

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5895 - L2 Version 002  
Chandra X-Ray Center

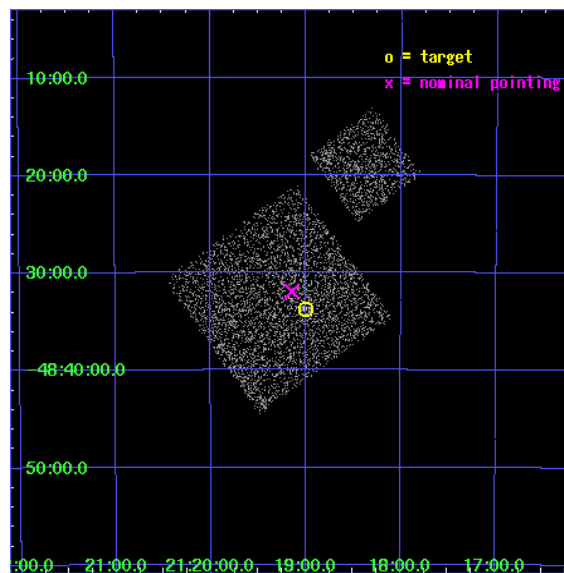
L2 Processing Date : Mar 14 2006

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# 1 Front

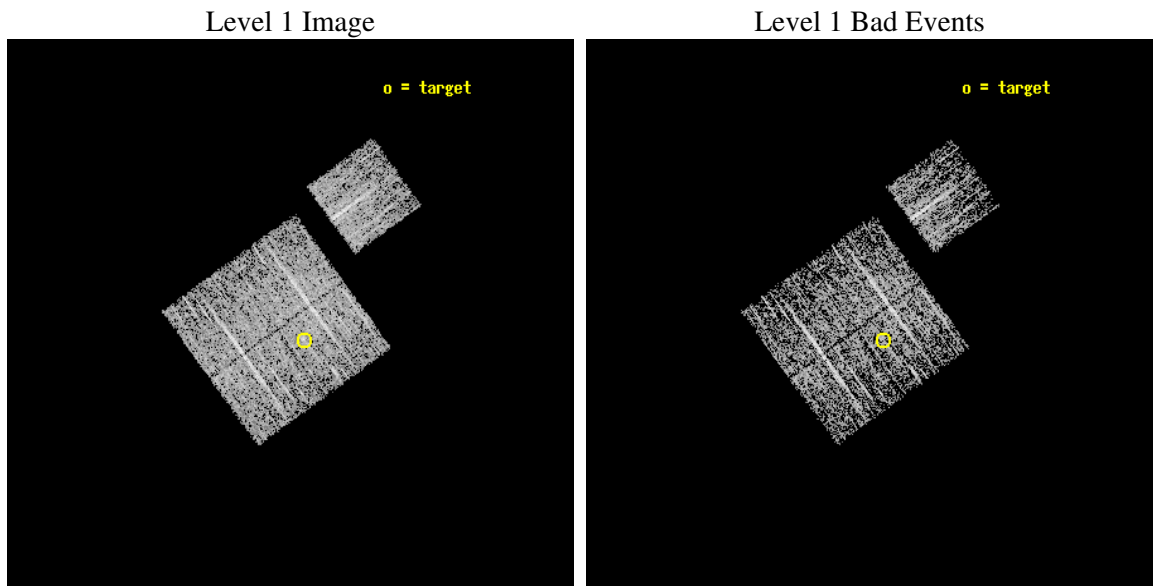
seq_num	600414
obs_id	5895
title	Testing Formation Models and Heating and Feedback Mechanisms In Galaxy Groups
observer	Dr. Steven Murray
object	NGC7049
dtcycle	0
cycle	P
ra_targ	319.750833
dec_targ	-48.561944
ra_nom	319.78643150764
dec_nom	-48.532604466644
roll_nom	54.160697388104
revision	2
ontime	2176.1999958158
livedtime	2147.7663407753
ontime0	2176.1999958158
ontime1	2176.1999958158
ontime2	2176.1999958158
ontime3	2176.1999958158
ontime6	2176.1999958158
l2events	6228



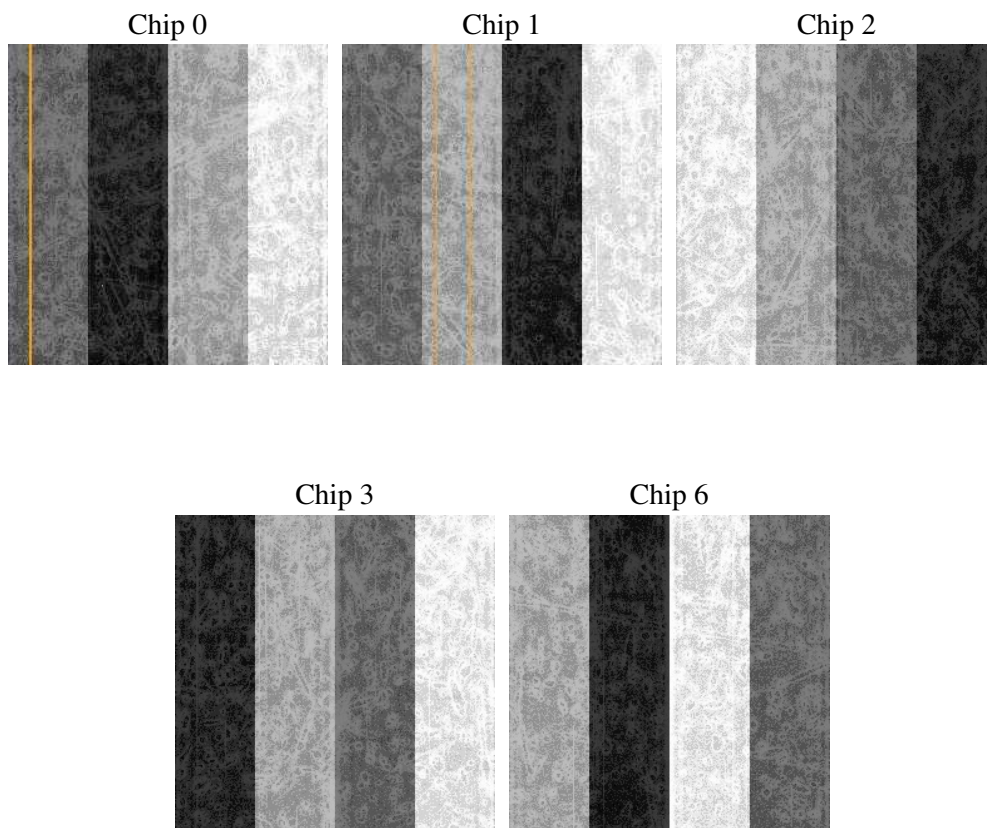
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-14T10:57:56
revision	2

sched_exp_time	2000.000000
ontime	2497.105664432
ontime0	2497.105664432
ontime1	2497.105664432
ontime2	2497.1056445241
ontime3	2497.105664432
ontime6	2497.105664432
l1events	81360

### 2.1.4 Events

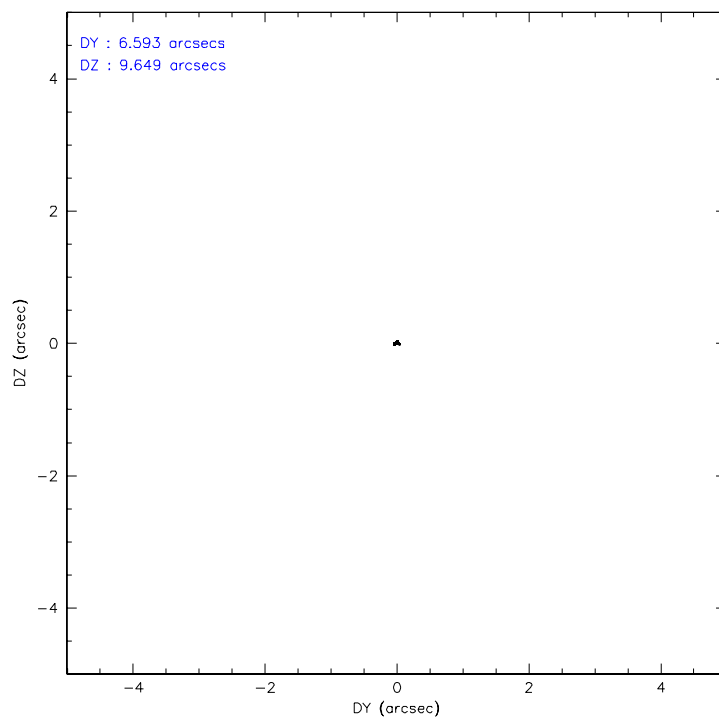
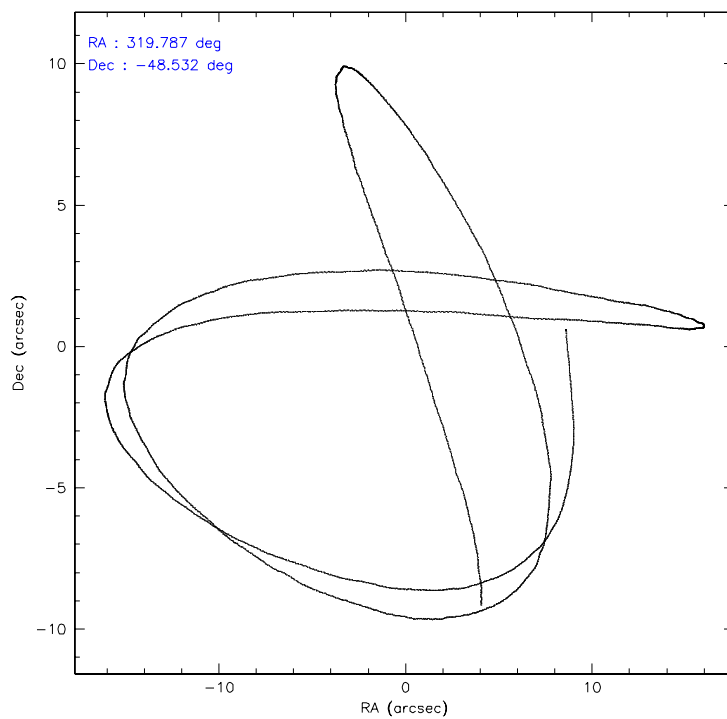
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	15862	15698	16870	16740	16190
rejected events	14442	14035	15485	15196	14776
rejected %	91%	89%	91%	90%	91%

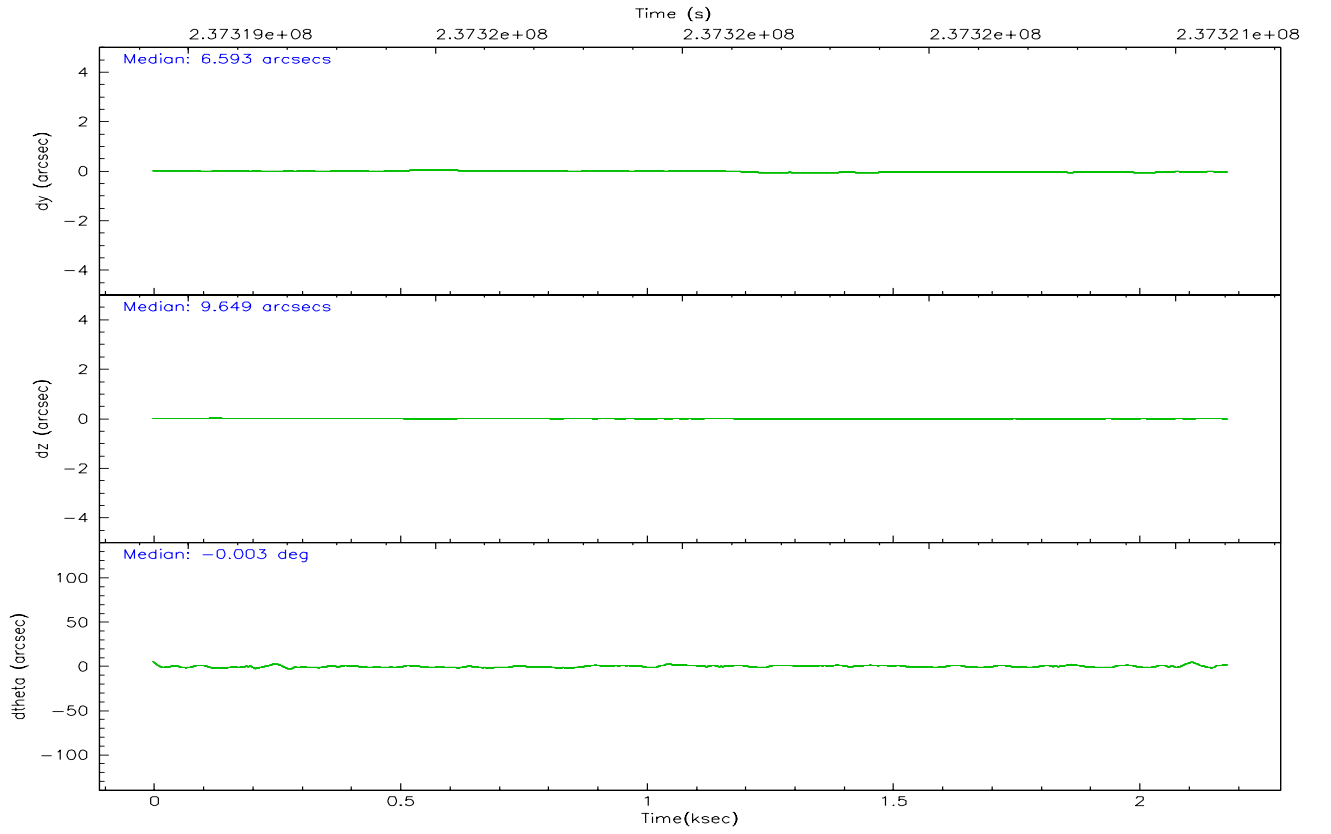
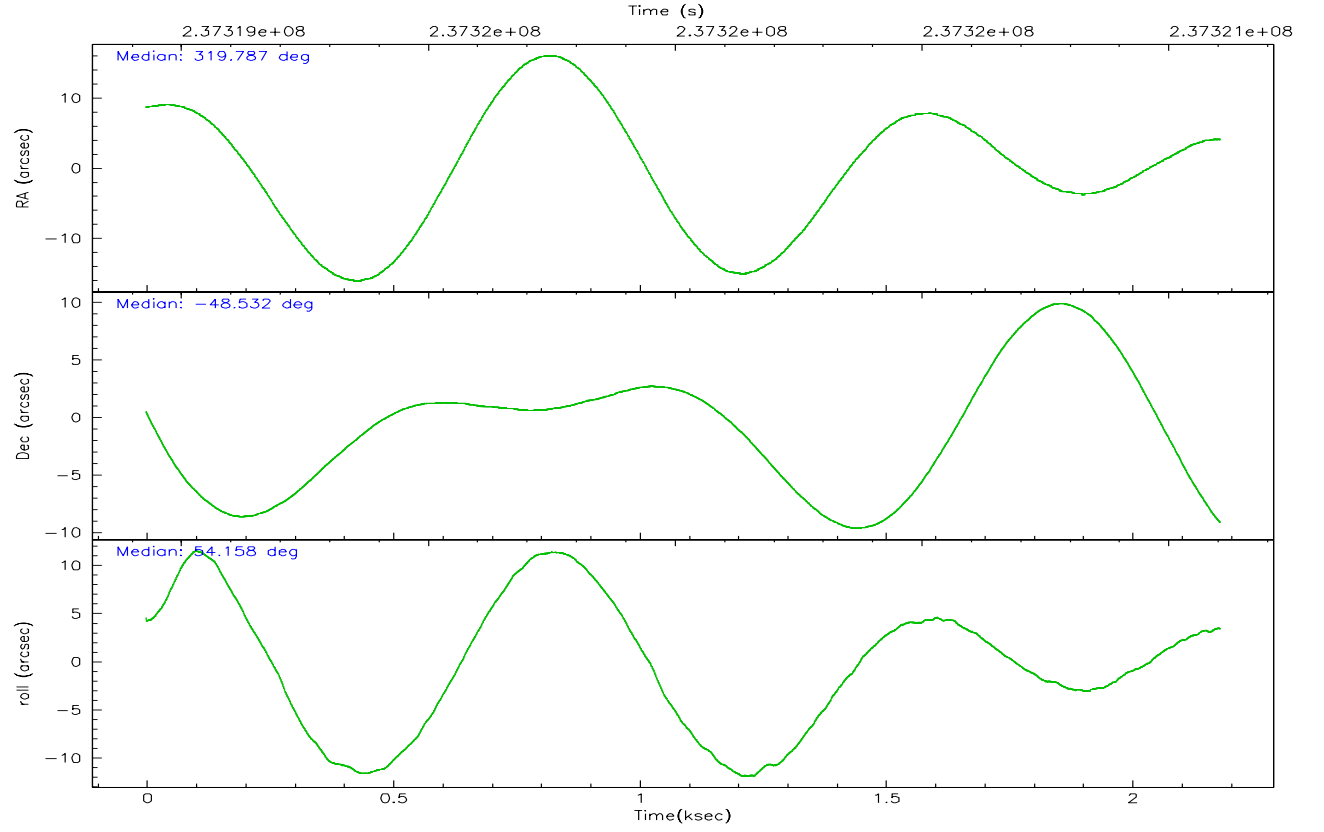
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	584	704	640	678	575
	3%	4%	3%	4%	3%
grade 1 events	11	10	8	10	6
	0%	0%	0%	0%	0%
grade 2 events	390	409	362	368	342
	2%	2%	2%	2%	2%
grade 3 events	190	201	170	199	183
	1%	1%	1%	1%	1%
grade 4 events	181	230	161	216	155
	1%	1%	0%	1%	0%
grade 5 events	668	662	558	663	645
	4%	4%	3%	3%	3%
grade 6 events	320	366	268	296	351
	2%	2%	1%	1%	2%
grade 7 events	13518	13116	14703	14310	13933
	85%	83%	87%	85%	86%

## 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	319.782427	319.7864315076414	Alternating exposures requested	N	N
Pointing Dec	-48.559856	-48.53260446664447	Primary exposure time	0.000000	3.1
Pointing Roll	53.949001	54.16069738810366			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-230.592463	-230.5928849366707			
SIM translation stage offset (mm)	-3	-2.999568066258945			
Observation start time	237319105.184000	237317955.38148			
Observation start date	2005-07-09T17:57:21	2005-07-09T17:39:15			
Observation end time	237321105.184000	237322011.81917			
Observation end date	2005-07-09T18:30:41	2005-07-09T18:46:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect





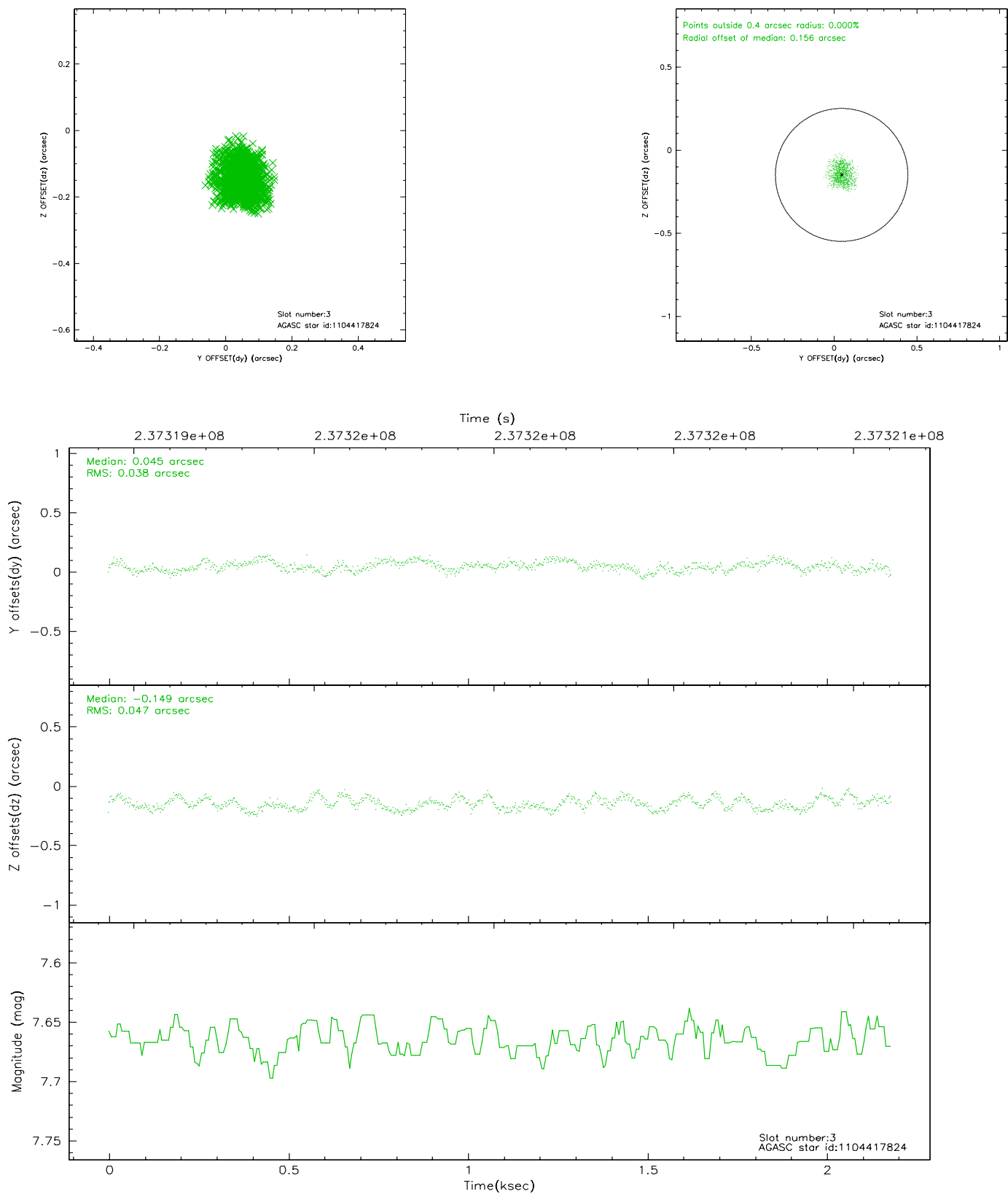
### Slot Statistics

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	532	0.001	-0.037	0.010	0.016	0.000000	0.000000	933.07	-894.65
1	FID	ACIS-I-2	7.17	532	-0.157	-0.015	0.007	0.012	0.000000	0.000000	-759.66	-902.30
2	FID	ACIS-I-4	7.16	531	0.059	0.119	0.007	0.011	0.000000	0.000000	2151.46	1004.08
3	GUIDE	1104417824	7.67	1065	0.045	-0.149	0.068	0.098	319.323736	-48.707381	-1073.23	566.39
4	GUIDE	1104419120	8.61	1065	0.015	0.082	0.082	0.125	319.338612	-48.069057	796.76	1901.91
5	GUIDE	1104550048	6.75	1065	-0.562	-0.172	0.062	0.095	320.688690	-48.457406	1561.48	-1538.01
6	GUIDE	1104939328	8.50	1065	0.274	0.230	0.107	0.168	320.456426	-48.796613	247.51	-1799.51
7	GUIDE	1104941136	7.68	1064	0.242	0.004	0.060	0.098	319.851095	-49.398480	-2345.68	-1908.81

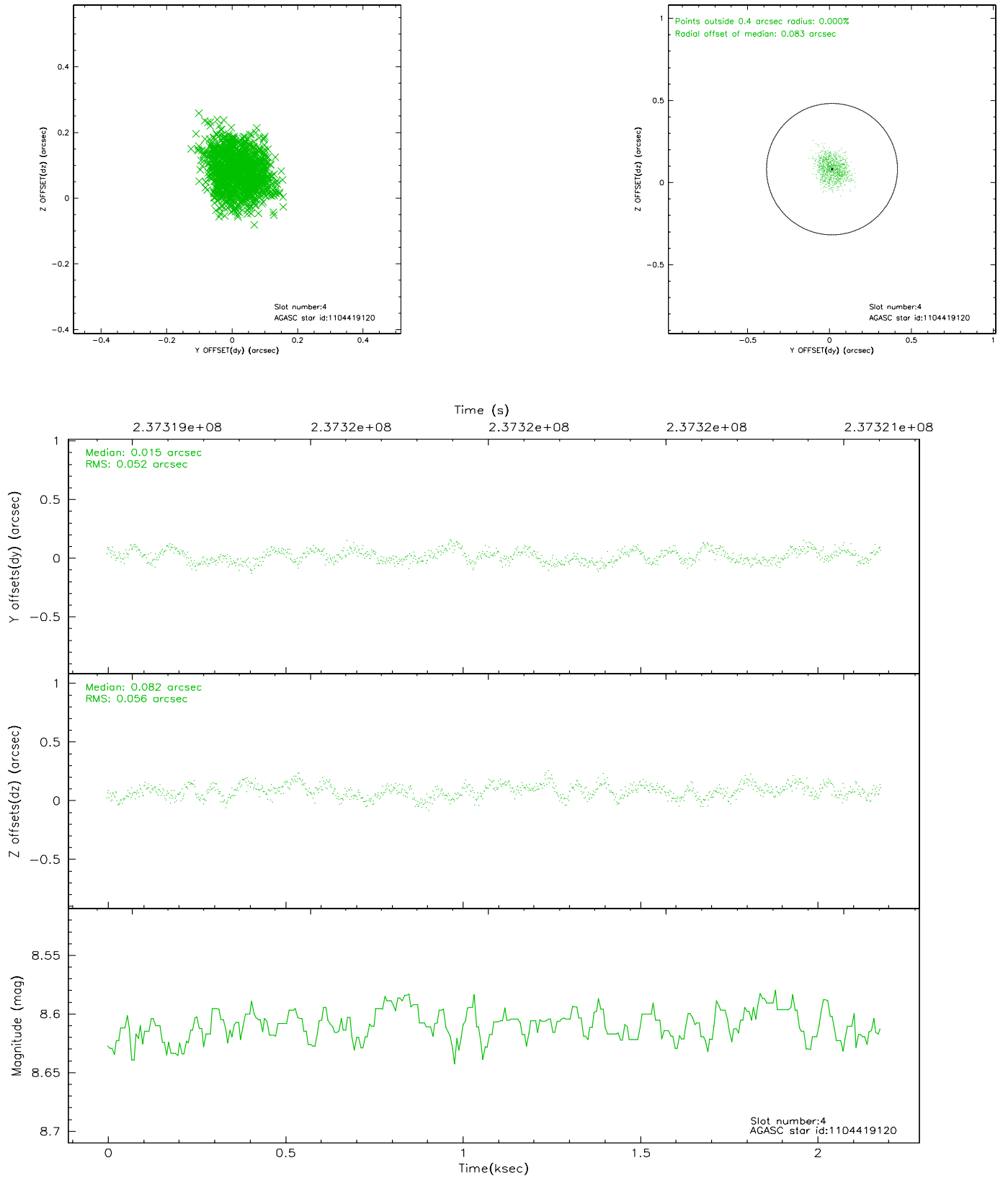


## 2.4 Star Slots

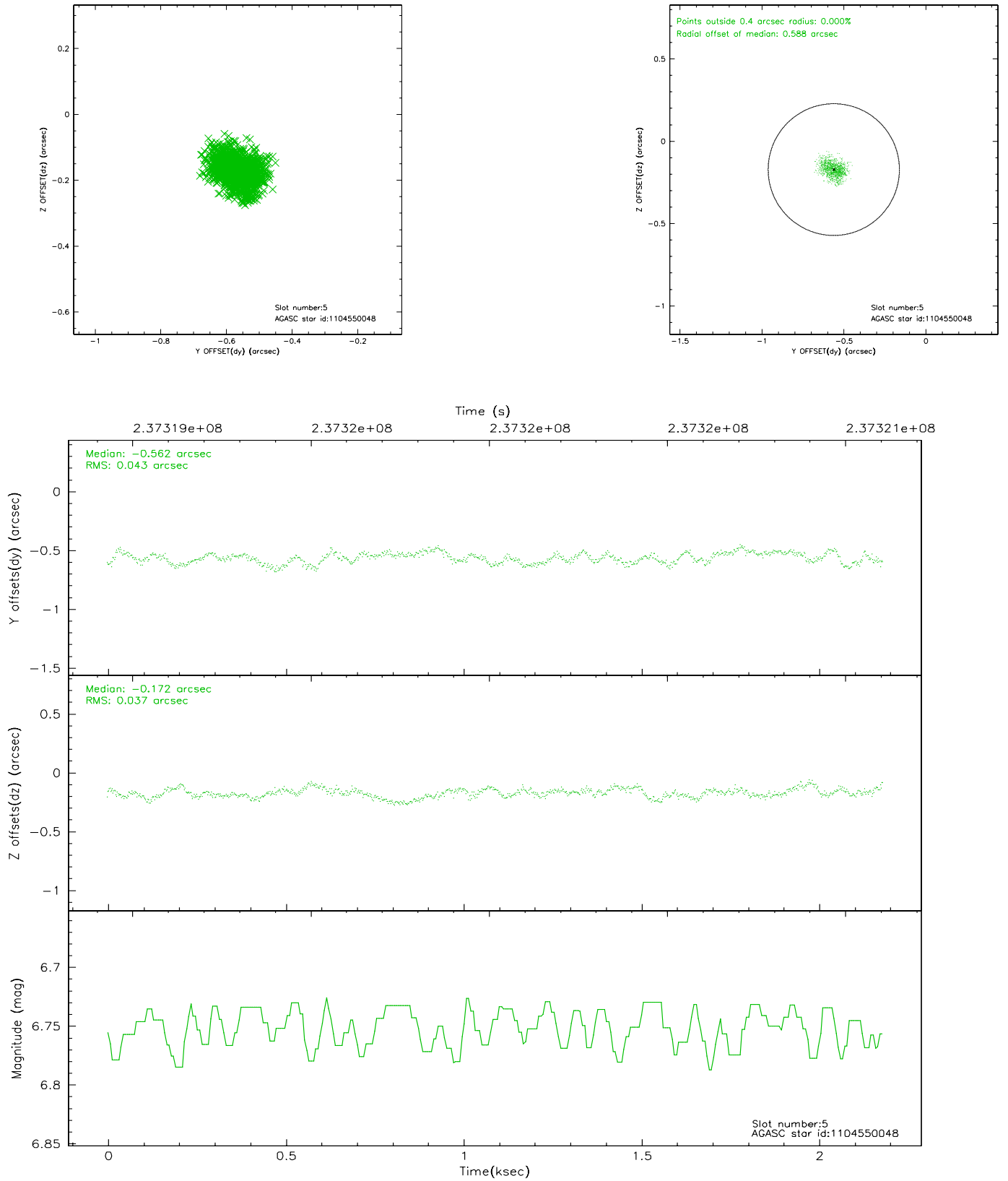
### 2.4.1 Slot 3



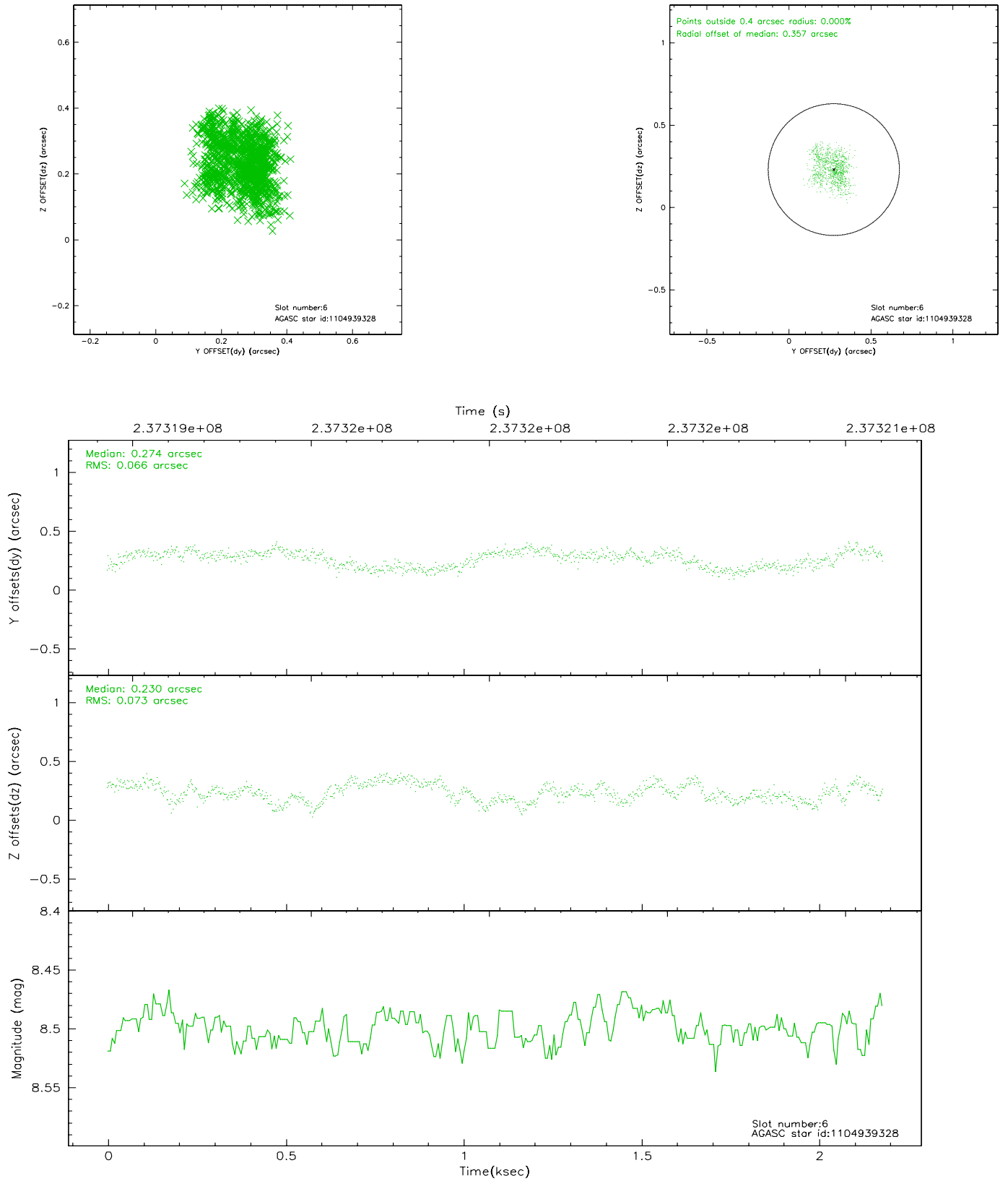
## 2.4.2 Slot 4



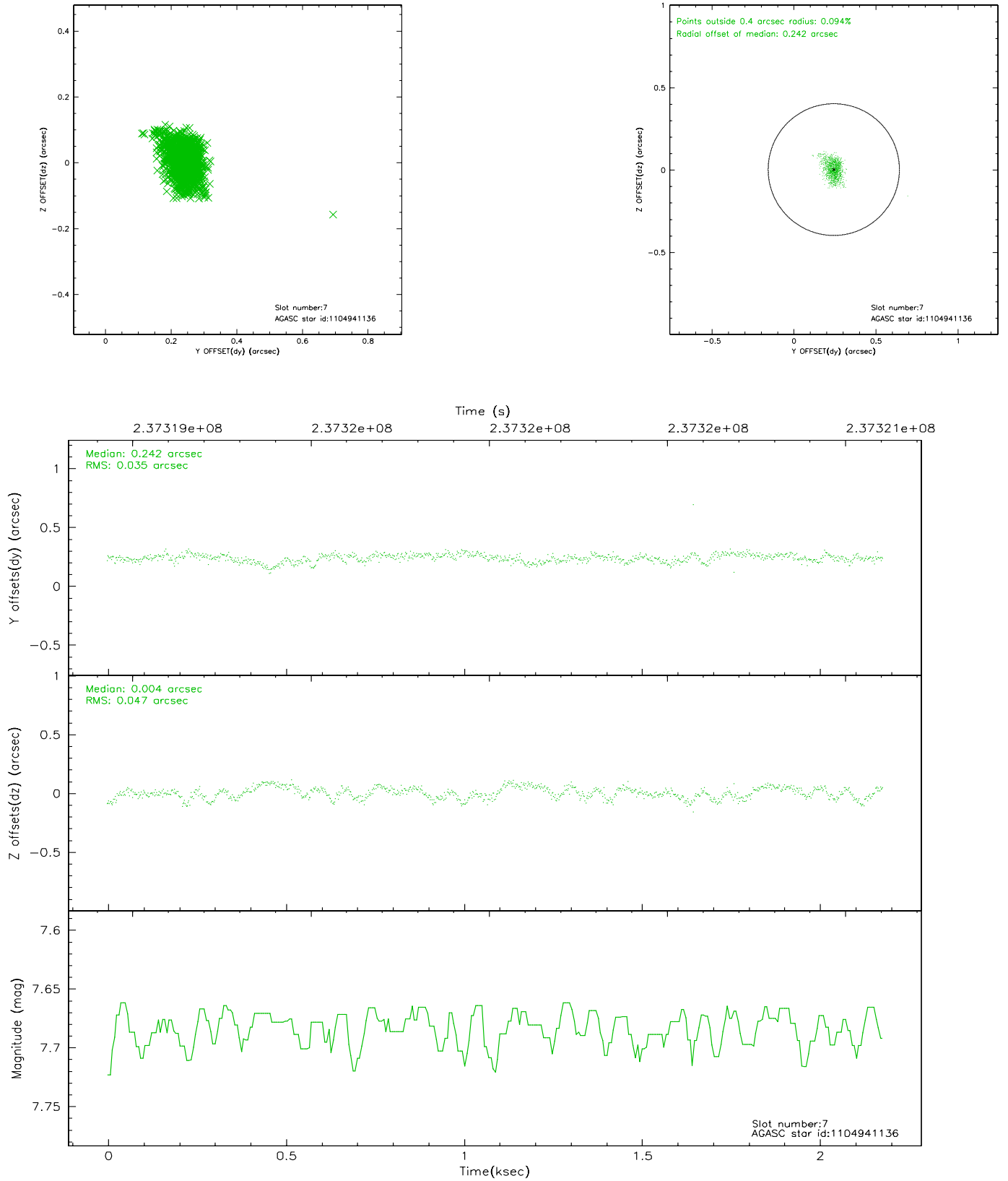
### 2.4.3 Slot 5



## 2.4.4 Slot 6

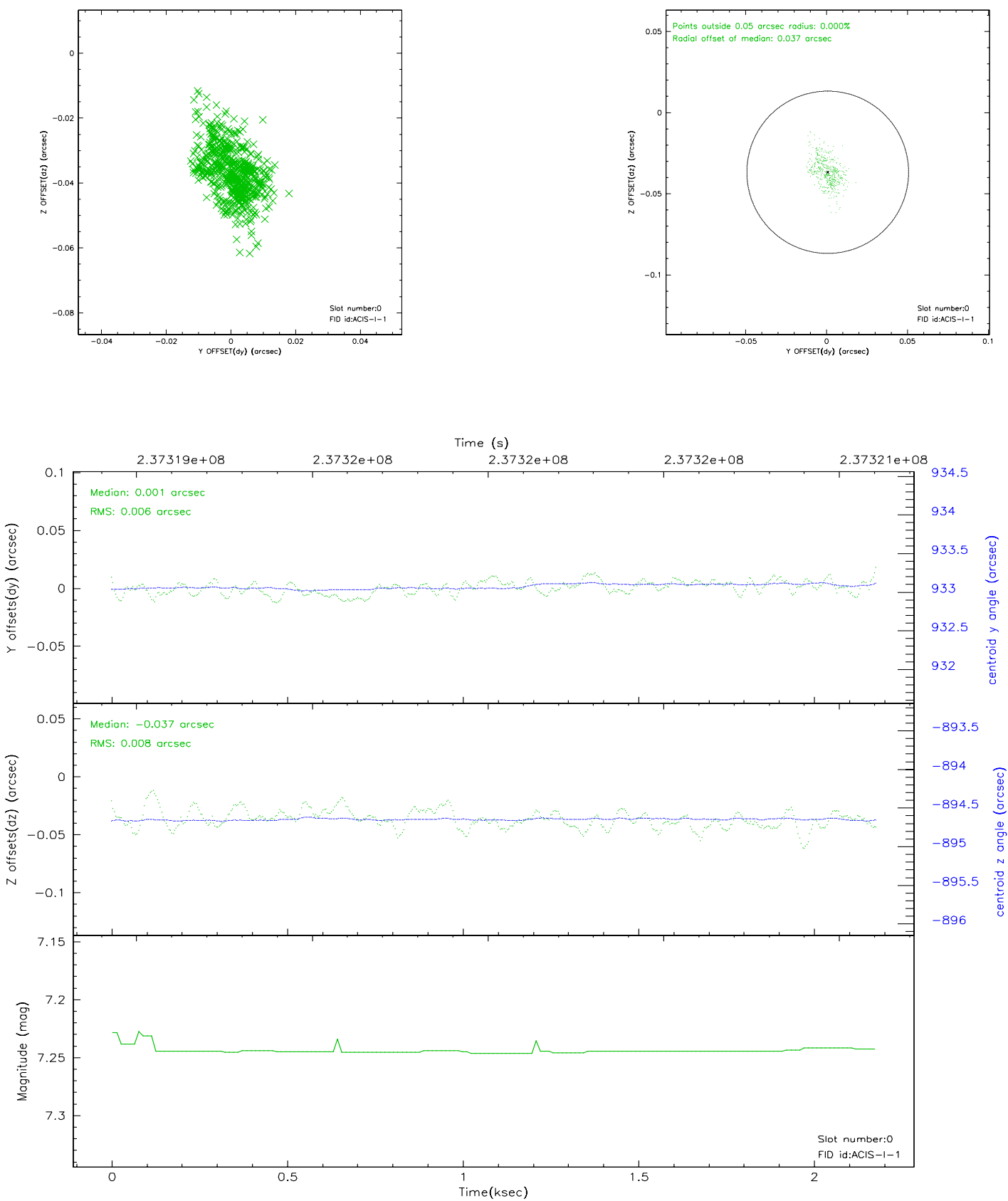


## 2.4.5 Slot 7

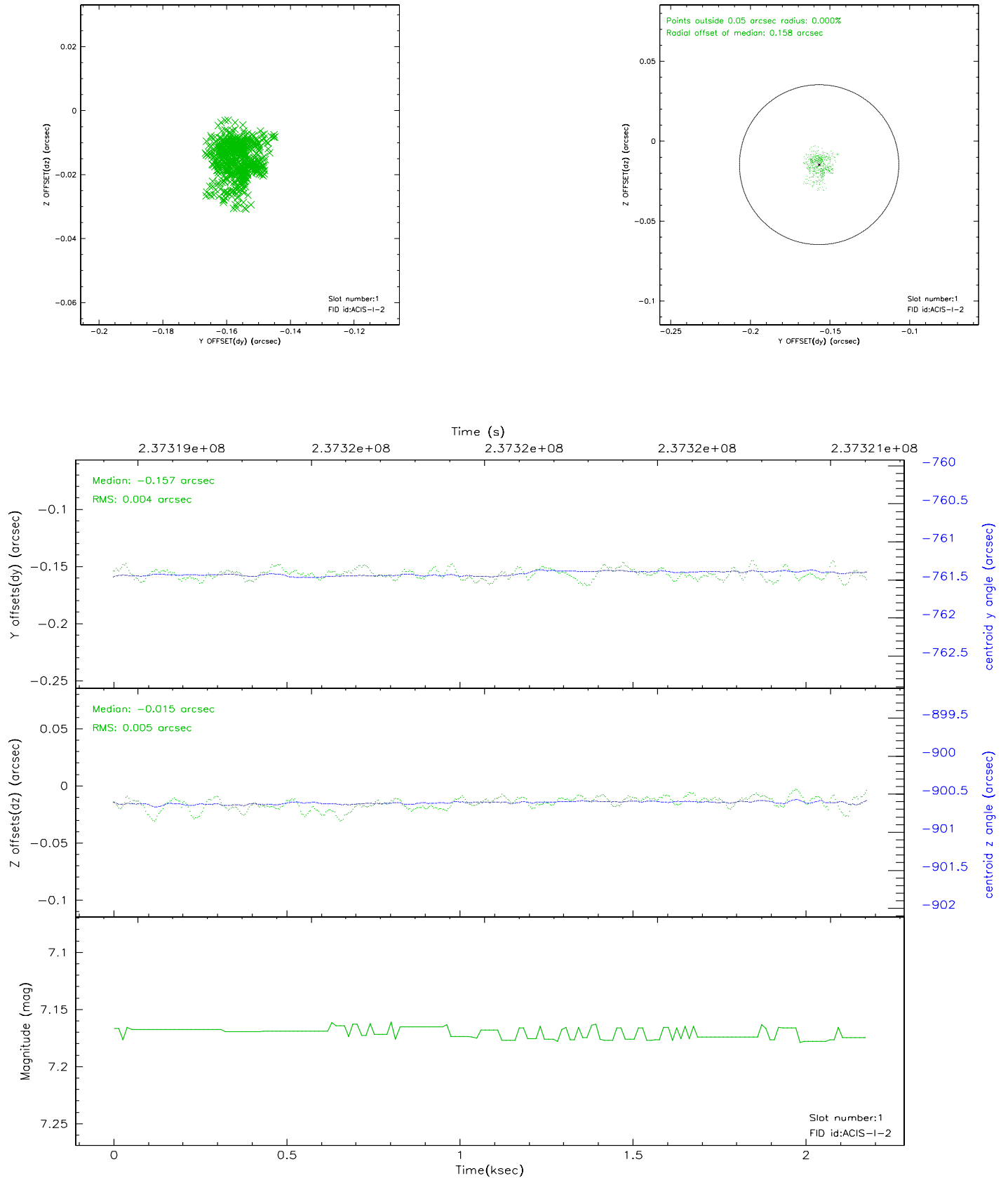


## 2.5 FID Slots

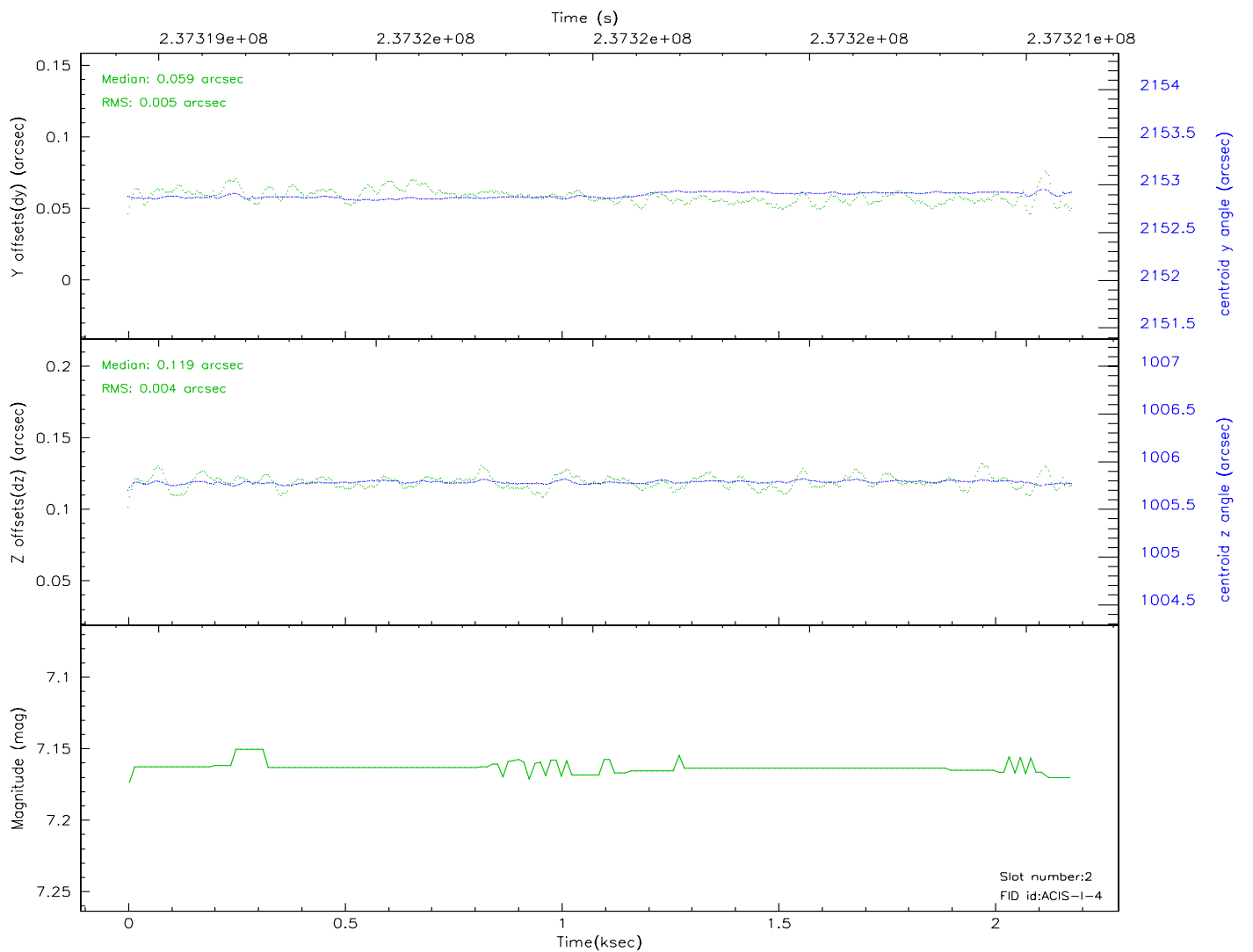
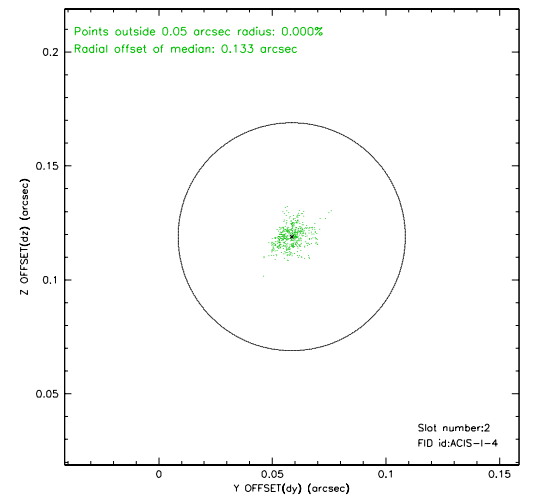
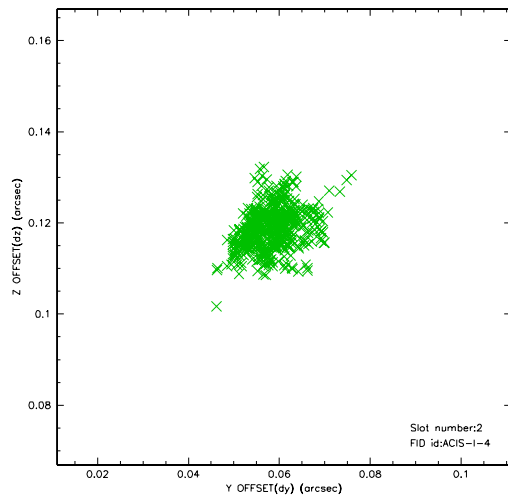
### 2.5.1 Slot 0



## 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)	2006.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.176199

### A.2 Comments