

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 6227 - L2 Version 002  
Chandra X-Ray Center

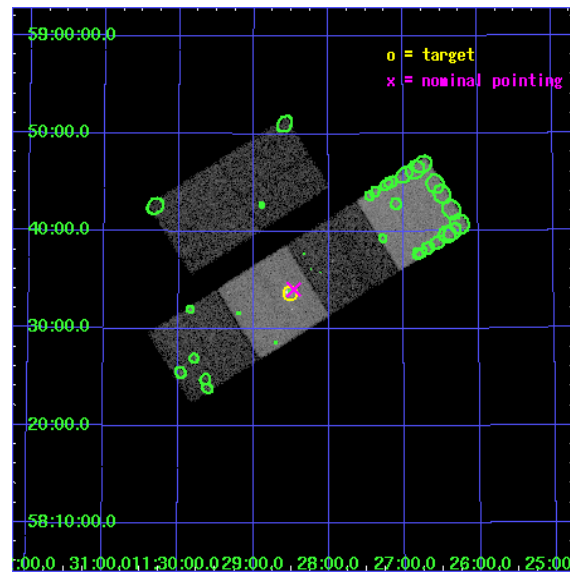
L2 Processing Date: Feb 22 2006

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# 1 Front

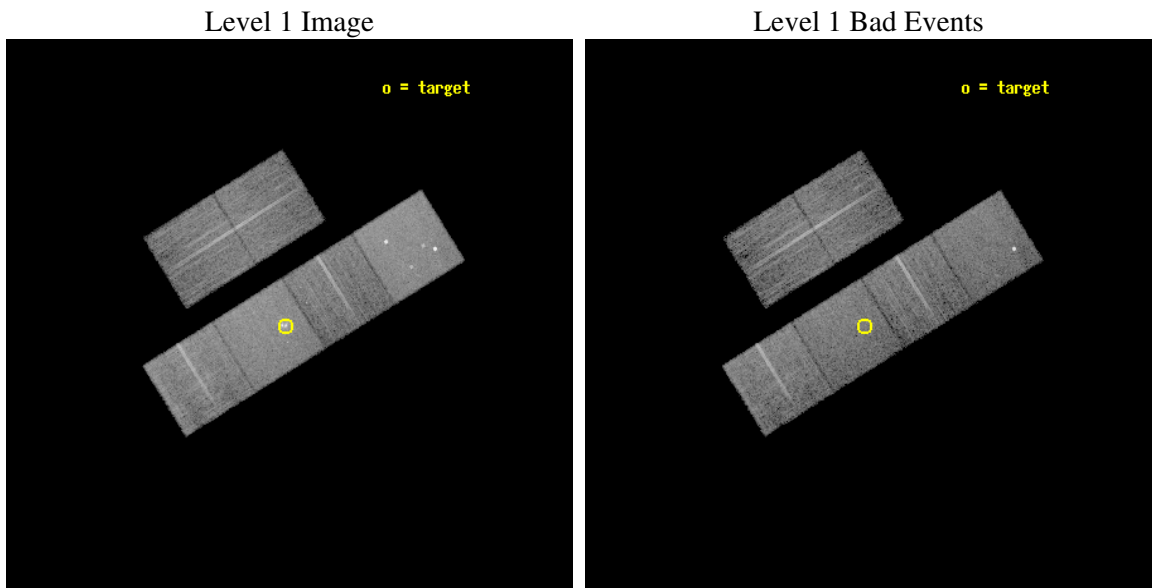
seq_num	701172
obs_id	6227
title	An accretion eruption in the western nucleus of Arp 299
observer	Dr Kirpal Nandra
object	NGC 3690
dtcycle	0
cycle	P
ra_targ	172.13
dec_targ	58.561306
ra_nom	172.11624584461
dec_nom	58.567814699364
roll_nom	148.03381553668
revision	2
ontime	10323.199961543
livetime	10192.481387745
ontime2	10319.958981276
ontime3	10323.199961543
ontime5	10323.199961543
ontime6	10323.199961543
ontime7	10323.199961543
ontime8	10323.199961543
l2events	120930



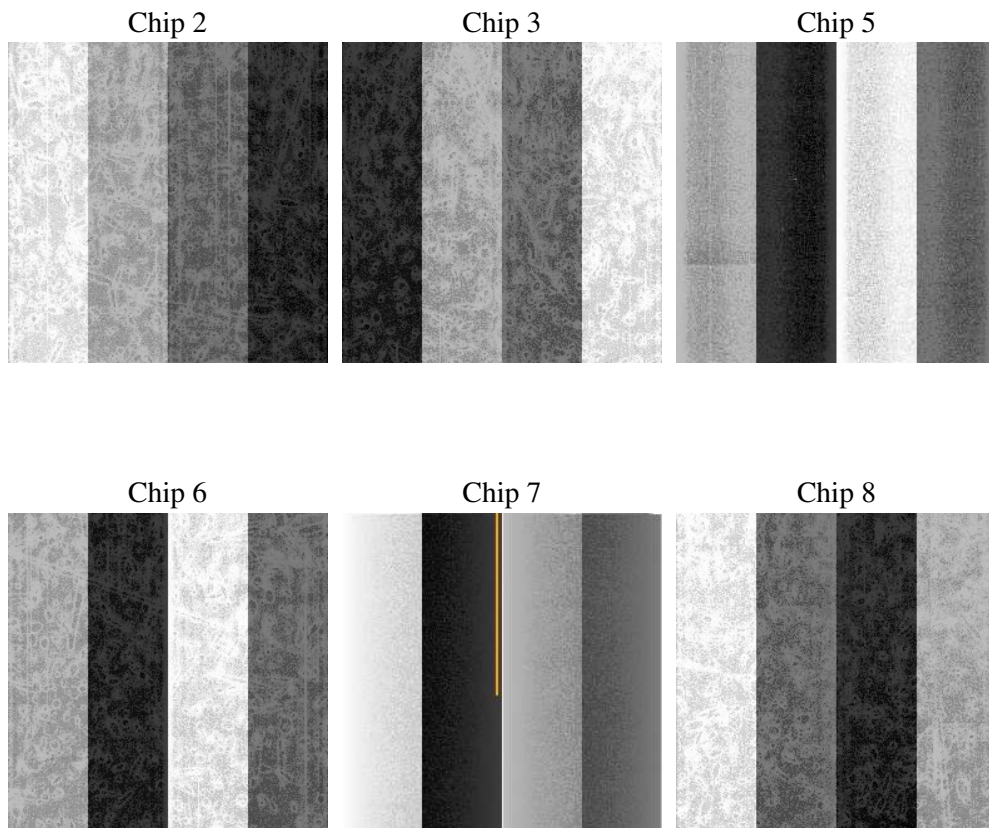
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-23T00:17:16
revision	2

sched_exp_time	10200.000000
ontime	12296.377486229
ontime2	12293.136505961
ontime3	12296.377486229
ontime5	12296.377486229
ontime6	12296.377486229
ontime7	12296.377486229
ontime8	12296.37751615
l1events	642141

### 2.1.4 Events

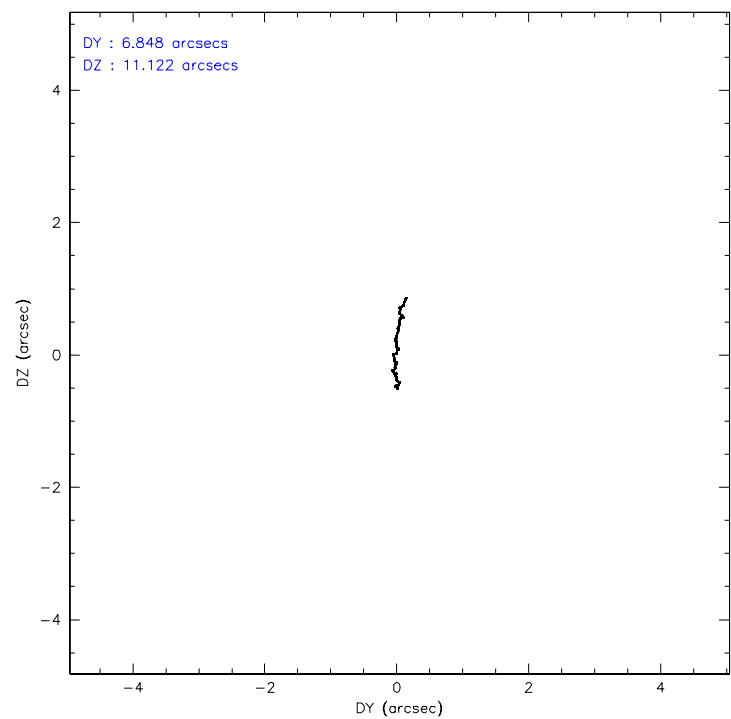
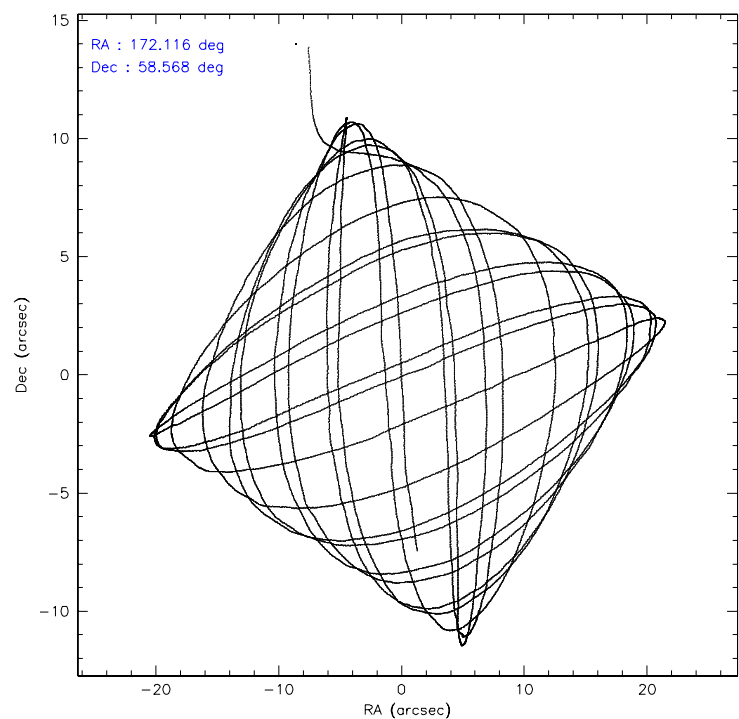
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	87301	87555	139186	89043	126224	112832
rejected events	78591	78567	87663	79869	83765	92483
rejected %	90%	89%	62%	89%	66%	81%

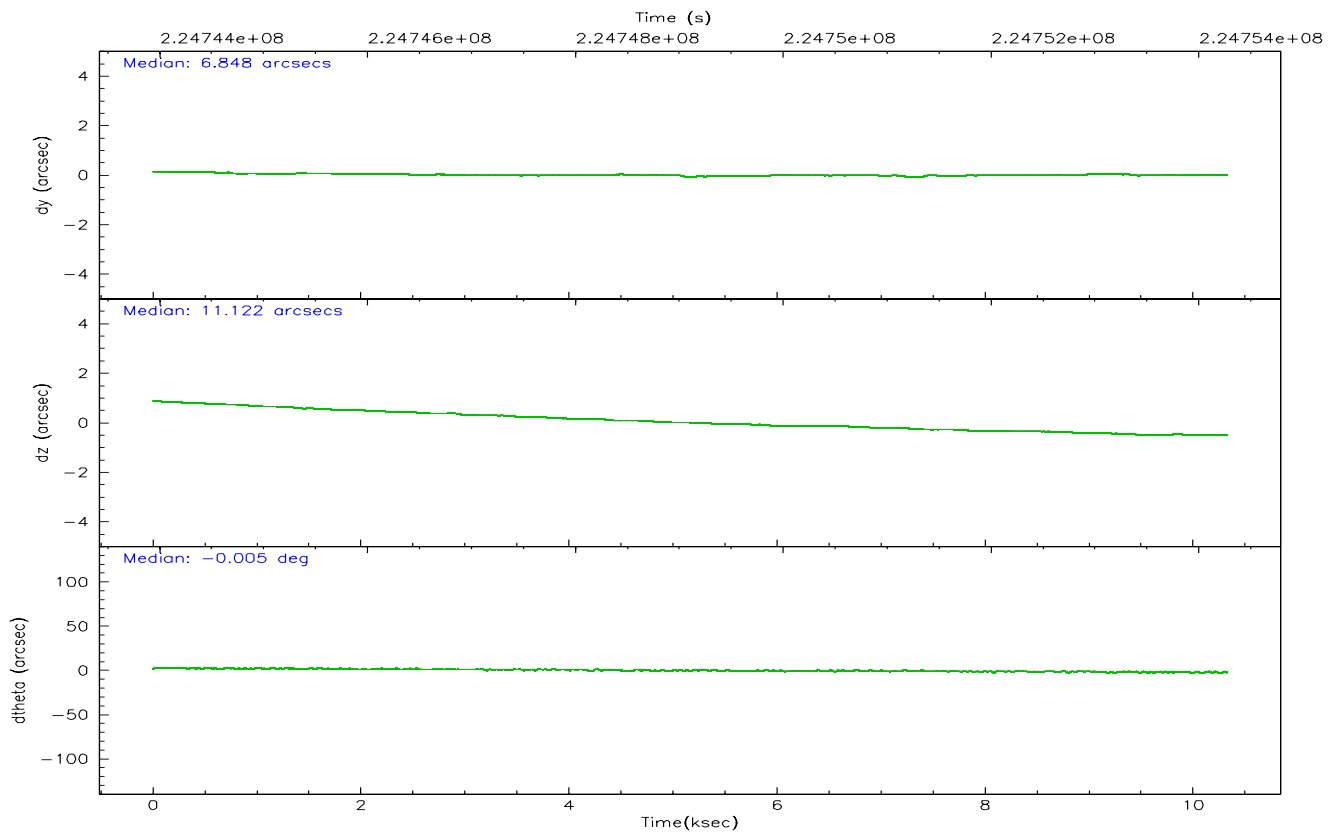
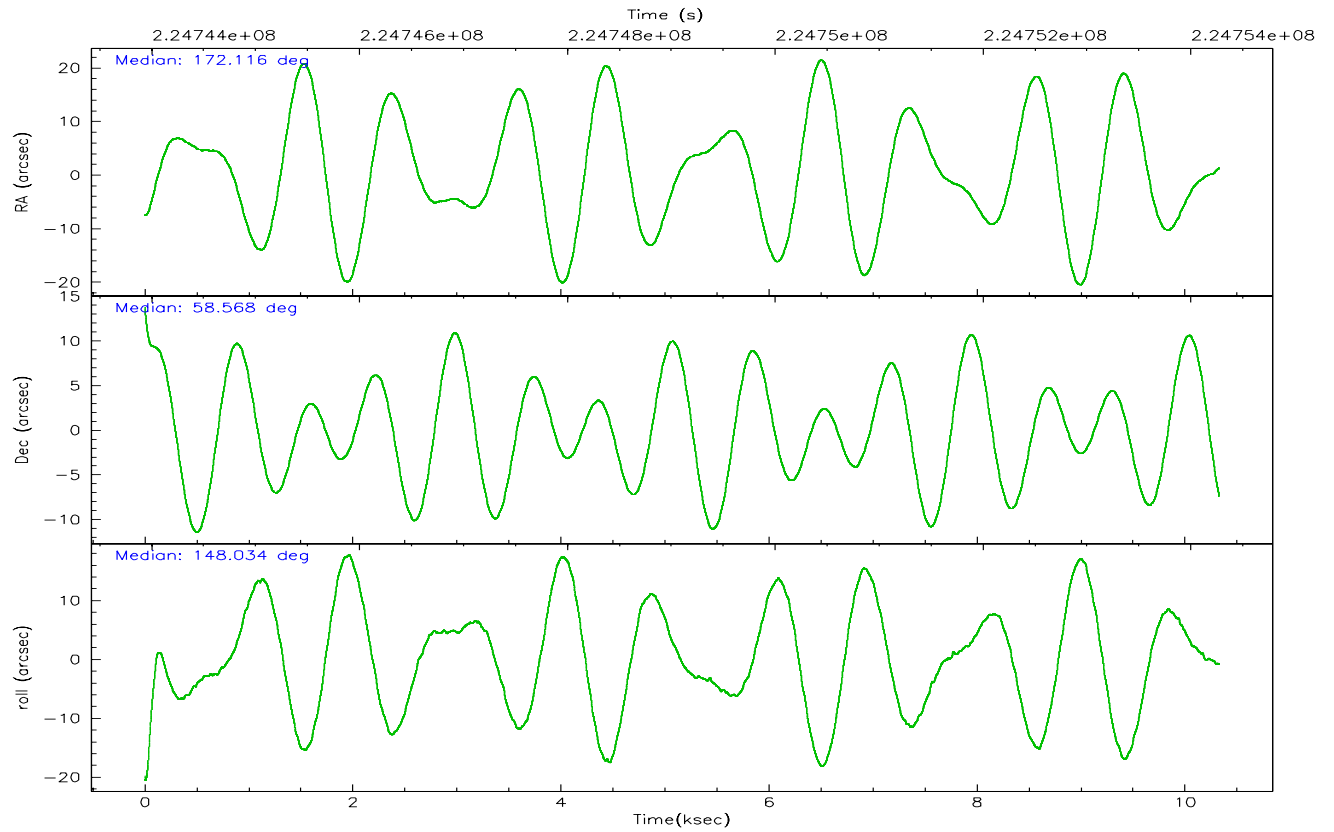
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4601	4771	5898	4360	3716	7754
	5%	5%	4%	4%	2%	6%
grade 1 events	44	46	344	46	68	78
	0%	0%	0%	0%	0%	0%
grade 2 events	2108	2024	18311	2269	12593	5408
	2%	2%	13%	2%	9%	4%
grade 3 events	1025	1049	1856	1011	2770	2641
	1%	1%	1%	1%	2%	2%
grade 4 events	1025	1027	1210	1023	2723	2327
	1%	1%	0%	1%	2%	2%
grade 5 events	3566	3941	8037	4252	8176	5476
	4%	4%	5%	4%	6%	4%
grade 6 events	1696	1828	34204	2282	28155	6283
	1%	2%	24%	2%	22%	5%
grade 7 events	73236	72869	69326	73800	68023	82865
	83%	83%	49%	82%	53%	73%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	172.168441	172.1162458446054	Alternating exposures requested	N	N
Pointing Dec	58.567197	58.56781469936384	Primary exposure time	0.000000	3.2
Pointing Roll	147.832689	148.0338155366805			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	224744064.184000	224741966.38435			
Observation start date	2005-02-14T04:53:20	2005-02-14T04:19:26			
Observation end time	224754264.184000	224755129.43495			
Observation end date	2005-02-14T07:43:20	2005-02-14T07:58:49			
Read mode	TIMED	TIMED			

### 2.3 Aspect



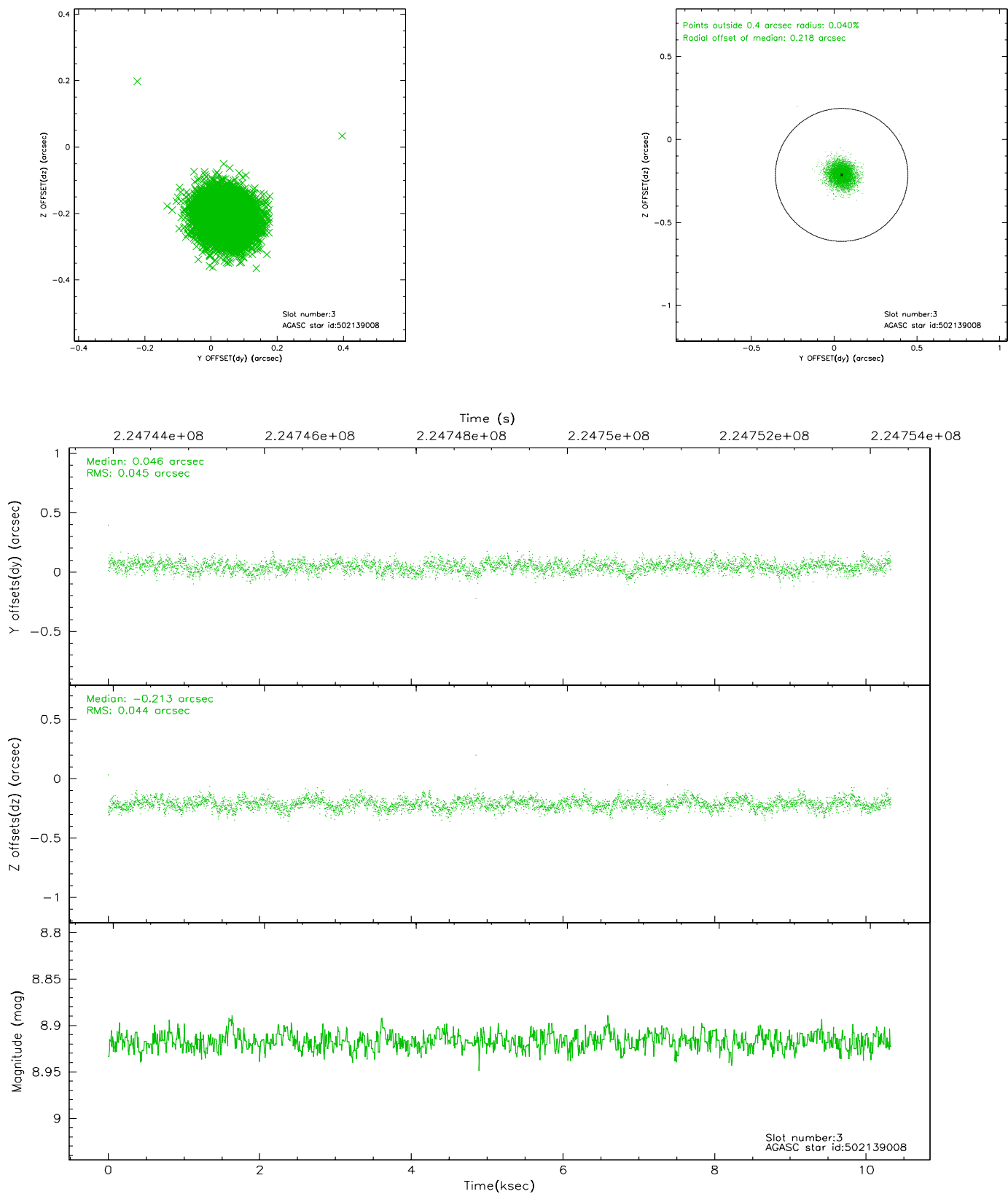


### Slot Statistics

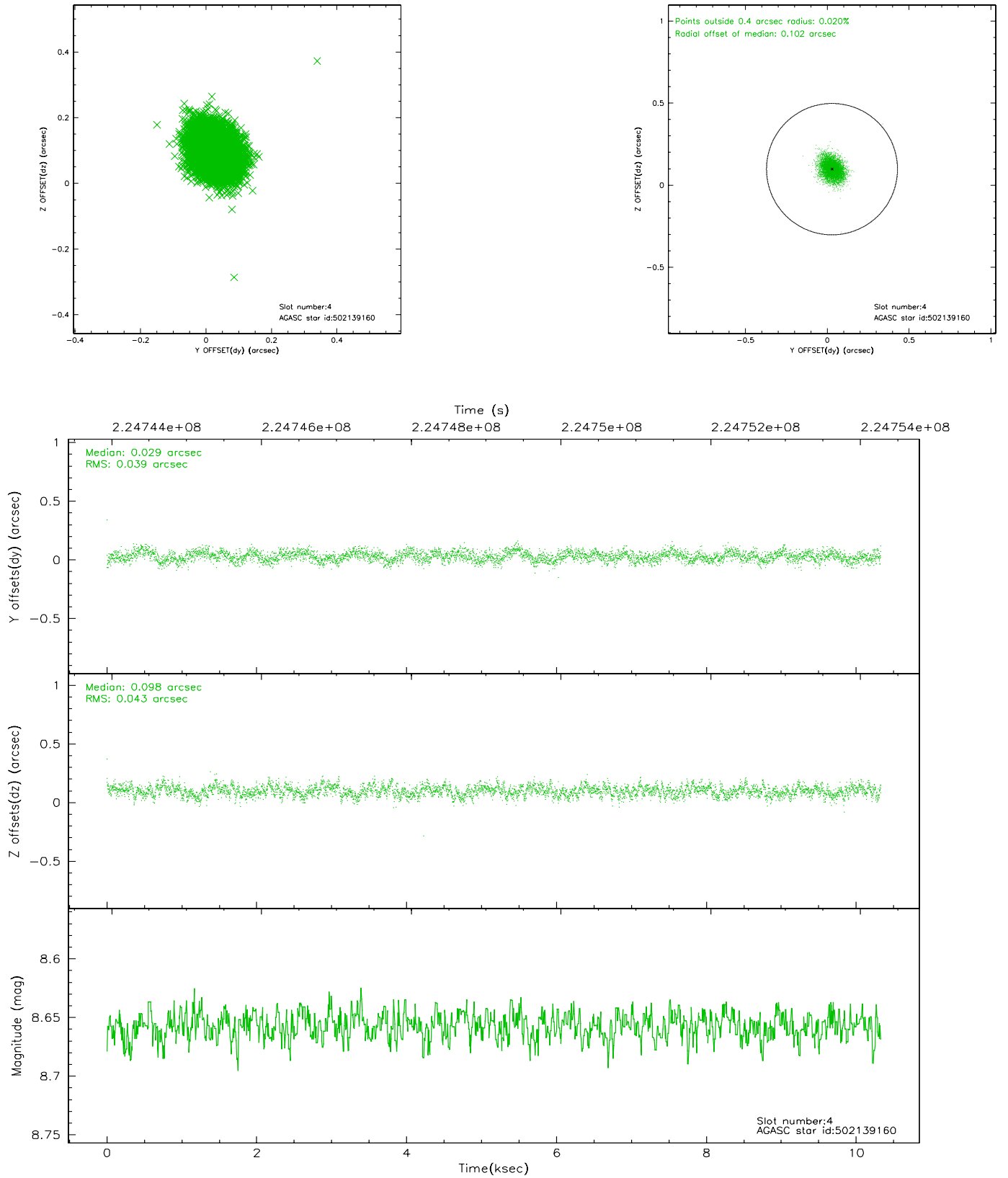
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	2519	0.017	-0.053	0.016	0.024	0.000000	0.000000	936.43	-1728.11
1	FID	ACIS-S-5	7.24	2517	-0.021	0.015	0.010	0.020	0.000000	0.000000	-1812.30	169.02
2	FID	ACIS-S-6	7.35	2519	-0.019	0.047	0.014	0.021	0.000000	0.000000	401.42	813.56
3	GUIDE	502139008	8.92	5035	0.046	-0.213	0.067	0.107	171.461493	58.762354	1495.04	102.19
4	GUIDE	502139160	8.66	5038	0.029	0.098	0.062	0.099	171.922858	58.702202	648.35	-167.13
5	GUIDE	502140120	9.86	5033	0.071	0.029	0.119	0.189	172.990279	58.650244	-1138.28	-1080.06
6	GUIDE	502141424	8.83	5039	-0.134	0.045	0.072	0.116	170.796377	58.588126	2232.98	1284.85
7	GUIDE	502143776	8.97	5037	-0.010	0.041	0.069	0.110	172.980797	58.430865	-1551.49	-406.69

## 2.4 Star Slots

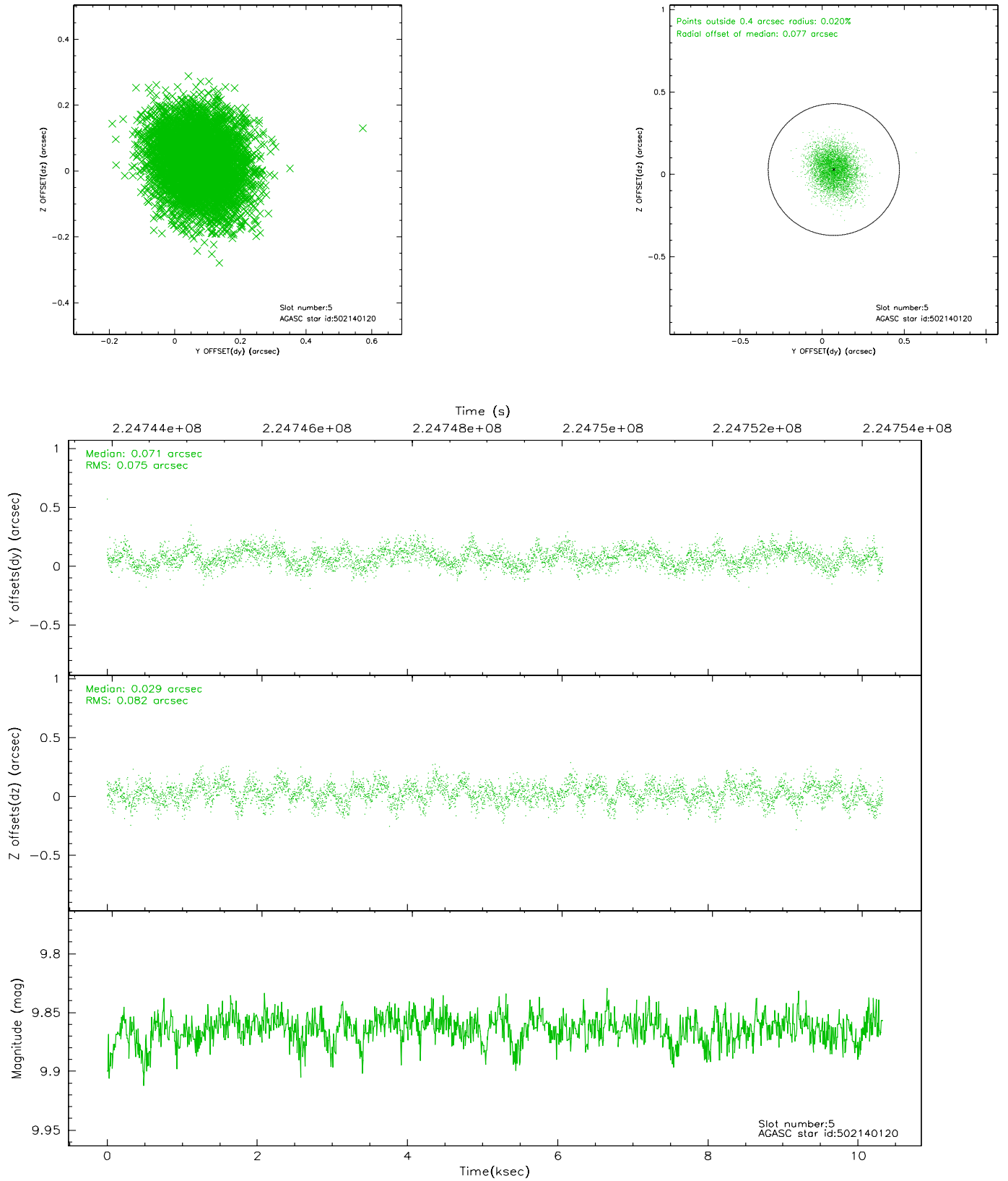
### 2.4.1 Slot 3



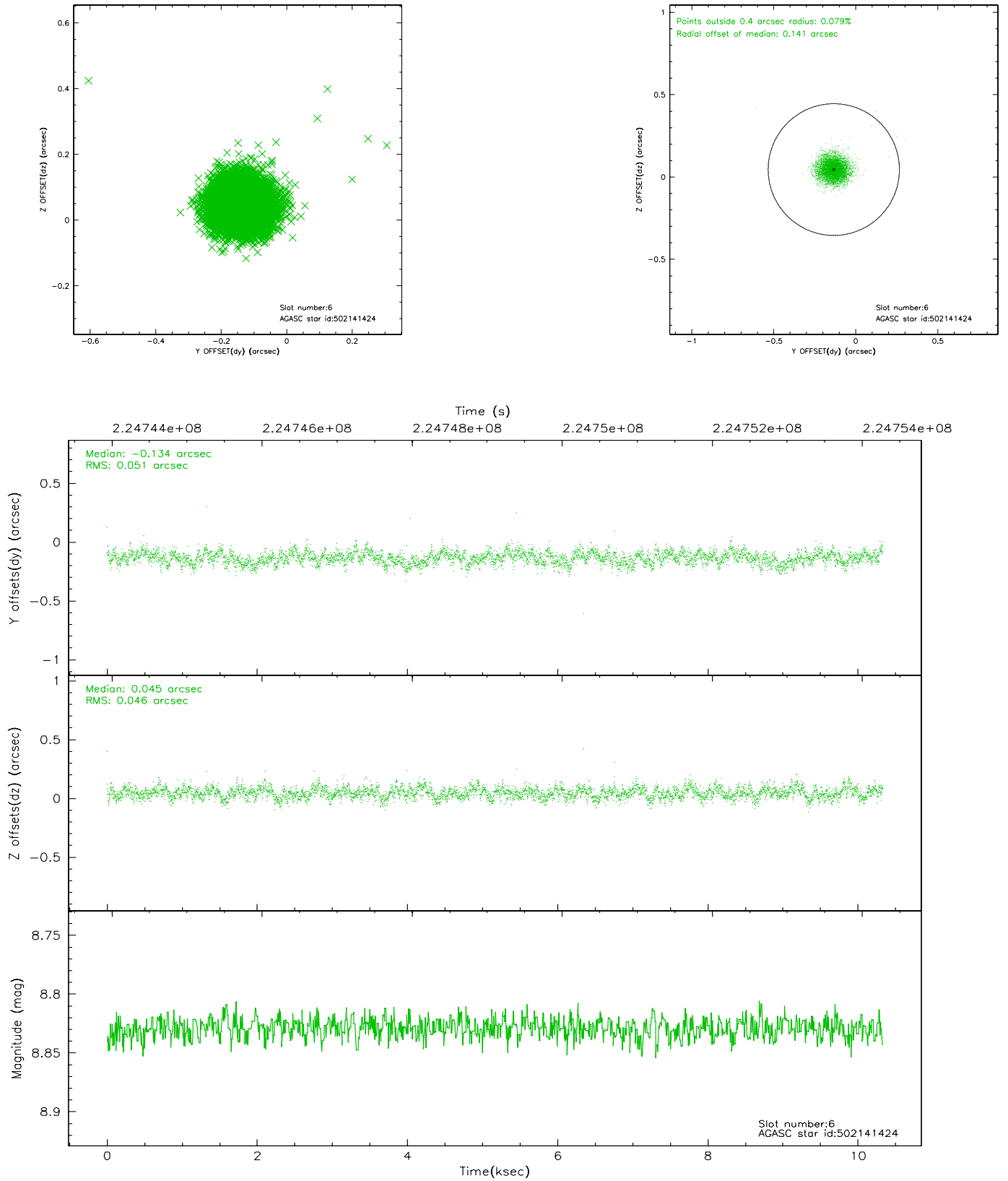
## 2.4.2 Slot 4



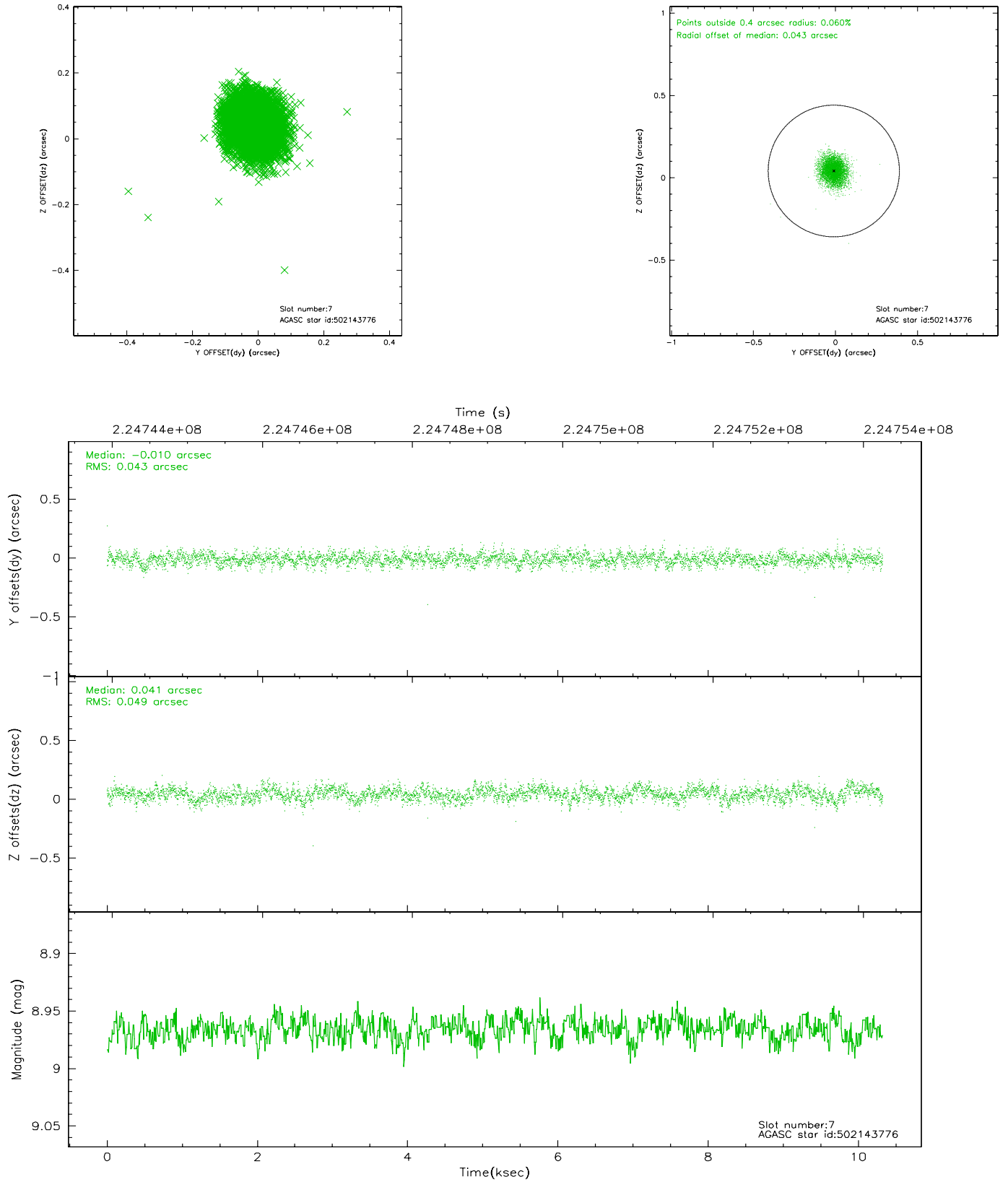
### 2.4.3 Slot 5



## 2.4.4 Slot 6

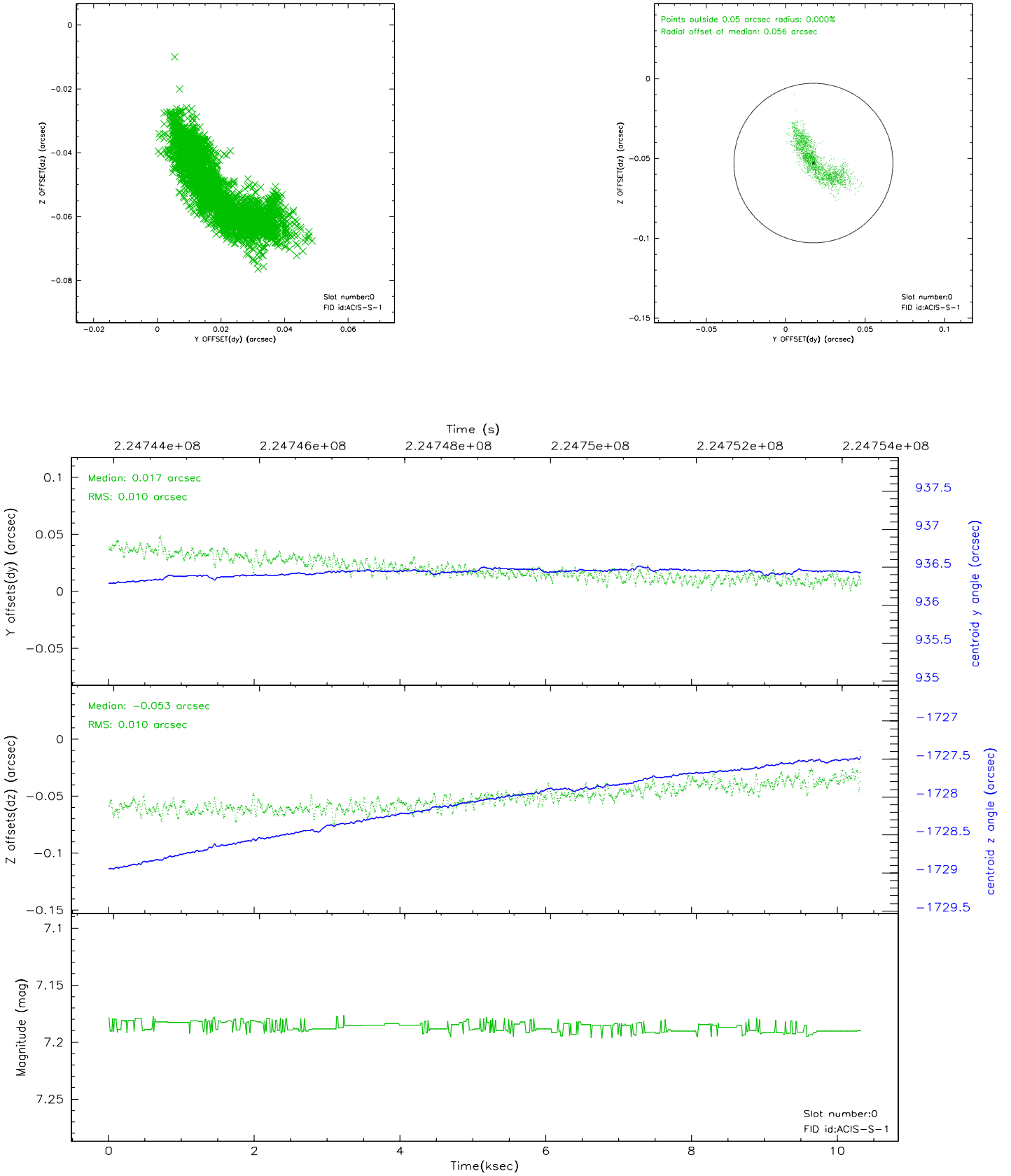


## 2.4.5 Slot 7

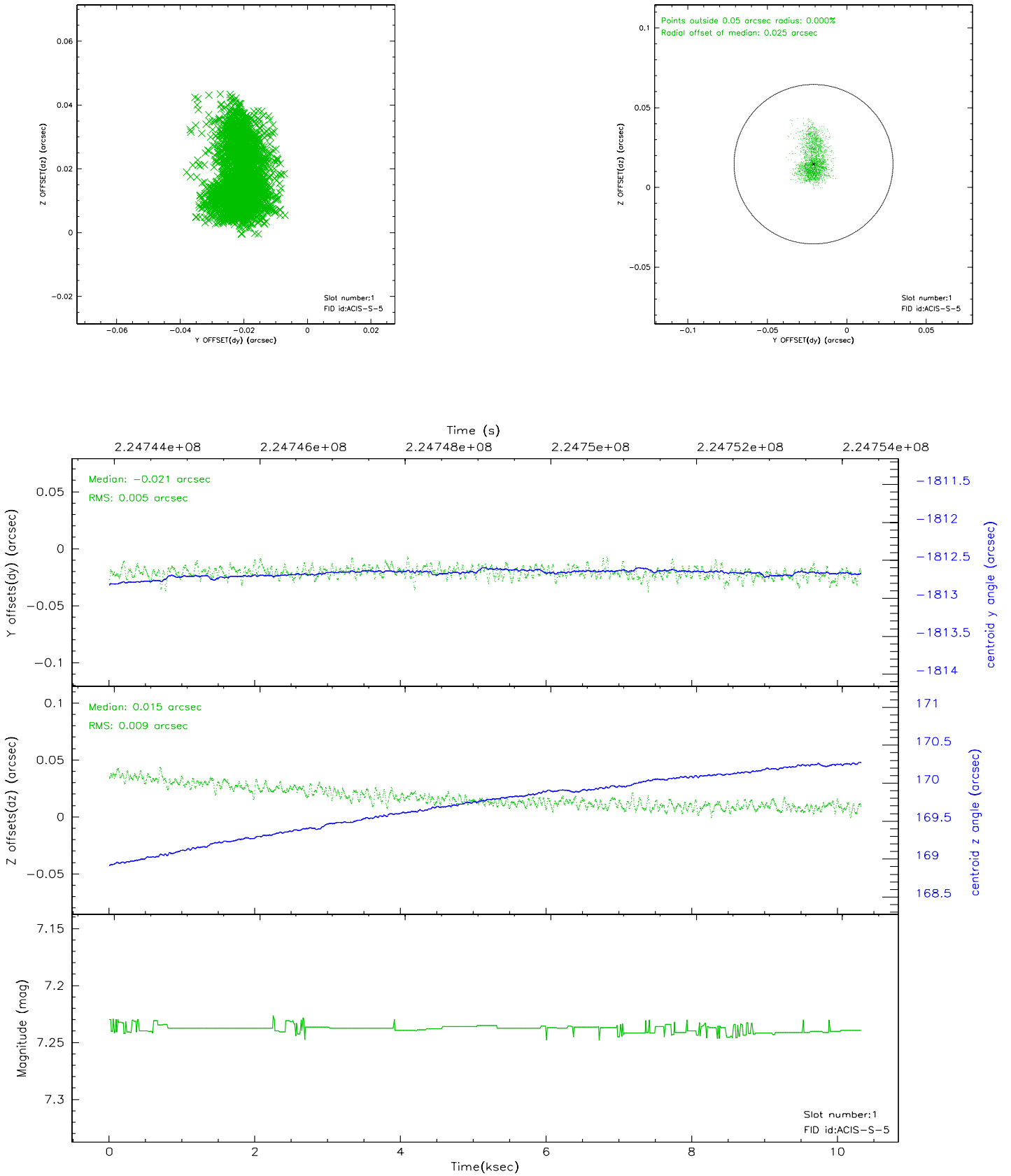


## 2.5 FID Slots

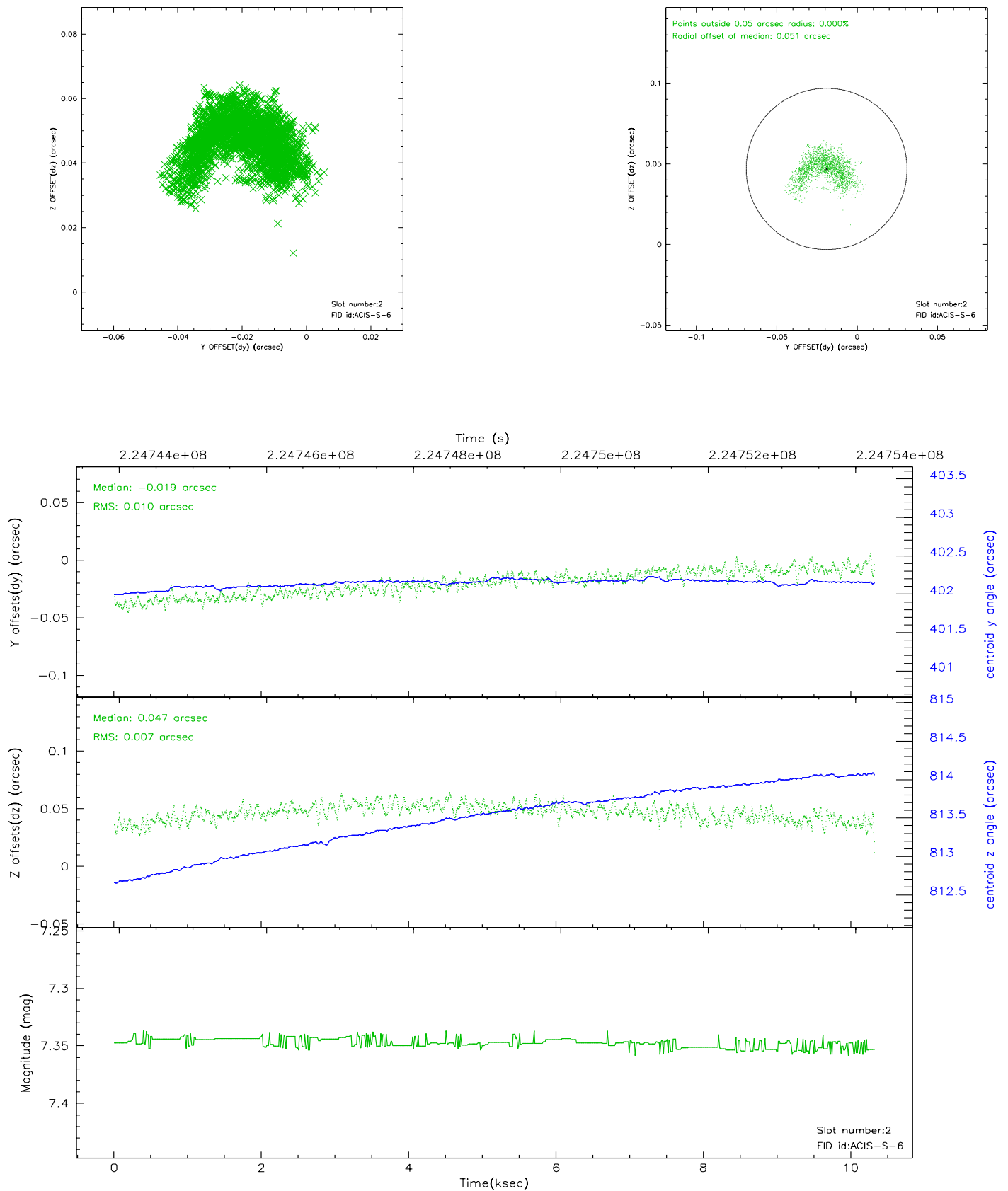
### 2.5.1 Slot 0



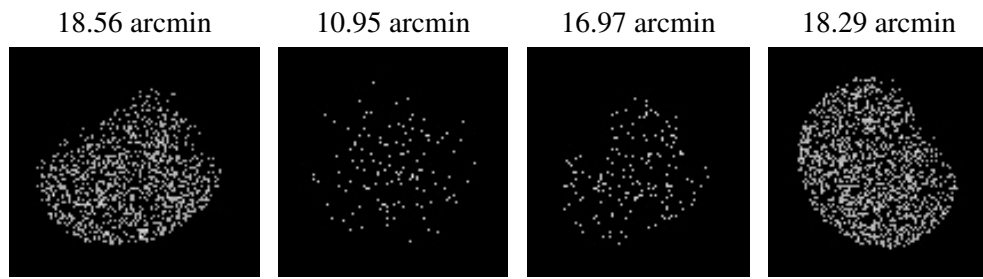
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.32319

### A.2 Comments