

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4499 - L2 Version 001  
Chandra X-Ray Center

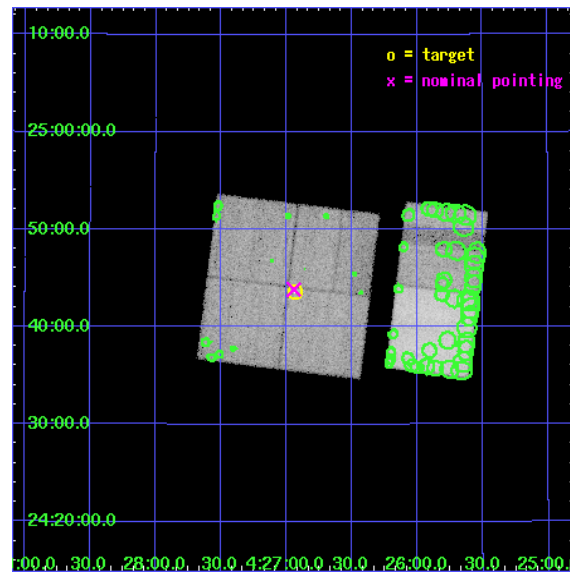
L2 Processing Date : Apr 28 2006

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# 1 Front

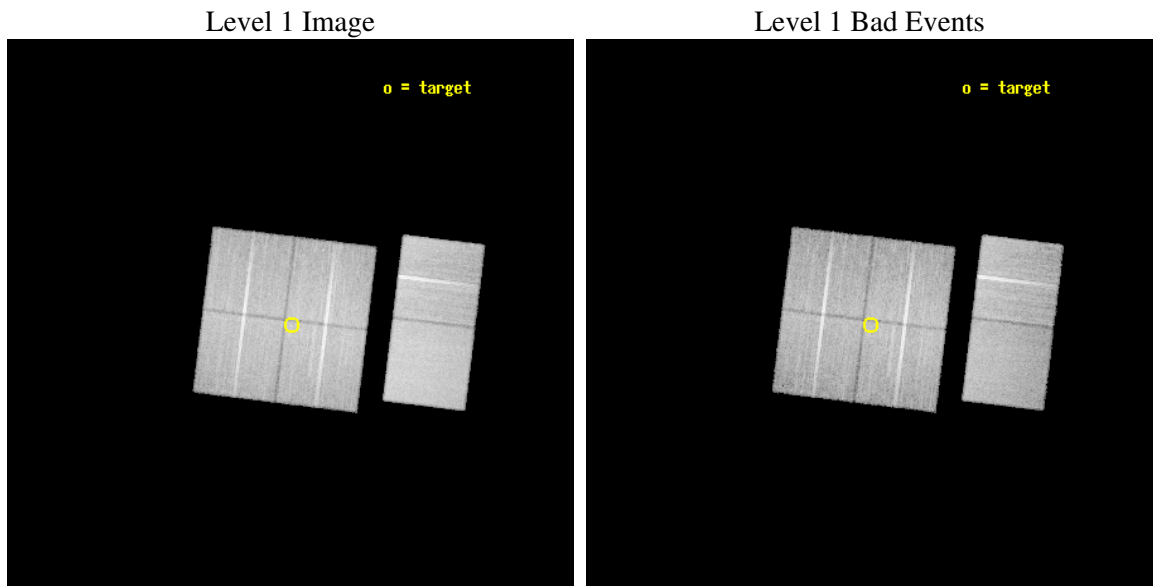
seq_num	200268
obs_id	4499
title	Exploring X-rays in protostellar jets
observer	Dr. Bo Reipurth
object	HH 300
dtcycle	0
cycle	P
ra_targ	66.734583
dec_targ	24.726389
ra_nom	66.735993629348
dec_nom	24.730838736573
roll_nom	96.996170121767
revision	2
ontime	24931.199907124
livetime	24615.506042134
ontime0	24931.199907124
ontime1	24931.199907124
ontime2	24931.199907124
ontime3	24931.199907124
ontime6	24931.199907124
ontime7	24931.199907124
l2events	267519



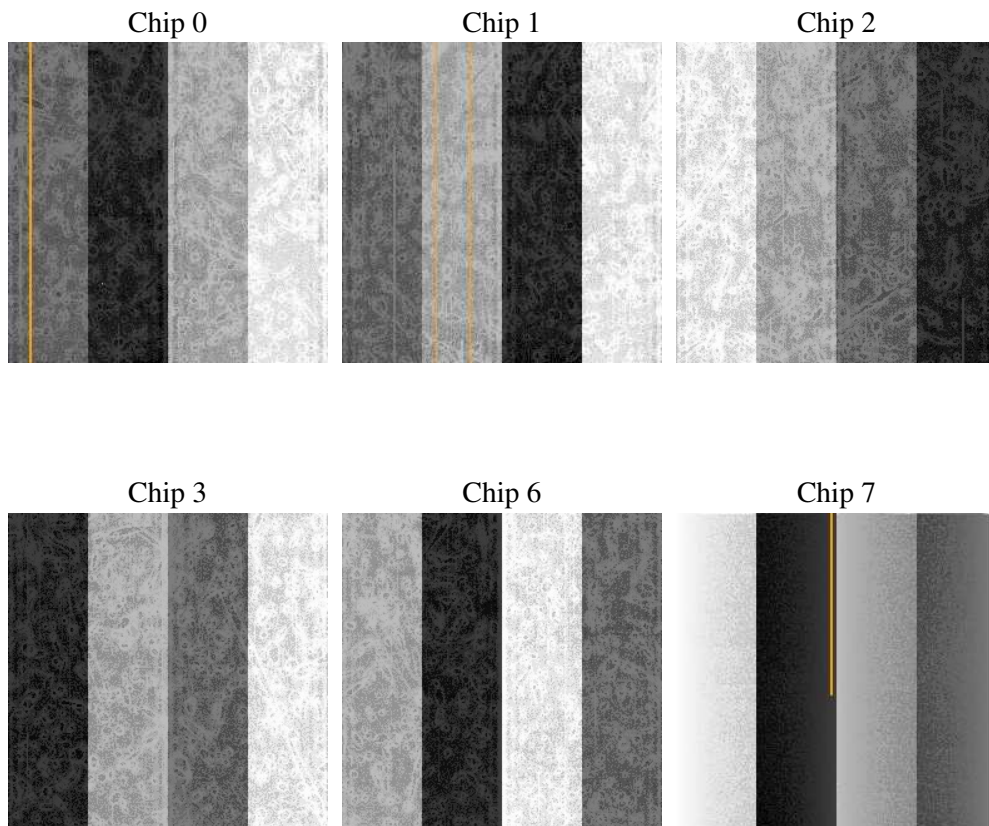
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-04-28T06:33:52
revision	2

sched_exp_time	24806.000000
ontime	25043.213042945
ontime0	25043.213072866
ontime1	25043.213072866
ontime2	25043.213072866
ontime3	25043.213042945
ontime6	25043.213042945
ontime7	25043.213072866
l1events	1205578

### 2.1.4 Events

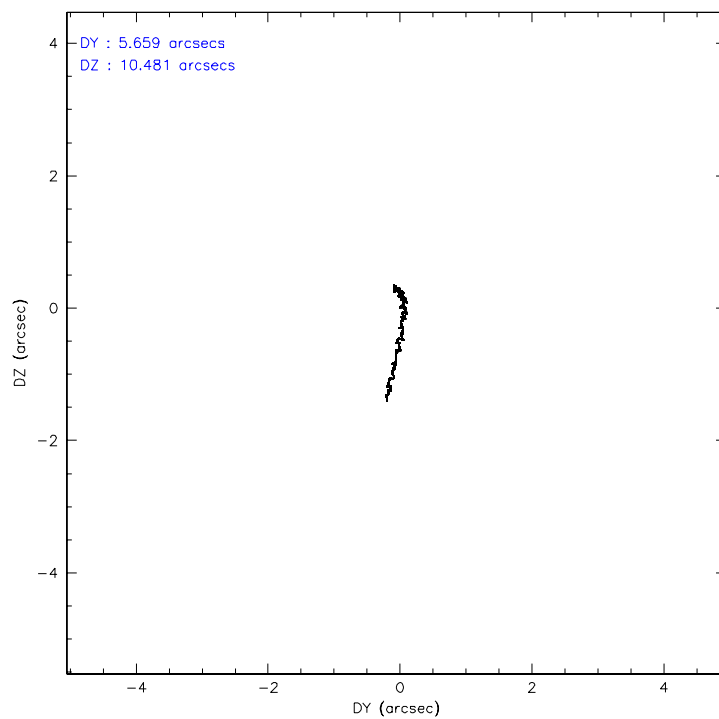
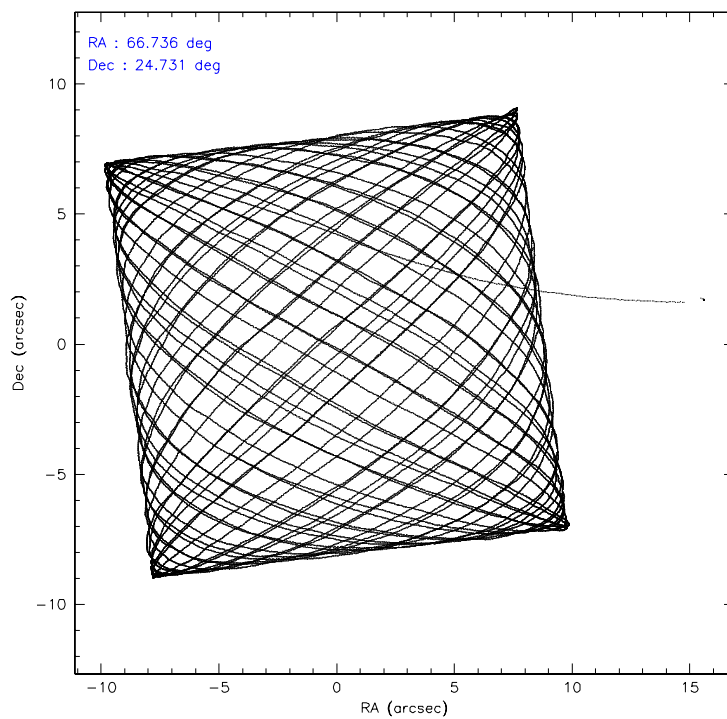
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	179308	184550	199101	198613	204898	239108
rejected events	140320	143824	159555	159316	165016	142450
rejected %	78%	77%	80%	80%	80%	59%

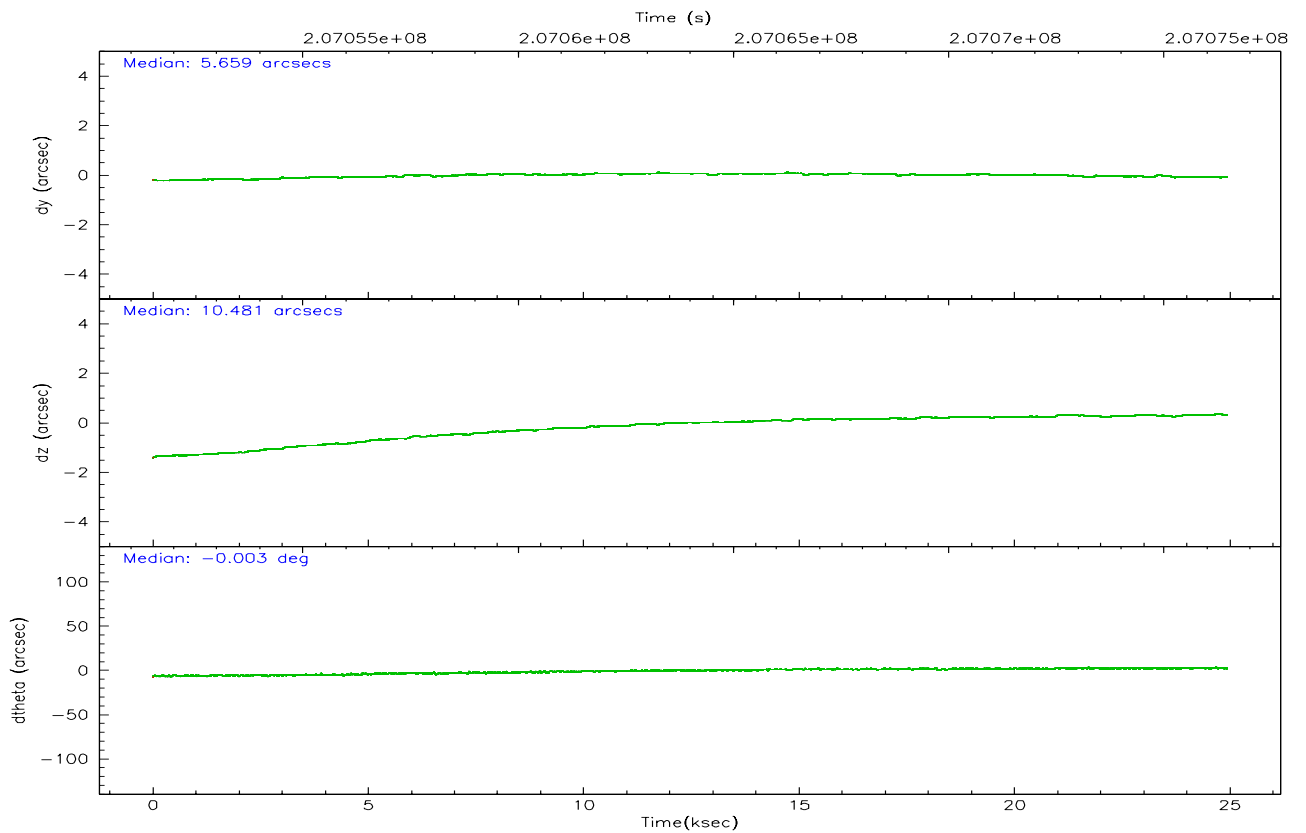
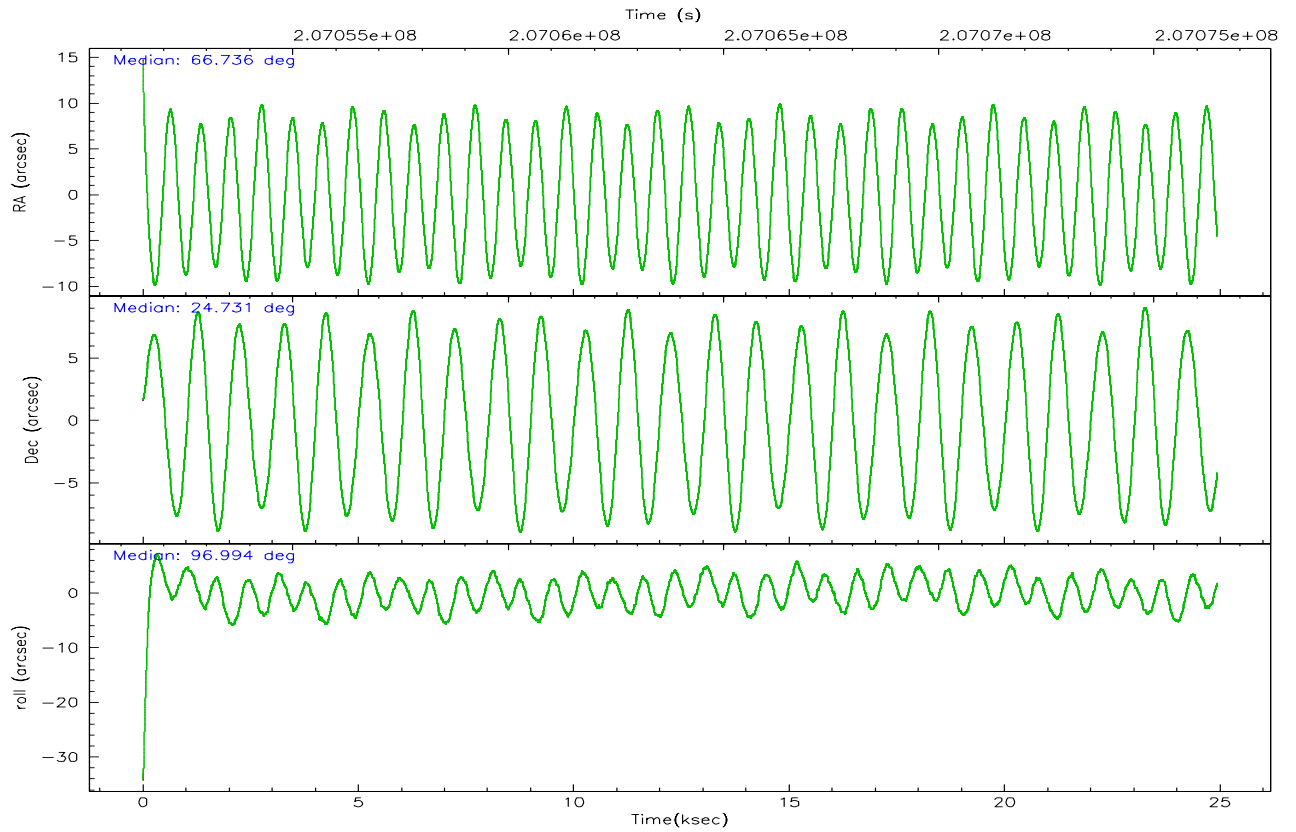
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	16332	14815	18219	15965	16300	6004
	9%	8%	9%	8%	7%	2%
grade 1 events	115	85	144	132	118	196
	0%	0%	0%	0%	0%	0%
grade 2 events	10741	13097	9389	11404	11812	24127
	5%	7%	4%	5%	5%	10%
grade 3 events	2167	2422	2046	2179	2131	5136
	1%	1%	1%	1%	1%	2%
grade 4 events	2257	2349	2757	2336	2292	5184
	1%	1%	1%	1%	1%	2%
grade 5 events	6530	6872	6545	7480	7629	15354
	3%	3%	3%	3%	3%	6%
grade 6 events	7645	8223	7298	7583	7504	56679
	4%	4%	3%	3%	3%	23%
grade 7 events	133521	136687	152703	151534	157112	126428
	74%	74%	76%	76%	76%	52%

## 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	66.754221	66.73599362934775	Alternating exposures requested	N	N
Pointing Dec	24.709038	24.73083873657265	Primary exposure time	0.000000	3.2
Pointing Roll	96.779866	96.99617012176711			
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	207051653.184000	207050557.32874			
Observation start date	2004-07-24T10:19:49	2004-07-24T10:02:37			
Observation end time	207076459.184000	207077480.49243			
Observation end date	2004-07-24T17:13:15	2004-07-24T17:31:20			
Read mode	TIMED	TIMED			

## 2.3 Aspect





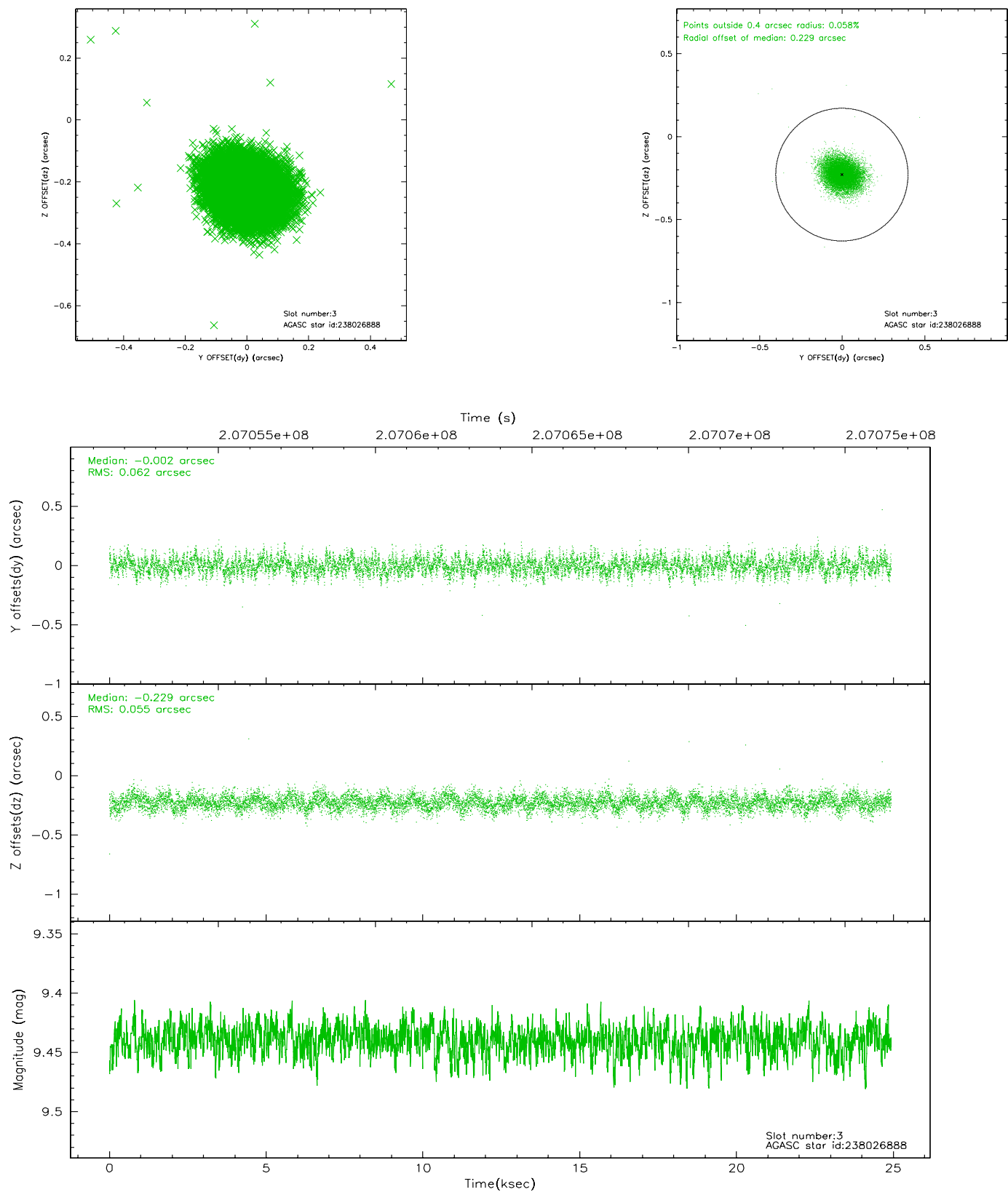
### Slot Statistics

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	6082	0.022	0.008	0.011	0.028	0.000000	0.000000	934.11	-833.72
1	FID	ACIS-I-5	7.23	6081	-0.082	0.067	0.018	0.044	0.000000	0.000000	-1814.05	1063.72
2	FID	ACIS-I-6	7.24	6082	-0.033	-0.003	0.017	0.061	0.000000	0.000000	399.43	1708.32
3	GUIDE	238026888	9.44	12158	-0.002	-0.229	0.088	0.142	66.193938	24.362072	-1019.76	1971.48
4	GUIDE	238551608	9.02	12157	-0.039	0.076	0.075	0.123	66.891877	25.061588	1207.50	-595.21
5	GUIDE	238554208	8.81	12163	-0.231	-0.149	0.071	0.114	66.177176	25.161922	1844.78	1674.16
6	GUIDE	239731088	7.48	12159	0.091	0.188	0.048	0.076	67.084109	24.117817	-2239.94	-824.96
7	GUIDE	239731296	8.82	12160	0.183	0.112	0.072	0.116	67.110301	24.149622	-2136.39	-923.80

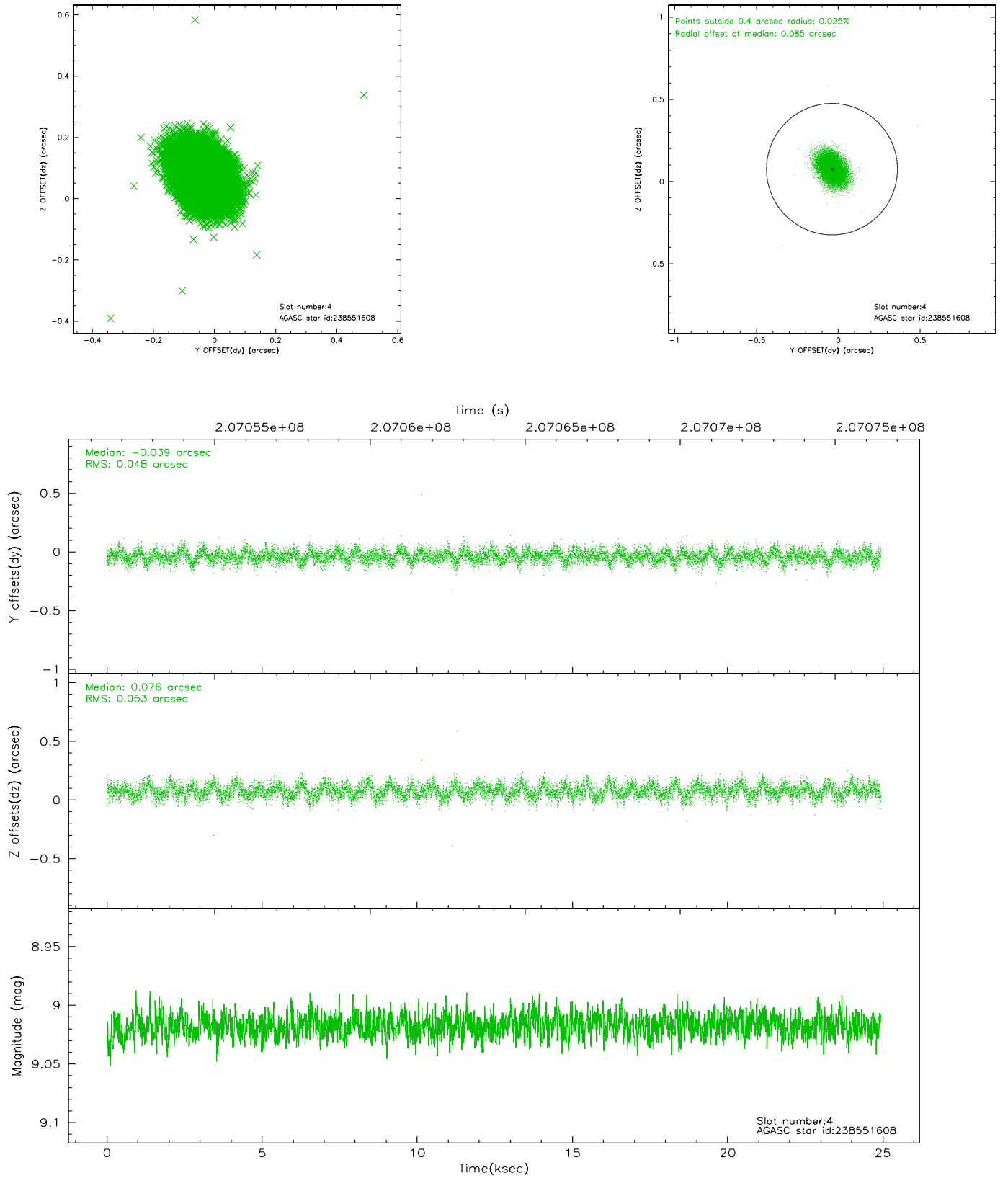


## 2.4 Star Slots

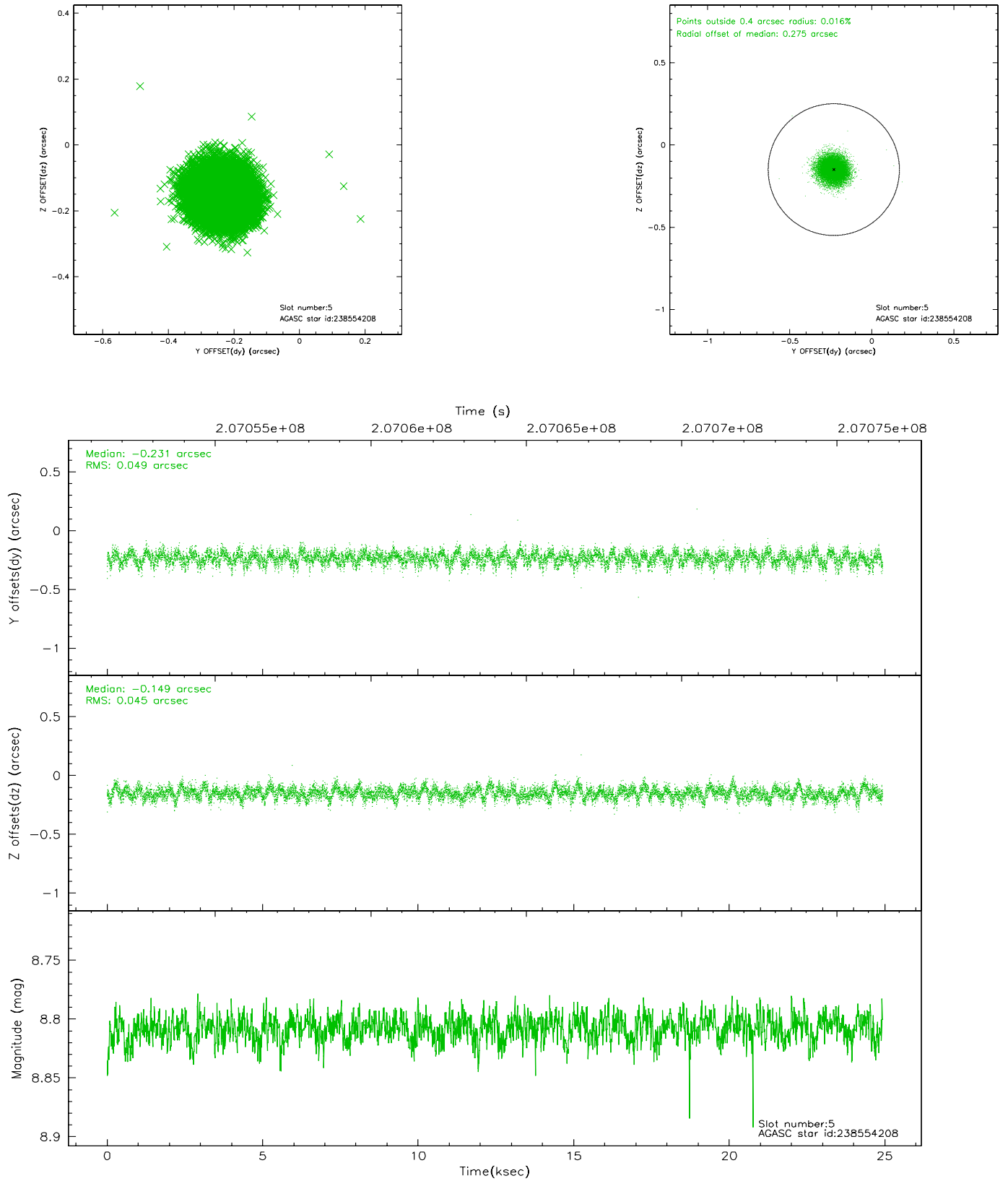
### 2.4.1 Slot 3



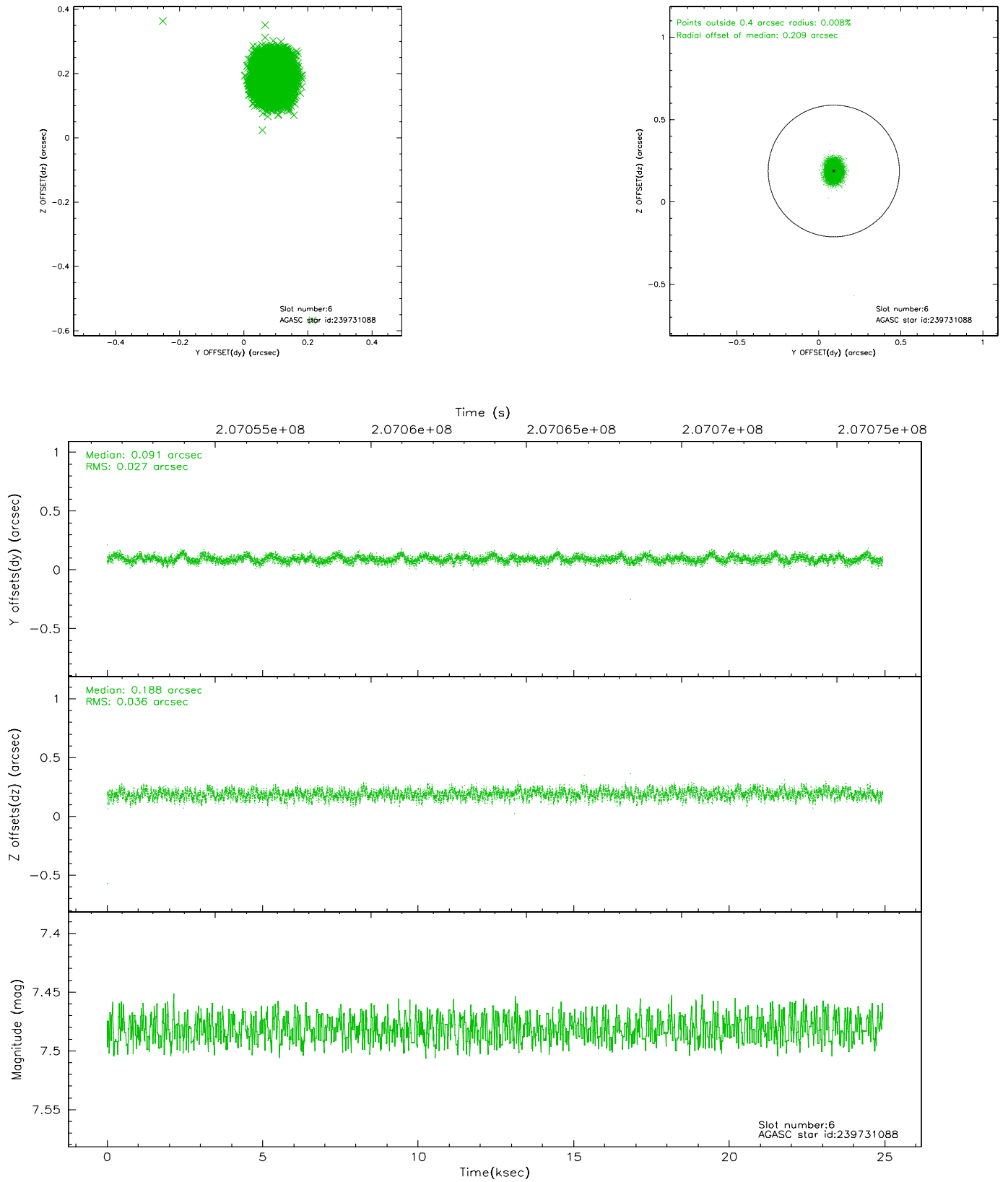
## 2.4.2 Slot 4



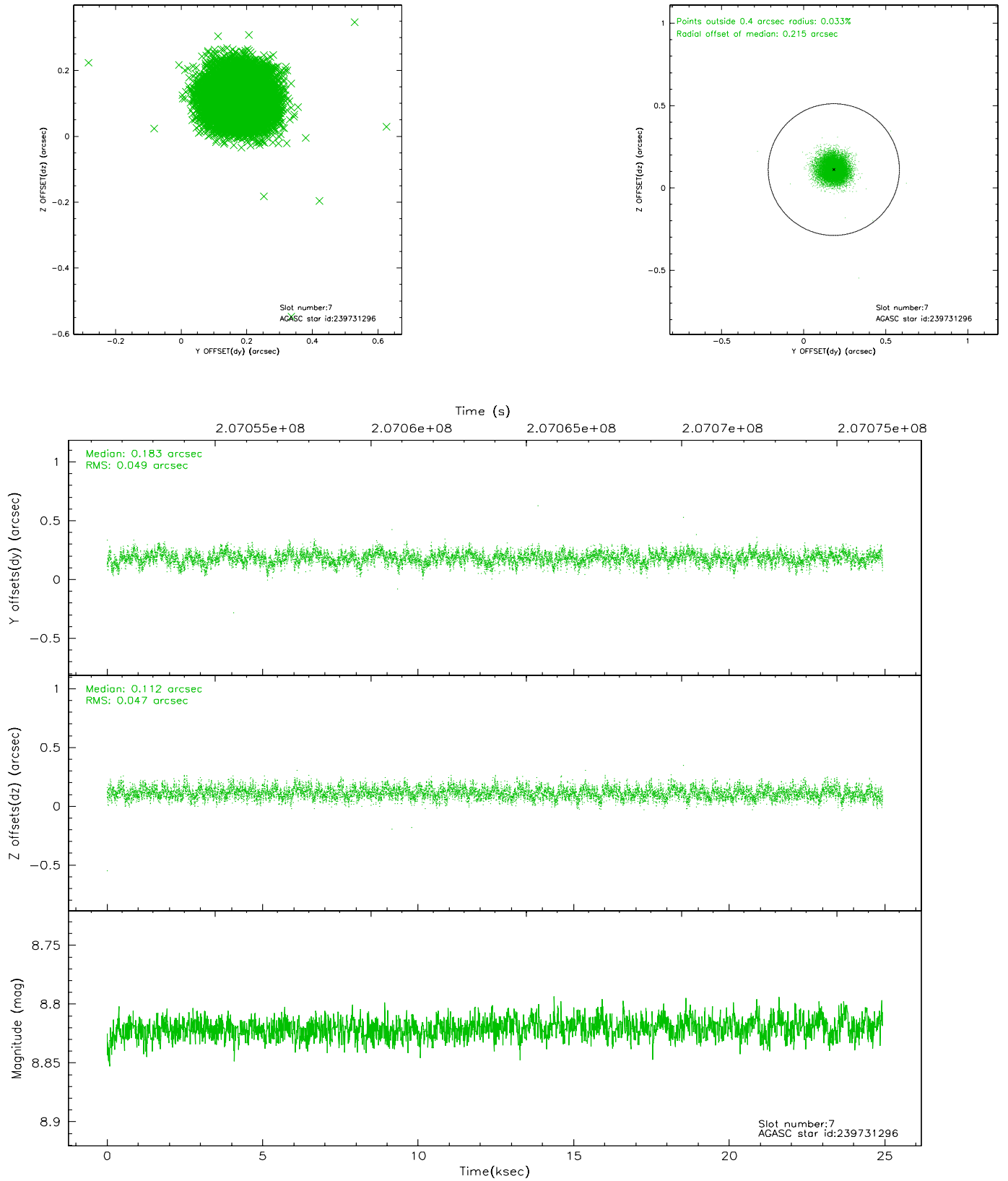
### 2.4.3 Slot 5



## 2.4.4 Slot 6

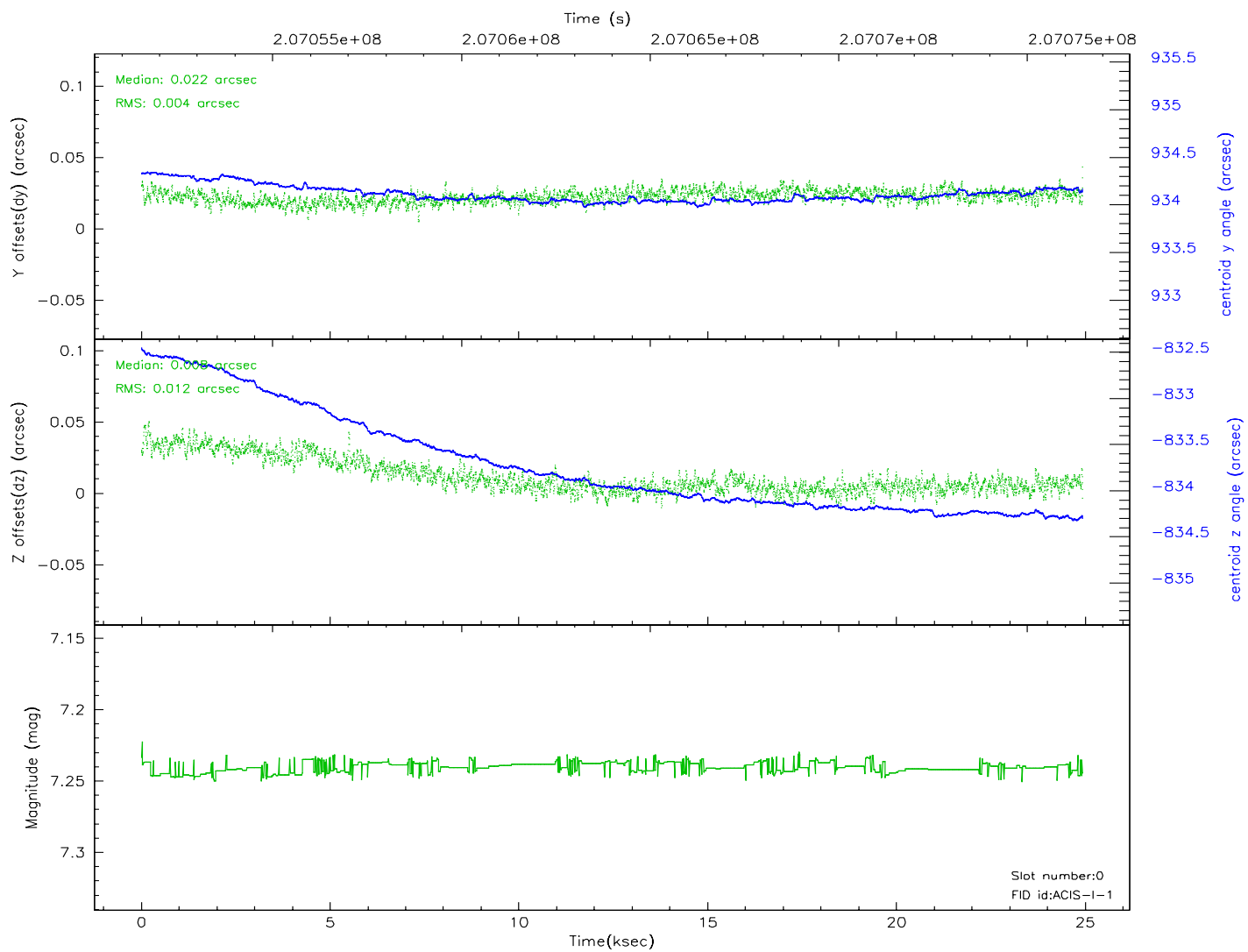
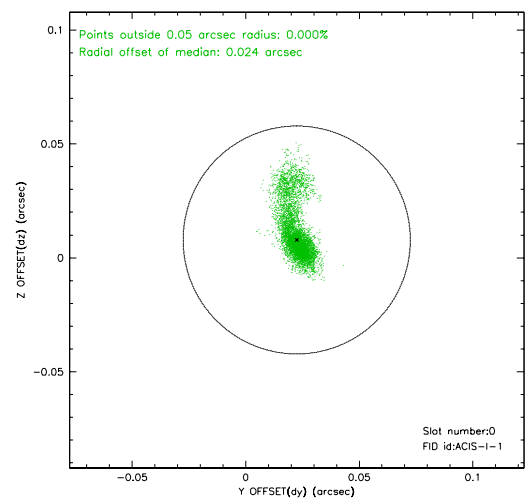
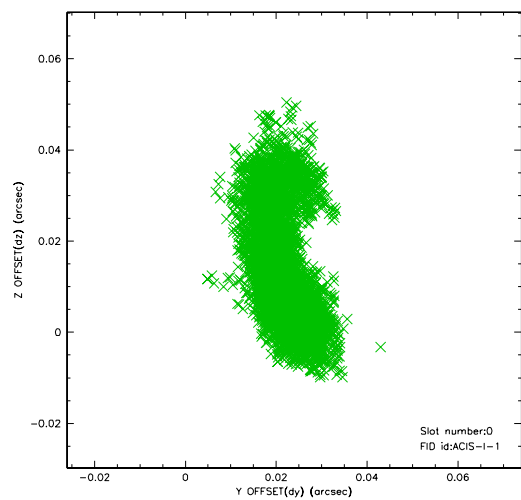


## 2.4.5 Slot 7

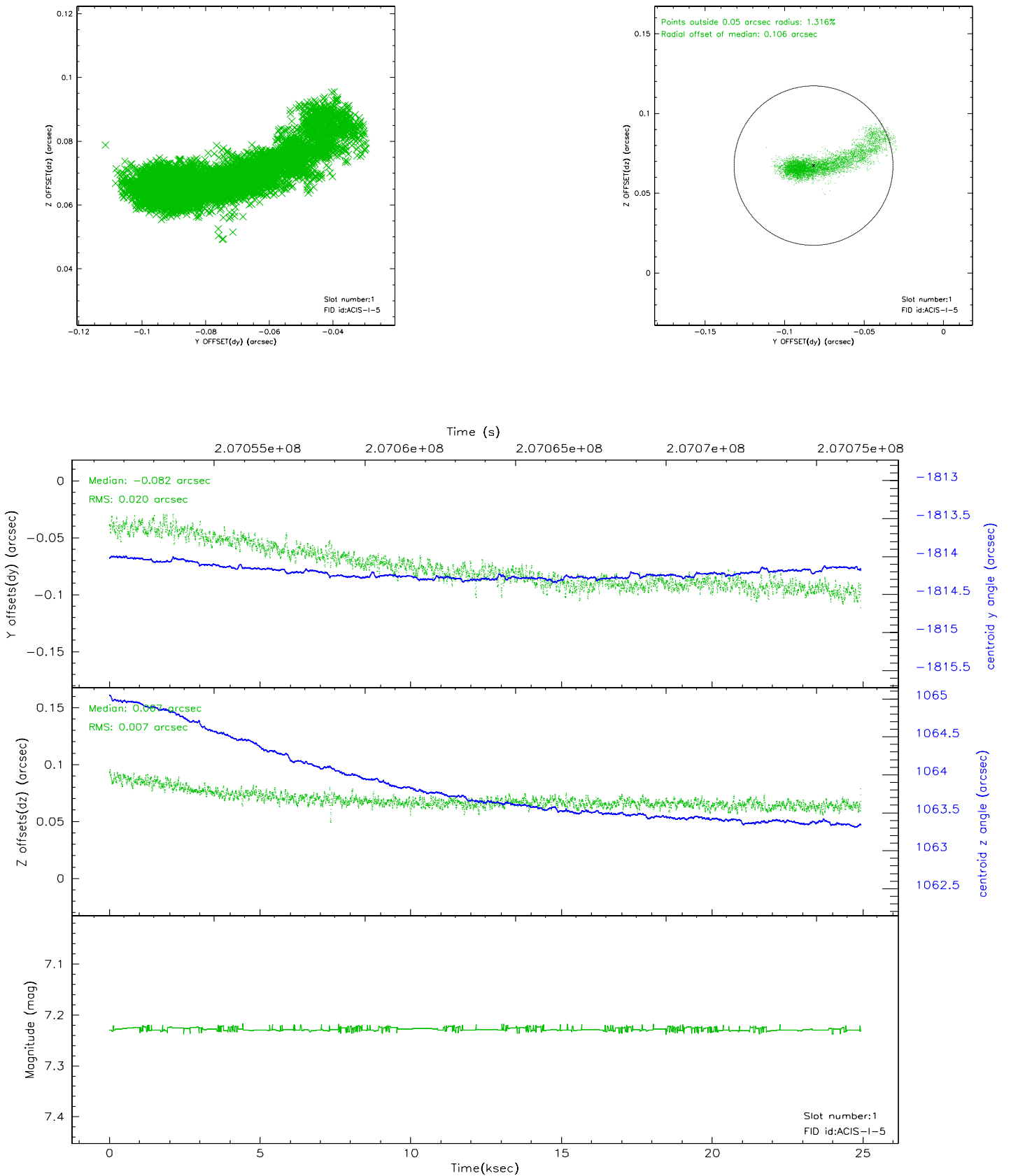


## 2.5 FID Slots

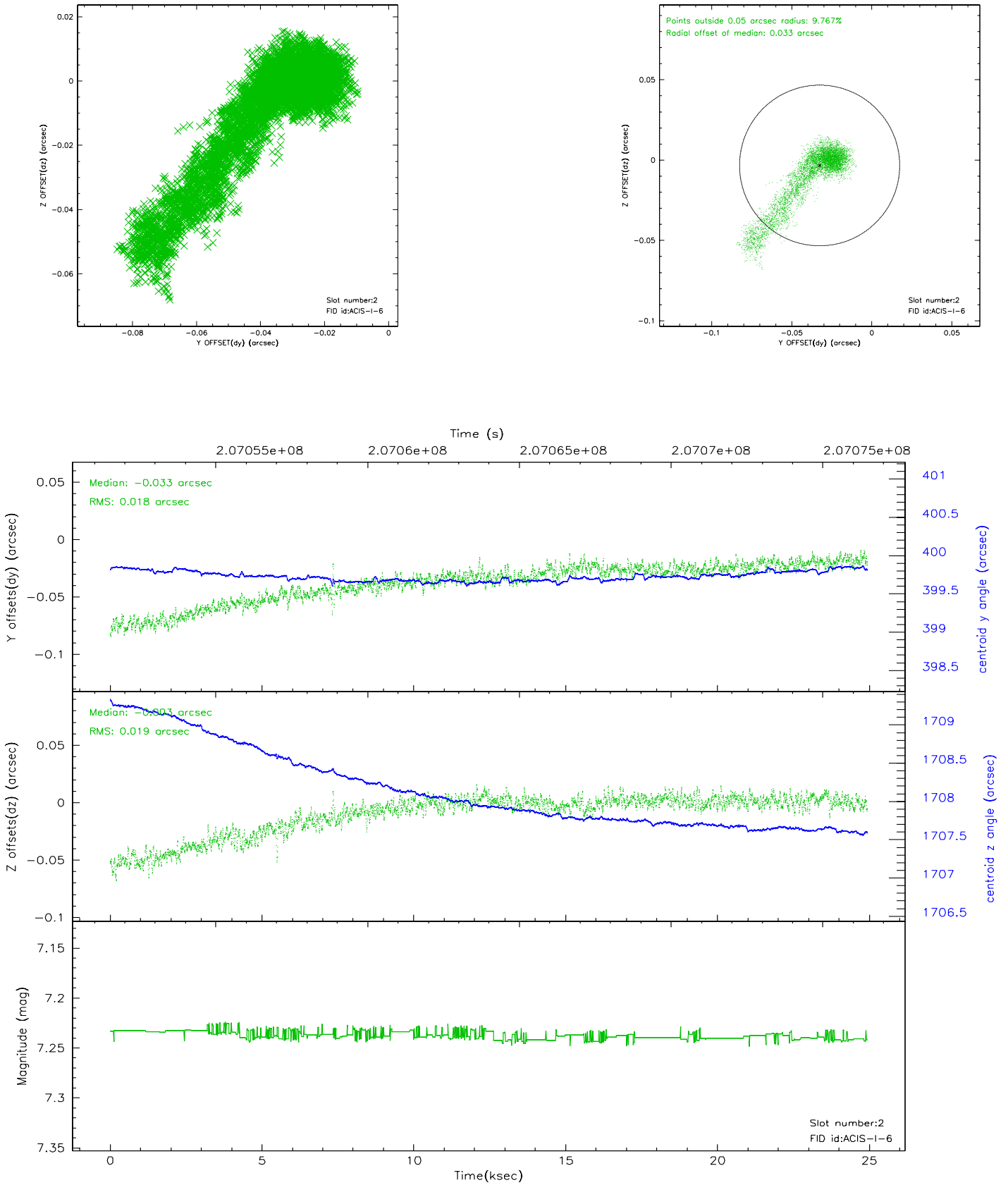
### 2.5.1 Slot 0



## 2.5.2 Slot 1

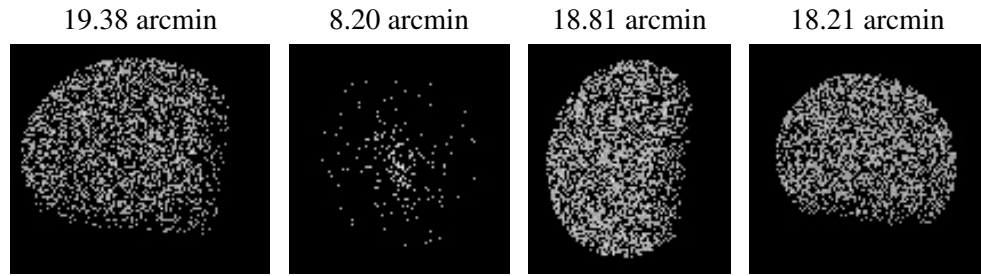


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.931

### A.2 Comments