

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2824 - L2 Version 001  
Chandra X-Ray Center

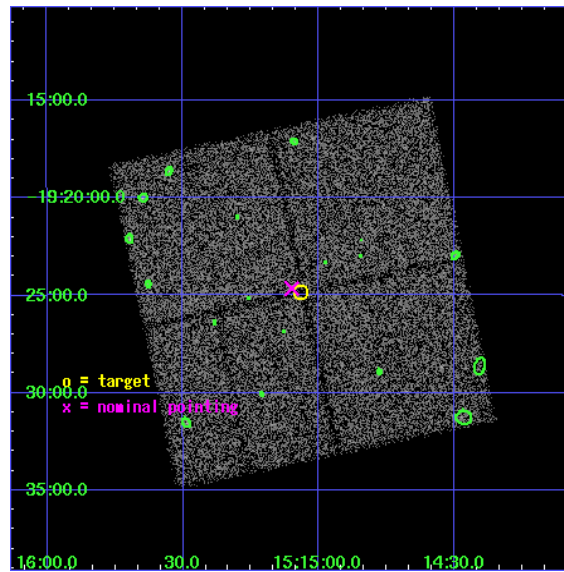
L2 Processing Date : Sep 18 2006

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# 1 Front

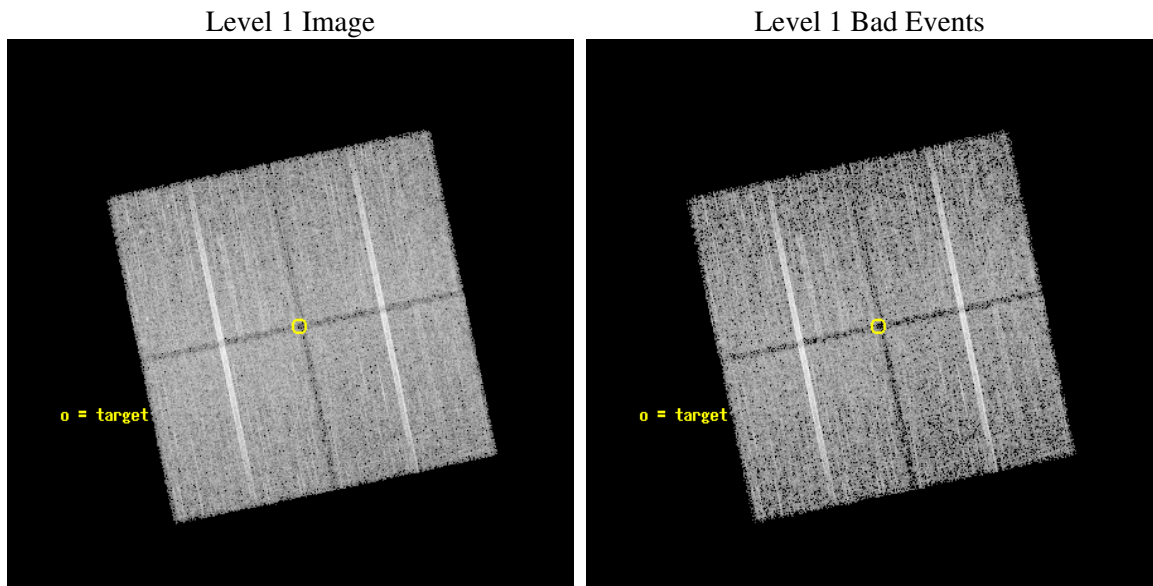
seq_num	500274
obs_id	2824
title	LOCALIZATION OF OPTICALLY-DARK GAMMA-RAY BURSTS BY CHANDRA AND HST
observer	Dr. george Ricker
object	GRB020531
dtcycle	0
cycle	P
ra_targ	228.767083
dec_targ	-19.413472
ra_nom	228.77472116718
dec_nom	-19.410906286317
roll_nom	258.10273997487
revision	2
ontime	20078.29035899
livetime	19815.952714028
ontime0	20087.713259667
ontime1	20090.854199976
ontime2	20075.149378866
ontime3	20078.29035899
l2events	53981



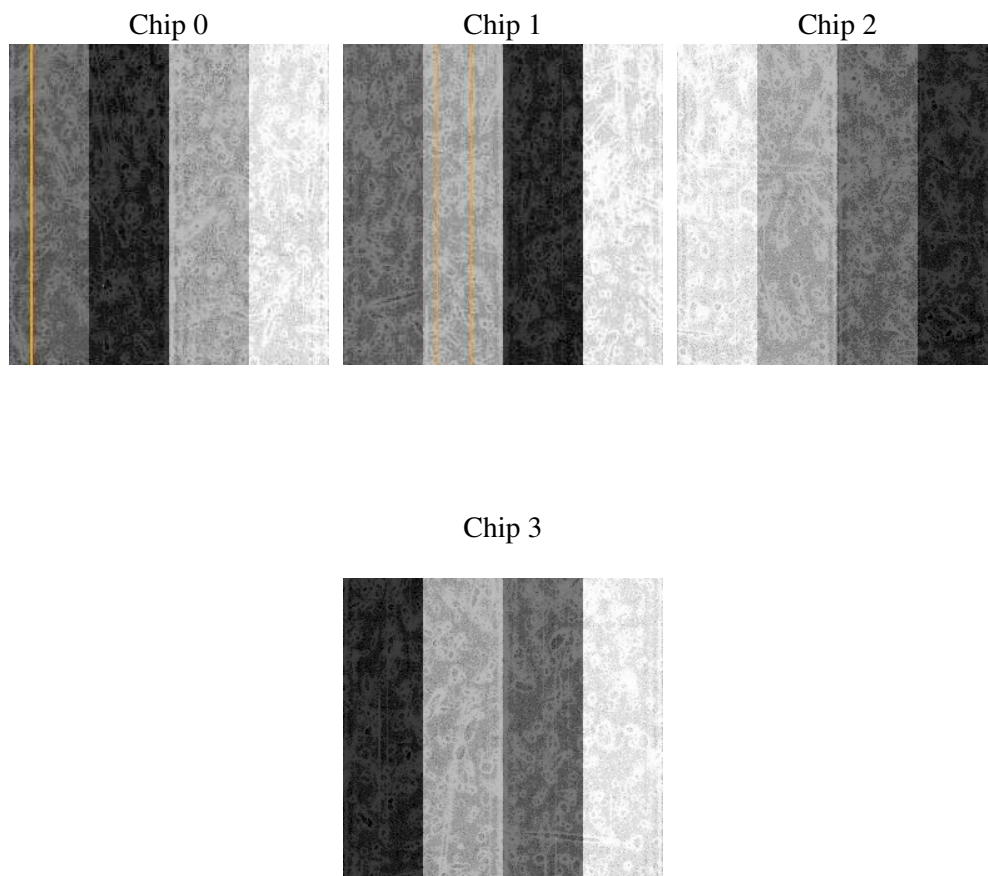
## 2 OBI

### 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	2006-09-18T07:04:44
revision	2

sched_exp_time	20000.000000
ontime	20325.436627686
ontime0	20344.282608598
ontime1	20341.141388893
ontime2	20328.577767491
ontime3	20325.436627686
l1events	538692

### 2.1.4 Events

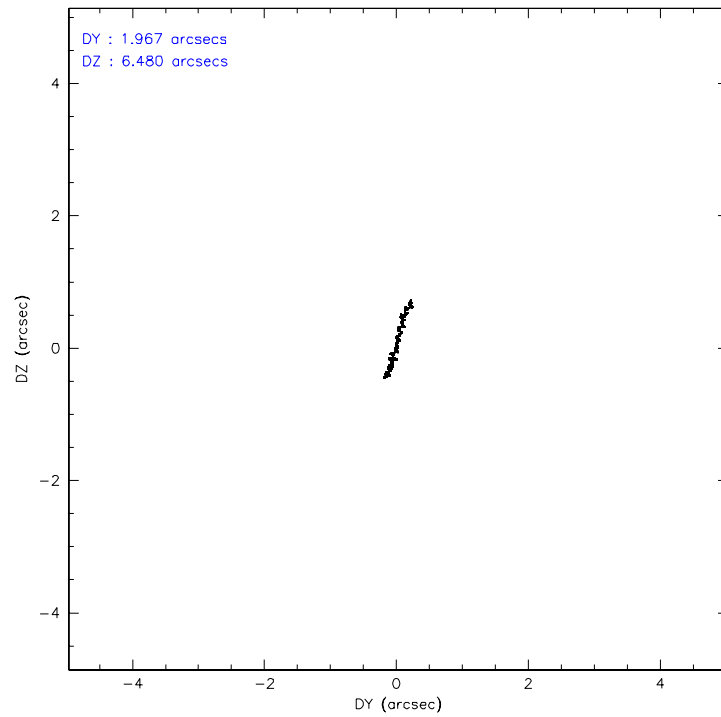
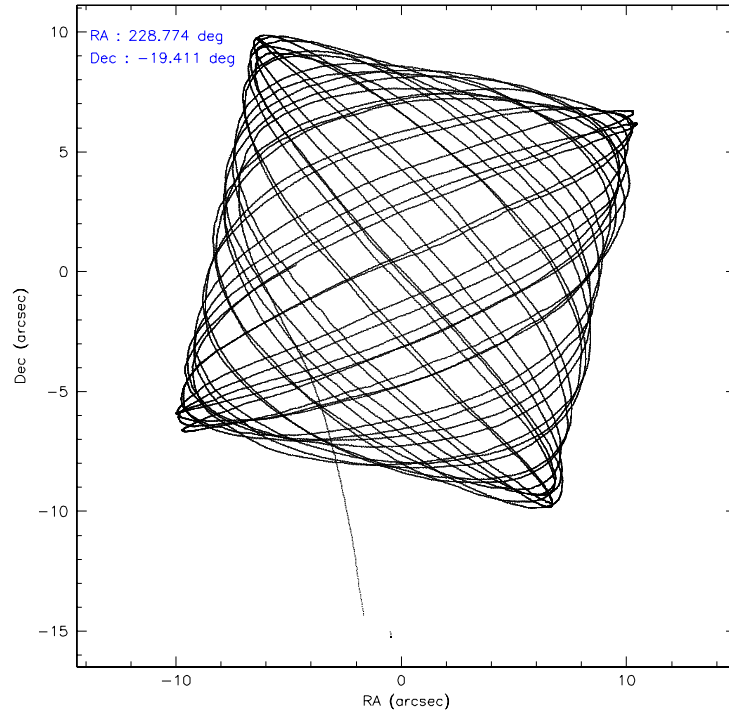
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	128069	130276	139272	141075
rejected events	112422	113731	123776	125725
rejected %	87%	87%	88%	89%

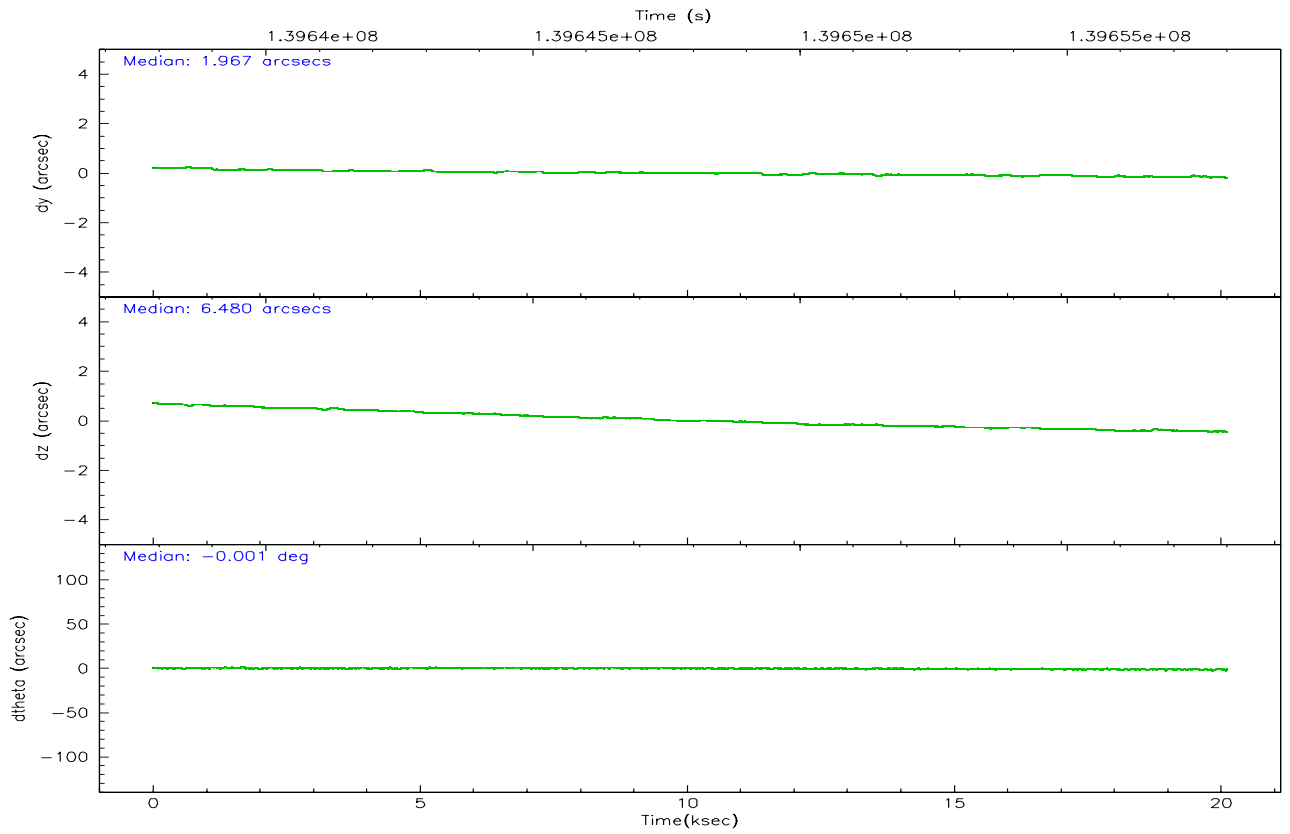
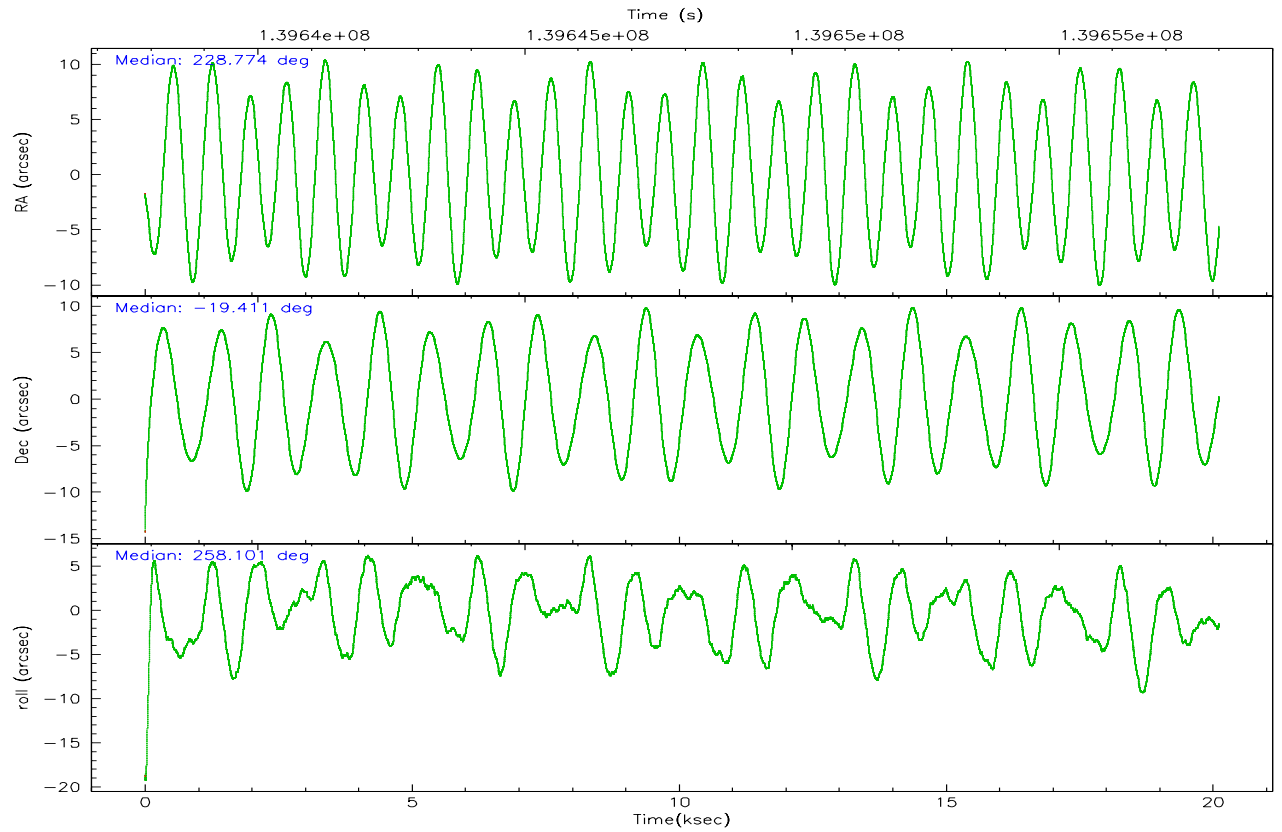
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	11130	11216	11494	11264
	8%	8%	8%	7%
grade 1 events	81	73	74	85
	0%	0%	0%	0%
grade 2 events	4800	4748	4788	4434
	3%	3%	3%	3%
grade 3 events	2141	2121	1908	1981
	1%	1%	1%	1%
grade 4 events	1978	2169	1934	1866
	1%	1%	1%	1%
grade 5 events	4903	5374	4641	5365
	3%	4%	3%	3%
grade 6 events	3940	4144	3787	3900
	3%	3%	2%	2%
grade 7 events	99096	100431	110646	112180
	77%	77%	79%	79%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	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	228.765634	228.7747211671756	Subarray requested	NONE	NONE
Pointing Dec	-19.384883	-19.4109062863174	Alternating exposures requested	N	N
Pointing Roll	257.891048	258.1027399748654	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	139638001.184000	139636821.5676			
Observation start date	2002-06-05T04:18:57	2002-06-05T04:00:21			
Observation end time	139658001.184000	139658656.11849			
Observation end date	2002-06-05T09:52:17	2002-06-05T10:04:16			
Read mode	TIMED	TIMED			

## 2.3 Aspect





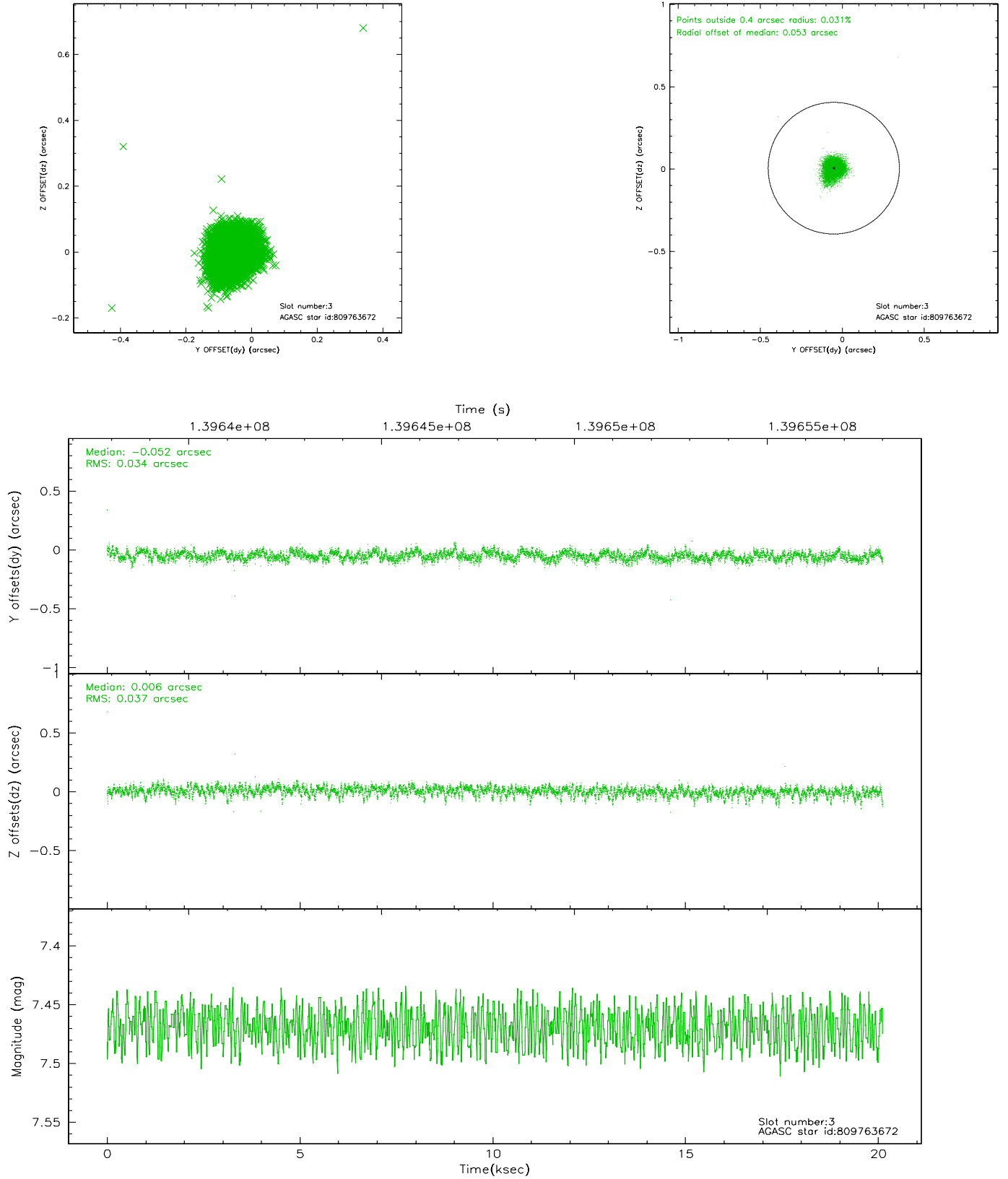
### Slot Statistics

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	4907	-0.032	0.048	0.016	0.025	0.000000	0.000000	937.80	-829.89
1	FID	ACIS-I-5	7.23	4905	-0.008	0.033	0.013	0.024	0.000000	0.000000	-1810.15	1067.55
2	FID	ACIS-I-6	7.26	4906	-0.049	-0.010	0.021	0.031	0.000000	0.000000	403.18	1712.18
3	GUIDE	809763672	7.47	9813	-0.052	0.006	0.051	0.086	228.584213	-18.953335	-1390.12	-928.95
4	GUIDE	809768000	9.16	9812	0.034	0.057	0.069	0.113	228.679264	-19.407220	139.15	-269.01
5	GUIDE	809765760	8.74	9811	0.057	0.042	0.080	0.123	229.188364	-20.001489	1871.40	1865.30
6	GUIDE	809763472	9.73	9811	-0.005	0.002	0.122	0.197	229.511835	-18.885739	-2285.70	2110.49
7	GUIDE	809763216	9.38	9806	-0.040	-0.108	0.107	0.174	228.184095	-18.817707	-1578.73	-2364.28

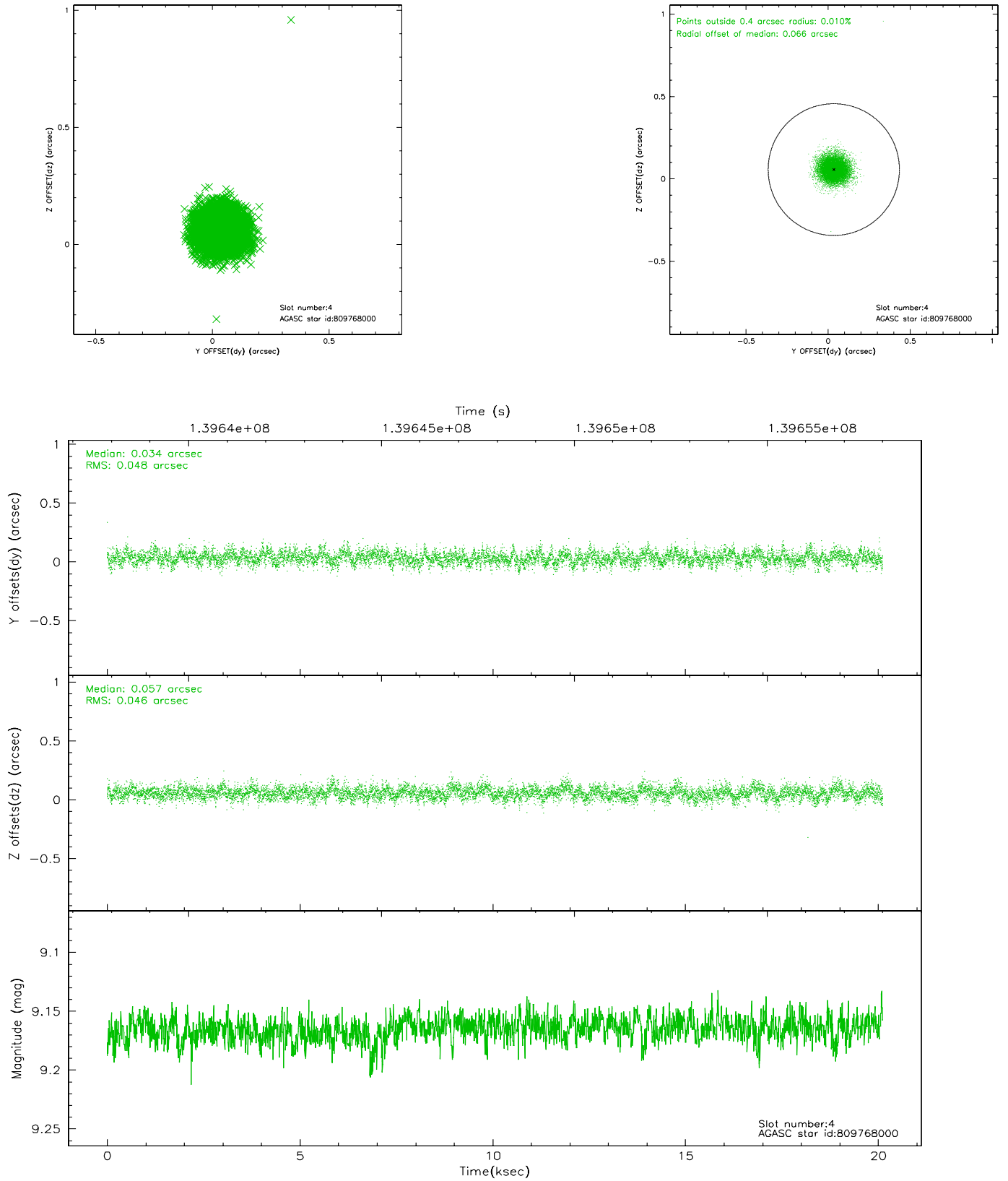


## 2.4 Star Slots

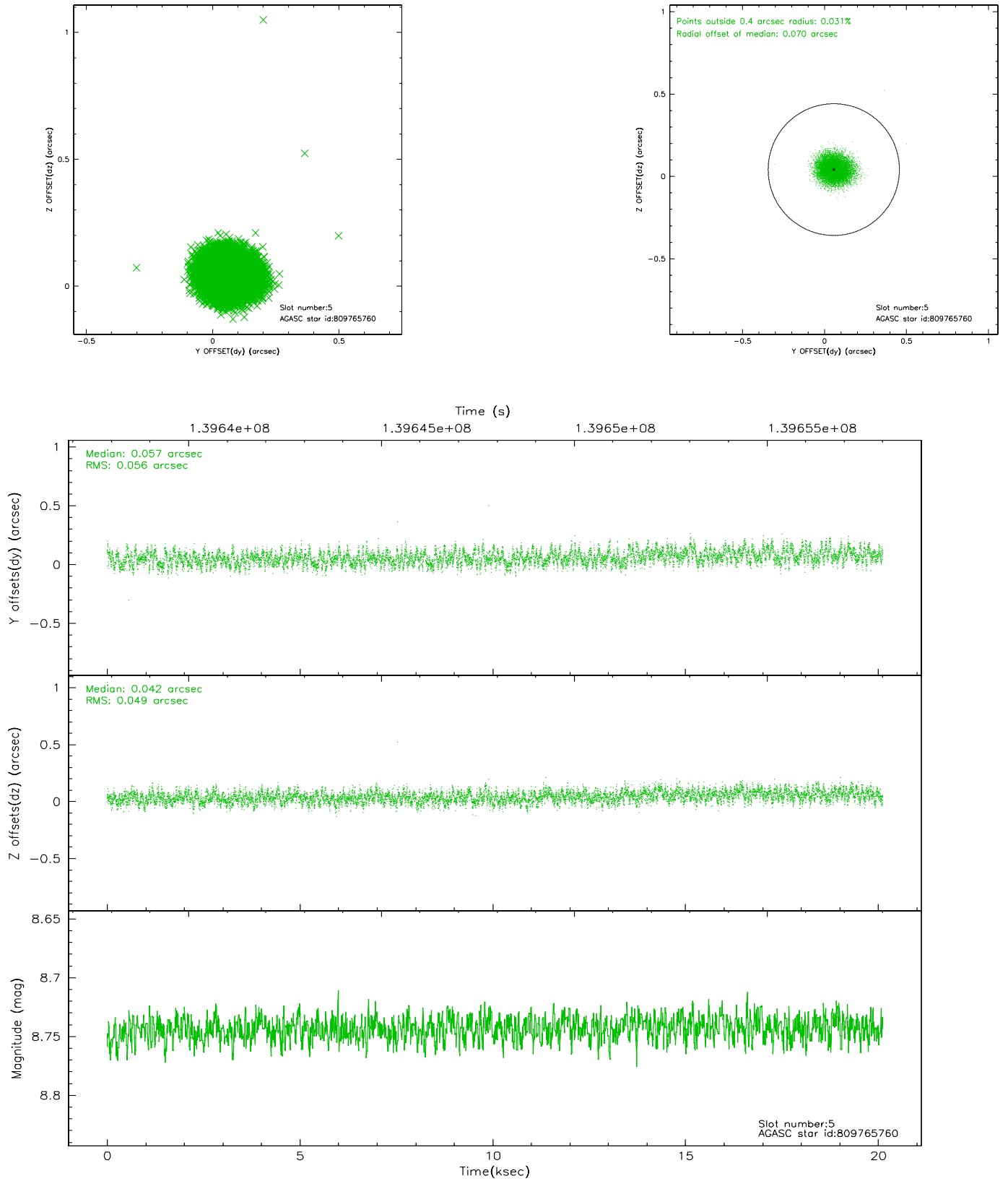
### 2.4.1 Slot 3



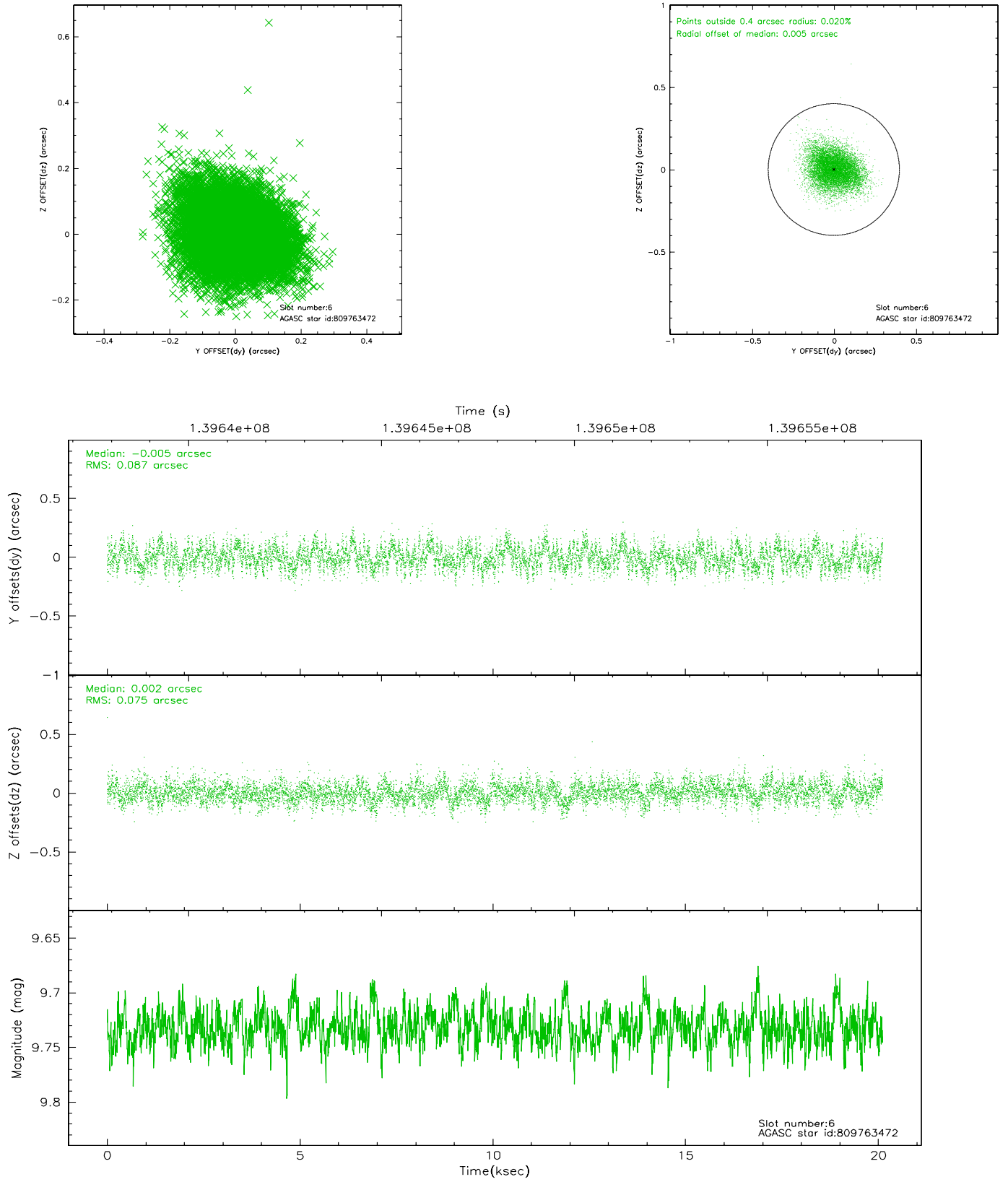
## 2.4.2 Slot 4



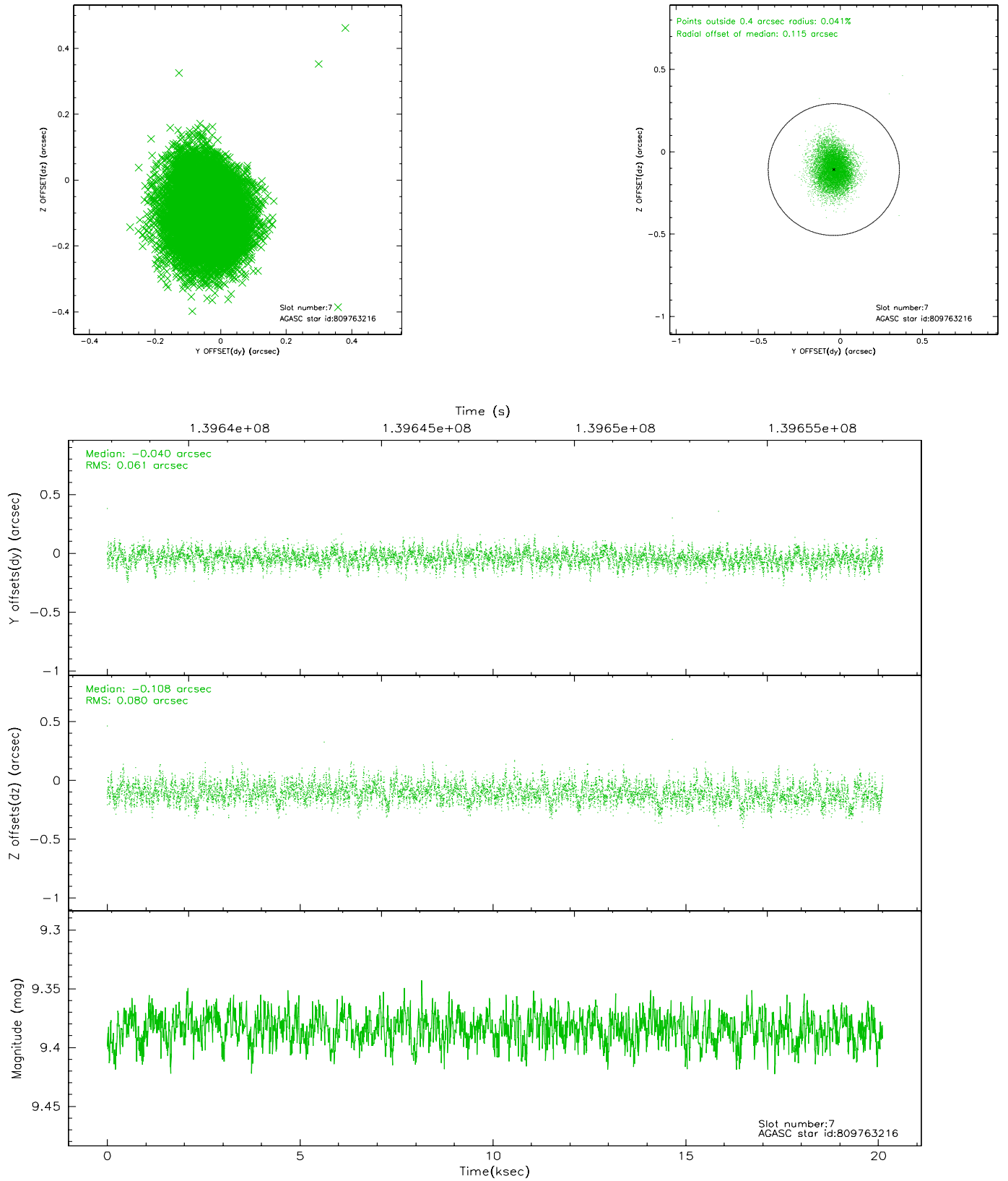
### 2.4.3 Slot 5



## 2.4.4 Slot 6

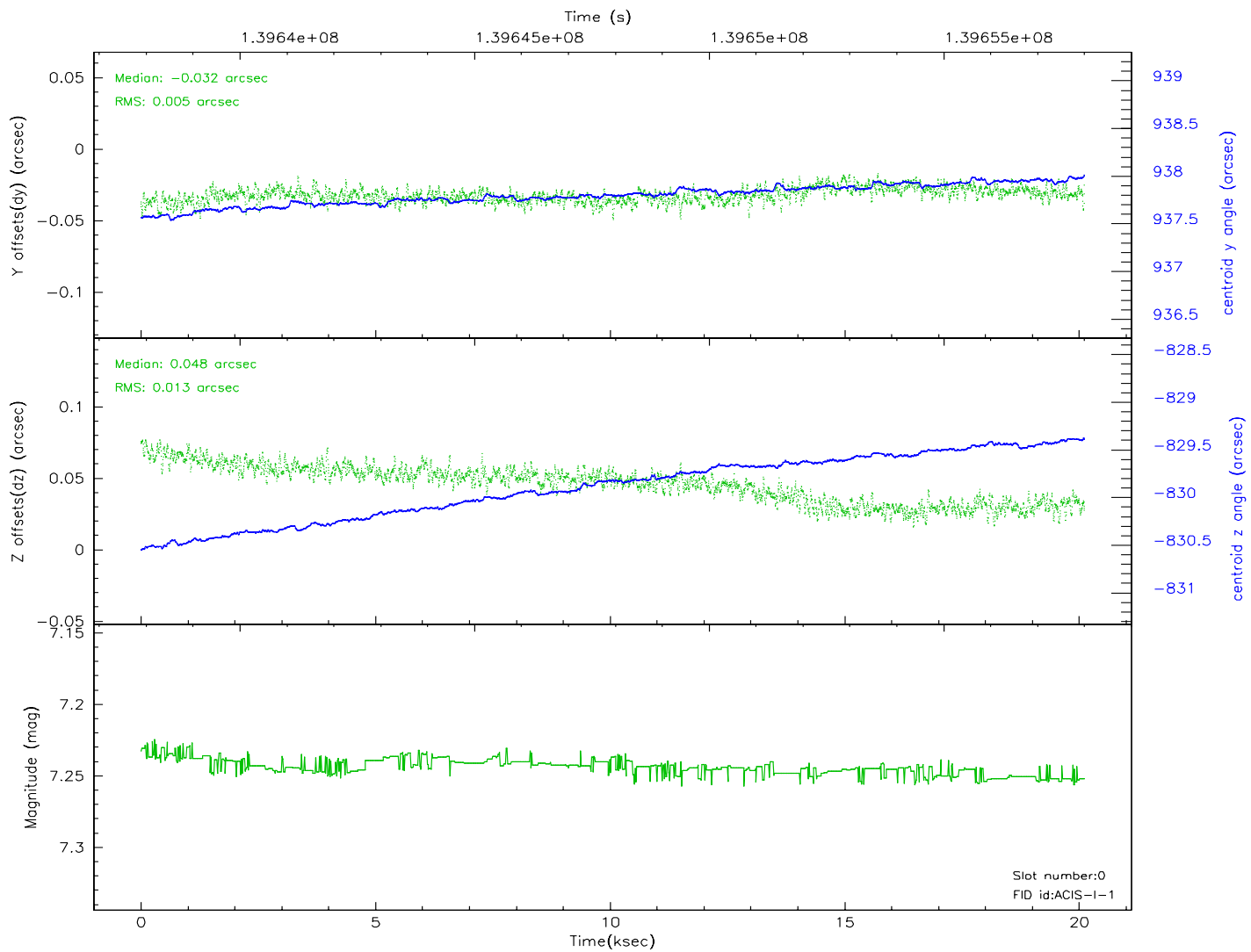
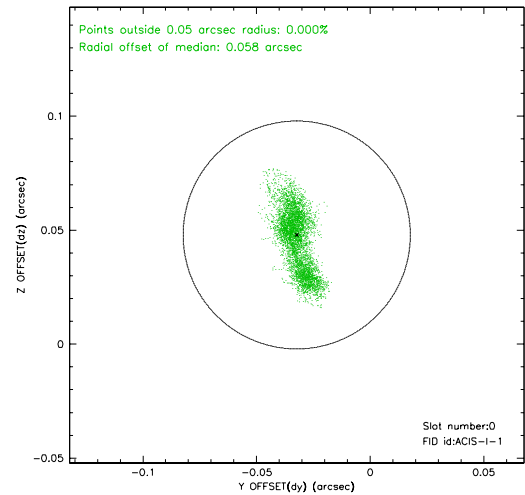
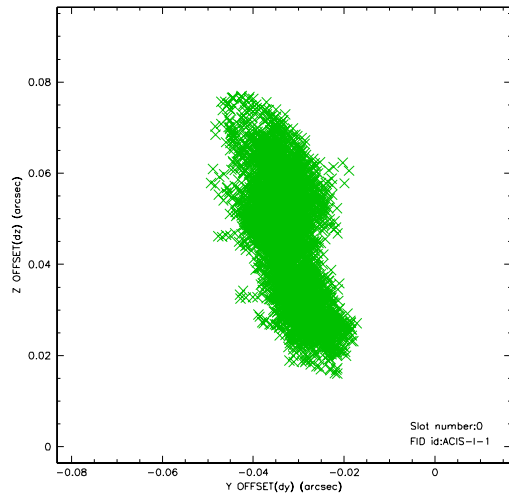


## 2.4.5 Slot 7

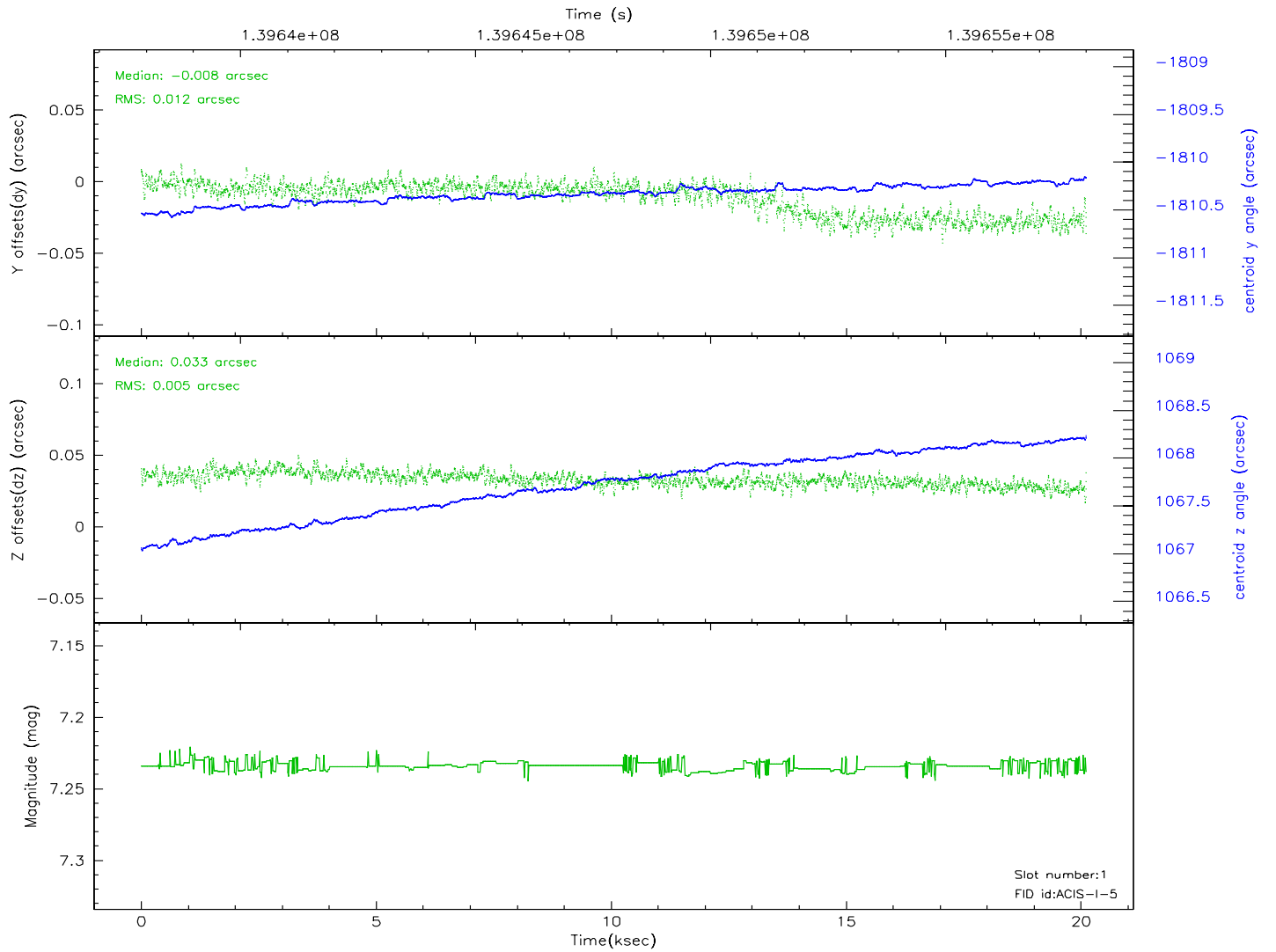
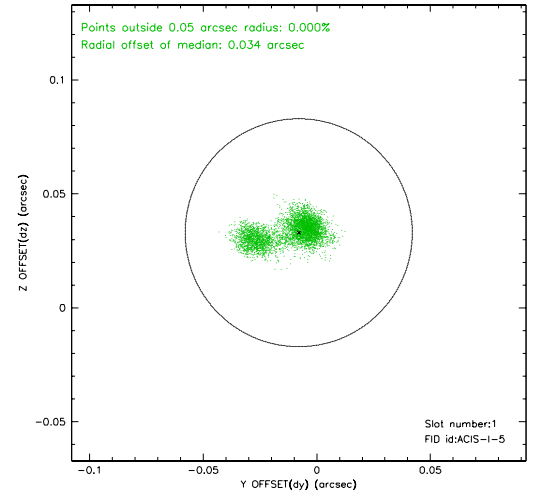
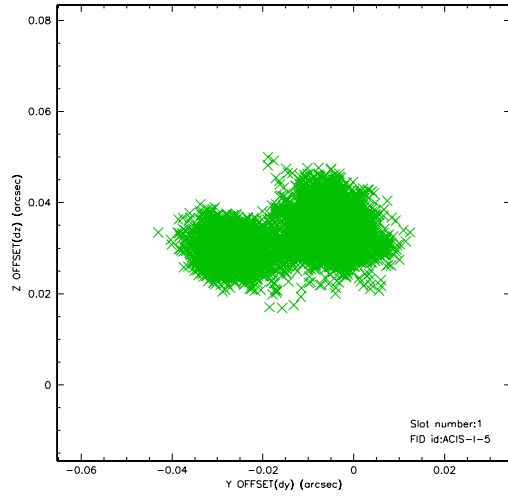


## 2.5 FID Slots

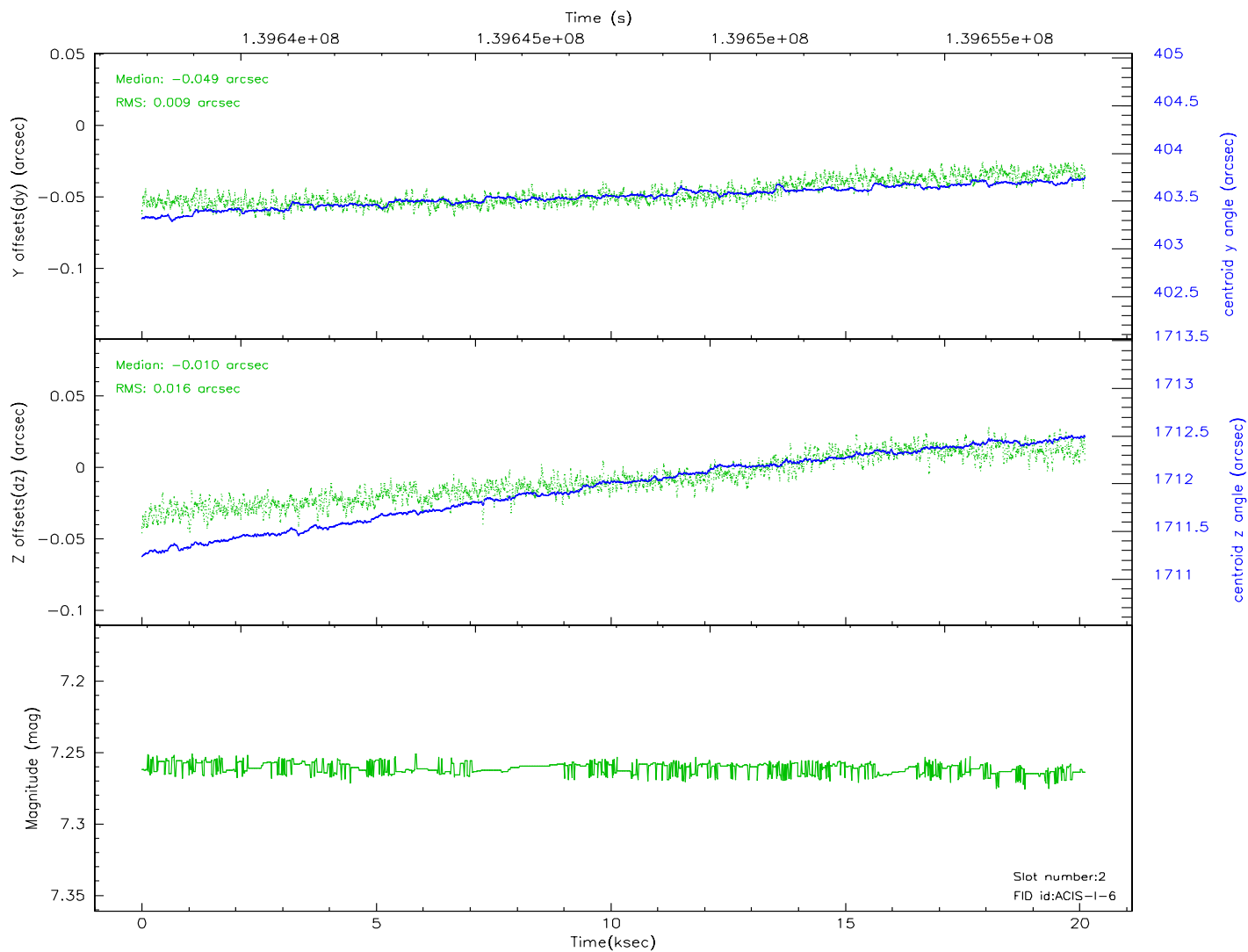
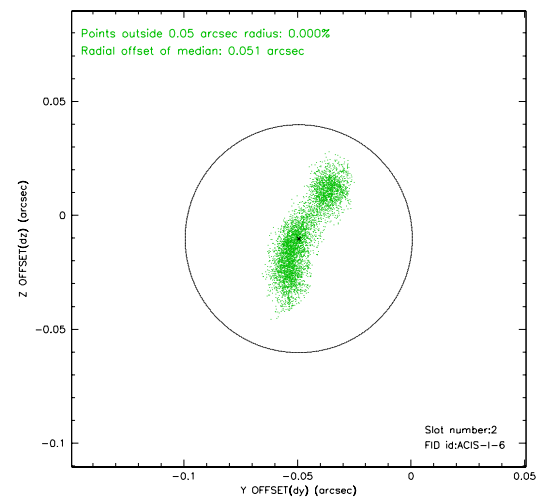
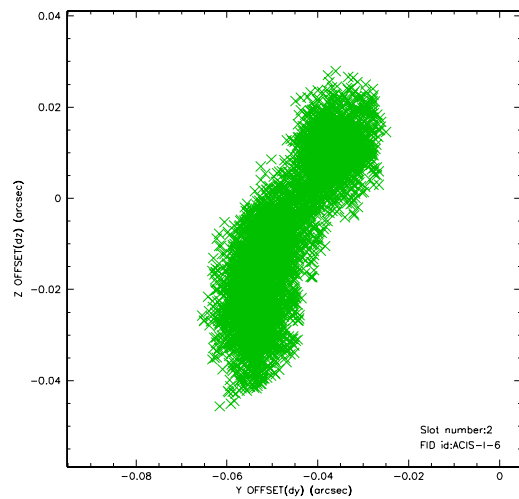
### 2.5.1 Slot 0



## 2.5.2 Slot 1

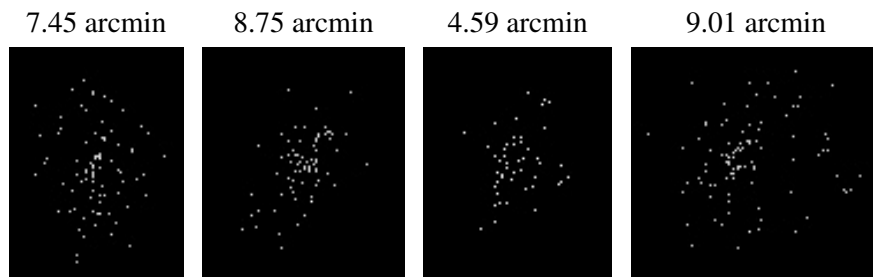


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.078

### A.2 Comments