

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 894 - L2 Version 001  
Chandra X-Ray Center

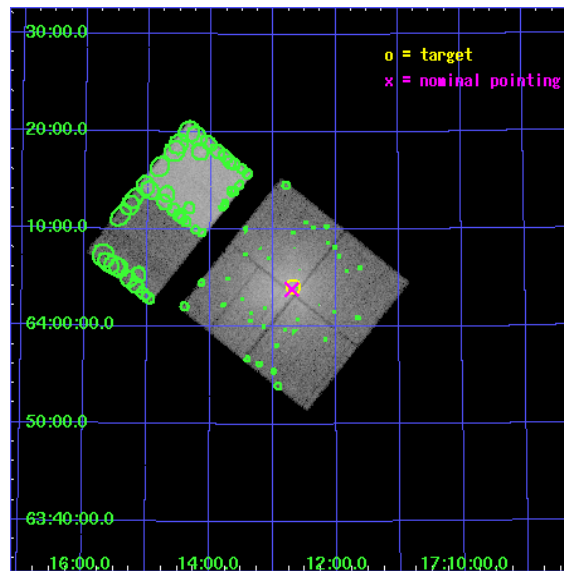
L2 Processing Date : Jun 12 2007

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

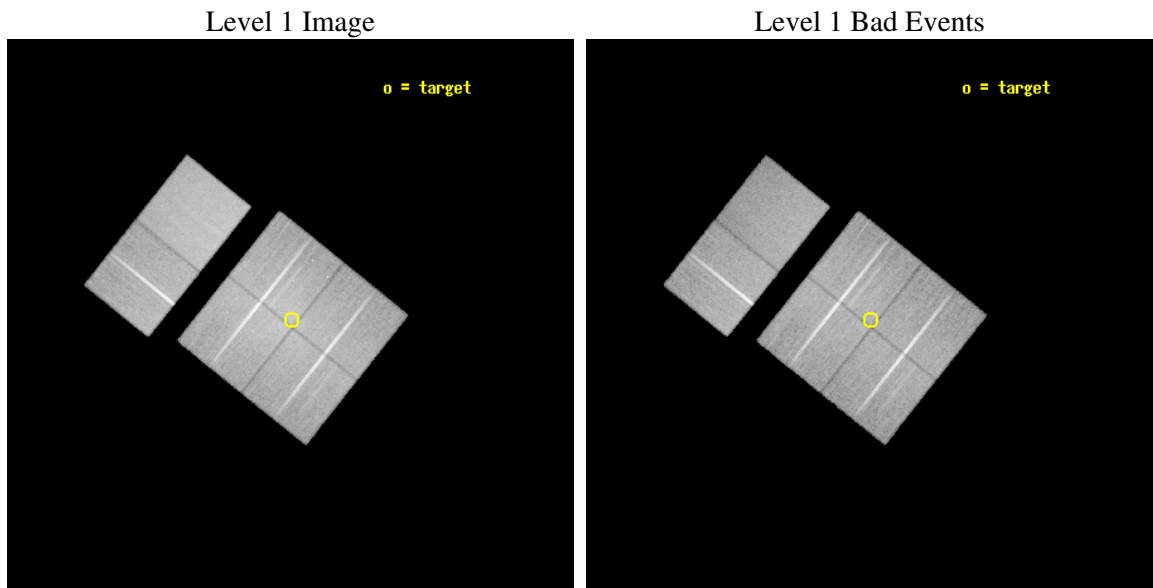
seq_num	800070
obs_id	894
title	AXAF OBSERVATIONS OF CLUSTERS WITH RADIO HALOS
observer	Dr. David Davis
object	ABELL 2255
dtcycle	0
cycle	P
ra_targ	258.172917
dec_targ	64.068889
ra_nom	258.17589031393
dec_nom	64.064212899267
roll_nom	308.68460082817
revision	2
ontime	39935.959076956
livetime	39430.265916576
ontime0	39932.718146637
ontime1	39935.959106877
ontime2	39932.718096793
ontime3	39935.959076956
ontime6	39935.959106877
ontime7	39935.959076956
l2events	351789



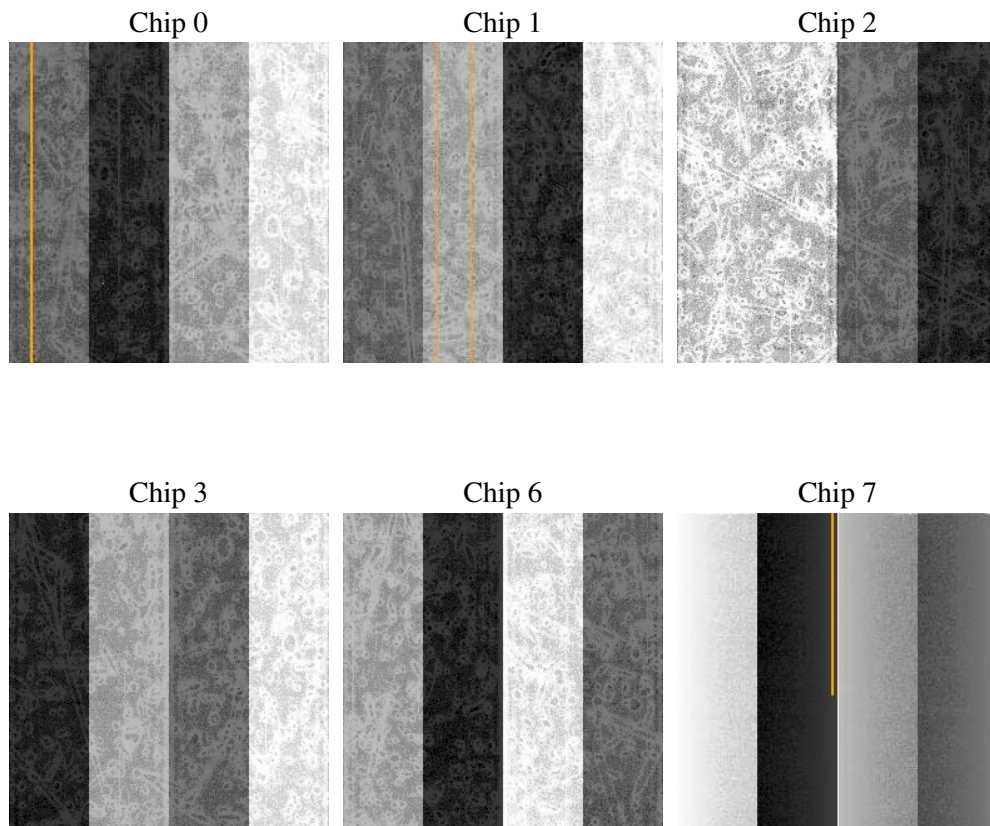
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-12T14:06:48
revision	2

sched_exp_time	40000.000000
ontime	39935.959076956
ontime0	39932.718146637
ontime1	39935.959106877
ontime2	39932.718096793
ontime3	39935.959076956
ontime6	39935.959106877
ontime7	39935.959076956
l1events	1670830

### 2.1.4 Events

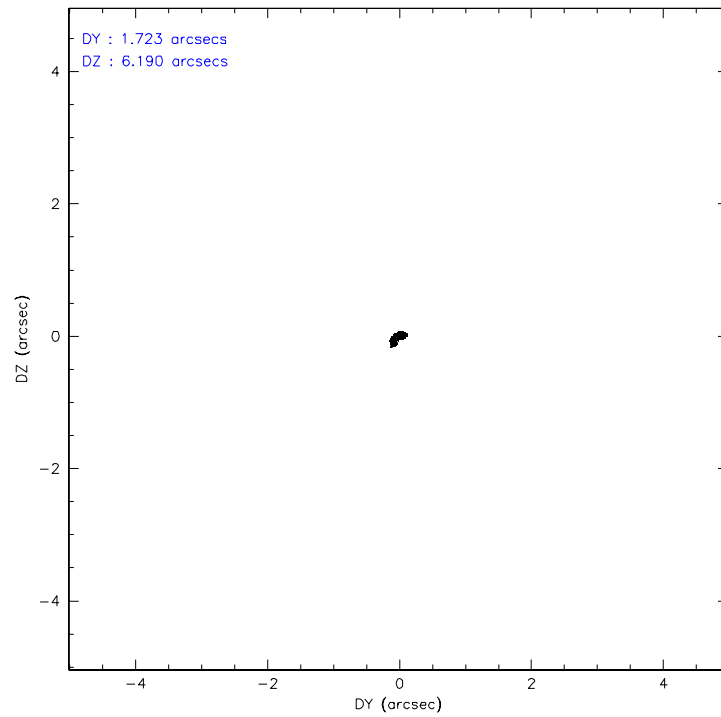
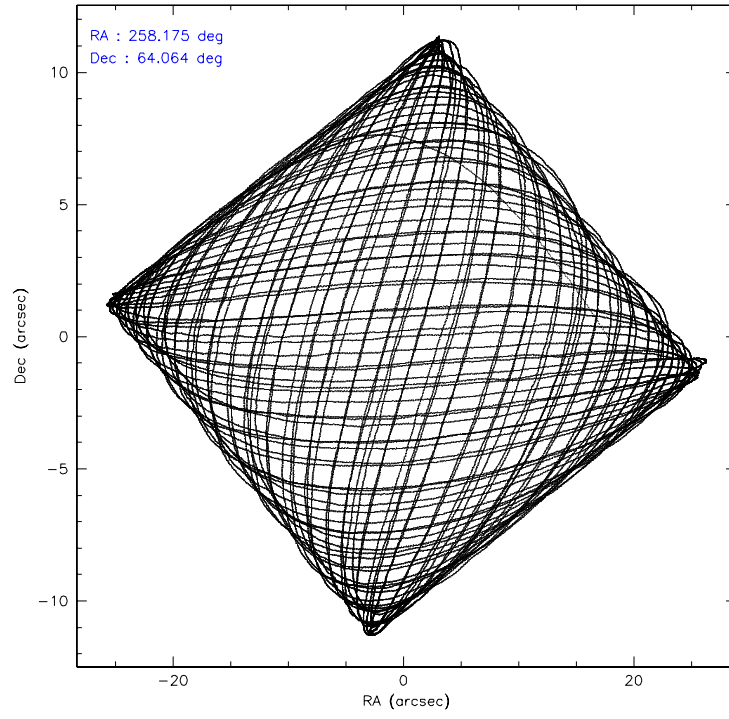
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	253429	251202	295249	283177	266161	321612
rejected events	207163	202444	231166	227322	236594	184487
rejected %	81%	80%	78%	80%	88%	57%

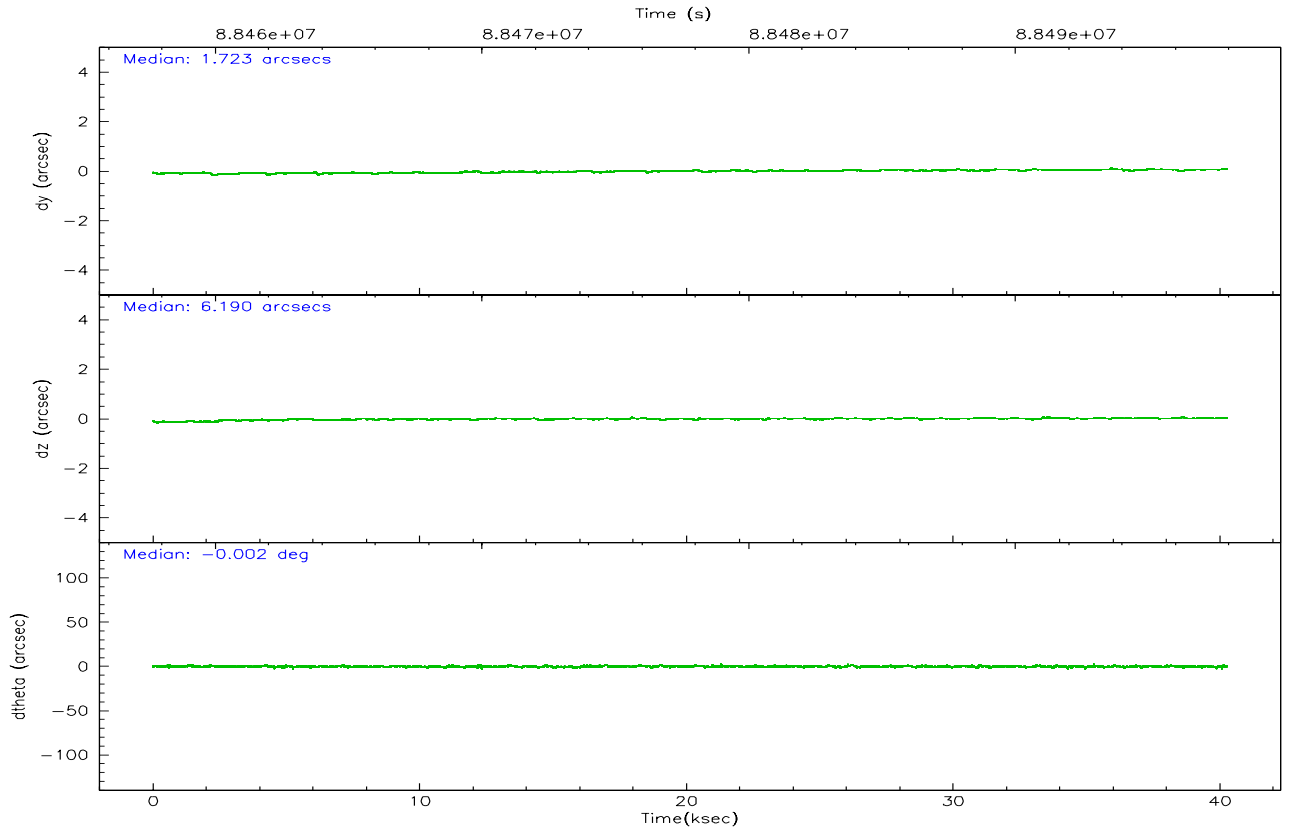
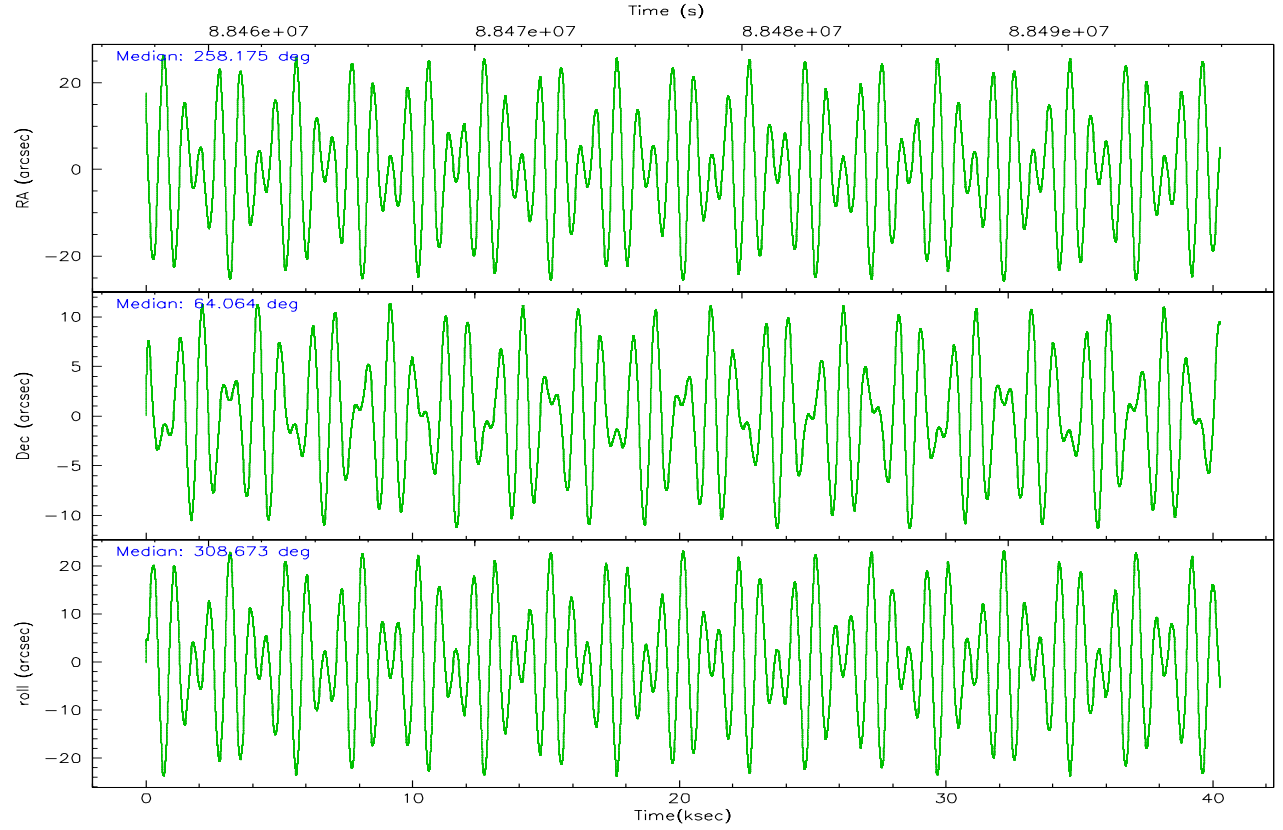
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	26709	27737	42053	34958	12263	13715
	10%	11%	14%	12%	4%	4%
grade 1 events	182	180	248	230	135	310
	0%	0%	0%	0%	0%	0%
grade 2 events	7620	7856	9171	8239	5682	27123
	3%	3%	3%	2%	2%	8%
grade 3 events	3364	3635	3720	3588	3026	12669
	1%	1%	1%	1%	1%	3%
grade 4 events	3317	3499	3616	3409	2918	12510
	1%	1%	1%	1%	1%	3%
grade 5 events	8706	9374	8597	9499	10536	30552
	3%	3%	2%	3%	3%	9%
grade 6 events	5265	6040	5538	5666	5682	71129
	2%	2%	1%	2%	2%	22%
grade 7 events	198266	192881	222306	217588	225919	153604
	78%	76%	75%	76%	84%	47%

## 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
Observation mode	POINTING	POINTING	Number of optional ACIS chips dropped	0	0
Pointing RA	258.117351	258.1758903139313	On-chip summing requested	N	N
Pointing Dec	64.074253	64.06421289926695	Subarray requested	NONE	NONE
Pointing Roll	308.528559	308.6846008281698	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Primary exposure time	3.200000	3.2
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	88457943.184000	88456925.45119999			
Observation start date	2000-10-20T19:37:59	2000-10-20T19:22:05			
Observation end time	88497943.184000	88498819.765285			
Observation end date	2000-10-21T06:44:39	2000-10-21T07:00:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect





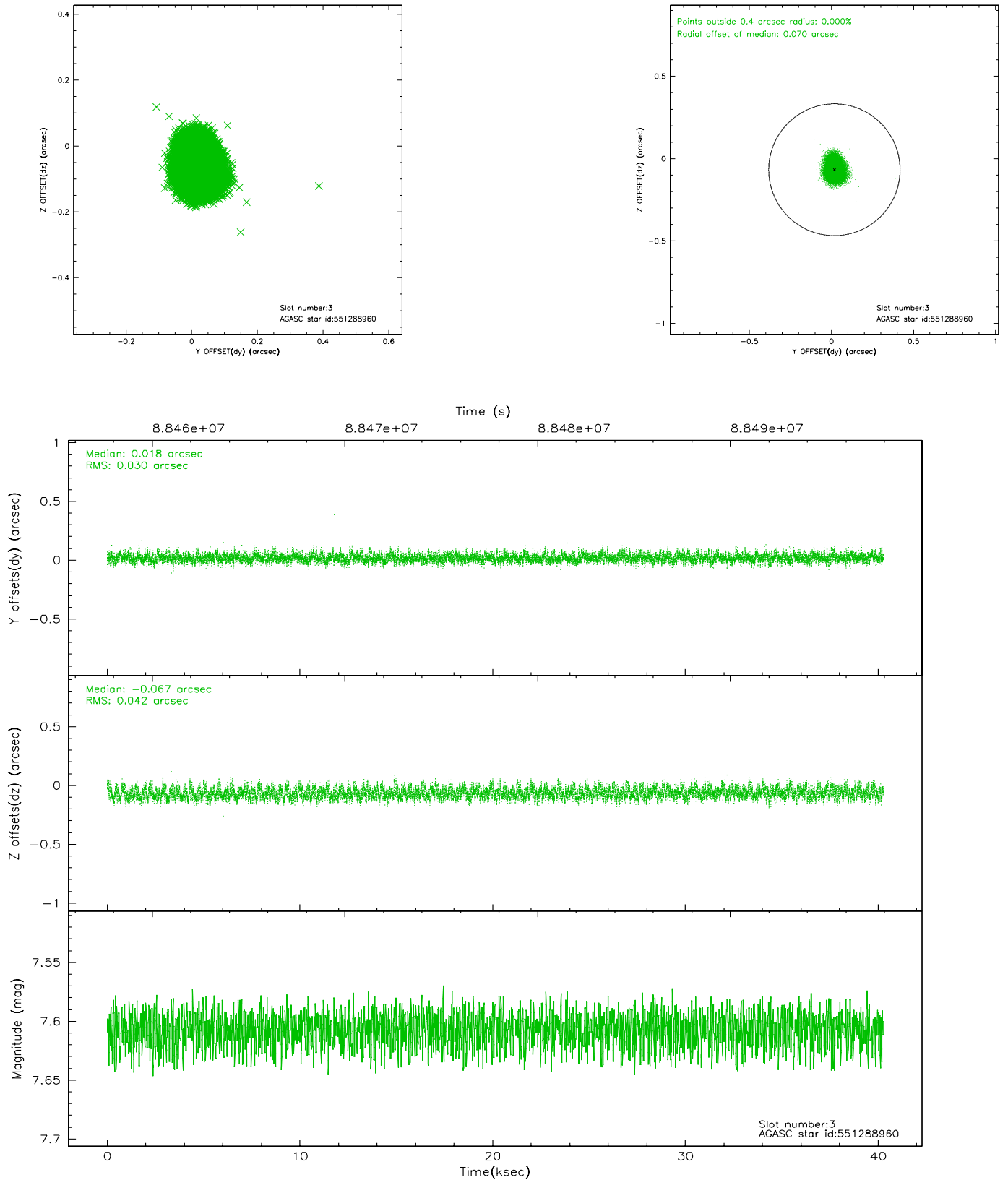
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	9821	-0.031	-0.043	0.009	0.015	0.000000	0.000000	-756.09	-835.96
1	FID	ACIS-I-4	7.18	9820	-0.076	0.038	0.007	0.013	0.000000	0.000000	2157.92	1070.29
2	FID	ACIS-I-5	7.23	9819	0.006	0.074	0.009	0.015	0.000000	0.000000	-1809.86	1068.18
3	GUIDE	551288960	7.61	19640	0.018	-0.067	0.056	0.088	259.407558	64.033161	1367.37	1511.79
4	GUIDE	550769792	8.09	19641	-0.019	0.119	0.071	0.126	258.096675	63.352089	2014.78	-1644.97
5	GUIDE	551298432	8.47	19636	-0.015	-0.049	0.055	0.089	259.325450	64.084337	1142.58	1520.86
6	GUIDE	550769896	8.64	19636	-0.016	0.037	0.085	0.131	257.787710	63.467361	1379.68	-1774.41
7	GUIDE	551295424	8.95	19630	0.041	-0.041	0.083	0.135	258.816851	64.438065	-351.34	1669.36

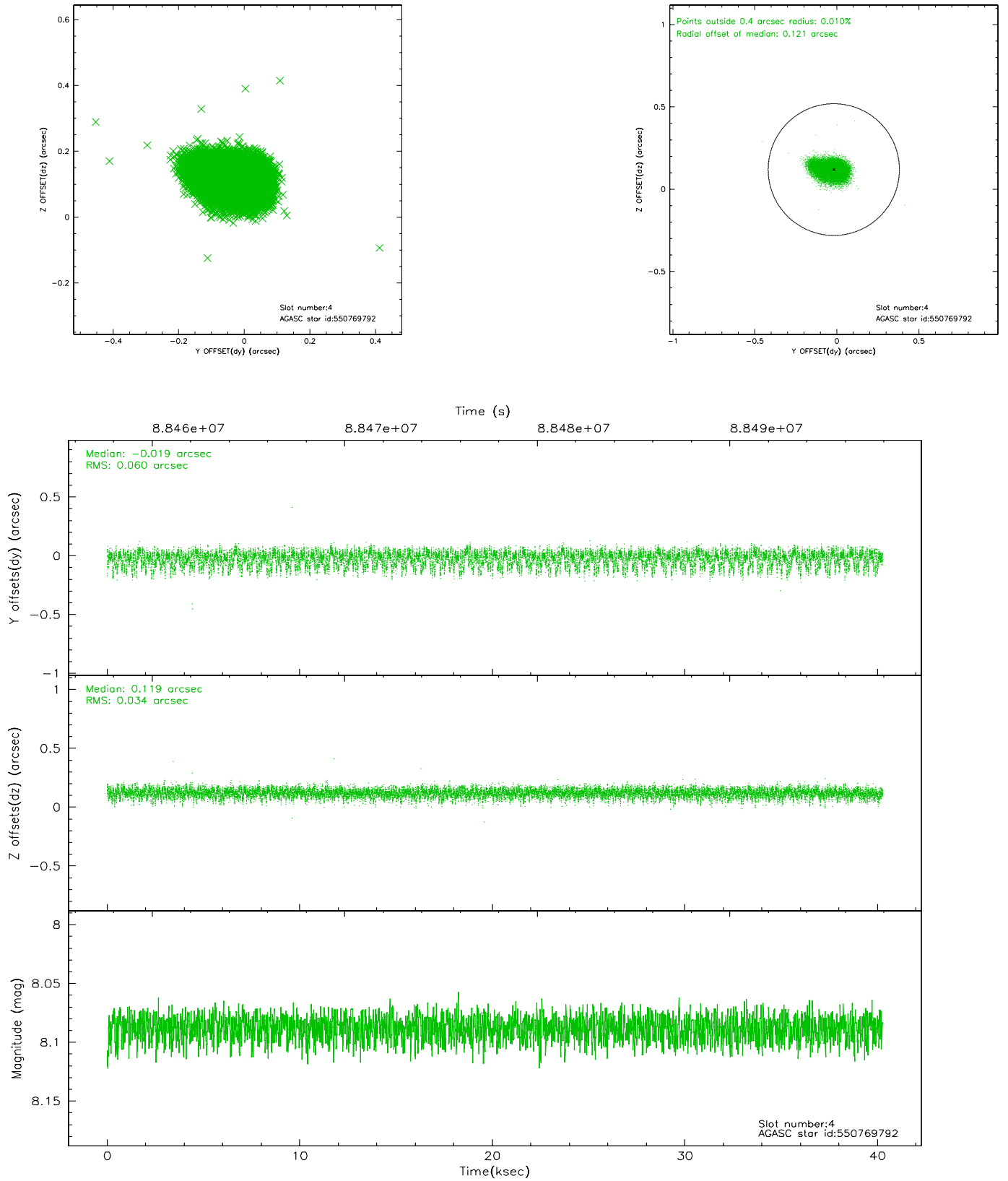


## 2.4 Star Slots

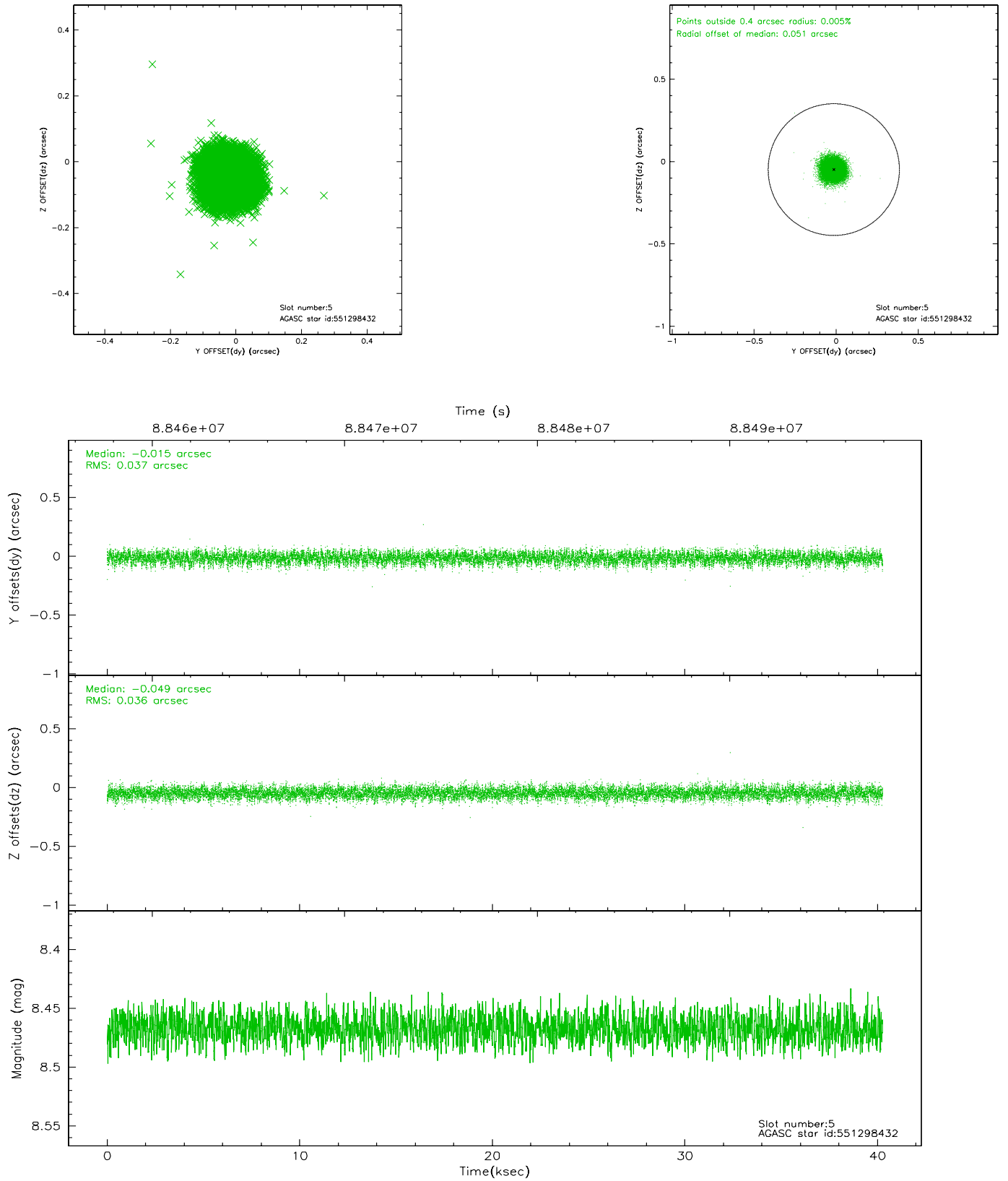
### 2.4.1 Slot 3



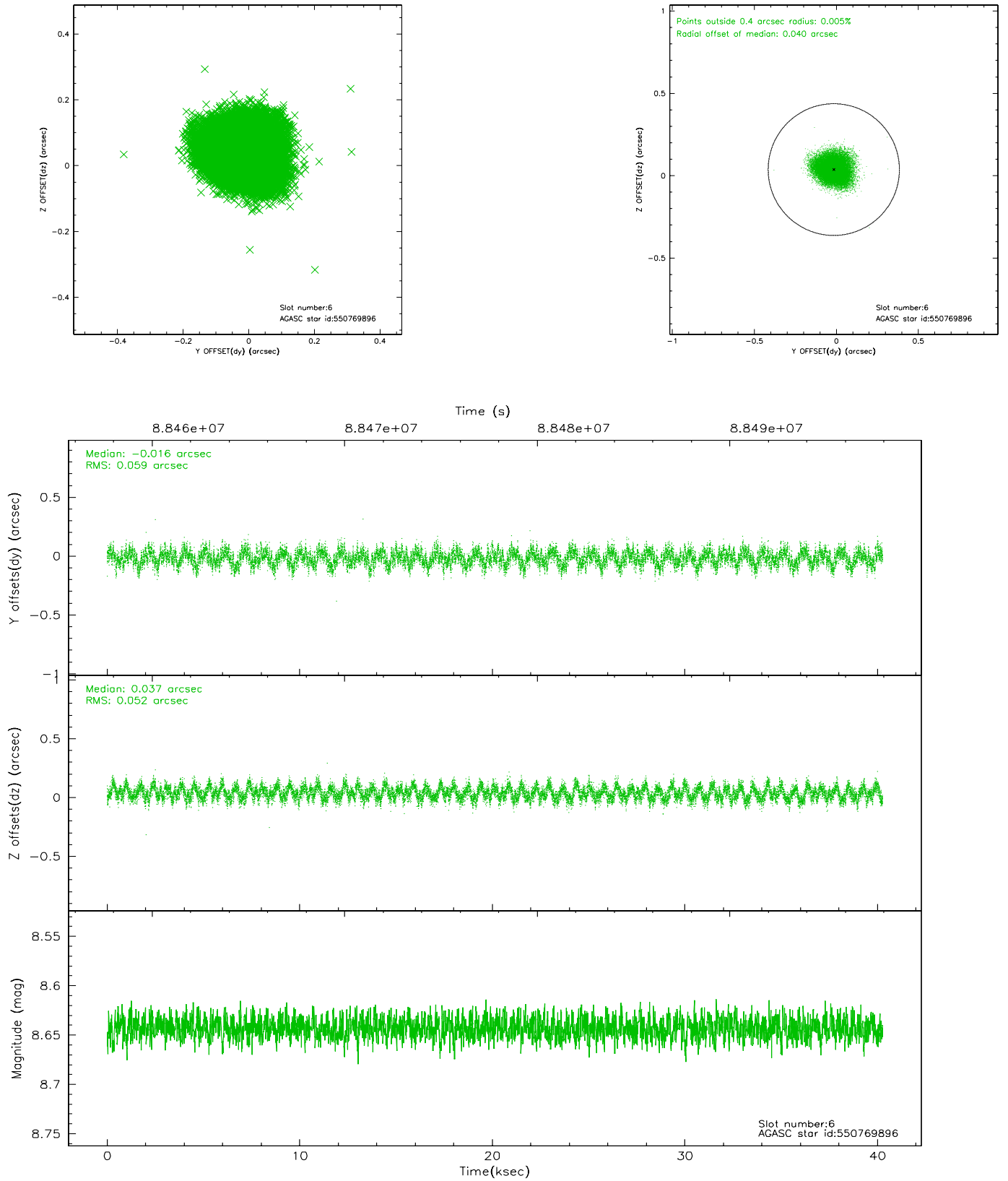
## 2.4.2 Slot 4



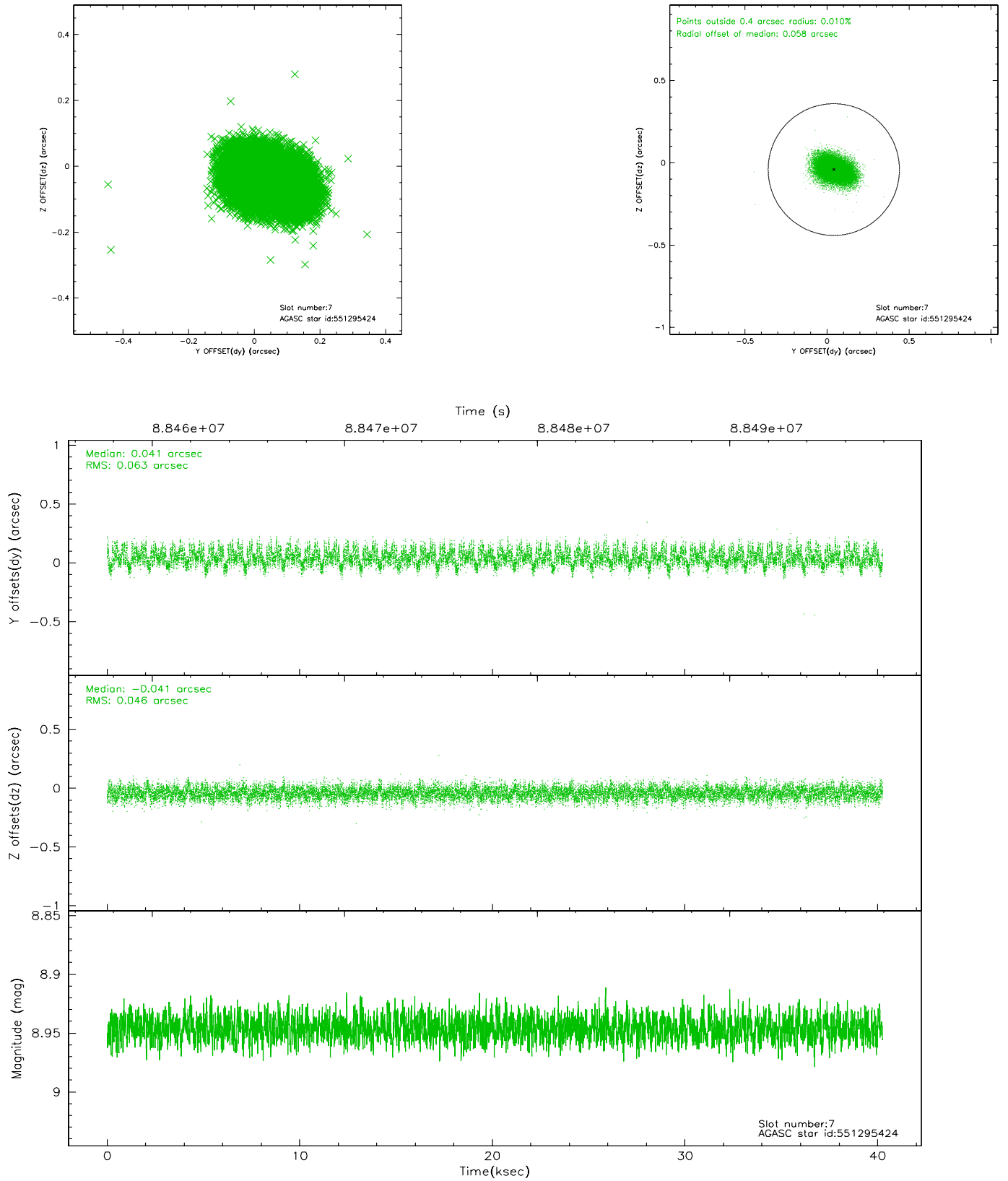
### 2.4.3 Slot 5



## 2.4.4 Slot 6

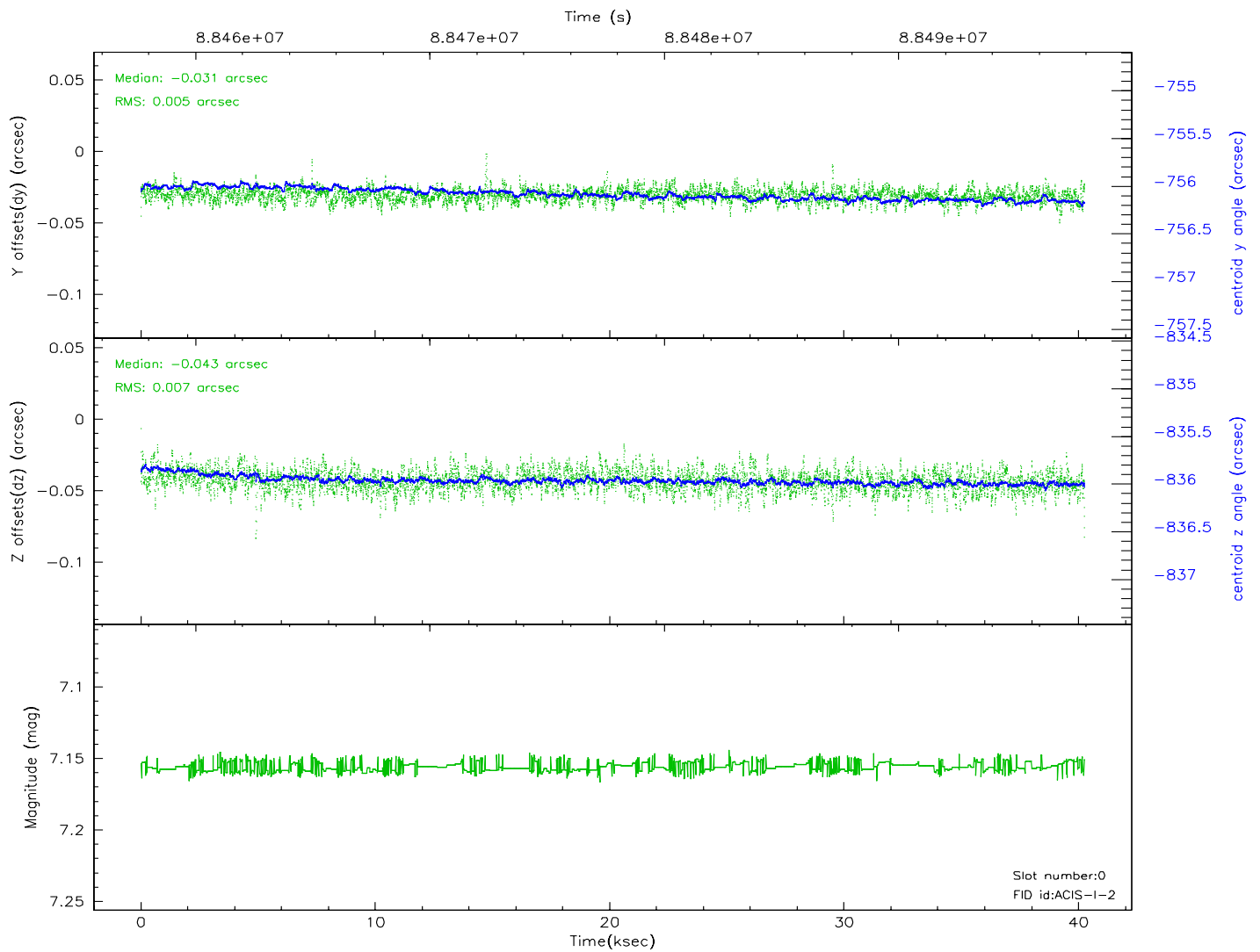
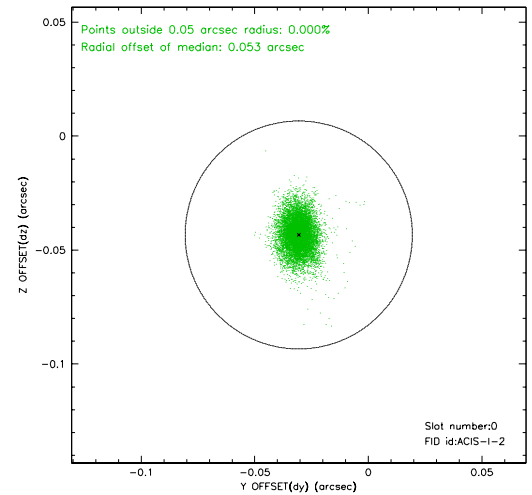
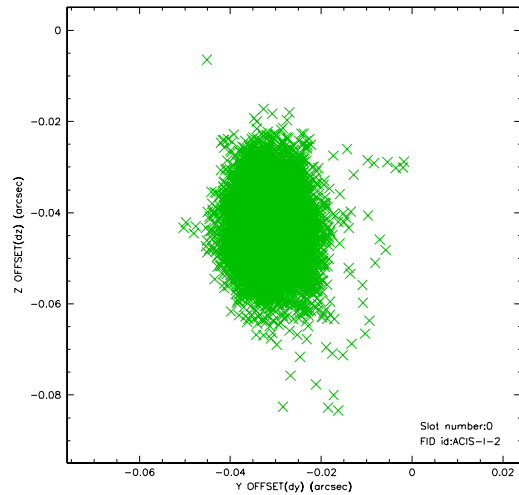


## 2.4.5 Slot 7

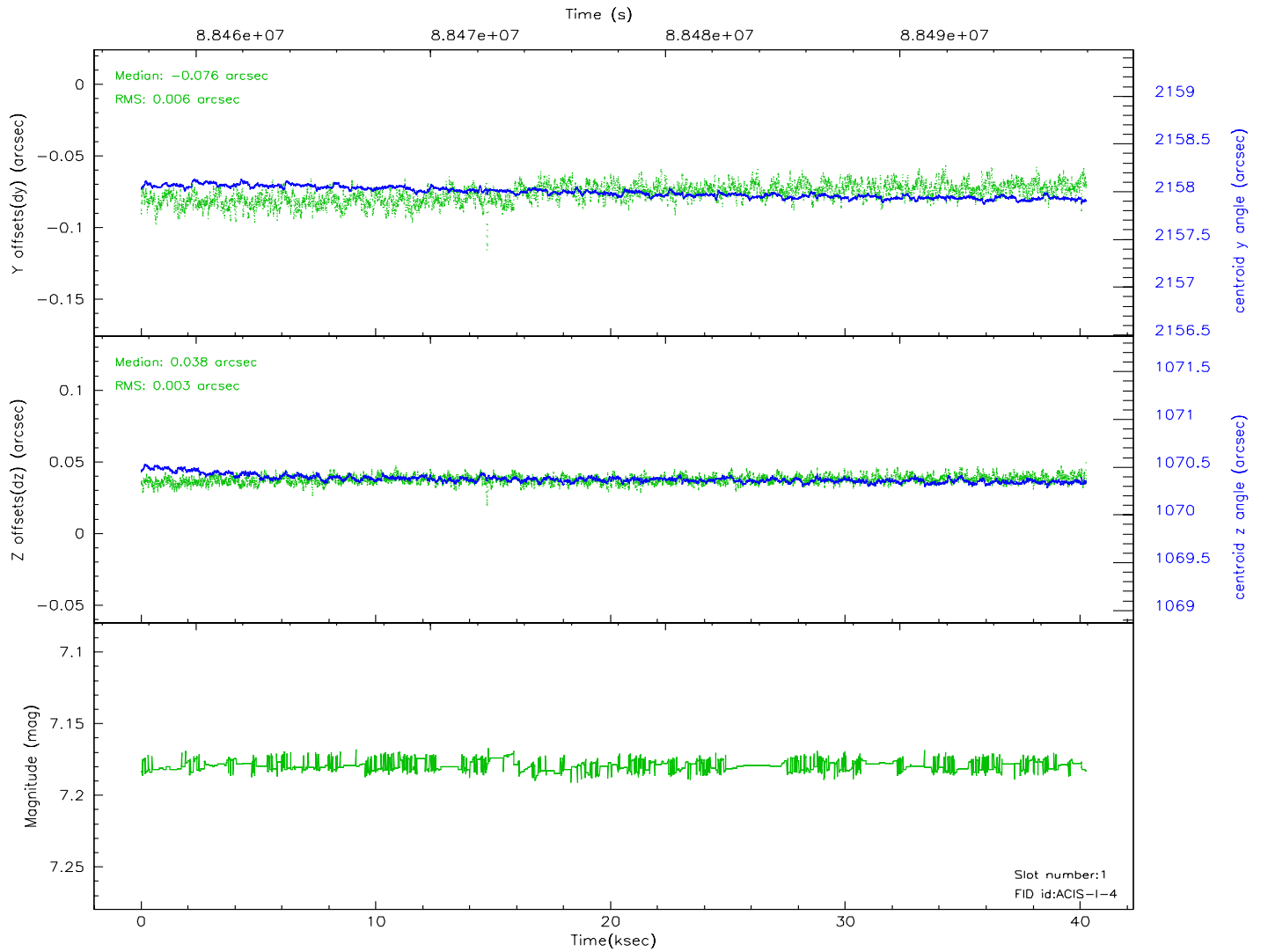
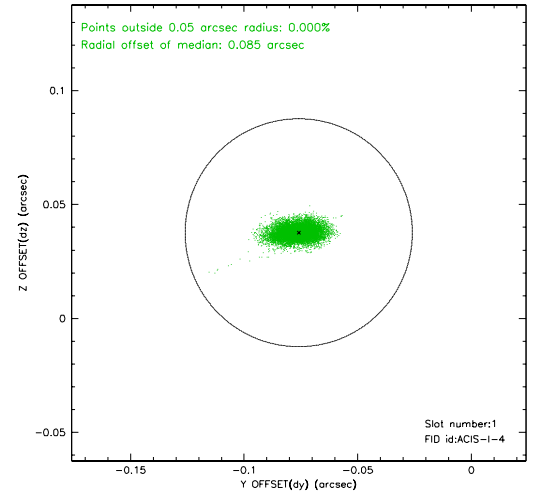
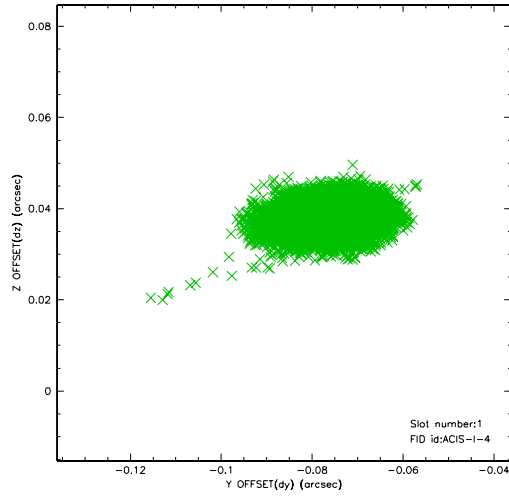


## 2.5 FID Slots

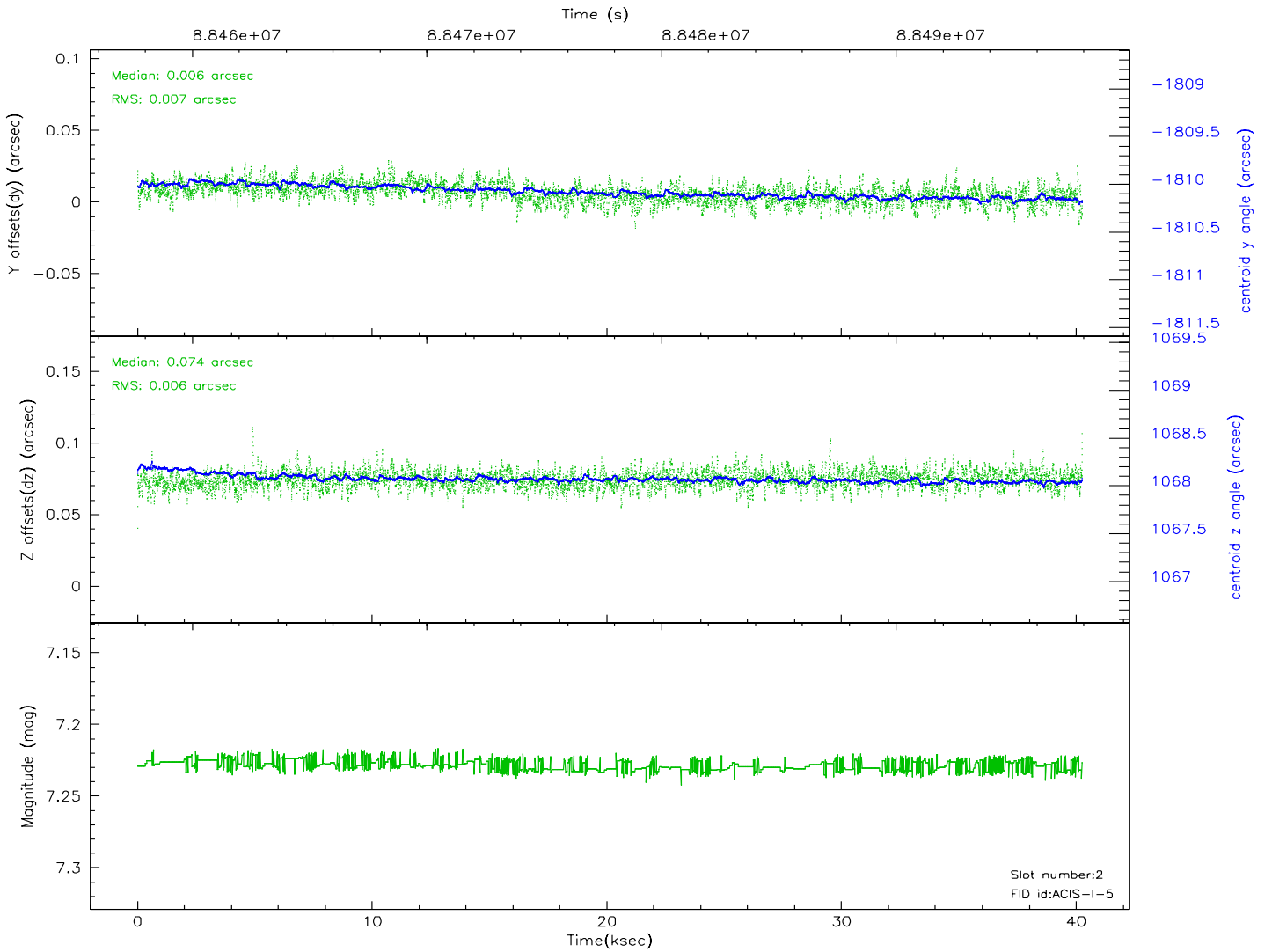
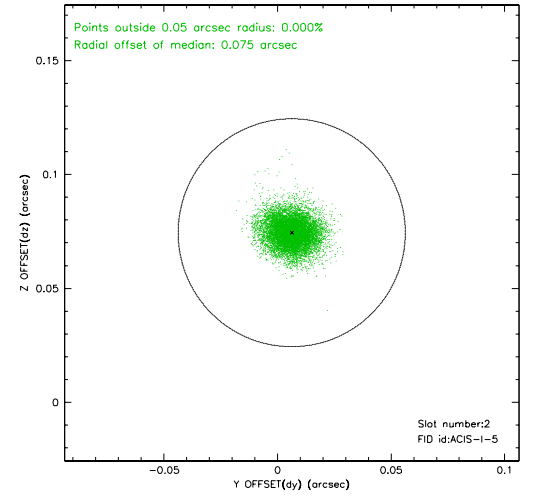
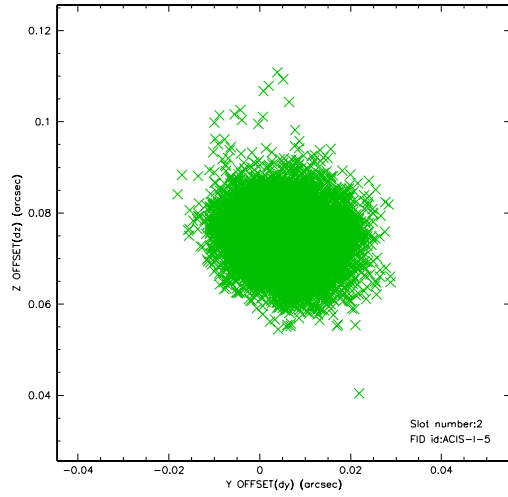
### 2.5.1 Slot 0



## 2.5.2 Slot 1

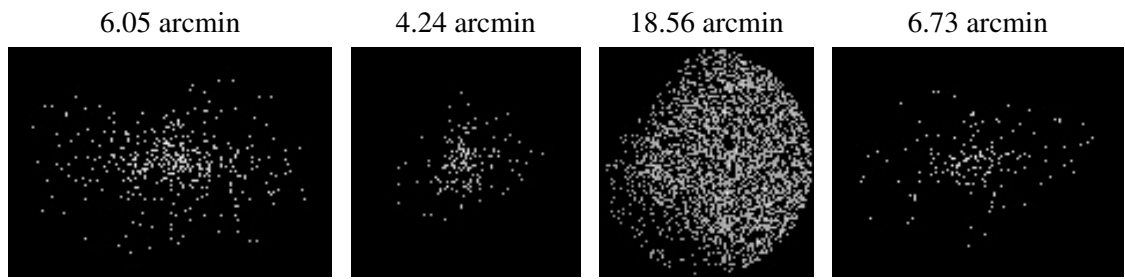


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.939

### A.2 Comments

Roll constraint met.