

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5953 - L2 Version 002  
Chandra X-Ray Center

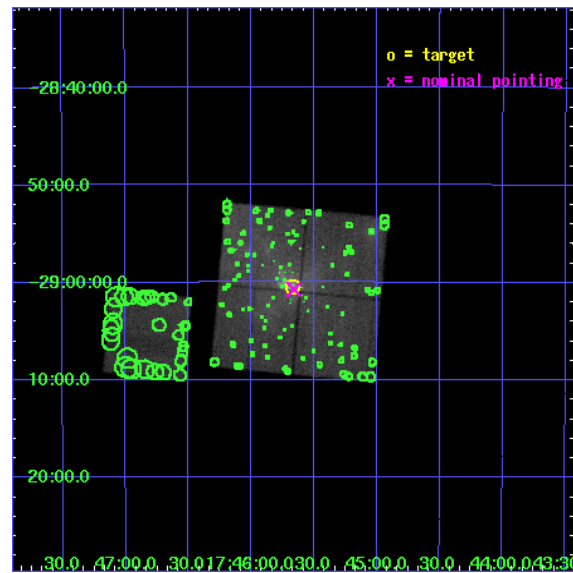
L2 Processing Date : Mar 16 2006

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# 1 Front

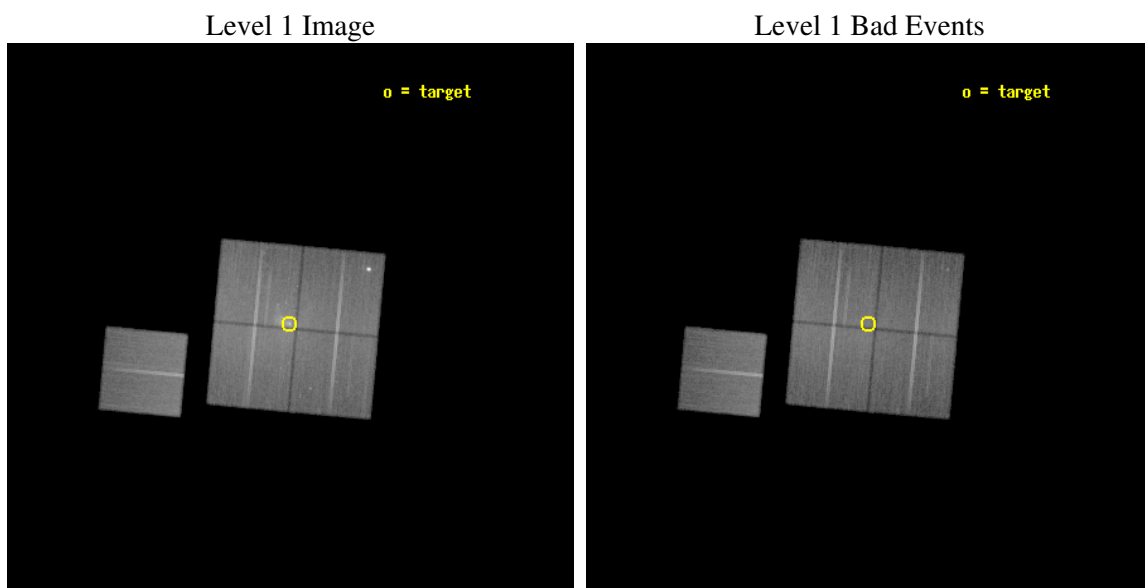
seq_num	600472
obs_id	5953
title	Simultaneous Gamma-Ray to Sub-Millimeter Monitoring of Sagittarius A*
observer	Dr. Frederick Baganoff
object	Sgr A*
dtcycle	0
cycle	P
ra_targ	266.416667
dec_targ	-29.007778
ra_nom	266.41505683761
dec_nom	-29.012183080377
roll_nom	275.28288647841
revision	2
ontime	45960.59991163
livetime	45360.090838083
ontime0	45938.612940073
ontime1	45960.59991163
ontime2	45960.59991163
ontime3	45960.59991163
ontime6	45960.59991163
l2events	443951



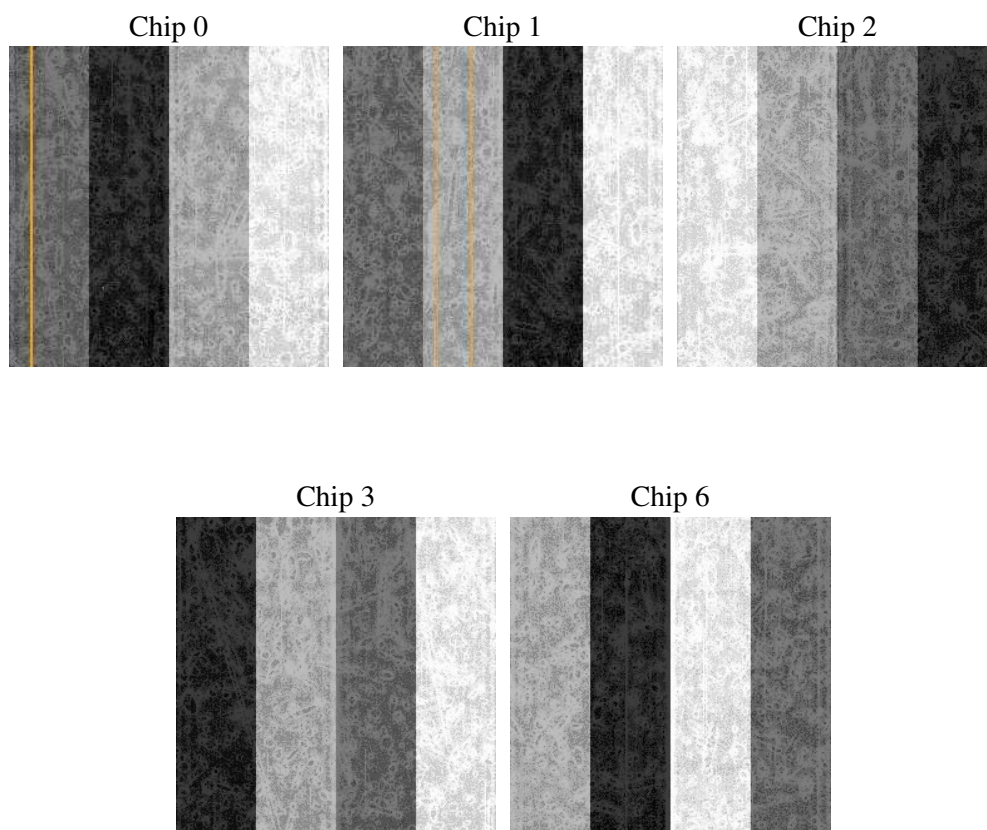
## 2 OBI

### 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	2006-03-16T01:41:08
revision	2

sched_exp_time	45800.000000
ontime	47799.922558427
ontime0	47777.935556978
ontime1	47799.922528535
ontime2	47799.922508627
ontime3	47799.922558427
ontime6	47799.922528535
l1events	2257323

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	402271	434366	478934	509456	432296
rejected events	314945	327102	379465	369278	367238
rejected %	78%	75%	79%	72%	84%

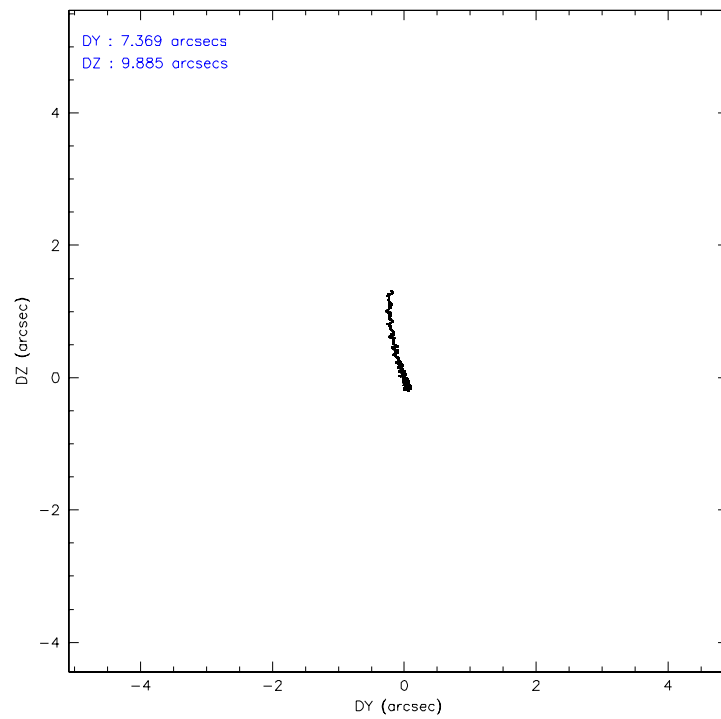
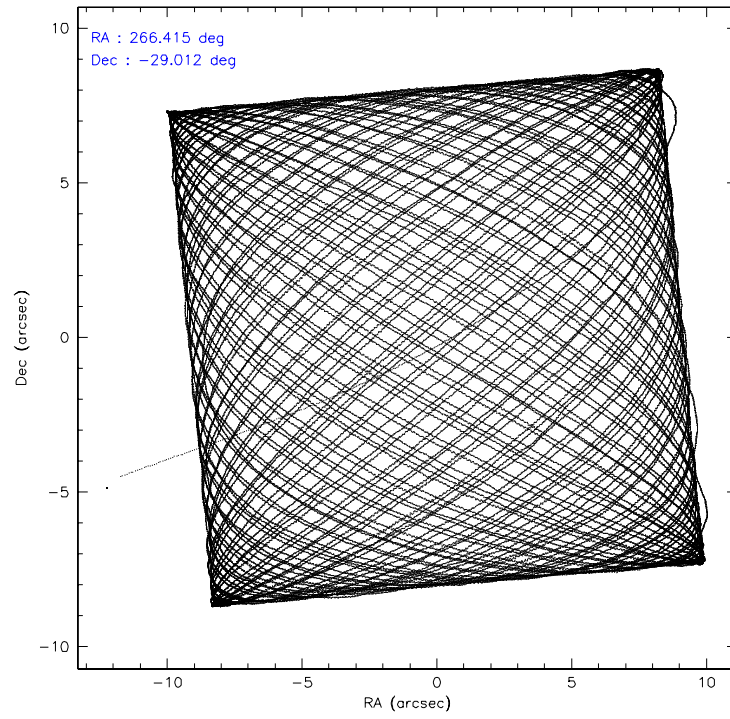
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	47471	58695	57515	85765	31404
	11%	13%	12%	16%	7%
grade 1 events	400	398	519	674	236
	0%	0%	0%	0%	0%
grade 2 events	18101	21180	19267	23100	14960
	4%	4%	4%	4%	3%
grade 3 events	6207	7409	6320	8896	4900
	1%	1%	1%	1%	1%
grade 4 events	5943	7305	6880	8807	4971
	1%	1%	1%	1%	1%
grade 5 events	14912	16055	14442	17080	17017
	3%	3%	3%	3%	3%
grade 6 events	11968	15187	12079	16013	11130
	2%	3%	2%	3%	2%
grade 7 events	297269	308137	361912	349121	347678
	73%	70%	75%	68%	80%

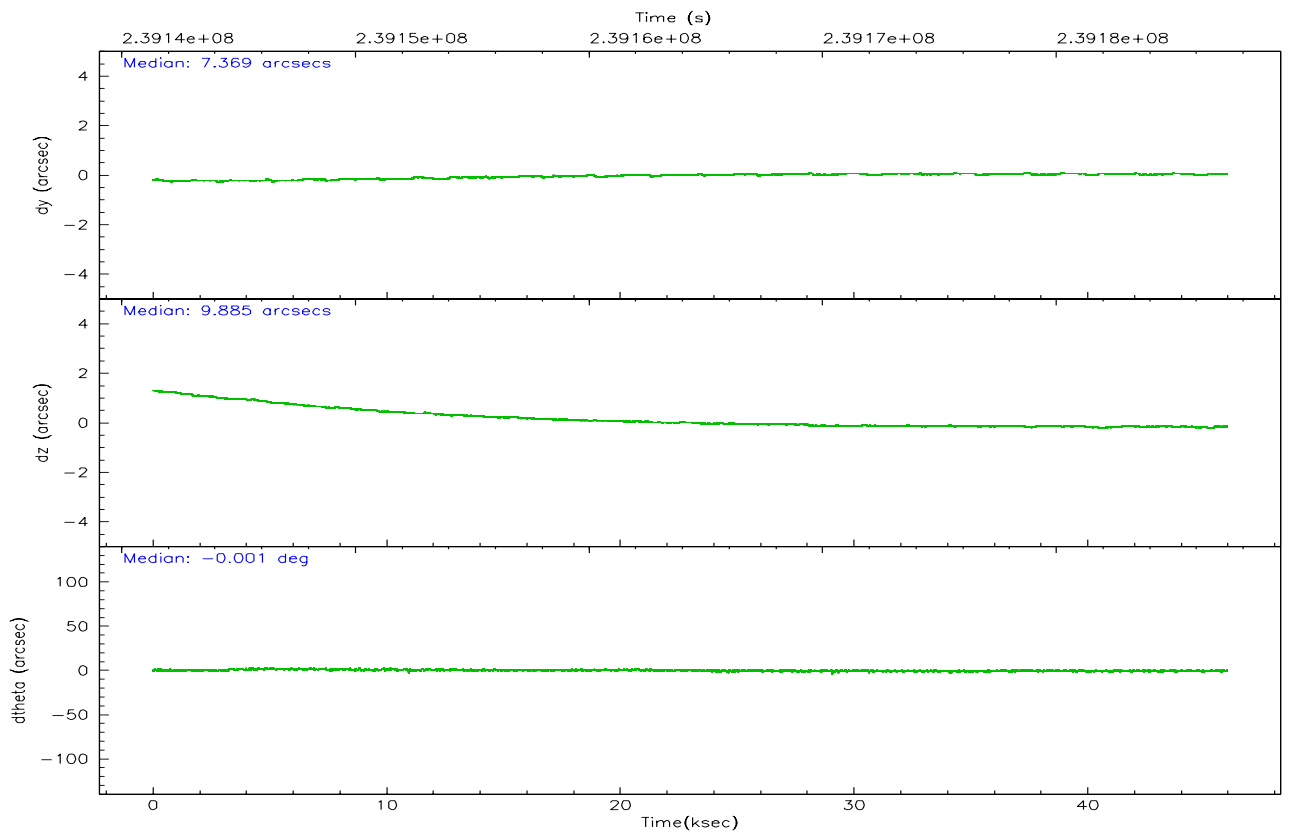
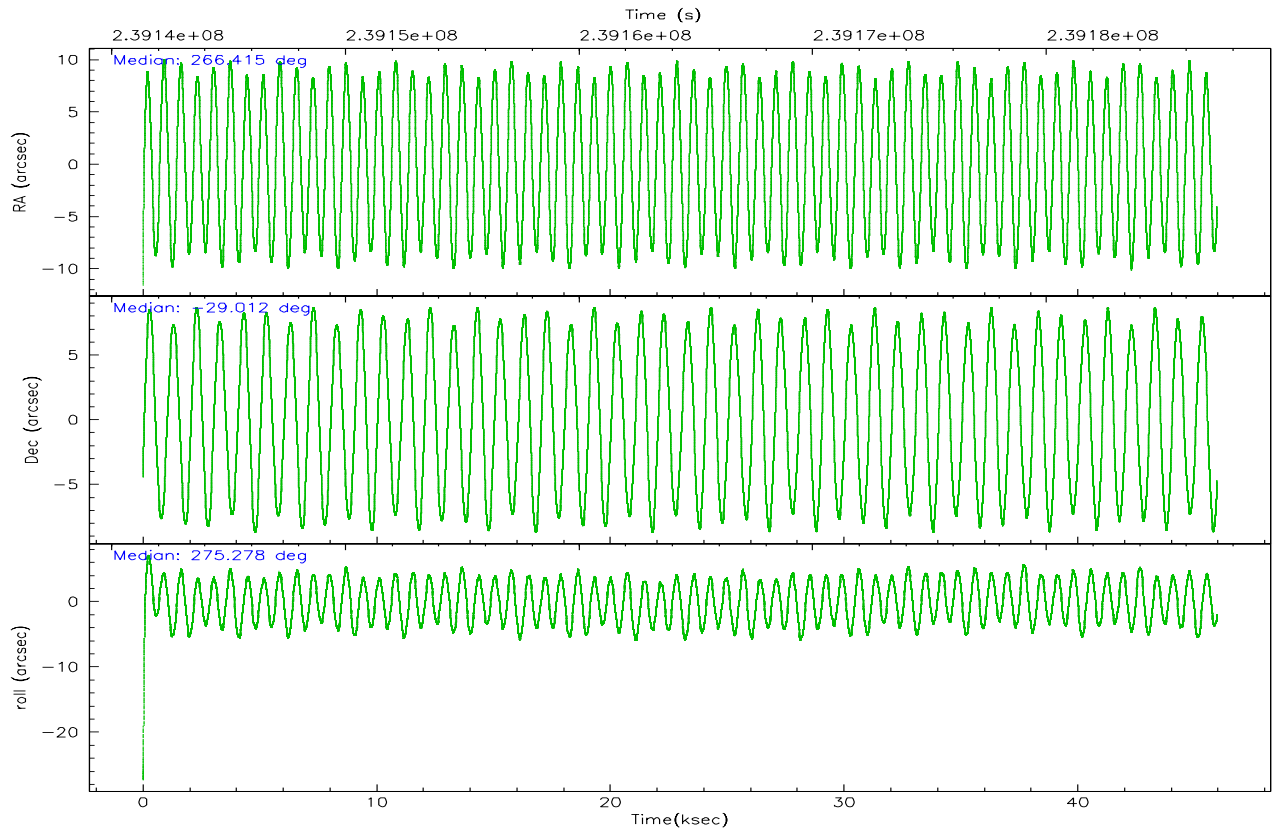


## 2.2 Compared Parameters

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	266.396872	266.4150568376133	Alternating exposures requested	N	N
Pointing Dec	-28.989898	-29.01218308037674	Primary exposure time	0.000000	3.1
Pointing Roll	275.065390	275.2828864784079			
Window start time	239138584.184000	239138584.184000			
Window stop time	239187604.184000	239187604.184000			
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	239141511.184000	239139511.15236			
Observation start date	2005-07-30T20:10:47	2005-07-30T19:38:31			
Observation end time	239187311.184000	239188352.4046			
Observation end date	2005-07-31T08:54:07	2005-07-31T09:12:32			
Read mode	TIMED	TIMED			

## 2.3 Aspect



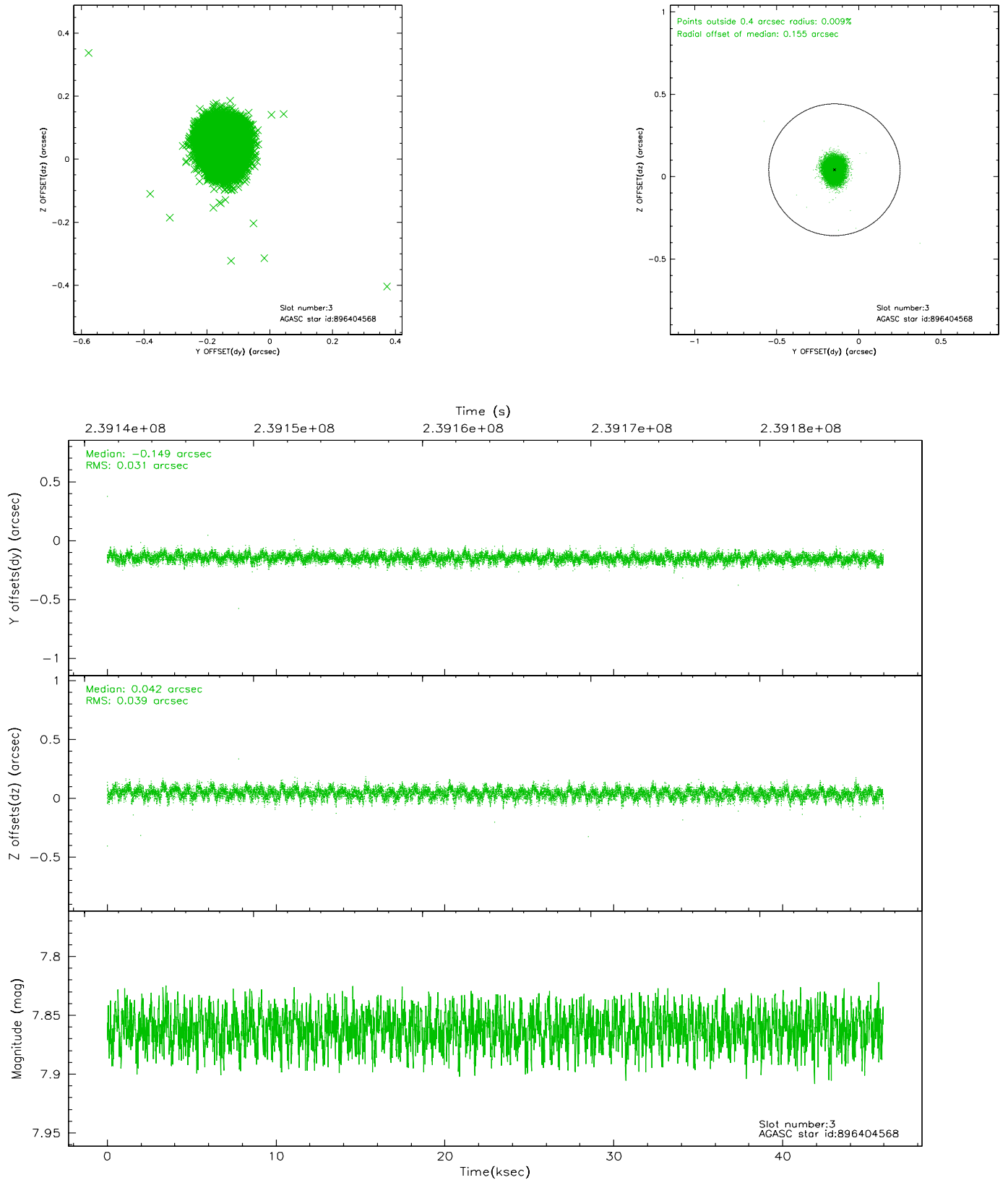


### Slot Statistics

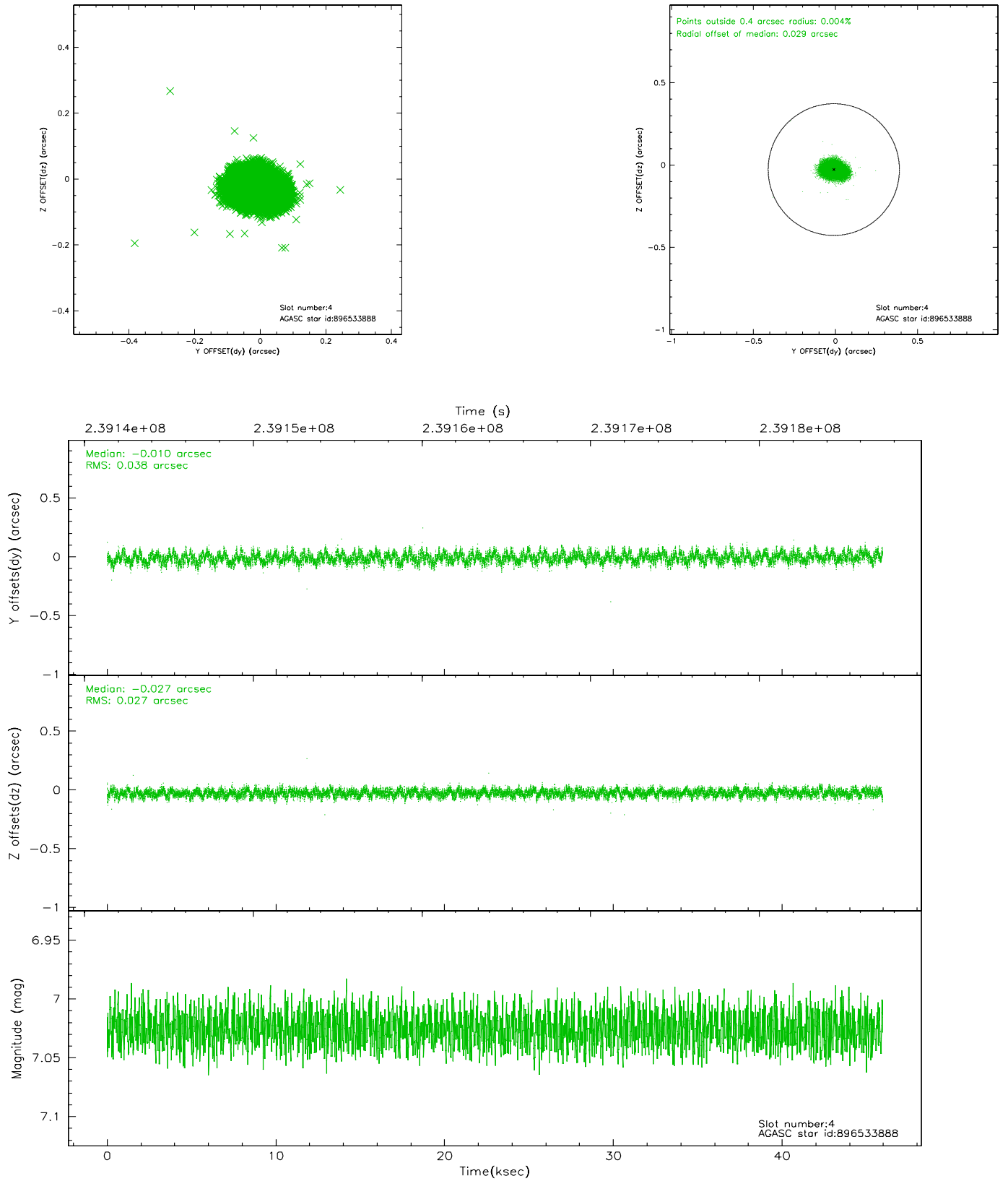
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	11209	-0.033	0.068	0.015	0.074	0.000000	0.000000	932.31	-833.48
1	FID	ACIS-I-4	7.19	11209	0.110	-0.006	0.018	0.057	0.000000	0.000000	2152.51	1066.25
2	FID	ACIS-I-5	7.23	11210	-0.174	0.010	0.013	0.036	0.000000	0.000000	-1815.82	1064.16
3	GUIDE	896404568	7.86	22419	-0.149	0.042	0.053	0.086	265.687293	-28.431080	-2195.36	-2060.67
4	GUIDE	896533888	7.02	22420	-0.010	-0.027	0.050	0.081	266.666434	-29.392757	1520.33	714.25
5	GUIDE	896534664	8.19	22416	0.209	-0.112	0.053	0.087	266.405570	-28.407461	-2085.65	212.48
6	GUIDE	896540808	7.48	22422	0.023	0.065	0.051	0.081	265.985401	-29.308604	1031.37	-1387.84
7	GUIDE	896541576	8.19	22418	-0.075	0.033	0.058	0.090	267.051055	-28.762912	-625.98	2128.15

## 2.4 Star Slots

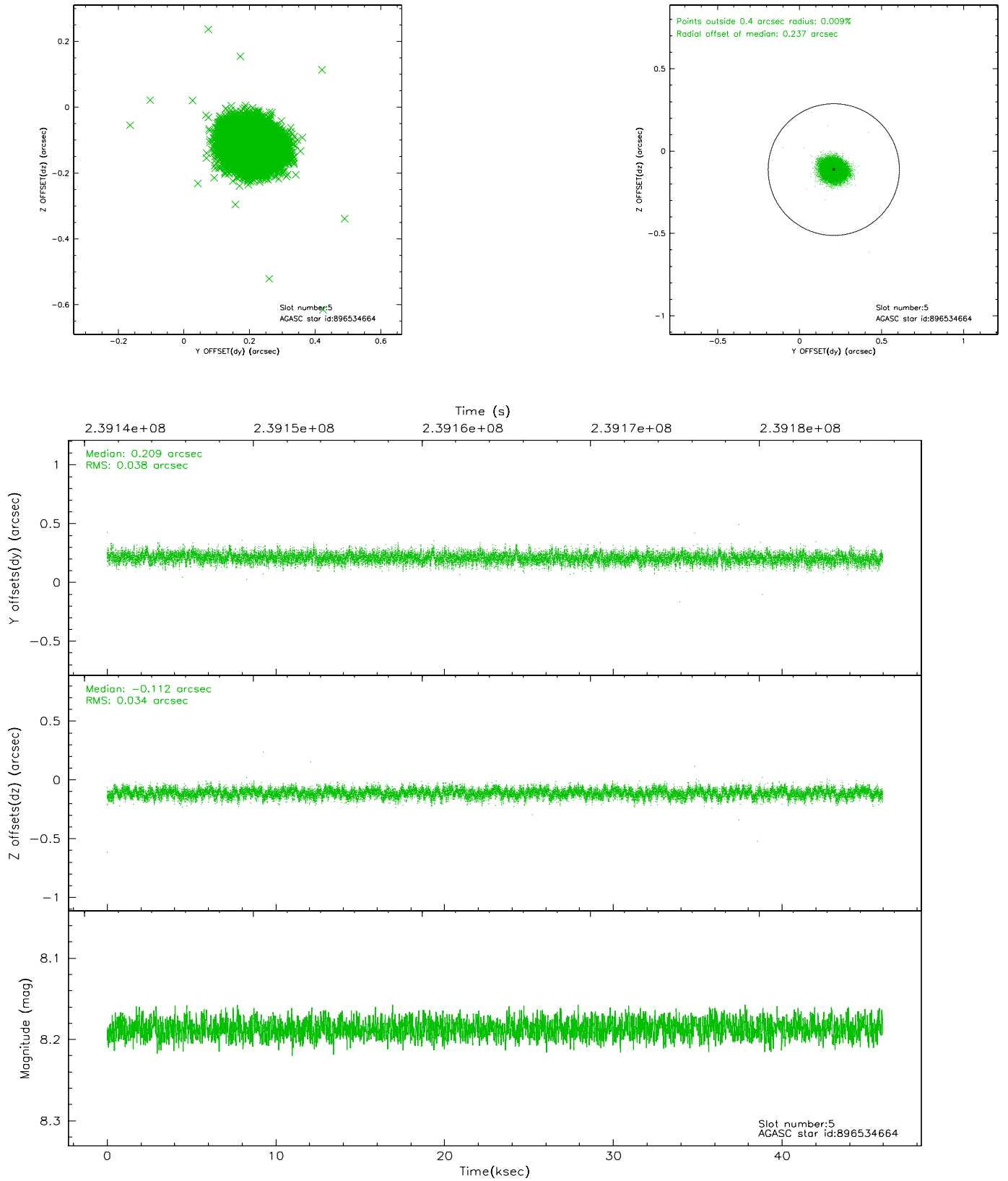
### 2.4.1 Slot 3



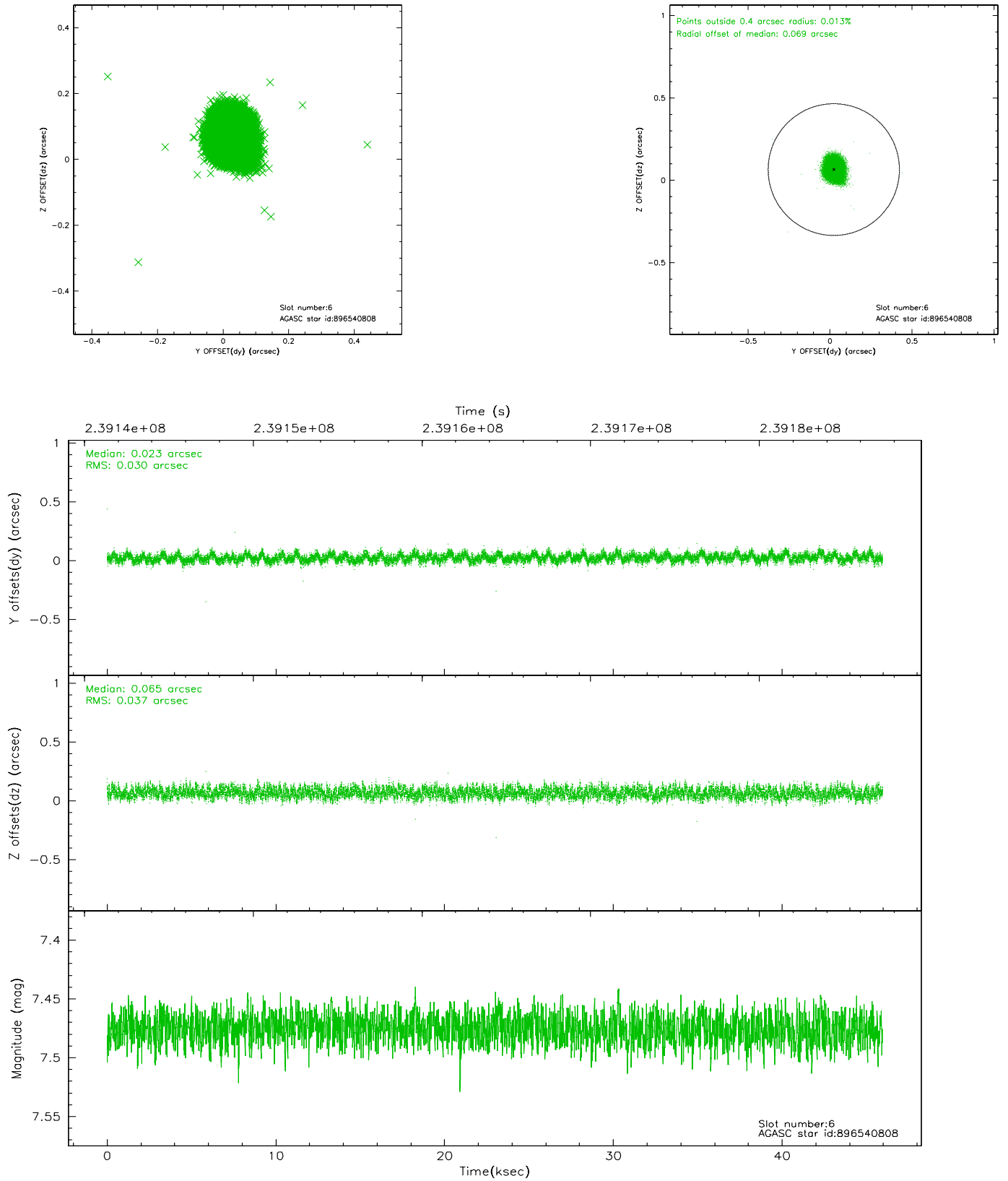
## 2.4.2 Slot 4



### 2.4.3 Slot 5

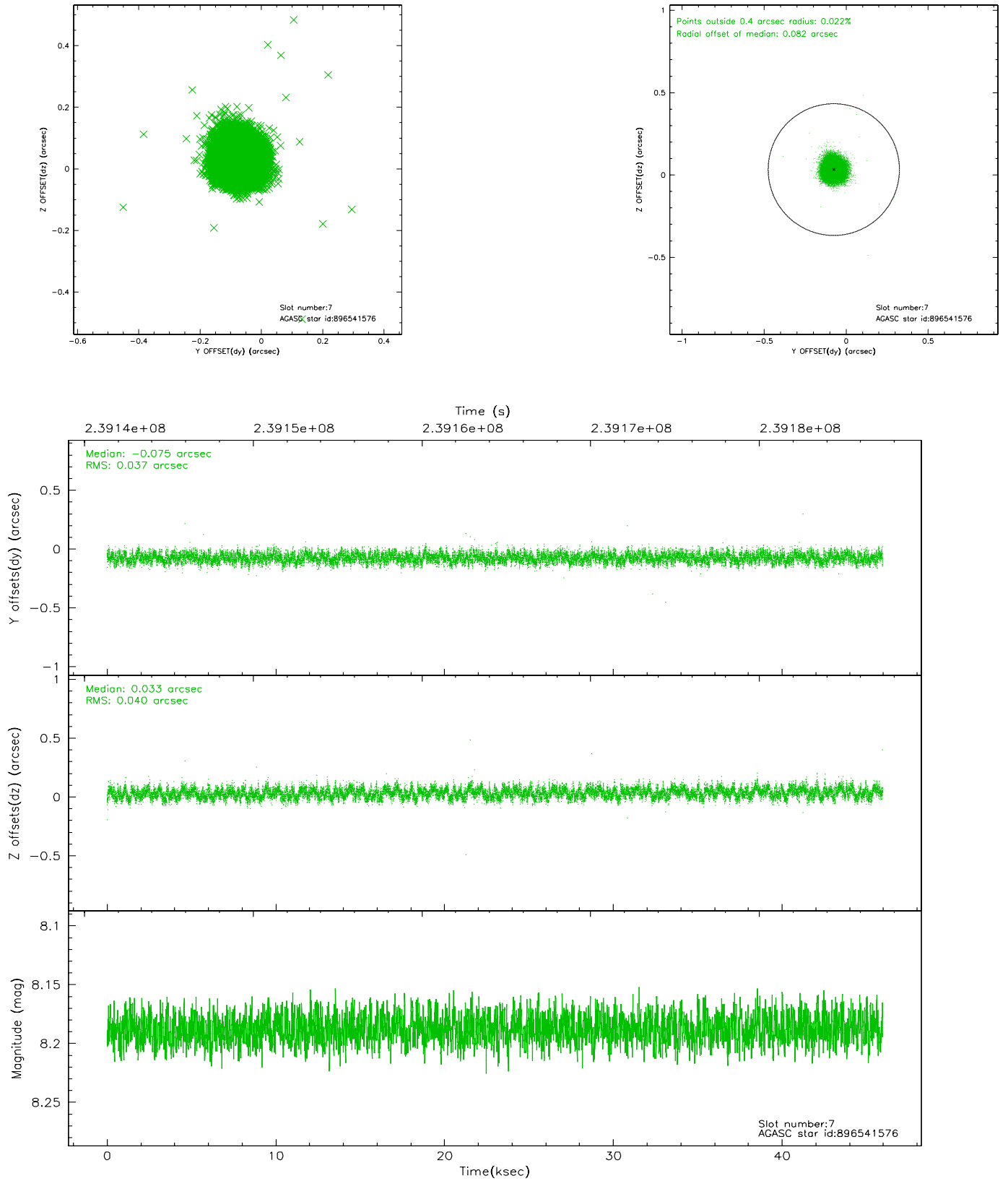


## 2.4.4 Slot 6



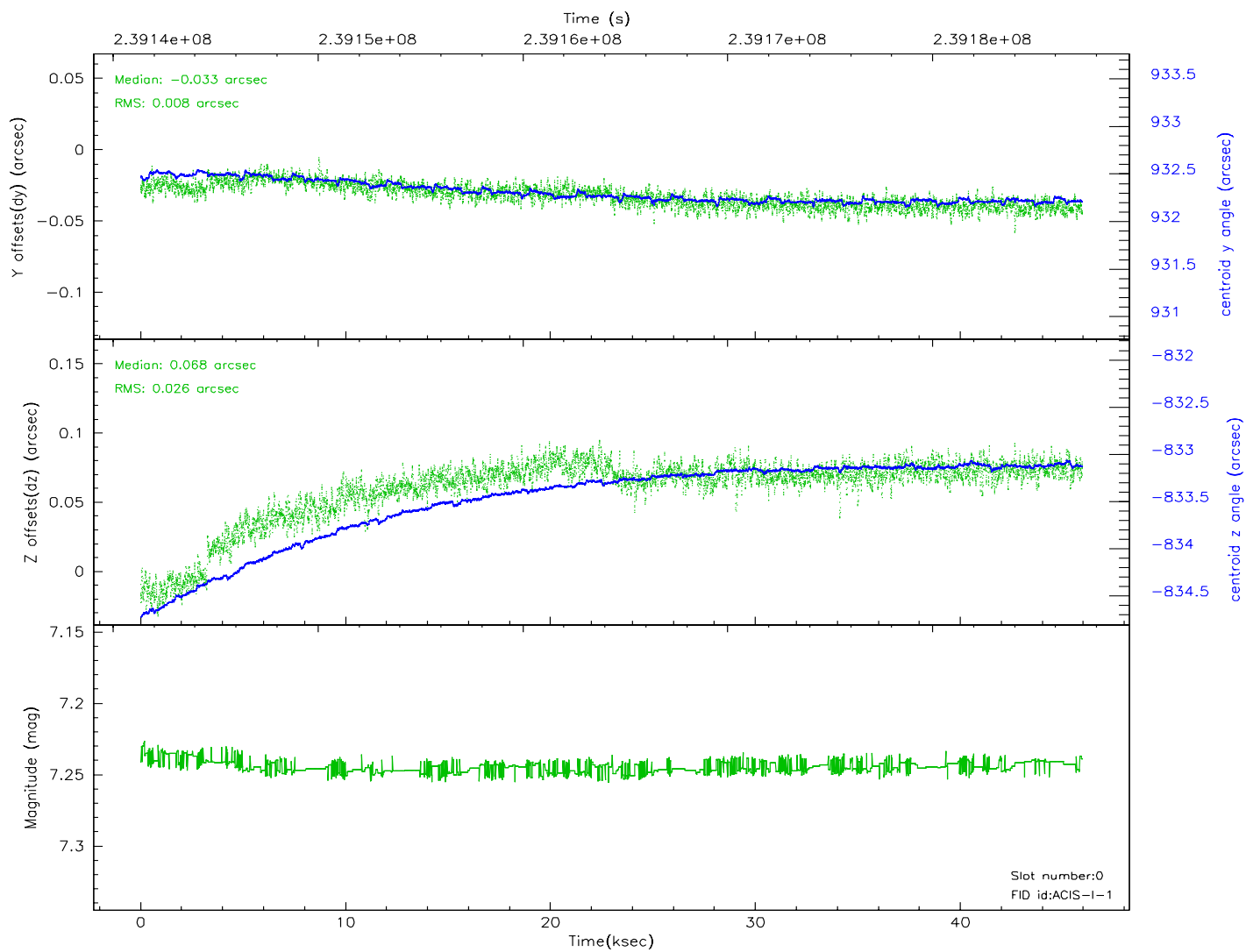
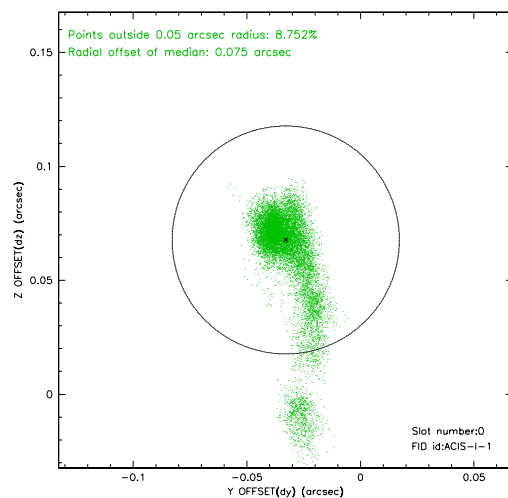
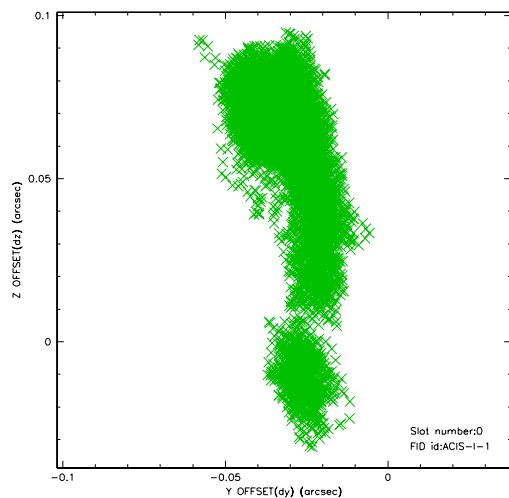


## 2.4.5 Slot 7

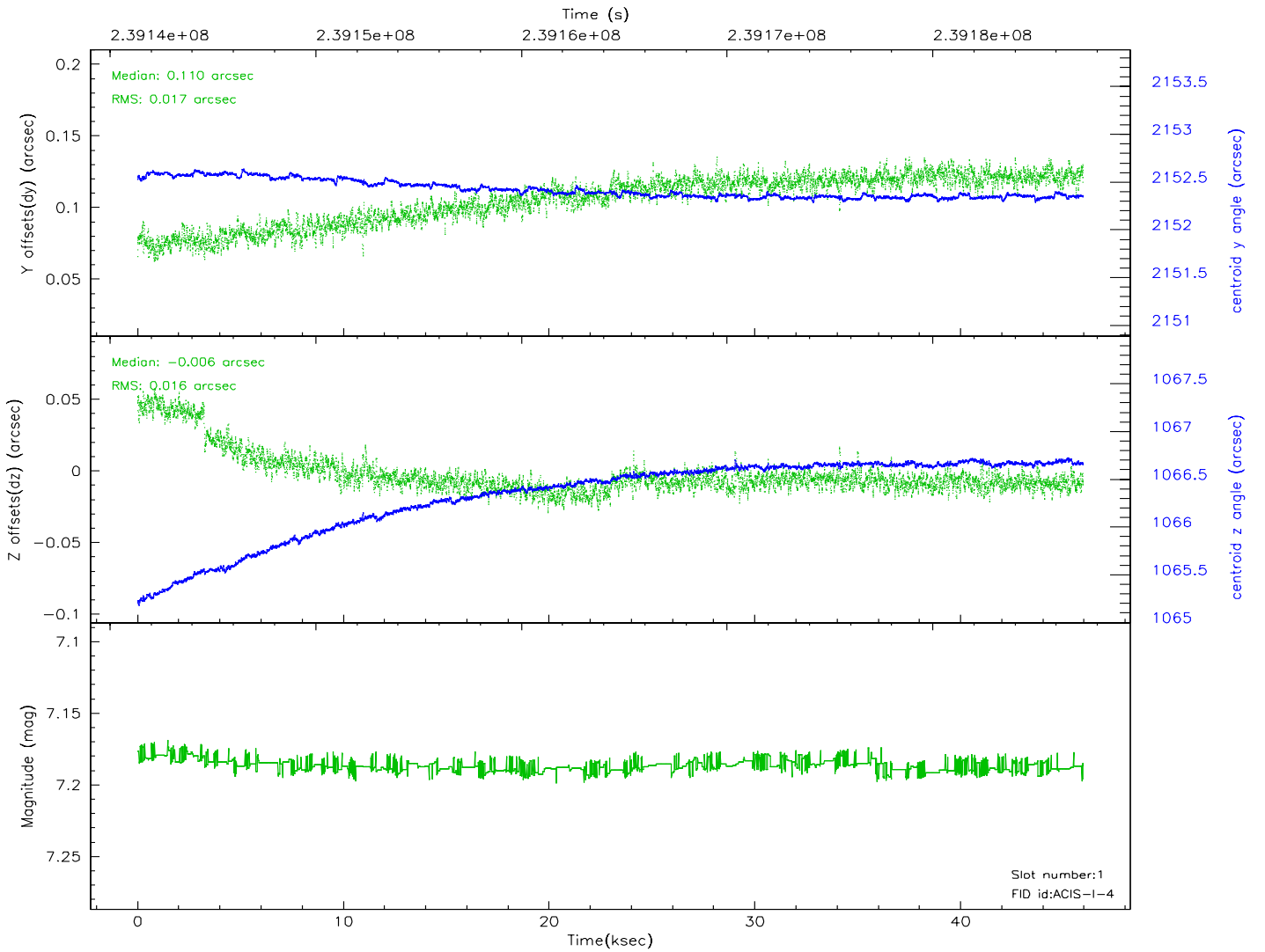
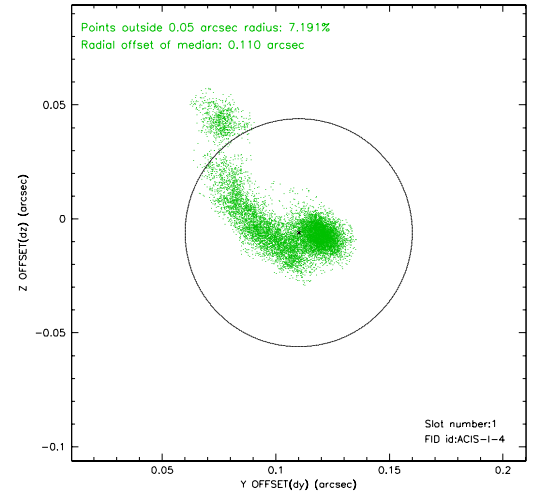
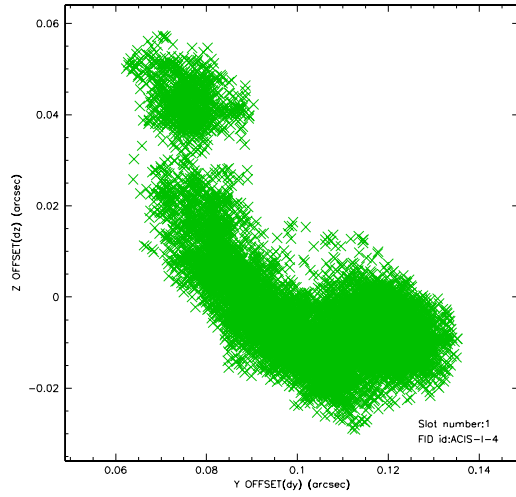


## 2.5 FID Slots

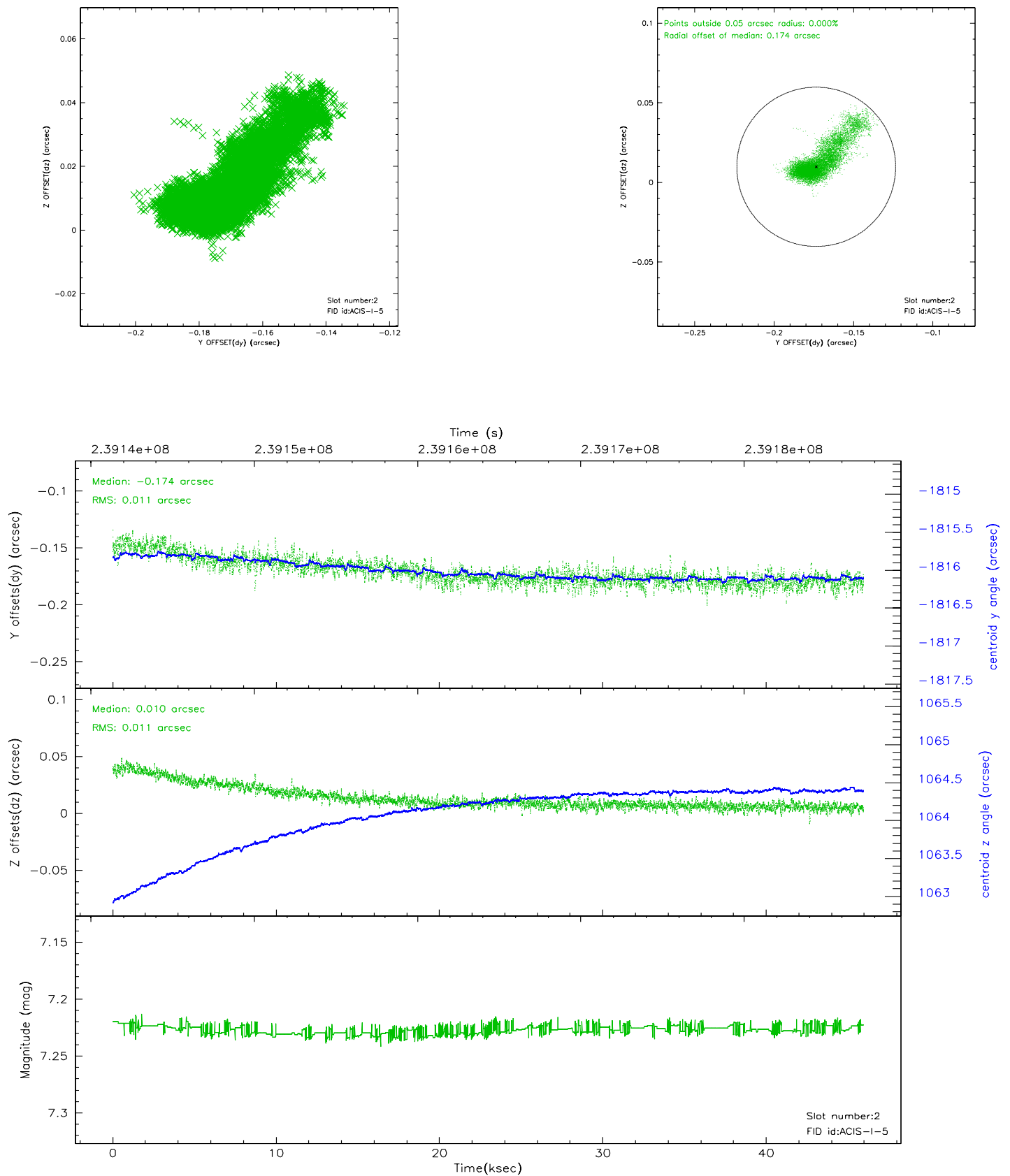
### 2.5.1 Slot 0



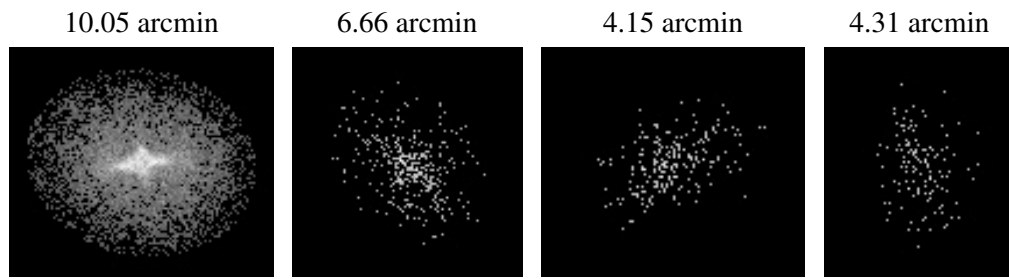
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.9606

### A.2 Comments

Window constraint met.