

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11470 - L2 Version 2  
Chandra X-Ray Center

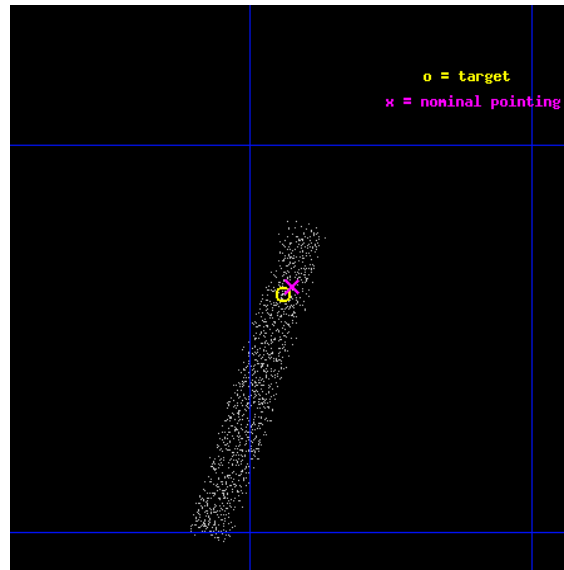
L2 Processing Date : Jun 22 2012

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# 1 Front

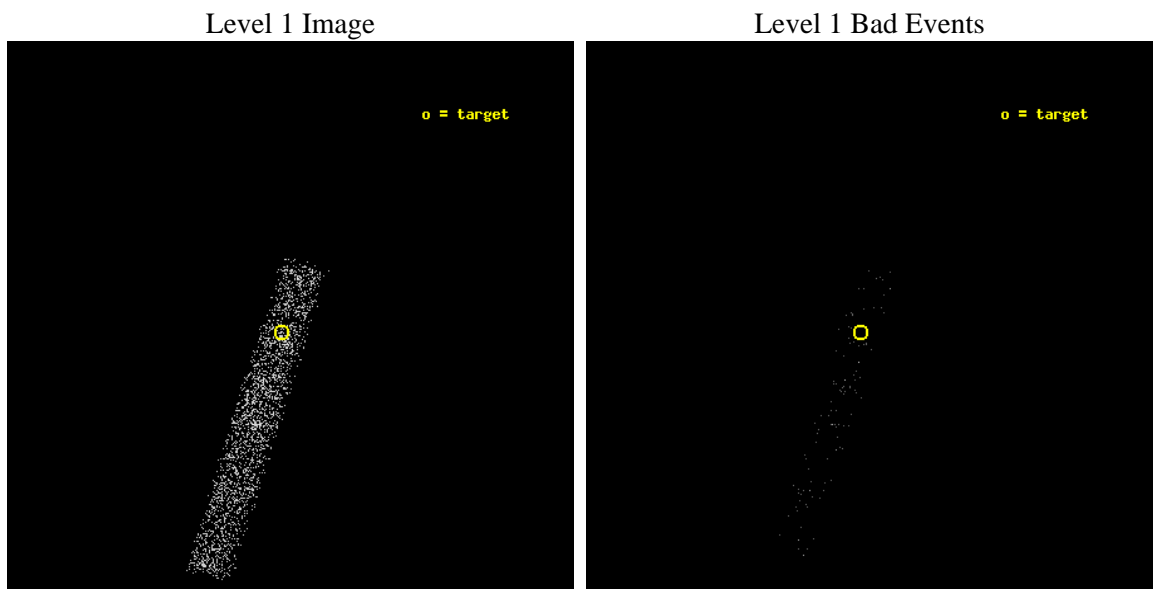
seq_num	702056	Sequence number
obs_id	11470	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J131926.52+105610.9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	199.860417	Observer's specified target RA [deg]
dec_targ	10.936361	Observer's specified target Dec [deg]
ra_nom	199.85665661969	Nominal RA [deg]
dec_nom	10.939248857848	Nominal Dec [deg]
roll_nom	107.44153895109	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2009.5998802185	Sum of GTIs [s]
livetime	1822.6010159791	Livetime [s]
ontime7	2009.5998802185	Sum of GTIs [s]
l2events	1218	Number of level 2 events



## 2 OBI

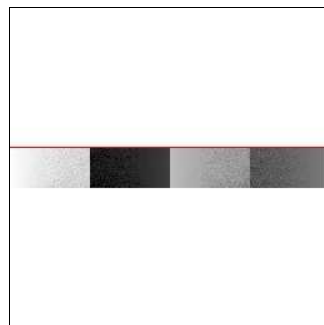
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2009.5998802185	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2009.5998802185	Sum of GTIs [s]
date	2012-06-22T16:55:16	Date and time of file creation	l1events	2510	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

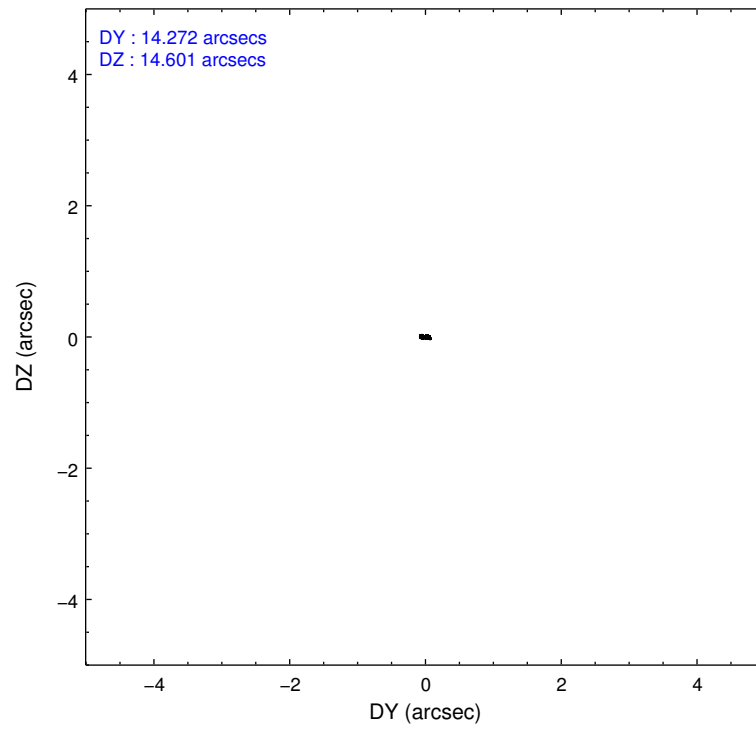
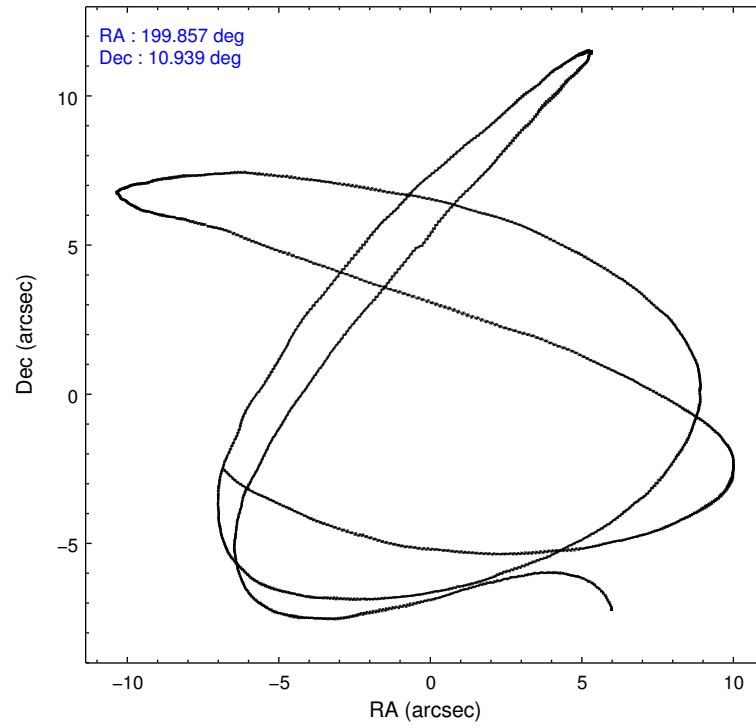
	<b>ccd 7</b>
level 1 events	2510
rejected events	1248
rejected %	49%

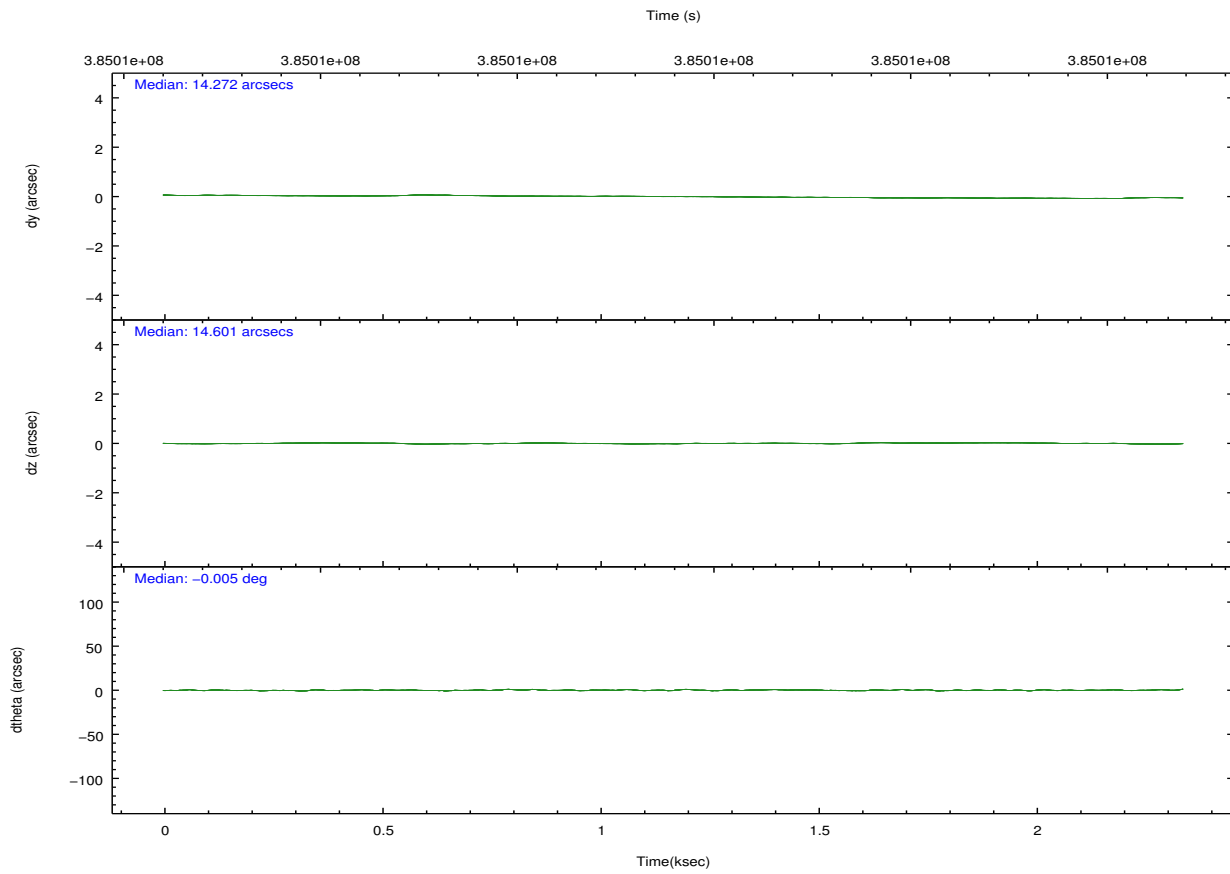
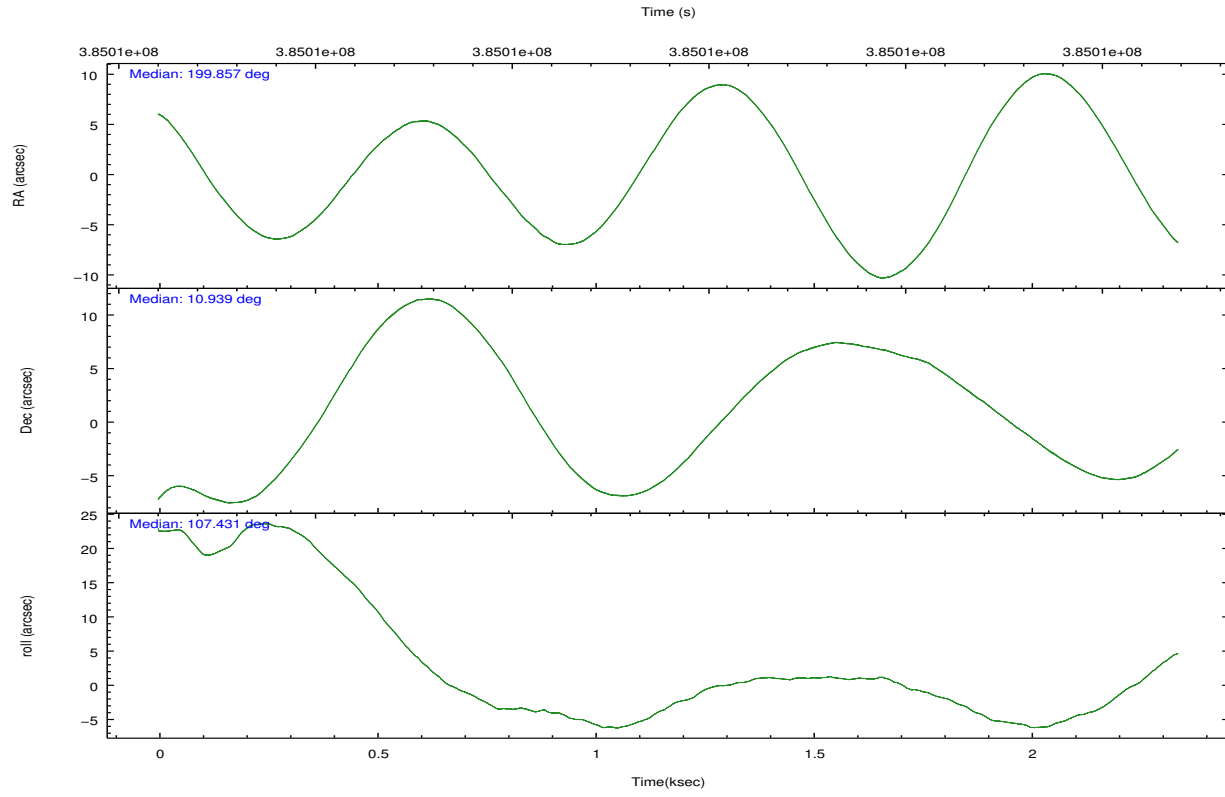
	<b>ccd 7</b>
grade 0 events	131
	5%
grade 1 events	1
	0%
grade 2 events	232
	9%
grade 3 events	142
	5%
grade 4 events	191
	7%
grade 5 events	246
	9%
grade 6 events	569
	22%
grade 7 events	998
	39%

## 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	199.877446	199.8566566196938	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	10.921318	10.93924885784792	Subarray start row	449	449
[deg] Pointing Roll	107.280981	107.4415389510885	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)	385010063.184000	385009090.41927			
Observation start date	2010-03-15T03:13:17	2010-03-15T02:58:10			
[s] Observation end time (MET)	385012063.184000	385012897.26946			
Observation end date	2010-03-15T03:46:37	2010-03-15T04:01:37			
Read mode	TIMED	TIMED			

## 2.3 Aspect





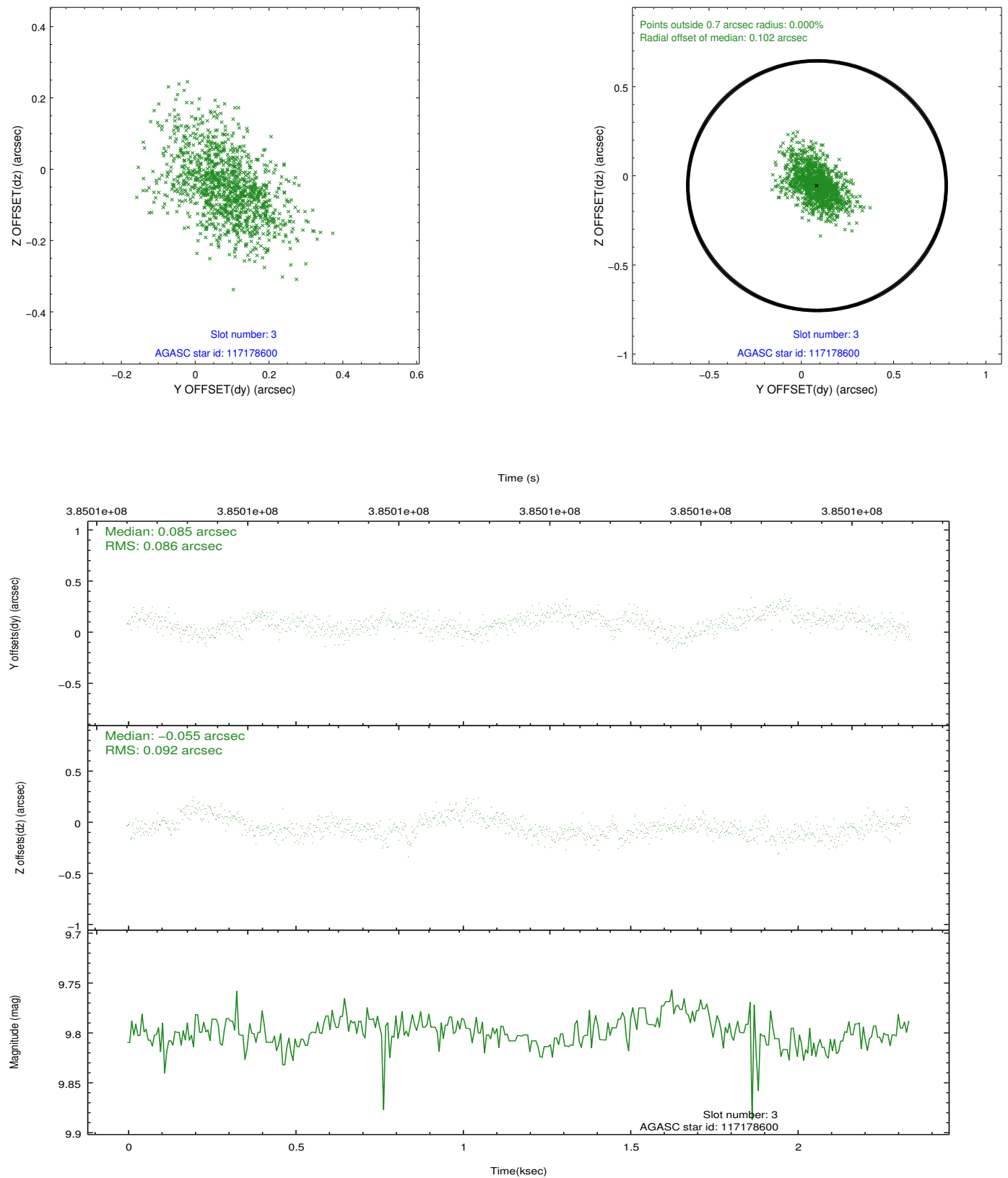
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	571	-0.085	-0.052	0.007	0.011	0.000000	0.000000	-767.28	-1736.03
1	FID	ACIS-S-4	7.04	571	0.226	0.055	0.006	0.010	0.000000	0.000000	2145.01	169.71
2	FID	ACIS-S-5	7.07	571	-0.172	0.006	0.006	0.011	0.000000	0.000000	-1816.67	166.45
3	GUIDE	117178600	9.80	1141	0.085	-0.055	0.130	0.222	199.664891	10.814442	-142.68	831.71
4	GUIDE	117180512	9.94	1132	0.141	0.168	0.177	0.265	200.309525	10.588472	-1596.28	-1103.62
5	GUIDE	117184416	10.28	1141	-0.075	0.139	0.219	0.342	200.211858	11.628020	2079.77	-1882.58
6	GUIDE	117185080	9.97	1141	-0.152	0.104	0.233	0.362	200.047533	11.262382	997.26	-939.68
7	GUIDE	117179576	9.60	1138	0.006	-0.388	0.126	0.202	199.245948	10.693637	-116.06	2375.50

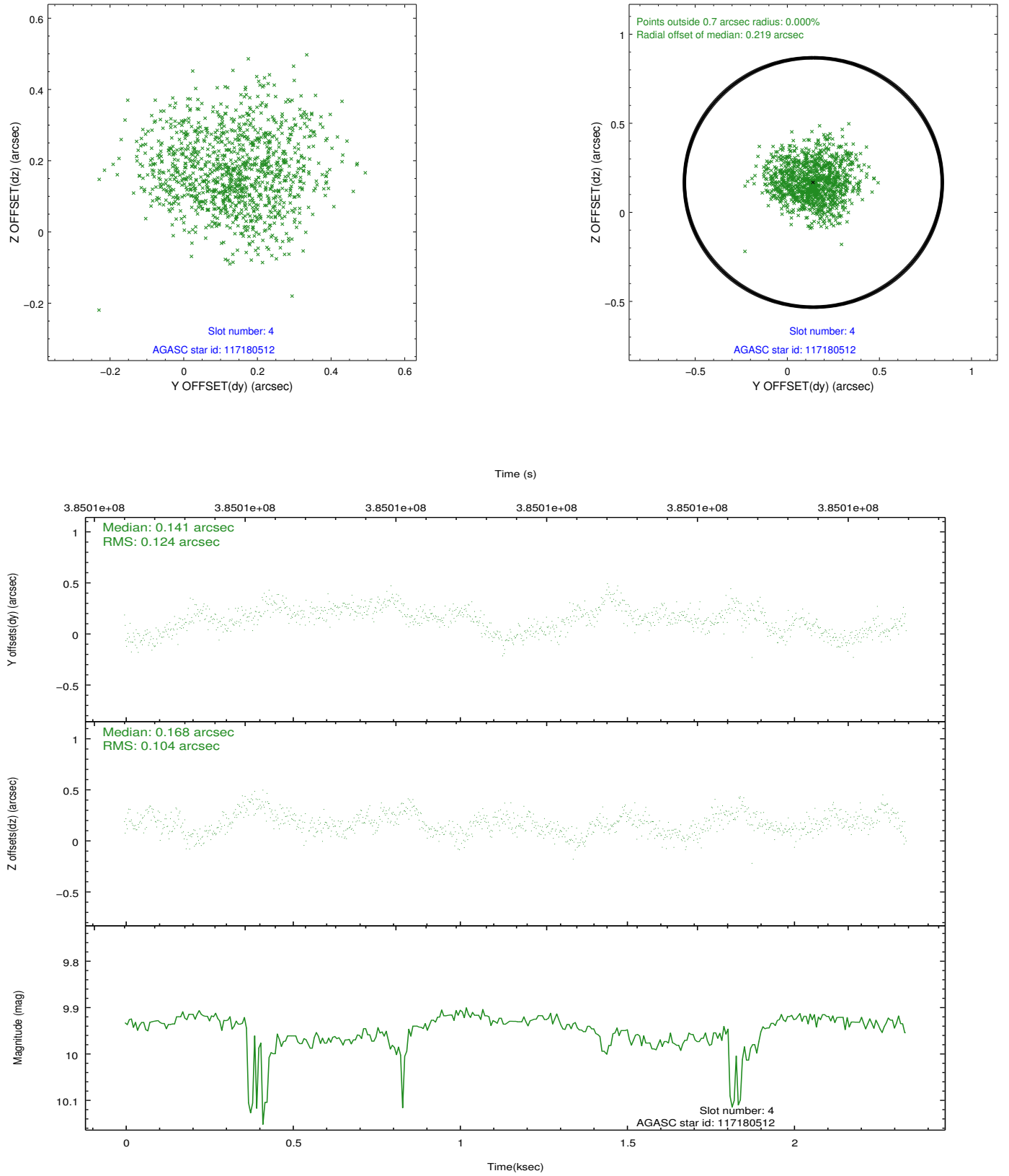


## 2.4 Star Slots

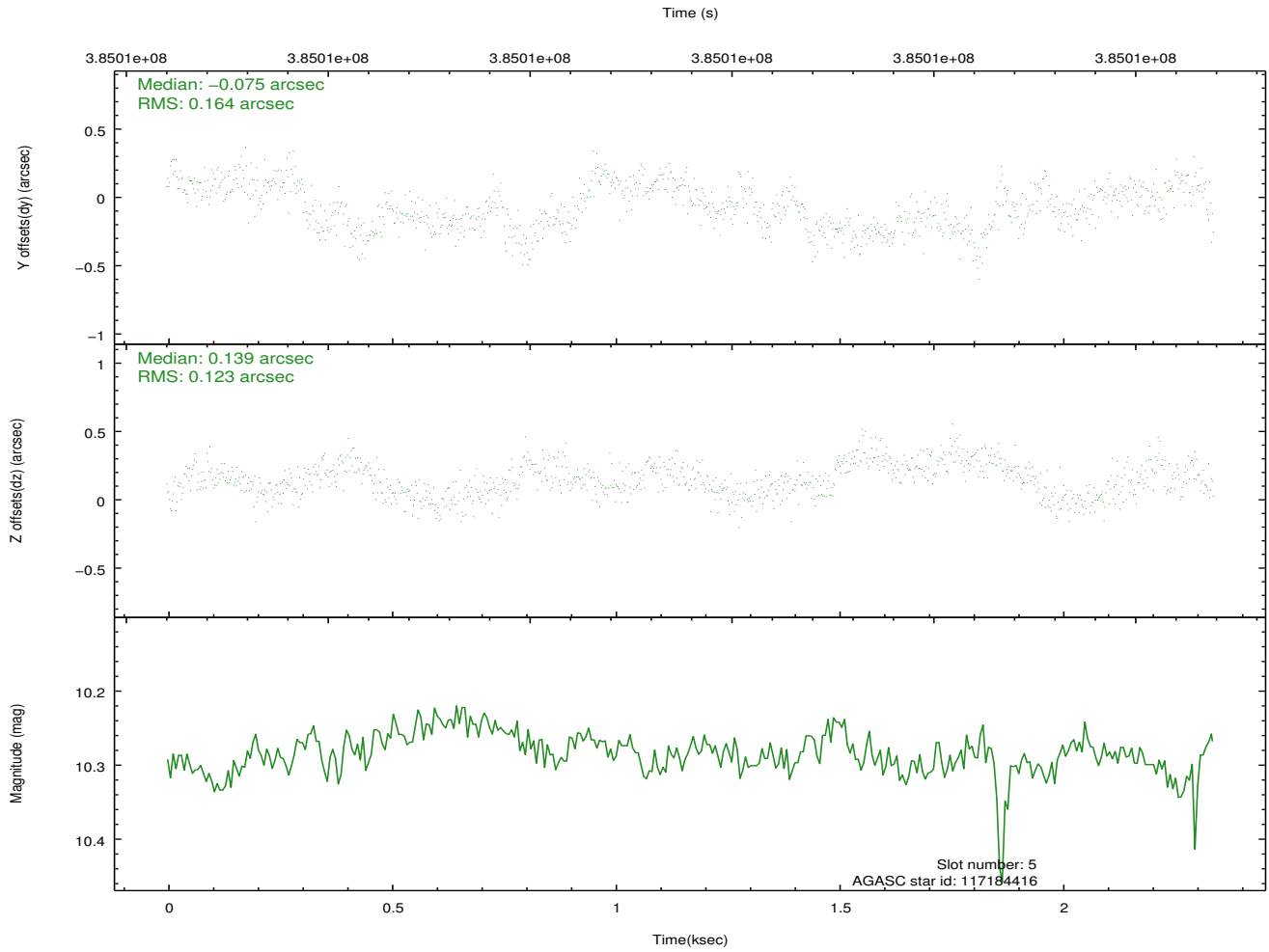
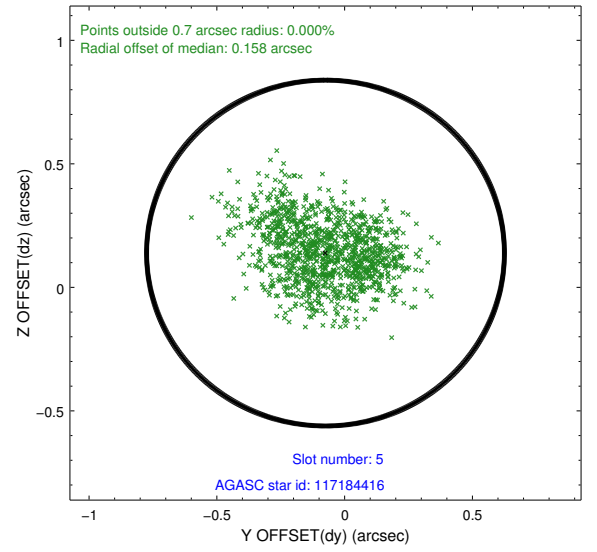
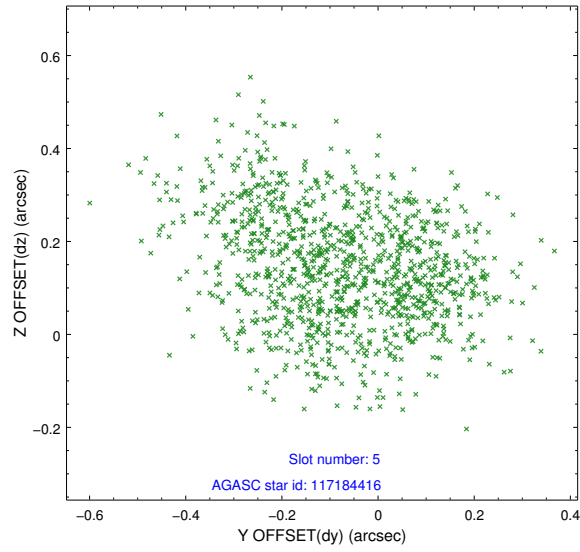
### 2.4.1 Slot 3



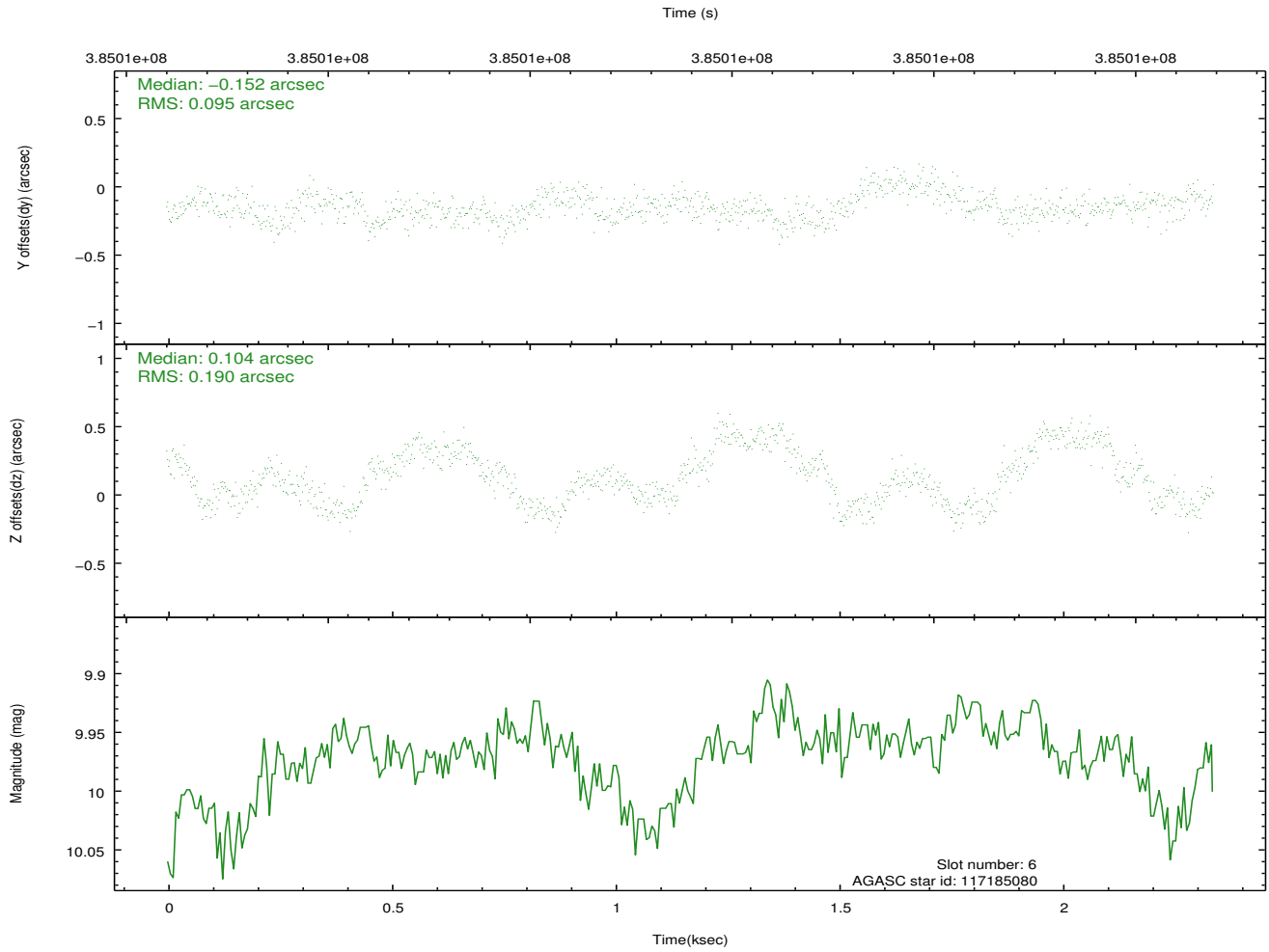
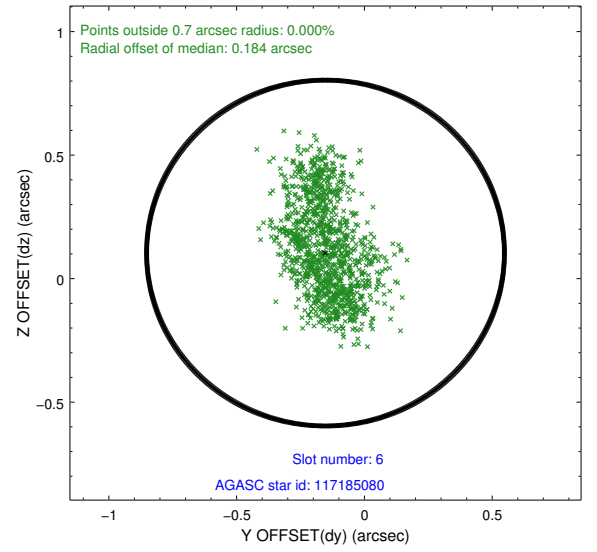
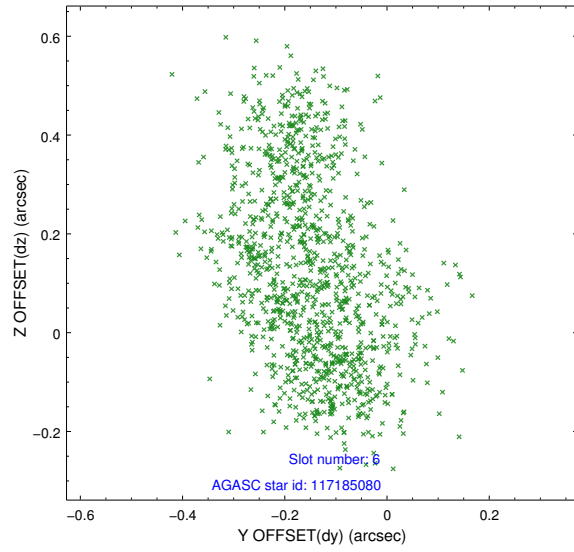
## 2.4.2 Slot 4



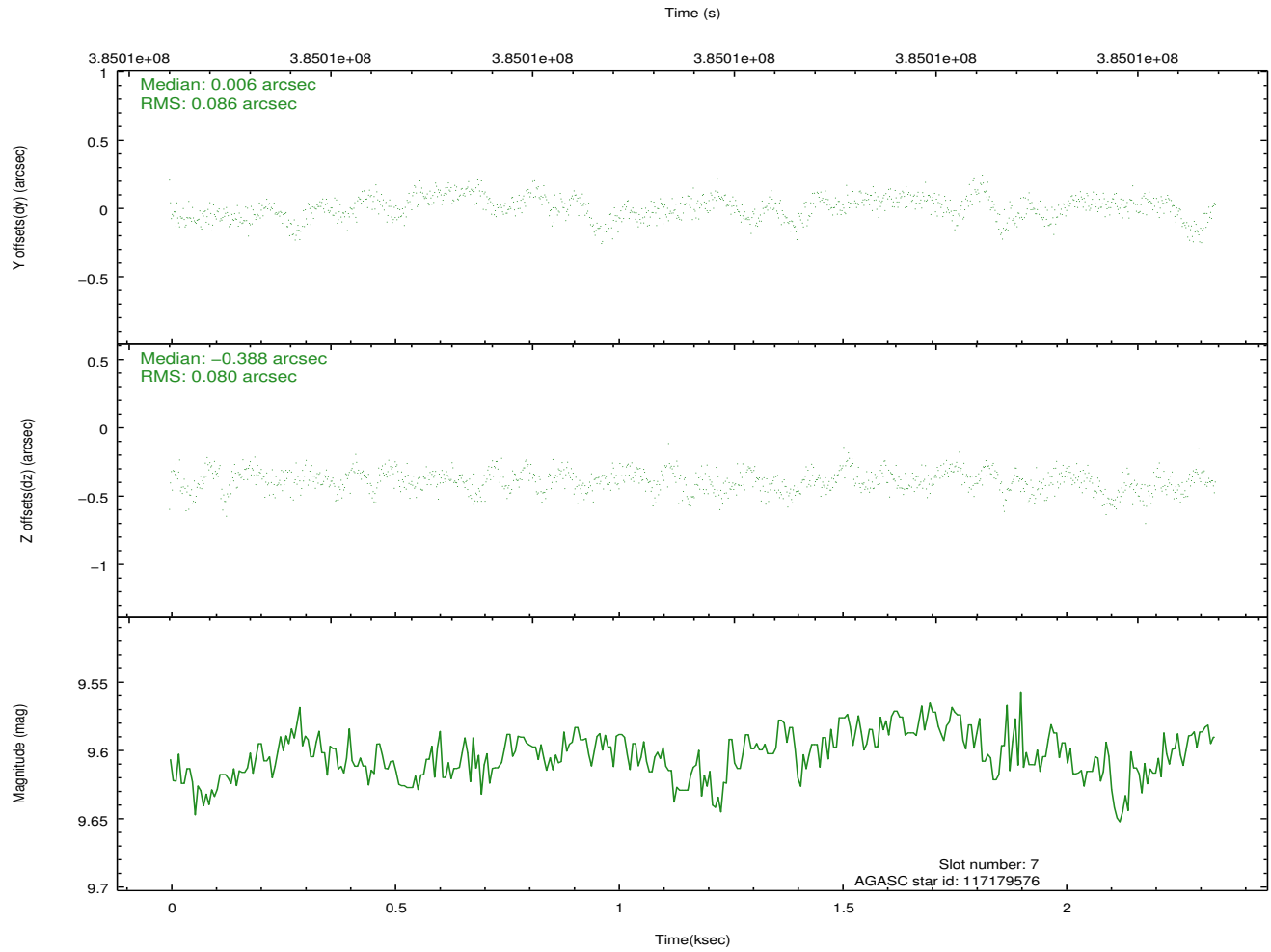
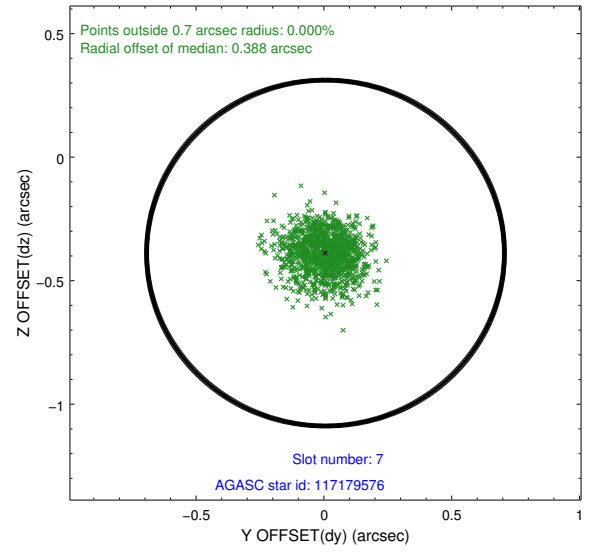
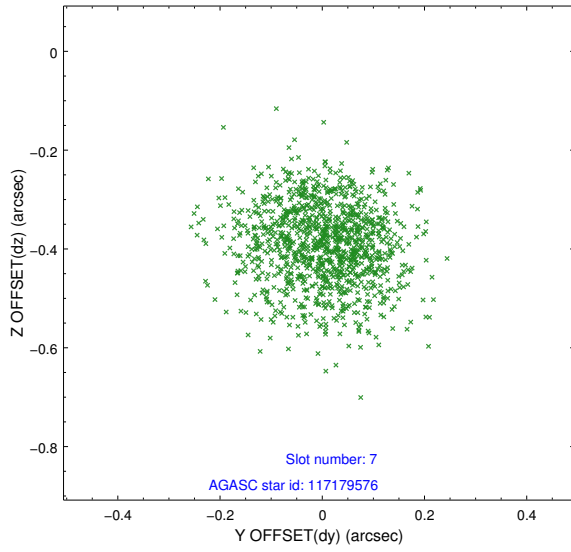
### 2.4.3 Slot 5



## 2.4.4 Slot 6

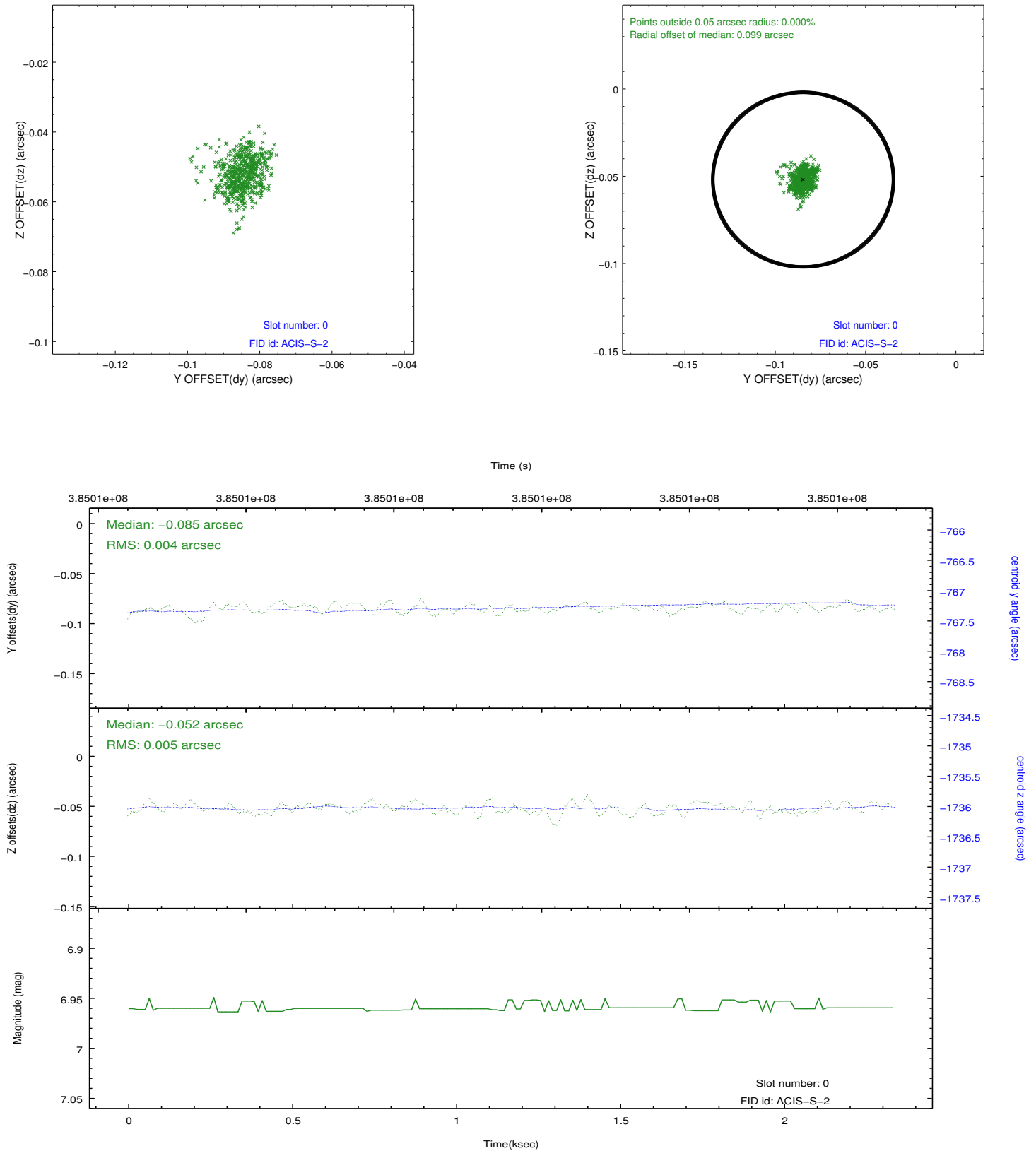


## 2.4.5 Slot 7

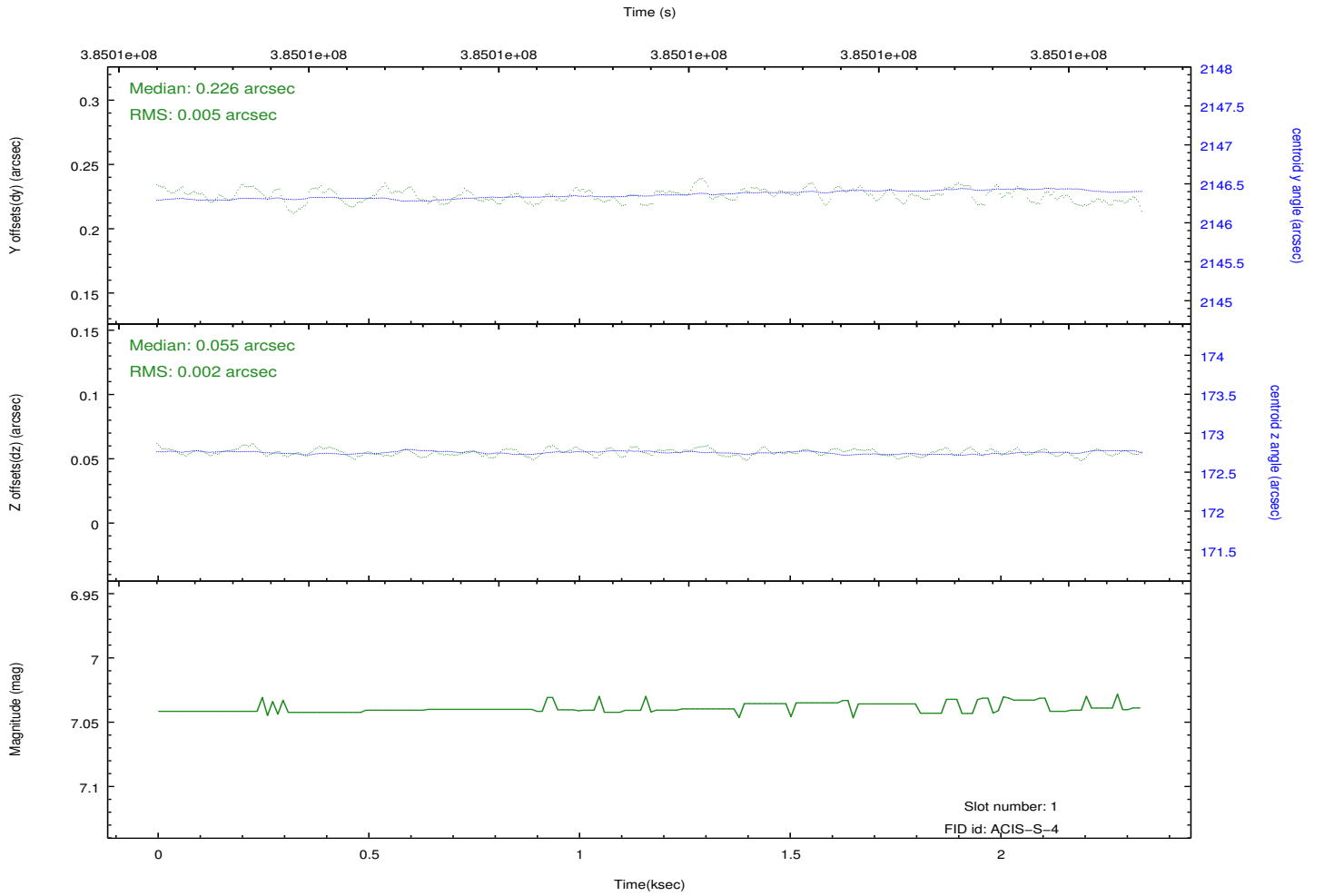
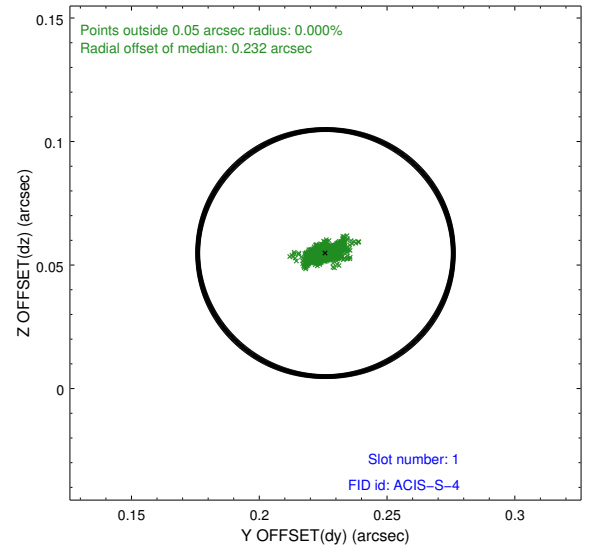
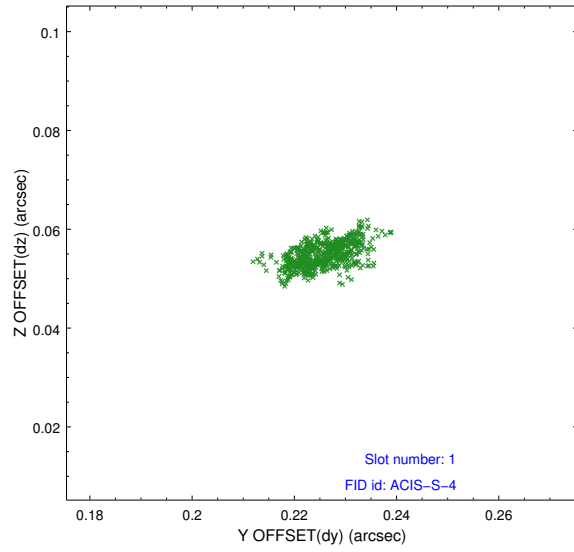


## 2.5 FID Slots

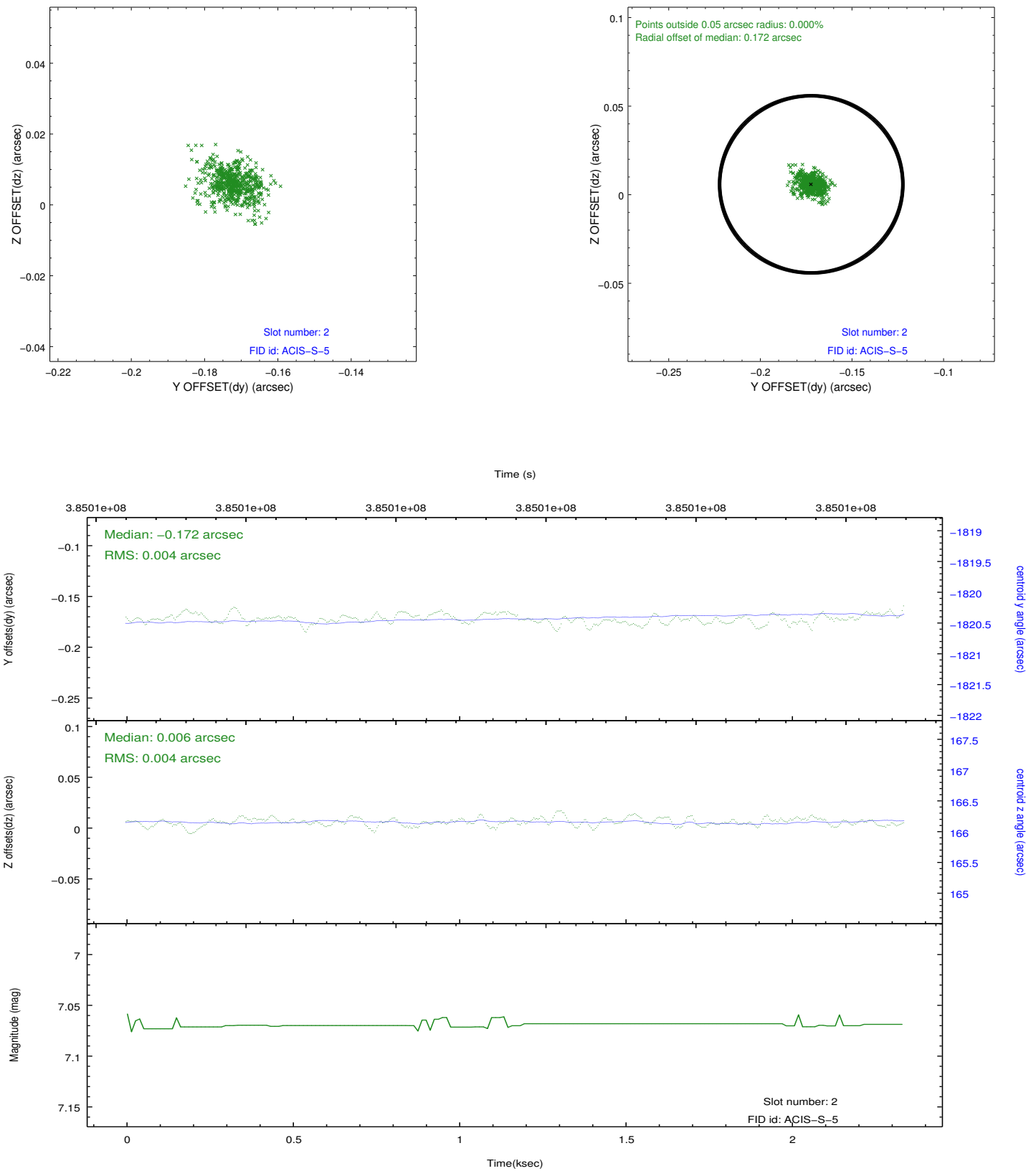
### 2.5.1 Slot 0



## 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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0095998802185

### A.2 Comments