

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6778 - L2 Version 2  
Chandra X-Ray Center

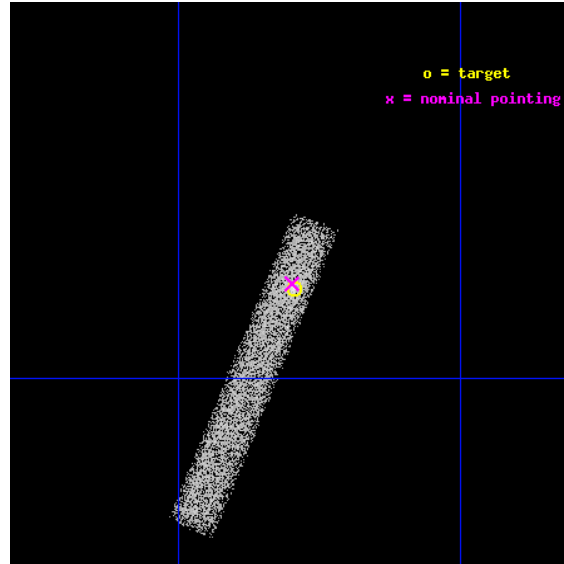
L2 Processing Date : Apr 7 2012

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# 1 Front

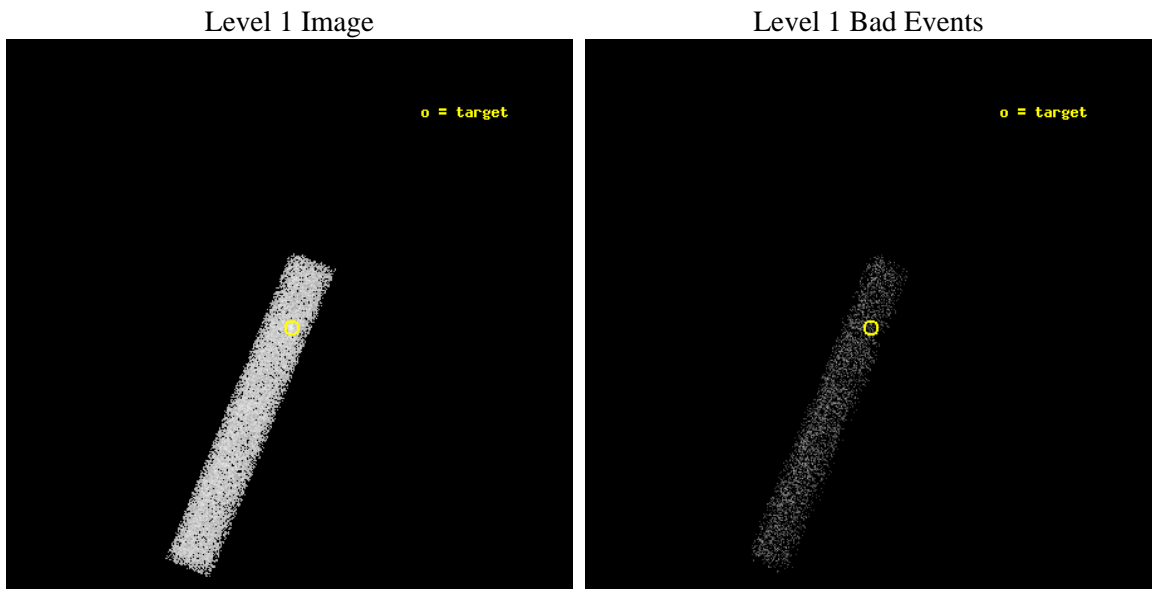
seq_num	701196	Sequence number
obs_id	6778	Observation id
title	Active Galactic Nuclei in nearby galaxies: a new view of the origin of the radio-loud radio-quiet dichotomy?	Proposal title
observer	Dr. Alessandro Capetti	Principal investigator
object	UGC0968	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	21.19875	Observer's specified target RA [deg]
dec_targ	9.538889	Observer's specified target Dec [deg]
ra_nom	21.199853610148	Nominal RA [deg]
dec_nom	9.5406780694042	Nominal Dec [deg]
roll_nom	112.39538163094	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15144.399097323	Sum of GTIs [s]
liveltime	13735.170594344	Livetime [s]
ontime7	15144.399097323	Sum of GTIs [s]
l2events	11751	Number of level 2 events



## 2 OBI

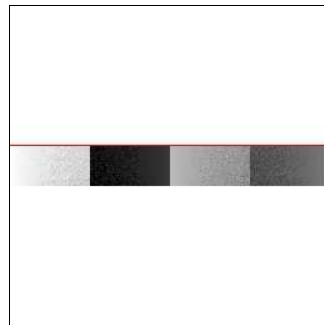
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	15144.399097323	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	15144.399097323	Sum of GTIs [s]
date	2012-04-08T01:30:35	Date and time of file creation	l1events	26535	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

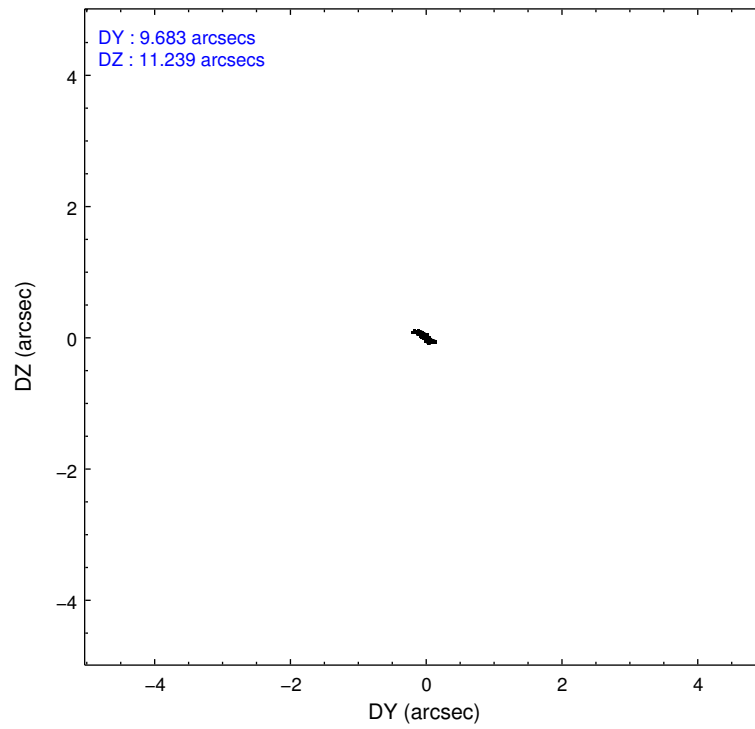
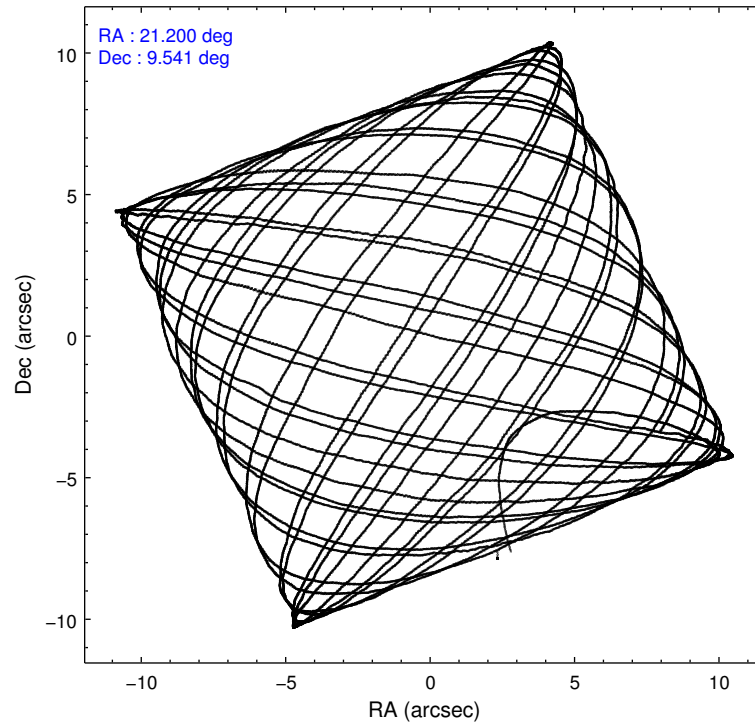
	<b>ccd 7</b>
level 1 events	26535
rejected events	14337
rejected %	54%

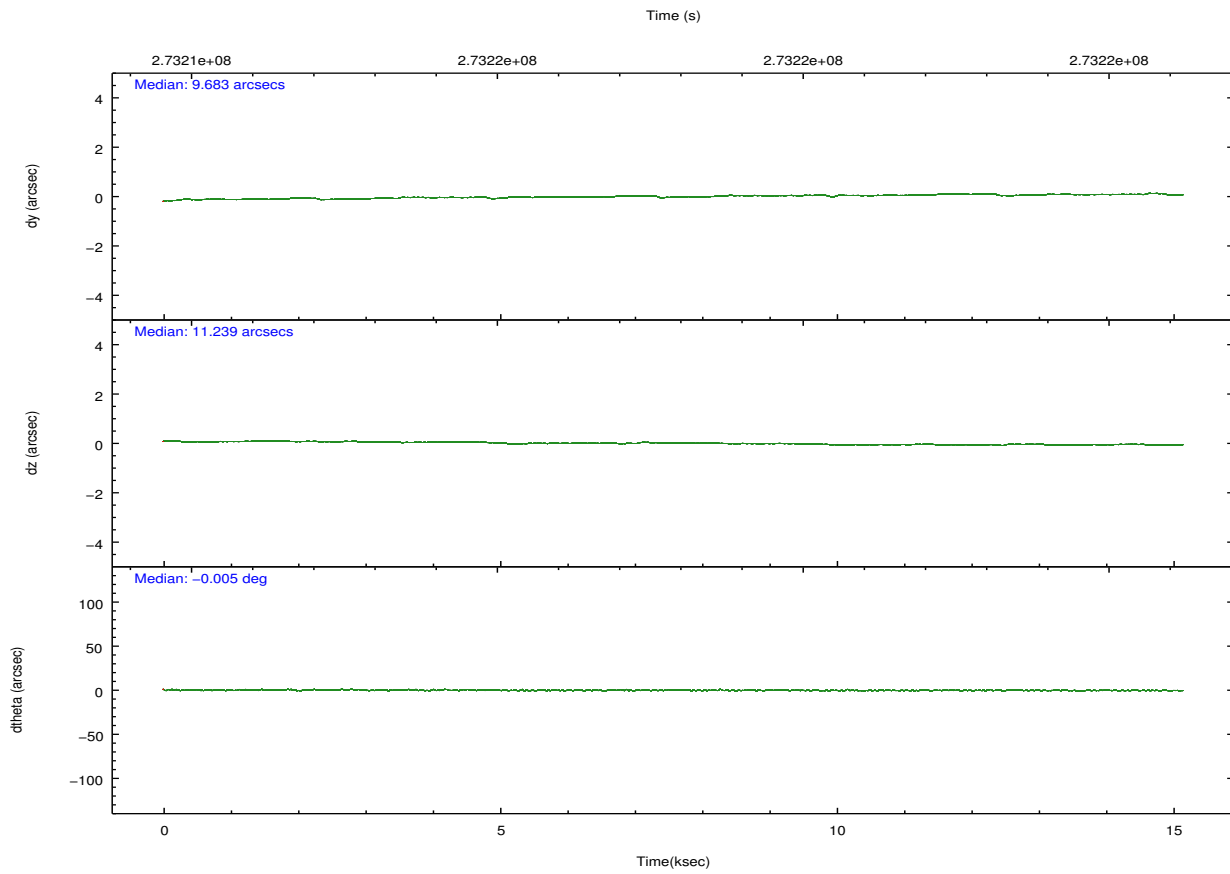
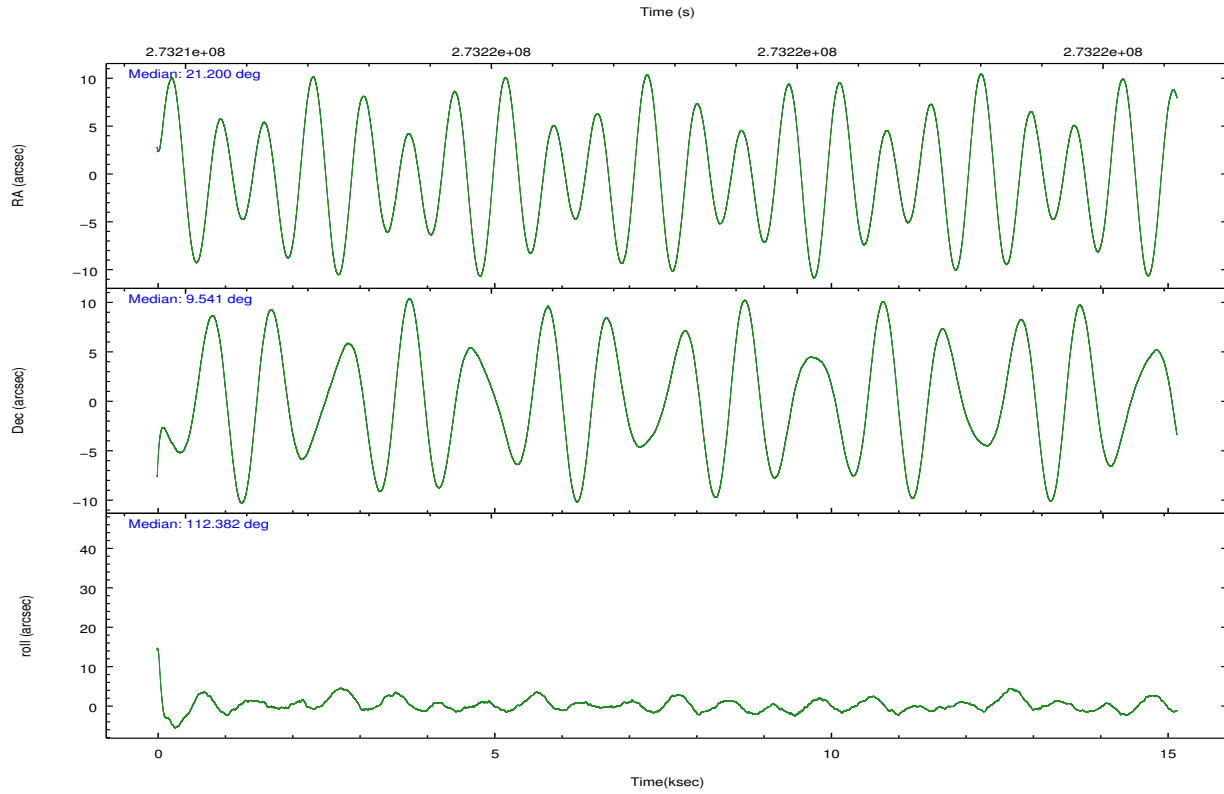
	<b>ccd 7</b>
grade 0 events	1499
	5%
grade 1 events	37
	0%
grade 2 events	2467
	9%
grade 3 events	1628
	6%
grade 4 events	1599
	6%
grade 5 events	2434
	9%
grade 6 events	5665
	21%
grade 7 events	11206
	42%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	21.221938	21.19985361014769	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	9.524356	9.540678069404203	Subarray start row	449	449
[deg] Pointing Roll	112.235082	112.395381630944	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)	273210435.184000	273209359.09618			
Observation start date	2006-08-29T03:46:10	2006-08-29T03:29:19			
[s] Observation end time (MET)	273225435.184000	273226477.10949			
Observation end date	2006-08-29T07:56:10	2006-08-29T08:14:37			
Read mode	TIMED	TIMED			

## 2.3 Aspect



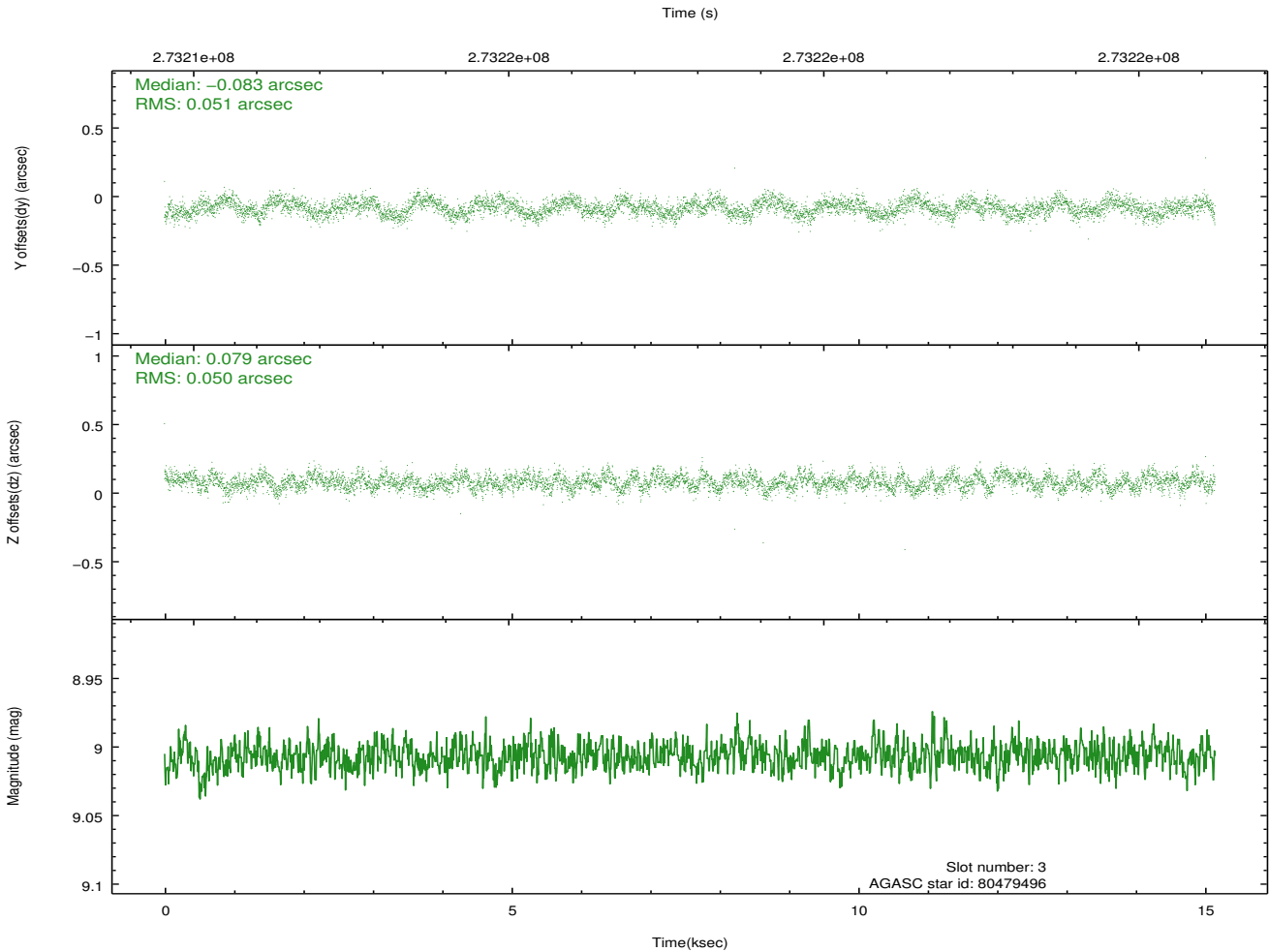
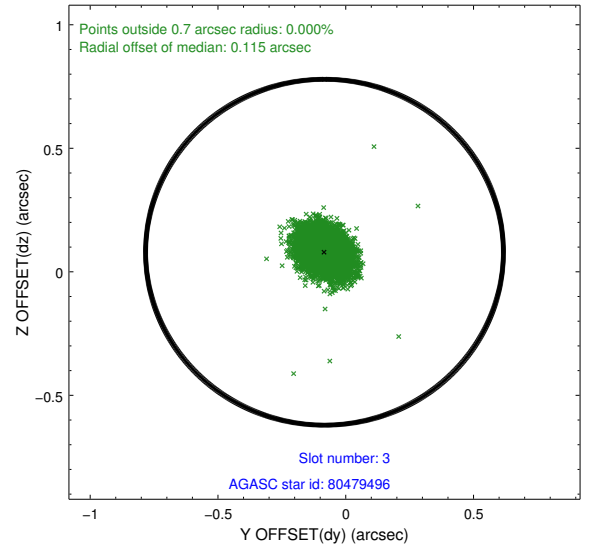
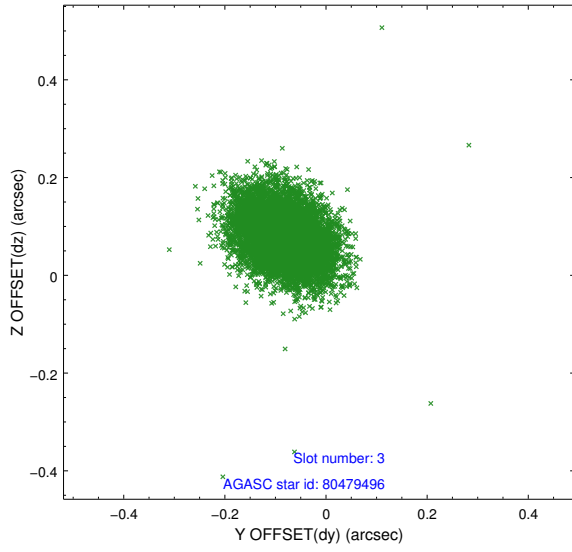


### Slot Statistics

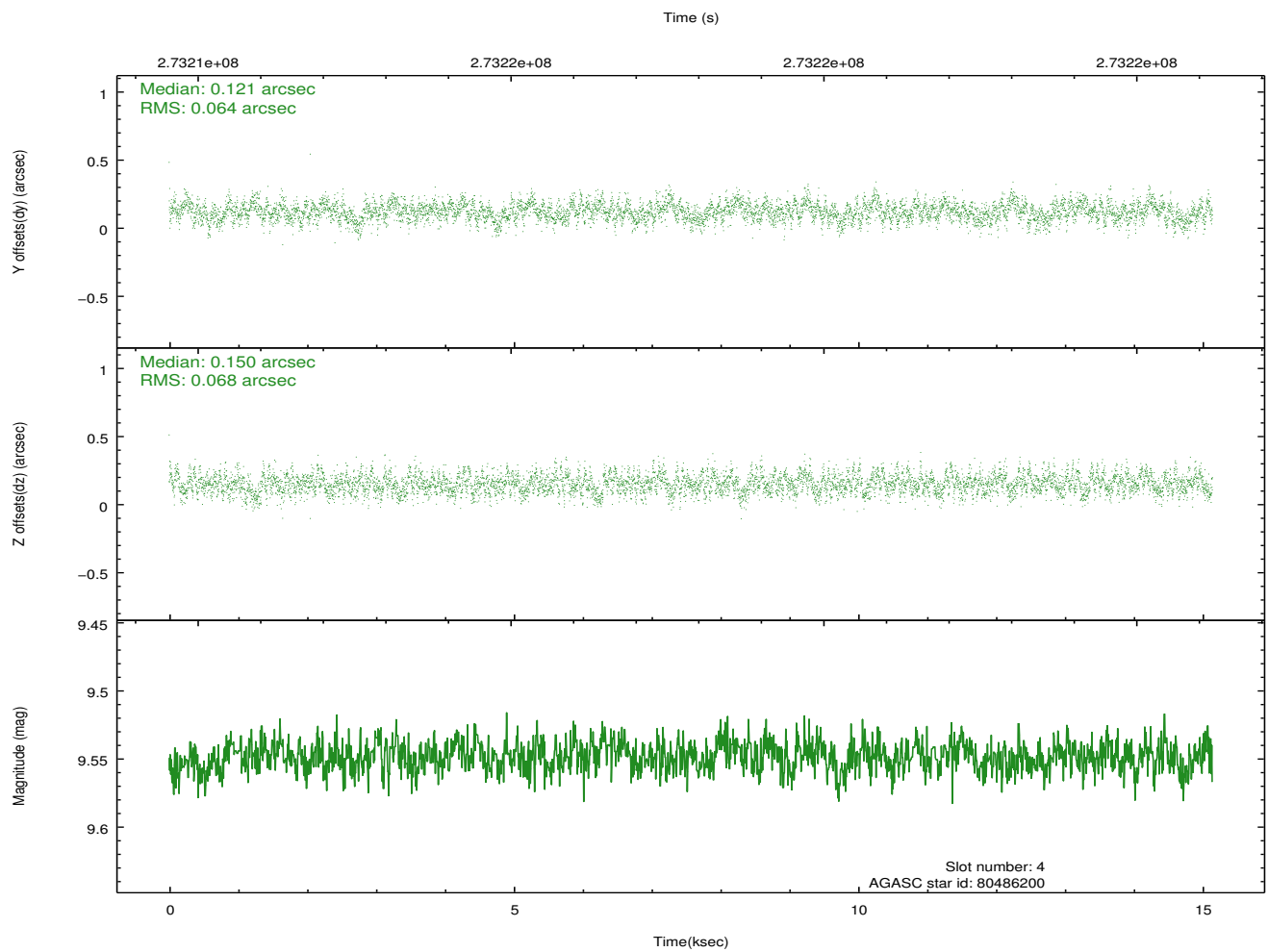
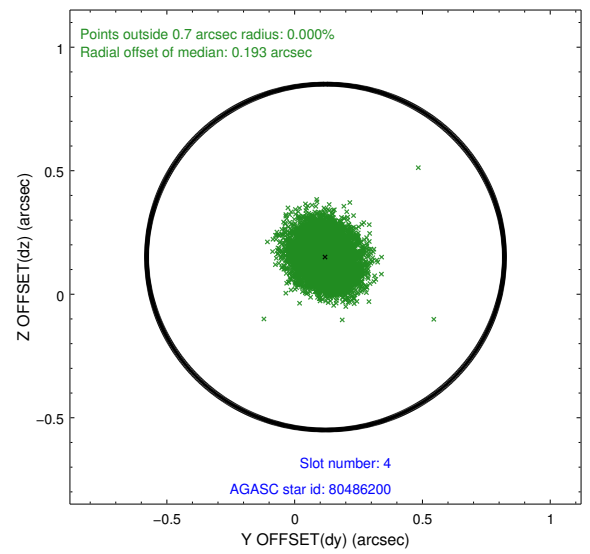
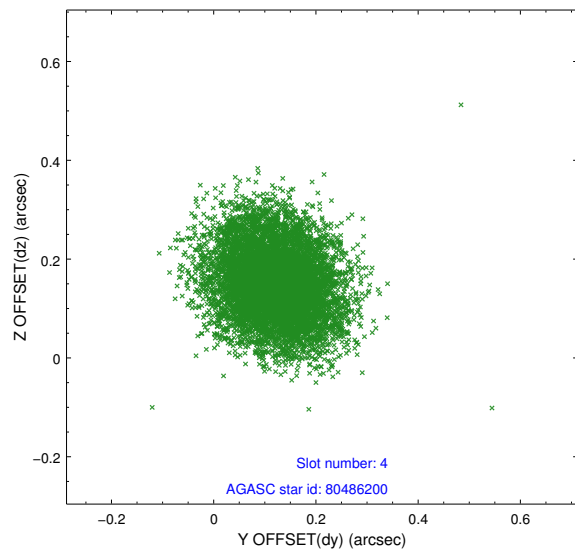
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	3693	-0.045	-0.017	0.007	0.011	0.000000	0.000000	-762.53	-1732.50
1	FID	ACIS-S-4	7.21	3693	0.152	0.026	0.005	0.010	0.000000	0.000000	2150.79	175.76
2	FID	ACIS-S-5	7.23	3694	-0.138	-0.001	0.007	0.011	0.000000	0.000000	-1815.11	169.69
3	GUIDE	80479496	9.01	7386	-0.083	0.079	0.076	0.120	21.360602	9.709567	431.37	-707.44
4	GUIDE	80486200	9.55	7381	0.121	0.150	0.100	0.159	21.620104	9.531096	-510.89	-1318.01
5	GUIDE	80488328	7.73	7388	0.079	-0.246	0.104	0.157	20.778363	9.187625	-525.11	1917.06
6	GUIDE	80483632	8.55	7320	0.069	-0.199	0.077	0.121	20.803064	9.191073	-546.69	1831.90
7	GUIDE	80873864	9.31	7384	-0.181	0.212	0.110	0.182	21.639797	10.281466	1964.37	-2400.81

## 2.4 Star Slots

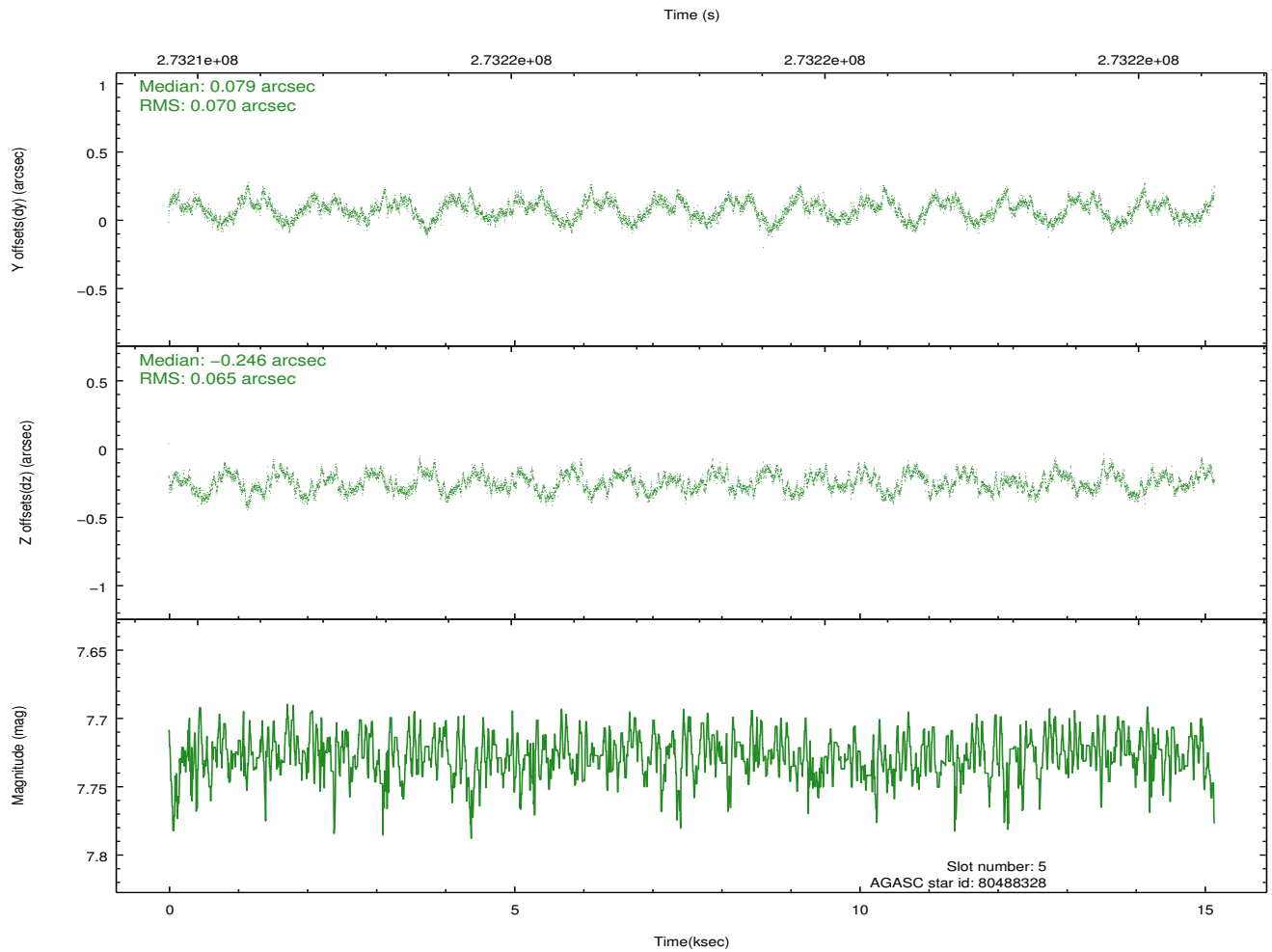
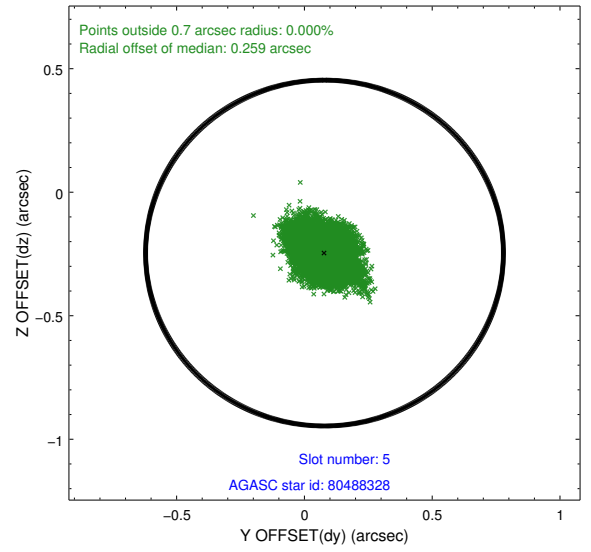
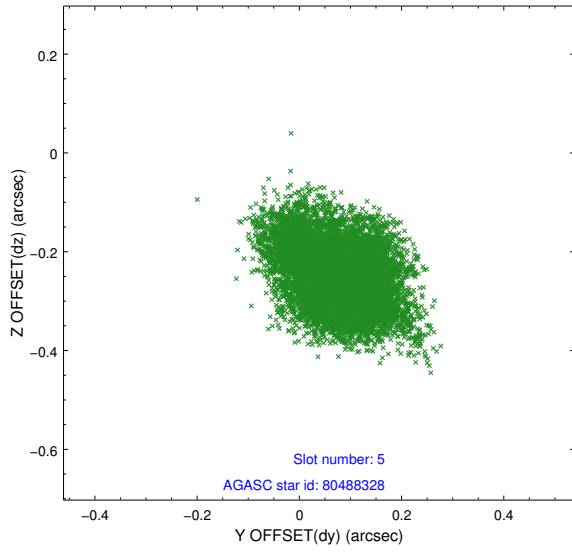
### 2.4.1 Slot 3



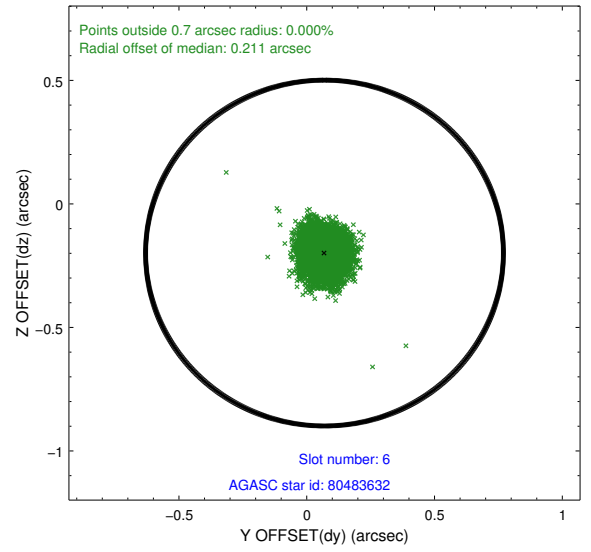
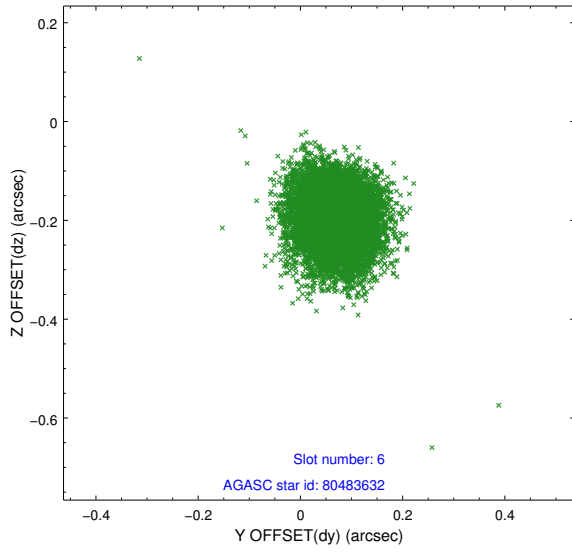
## 2.4.2 Slot 4



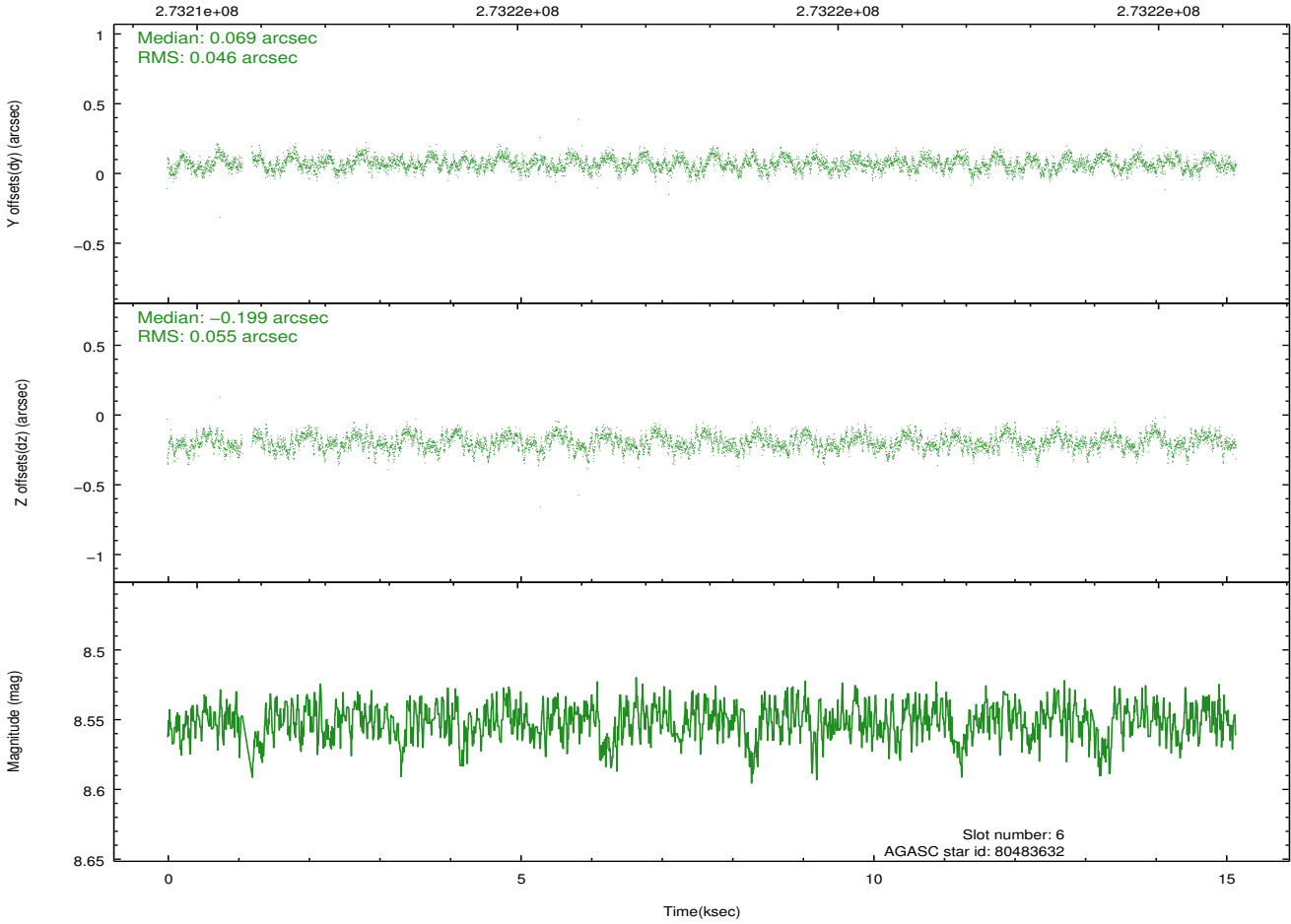
### 2.4.3 Slot 5



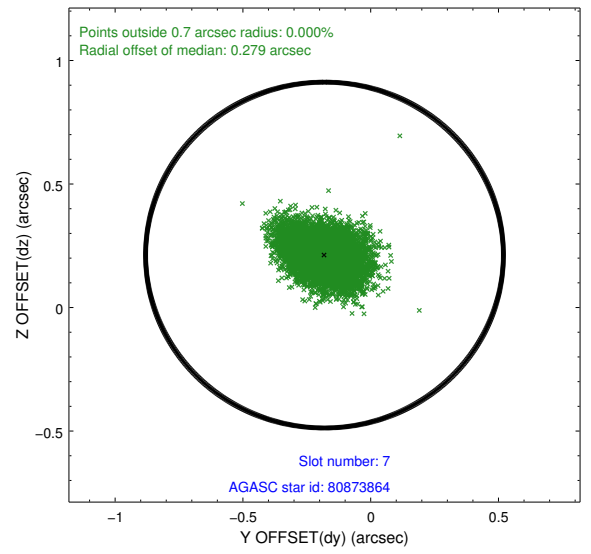
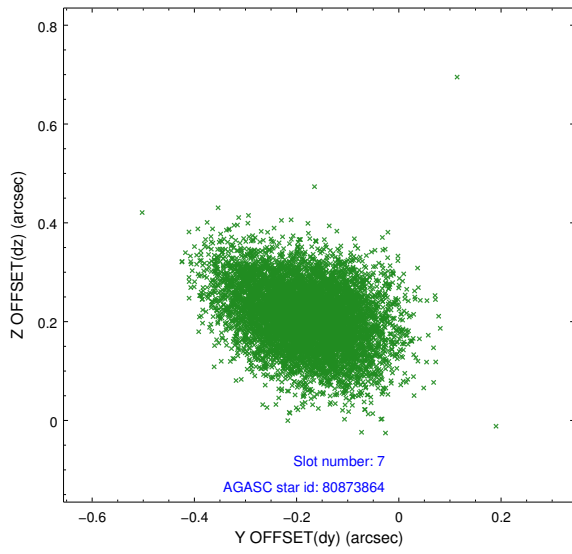
### 2.4.4 Slot 6



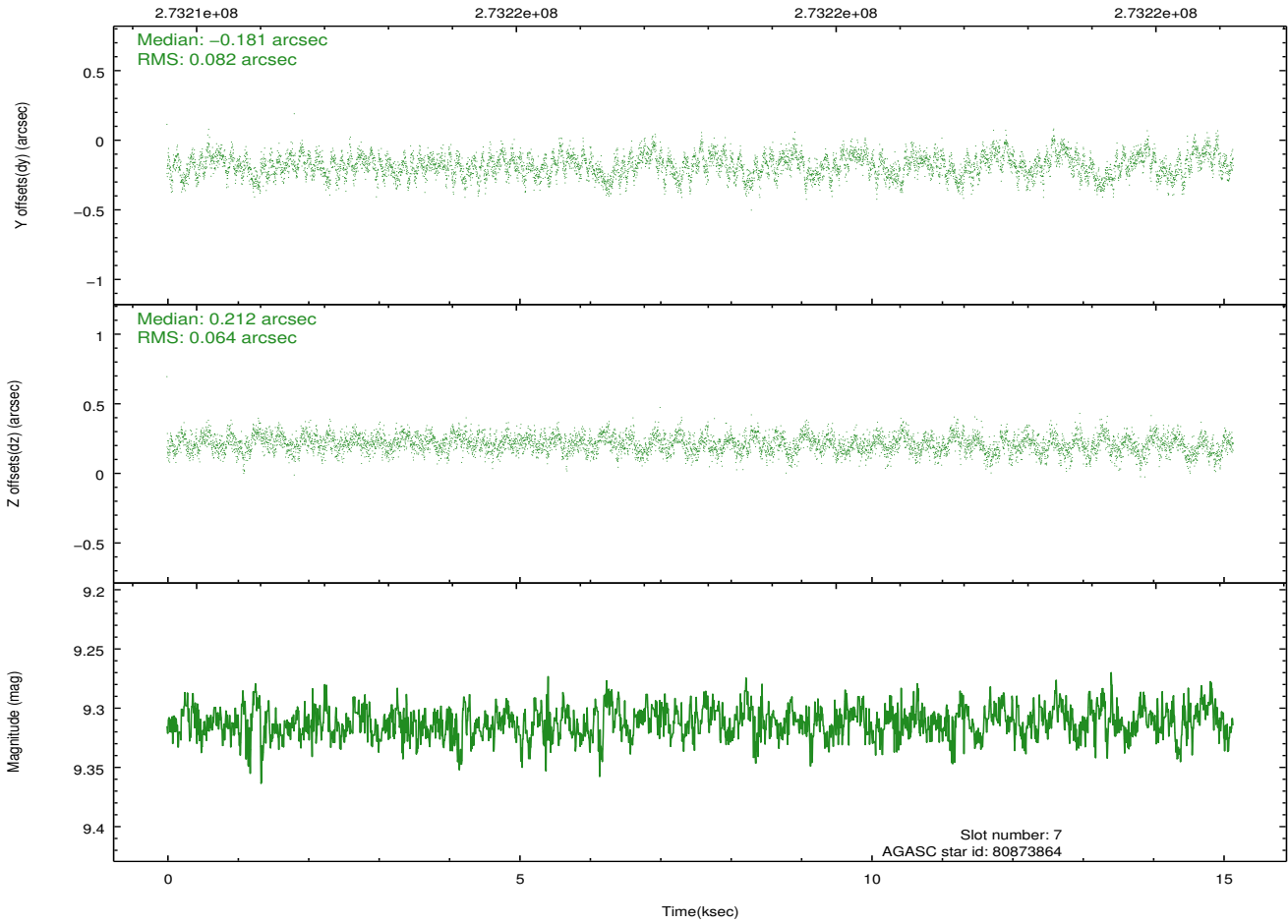
Time (s)



## 2.4.5 Slot 7

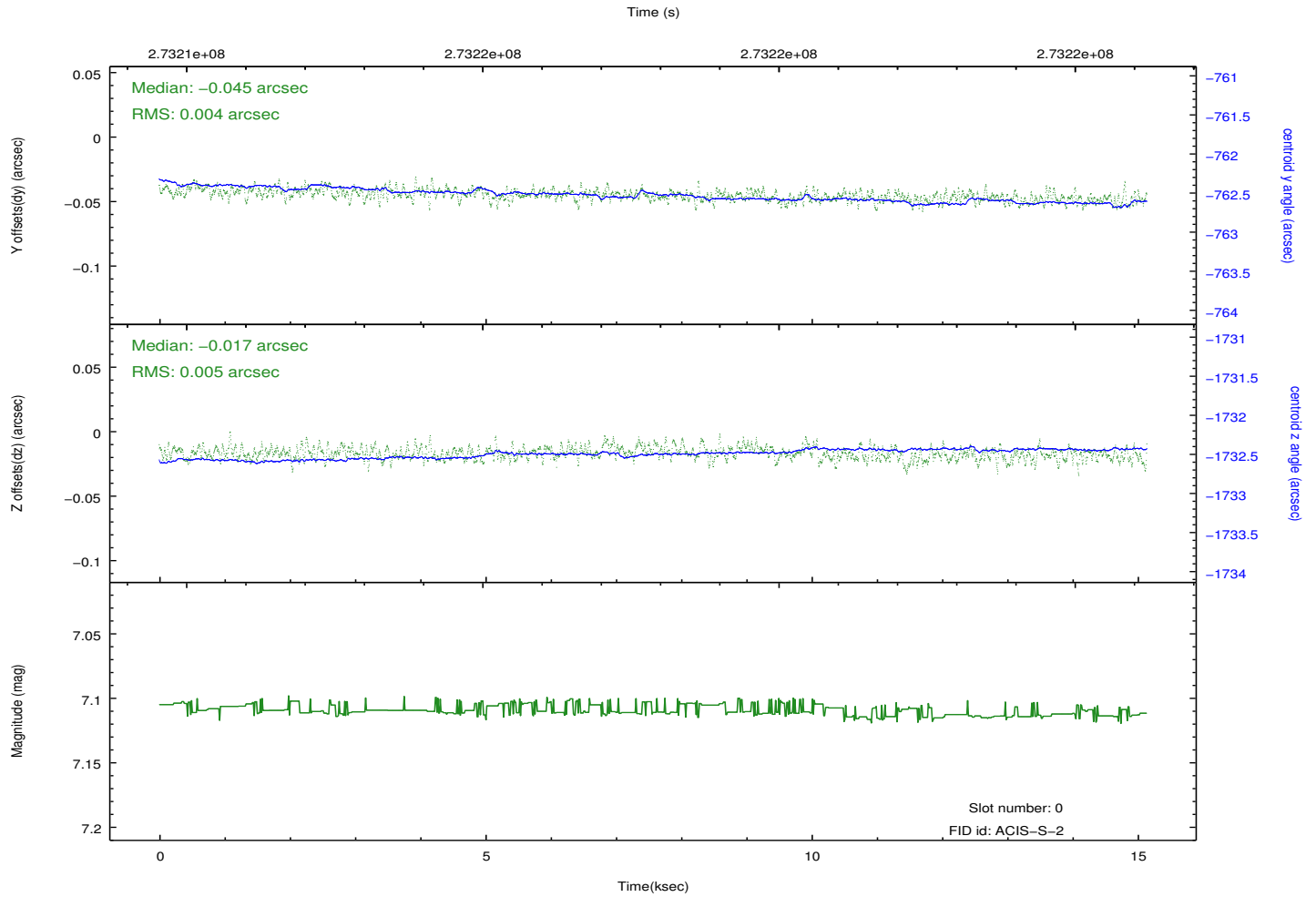
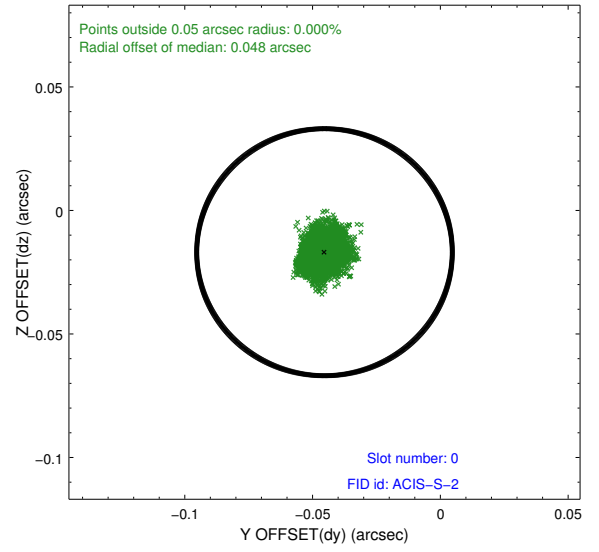
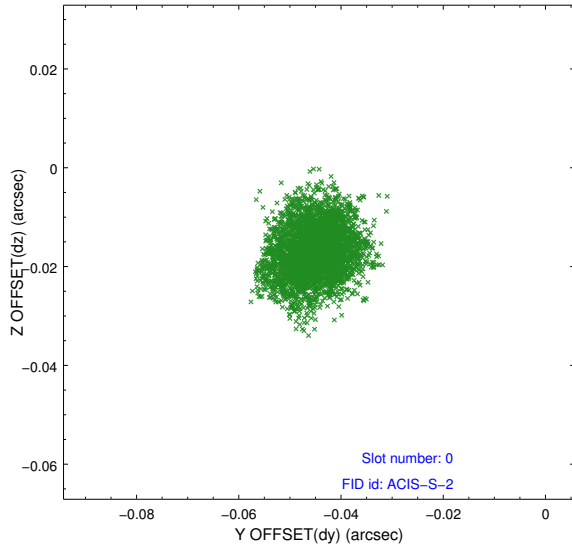


Time (s)

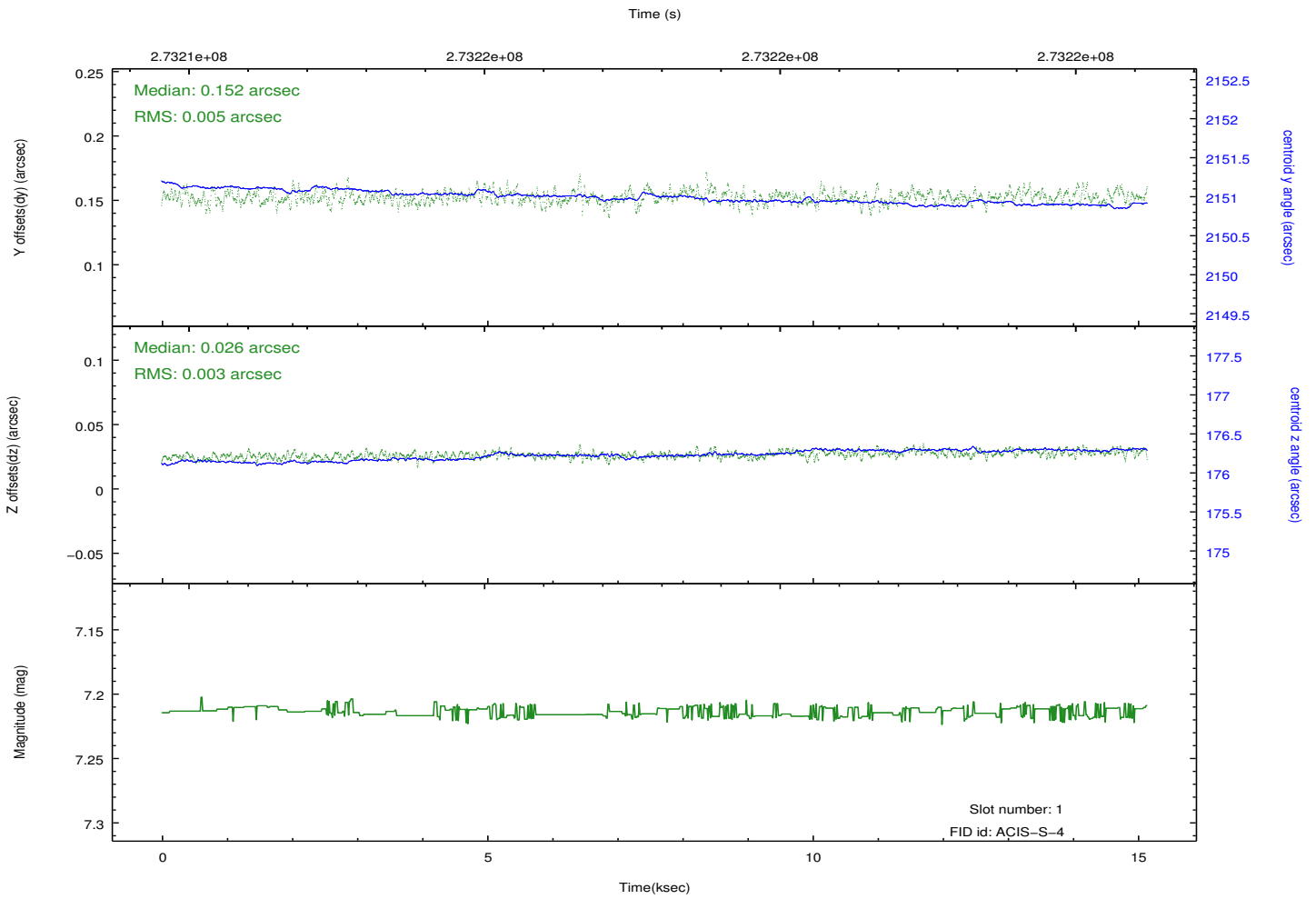
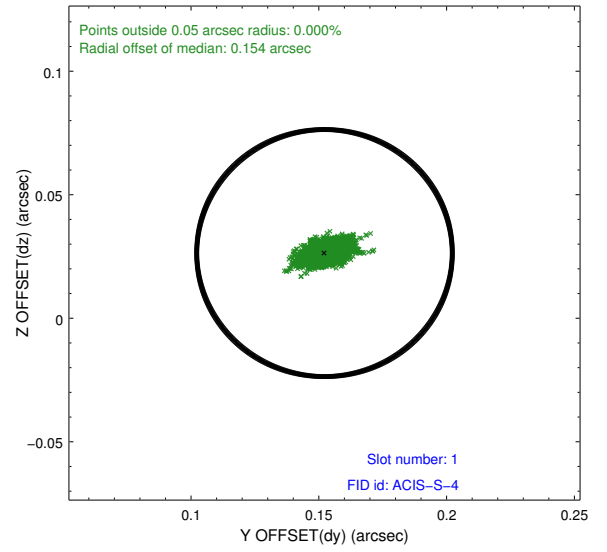
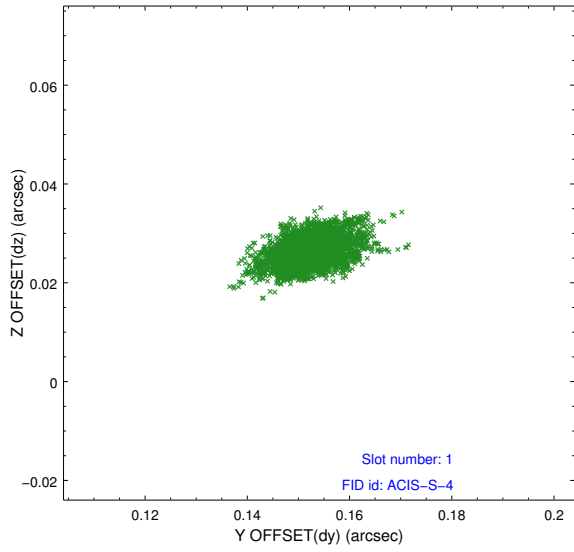


## 2.5 FID Slots

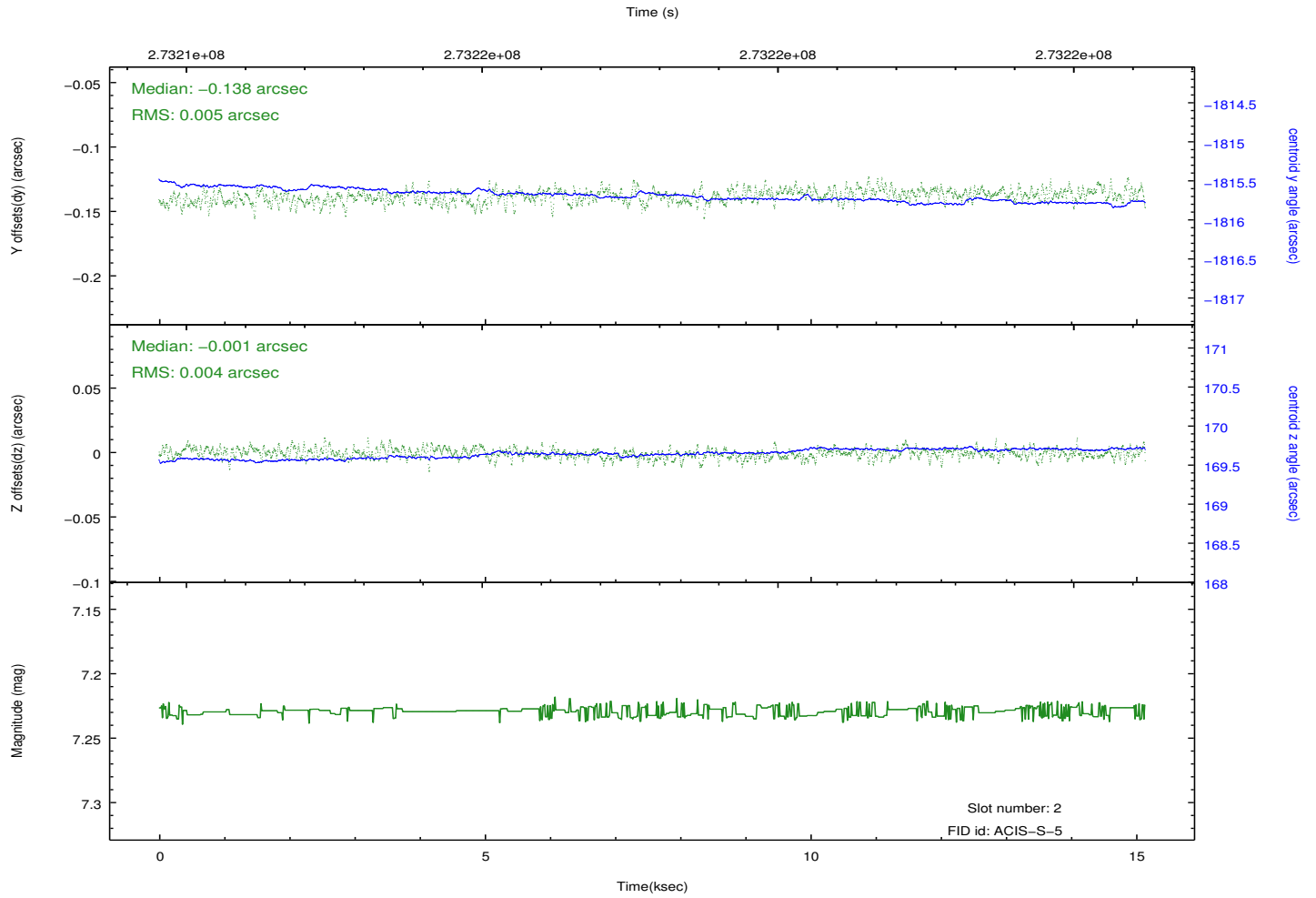
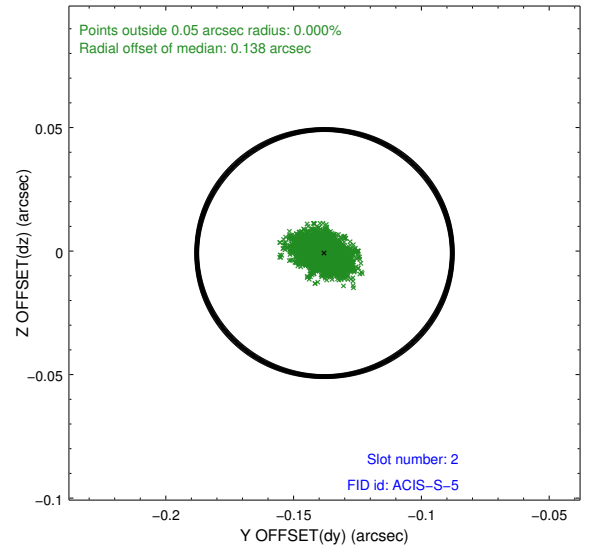
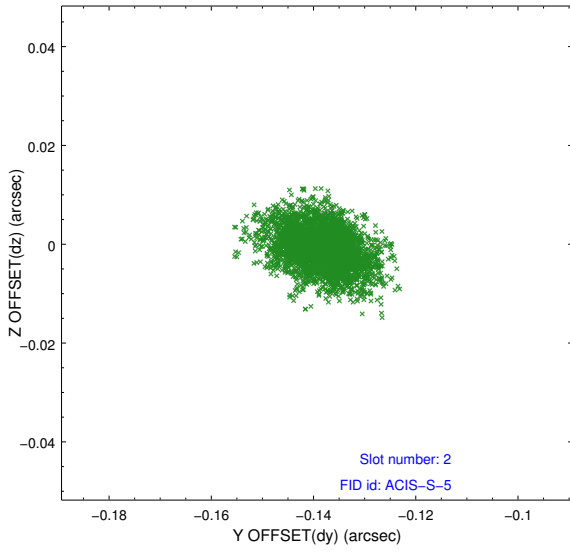
### 2.5.1 Slot 0



## 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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.144399

## A.2 Comments