

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 6311 - L2 Version 3  
Chandra X-Ray Center

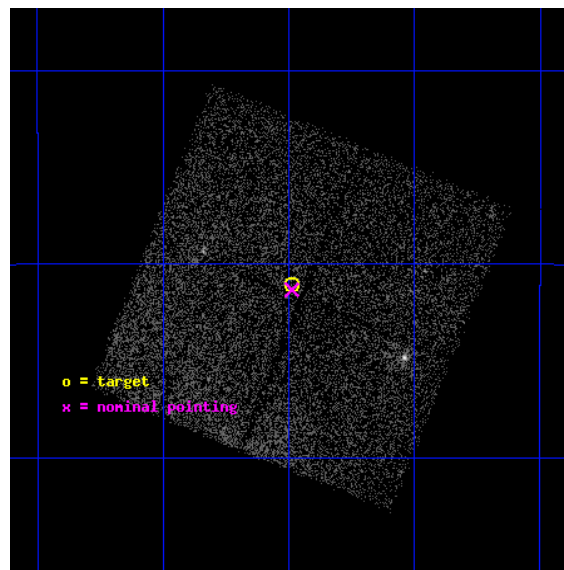
L2 Processing Date : Dec 25 2012

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# 1 Front

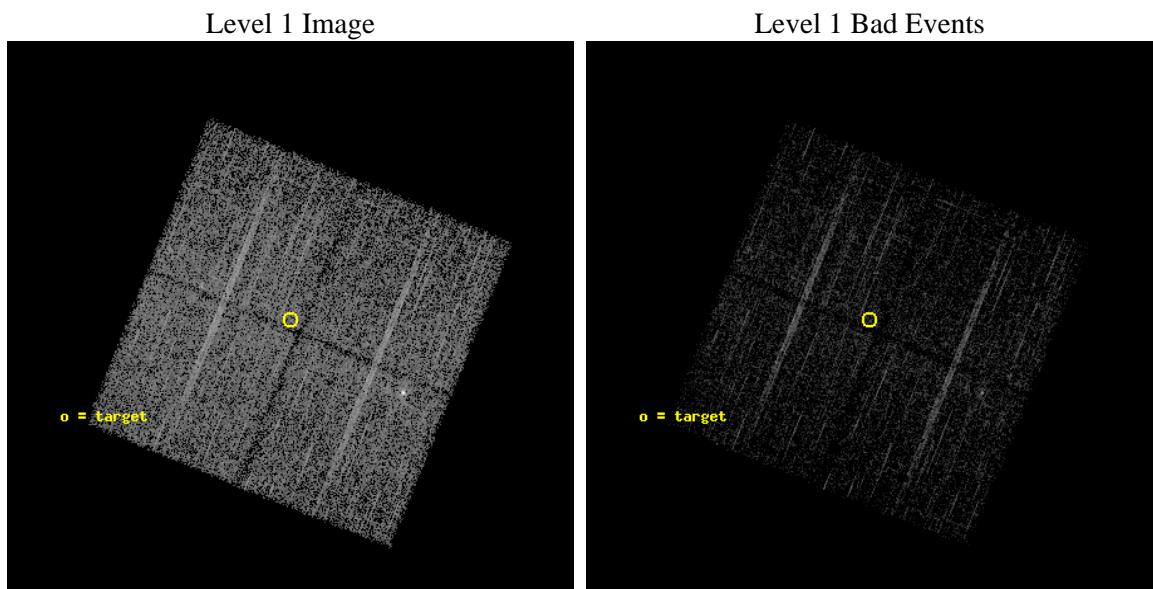
seq_num	400449	Sequence number
obs_id	6311	Observation id
title	Monitoring observations of the Galactic Center region	Proposal tit
observer	Dr. Rudy Wijnands	Principal investigator
object	GRS 1741.9-2853 and XMM J174457-2850.3	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.372083	Observer's specified target RA [deg]
dec_targ	-28.850833	Observer's specified target Dec [deg]
ra_nom	266.37210724429	Nominal RA [deg]
dec_nom	-28.855458891759	Nominal Dec [deg]
roll_nom	292.13752125018	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4060.999992162	Sum of GTIs [s]
livetime	4007.9400375997	Livetime [s]
ontime0	4060.999992162	Sum of GTIs [s]
ontime1	4060.999992162	Sum of GTIs [s]
ontime2	4060.999992162	Sum of GTIs [s]
ontime3	4060.999992162	Sum of GTIs [s]
l2events	25131	Number of level 2 events



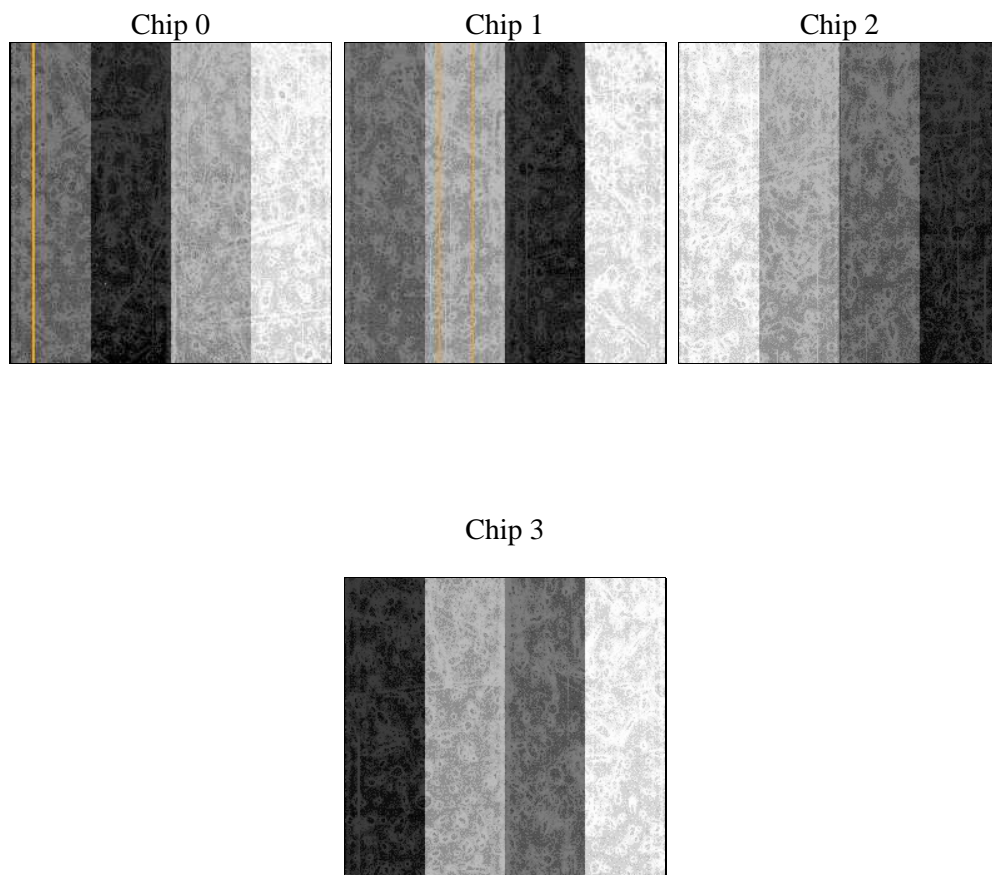
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3900.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	4060.999992162	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime0	4060.999992162	Sum of GTIs [s]
date	2012-12-25T20:53:19	Date and time of file creation	ontime1	4060.999992162	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4060.999992162	Sum of GTIs [s]
			ontime3	4060.999992162	Sum of GTIs [s]
			l1events	140605	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	34860	32168	37763	35814
rejected events	26807	26687	29150	29895
rejected %	76%	82%	77%	83%

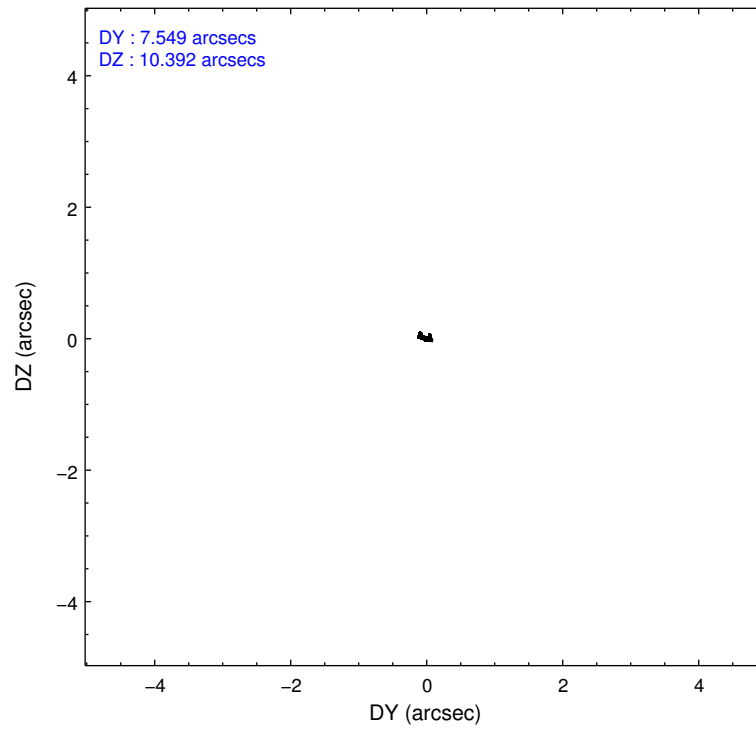
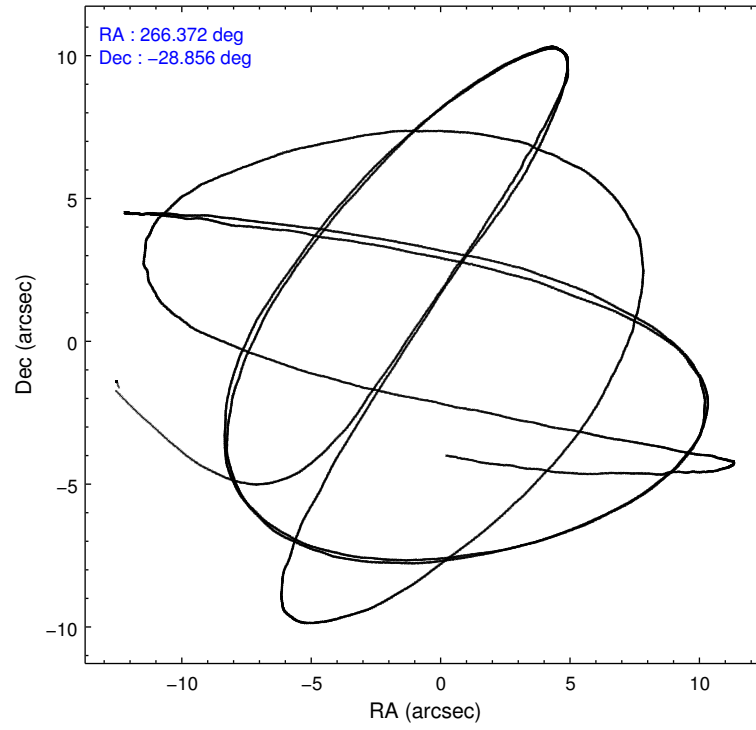
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	4654	2662	5297	3279
	13%	8%	14%	9%
grade 1 events	60	23	41	34
	0%	0%	0%	0%
grade 2 events	1523	1175	1486	1080
	4%	3%	3%	3%
grade 3 events	579	491	651	474
	1%	1%	1%	1%
grade 4 events	595	454	598	495
	1%	1%	1%	1%
grade 5 events	1427	1429	1336	1590
	4%	4%	3%	4%
grade 6 events	1028	961	987	841
	2%	2%	2%	2%
grade 7 events	24994	24973	27367	28021
	71%	77%	72%	78%

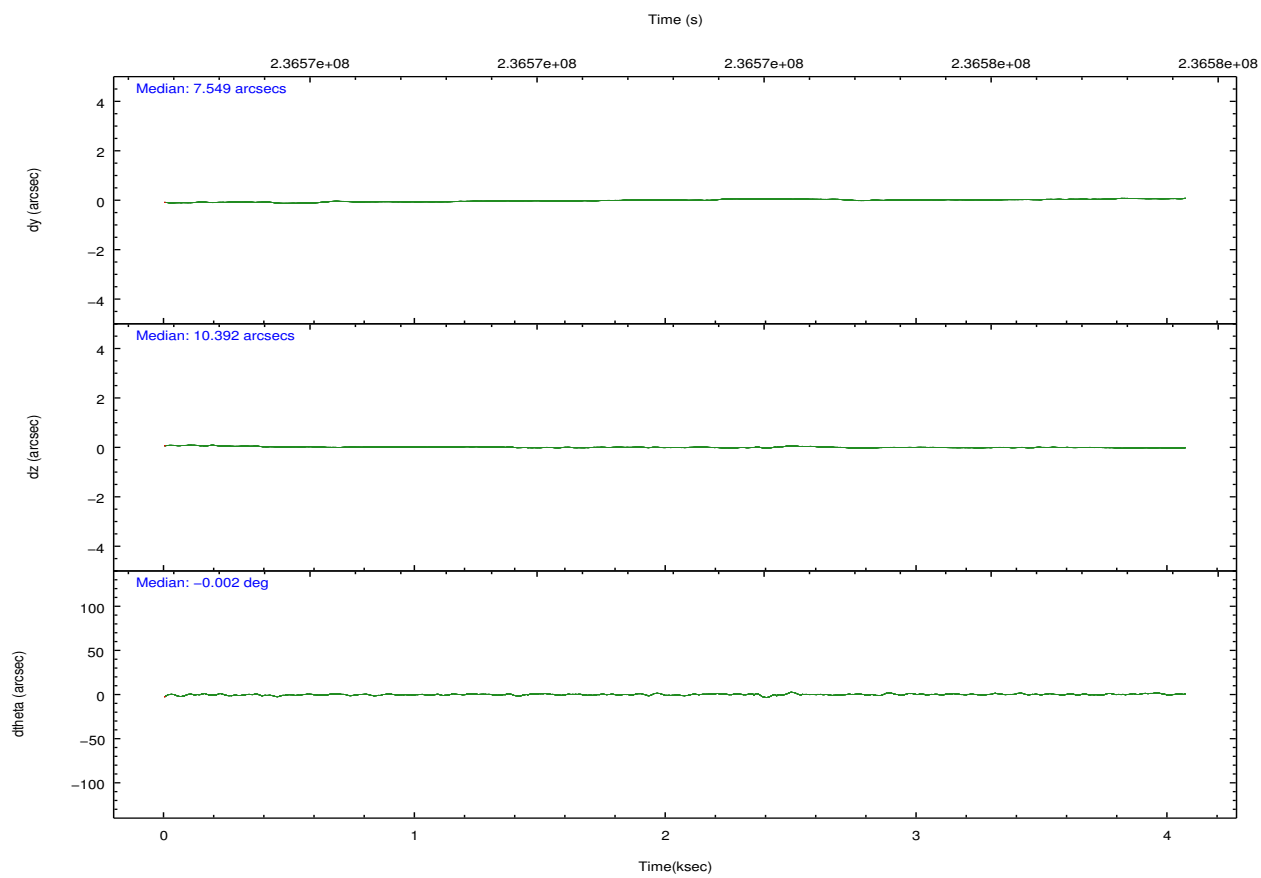
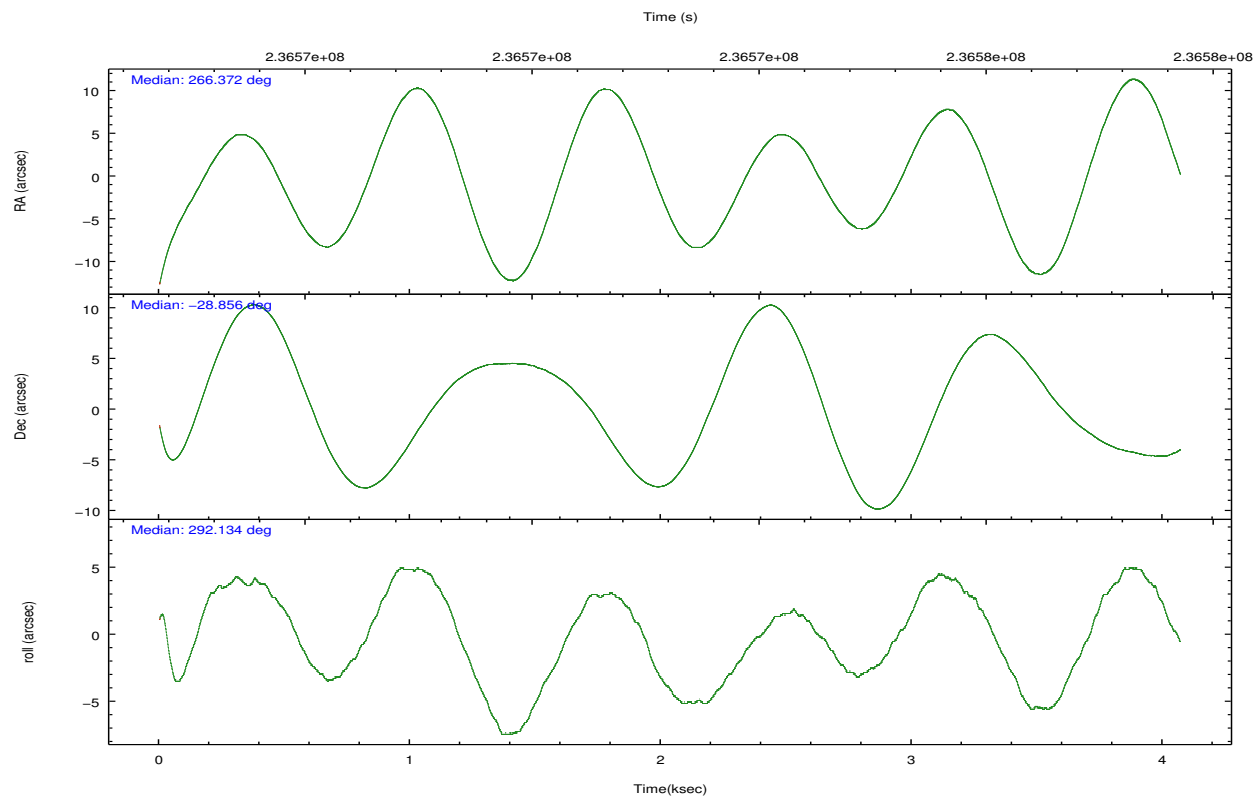


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	266.347248	266.3721072442872	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.838747	-28.85545889175928	Alternating exposures requested	N	N
[deg] Pointing Roll	291.916805	292.1375212501819	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	236217664.184000	236217664.184000			
[s] Window stop time (MET)	236822464.184000	236822464.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	236571742.184000	236570726.7598			
Observation start date	2005-07-01T02:21:18	2005-07-01T02:05:26			
[s] Observation end time (MET)	236575642.184000	236576492.38507			
Observation end date	2005-07-01T03:26:18	2005-07-01T03:41:32			
Read mode	TIMED	TIMED			

## 2.3 Aspect



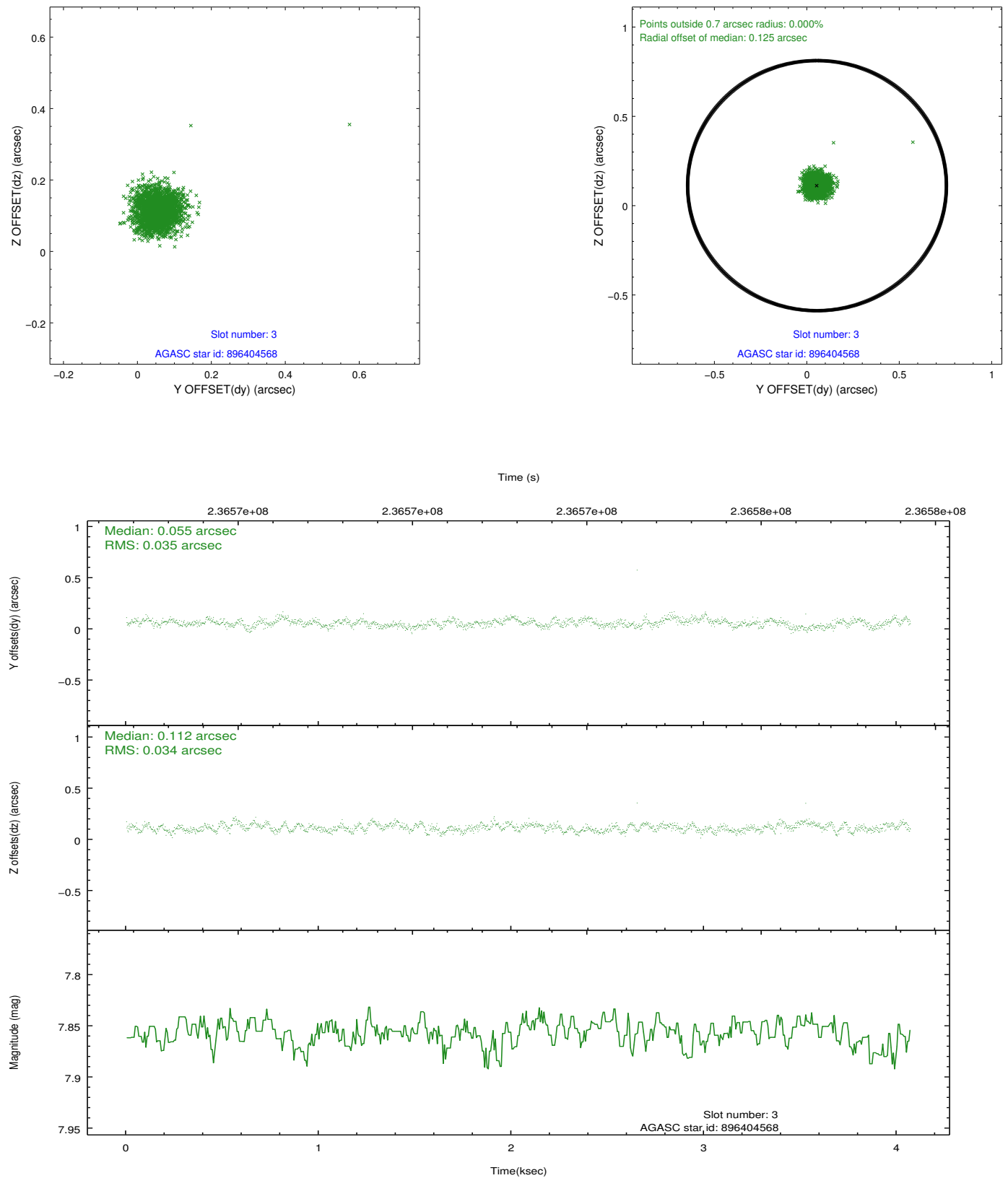


### Slot Statistics

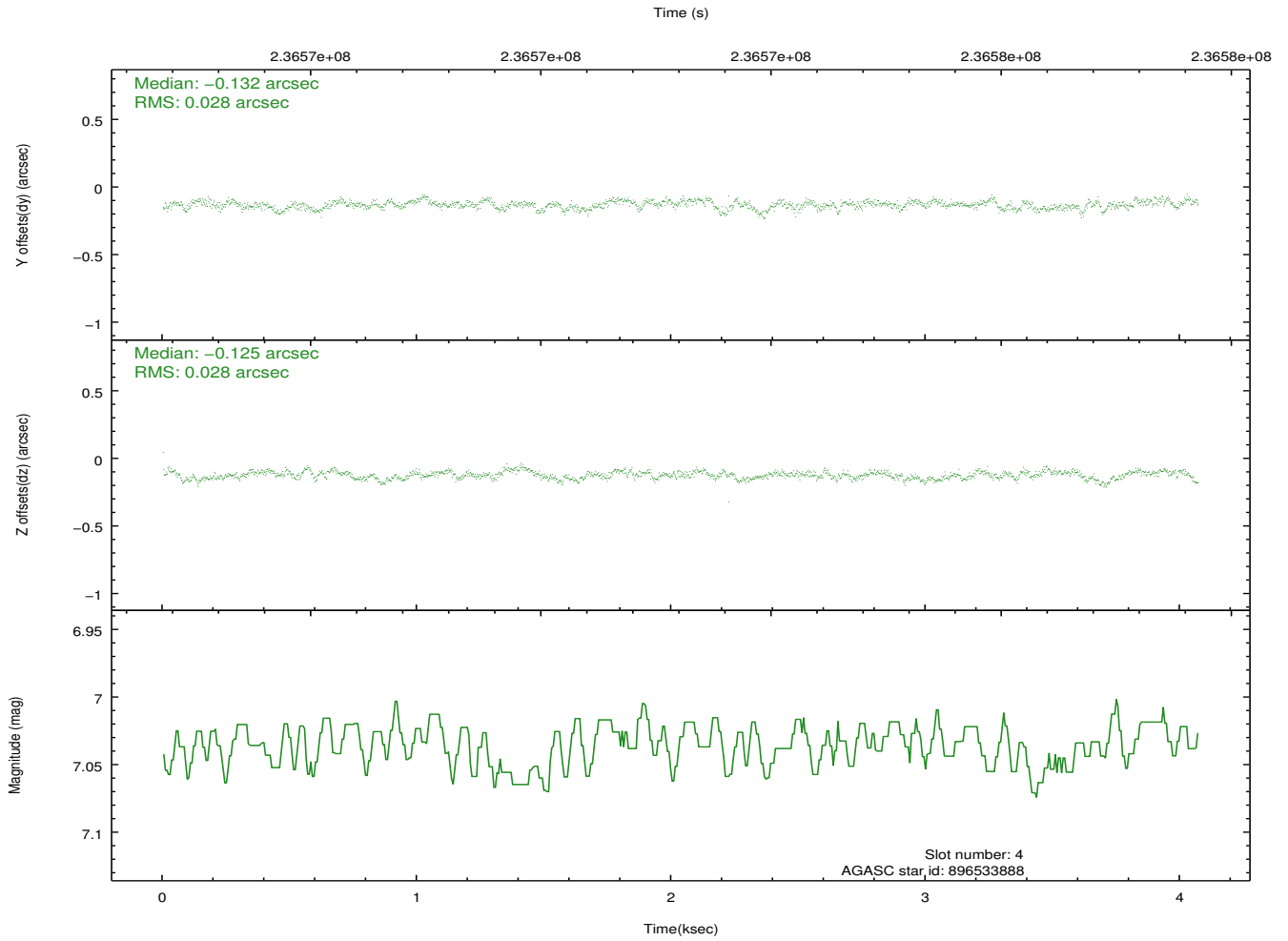
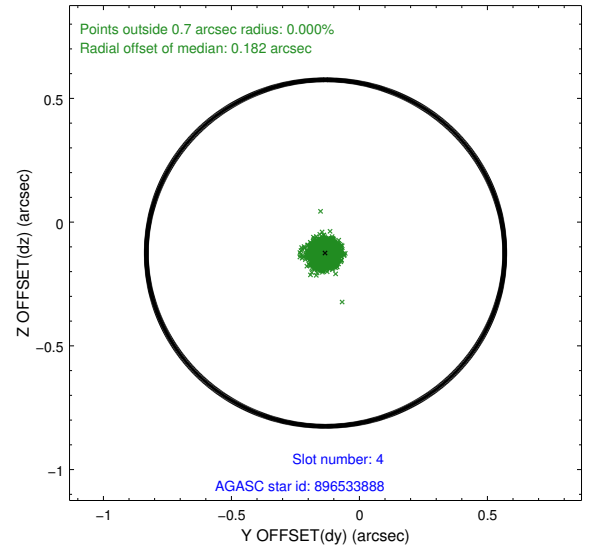
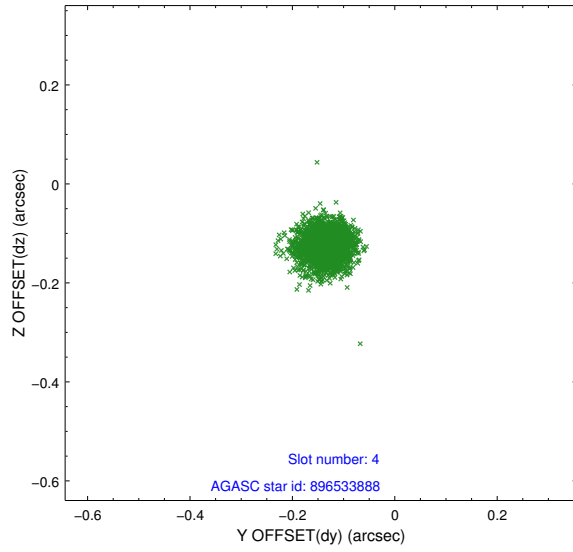
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	993	-0.064	-0.069	0.009	0.016	0.000000	0.000000	-762.12	-840.30
1	FID	ACIS-I-4	7.18	993	0.164	0.061	0.008	0.014	0.000000	0.000000	2151.49	1065.20
2	FID	ACIS-I-5	7.22	993	-0.201	0.077	0.010	0.016	0.000000	0.000000	-1814.09	1064.85
3	GUIDE	896404568	7.86	1986	0.055	0.112	0.051	0.080	265.687293	-28.431080	-2135.93	-1392.99
4	GUIDE	896533888	7.04	1986	-0.132	-0.125	0.042	0.067	266.666434	-29.392757	2224.00	182.93
5	GUIDE	896538696	6.81	1986	-0.050	-0.044	0.057	0.090	266.298470	-28.325572	-1770.57	545.85
6	GUIDE	896538840	8.92	1983	-0.016	-0.159	0.080	0.131	266.920426	-28.466925	-561.28	2180.61
7	GUIDE	896534000	9.27	1985	0.143	0.213	0.083	0.137	267.299113	-29.228915	2430.24	2246.81

## 2.4 Star Slots

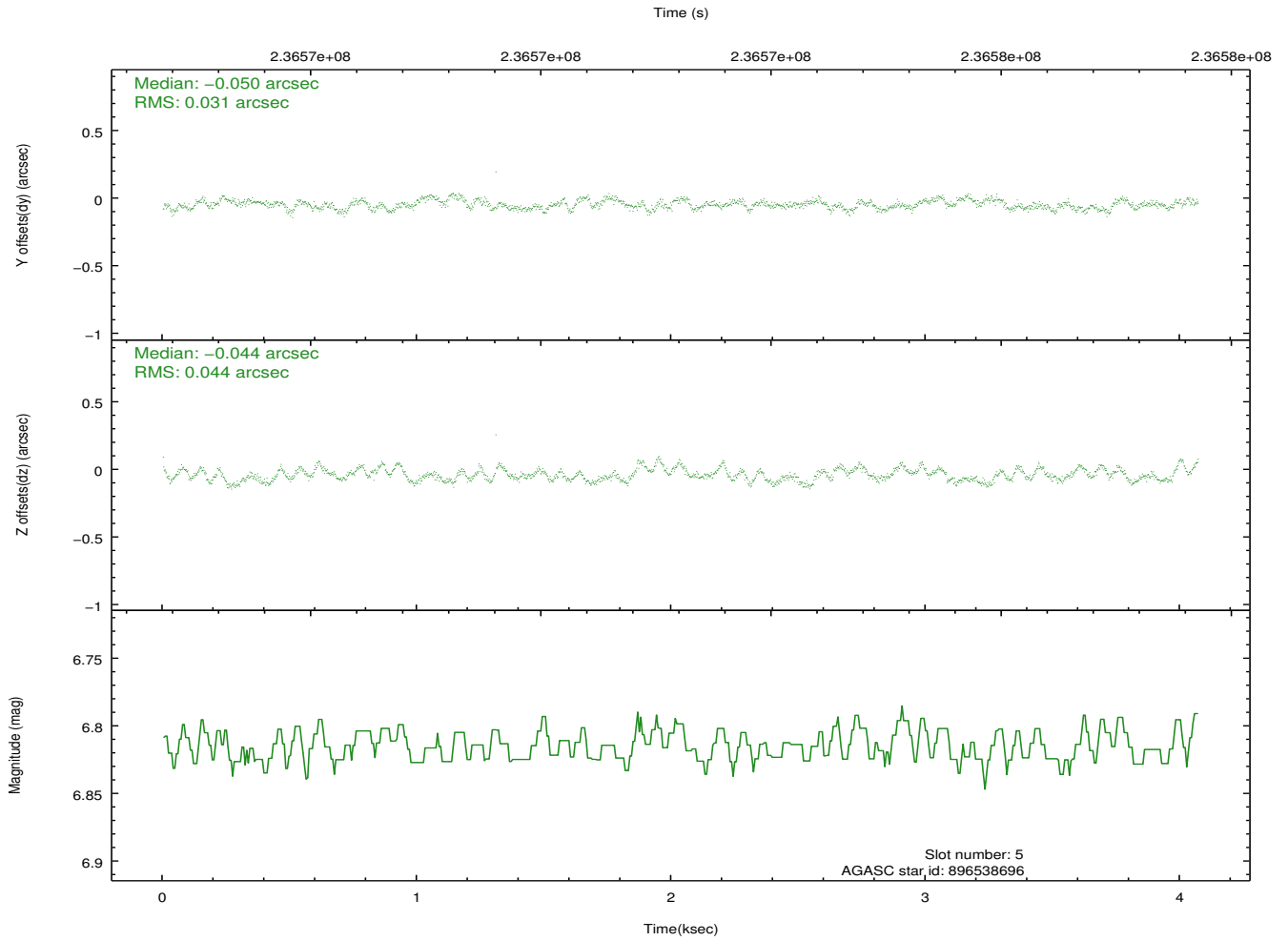
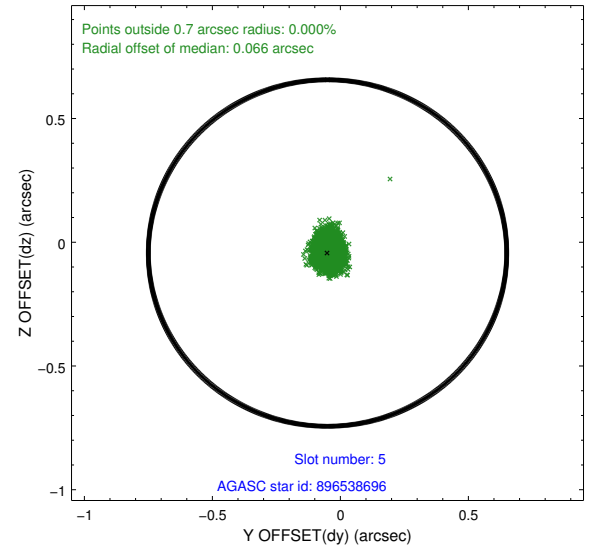
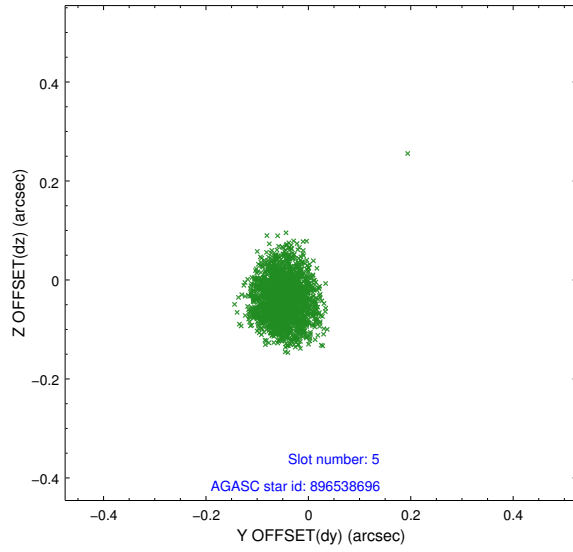
### 2.4.1 Slot 3



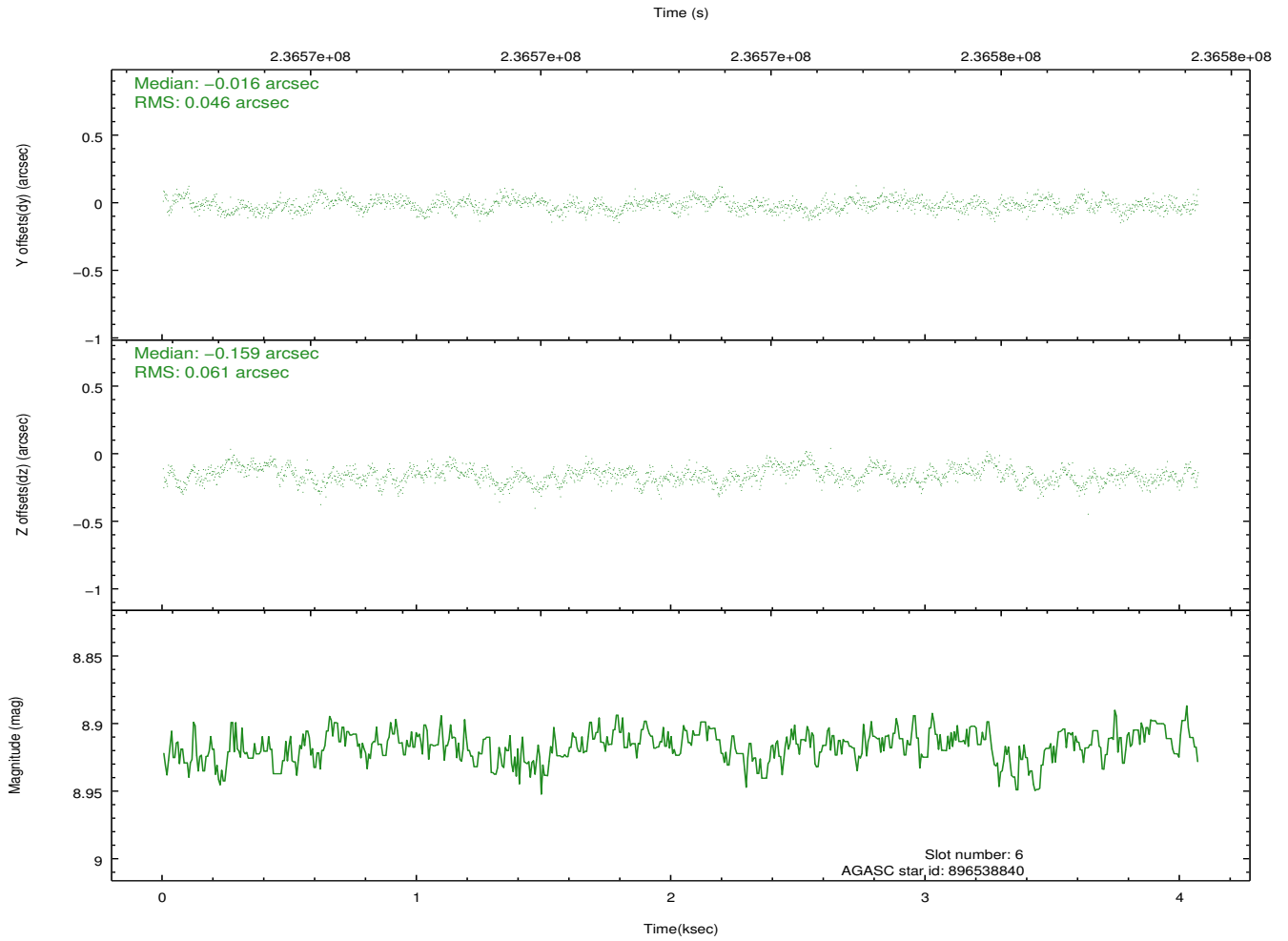
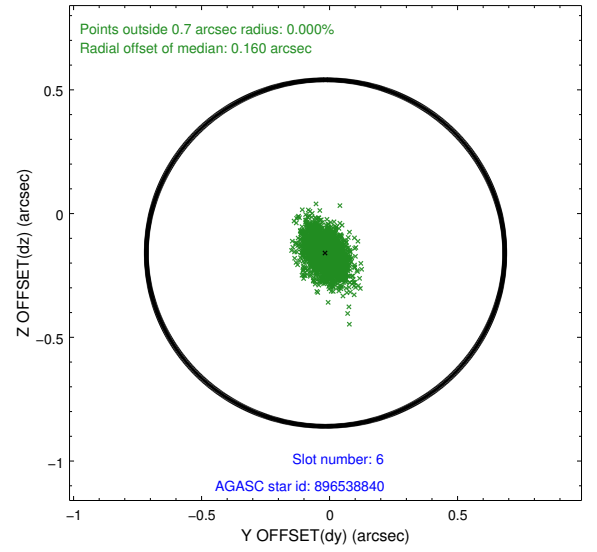
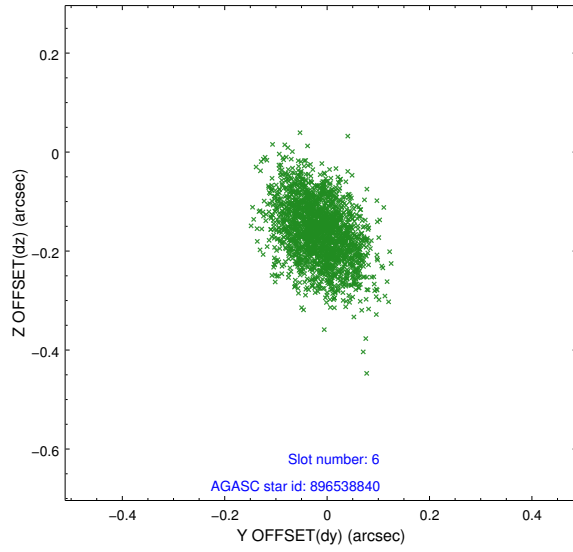
## 2.4.2 Slot 4



### 2.4.3 Slot 5

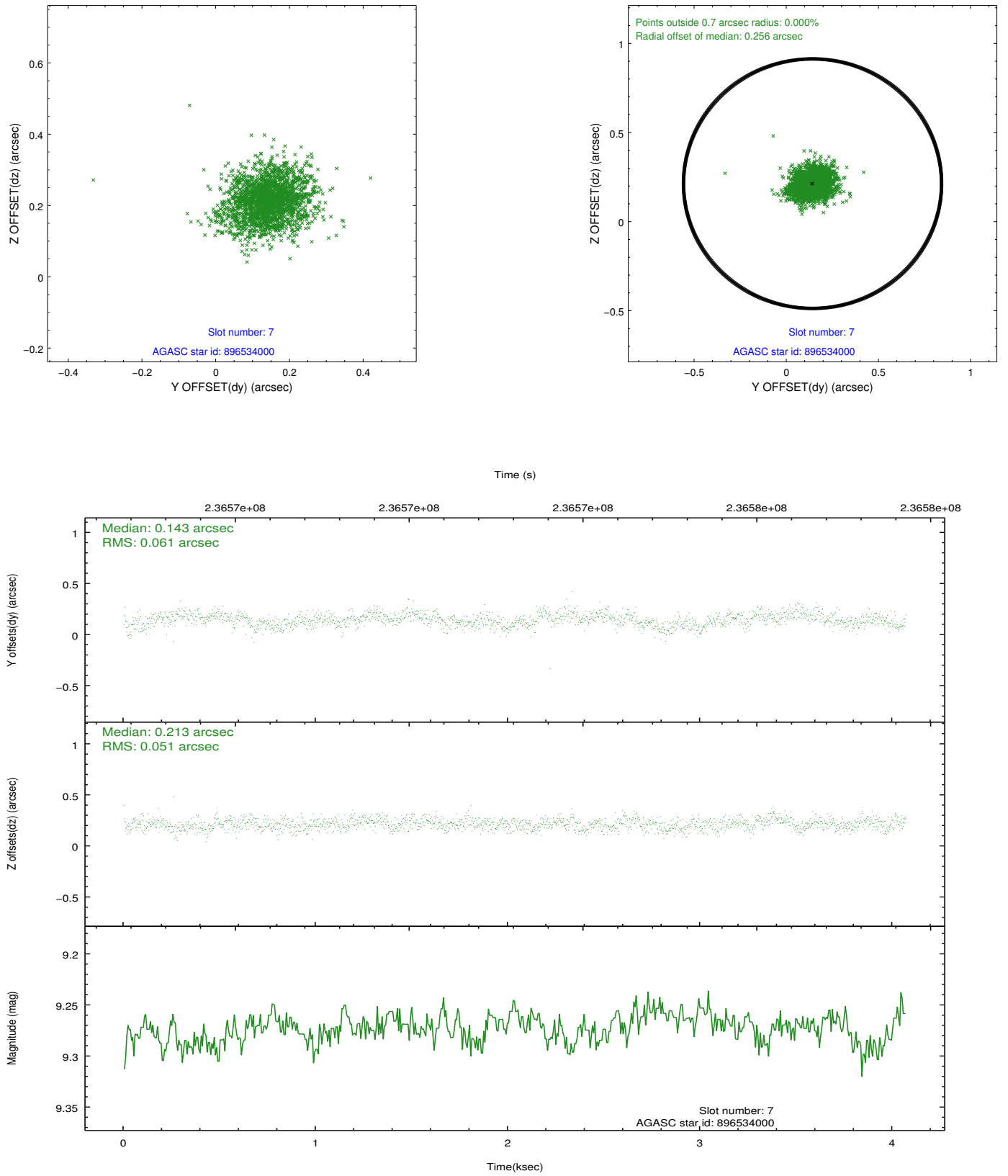


## 2.4.4 Slot 6



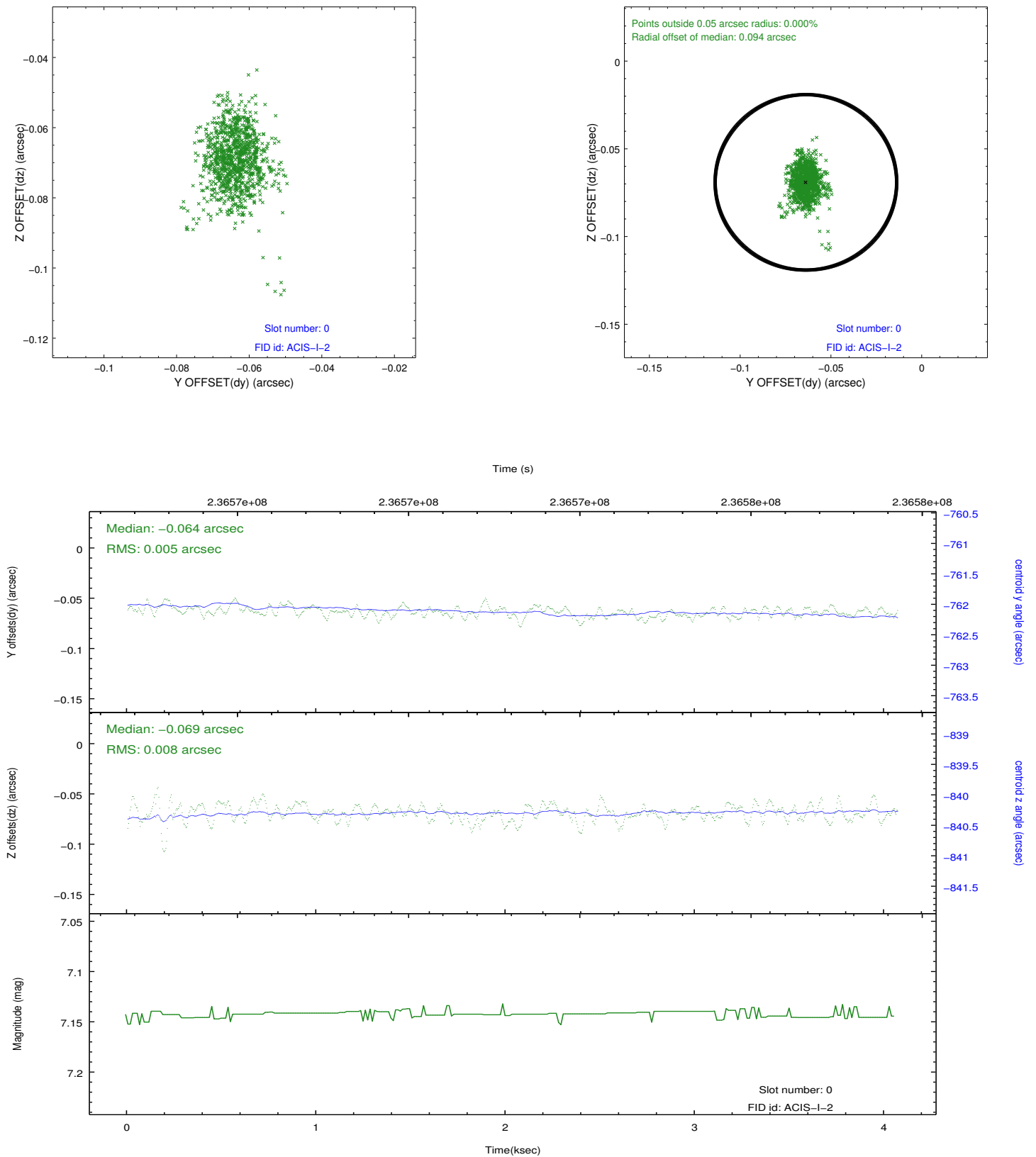


## 2.4.5 Slot 7

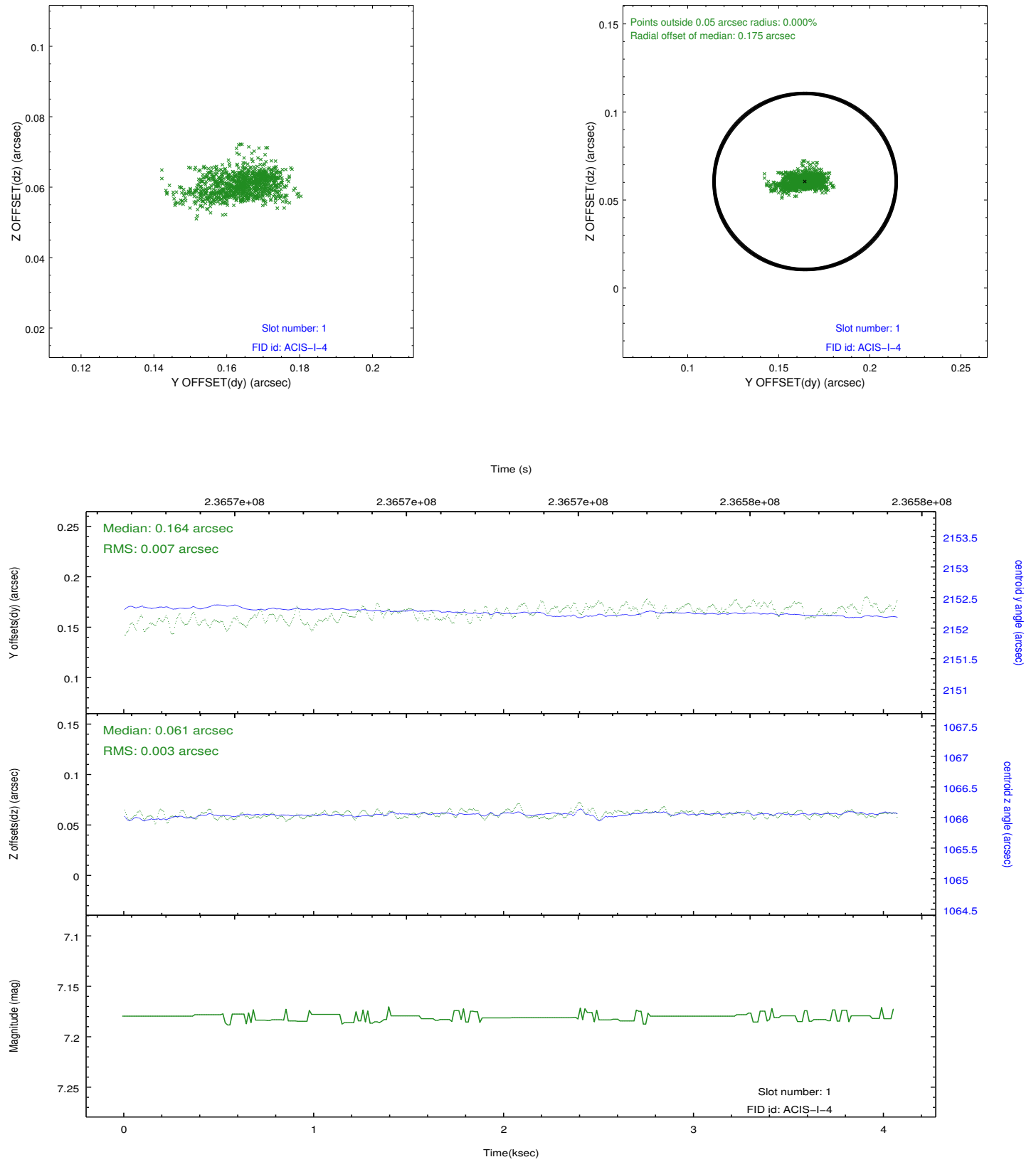


## 2.5 FID Slots

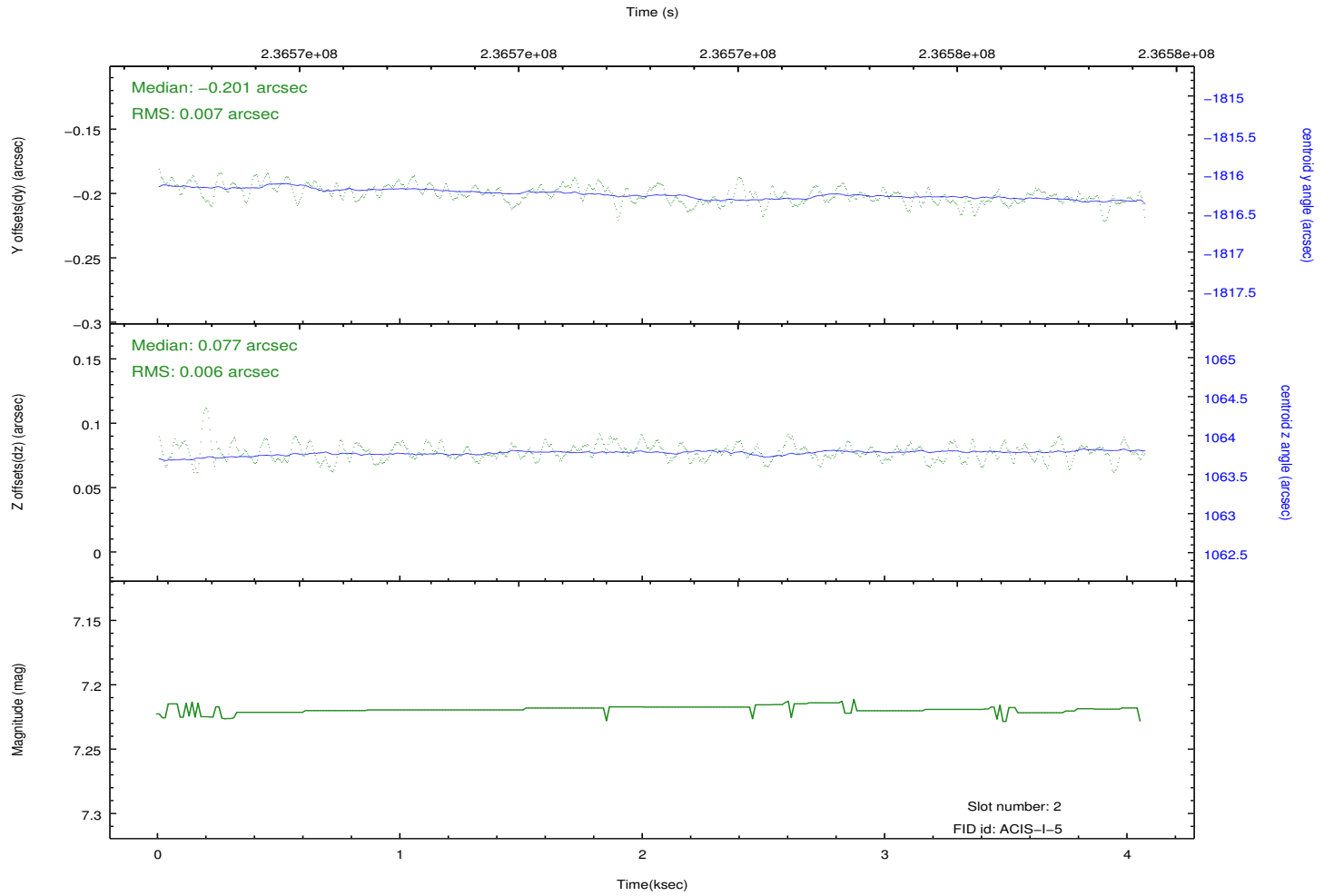
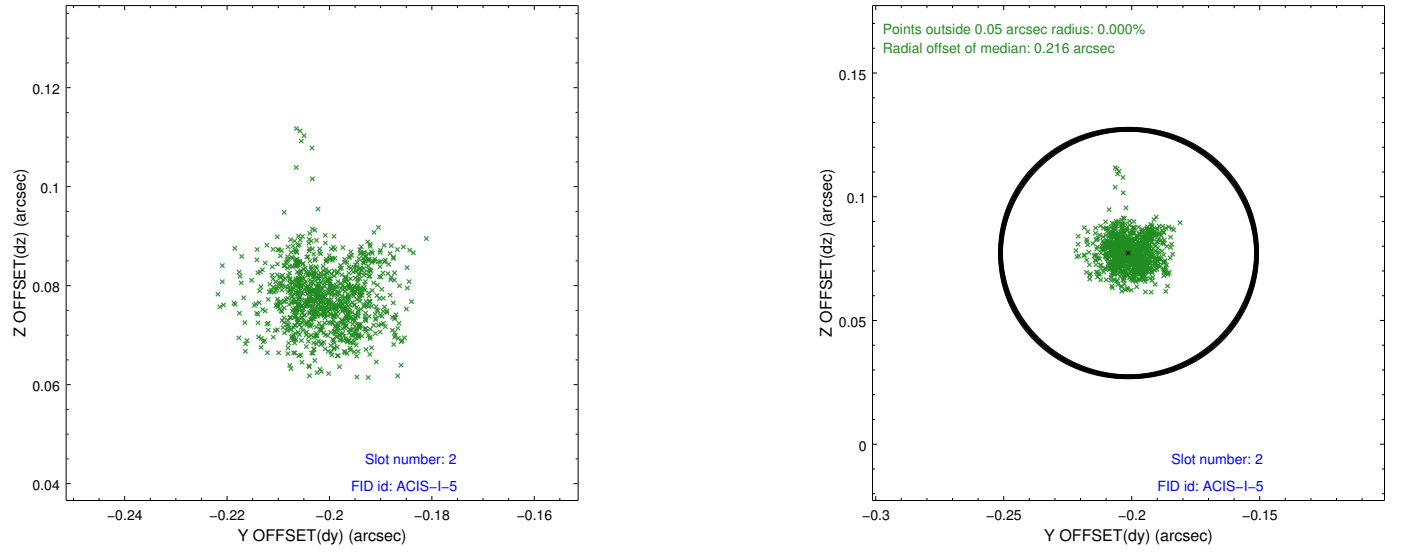
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.060999

### A.2 Comments

Joint Proposal: CXO-XMM. Window constraint met.