

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 5471 - L2 Version 002  
Chandra X-Ray Center

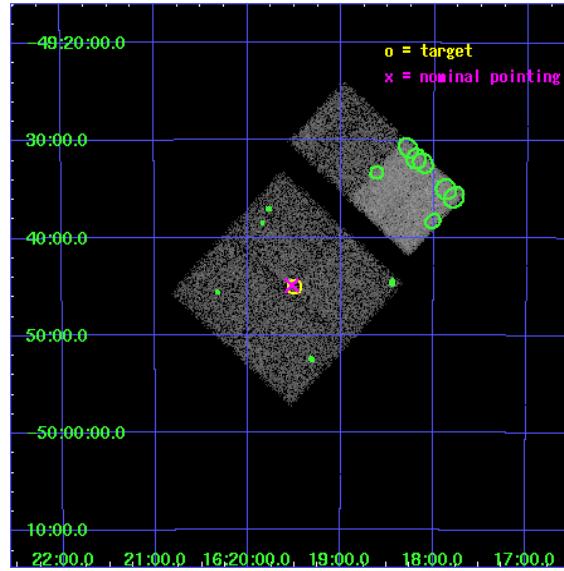
L2 Processing Date: Mar 2 2006

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# 1 Front

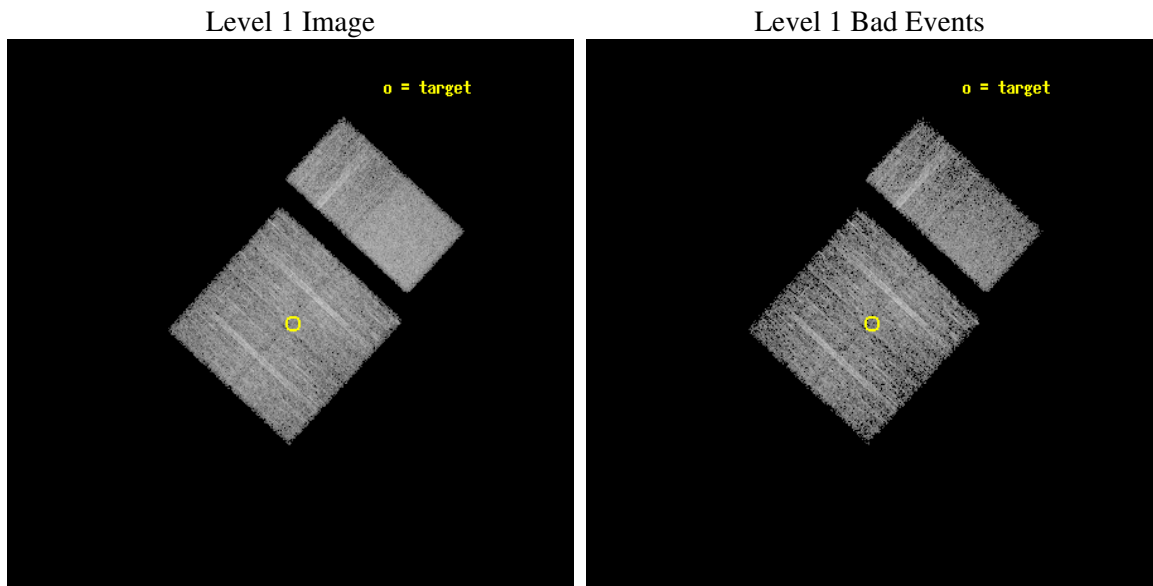
seq_num	400401
obs_id	5471
title	Localization of INTEGRAL-Selected Sources in the Norma Region
observer	Dr. John Tomsick
object	IGR J16195-4945
dtcycle	0
cycle	P
ra_targ	244.875
dec_targ	-49.75
ra_nom	244.88143262835
dec_nom	-49.748609123823
roll_nom	42.861435667376
revision	2
ontime	4812.7999820709
livetime	4751.8574107777
ontime0	4812.7999820709
ontime1	4812.7999820709
ontime2	4812.7999820709
ontime3	4812.7999820709
ontime6	4812.7999820709
ontime7	4812.7999820709
l2events	50533



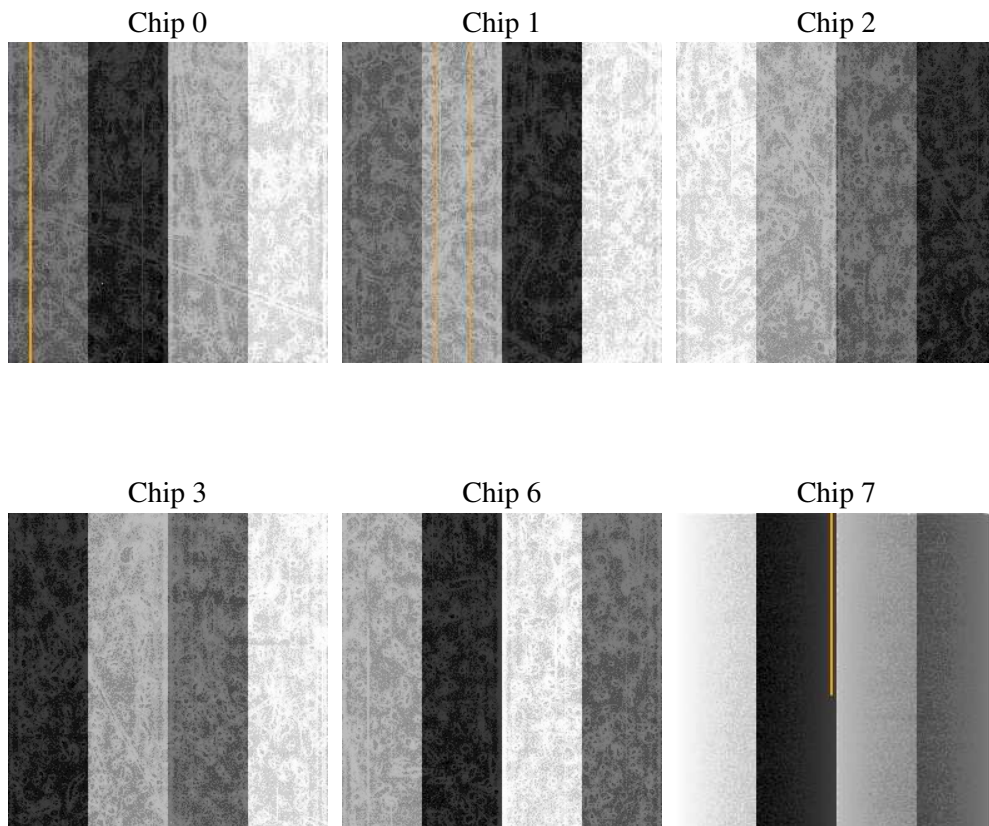
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-03-02T10:31:56
revision	2

sched_exp_time	4853.276000
ontime	4816.1447494328
ontime0	4816.1447494328
ontime1	4816.1447494328
ontime2	4816.1447494328
ontime3	4816.1447494328
ontime6	4816.1447494328
ontime7	4816.1447494328
l1events	247028

### 2.1.4 Events

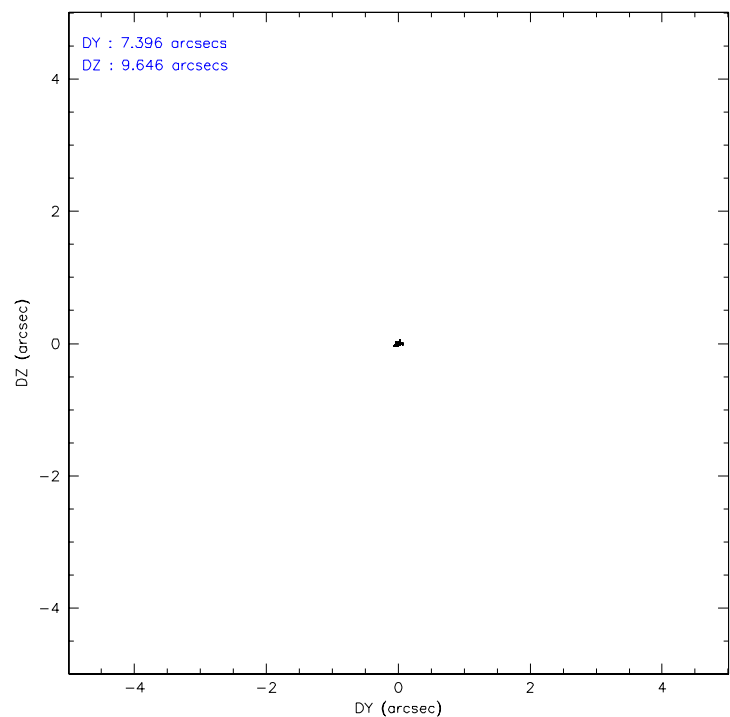
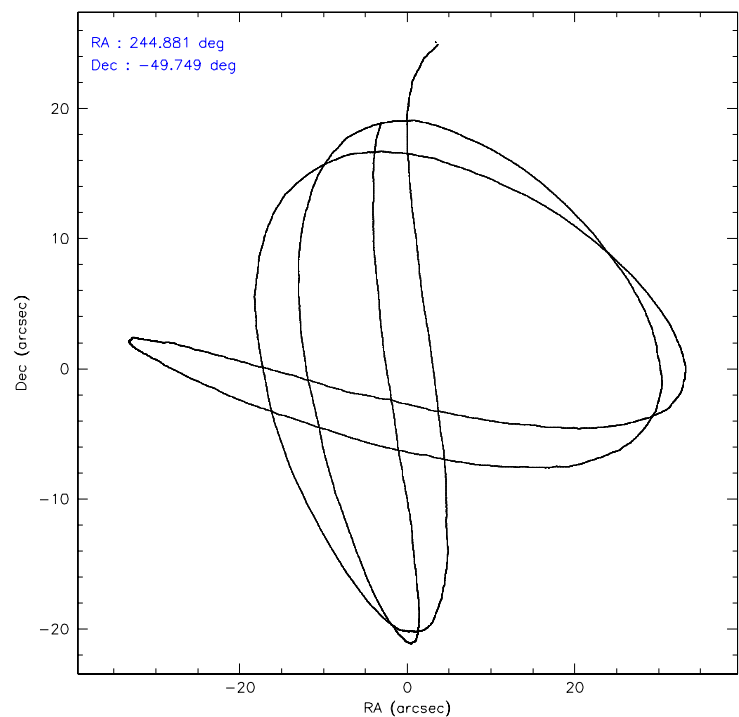
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	36268	36487	39485	40419	40819	53550
rejected events	29748	29819	32872	33866	34294	31734
rejected %	82%	81%	83%	83%	84%	59%

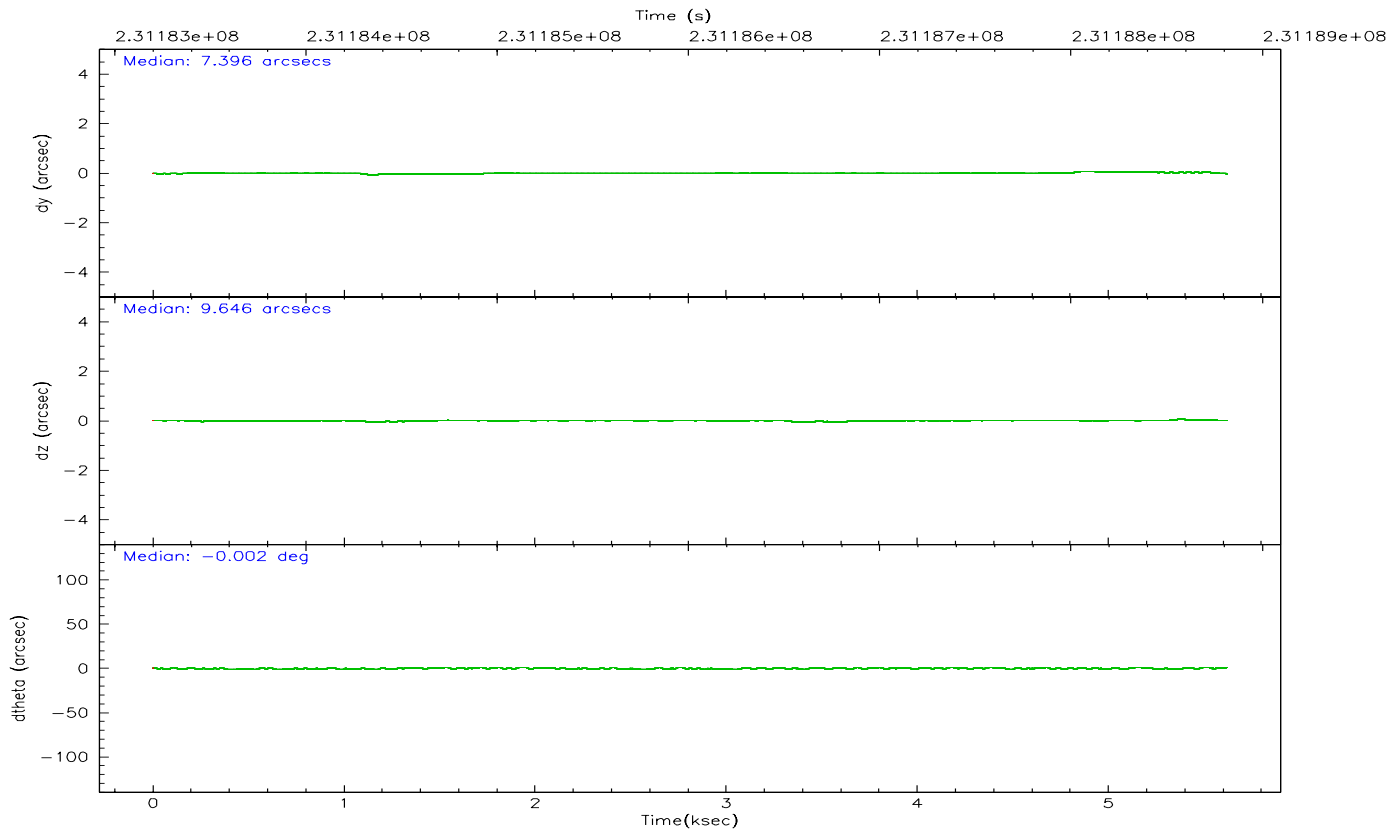
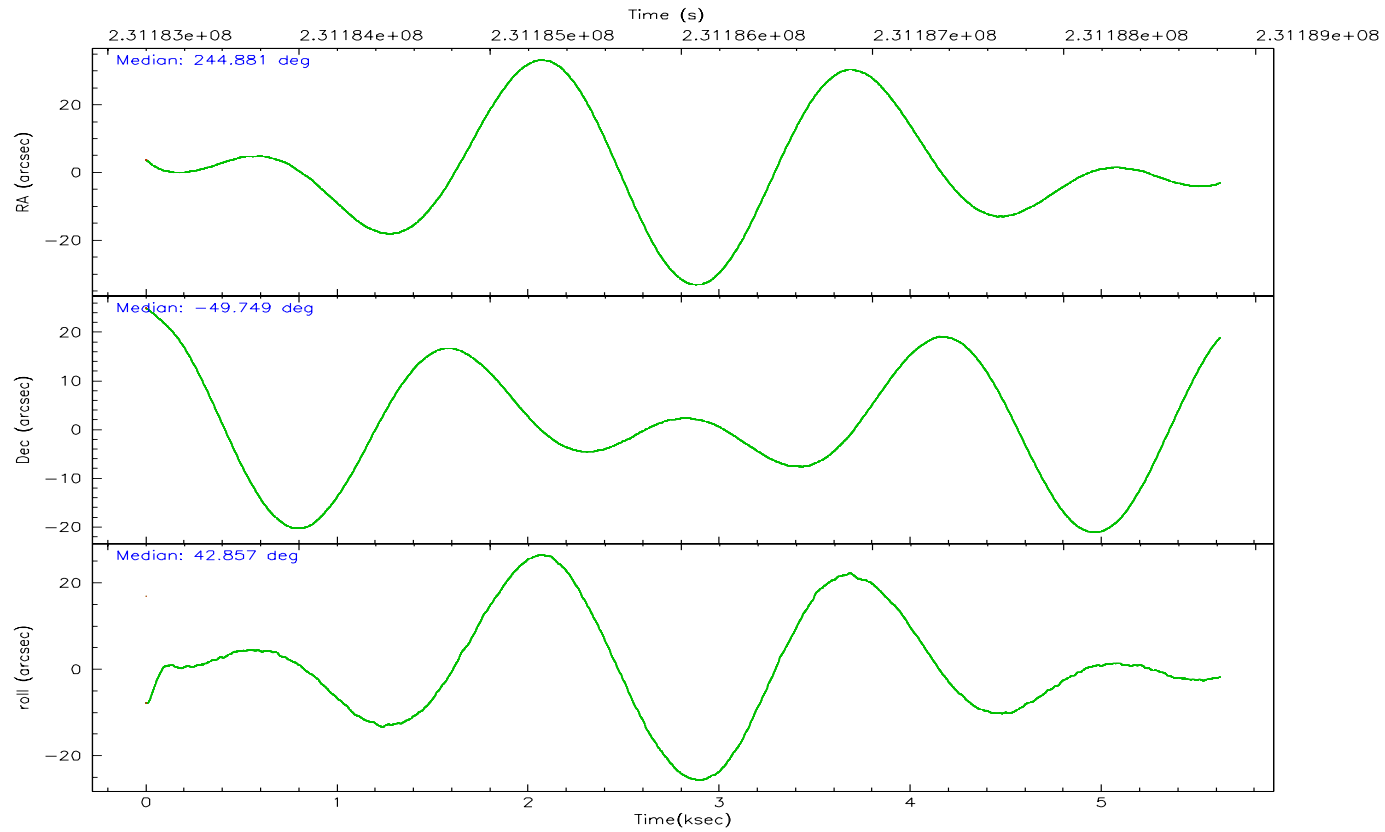
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3501	3352	3723	3565	3247	1309
	9%	9%	9%	8%	7%	2%
grade 1 events	27	25	36	37	26	41
	0%	0%	0%	0%	0%	0%
grade 2 events	1145	1295	1130	1103	1305	5262
	3%	3%	2%	2%	3%	9%
grade 3 events	500	537	468	500	485	1086
	1%	1%	1%	1%	1%	2%
grade 4 events	471	533	487	529	515	1056
	1%	1%	1%	1%	1%	1%
grade 5 events	1500	1629	1499	1738	1780	3190
	4%	4%	3%	4%	4%	5%
grade 6 events	908	959	809	864	977	13114
	2%	2%	2%	2%	2%	24%
grade 7 events	28216	28157	31333	32083	32484	28492
	77%	77%	79%	79%	79%	53%

## 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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	244.869418	244.88143262835	Alternating exposures requested	N	N
Pointing Dec	-49.774615	-49.74860912382329	Primary exposure time	0.000000	3.2
Pointing Roll	42.643574	42.8614356673762			
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	231183969.184000	231182719.2016			
Observation start date	2005-04-29T17:45:05	2005-04-29T17:25:19			
Observation end time	231188822.184000	231189057.28938			
Observation end date	2005-04-29T19:05:58	2005-04-29T19:10:57			
Read mode	TIMED	TIMED			

## 2.3 Aspect





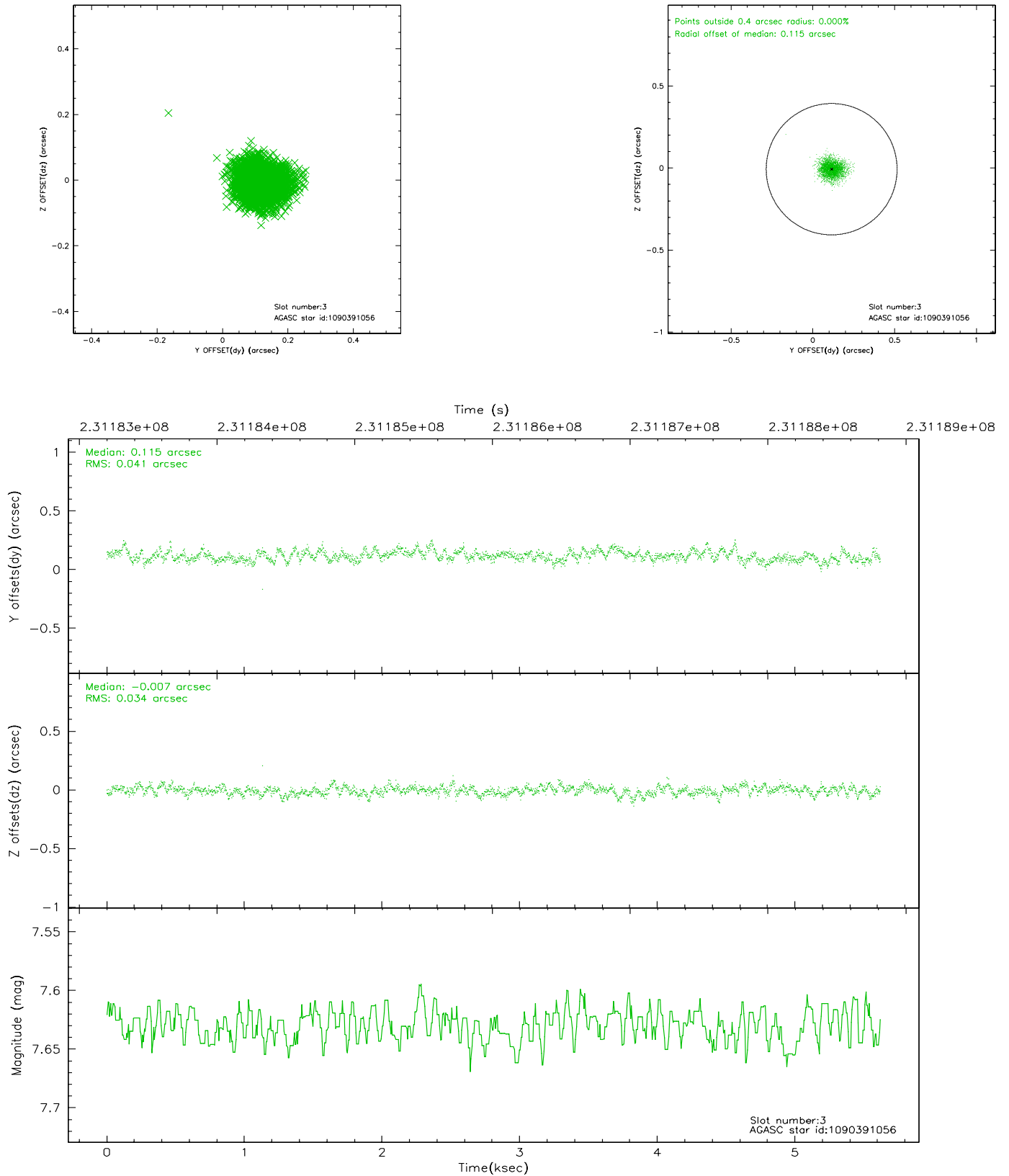
### Slot Statistics

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	1372	-0.021	0.057	0.006	0.011	0.000000	0.000000	932.26	-833.04
1	FID	ACIS-I-5	7.23	1372	-0.128	0.016	0.006	0.010	0.000000	0.000000	-1815.37	1063.86
2	FID	ACIS-I-6	7.25	1372	0.057	-0.002	0.006	0.010	0.000000	0.000000	396.71	1709.56
3	GUIDE	1090391056	7.63	2742	0.115	-0.007	0.057	0.092	244.221245	-49.856754	-1310.24	796.80
4	GUIDE	1090399840	7.59	2743	0.160	-0.101	0.049	0.078	243.797224	-49.874464	-2084.57	1407.86
5	GUIDE	1090519800	8.86	2743	-0.011	0.106	0.071	0.117	245.591117	-49.628512	1589.21	-758.21
6	GUIDE	1090522688	8.04	2743	-0.180	-0.107	0.061	0.097	245.358664	-49.397960	1760.78	218.08
7	GUIDE	1090520992	7.48	2741	-0.084	0.106	0.048	0.080	245.489527	-49.662443	1334.24	-685.79

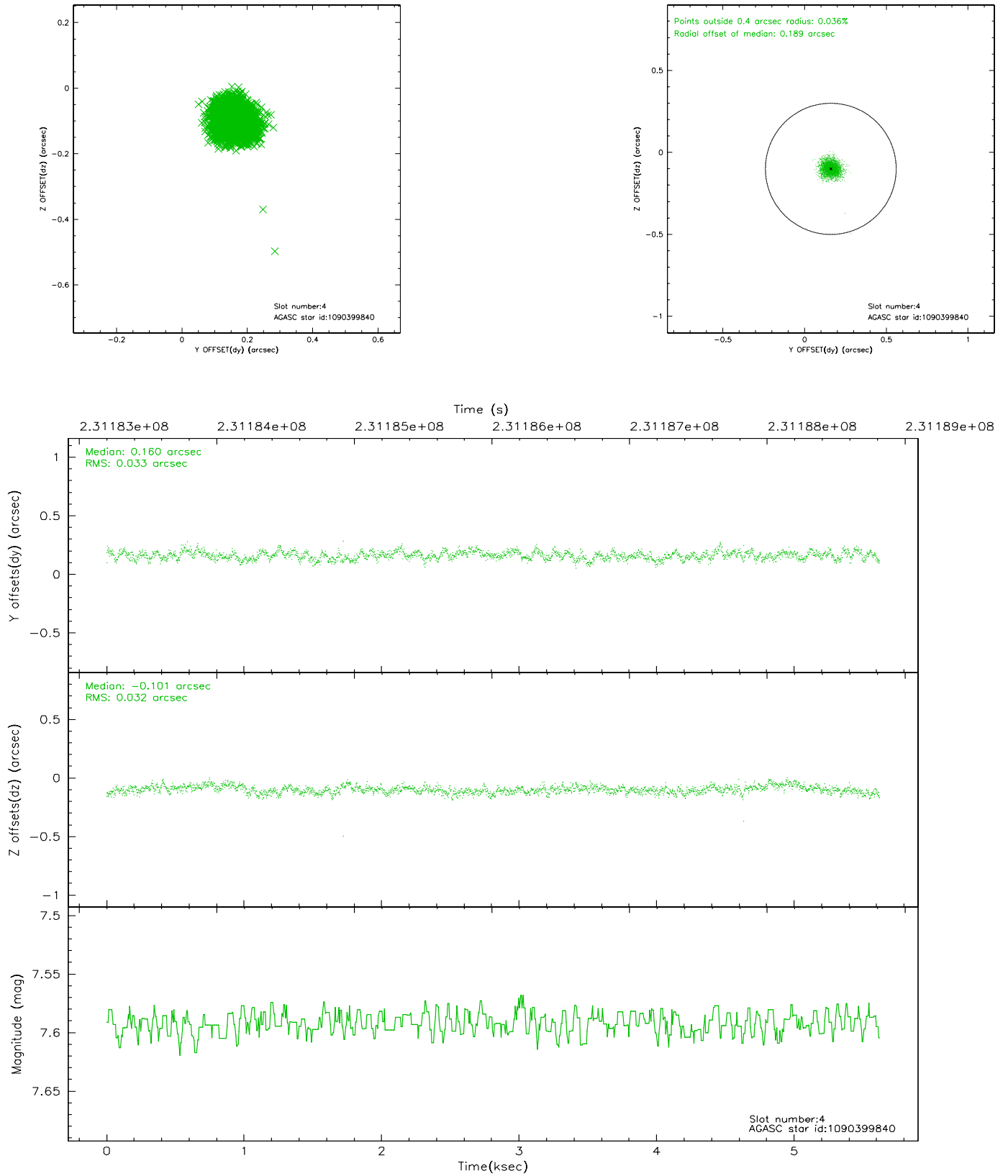


## 2.4 Star Slots

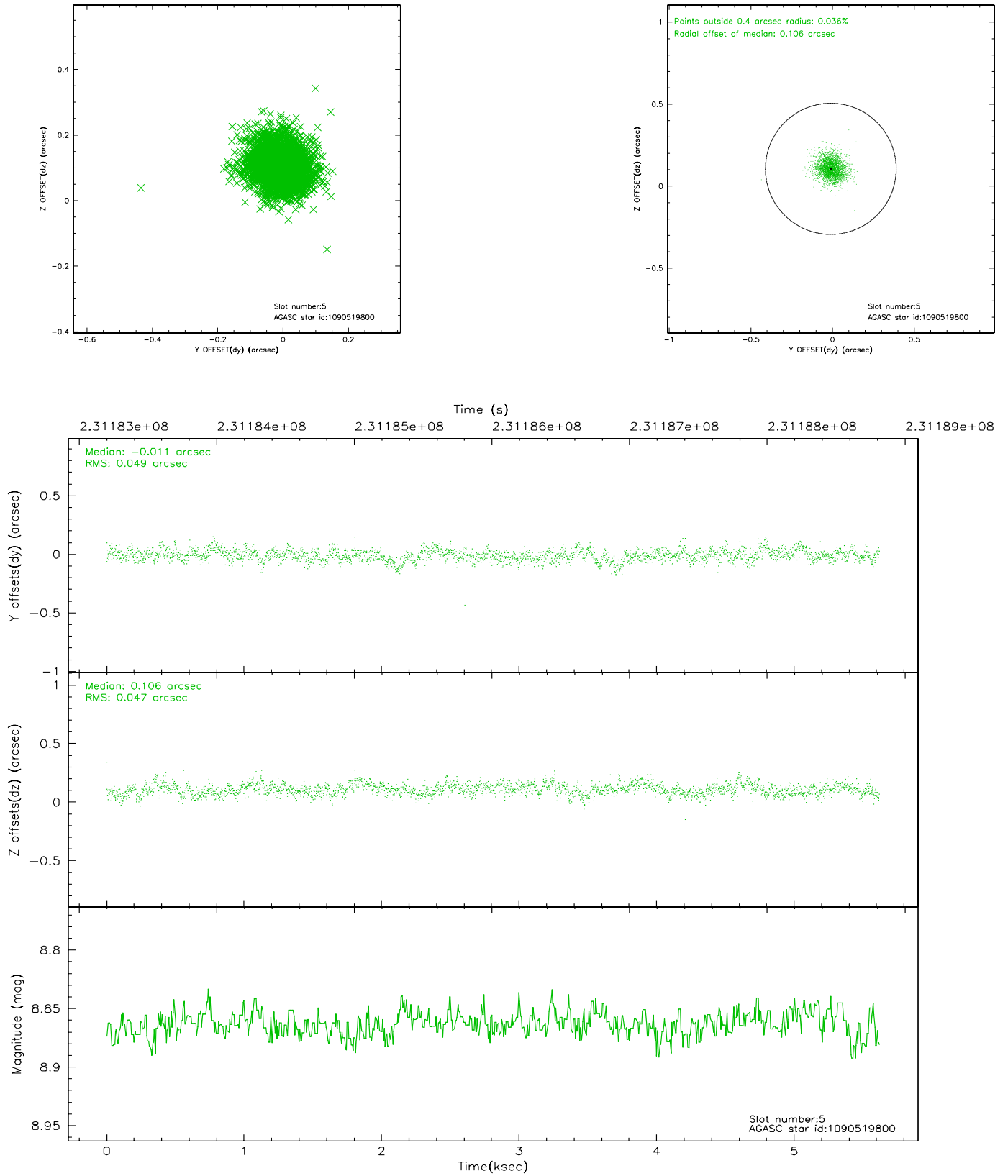
### 2.4.1 Slot 3



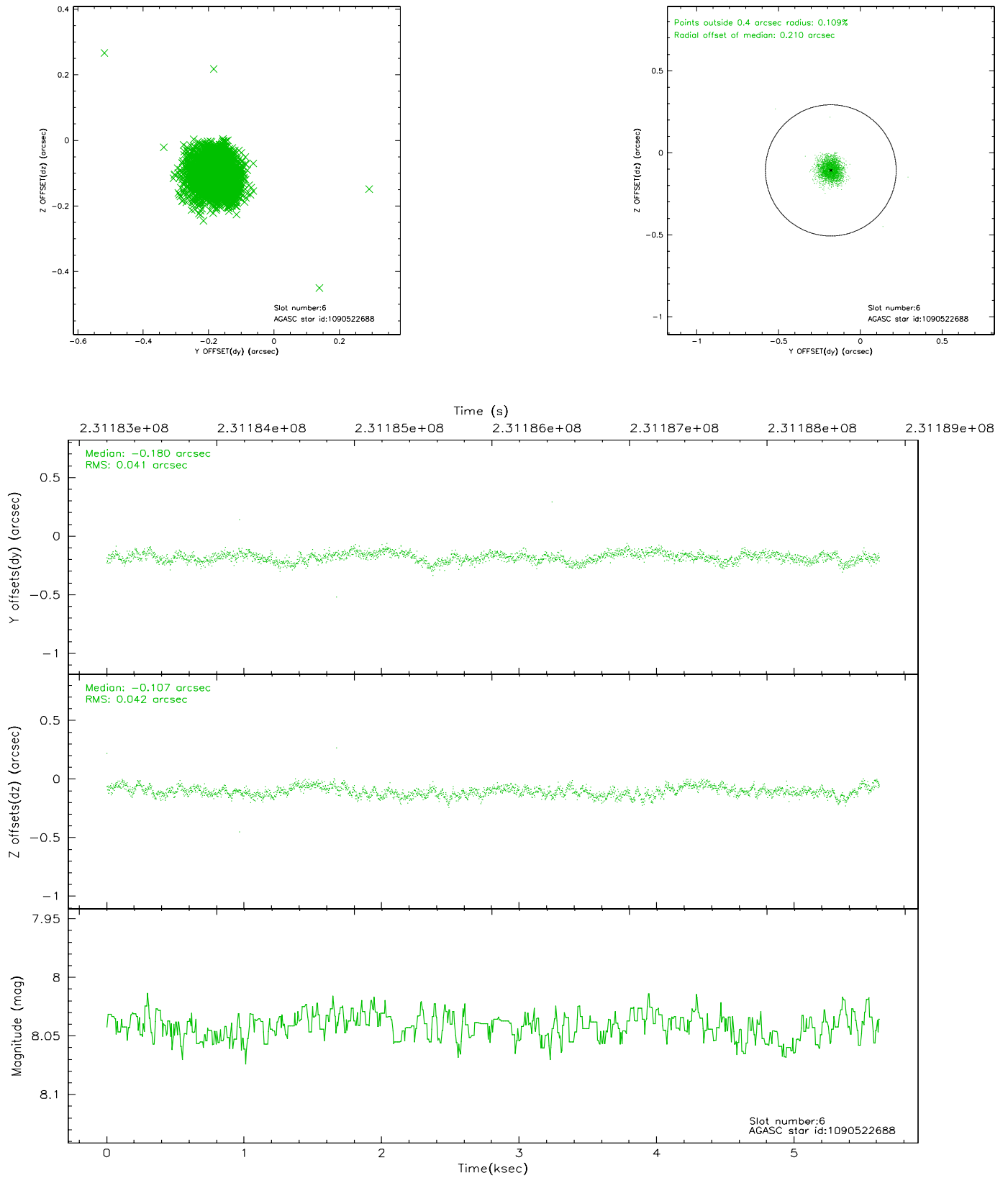
## 2.4.2 Slot 4



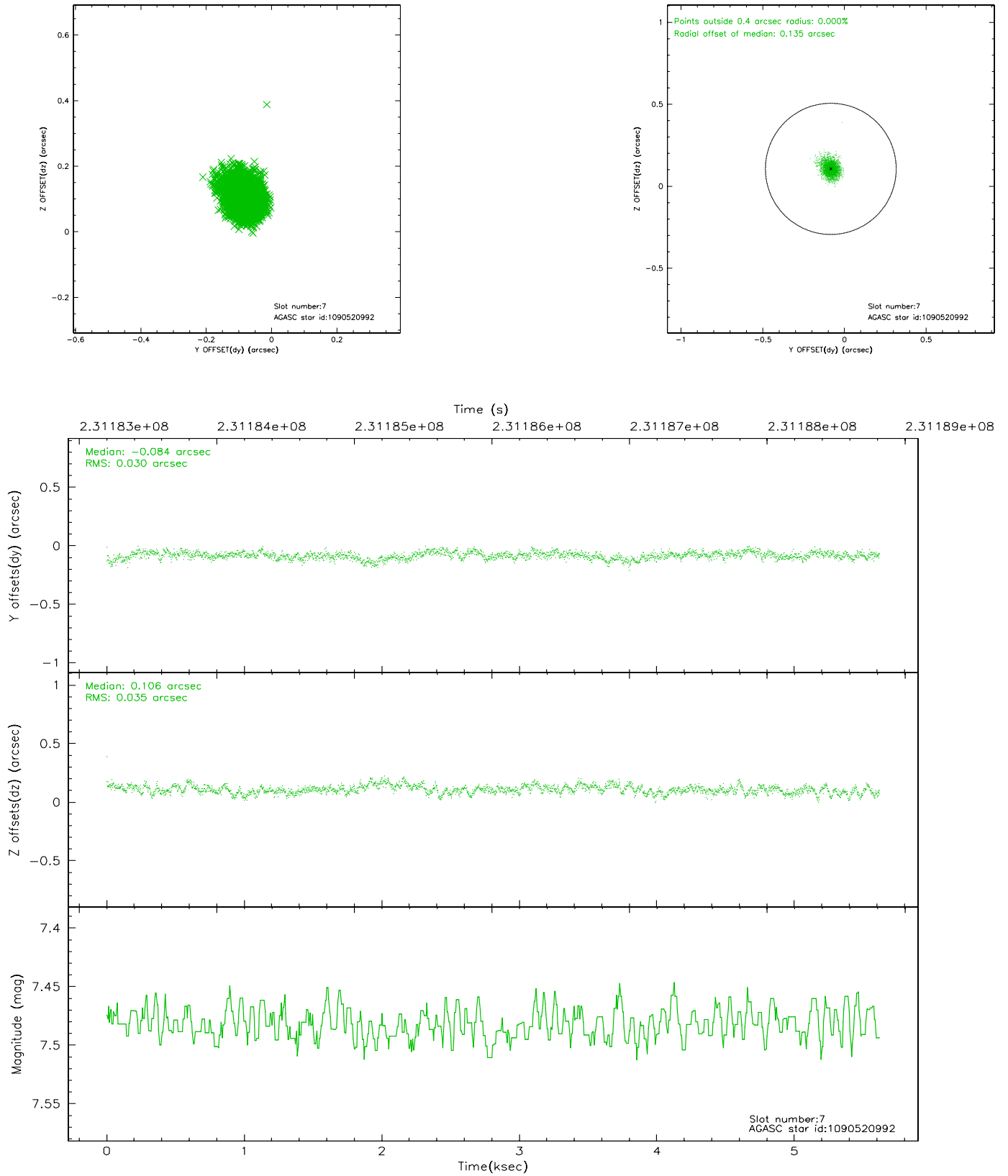
### 2.4.3 Slot 5



## 2.4.4 Slot 6

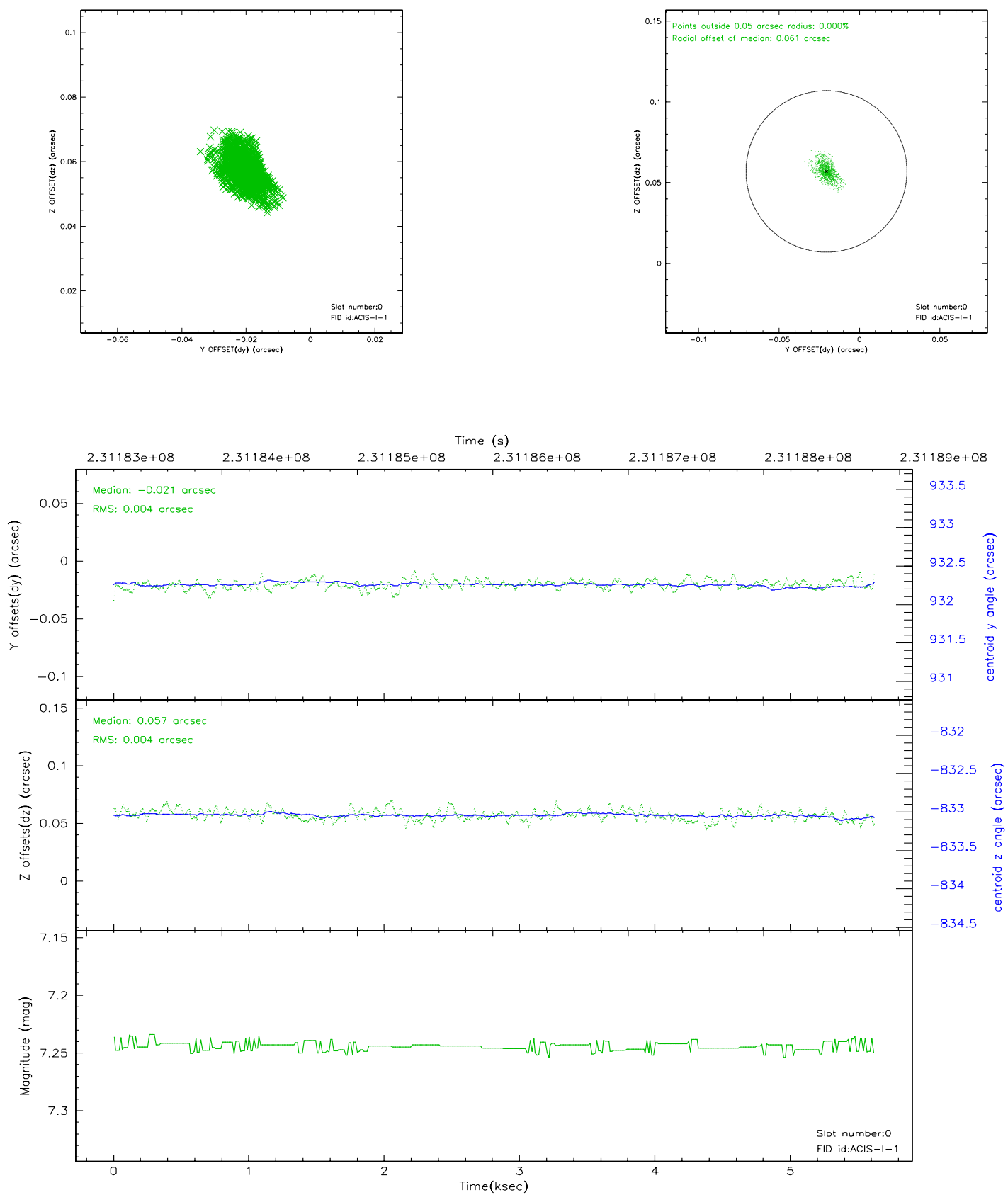


## 2.4.5 Slot 7

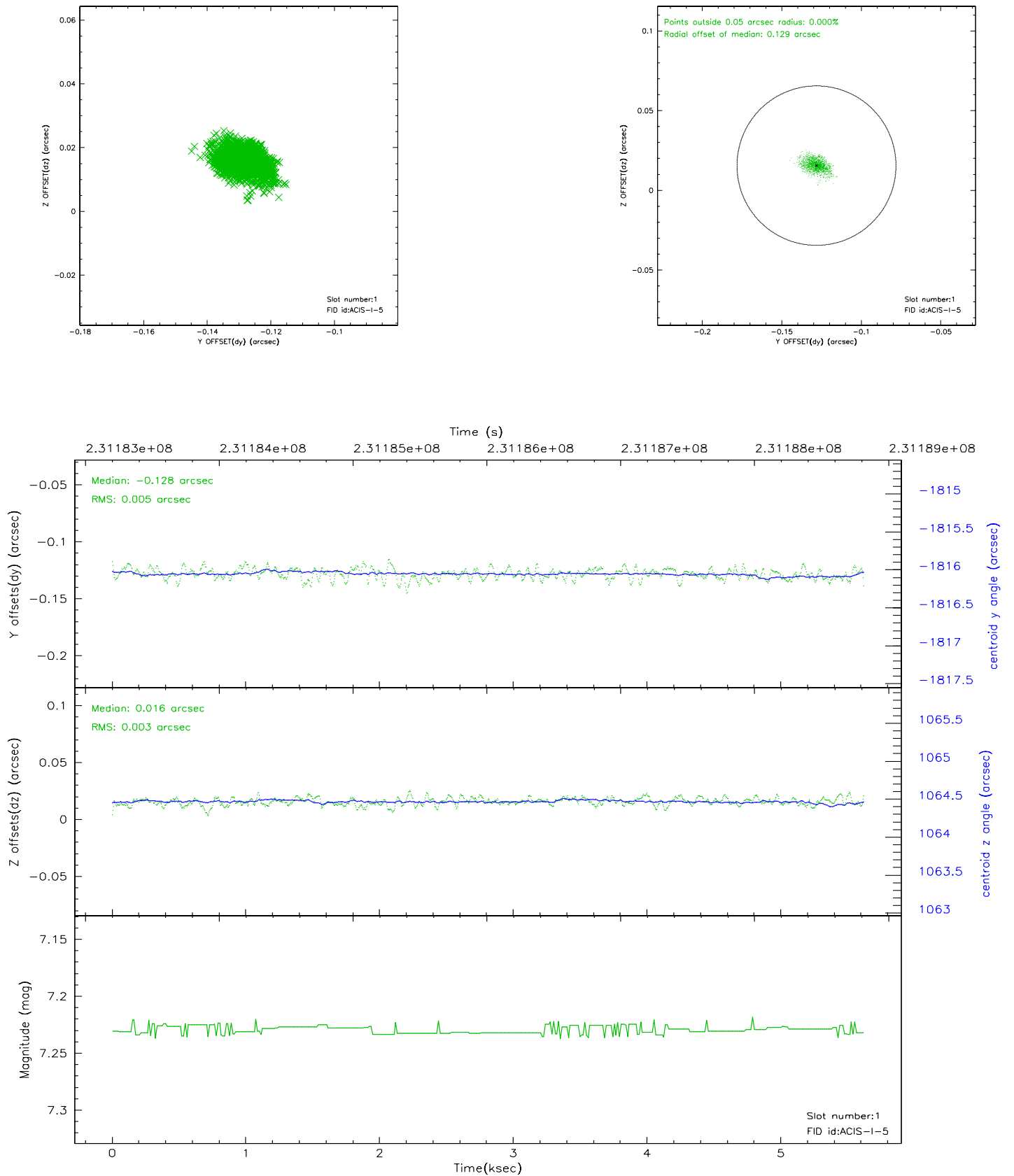


## 2.5 FID Slots

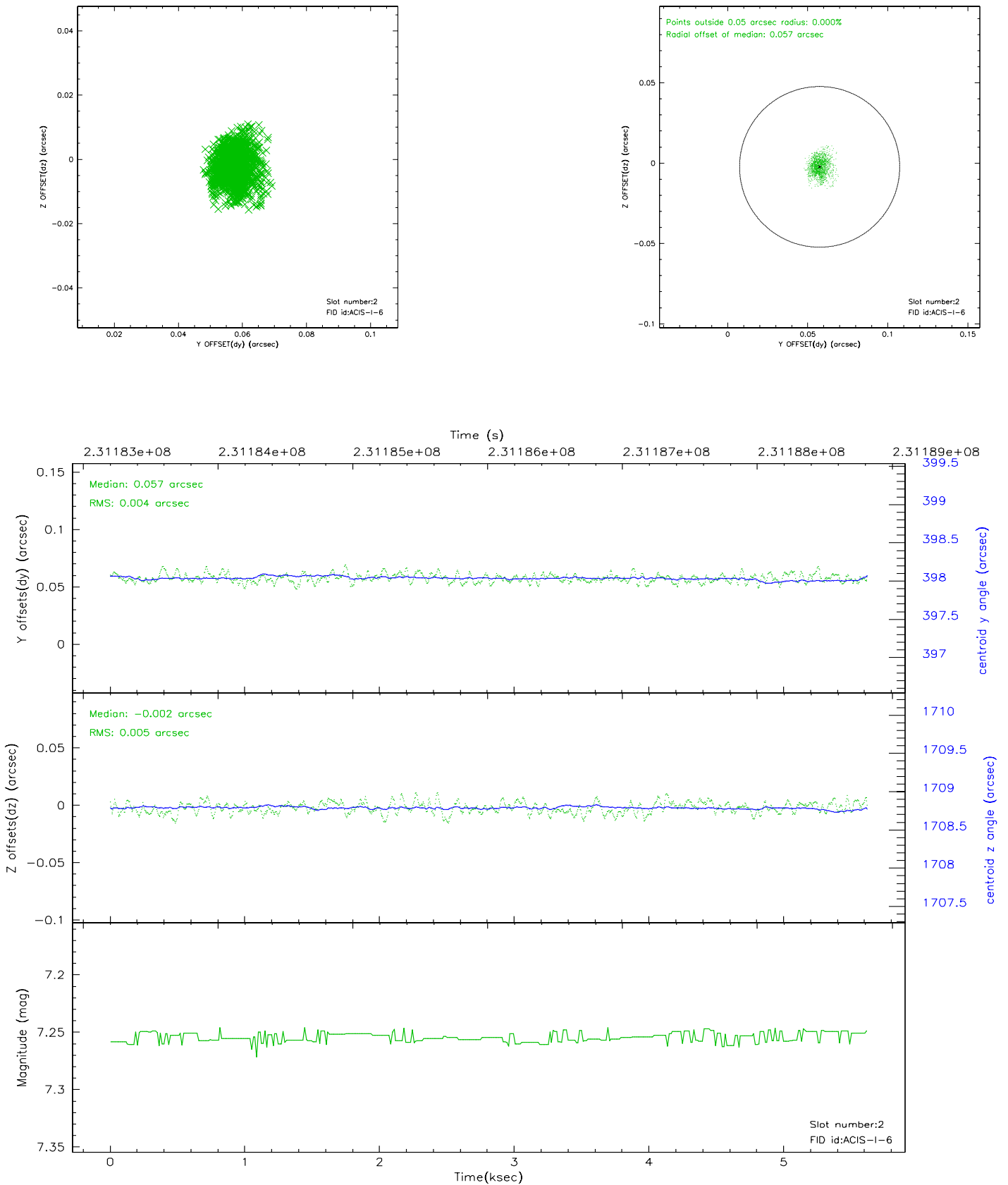
### 2.5.1 Slot 0



## 2.5.2 Slot 1

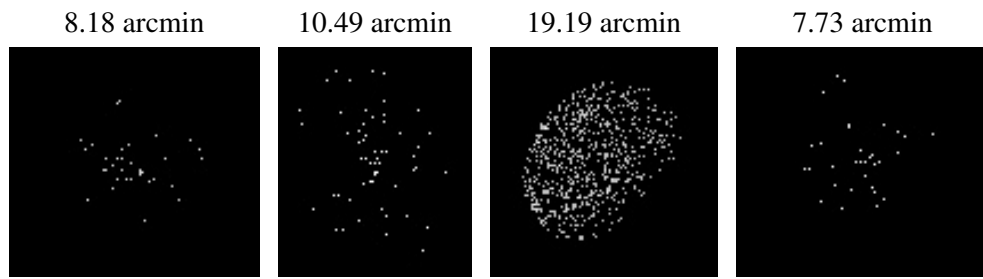


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.812799

### A.2 Comments