

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 5765 - L2 Version 002  
Chandra X-Ray Center

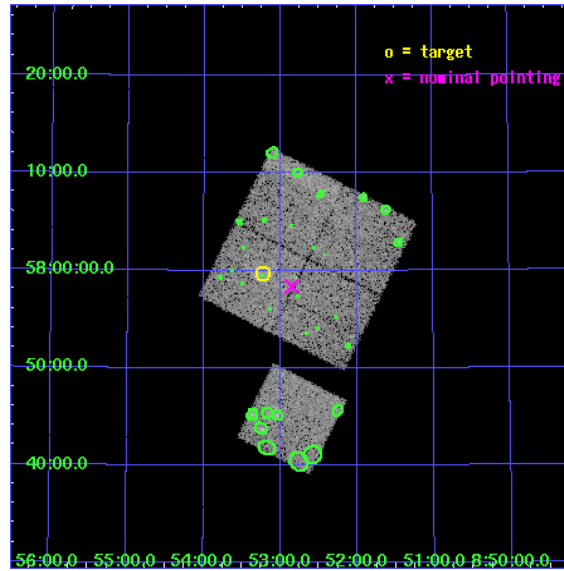
L2 Processing Date: Feb 23 2006

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# 1 Front

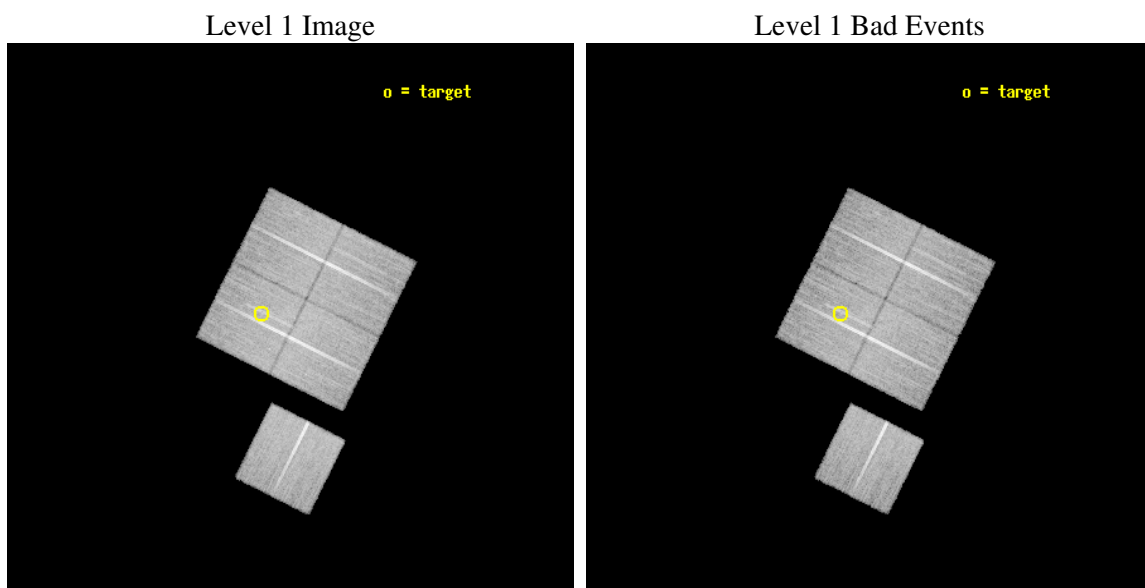
seq_num	800478
obs_id	5765
title	DARK ENERGY WITH X-RAY CLUSTERS: CHANDRA OBSERVATIONS OF 41 HIGH-REDSHIFT CLUSTERS FROM THE 400 deg^2 ROSAT PSPC SURVEY
observer	Dr Alexey Vikhlinin
object	cl0853+5759
dtcycle	0
cycle	P
ra_targ	133.305833
dec_targ	57.995556
ra_nom	133.21254144799
dec_nom	57.97311386656
roll_nom	206.54698264212
revision	2
ontime	24914.618001491
livetime	24589.090175426
ontime0	24920.899952084
ontime1	24920.899952084
ontime2	24914.617971569
ontime3	24914.618001491
ontime6	24914.617991596
l2events	64305



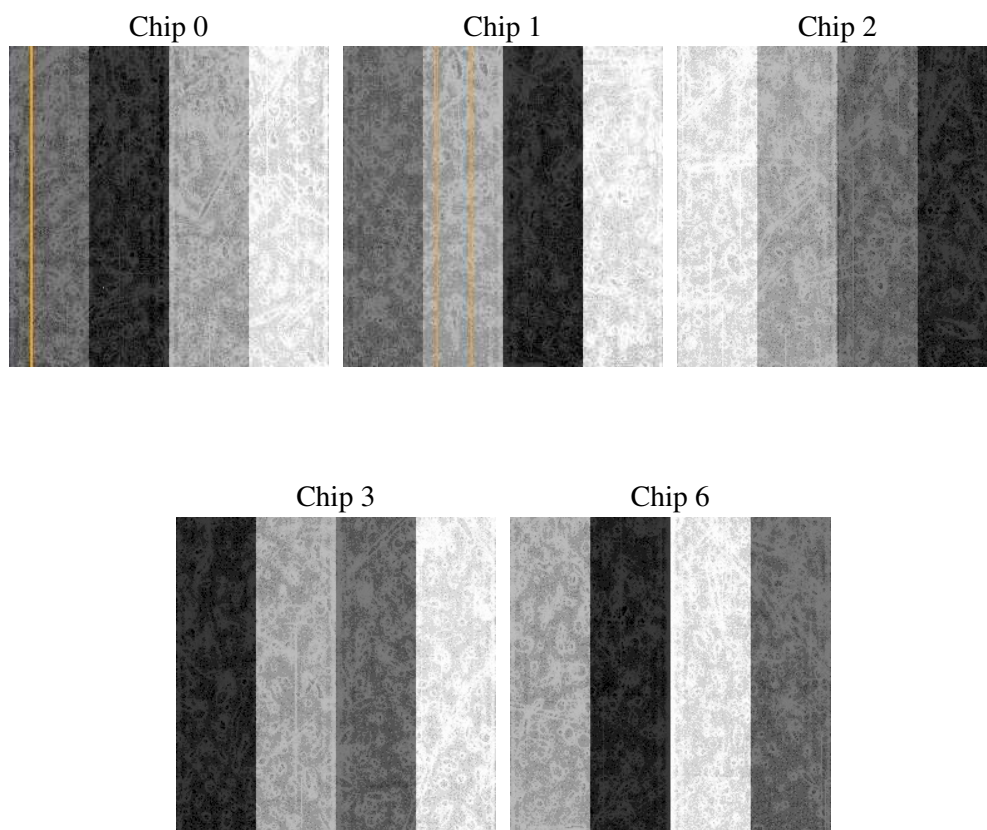
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-23T22:11:08
revision	2

sched_exp_time	25145.658000
ontime	24920.801607519
ontime0	24927.083558112
ontime1	24927.083558112
ontime2	24920.801577598
ontime3	24920.801607519
ontime6	24920.801607549
l1events	727601

### 2.1.4 Events

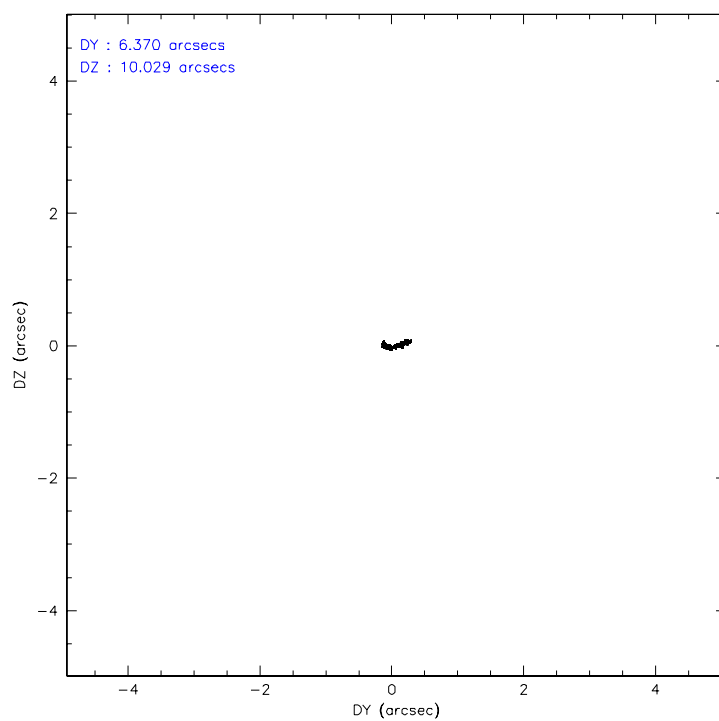
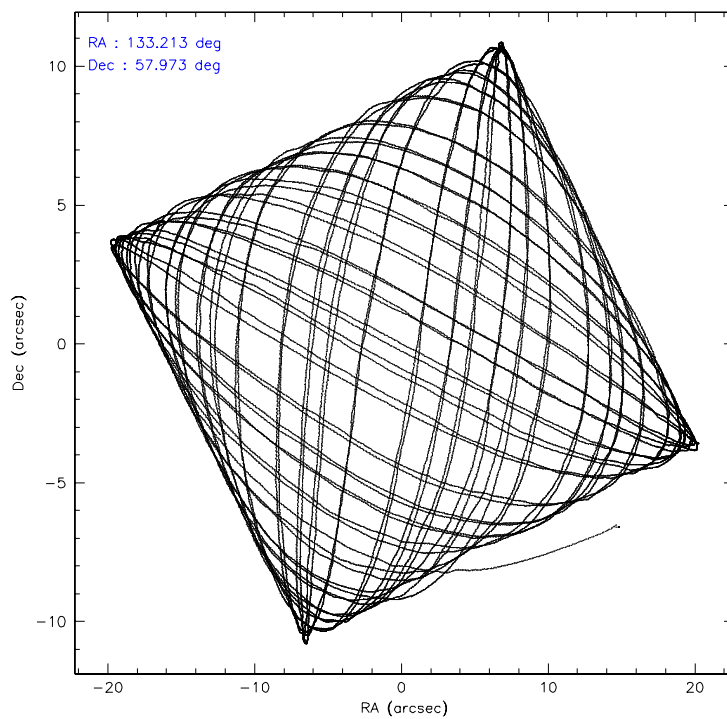
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	138059	139019	153249	148390	148884
rejected events	123099	122251	138395	133345	133149
rejected %	89%	87%	90%	89%	89%

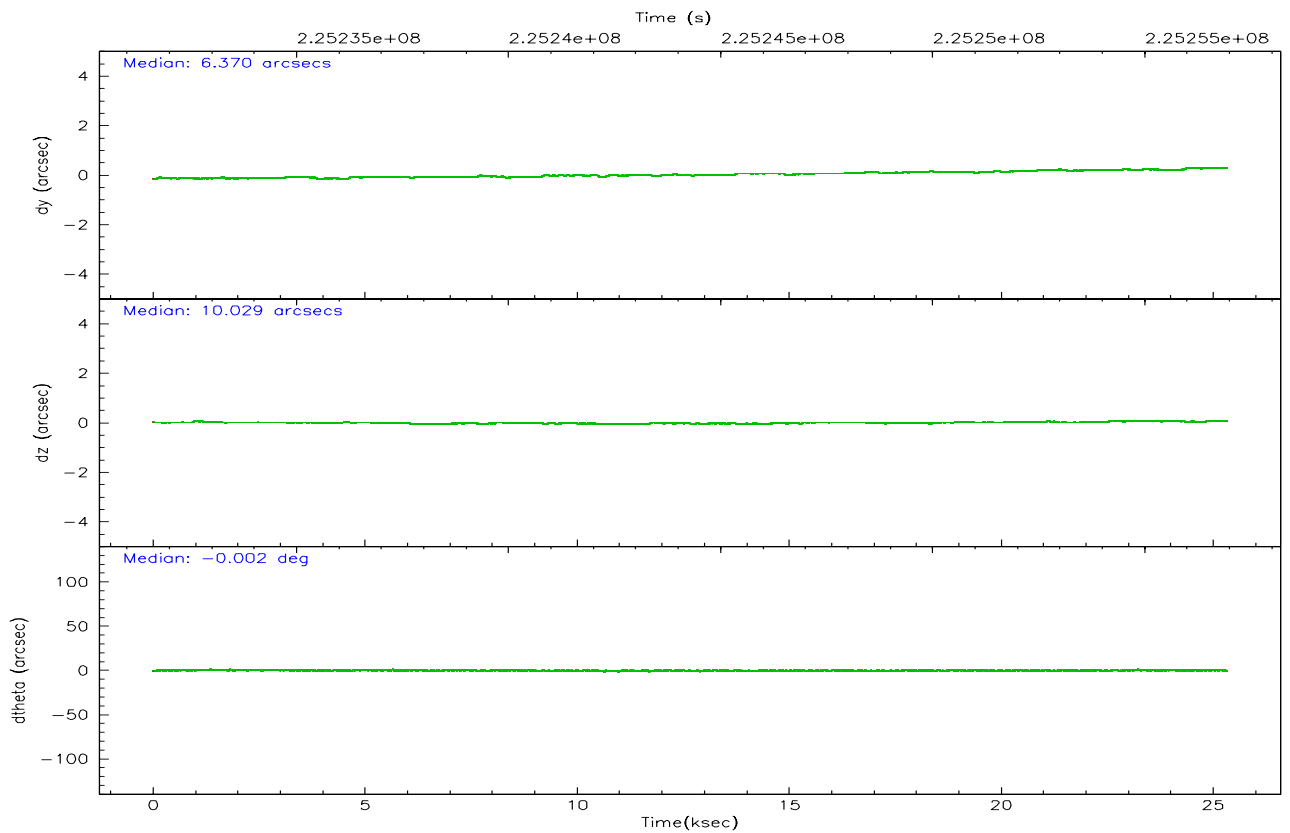
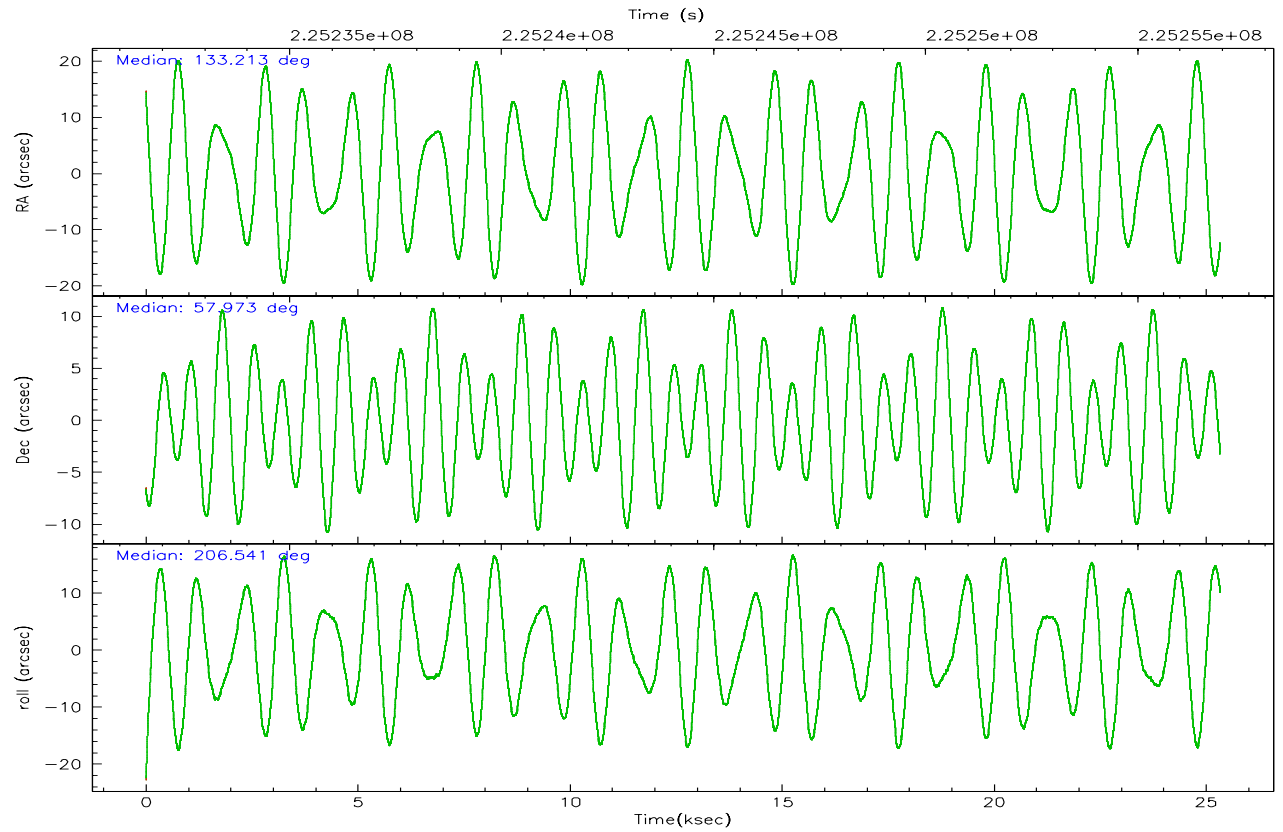
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5283	6103	5463	5730	5762
	3%	4%	3%	3%	3%
grade 1 events	75	68	76	92	65
	0%	0%	0%	0%	0%
grade 2 events	3568	3671	3391	3107	3268
	2%	2%	2%	2%	2%
grade 3 events	1697	1816	1603	1706	1714
	1%	1%	1%	1%	1%
grade 4 events	1632	1795	1672	1644	1707
	1%	1%	1%	1%	1%
grade 5 events	5201	5567	5034	5874	5892
	3%	4%	3%	3%	3%
grade 6 events	2784	3384	2727	2860	3285
	2%	2%	1%	1%	2%
grade 7 events	117819	116615	133283	127377	127191
	85%	83%	86%	85%	85%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	133.240866	133.2125414479946	Alternating exposures requested	N	N
Pointing Dec	57.996035	57.97311386656038	Primary exposure time	0.000000	3.1
Pointing Roll	206.314279	206.5469826421187			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.848371962627			
SIM translation stage offset (mm)	-7.752	-7.744081040302689			
Observation start time	225231803.184000	225231152.26899			
Observation start date	2005-02-19T20:22:19	2005-02-19T20:12:32			
Observation end time	225256949.184000	225257170.35767			
Observation end date	2005-02-20T03:21:25	2005-02-20T03:26:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect





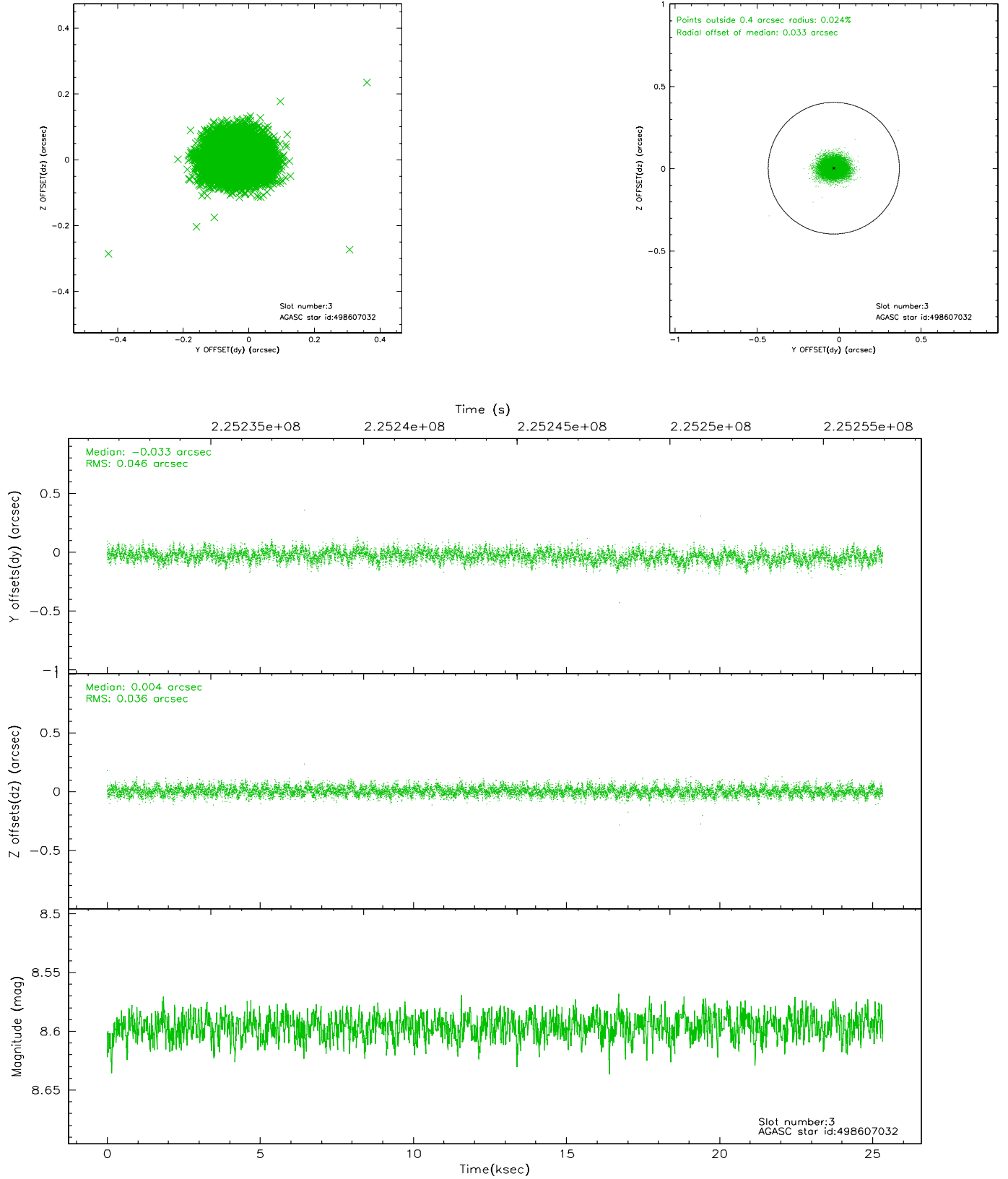
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	6180	0.078	-0.070	0.011	0.018	0.000000	0.000000	933.23	-992.55
1	FID	ACIS-I-5	7.22	6180	-0.204	0.077	0.015	0.023	0.000000	0.000000	-1815.09	905.00
2	FID	ACIS-I-6	7.26	6179	0.032	0.063	0.011	0.016	0.000000	0.000000	398.60	1549.63
3	GUIDE	498607032	8.60	12354	-0.033	0.004	0.062	0.101	132.440614	57.644577	1938.92	443.11
4	GUIDE	498607272	8.58	12355	0.054	0.061	0.064	0.102	132.975623	58.126700	243.37	-645.62
5	GUIDE	498611040	8.22	12359	-0.119	0.114	0.065	0.104	133.169312	58.672803	-959.82	-2243.08
6	GUIDE	499519688	7.26	12360	0.011	-0.221	0.065	0.113	134.354711	58.218797	-2256.19	201.37
7	GUIDE	499136048	8.84	12354	0.085	0.047	0.093	0.146	133.767198	57.426937	-8.22	2285.49

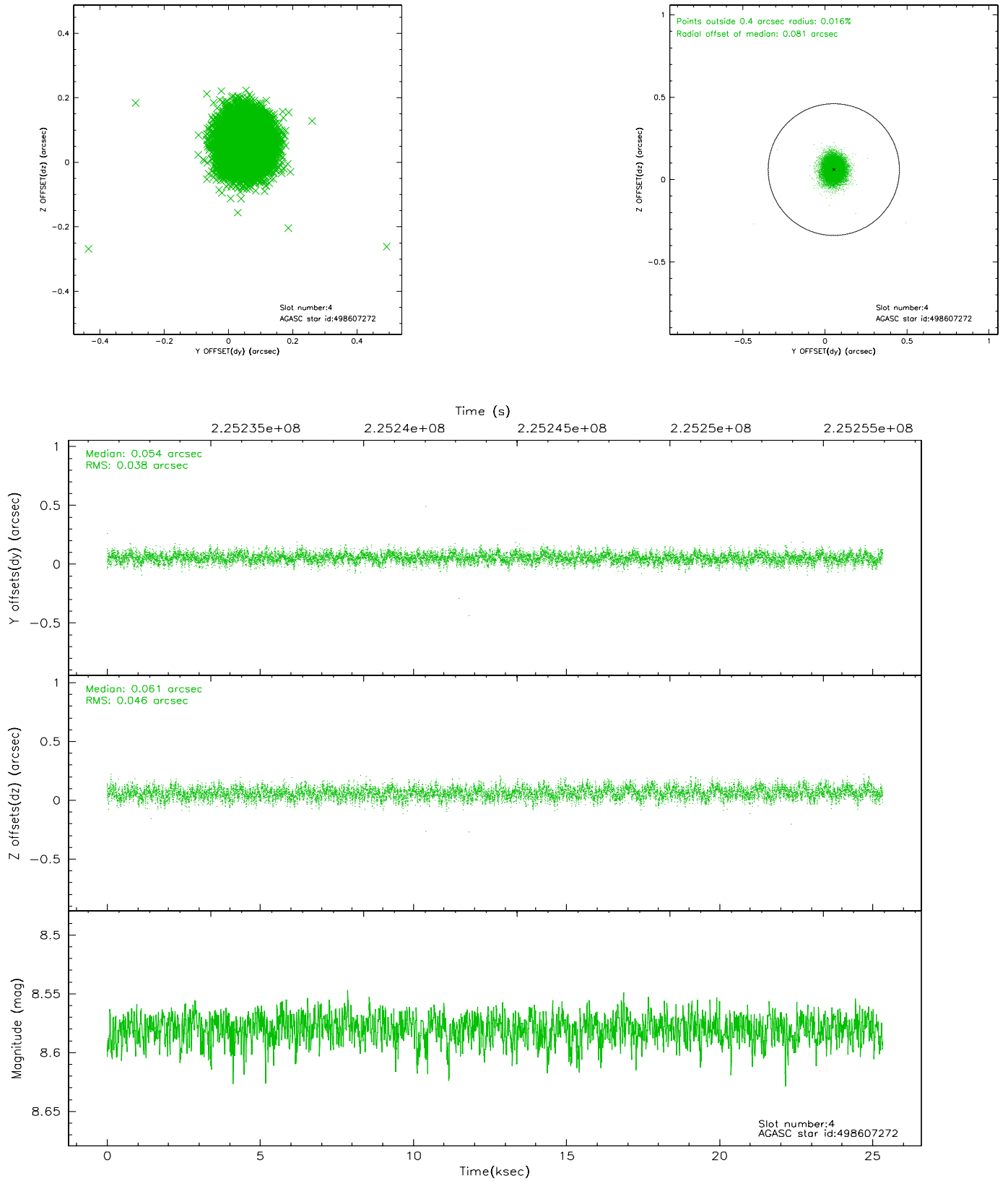


## 2.4 Star Slots

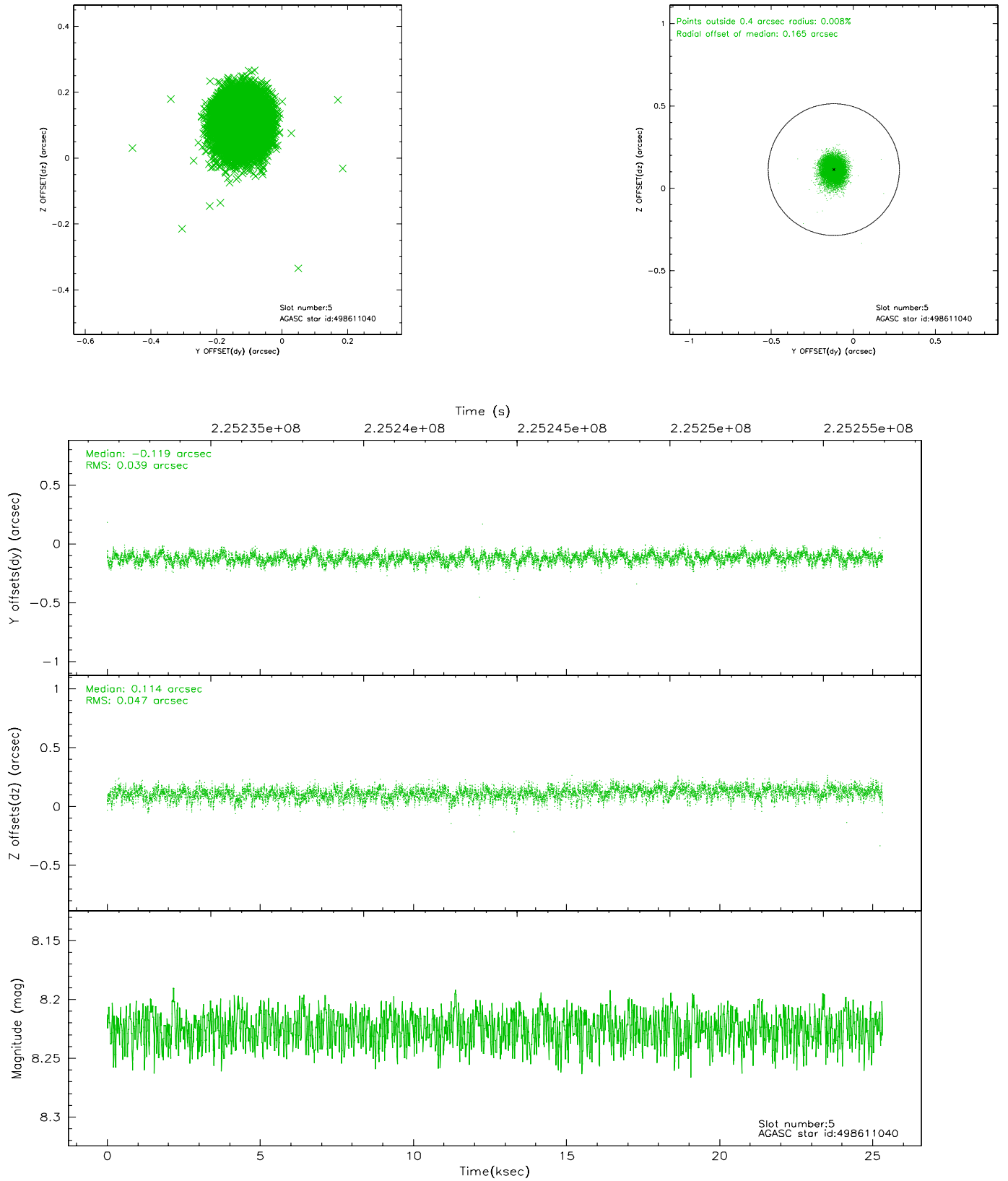
### 2.4.1 Slot 3



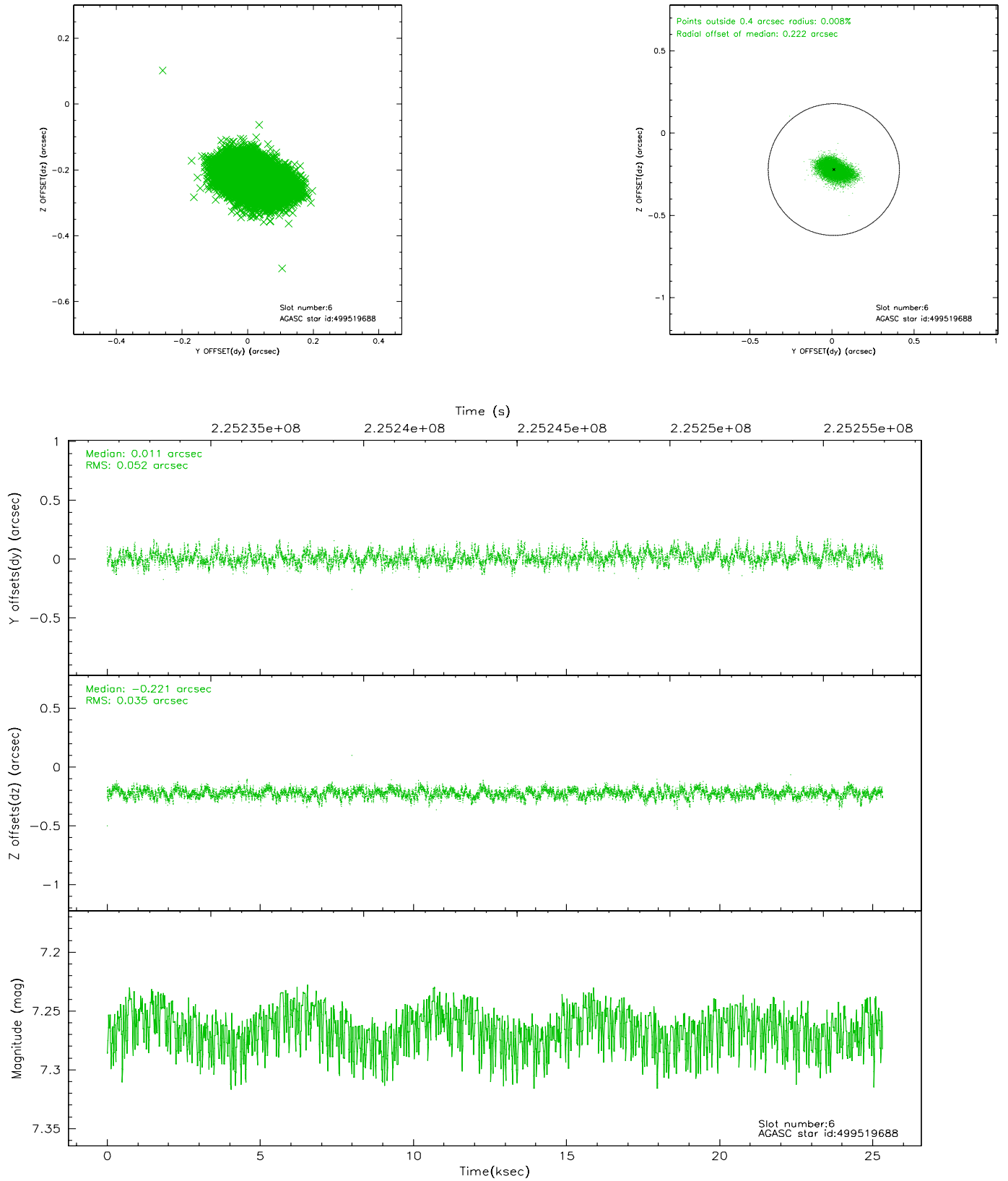
## 2.4.2 Slot 4



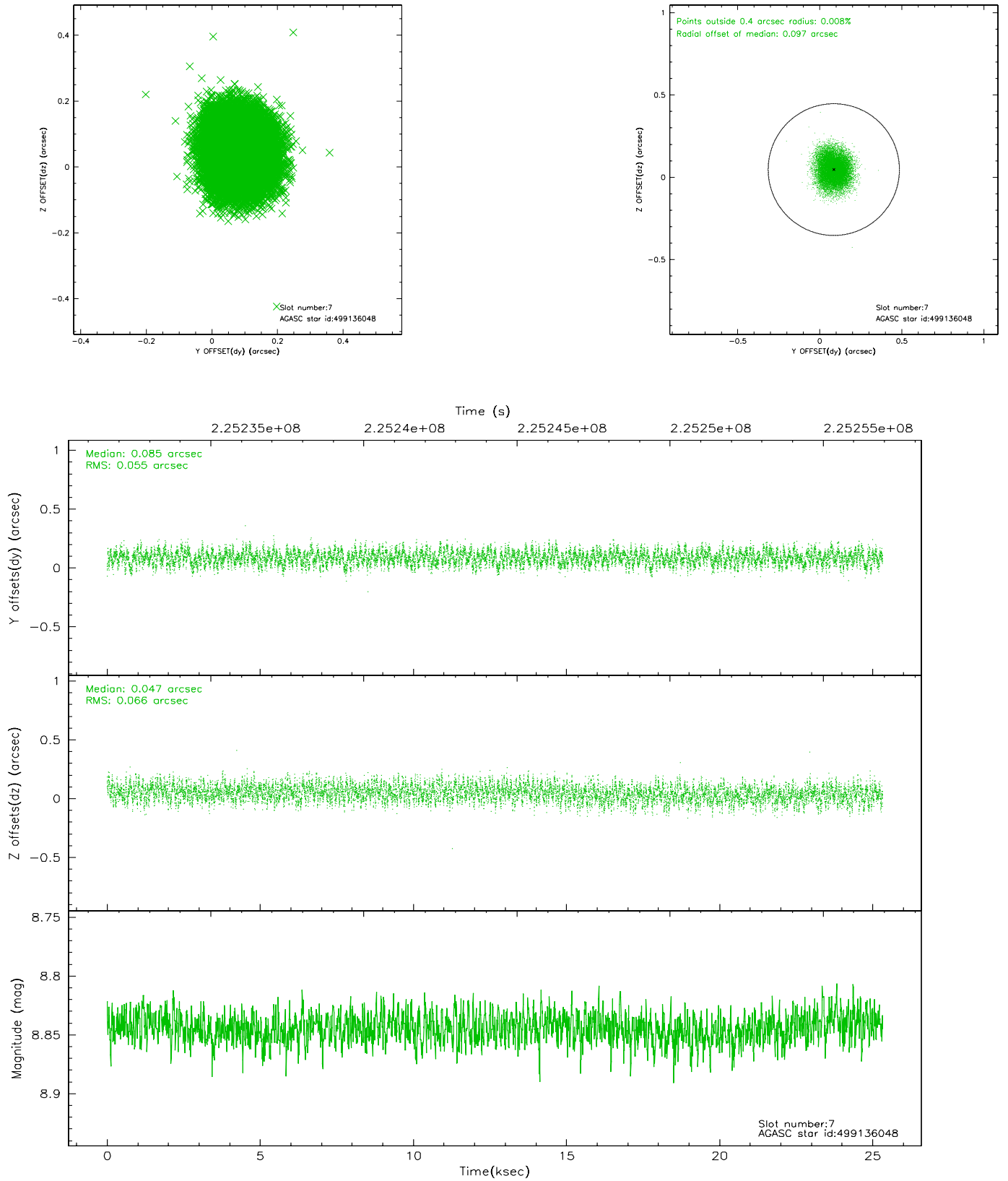
### 2.4.3 Slot 5



## 2.4.4 Slot 6

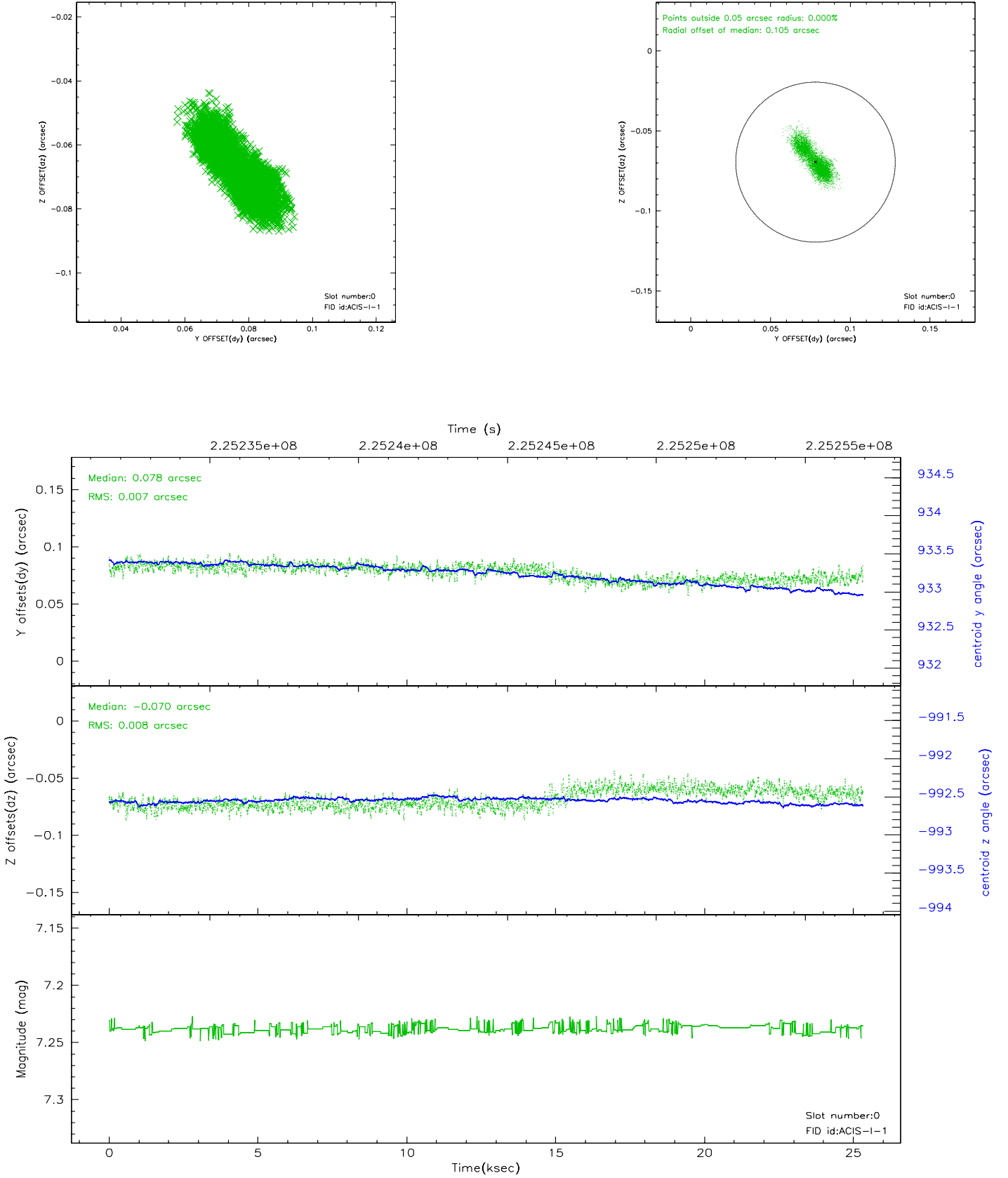


## 2.4.5 Slot 7

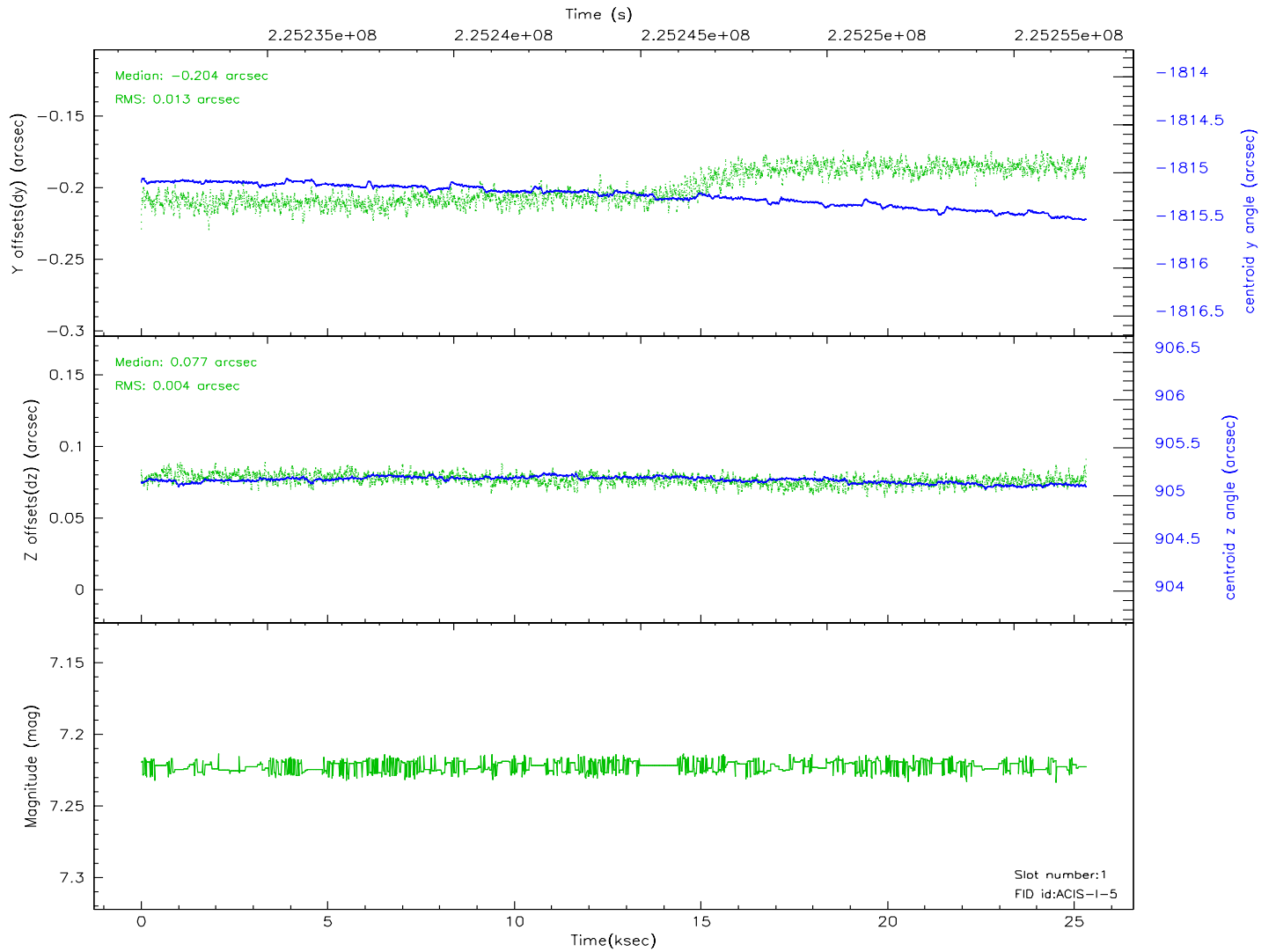
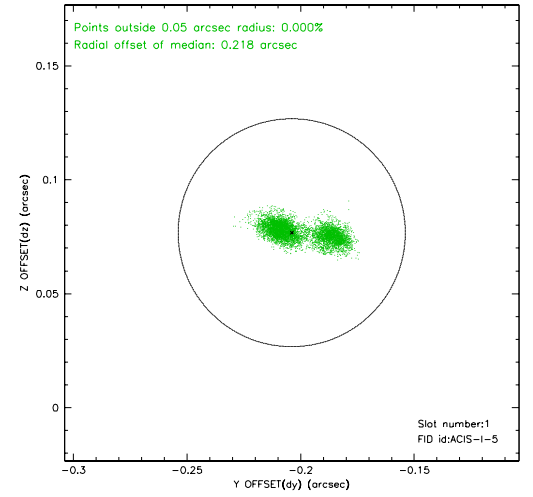
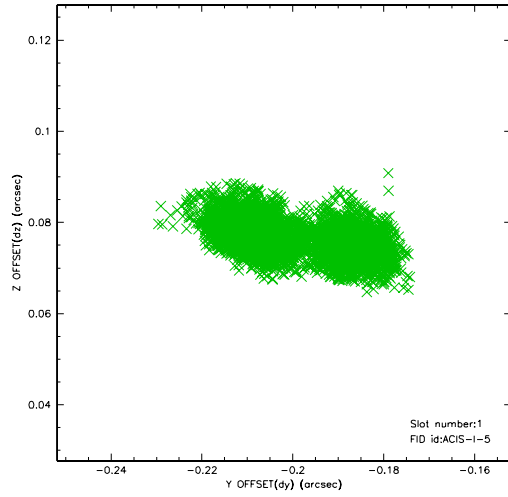


## 2.5 FID Slots

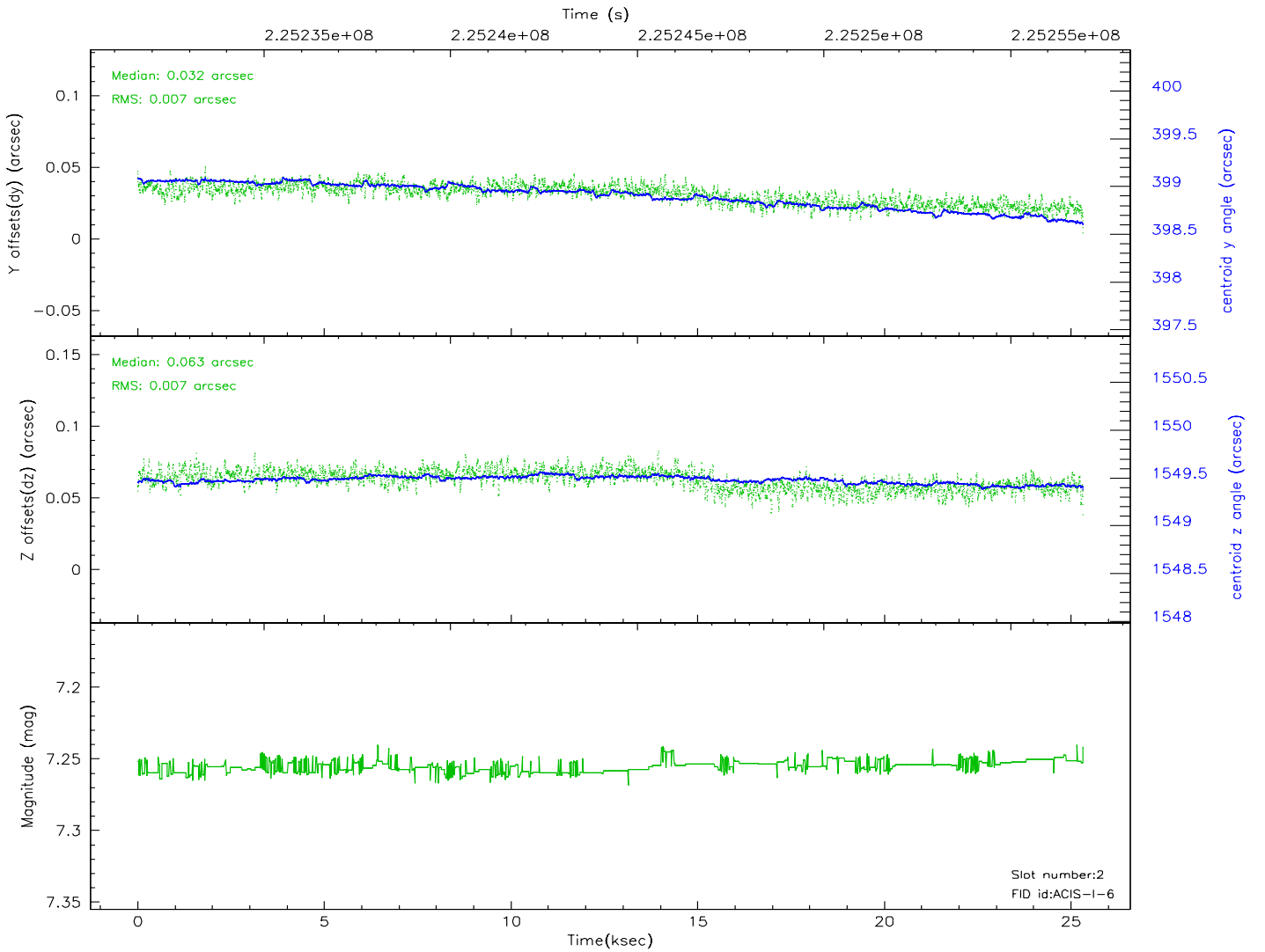
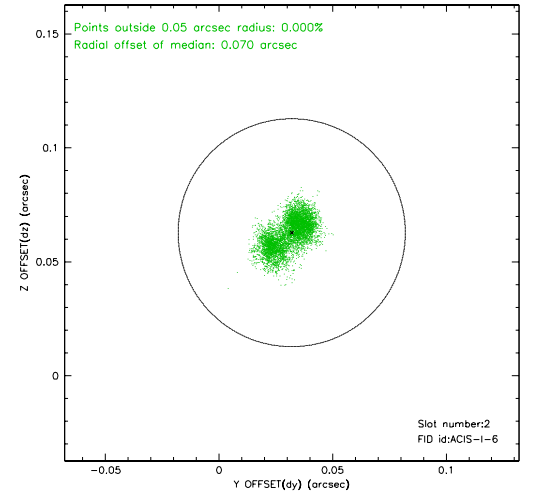
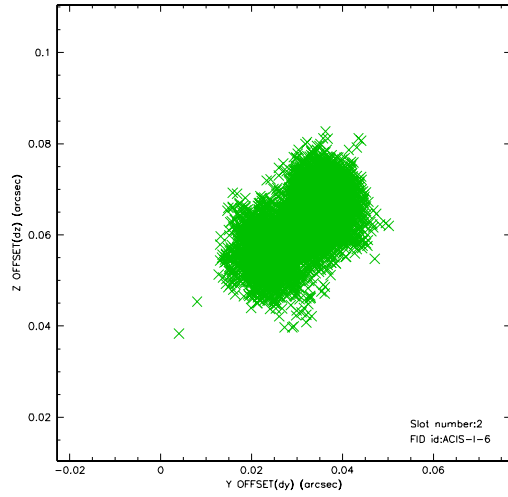
### 2.5.1 Slot 0



## 2.5.2 Slot 1

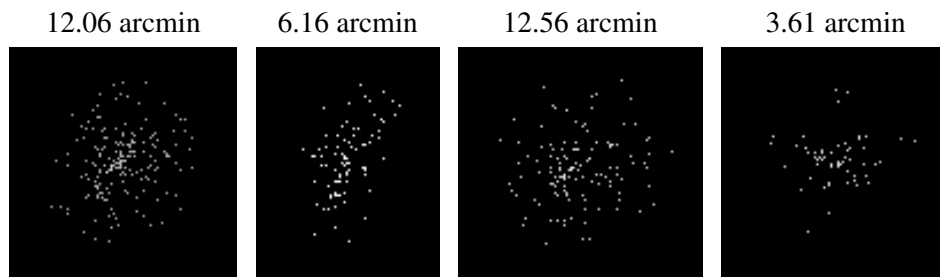


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.91461

### A.2 Comments