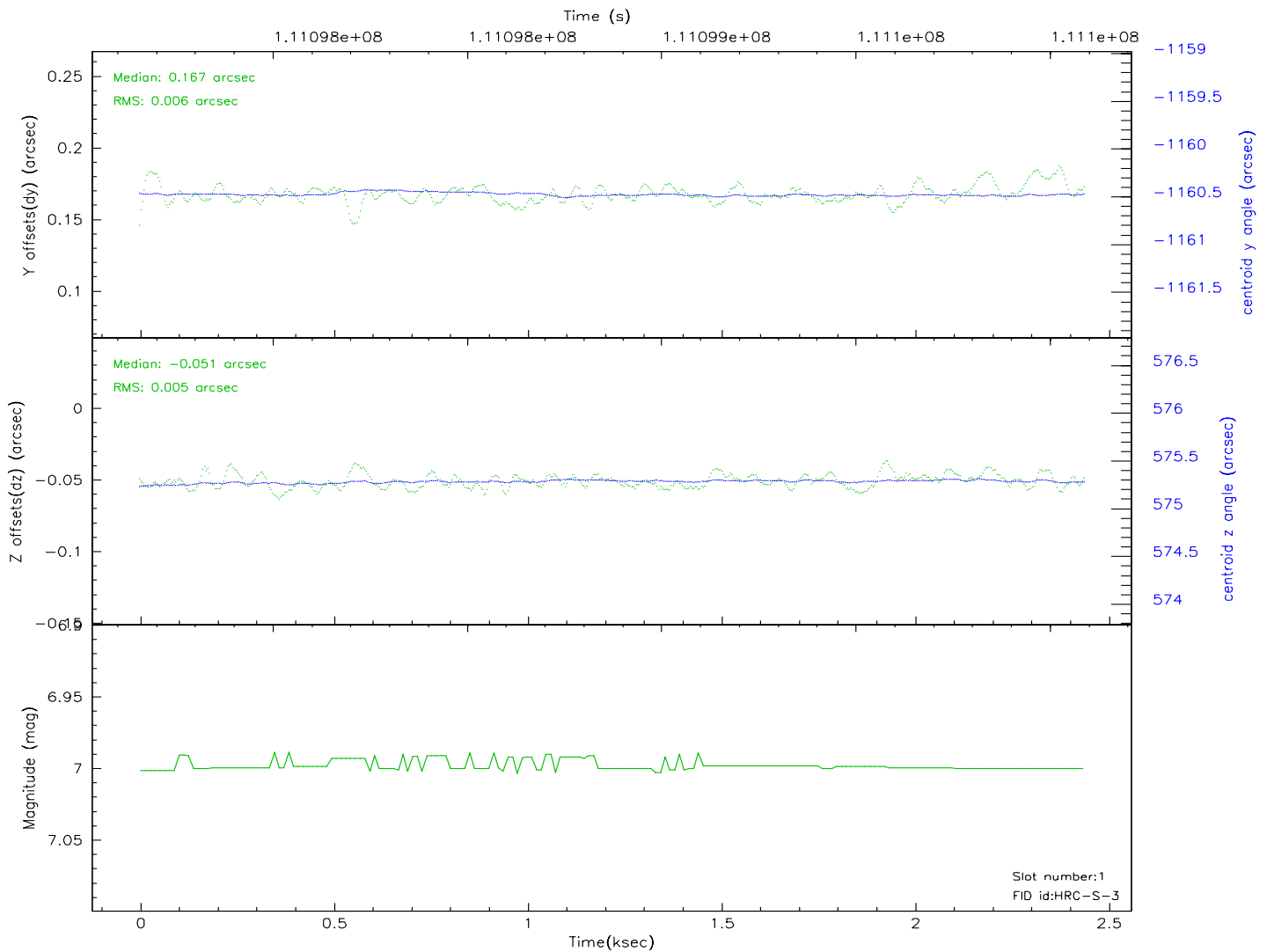
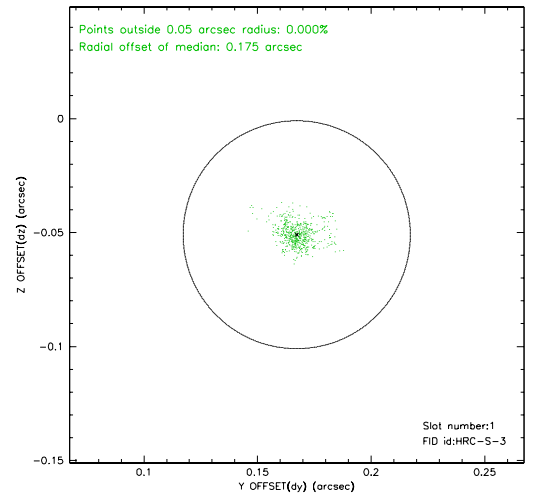
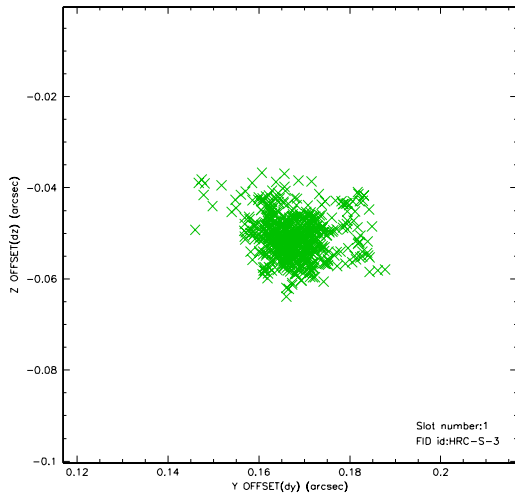


2.5 FID Slots

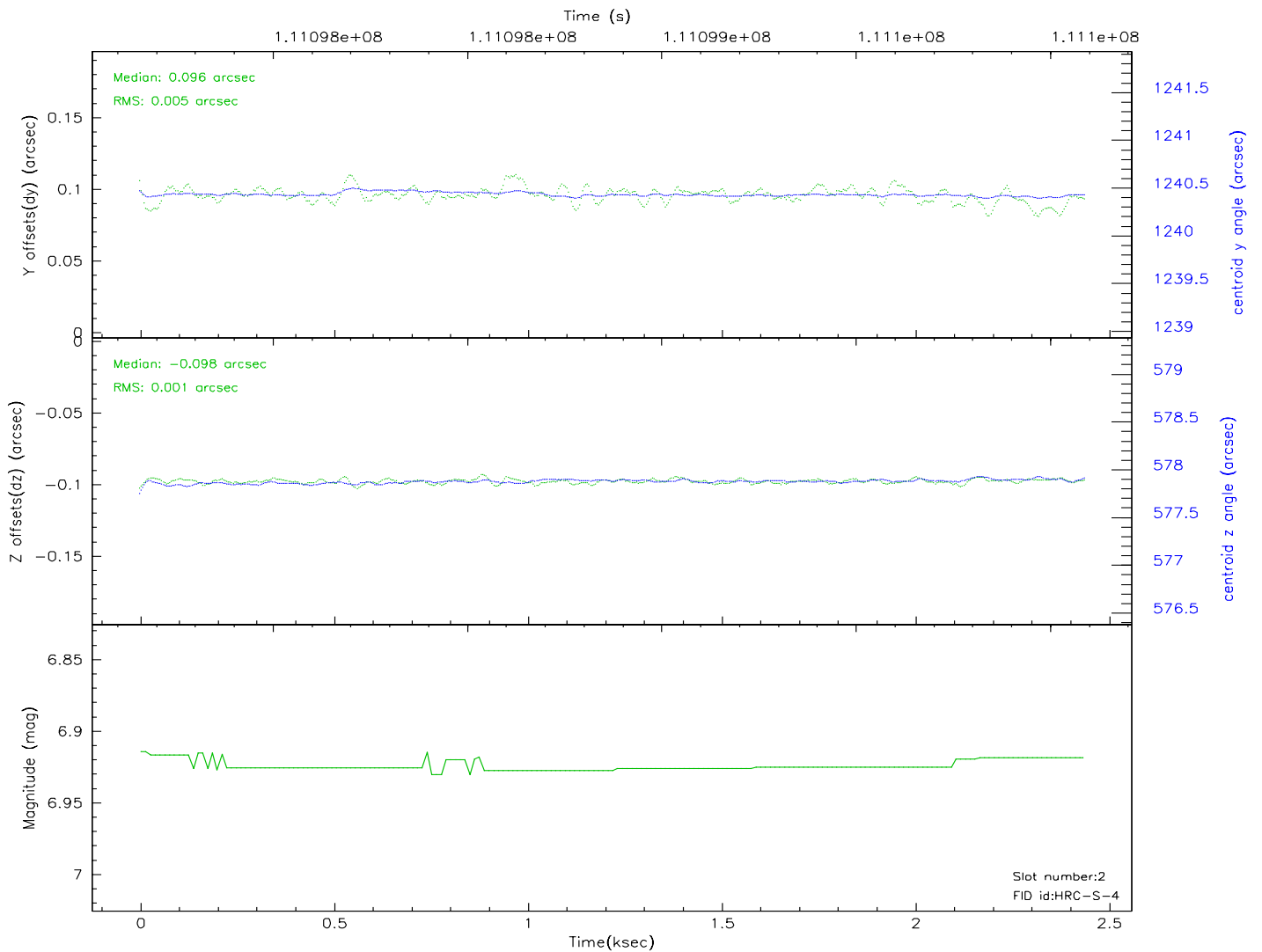
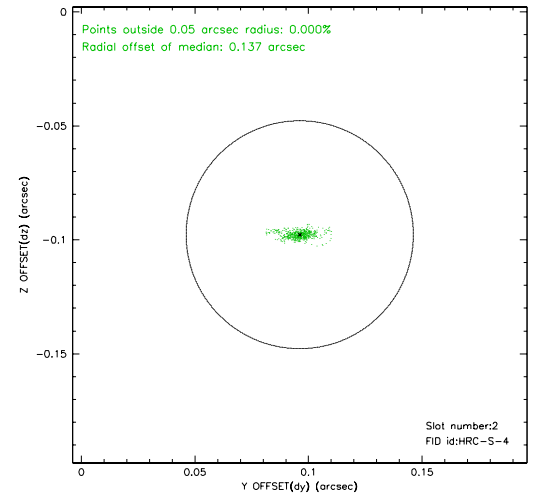
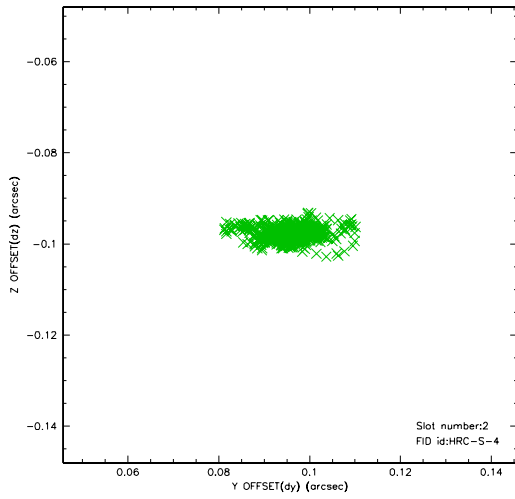
2.5.1 Slot 0



2.5.2 Slot 1

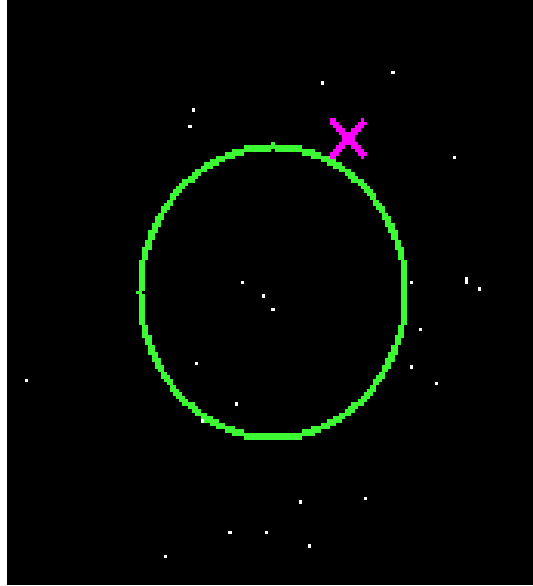


2.5.3 Slot 2



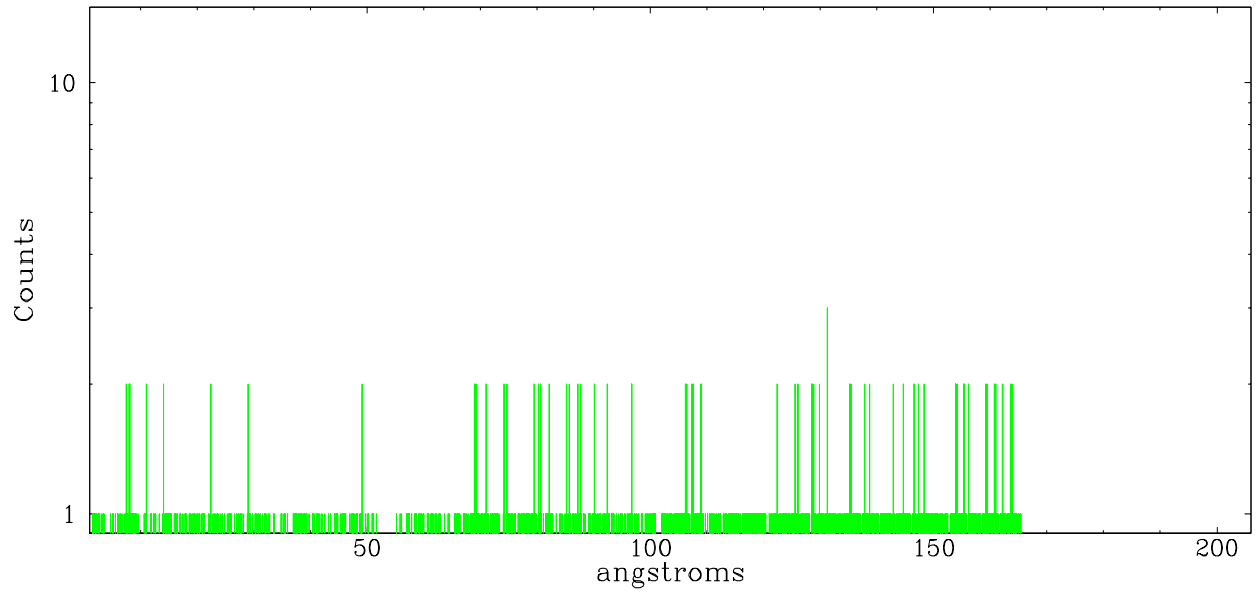
3 Gratings

3.1 LETG Arm

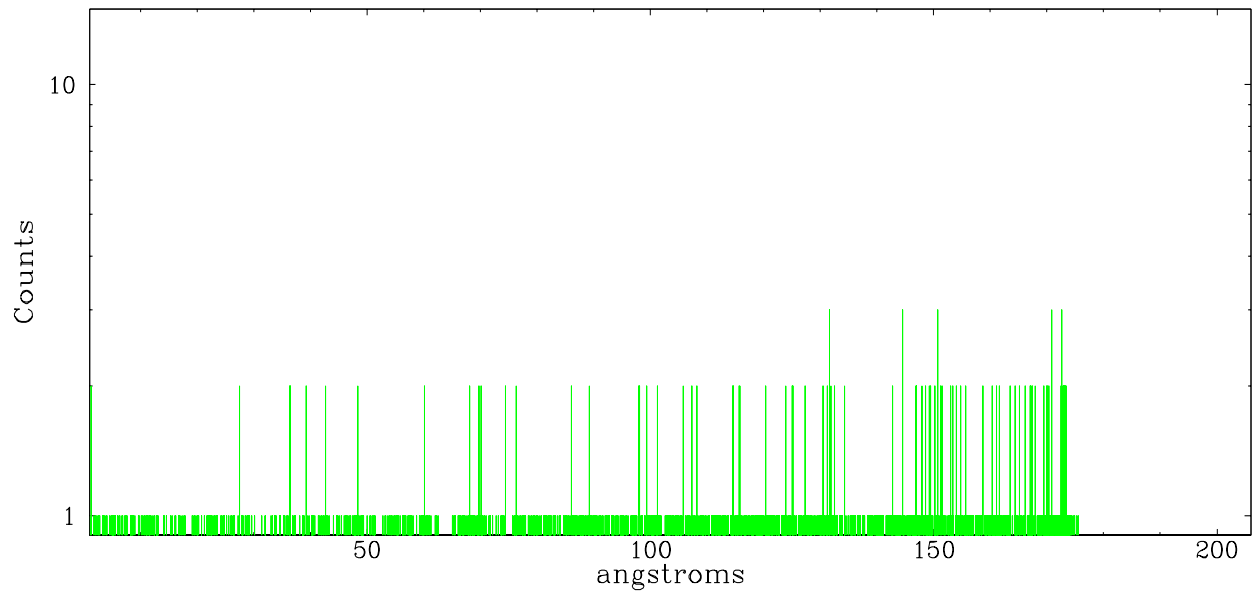


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.436

A.2 Comments

Monitor constraint met.

Tgdetect found no sources, 0th order position defaulted to ra_targ, dec_targ.

Users should run sso_freeze or the equivalent on the suite of comet observations before rerunning tgdetect.