

V&V Reference Report

L2 ASCDS Version : 7.6.11.10

Observation 3964 - L2 Version 4
Chandra X-Ray Center

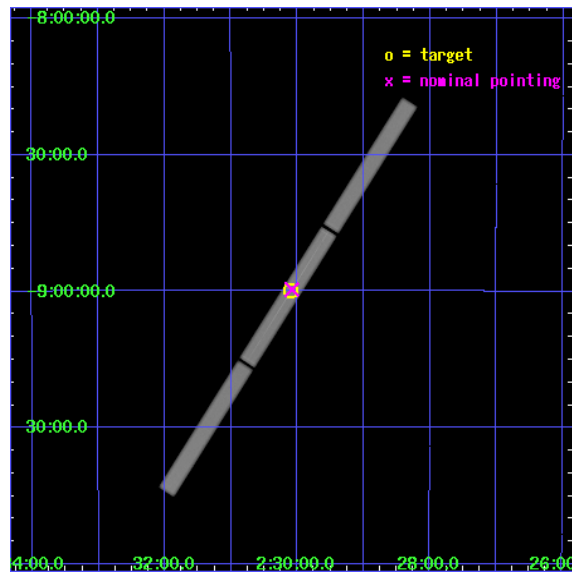
L2 Processing Date : Feb 4 2009

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1 Front

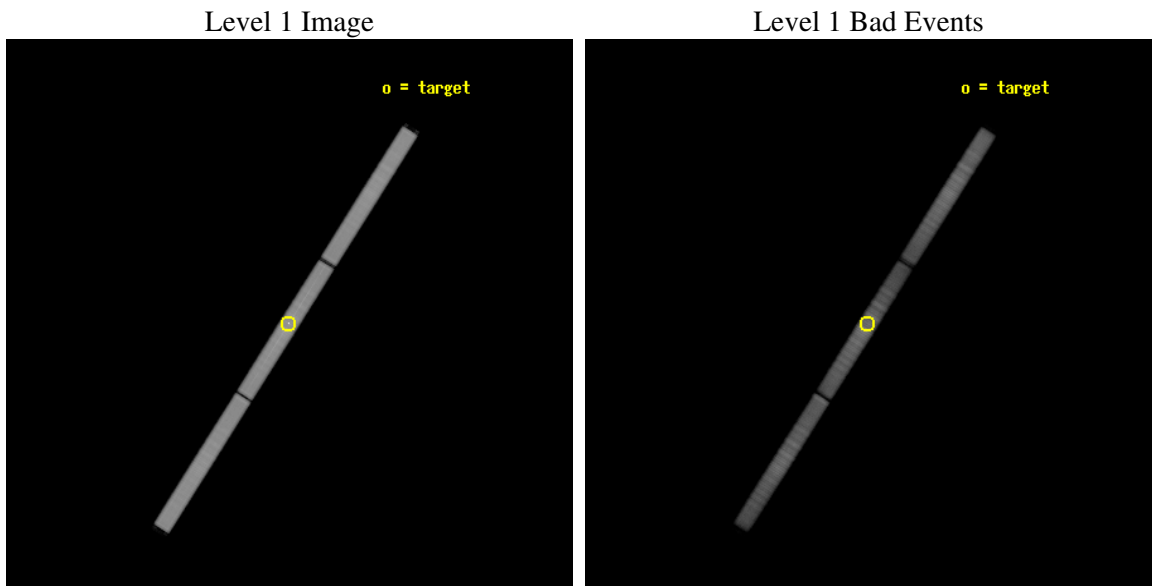
seq_num	700643
obs_id	3964
title	METALLICITY DETERMINATION IN A NARROW LINE SEYFERT 1 GALAXY USING JOINT CHANDRA & HST OBSERVATIONS
observer	Prof. Smita Mathur
object	MRK 1044
ra_targ	37.522917
dec_targ	-8.997889
ra_nom	37.520504552592
dec_nom	-8.9938930792181
roll_nom	122.31850348869
revision	4
ontime	98916.860455096
livetime	98425.418509616
l2events	3594207



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-04T22:40:49
revision	4

sched_exp_time	99090.000000
ontime	98916.860455096
l1events	5429971

2.1.3 Events

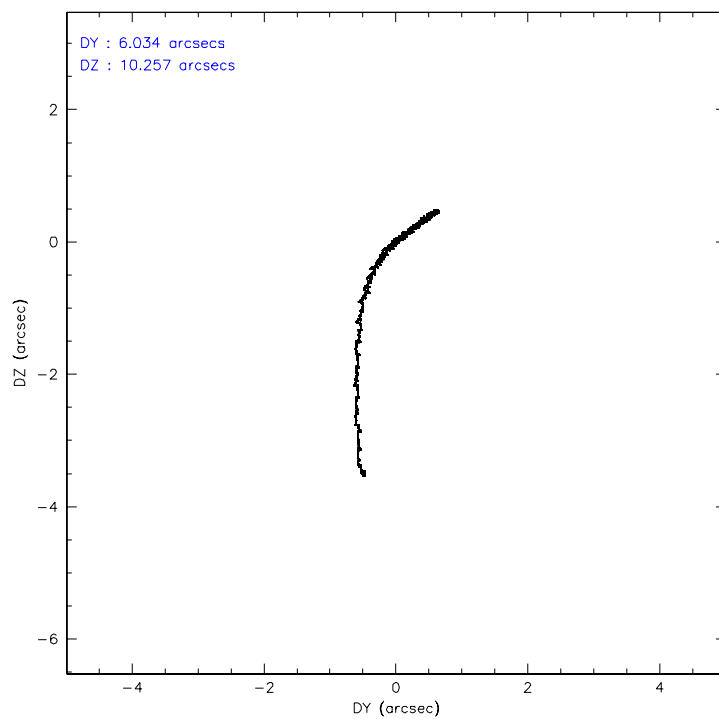
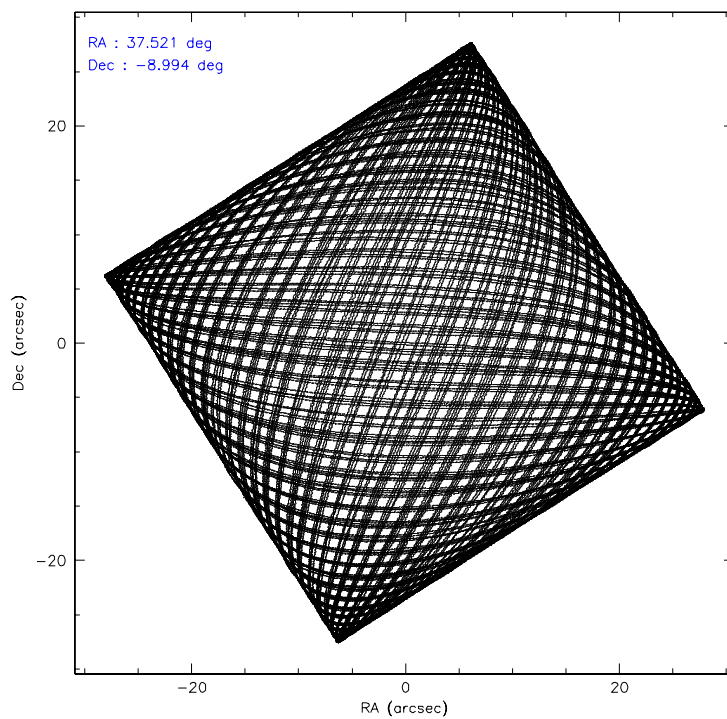
Level 1 Events

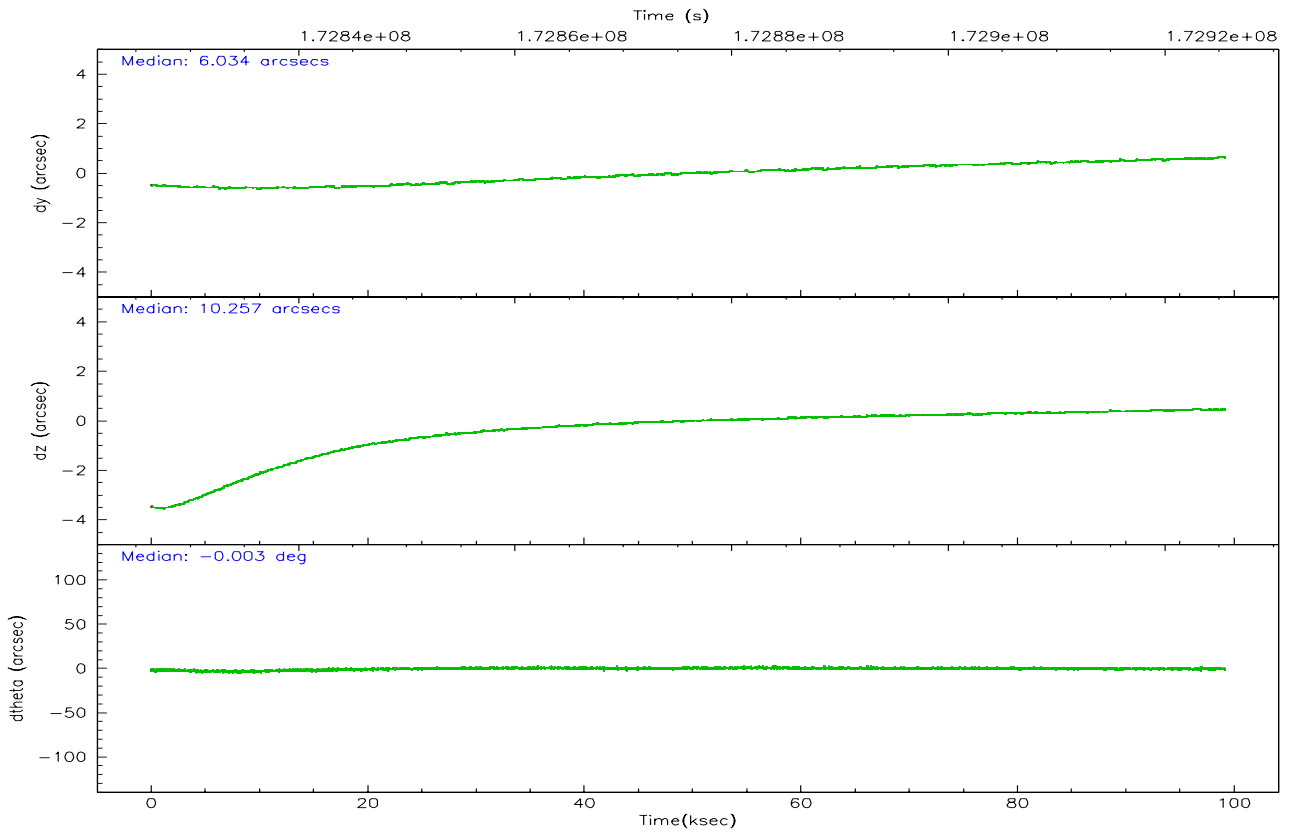
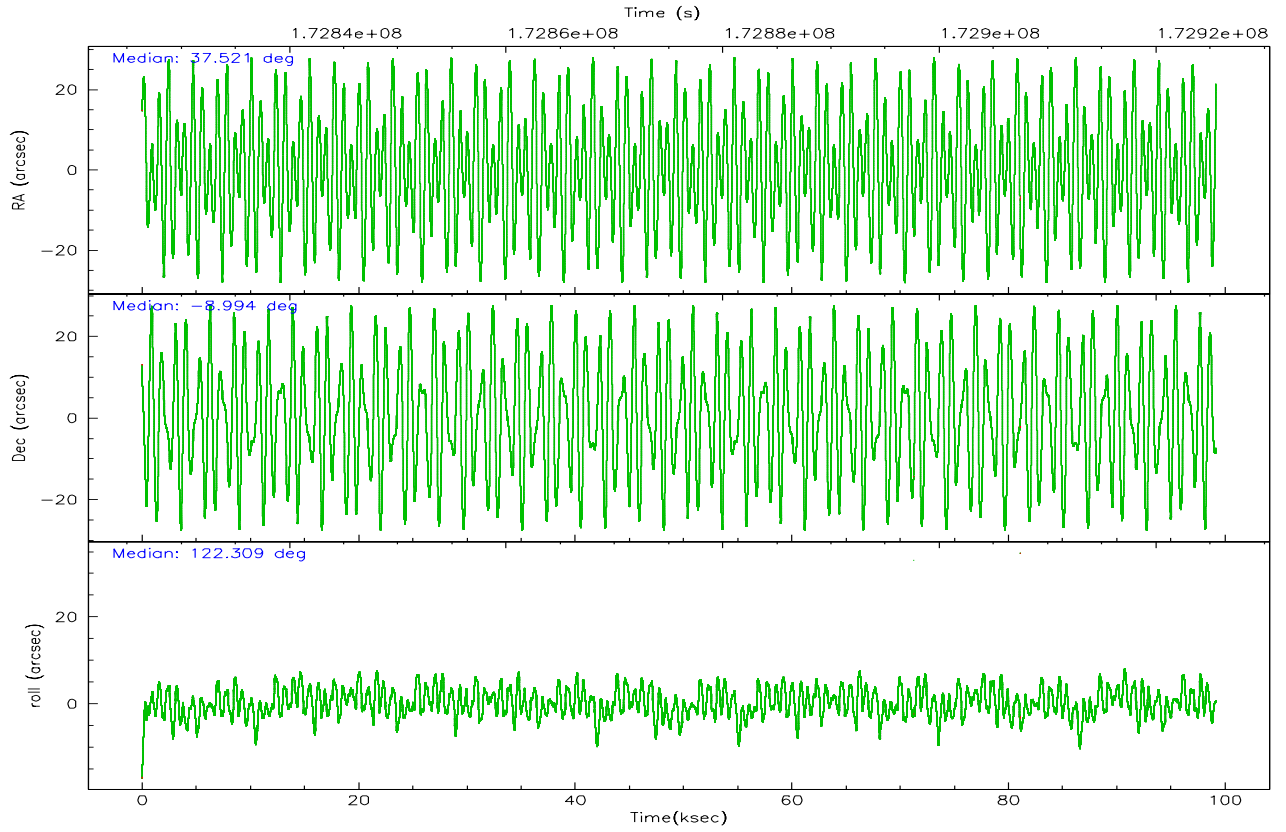
	segment 1	segment 2	segment 3
level 1 events	1799346	1816719	1813906
rejected events	395682	430203	481358
rejected %	21%	23%	26%

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	OVERRIDE	OVERRIDE
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	37.52050455259172	37.52050455259172			
Pointing Dec	-8.993893079218051	-8.993893079218051			
Pointing Roll	122.3185034886934	122.3185034886934			
SIM focus pos (mm)	-1.4281808131	-1.4281808131			
SIM defocus (mm)	0.1051557500557434	0.1051557500557434			
SIM translation stage pos (mm)	250.4660330802	250.4660330802			
SIM translation stage offset (mm)	-0.01005726120527584	-0.01005726120527584			
Observation start time	172824404.15192	172824404.15192			
Observation start date	2003-06-24T07:20:16	2003-06-24T06:46:44			
Observation end time	172925750.00621	172925750.00621			
Observation end date	2003-06-25T10:51:46	2003-06-25T10:55:50			

2.3 Aspect



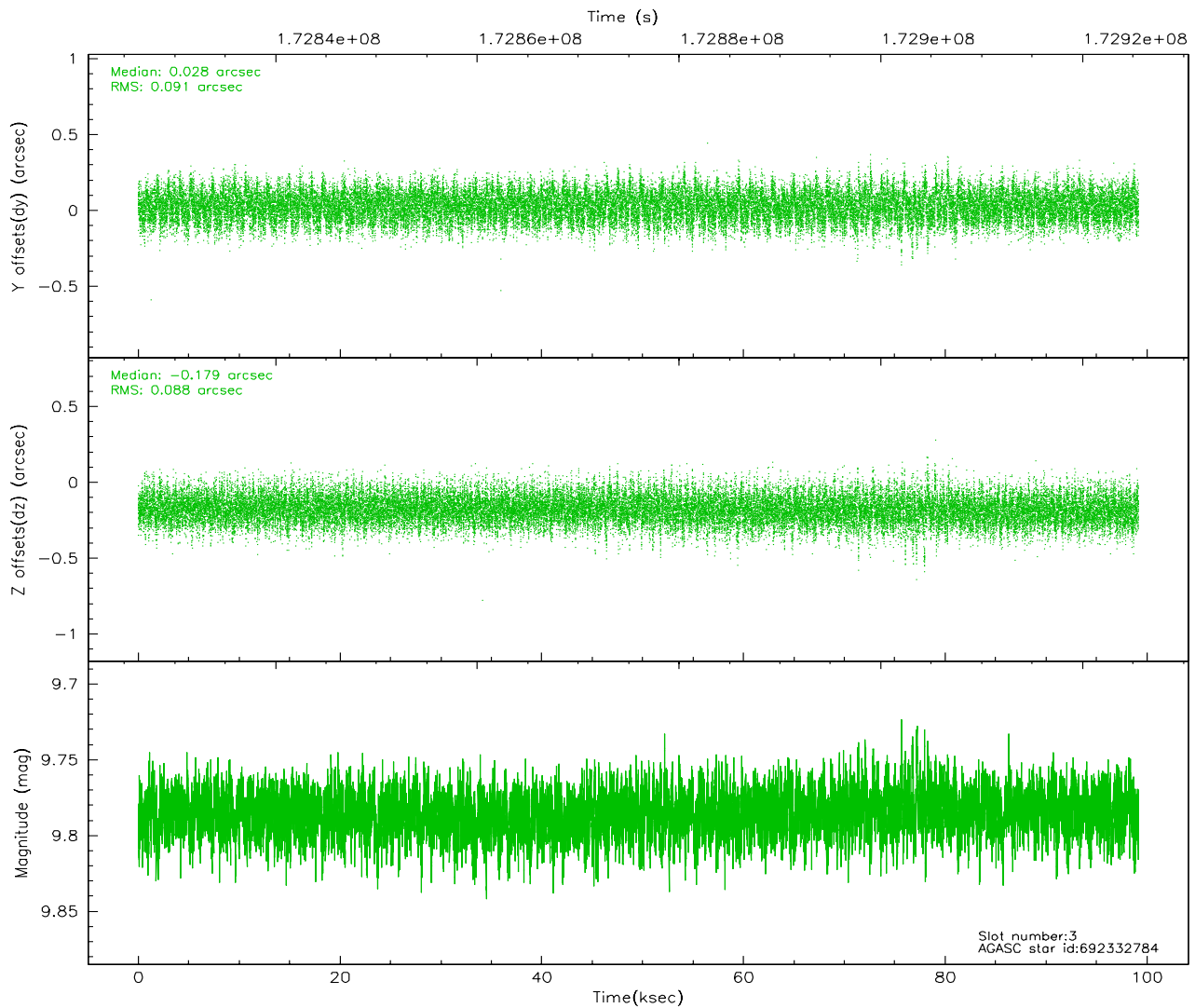
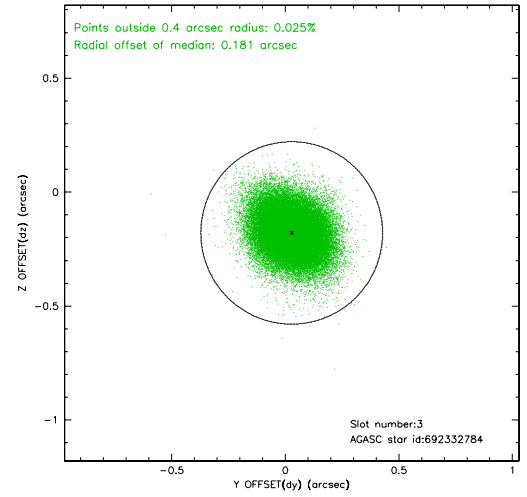
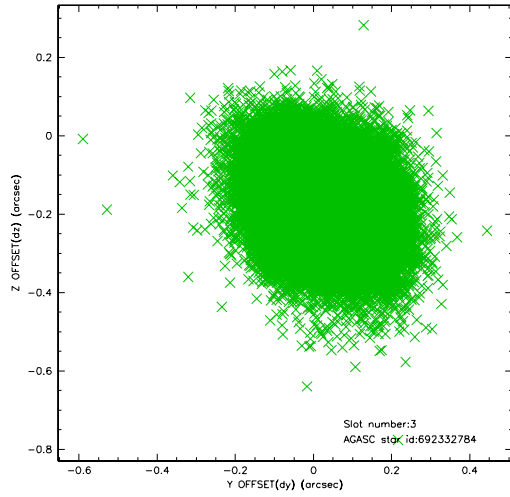


Slot Statistics

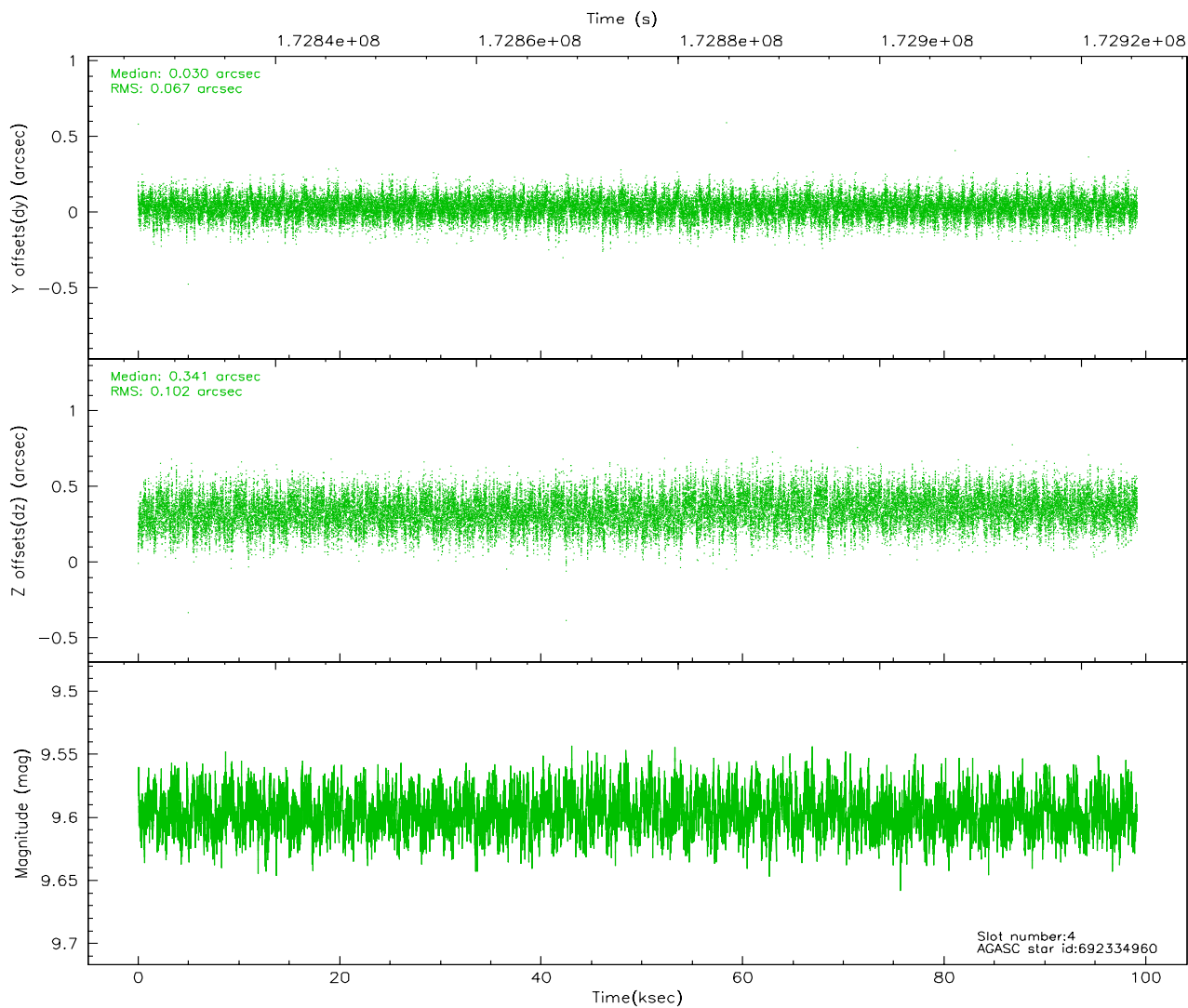
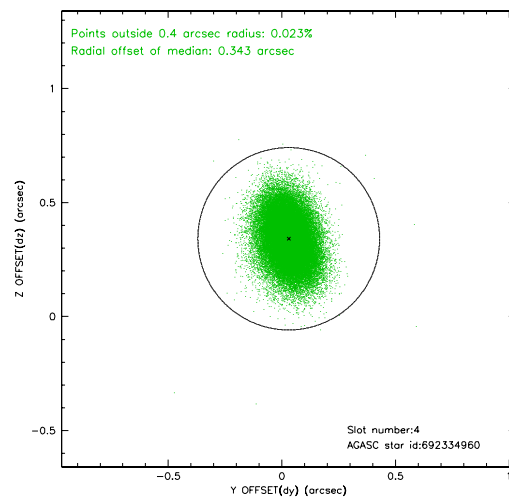
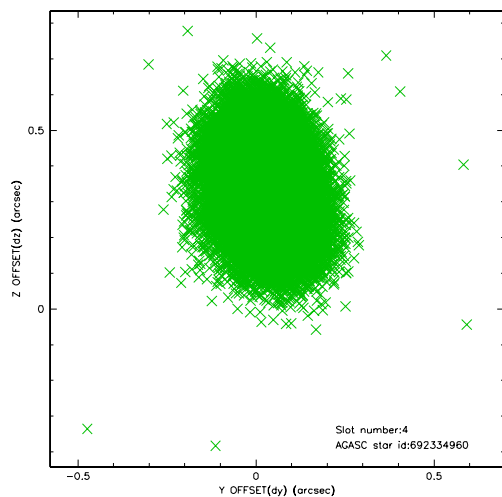
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	24194	0.117	-0.170	0.015	0.054	0.000000	0.000000	-1160.14	-458.49
1	FID	HRC-S-2	6.98	24193	0.134	-0.097	0.012	0.022	0.000000	0.000000	1239.51	-451.11
2	FID	HRC-S-3	7.00	24193	0.139	-0.034	0.016	0.064	0.000000	0.000000	-1162.78	571.14
3	GUIDE	692332784	9.79	48349	0.028	-0.179	0.134	0.216	37.078504	-9.403848	-325.23	2171.81
4	GUIDE	692334960	9.60	48357	0.030	0.341	0.129	0.216	38.103081	-8.961434	-921.47	-1756.57
5	GUIDE	692338128	8.23	48381	-0.069	0.065	0.068	0.114	37.441699	-9.399268	-998.71	1071.65
6	GUIDE	692327352	9.10	48370	-0.006	-0.189	0.116	0.181	37.165312	-9.595949	-1074.74	2279.20
7	GUIDE	692341664	10.07	48281	0.007	-0.046	0.197	0.330	37.279134	-9.834915	-2017.95	2396.03

2.4 Star Slots

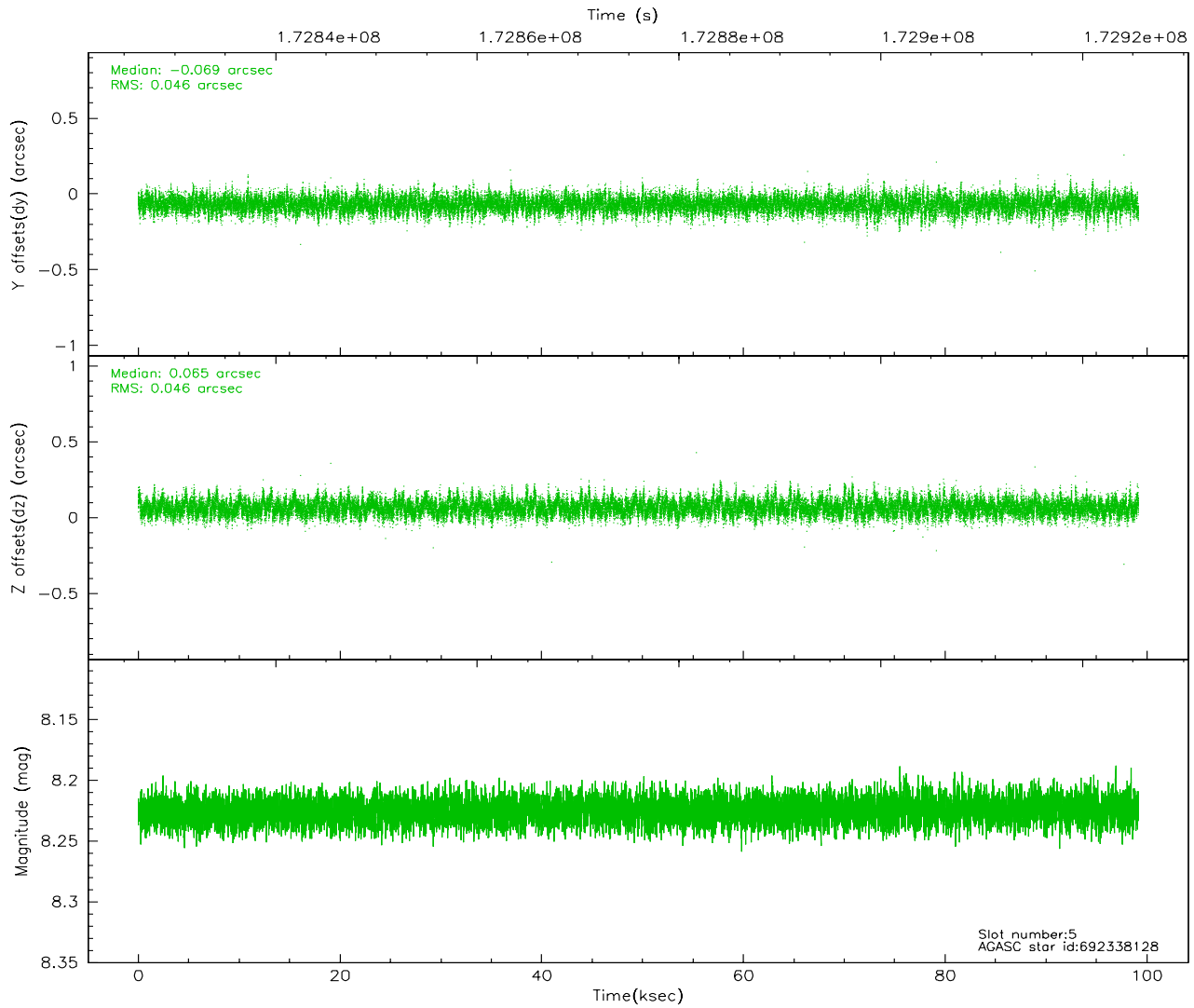
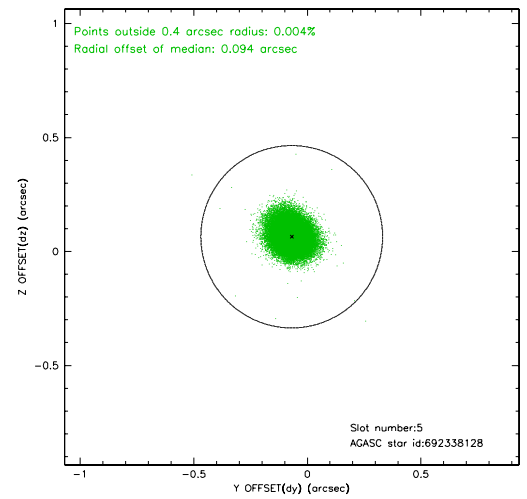
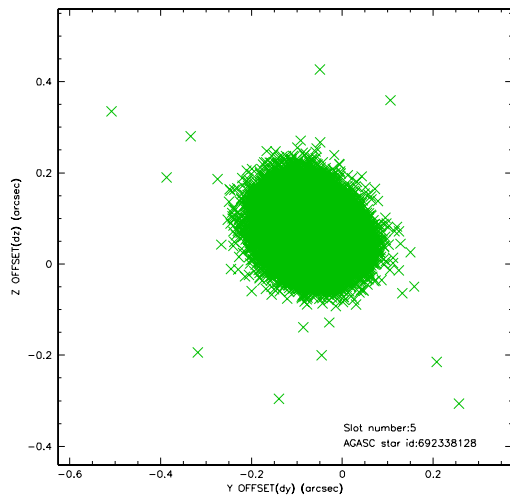
2.4.1 Slot 3



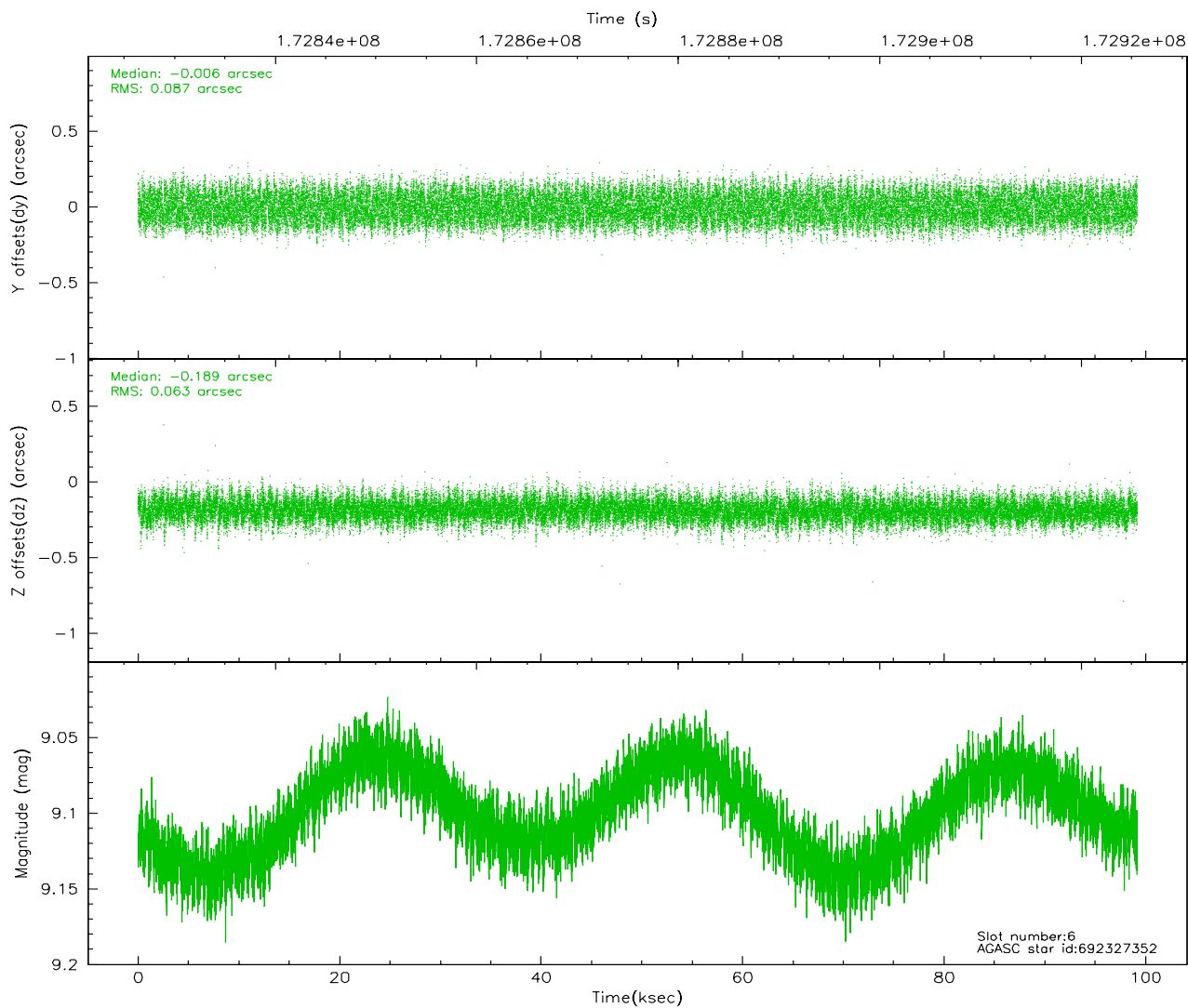
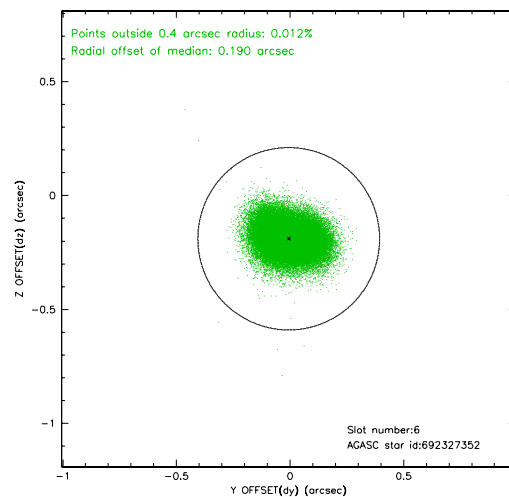
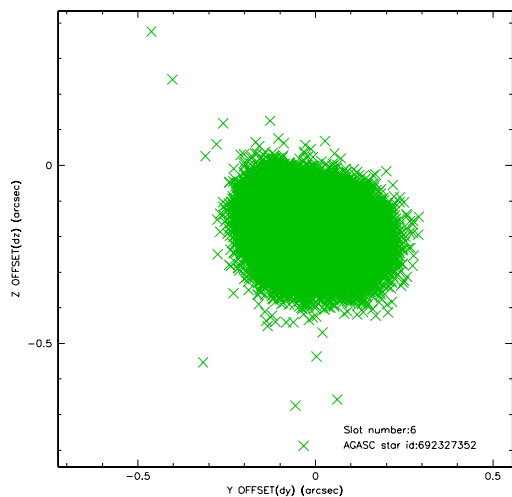
2.4.2 Slot 4



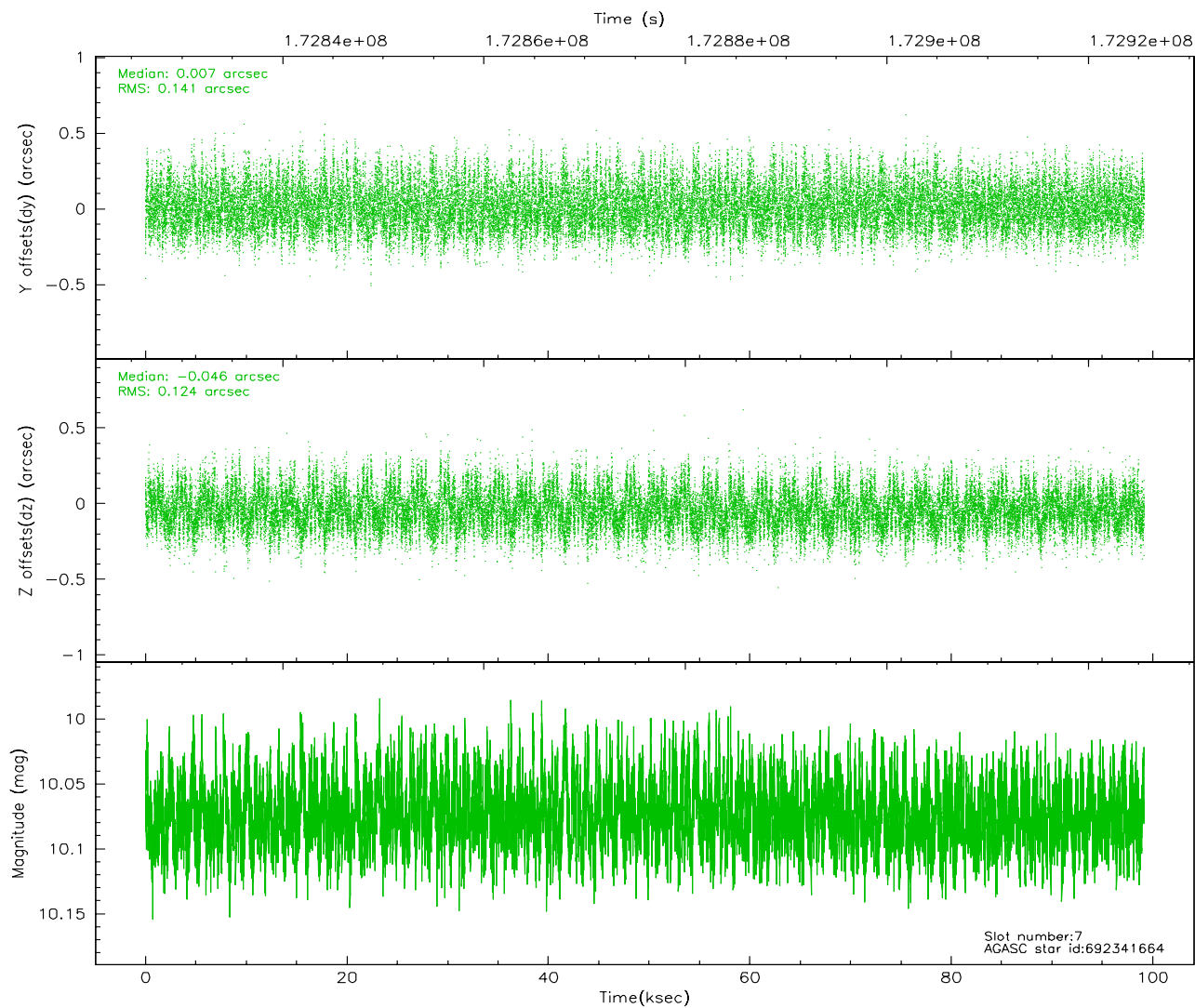
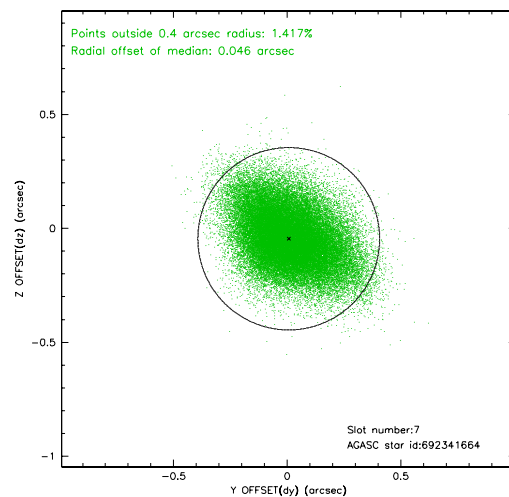
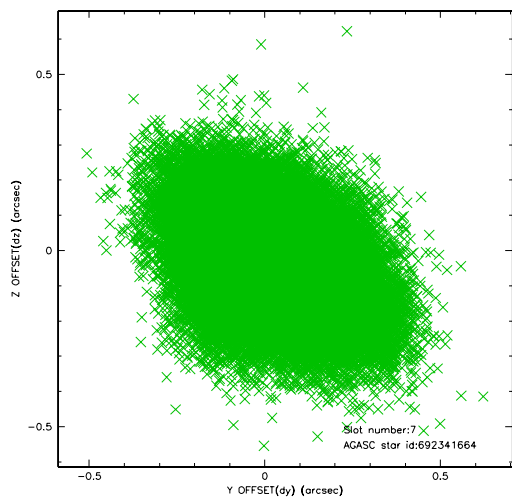
2.4.3 Slot 5



2.4.4 Slot 6

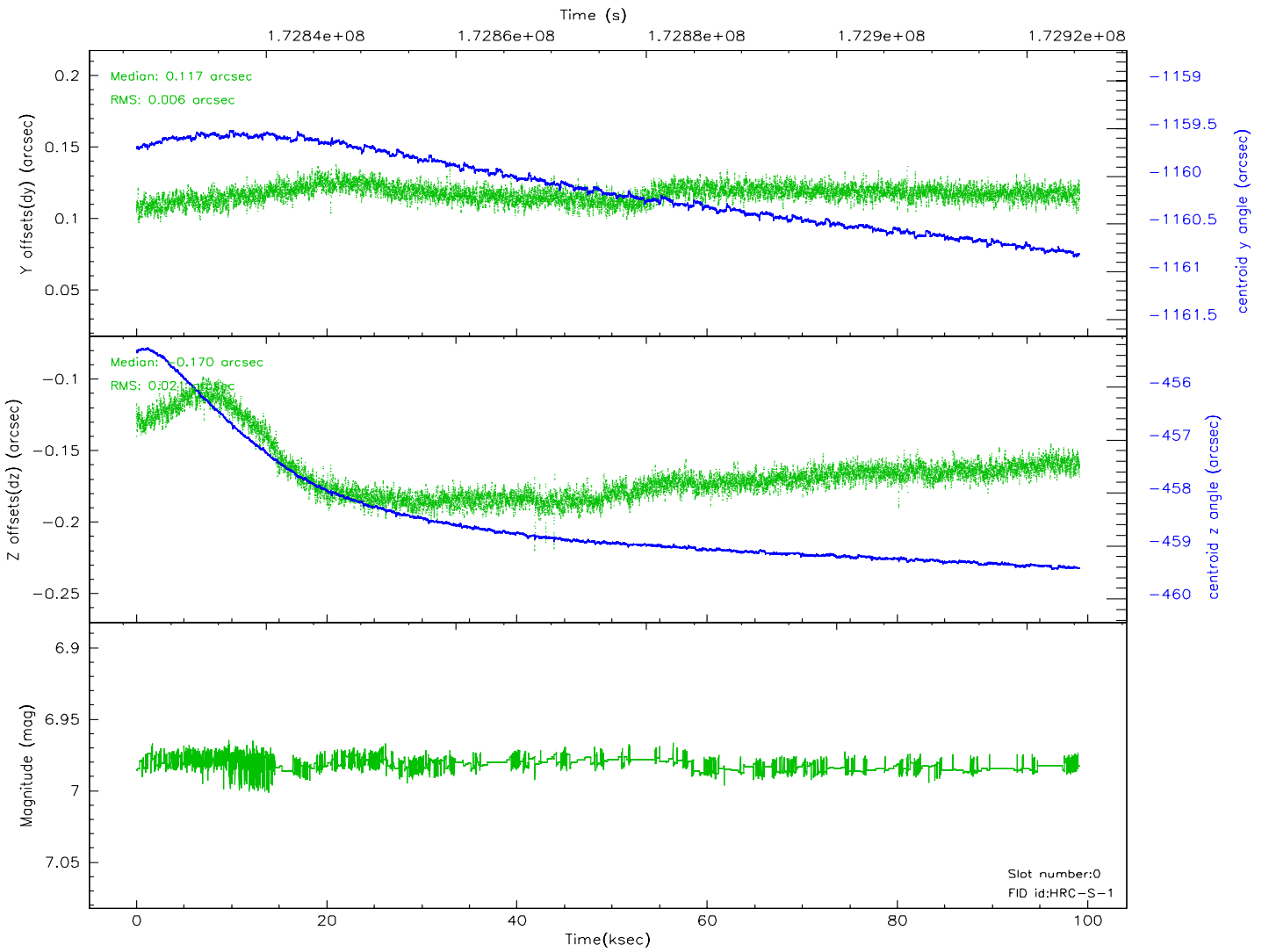
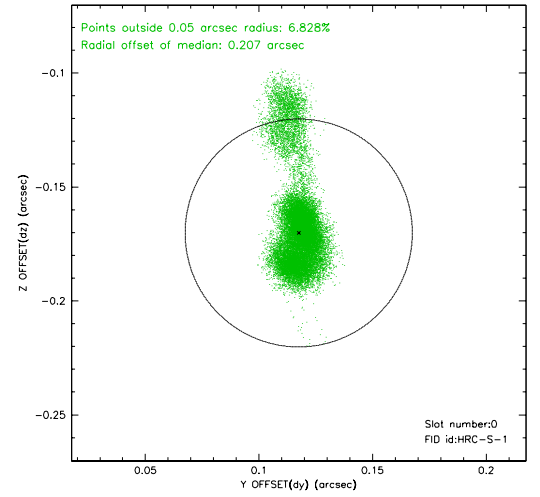
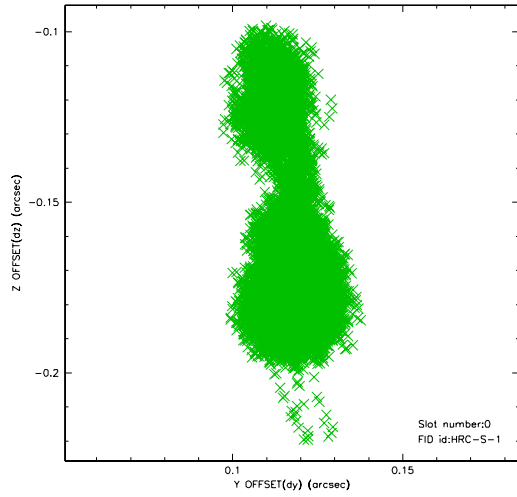


2.4.5 Slot 7

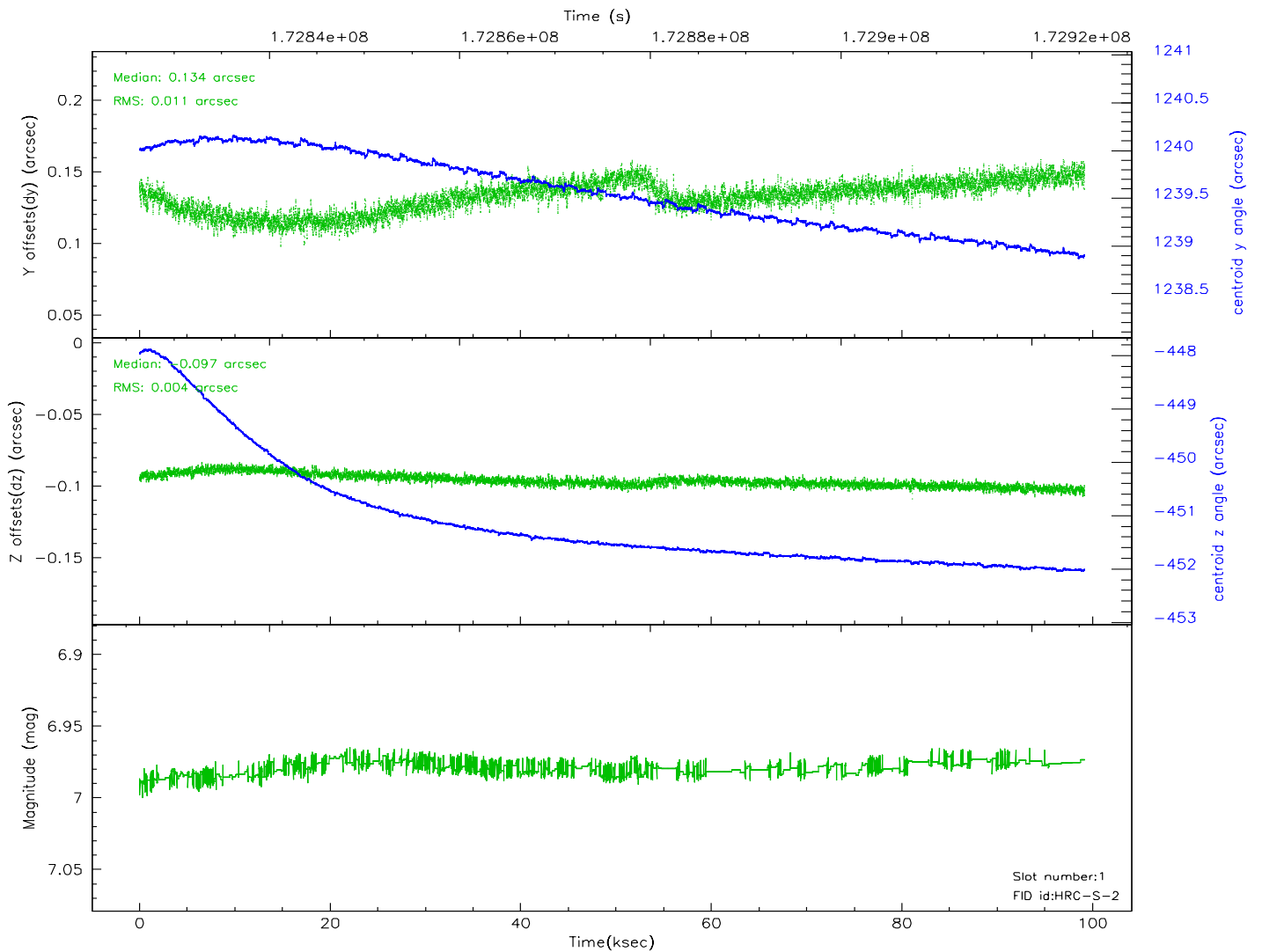
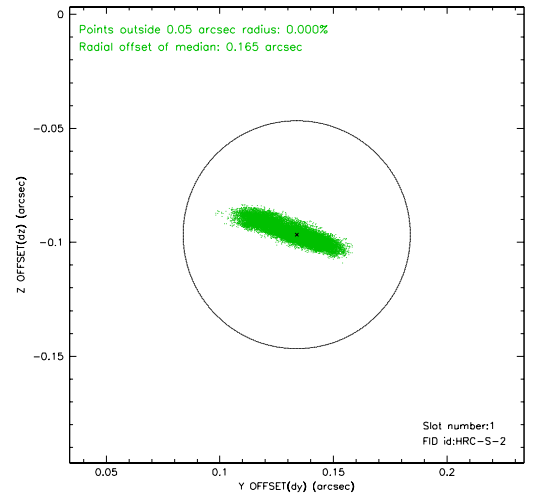
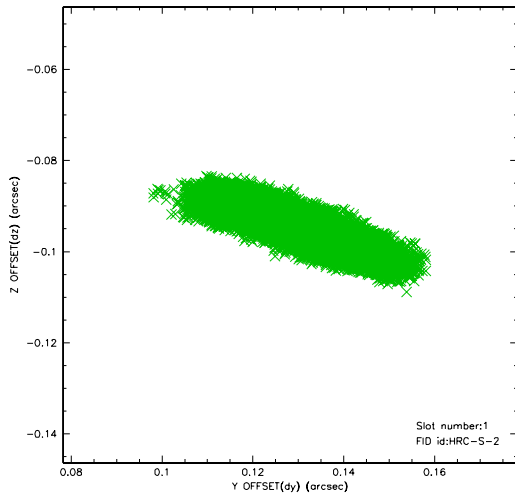


2.5 FID Slots

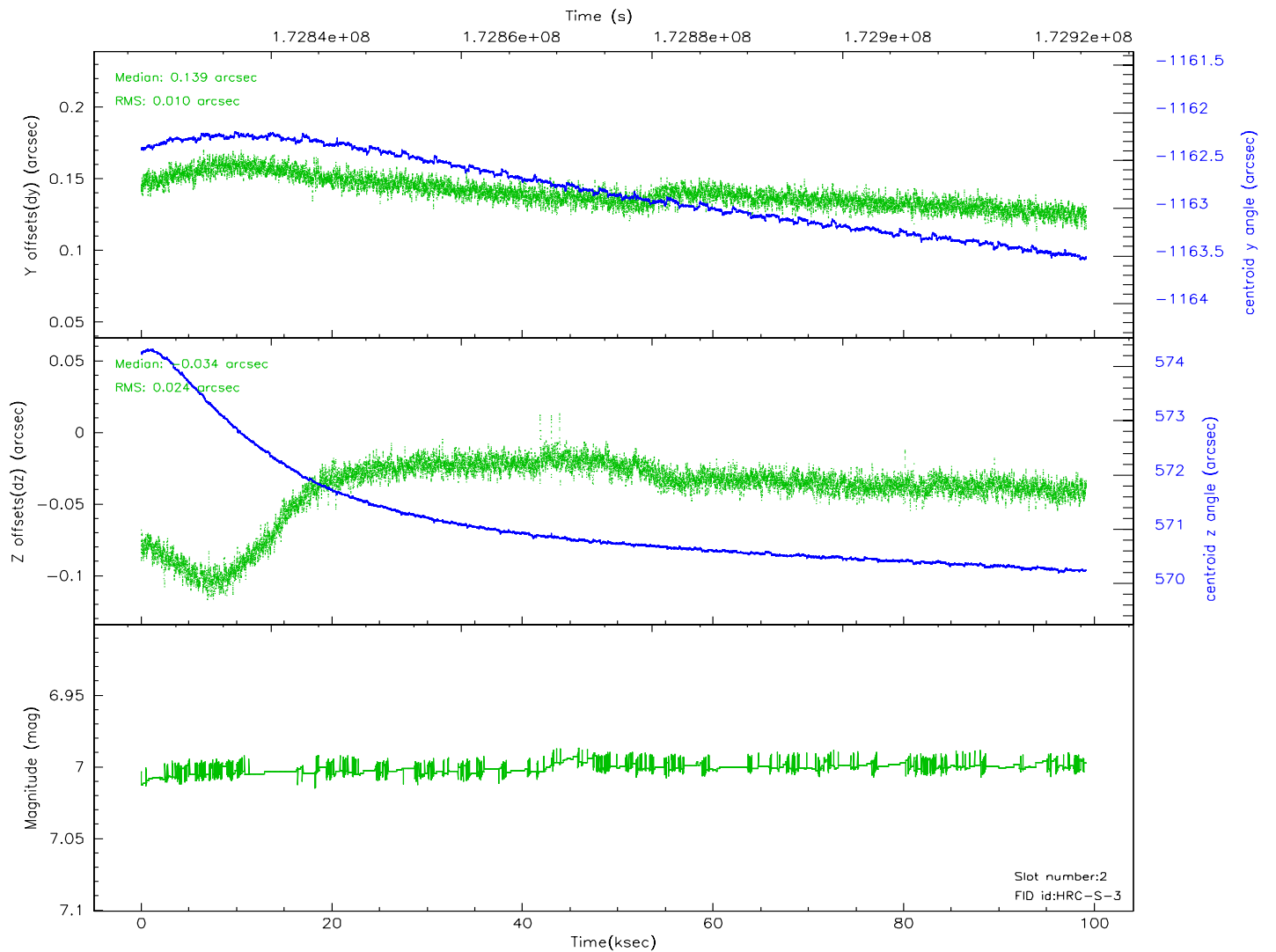
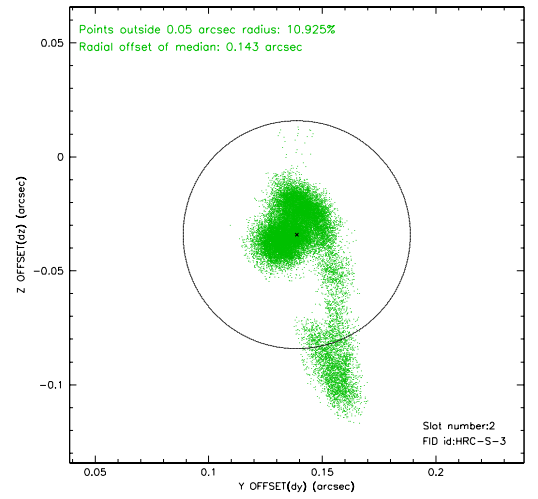
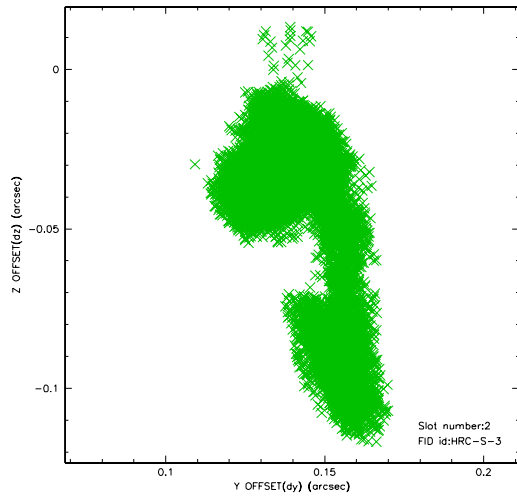
2.5.1 Slot 0



2.5.2 Slot 1

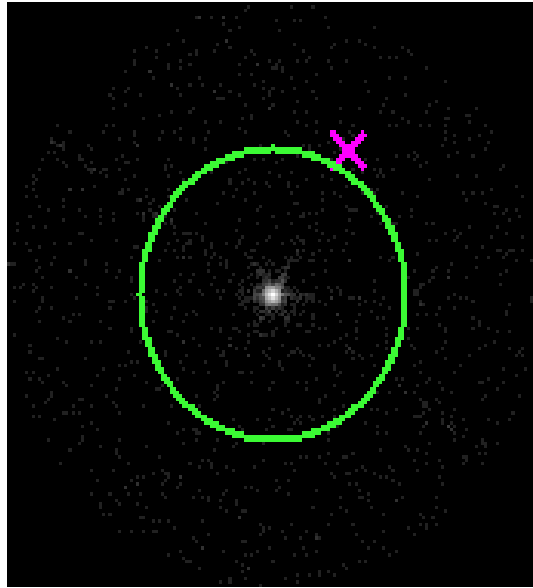


2.5.3 Slot 2



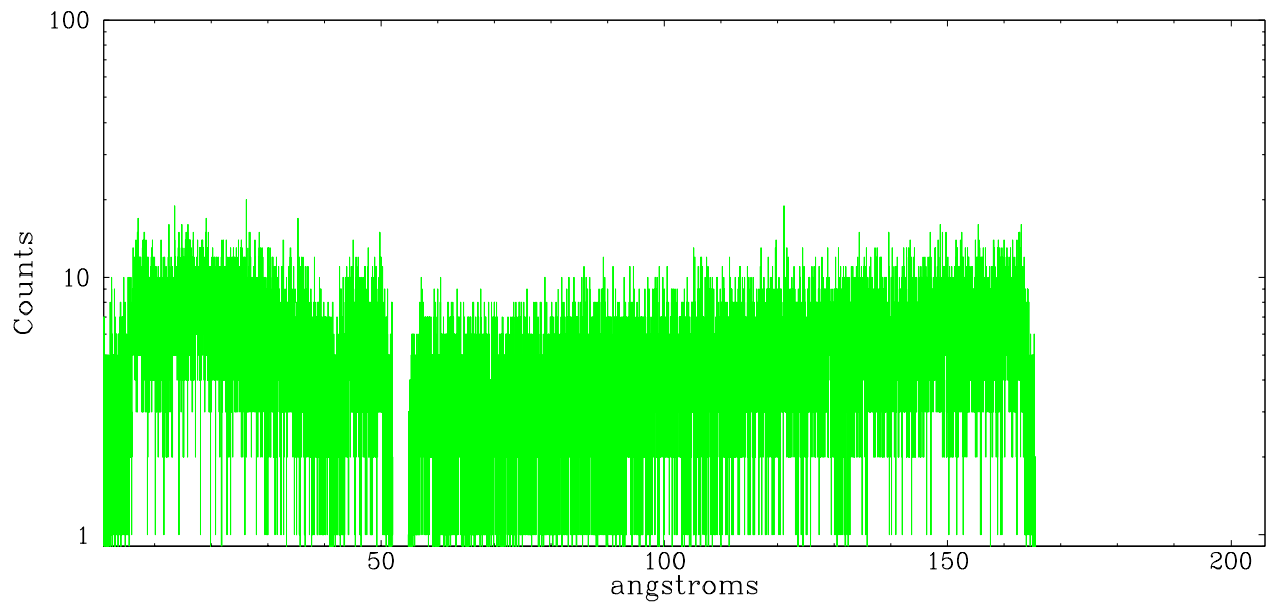
3 Gratings

3.1 LETG Arm

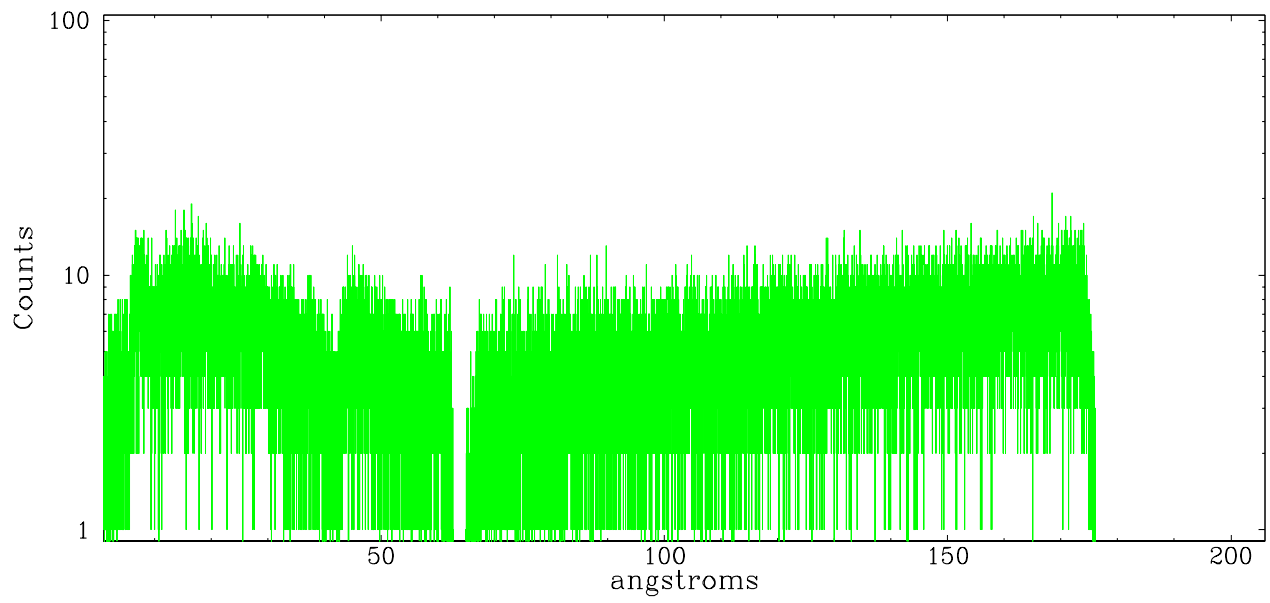


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	98.916

A.2 Comments

Joint proposal with HST. ===== Because of a flight operational issue, the spacecraft entered normal maneuver mode (also possibly standby or nudge mode) for a period during this observation. To process all the available data, an override obspar was required.-----Declination is incorrect as supplied by user. Coordinates should be ra=02h30m05.525s, dec=-08d59m53.29s according to NED.