

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 5909 - L2 Version 003  
Chandra X-Ray Center

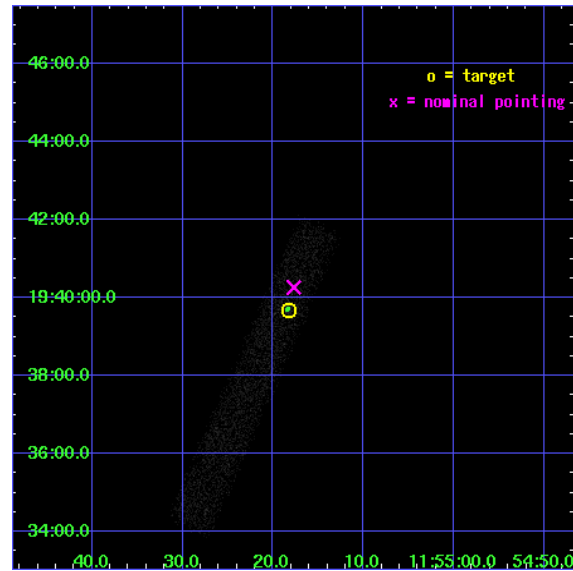
L2 Processing Date: Feb 25 2006

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# 1 Front

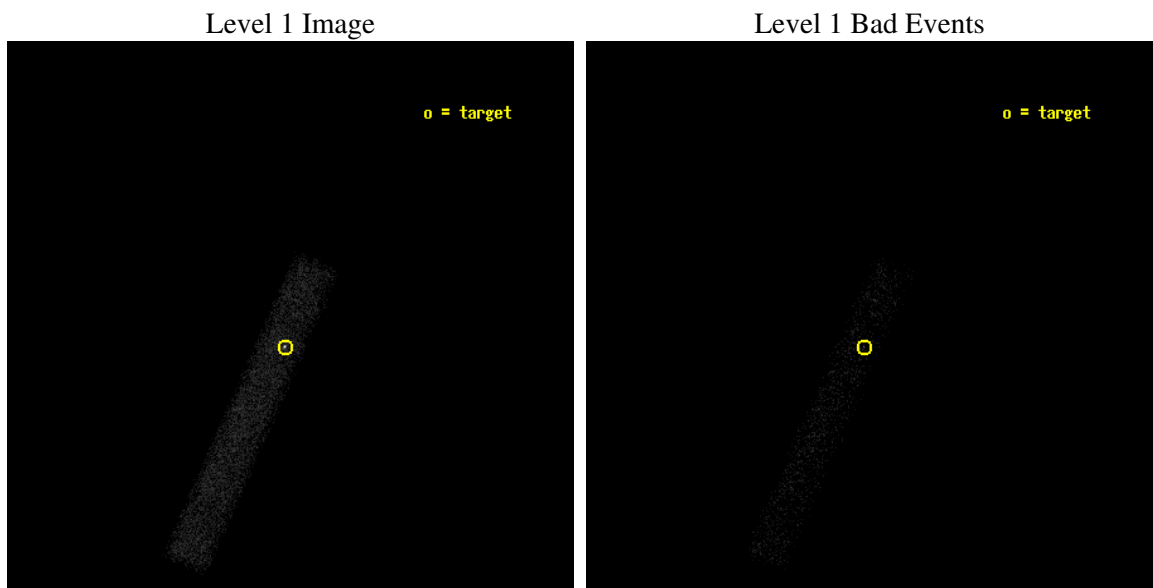
seq_num	600428
obs_id	5909
title	Dust-to-gas ratio in the $z=0.44$ lens galaxy B1152+199
observer	Dr. Kristian Pedersen
object	B1152+199
dtcycle	0
cycle	P
ra_targ	178.82625
dec_targ	19.661722
ra_nom	178.82377923956
dec_nom	19.671107083791
roll_nom	113.95747649728
revision	3
ontime	9132.0001360774
livetime	8282.2420969322
ontime7	9132.0001360774
l2events	6789



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-25T10:33:23
revision	3

sched_exp_time	9000.000000
ontime	10235.098423392
ontime7	10235.098423392
l1events	15439

### 2.1.4 Events

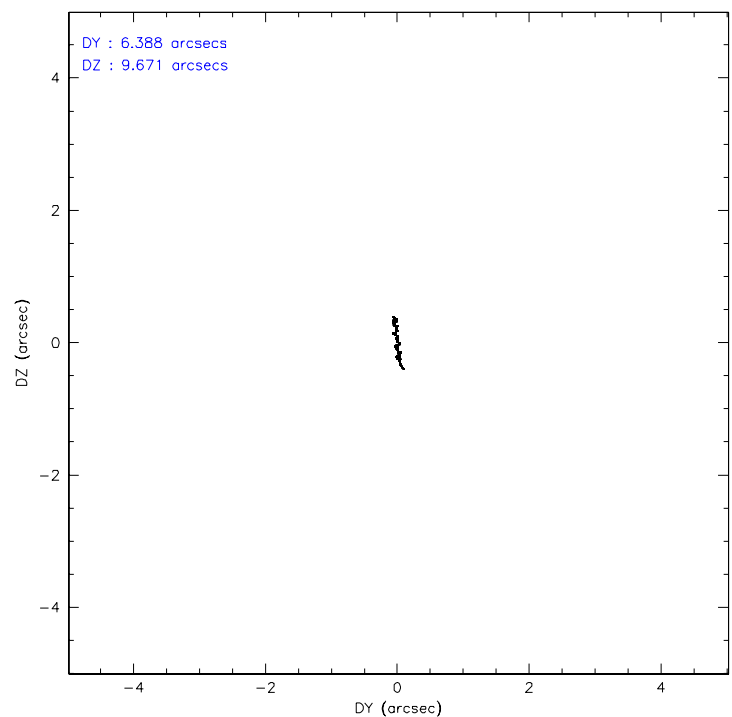
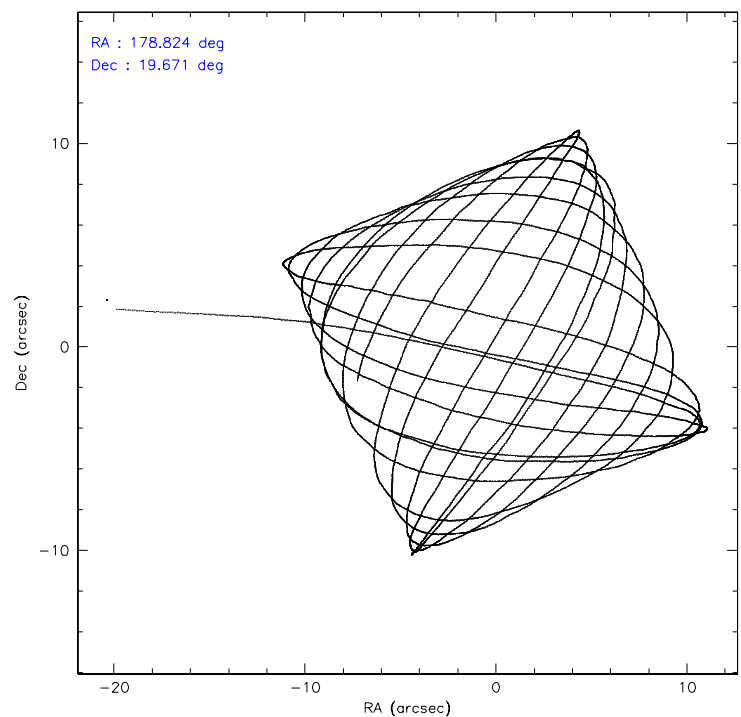
	<b>ccd 7</b>
level 1 events	15439
rejected events	8439
rejected %	54%

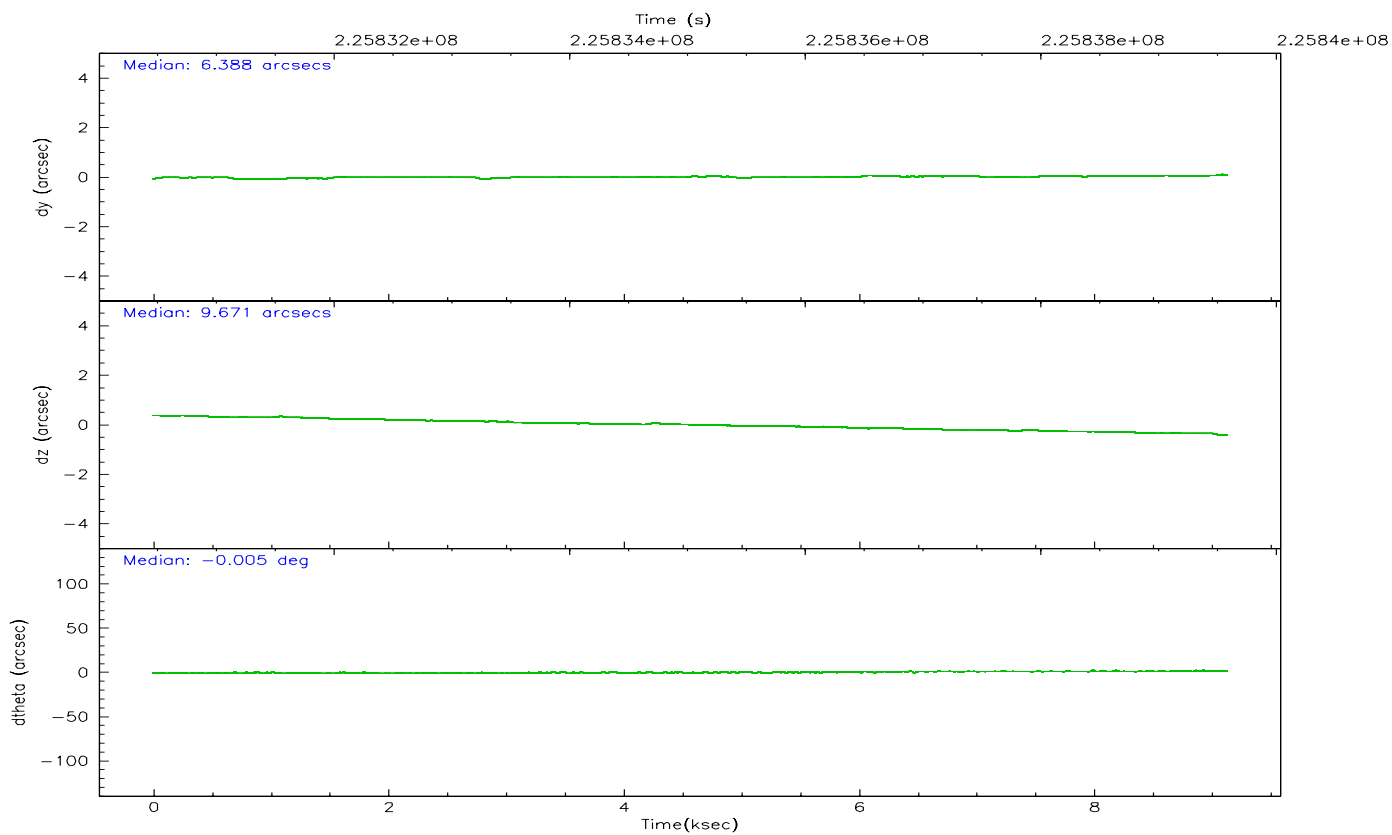
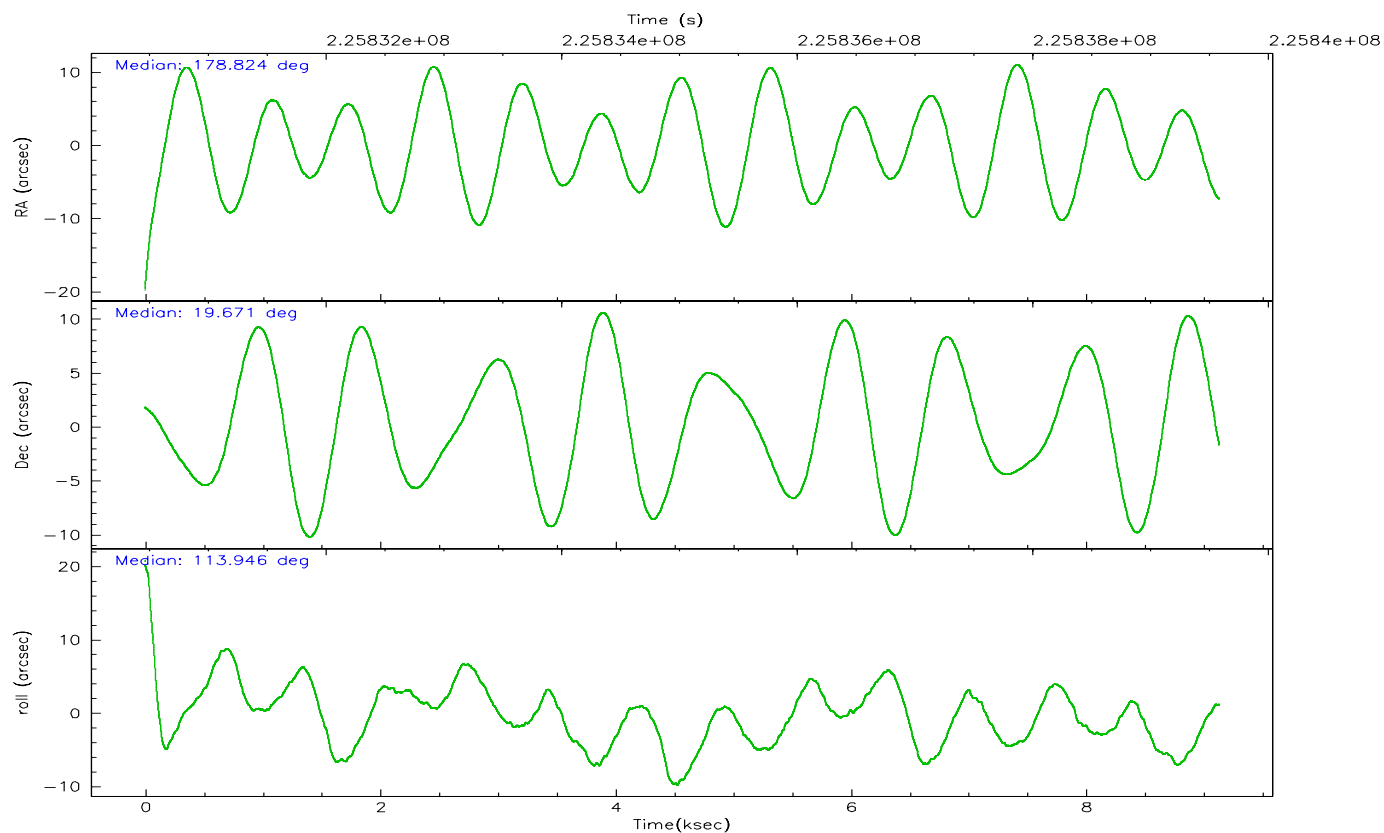
	<b>ccd 7</b>
grade 0 events	1046
	6%
grade 1 events	10
	0%
grade 2 events	1764
	11%
grade 3 events	799
	5%
grade 4 events	752
	4%
grade 5 events	1028
	6%
grade 6 events	3288
	21%
grade 7 events	6752
	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	1/8	1/8
Pointing RA	178.847399	178.8237792395617	Subarray start row	0	449
Pointing Dec	19.655379	19.67110708379057	Subarray row count	1024	128
Pointing Roll	113.792888	113.9574764972758	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	225830590.184000	225829355.62107			
Observation start date	2005-02-26T18:42:06	2005-02-26T18:22:35			
Observation end time	225839590.184000	225840007.42155			
Observation end date	2005-02-26T21:12:06	2005-02-26T21:20:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect





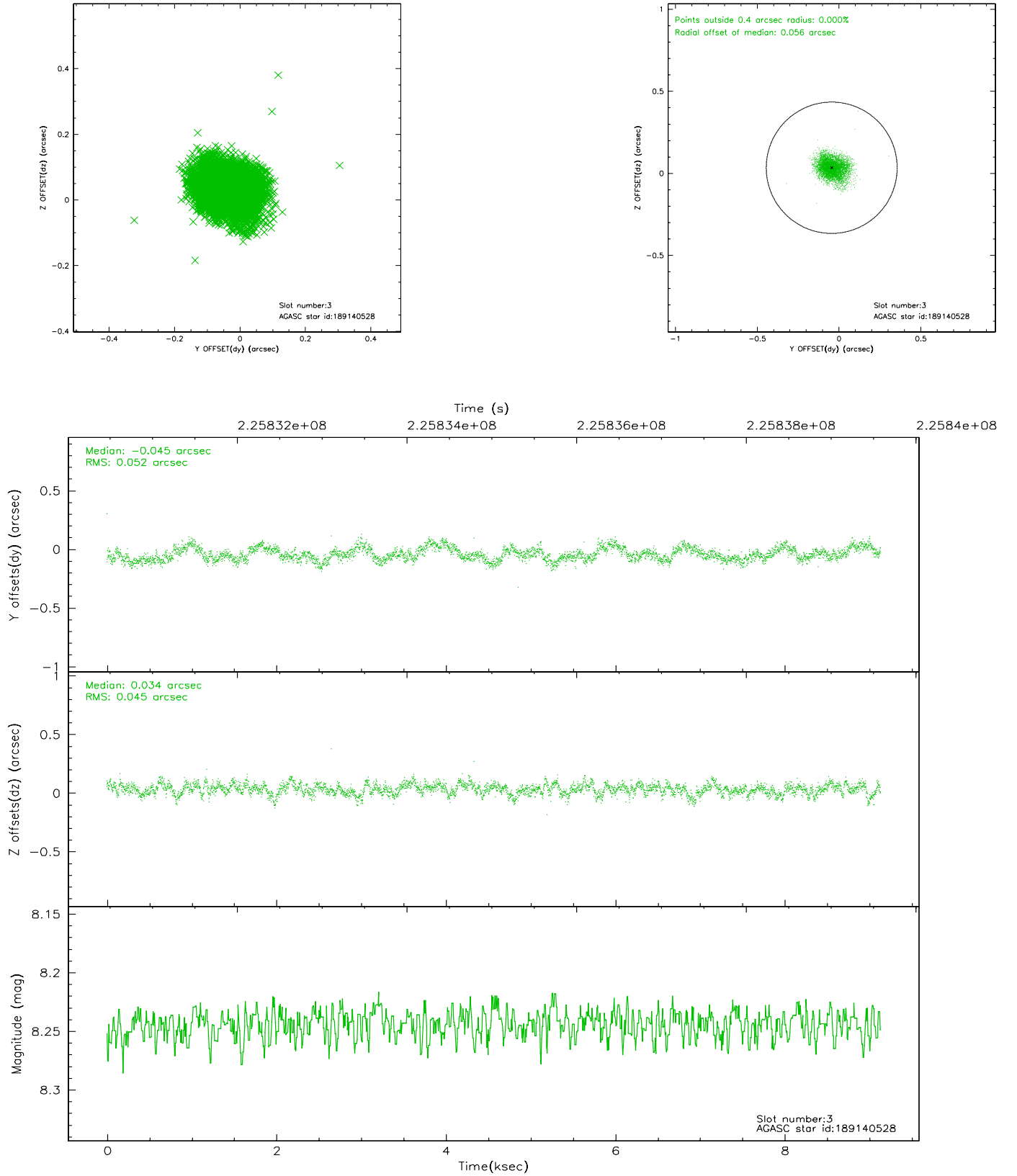
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2228	-0.047	-0.010	0.011	0.018	0.000000	0.000000	-759.15	-1730.93
1	FID	ACIS-S-4	7.20	2228	0.056	0.026	0.013	0.030	0.000000	0.000000	2153.93	177.01
2	FID	ACIS-S-5	7.23	2228	-0.037	-0.005	0.010	0.015	0.000000	0.000000	-1811.24	171.28
3	GUIDE	189140528	8.24	4453	-0.045	0.034	0.073	0.117	178.633618	19.411233	-510.35	1021.01
4	GUIDE	189140672	9.08	4454	-0.021	-0.079	0.102	0.174	178.601271	18.918622	-2088.81	1836.91
5	GUIDE	189143880	8.02	4456	-0.031	0.136	0.100	0.148	179.370549	19.983904	371.61	-2095.07
6	GUIDE	189152000	10.74	4286	0.116	-0.100	0.271	0.426	178.365175	19.560035	347.80	1634.35
7	GUIDE	189140696	8.43	4455	-0.028	0.017	0.075	0.122	178.646164	19.427835	-472.80	958.25

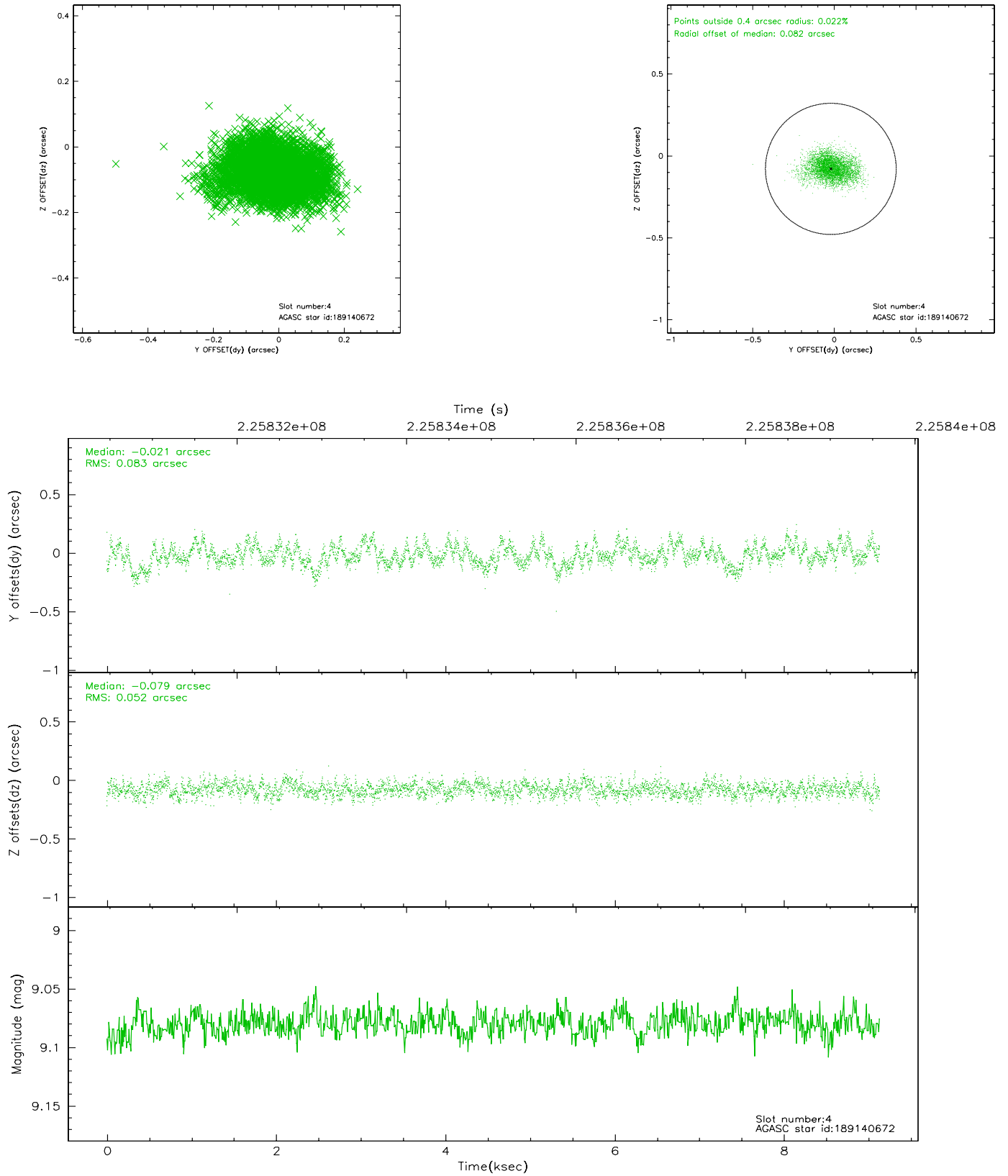


## 2.4 Star Slots

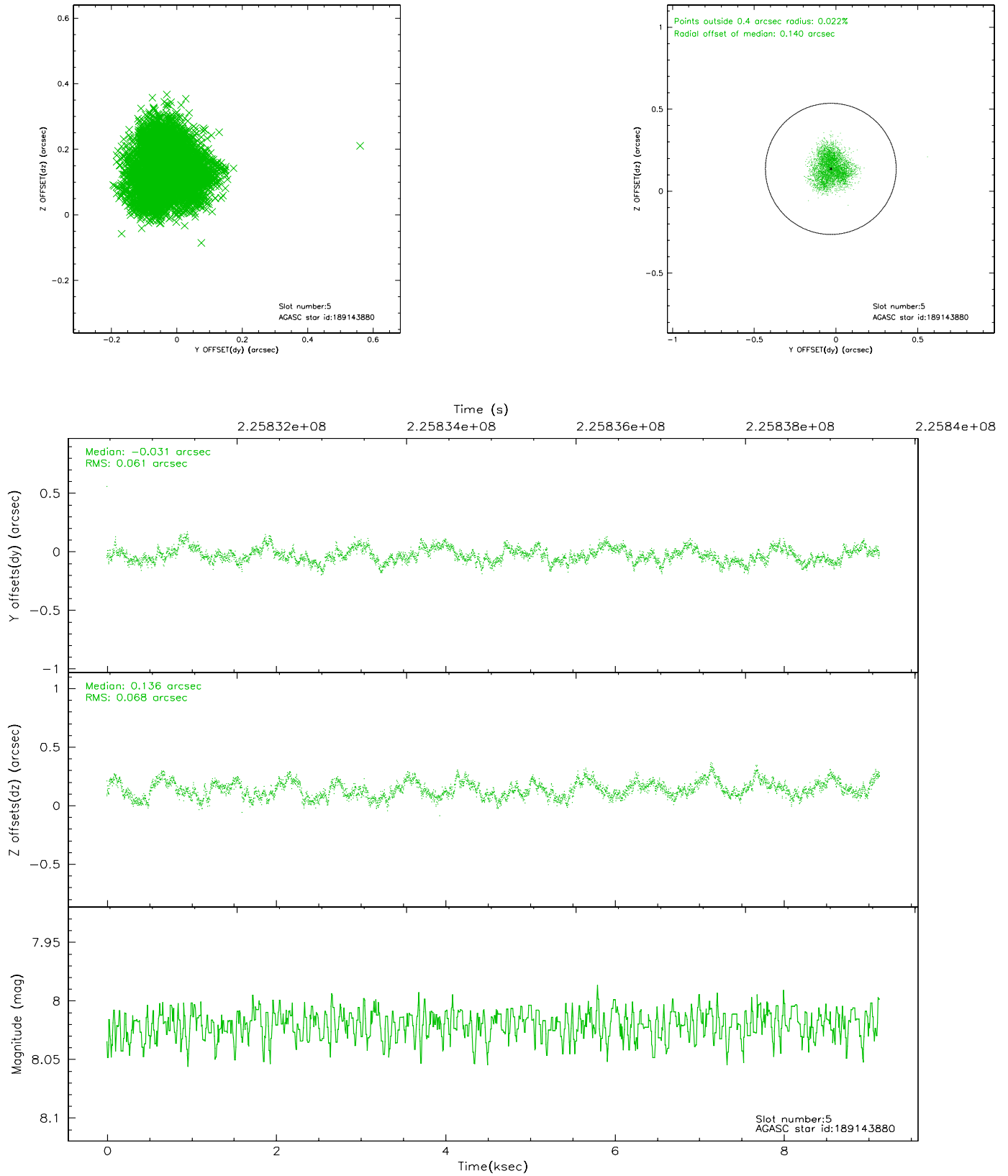
### 2.4.1 Slot 3



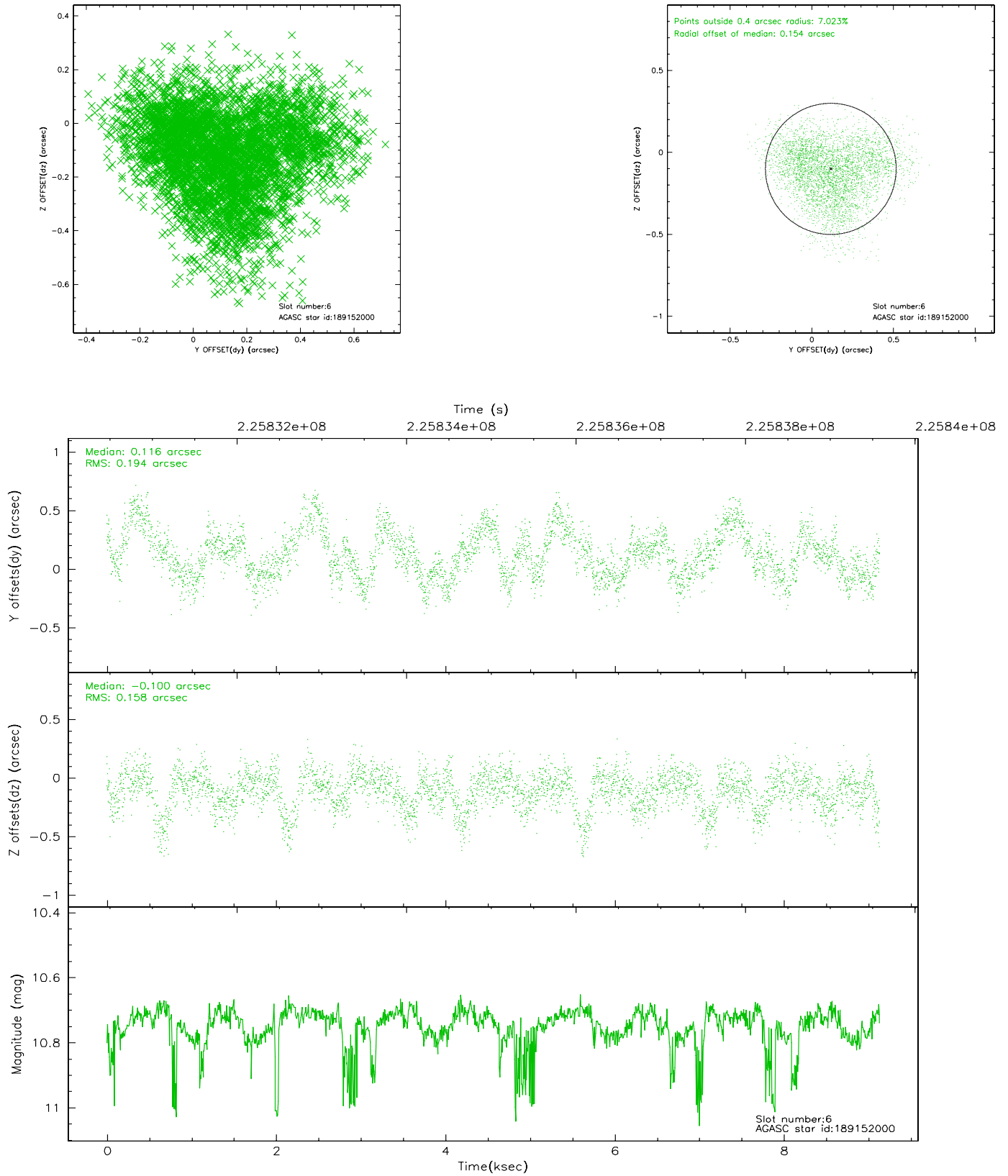
## 2.4.2 Slot 4



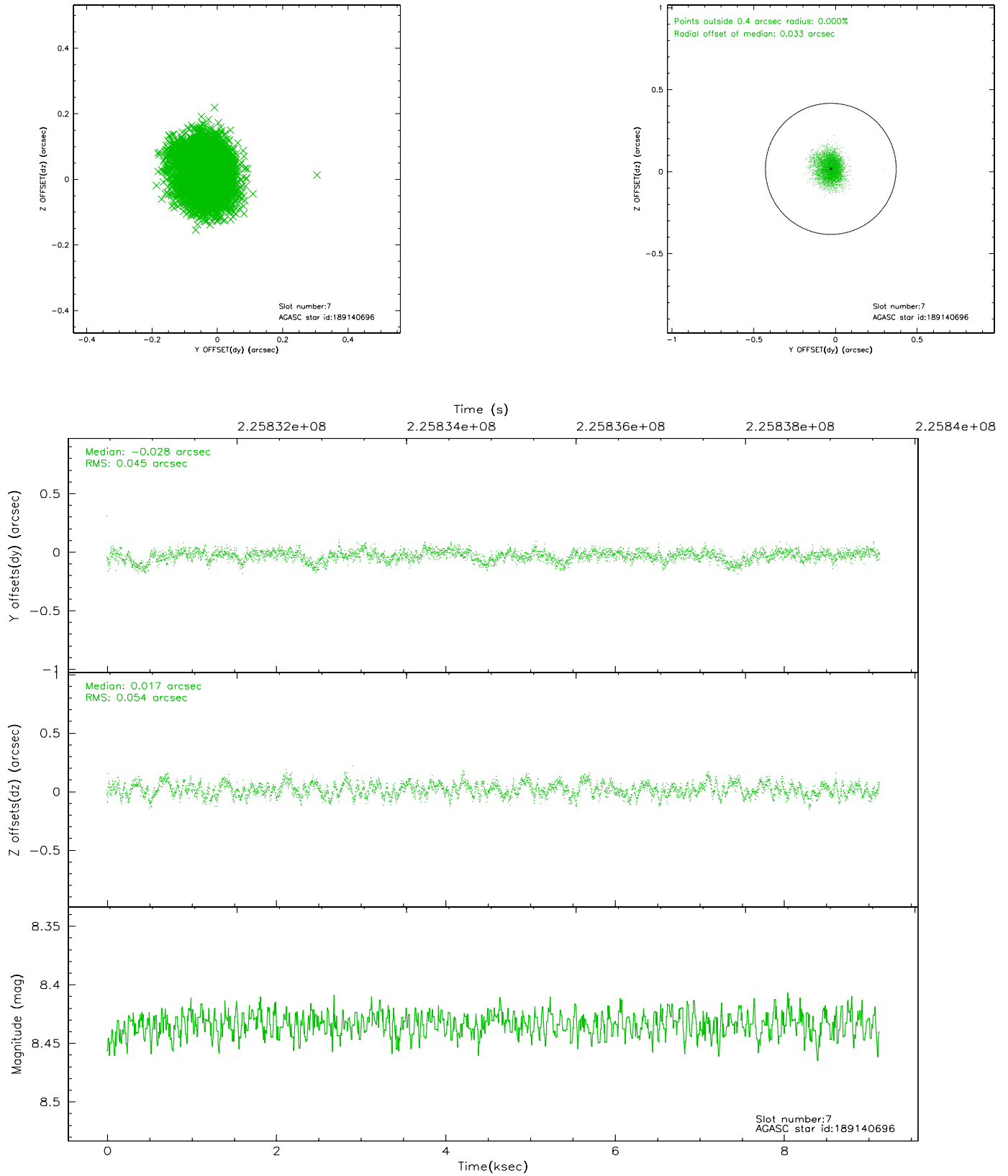
### 2.4.3 Slot 5



## 2.4.4 Slot 6

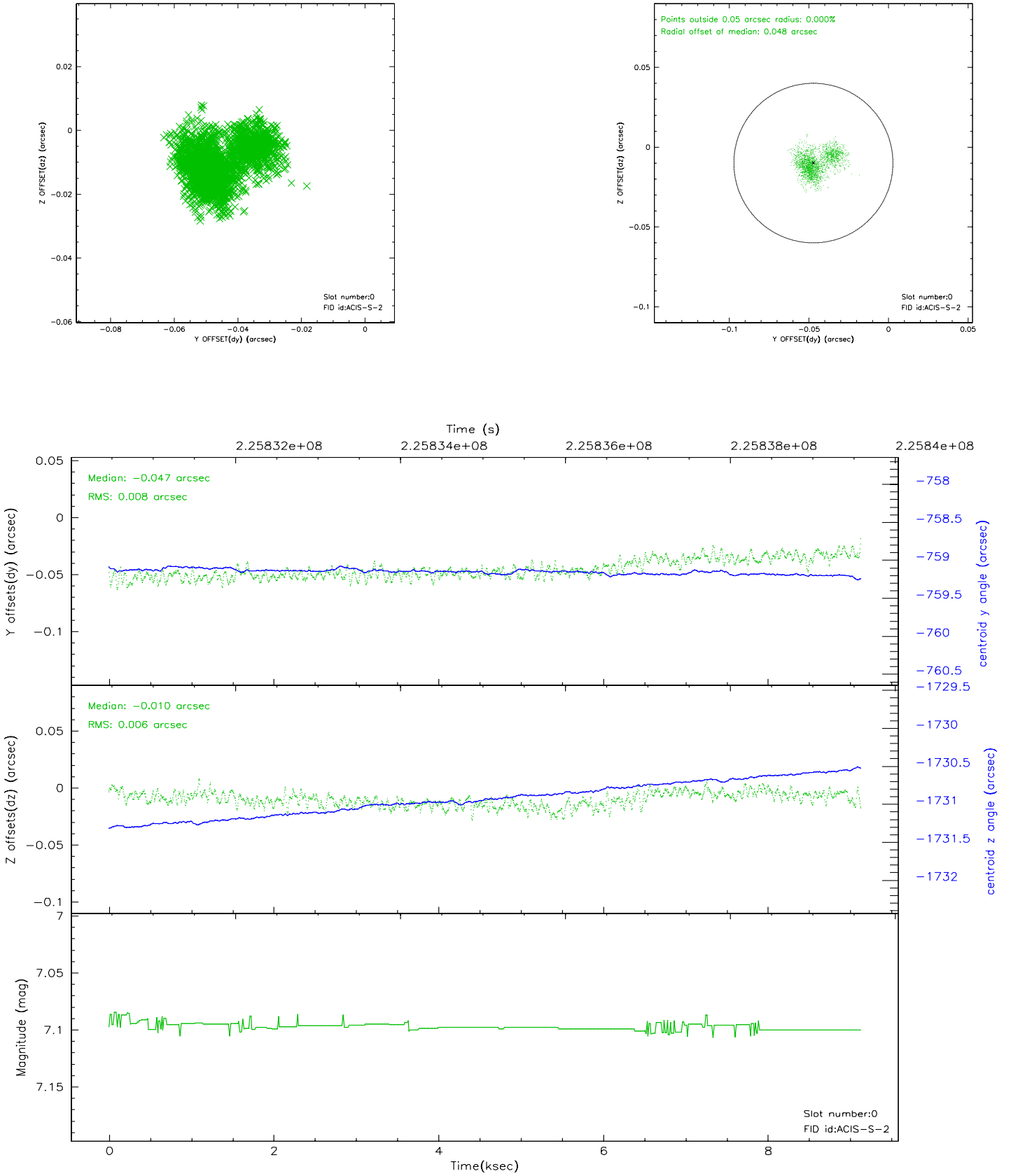


## 2.4.5 Slot 7

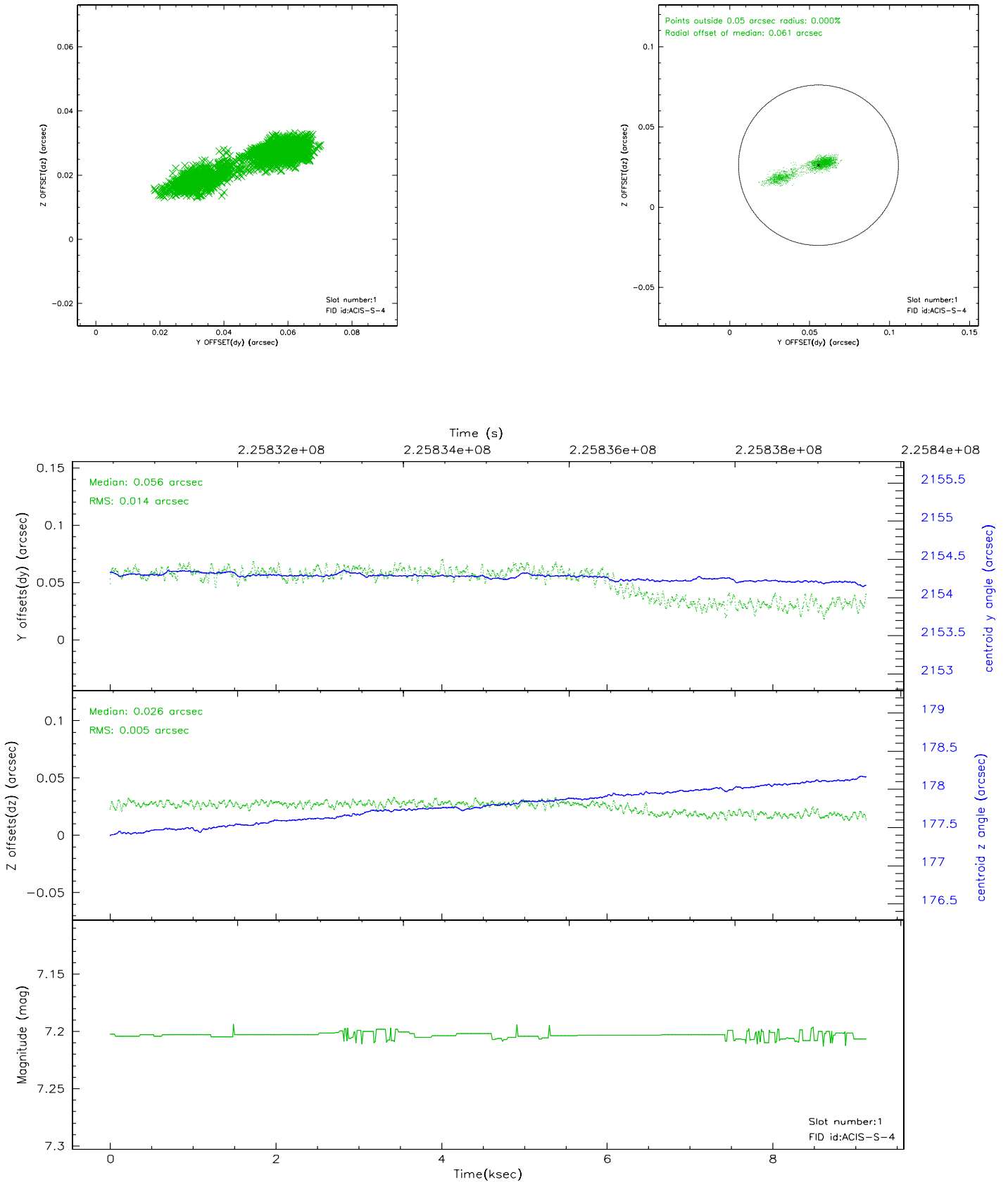


## 2.5 FID Slots

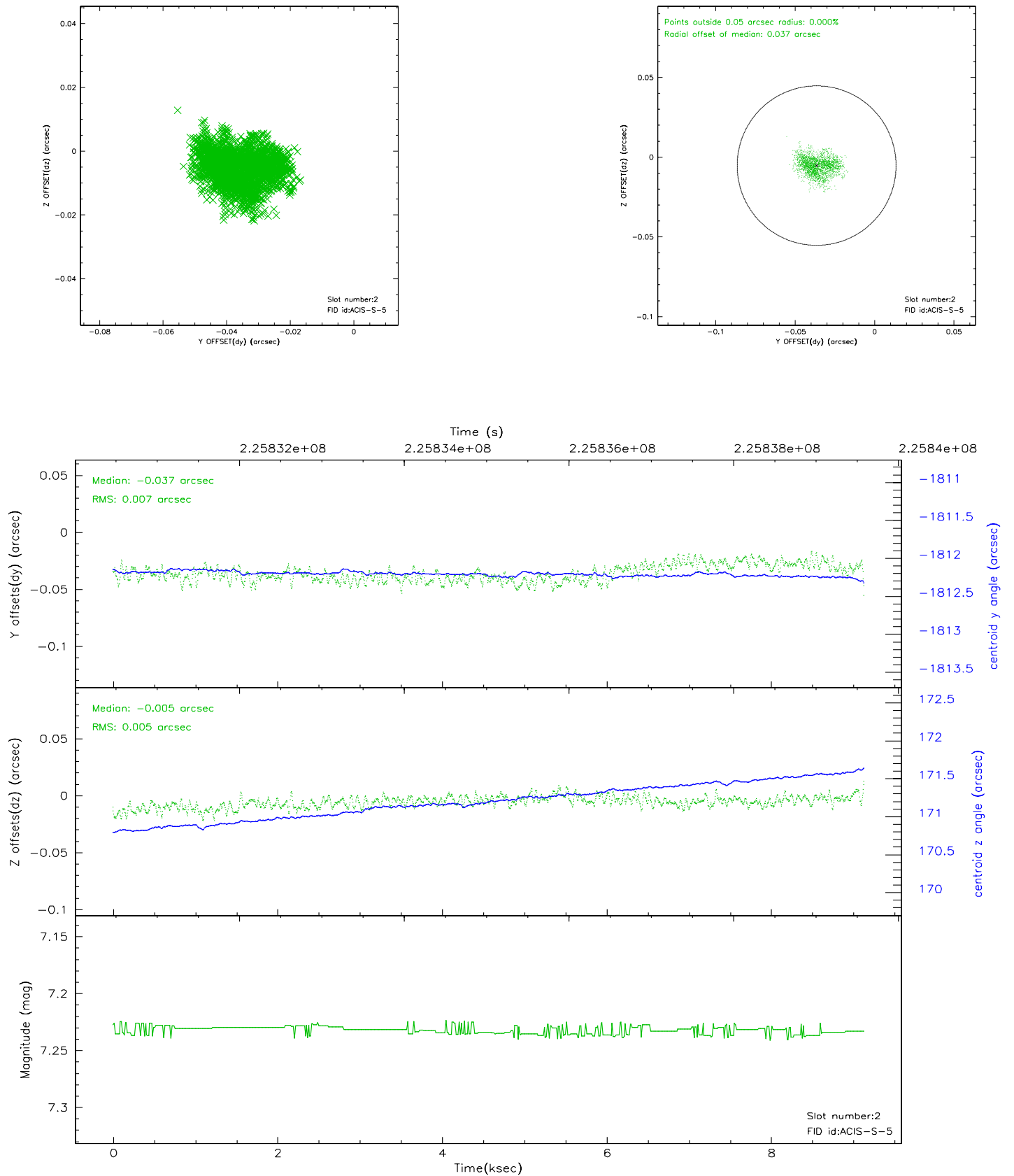
### 2.5.1 Slot 0



## 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)	2006.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.132

### A.2 Comments