

V&V Reference Report

L2 ASCDS Version : 7.6.11

Observation 3144 - L2 Version 2
Chandra X-Ray Center

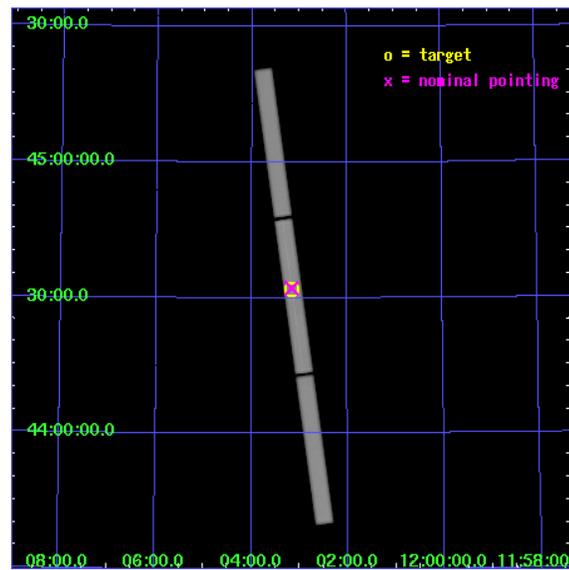
L2 Processing Date : Aug 28 2007

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1 Front

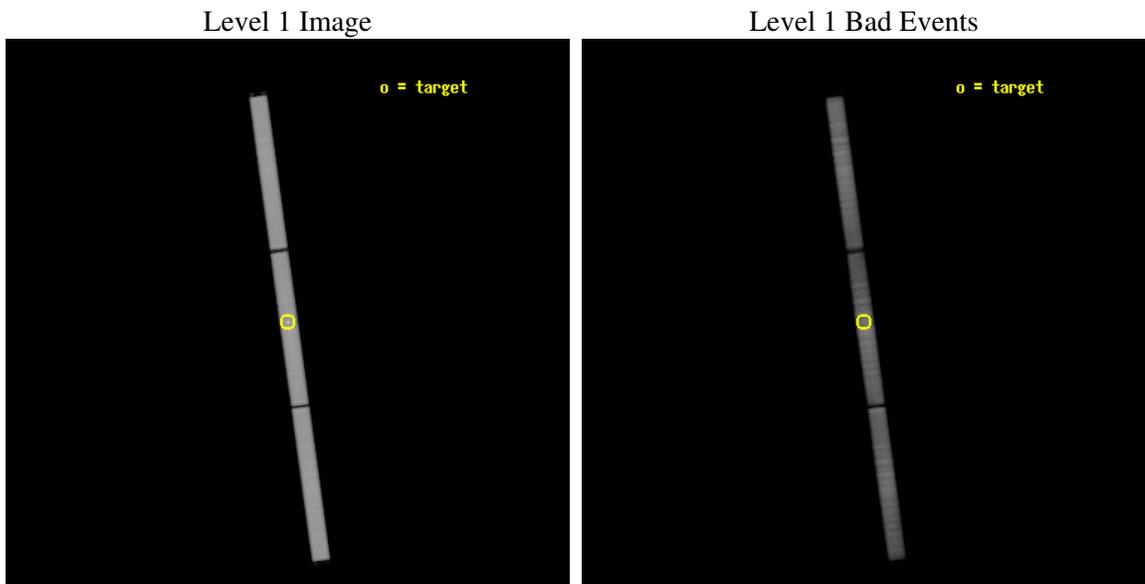
seq_num	700583
obs_id	3144
title	SOFT X-RAY EMISSION AND ABSORPTION IN NGC 4051
observer	Dr. Mariano Mendez
object	NGC 4051
ra_targ	180.79
dec_targ	44.531444
ra_nom	180.79111032515
dec_nom	44.53609968694
roll_nom	82.089443378185
revision	2
ontime	92064.734947875
livetime	91455.432653847
l2events	4665534



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11
caldbver	3.4.0
date	2007-08-28T19:59:26
revision	2

sched_exp_time	92500.000000
ontime	92064.734947875
l1events	6884118

2.1.3 Events

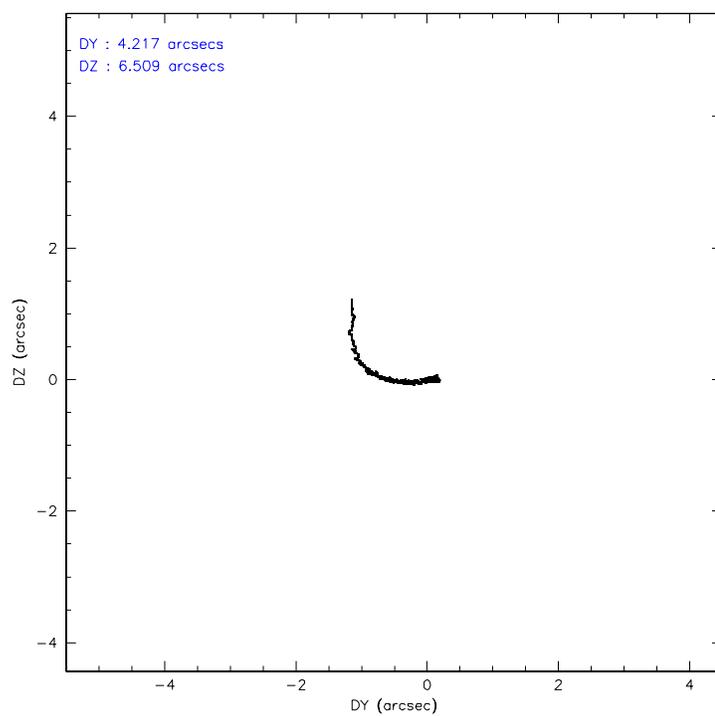
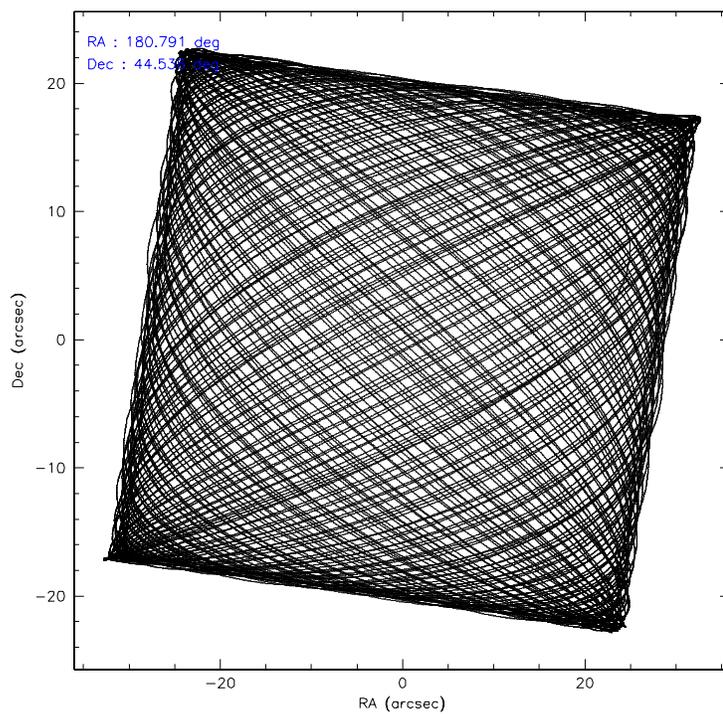
Level 1 Events

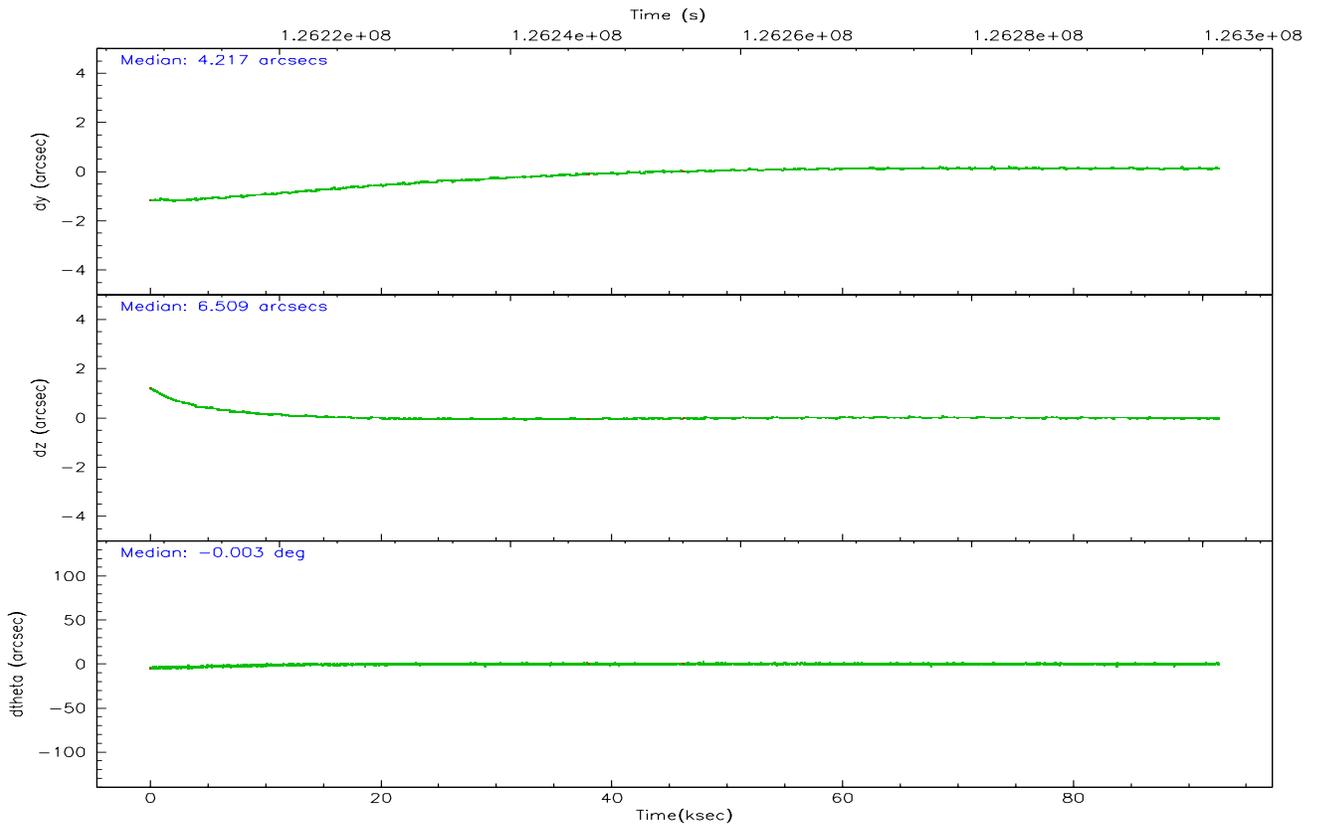
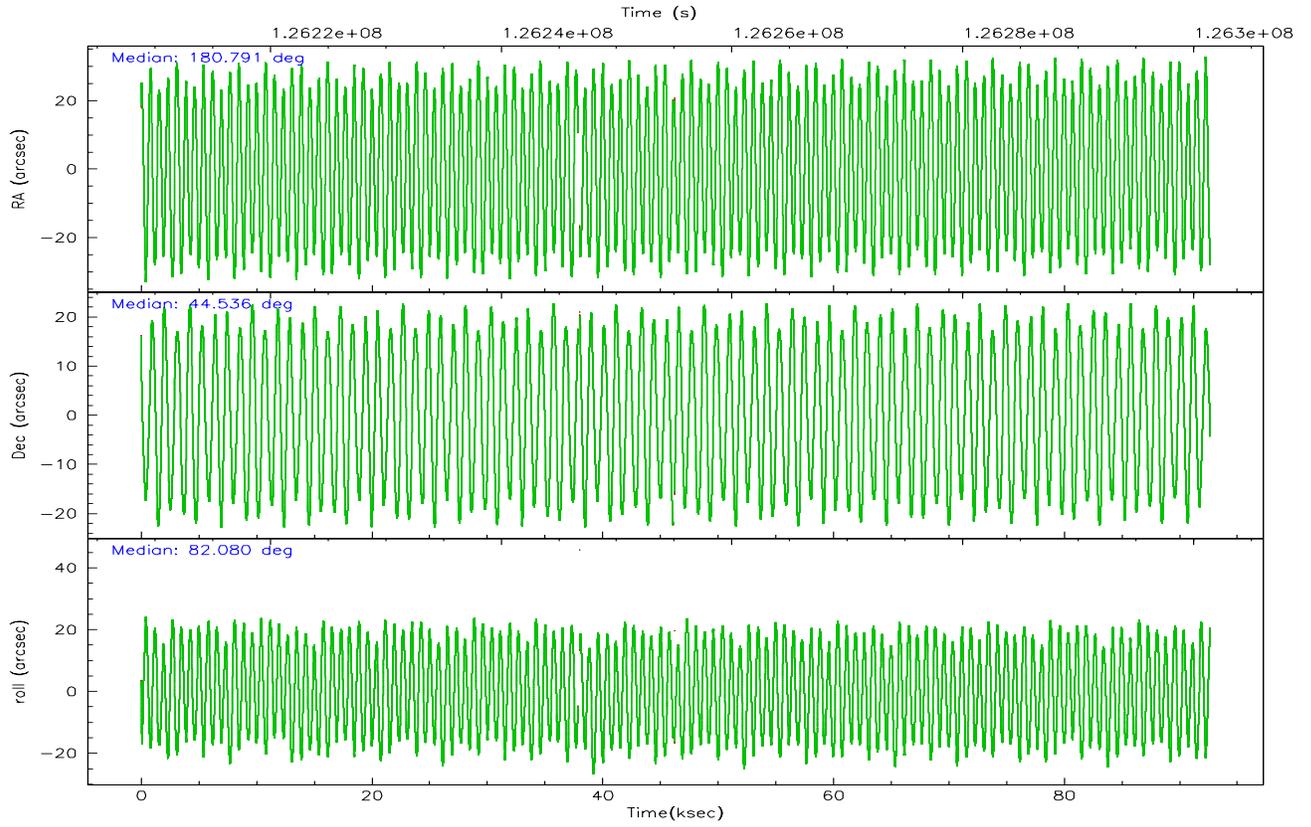
	segment 1	segment 2	segment 3
level 1 events	2314342	2312457	2257319
rejected events	462581	501376	570537
rejected %	19%	21%	25%

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	180.807998	180.7911103251513			
Pointing Dec	44.510118	44.53609968694013			
Pointing Roll	82.010269	82.08944337818545			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	126208948.184000	126207641.56092			
Observation start date	2001-12-31T18:01:24	2001-12-31T17:40:41			
Observation end time	126301448.184000	126301906.20221			
Observation end date	2002-01-01T19:43:04	2002-01-01T19:51:46			

2.3 Aspect



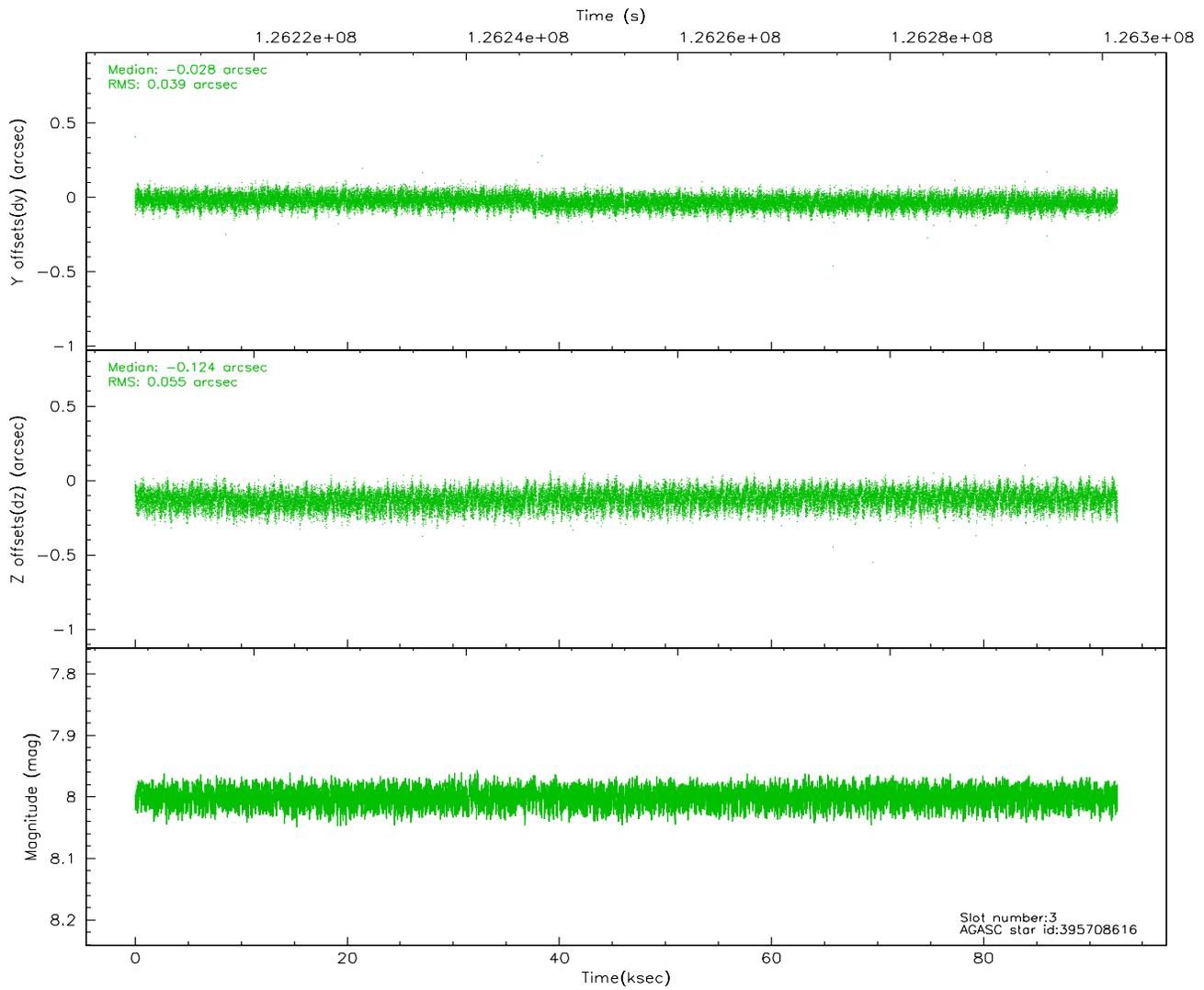
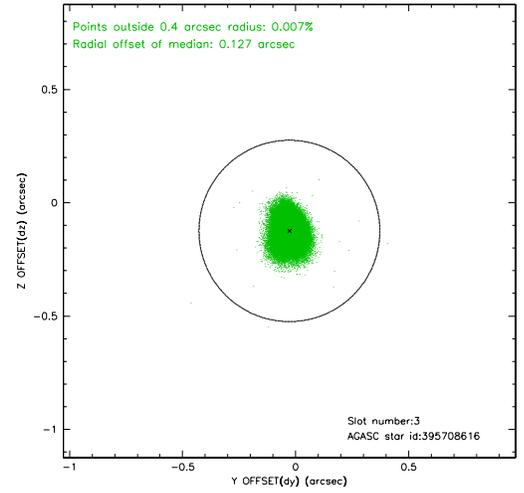
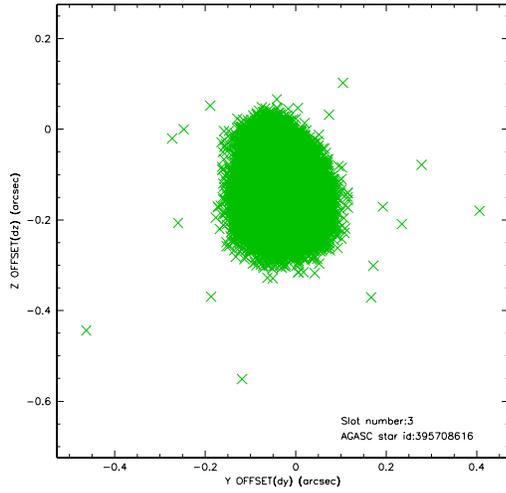


Slot Statistics

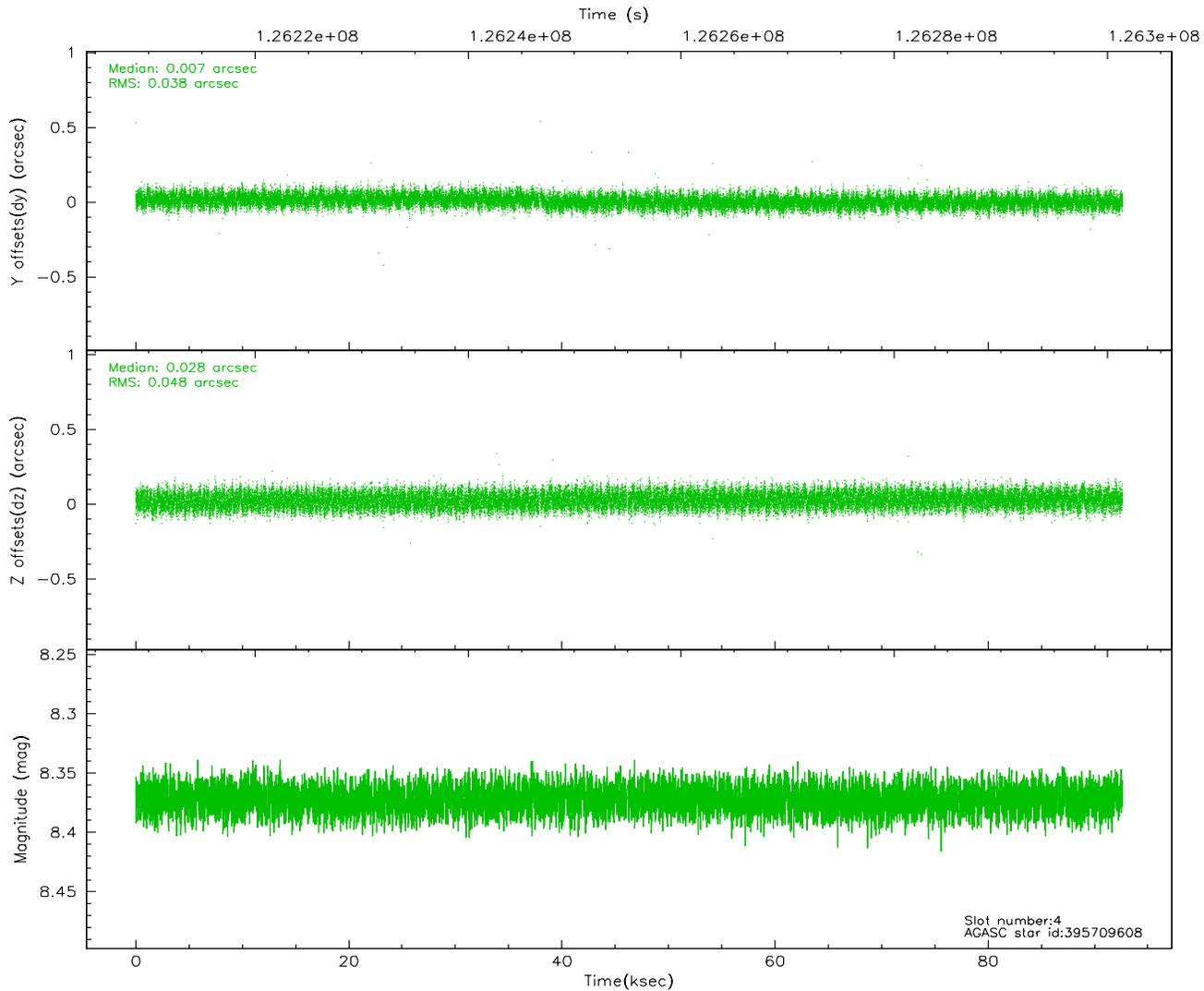
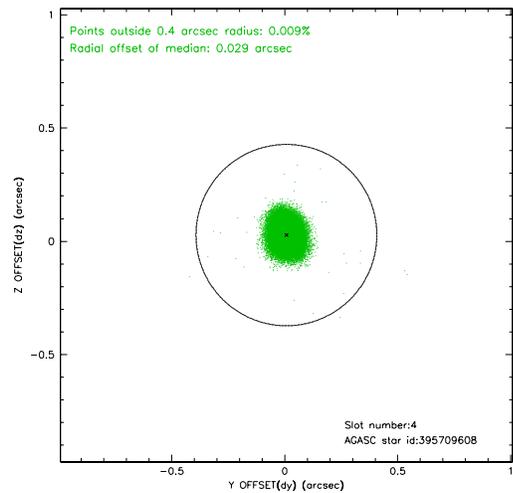
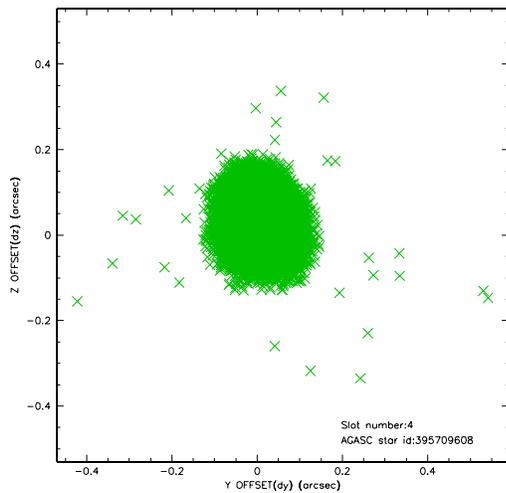
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	22531	0.154	-0.128	0.010	0.028	0.000000	0.000000	-1158.07	-455.04
1	FID	HRC-S-2	7.00	22531	0.083	-0.091	0.006	0.025	0.000000	0.000000	1241.49	-447.68
2	FID	HRC-S-3	7.03	22531	0.152	-0.083	0.009	0.024	0.000000	0.000000	-1160.73	574.51
3	GUIDE	395708616	8.00	45059	-0.028	-0.124	0.072	0.118	180.101872	44.630343	185.01	1852.59
4	GUIDE	395709608	8.37	45059	0.007	0.028	0.066	0.103	181.055130	44.450389	-123.18	-658.67
5	GUIDE	395710032	8.82	45050	-0.027	0.096	0.086	0.136	181.512910	44.376001	-217.60	-1862.22
6	GUIDE	395708696	8.87	45051	0.001	-0.020	0.083	0.136	180.383726	44.624291	258.96	1134.00
7	GUIDE	395707376	9.36	44944	-0.012	0.047	0.081	0.132	180.967983	44.858789	1300.55	-229.49

2.4 Star Slots

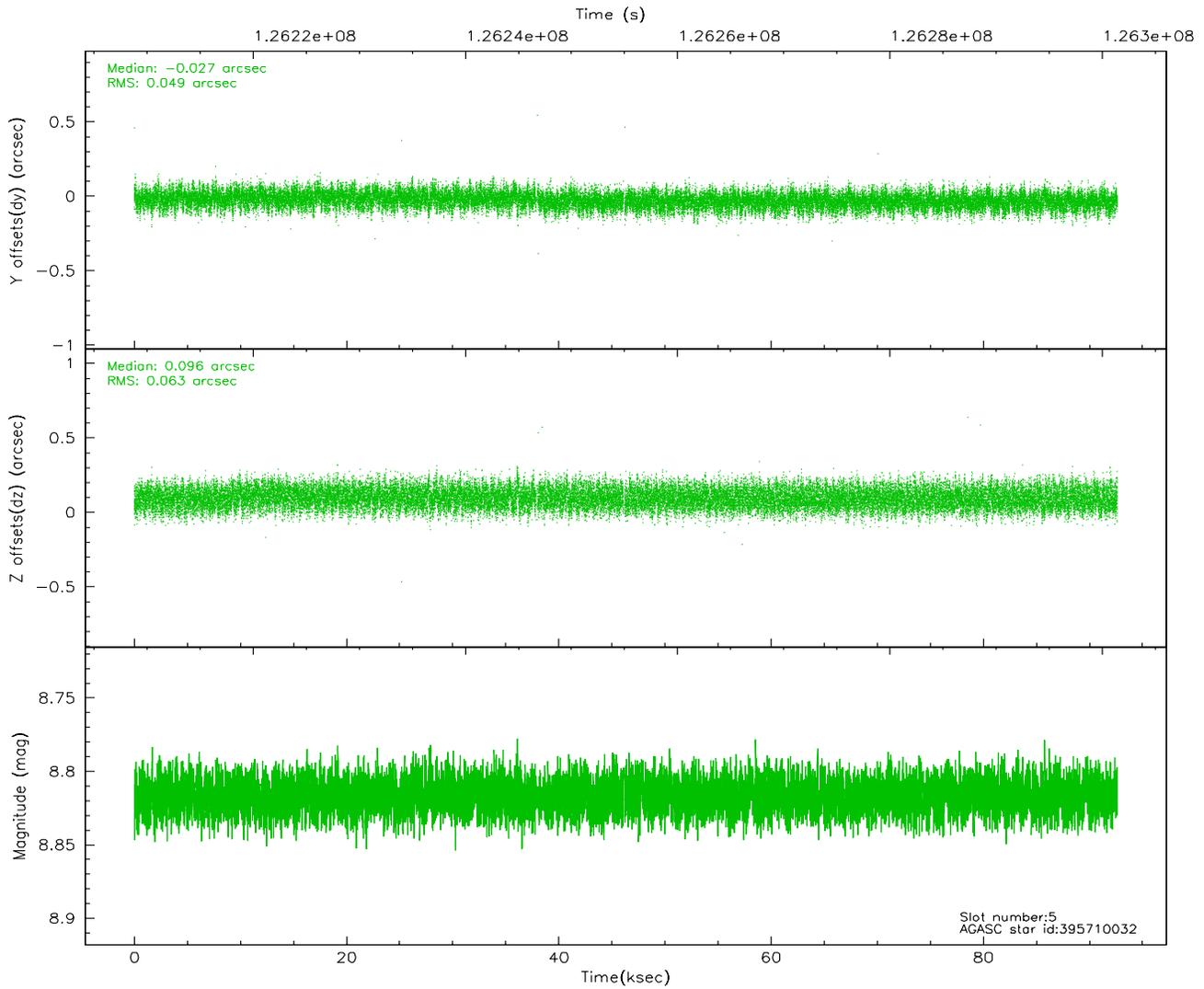
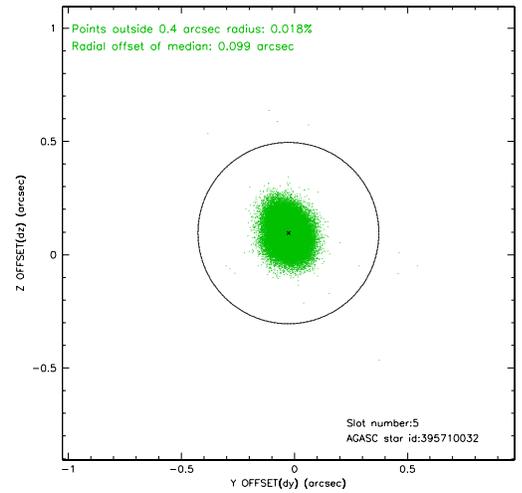
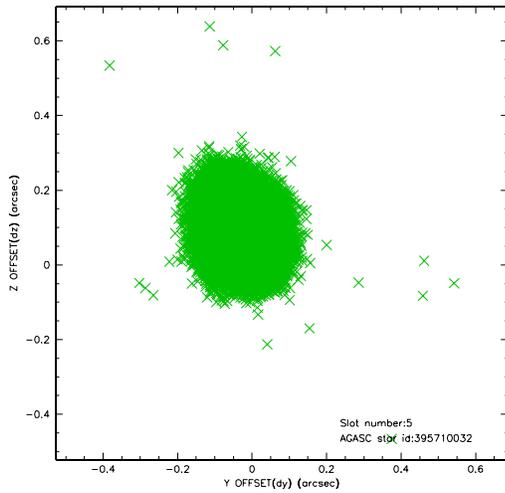
2.4.1 Slot 3



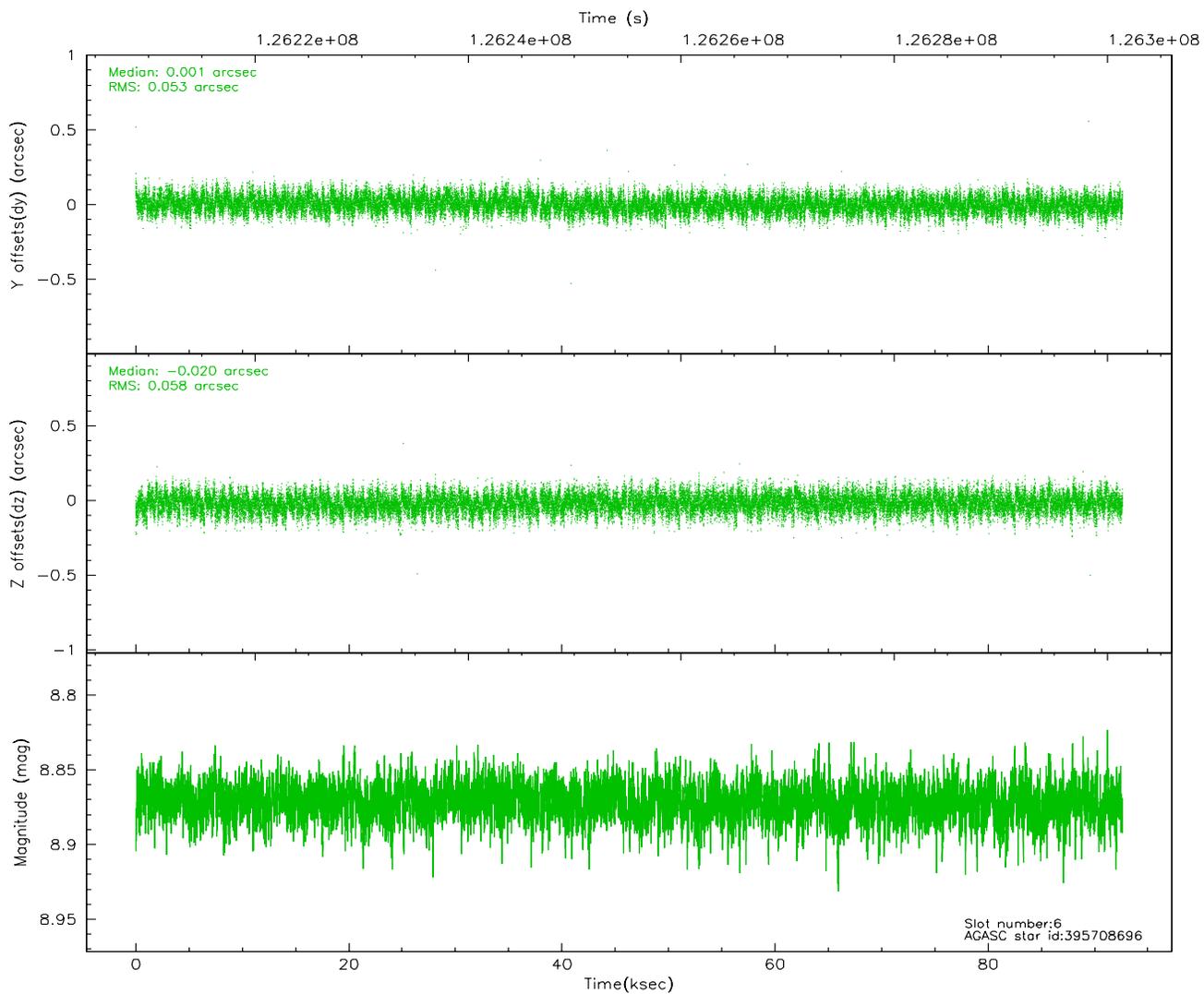
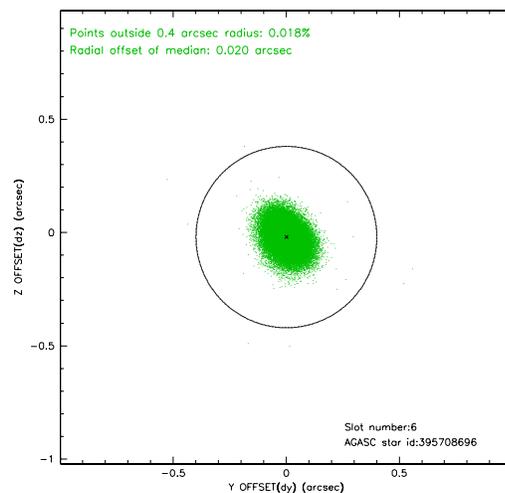
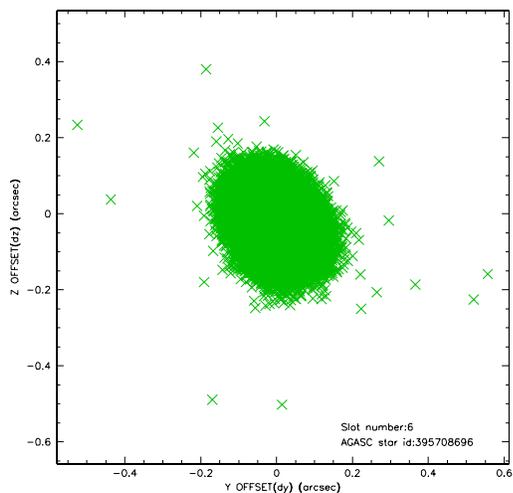
2.4.2 Slot 4



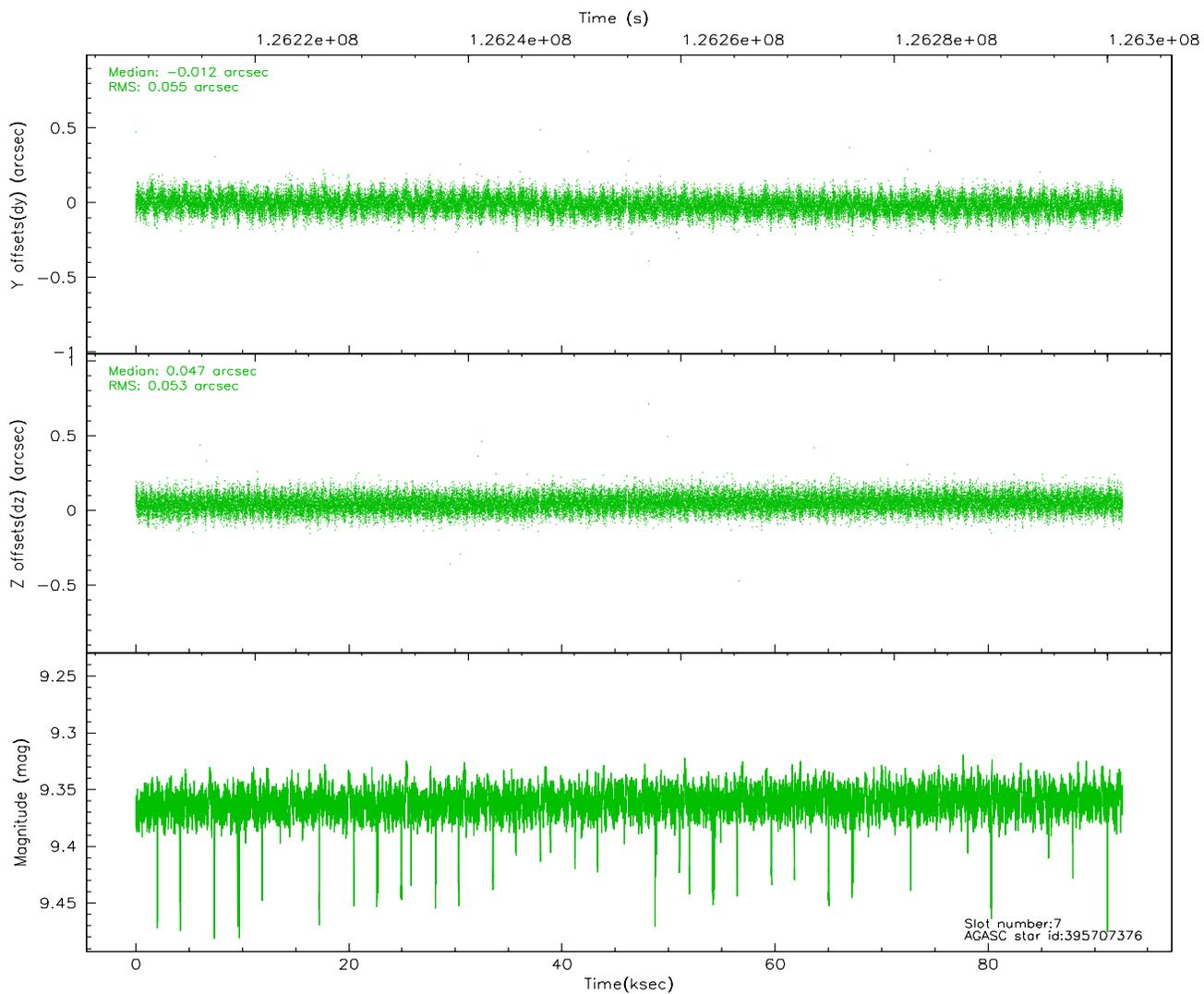
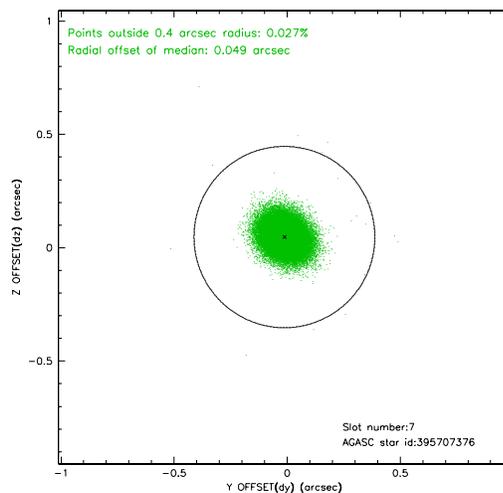
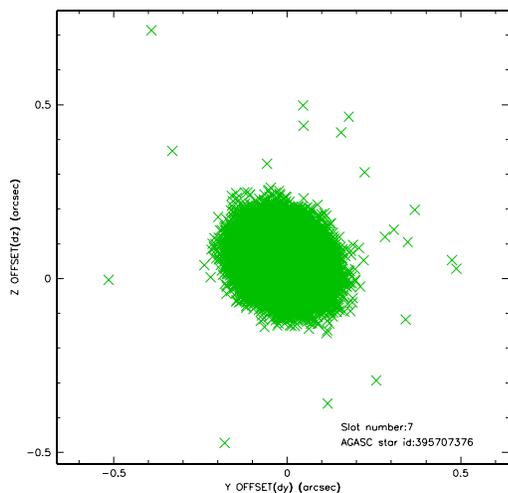
2.4.3 Slot 5



2.4.4 Slot 6

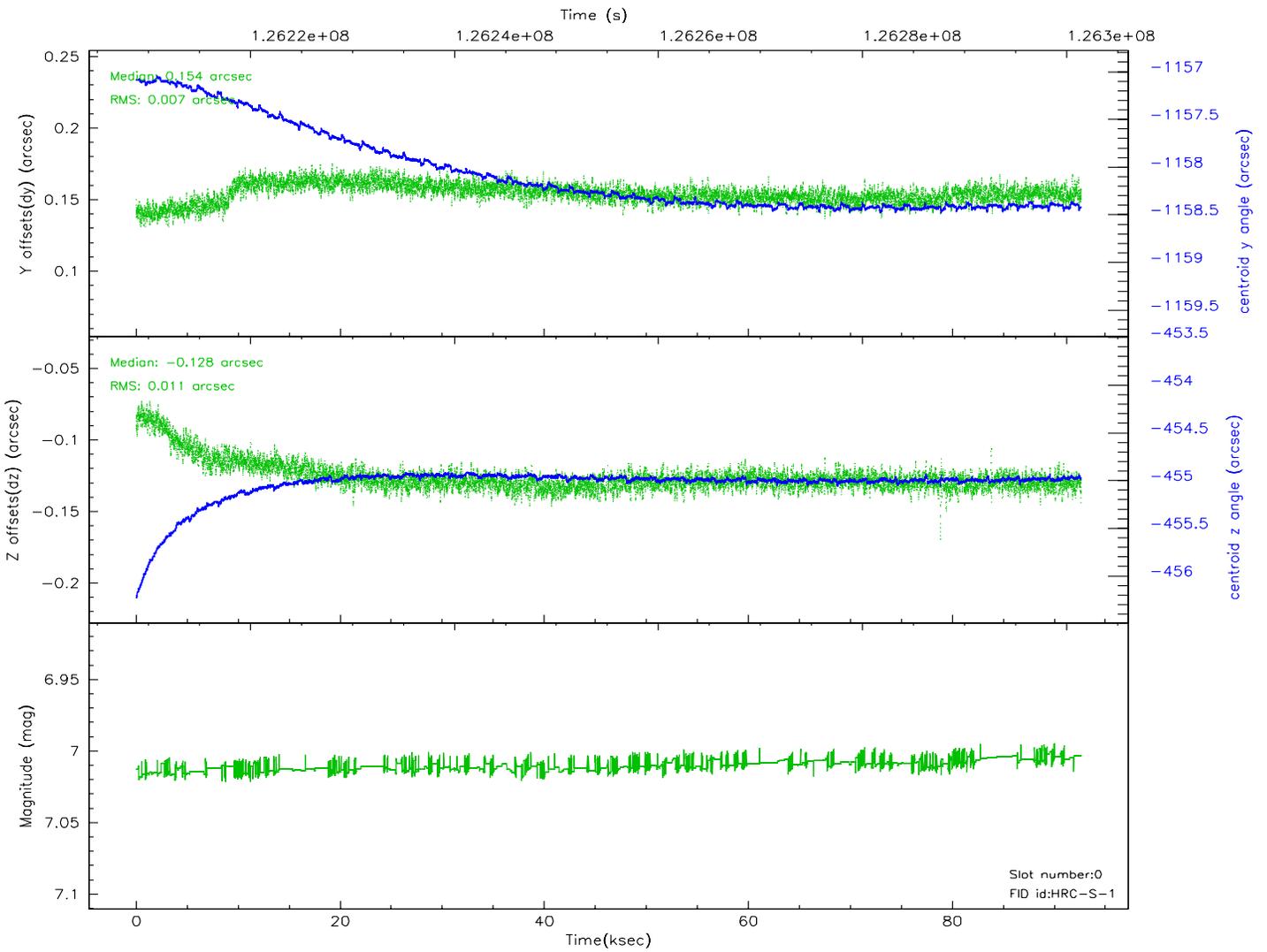
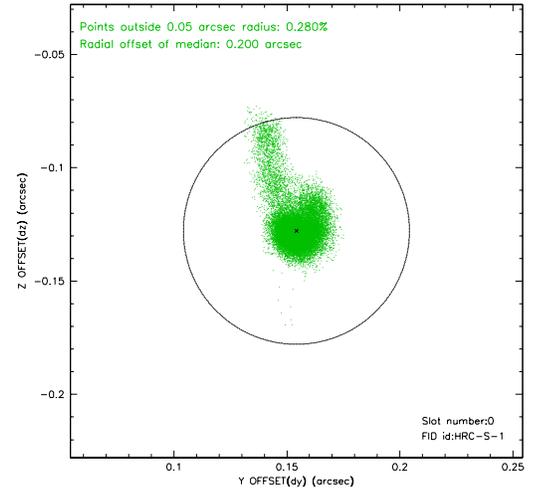
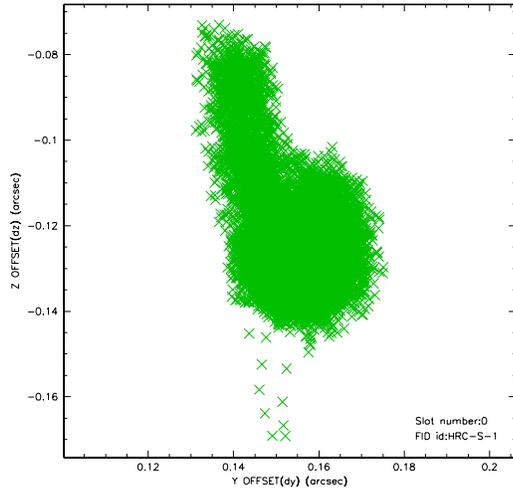


2.4.5 Slot 7

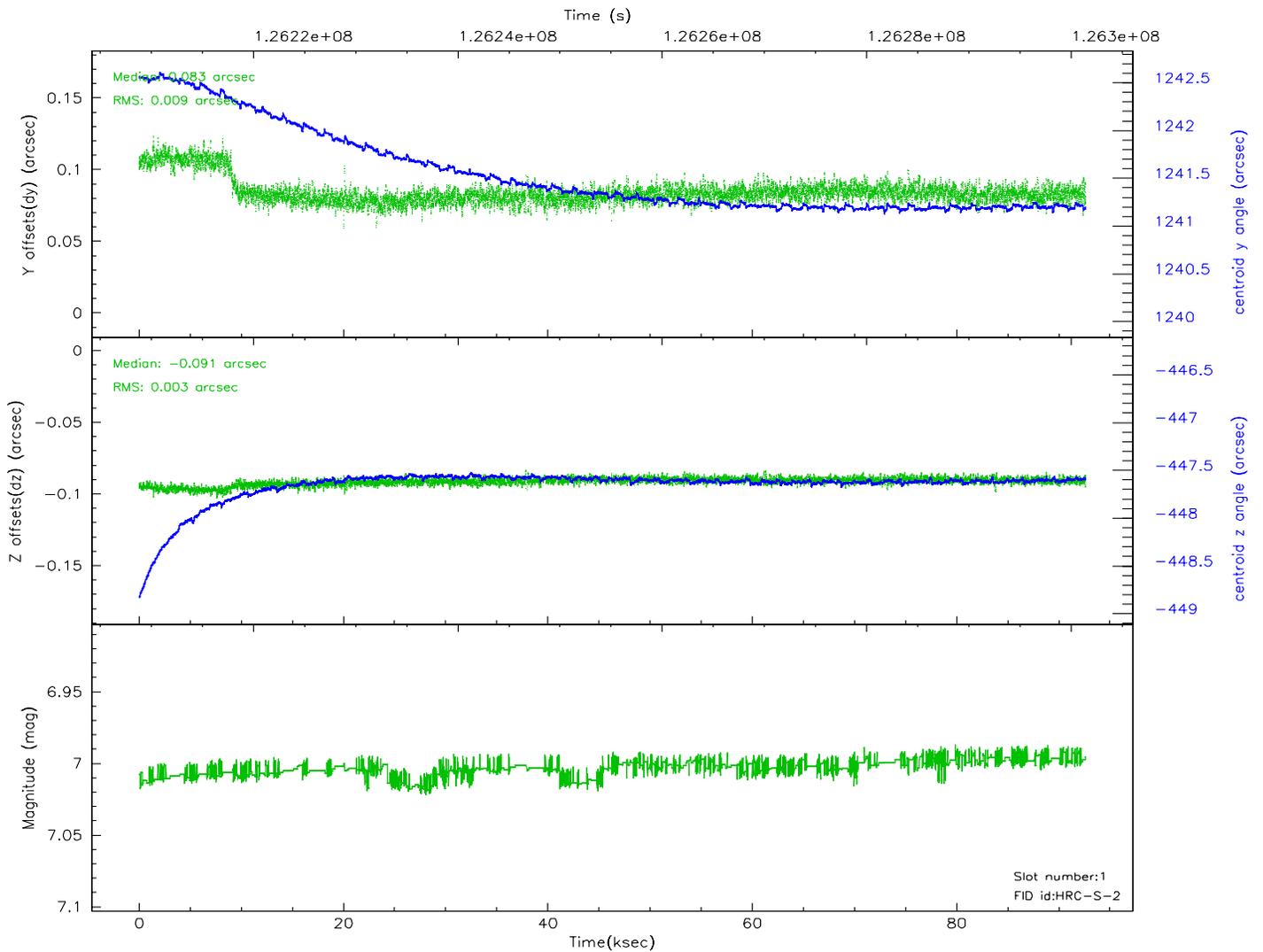
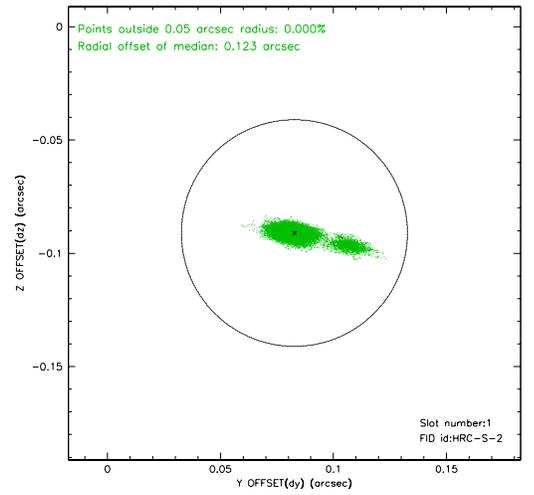
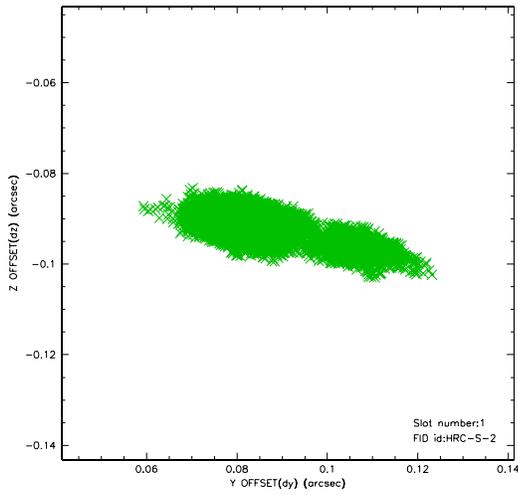


2.5 FID Slots

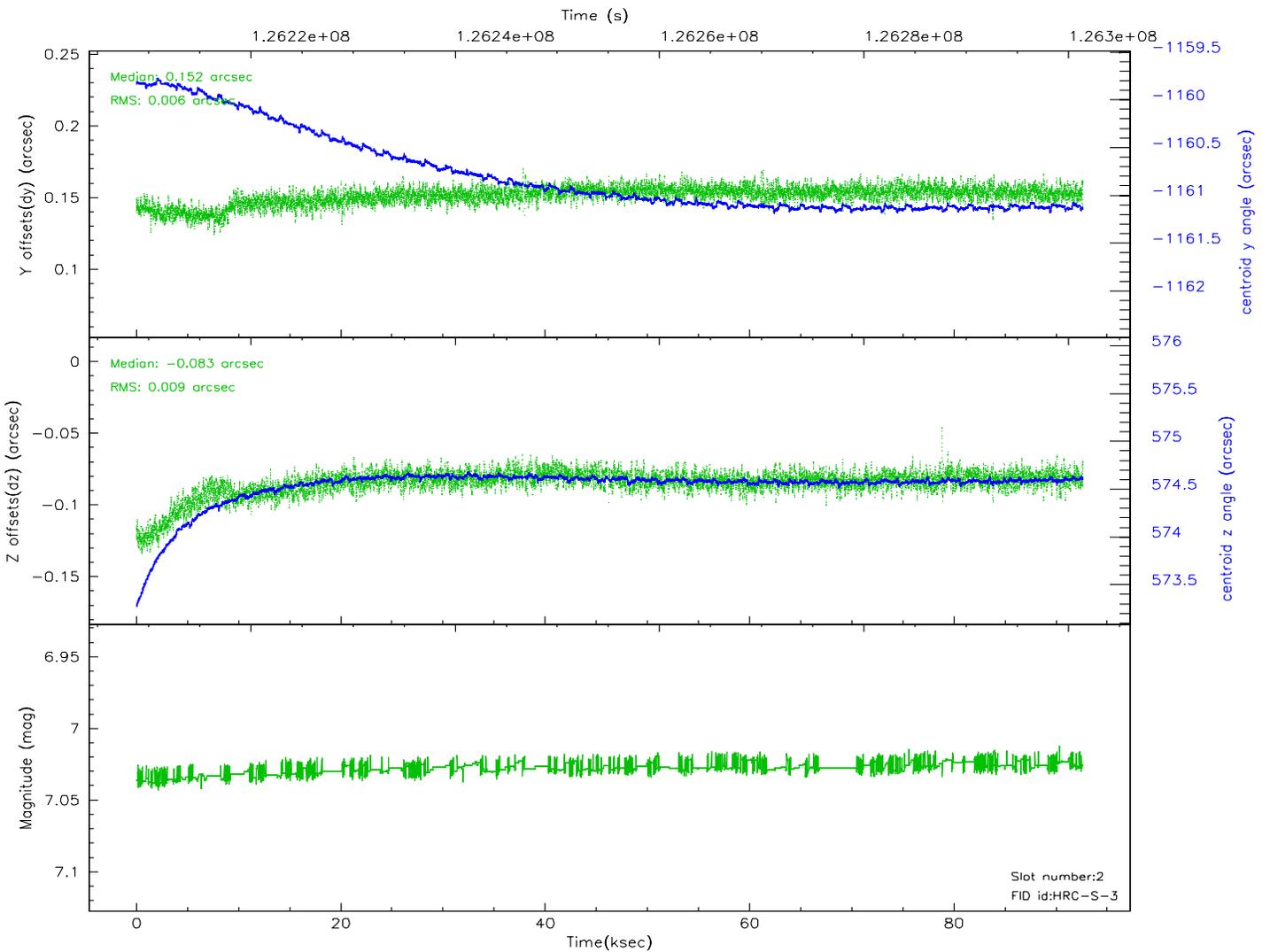
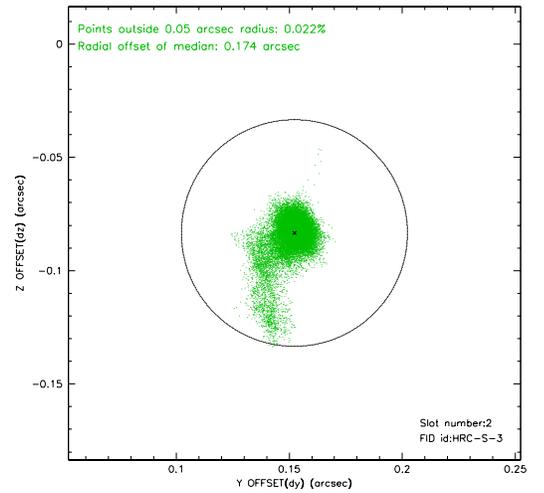
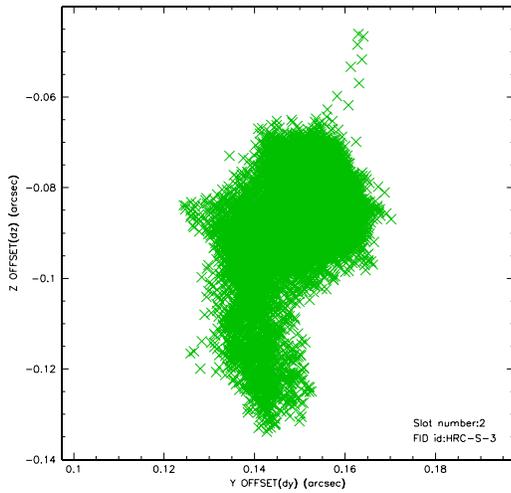
2.5.1 Slot 0



2.5.2 Slot 1

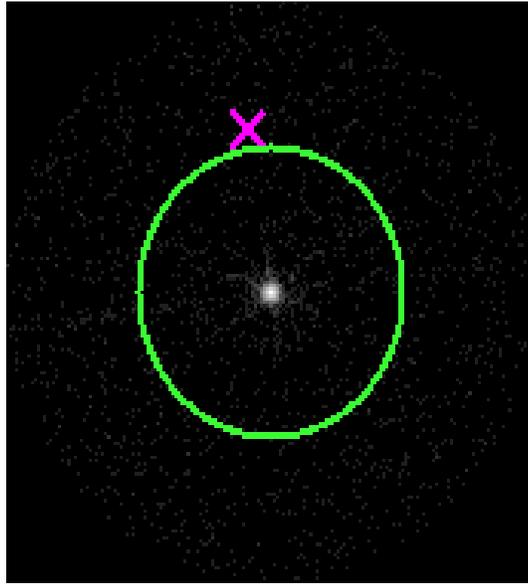


2.5.3 Slot 2



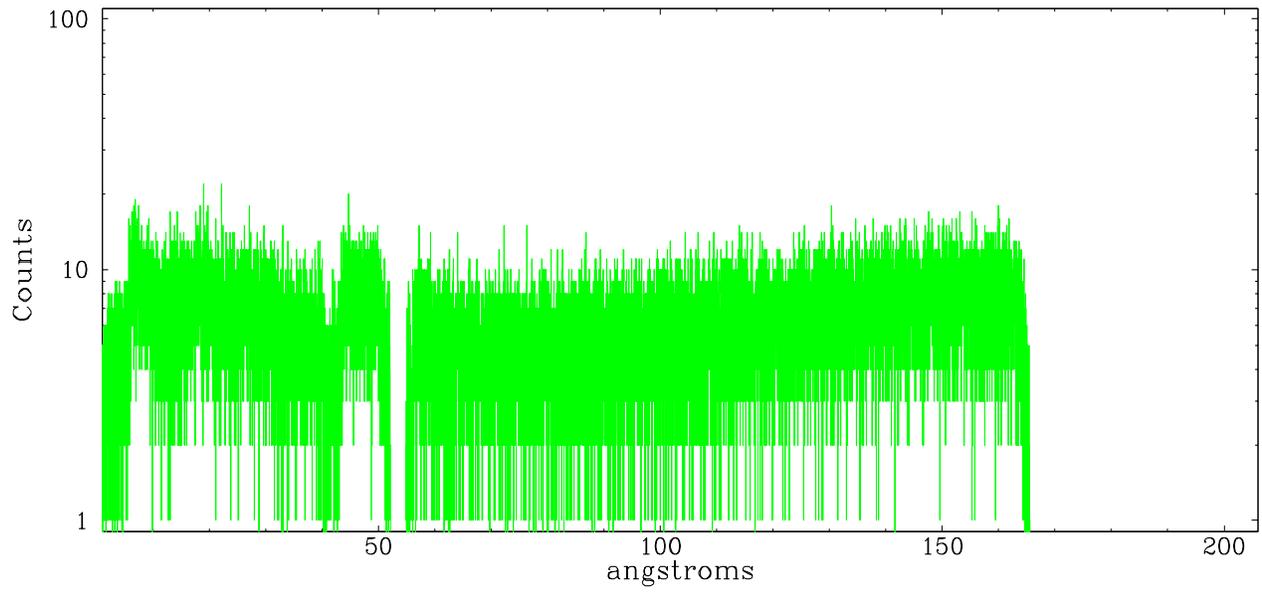
3 Gratings

3.1 LETG Arm

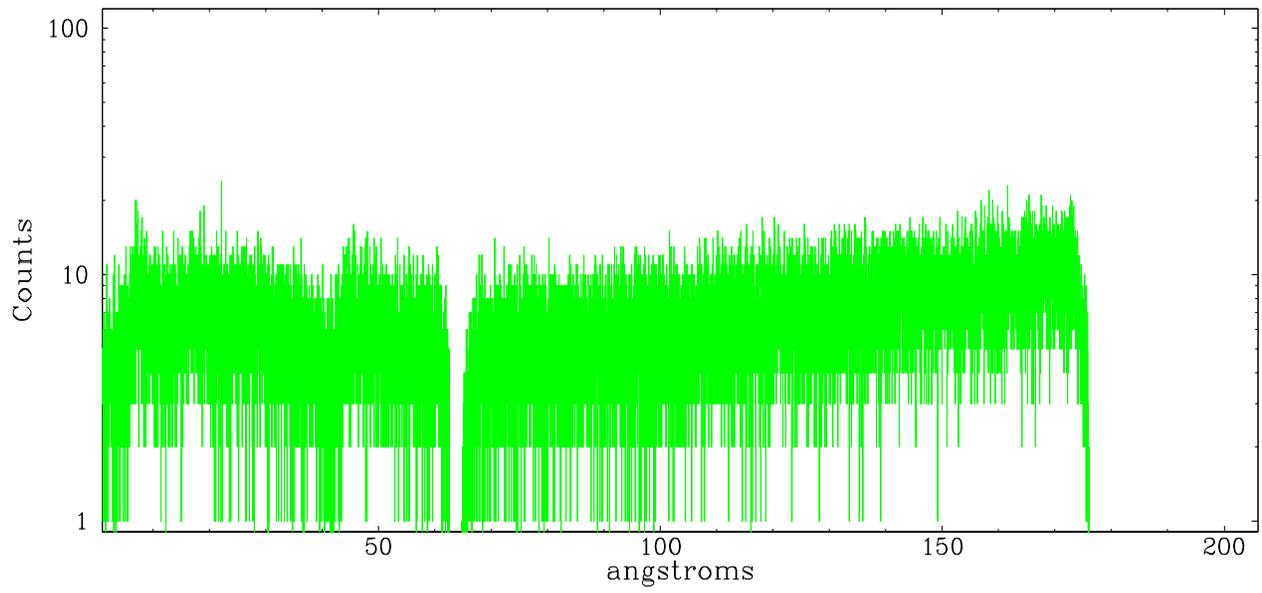


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	92.034

A.2 Comments

Spikes in count rate during most of the observation. These spikes are presumably due to a high radiation environment.