

# V&V Reference Report

## L2 ASCDS Version : 7.6.11

Observation 1313 - L2 Version 2  
Chandra X-Ray Center

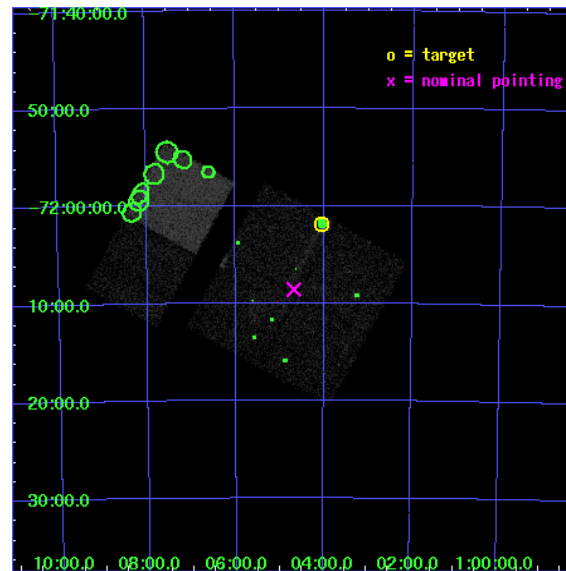
L2 Processing Date : Jul 12 2007

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# 1 Front

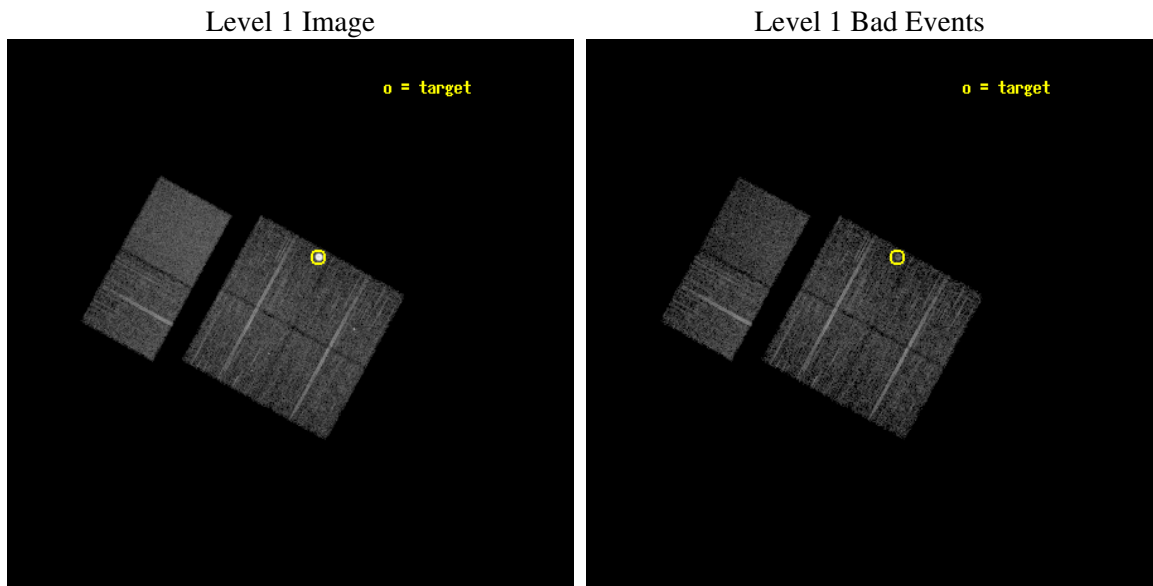
seq_num	590127
obs_id	1313
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I3, T=120, Offsets=-7.0.0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.169146862881
dec_nom	-72.1432411473
roll_nom	298.85027295737
revision	2
ontime	7340.8000068367
livetime	7247.846377051
ontime0	7340.8000068367
ontime1	7340.8000068367
ontime2	7340.8000068367
ontime3	7340.8000068367
ontime6	7340.8000068367
ontime7	7340.8000068367
l2events	68534



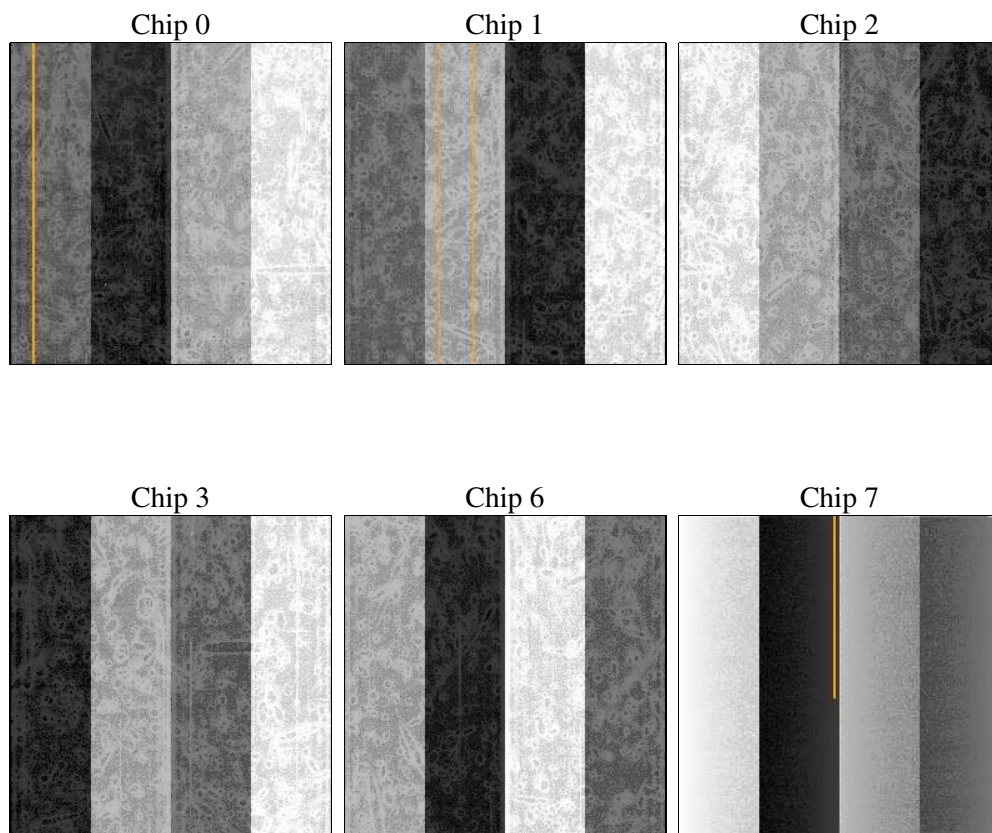
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.11
caldsver	3.4.0
date	2007-07-12T23:20:02
revision	2

sched_exp_time	7200.000000
ontime	7340.8000068367
ontime0	7340.8000068367
ontime1	7340.8000068367
ontime2	7340.8000068367
ontime3	7340.8000068367
ontime6	7340.8000068367
ontime7	7340.8000068367
l1events	312011

### 2.1.4 Events

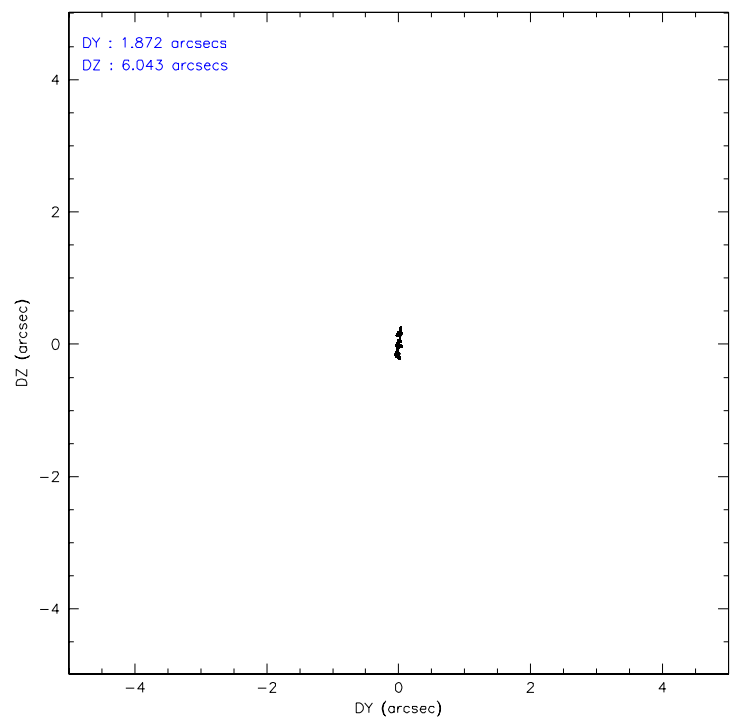
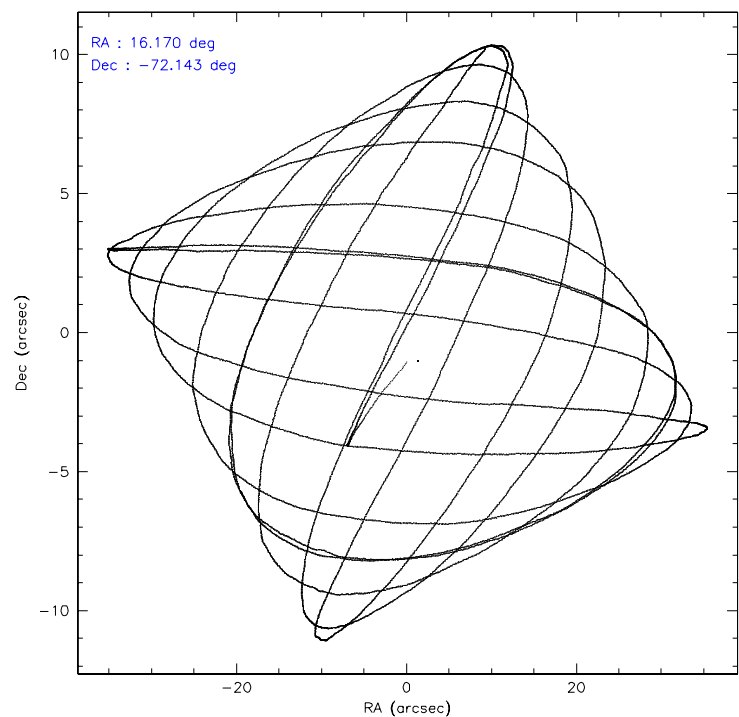
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	42404	44013	47707	69939	48770	59178
rejected events	37333	38061	42007	41984	43660	36236
rejected %	88%	86%	88%	60%	89%	61%

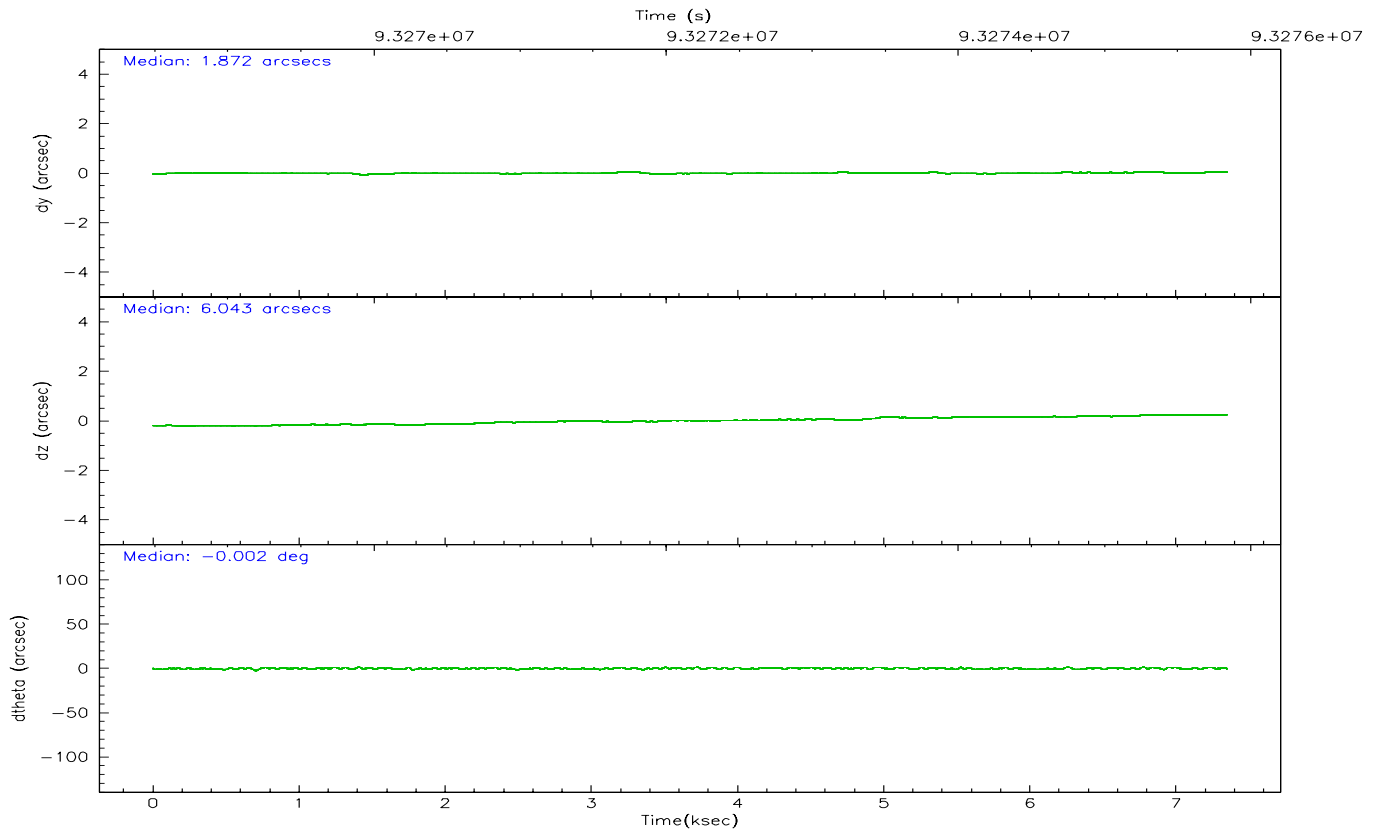
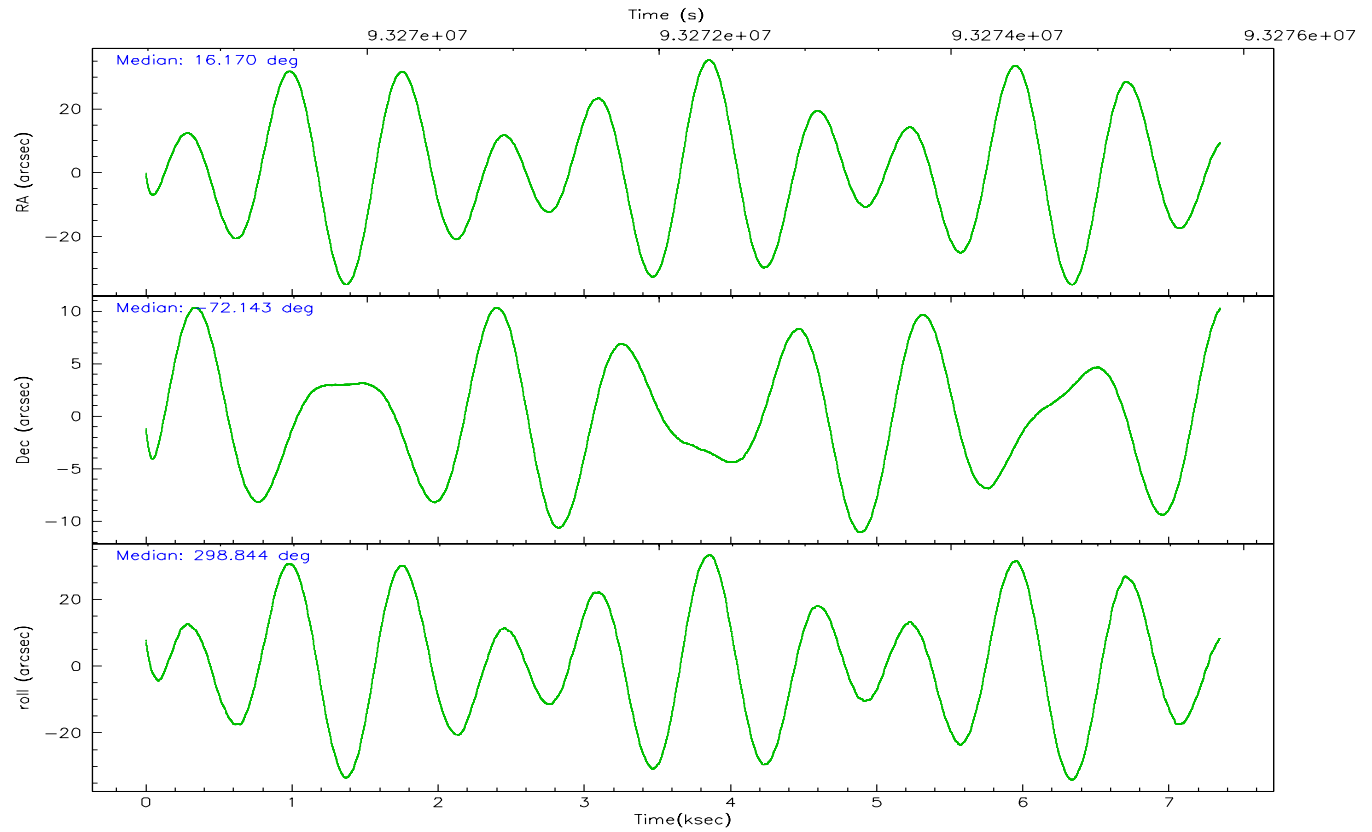
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2445	2891	3033	23163	2283	2447
	5%	6%	6%	33%	4%	4%
grade 1 events	31	28	25	163	26	49
	0%	0%	0%	0%	0%	0%
grade 2 events	1092	1145	1150	2651	1090	4816
	2%	2%	2%	3%	2%	8%
grade 3 events	531	614	505	934	542	2294
	1%	1%	1%	1%	1%	3%
grade 4 events	503	614	510	929	542	2323
	1%	1%	1%	1%	1%	3%
grade 5 events	1765	1817	1607	1806	1962	5630
	4%	4%	3%	2%	4%	9%
grade 6 events	929	1092	891	1130	1099	12870
	2%	2%	1%	1%	2%	21%
grade 7 events	35108	35812	39986	39163	41226	28749
	82%	81%	83%	55%	84%	48%

## 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
Observation mode	POINTING	POINTING	Number of optional ACIS chips dropped	0	0
Pointing RA	16.092574	16.16914686288145	On-chip summing requested	N	N
Pointing Dec	-72.129013	-72.14324114729966	Subarray requested	NONE	NONE
Pointing Roll	298.568705	298.8502729573682	Alternating exposures requested	N	N
Window start time	92016064.184000	92016064.184000	Primary exposure time	0.000000	3.2
Window stop time	94608064.184000	94608064.184000			
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	93268637.184000	93267302.396659			
Observation start date	2000-12-15T11:56:13	2000-12-15T11:35:02			
Observation end time	93275837.184000	93275971.84699			
Observation end date	2000-12-15T13:56:13	2000-12-15T13:59:31			
Read mode	TIMED	TIMED			

## 2.3 Aspect





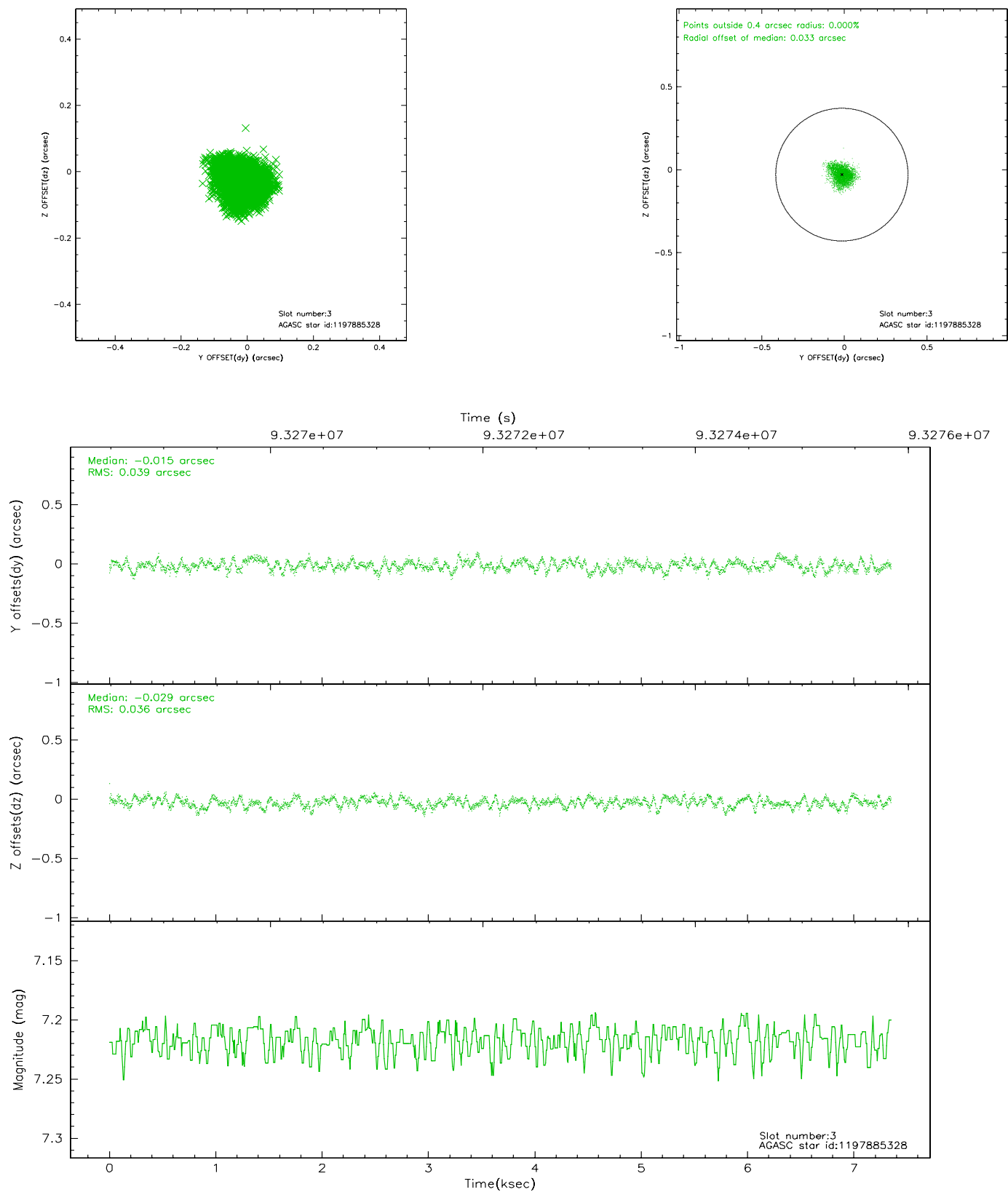
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1793	-0.022	-0.048	0.009	0.016	0.000000	0.000000	-756.24	-835.83
1	FID	ACIS-I-4	7.18	1793	-0.069	0.034	0.006	0.009	0.000000	0.000000	2157.41	1070.05
2	FID	ACIS-I-5	7.23	1793	-0.011	0.082	0.009	0.014	0.000000	0.000000	-1809.06	1068.81
3	GUIDE	1197885328	7.22	3586	-0.015	-0.029	0.058	0.090	16.283090	-71.733943	-1146.36	867.99
4	GUIDE	1198189696	7.37	3586	-0.091	0.007	0.045	0.074	15.223750	-72.697522	1358.08	-1799.27
5	GUIDE	1197750936	7.56	3586	-0.054	-0.067	0.040	0.064	15.387940	-71.549550	-2211.80	288.71
6	GUIDE	1197884536	8.50	3586	0.048	0.053	0.056	0.092	17.160729	-71.835289	-347.09	1552.71
7	GUIDE	1197884712	8.30	3585	0.109	0.037	0.051	0.082	16.087398	-72.252690	388.09	-218.13

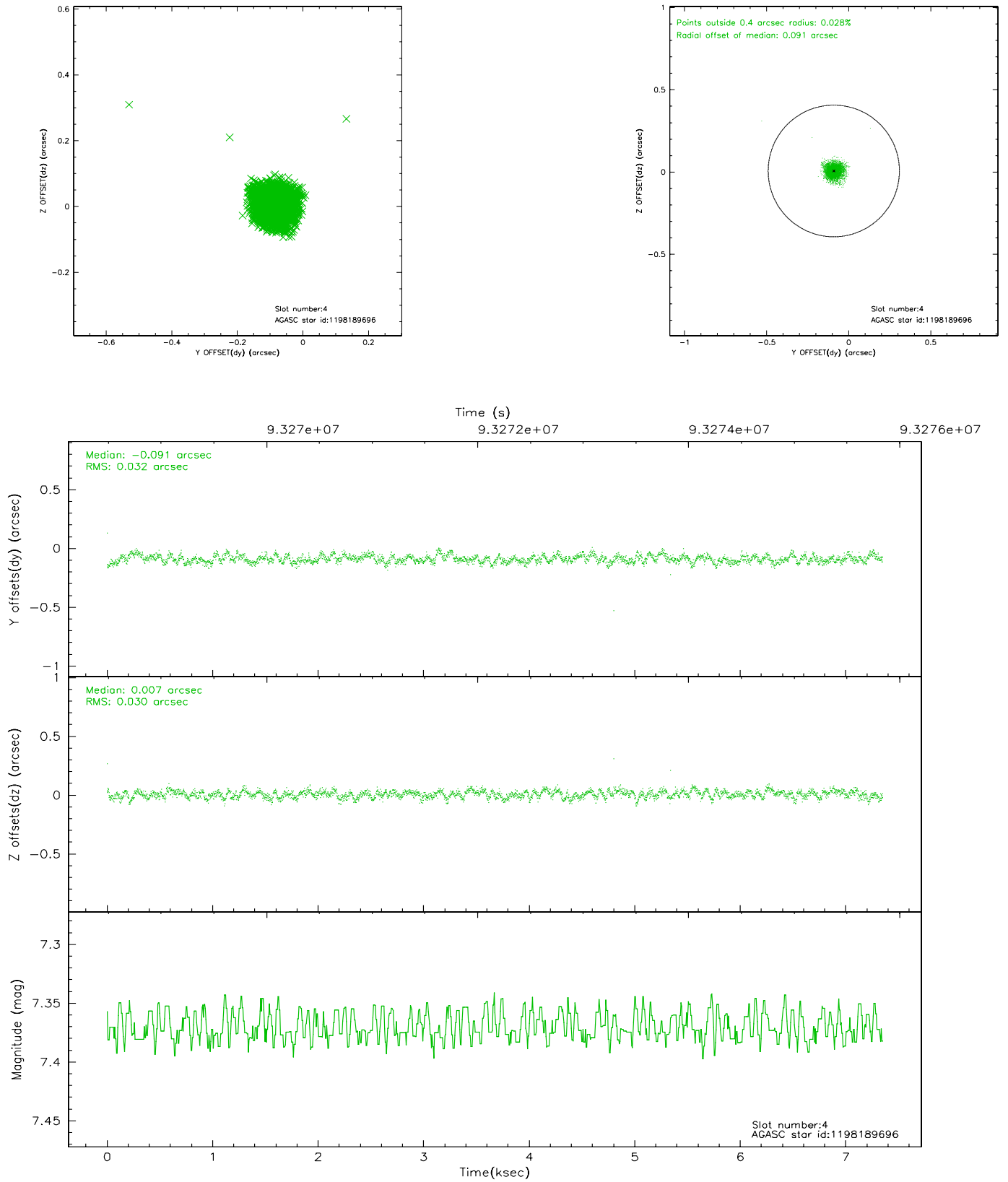


## 2.4 Star Slots

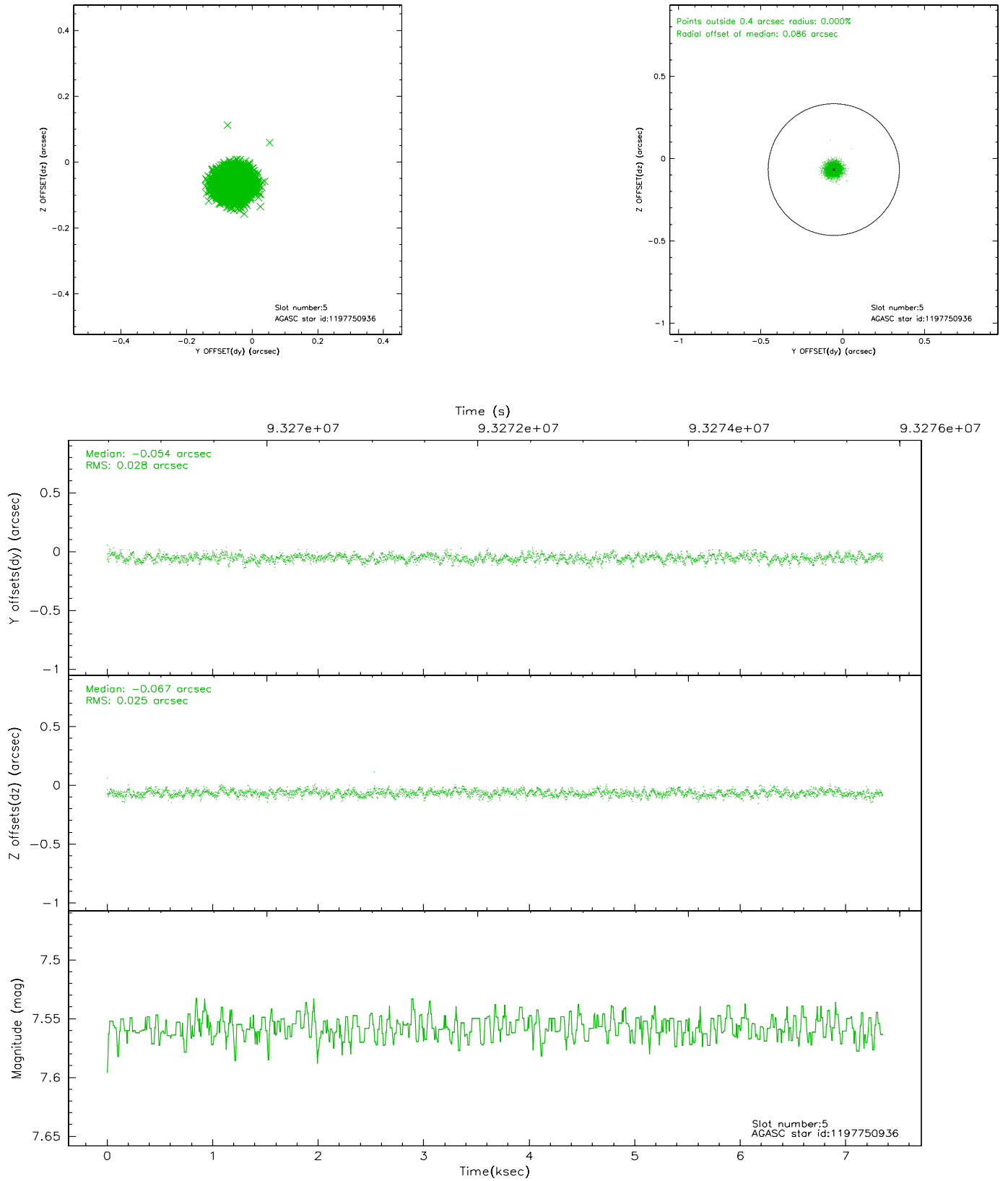
### 2.4.1 Slot 3



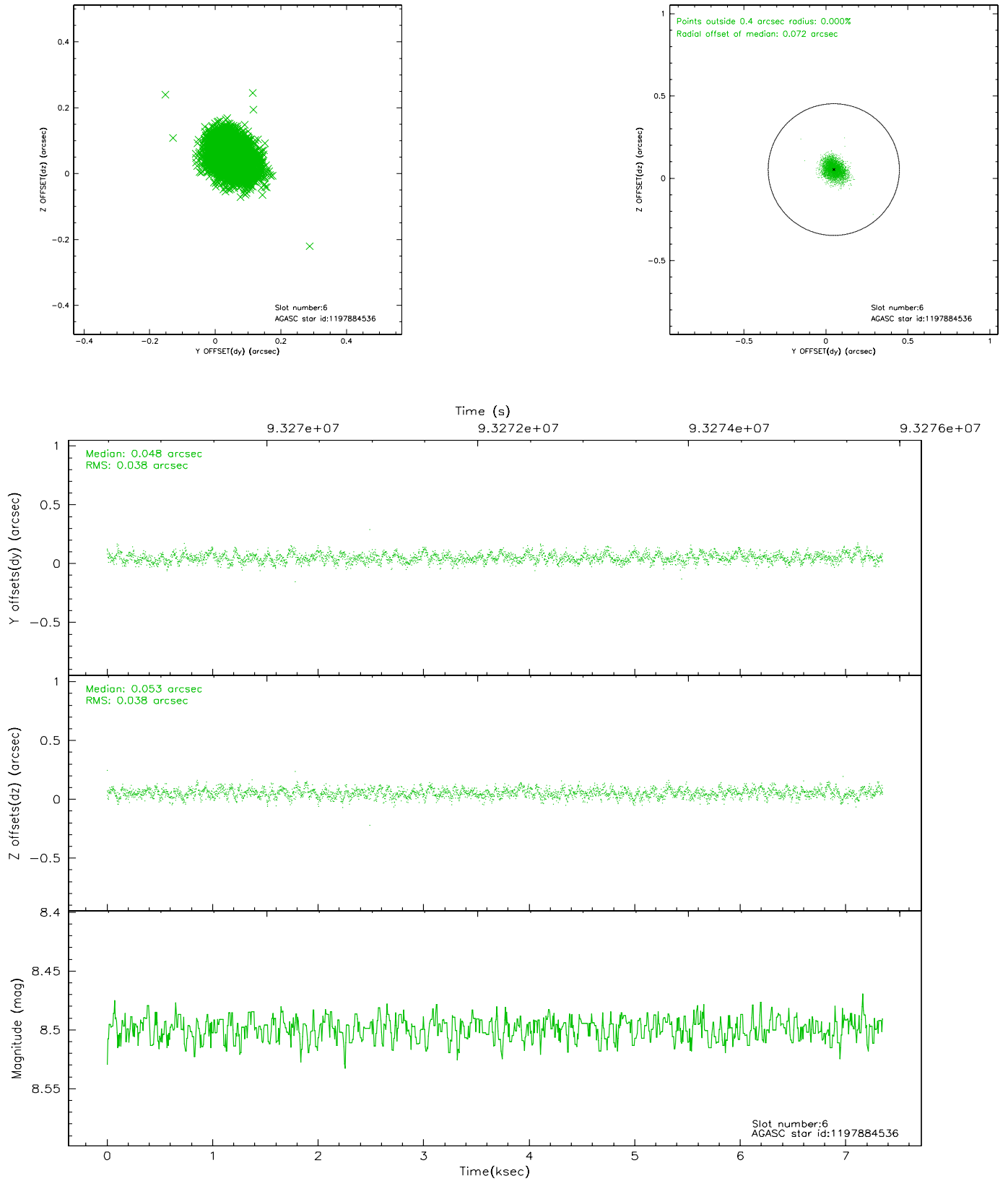
## 2.4.2 Slot 4



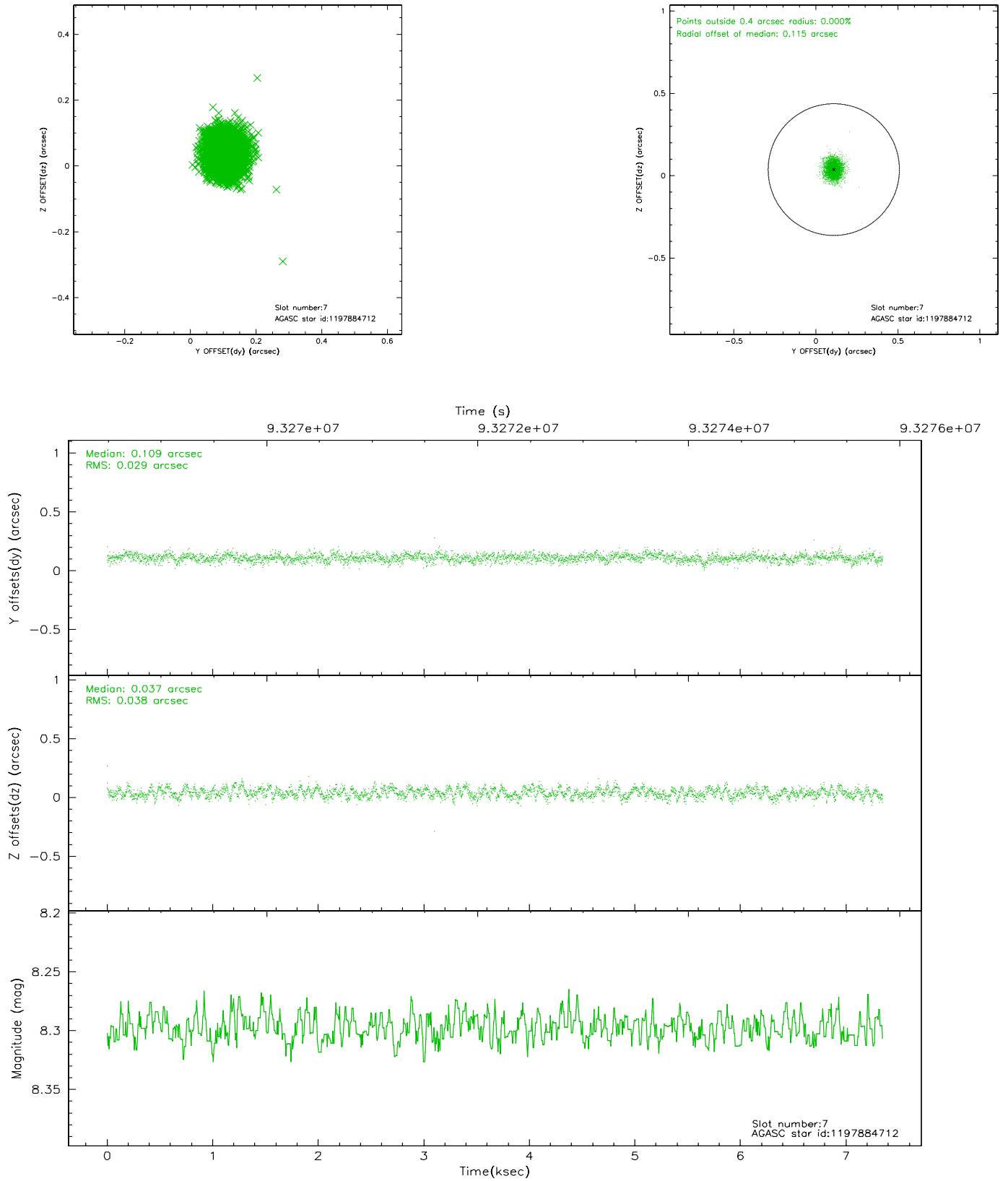
### 2.4.3 Slot 5



## 2.4.4 Slot 6

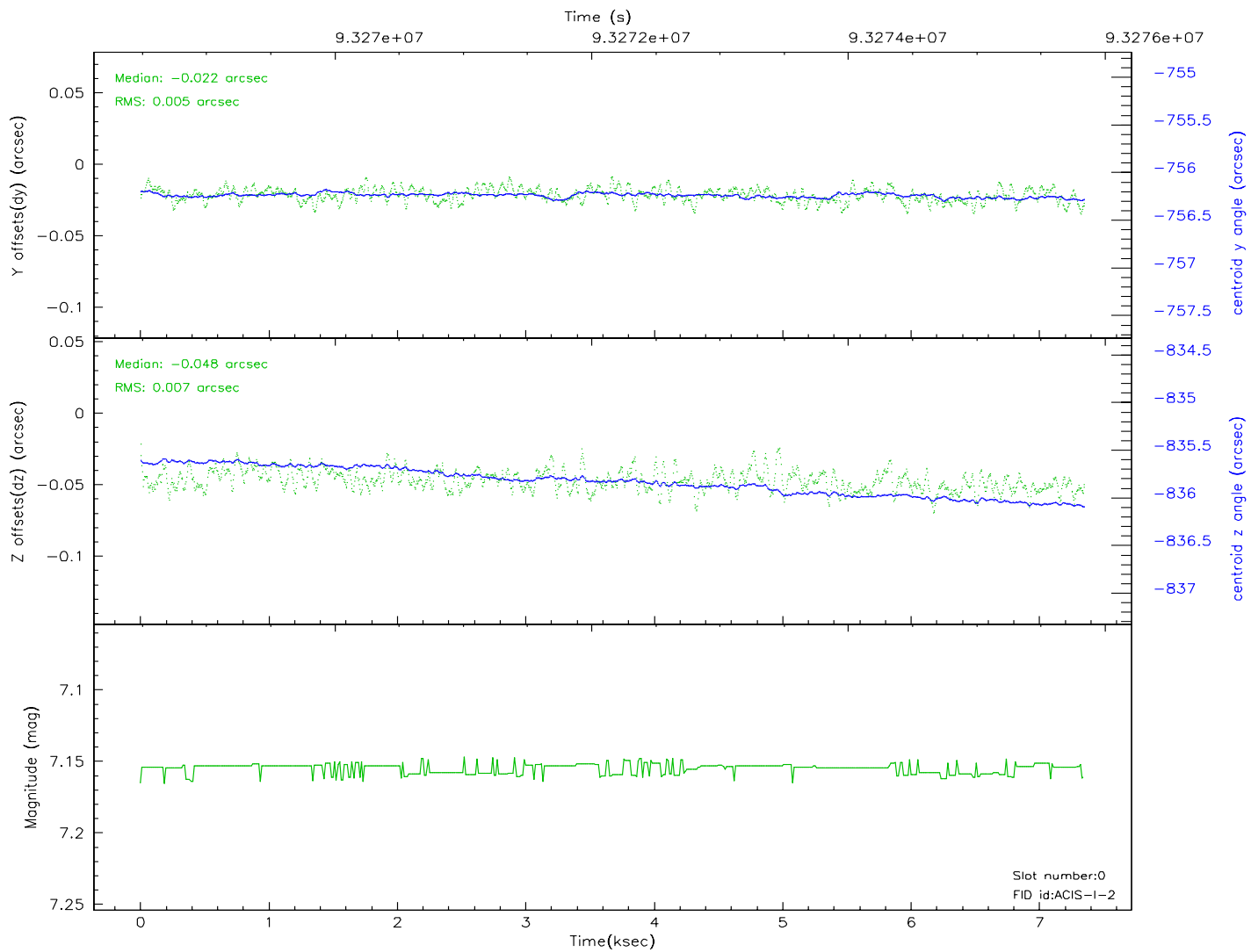
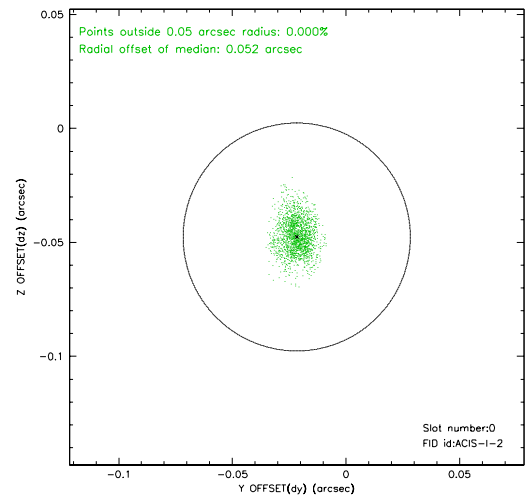
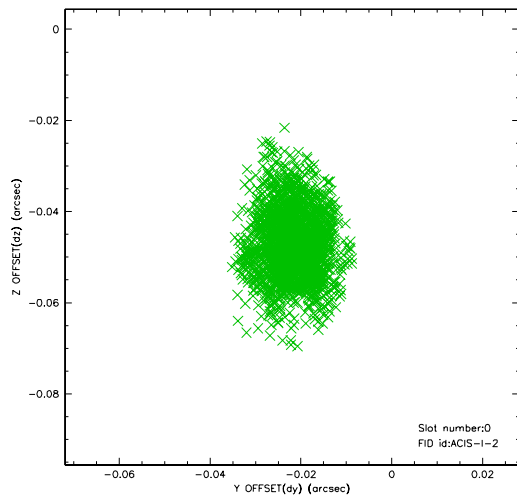


## 2.4.5 Slot 7

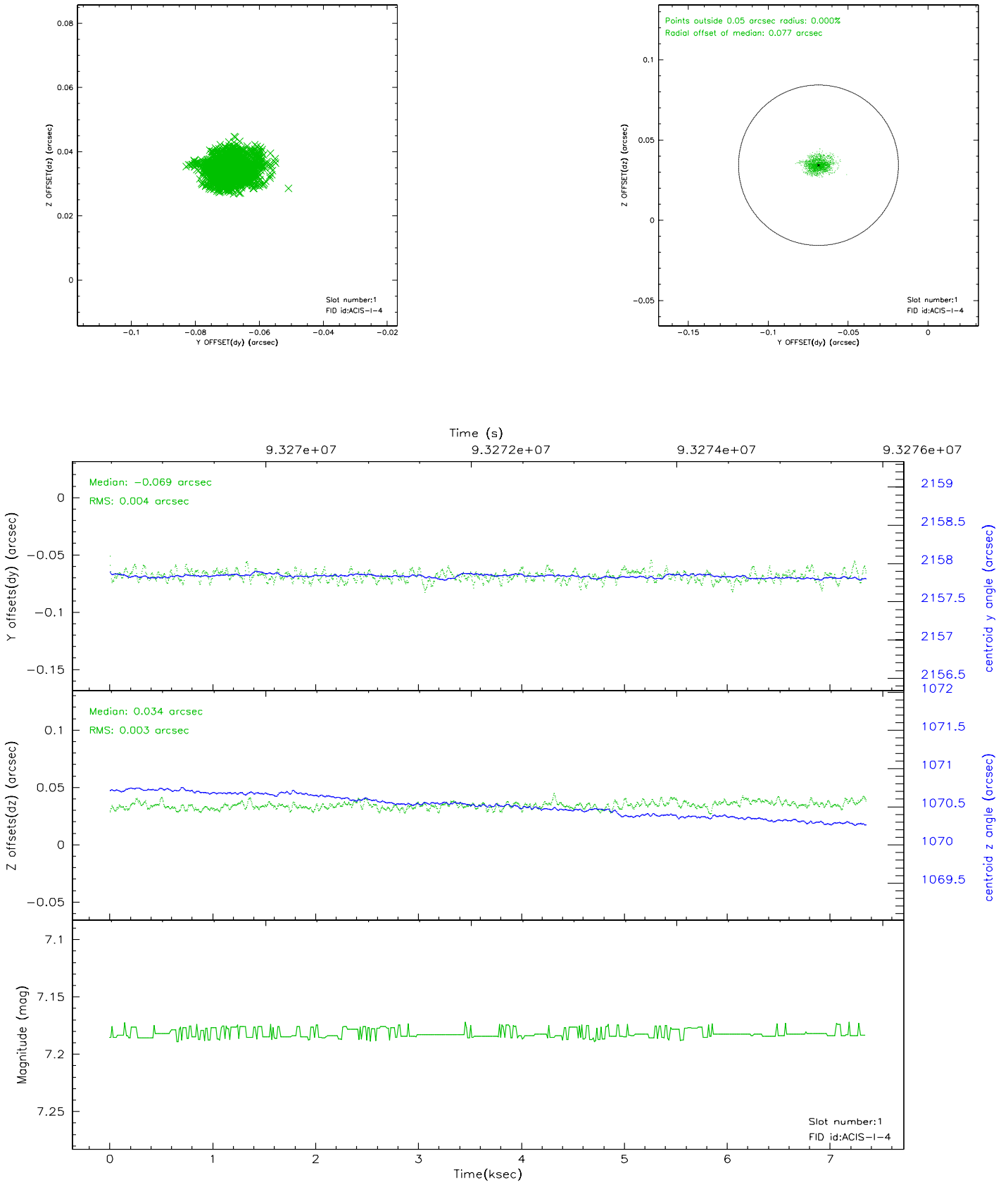


## 2.5 FID Slots

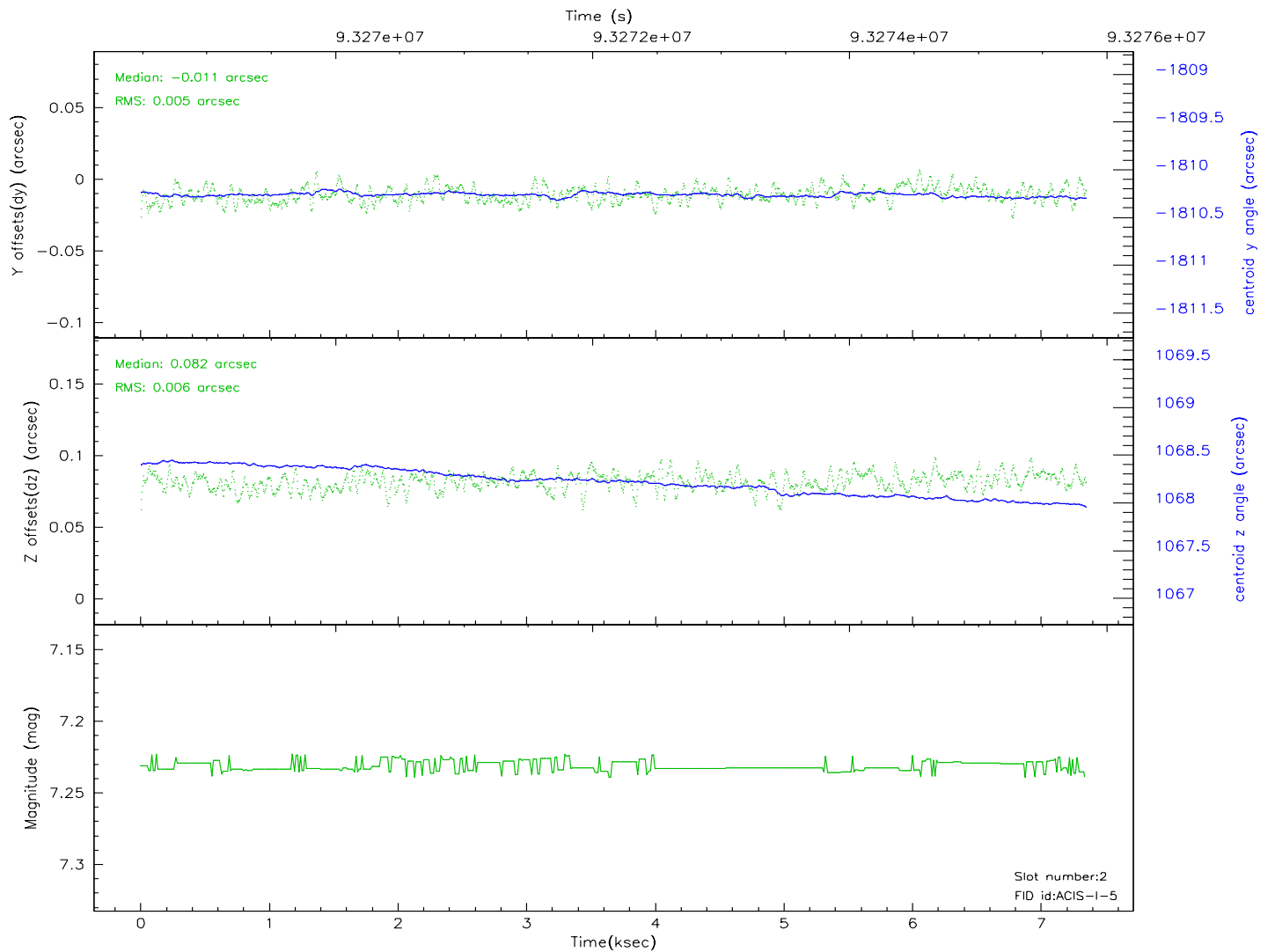
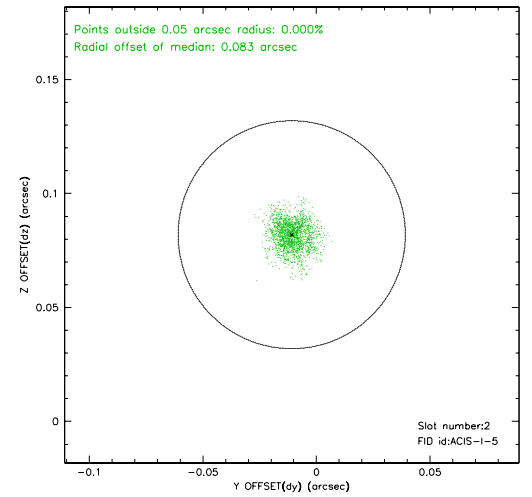
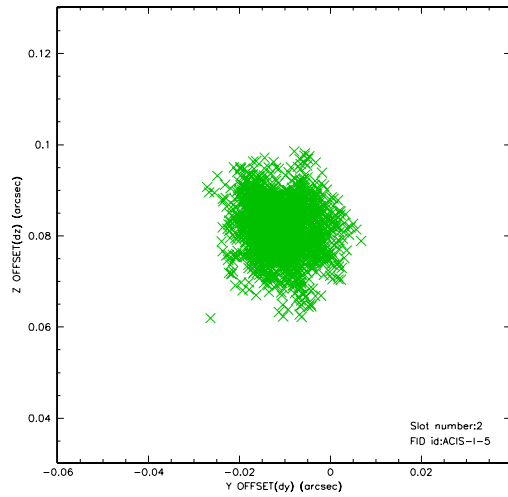
### 2.5.1 Slot 0



## 2.5.2 Slot 1

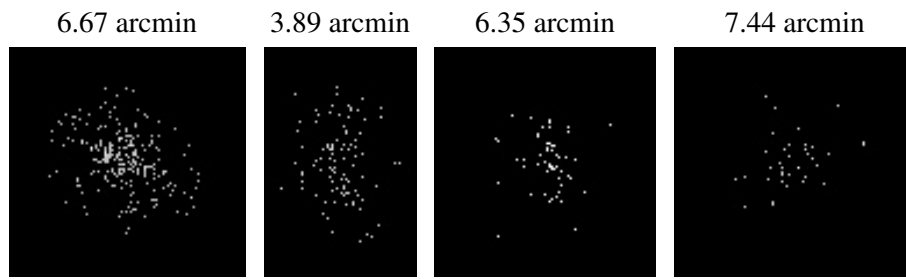


### 2.5.3 Slot 2





### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	7.34

## A.2 Comments

There are 2 observations with the obsid number 1313. They appear in separate spacecraft loads with these duplicate numbers. Because the 2 obsids used different instrument configurations, the telemetry file of the other obsid 1313 was edited to create a new obsid number, obsid 62866. This obsid retains the 1313 designation.