

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1845 - L2 Version 001
Chandra X-Ray Center

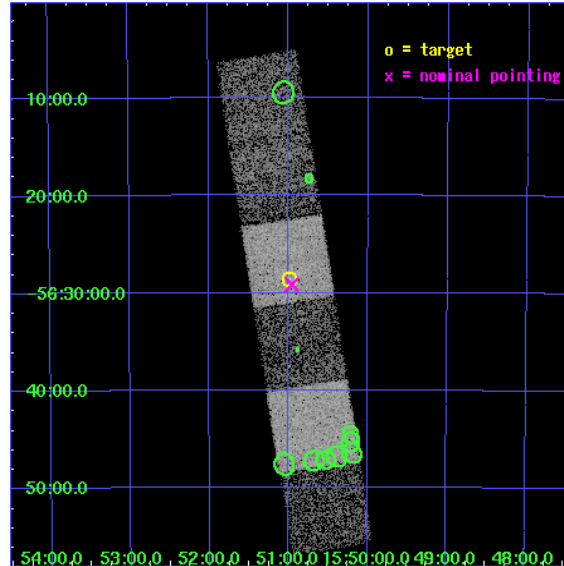
L2 Processing Date : Jun 5 2007

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1 Front

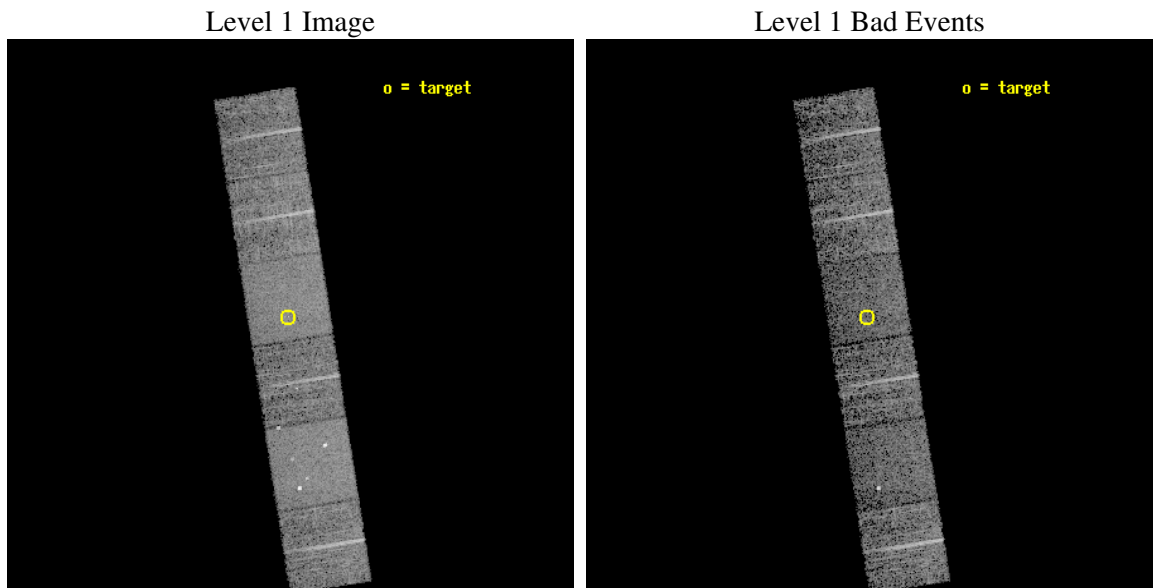
seq_num	400111
obs_id	1845
title	OBSERVATIONS OF A BLACK HOLE CANDIDATE X-RAY TRANSIENT DURING OUTBURST DECAY
observer	Dr. John Tomsick
object	XTE J1550-564
dtcycle	0
cycle	P
ra_targ	237.745
dec_targ	-56.476389
ra_nom	237.73918041974
dec_nom	-56.485797166486
roll_nom	261.06571541015
revision	3
ontime	5164.8000048101
livetime	5099.40019728
ontime4	5164.8000048101
ontime5	5164.8000048101
ontime6	5164.8000048101
ontime7	5164.8000048101
ontime8	5164.8000048101
ontime9	5164.8000048101
l2events	55680



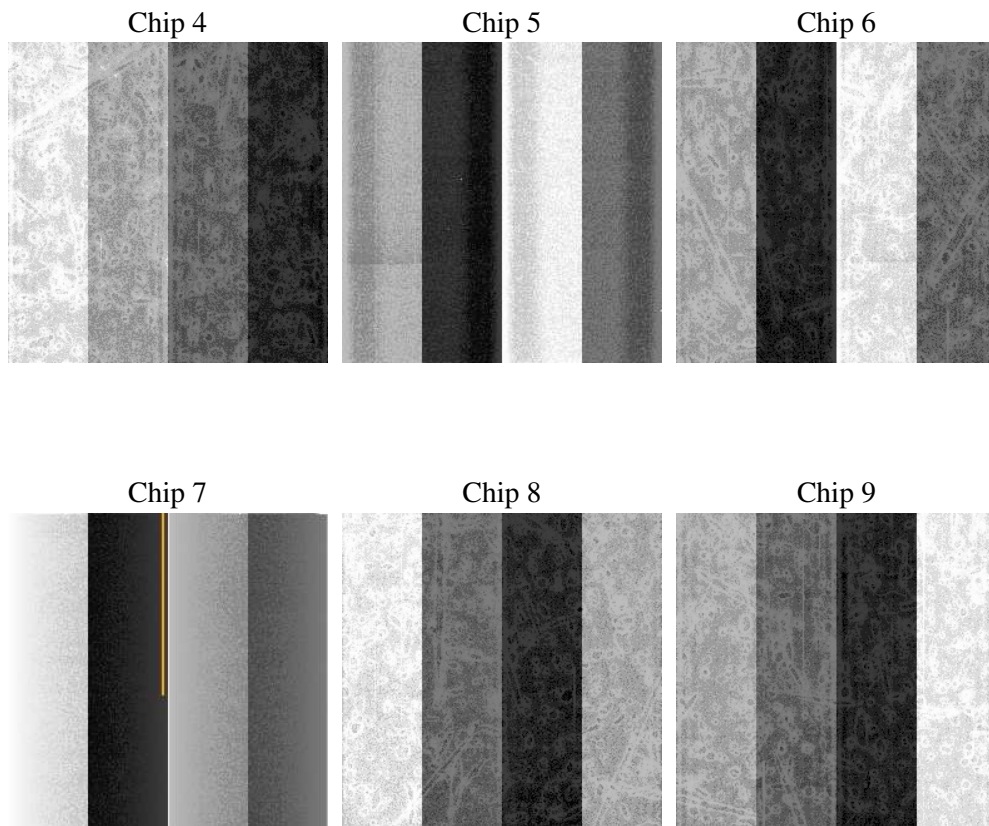
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-05T07:42:13
revision	3

sched_exp_time	5000.000000
ontime	5164.8000048101
ontime4	5164.8000048101
ontime5	5164.8000048101
ontime6	5164.8000048101
ontime7	5164.8000048101
ontime8	5164.8000048101
ontime9	5164.8000048101
l1events	280122

2.1.4 Events

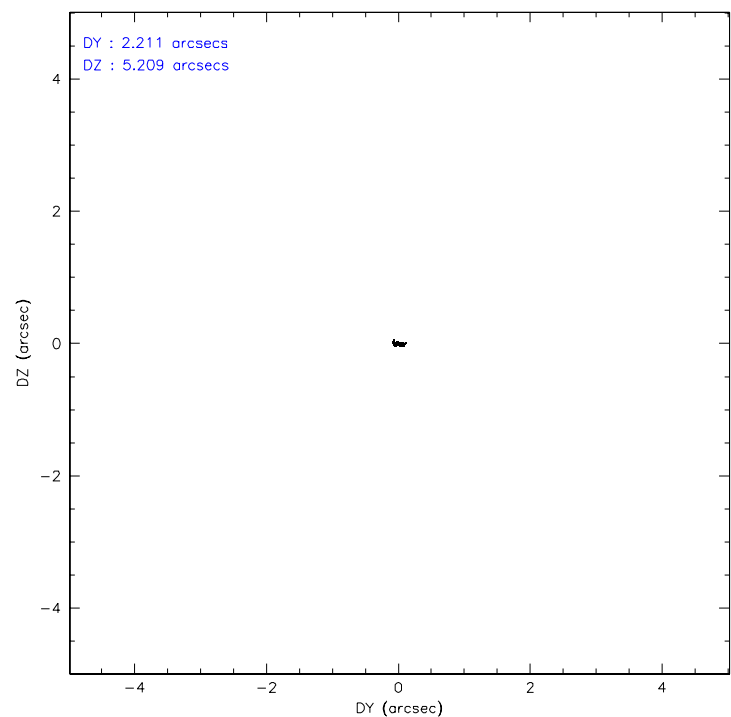
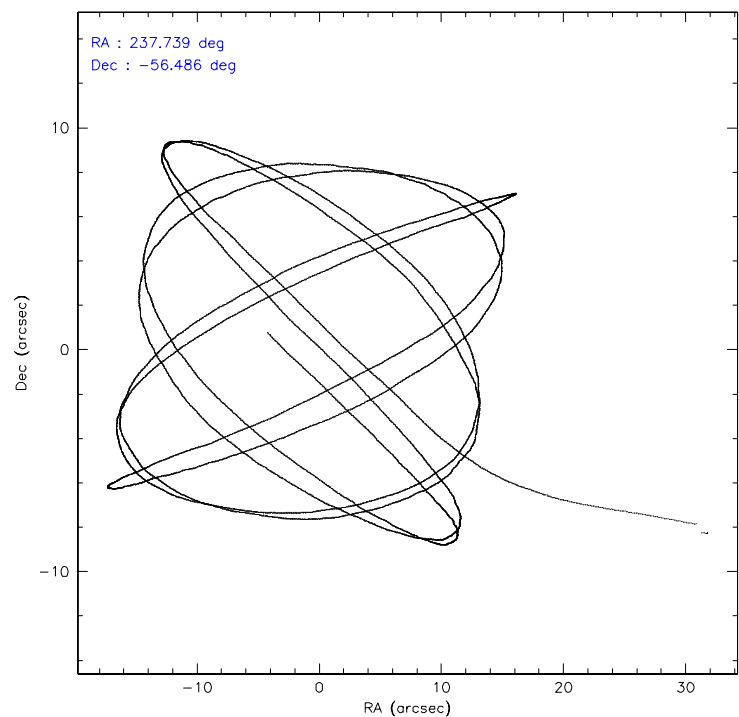
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	42610	60020	38171	54346	47538	37437
rejected events	38602	36727	33900	35088	38262	32365
rejected %	90%	61%	88%	64%	80%	86%

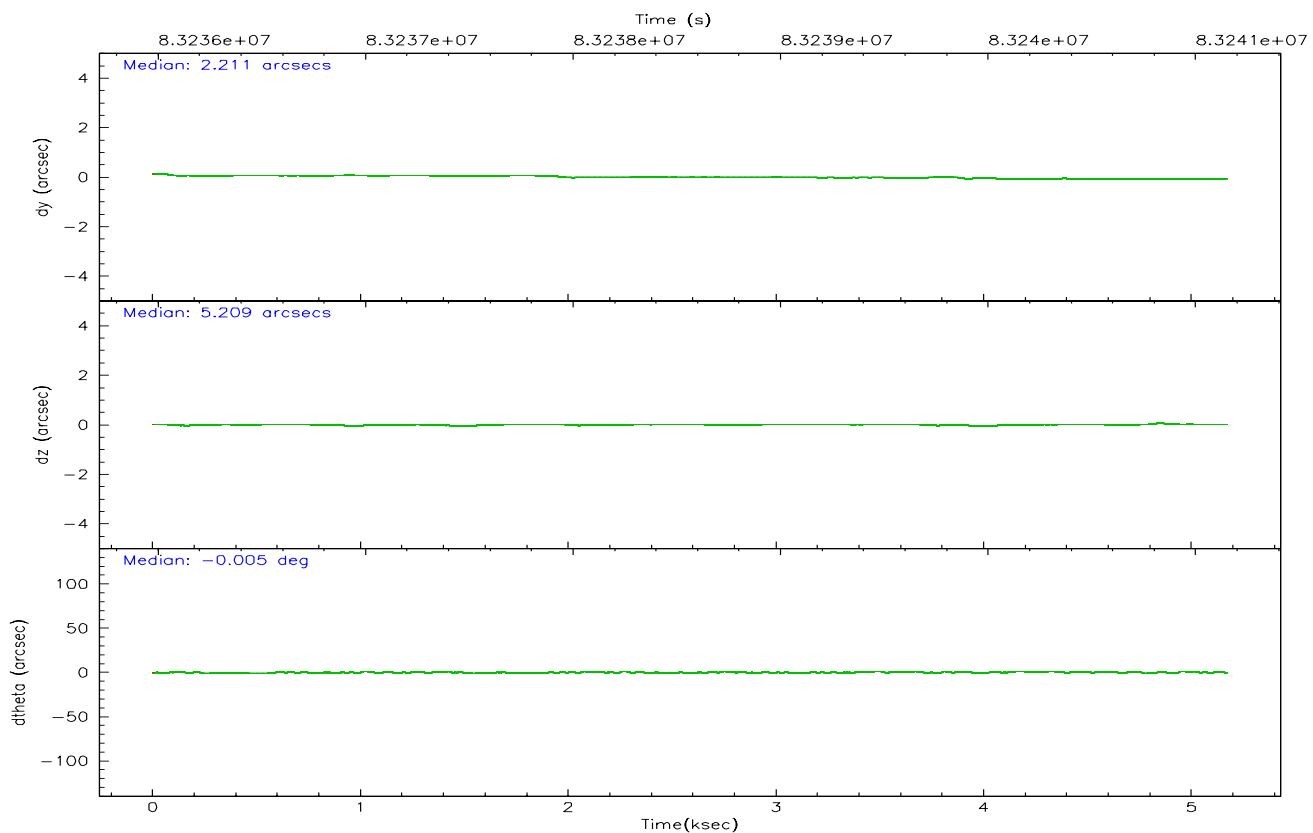
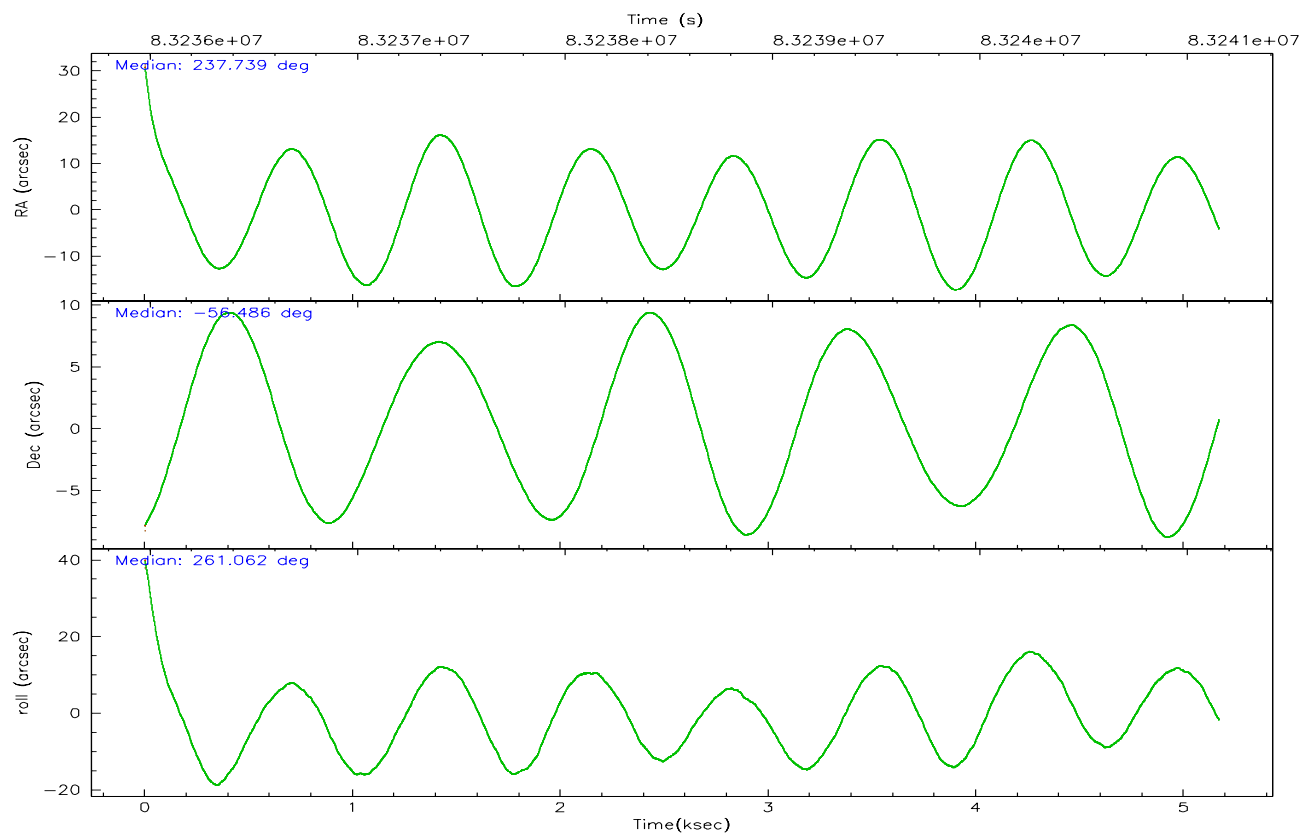
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	2388	5146	2770	3098	4585	3372
	5%	8%	7%	5%	9%	9%
grade 1 events	12	97	11	39	23	17
	0%	0%	0%	0%	0%	0%
grade 2 events	1098	9321	895	5421	2031	986
	2%	15%	2%	9%	4%	2%
grade 3 events	398	1536	425	2561	1094	466
	0%	2%	1%	4%	2%	1%
grade 4 events	387	1446	404	2492	961	416
	0%	2%	1%	4%	2%	1%
grade 5 events	1307	3836	1529	4428	1843	1460
	3%	6%	4%	8%	3%	3%
grade 6 events	718	14705	842	14394	2222	813
	1%	24%	2%	26%	4%	2%
grade 7 events	36302	23933	31295	21913	34779	29907
	85%	39%	81%	40%	73%	79%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
Pointing RA	237.720954	237.7391804197405	CCD I2 on	Y	N
Pointing Dec	-56.460257	-56.48579716648565	CCD I3 on	Y	N
Pointing Roll	260.893856	261.0657154101523	CCD S0 on	N	Y
SIM focus pos (mm)	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
SIM defocus (mm)	0	0.001444936568705701	CCD S2 on	Y	Y
SIM translation stage pos (mm)	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
SIM translation stage offset (mm)	0	0.00754346686406393	CCD S4 on	Y	Y
Observation start time	83236149.184000	83234585.104615	CCD S5 on	N	Y
Observation start date	2000-08-21T09:08:05	2000-08-21T08:43:05	Number of optional ACIS chips dropped	0	0
Observation end time	83241149.184000	83241699.11738101	On-chip summing requested	N	N
Observation end date	2000-08-21T10:31:25	2000-08-21T10:41:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			Primary exposure time	0.000000	3.2

2.3 Aspect



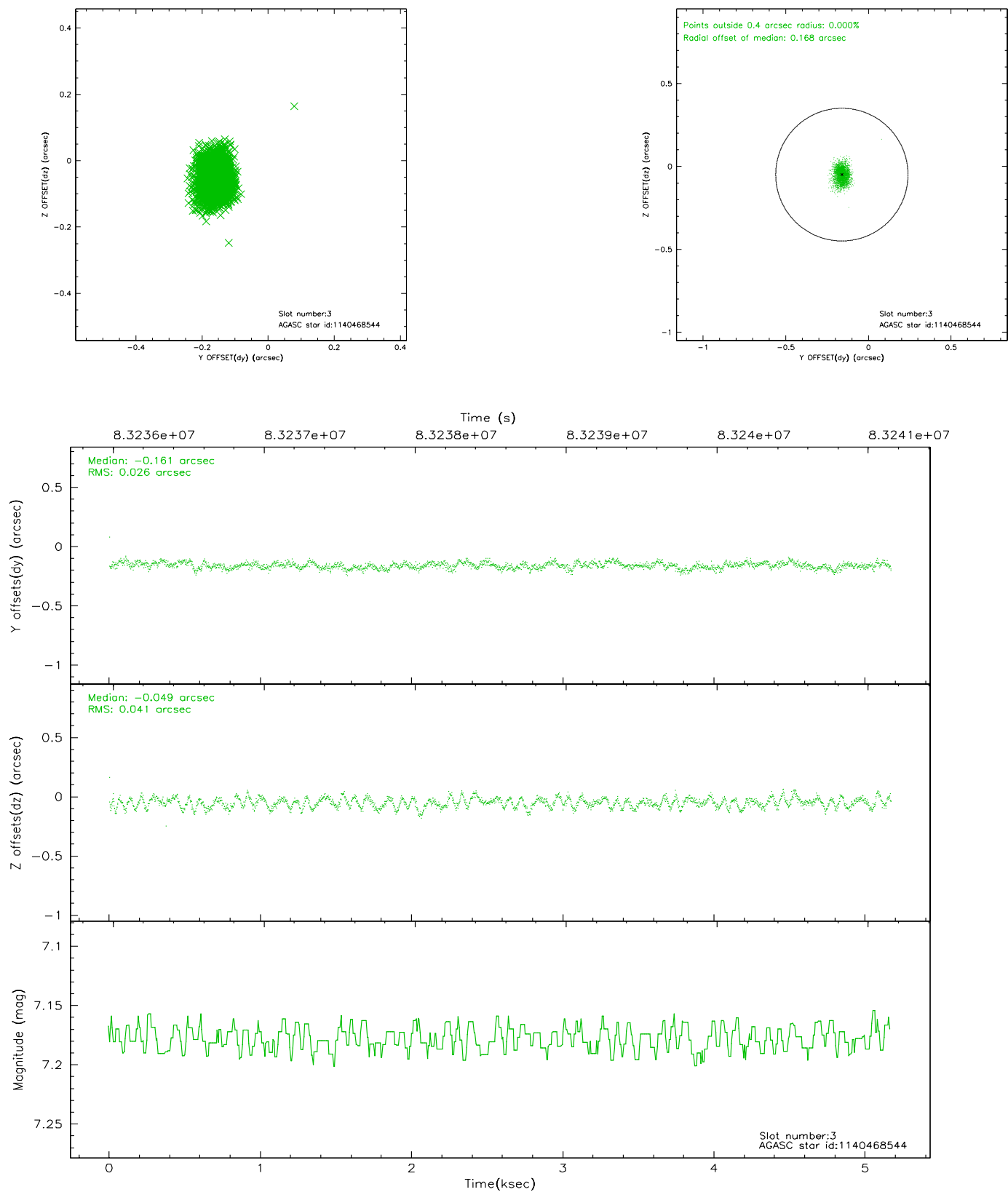


Slot Statistics

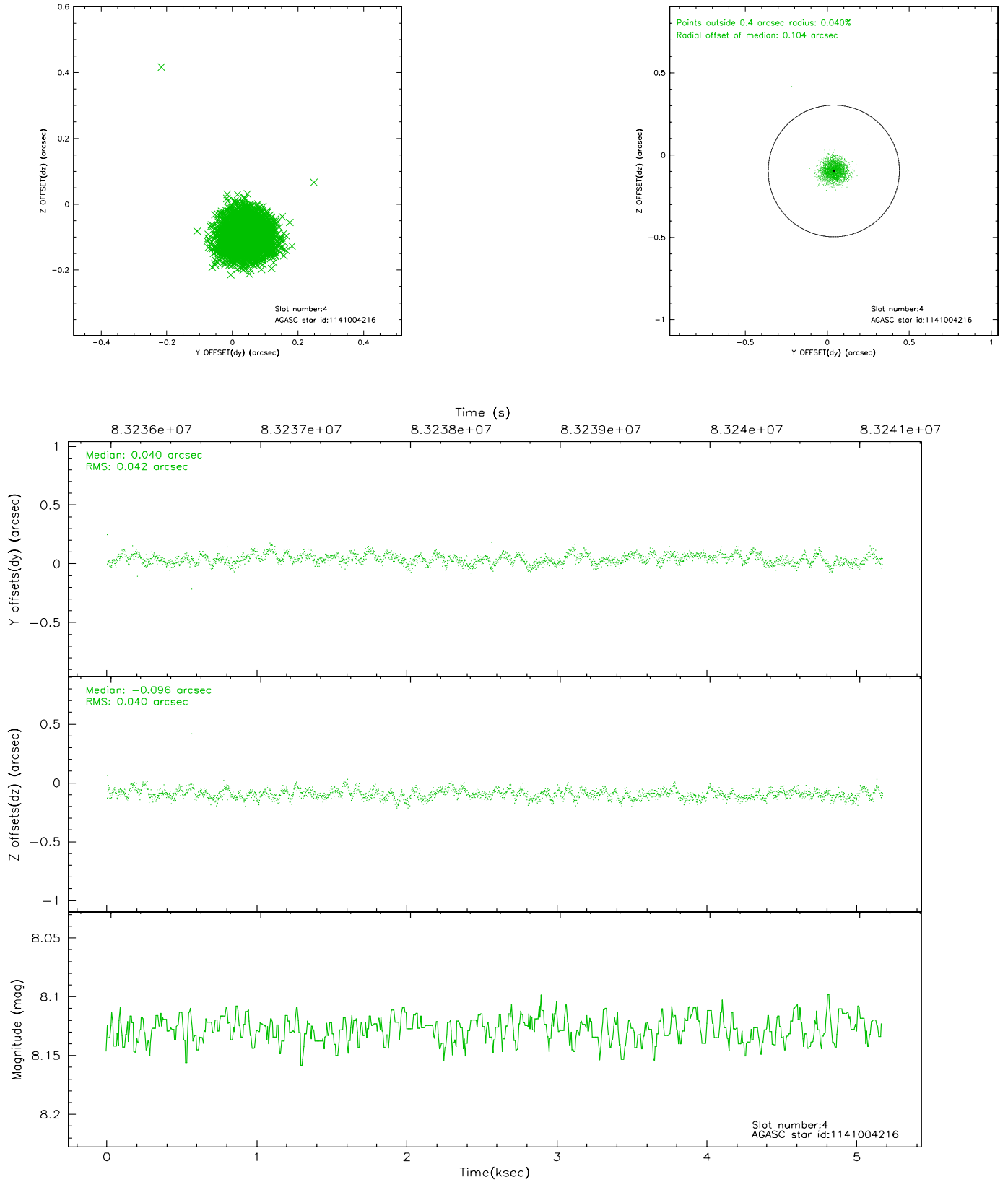
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1262	-0.024	0.024	0.006	0.011	0.000000	0.000000	-754.84	-1726.31
1	FID	ACIS-S-4	7.21	1261	-0.048	0.005	0.005	0.009	0.000000	0.000000	2157.86	180.98
2	FID	ACIS-S-5	7.23	1262	0.041	-0.020	0.006	0.011	0.000000	0.000000	-1806.13	175.91
3	GUIDE	1140468544	7.18	2523	-0.161	-0.049	0.050	0.083	237.524626	-55.920475	-1856.05	-698.28
4	GUIDE	1141004216	8.13	2522	0.040	-0.096	0.061	0.097	237.245988	-56.471011	189.86	-925.87
5	GUIDE	1141008368	9.63	2523	-0.015	-0.006	0.082	0.133	237.932994	-56.629432	535.13	511.14
6	GUIDE	1141004616	9.66	2521	0.101	0.110	0.094	0.162	238.066818	-56.808784	1132.54	872.66
7	GUIDE	1140998992	9.51	2522	0.031	0.047	0.084	0.137	238.012836	-56.351628	-477.04	513.96

2.4 Star Slots

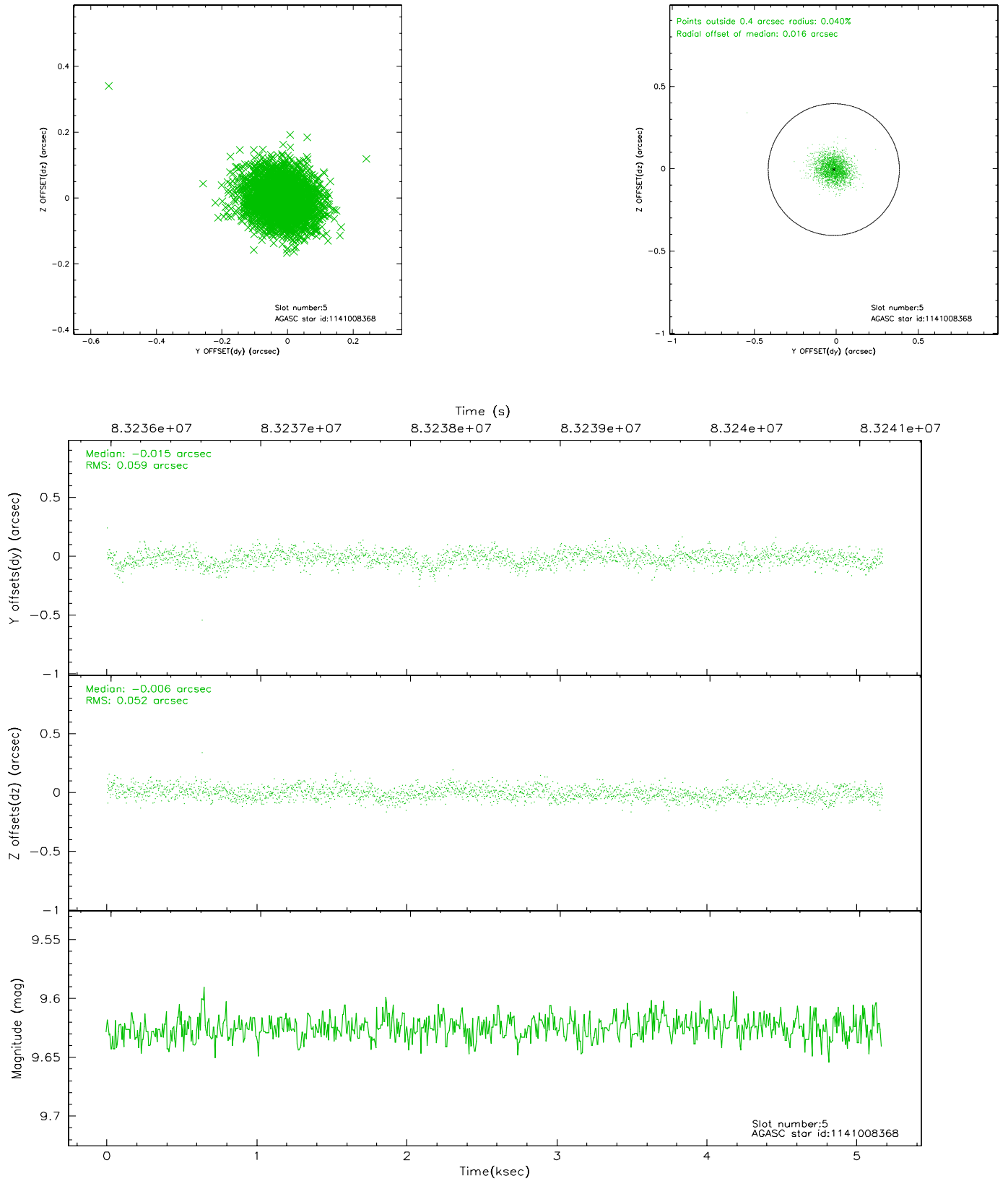
2.4.1 Slot 3



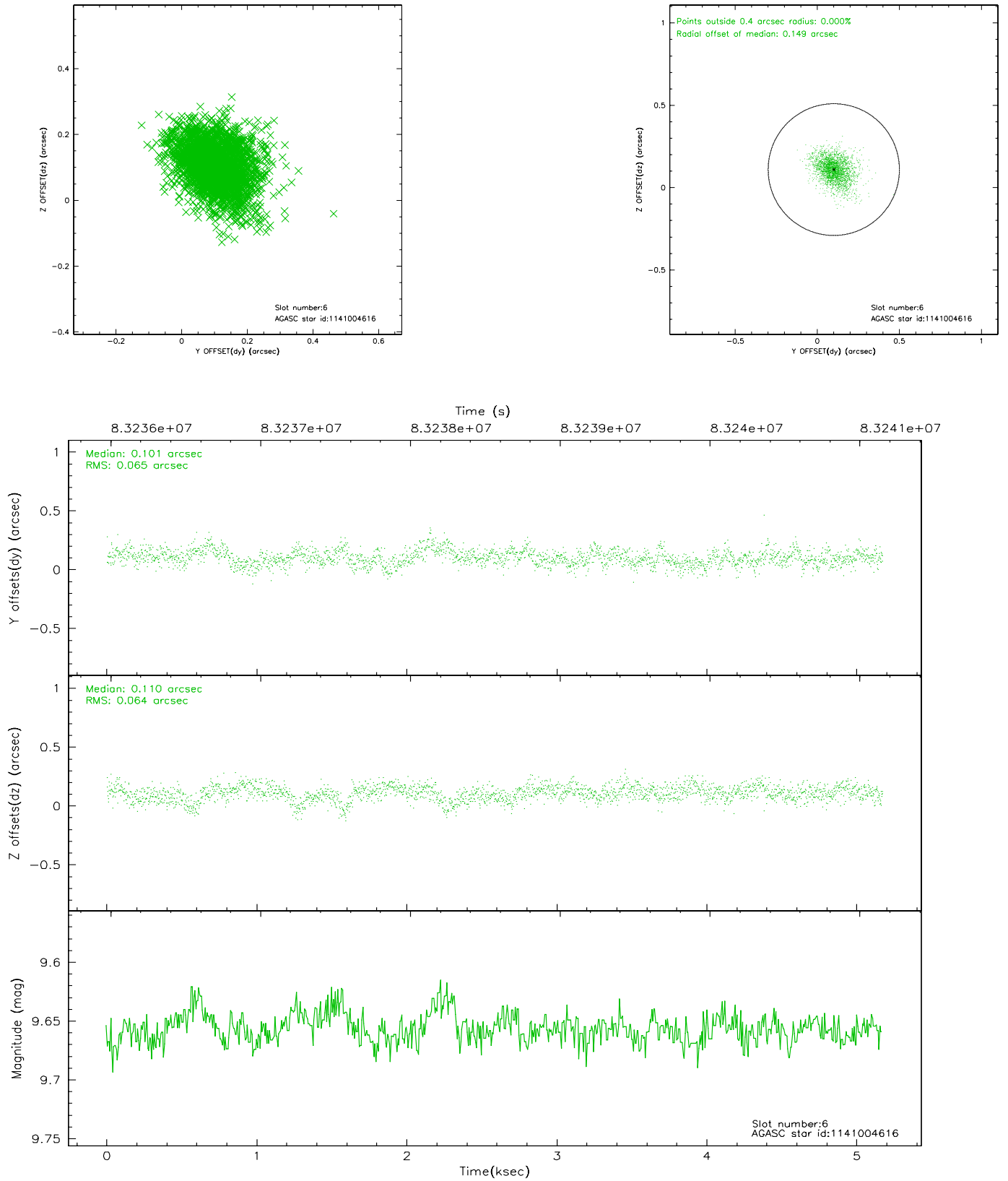
2.4.2 Slot 4



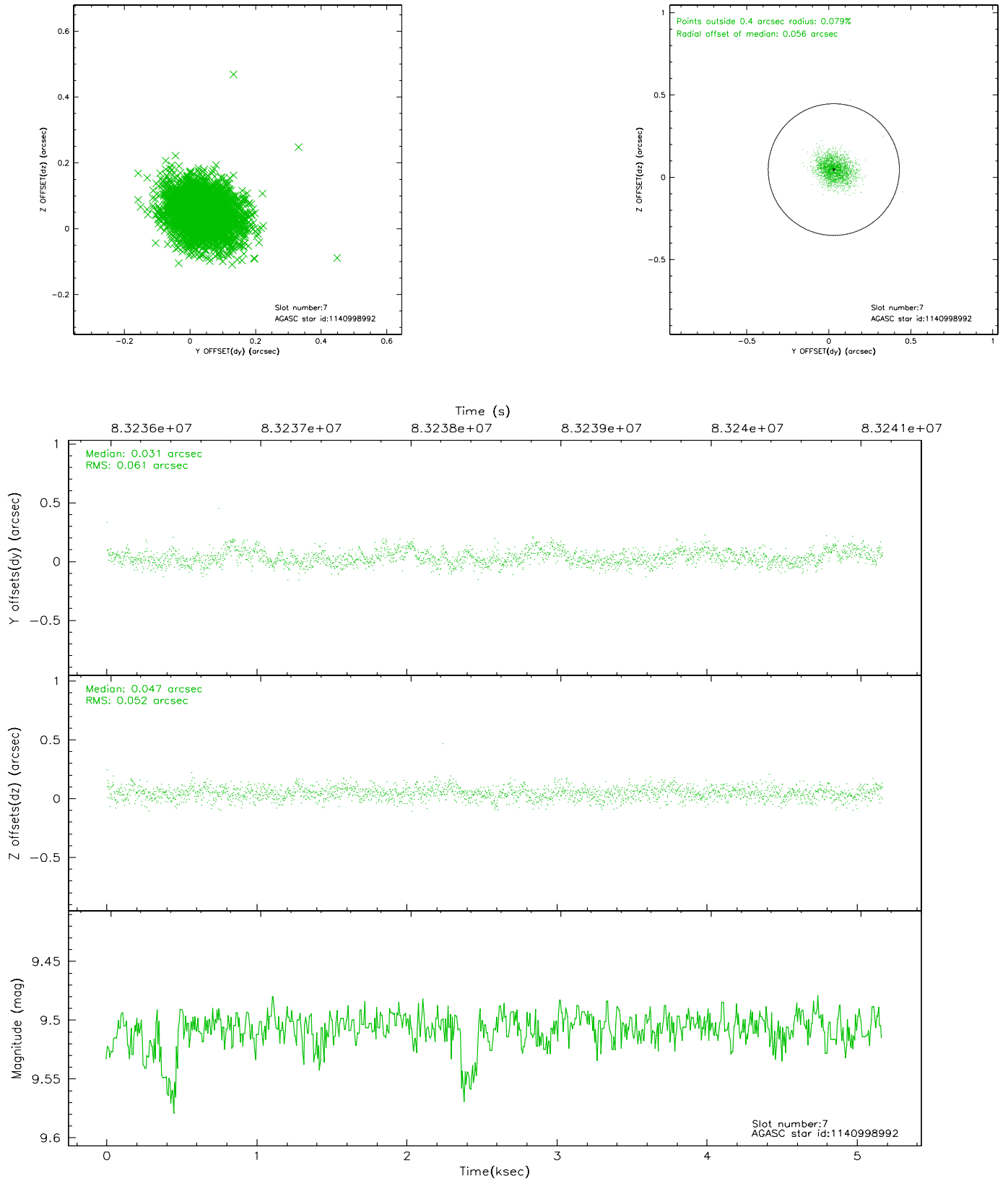
2.4.3 Slot 5



2.4.4 Slot 6

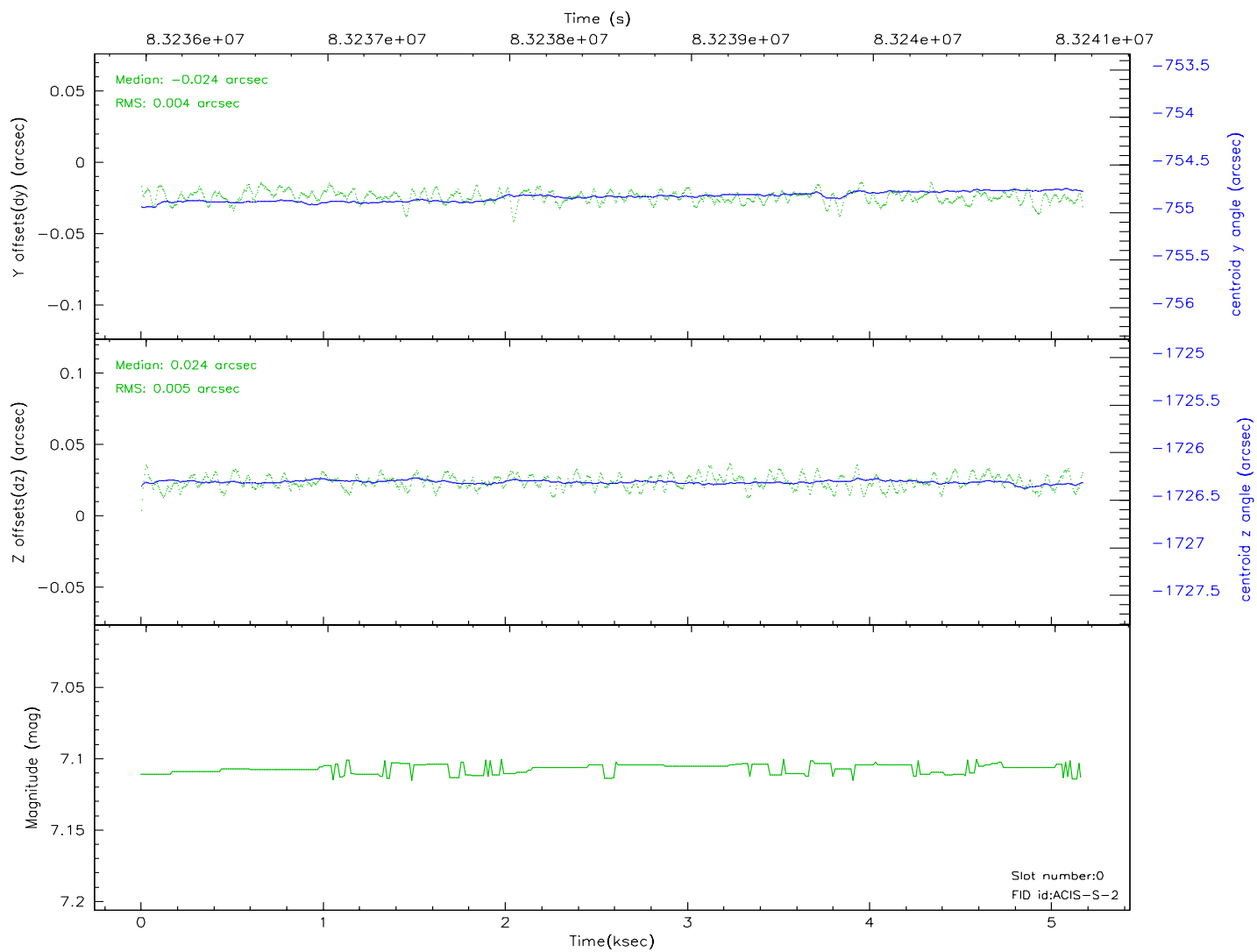
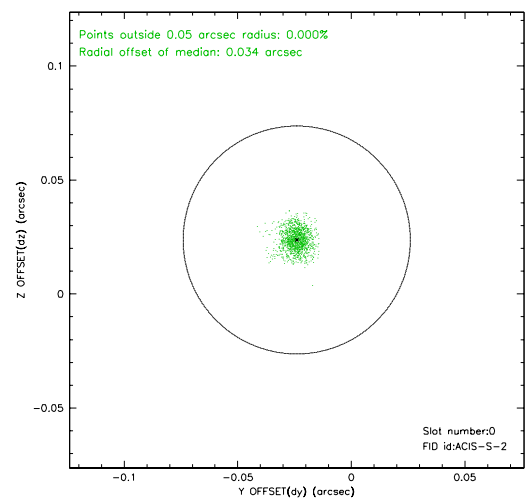
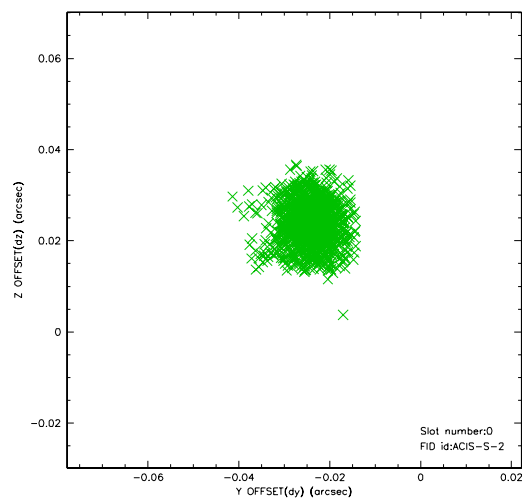


2.4.5 Slot 7

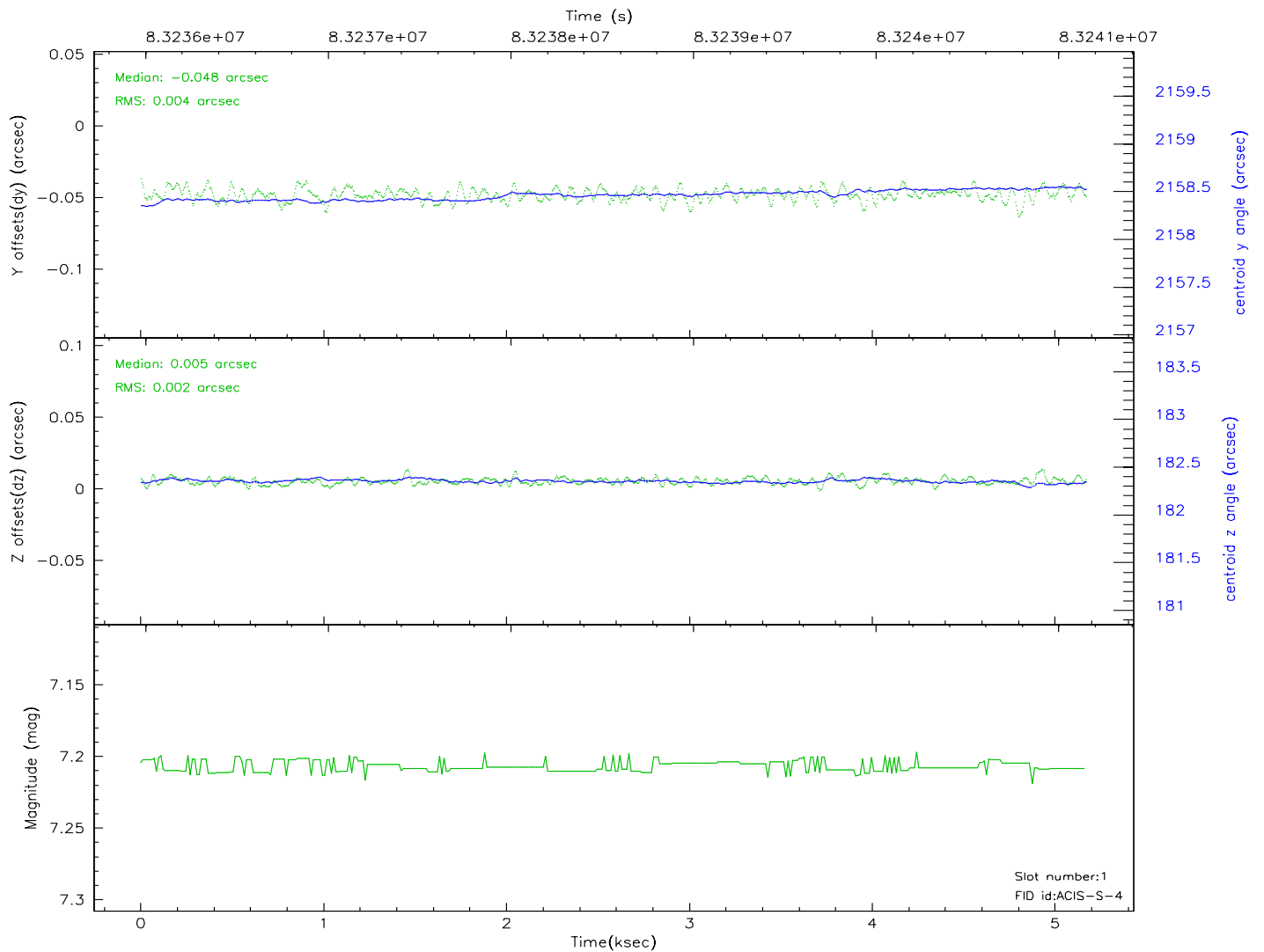
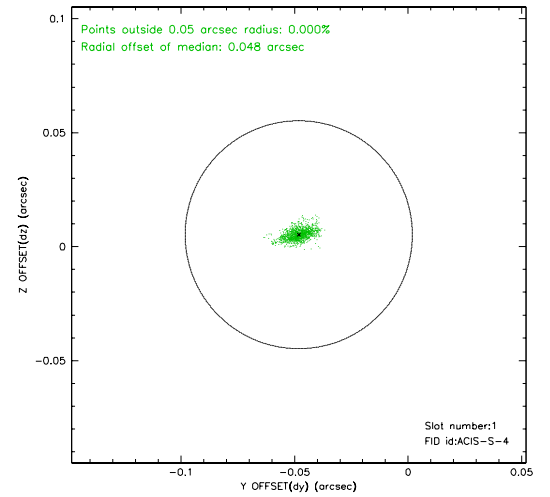
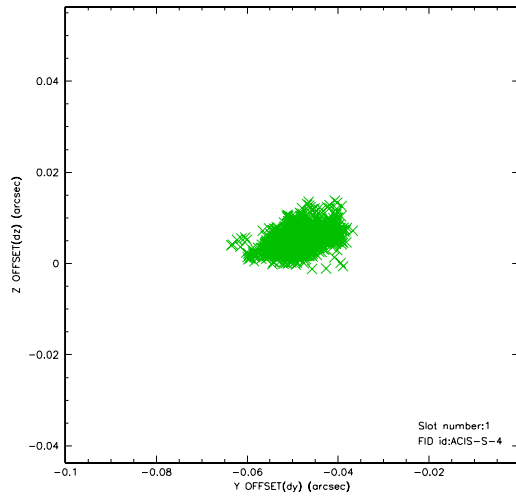


2.5 FID Slots

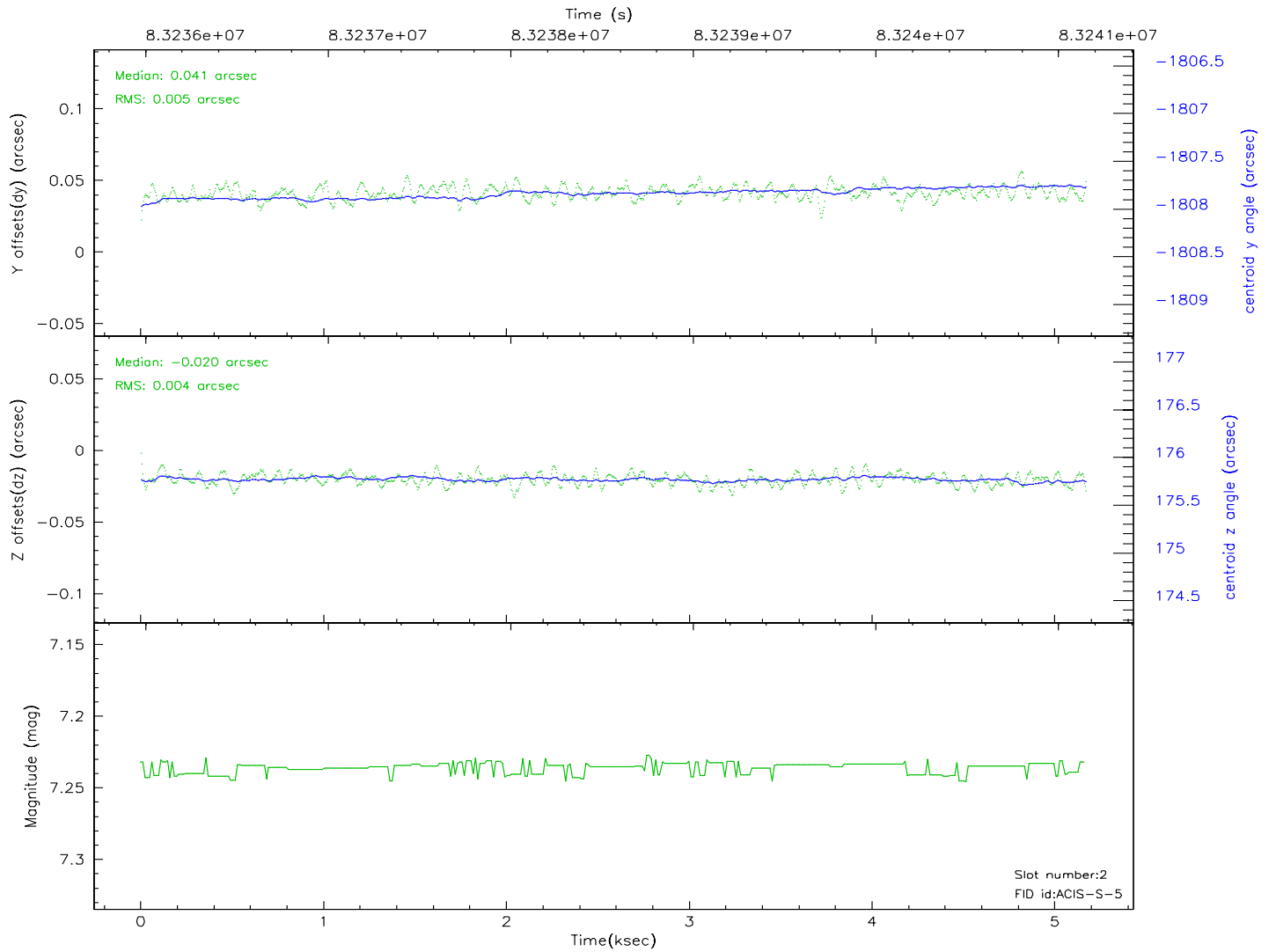
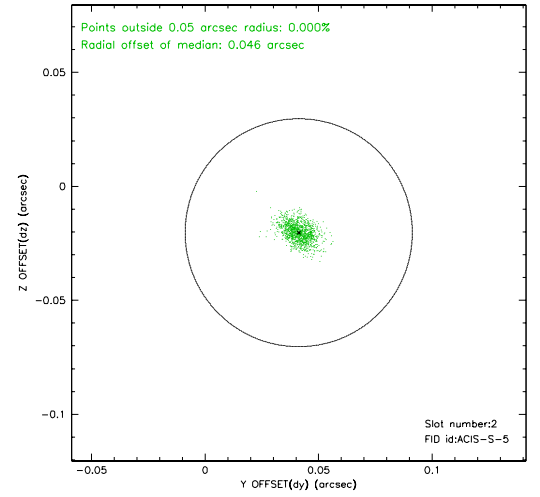
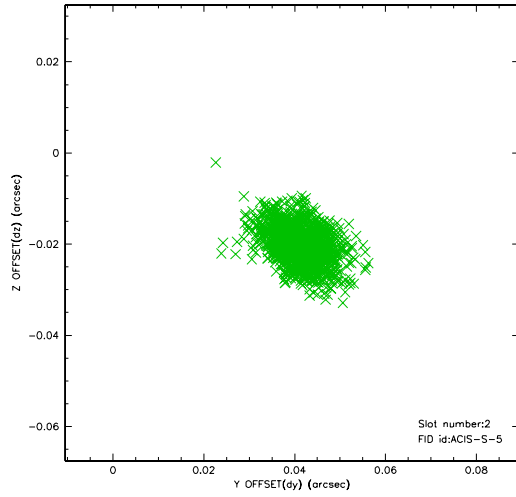
2.5.1 Slot 0



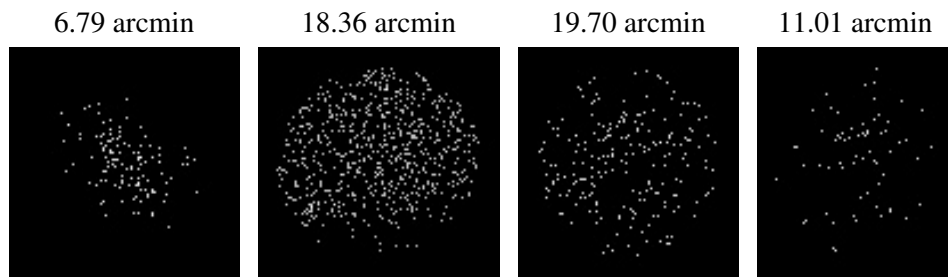
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.164

A.2 Comments

From the original V&V report:

```
>>>>> Window constraint not met:
>>>>> Observation occurred about 16.5 hours after the end of the
>>>>> specified observation window.
>>>>> Requested Temporal Window:
>>>>> Start: Jul 22 2000 12:00AM Stop: Aug 20 2000 12:00AM
>>>>> Actual observation start:
>>>>> DATE-OBS= '2000-08-21T08:43:05' / Date and time of observation
start
>>>>> Predicted and actual detname do not match:
>>>>> predicted = ACIS-235678; actual = ACIS-456789

>>>>> CDO has reviewed obsid 1845 and find that it satisfies the
science
>>>>> requirements. Purpose was to observe the transient XTE J1550-564

>>>>> during decay to quiescence. Observing a day after the stated
>>>>> window closing is OK.
>>>>> So, no need to reobserve. OK to release data to PI. -- FDS,
9/27/2000
```