

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 4774 - L2 Version 3  
Chandra X-Ray Center

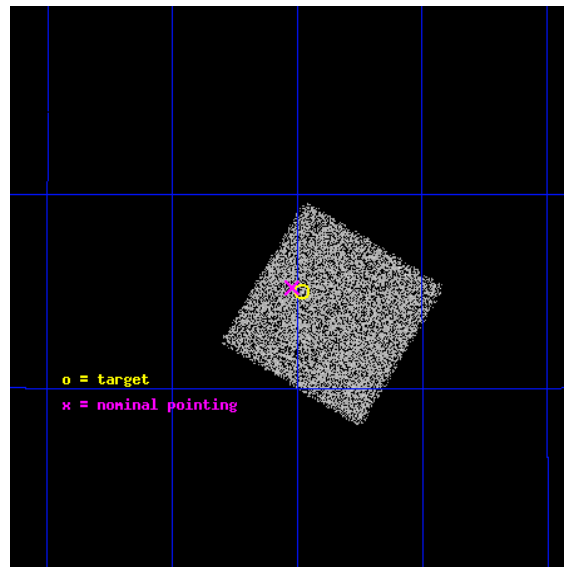
L2 Processing Date : Dec 10 2012

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# 1 Front

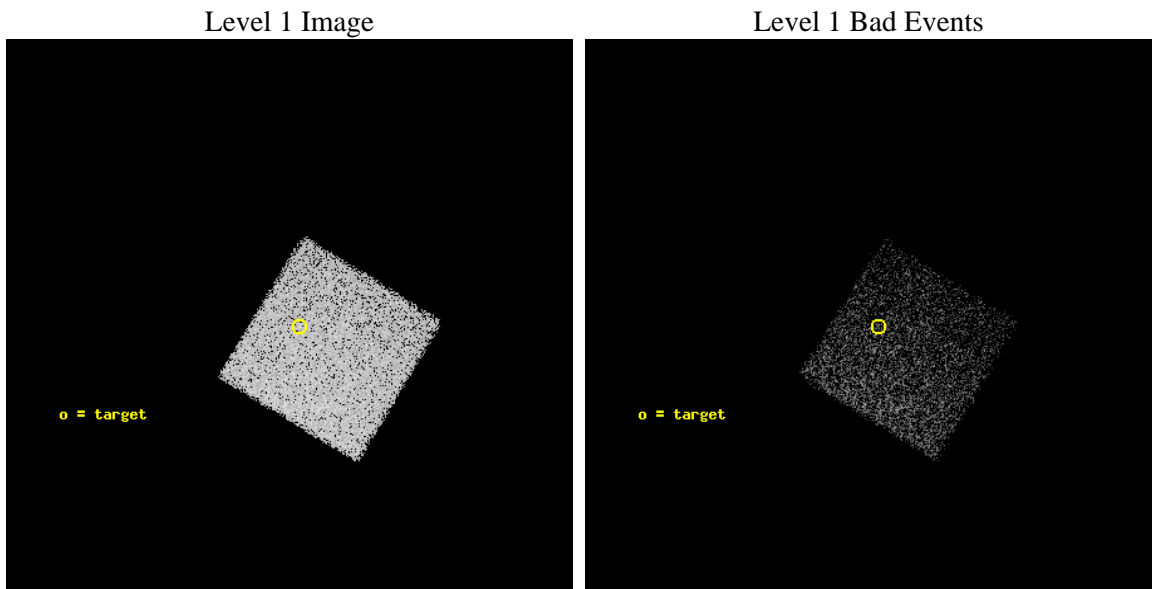
seq_num	700857	Sequence number
obs_id	4774	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1255-3653	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.995	Observer's specified target RA [deg]
dec_targ	29.24975	Observer's specified target Dec [deg]
ra_nom	194.00539541955	Nominal RA [deg]
dec_nom	29.253253102221	Nominal Dec [deg]
roll_nom	31.158227453229	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4185.0	Sum of GTIs [s]
livetime	4128.5218214821	Livetime [s]
ontime7	4185.0	Sum of GTIs [s]
l2events	18460	Number of level 2 events



## 2 OBI

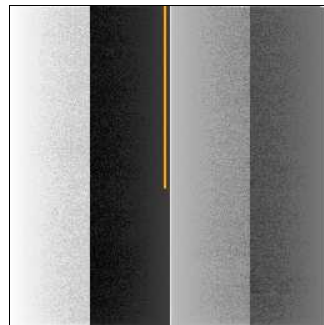
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	4185.0	Sum of GTIs [s]
caldbver	4.5.4	&#160	ontime7	4185.0	Sum of GTIs [s]
date	2012-12-10T22:42:30	Date and time of file creation	l1events	45814	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

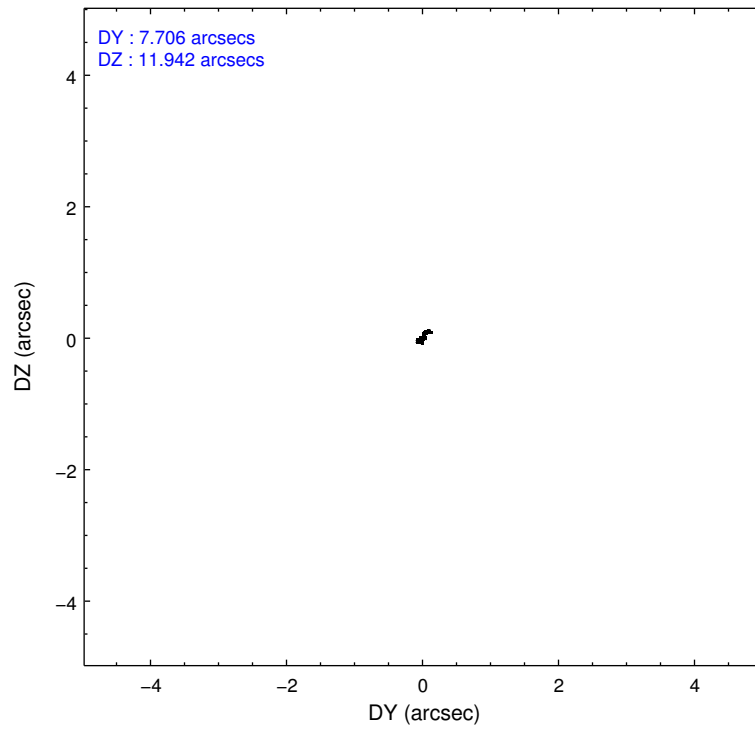
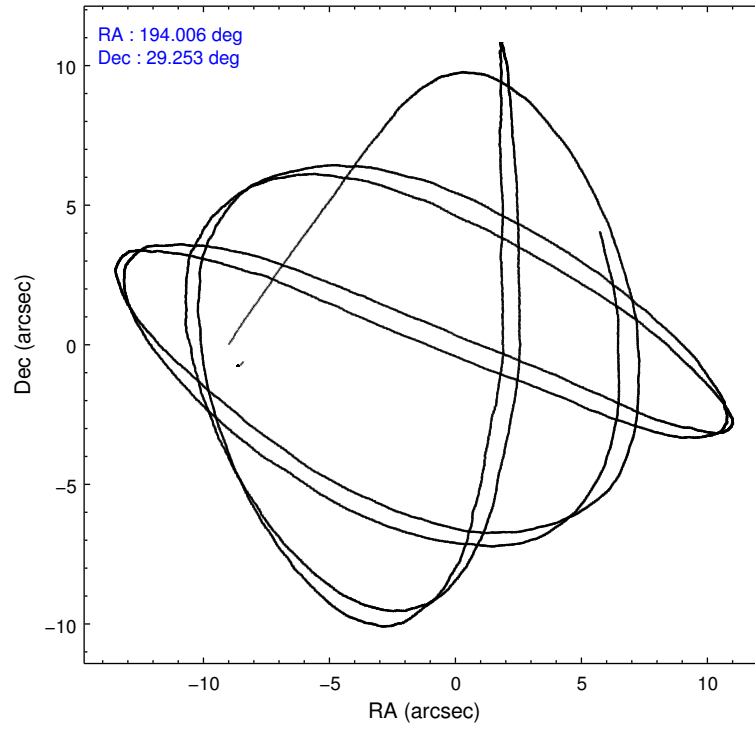
	<b>ccd 7</b>
level 1 events	45814
rejected events	26836
rejected %	<b>58%</b>

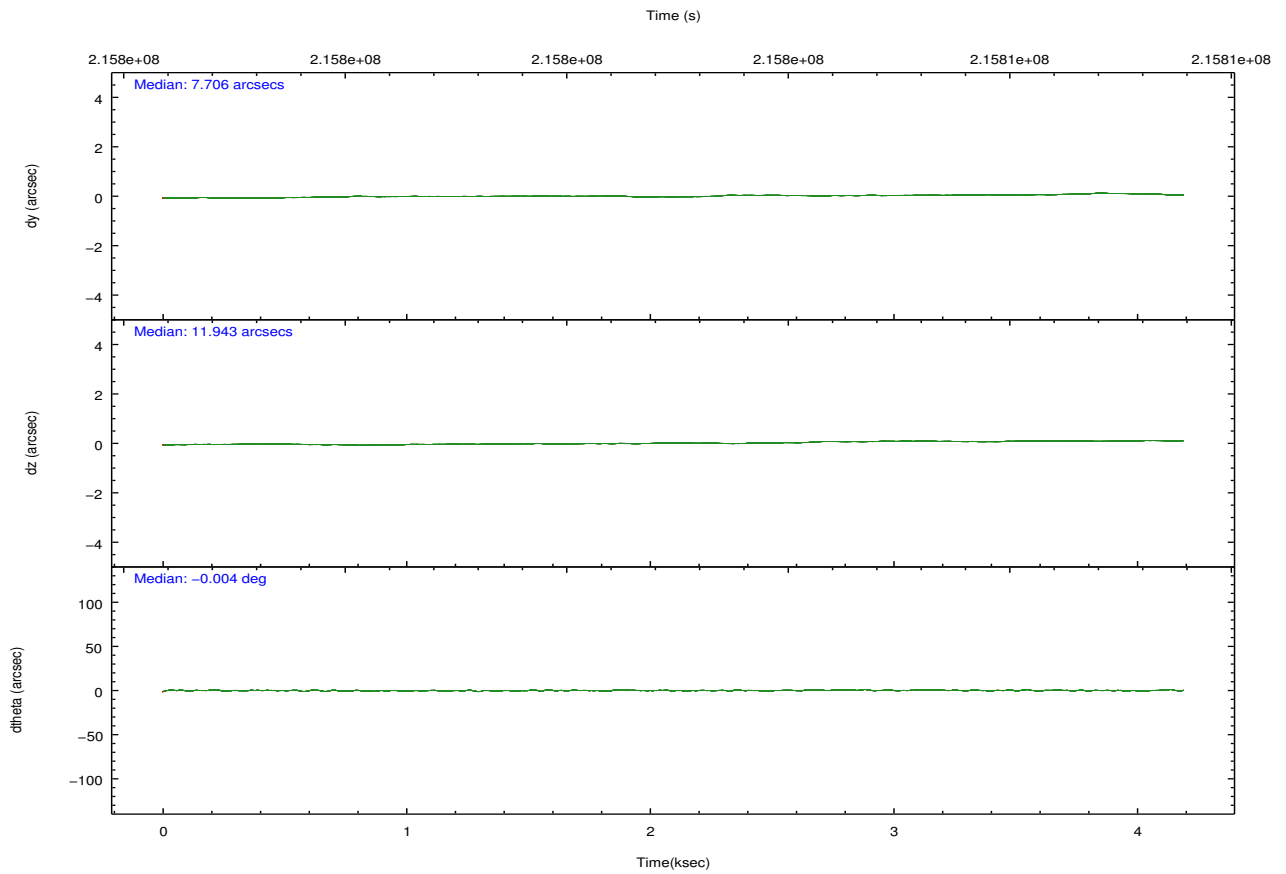
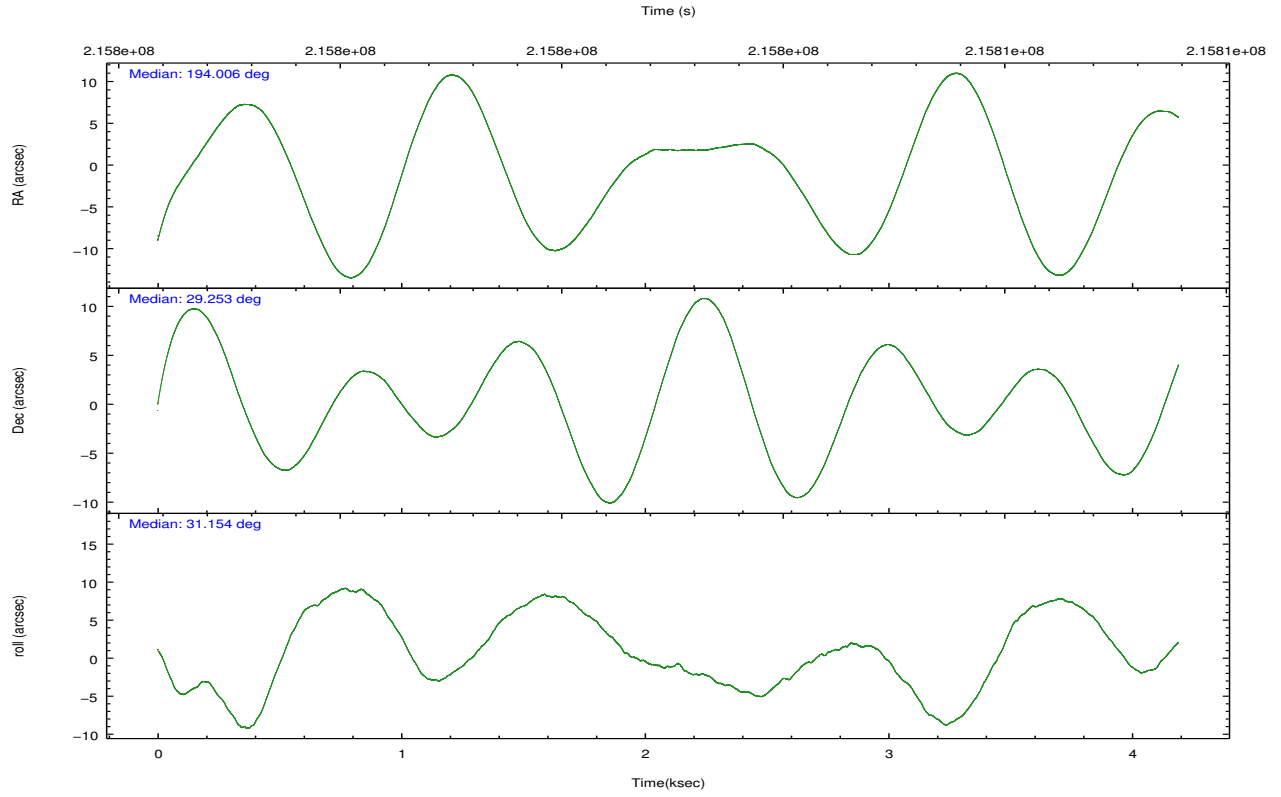
	<b>ccd 7</b>
grade 0 events	1773
	3%
grade 1 events	37
	0%
grade 2 events	3754
	8%
grade 3 events	1724
	3%
grade 4 events	1739
	3%
grade 5 events	4504
	9%
grade 6 events	10329
	22%
grade 7 events	21954
	47%

## 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	193.990658	194.0053954195524	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.229199	29.25325310222053	Alternating exposures requested	N	N
[deg] Pointing Roll	31.008822	31.15822745322891	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	215802573.184000	215801798.61923			
Observation start date	2004-11-02T17:08:29	2004-11-02T16:56:38			
[s] Observation end time (MET)	215806573.184000	215806728.35695			
Observation end date	2004-11-02T18:15:09	2004-11-02T18:18:48			
Read mode	TIMED	TIMED			

## 2.3 Aspect



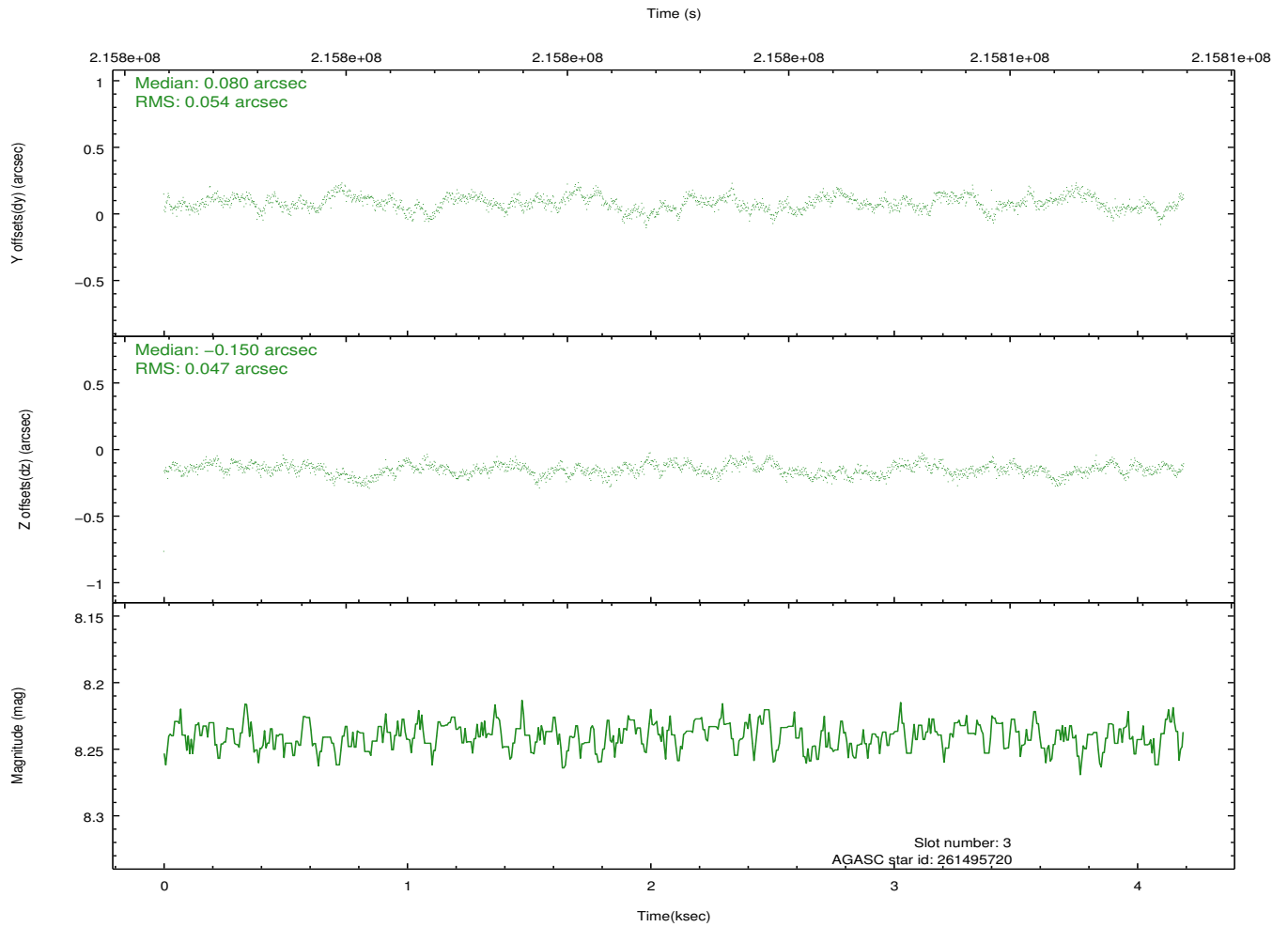
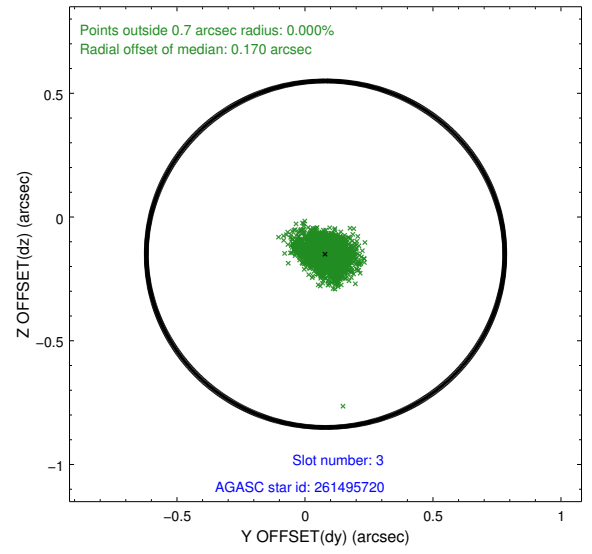
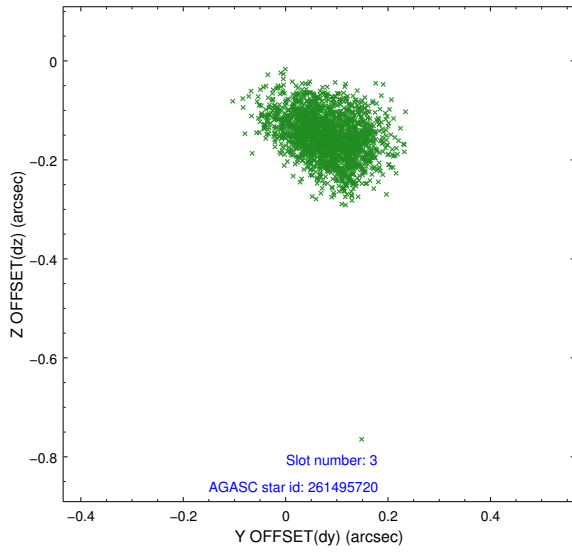


### Slot Statistics

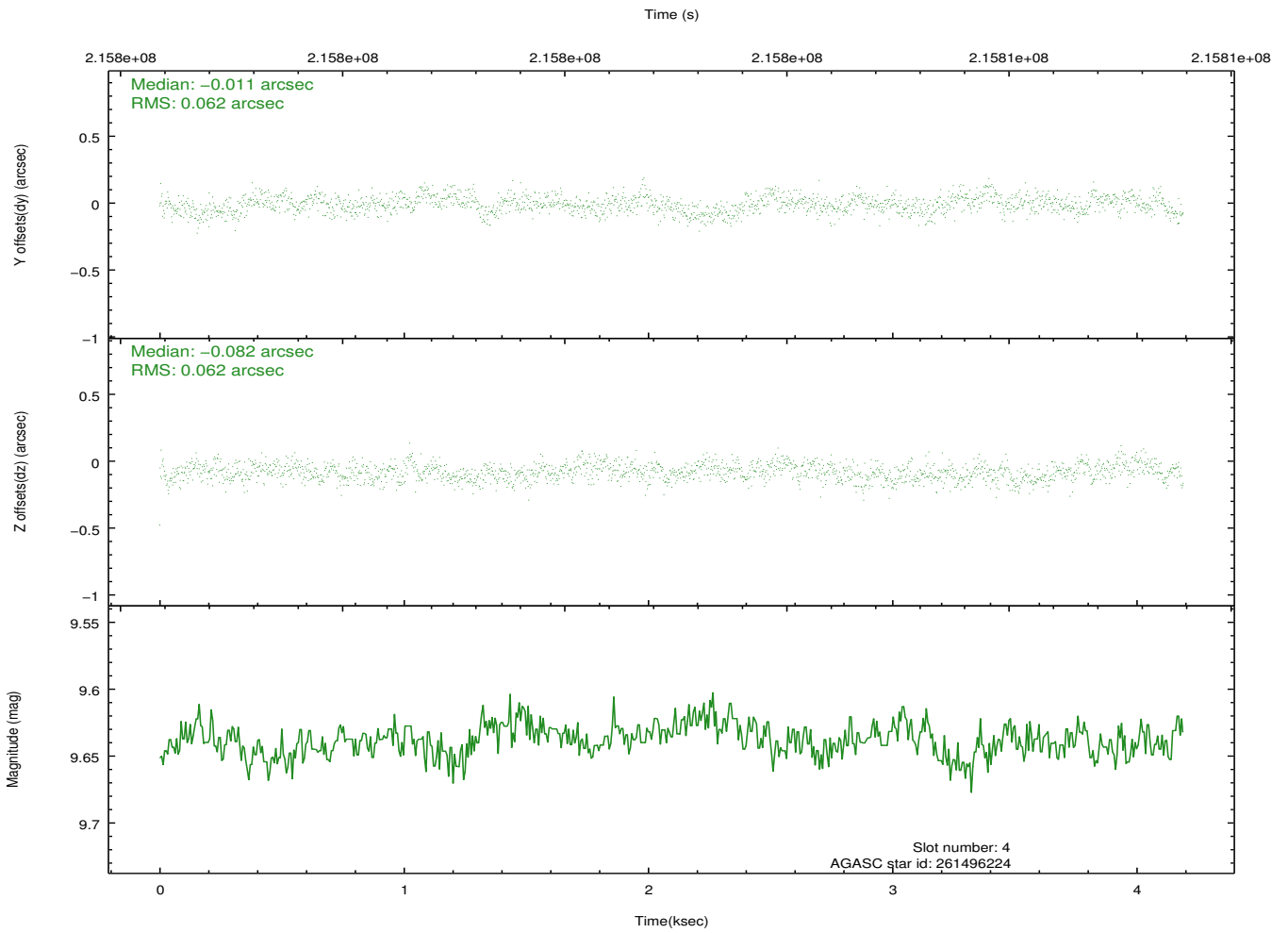
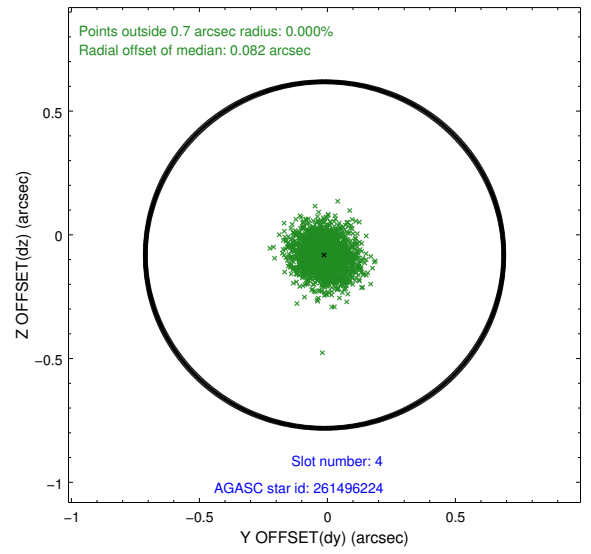
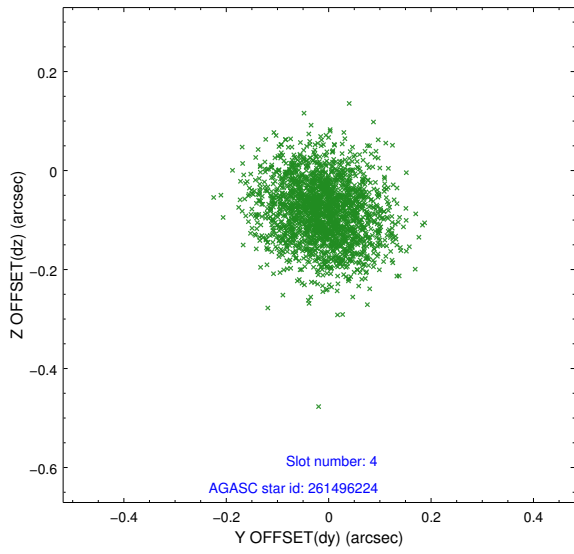
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1023	-0.016	-0.023	0.007	0.011	0.000000	0.000000	-760.50	-1733.28
1	FID	ACIS-S-4	7.20	1022	0.073	0.014	0.006	0.010	0.000000	0.000000	2152.19	173.71
2	FID	ACIS-S-5	7.23	1022	-0.088	0.018	0.007	0.013	0.000000	0.000000	-1811.51	169.06
3	GUIDE	261495720	8.24	2045	0.080	-0.150	0.076	0.124	193.308051	28.989913	-2282.85	374.19
4	GUIDE	261496224	9.64	2045	-0.011	-0.082	0.095	0.151	194.062266	29.627829	930.33	1114.92
5	GUIDE	261501416	9.66	2044	0.030	0.151	0.127	0.193	194.139933	29.140691	238.93	-513.78
6	GUIDE	261501976	9.56	2044	-0.131	0.089	0.088	0.148	194.423637	28.825940	424.07	-1945.61
7	GUIDE	331875064	9.90	2040	0.035	-0.001	0.118	0.193	194.224872	30.055855	2158.89	2174.65

## 2.4 Star Slots

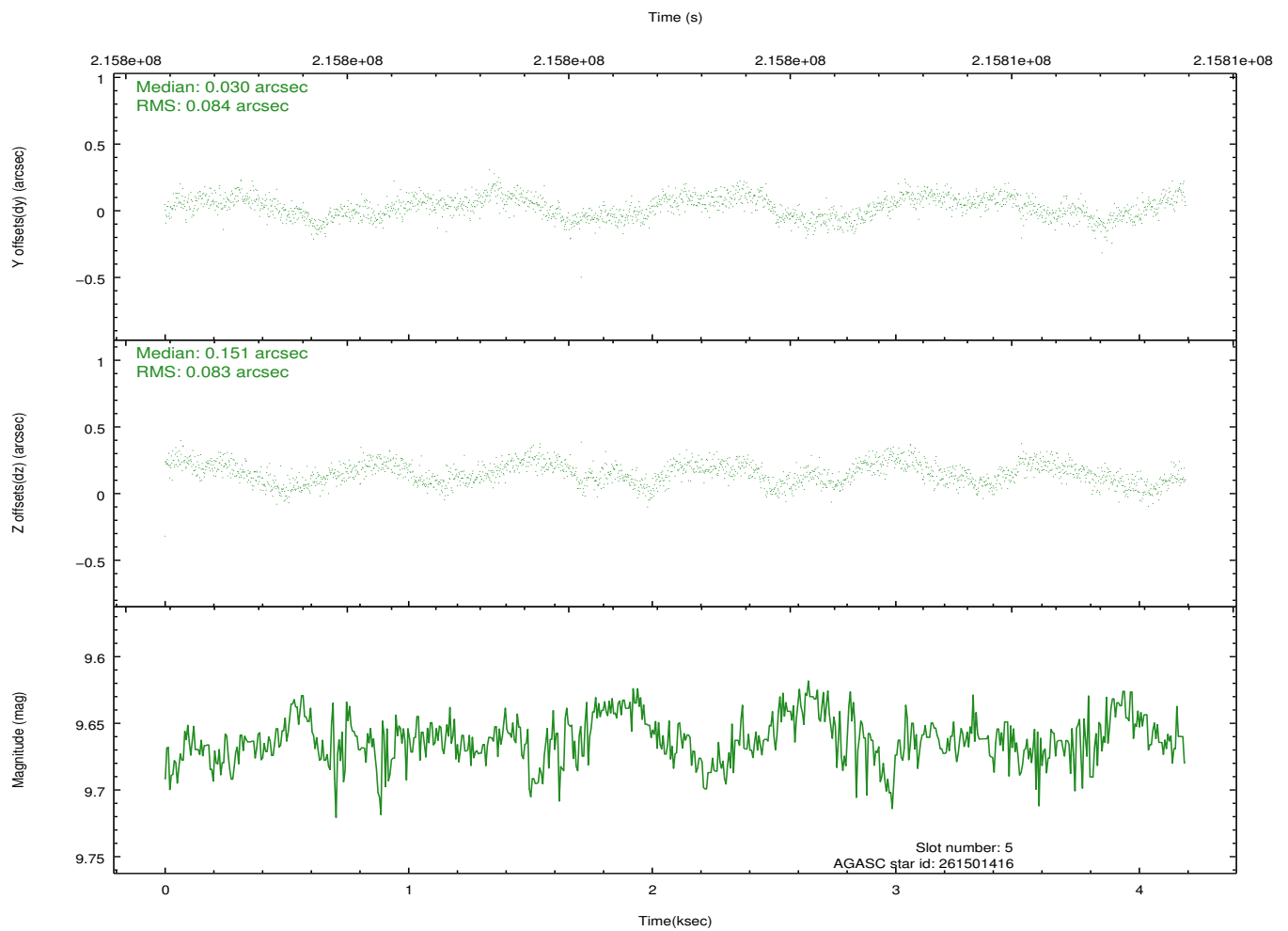
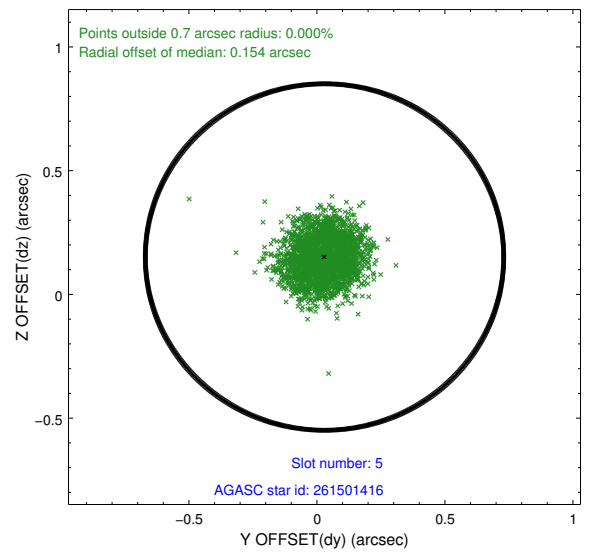
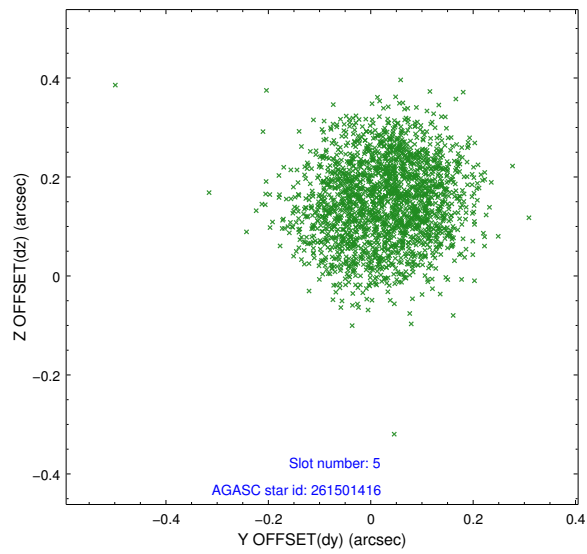
### 2.4.1 Slot 3



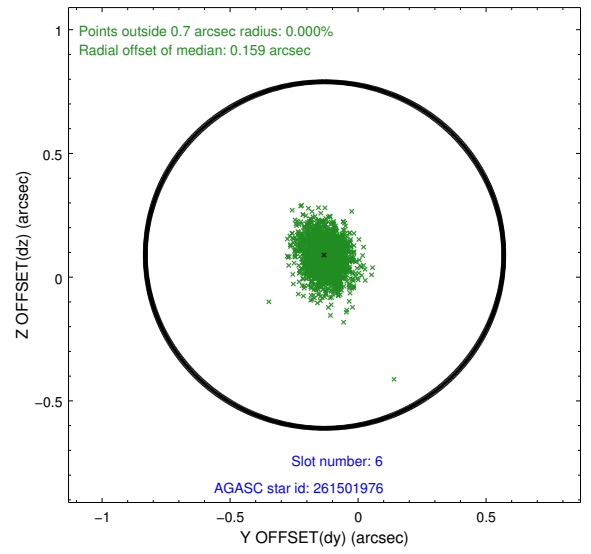
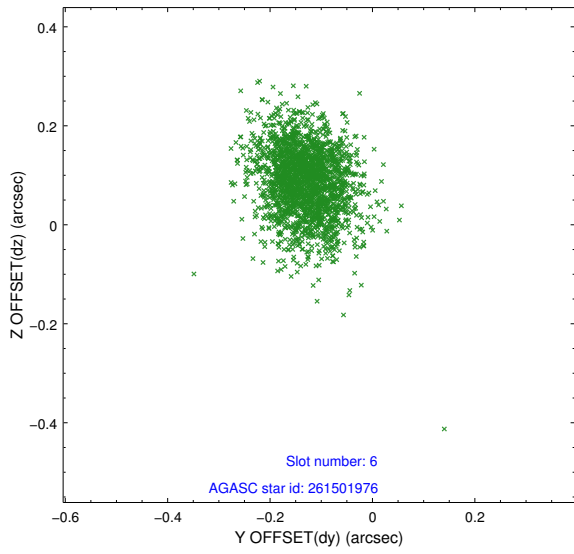
## 2.4.2 Slot 4



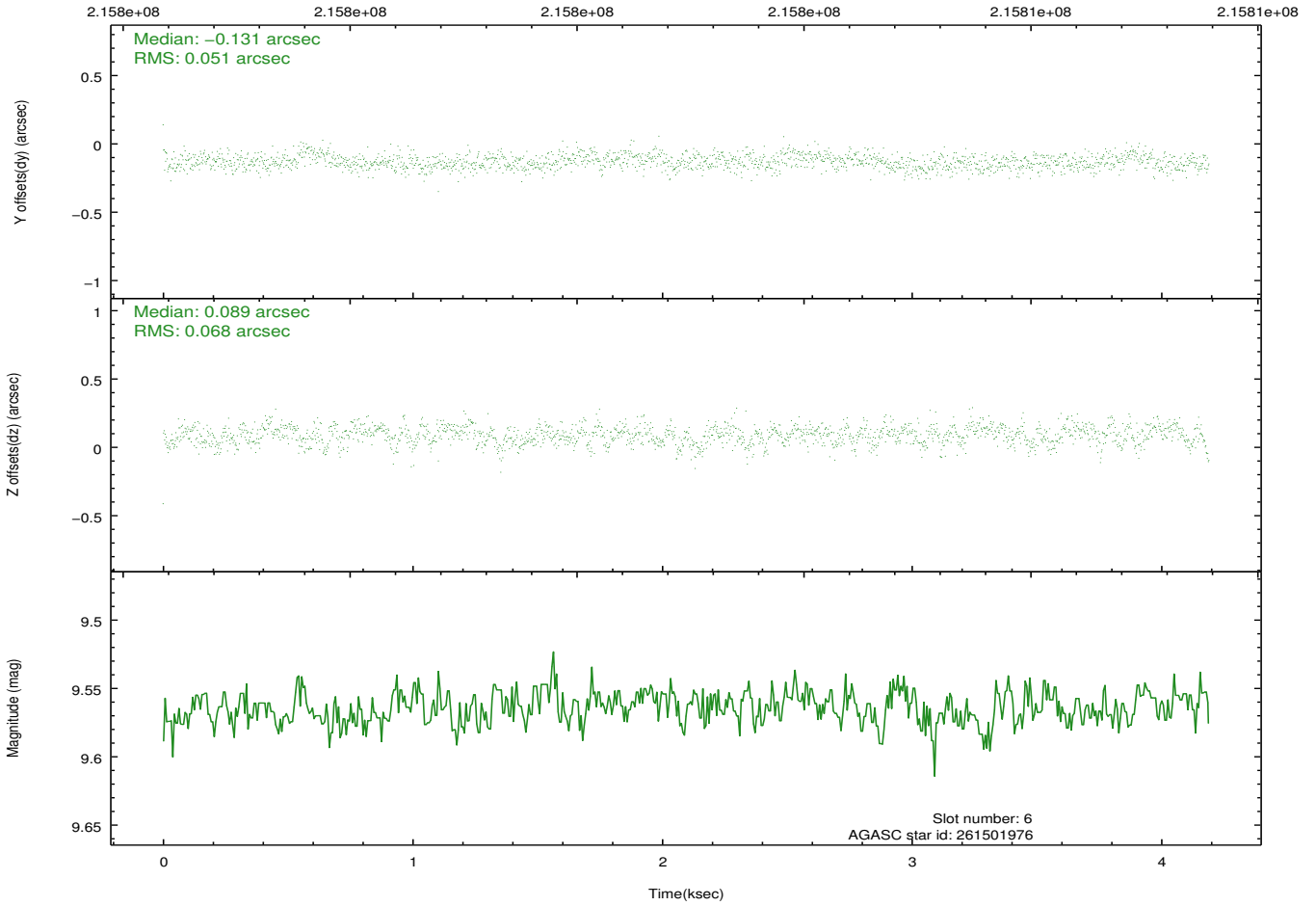
### 2.4.3 Slot 5



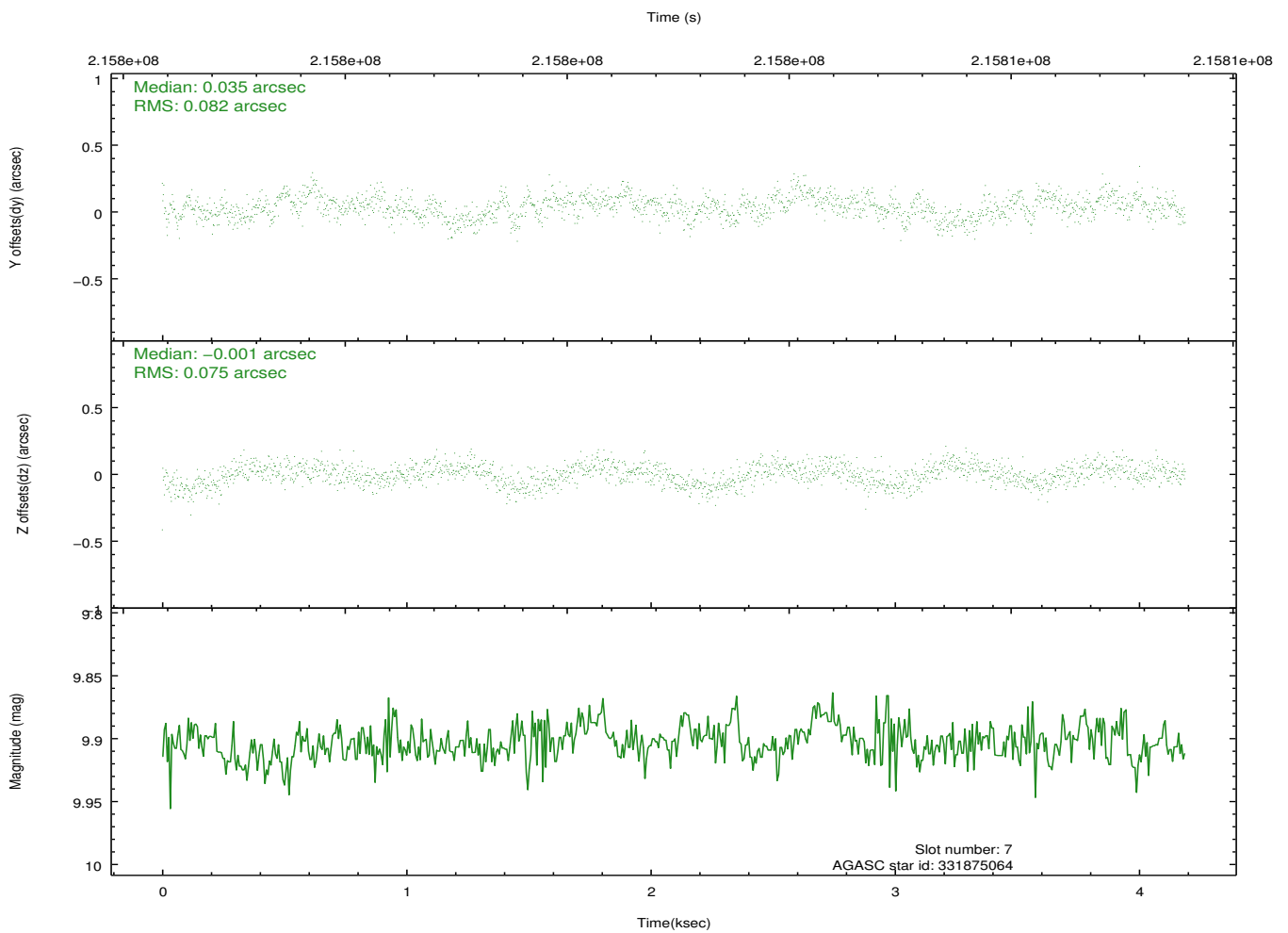
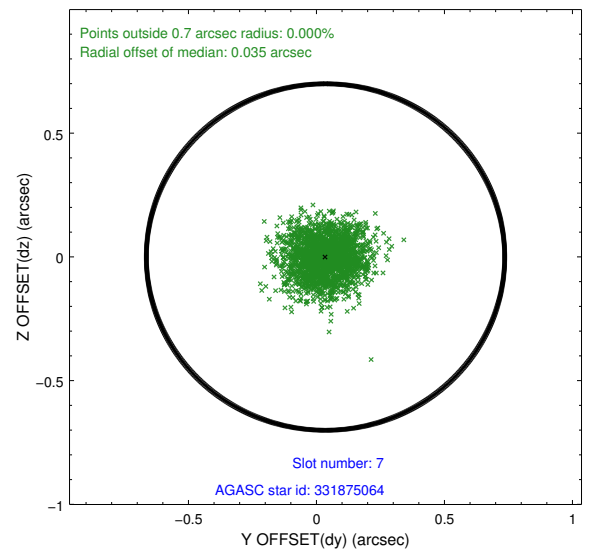
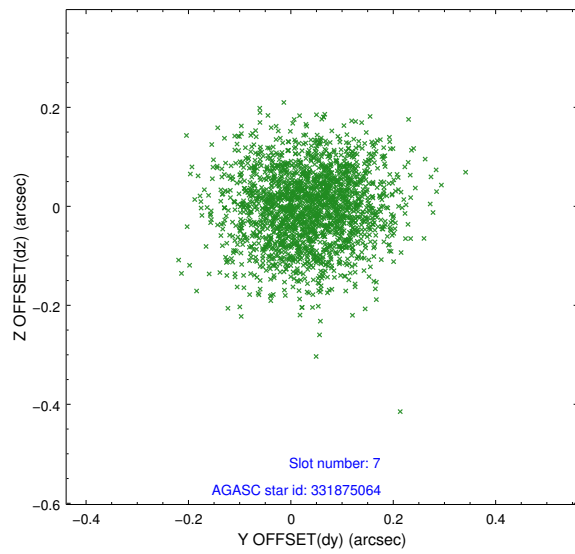
### 2.4.4 Slot 6



Time (s)

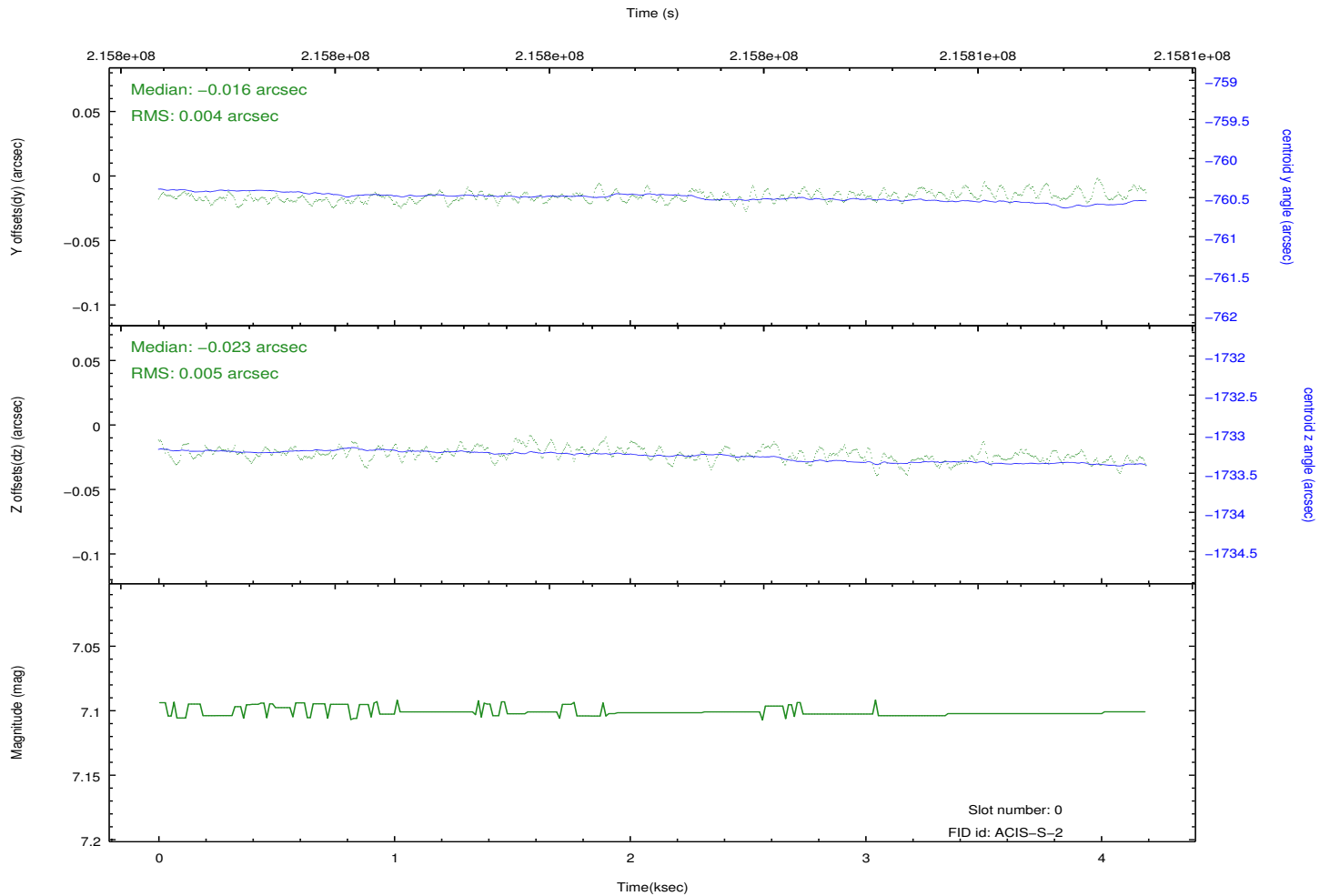
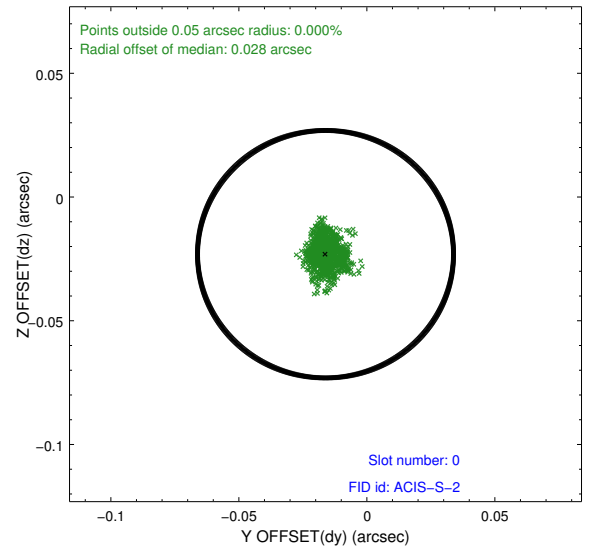
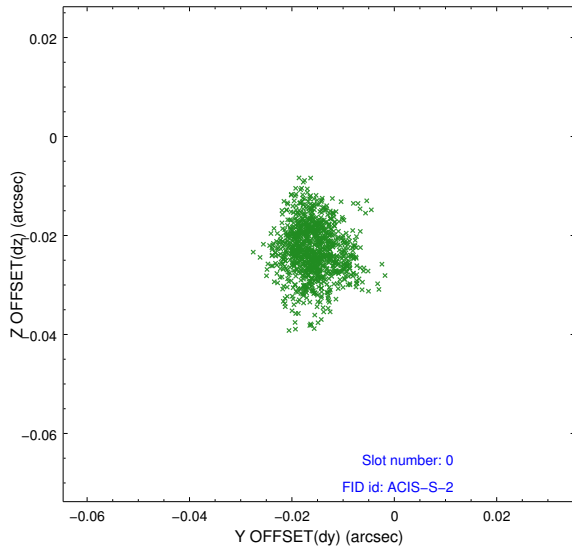


## 2.4.5 Slot 7

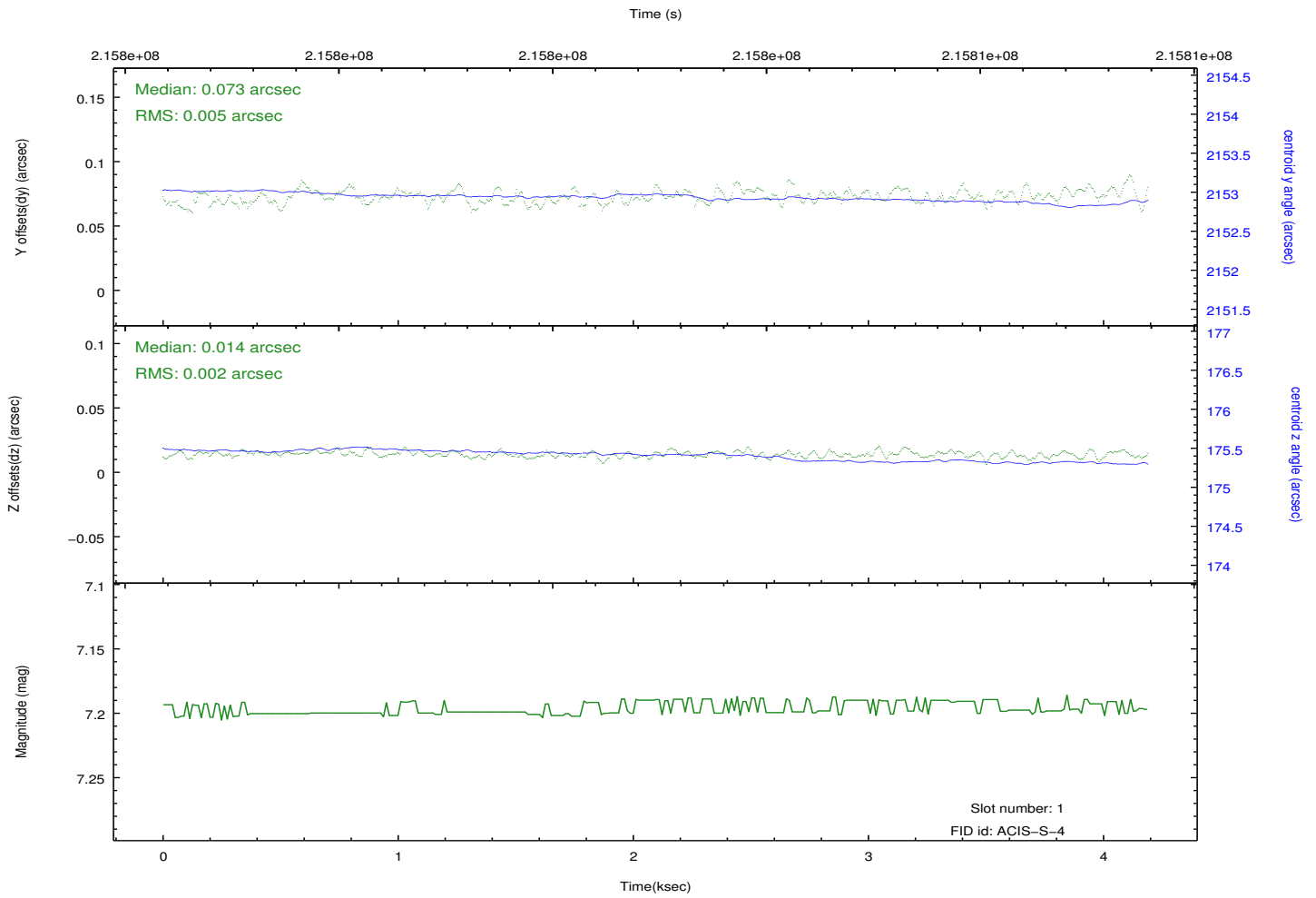
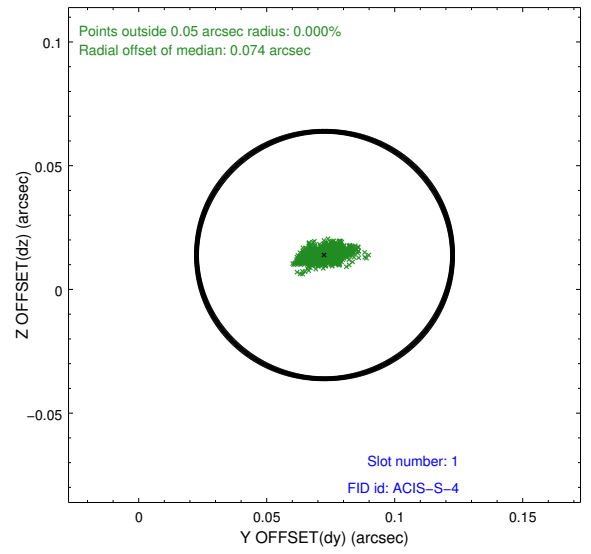
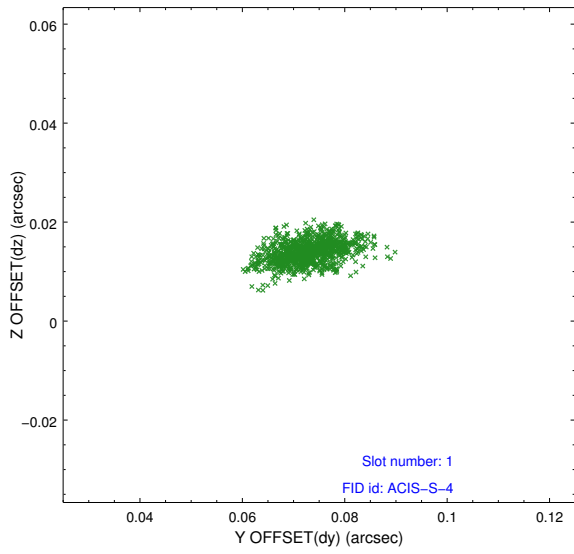


## 2.5 FID Slots

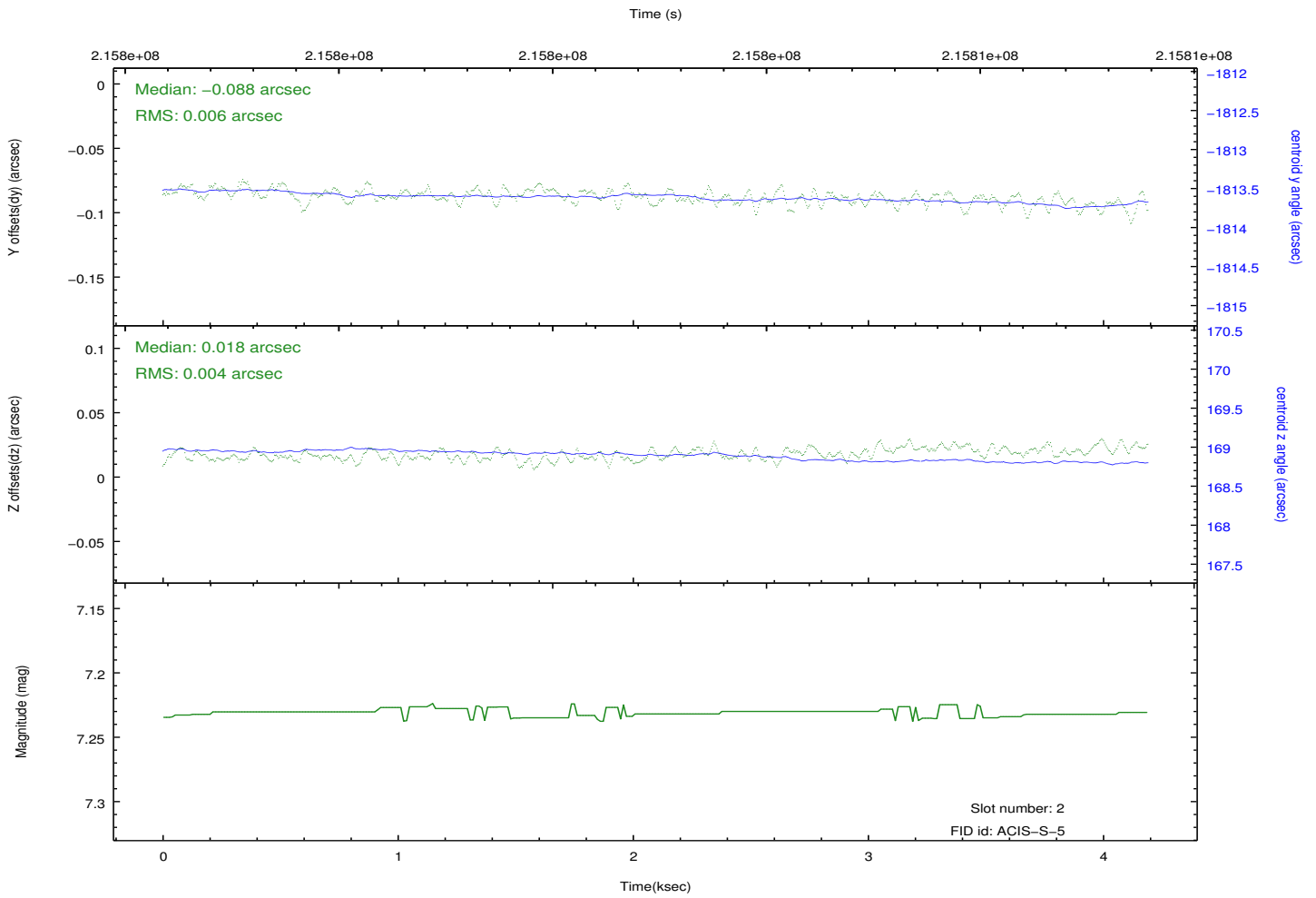
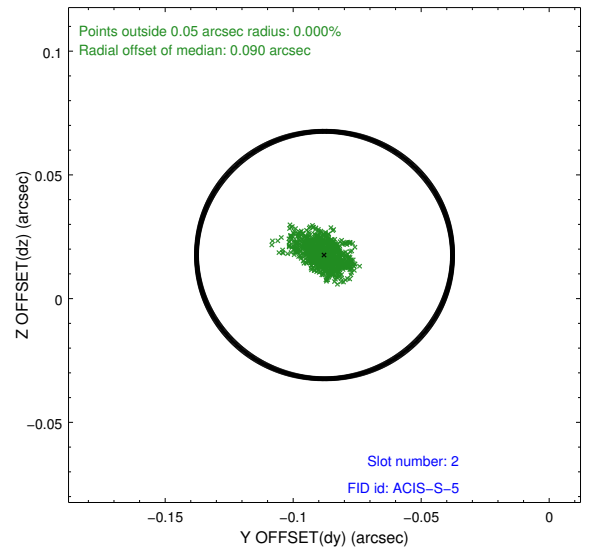
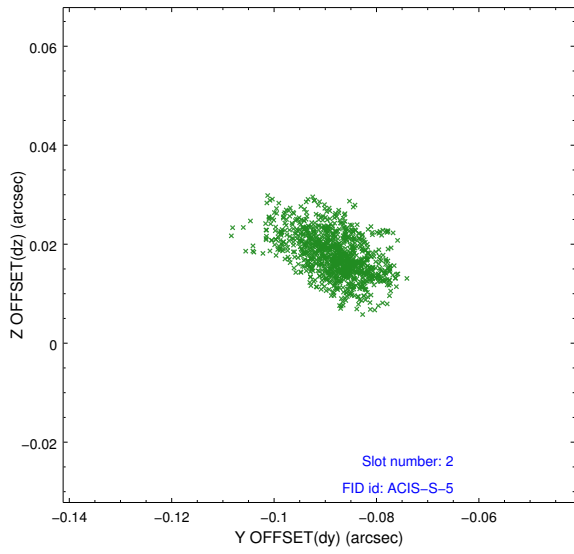
### 2.5.1 Slot 0



## 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)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.185

### A.2 Comments