

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6060 - L2 Version 002  
Chandra X-Ray Center

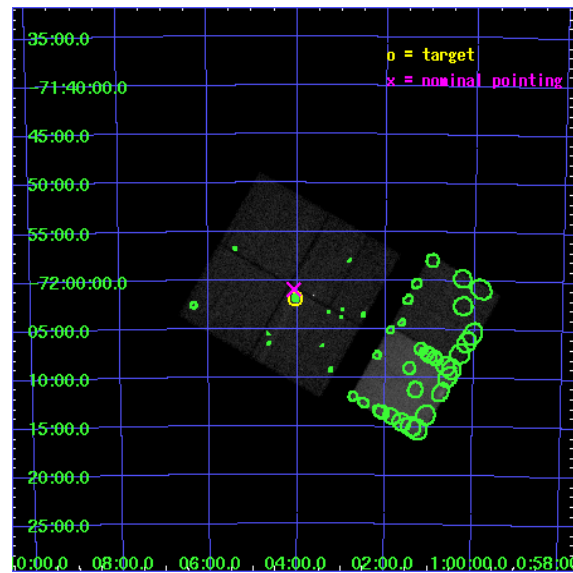
L2 Processing Date : Mar 10 2006

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# 1 Front

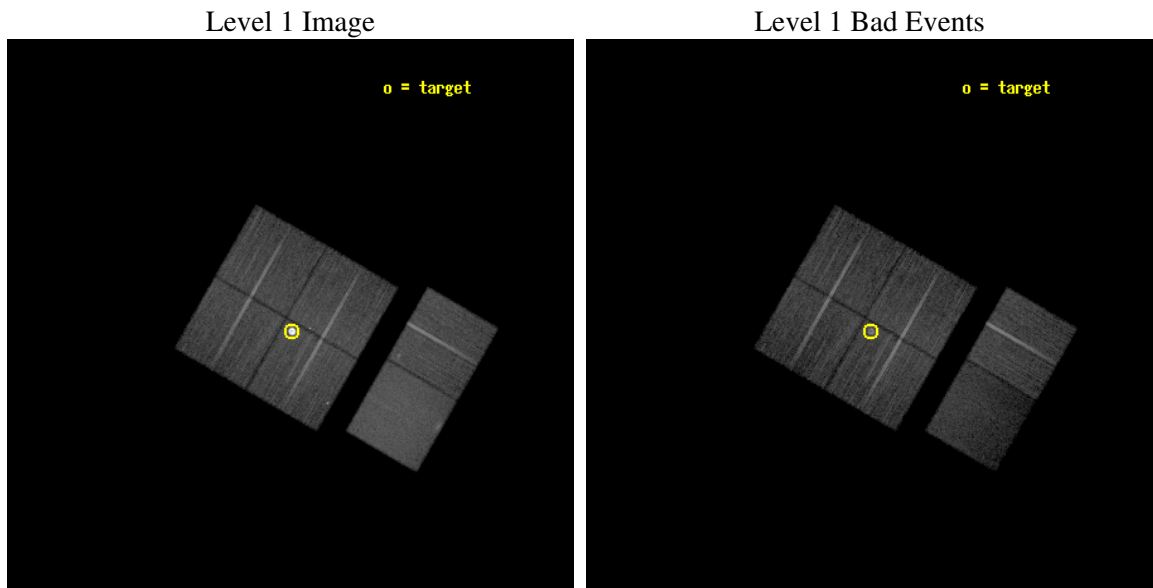
seq_num	590387
obs_id	6060
title	AO6B ACIS-I Calibration Observations of E0102-72
observer	Dr. CXC Calibration
object	E0102-72[I3,-120,-0.5,0.5,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.018338695145
dec_nom	-72.016078046521
roll_nom	119.93660279521
revision	2
ontime	20057.59992528
livetime	19803.618517789
ontime0	20054.35901472
ontime1	20054.358974904
ontime2	20054.358954966
ontime3	20057.59992528
ontime6	20054.358954996
ontime7	20057.59992528
l2events	297161



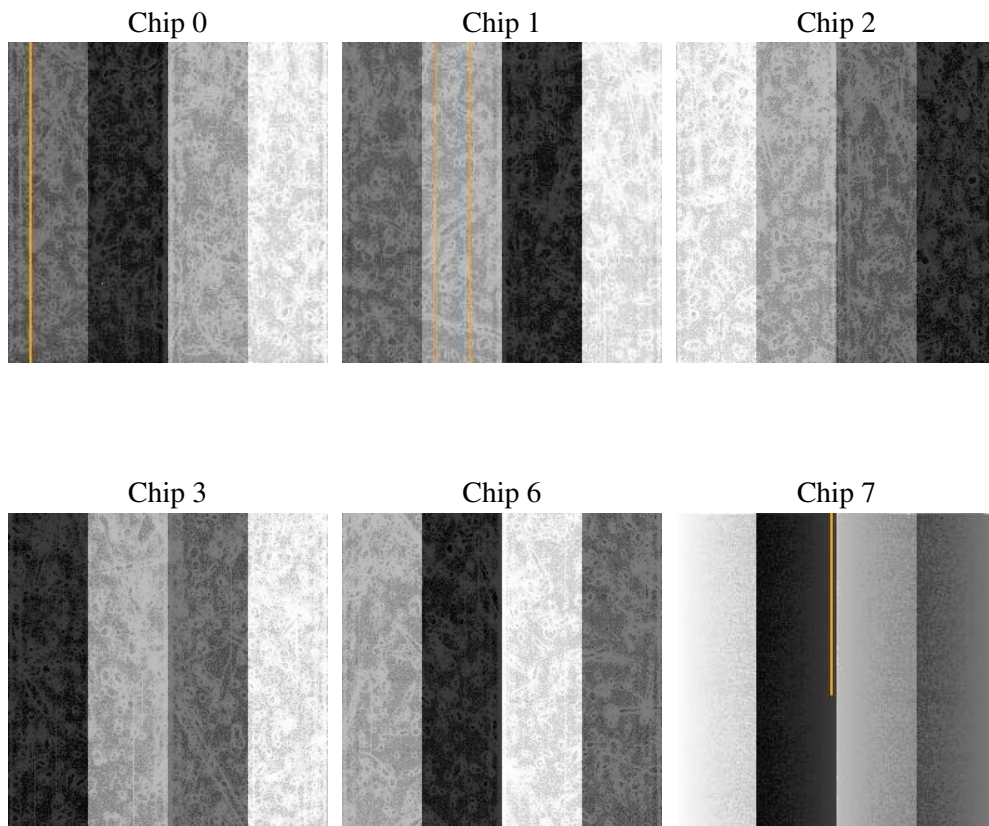
## 2 OBI

### 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	2006-03-10T07:47:38
revision	2

sched_exp_time	20100.000000
ontime	20061.829755872
ontime0	20061.829885304
ontime1	20061.829845488
ontime2	20058.588805467
ontime3	20061.829755872
ontime6	20058.588805497
ontime7	20061.82977578
l1events	906467

### 2.1.4 Events

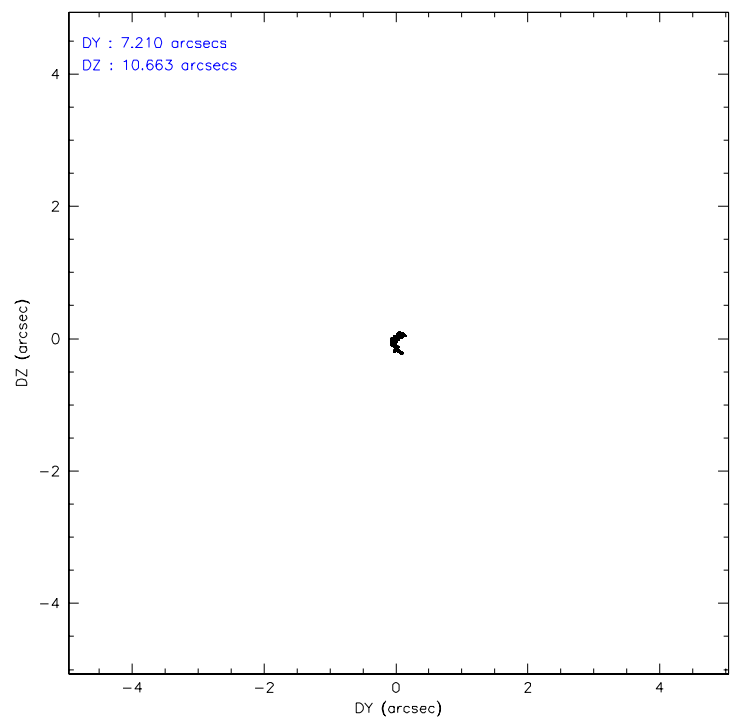
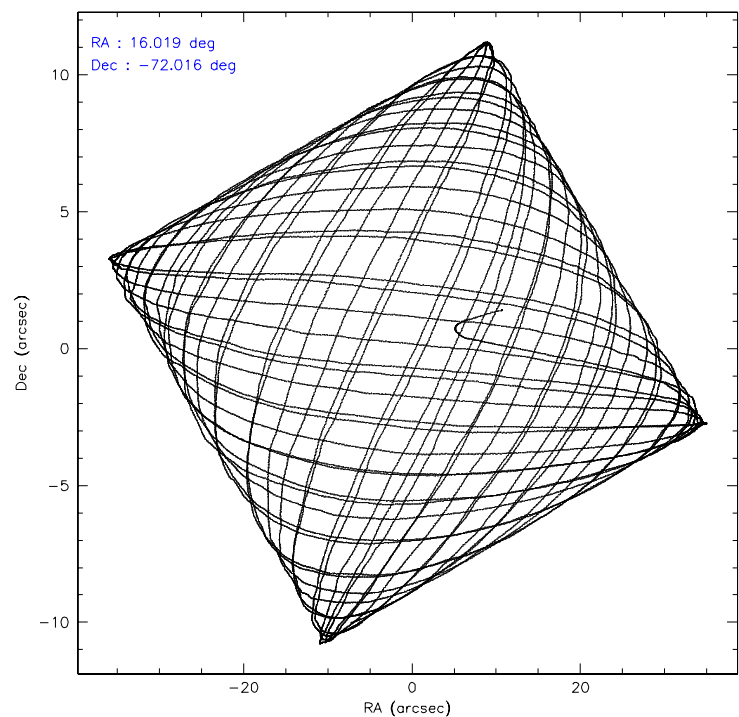
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	125456	124527	138845	202012	142870	172757
rejected events	98620	96436	110940	110464	110555	65380
rejected %	78%	77%	79%	54%	77%	37%

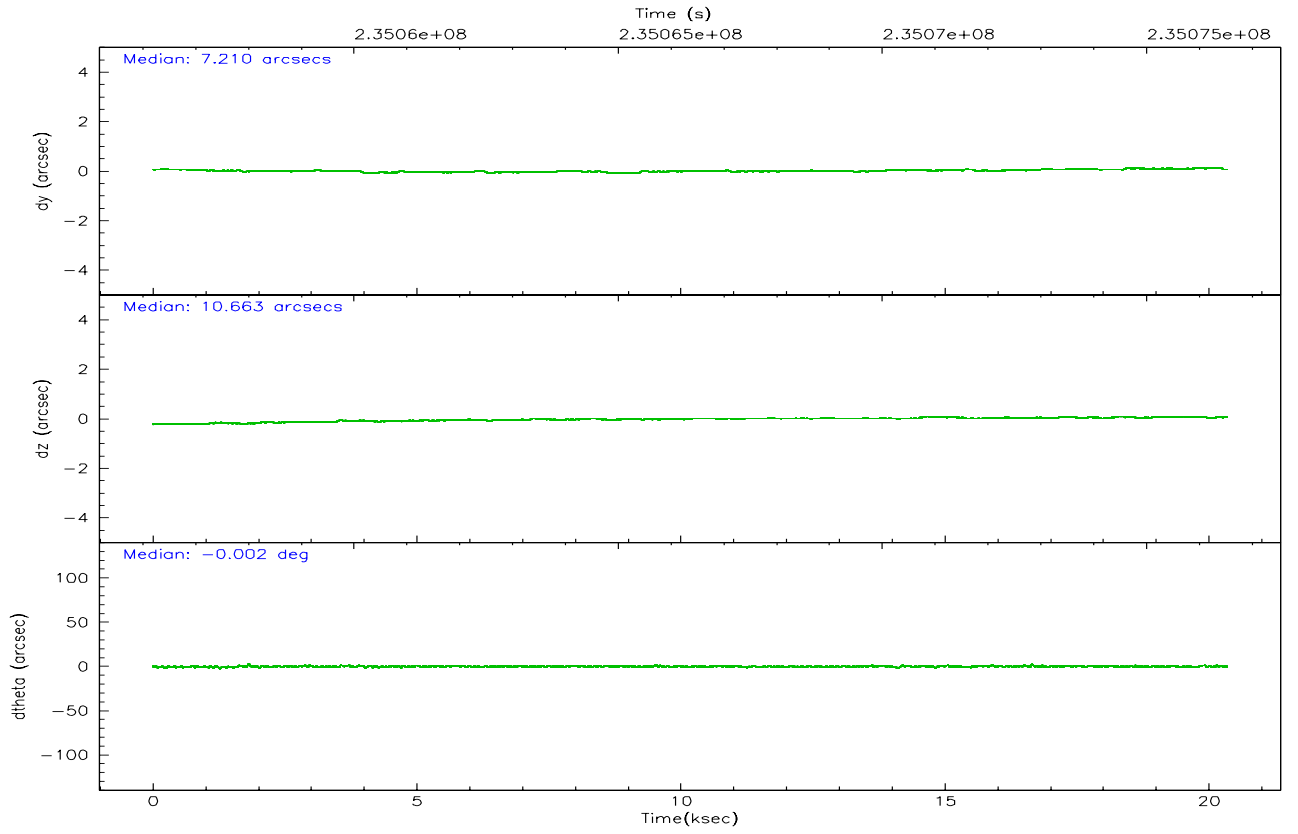
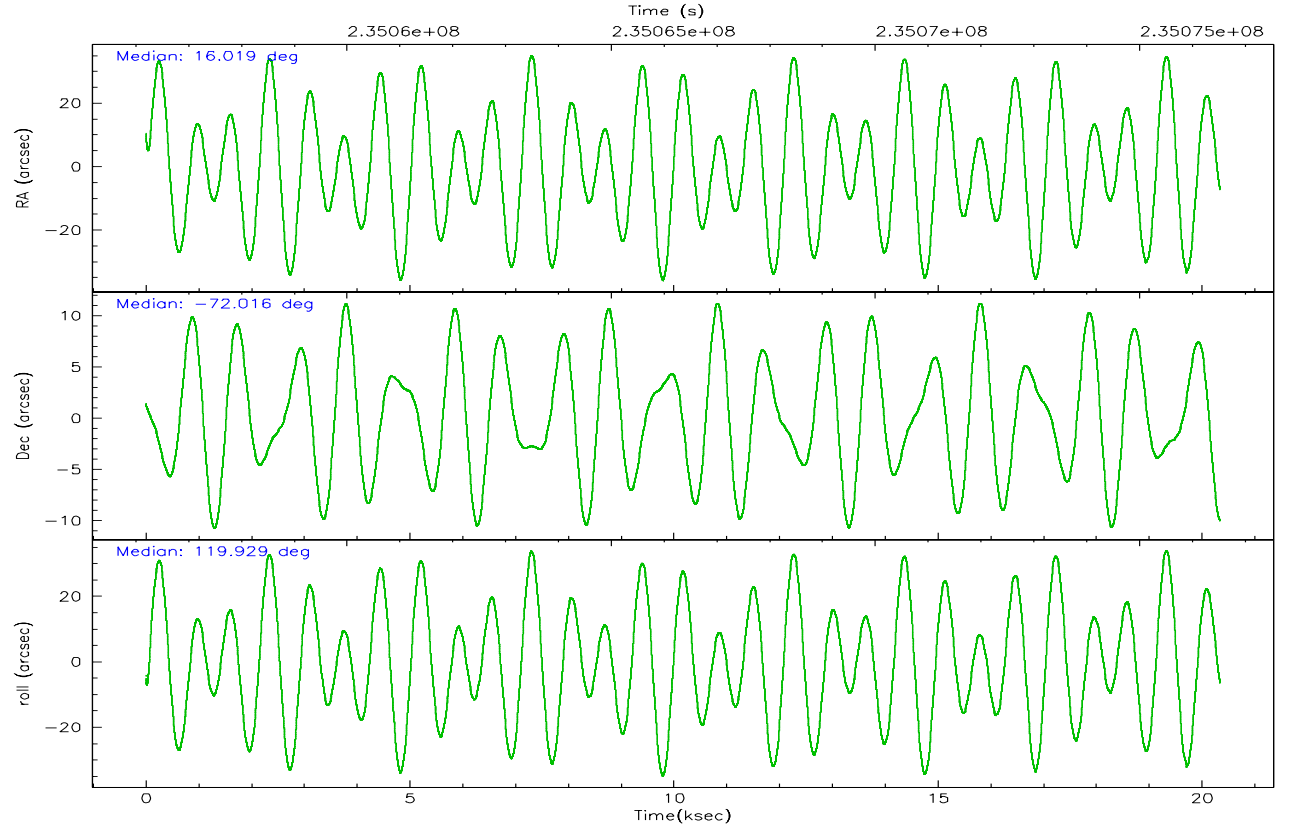
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	14520	15150	16146	73153	18819	9583
	11%	12%	11%	36%	13%	5%
grade 1 events	132	101	147	860	114	77
	0%	0%	0%	0%	0%	0%
grade 2 events	4690	4575	4576	8714	4995	24971
	3%	3%	3%	4%	3%	14%
grade 3 events	2042	2096	1885	2929	2132	6488
	1%	1%	1%	1%	1%	3%
grade 4 events	1925	2142	2017	2867	2054	6374
	1%	1%	1%	1%	1%	3%
grade 5 events	3616	3878	3211	4305	4169	9334
	2%	3%	2%	2%	2%	5%
grade 6 events	3684	4153	3292	3918	4326	60004
	2%	3%	2%	1%	3%	34%
grade 7 events	94847	92432	107571	105266	106261	55926
	75%	74%	77%	52%	74%	32%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	16.095241	16.01833869514464	Alternating exposures requested	N	N
Pointing Dec	-72.029659	-72.016078046521	Primary exposure time	0.000000	3.2
Pointing Roll	119.801065	119.9366027952087			
Window start time	231292864.184000	231292864.184000			
Window stop time	236476864.184000	236476864.184000			
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	235056435.184000	235055443.5656			
Observation start date	2005-06-13T13:26:11	2005-06-13T13:10:43			
Observation end time	235076535.184000	235077276.5791			
Observation end date	2005-06-13T19:01:11	2005-06-13T19:14:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect





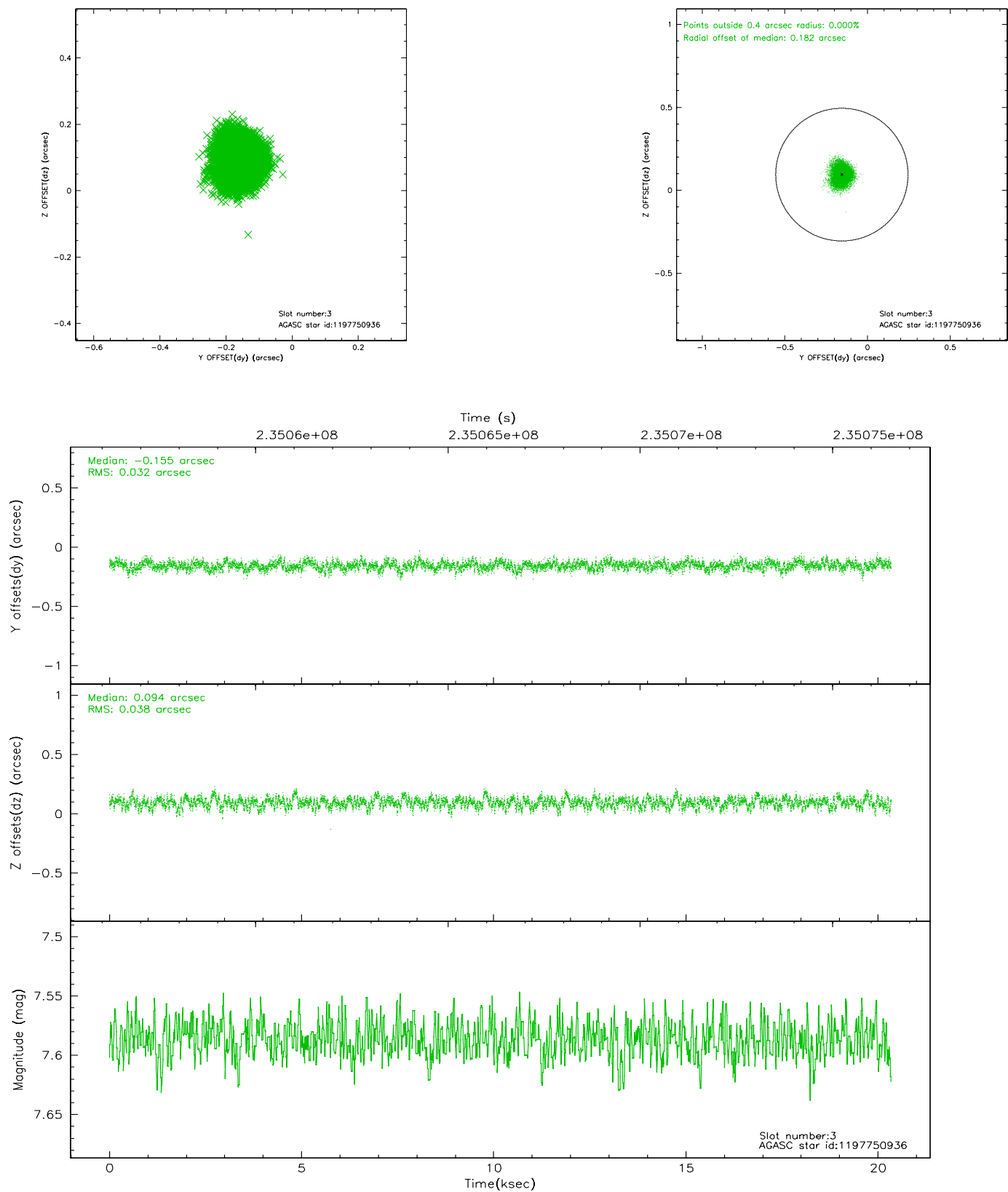
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	4962	-0.054	-0.052	0.009	0.016	0.000000	0.000000	-761.78	-840.54
1	FID	ACIS-I-4	7.18	4962	0.103	0.051	0.006	0.010	0.000000	0.000000	2152.37	1065.63
2	FID	ACIS-I-5	7.23	4962	-0.150	0.070	0.009	0.015	0.000000	0.000000	-1815.46	1063.73
3	GUIDE	1197750936	7.59	9925	-0.155	0.094	0.053	0.086	15.387940	-71.549550	1896.18	-156.63
4	GUIDE	1197884712	8.31	9922	0.077	-0.112	0.060	0.097	16.087398	-72.252690	-691.97	406.59
5	GUIDE	1197885104	9.36	9911	0.013	0.169	0.081	0.136	17.845067	-72.189368	-1480.44	-1371.46
6	GUIDE	1197885328	7.25	9923	-0.058	0.033	0.044	0.071	16.283090	-71.733943	818.32	-713.15
7	GUIDE	1198189696	7.37	9924	0.123	-0.184	0.048	0.078	15.223750	-72.697522	-1628.40	2007.79

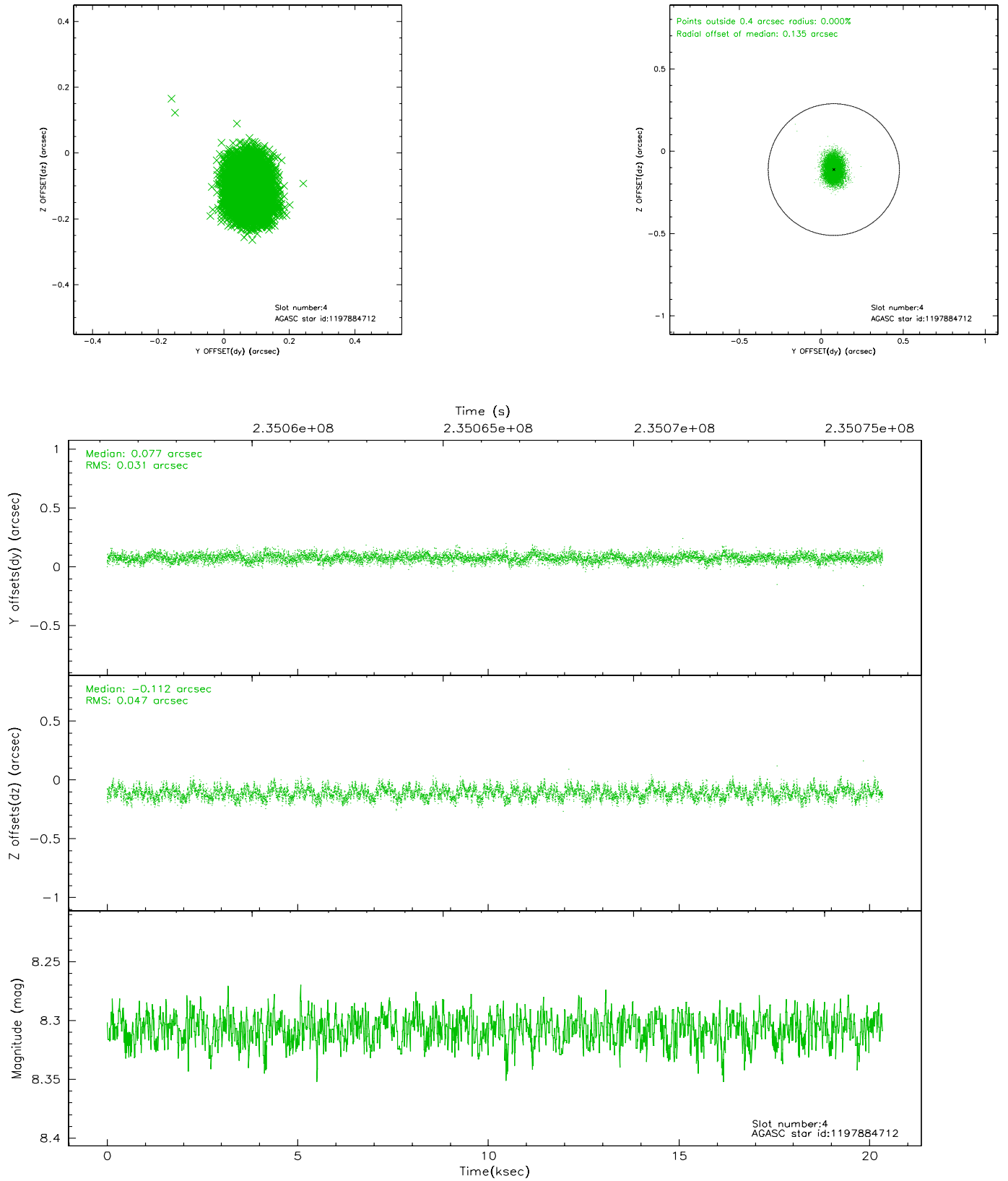


## 2.4 Star Slots

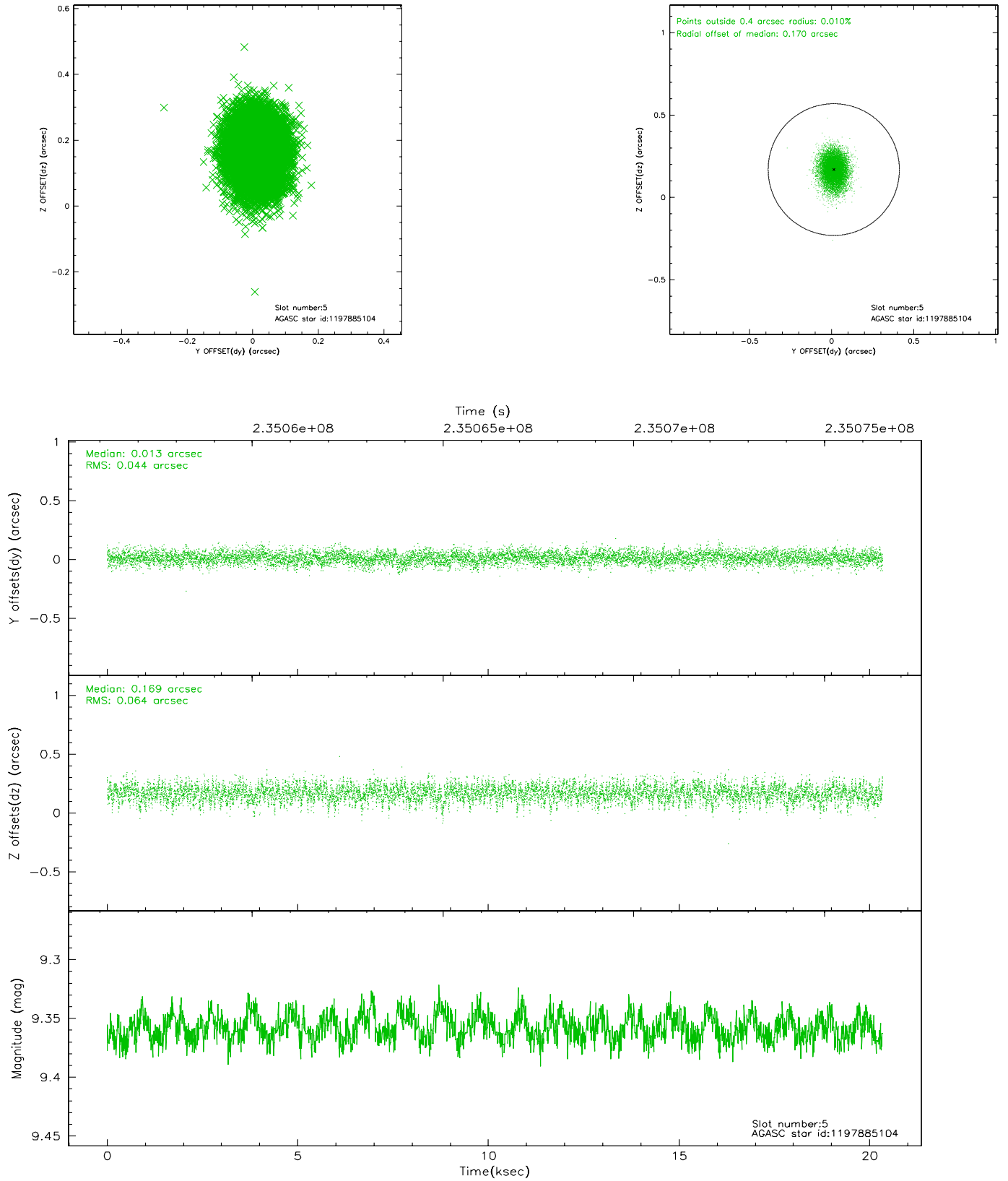
### 2.4.1 Slot 3



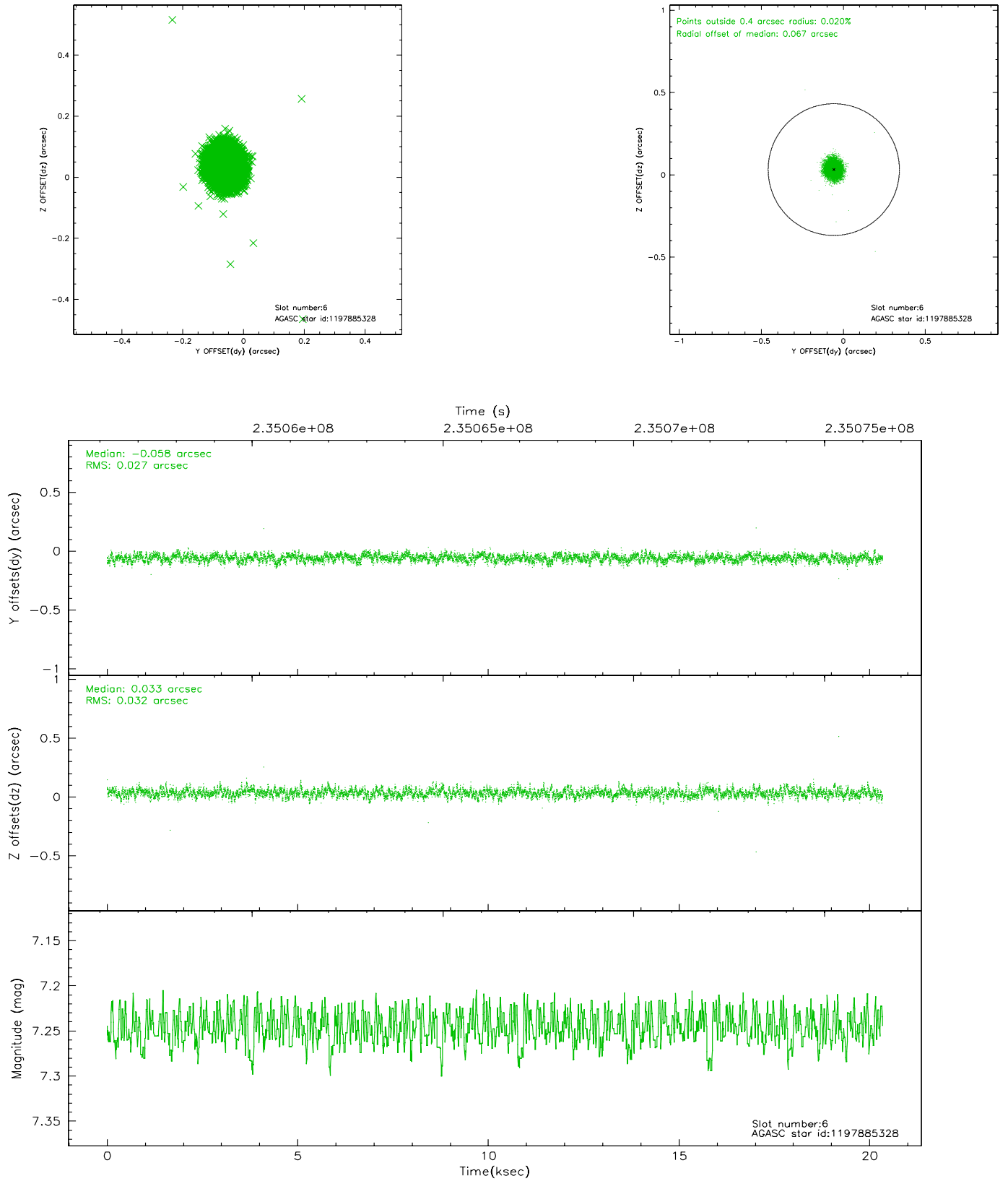
## 2.4.2 Slot 4



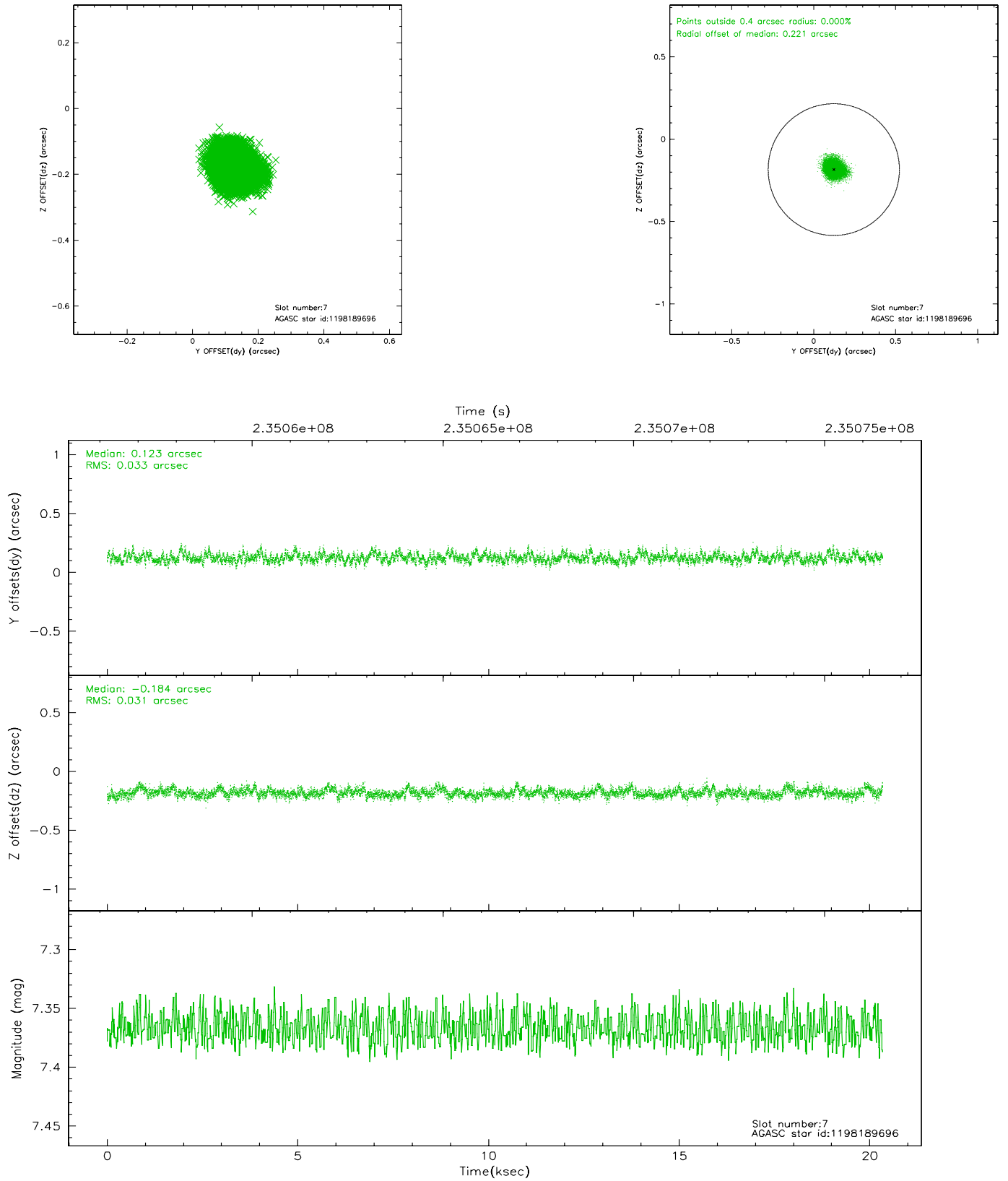
### 2.4.3 Slot 5



## 2.4.4 Slot 6

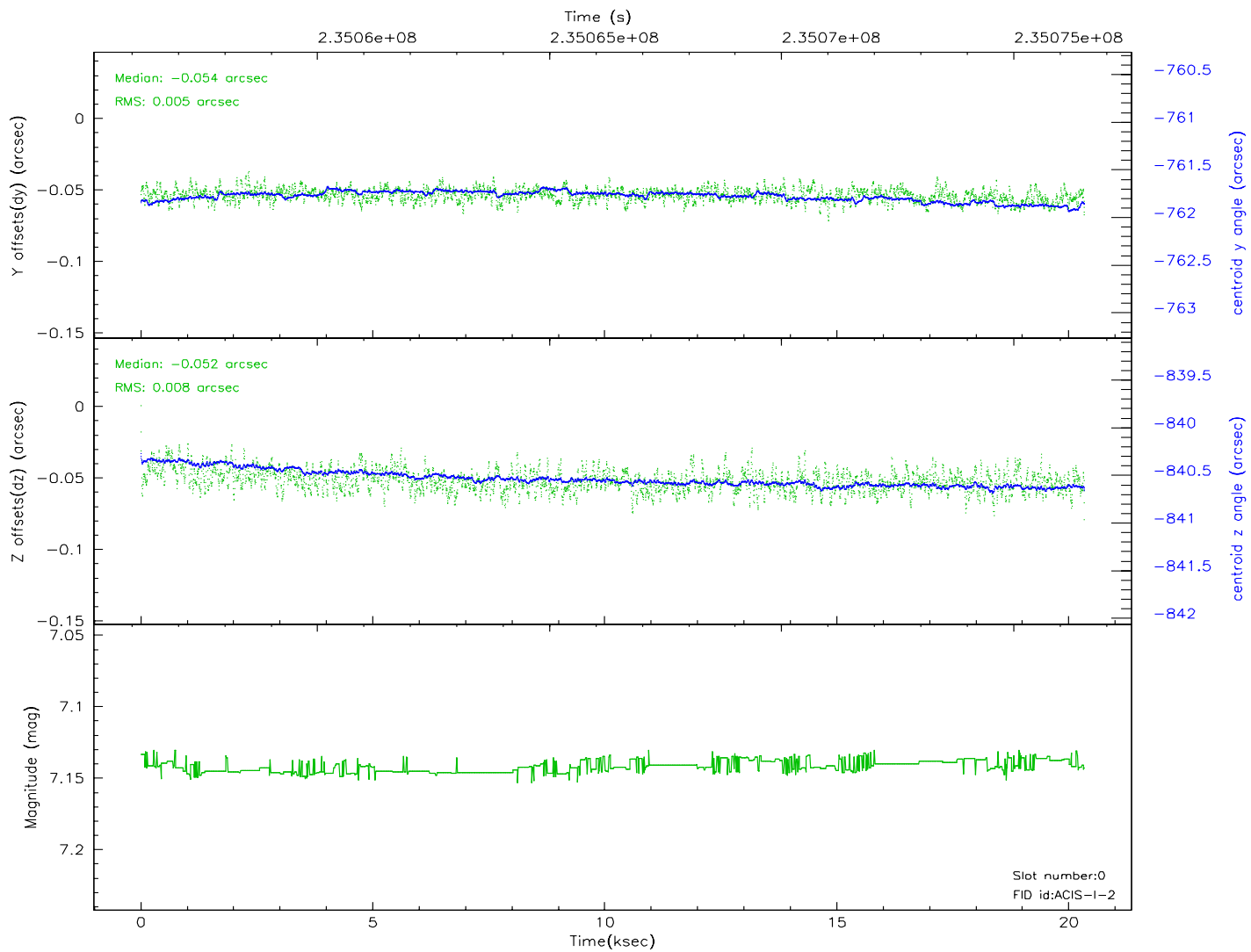
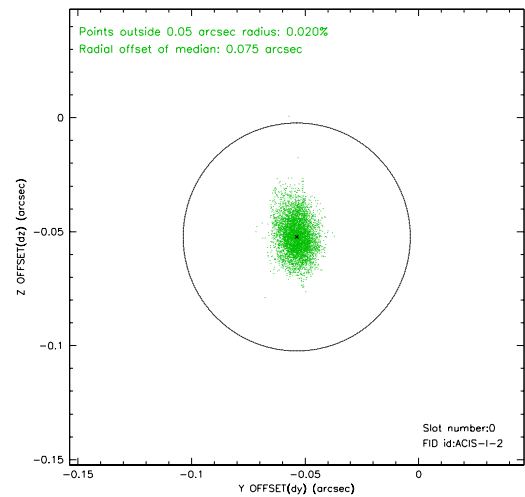
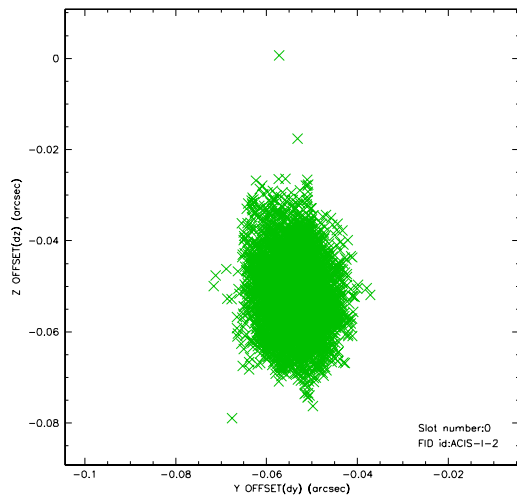


## 2.4.5 Slot 7

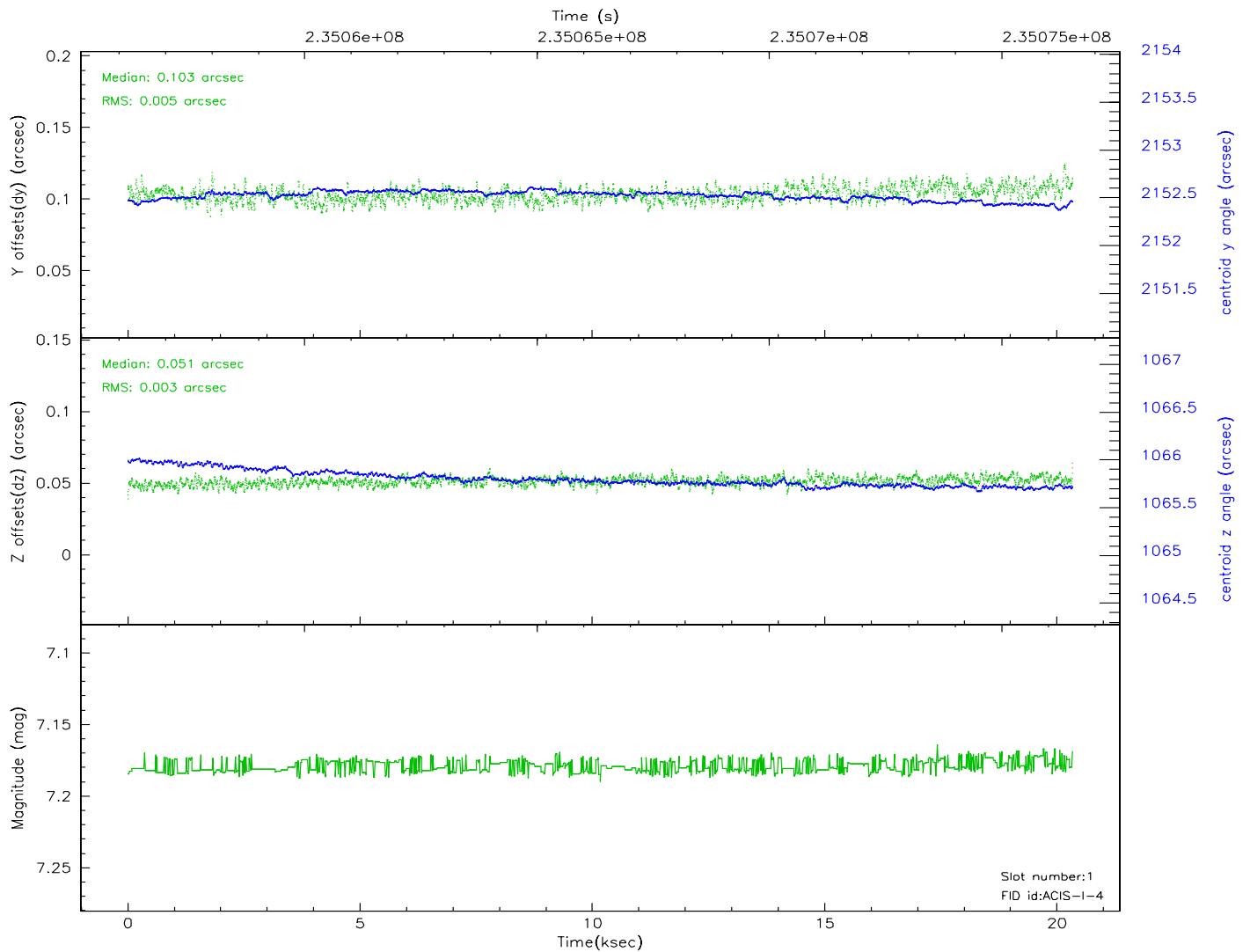
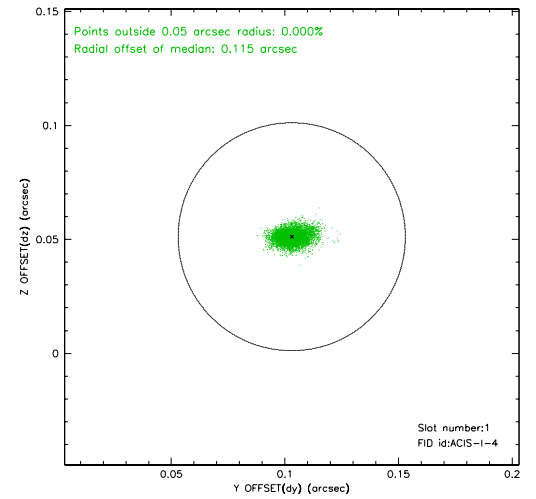
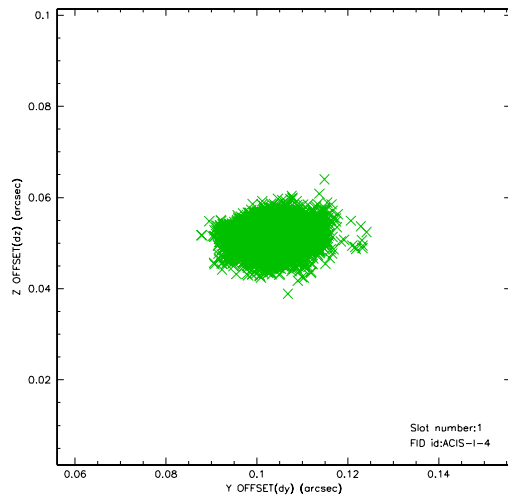


## 2.5 FID Slots

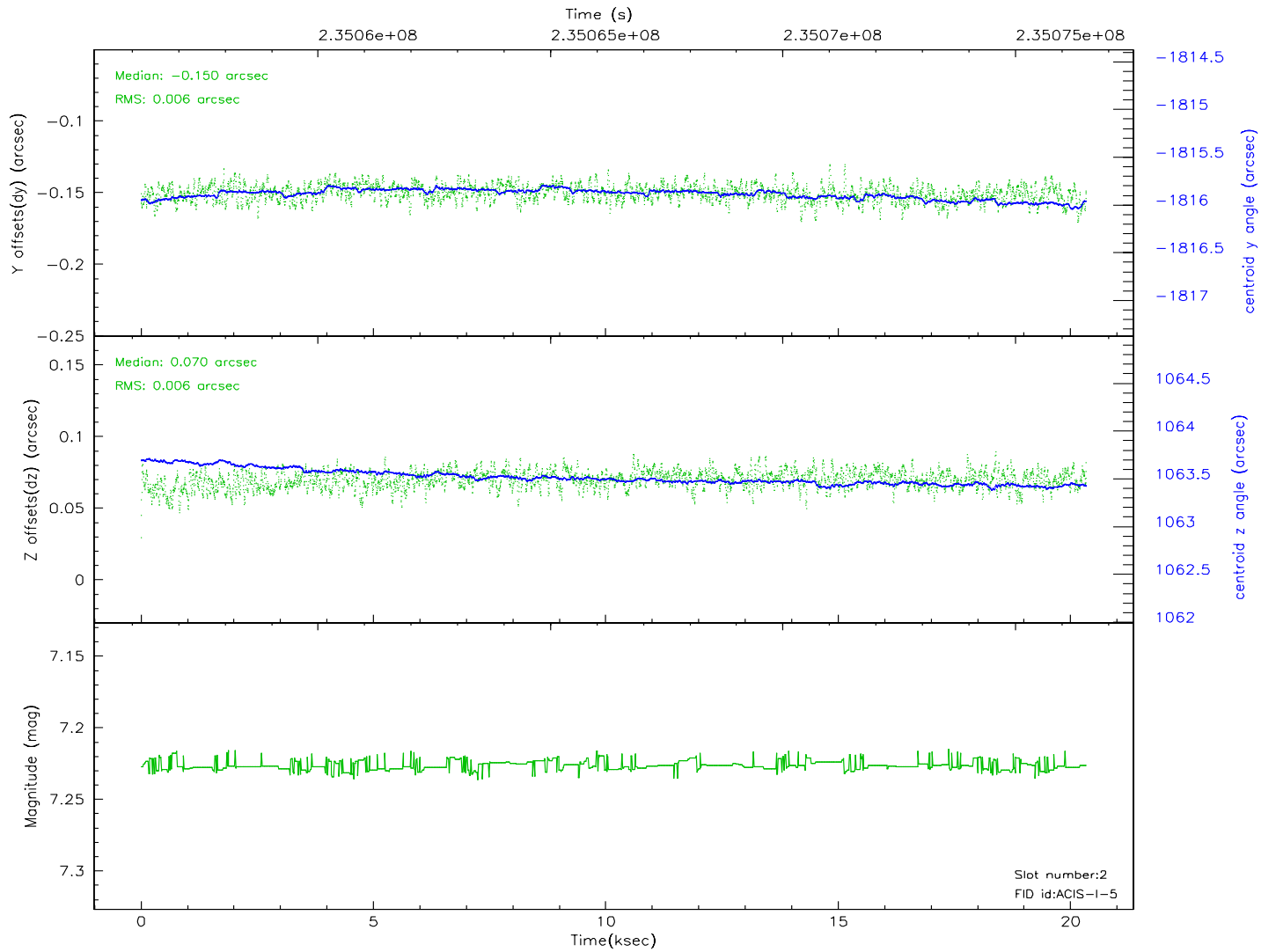
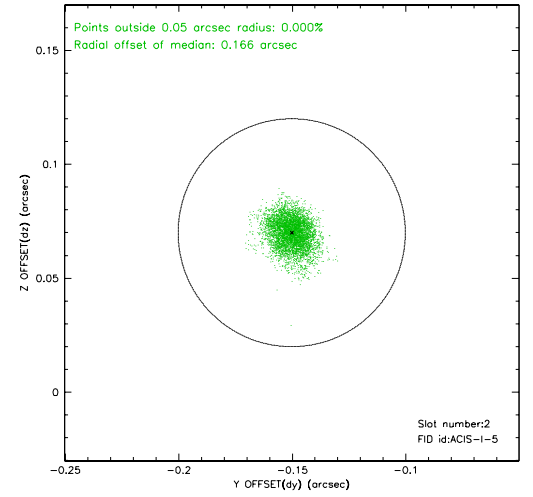
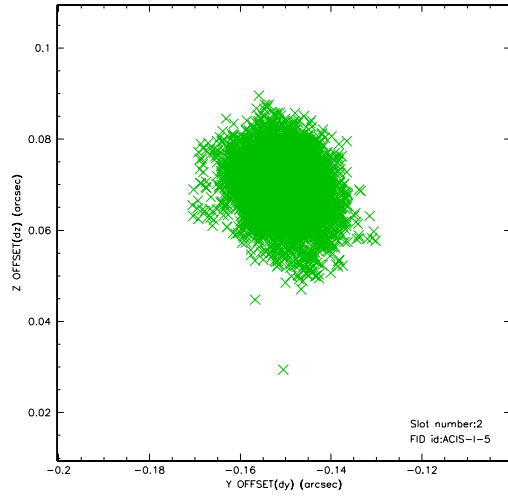
### 2.5.1 Slot 0



## 2.5.2 Slot 1

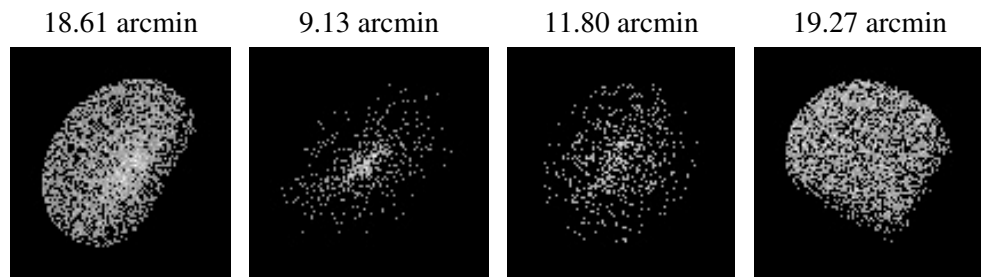


### 2.5.3 Slot 2





### 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	20.05759

### A.2 Comments

Time constraint met.