

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2294 - L2 Version 001  
Chandra X-Ray Center

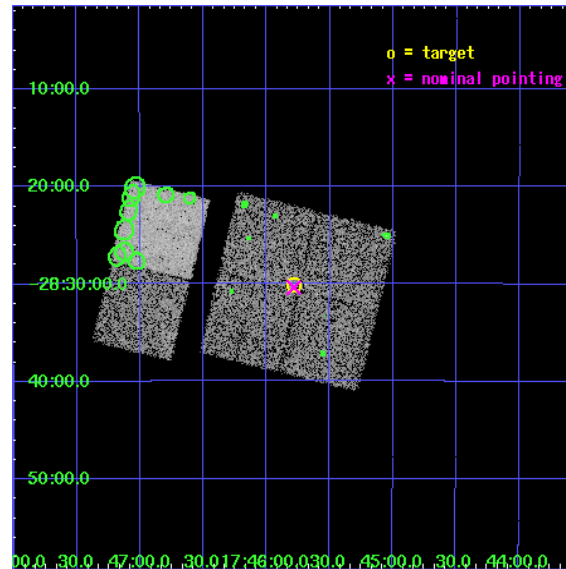
L2 Processing Date : Dec 14 2006

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# 1 Front

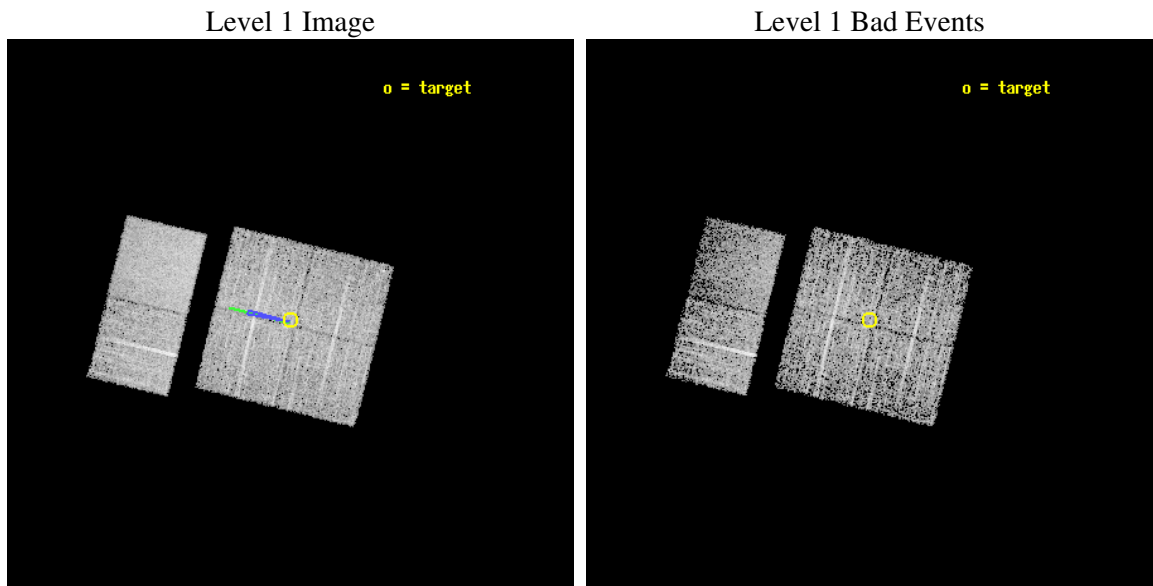
seq_num	900121
obs_id	2294
title	CHANDRA SURVEY OF THE GALACTIC RIDGE AROUND THE MILKY WAY CENTER
observer	Prof. Q. Daniel Wang
object	GCS 9
dtcycle	0
cycle	P
ra_targ	266.4468
dec_targ	-28.5017
ra_nom	266.44596992185
dec_nom	-28.506338669577
roll_nom	283.80729635615
revision	2
ontime	11756.7590307
livetime	11607.887868783
ontime0	11756.7590307
ontime1	11756.759010777
ontime2	11760.000010952
ontime3	11756.7590307
ontime6	11755.938997552
ontime7	11755.980037555
l2events	48897



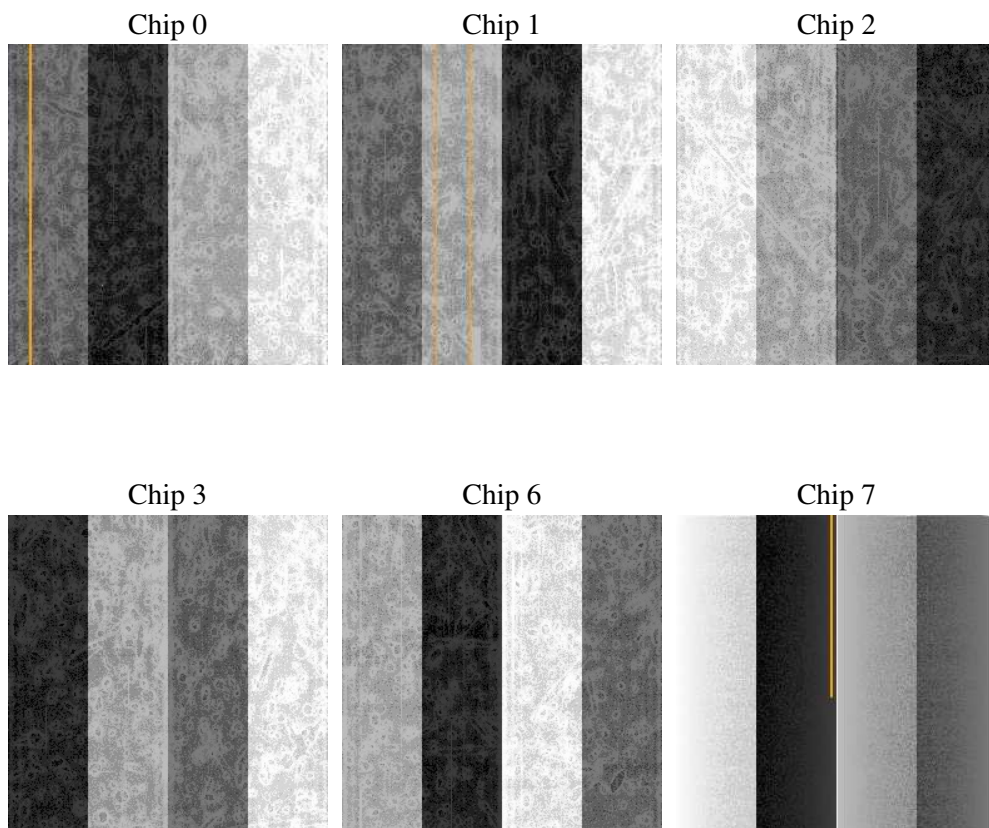
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-14T11:41:23
revision	2

sched_exp_time	12000.000000
ontime	11761.612769857
ontime0	11761.612769857
ontime1	11761.612749934
ontime2	11764.85375011
ontime3	11761.612769857
ontime6	11758.371769711
ontime7	11758.371769711
l1events	198507

### 2.1.4 Events

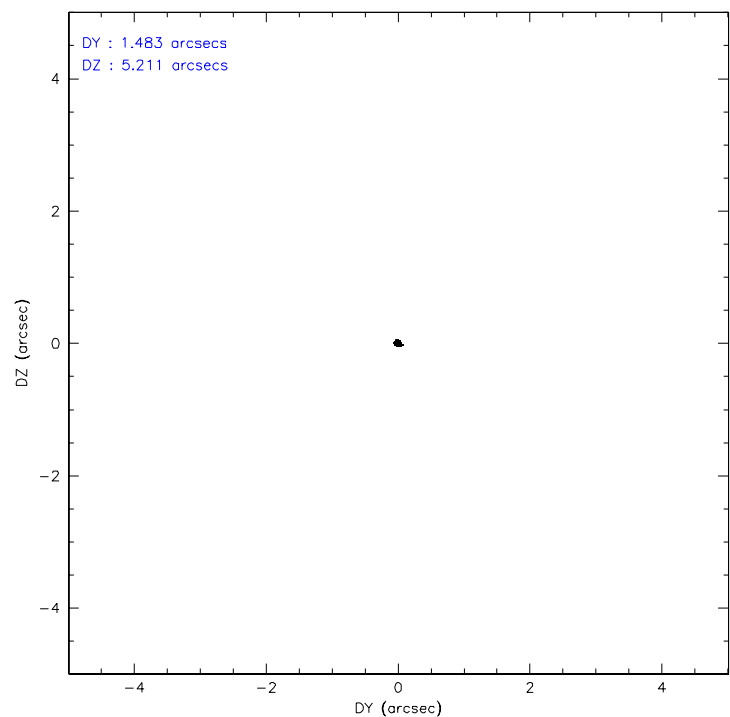
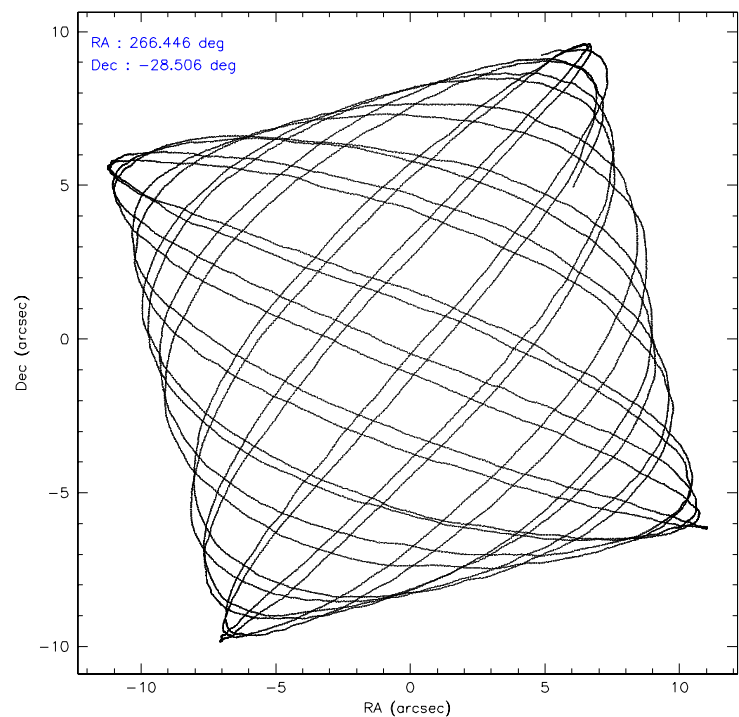
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	30076	29700	31953	33199	34132	39447
rejected events	23455	23130	25532	26628	27645	19972
rejected %	77%	77%	79%	80%	80%	50%

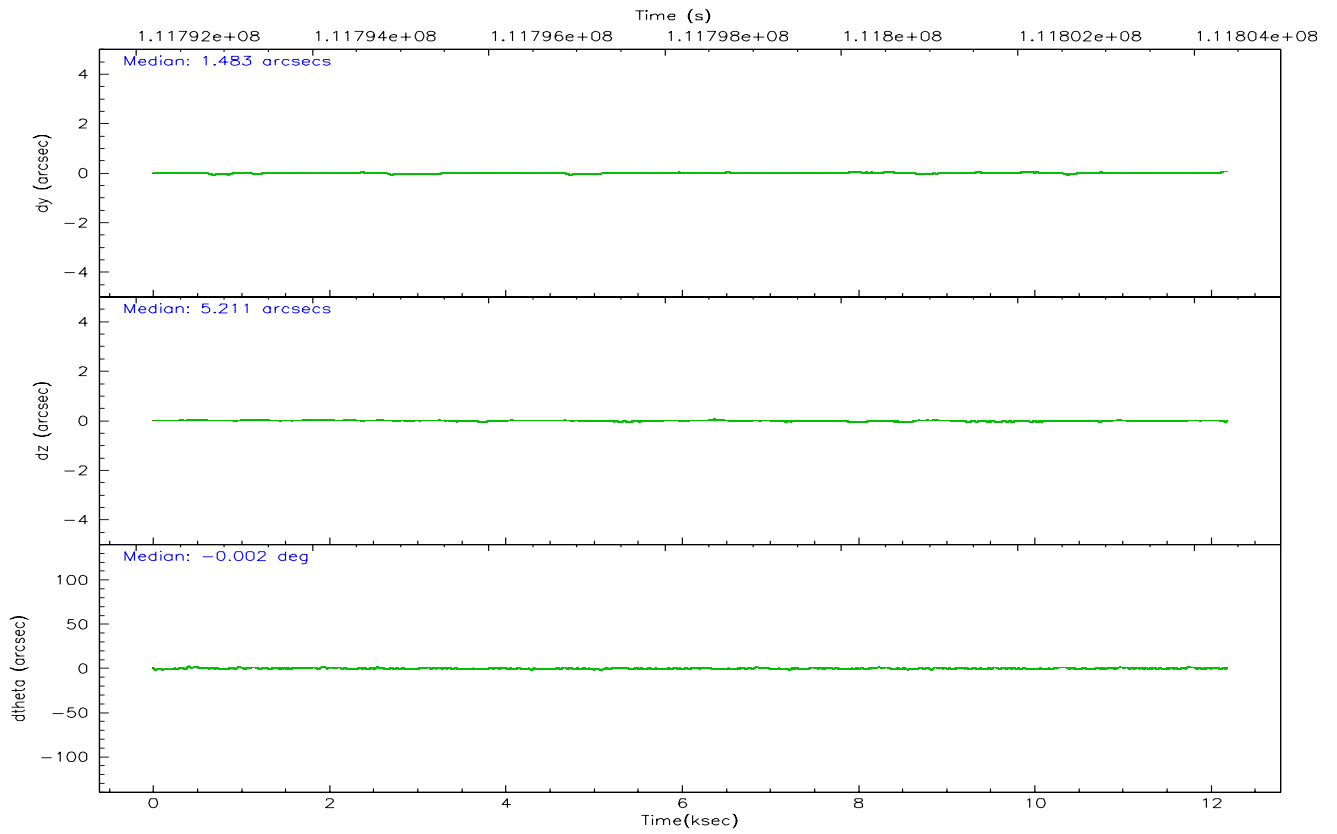
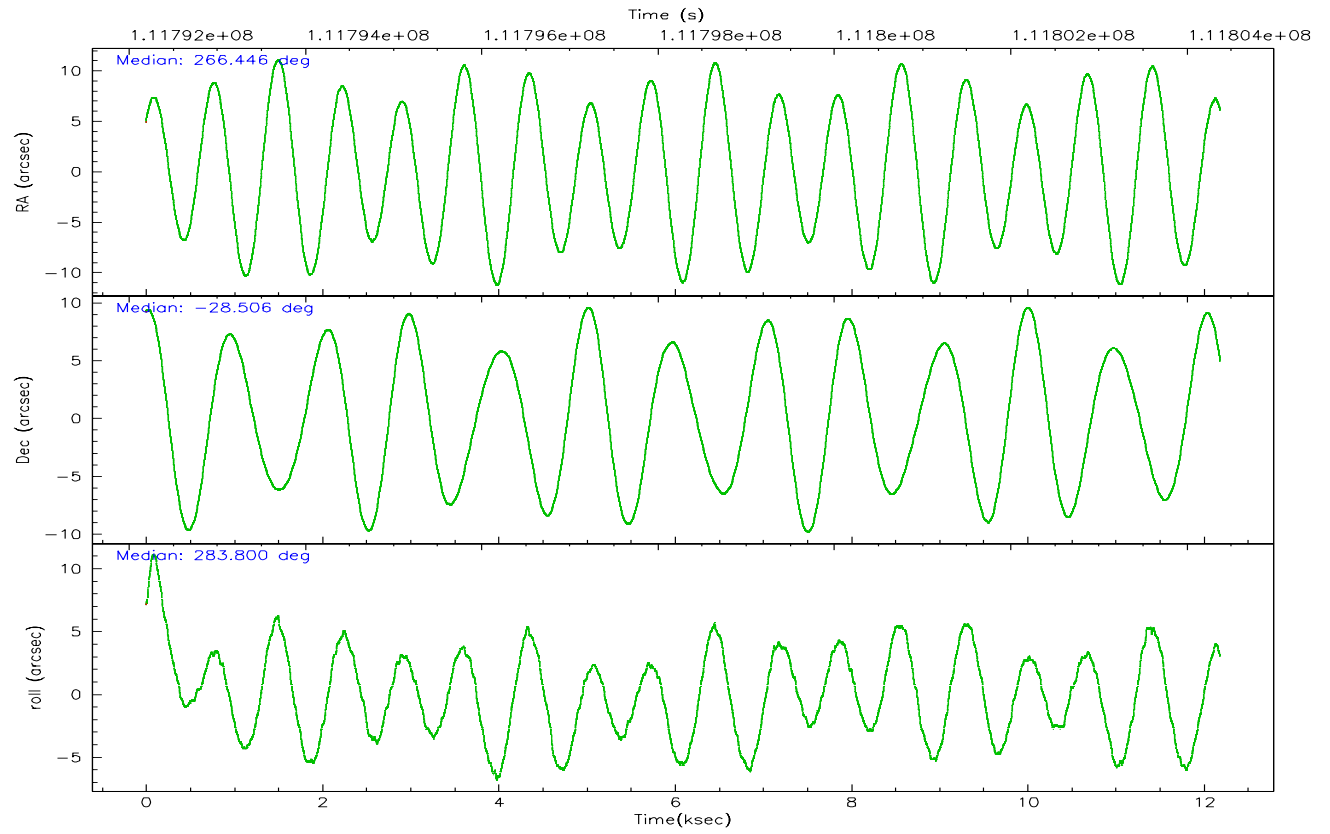
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3424	3271	3460	3305	3045	1237
	11%	11%	10%	9%	8%	3%
grade 1 events	27	31	27	29	27	25
	0%	0%	0%	0%	0%	0%
grade 2 events	1196	1255	1131	1244	1230	4911
	3%	4%	3%	3%	3%	12%
grade 3 events	567	569	512	547	527	1032
	1%	1%	1%	1%	1%	2%
grade 4 events	497	503	452	504	553	1081
	1%	1%	1%	1%	1%	2%
grade 5 events	1146	1384	1082	1357	1475	3358
	3%	4%	3%	4%	4%	8%
grade 6 events	938	973	870	972	1132	11218
	3%	3%	2%	2%	3%	28%
grade 7 events	22281	21714	24419	25241	26143	16585
	74%	73%	76%	76%	76%	42%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	266.424309	266.4459699218476	Subarray requested	NONE	NONE
Pointing Dec	-28.486593	-28.50633866957672	Alternating exposures requested	N	N
Pointing Roll	283.588278	283.8072963561461	Primary exposure time	0.000000	3.2
Roll angle	283.600000	283.600000			
Roll tolerance	2.000000	2.000000			
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)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	111792374.184000	111791998.45122			
Observation start date	2001-07-17T21:25:10	2001-07-17T21:19:58			
Observation end time	111804374.184000	111804508.57671			
Observation end date	2001-07-18T00:45:10	2001-07-18T00:48:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





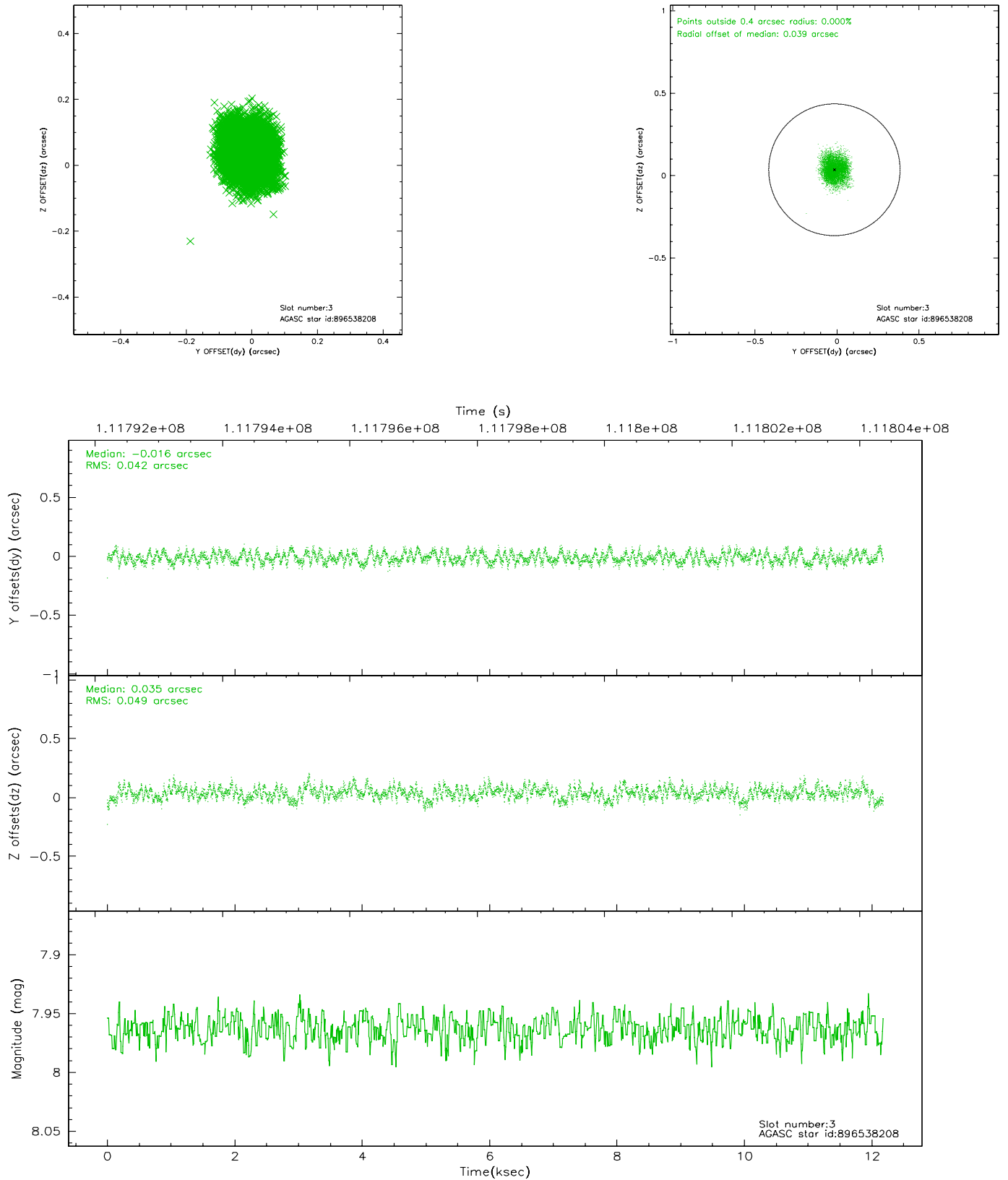
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.45	2973	-0.013	0.204	0.008	0.013	0.000000	0.000000	55.76	-961.58
1	FID	ACIS-I-4	7.19	2970	-0.075	-0.073	0.006	0.011	0.000000	0.000000	2158.25	1070.94
2	FID	ACIS-I-5	7.23	2968	-0.010	-0.062	0.007	0.012	0.000000	0.000000	-1809.13	1069.29
3	GUIDE	896538208	7.96	5941	-0.016	0.035	0.069	0.108	267.176969	-28.671626	1212.86	2153.25
4	GUIDE	896402272	7.59	5945	-0.083	0.099	0.064	0.099	265.637294	-28.313189	-1184.66	-2278.94
5	GUIDE	896537176	8.01	5944	0.063	-0.128	0.051	0.082	266.498272	-28.678259	725.34	65.03
6	GUIDE	896011040	7.71	5944	-0.035	-0.056	0.051	0.083	267.058469	-28.014759	-1172.81	2357.24
7	GUIDE	896538920	8.92	5940	0.072	0.058	0.081	0.128	266.278728	-29.143592	2191.58	-999.48

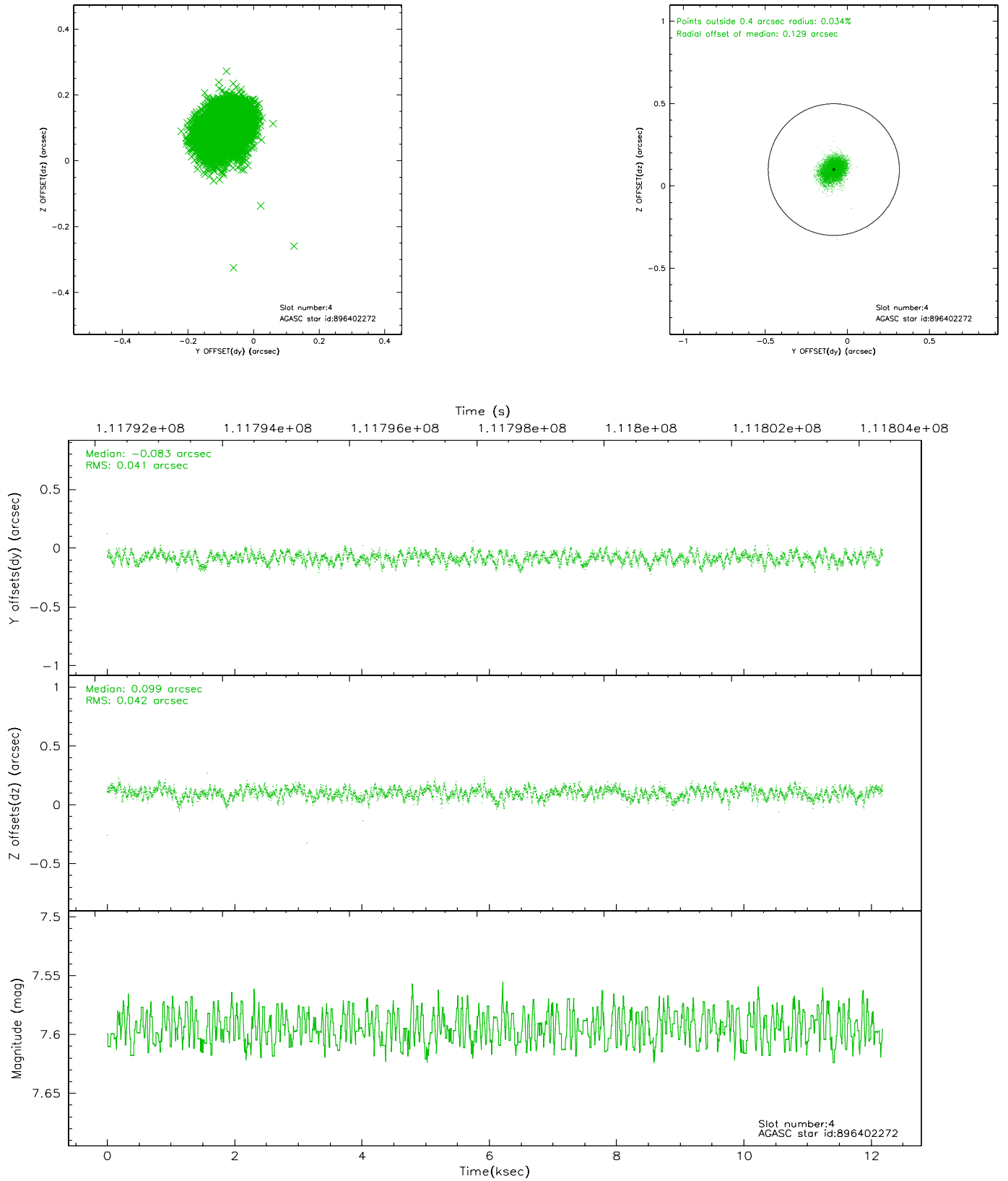


## 2.4 Star Slots

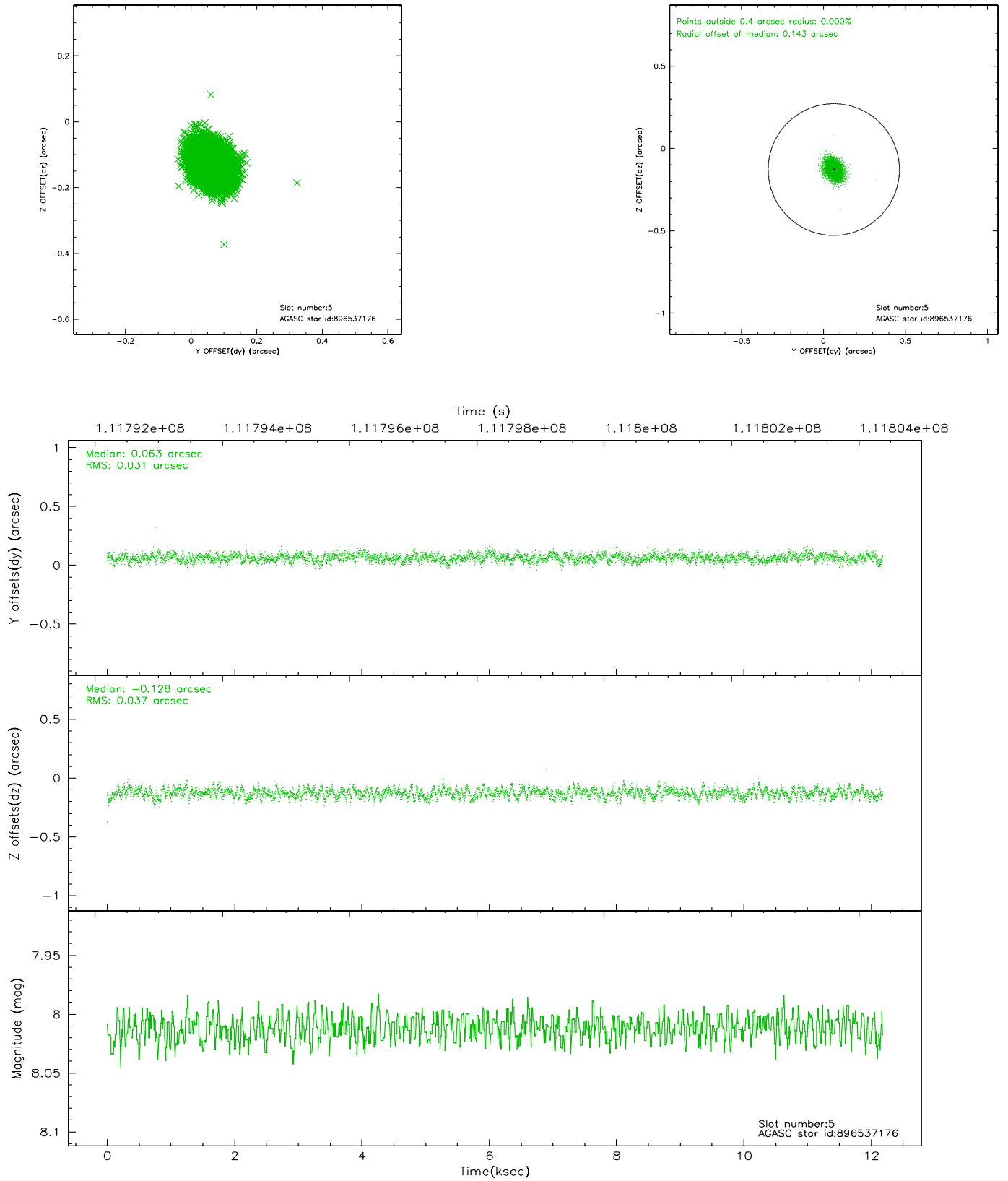
### 2.4.1 Slot 3



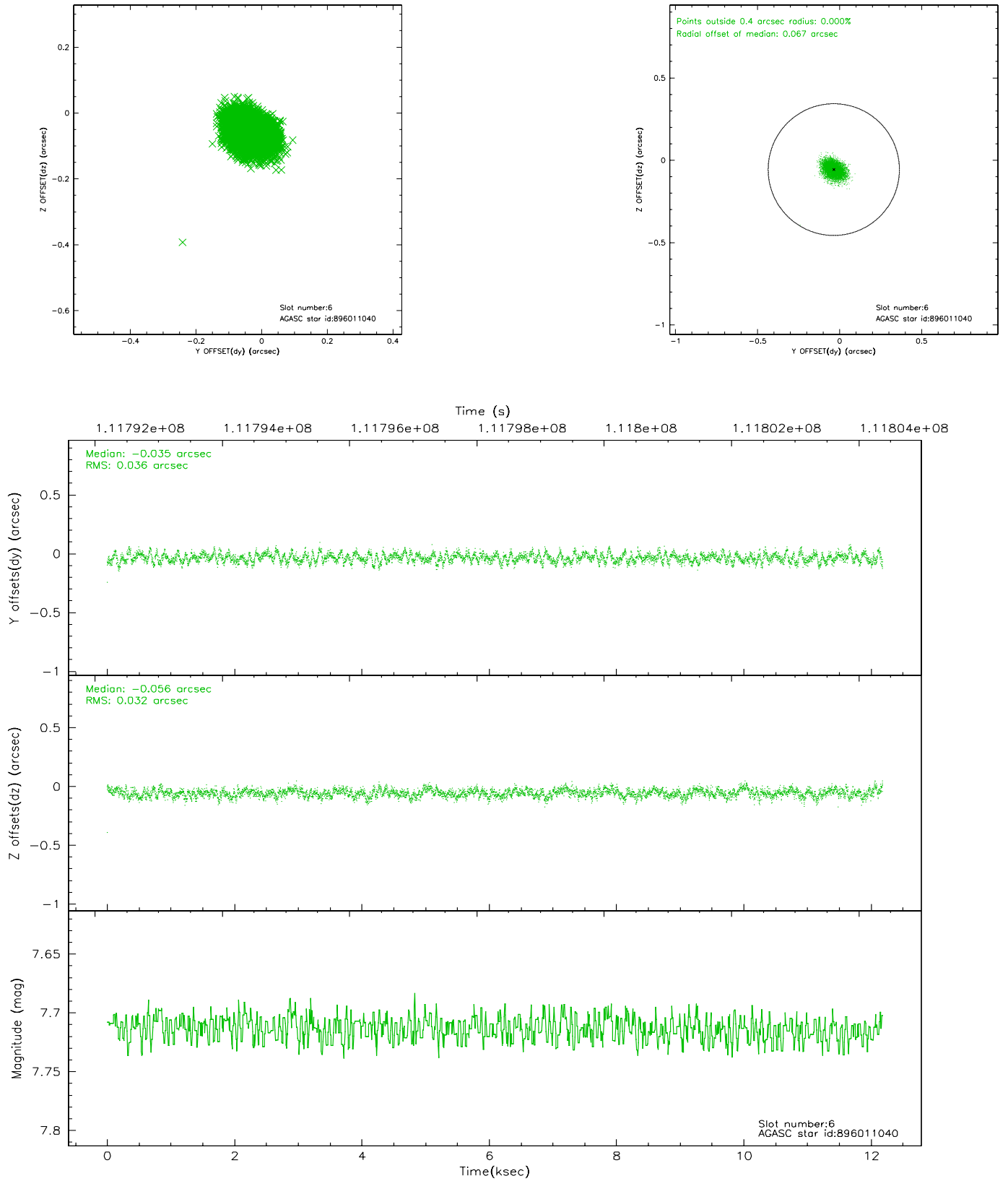
## 2.4.2 Slot 4



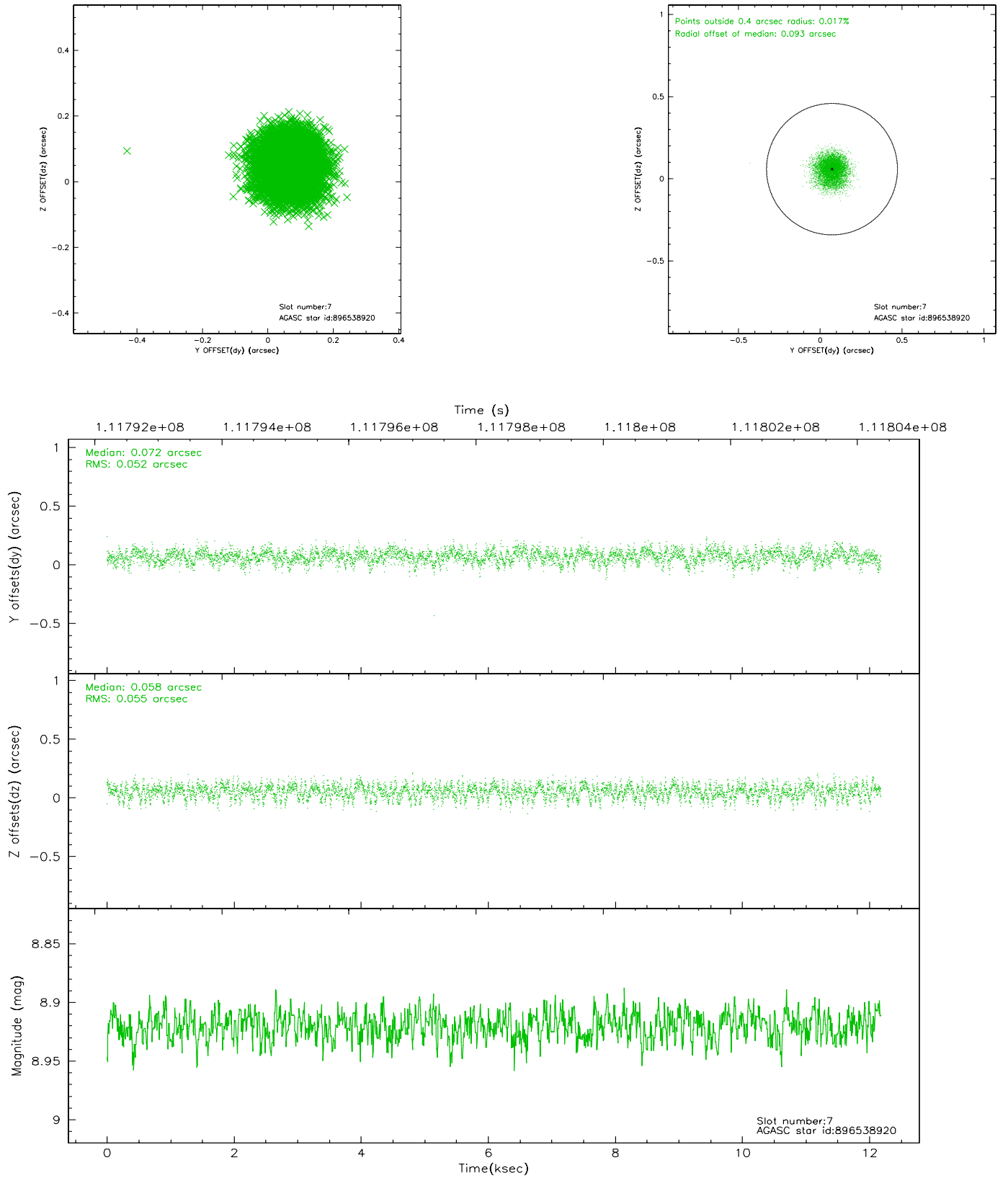
### 2.4.3 Slot 5



## 2.4.4 Slot 6

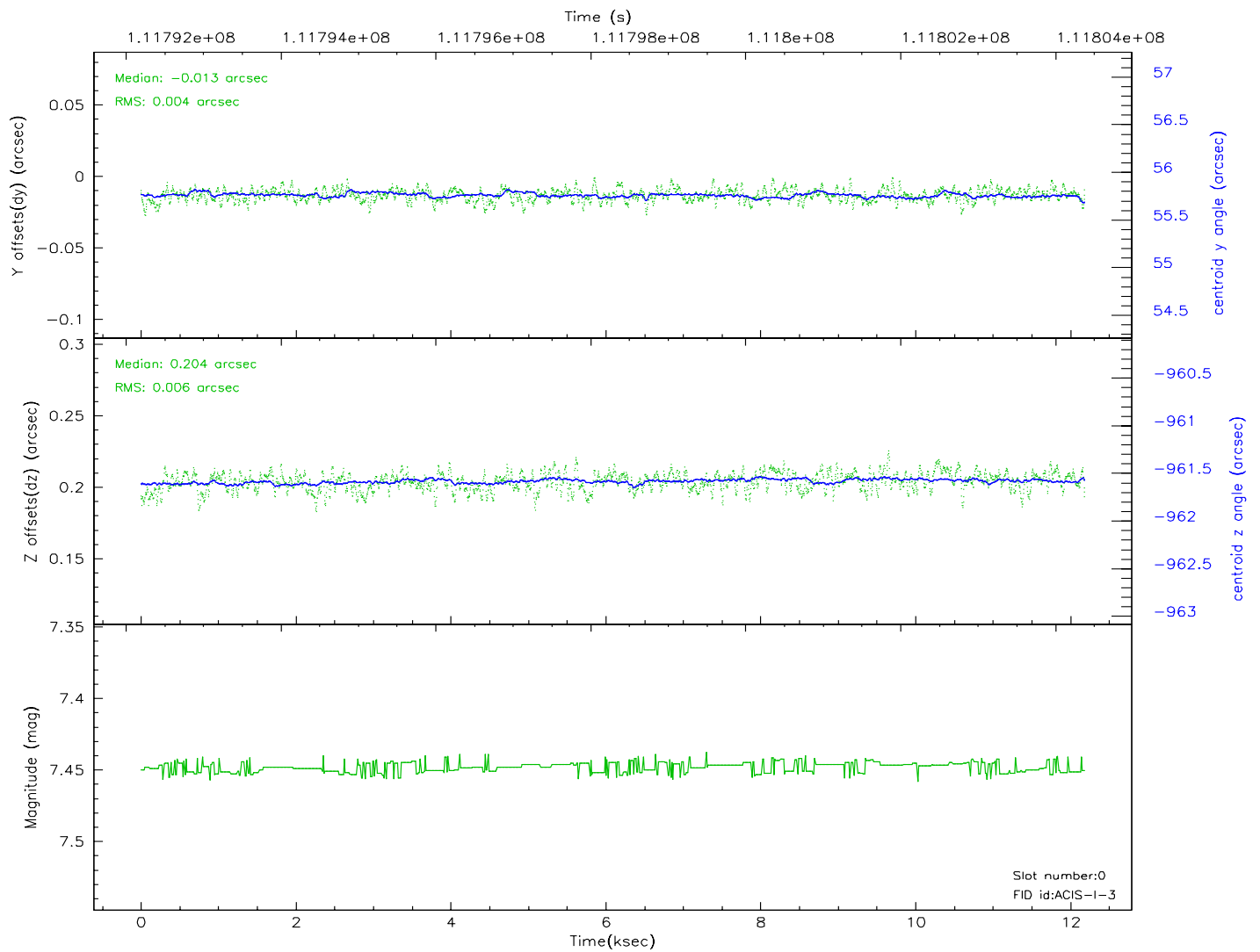
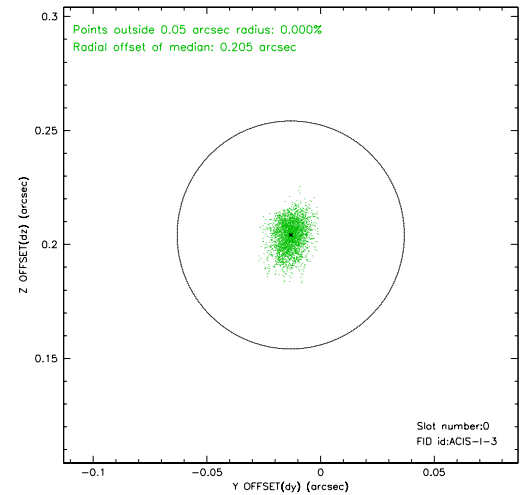
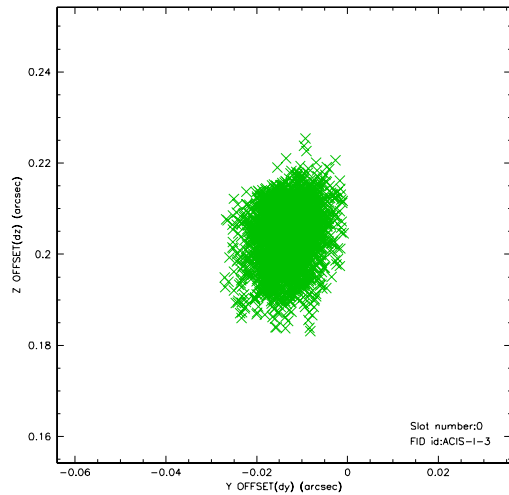


## 2.4.5 Slot 7

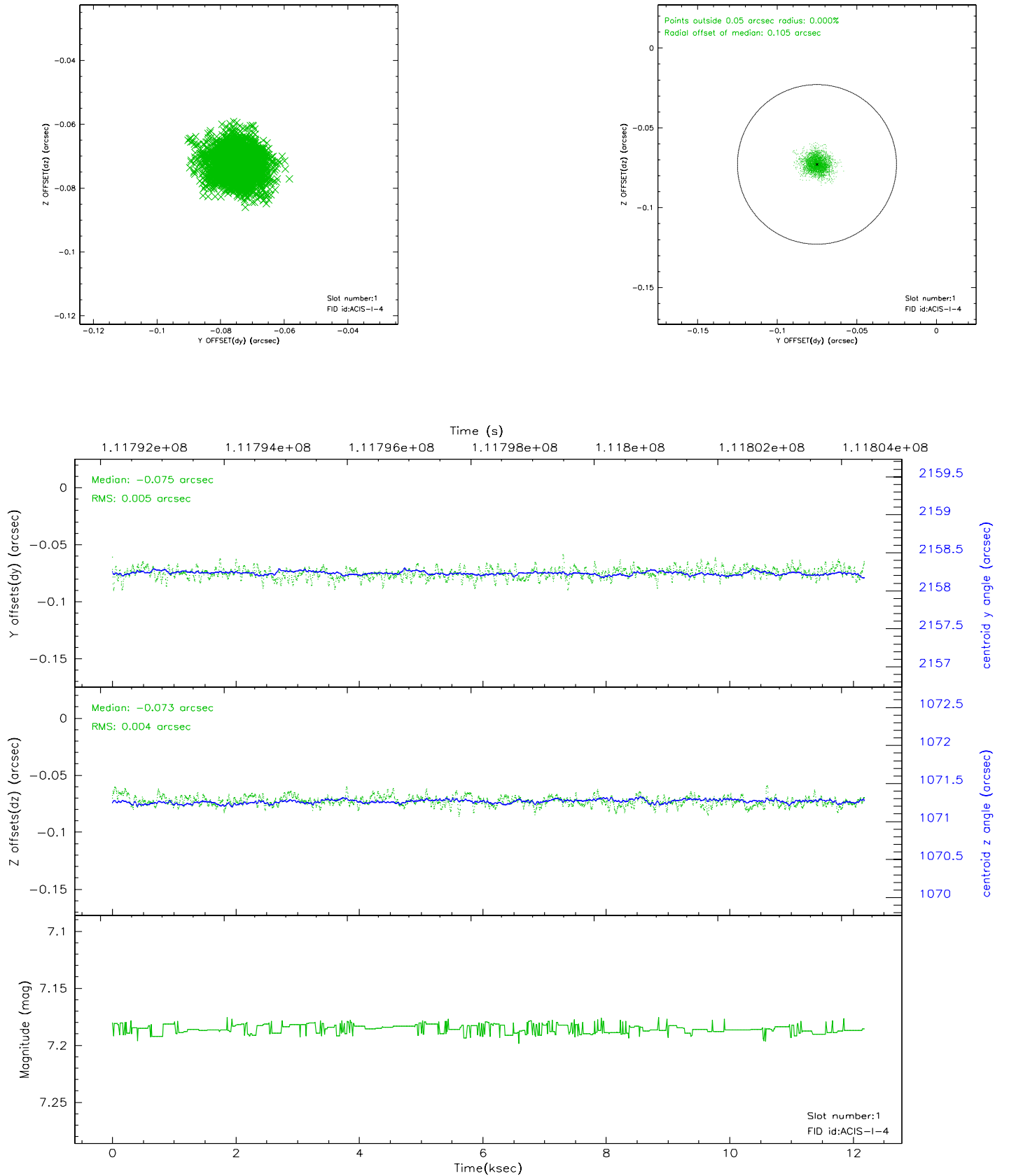


## 2.5 FID Slots

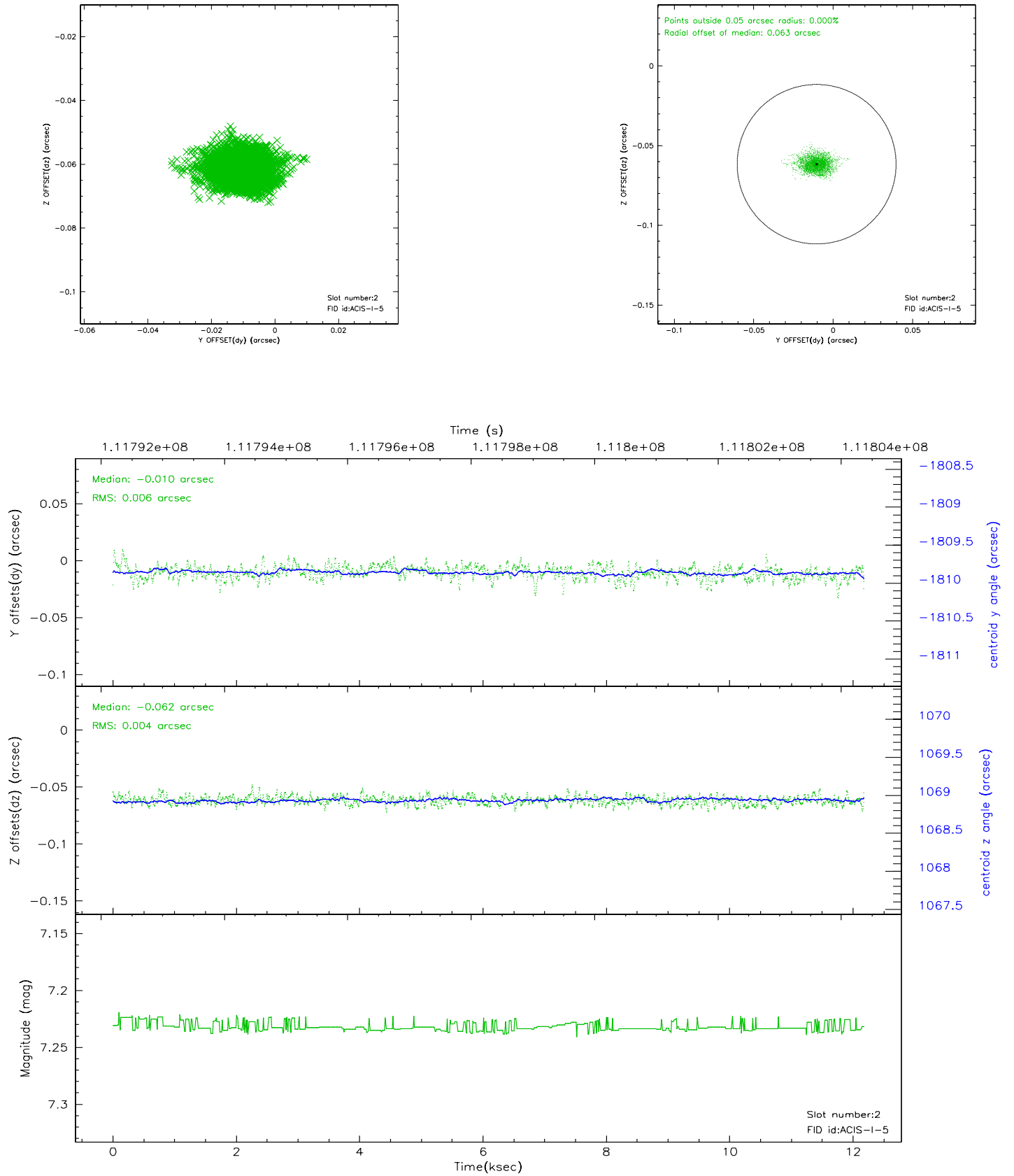
### 2.5.1 Slot 0



## 2.5.2 Slot 1

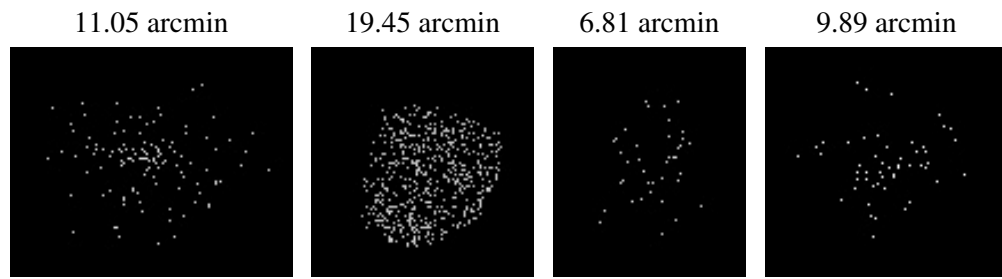


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.759

### A.2 Comments

Roll constraint satisfied.