

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6271 - L2 Version 002  
Chandra X-Ray Center

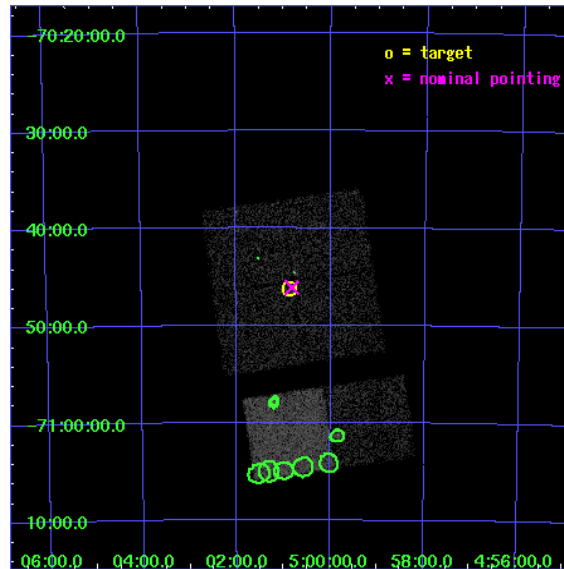
L2 Processing Date : Mar 10 2006

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# 1 Front

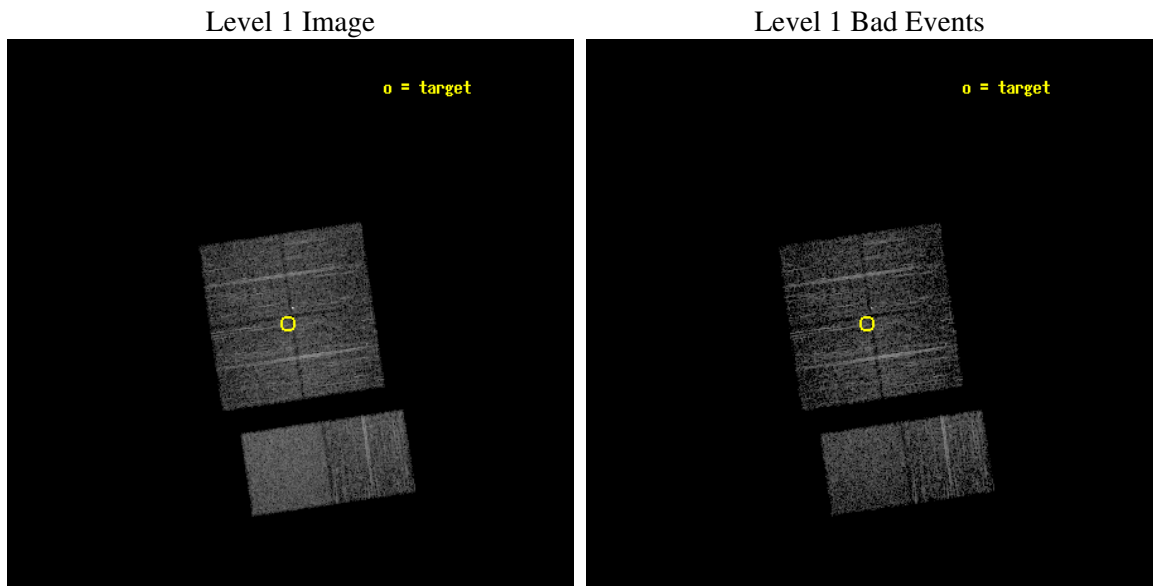
seq_num	701173
obs_id	6271
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey
observer	Prof. Rashid Sunyaev
object	IGR J05007-7047
dtcycle	0
cycle	P
ra_targ	75.217083
dec_targ	-70.771
ra_nom	75.205026519084
dec_nom	-70.768478728885
roll_nom	171.59866058436
revision	2
ontime	3459.1999871135
livetime	3415.3975139965
ontime0	3459.1999871135
ontime1	3459.1999871135
ontime2	3459.1999871135
ontime3	3459.1999871135
ontime6	3459.1999871135
ontime7	3459.1999871135
l2events	28093



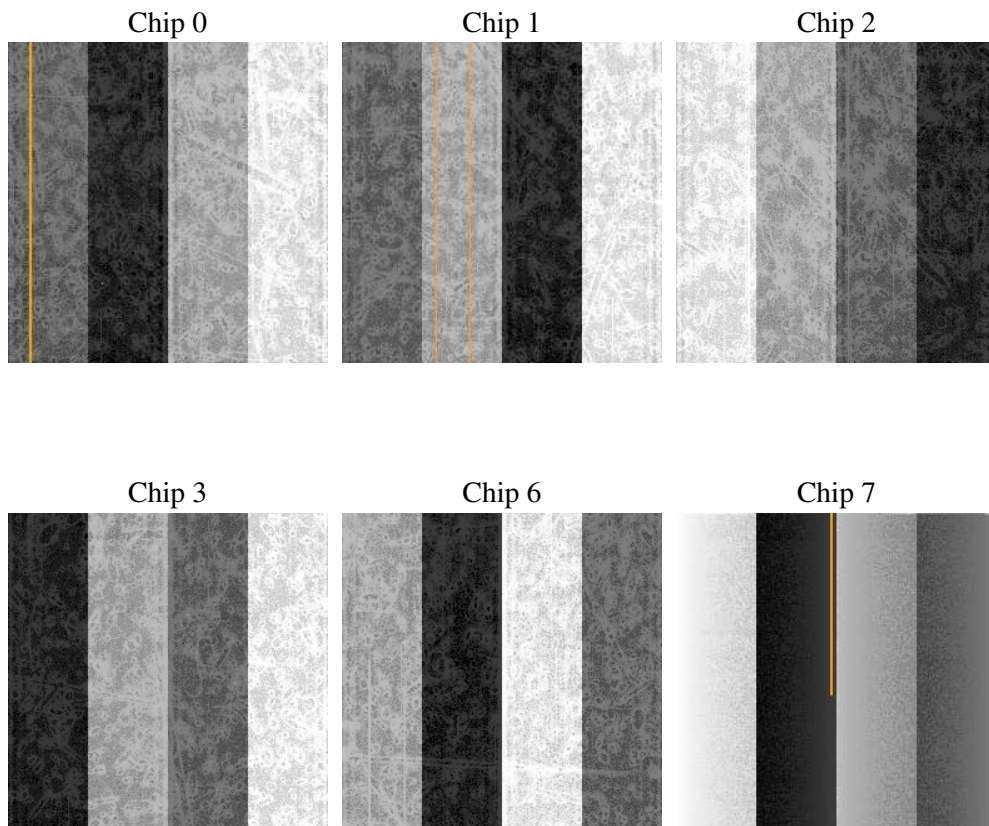
## 2 OBI

### 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	2006-03-10T13:18:58
revision	2

sched_exp_time	3500.000000
ontime	3464.6402182877
ontime0	3464.6402182877
ontime1	3464.6402182877
ontime2	3464.6402182877
ontime3	3464.6402182877
ontime6	3464.6402182877
ontime7	3464.6402182877
l1events	158605

### 2.1.4 Events

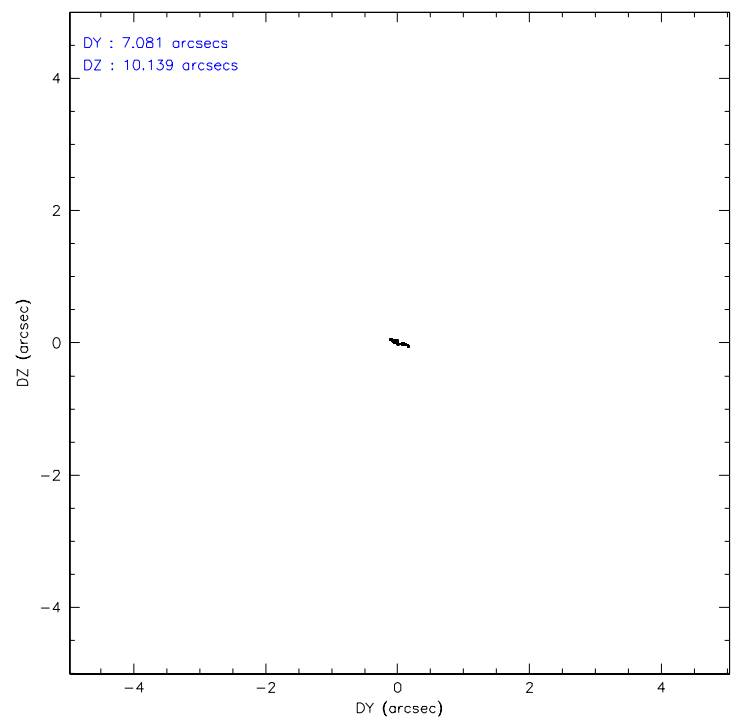
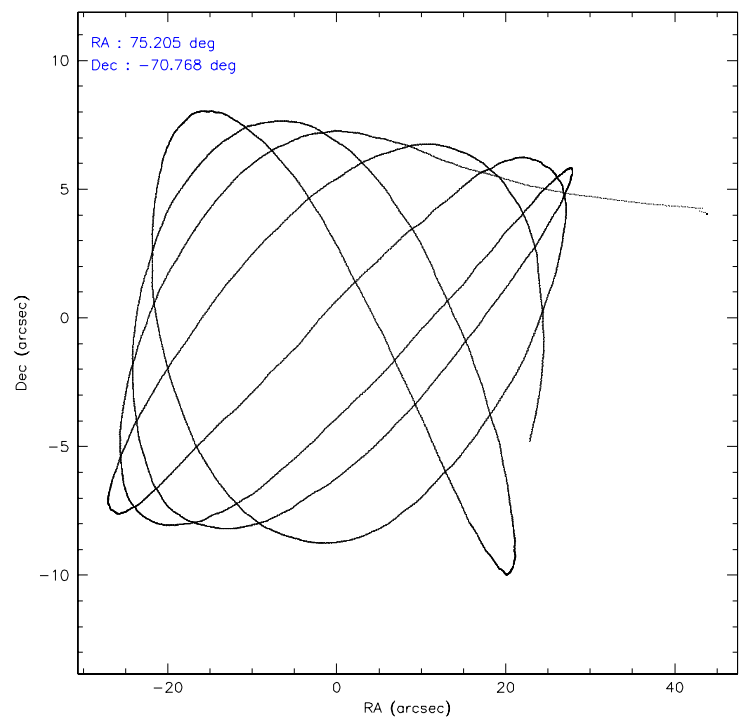
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	23419	22623	25913	24366	27139	35145
rejected events	19293	19174	22749	21249	23748	21676
rejected %	82%	84%	87%	87%	87%	61%

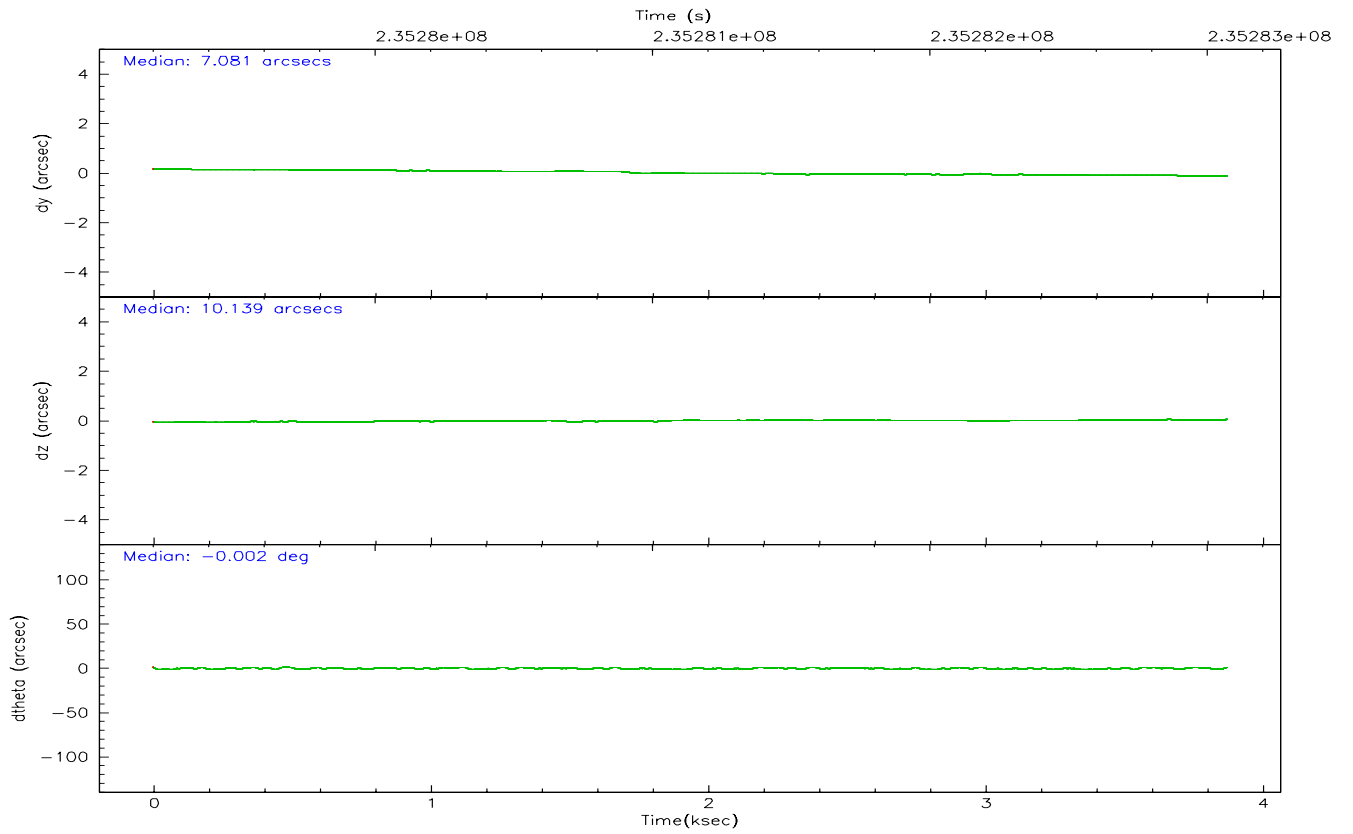
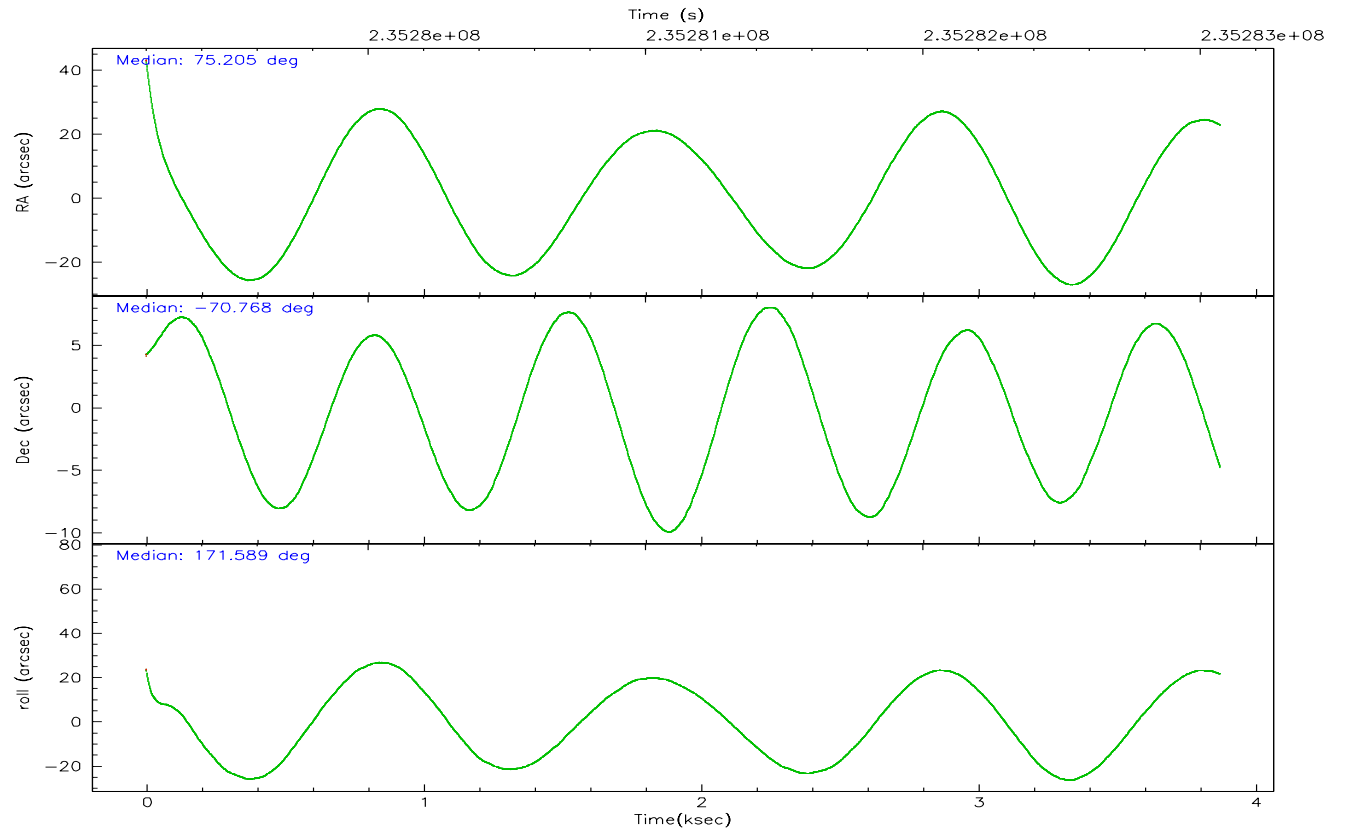
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1939	1353	1449	1386	1371	864
	8%	5%	5%	5%	5%	2%
grade 1 events	80	9	18	16	12	25
	0%	0%	0%	0%	0%	0%
grade 2 events	792	765	682	604	711	3412
	3%	3%	2%	2%	2%	9%
grade 3 events	372	341	259	283	345	679
	1%	1%	0%	1%	1%	1%
grade 4 events	347	326	280	297	307	638
	1%	1%	1%	1%	1%	1%
grade 5 events	1112	1118	1011	1115	1231	2380
	4%	4%	3%	4%	4%	6%
grade 6 events	683	669	501	554	667	7897
	2%	2%	1%	2%	2%	22%
grade 7 events	18094	18042	21713	20111	22495	19250
	77%	79%	83%	82%	82%	54%

## 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
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	75.282193	75.20502651908353	Alternating exposures requested	N	N
Pointing Dec	-70.758395	-70.76847872888509	Primary exposure time	0.000000	3.2
Pointing Roll	171.462899	171.5986605843562			
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	235279569.184000	235278350.83827			
Observation start date	2005-06-16T03:25:05	2005-06-16T03:05:50			
Observation end time	235283069.184000	235283655.21351			
Observation end date	2005-06-16T04:23:25	2005-06-16T04:34:15			
Read mode	TIMED	TIMED			

### 2.3 Aspect





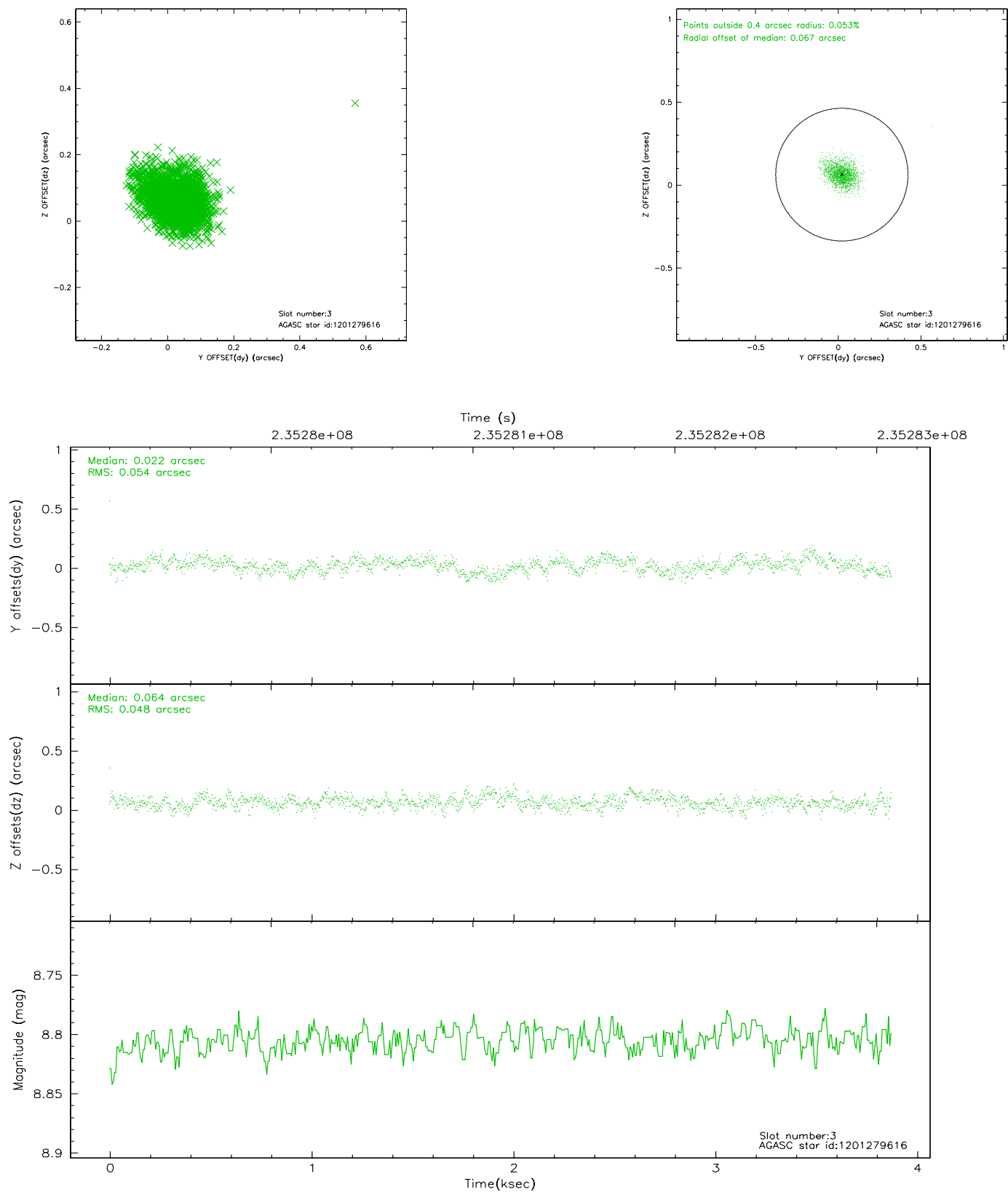
### Slot Statistics

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	946	-0.032	0.042	0.008	0.014	0.000000	0.000000	932.54	-833.58
1	FID	ACIS-I-4	7.18	946	0.090	0.010	0.010	0.014	0.000000	0.000000	2153.62	1065.38
2	FID	ACIS-I-5	7.23	945	-0.156	0.019	0.008	0.013	0.000000	0.000000	-1813.49	1065.11
3	GUIDE	1201279616	8.80	1890	0.022	0.064	0.076	0.126	74.529880	-70.149234	1234.61	-2025.65
4	GUIDE	1201281096	7.86	1891	0.048	0.045	0.058	0.093	75.164495	-70.623988	211.70	-458.03
5	GUIDE	1201282768	7.08	1891	-0.043	-0.100	0.058	0.093	74.211597	-70.925091	1154.76	791.90
6	GUIDE	1201811400	7.13	1891	0.049	-0.036	0.057	0.089	76.777517	-71.269936	-1985.37	1586.69
7	GUIDE	1201280912	9.18	1888	-0.073	0.028	0.074	0.120	75.042660	-70.451060	448.56	-1049.25

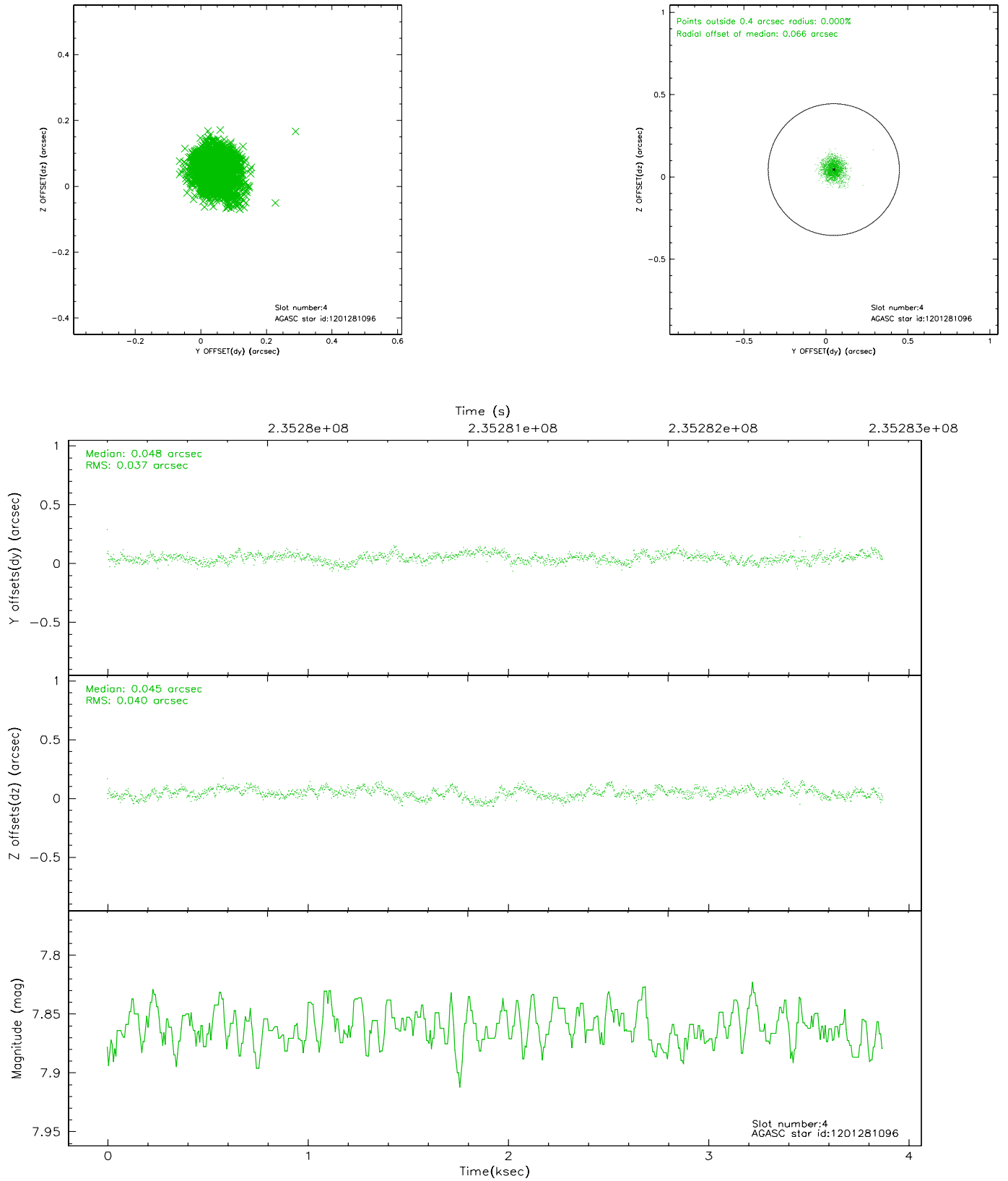


## 2.4 Star Slots

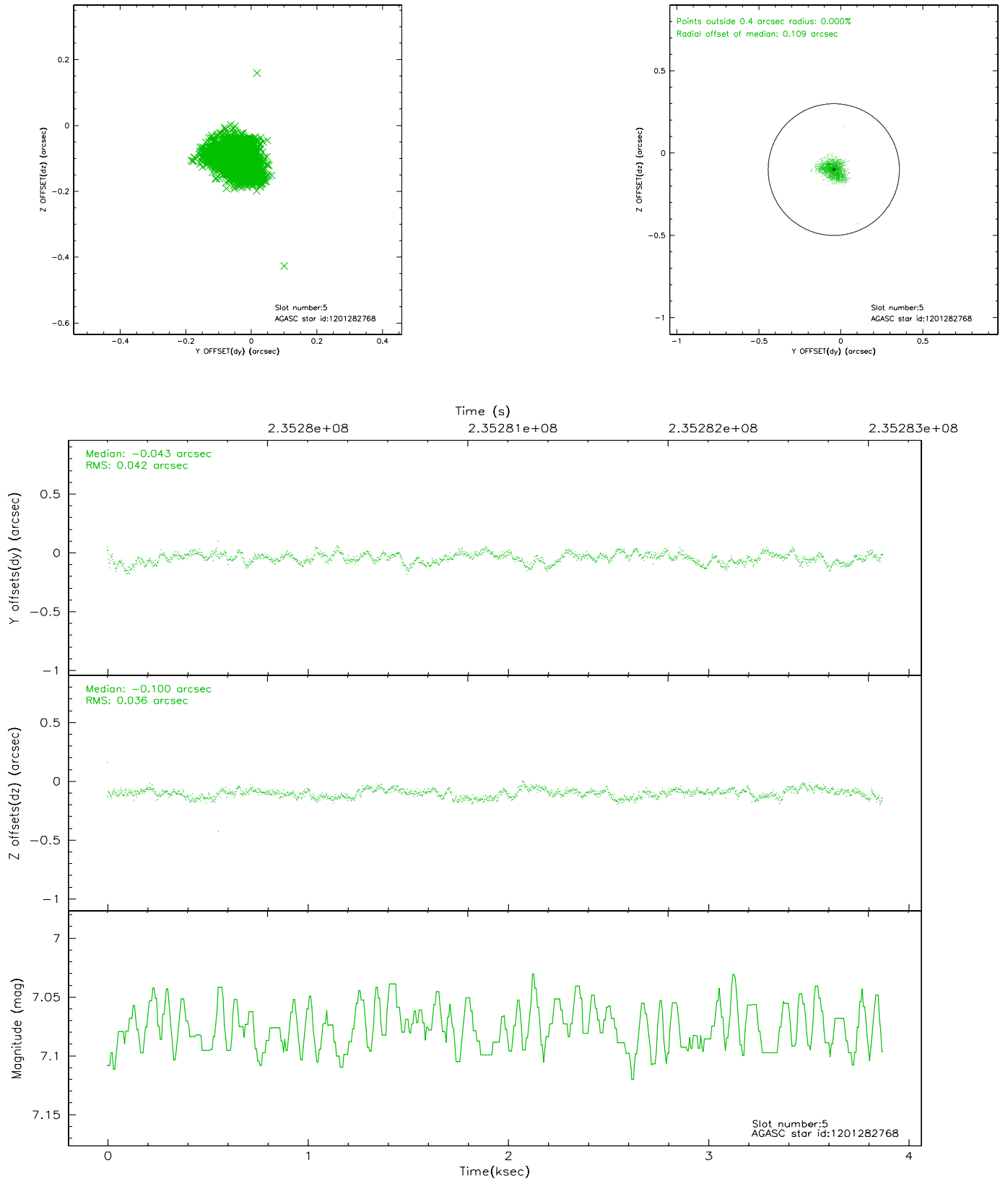
### 2.4.1 Slot 3



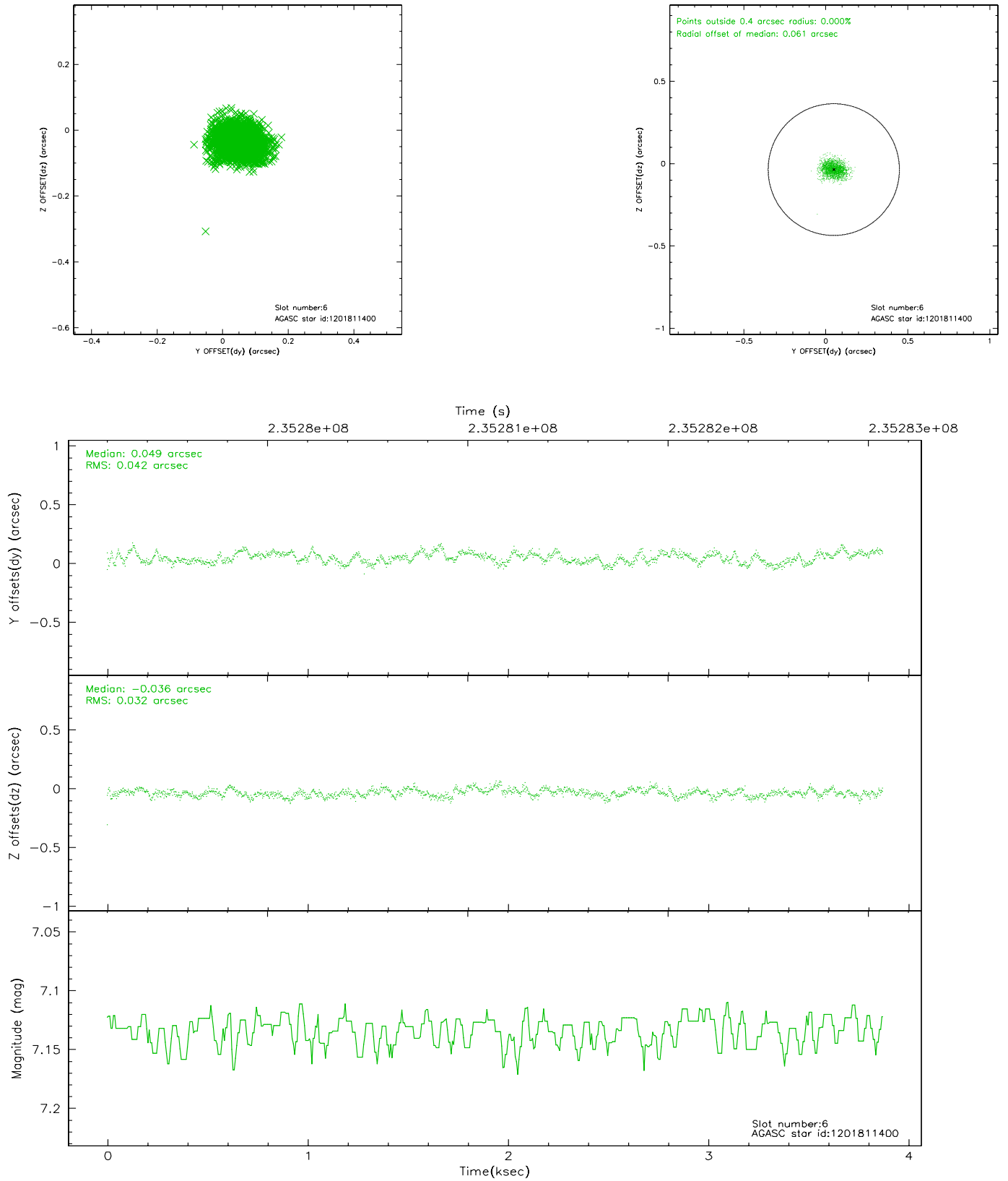
## 2.4.2 Slot 4



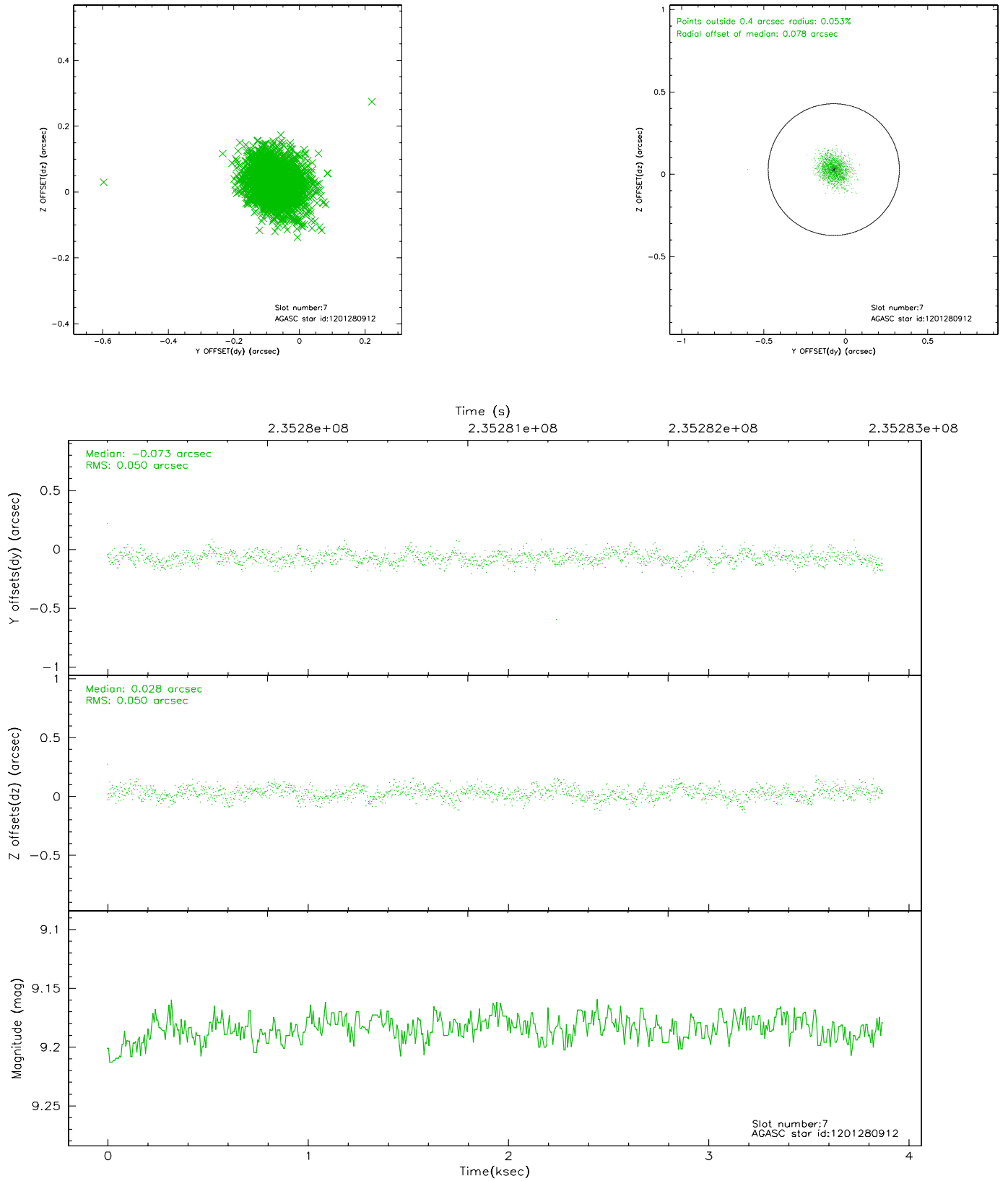
### 2.4.3 Slot 5



## 2.4.4 Slot 6

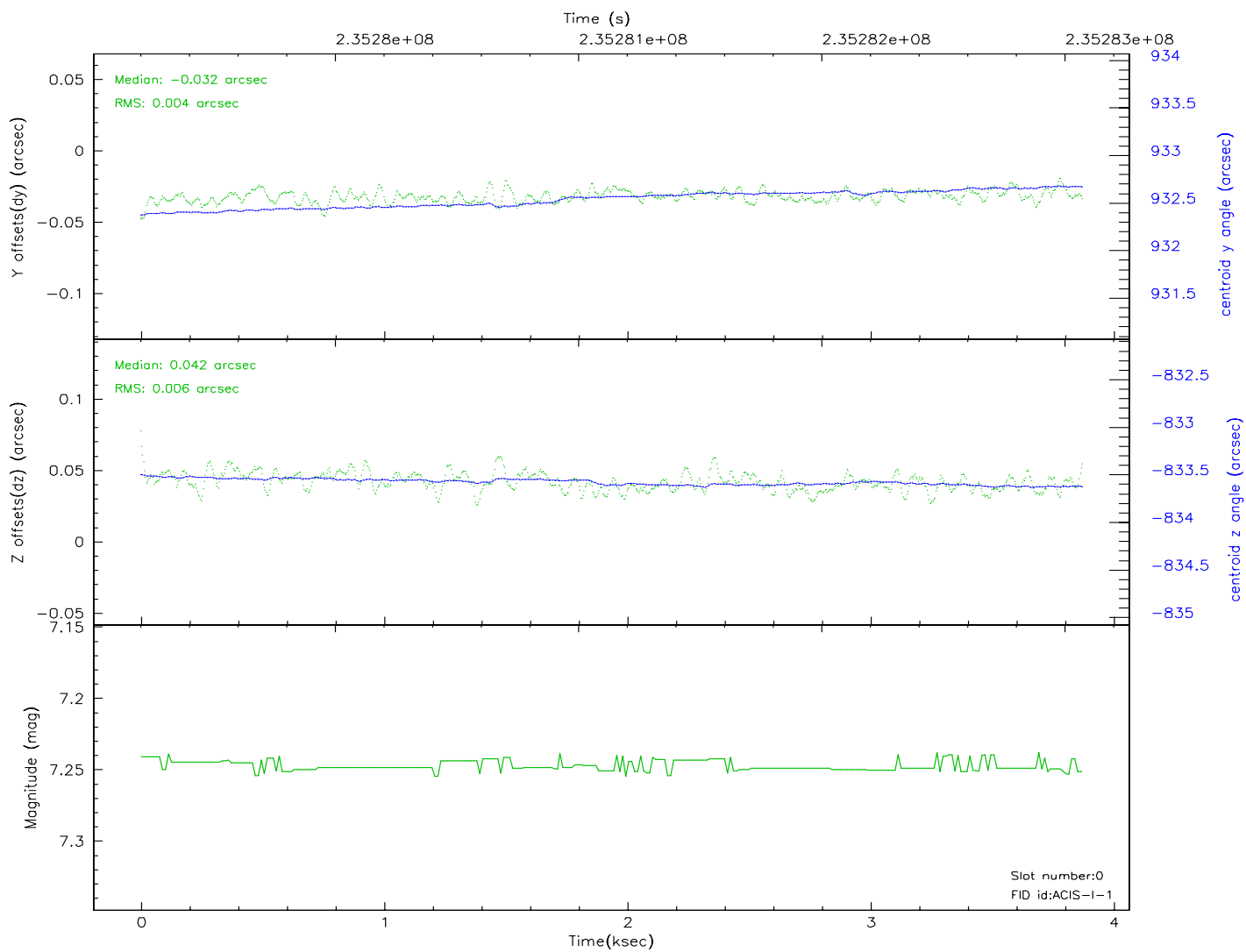
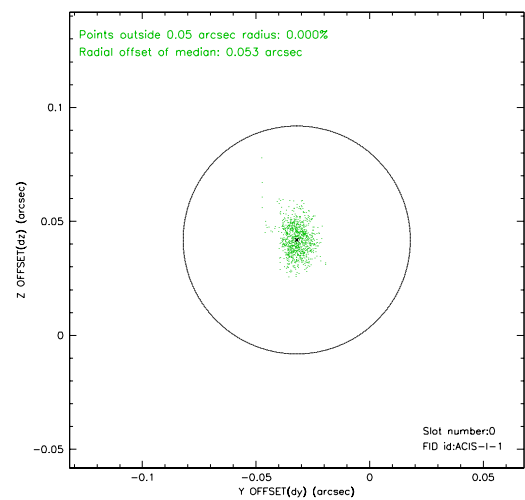
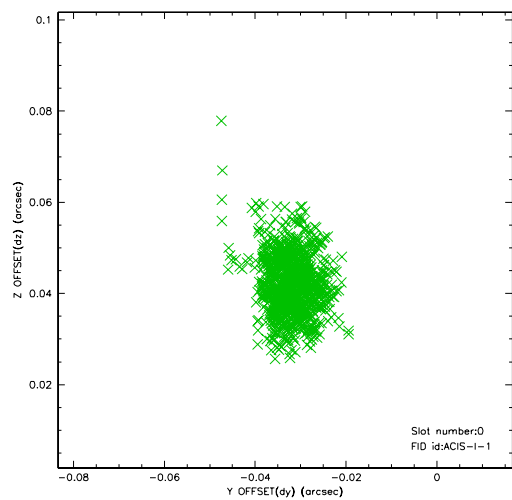


## 2.4.5 Slot 7

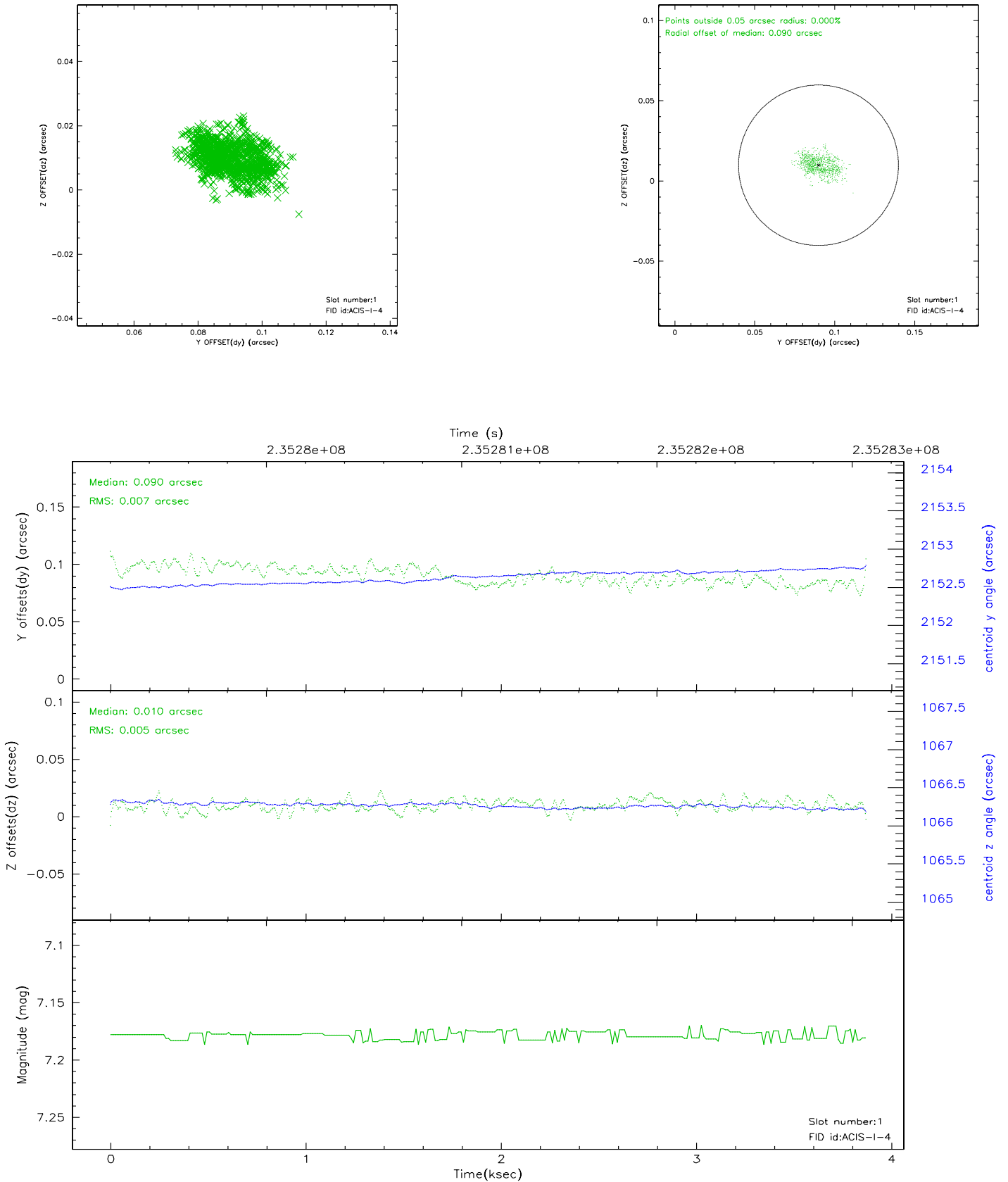


## 2.5 FID Slots

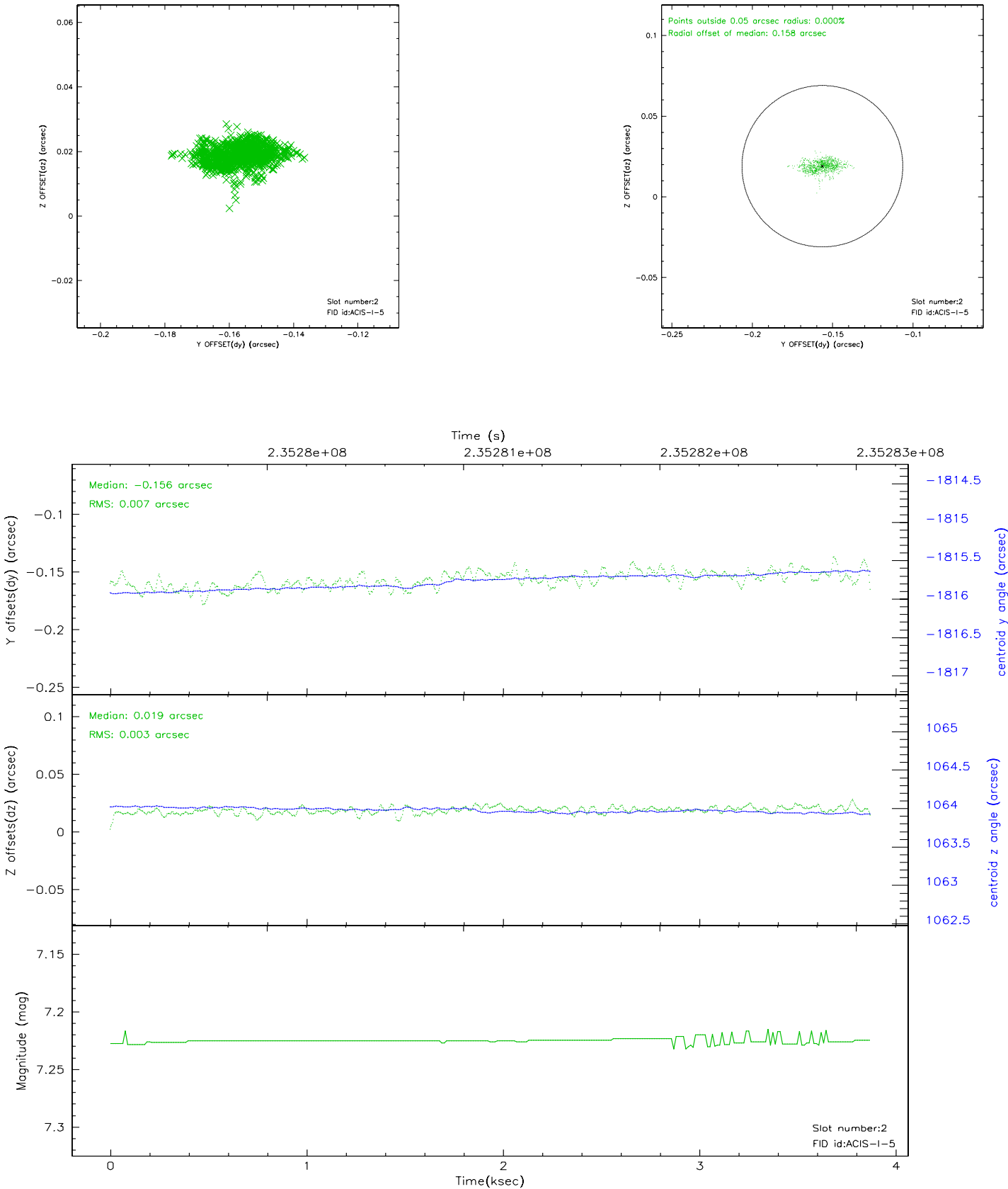
### 2.5.1 Slot 0



## 2.5.2 Slot 1

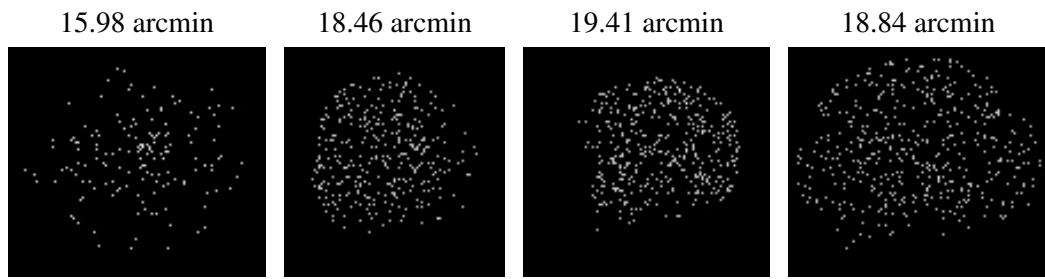


2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.459199

### A.2 Comments