

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3428 - L2 Version 001  
Chandra X-Ray Center

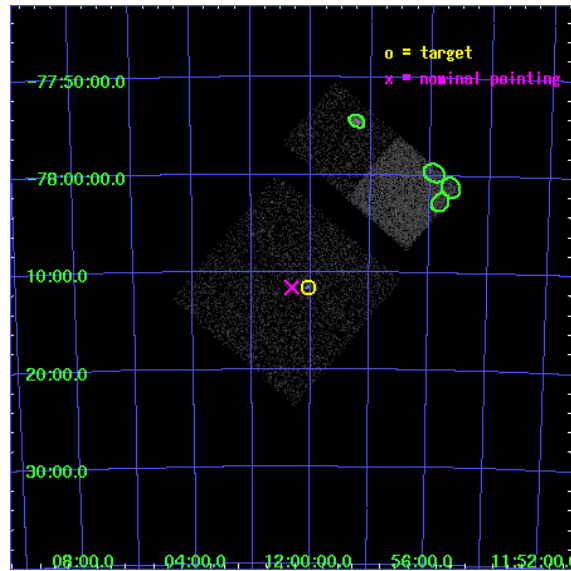
L2 Processing Date : Aug 31 2006

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# 1 Front

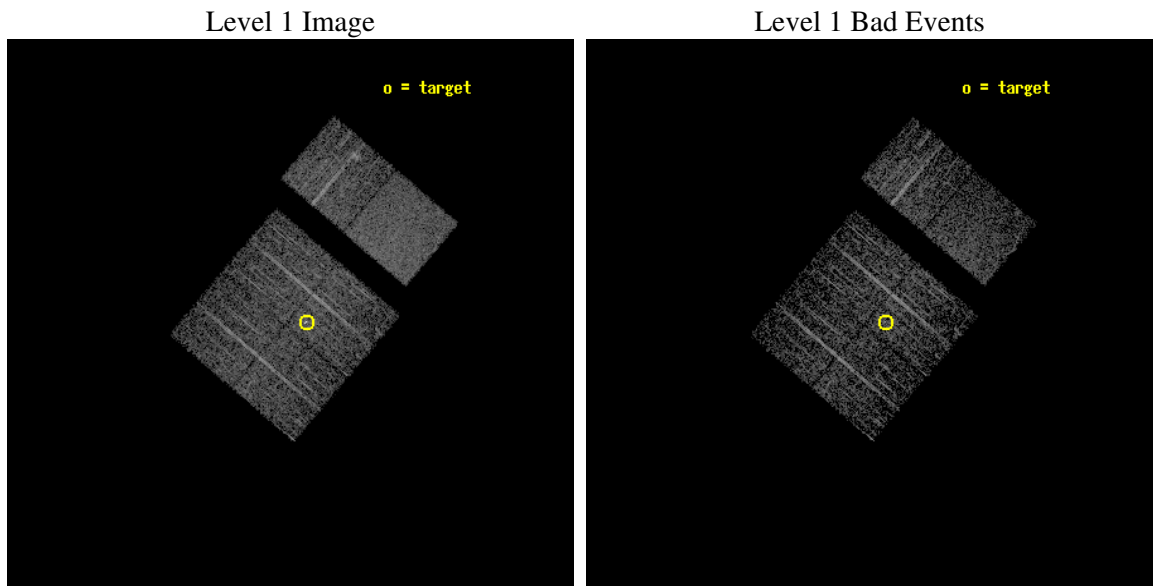
seq_num	200087
obs_id	3428
title	OBSERVATION OF SCO-CEN OUTLYERS
observer	Professor Gordon Garmire
object	HD104237
dtcycle	0
cycle	P
ra_targ	180.02125
dec_targ	-78.193056
ra_nom	180.15826084037
dec_nom	-78.193567804015
roll_nom	40.488506268333
revision	3
ontime	2860.8000026643
livetime	2824.5748304636
ontime0	2860.8000026643
ontime1	2860.8000026643
ontime2	2860.8000026643
ontime3	2860.8000026643
ontime6	2860.8000026643
ontime7	2860.8000026643
l2events	19163



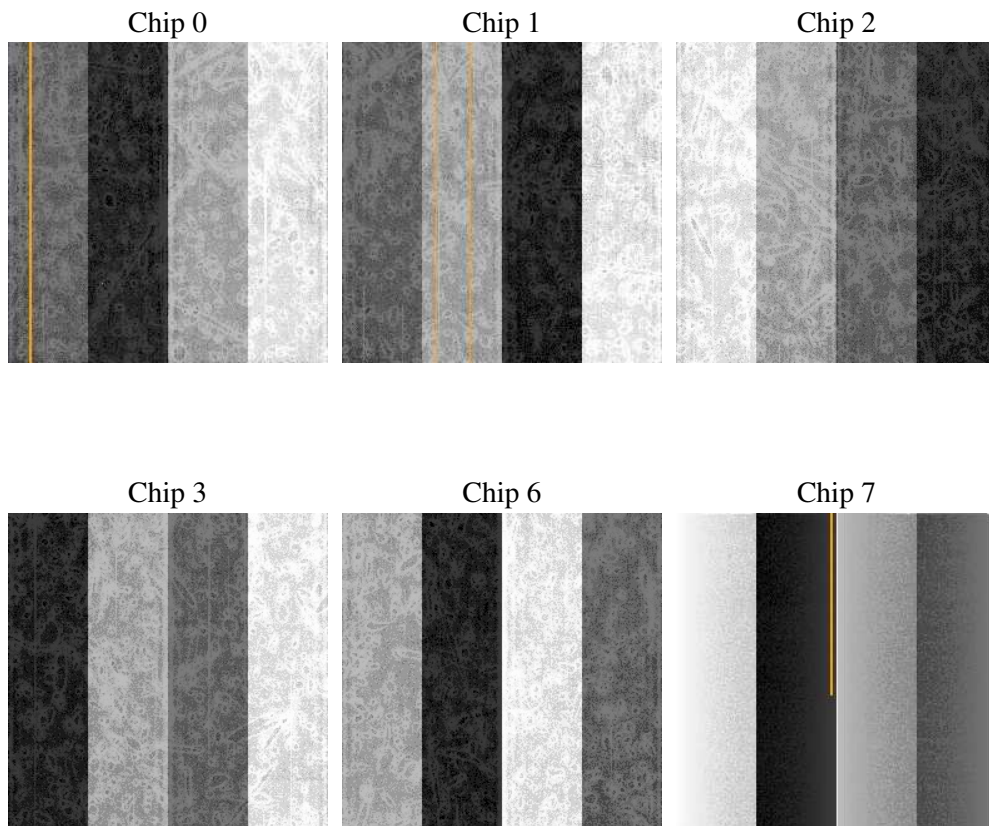
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-31T04:36:59
revision	3

sched_exp_time	2900.000000
ontime	2865.0421956629
ontime0	2865.0421956629
ontime1	2865.0421956629
ontime2	2865.0421956629
ontime3	2865.0421956629
ontime6	2865.0421757251
ontime7	2865.0421956629
l1events	112950

### 2.1.4 Events

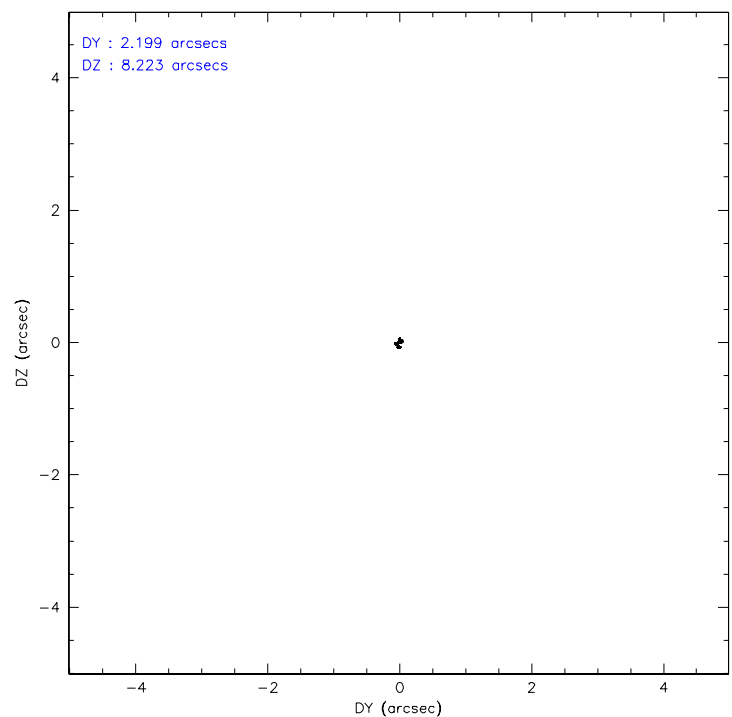
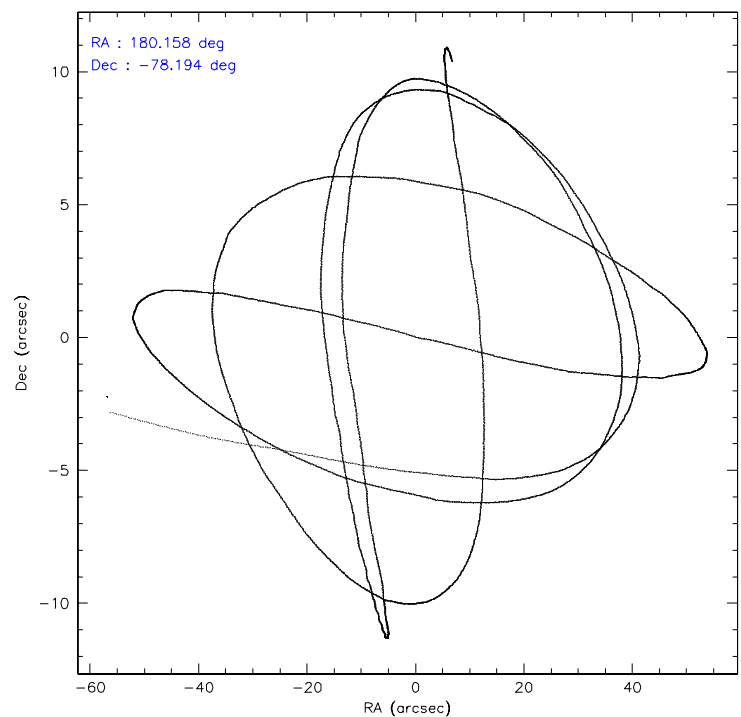
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	15654	16561	18045	19346	19844	23500
rejected events	13509	14368	15882	16366	17310	14547
rejected %	86%	86%	88%	84%	87%	61%

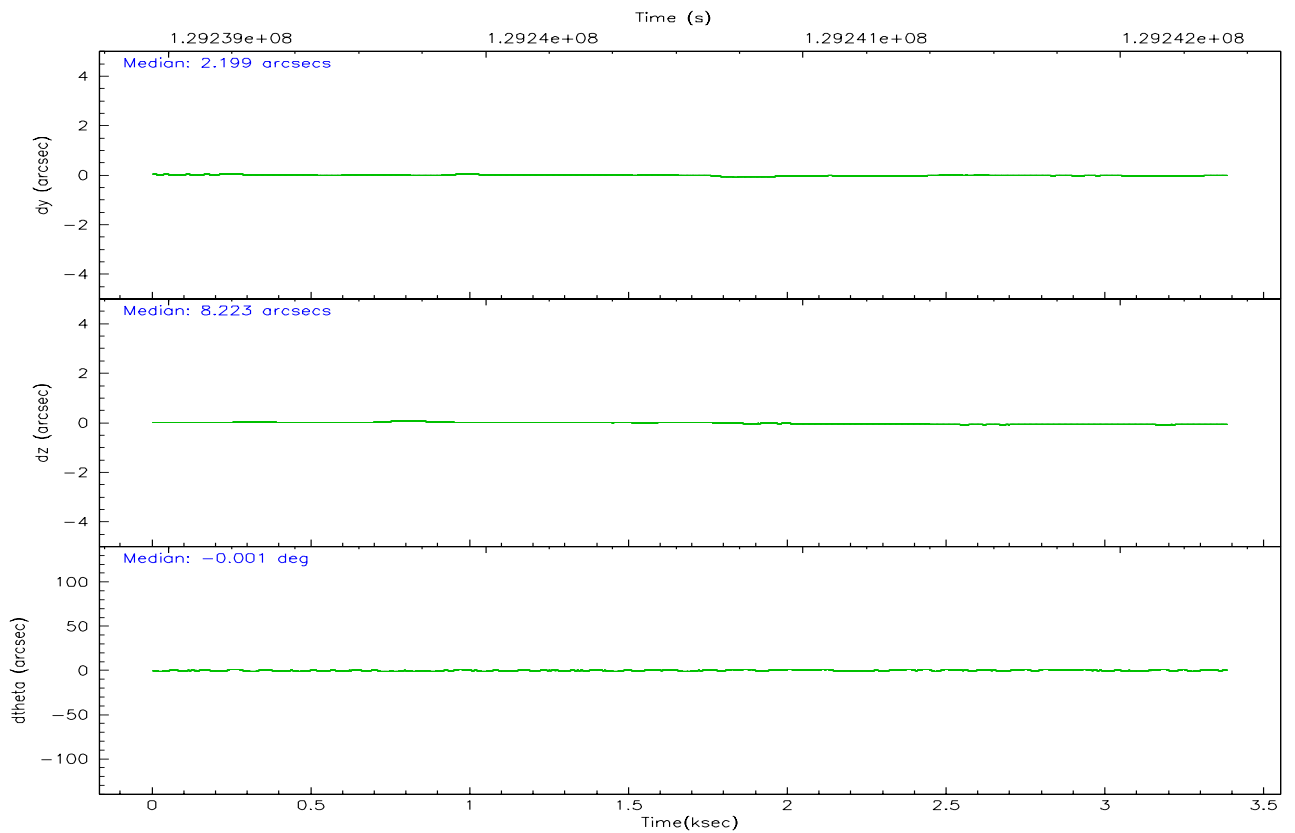
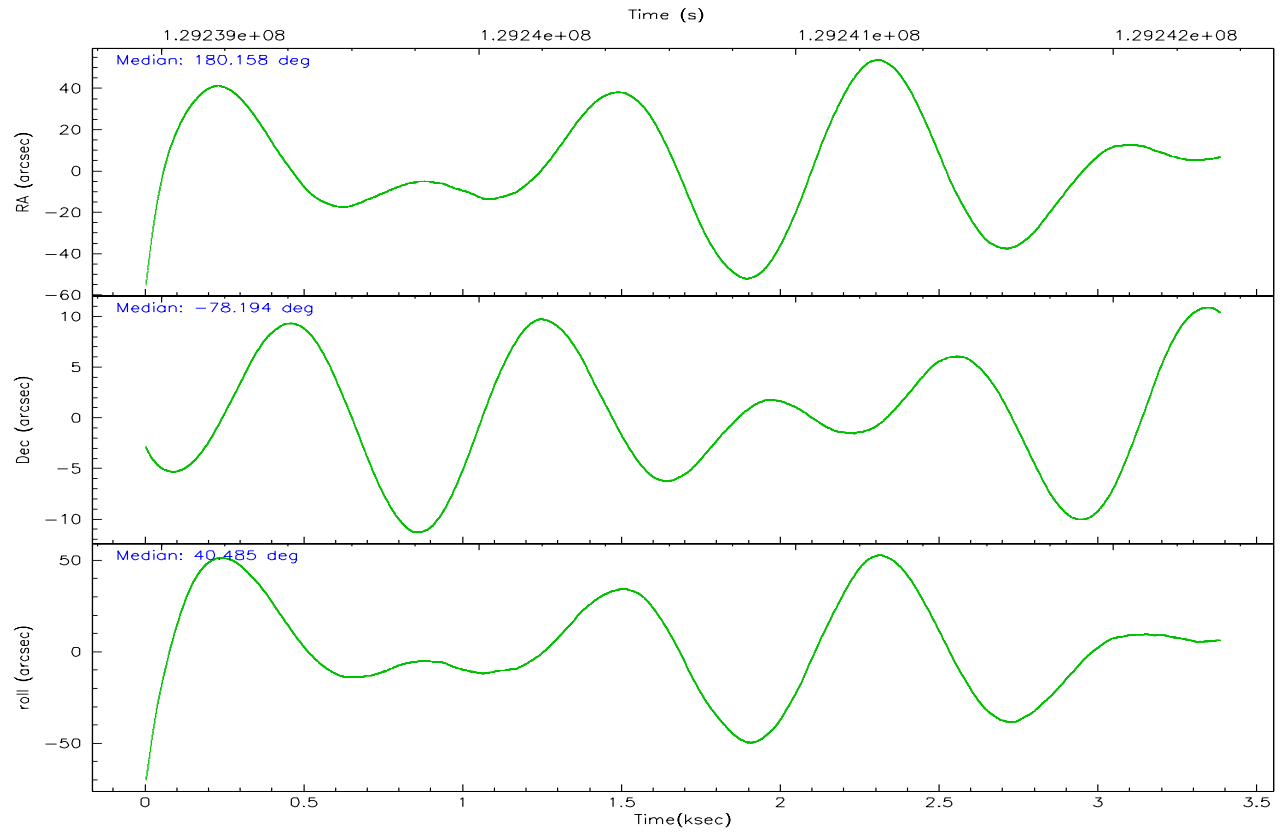
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	905	856	875	1514	1218	519
	5%	5%	4%	7%	6%	2%
grade 1 events	7	9	8	52	9	13
	0%	0%	0%	0%	0%	0%
grade 2 events	456	448	503	561	453	2144
	2%	2%	2%	2%	2%	9%
grade 3 events	221	231	213	251	245	495
	1%	1%	1%	1%	1%	2%
grade 4 events	197	223	191	242	217	450
	1%	1%	1%	1%	1%	1%
grade 5 events	668	717	657	723	790	1598
	4%	4%	3%	3%	3%	6%
grade 6 events	372	438	383	421	411	5360
	2%	2%	2%	2%	2%	22%
grade 7 events	12828	13639	15215	15582	16501	12921
	81%	82%	84%	80%	83%	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	180.113366	180.1582608403708	Alternating exposures requested	N	N
Pointing Dec	-78.219492	-78.19356780401505	Primary exposure time	0.000000	3.2
Pointing Roll	40.235966	40.48850626833274			
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	129239436.184000	129238318.6329			
Observation start date	2002-02-04T19:49:32	2002-02-04T19:31:58			
Observation end time	129242336.184000	129242638.49557			
Observation end date	2002-02-04T20:37:52	2002-02-04T20:43:58			
Read mode	TIMED	TIMED			

## 2.3 Aspect





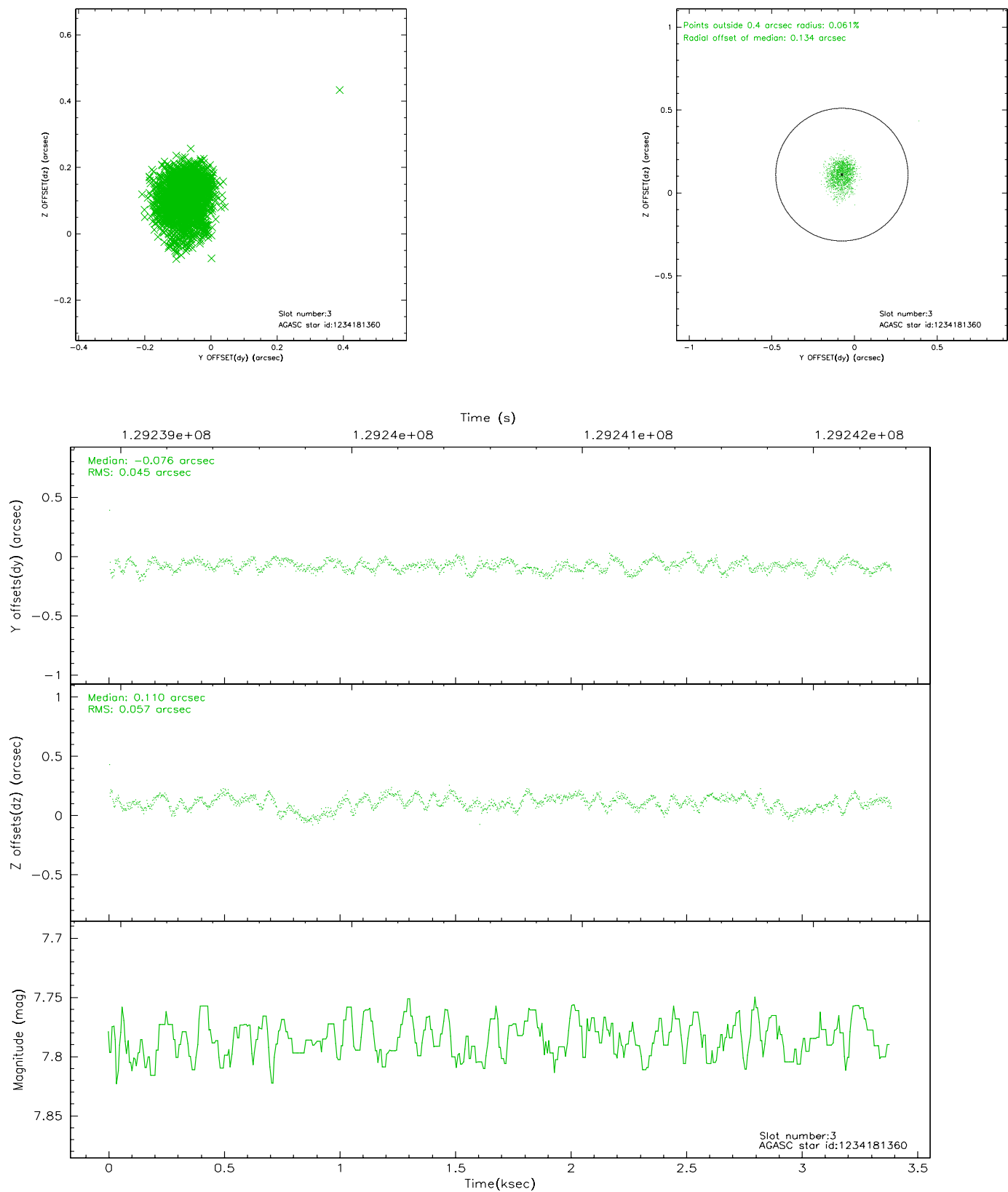
### Slot Statistics

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	825	-0.063	0.103	0.006	0.010	0.000000	0.000000	937.55	-831.54
1	FID	ACIS-I-5	7.23	826	0.018	0.021	0.006	0.009	0.000000	0.000000	-1809.41	1064.96
2	FID	ACIS-I-6	7.26	825	-0.046	-0.053	0.006	0.010	0.000000	0.000000	401.11	1711.49
3	GUIDE	1234181360	7.79	1651	-0.076	0.110	0.076	0.122	181.773022	-78.741114	-333.65	-2199.66
4	GUIDE	1234045984	8.07	1651	0.137	-0.346	0.080	0.132	176.913419	-77.887125	-1114.98	2421.90
5	GUIDE	1234182136	9.05	1651	-0.044	0.019	0.074	0.140	182.214909	-78.100241	1448.68	-699.81
6	GUIDE	1234064464	9.63	1650	0.140	0.040	0.098	0.178	177.668275	-78.583073	-2198.09	97.53
7	GUIDE	1234188728	10.47	1647	-0.154	0.160	0.213	0.472	183.477363	-78.072777	2202.57	-1267.35

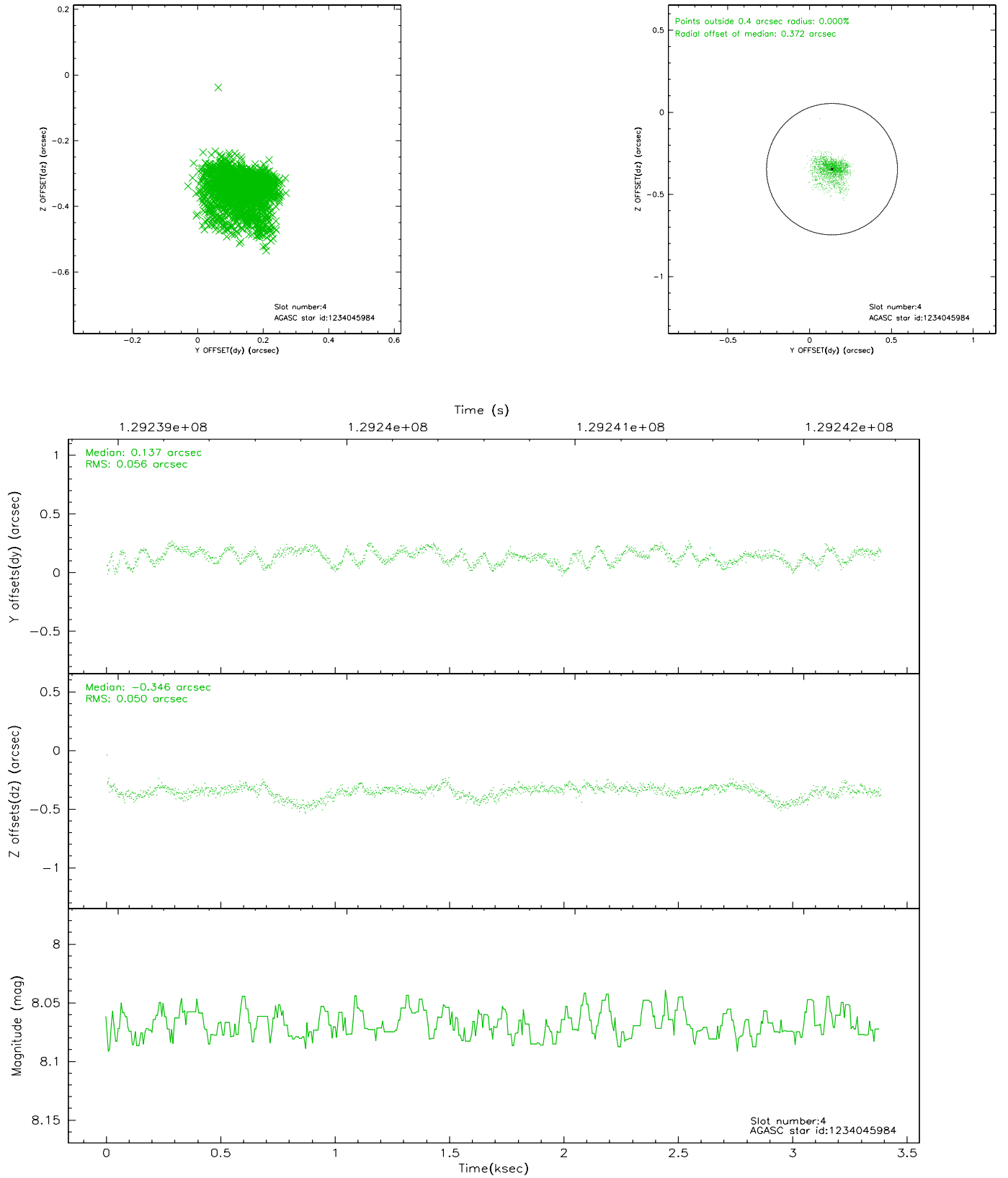


## 2.4 Star Slots

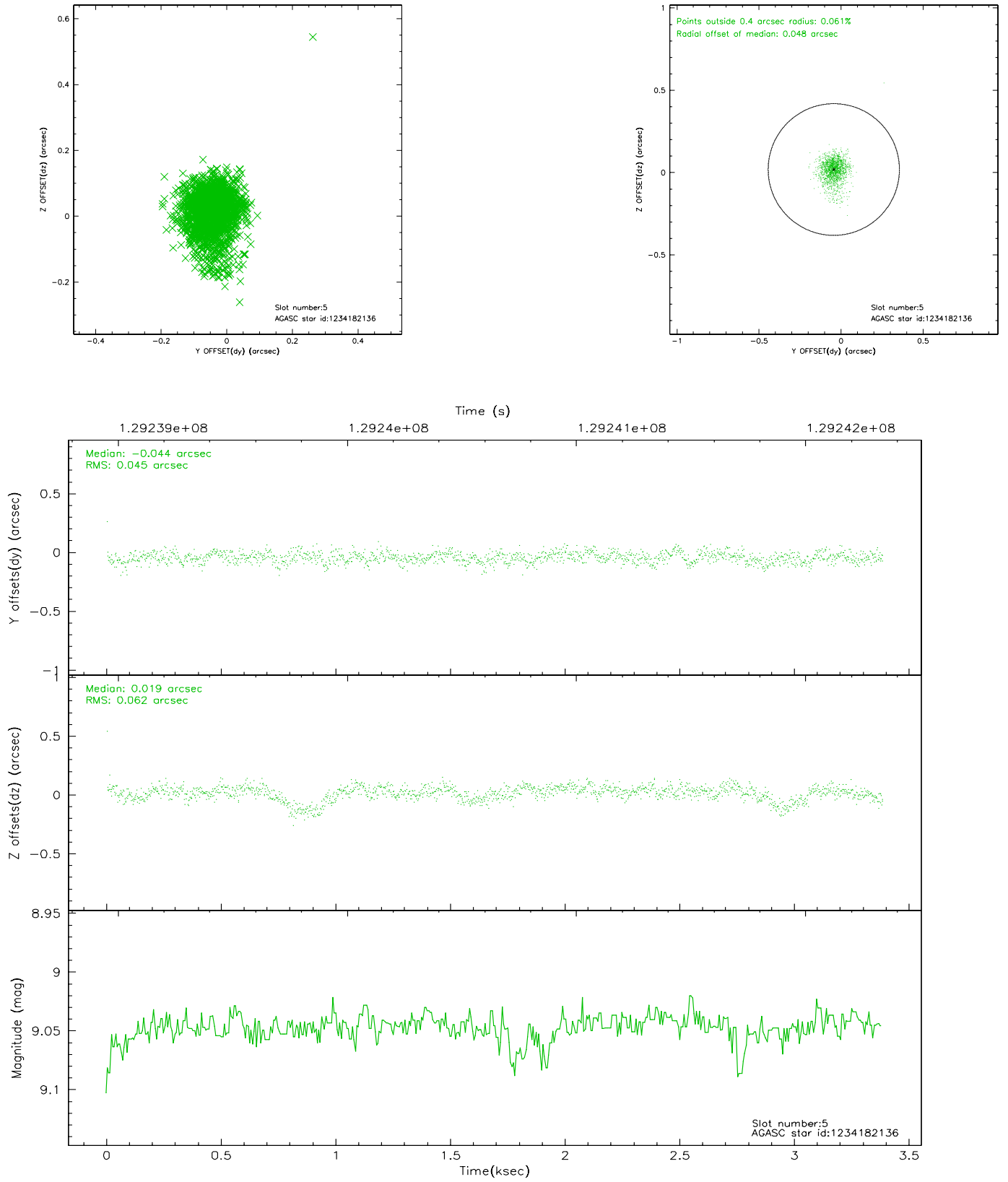
### 2.4.1 Slot 3



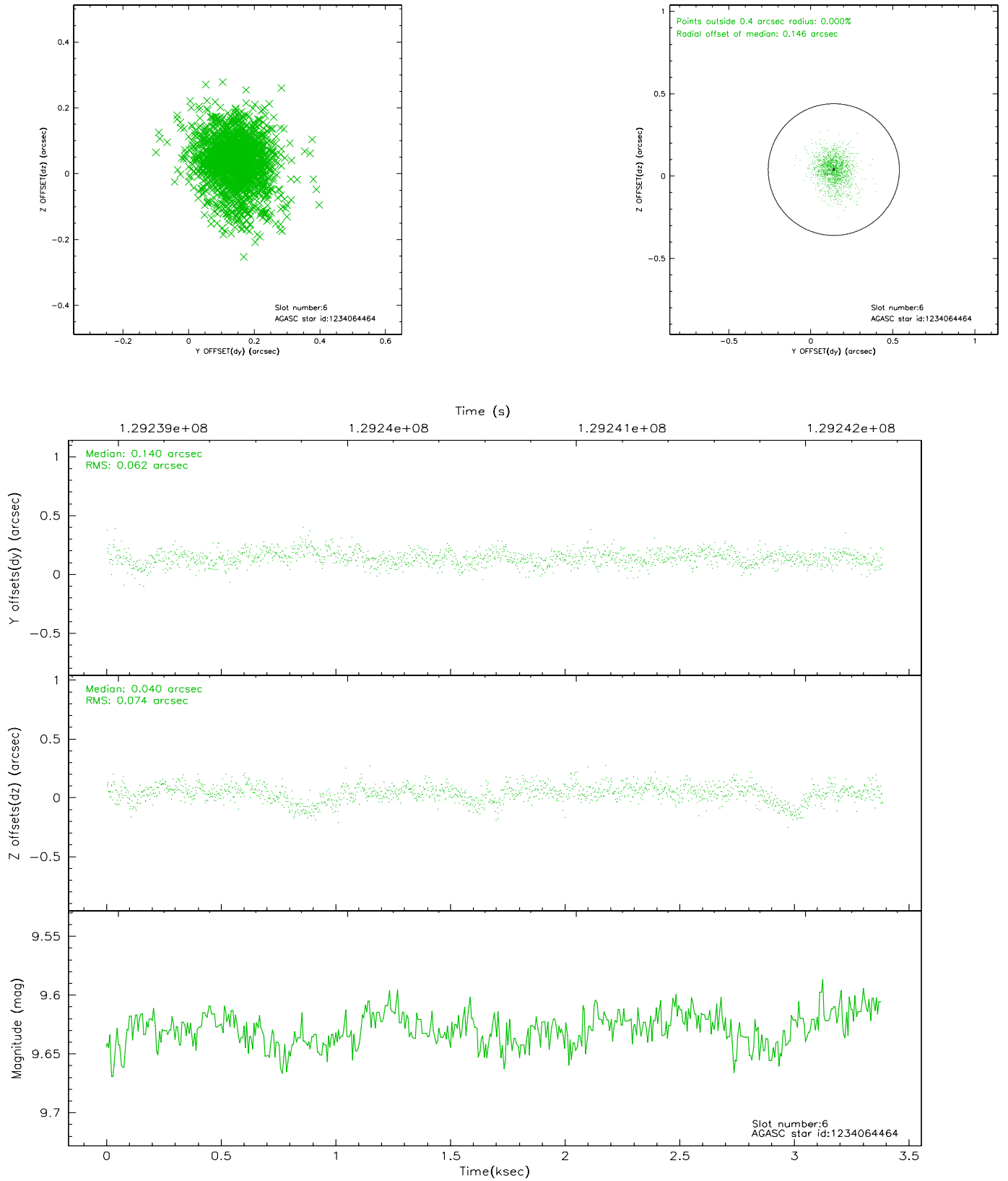
## 2.4.2 Slot 4



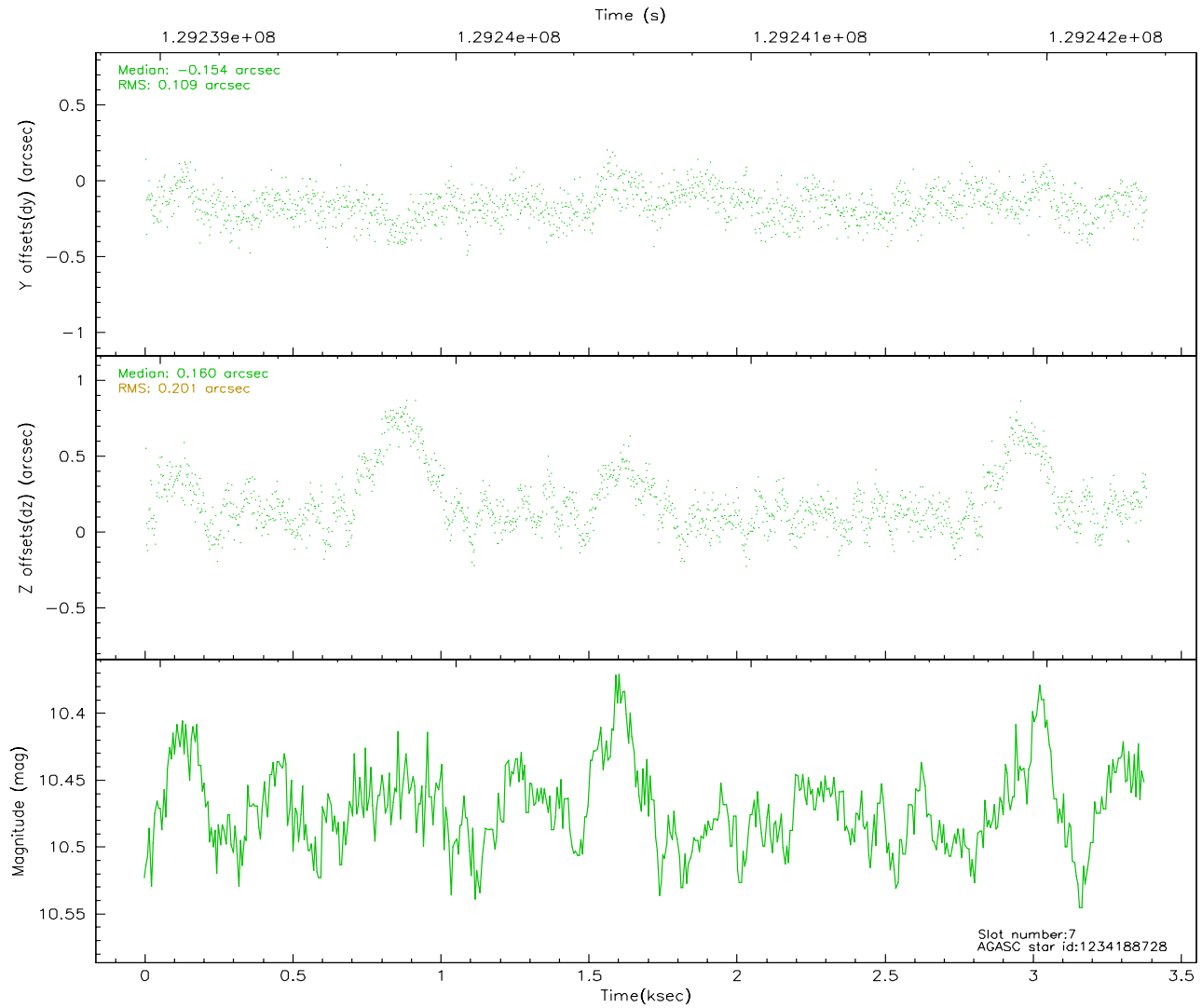
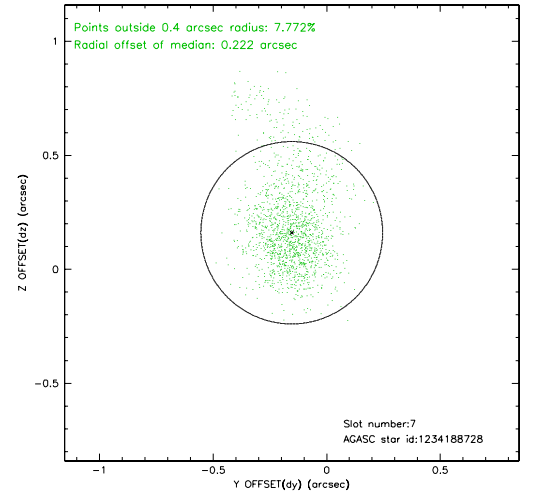
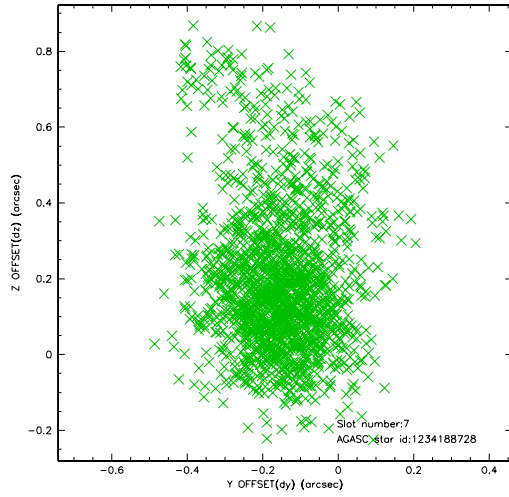
### 2.4.3 Slot 5



## 2.4.4 Slot 6

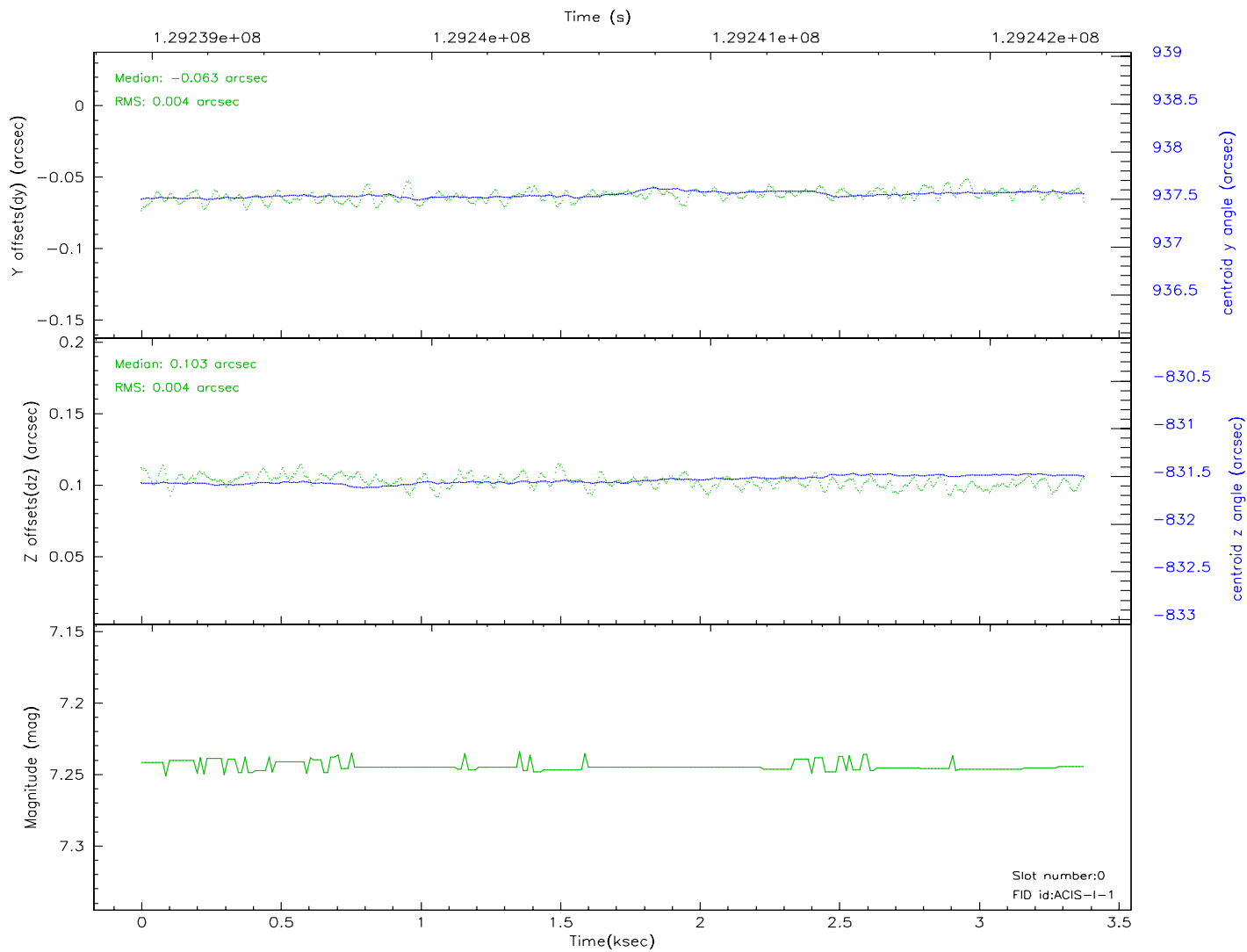
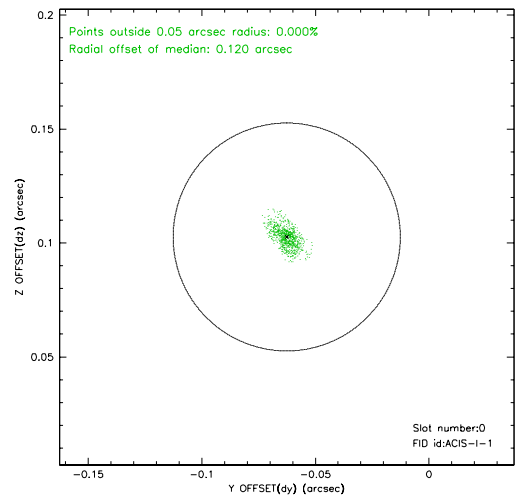
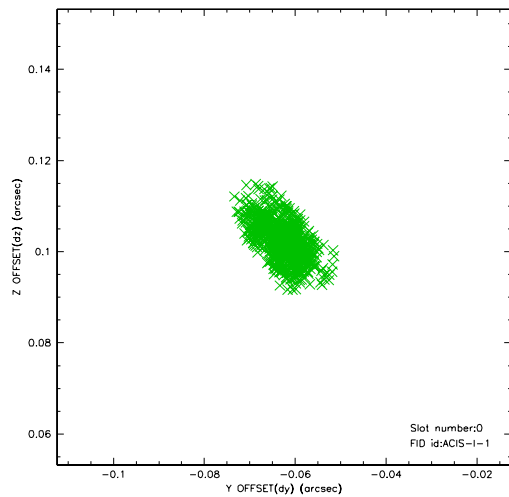


## 2.4.5 Slot 7

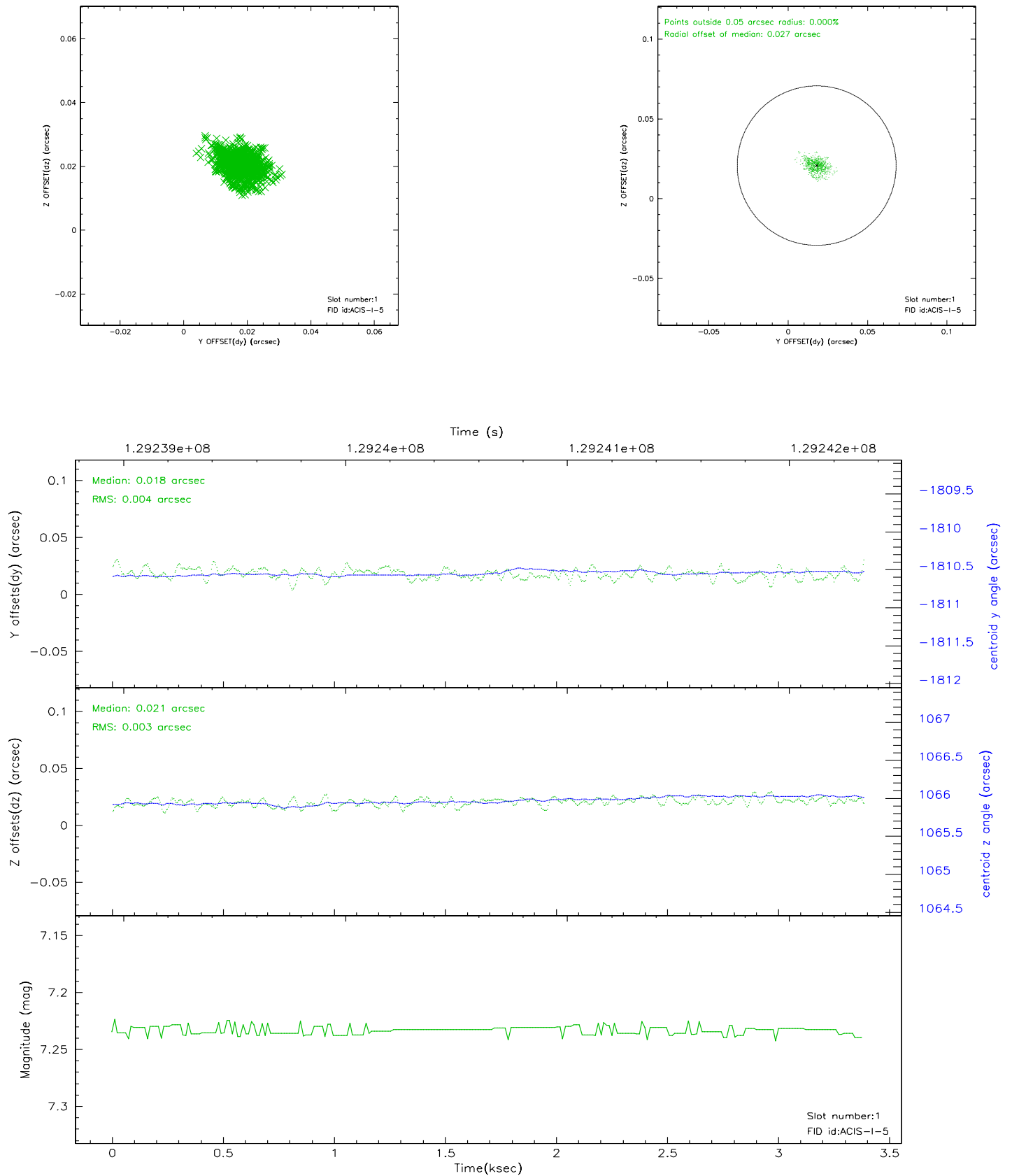


## 2.5 FID Slots

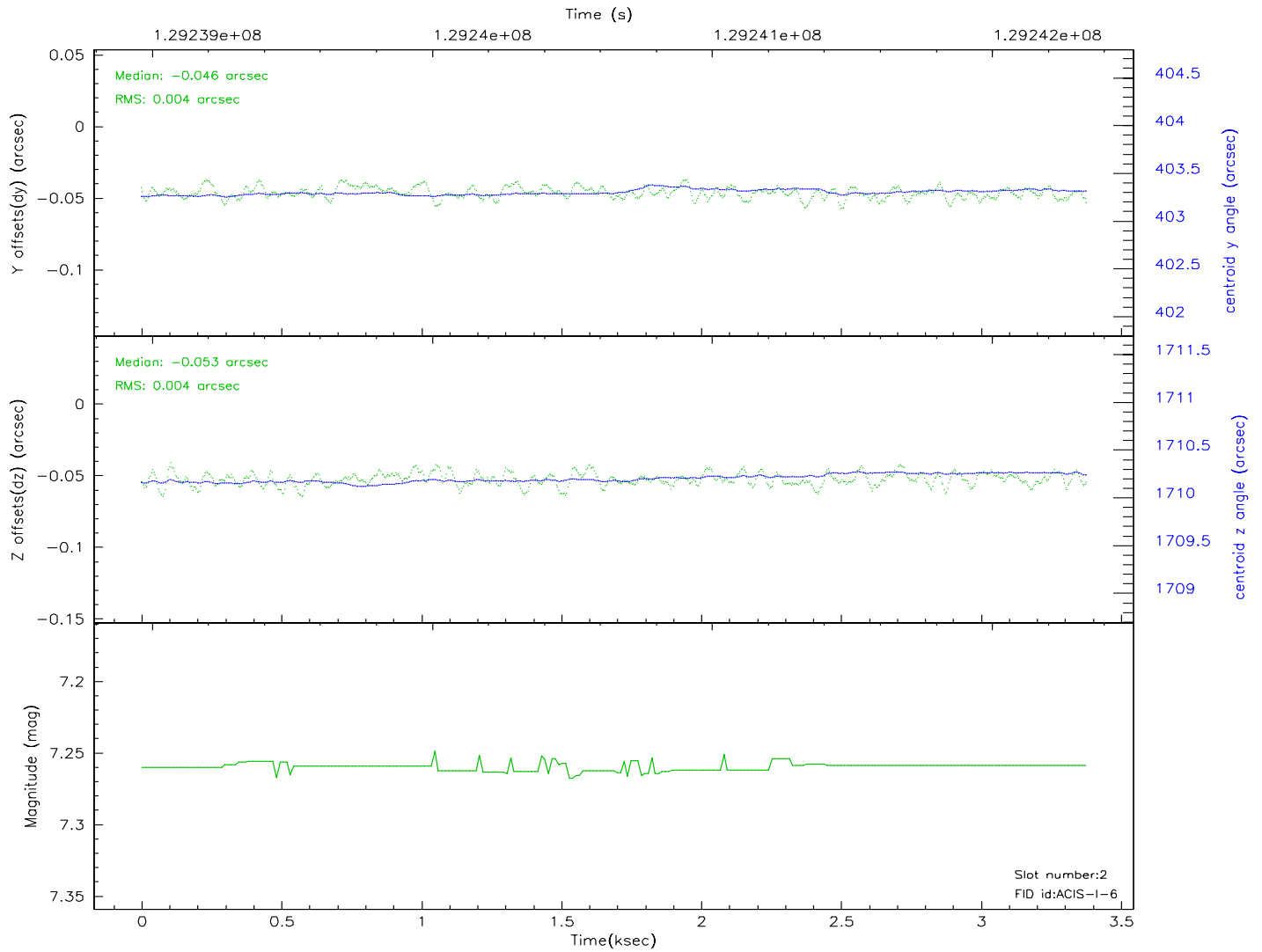
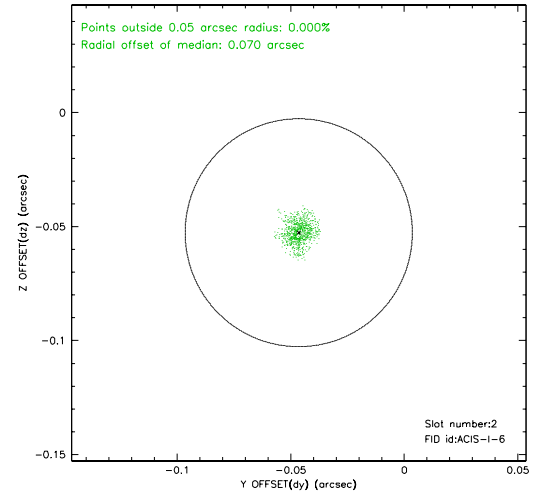
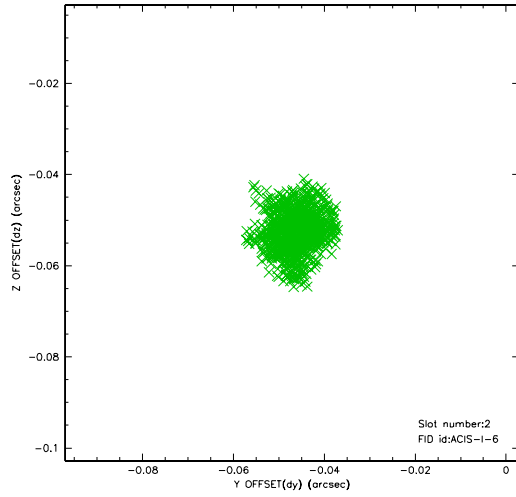
### 2.5.1 Slot 0



## 2.5.2 Slot 1

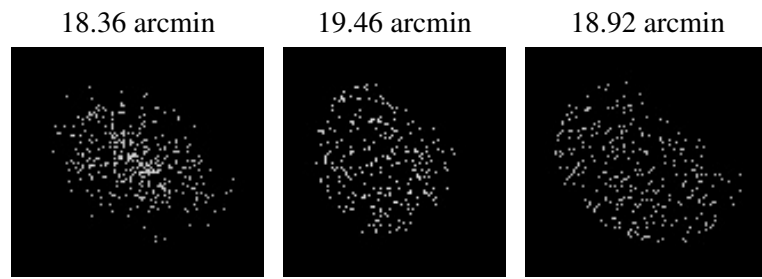


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.864

### A.2 Comments