

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3184 - L2 Version 001  
Chandra X-Ray Center

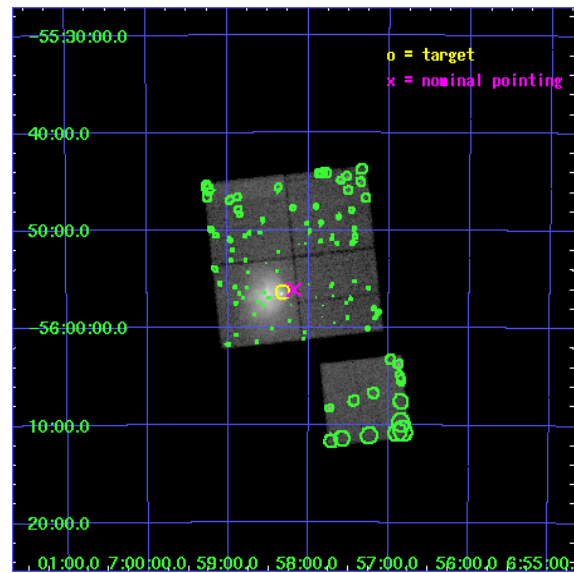
L2 Processing Date : Sep 23 2006

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# 1 Front

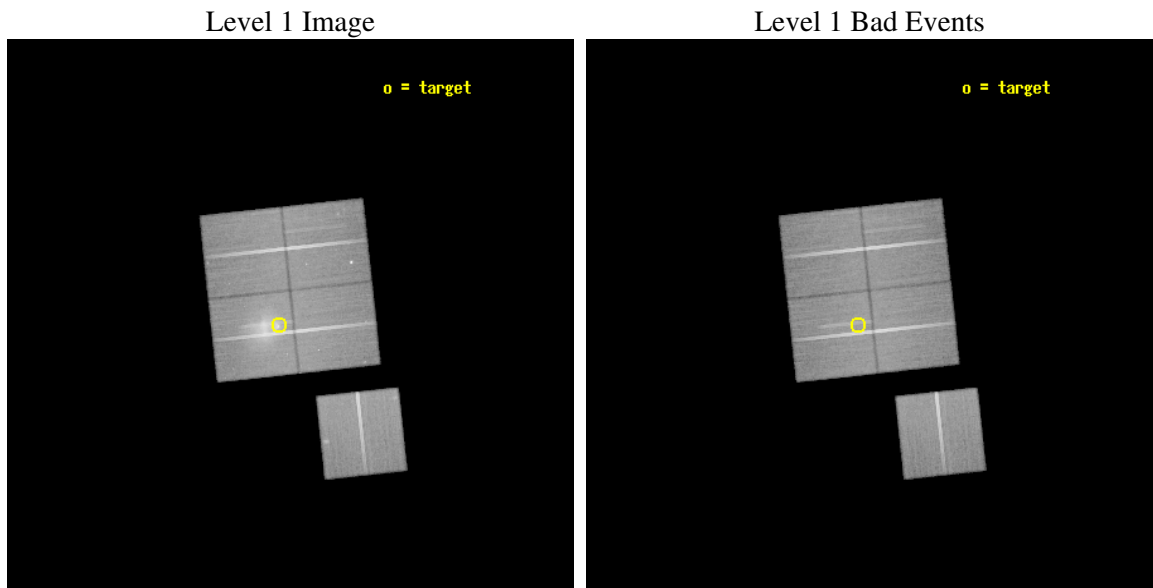
seq_num	800184
obs_id	3184
title	A DETAILED STUDY OF THE CLUSTER 1E 0657-56
observer	Dr. Stephen Murray
object	1E 0657-56
dtcycle	0
cycle	P
ra_targ	104.582083
dec_targ	-55.938889
ra_nom	104.54522880759
dec_nom	-55.934776598367
roll_nom	173.85463833212
revision	2
ontime	88631.731017917
livetime	87473.692202437
ontime0	88628.590007901
ontime1	88631.731007874
ontime2	88628.589997828
ontime3	88631.731017917
ontime6	88619.167127162
l2events	345519



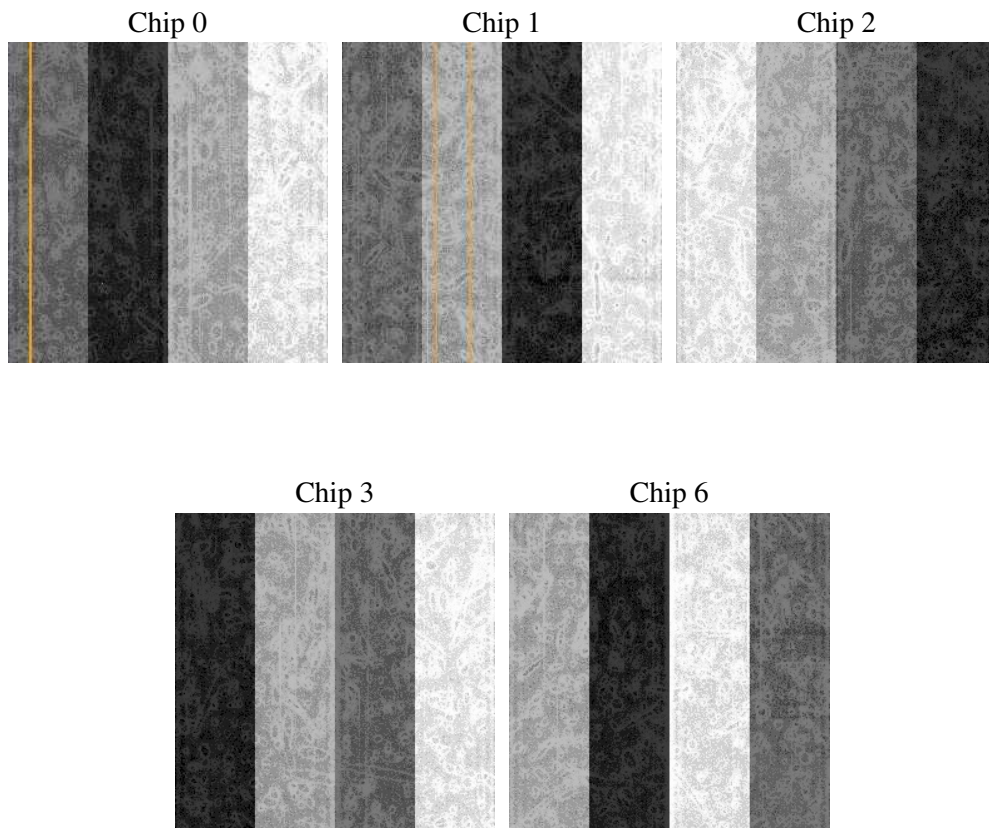
## 2 OBI

### 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	2006-09-23T00:46:44
revision	2

sched_exp_time	88500.000000
ontime	88635.905739039
ontime0	88632.764729023
ontime1	88635.905728996
ontime2	88632.76471895
ontime3	88635.905739039
ontime6	88623.341848284
l1events	2559025

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	472215	464120	500436	625387	496867
rejected events	417836	407503	449157	448004	443213
rejected %	88%	87%	89%	71%	89%

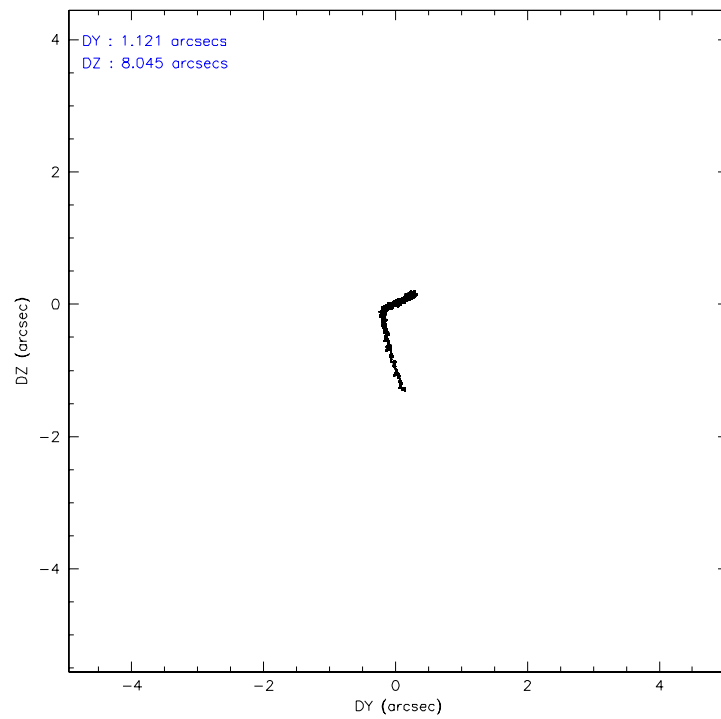
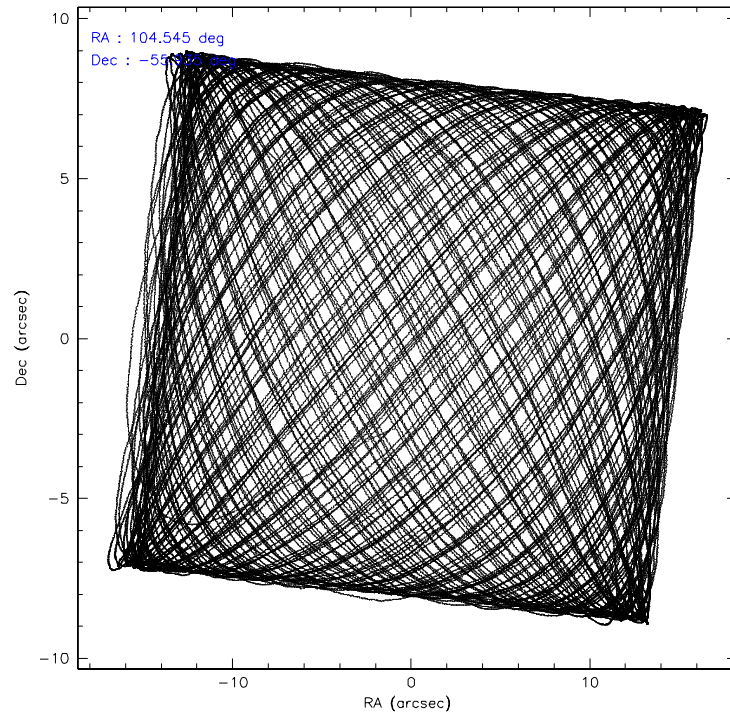
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	22059	22303	20749	123057	21625
	4%	4%	4%	19%	4%
grade 1 events	199	248	236	634	214
	0%	0%	0%	0%	0%
grade 2 events	11818	11370	11000	23190	10500
	2%	2%	2%	3%	2%
grade 3 events	5790	6250	5241	9443	5667
	1%	1%	1%	1%	1%
grade 4 events	5418	6064	5298	9165	5593
	1%	1%	1%	1%	1%
grade 5 events	15971	17428	14814	17652	17892
	3%	3%	2%	2%	3%
grade 6 events	9294	10632	8999	12543	10273
	1%	2%	1%	2%	2%
grade 7 events	401666	389825	434099	429703	425103
	85%	83%	86%	68%	85%

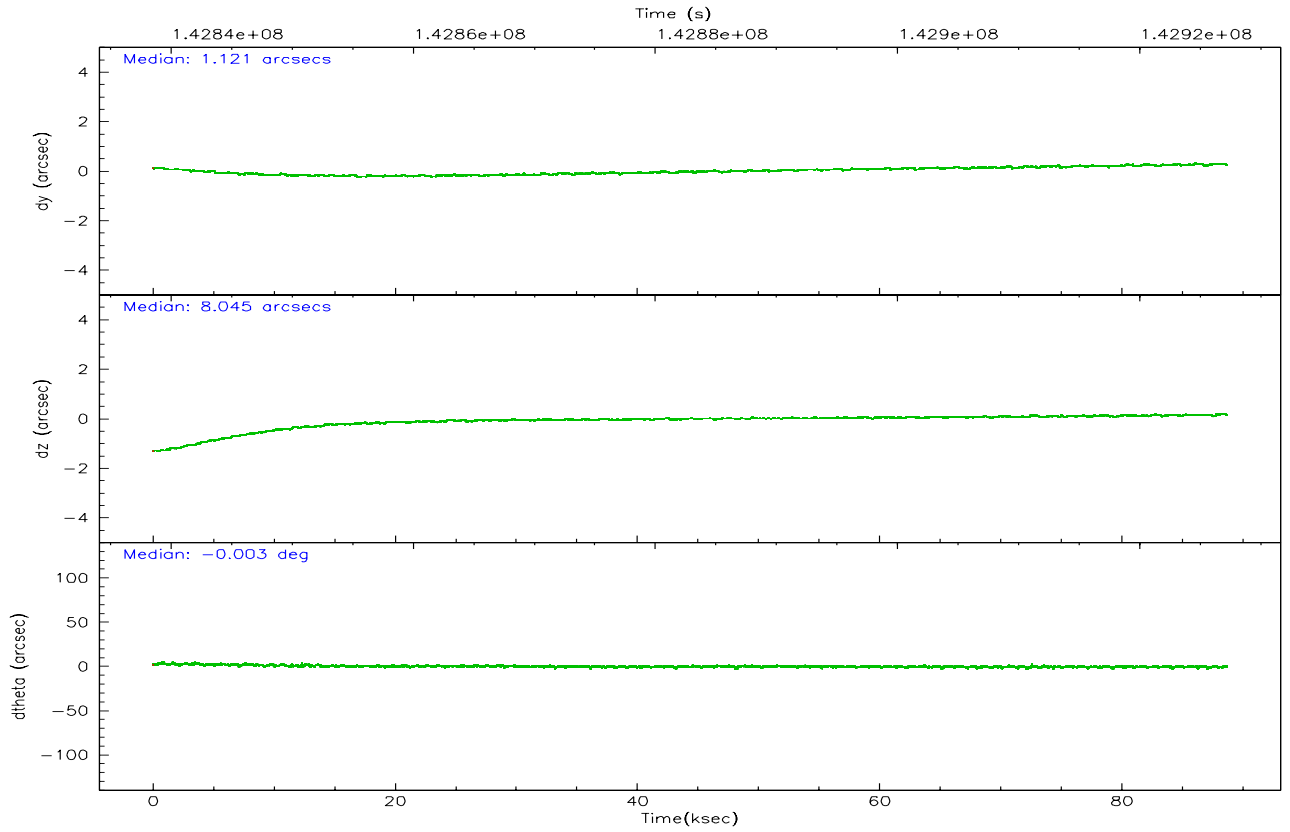
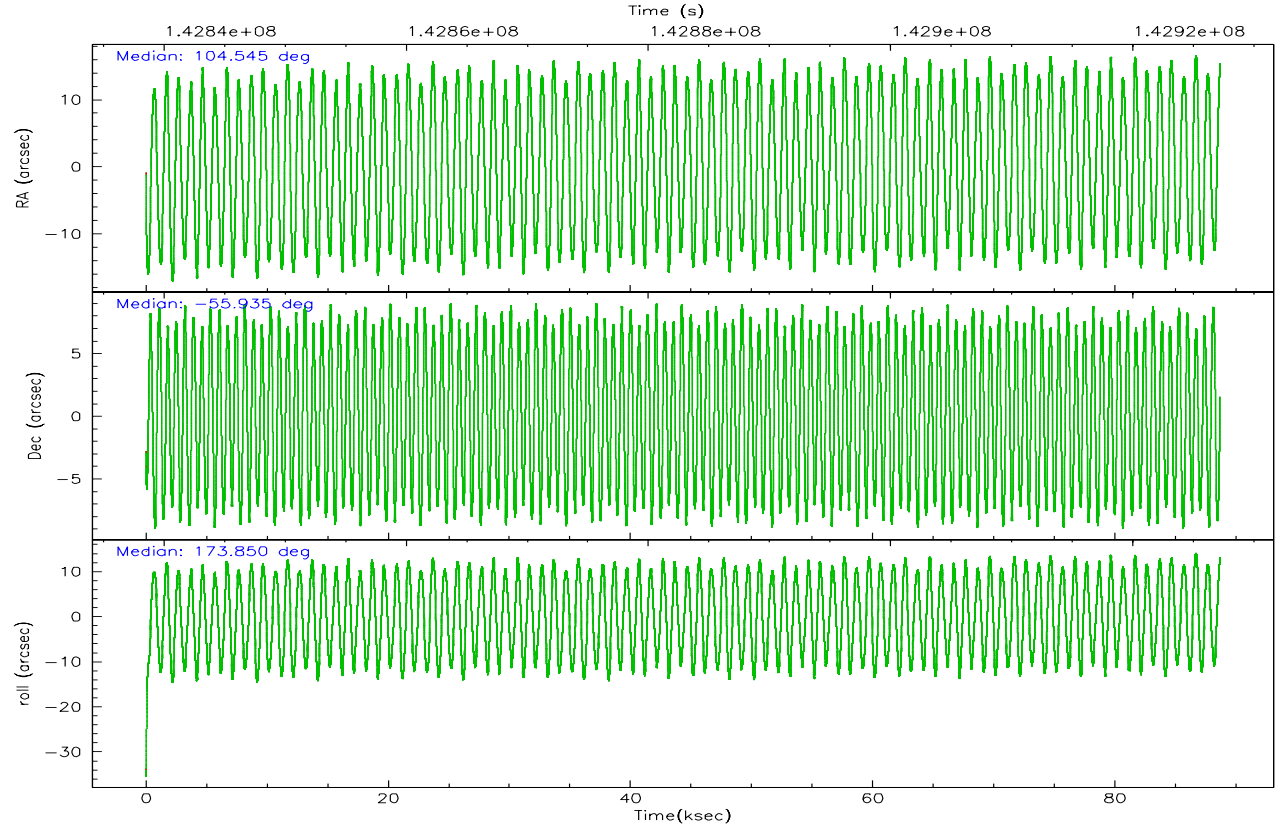


## 2.2 Compared Parameters

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	104.589893	104.5452288075859	Subarray requested	NONE	NONE
Pointing Dec	-55.923611	-55.93477659836702	Alternating exposures requested	N	N
Pointing Roll	173.682957	173.8546383321209	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)	-225.592463	-225.5818545406617			
SIM translation stage offset (mm)	-8	-8.010598462268035			
Observation start time	142838711.184000	142837600.47372			
Observation start date	2002-07-12T05:24:07	2002-07-12T05:06:40			
Observation end time	142927211.184000	142928854.68996			
Observation end date	2002-07-13T05:59:07	2002-07-13T06:27:34			
Read mode	TIMED	TIMED			

## 2.3 Aspect



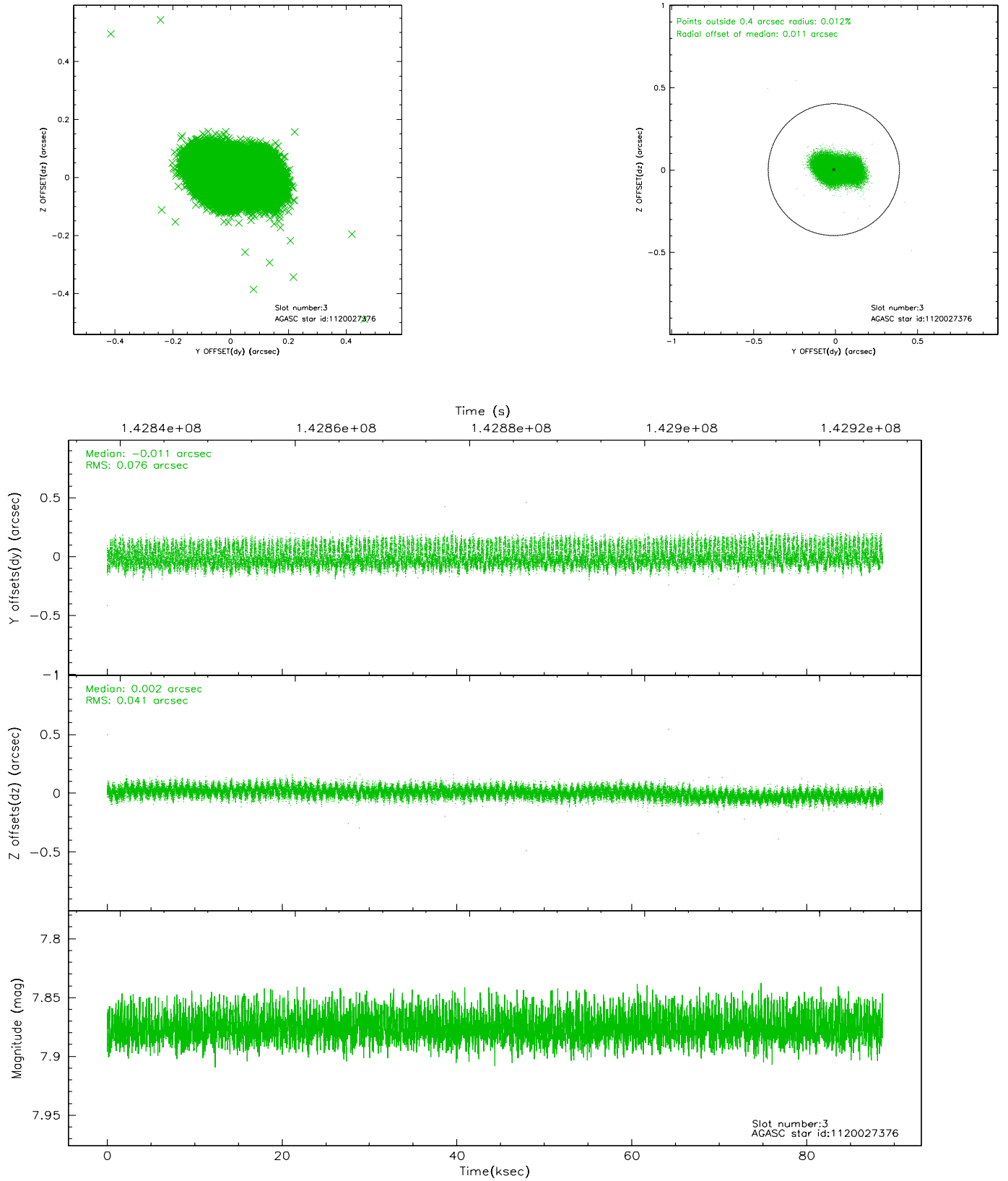


### Slot Statistics

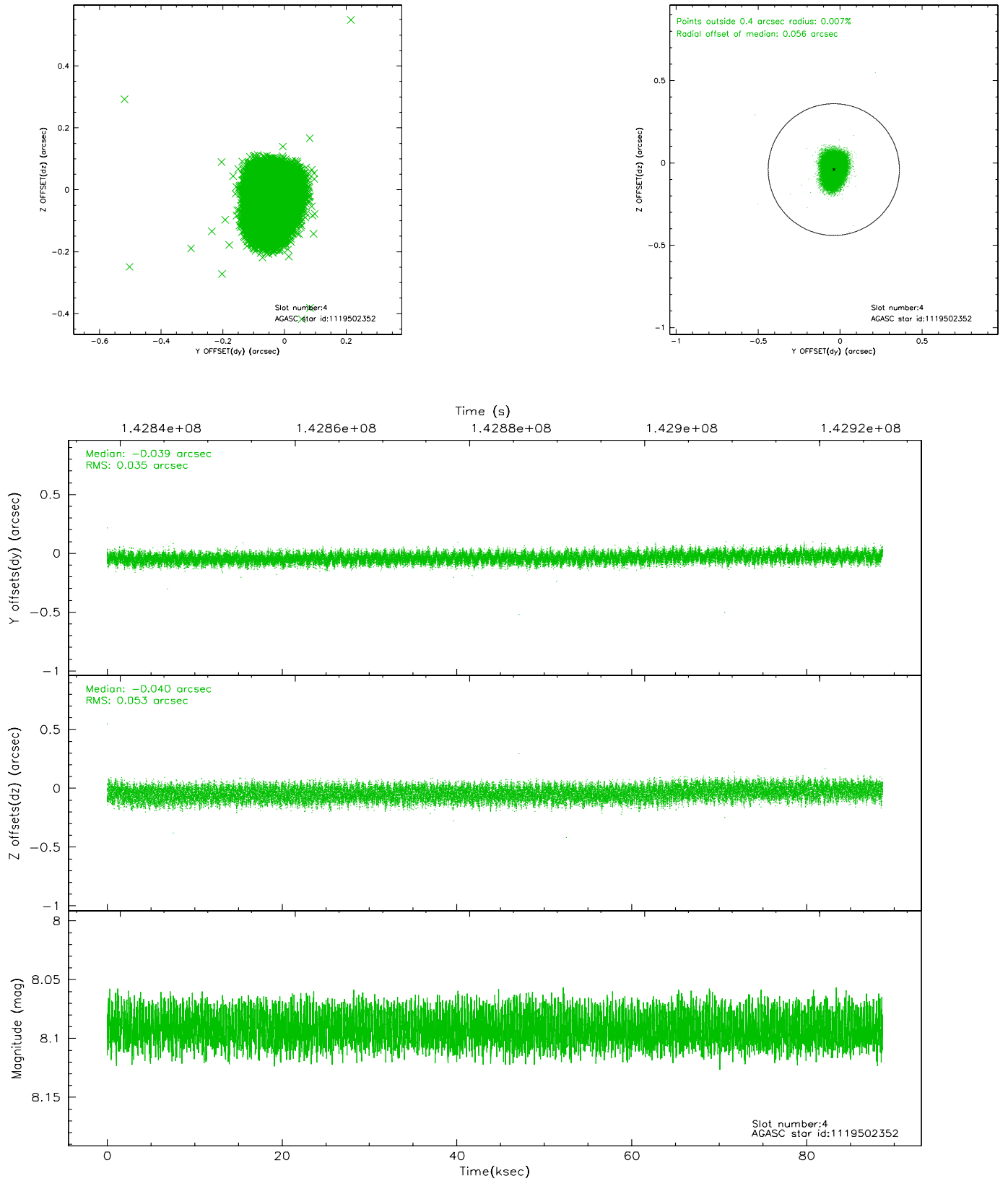
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.42	21625	-0.034	0.229	0.017	0.028	0.000000	0.000000	55.96	-1128.81
1	FID	ACIS-I-5	7.23	21625	-0.121	-0.038	0.020	0.032	0.000000	0.000000	-1809.76	901.63
2	FID	ACIS-I-6	7.25	21627	0.060	-0.124	0.016	0.028	0.000000	0.000000	404.22	1546.01
3	GUIDE	1120027376	7.88	43251	-0.011	0.002	0.091	0.155	105.445282	-56.621416	-1961.58	2321.51
4	GUIDE	1119502352	8.09	43243	-0.039	-0.040	0.067	0.106	105.547994	-55.440239	-1754.57	-1930.85
5	GUIDE	1119502496	8.19	43241	-0.055	0.043	0.061	0.098	105.813507	-55.504374	-2315.76	-1752.21
6	GUIDE	1120023304	8.60	43237	-0.003	-0.030	0.068	0.108	103.464846	-56.430405	2023.08	2078.82
7	GUIDE	1119490104	8.19	43242	0.108	0.028	0.082	0.152	103.713930	-55.259324	2048.52	-2166.60

## 2.4 Star Slots

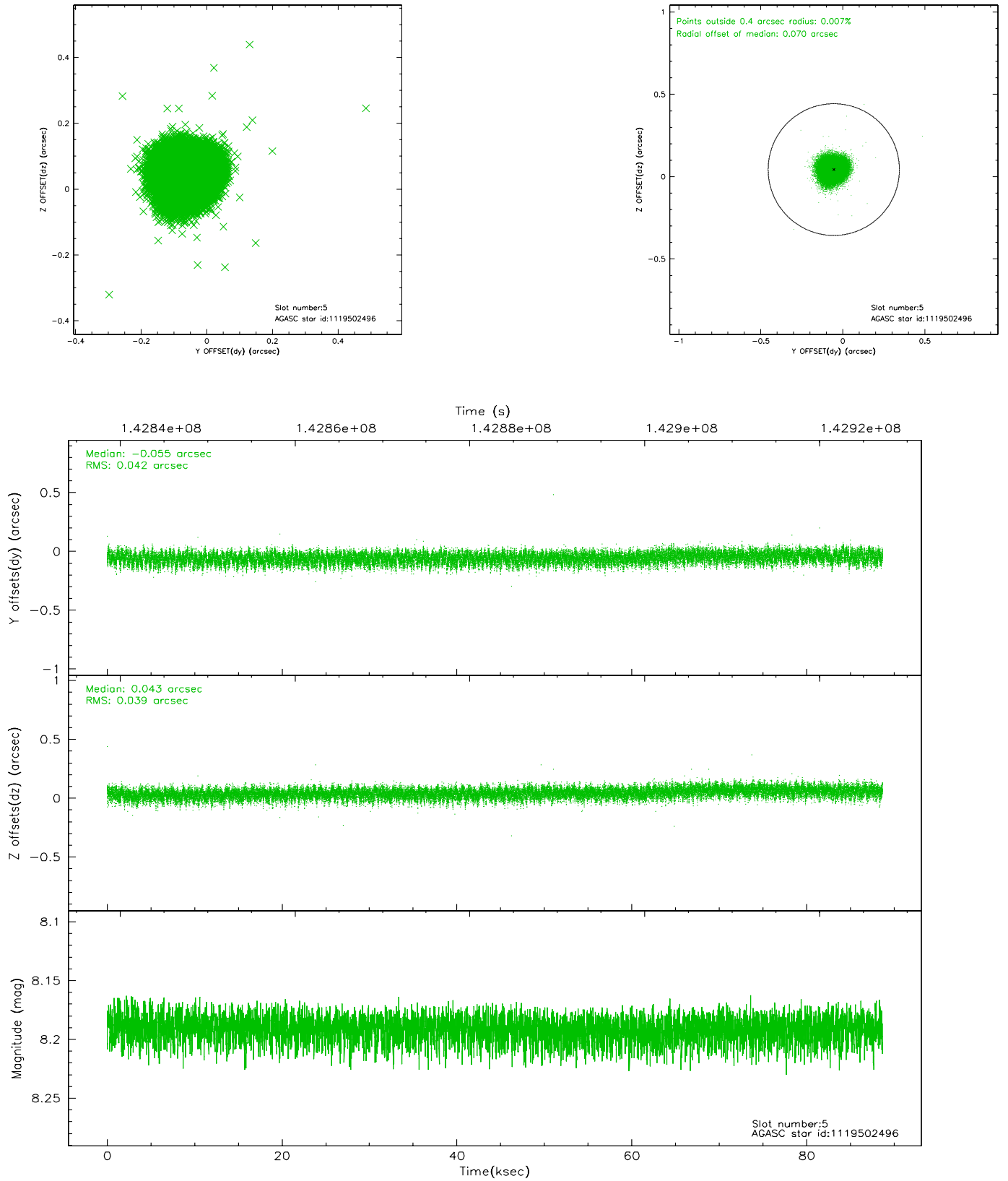
### 2.4.1 Slot 3



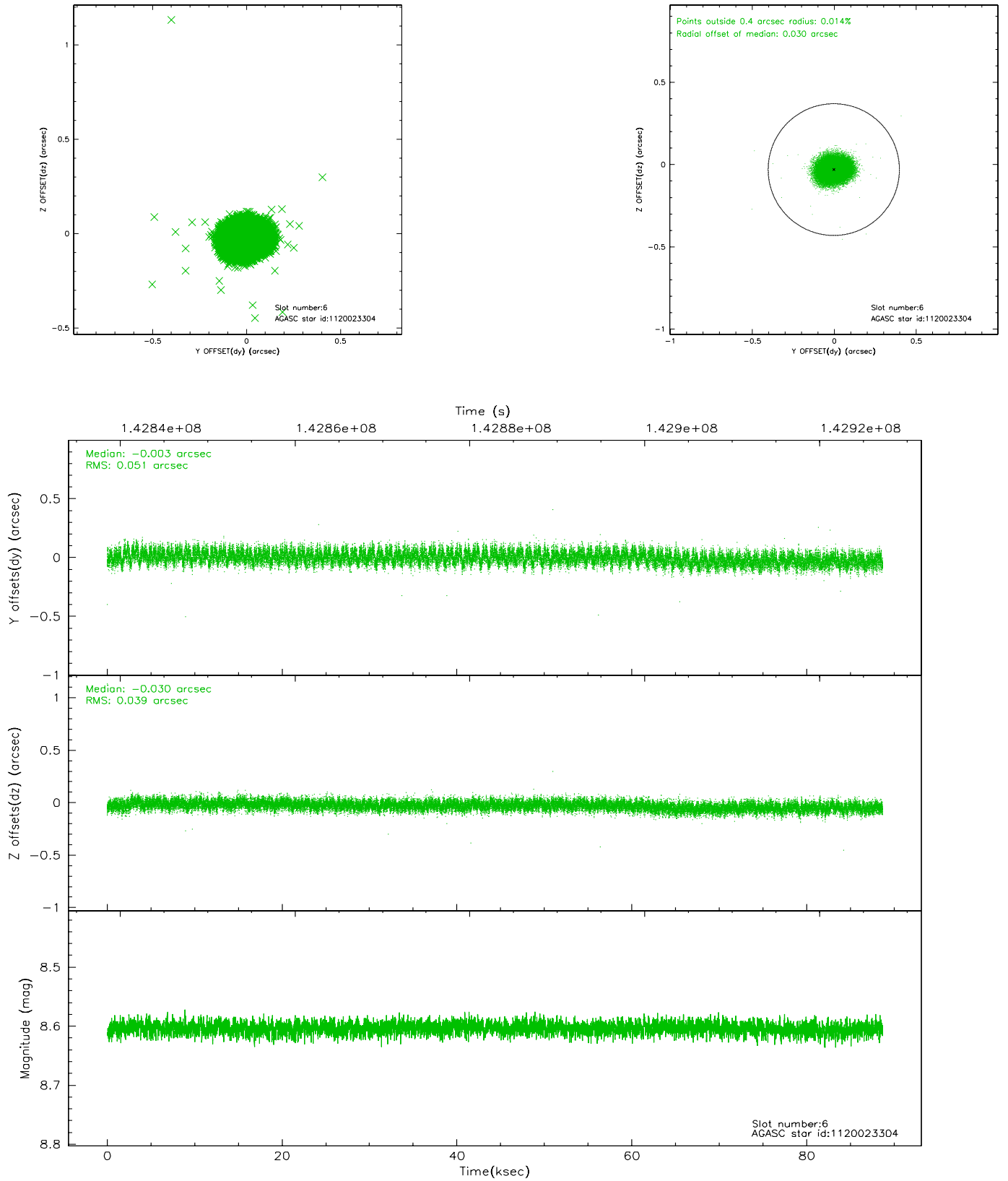
## 2.4.2 Slot 4



### 2.4.3 Slot 5

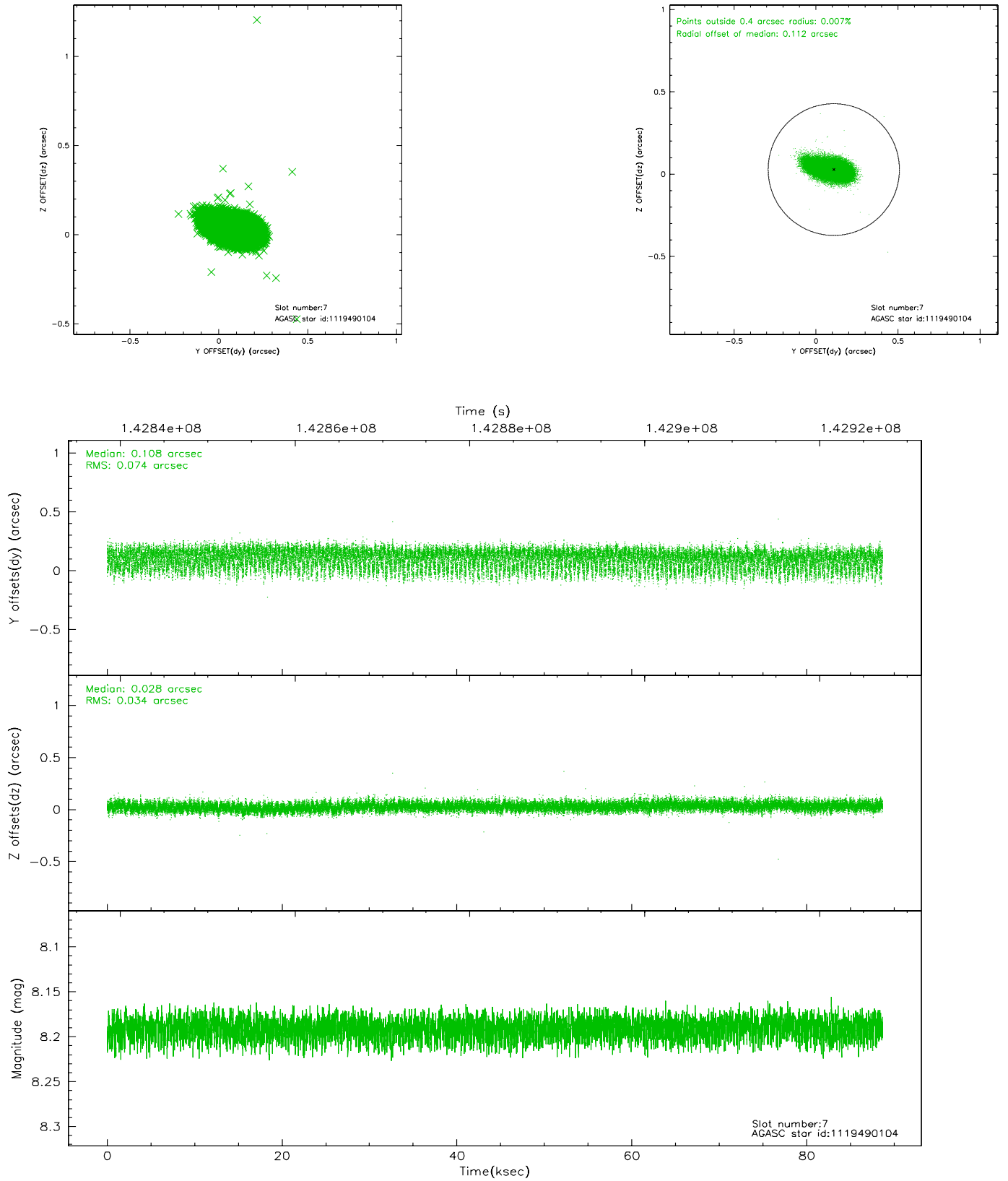


## 2.4.4 Slot 6



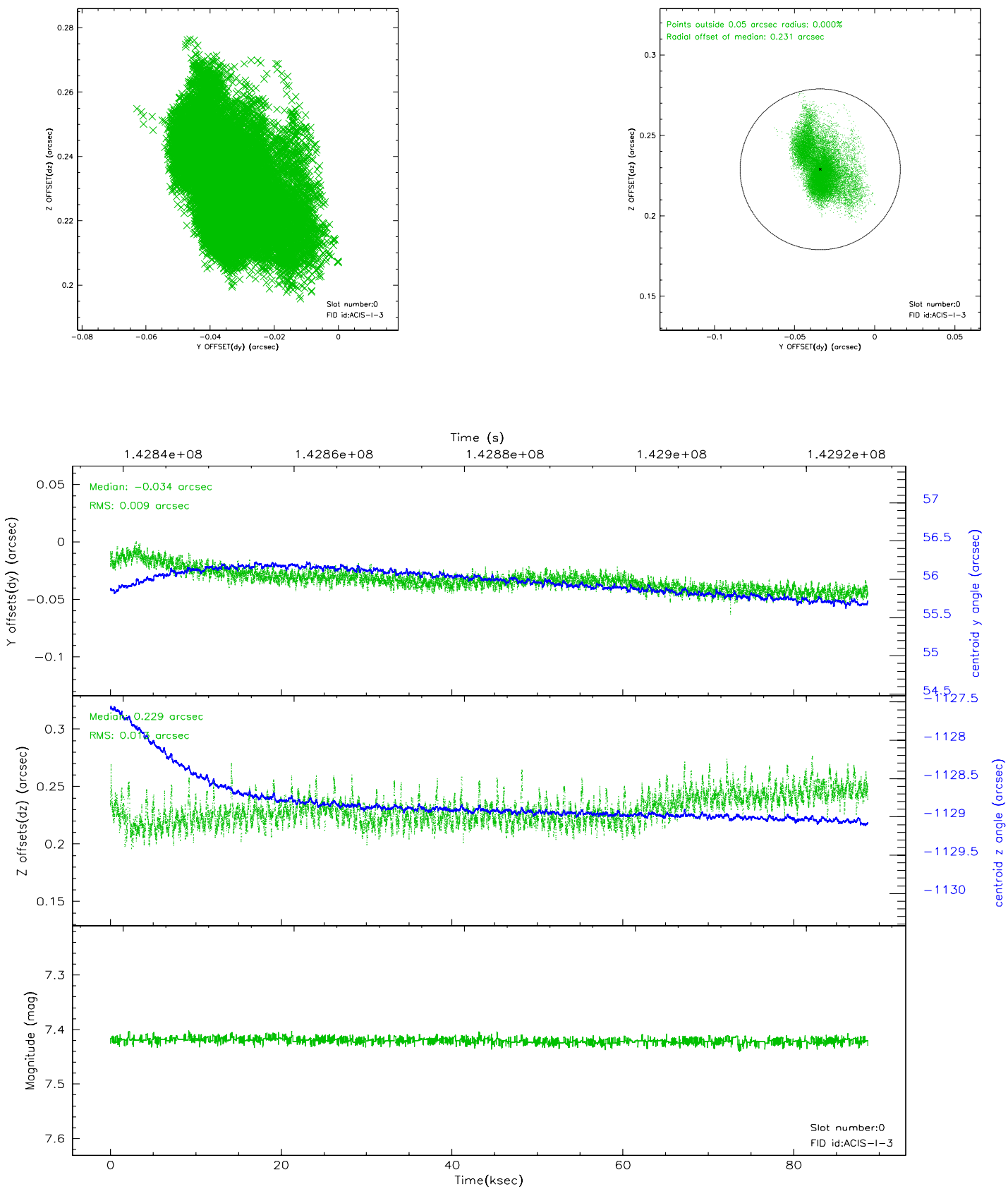


## 2.4.5 Slot 7

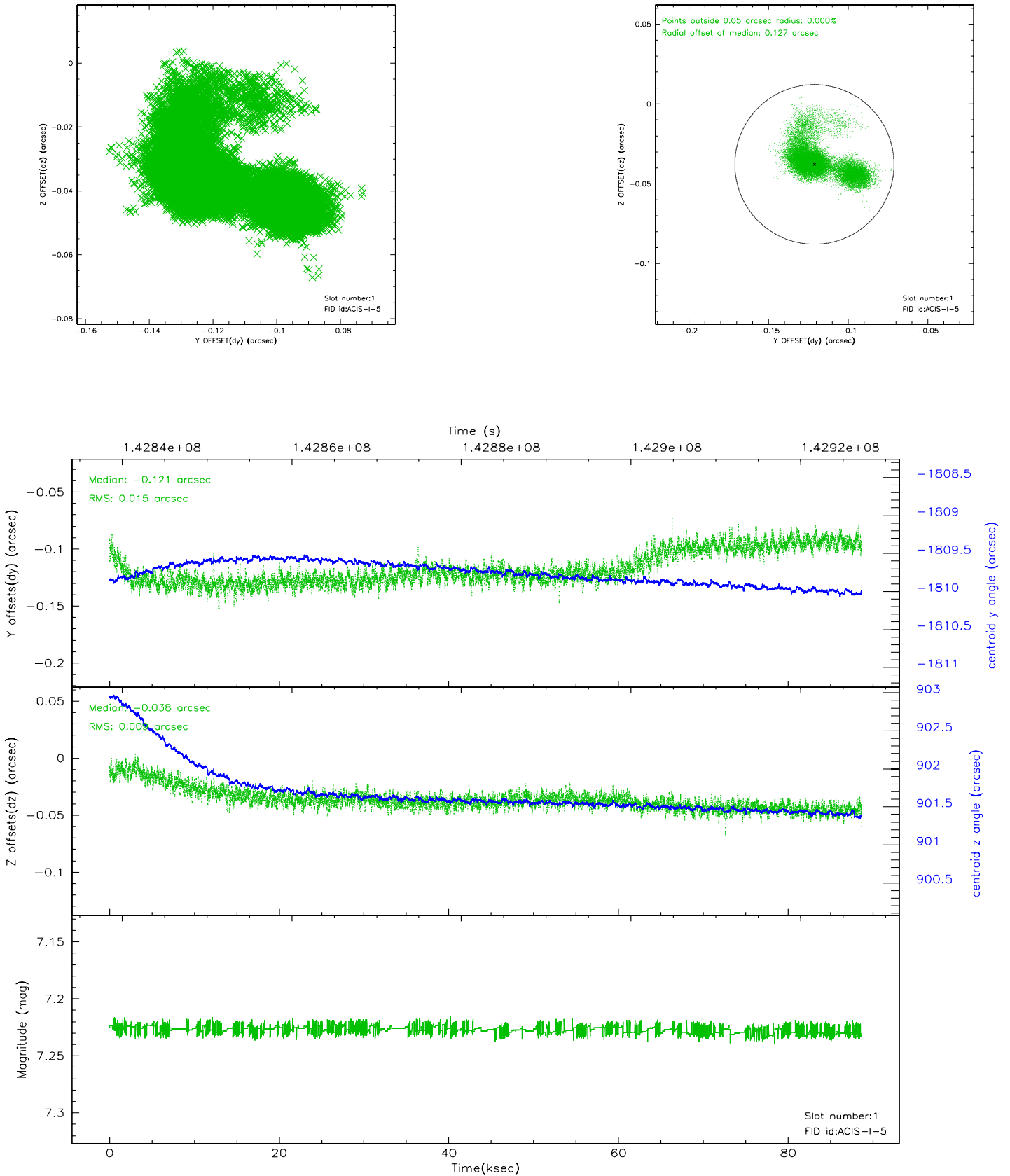


## 2.5 FID Slots

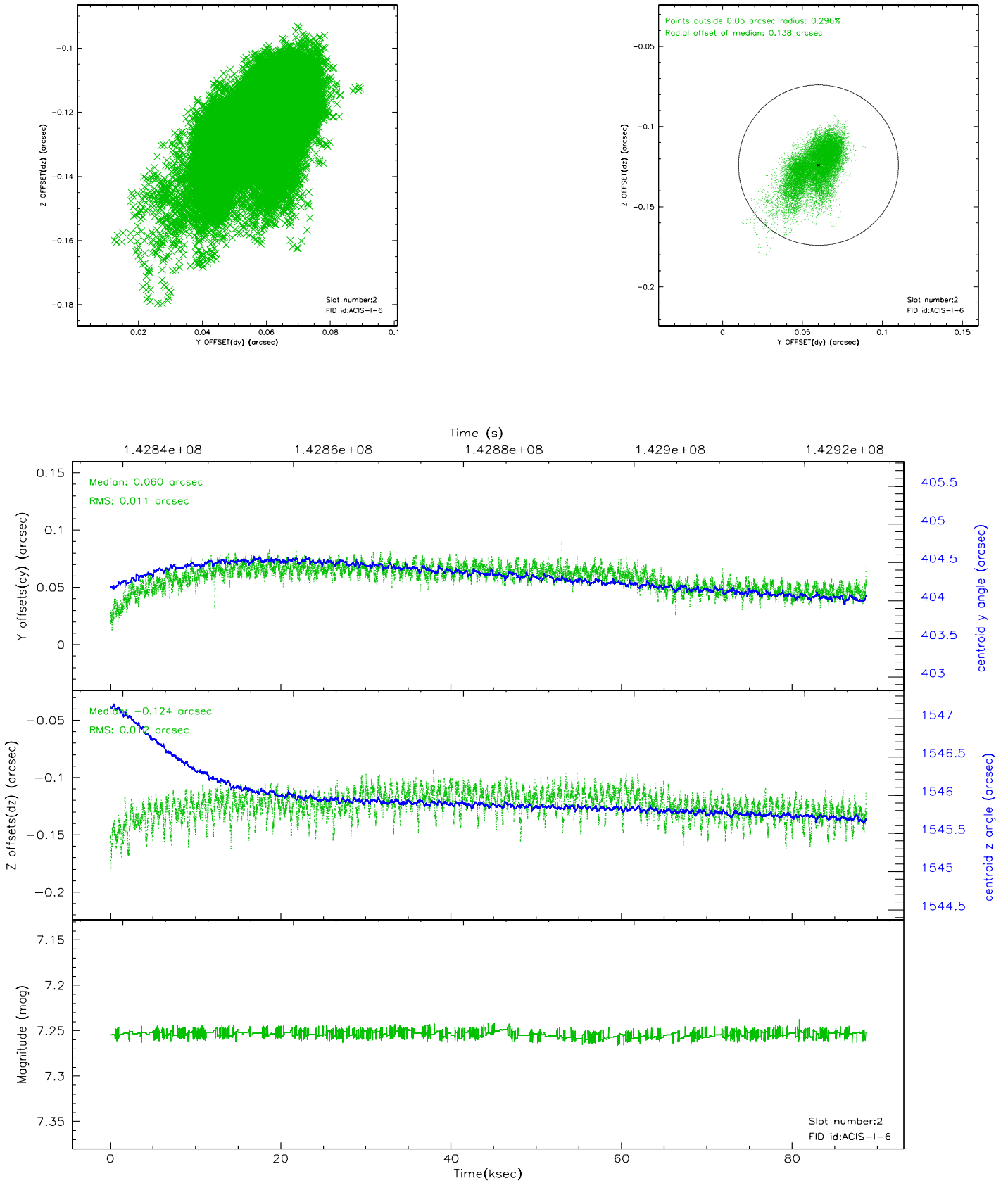
### 2.5.1 Slot 0



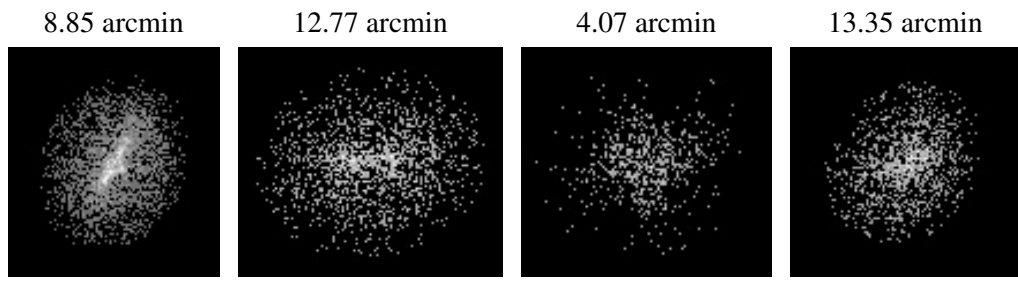
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	88.628

### A.2 Comments