

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 5660 - L2 Version 4  
Chandra X-Ray Center

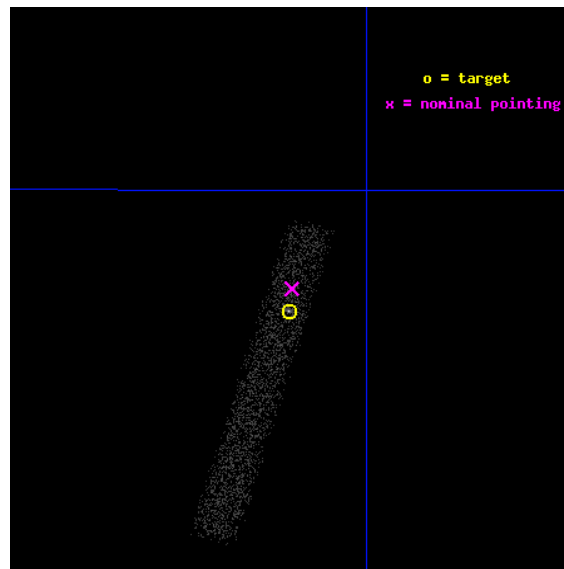
L2 Processing Date : Dec 12 2012

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# 1 Front

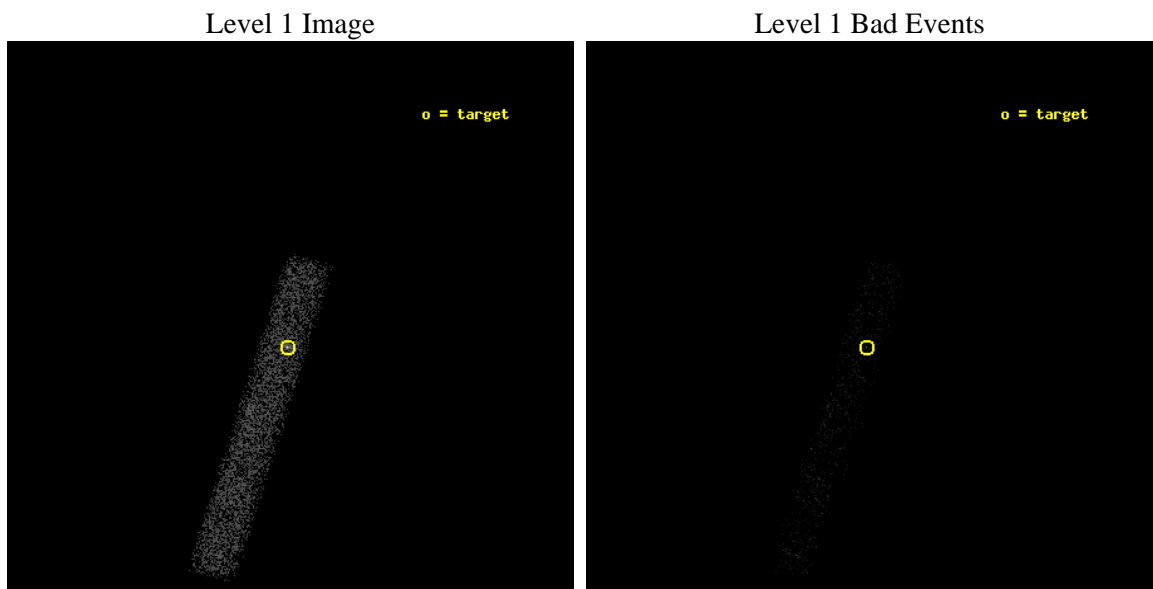
seq_num	701083	Sequence number
obs_id	5660	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes	Propos
observer	Dr. Luis Ho	Principal investigator
object	SDSS J082912.67+500652.3	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.302917	Observer's specified target RA [deg]
dec_targ	50.114528	Observer's specified target Dec [deg]
ra_nom	127.30091309497	Nominal RA [deg]
dec_nom	50.124141623008	Nominal Dec [deg]
roll_nom	107.59073119886	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5181.6000771821	Sum of GTIs [s]
livetime	4699.4377627263	Livetime [s]
ontime7	5181.6000771821	Sum of GTIs [s]
l2events	4346	Number of level 2 events



## 2 OBI

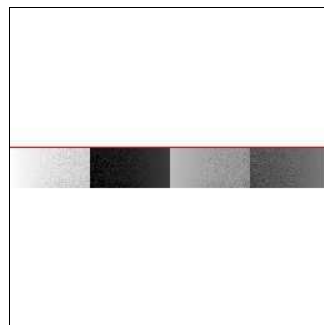
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	5181.6000771821	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime7	5181.6000771821	Sum of GTIs [s]
date	2012-12-12T13:13:54	Date and time of file creation	l1events	8432	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	8432
rejected events	3951
rejected %	46%

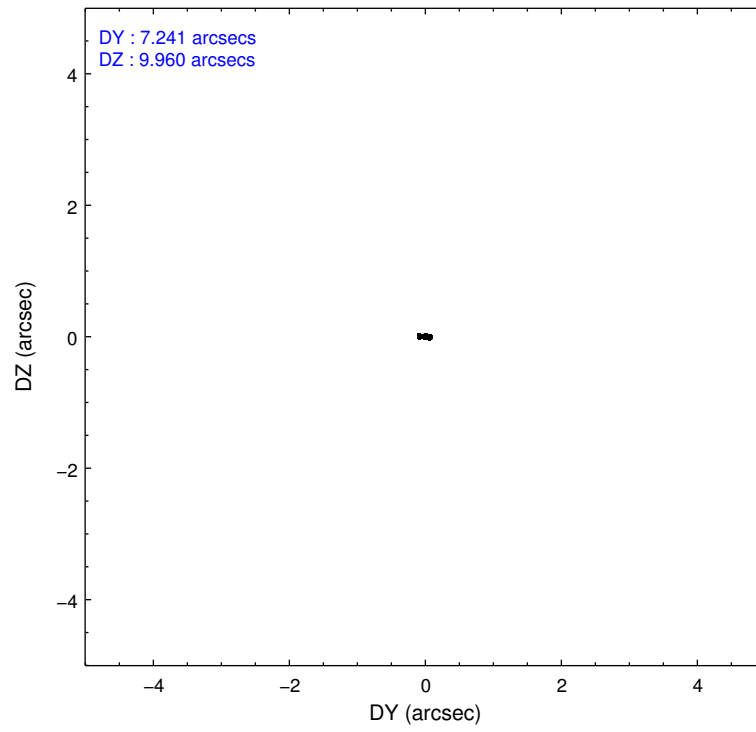
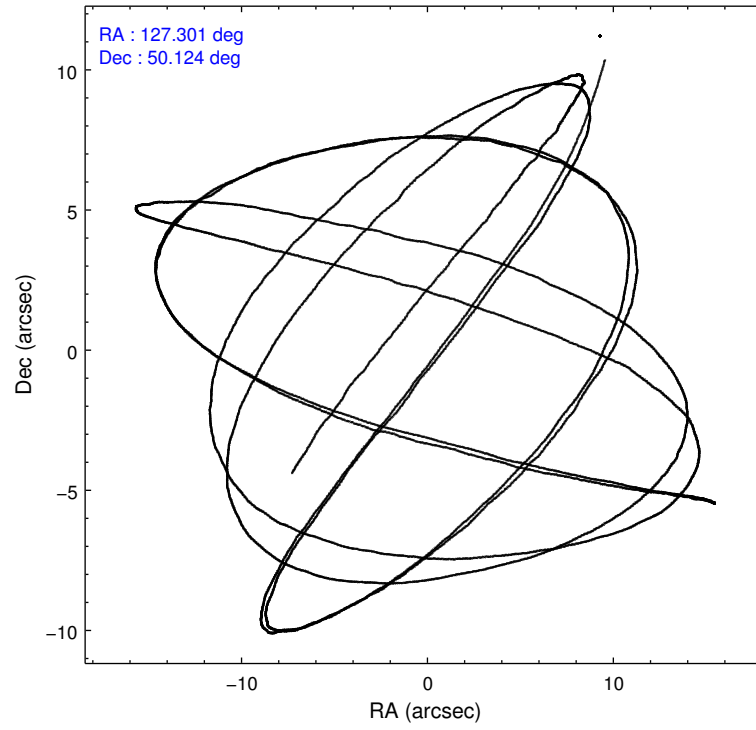
	<b>ccd 7</b>
grade 0 events	759
	9%
grade 1 events	13
	0%
grade 2 events	931
	11%
grade 3 events	581
	6%
grade 4 events	527
	6%
grade 5 events	698
	8%
grade 6 events	1710
	20%
grade 7 events	3213
	38%

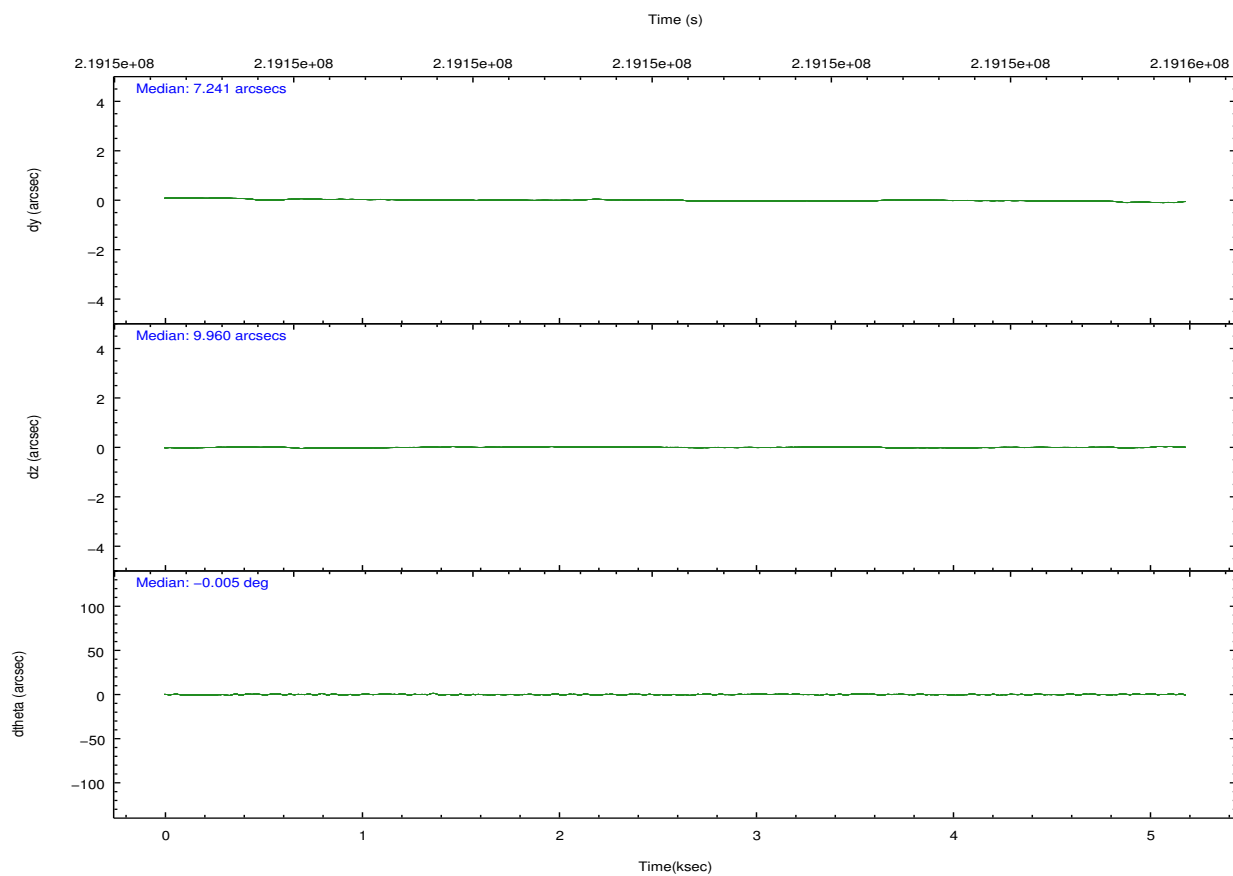
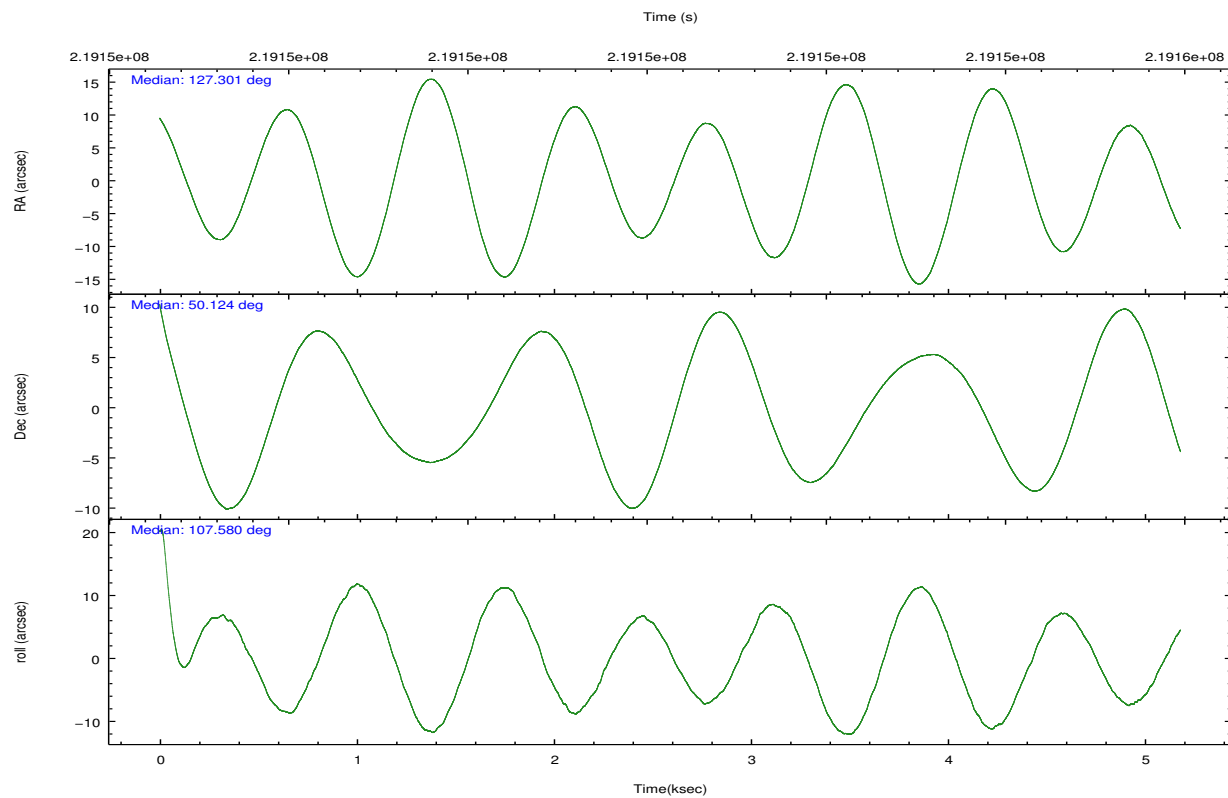


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	127.332680	127.3009130949741	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	50.106017	50.1241416230084	Subarray start row	449	449
[deg] Pointing Roll	107.409650	107.5907311988599	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	219149714.184000	219149076.18203			
Observation start date	2004-12-11T10:54:10	2004-12-11T10:44:36			
[s] Observation end time (MET)	219154714.184000	219155247.19481			
Observation end date	2004-12-11T12:17:30	2004-12-11T12:27:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect



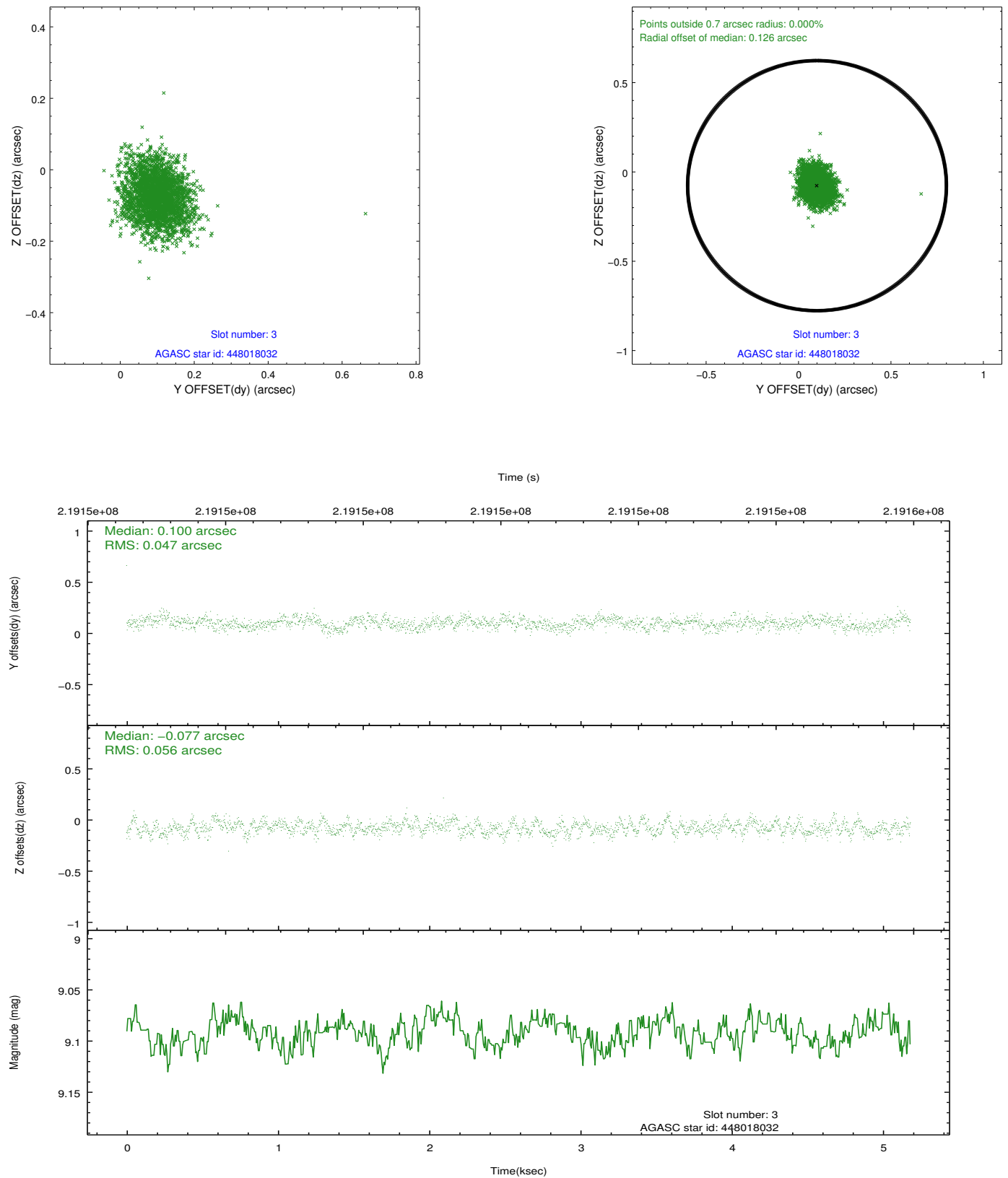


### Slot Statistics

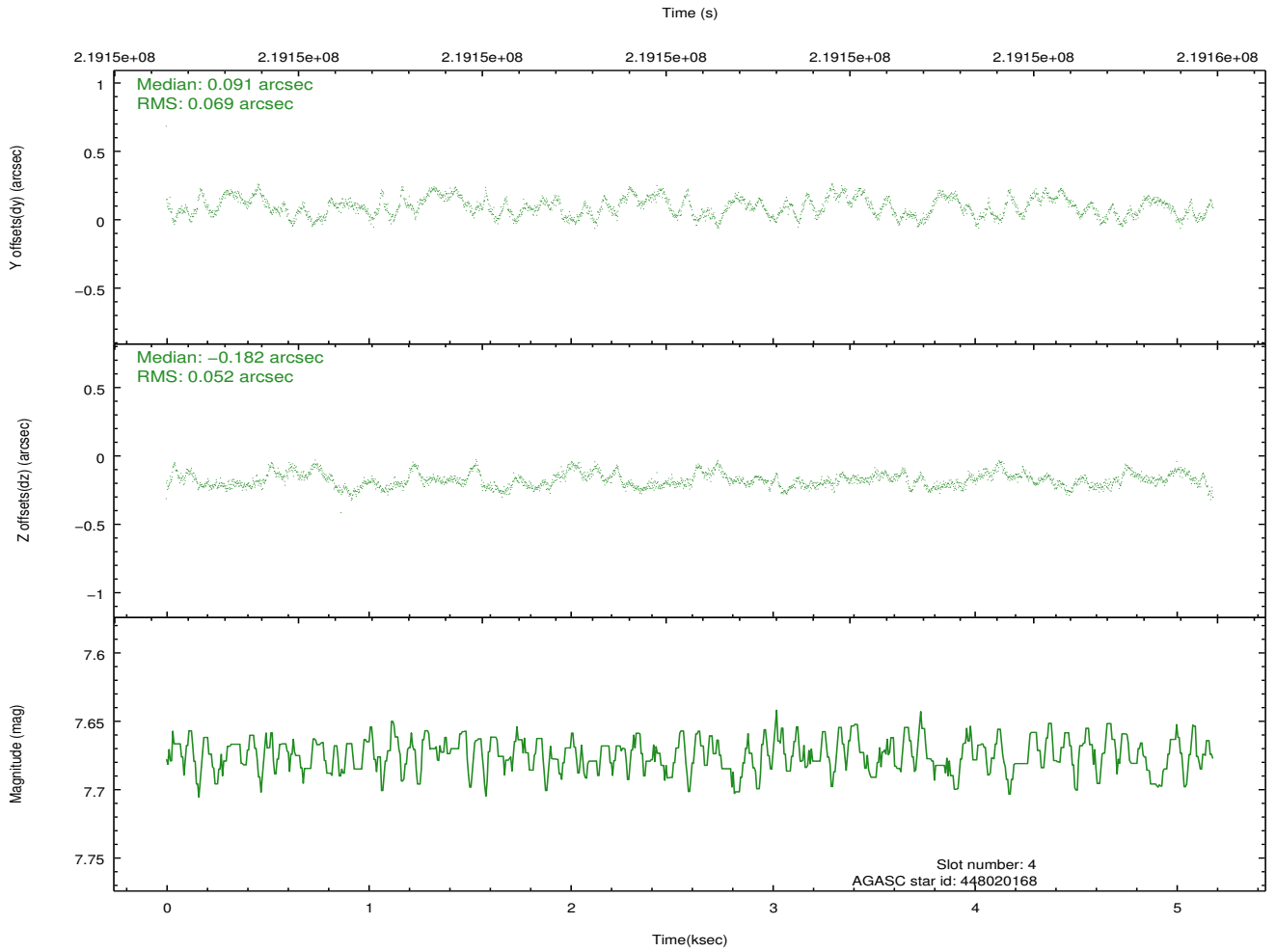
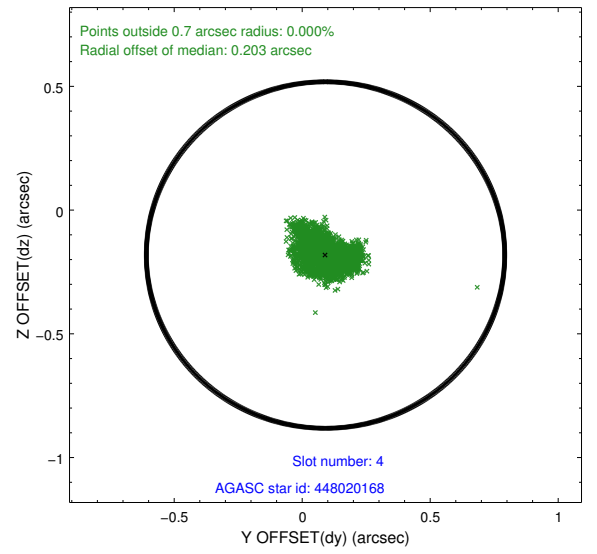
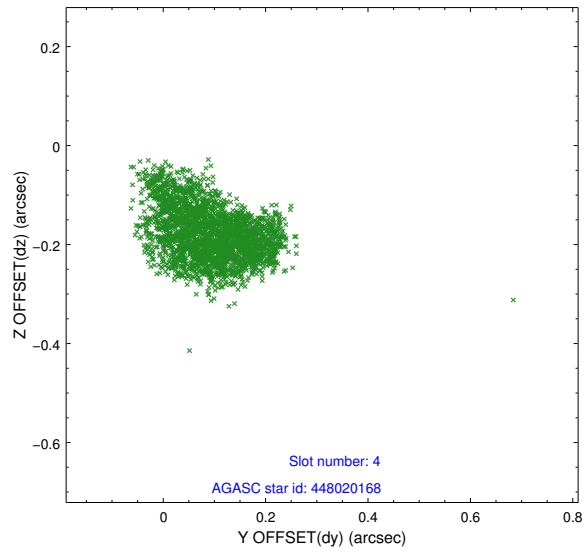
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.055	-0.031	0.007	0.011	0.000000	0.000000	-760.01	-1731.25
1	FID	ACIS-S-4	7.20	1264	0.105	0.035	0.005	0.010	0.000000	0.000000	2152.85	176.15
2	FID	ACIS-S-5	7.23	1264	-0.081	0.004	0.007	0.011	0.000000	0.000000	-1811.42	171.04
3	GUIDE	448018032	9.09	2528	0.100	-0.077	0.078	0.125	126.828256	49.922135	-278.21	1312.54
4	GUIDE	448020168	7.67	2529	0.091	-0.182	0.093	0.141	127.086143	49.687322	-1265.72	999.13
5	GUIDE	448400920	8.54	2529	0.006	0.045	0.109	0.164	127.310262	50.436465	1150.22	-306.19
6	GUIDE	448538280	7.56	2529	-0.070	0.112	0.074	0.127	127.979312	50.616688	1317.82	-1960.23
7	GUIDE	448540800	8.17	2525	-0.132	0.095	0.075	0.121	127.929128	50.708924	1670.36	-1948.70

## 2.4 Star Slots

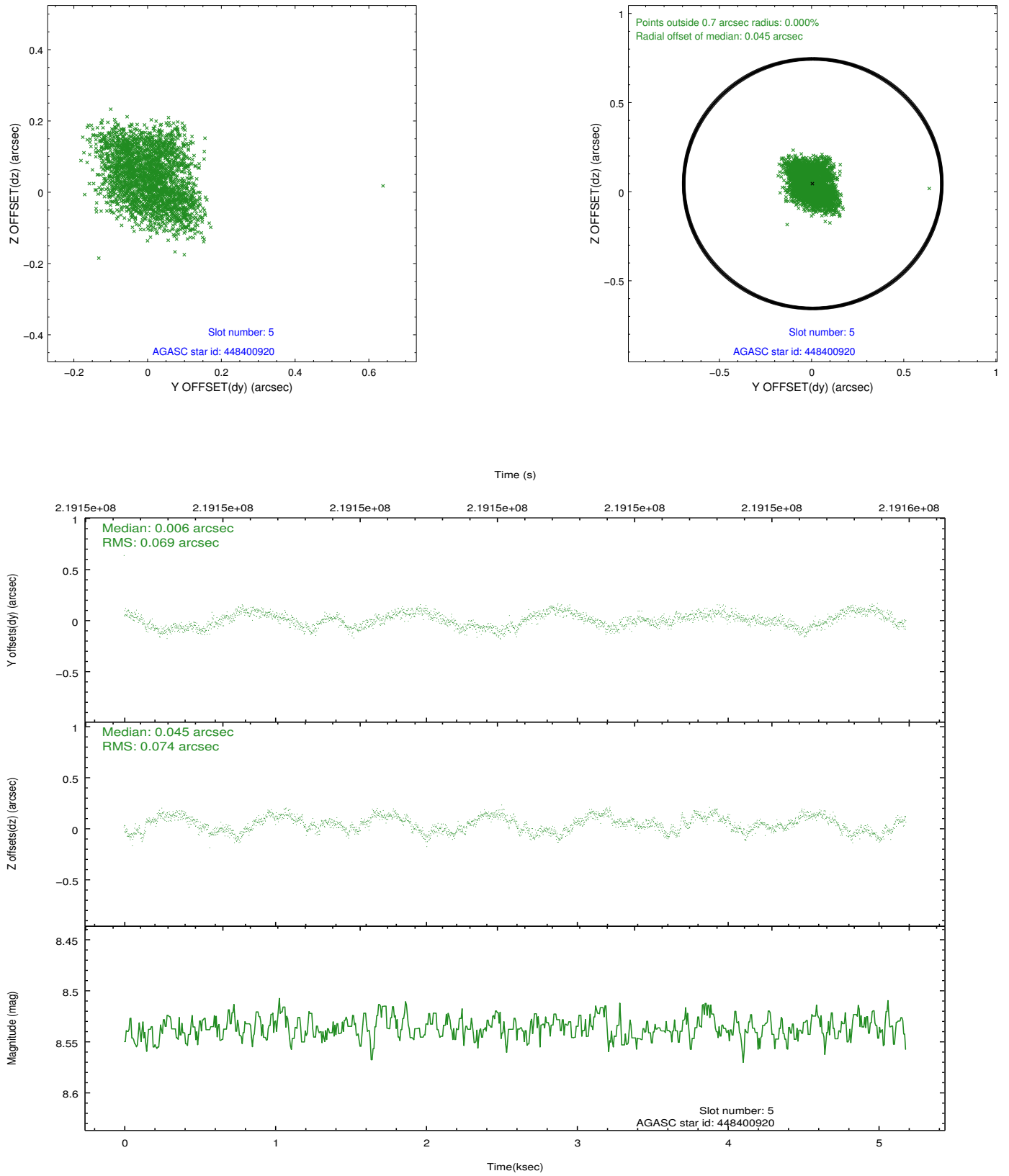
### 2.4.1 Slot 3



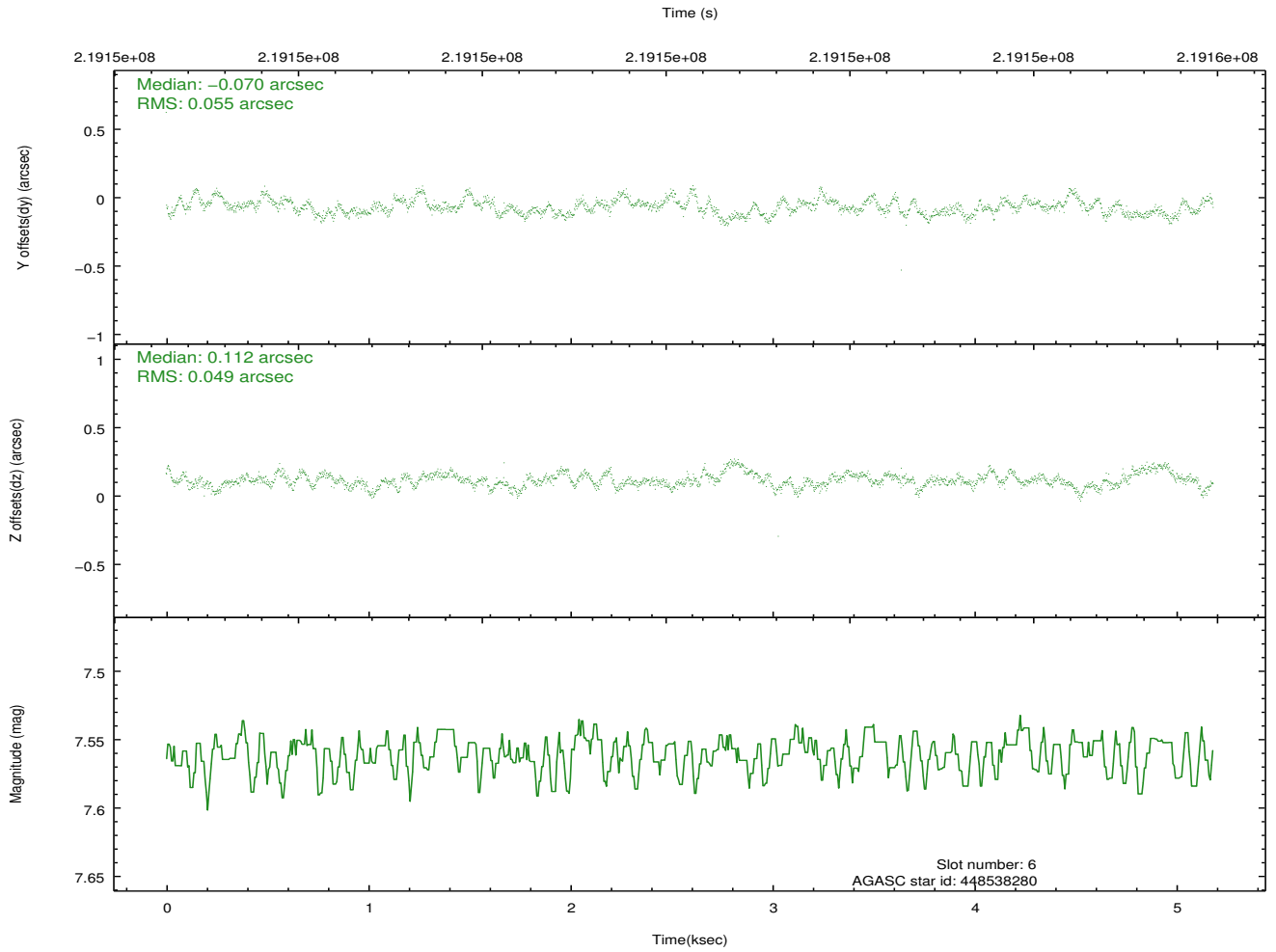
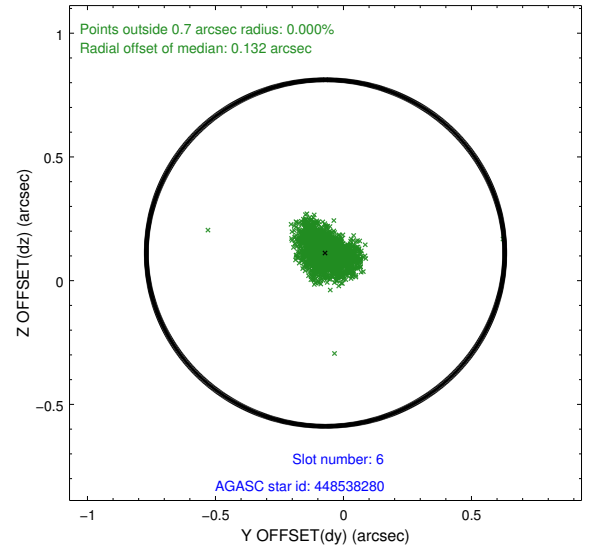
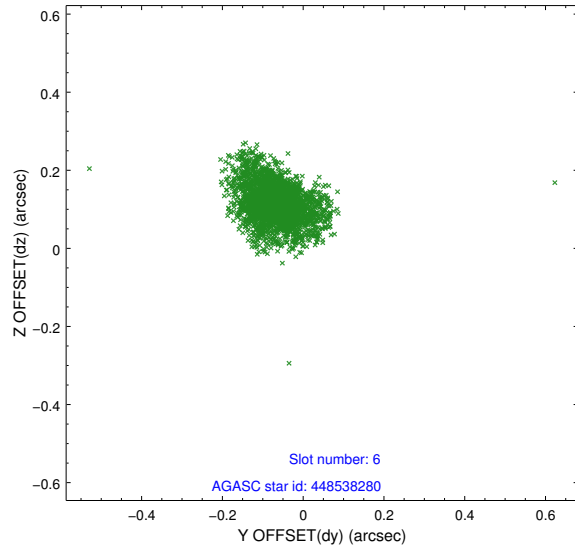
## 2.4.2 Slot 4



### 2.4.3 Slot 5

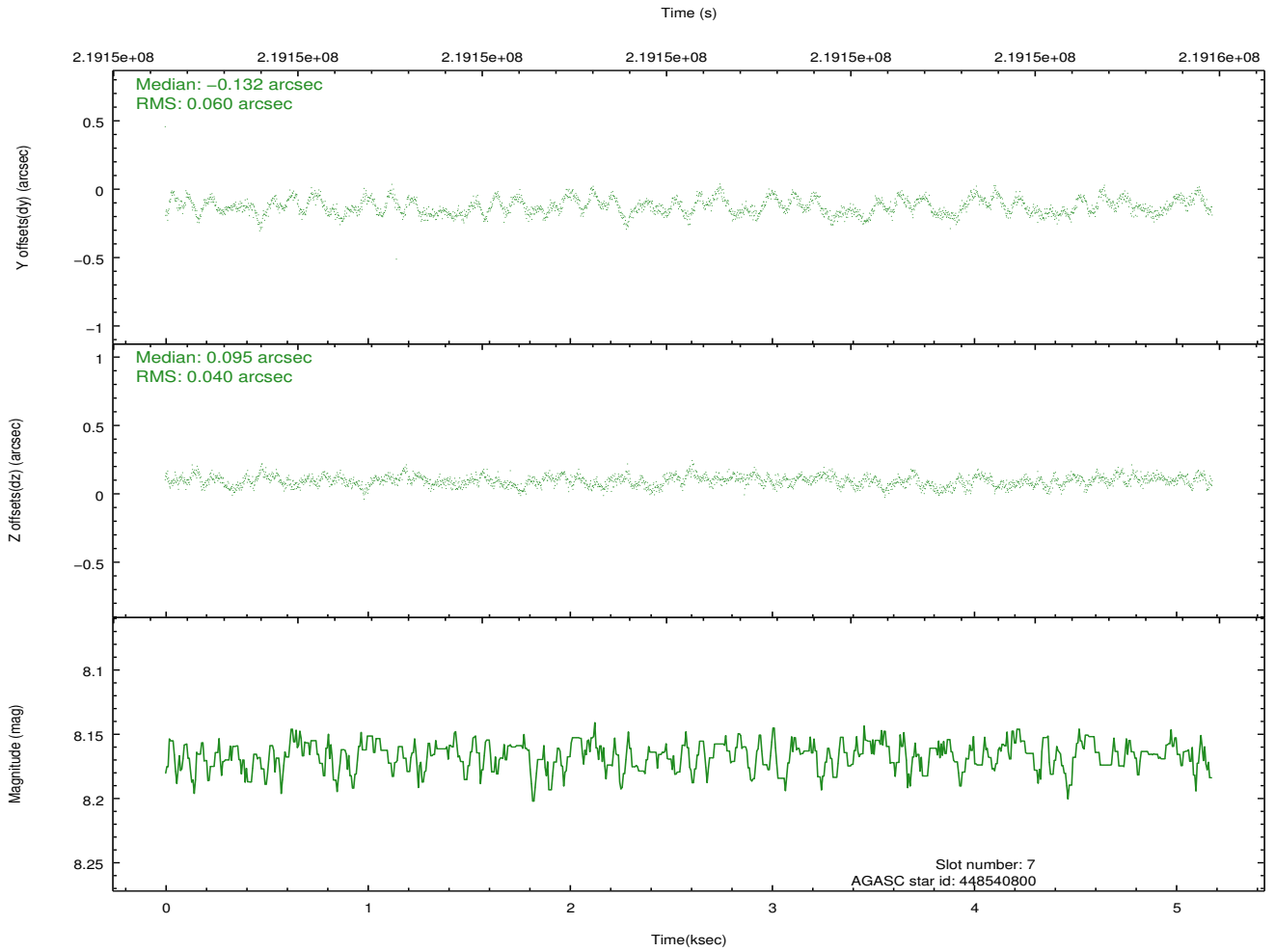
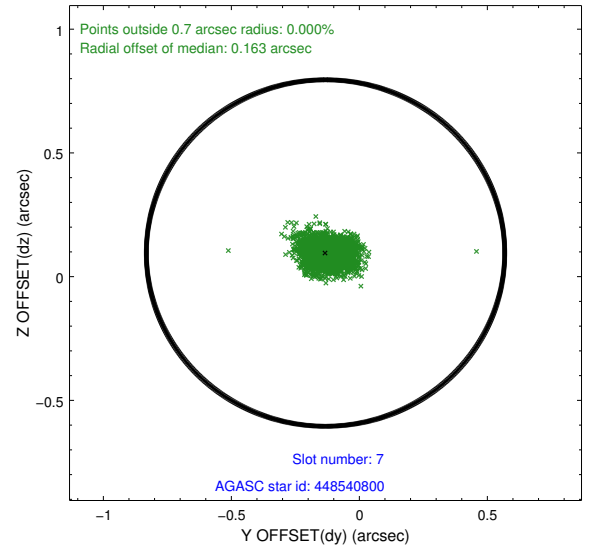
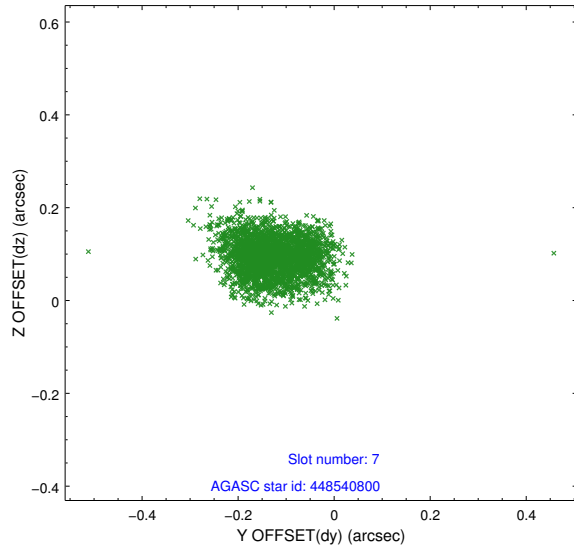


## 2.4.4 Slot 6



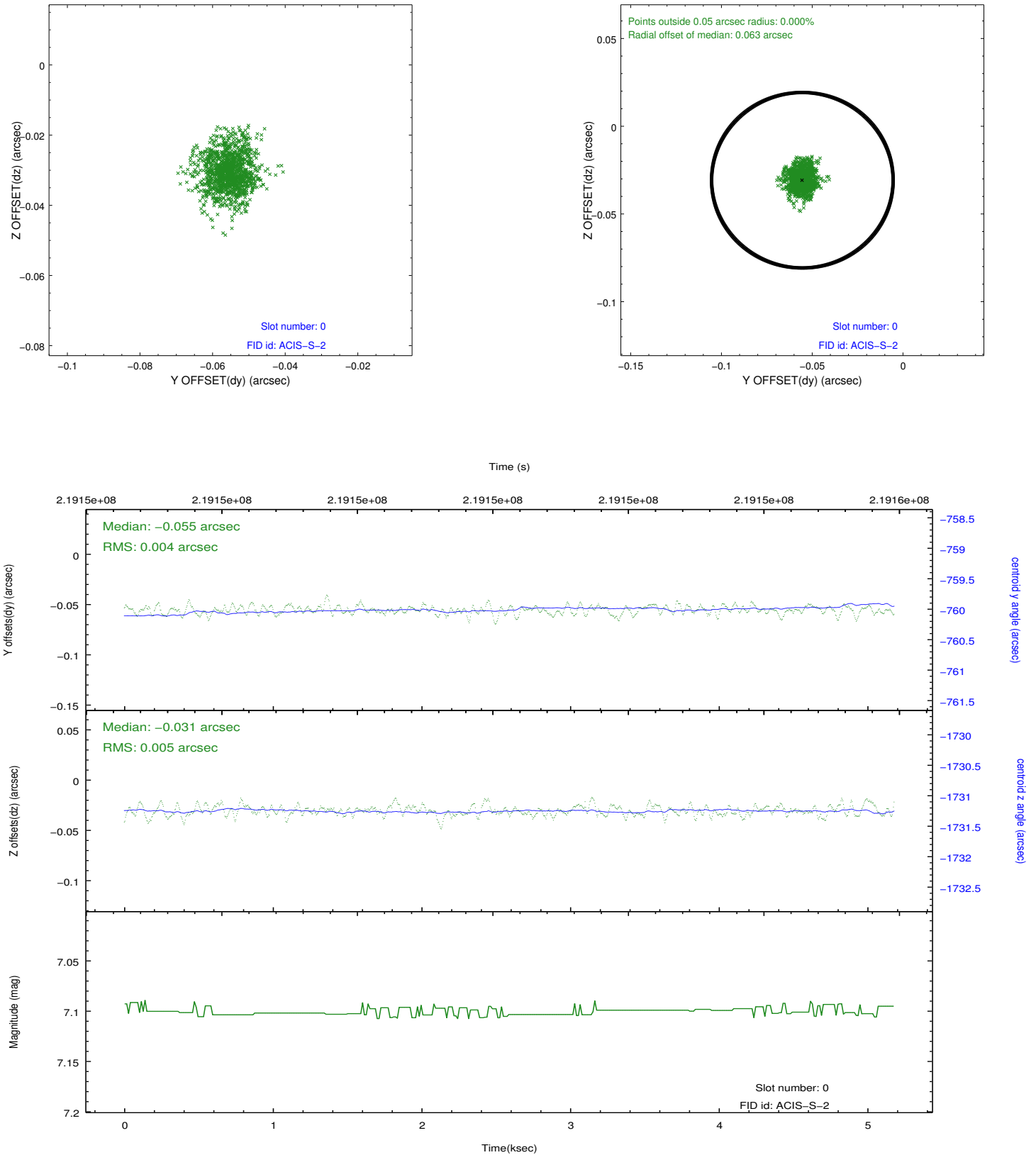


## 2.4.5 Slot 7

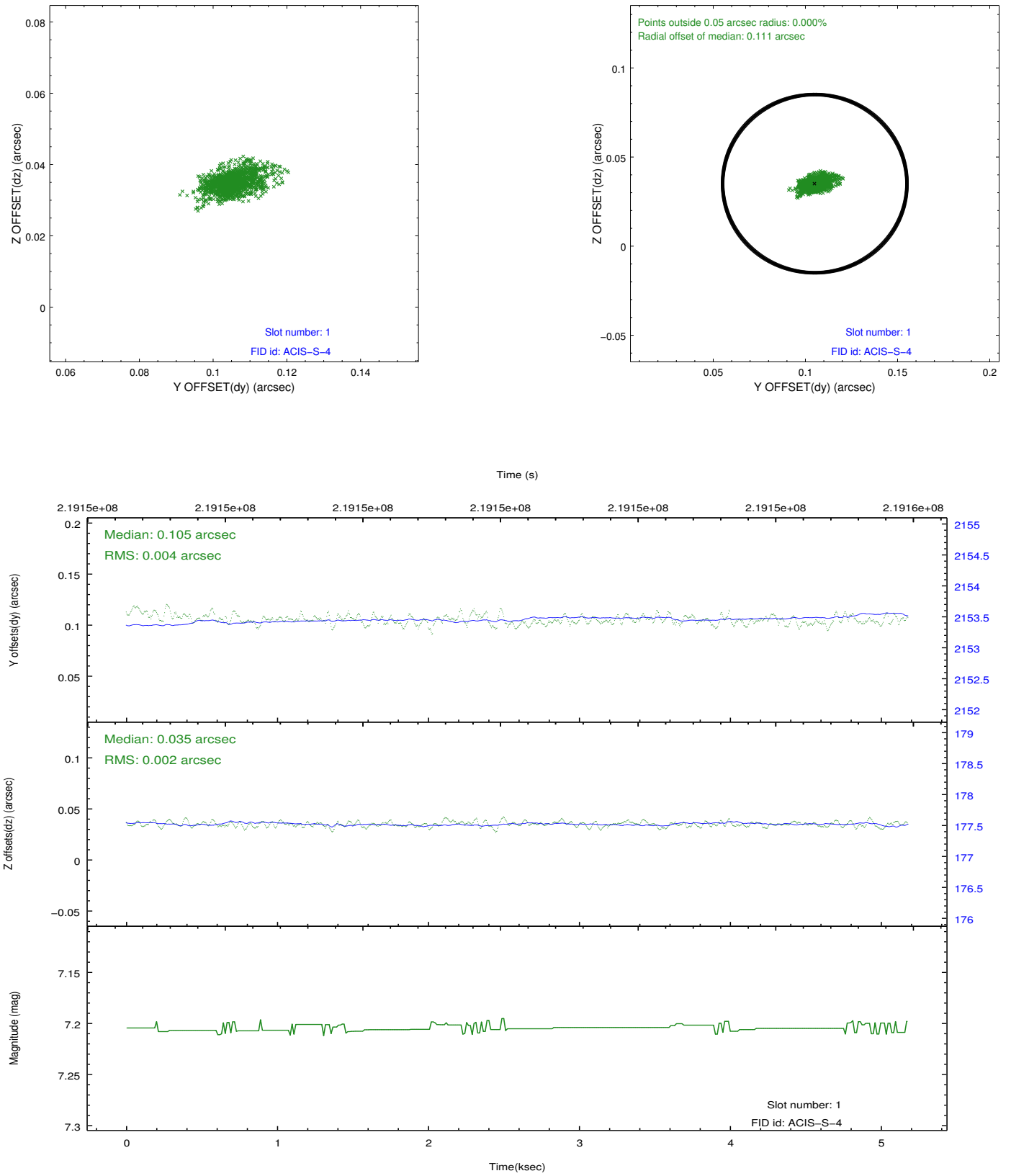


## 2.5 FID Slots

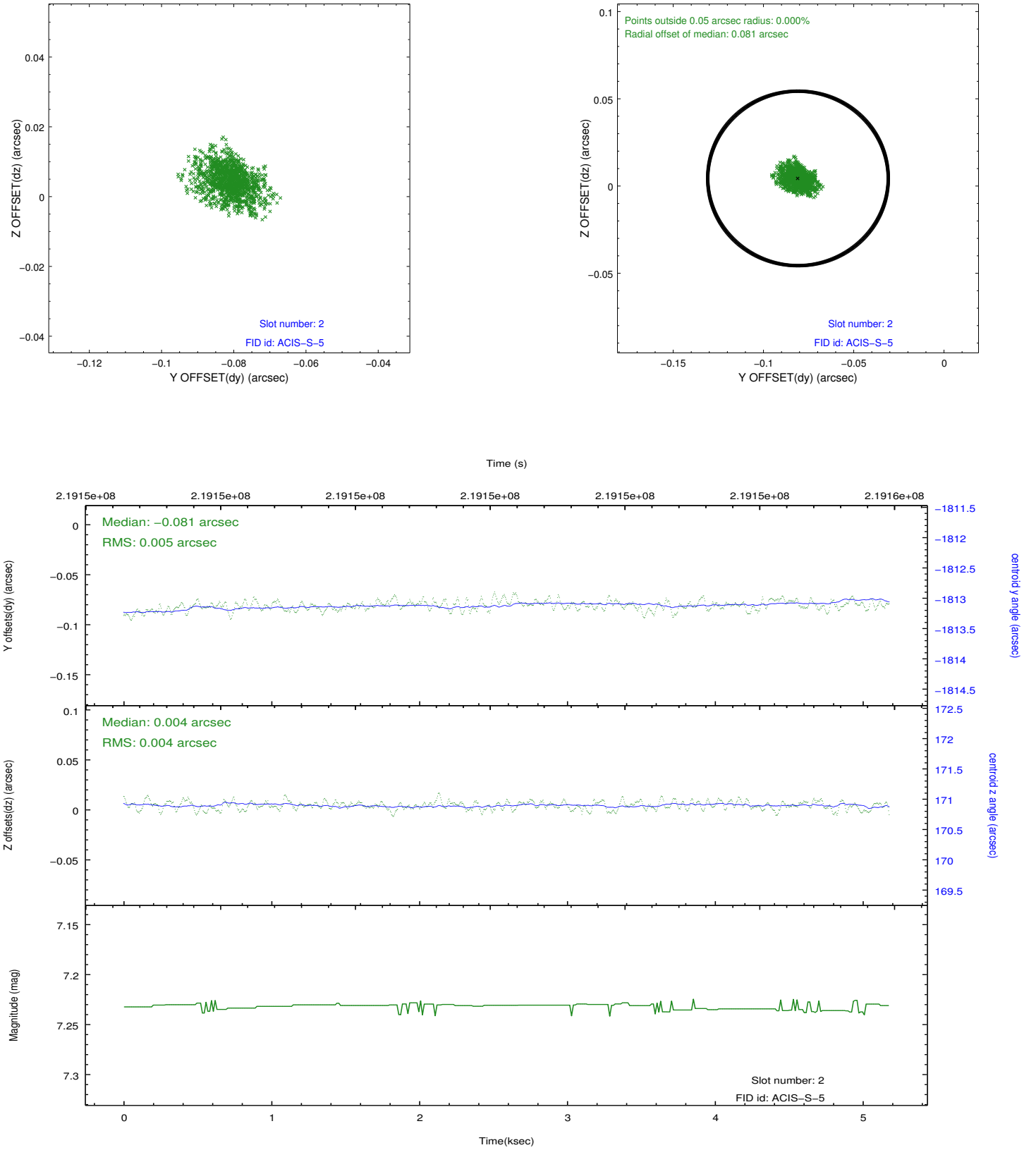
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1816

### A.2 Comments