

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3233 - L2 Version 001  
Chandra X-Ray Center

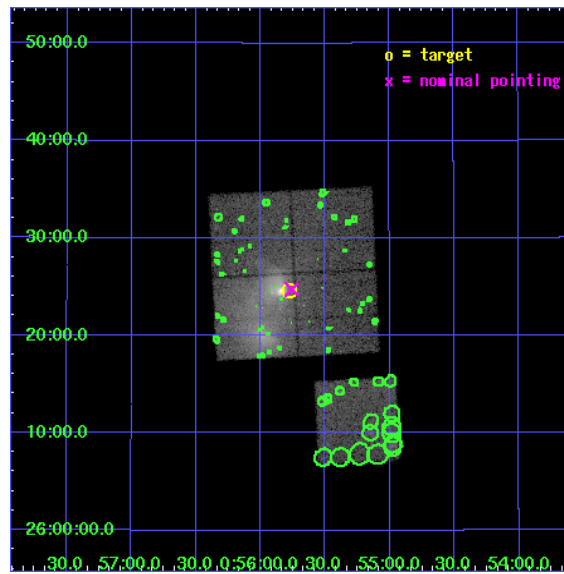
L2 Processing Date : Oct 5 2006

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# 1 Front

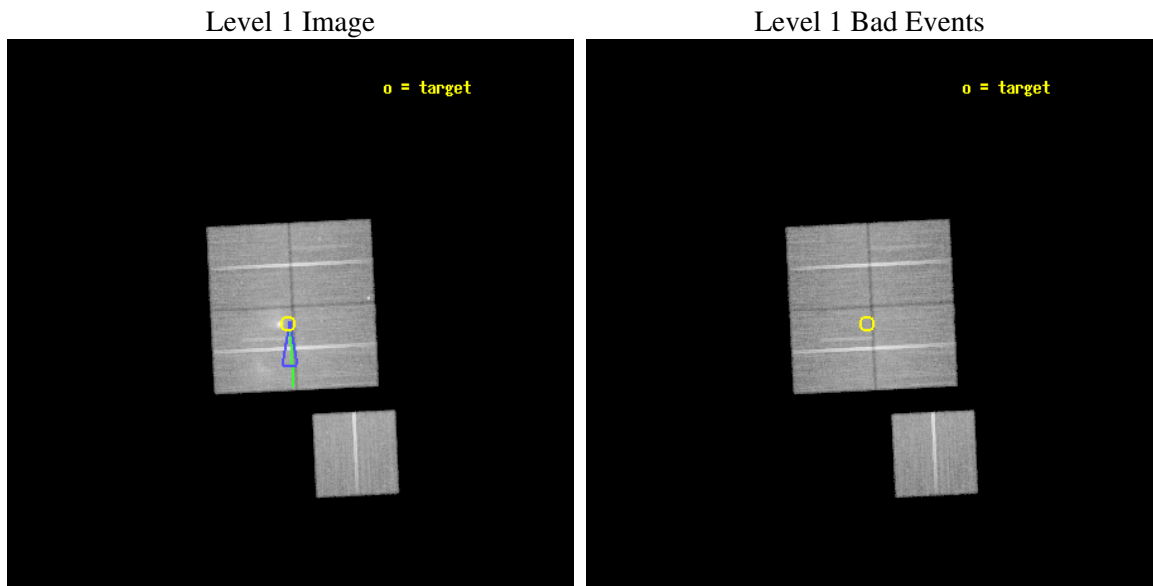
seq_num	800233
obs_id	3233
title	RESOLVING THE HIGH TEMPERATURE REGION BETWEEN THE SUBCLUSTERS OF ABELL 115 AND INTRACLUSTER MEDIUM INTERACTIONS OF 3C 28
observer	Professor Henric Krawczynski
object	3C 28.0
dtcycle	0
cycle	P
ra_targ	13.944167
dec_targ	26.410361
ra_nom	13.939482654175
dec_nom	26.412387864509
roll_nom	177.20936733045
revision	2
ontime	50378.058992684
livetime	49719.832564157
ontime0	50374.917942703
ontime1	50371.776992351
ontime2	50368.635972321
ontime3	50378.058992684
ontime6	50368.636032134
l2events	164062



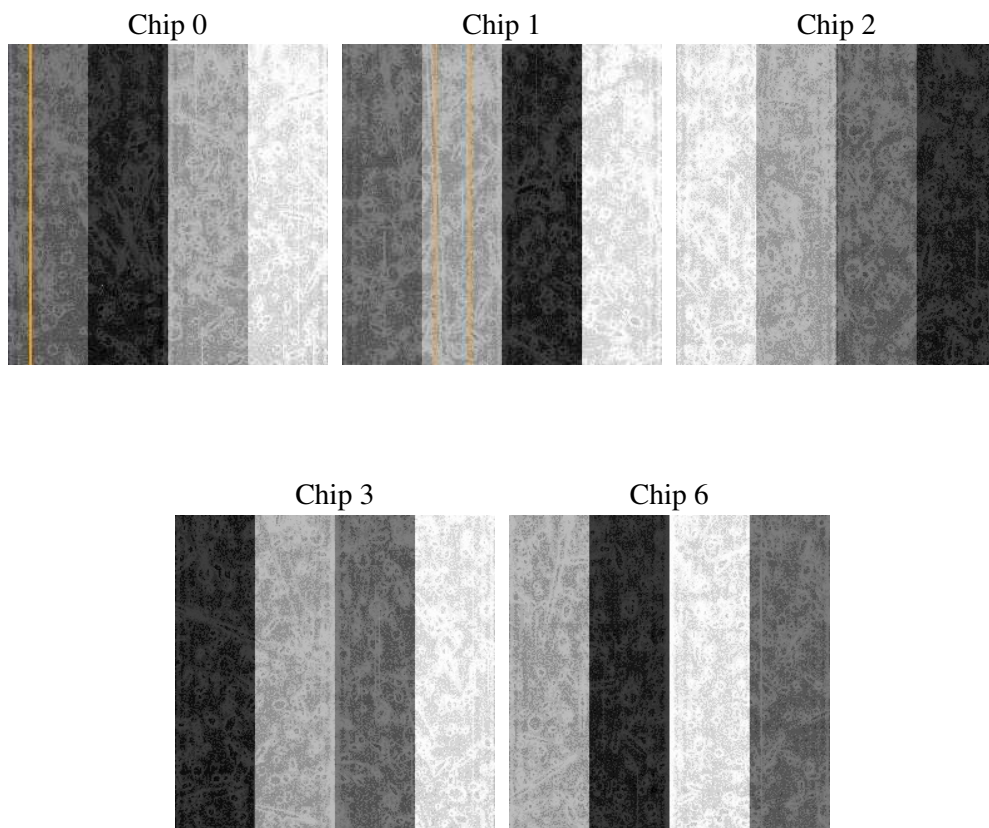
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-05T21:33:04
revision	2

sched_exp_time	50200.000000
ontime	51022.529527426
ontime0	51025.670557439
ontime1	51016.247527093
ontime2	51003.683387071
ontime3	51022.529527426
ontime6	51019.388646871
l1events	1383789

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	249351	254069	285633	326802	267934
rejected events	222595	224109	259611	247140	242525
rejected %	89%	88%	90%	75%	90%

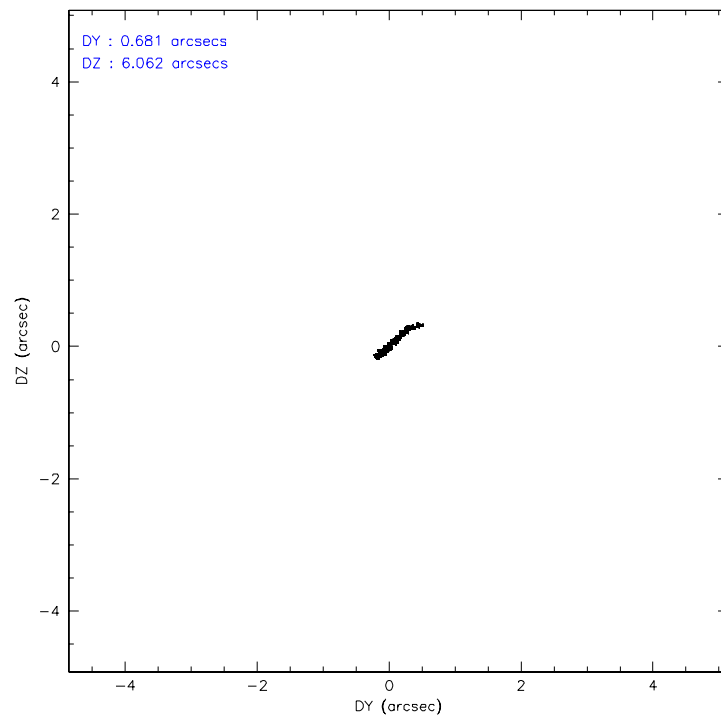
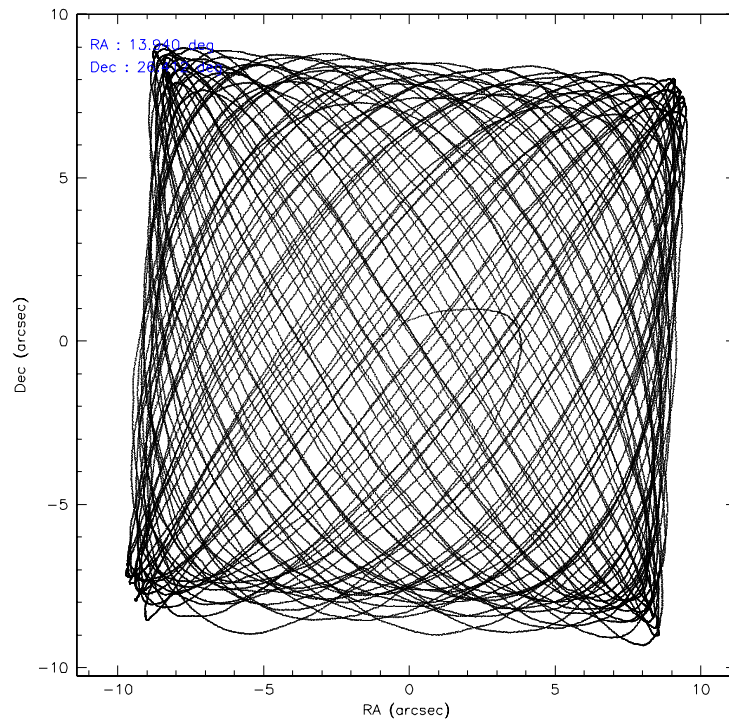
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10485	12597	10675	55222	9507
	4%	4%	3%	16%	3%
grade 1 events	131	137	141	381	116
	0%	0%	0%	0%	0%
grade 2 events	5919	5874	5661	10347	5172
	2%	2%	1%	3%	1%
grade 3 events	3018	3260	2906	4522	3055
	1%	1%	1%	1%	1%
grade 4 events	2772	3283	2868	4318	2918
	1%	1%	1%	1%	1%
grade 5 events	7565	8101	7137	8855	8375
	3%	3%	2%	2%	3%
grade 6 events	4866	5295	4213	5614	5096
	1%	2%	1%	1%	1%
grade 7 events	214595	215522	252032	237543	233695
	86%	84%	88%	72%	87%

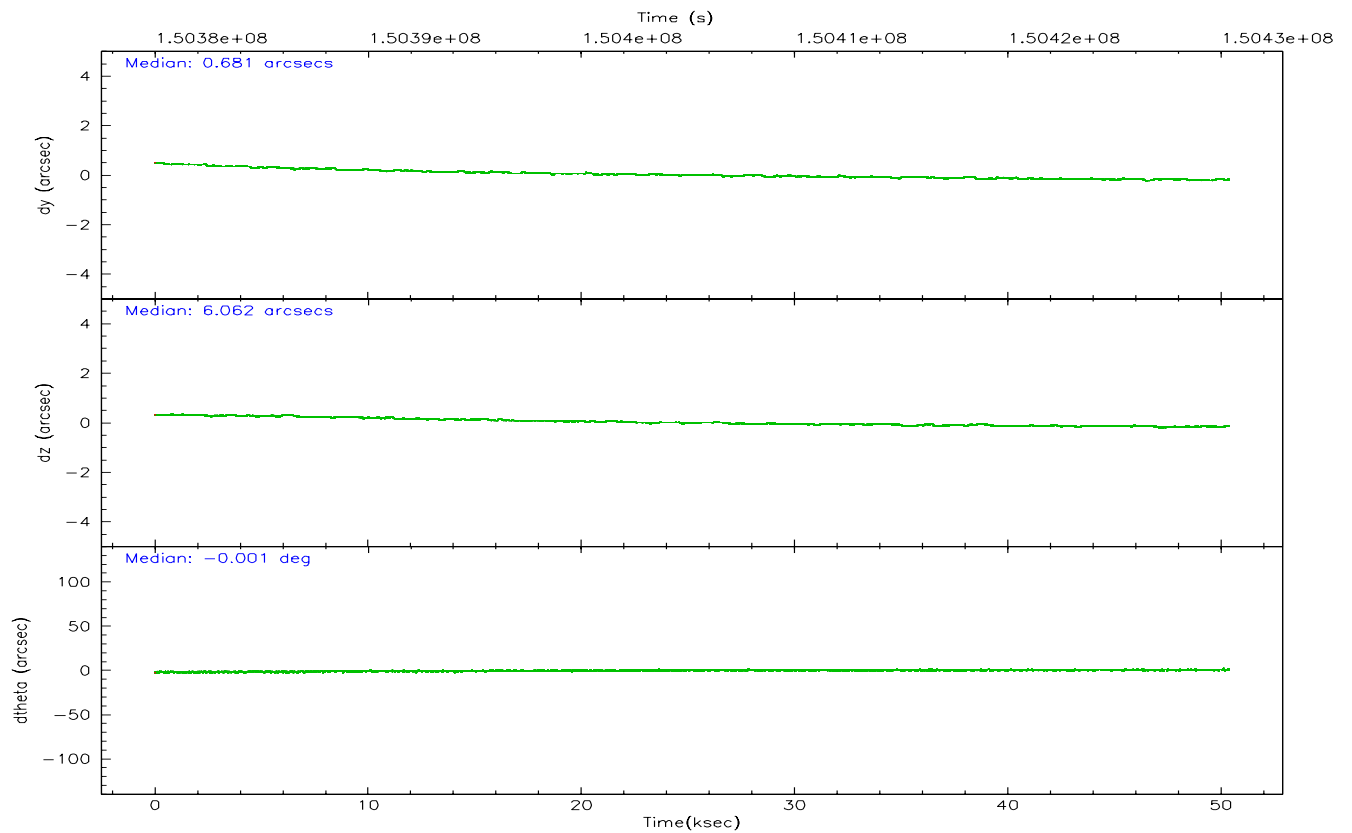
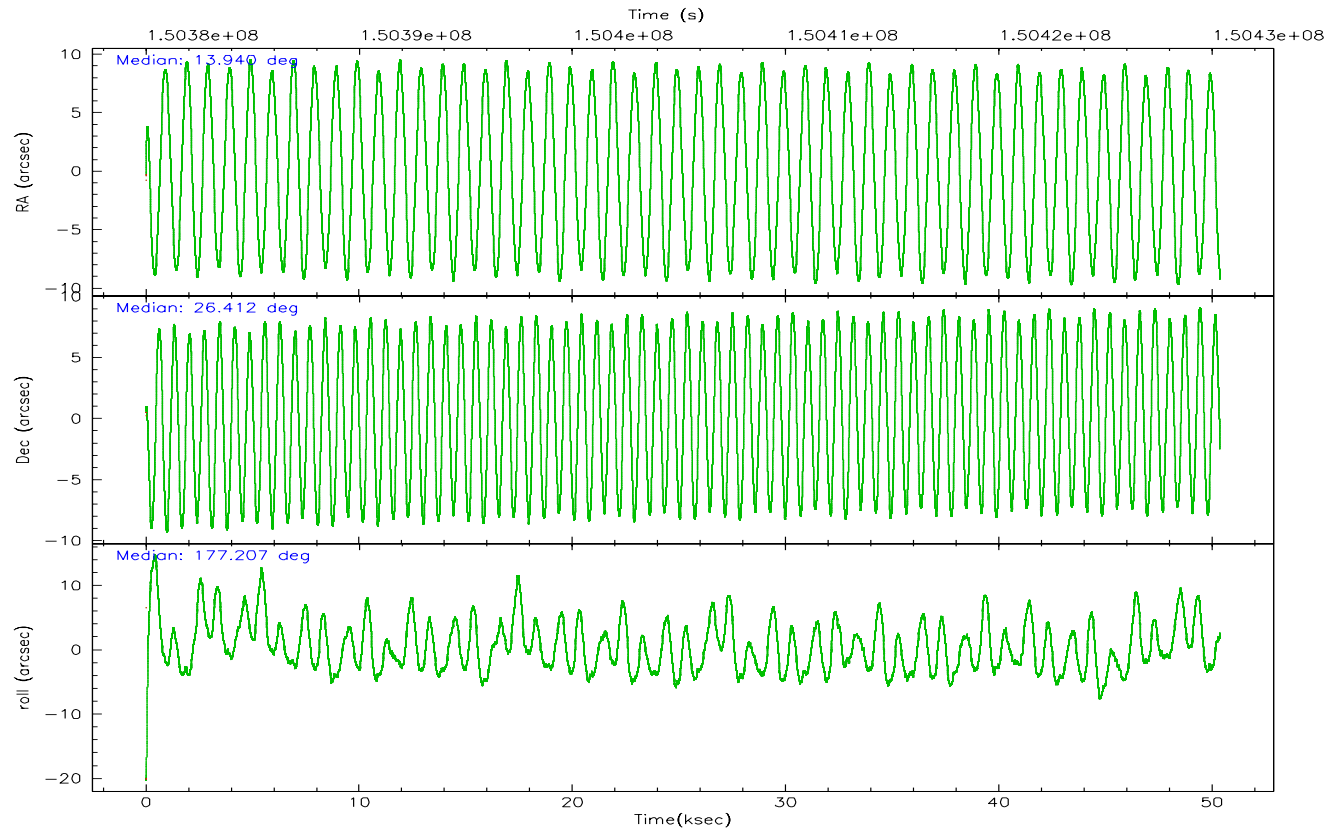


## 2.2 Compared Parameters

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	13.966637	13.93948265417548	Subarray requested	NONE	NONE
Pointing Dec	26.424991	26.41238786450869	Alternating exposures requested	N	N
Pointing Roll	176.988608	177.209367330452	Primary exposure time	0.000000	3.1
Roll angle	180.000000	180.000000			
Roll tolerance	10.000000	10.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-230.372463	-230.3691108748319			
SIM translation stage offset (mm)	-3.22	-3.223342128097812			
Observation start time	150380192.184000	150378834.82225			
Observation start date	2002-10-07T12:15:28	2002-10-07T11:53:54			
Observation end time	150430392.184000	150431216.42442			
Observation end date	2002-10-08T02:12:08	2002-10-08T02:26:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect



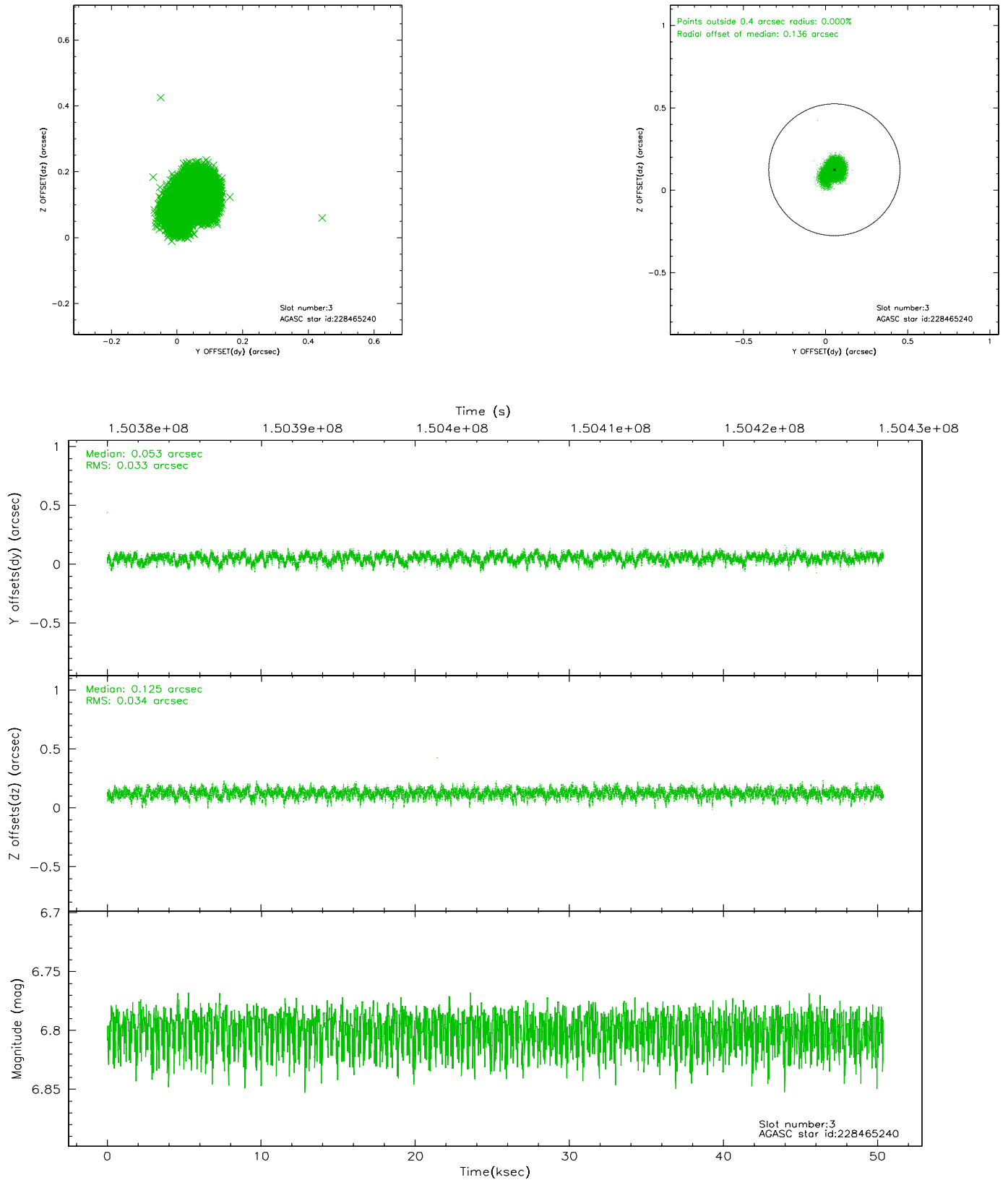


### Slot Statistics

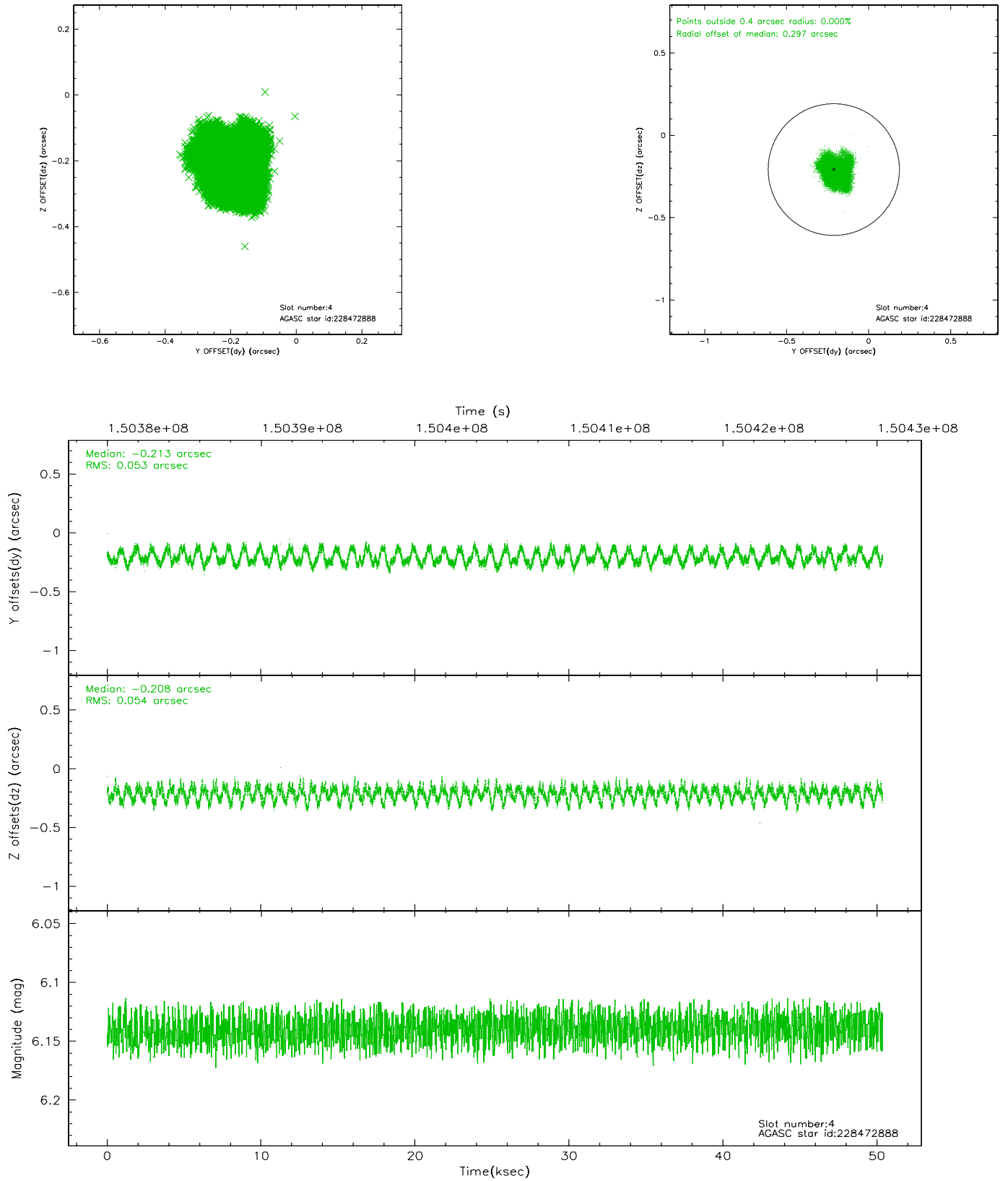
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	12289	0.036	0.043	0.008	0.013	0.000000	0.000000	939.09	-895.56
1	FID	ACIS-I-5	7.23	12288	-0.165	0.066	0.007	0.014	0.000000	0.000000	-1809.19	1002.02
2	FID	ACIS-I-6	7.26	12288	0.038	-0.038	0.008	0.013	0.000000	0.000000	404.71	1646.35
3	GUIDE	228465240	6.80	24575	0.053	0.125	0.049	0.083	14.618559	26.785836	-2022.28	-1412.70
4	GUIDE	228472888	6.14	24578	-0.213	-0.208	0.083	0.126	14.185441	26.339999	-719.99	267.47
5	GUIDE	228474552	8.13	24577	0.034	0.091	0.064	0.106	14.313380	26.999538	-1000.65	-2125.50
6	GUIDE	228465440	9.05	24569	0.117	-0.039	0.076	0.124	14.413974	26.069950	-1510.28	1197.64
7	GUIDE	228341096	10.20	24549	0.001	0.043	0.149	0.235	13.385844	25.837536	1769.61	2206.67

## 2.4 Star Slots

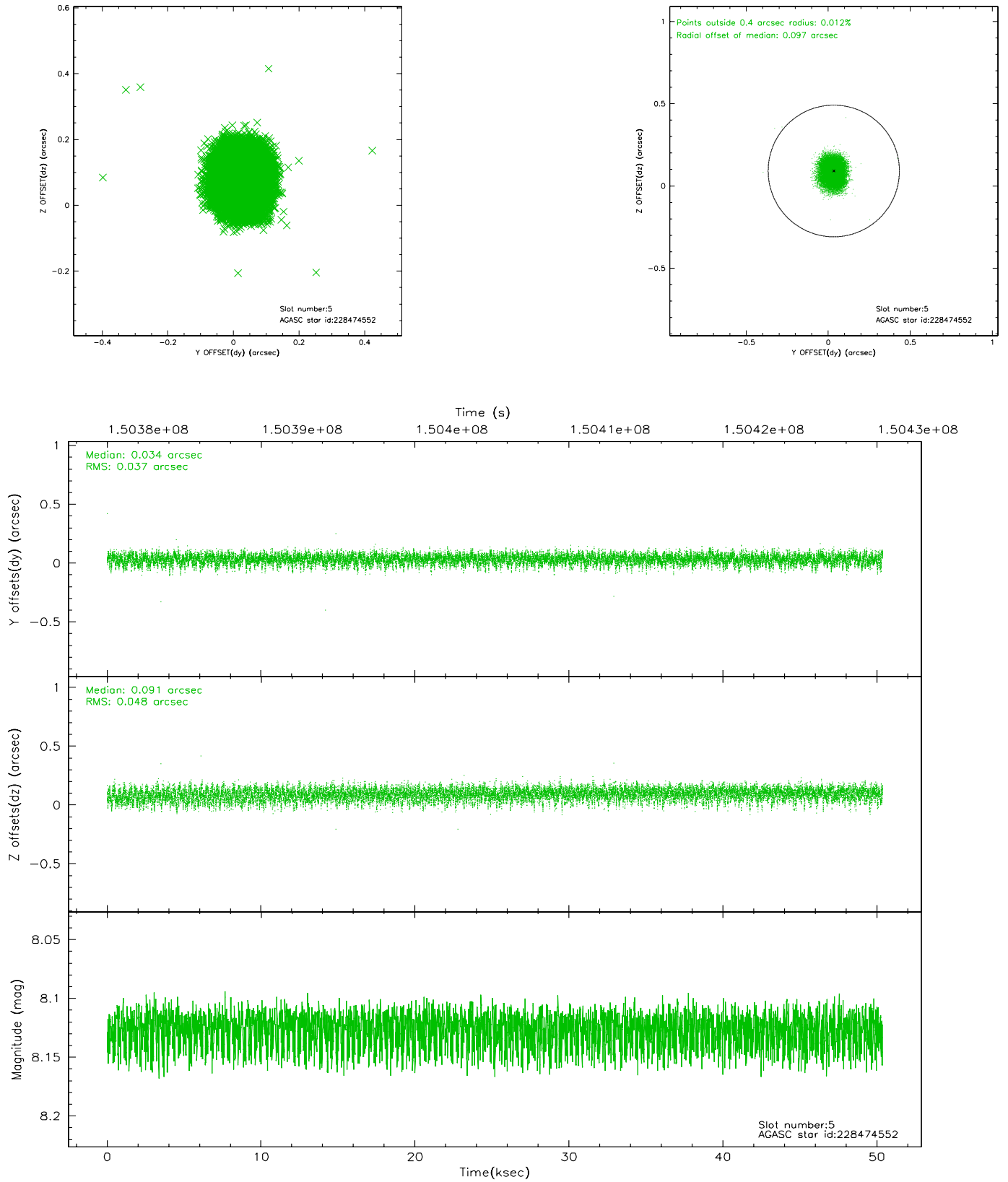
### 2.4.1 Slot 3



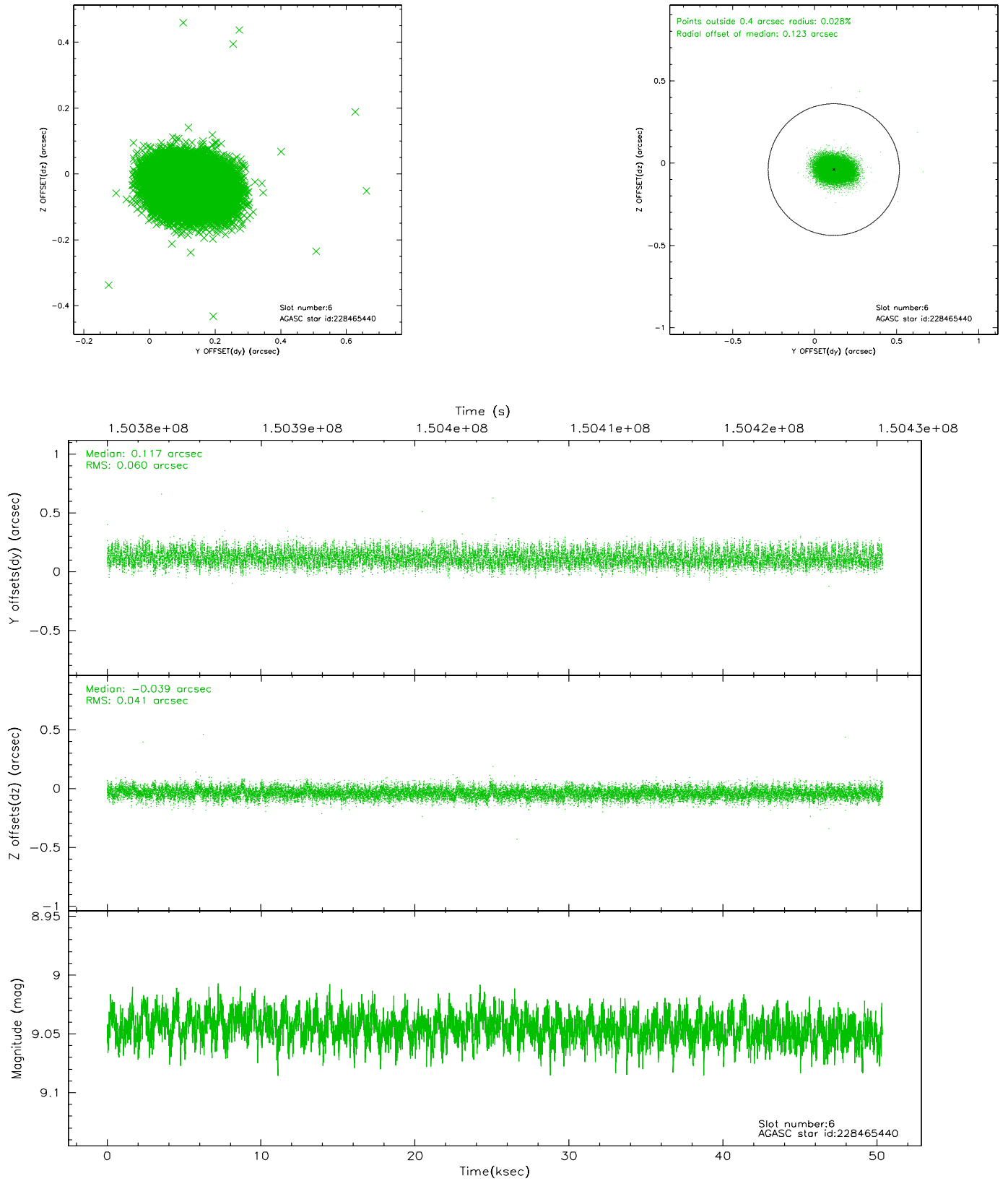
## 2.4.2 Slot 4



### 2.4.3 Slot 5

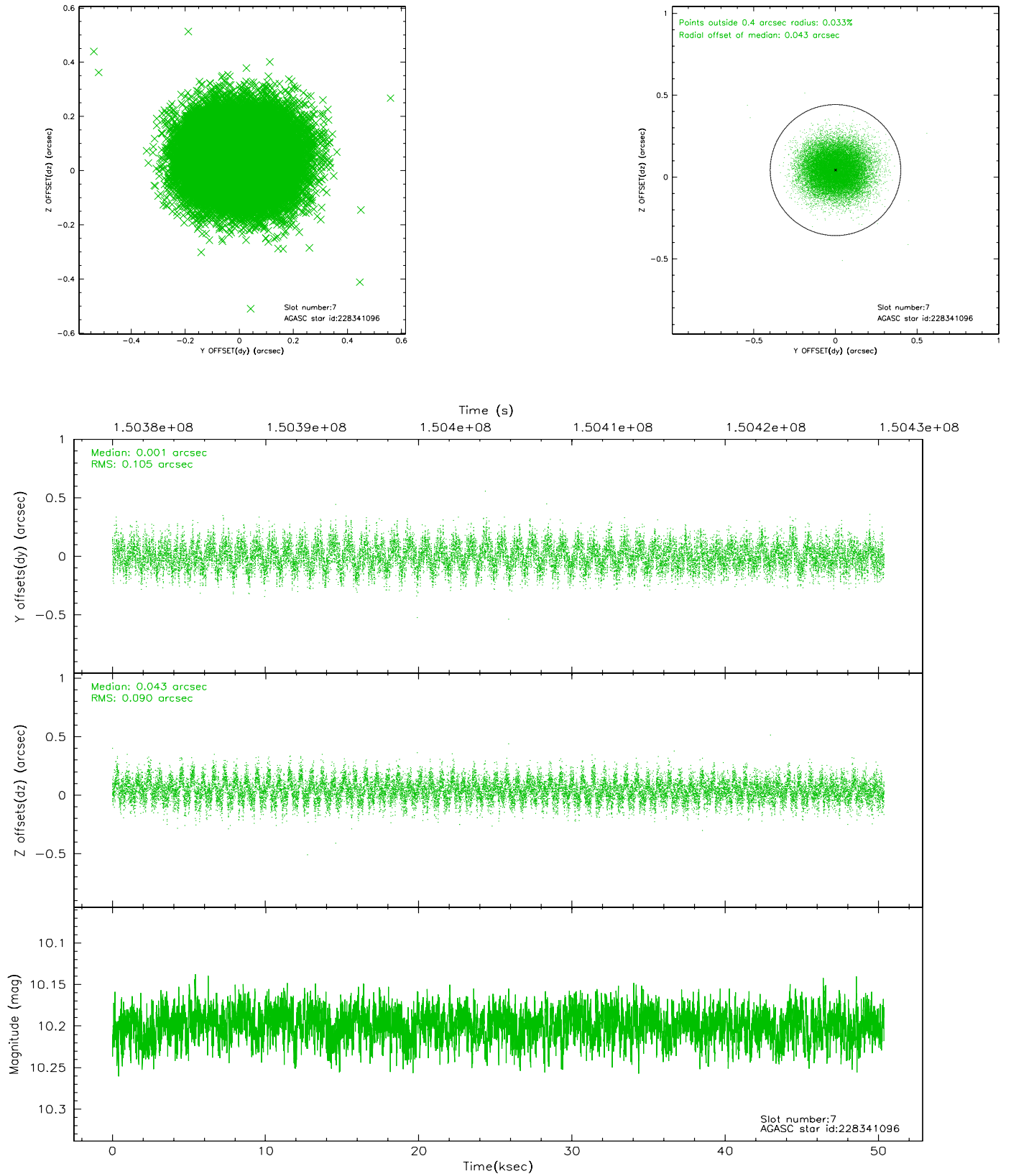


## 2.4.4 Slot 6



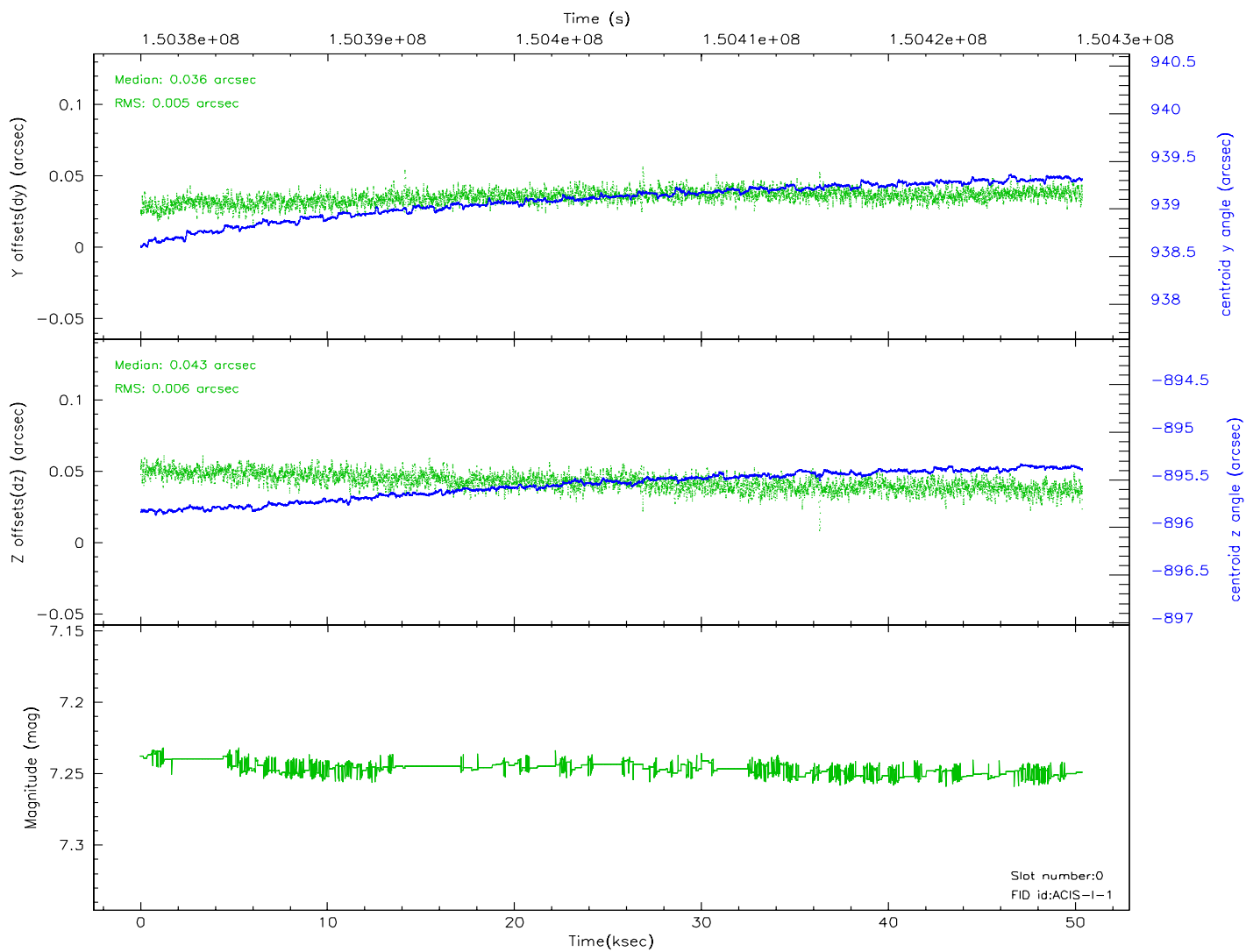
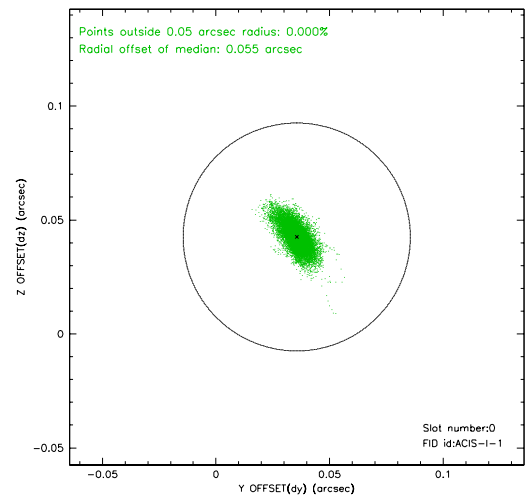
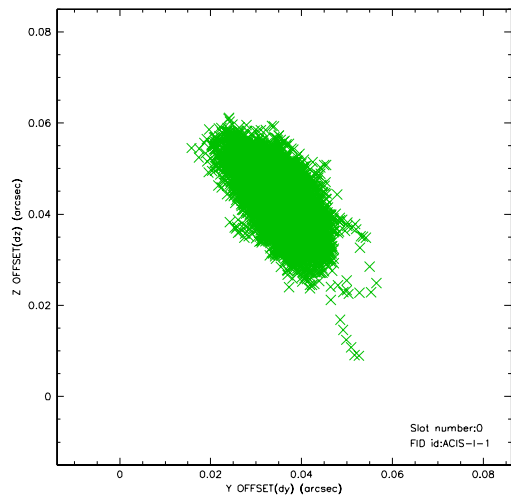


## 2.4.5 Slot 7

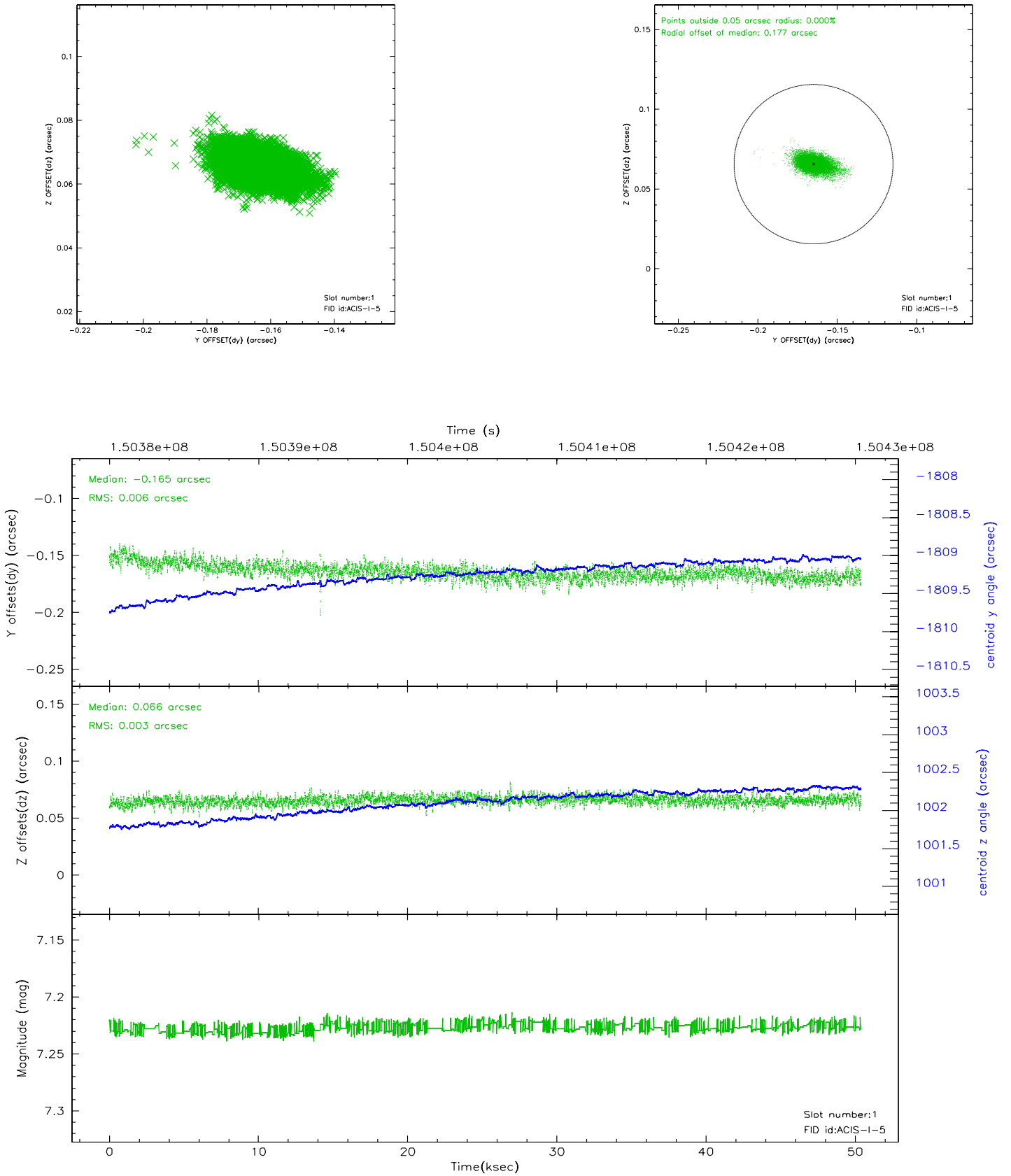


## 2.5 FID Slots

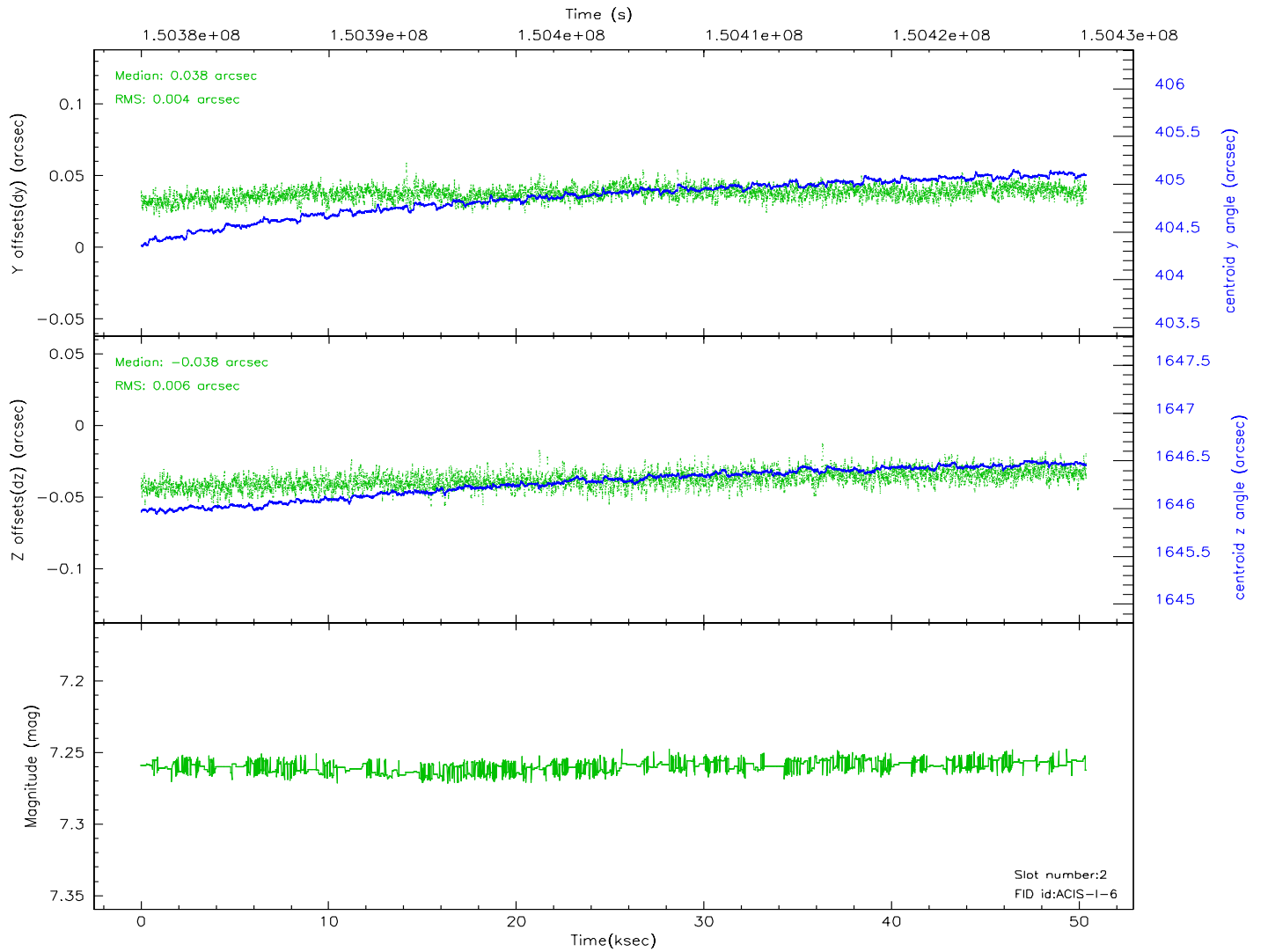
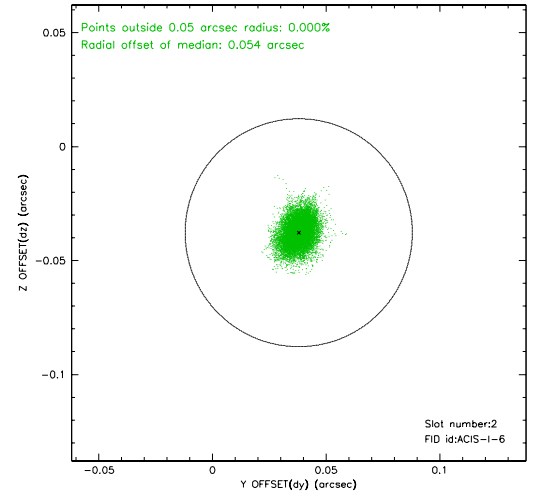
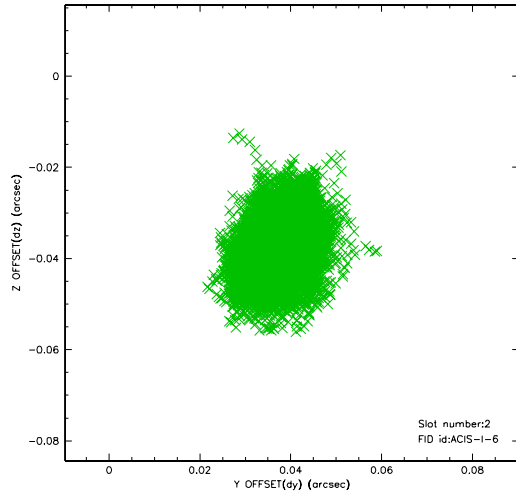
### 2.5.1 Slot 0



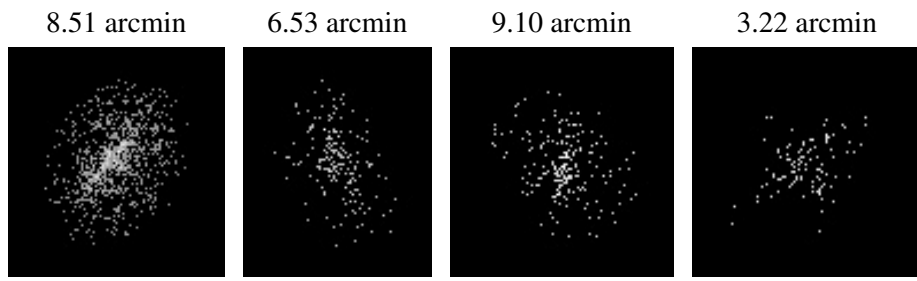
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.378

### A.2 Comments

Roll constraint OK.