

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 4663 - L2 Version 001  
Chandra X-Ray Center

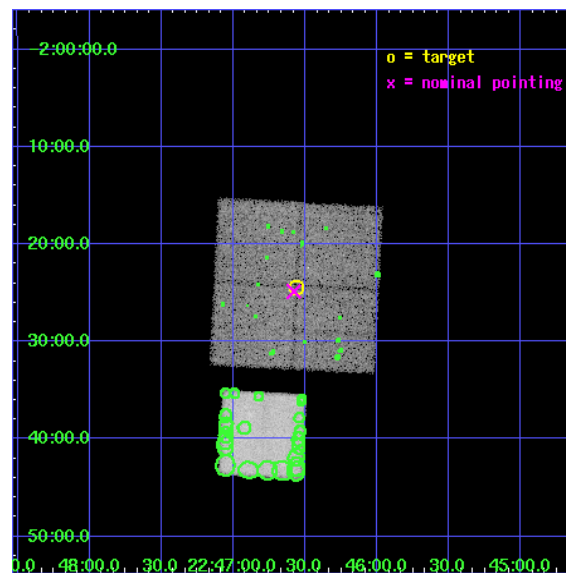
L2 Processing Date : Apr 19 2006

## 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

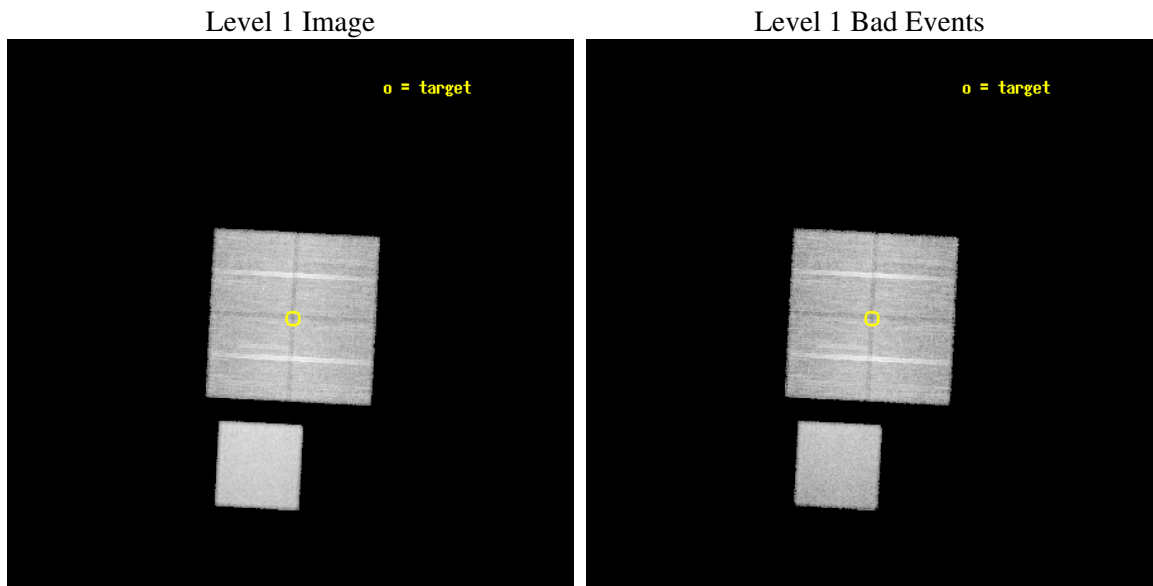
seq_num	500482
obs_id	4663
title	The Energetics and Host Galaxies of X-Ray Flashes
observer	Dr Derek Fox
object	XRF040825
dtcycle	0
cycle	P
ra_targ	341.640417
dec_targ	-2.407917
ra_nom	341.64481861629
dec_nom	-2.4142924400154
roll_nom	182.99555466838
revision	2
ontime	20118.999961317
livetime	19856.13041543
ontime0	20115.858981073
ontime1	20115.858991086
ontime2	20112.717980951
ontime3	20118.999961317
ontime7	20118.999961317
l2events	135869



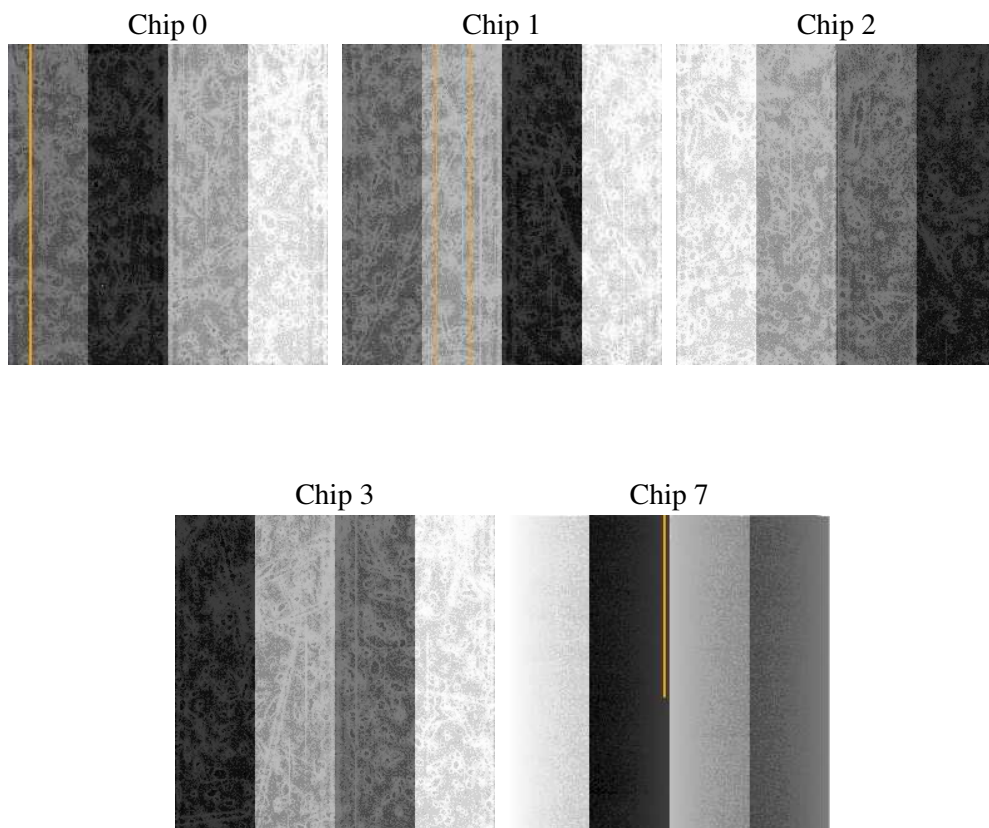
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-19T17:34:40
revision	2

sched_exp_time	20000.000000
ontime	20124.441927046
ontime0	20121.300946802
ontime1	20121.300956815
ontime2	20118.15994668
ontime3	20124.441927046
ontime7	20124.441927046
l1events	784355

### 2.1.4 Events

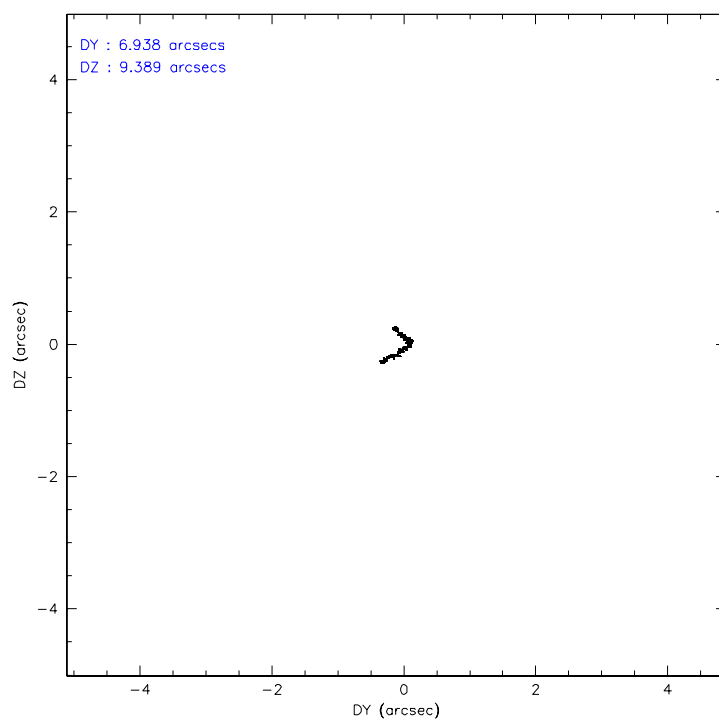
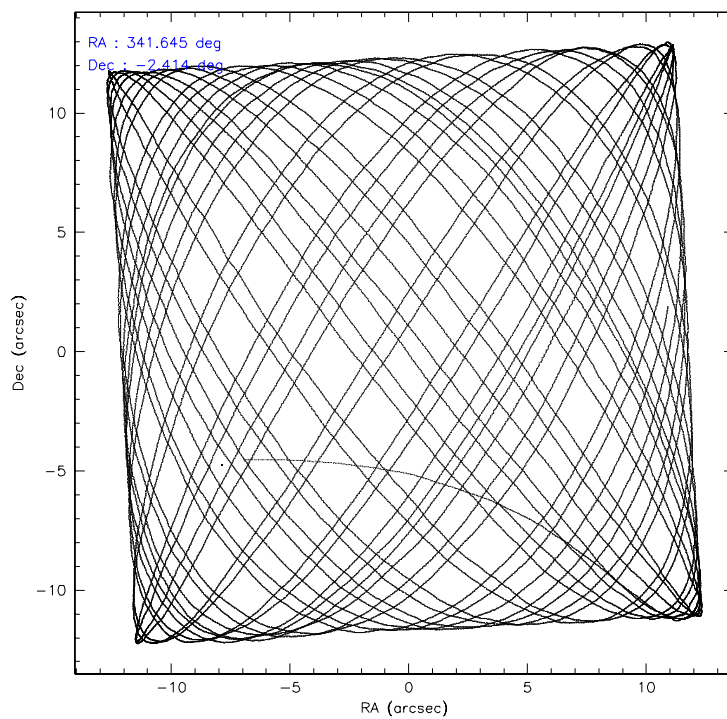
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	140164	141442	148737	148445	205567
rejected events	122328	122490	131335	131350	128639
rejected %	87%	86%	88%	88%	62%

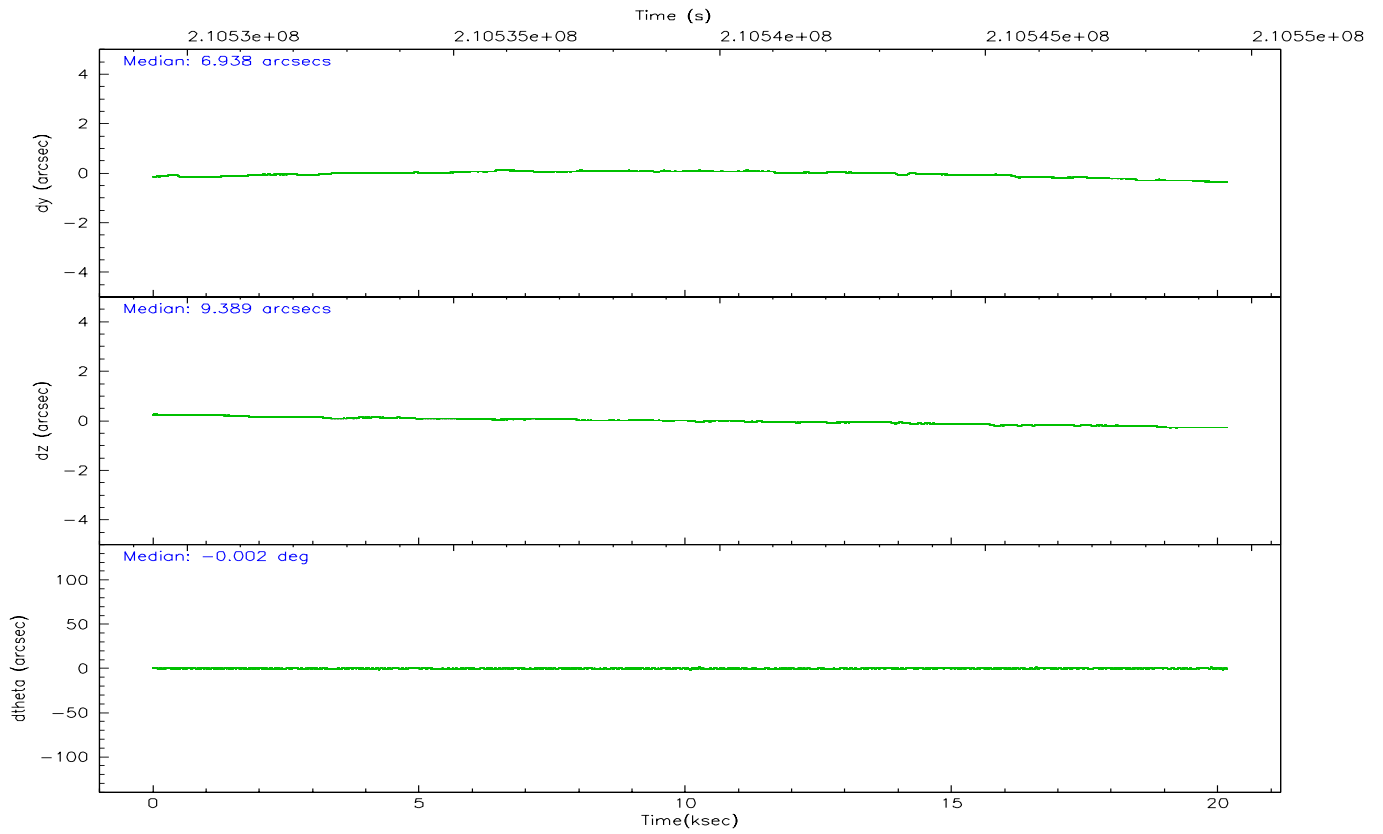
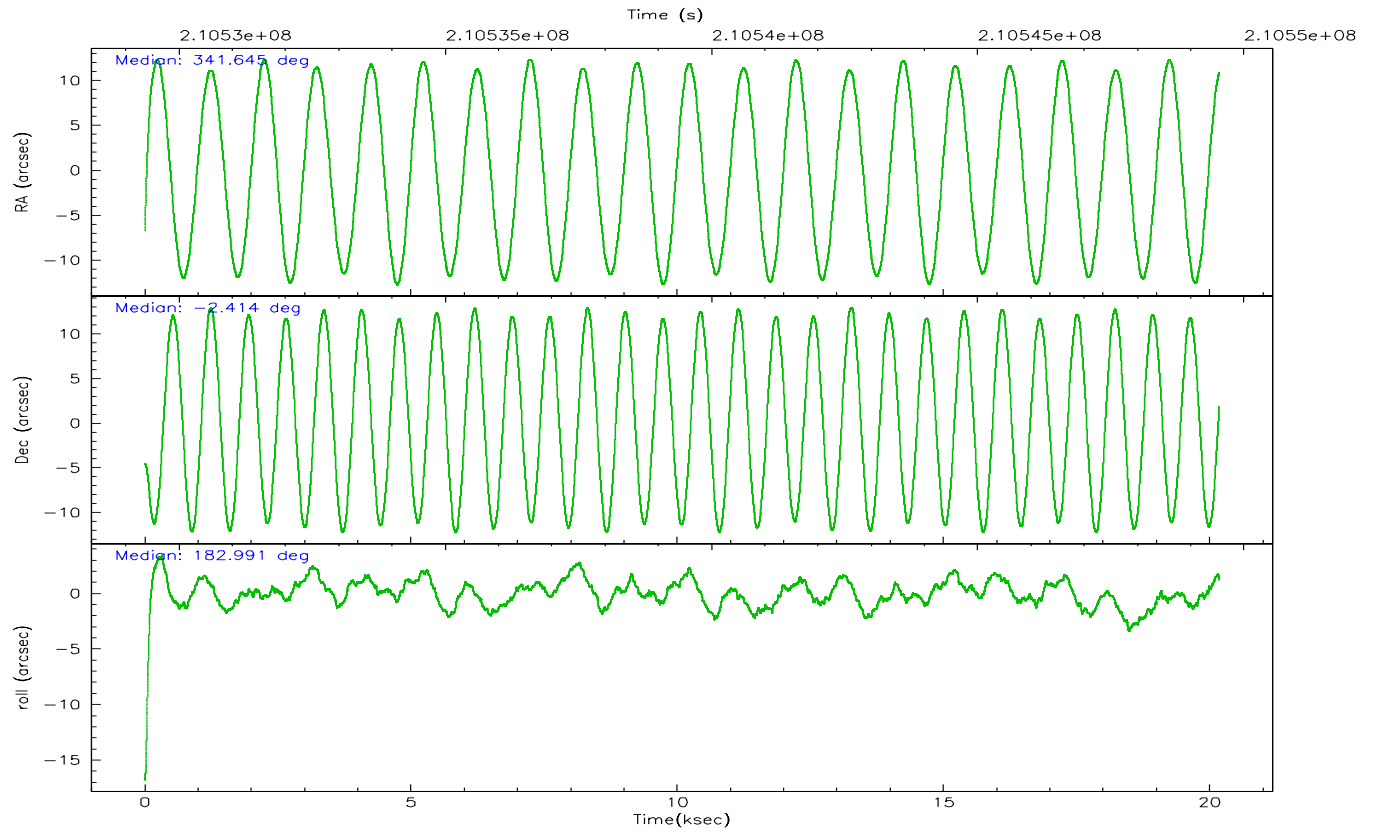
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	7572	7327	7596	7384	4057
	5%	5%	5%	4%	1%
grade 1 events	79	81	93	101	132
	0%	0%	0%	0%	0%
grade 2 events	3723	4209	3541	3348	19048
	2%	2%	2%	2%	9%
grade 3 events	1751	1869	1712	1732	3851
	1%	1%	1%	1%	1%
grade 4 events	1717	1808	1600	1691	3642
	1%	1%	1%	1%	1%
grade 5 events	6167	6558	5871	6937	13465
	4%	4%	3%	4%	6%
grade 6 events	3081	3747	2958	2945	46354
	2%	2%	1%	1%	22%
grade 7 events	116074	115843	125366	124307	115018
	82%	81%	84%	83%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	341.667712	341.6448186162937	Alternating exposures requested	N	N
Pointing Dec	-2.399241	-2.414292440015418	Primary exposure time	0.000000	3.1
Pointing Roll	182.787835	182.9955546683802			
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	210529541.184000	210528571.596			
Observation start date	2004-09-02T16:24:37	2004-09-02T16:09:31			
Observation end time	210549541.184000	210550074.04695			
Observation end date	2004-09-02T21:57:57	2004-09-02T22:07:54			
Read mode	TIMED	TIMED			

## 2.3 Aspect





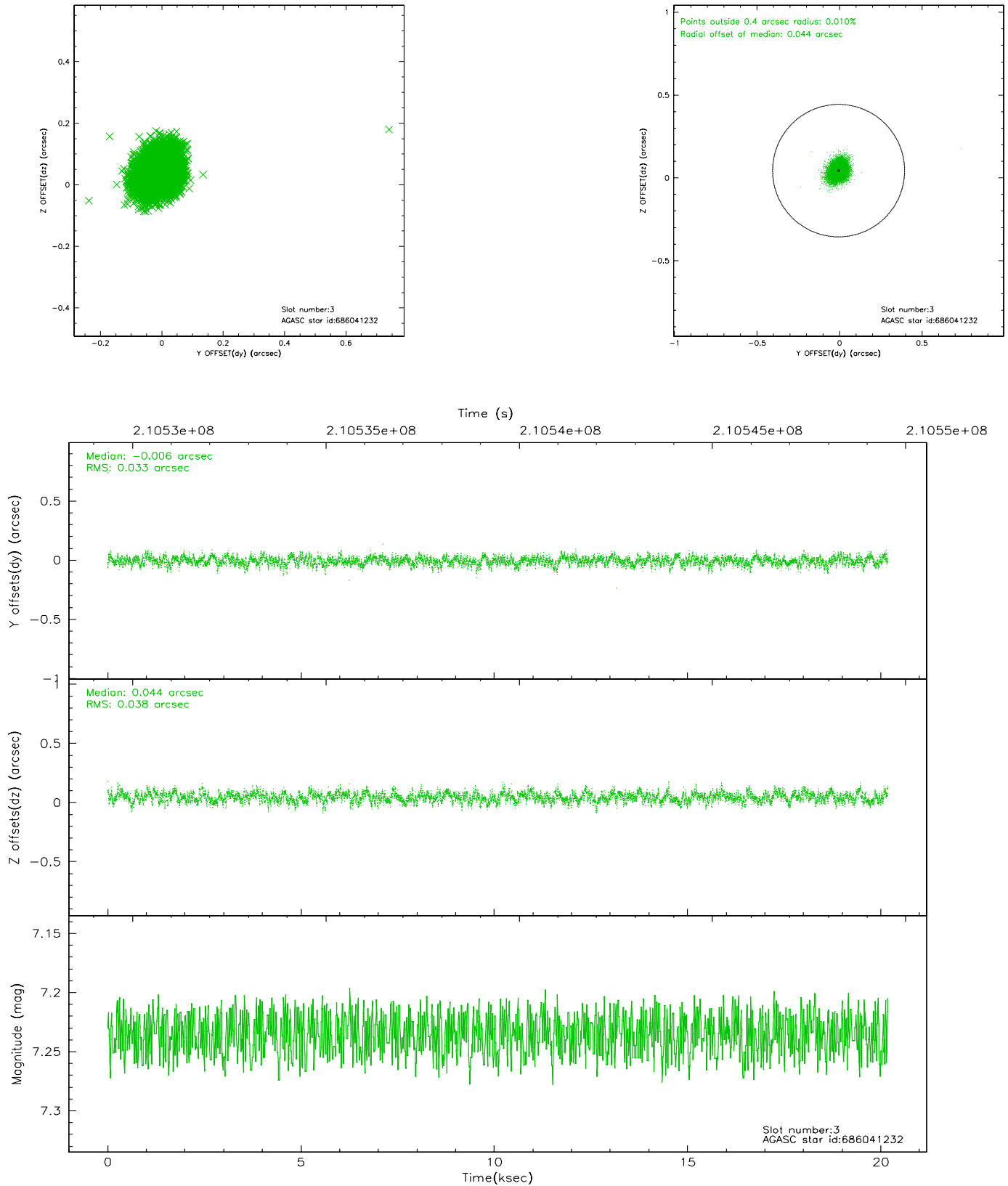
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	4922	-0.026	0.066	0.007	0.013	0.000000	0.000000	932.77	-832.76
1	FID	ACIS-I-5	7.23	4922	-0.118	0.015	0.006	0.011	0.000000	0.000000	-1815.34	1064.57
2	FID	ACIS-I-6	7.25	4922	0.052	-0.011	0.008	0.014	0.000000	0.000000	398.18	1709.27
3	GUIDE	686041232	7.23	9843	-0.006	0.044	0.053	0.086	341.873976	-1.788783	-847.81	-2158.95
4	GUIDE	686424624	7.87	9843	0.038	-0.032	0.060	0.096	341.803081	-2.709736	-432.18	1140.06
5	GUIDE	686426064	9.44	9809	-0.053	0.075	0.094	0.151	341.035207	-2.739354	2331.38	1113.33
6	GUIDE	686426664	9.40	9829	0.082	-0.050	0.086	0.137	341.935911	-2.825582	-888.15	1580.05
7	GUIDE	686425928	8.78	9841	-0.060	-0.037	0.069	0.112	341.017068	-2.531540	2360.50	362.78

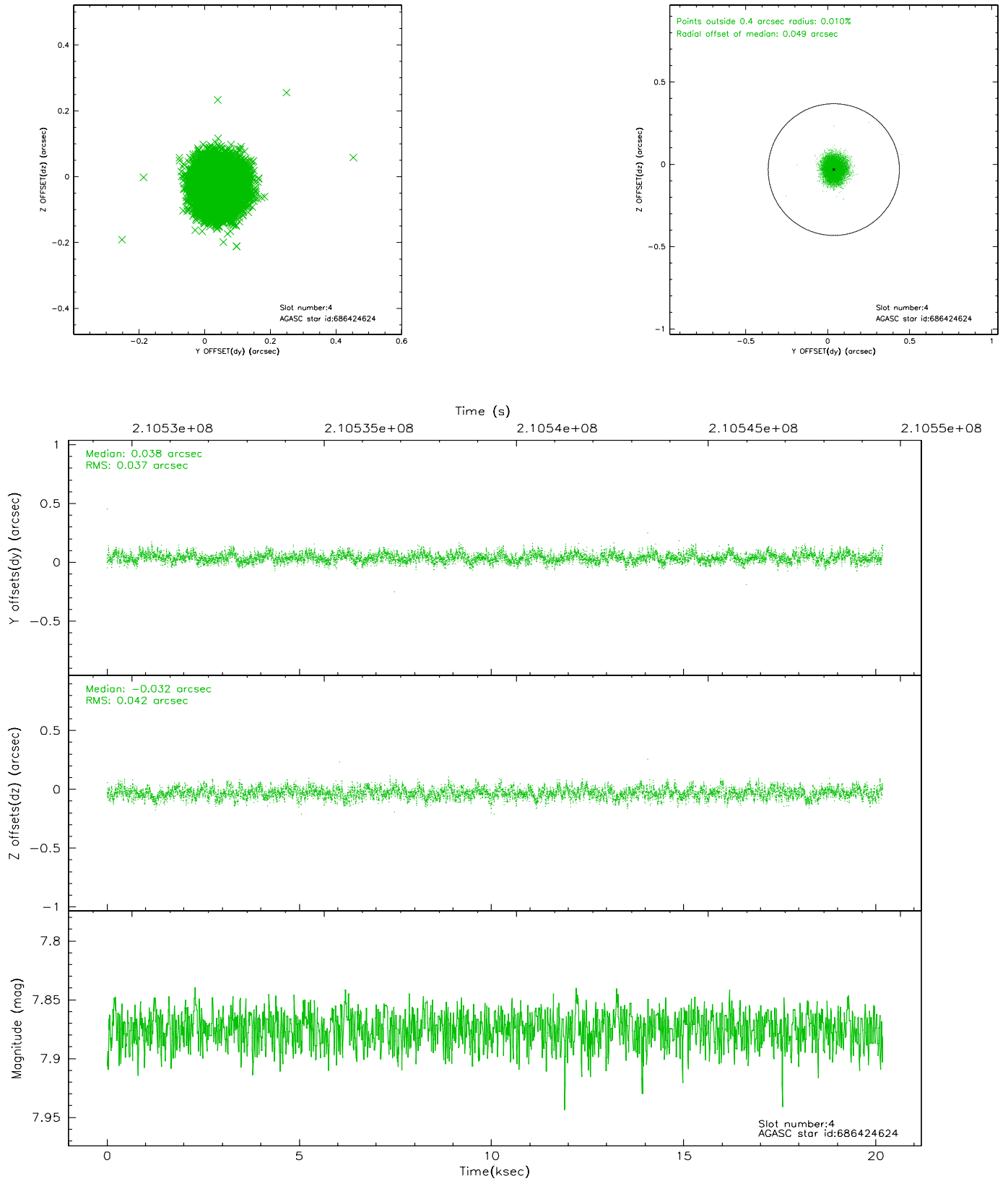


## 2.4 Star Slots

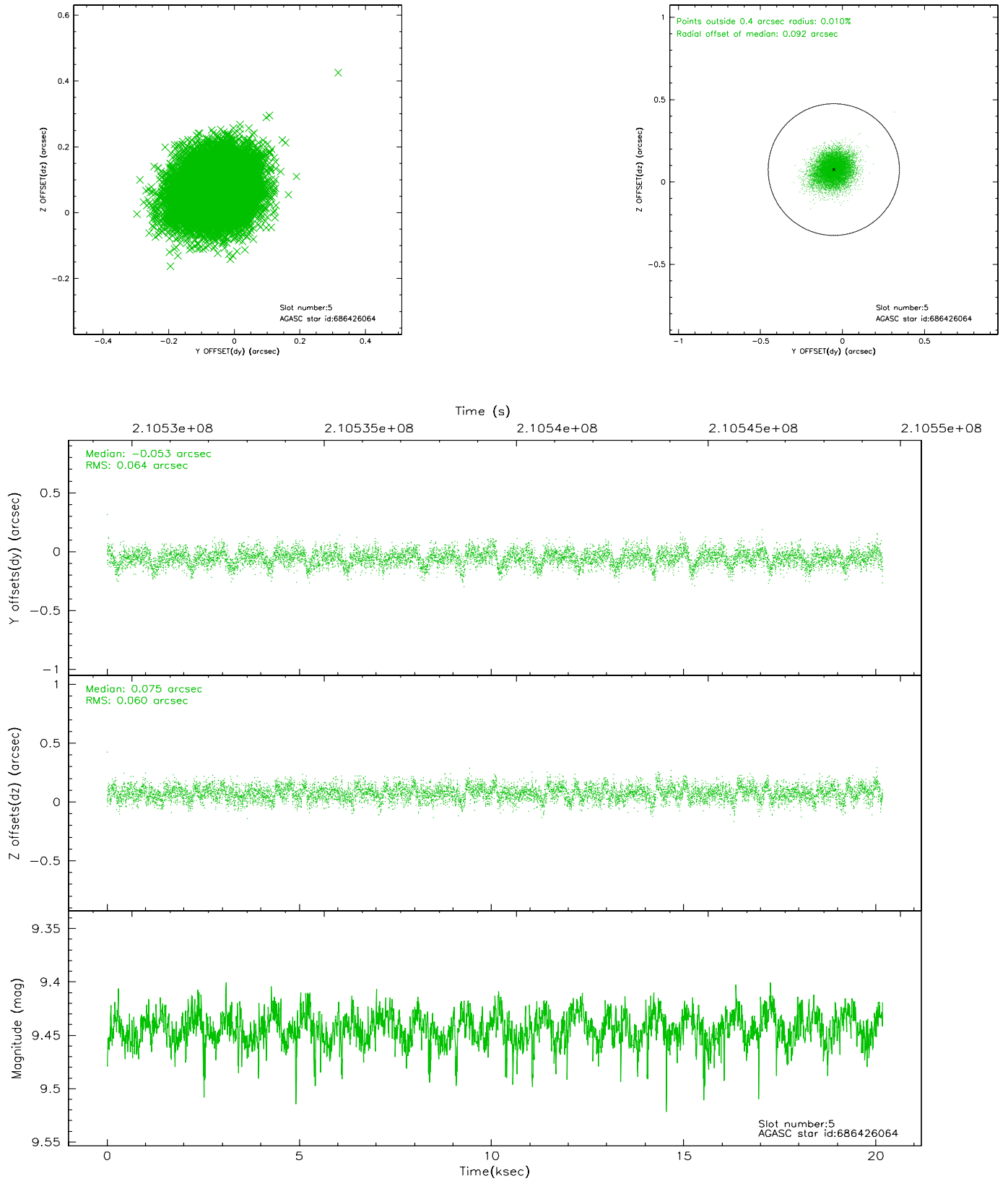
### 2.4.1 Slot 3



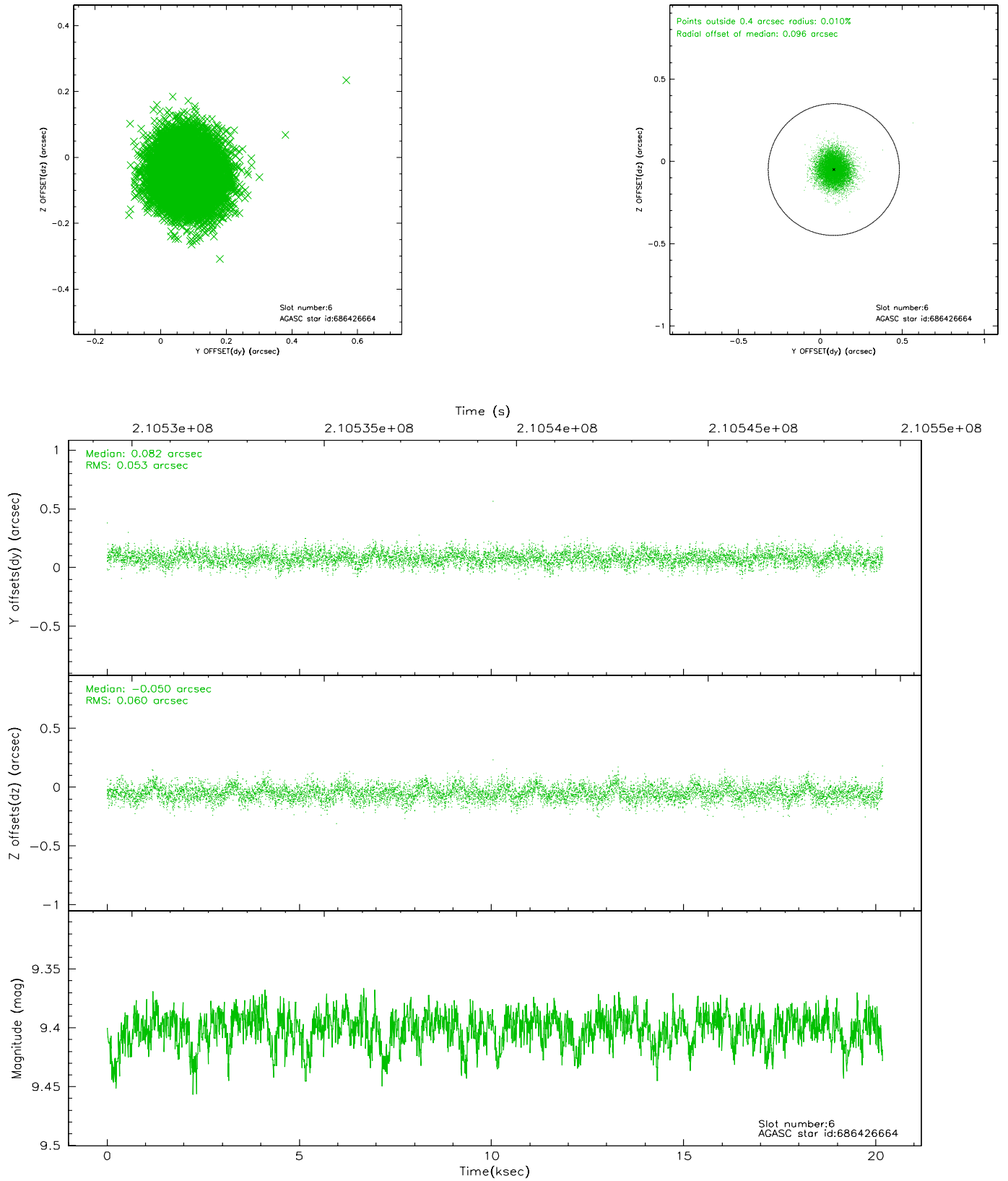
## 2.4.2 Slot 4



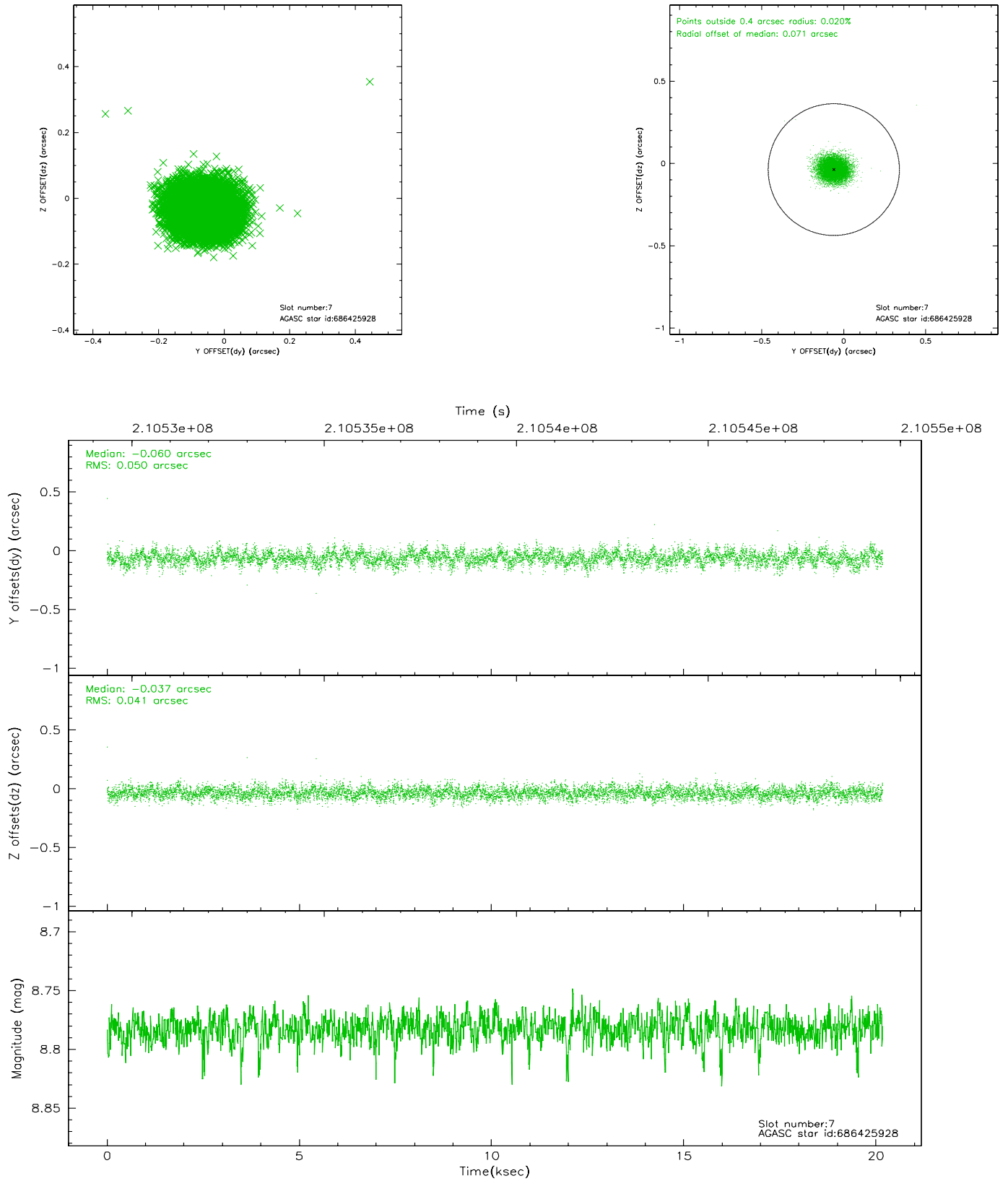
### 2.4.3 Slot 5



## 2.4.4 Slot 6

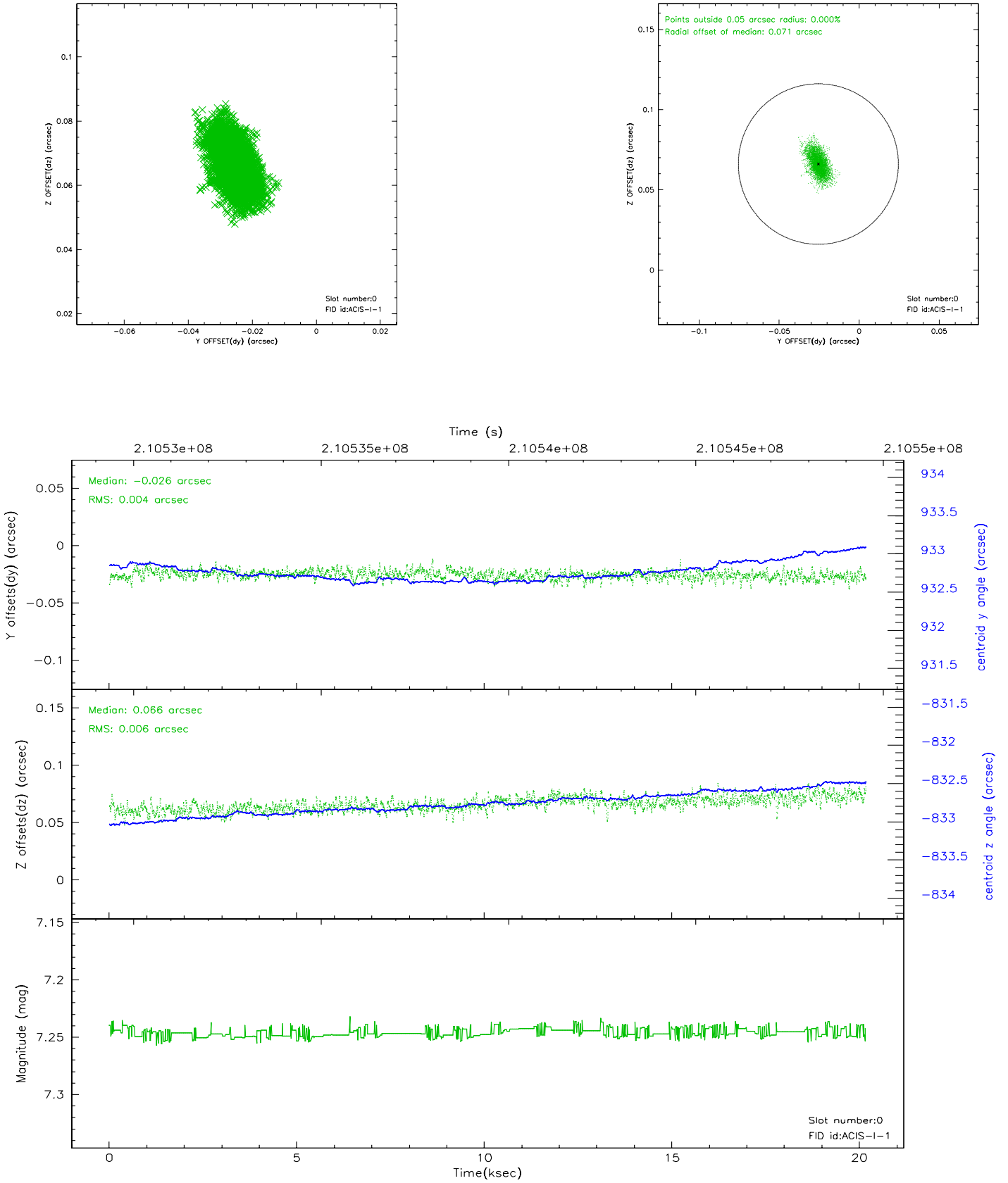


## 2.4.5 Slot 7

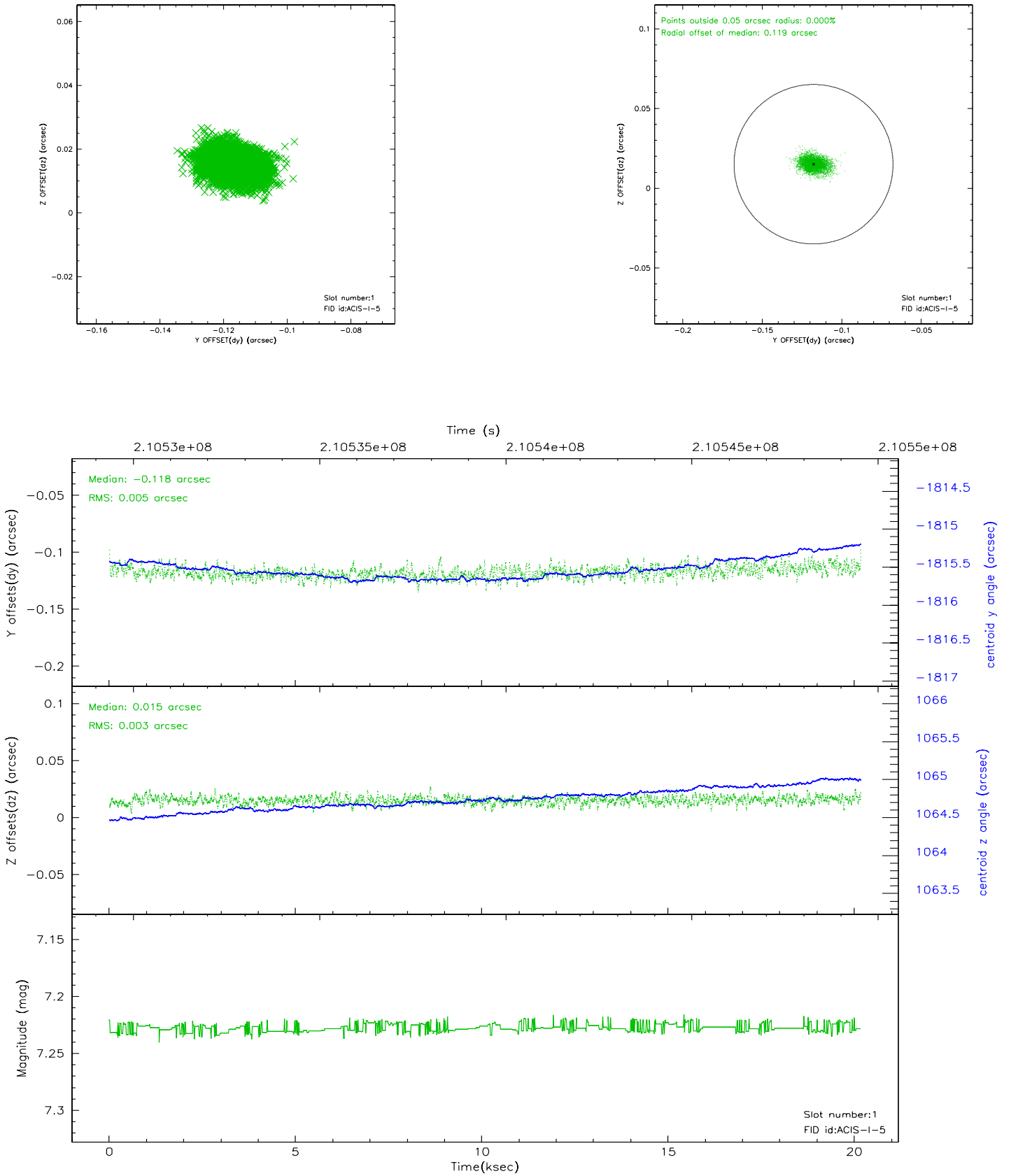


## 2.5 FID Slots

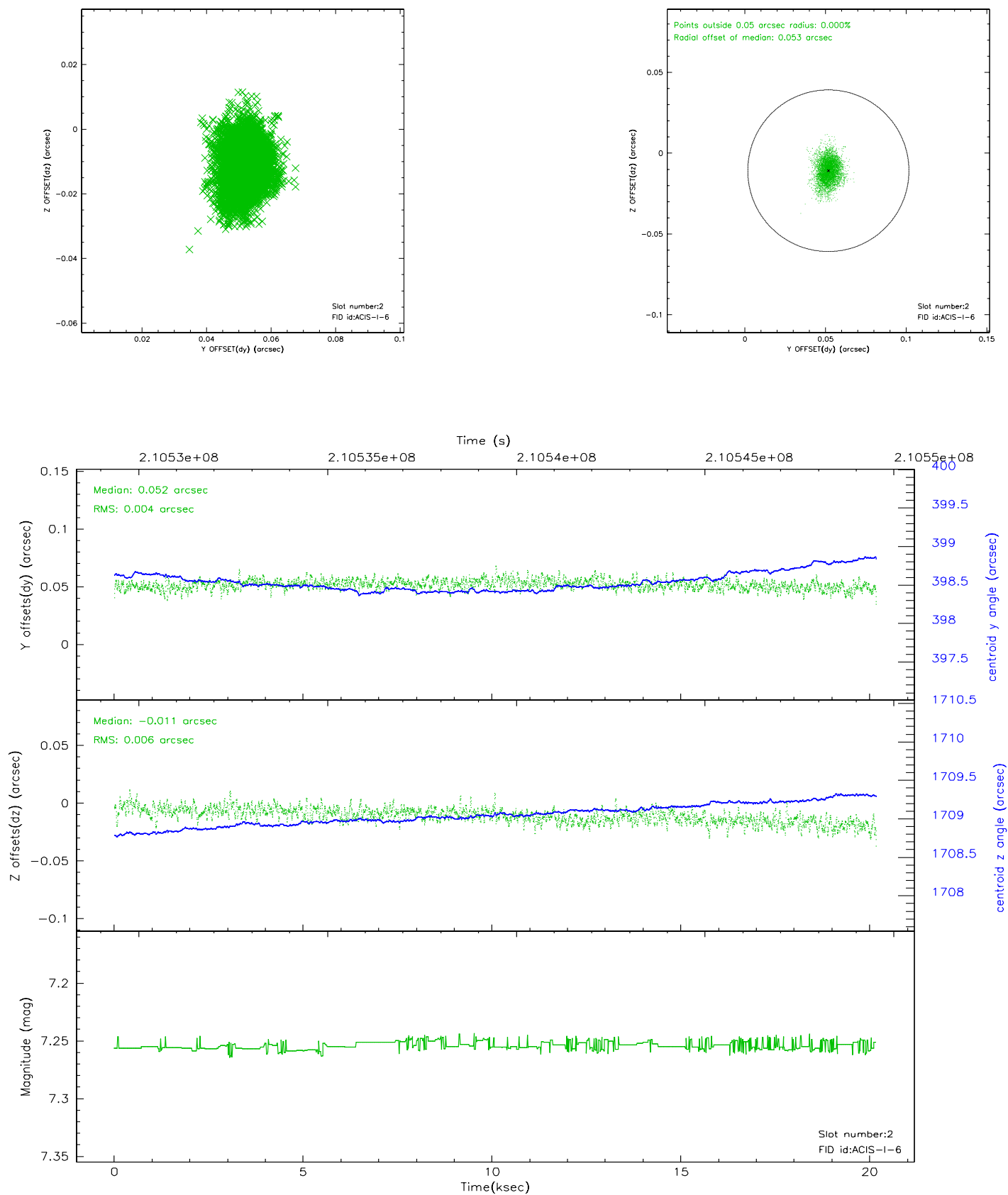
### 2.5.1 Slot 0



## 2.5.2 Slot 1

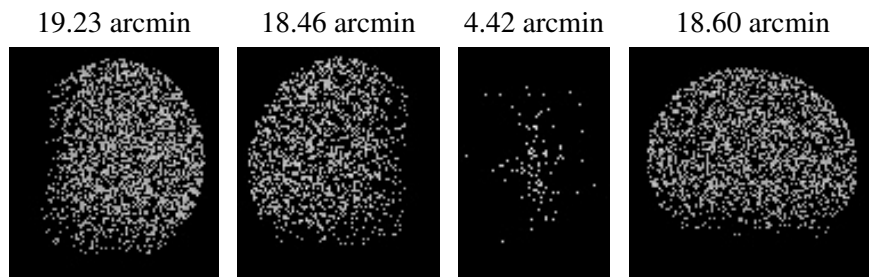


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.118

### A.2 Comments