

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8581 - L2 Version 2  
Chandra X-Ray Center

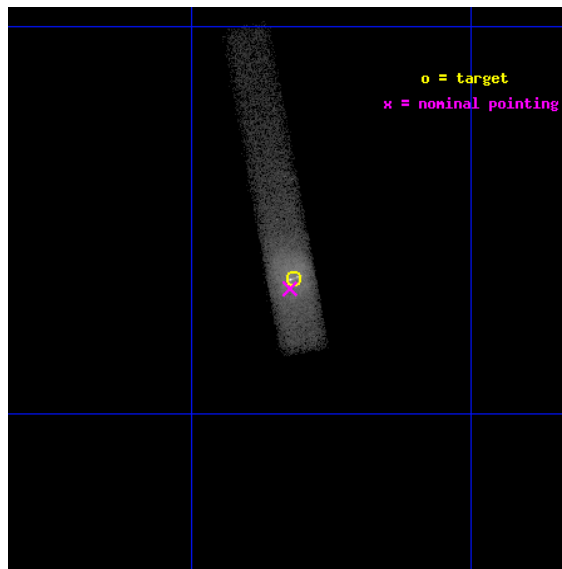
L2 Processing Date : May 19 2012

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# 1 Front

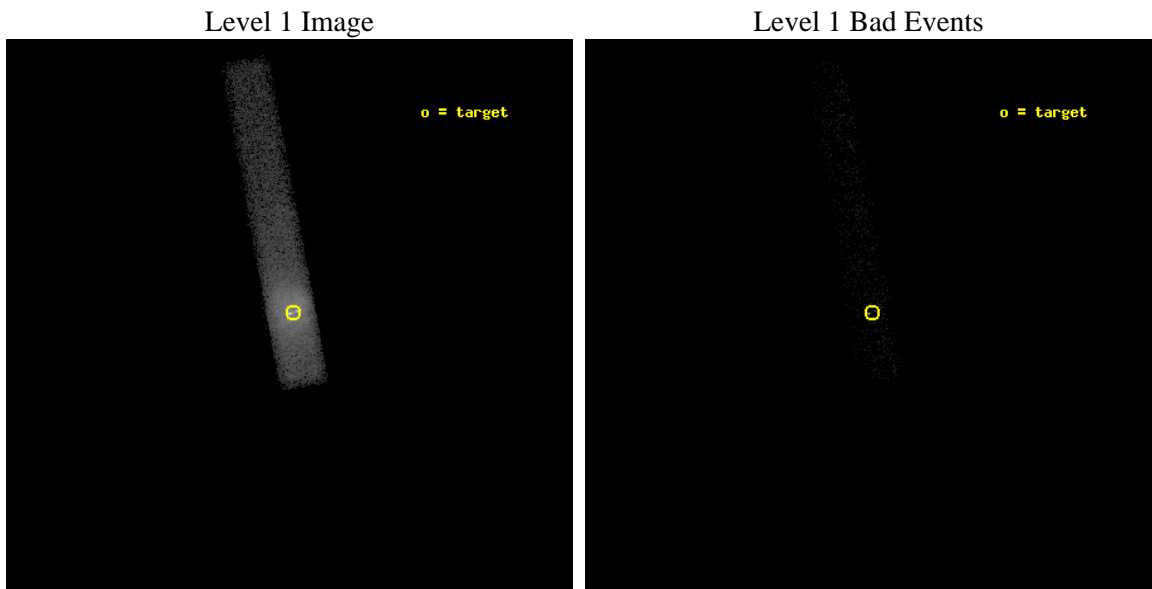
seq_num	701590	Sequence number
obs_id	8581	Observation id
title	Monitoring the Giant Flare of HST-1 in the M87 Jet	Proposal title
observer	Dr. John Biretta	Principal investigator
object	M87	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70602940807	Nominal RA [deg]
dec_nom	12.387180700233	Nominal Dec [deg]
roll_nom	259.43671559362	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5134.3996939659	Sum of GTIs [s]
liveltime	4656.6295065898	Livetime [s]
ontime7	5134.3996939659	Sum of GTIs [s]
l2events	51172	Number of level 2 events



## 2 OBI

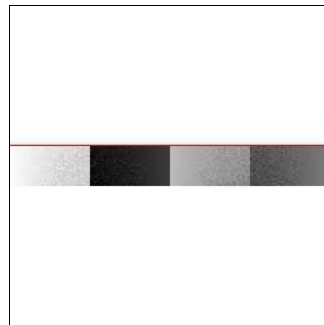
### 2.1 OBI

#### 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	8.4.4	Processing system revision	ontime	5134.3996939659	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	5134.3996939659	Sum of GTIs [s]
date	2012-05-19T02:20:36	Date and time of file creation	l1events	60911	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

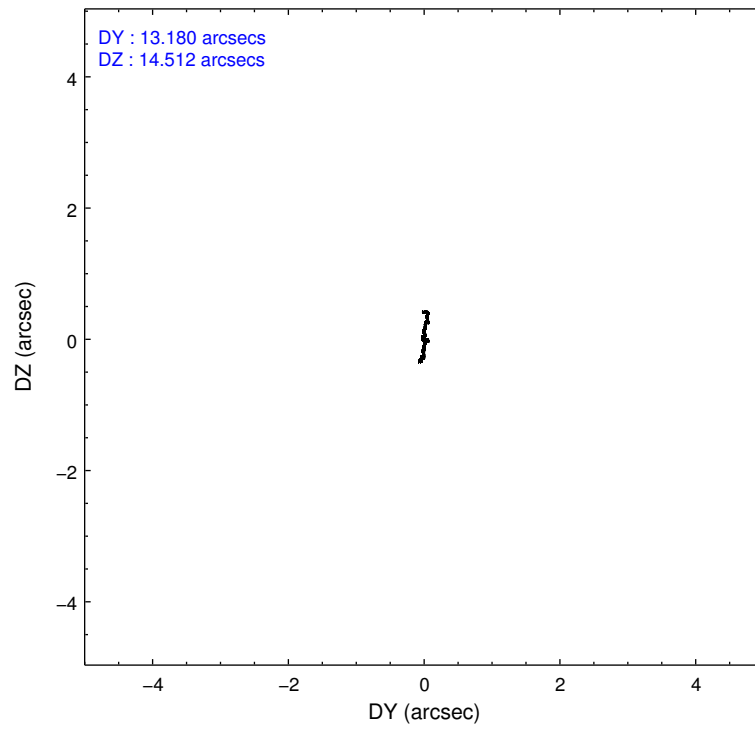
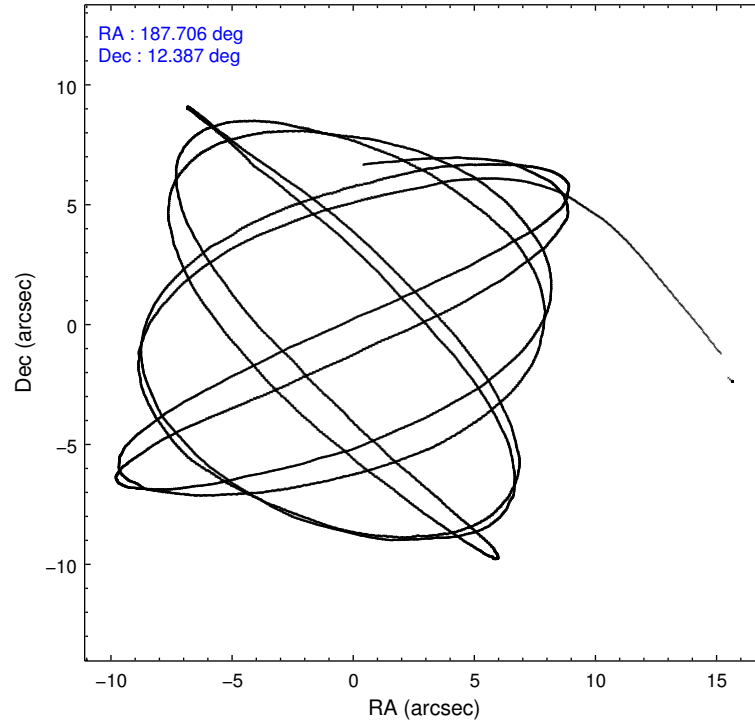
	<b>ccd 7</b>
level 1 events	60911
rejected events	9101
rejected %	14%

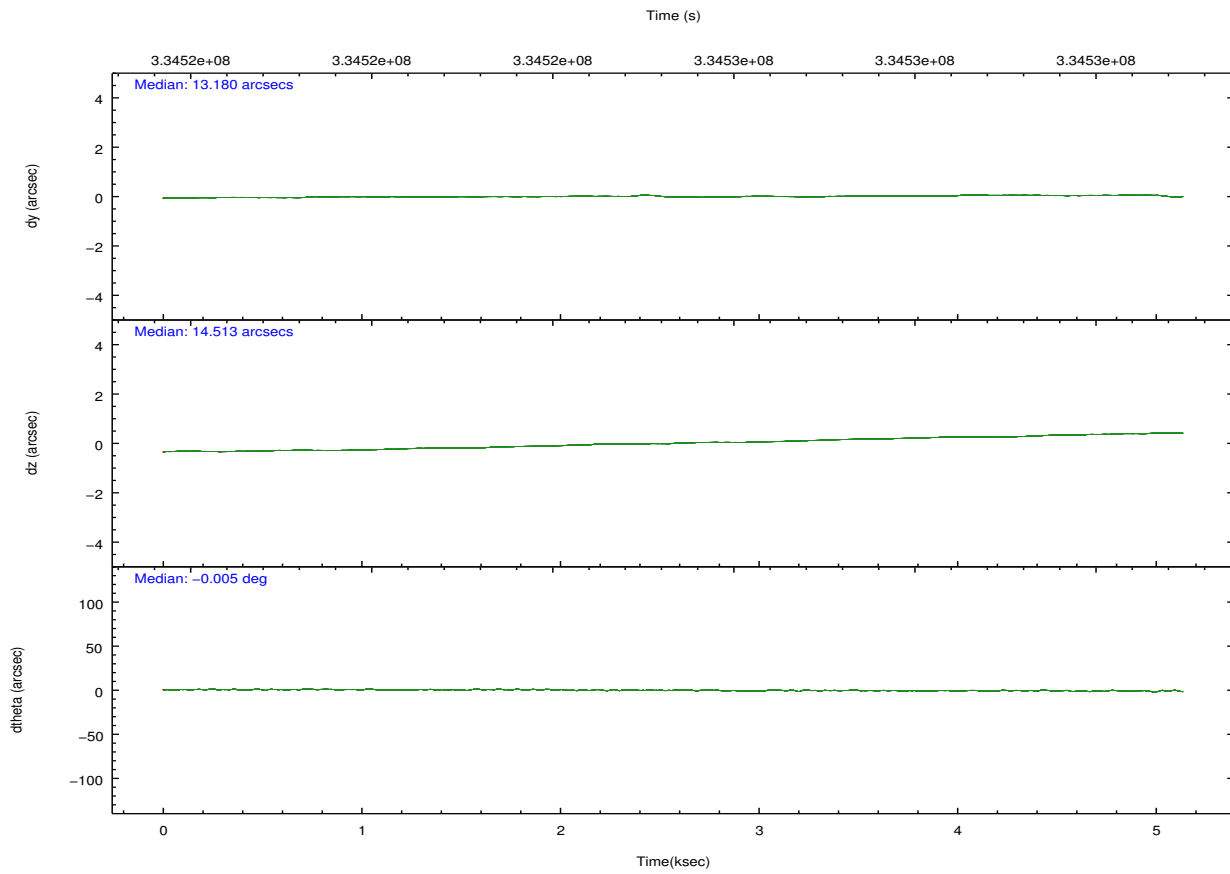
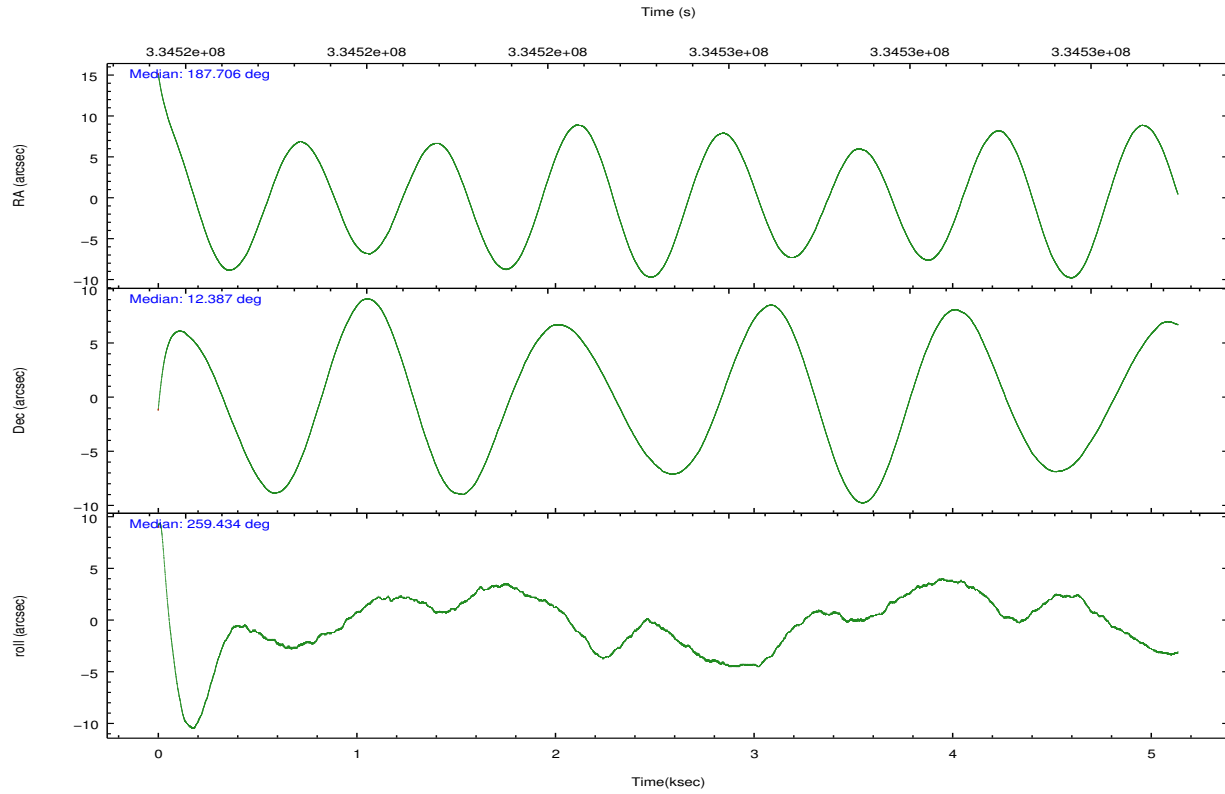
	<b>ccd 7</b>
grade 0 events	15943
	26%
grade 1 events	87
	0%
grade 2 events	14064
	23%
grade 3 events	6330
	10%
grade 4 events	6250
	10%
grade 5 events	1605
	2%
grade 6 events	11416
	18%
grade 7 events	5216
	8%

## 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	187.696278	187.7060294080703	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.412795	12.38718070023268	Subarray start row	449	449
[deg] Pointing Roll	259.282150	259.4367155936245	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)	334523239.184000	334522012.54046			
Observation start date	2008-08-07T19:06:14	2008-08-07T18:46:52			
[s] Observation end time (MET)	334528239.184000	334529208.55332			
Observation end date	2008-08-07T20:29:34	2008-08-07T20:46:48			
Read mode	TIMED	TIMED			

## 2.3 Aspect



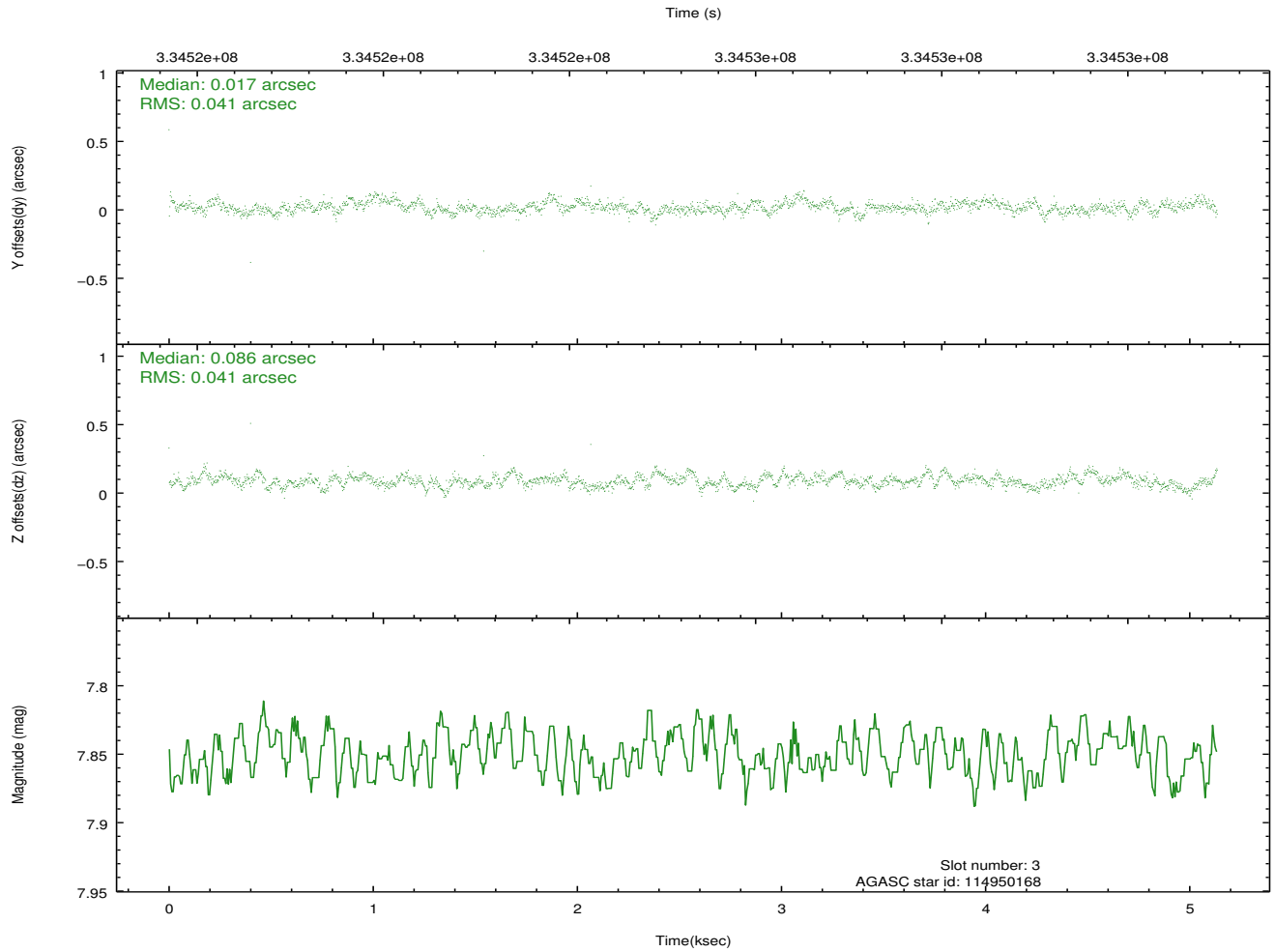
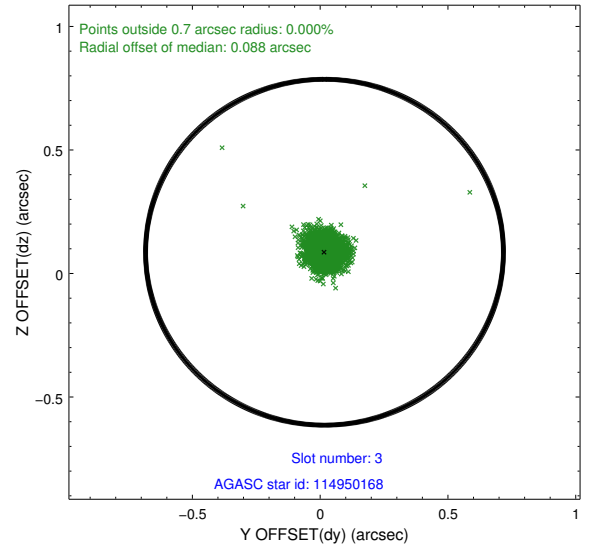
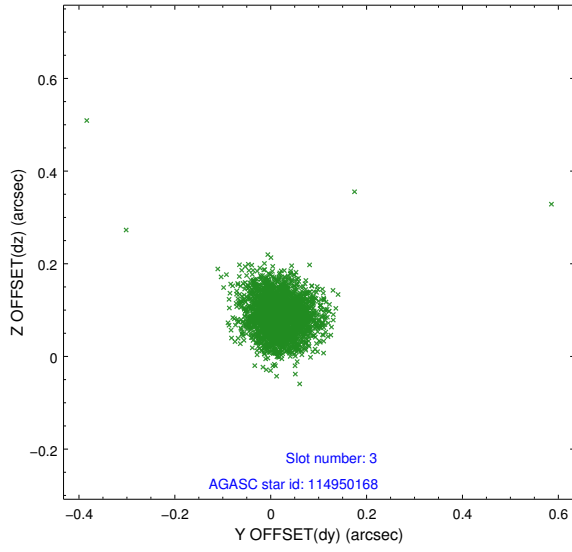


### Slot Statistics

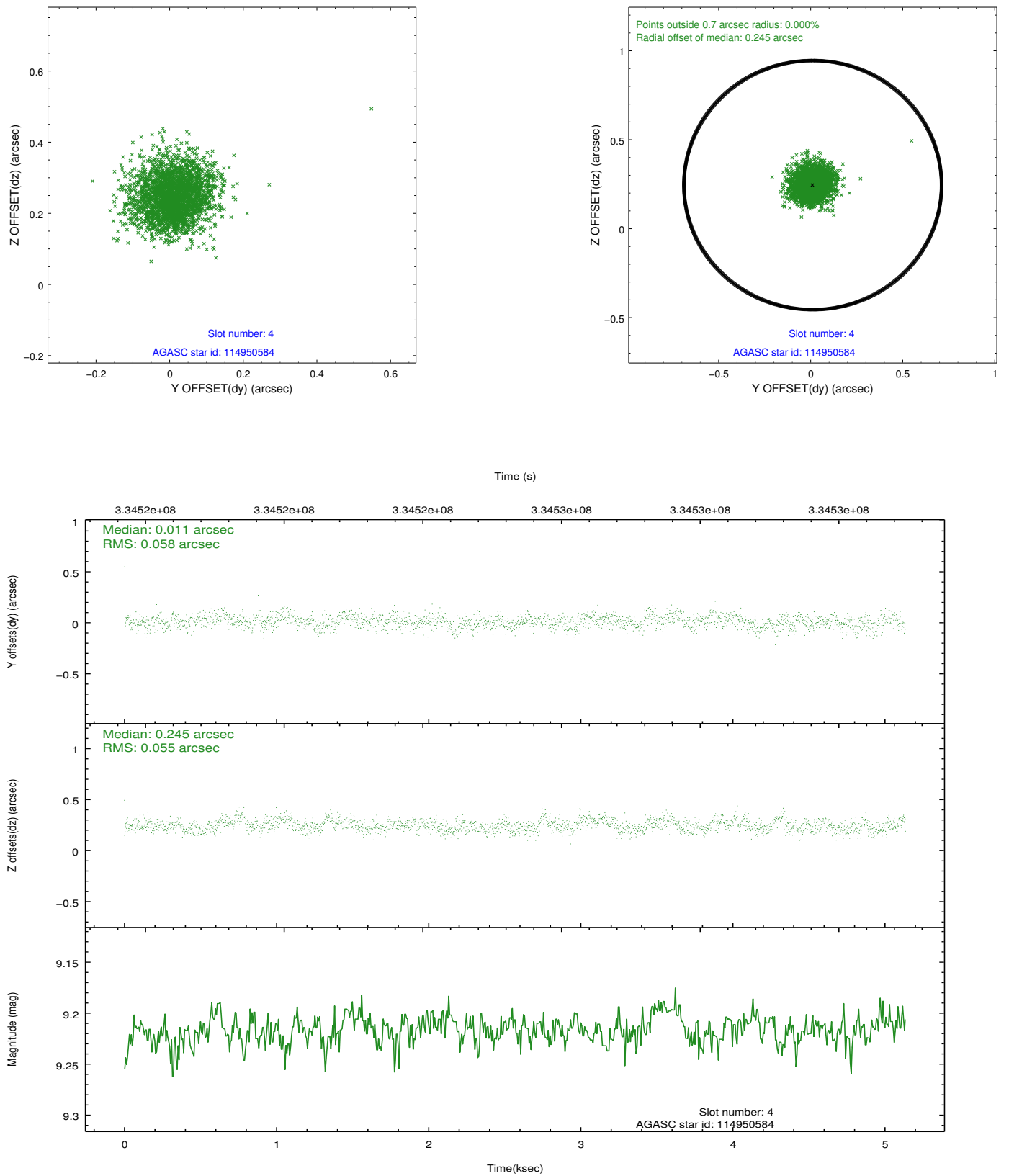
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	1253	-0.036	0.006	0.009	0.015	0.000000	0.000000	-766.12	-1735.89
1	FID	ACIS-S-4	6.95	1253	0.111	0.016	0.006	0.012	0.000000	0.000000	2146.74	171.41
2	FID	ACIS-S-5	6.98	1253	-0.106	-0.013	0.008	0.013	0.000000	0.000000	-1817.54	166.35
3	GUIDE	114950168	7.85	2506	0.017	0.086	0.058	0.094	187.143398	12.117441	1405.65	-1714.48
4	GUIDE	114950584	9.22	2504	0.011	0.245	0.084	0.138	187.487323	11.827248	2209.23	-332.03
5	GUIDE	114952792	9.48	2499	0.007	0.038	0.102	0.169	187.070263	12.344747	649.82	-2118.81
6	GUIDE	114955056	8.29	2502	0.084	-0.397	0.061	0.101	187.914001	12.127854	866.06	942.38
7	GUIDE	115348424	9.50	2503	-0.117	0.029	0.118	0.189	187.199498	13.087929	-2064.59	-2163.69

## 2.4 Star Slots

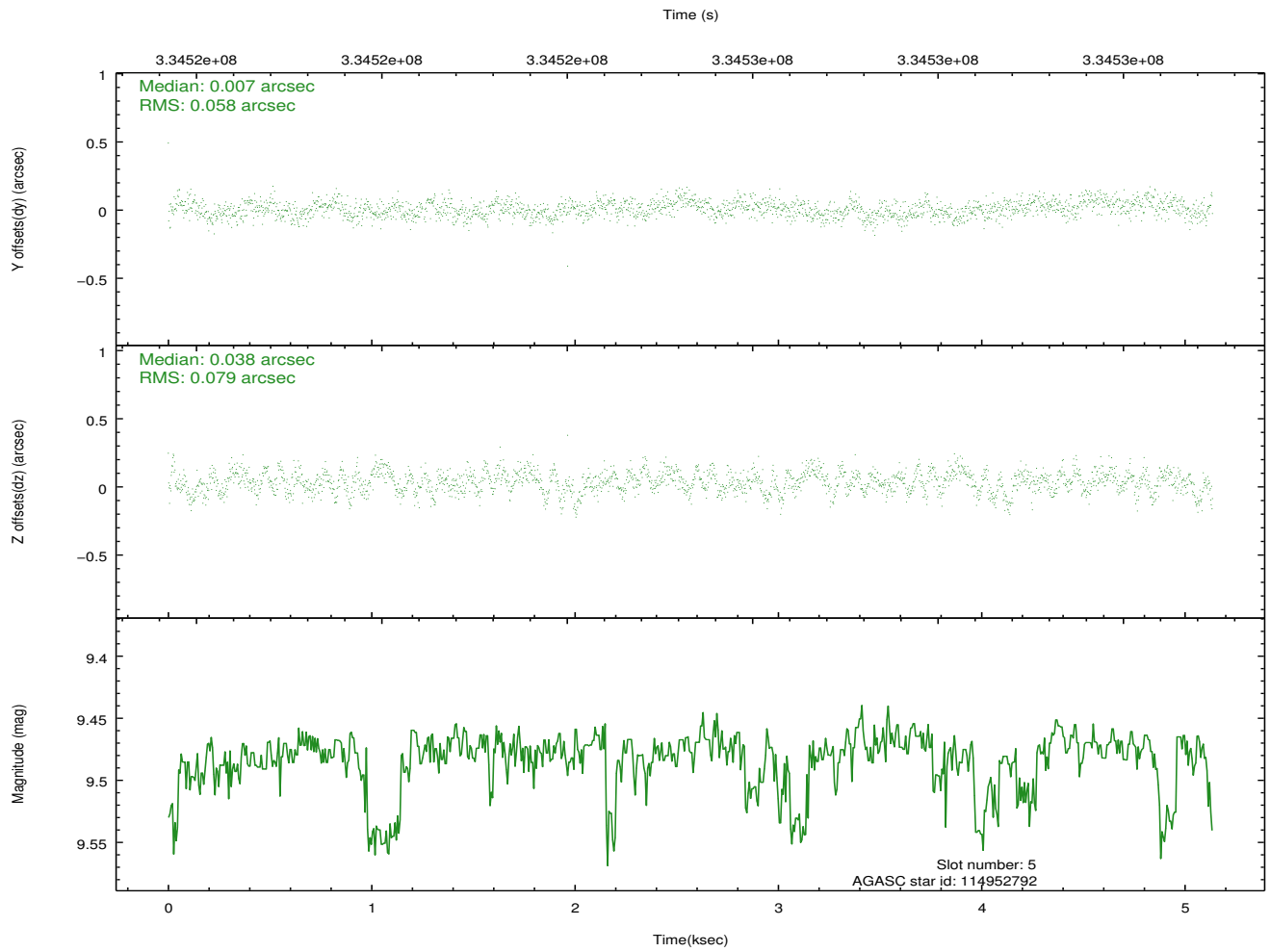
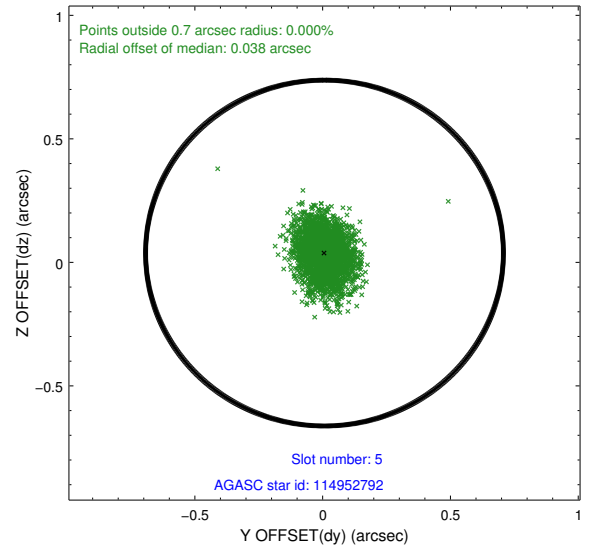
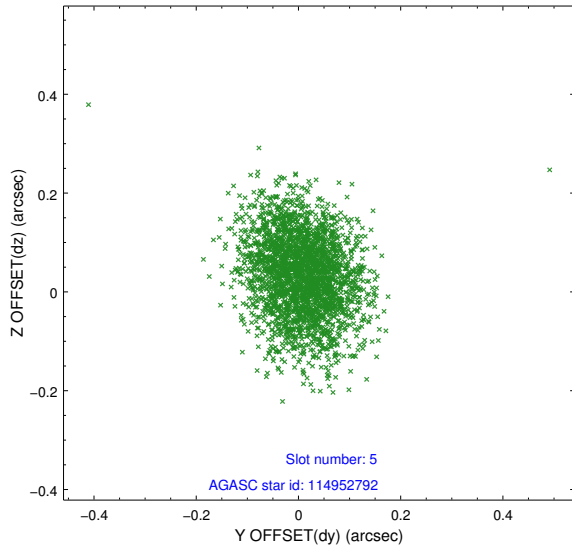
### 2.4.1 Slot 3



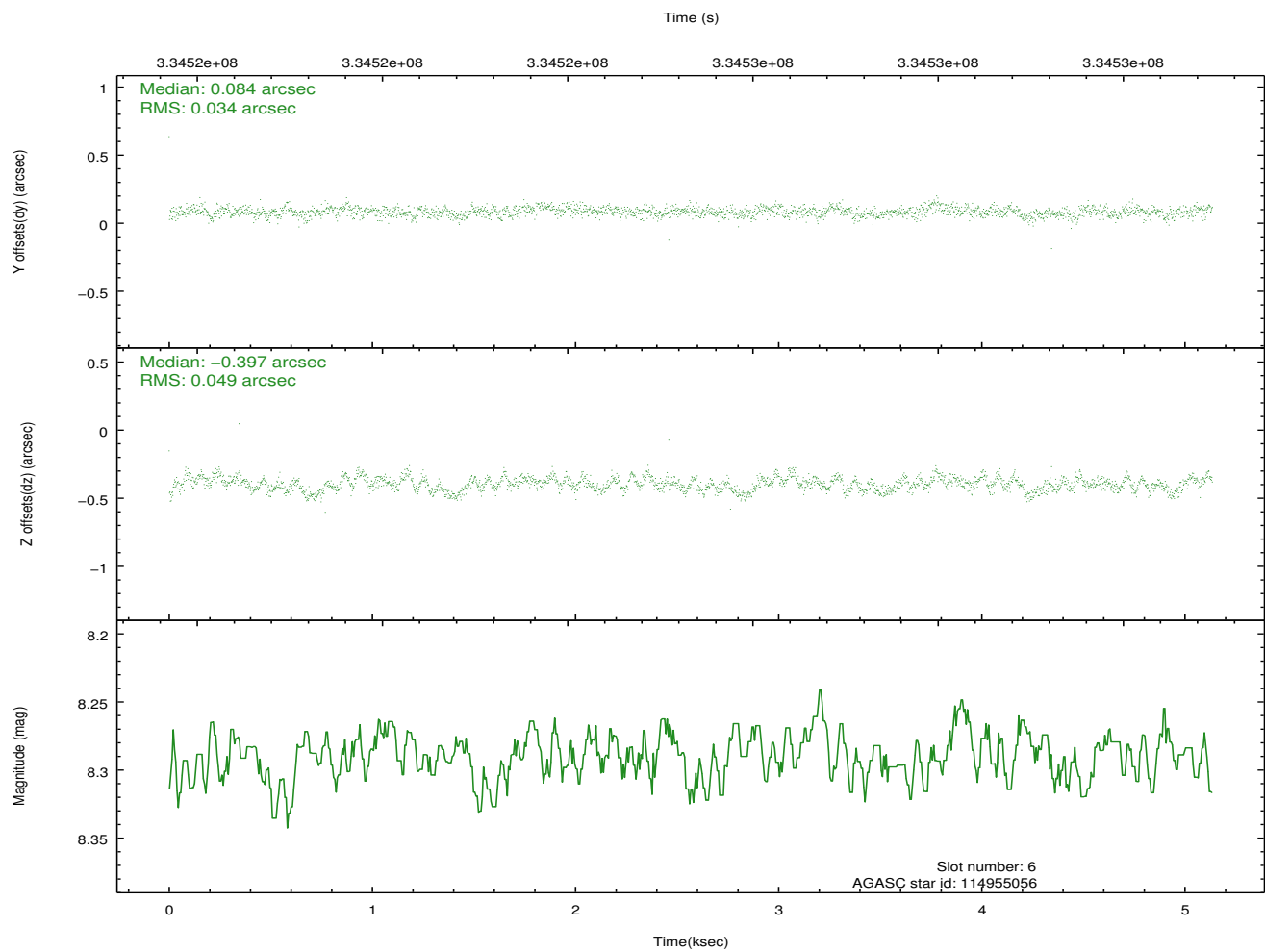
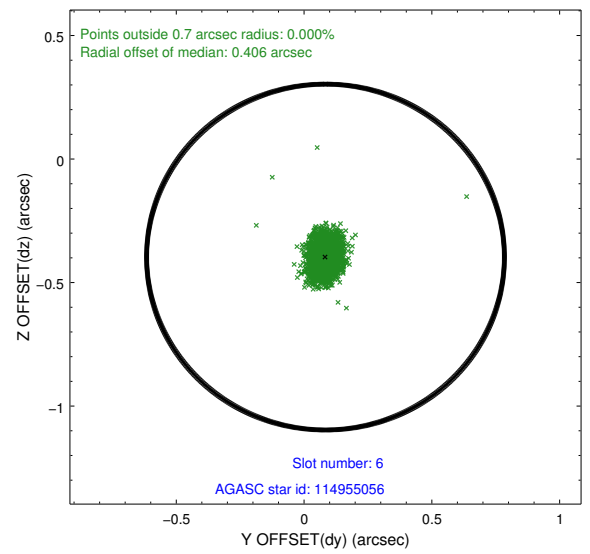
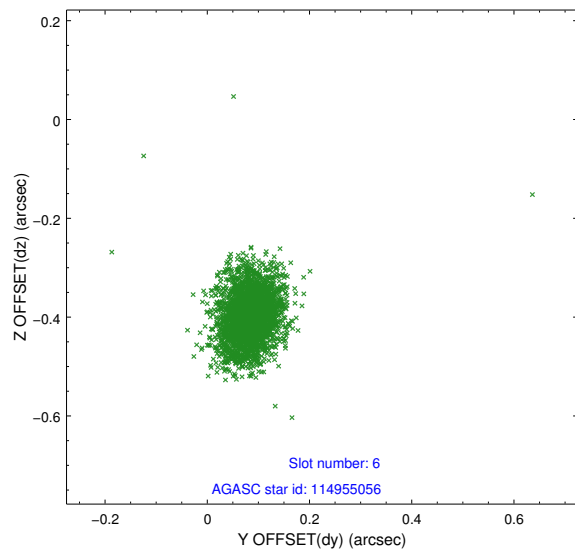
## 2.4.2 Slot 4



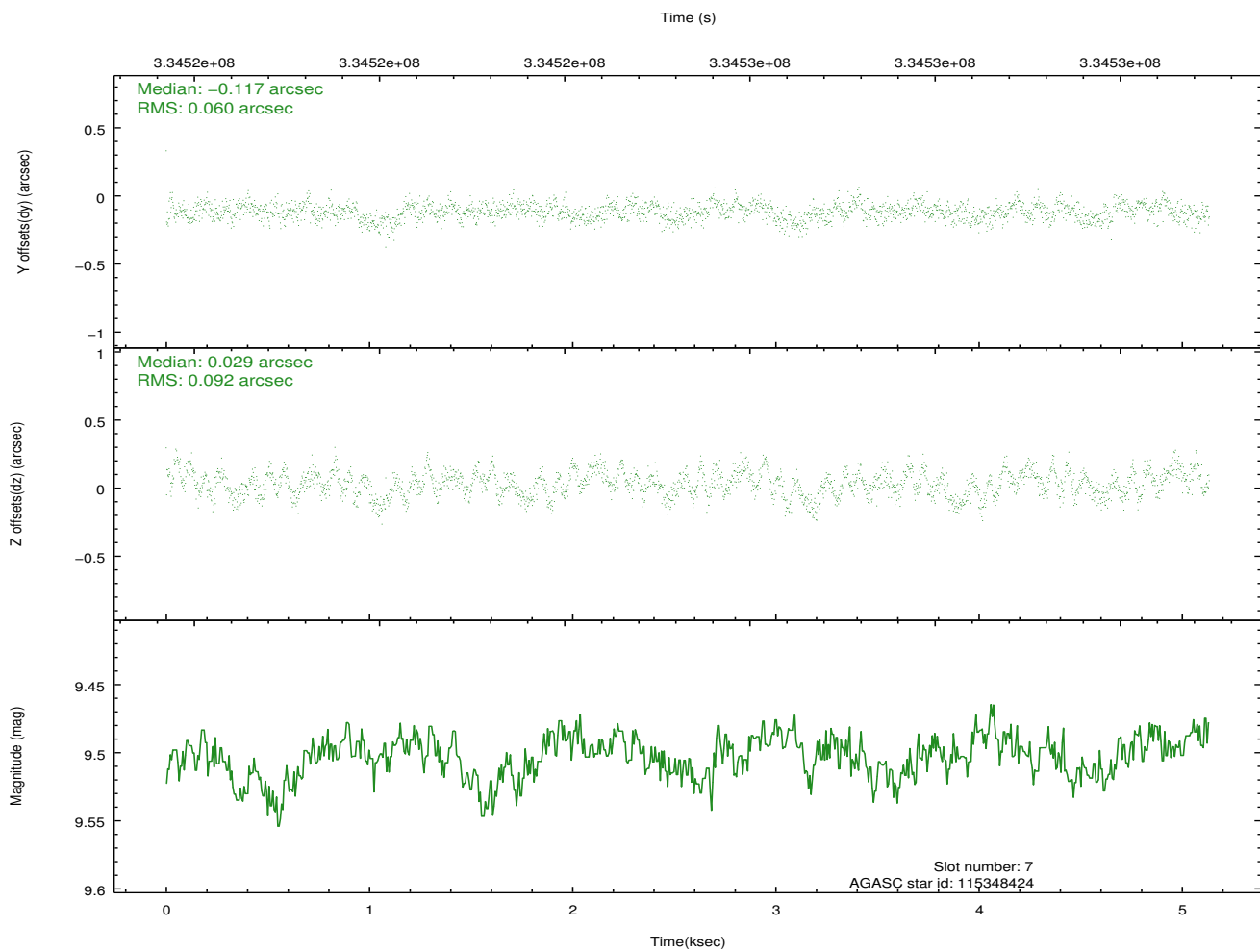
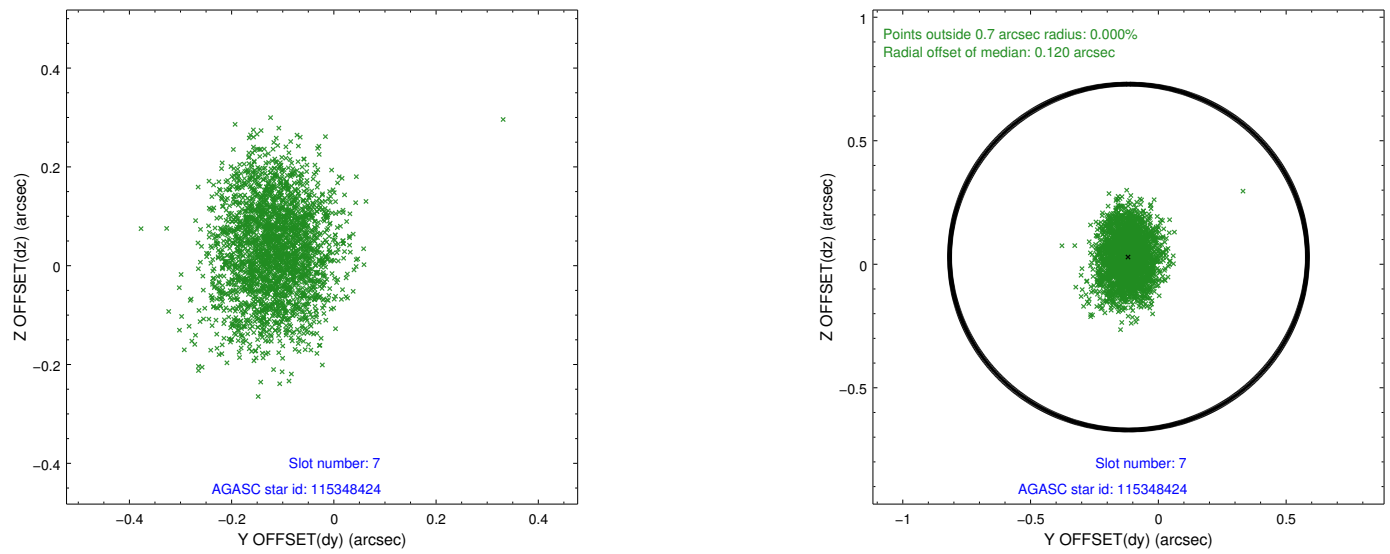
### 2.4.3 Slot 5



## 2.4.4 Slot 6

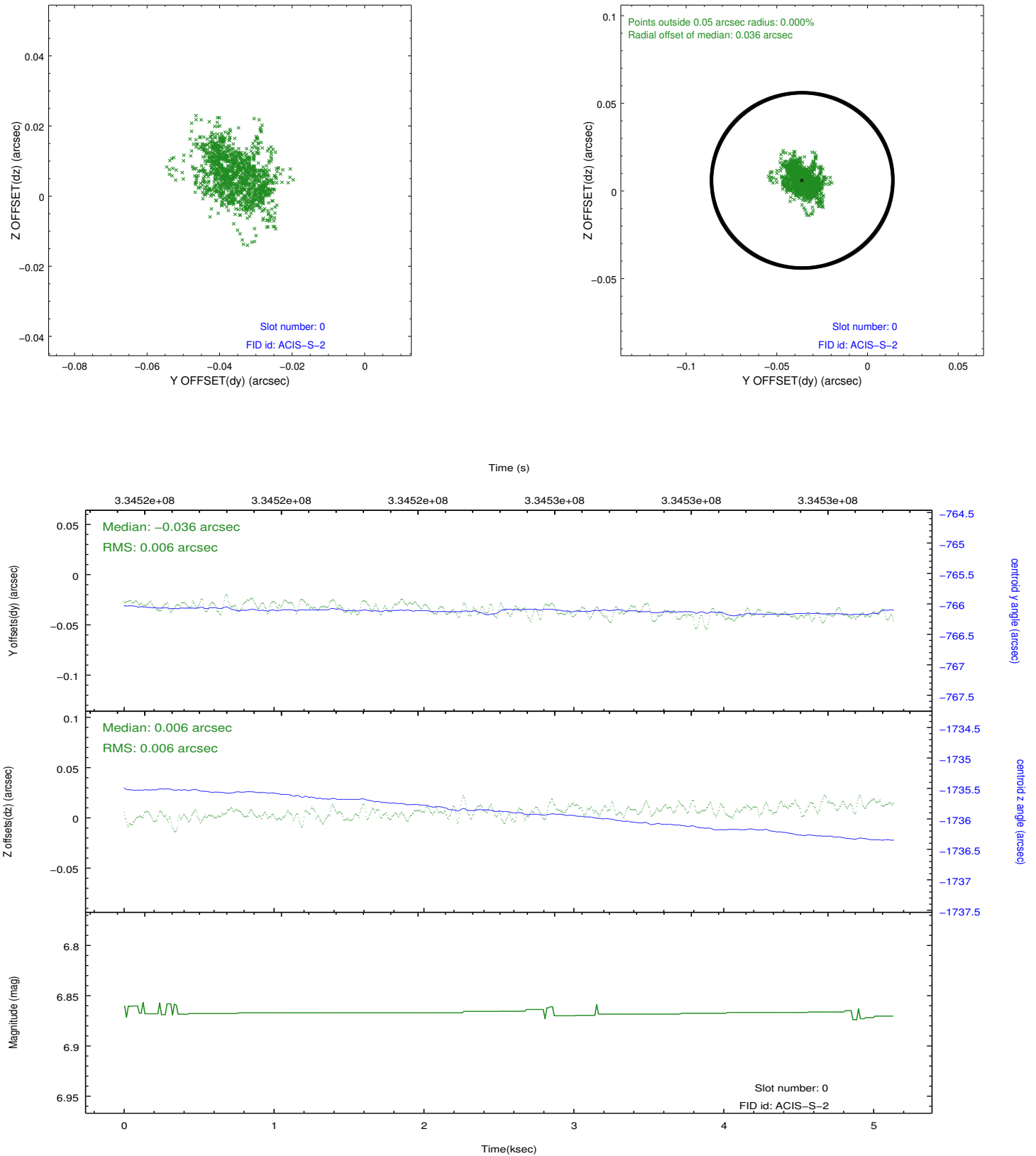


## 2.4.5 Slot 7

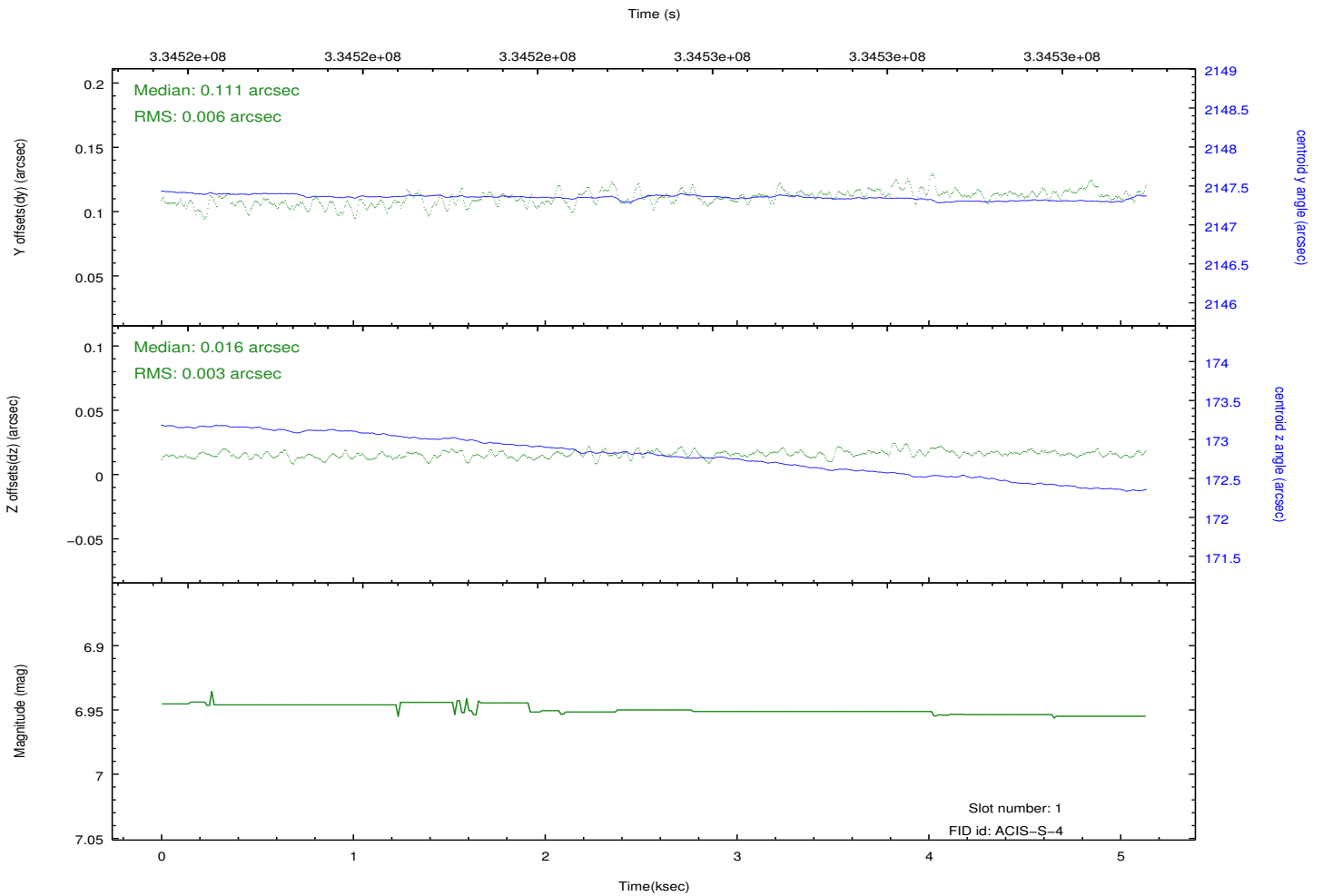
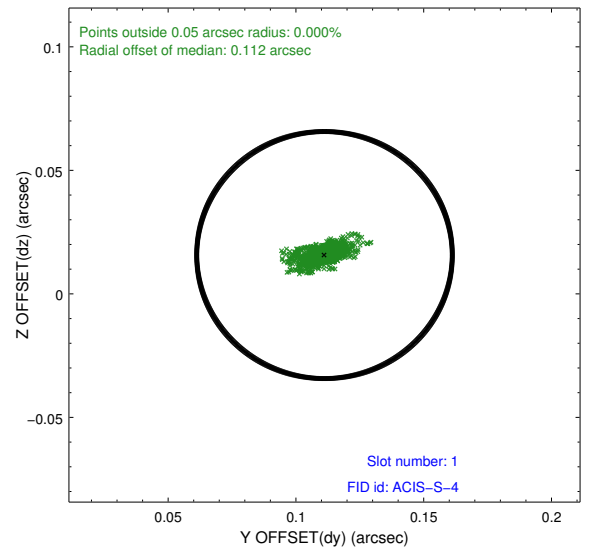
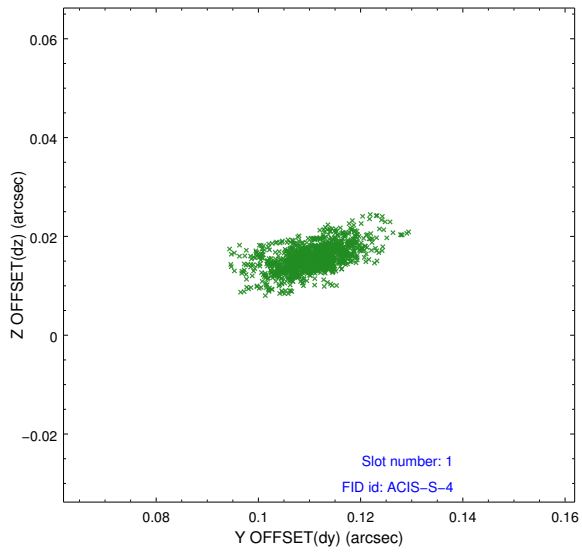


## 2.5 FID Slots

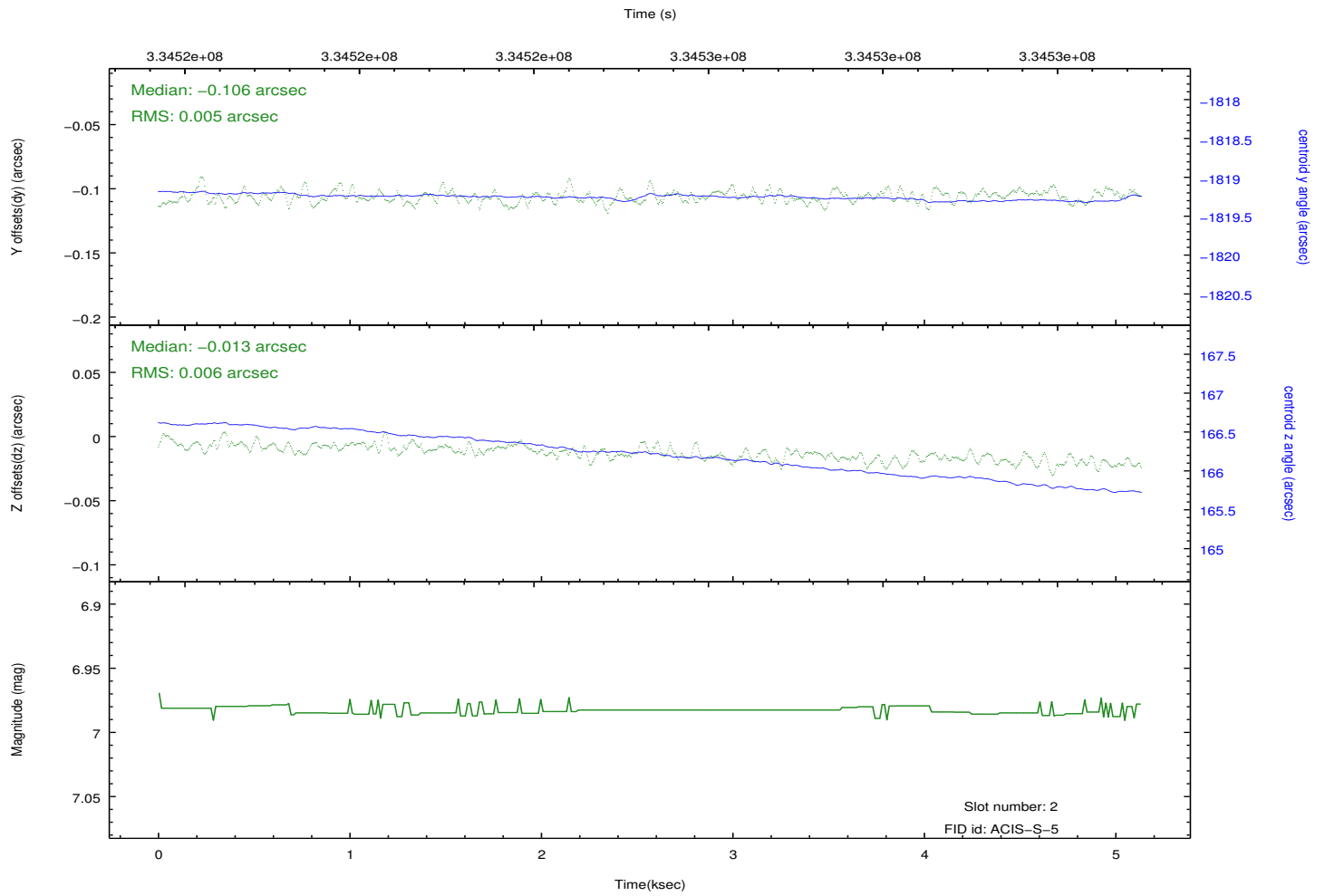
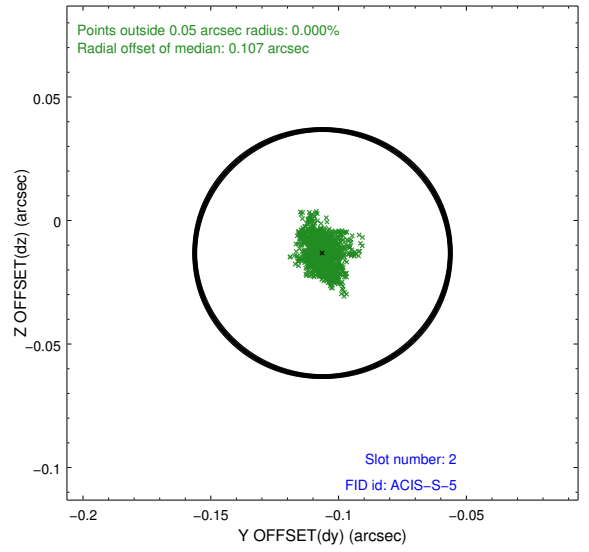
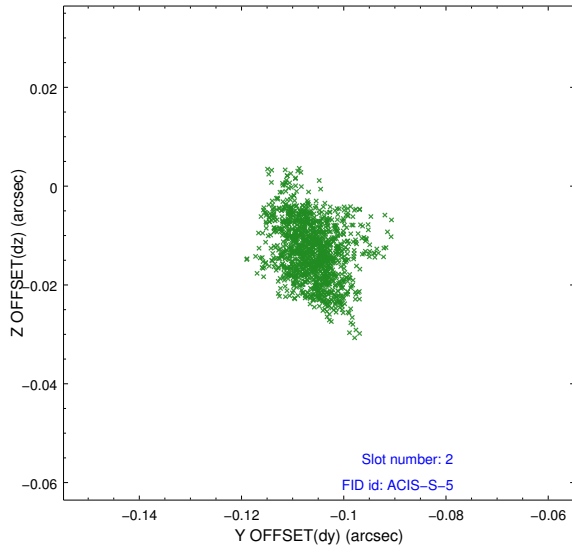
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.13439969

## A.2 Comments

Joint proposal with HST.