

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6299 - L2 Version 2  
Chandra X-Ray Center

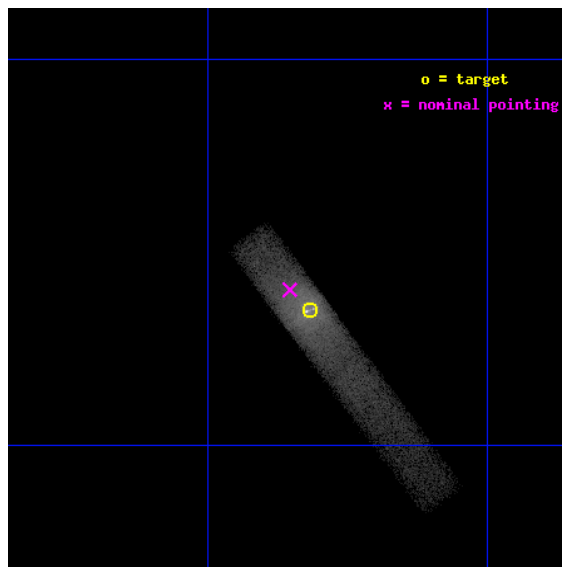
L2 Processing Date : Mar 17 2012

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# 1 Front

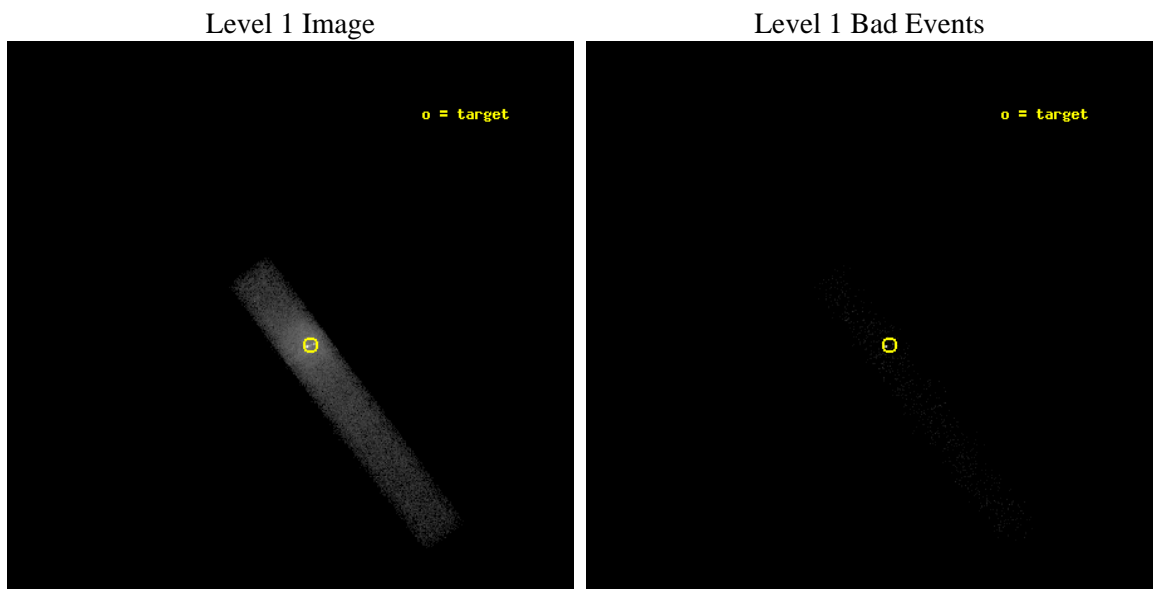
seq_num	701181	Sequence number
obs_id	6299	Observation id
title	HST / Chandra Monitoring of a Dramatic Flare in the M87 Jet	Propos
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.71320572323	Nominal RA [deg]
dec_nom	12.400478857685	Nominal Dec [deg]
roll_nom	53.154678826484	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5132.4000764489	Sum of GTIs [s]
livetime	4654.8159590504	Livetime [s]
ontime7	5132.4000764489	Sum of GTIs [s]
l2events	61976	Number of level 2 events



## 2 OBI

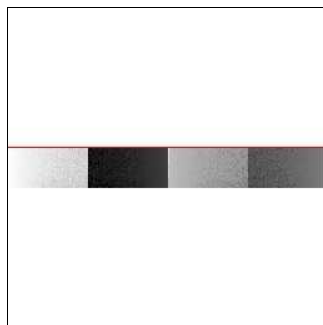
### 2.1 OBI

#### 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	8.4.3	Processing system revision	ontime	5132.4000764489	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime7	5132.4000764489	Sum of GTIs [s]
date	2012-03-17T16:02:22	Date and time of file creation	l1events	73383	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	73383
rejected events	10692
rejected %	14%

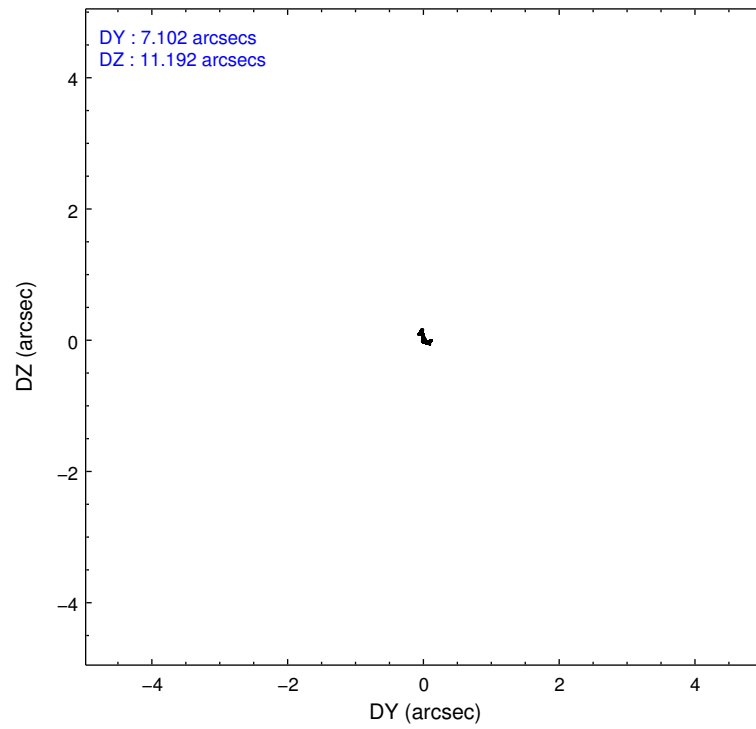
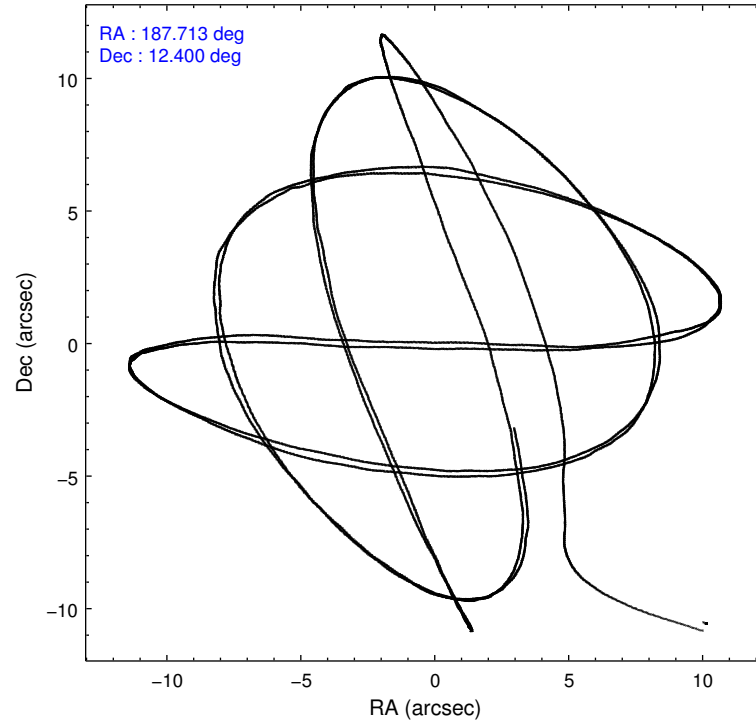
	<b>ccd 7</b>
grade 0 events	19913
	27%
grade 1 events	399
	0%
grade 2 events	16348
	22%
grade 3 events	7595
	10%
grade 4 events	7358
	10%
grade 5 events	2389
	3%
grade 6 events	13663
	18%
grade 7 events	5718
	7%

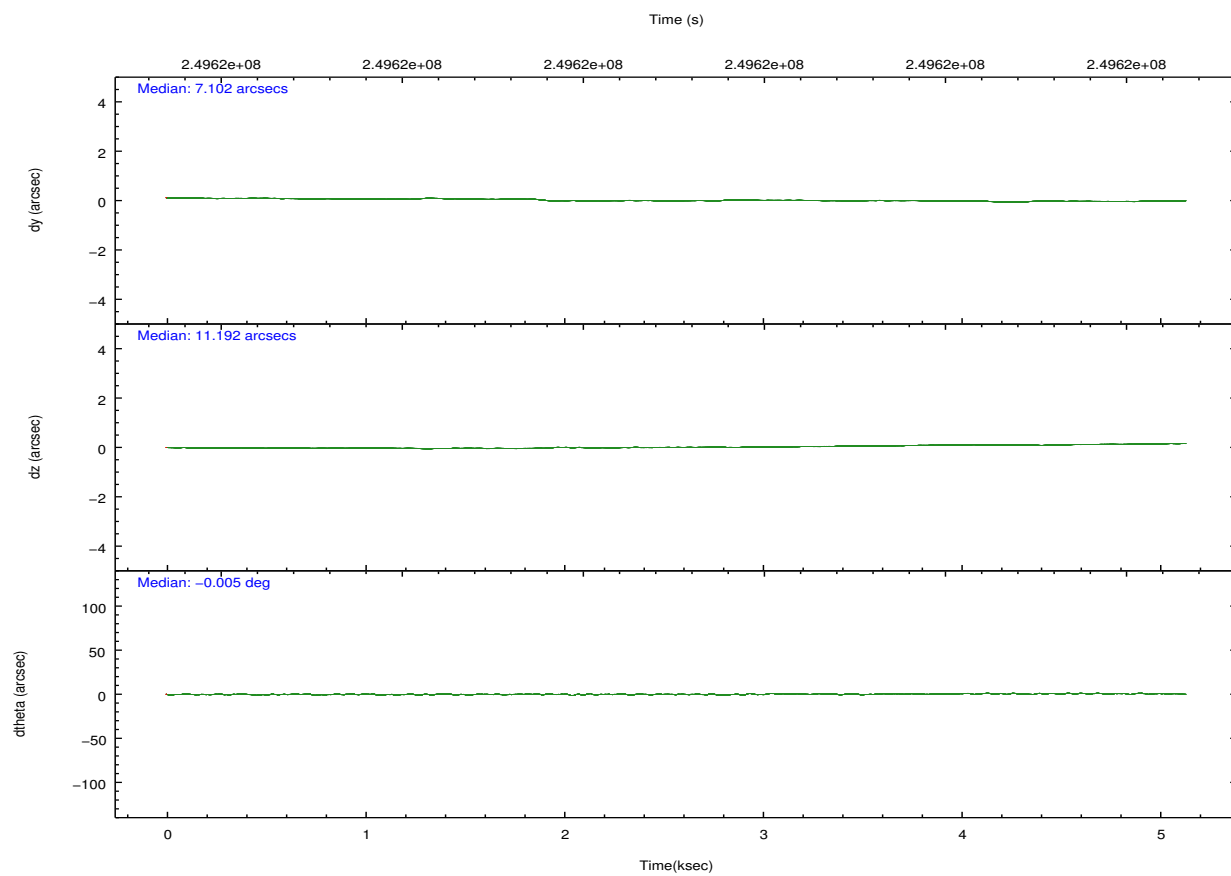
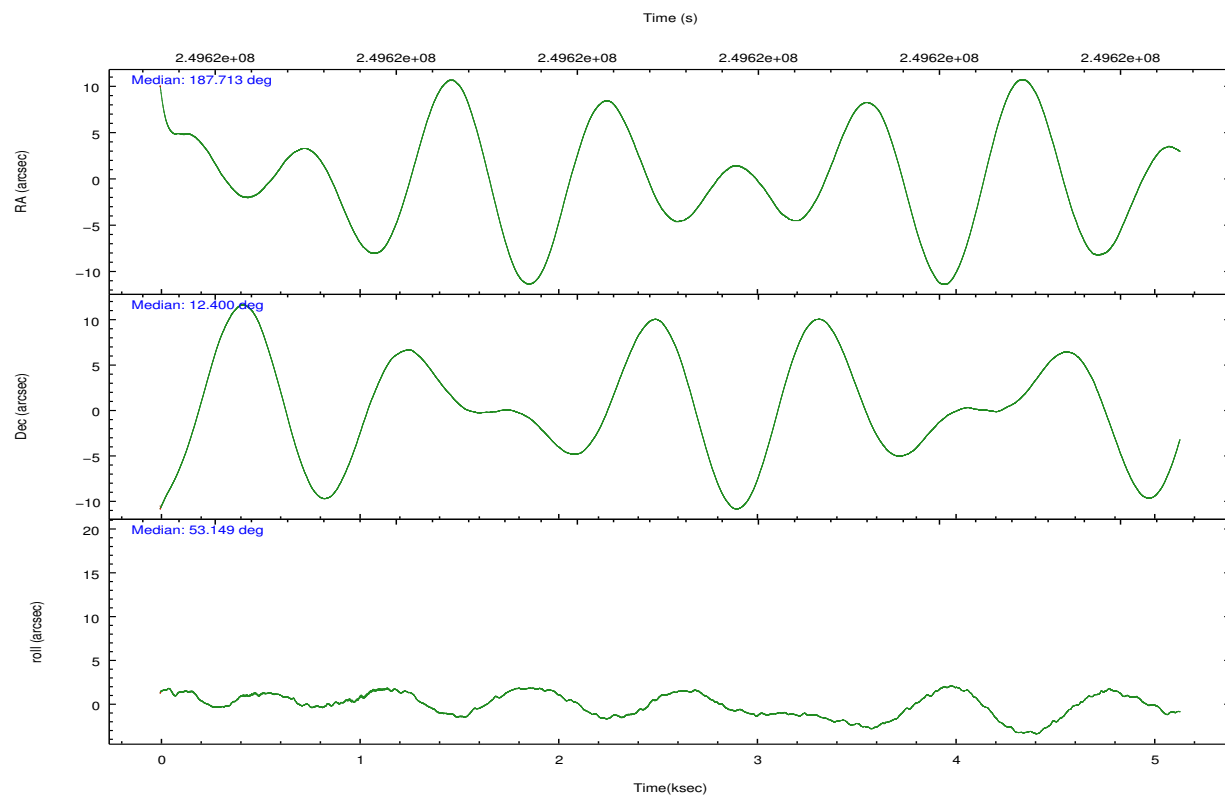


## 2.2 Compared Parameters

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	187.710197	187.7132057232265	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.373450	12.4004788576852	Subarray start row	449	449
[deg] Pointing Roll	52.998704	53.15467882648402	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	249618080.184000	249616914.03437			
Observation start date	2005-11-29T02:20:16	2005-11-29T02:01:54			
[s] Observation end time (MET)	249623080.184000	249623888.64719			
Observation end date	2005-11-29T03:43:36	2005-11-29T03:58:08			
Read mode	TIMED	TIMED			

## 2.3 Aspect



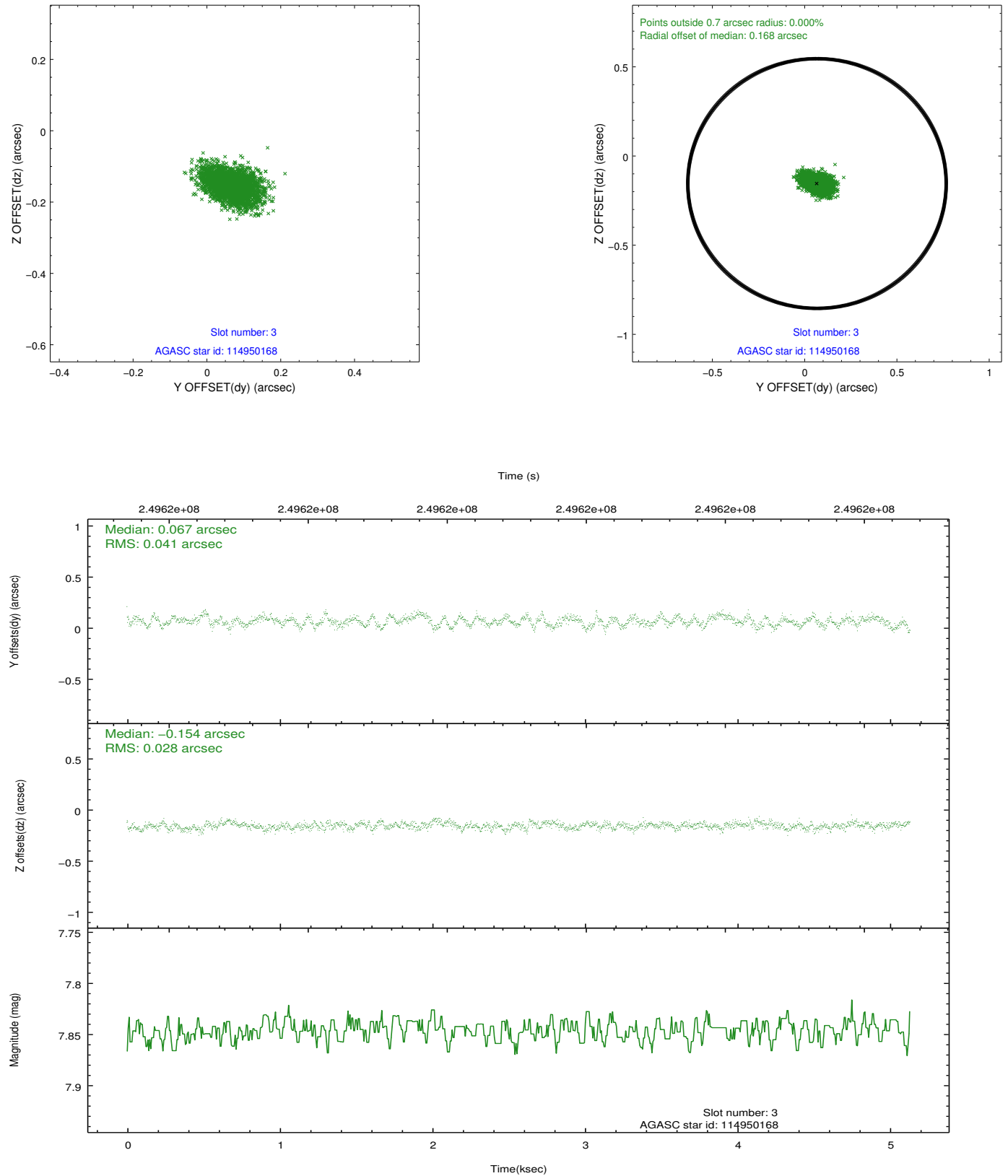


### Slot Statistics

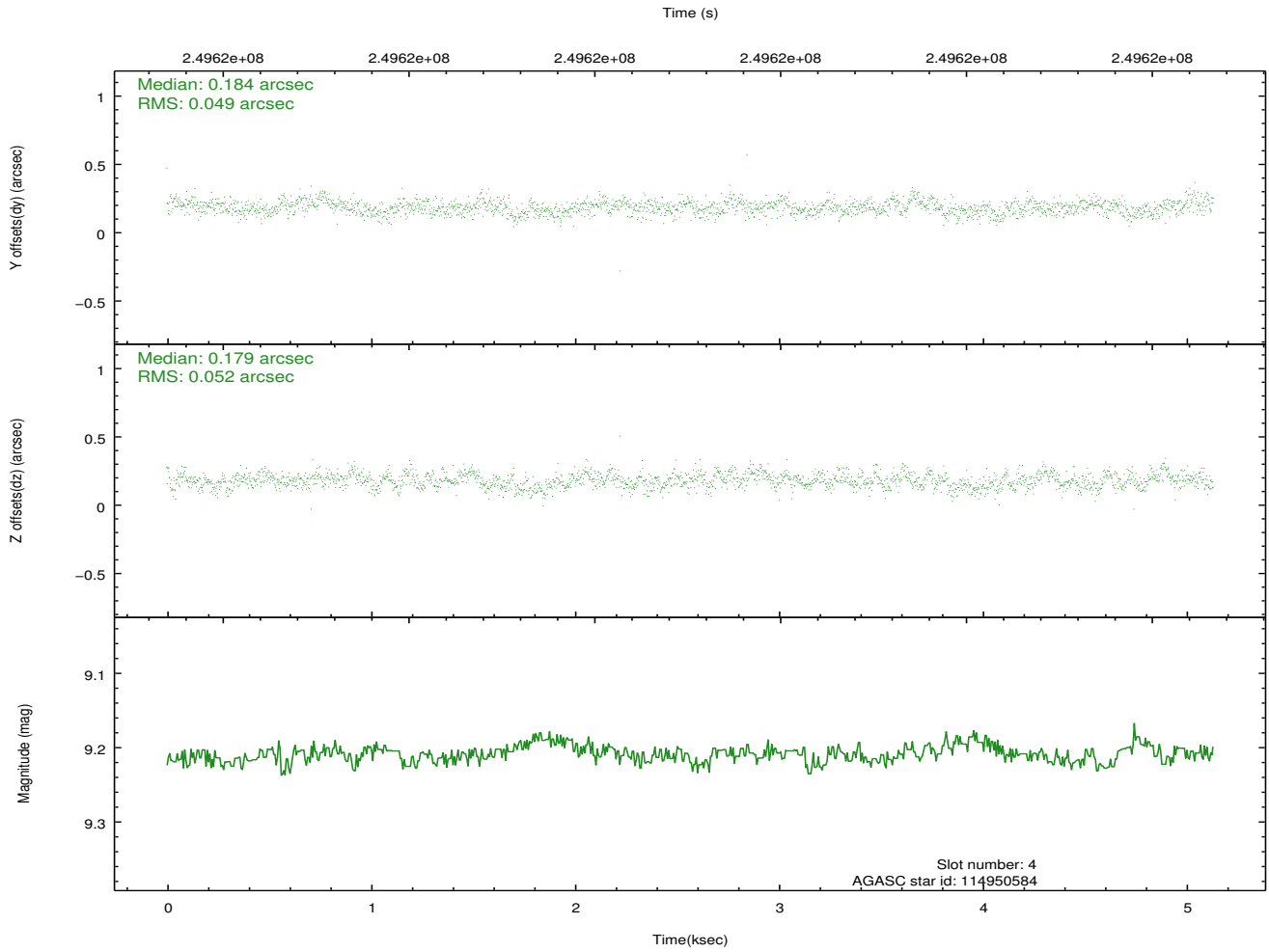
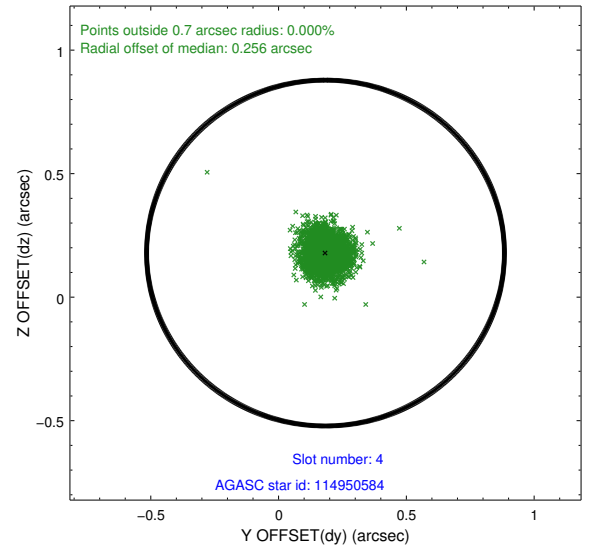
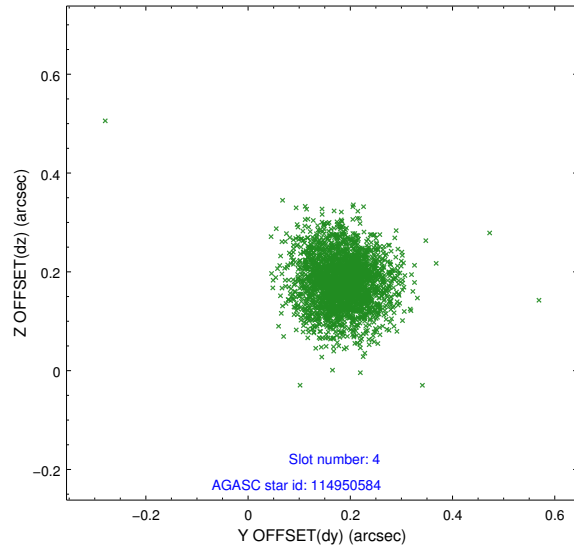
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1253	-0.049	-0.023	0.006	0.011	0.000000	0.000000	-759.89	-1732.48
1	FID	ACIS-S-4	7.21	1253	0.102	0.030	0.006	0.010	0.000000	0.000000	2152.96	174.88
2	FID	ACIS-S-5	7.23	1253	-0.084	0.002	0.007	0.012	0.000000	0.000000	-1811.29	169.81
3	GUIDE	114950168	7.85	2504	0.067	-0.154	0.052	0.088	187.143398	12.117441	-1935.04	1040.10
4	GUIDE	114950584	9.21	2504	0.184	0.179	0.074	0.120	187.487323	11.827248	-2043.29	-554.88
5	GUIDE	114952824	8.56	2502	-0.192	-0.134	0.065	0.108	187.703904	12.486727	311.28	263.58
6	GUIDE	114954440	9.19	2504	0.085	-0.209	0.083	0.135	186.915066	12.219118	-2123.81	1902.24
7	GUIDE	114955056	8.34	2504	-0.146	0.317	0.057	0.095	187.914001	12.127854	-274.96	-1103.04

## 2.4 Star Slots

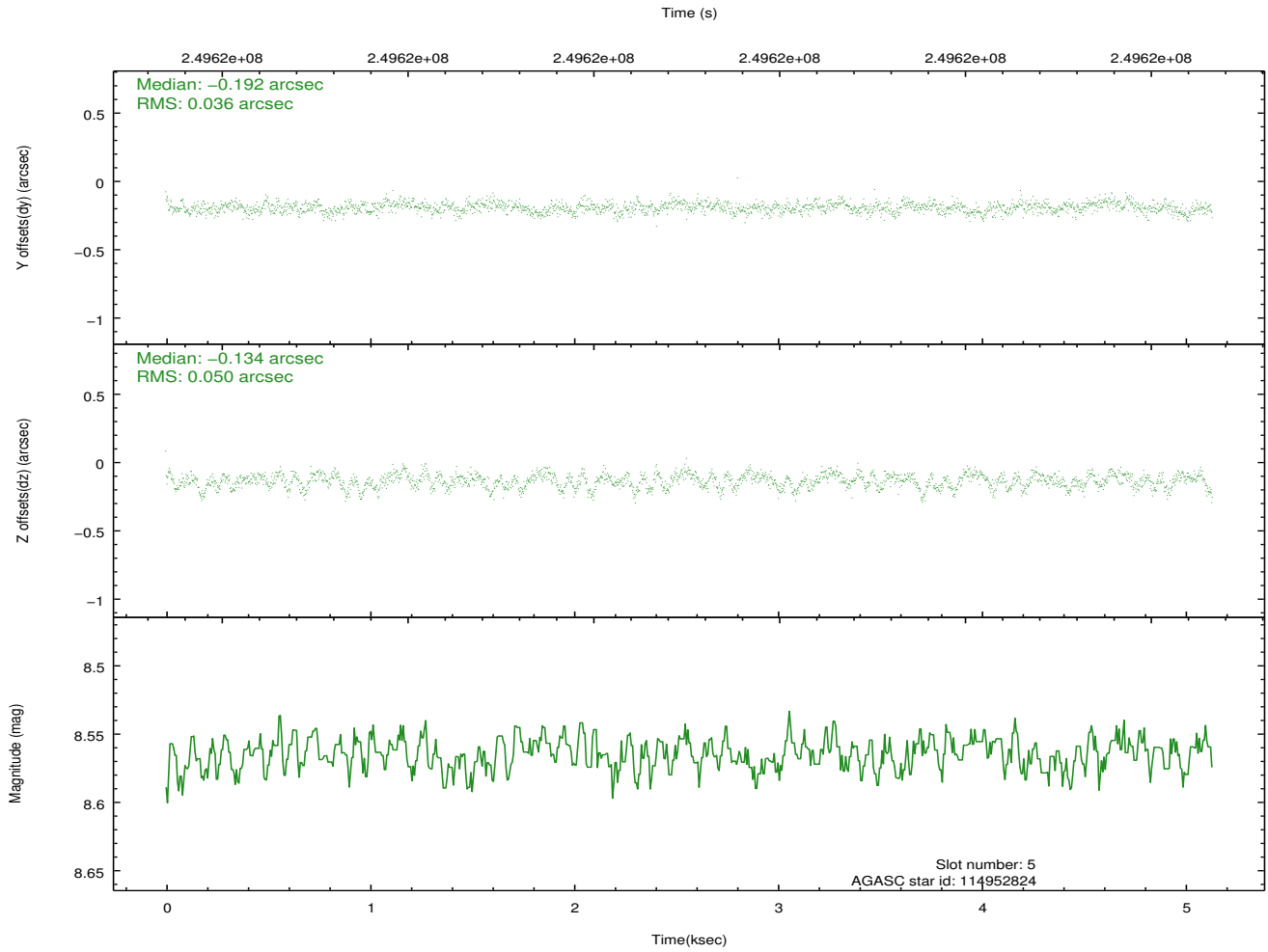
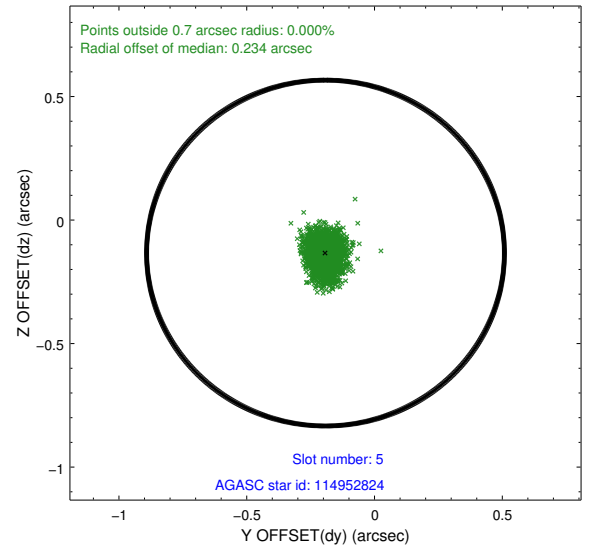
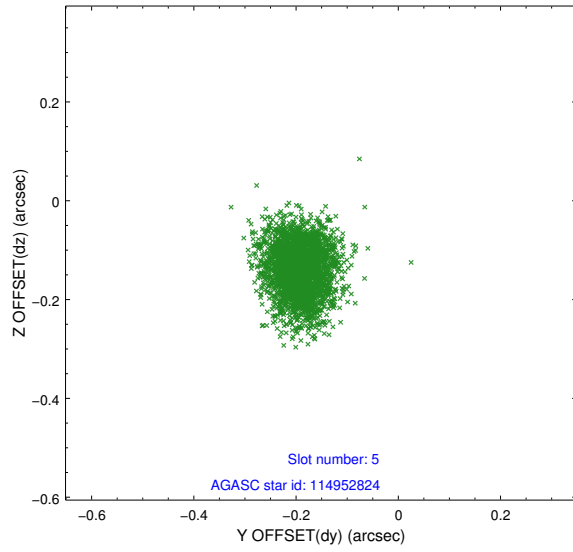
### 2.4.1 Slot 3



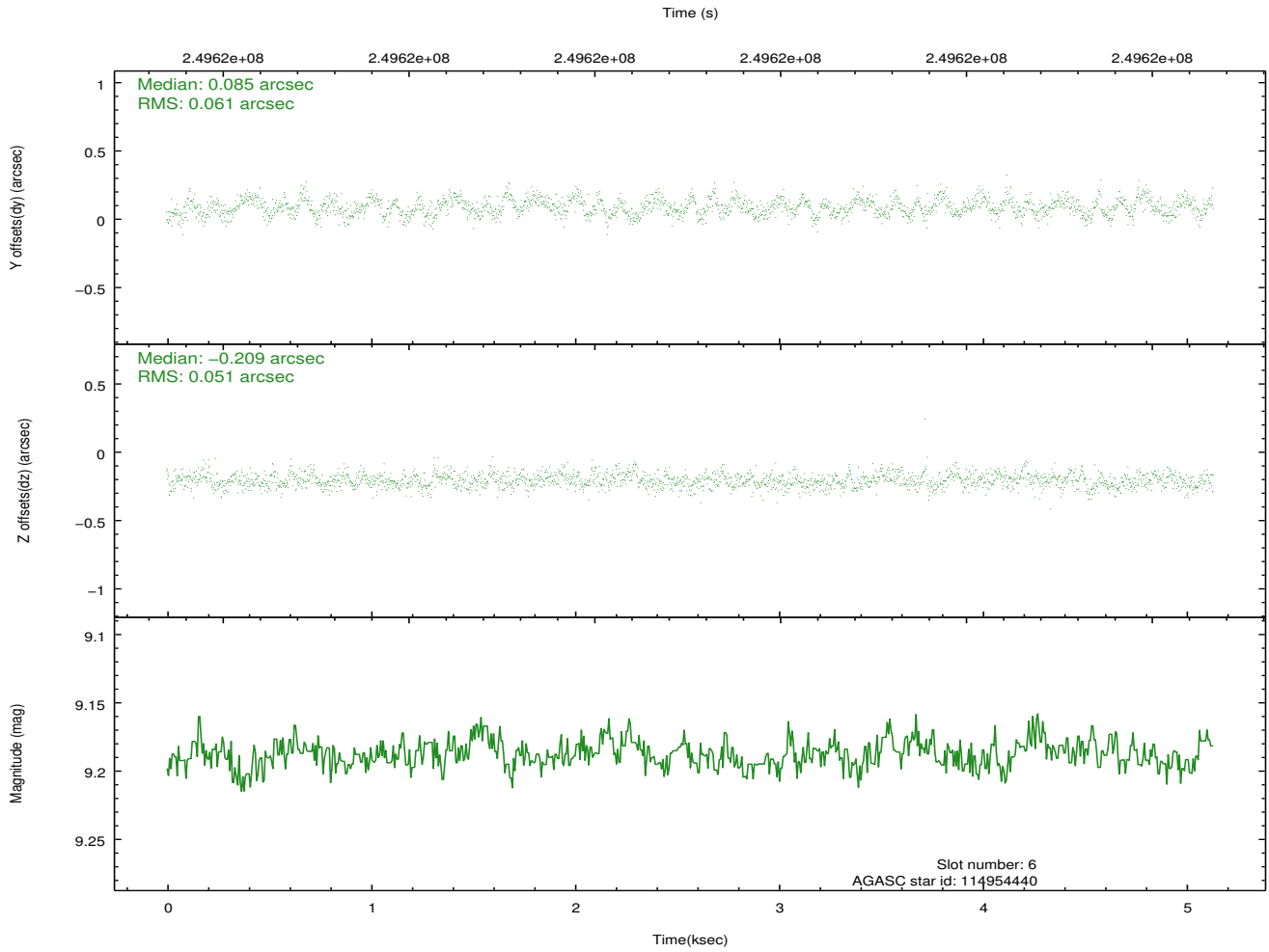
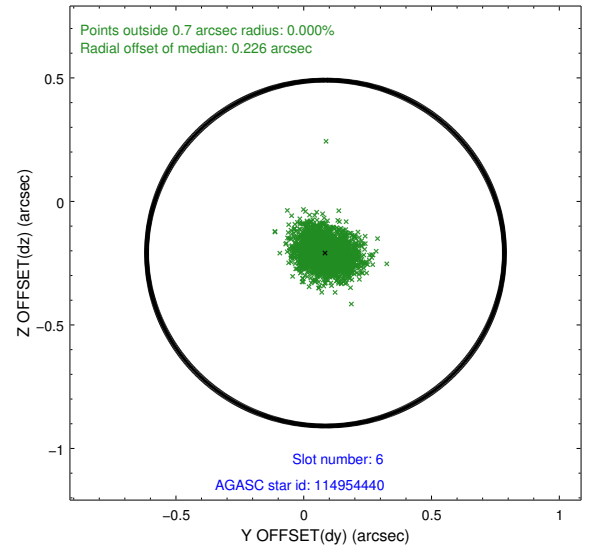
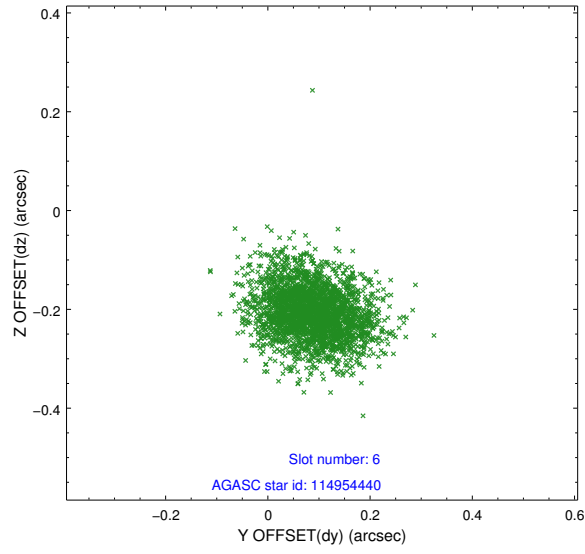
## 2.4.2 Slot 4



### 2.4.3 Slot 5

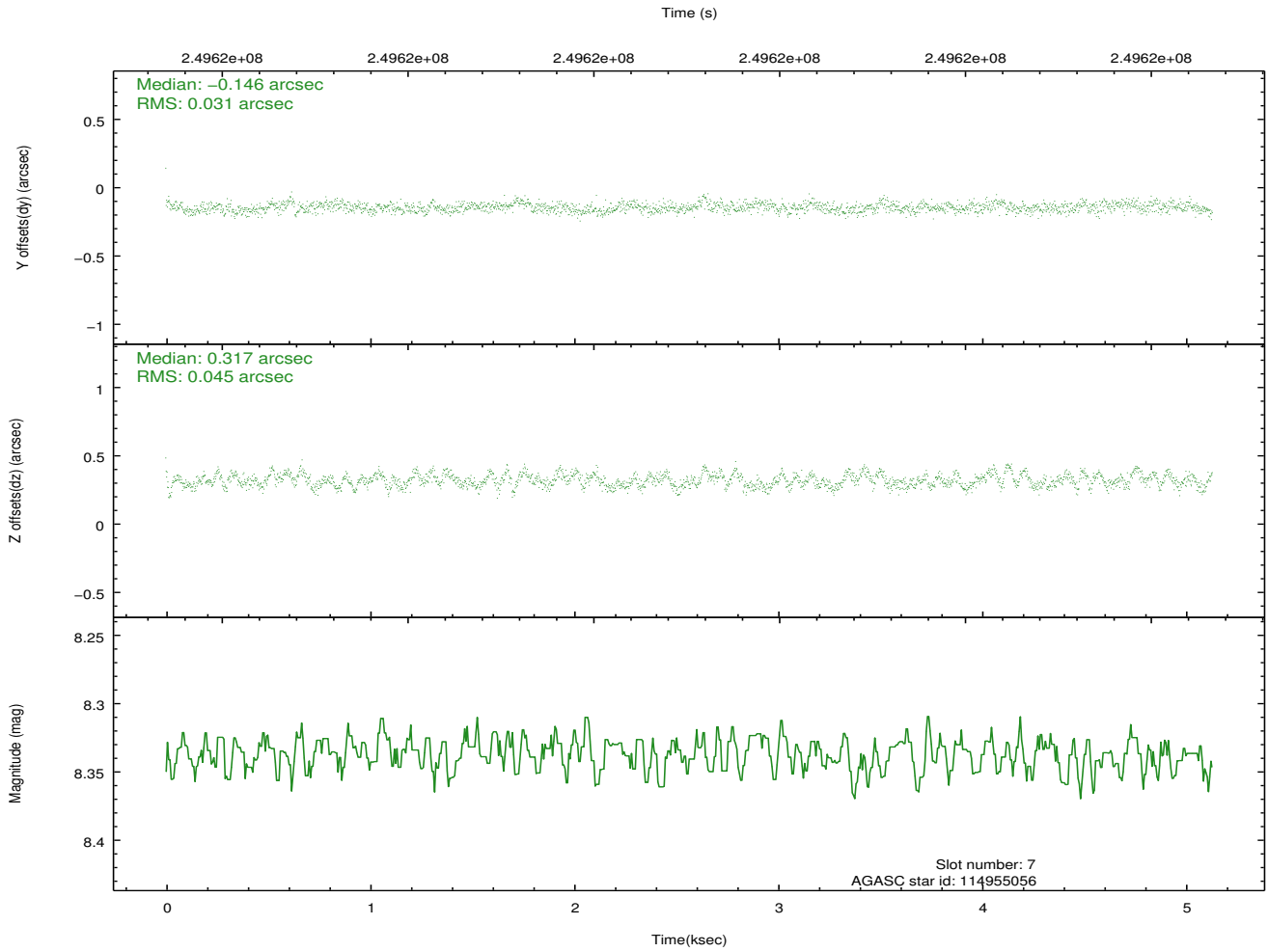
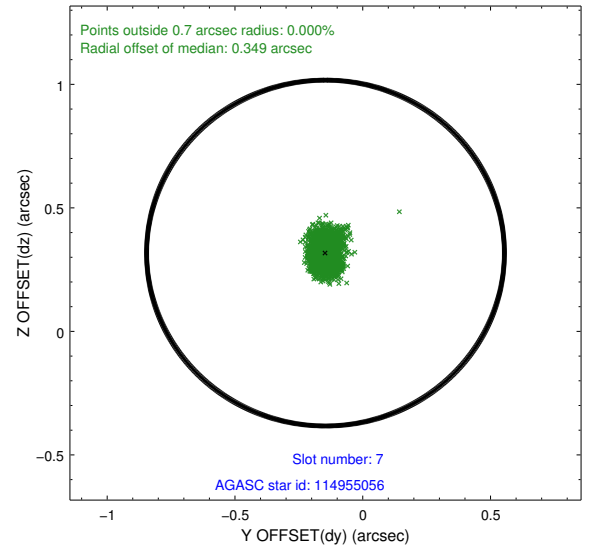
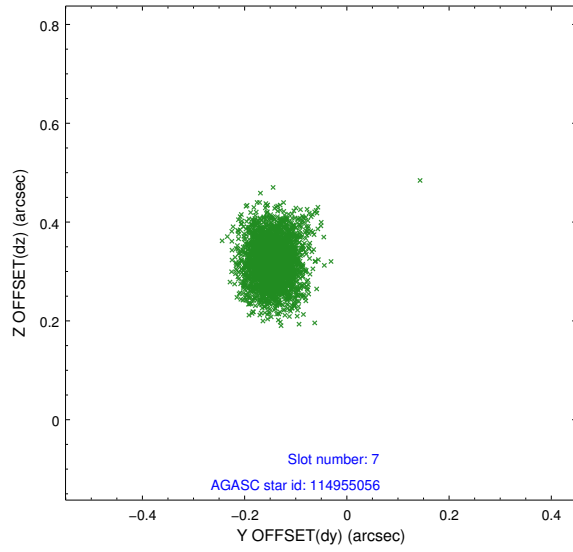


## 2.4.4 Slot 6



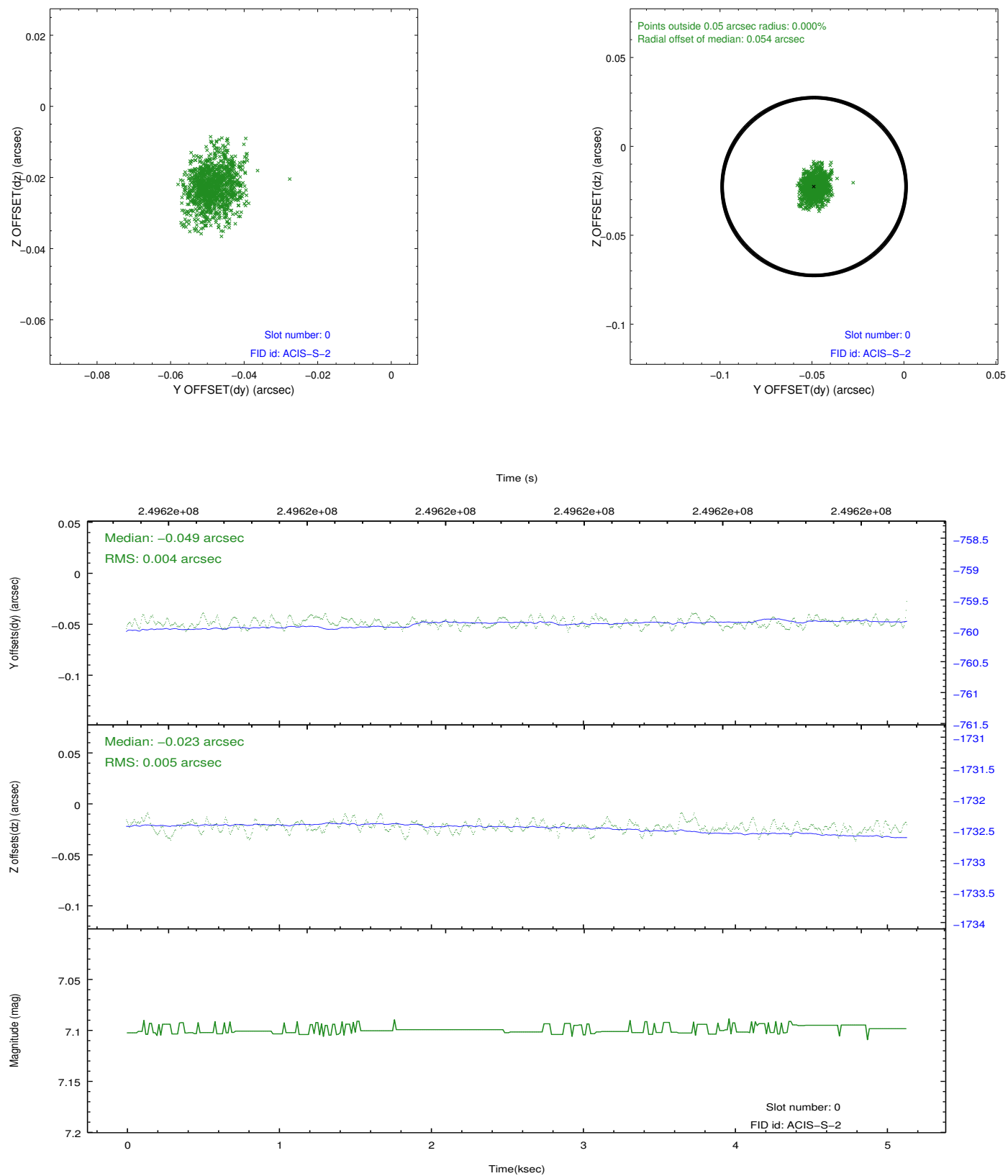


### 2.4.5 Slot 7

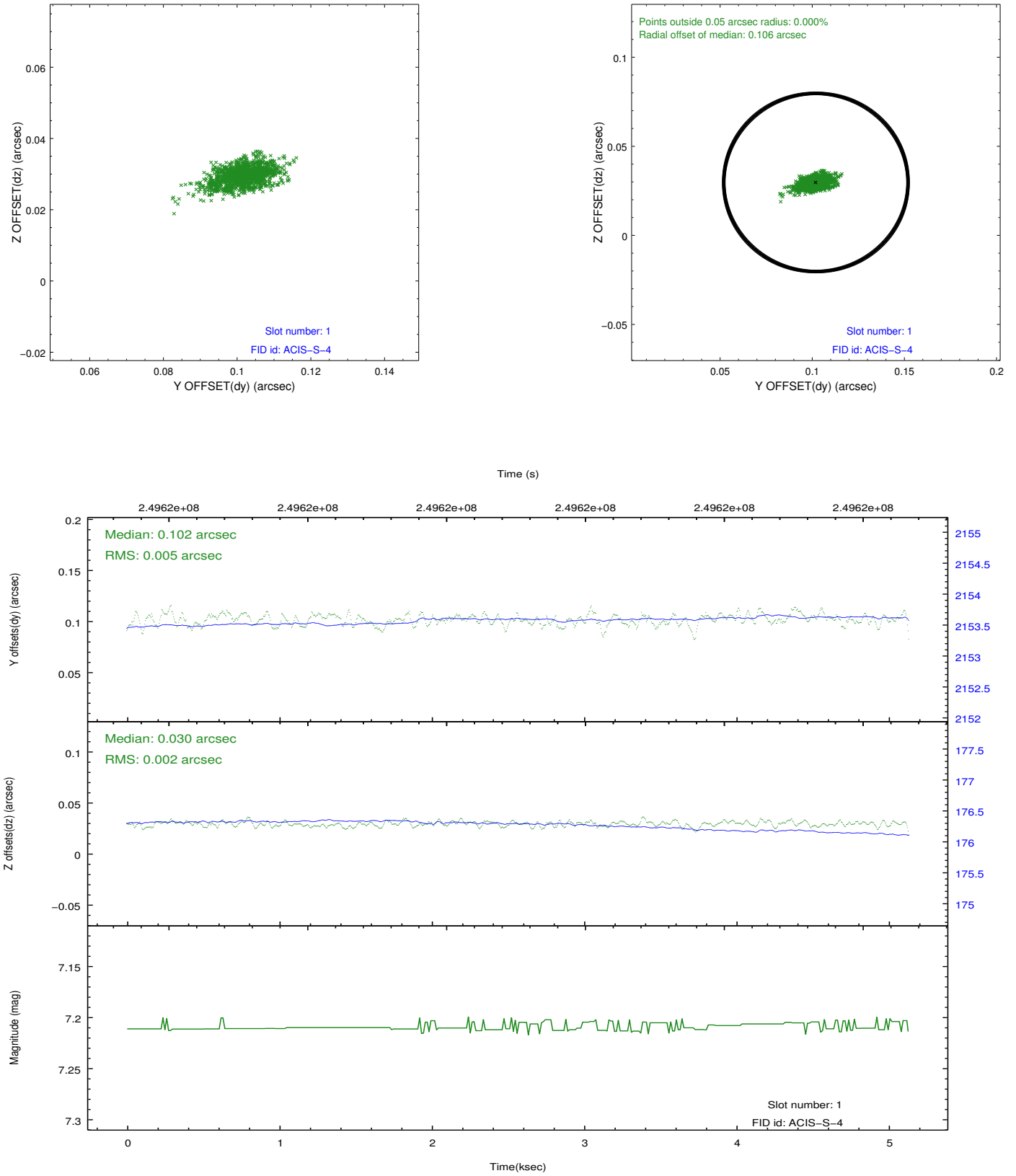


## 2.5 FID Slots

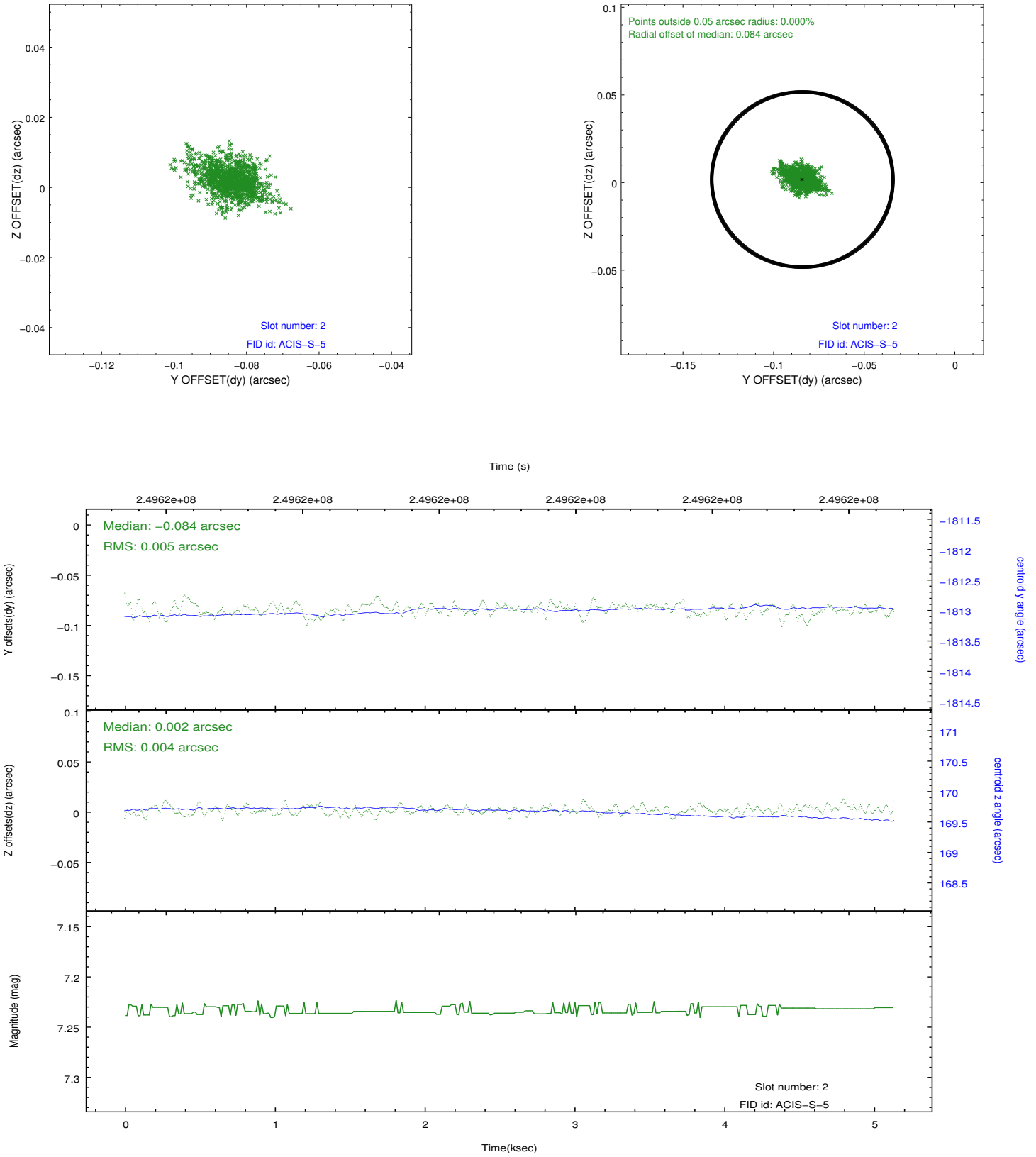
### 2.5.1 Slot 0



## 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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1324

### A.2 Comments

Joint Proposal: CX0-HST