

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3205 - L2 Version 001  
Chandra X-Ray Center

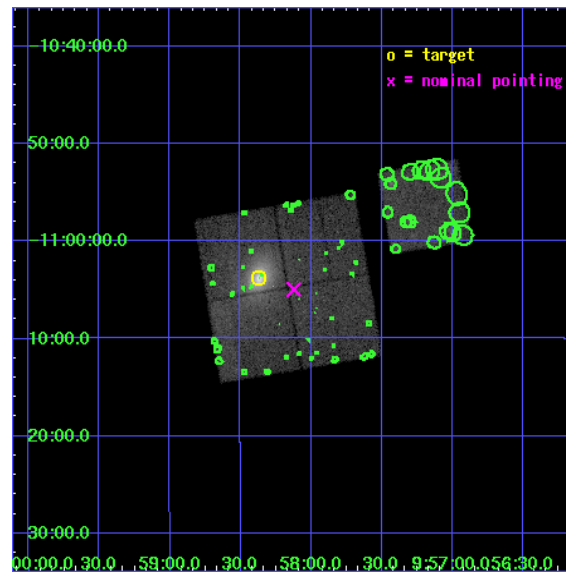
L2 Processing Date : Oct 12 2006

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# 1 Front

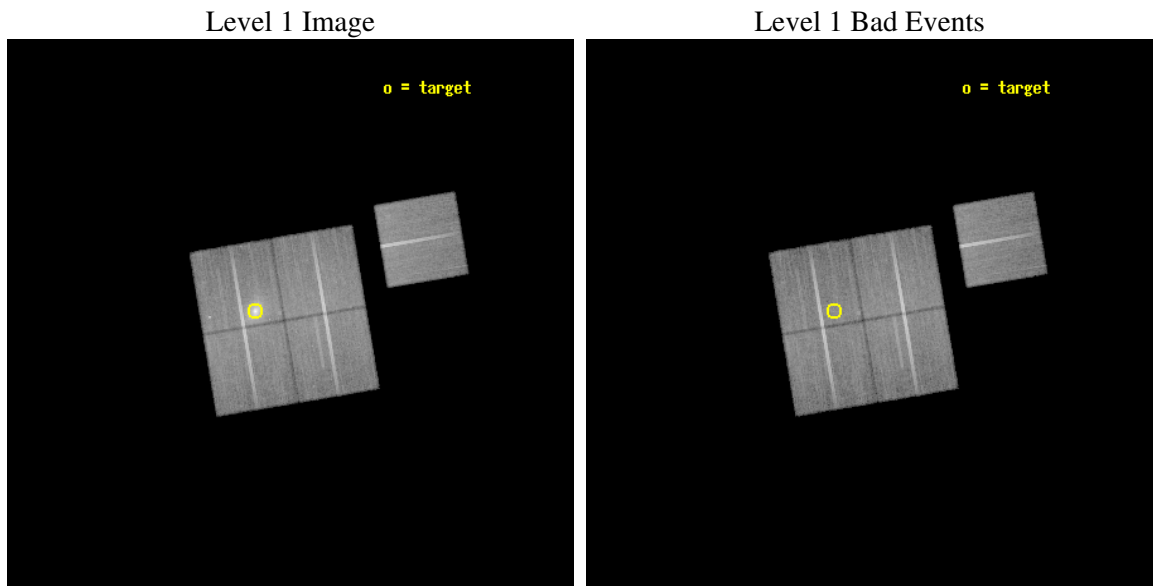
seq_num	800205
obs_id	3205
title	DETAILED STUDY OF CLUSTER A907
observer	DR. LEON VANSPEYBROECK
object	A907
dtcycle	0
cycle	P
ra_targ	149.592083
dec_targ	-11.063889
ra_nom	149.53028506925
dec_nom	-11.082912853067
roll_nom	80.421995085105
revision	3
ontime	47733.717977732
livetime	47110.041811301
ontime0	47733.717977732
ontime1	47730.577007562
ontime2	47736.858938009
ontime3	47727.43605724
ontime6	47739.999908209
l2events	171541



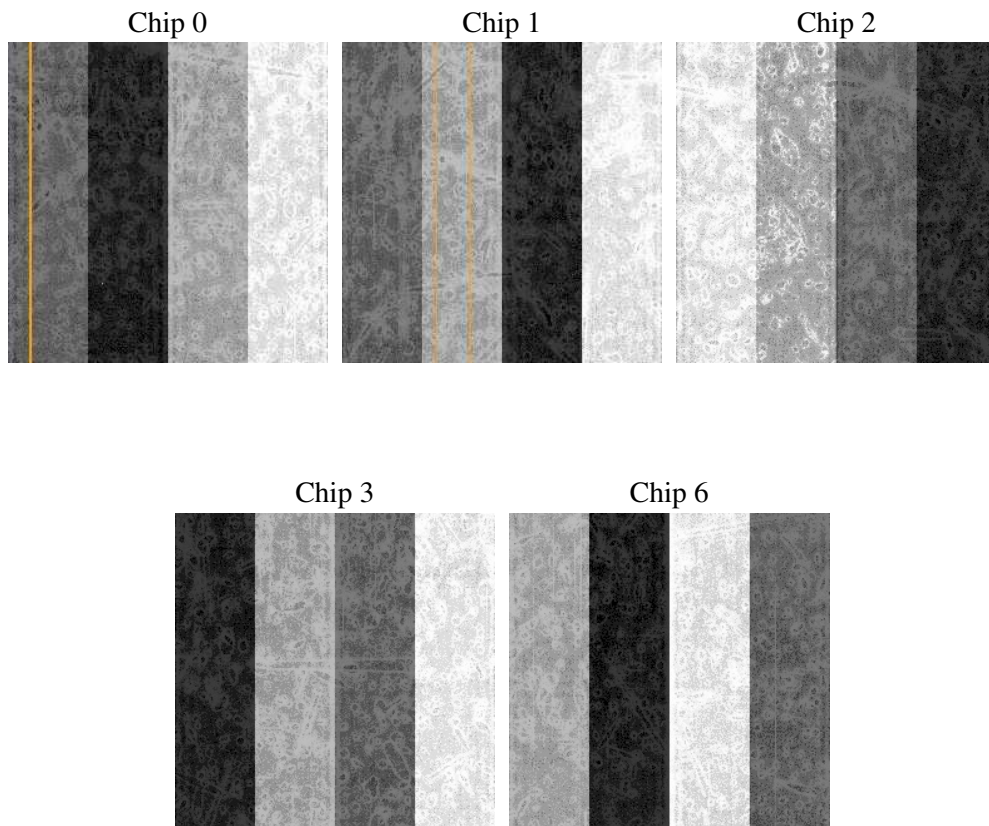
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-12T16:02:34
revision	3

sched_exp_time	47581.177000
ontime	47922.248421788
ontime0	47922.248421788
ontime1	47919.107451618
ontime2	47925.389382064
ontime3	47915.966501296
ontime6	47928.530322373
l1events	1334774

### 2.1.4 Events

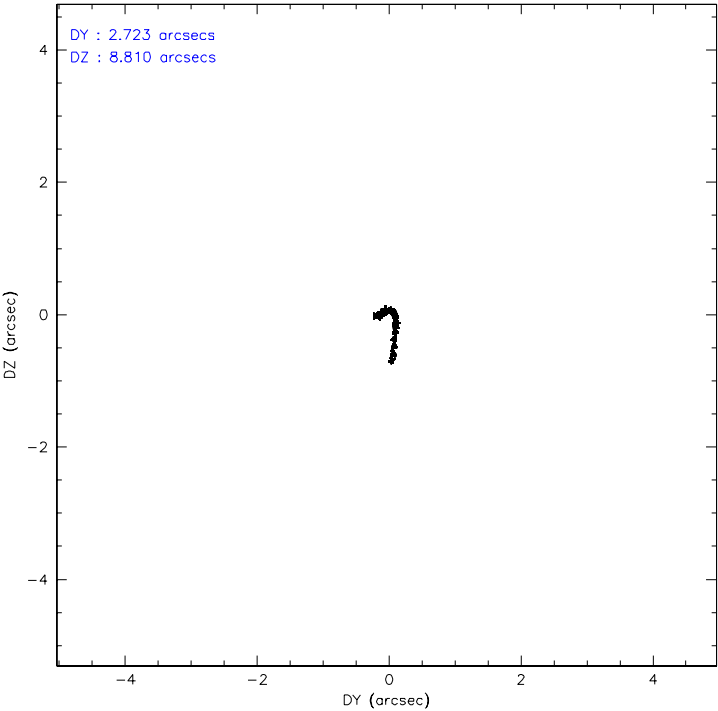
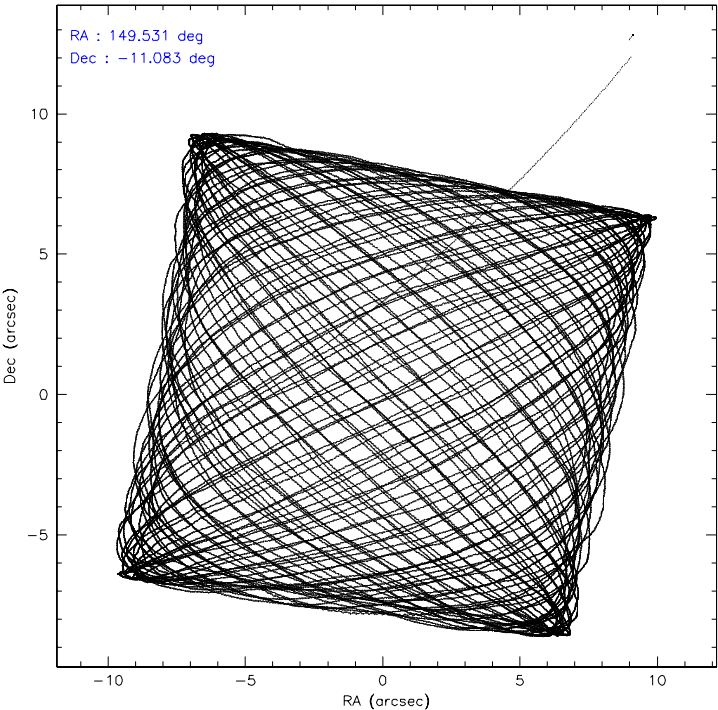
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	289194	255432	271462	257259	261427
rejected events	212667	220113	243347	230955	231208
rejected %	73%	86%	89%	89%	88%

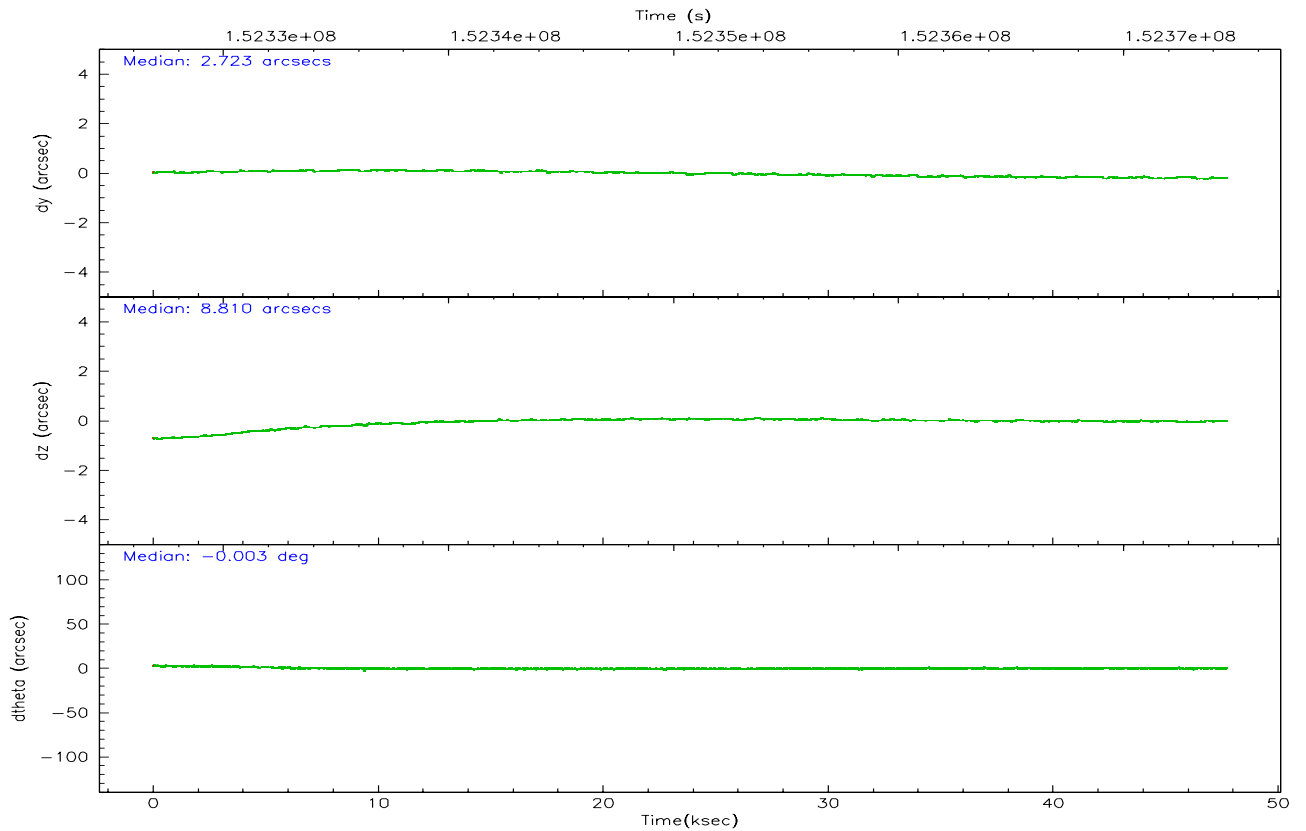
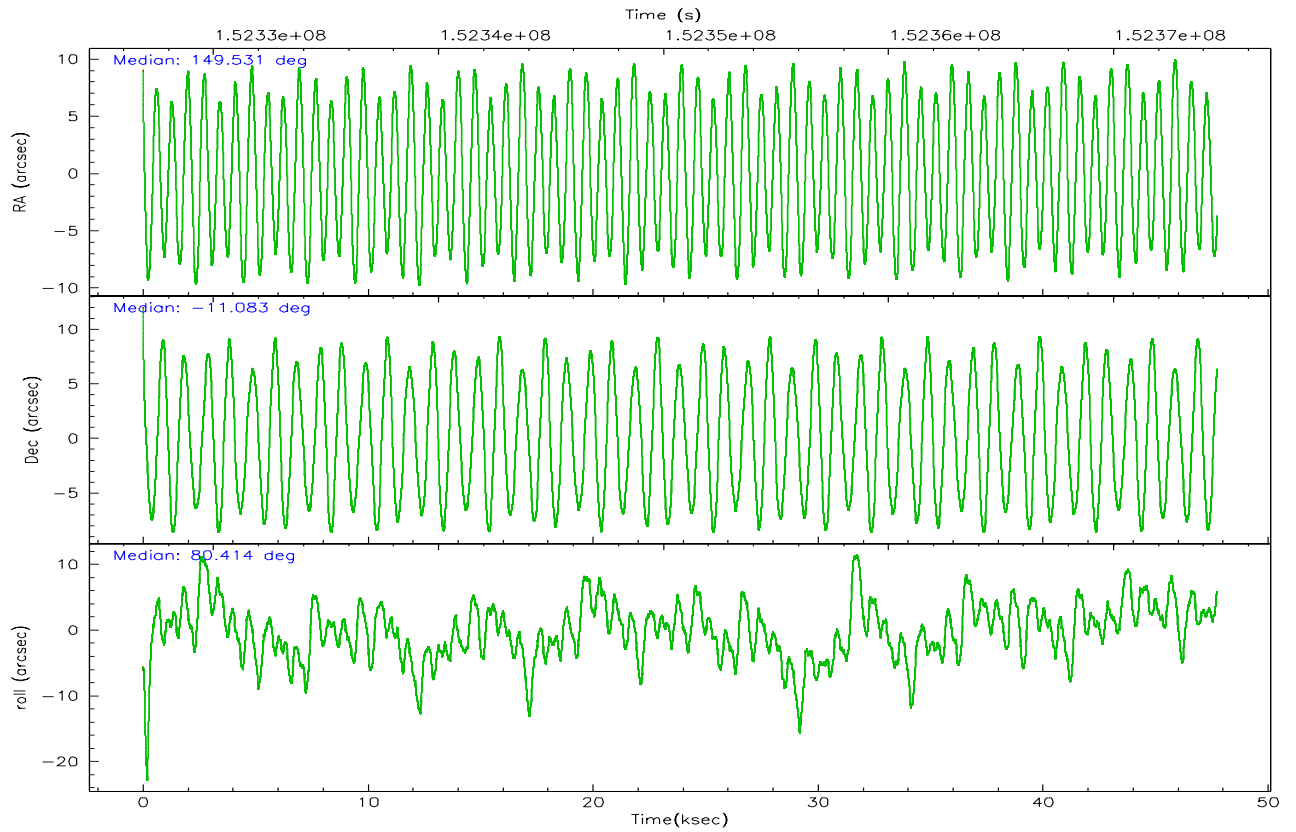
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	51069	16296	11863	10613	12800
	17%	6%	4%	4%	4%
grade 1 events	343	151	126	120	112
	0%	0%	0%	0%	0%
grade 2 events	10736	6524	5938	5242	5869
	3%	2%	2%	2%	2%
grade 3 events	4554	3435	2806	2870	3143
	1%	1%	1%	1%	1%
grade 4 events	4351	3457	2857	2758	3057
	1%	1%	1%	1%	1%
grade 5 events	8737	9245	8196	9608	9586
	3%	3%	3%	3%	3%
grade 6 events	6094	5718	4743	4919	5481
	2%	2%	1%	1%	2%
grade 7 events	203310	210606	234933	221129	221379
	70%	82%	86%	85%	84%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	149.540122	149.5302850692527	Subarray requested	NONE	NONE
Pointing Dec	-11.108550	-11.0829128530669	Alternating exposures requested	N	N
Pointing Roll	80.215204	80.42199508510492	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	152327020.184000	152325946.94055			
Observation start date	2002-10-30T01:02:36	2002-10-30T00:45:46			
Observation end time	152374601.184000	152374915.80509			
Observation end date	2002-10-30T14:15:37	2002-10-30T14:21:55			
Read mode	TIMED	TIMED			

2.3 Aspect



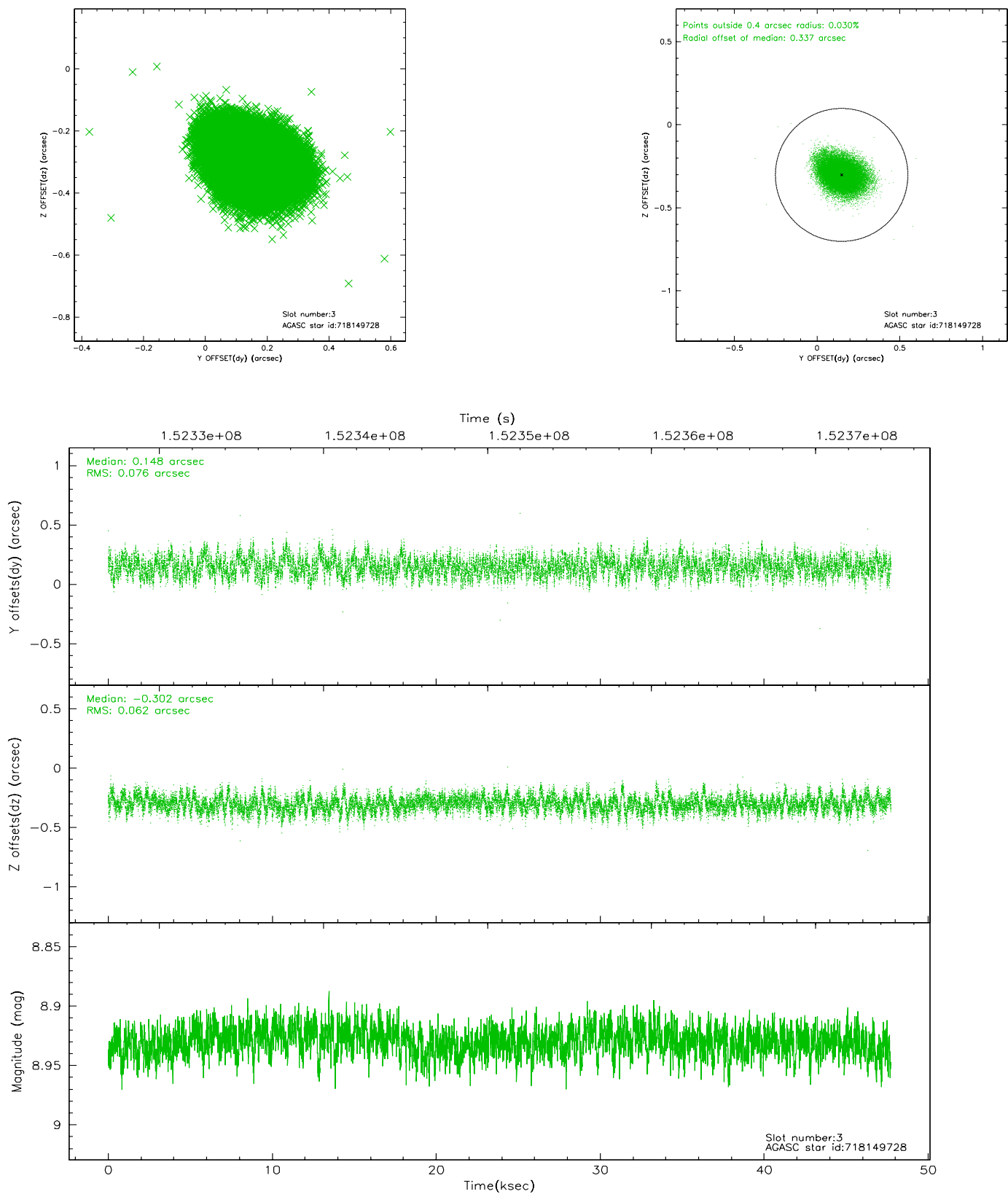


### Slot Statistics

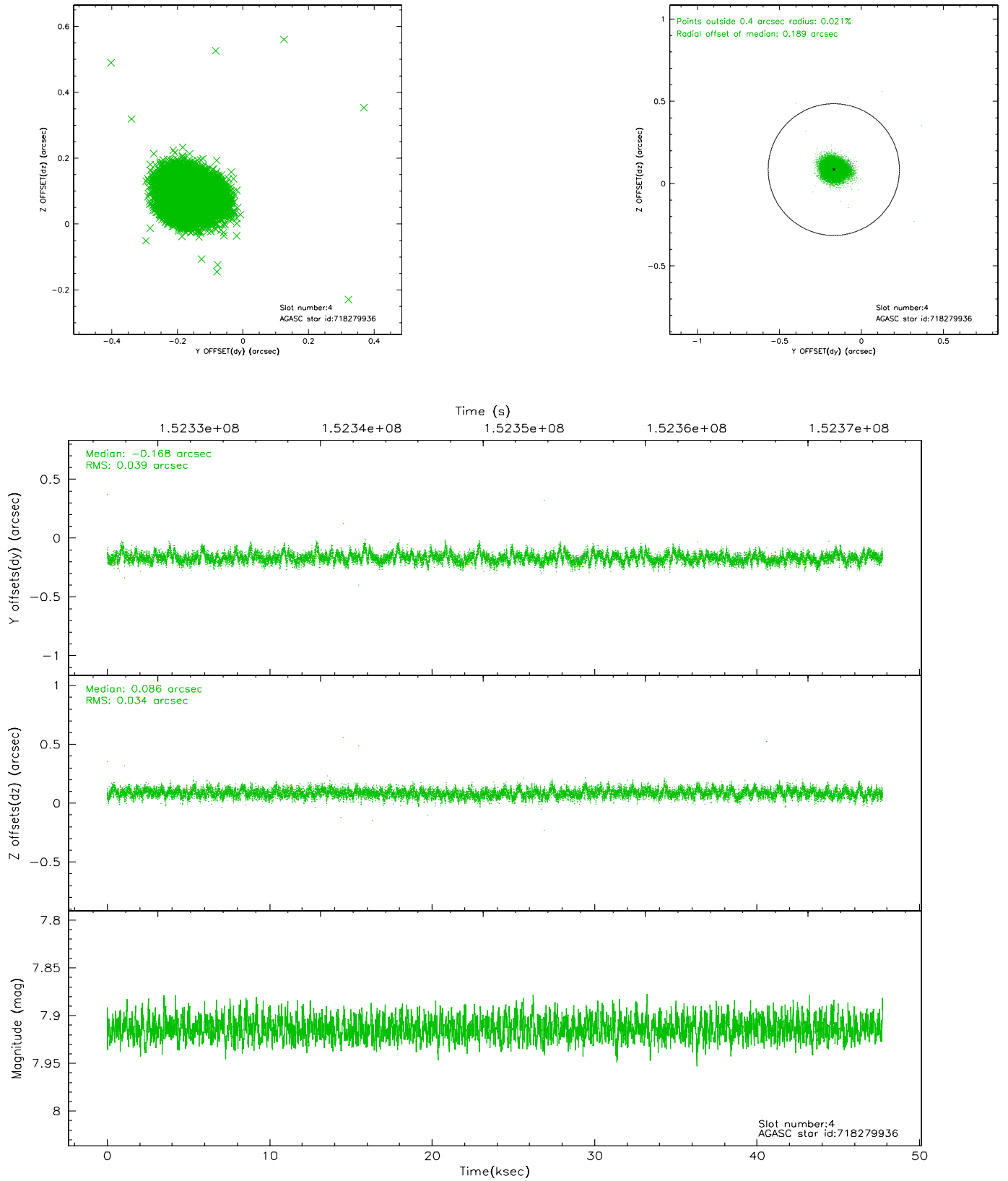
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11642	-0.061	0.046	0.009	0.021	0.000000	0.000000	937.06	-832.12
1	FID	ACIS-I-5	7.24	11644	0.001	0.004	0.009	0.021	0.000000	0.000000	-1811.03	1065.29
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	718149728	8.93	23271	0.148	-0.302	0.105	0.167	148.975070	-11.248777	-838.95	1880.37
4	GUIDE	718279936	7.91	23286	-0.168	0.086	0.054	0.089	149.904611	-10.701814	1660.82	-1020.75
5	GUIDE	718281768	10.05	23158	-0.168	0.202	0.161	0.261	150.129572	-11.020734	663.24	-1998.23
6	GUIDE	718800120	10.14	23201	0.287	-0.173	0.137	0.246	149.381456	-11.604958	-1856.50	247.86
7	GUIDE	718283520	9.96	23255	-0.106	0.188	0.130	0.213	150.184567	-10.907017	1099.38	-2120.97

## 2.4 Star Slots

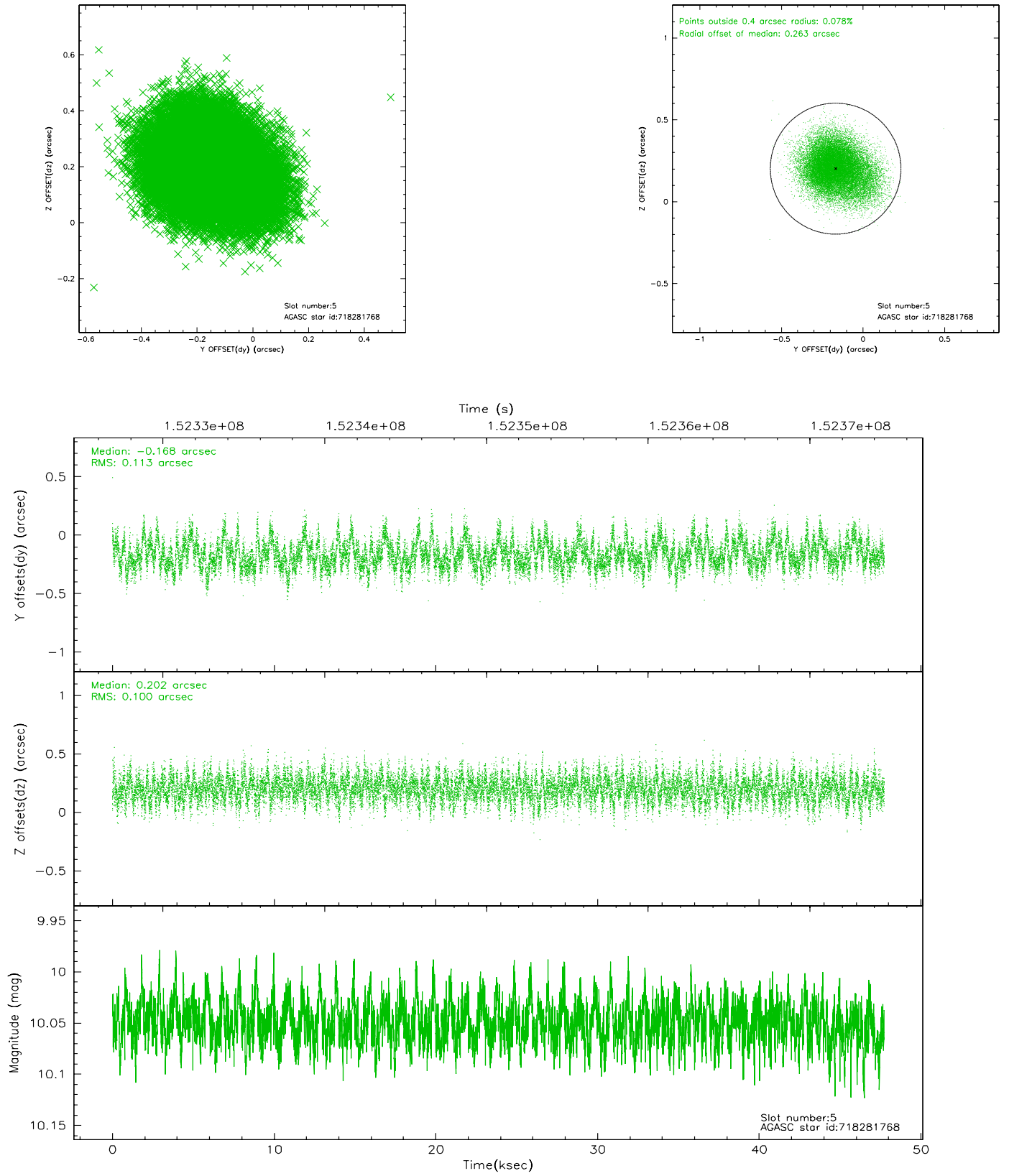
### 2.4.1 Slot 3



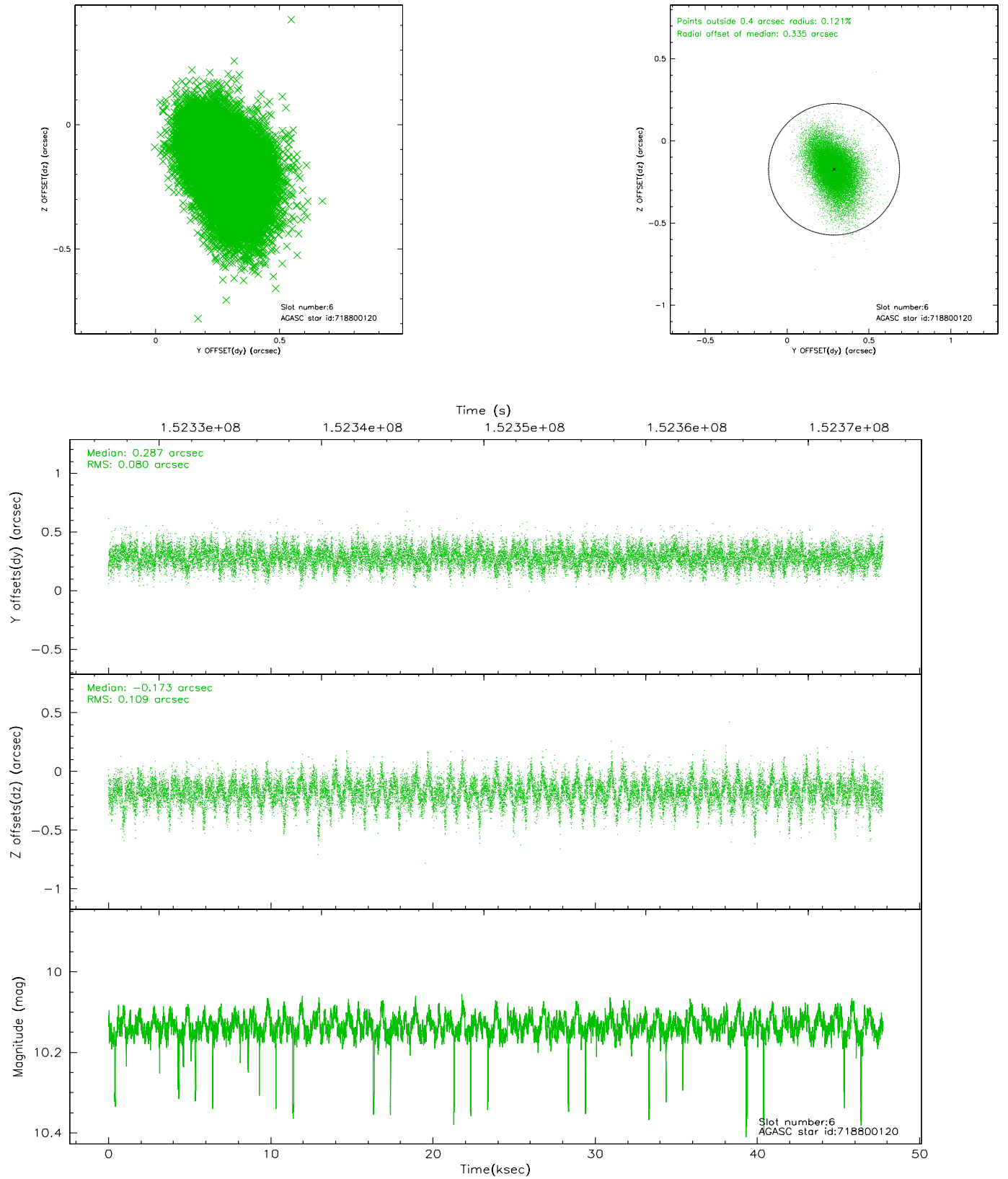
## 2.4.2 Slot 4



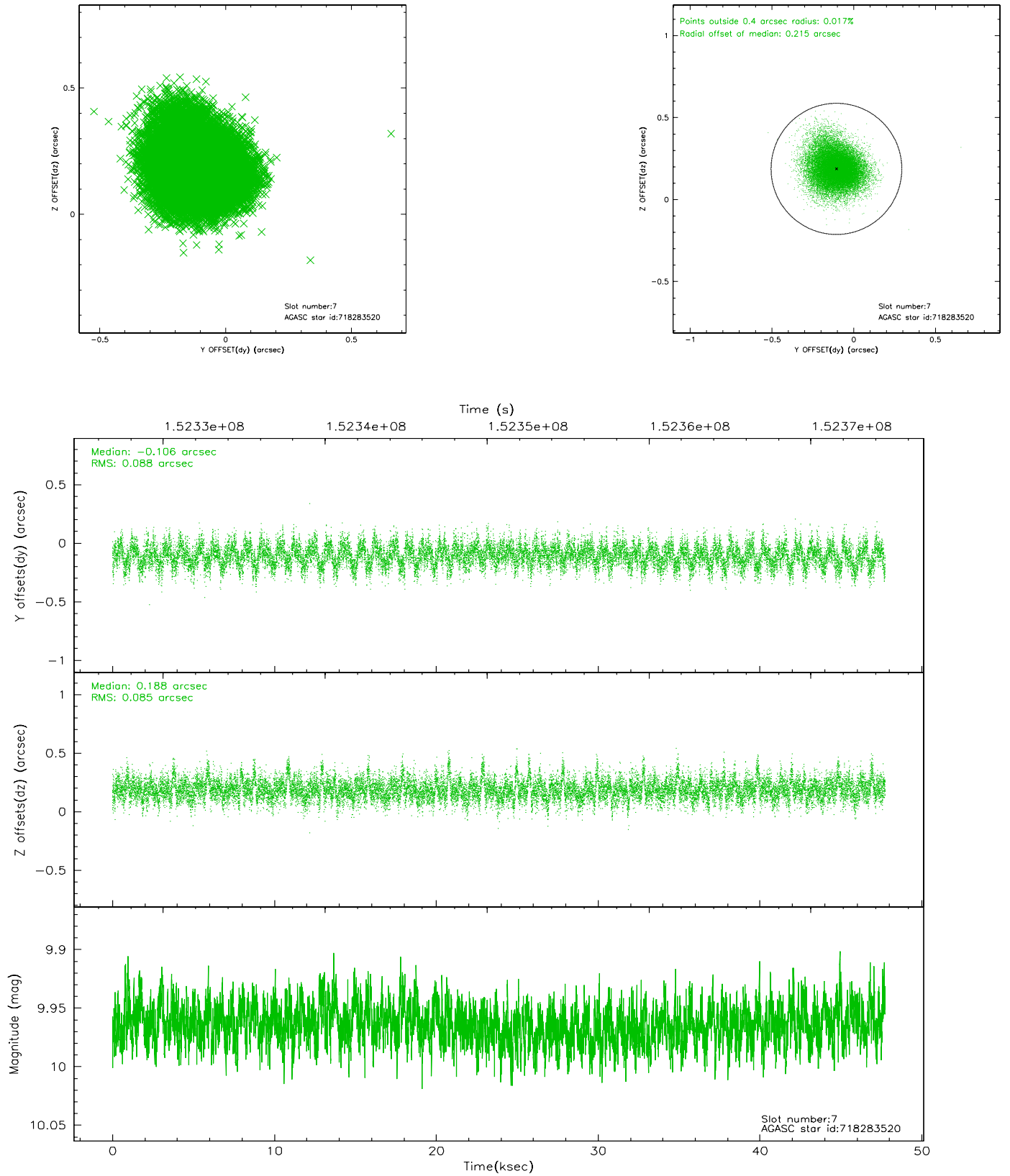
### 2.4.3 Slot 5



## 2.4.4 Slot 6

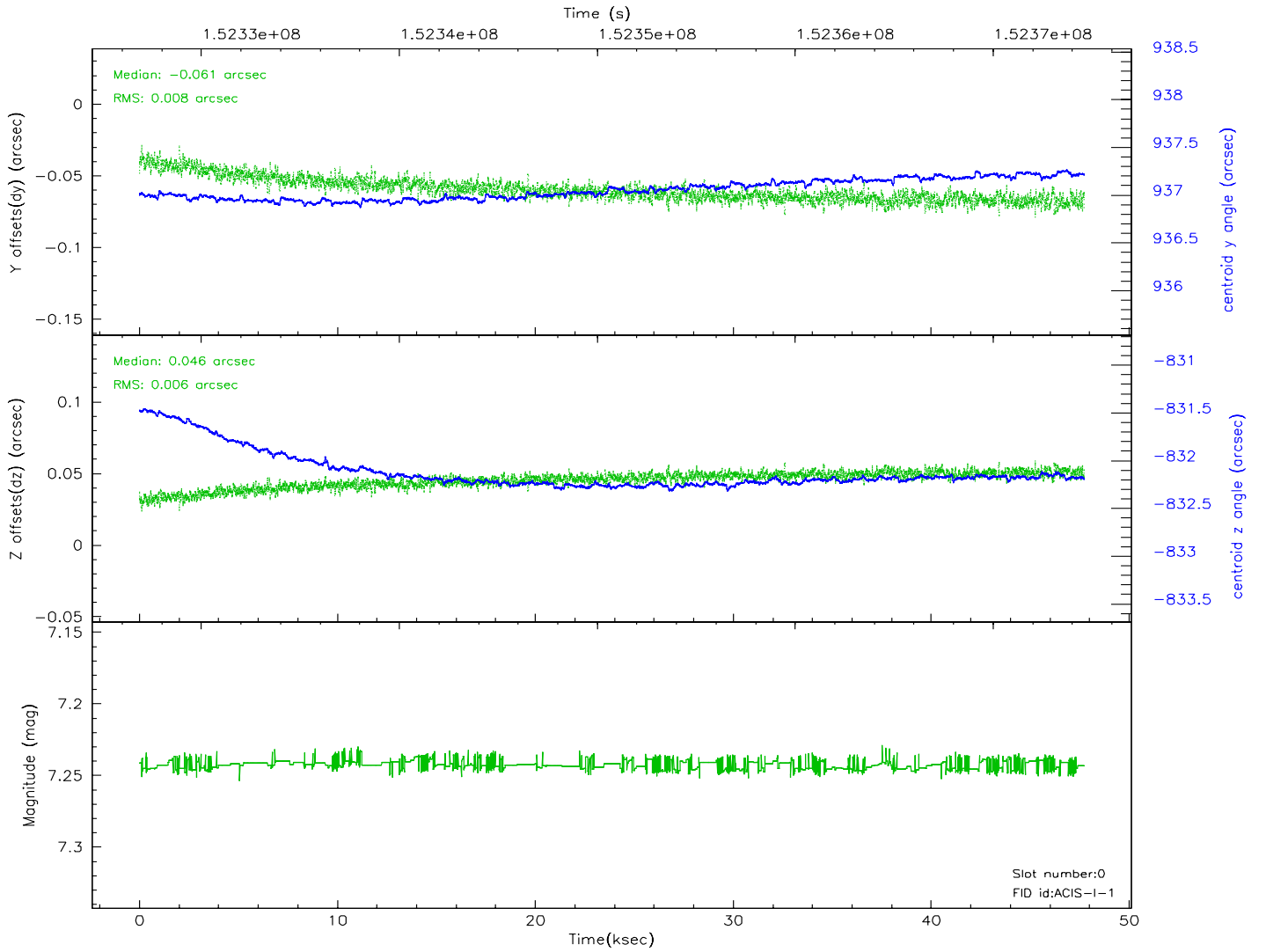
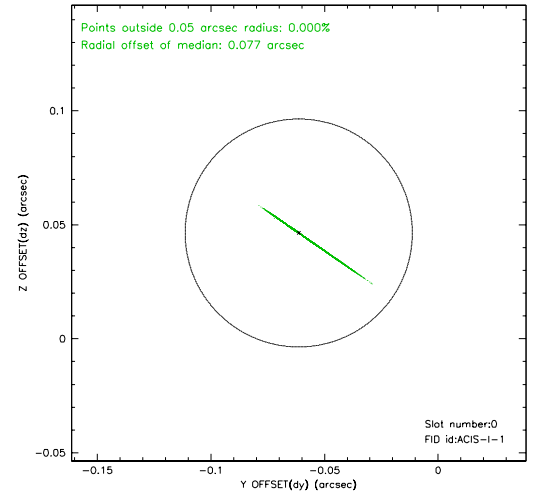
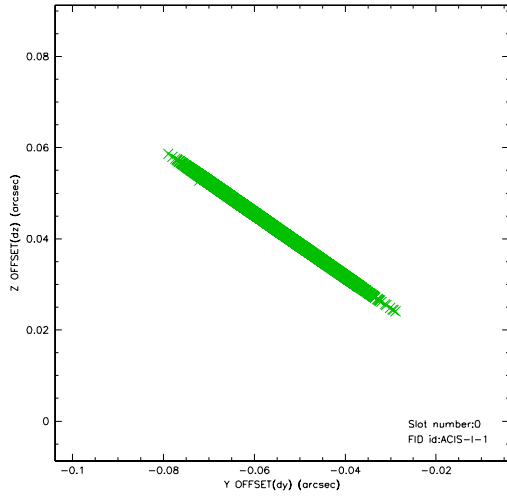


## 2.4.5 Slot 7

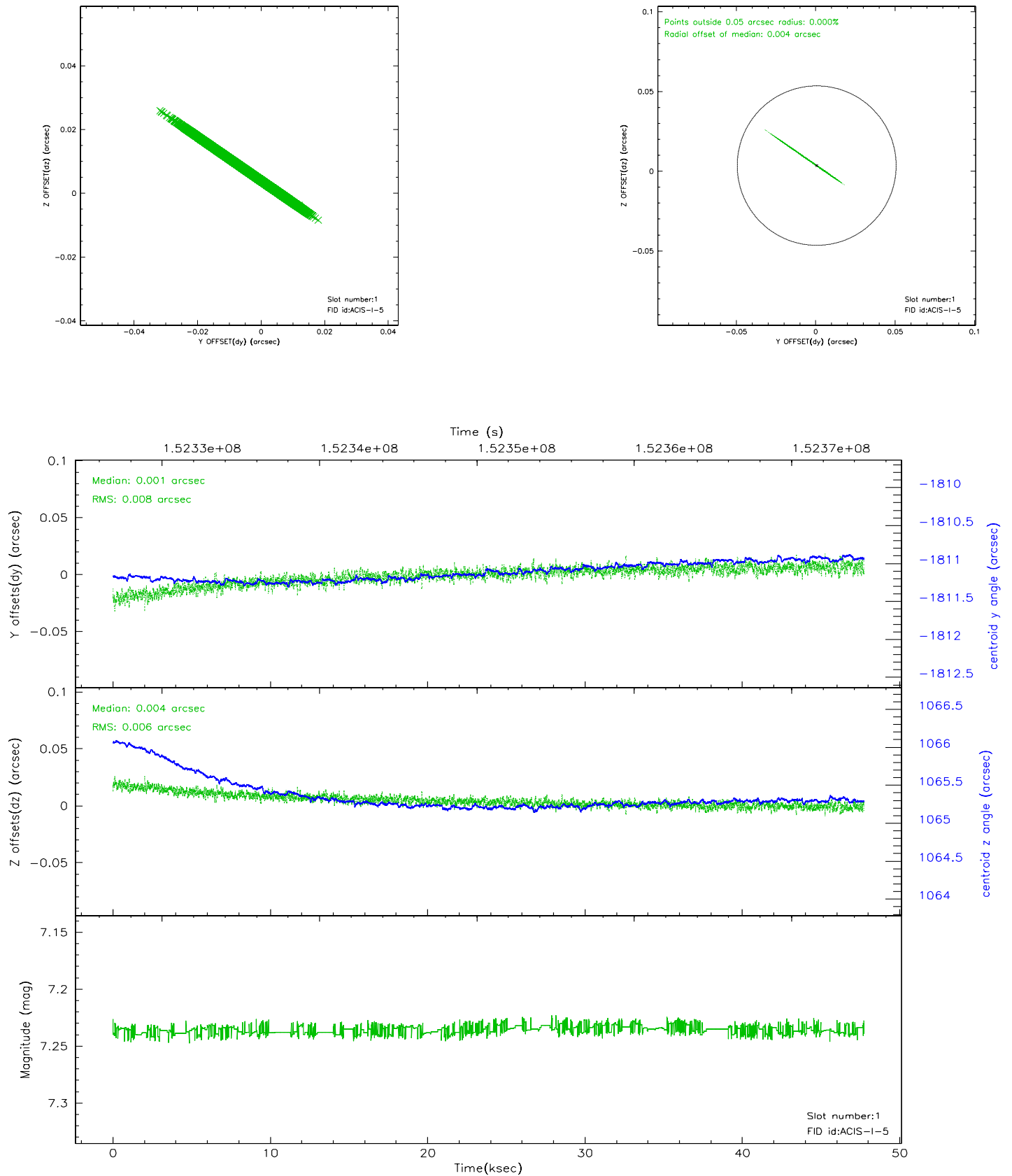


## 2.5 FID Slots

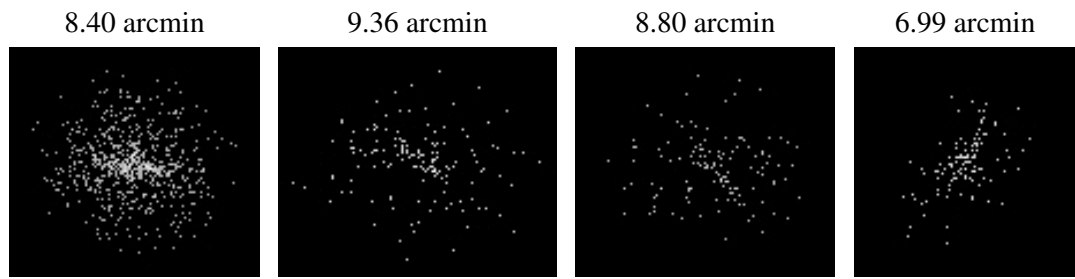
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	47.733

### A.2 Comments

The fid light in slot 2 was manually excluded from the processing due to poor data quality.