

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 4202 - L2 Version 001  
Chandra X-Ray Center

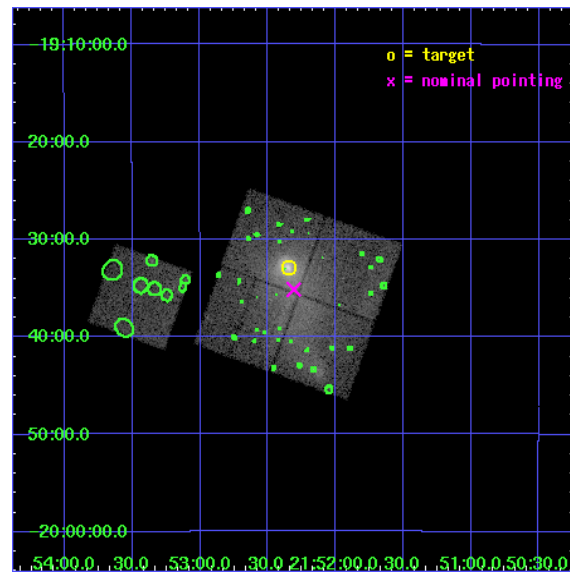
L2 Processing Date : Oct 9 2006

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# 1 Front

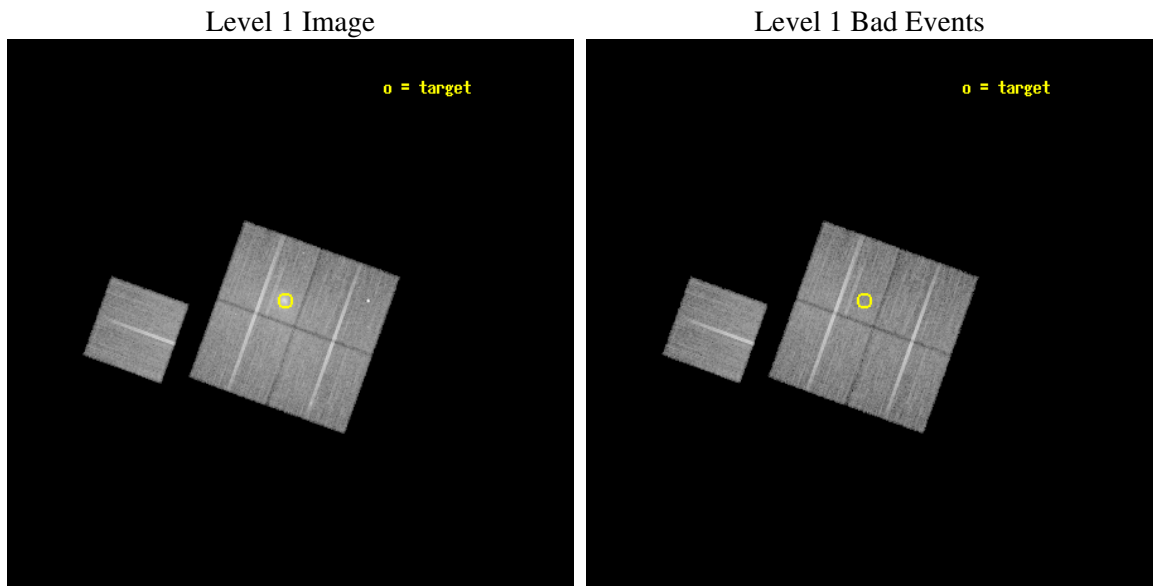
seq_num	800358
obs_id	4202
title	CHANDRA OBSERVATIONS OF TWO DYNAMICALLY YOUNG GALAXY CLUSTERS A2069 AND A2384
observer	Dr Maxim Markevitch
object	A2384
dtcycle	0
cycle	P
ra_targ	328.0875
dec_targ	-19.547778
ra_nom	328.07729233834
dec_nom	-19.585813529191
roll_nom	289.78960089052
revision	2
ontime	31864.81799829
livetime	31448.480692605
ontime0	31871.09993872
ontime1	31864.817958415
ontime2	31867.958948582
ontime3	31864.81799829
ontime6	31861.676968247
l2events	120533



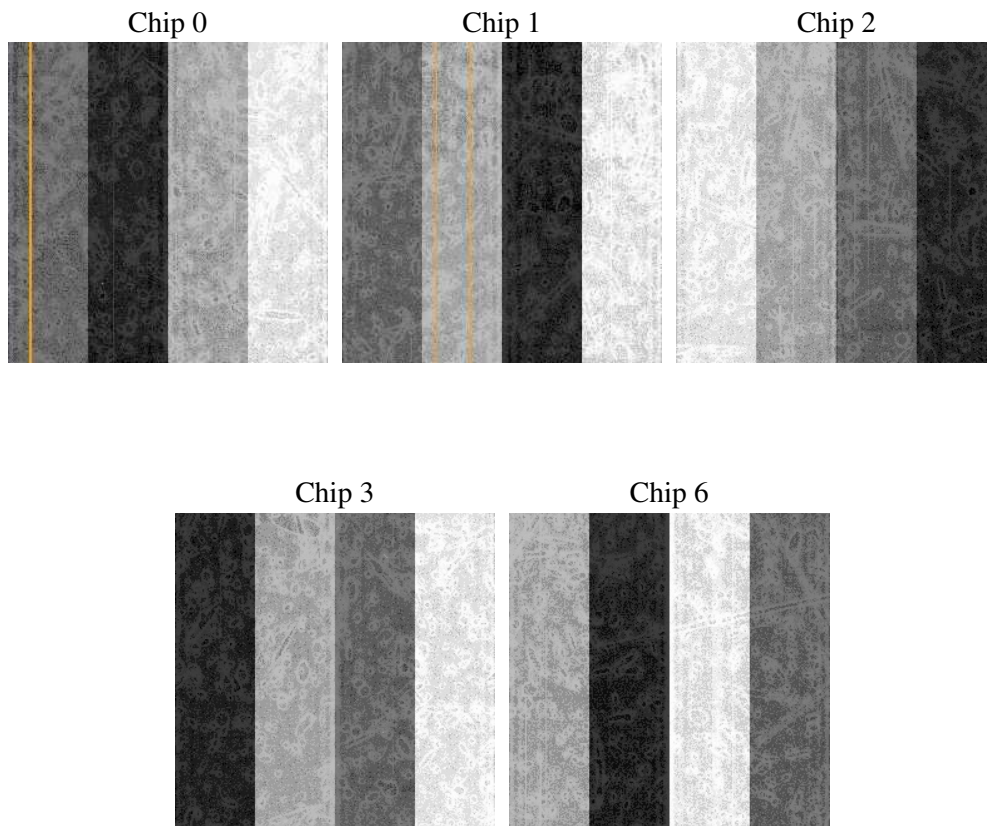
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-09T18:13:10
revision	2

sched_exp_time	31779.931000
ontime	31871.74246645
ontime0	31878.02440688
ontime1	31871.742456496
ontime2	31874.883446664
ontime3	31871.74246645
ontime6	31868.601466328
l1events	811500

### 2.1.4 Events

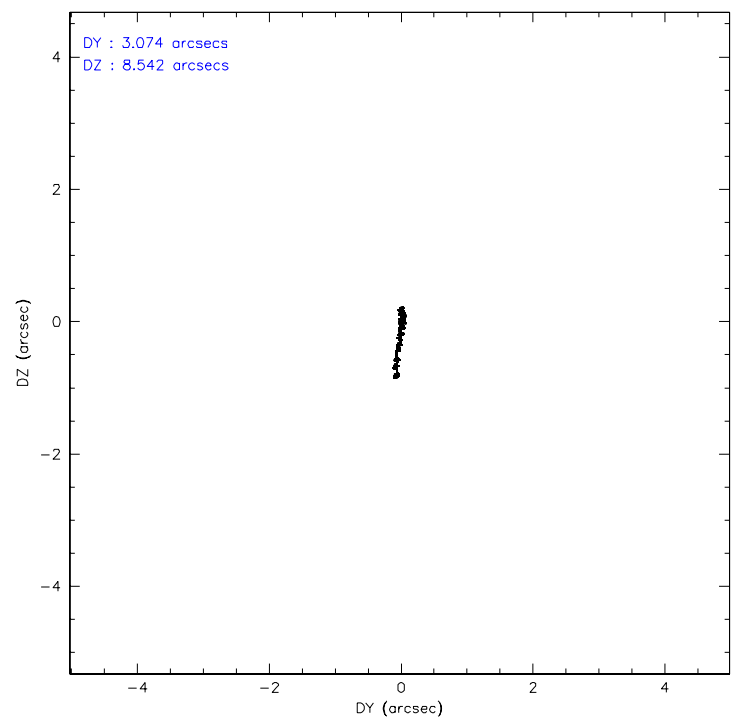
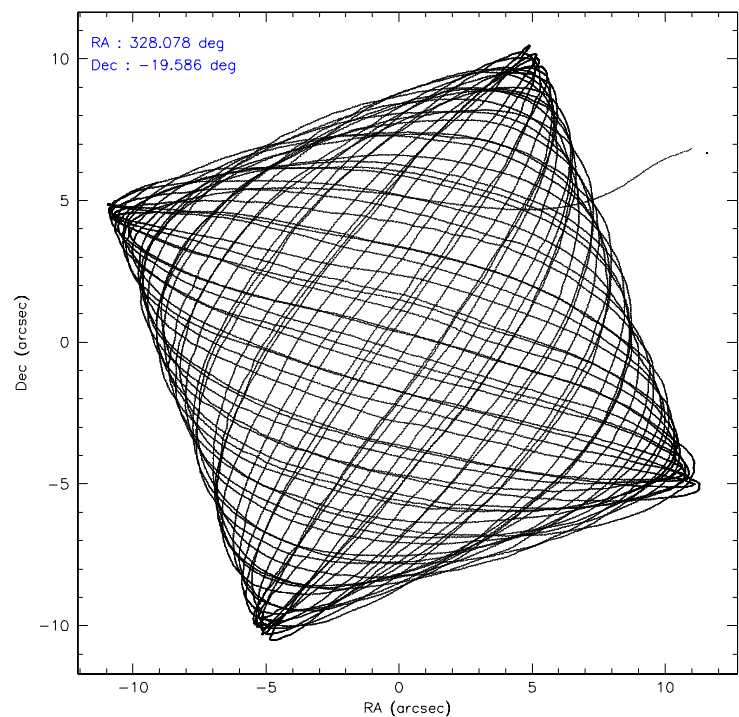
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	156937	148442	167446	182731	155944
rejected events	127820	122147	142882	142435	139877
rejected %	81%	82%	85%	77%	89%

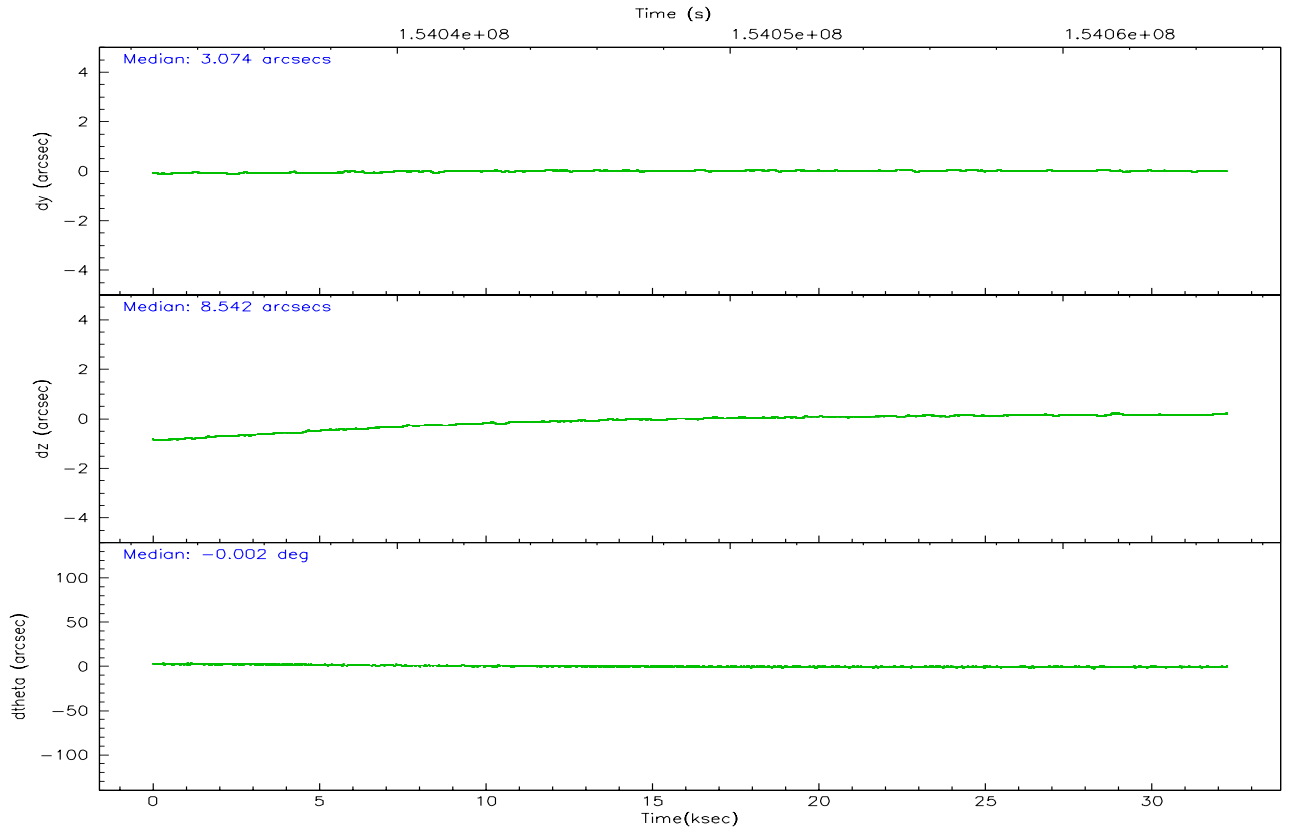
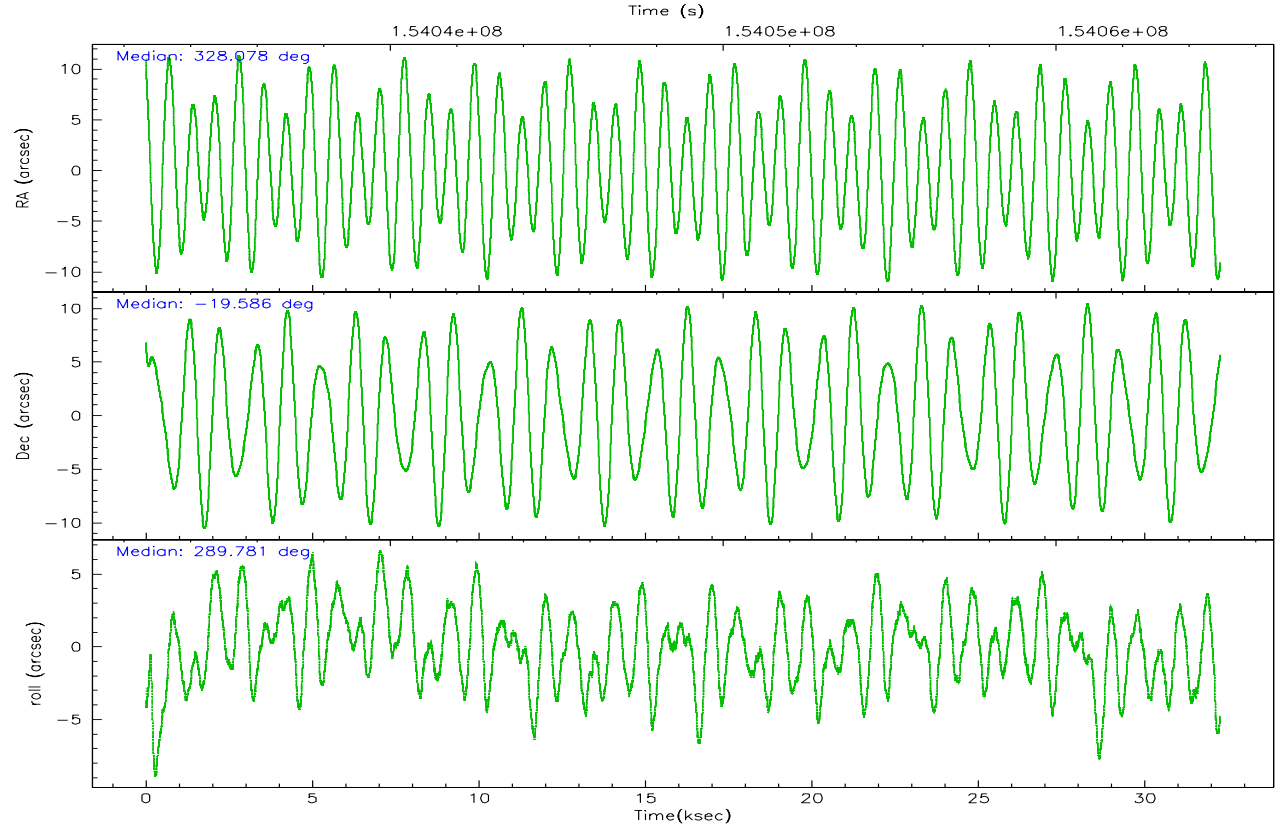
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	16733	14020	13514	26737	6000
	10%	9%	8%	14%	3%
grade 1 events	118	96	111	192	59
	0%	0%	0%	0%	0%
grade 2 events	4776	4445	4242	5356	3325
	3%	2%	2%	2%	2%
grade 3 events	2297	2121	1905	2368	1712
	1%	1%	1%	1%	1%
grade 4 events	2046	2169	1957	2474	1809
	1%	1%	1%	1%	1%
grade 5 events	5164	5563	5005	6010	5955
	3%	3%	2%	3%	3%
grade 6 events	3269	3543	2951	3370	3223
	2%	2%	1%	1%	2%
grade 7 events	122534	116485	137761	136224	133861
	78%	78%	82%	74%	85%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	328.055045	328.0772923383381	Subarray requested	NONE	NONE
Pointing Dec	-19.568213	-19.58581352919123	Alternating exposures requested	N	N
Pointing Roll	289.573468	289.7896008905246	Primary exposure time	0.000000	3.1
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	154033152.184000	154032046.69901			
Observation start date	2002-11-18T18:58:08	2002-11-18T18:40:46			
Observation end time	154064932.184000	154065176.75039			
Observation end date	2002-11-19T03:47:48	2002-11-19T03:52:56			
Read mode	TIMED	TIMED			

### 2.3 Aspect





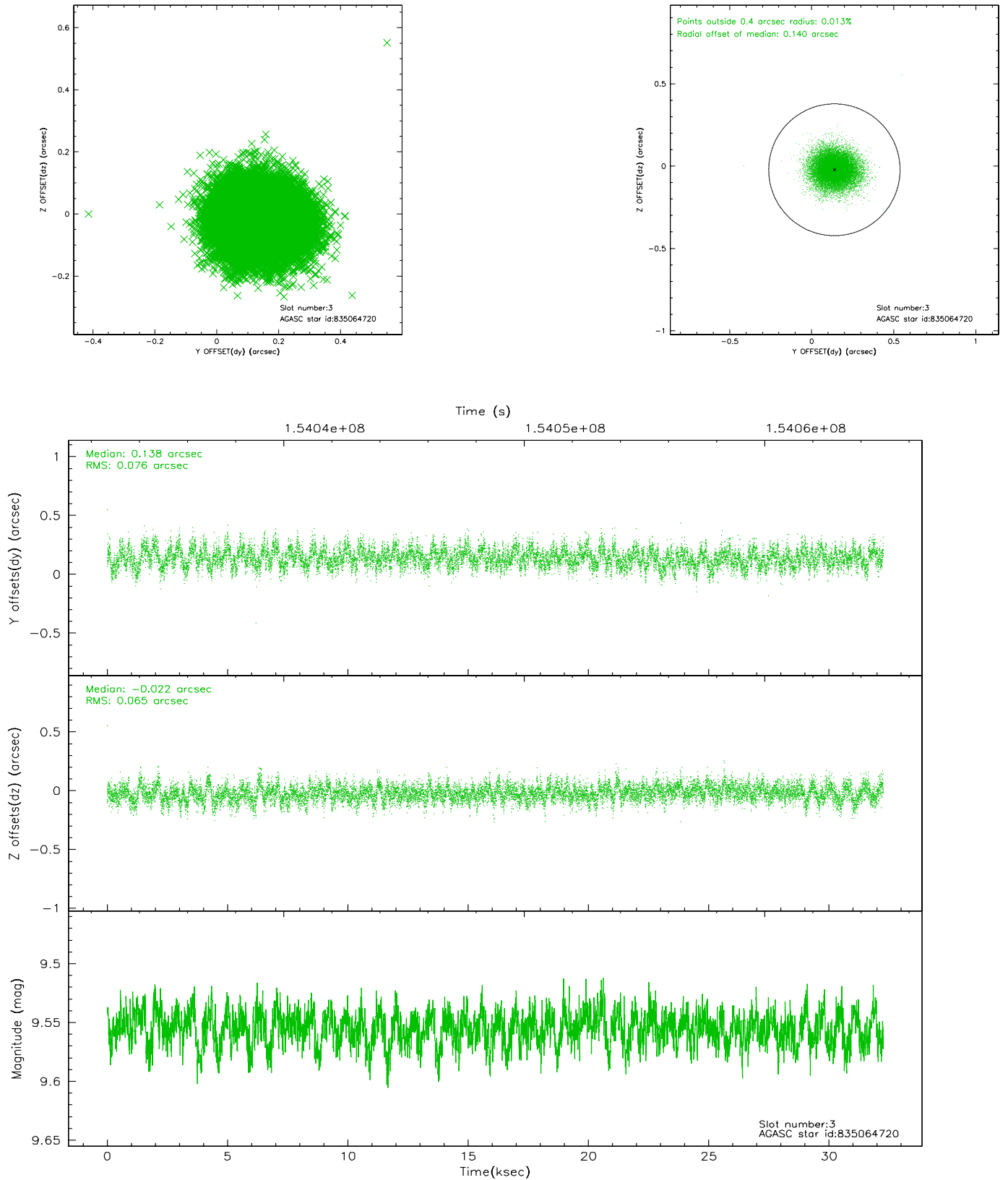
### Slot Statistics

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	7867	-0.046	0.098	0.009	0.025	0.000000	0.000000	936.68	-831.77
1	FID	ACIS-I-5	7.24	7867	-0.029	0.025	0.008	0.015	0.000000	0.000000	-1811.38	1065.63
2	FID	ACIS-I-6	7.26	7867	-0.016	-0.052	0.009	0.019	0.000000	0.000000	402.19	1710.12
3	GUIDE	835064720	9.56	15726	0.138	-0.022	0.107	0.172	327.917987	-20.130051	1750.35	-1114.54
4	GUIDE	835065480	9.90	15724	-0.039	-0.086	0.104	0.173	327.496470	-19.795347	139.19	-2058.40
5	GUIDE	836112160	9.64	15724	-0.113	-0.062	0.115	0.190	328.033111	-19.133644	-1499.88	452.84
6	GUIDE	836112336	8.61	15731	-0.131	0.075	0.065	0.105	328.256038	-19.151604	-1184.75	1145.62
7	GUIDE	836112536	9.09	15731	0.147	0.094	0.095	0.153	328.827188	-19.639030	1121.93	2379.11

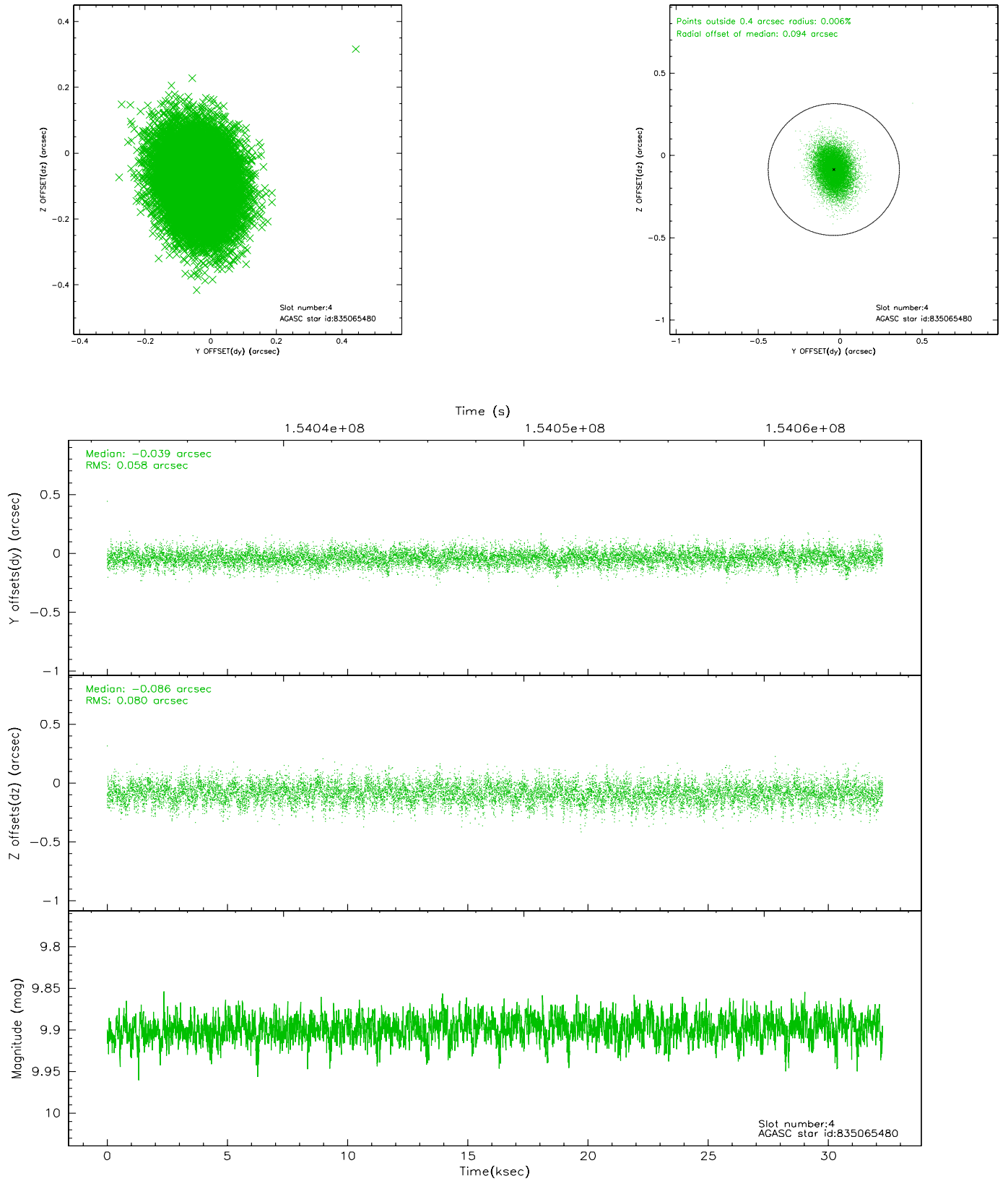


## 2.4 Star Slots

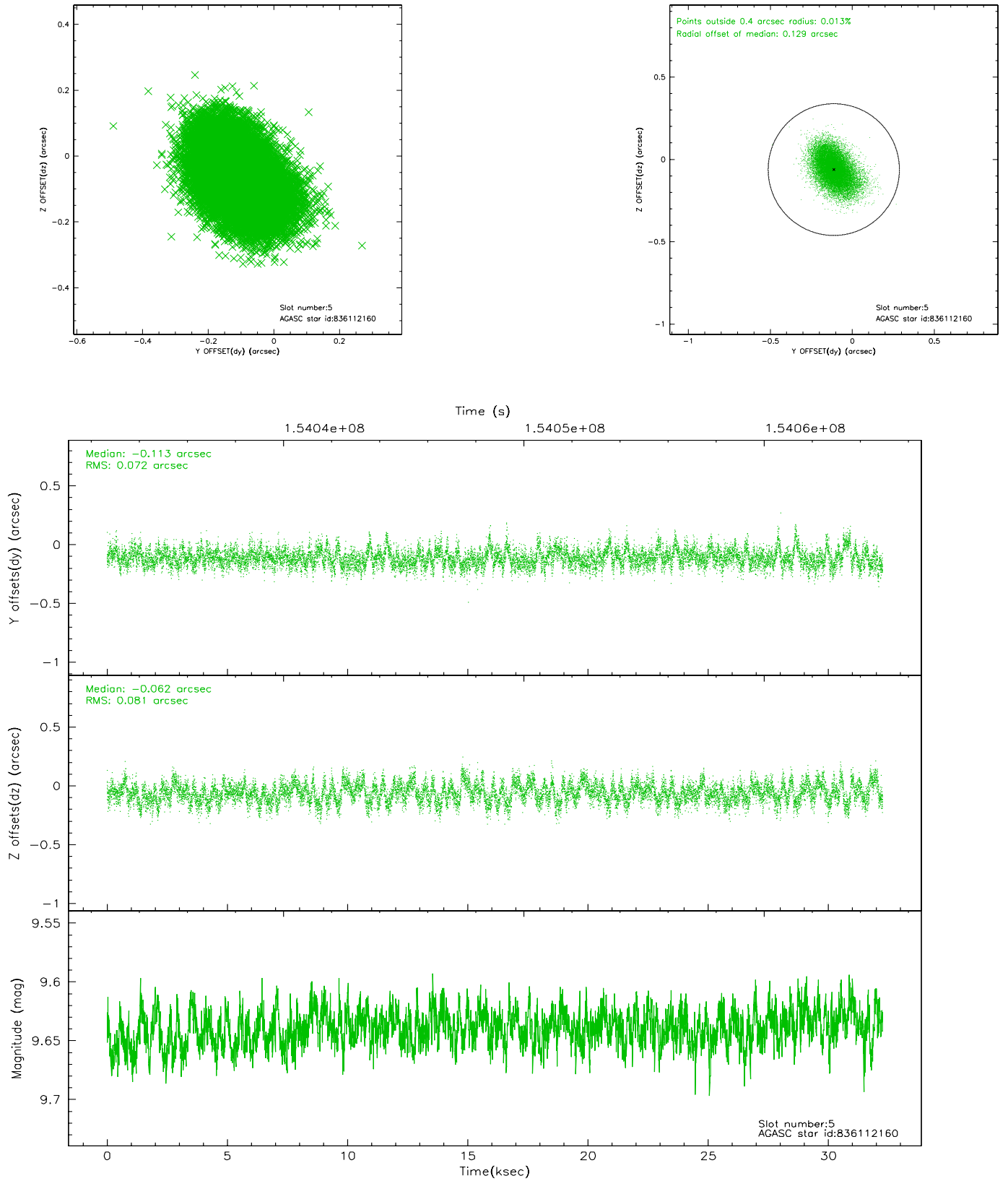
### 2.4.1 Slot 3



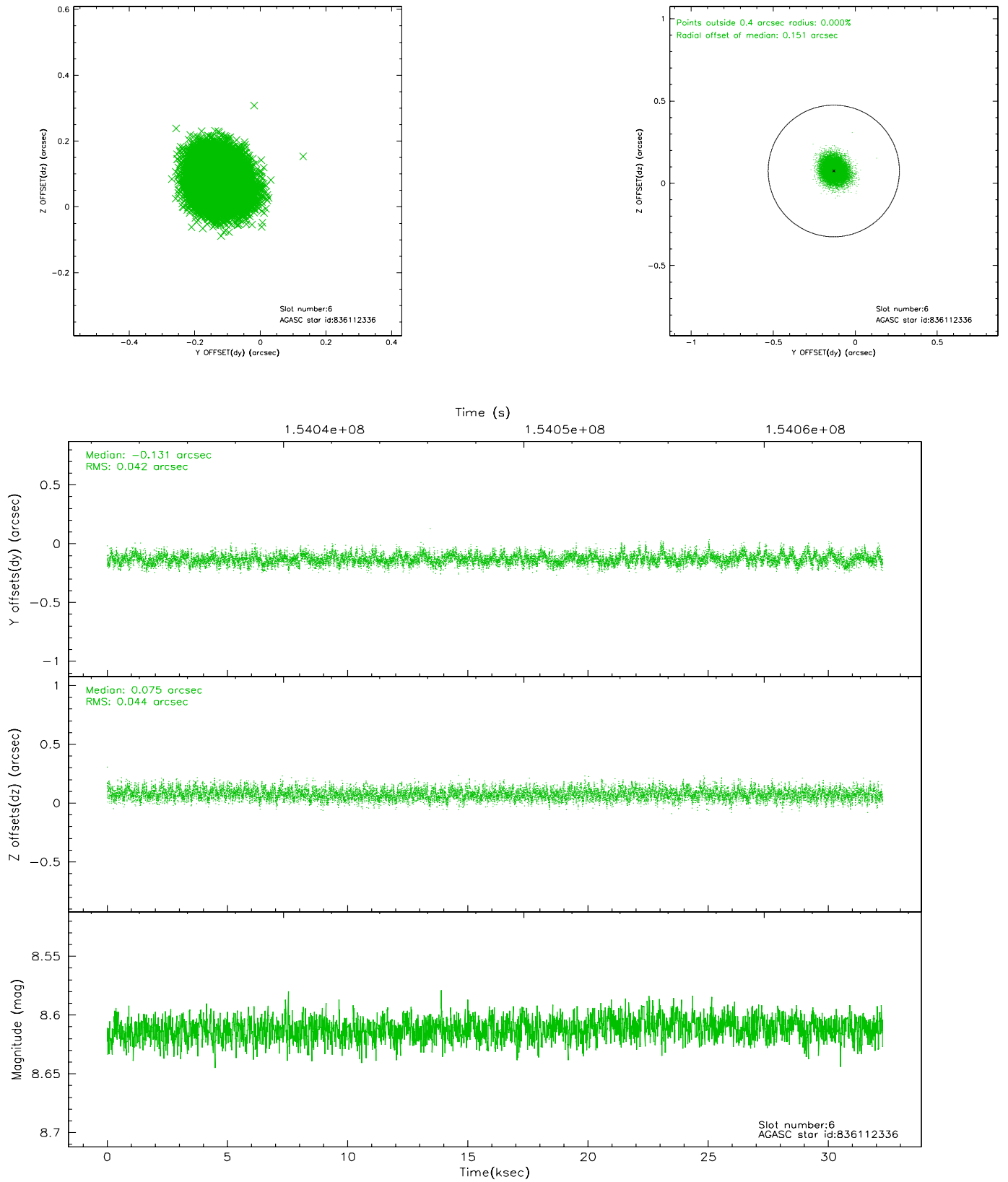
## 2.4.2 Slot 4



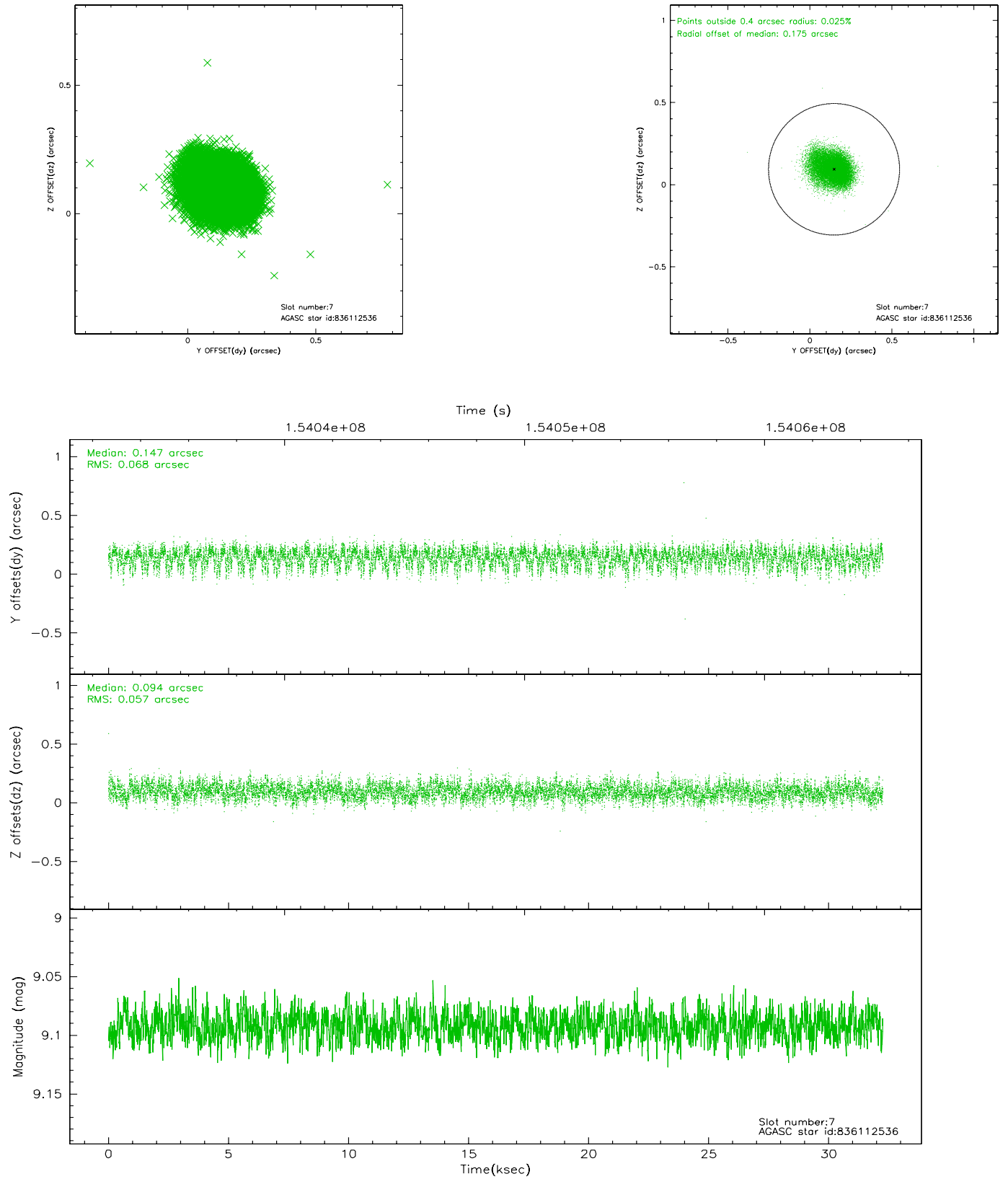
### 2.4.3 Slot 5



## 2.4.4 Slot 6

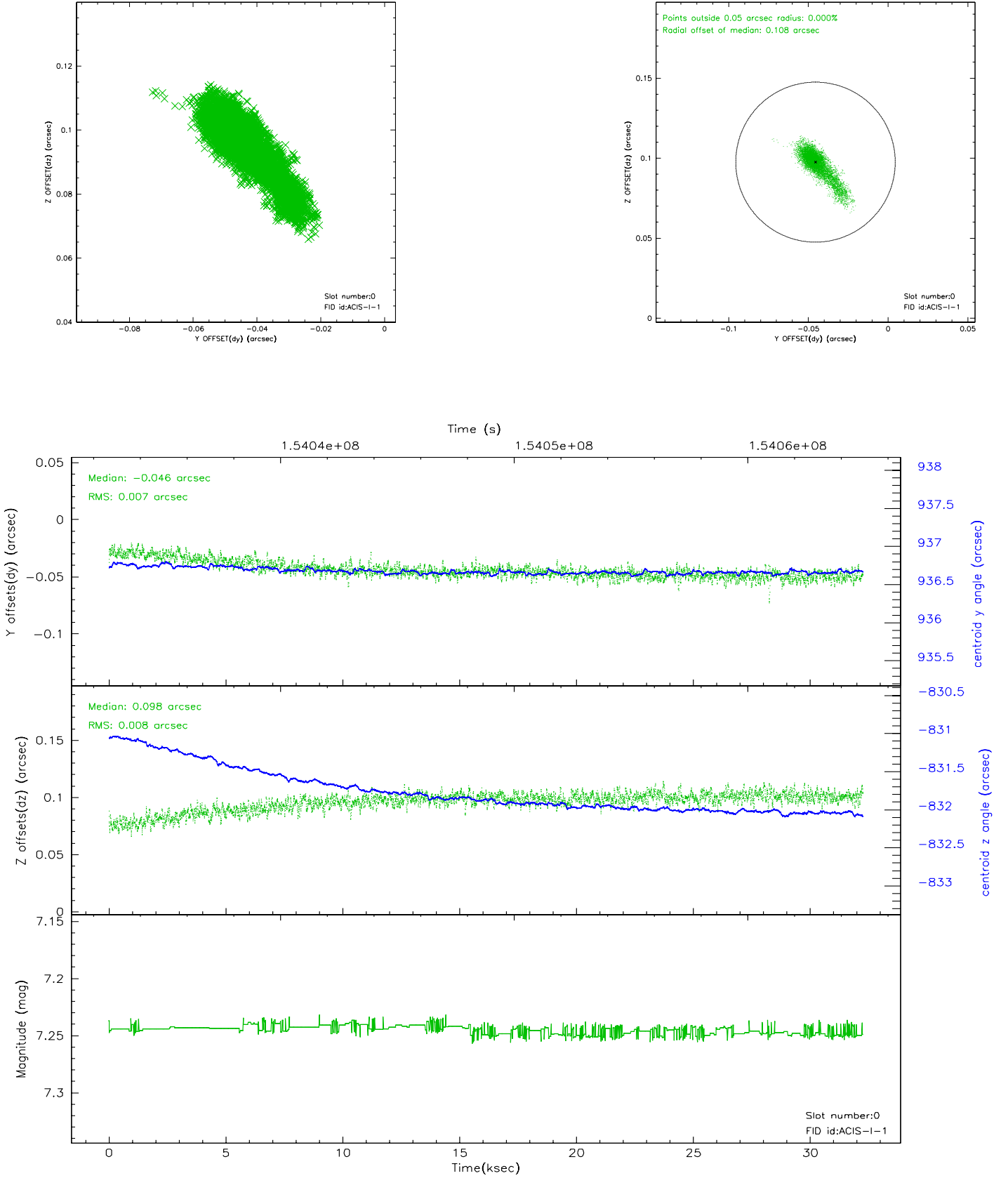


## 2.4.5 Slot 7

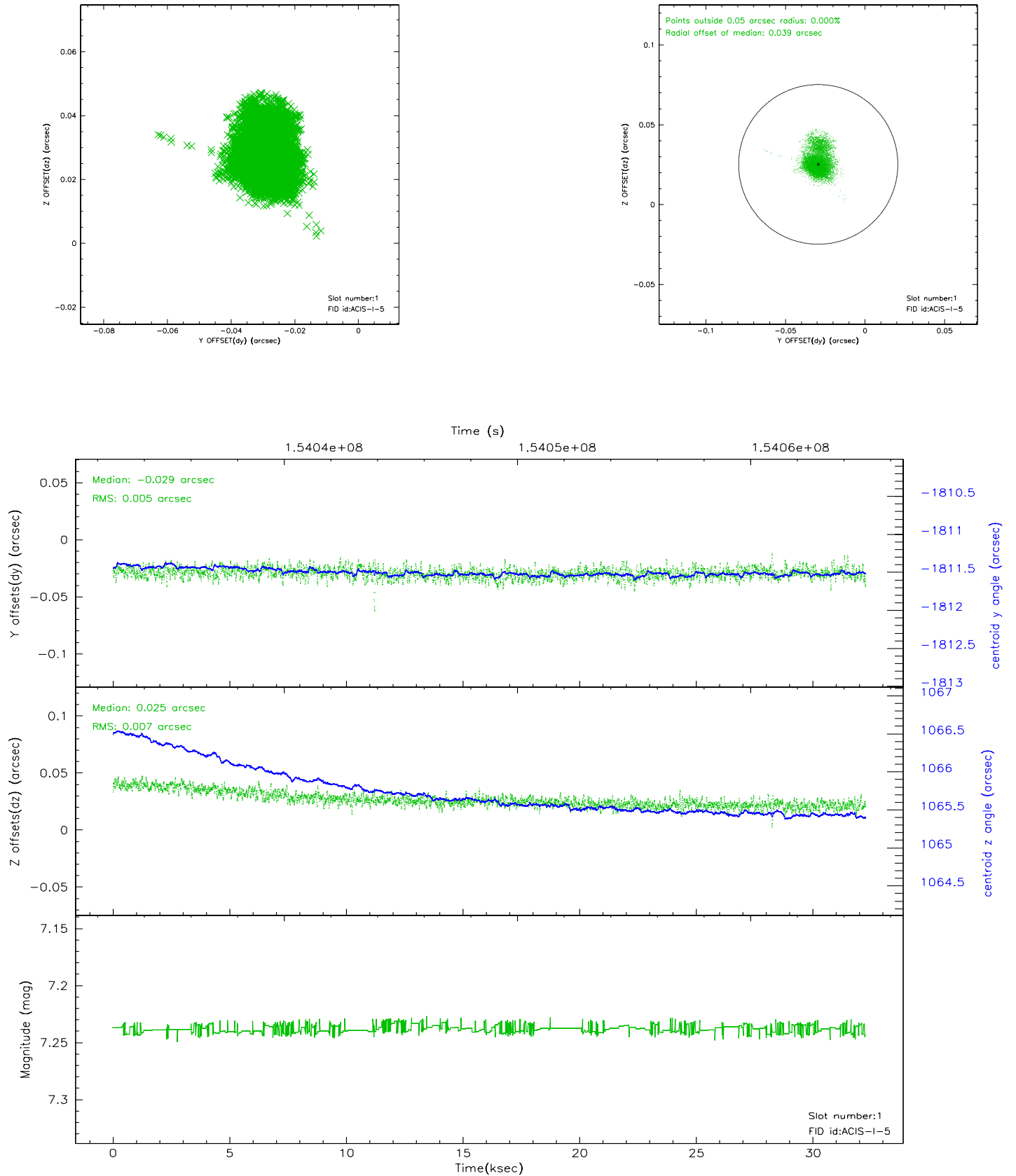


## 2.5 FID Slots

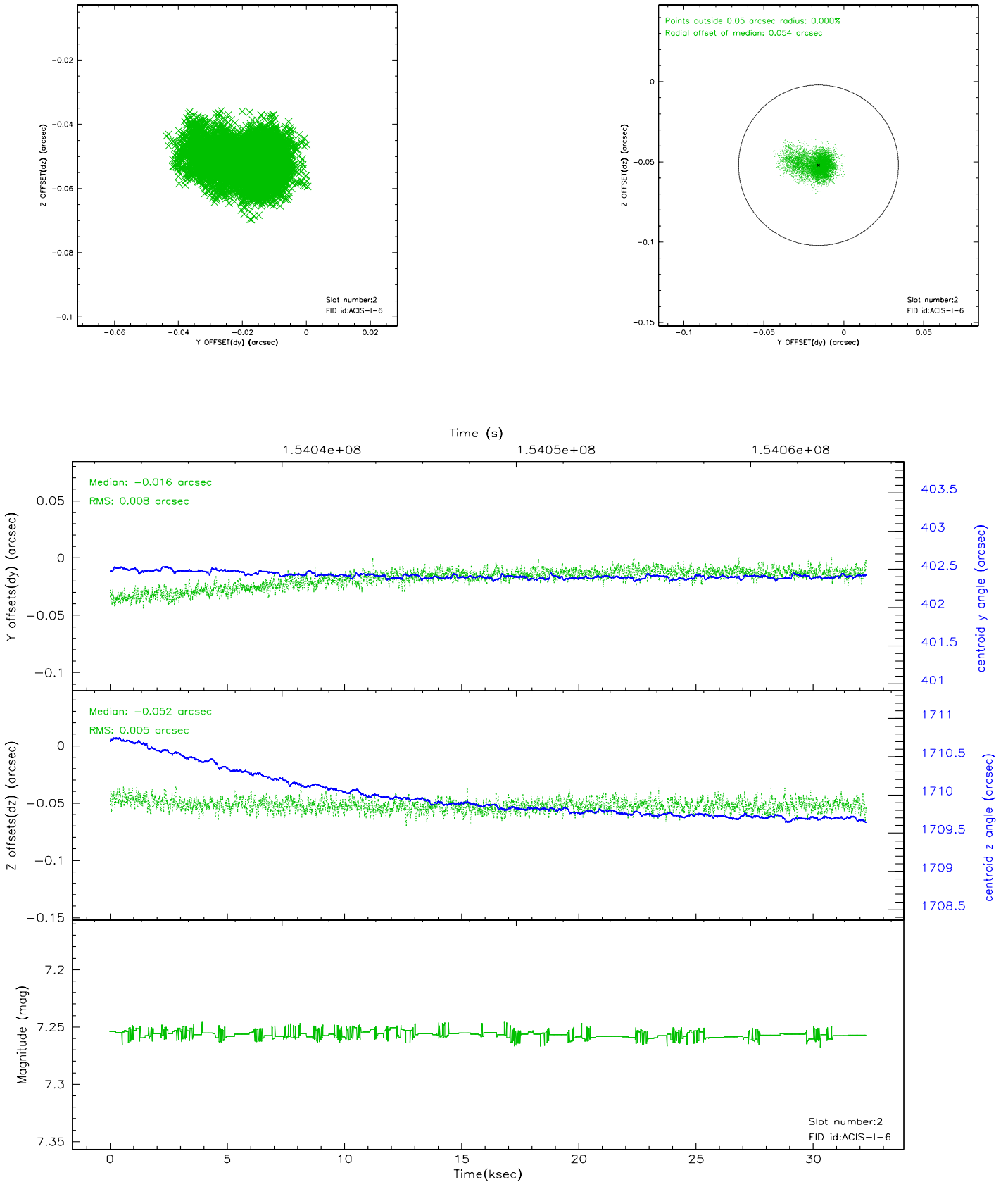
### 2.5.1 Slot 0



## 2.5.2 Slot 1

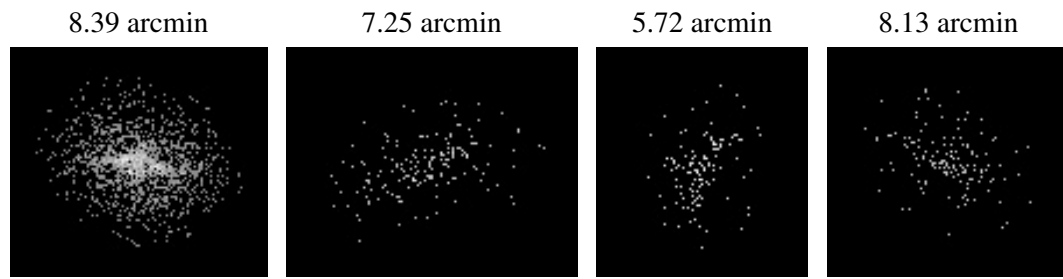


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.868

### A.2 Comments