

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5952 - L2 Version 002  
Chandra X-Ray Center

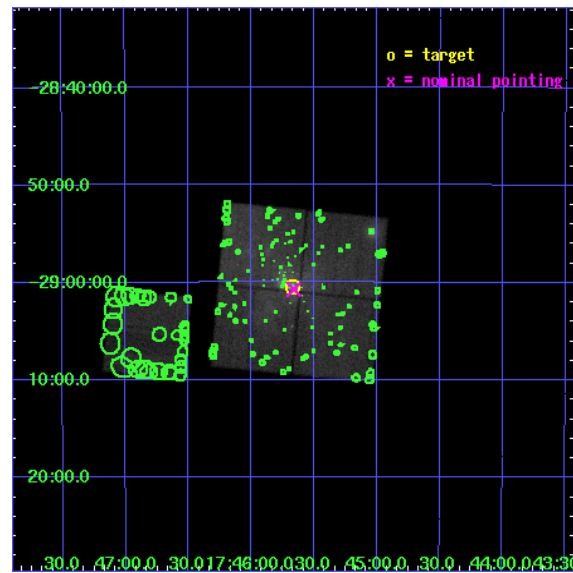
L2 Processing Date : Mar 16 2006

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# 1 Front

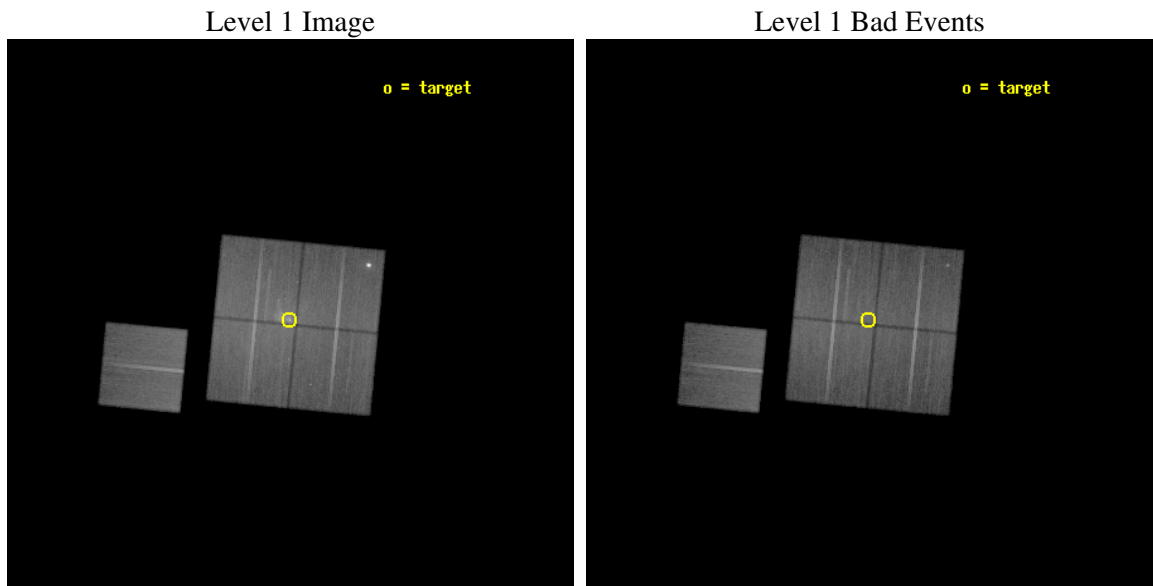
seq_num	600471
obs_id	5952
title	Simultaneous Gamma-Ray to Sub-Millimeter Monitoring of Sagittarius A*
observer	Dr. Frederick Baganoff
object	Sgr A*
dtcycle	0
cycle	P
ra_targ	266.416667
dec_targ	-29.007778
ra_nom	266.41507860613
dec_nom	-29.012187263596
roll_nom	275.48089802448
revision	2
ontime	45926.458901525
livetime	45326.395905409
ontime0	45923.317951113
ontime1	45926.458921522
ontime2	45926.458921432
ontime3	45926.458901525
ontime6	45929.59991169
l2events	474256



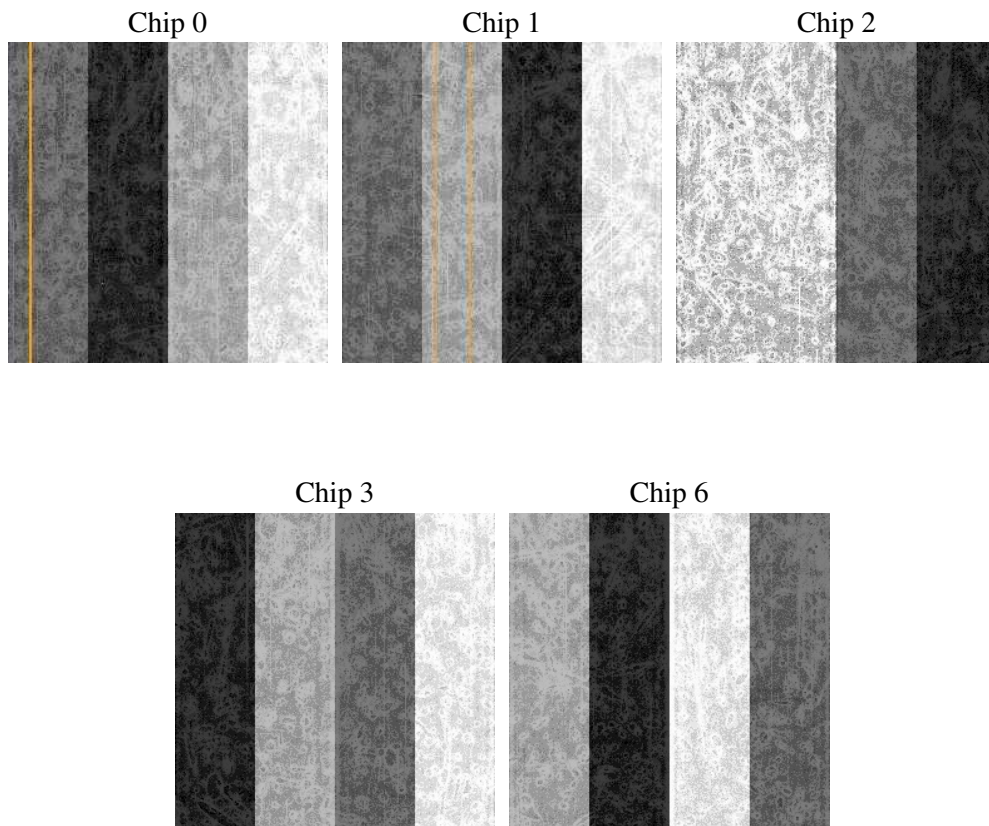
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-16T01:43:47
revision	2

sched_exp_time	45800.000000
ontime	46285.949069262
ontime0	46282.80811885
ontime1	46285.949089259
ontime2	46285.94908917
ontime3	46285.949069262
ontime6	46289.090079427
l1events	2299050

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	404561	457081	483499	511429	442480
rejected events	311758	334545	378818	366179	372364
rejected %	77%	73%	78%	71%	84%

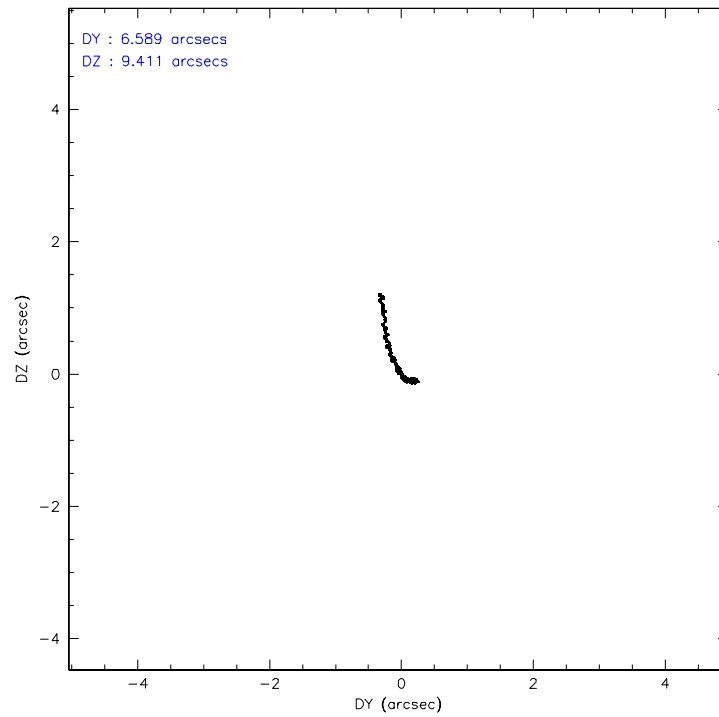
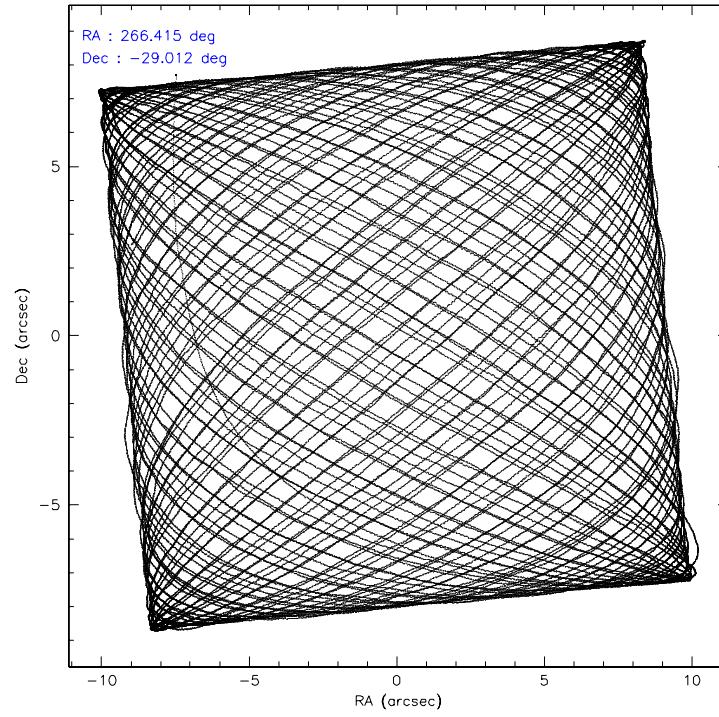
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	48786	65501	58637	86820	32146
	12%	14%	12%	16%	7%
grade 1 events	402	559	490	675	260
	0%	0%	0%	0%	0%
grade 2 events	19165	23905	20286	23815	15974
	4%	5%	4%	4%	3%
grade 3 events	6259	8199	6449	9098	5026
	1%	1%	1%	1%	1%
grade 4 events	6107	8120	7137	9082	5001
	1%	1%	1%	1%	1%
grade 5 events	14293	15807	13646	16729	16070
	3%	3%	2%	3%	3%
grade 6 events	13095	17502	12960	17218	12578
	3%	3%	2%	3%	2%
grade 7 events	296454	317488	363894	347992	355425
	73%	69%	75%	68%	80%

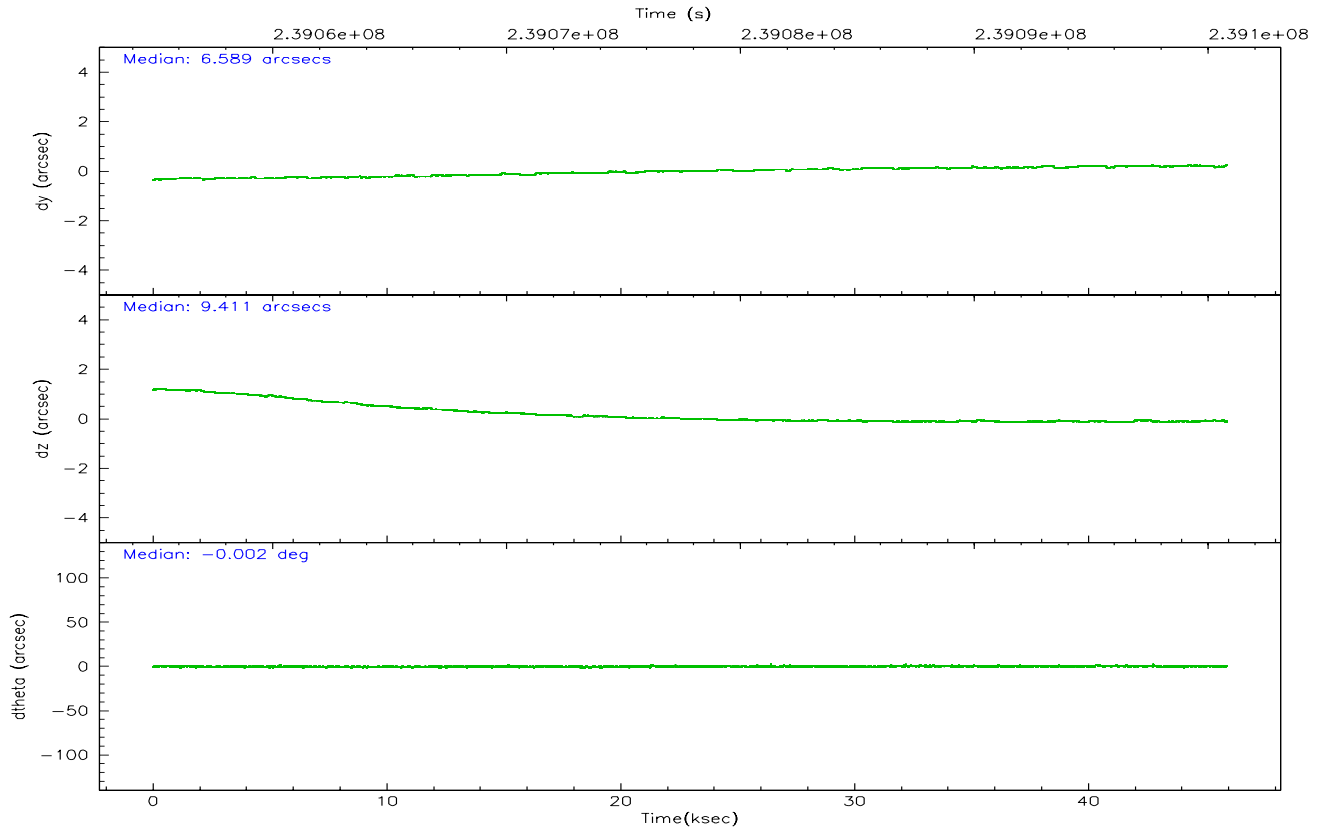
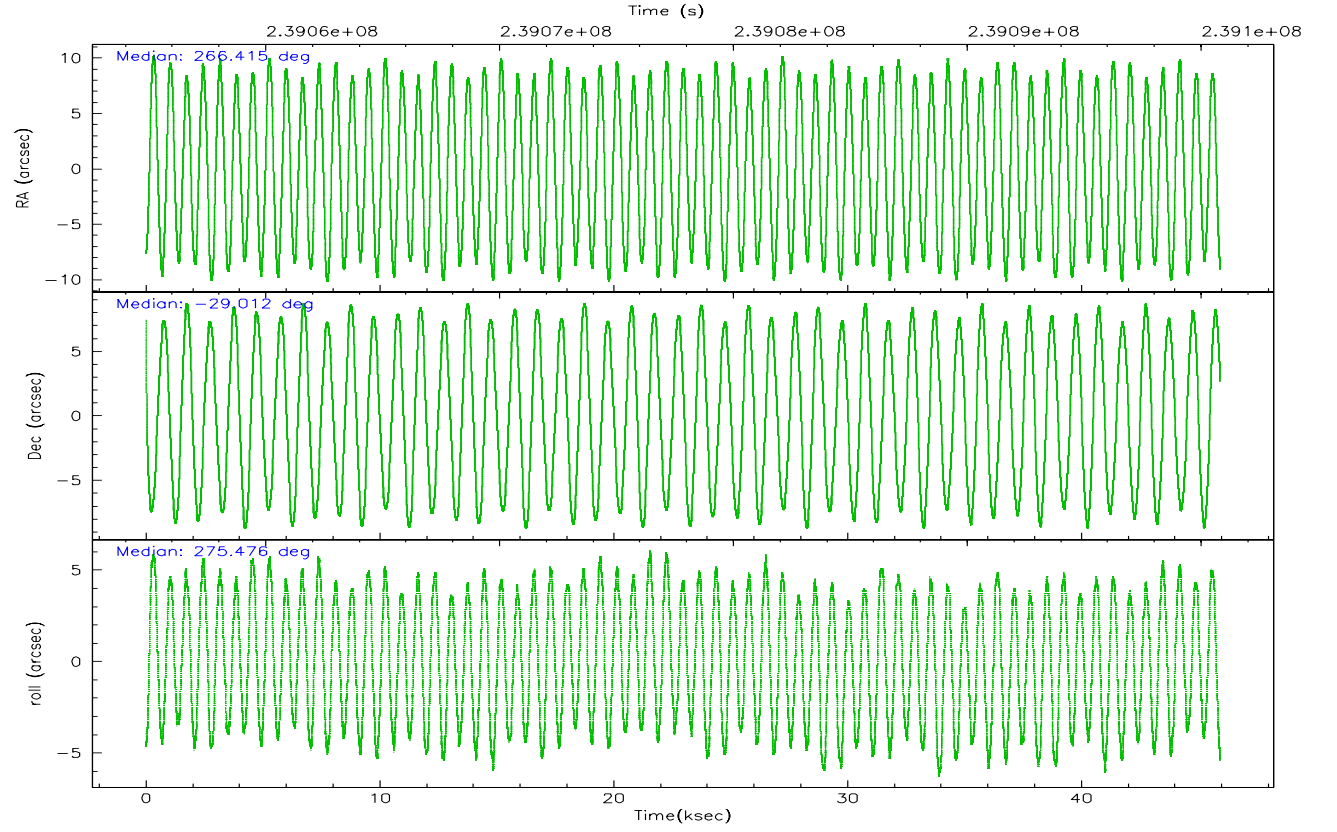


## 2.2 Compared Parameters

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	266.396793	266.415078606126	Alternating exposures requested	N	N
Pointing Dec	-28.989968	-29.01218726359562	Primary exposure time	0.000000	3.1
Pointing Roll	275.263346	275.480898024478			
Window start time	239052424.184000	239052424.184000			
Window stop time	239101444.184000	239101444.184000			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	239055018.184000	239053871.37344			
Observation start date	2005-07-29T20:09:14	2005-07-29T19:51:11			
Observation end time	239100818.184000	239101659.43813			
Observation end date	2005-07-30T08:52:34	2005-07-30T09:07:39			
Read mode	TIMED	TIMED			

## 2.3 Aspect



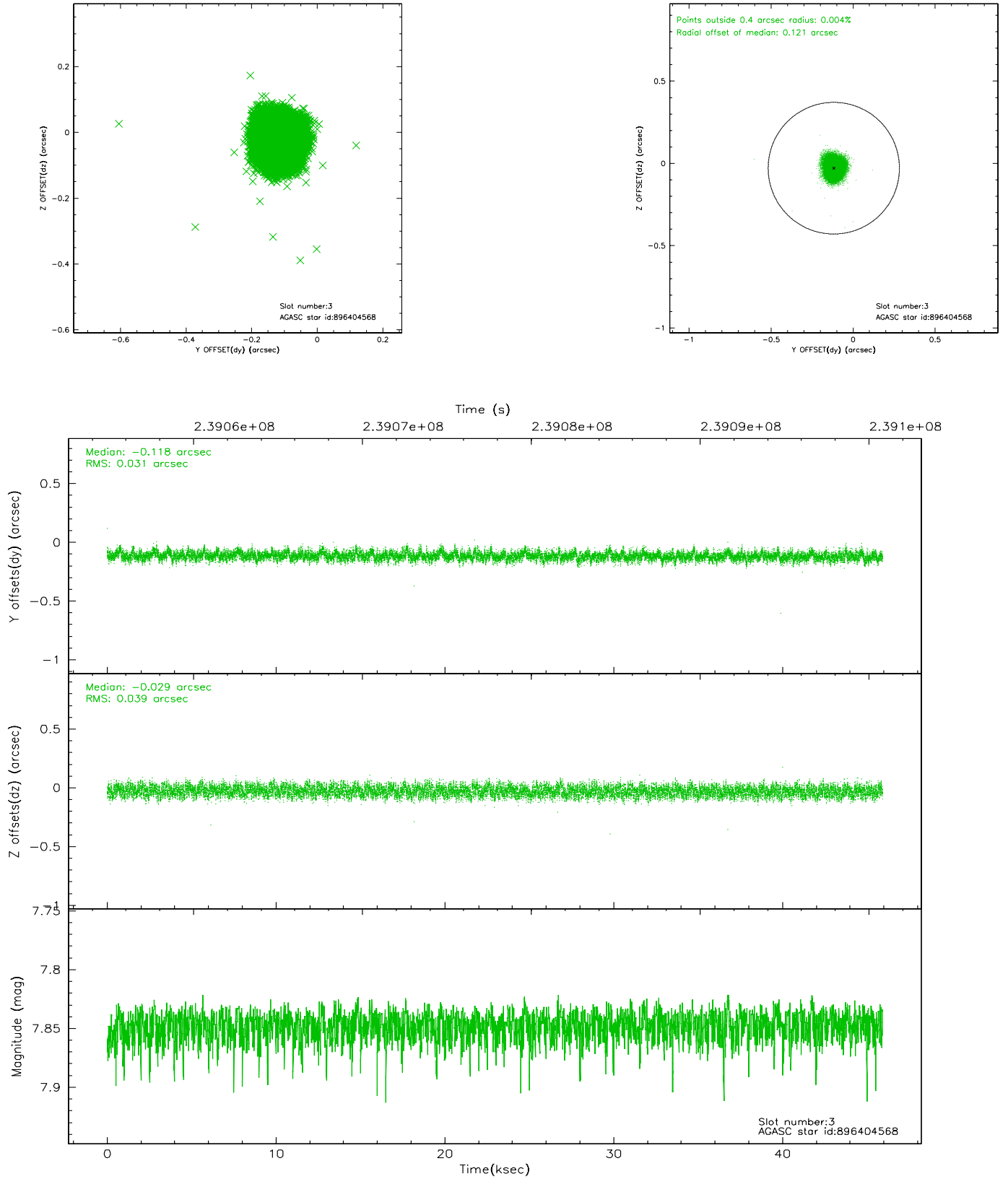


### Slot Statistics

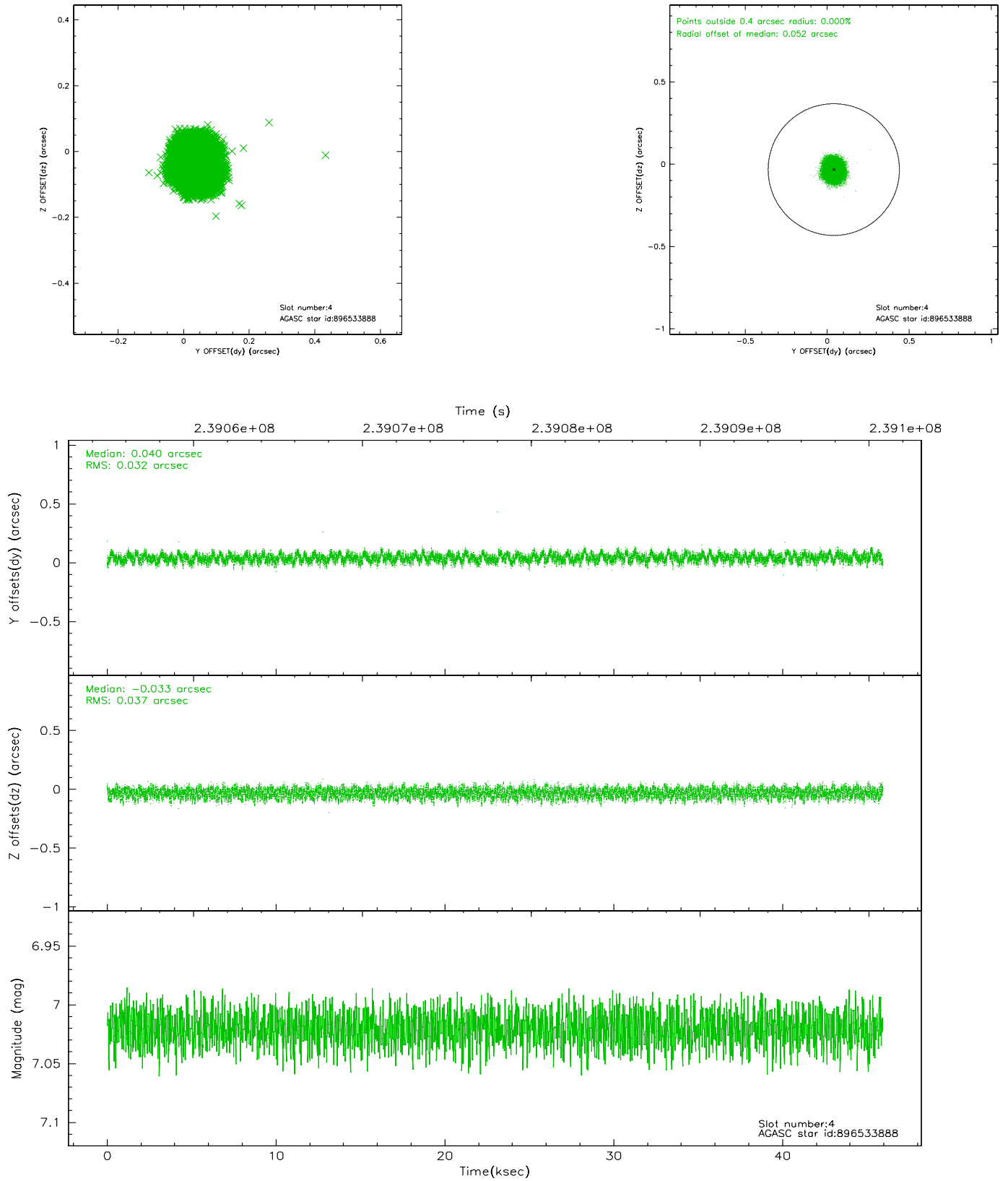
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11202	-0.030	0.064	0.014	0.058	0.000000	0.000000	933.10	-833.02
1	FID	ACIS-I-4	7.18	11203	0.092	-0.006	0.021	0.052	0.000000	0.000000	2153.26	1066.72
2	FID	ACIS-I-5	7.23	11202	-0.159	0.013	0.017	0.036	0.000000	0.000000	-1815.03	1064.60
3	GUIDE	896404568	7.85	22405	-0.118	-0.029	0.053	0.083	265.687293	-28.431080	-2202.66	-2053.03
4	GUIDE	896533888	7.02	22409	0.040	-0.033	0.053	0.080	266.666434	-29.392757	1522.61	709.09
5	GUIDE	896540808	7.47	22408	0.070	0.049	0.044	0.071	265.985401	-29.308604	1026.54	-1391.28
6	GUIDE	896541360	7.72	22403	0.081	0.008	0.044	0.071	266.684478	-29.453744	1746.69	744.86
7	GUIDE	896541576	8.18	22402	-0.076	0.006	0.067	0.105	267.051055	-28.762912	-618.82	2130.47

## 2.4 Star Slots

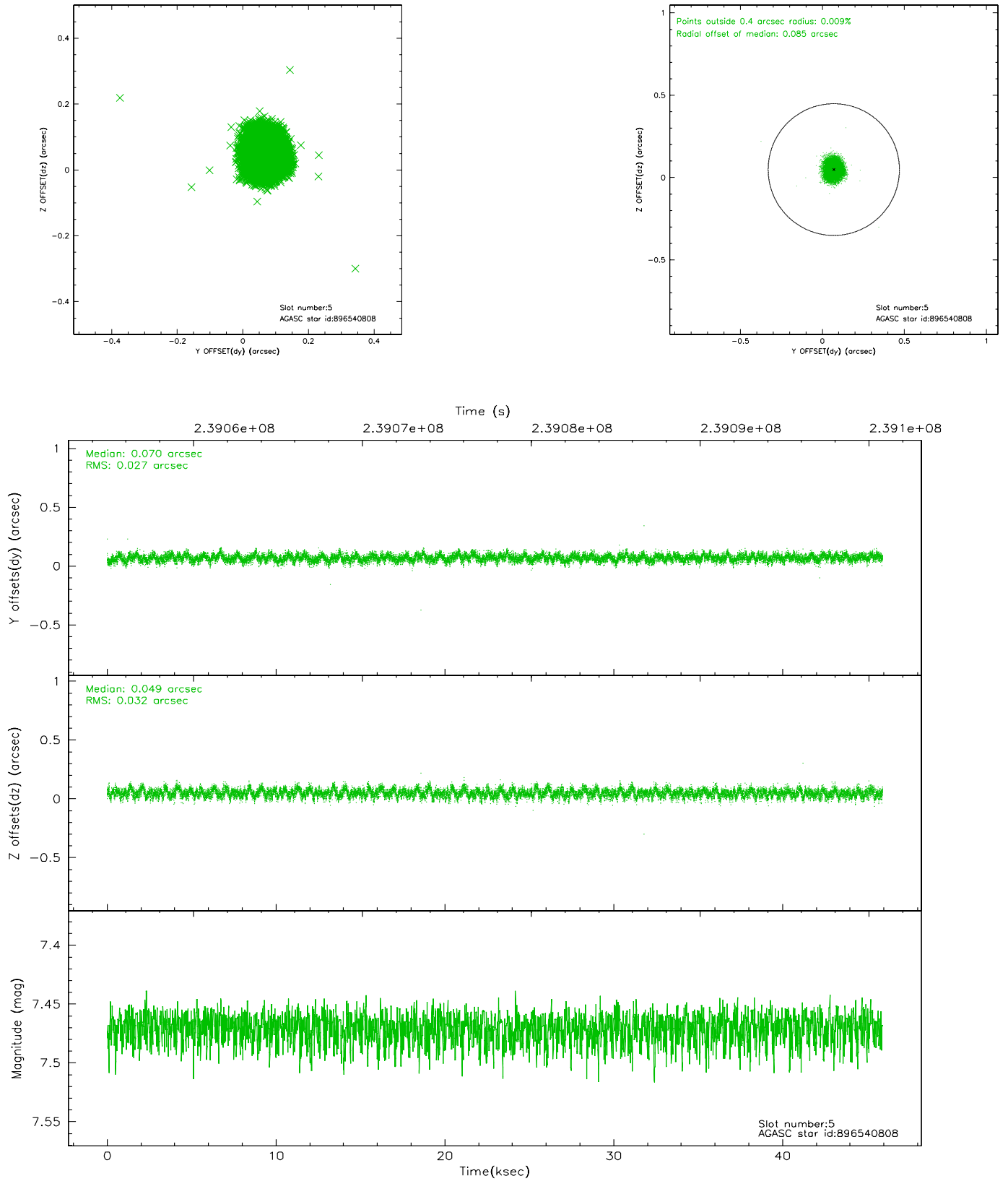
### 2.4.1 Slot 3



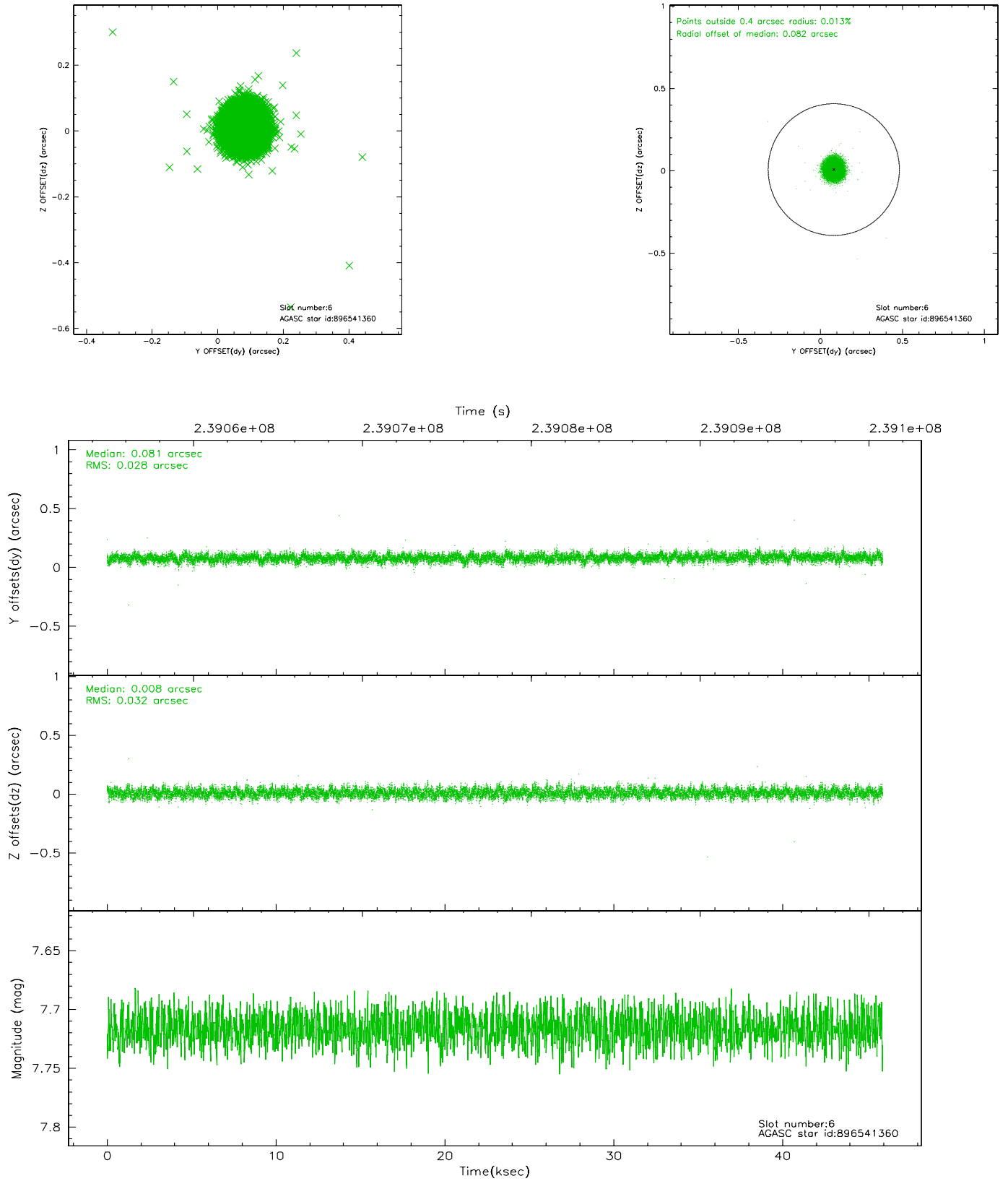
## 2.4.2 Slot 4



### 2.4.3 Slot 5

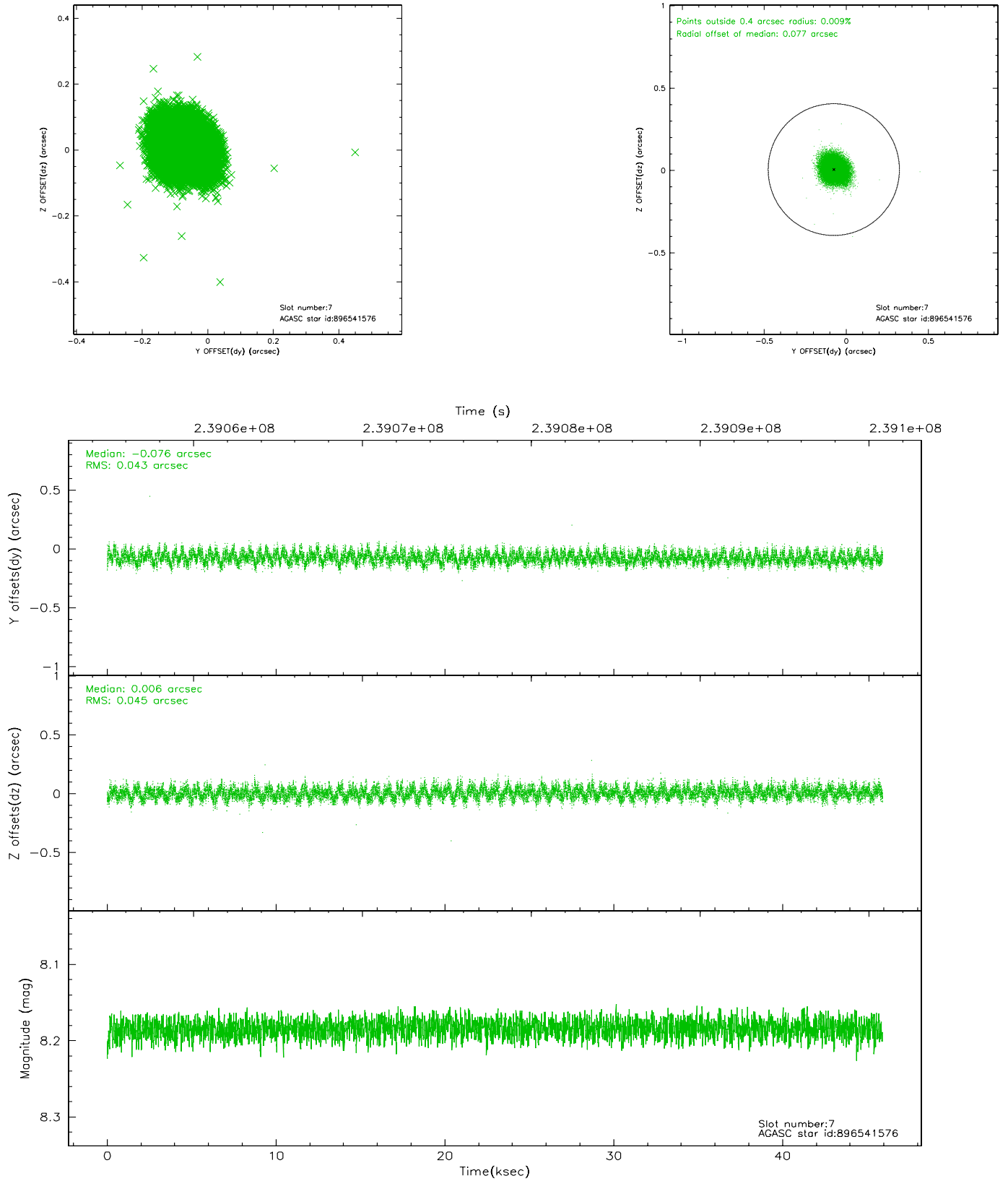


## 2.4.4 Slot 6



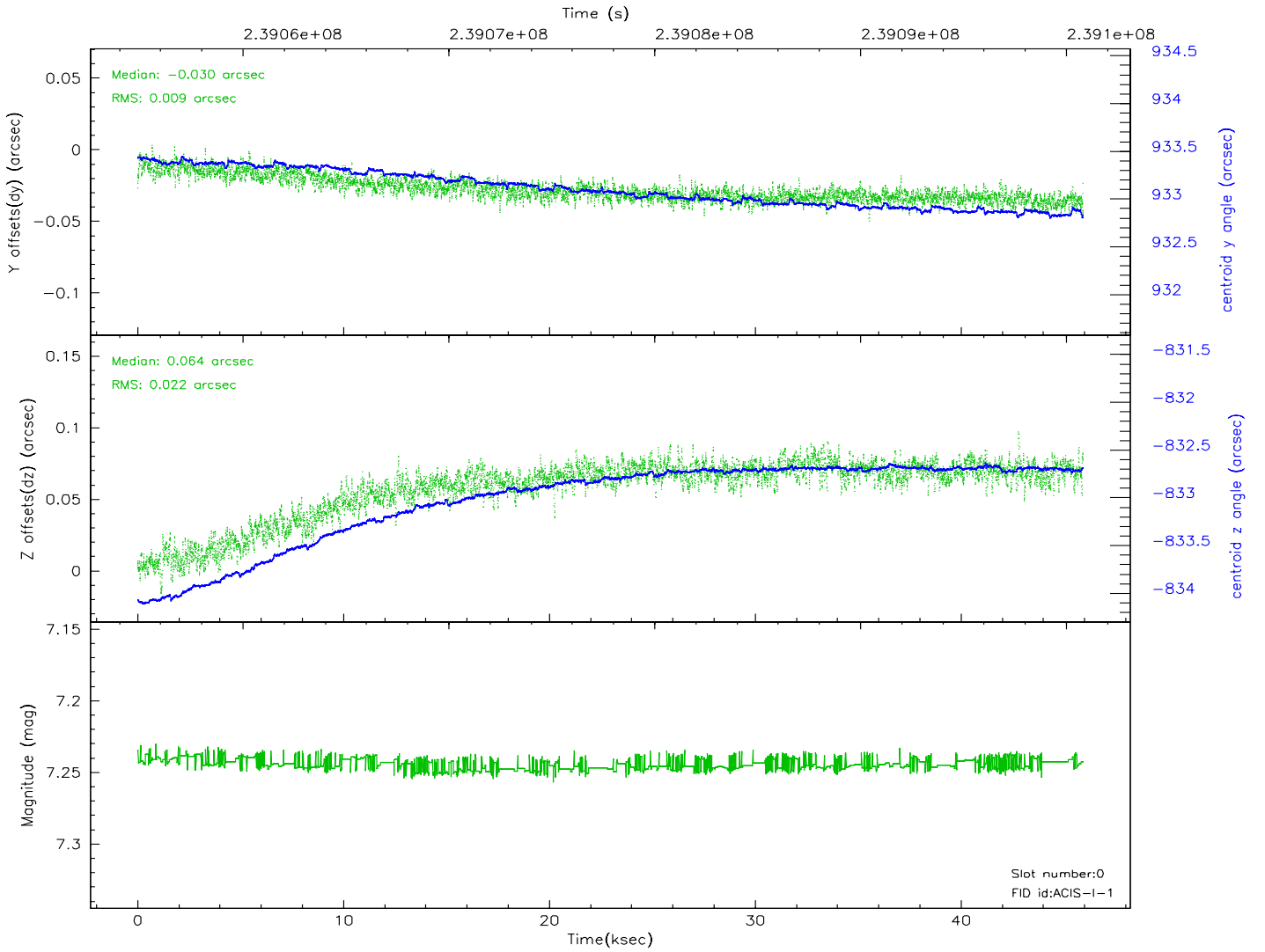
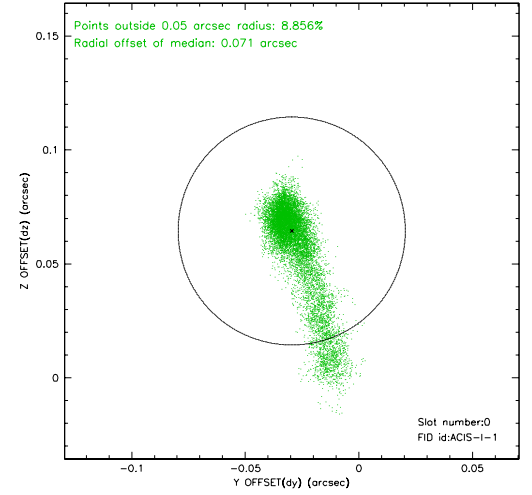
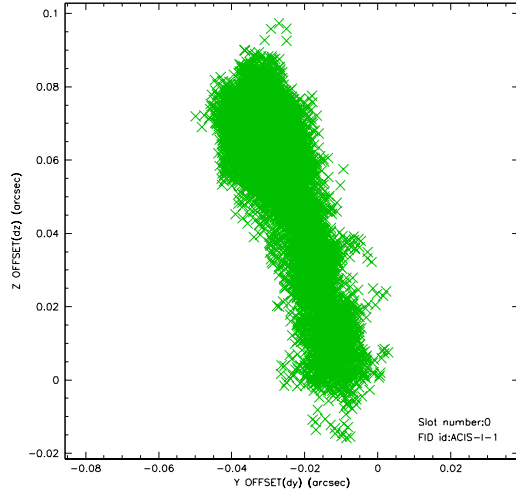


## 2.4.5 Slot 7

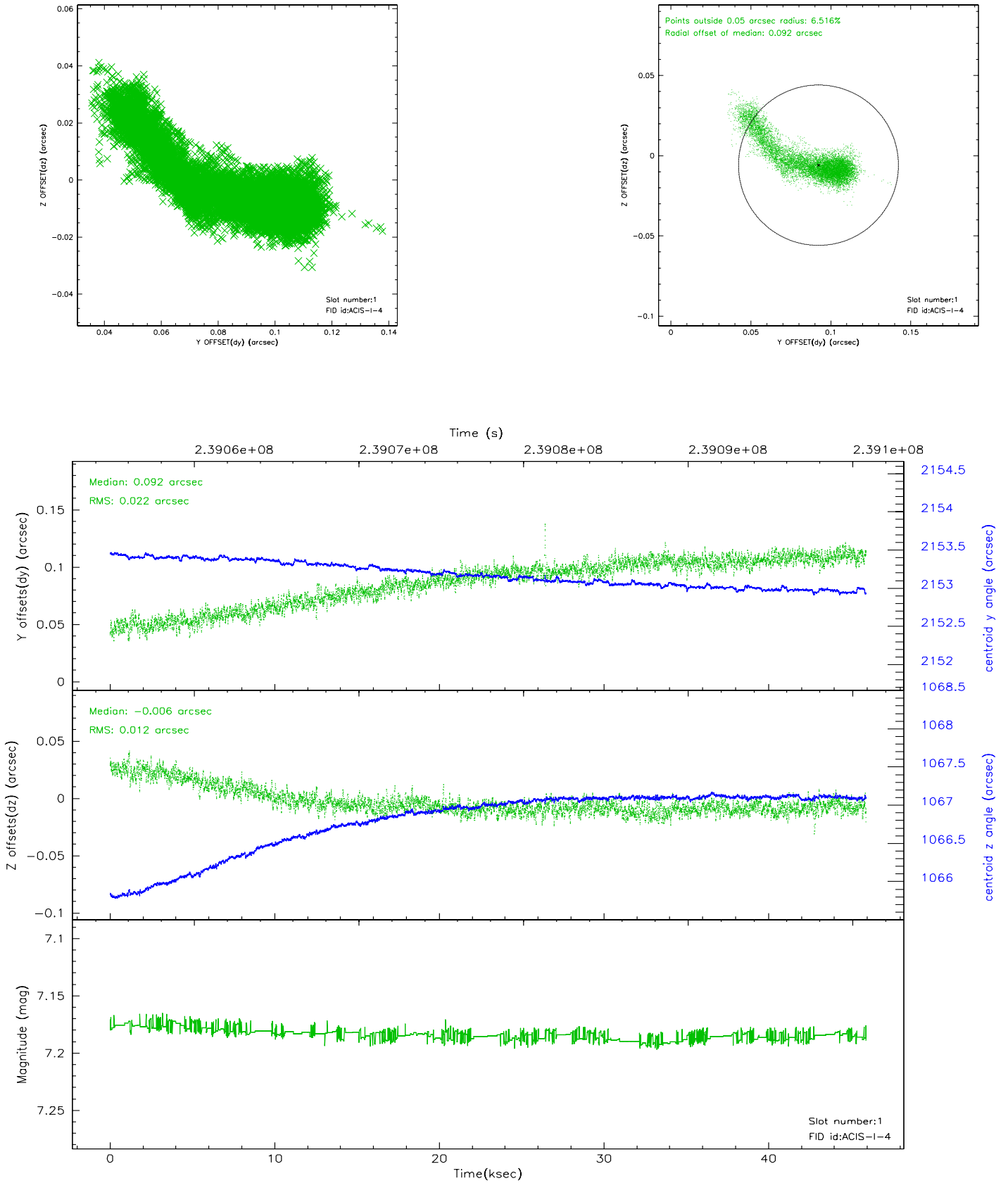


## 2.5 FID Slots

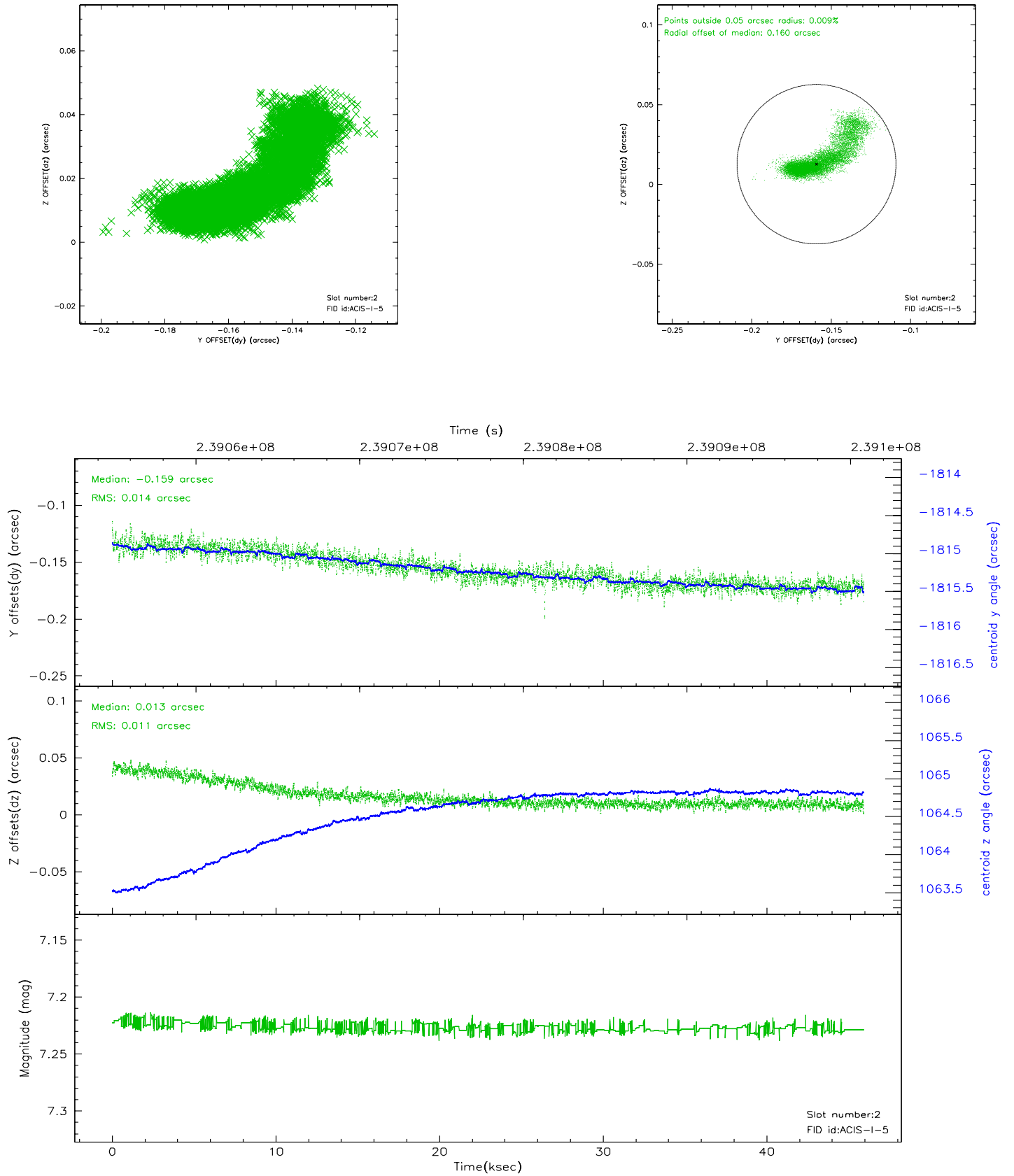
### 2.5.1 Slot 0



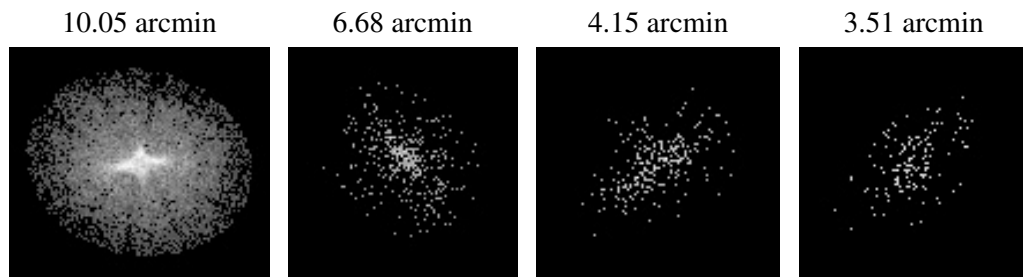
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.28594

### A.2 Comments

Window constraint met.