

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4781 - L2 Version 3  
Chandra X-Ray Center

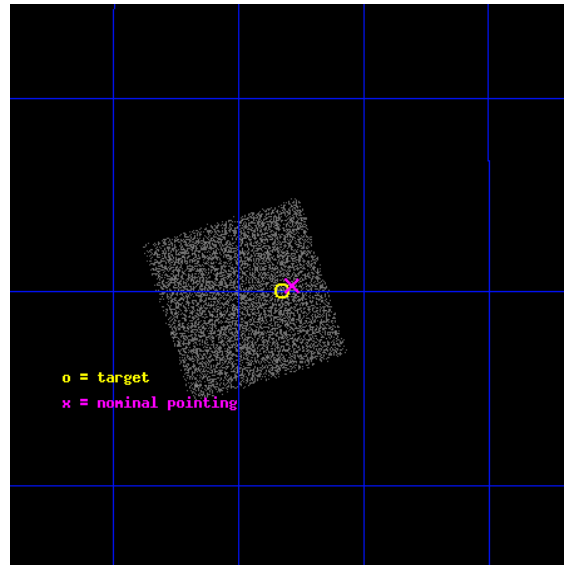
L2 Processing Date : Nov 30 2012

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# 1 Front

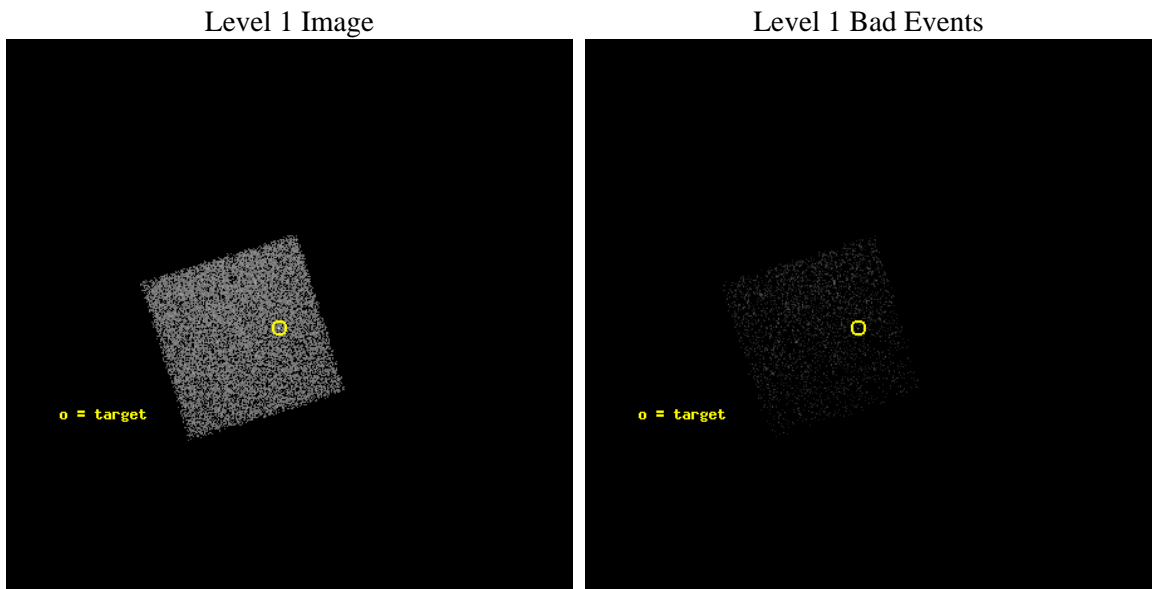
seq_num	700864	Sequence number
obs_id	4781	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1350-4593	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.582083	Observer's specified target RA [deg]
dec_targ	29.167556	Observer's specified target Dec [deg]
ra_nom	207.57193326035	Nominal RA [deg]
dec_nom	29.171975452175	Nominal Dec [deg]
roll_nom	162.58707748136	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2508.0	Sum of GTIs [s]
livetime	2474.1535790388	Livetime [s]
ontime7	2508.0	Sum of GTIs [s]
l2events	9669	Number of level 2 events



## 2 OBI

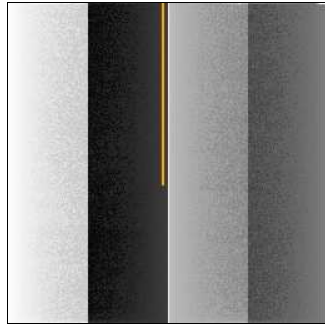
### 2.1 OBI

#### 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	2508.0	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	2508.0	Sum of GTIs [s]
date	2012-11-30T13:50:58	Date and time of file creation	l1events	24659	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

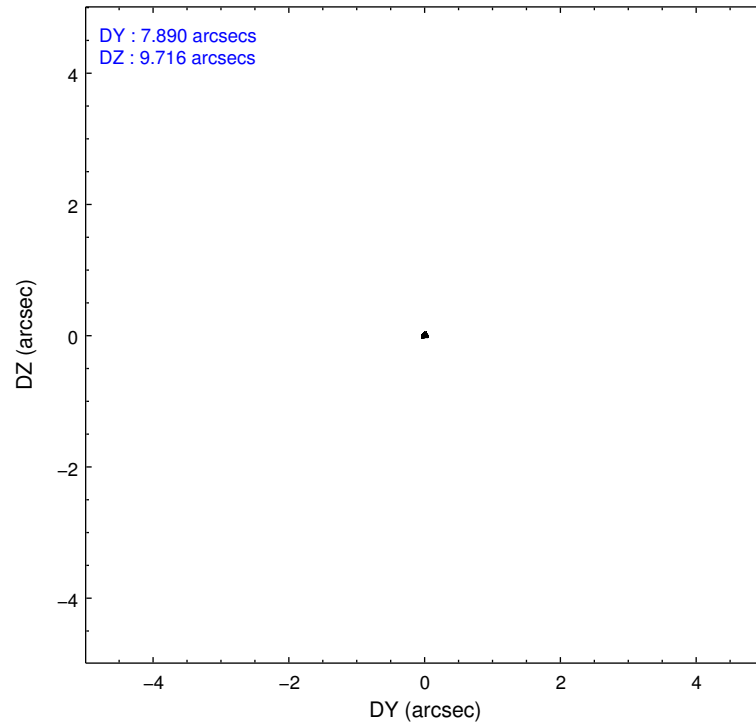
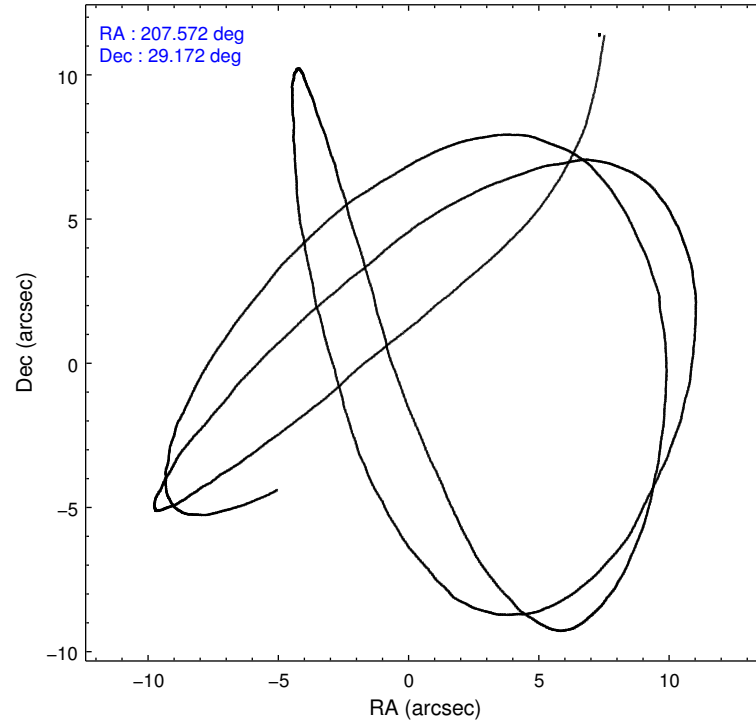
	<b>ccd 7</b>
level 1 events	24659
rejected events	14768
rejected %	59%

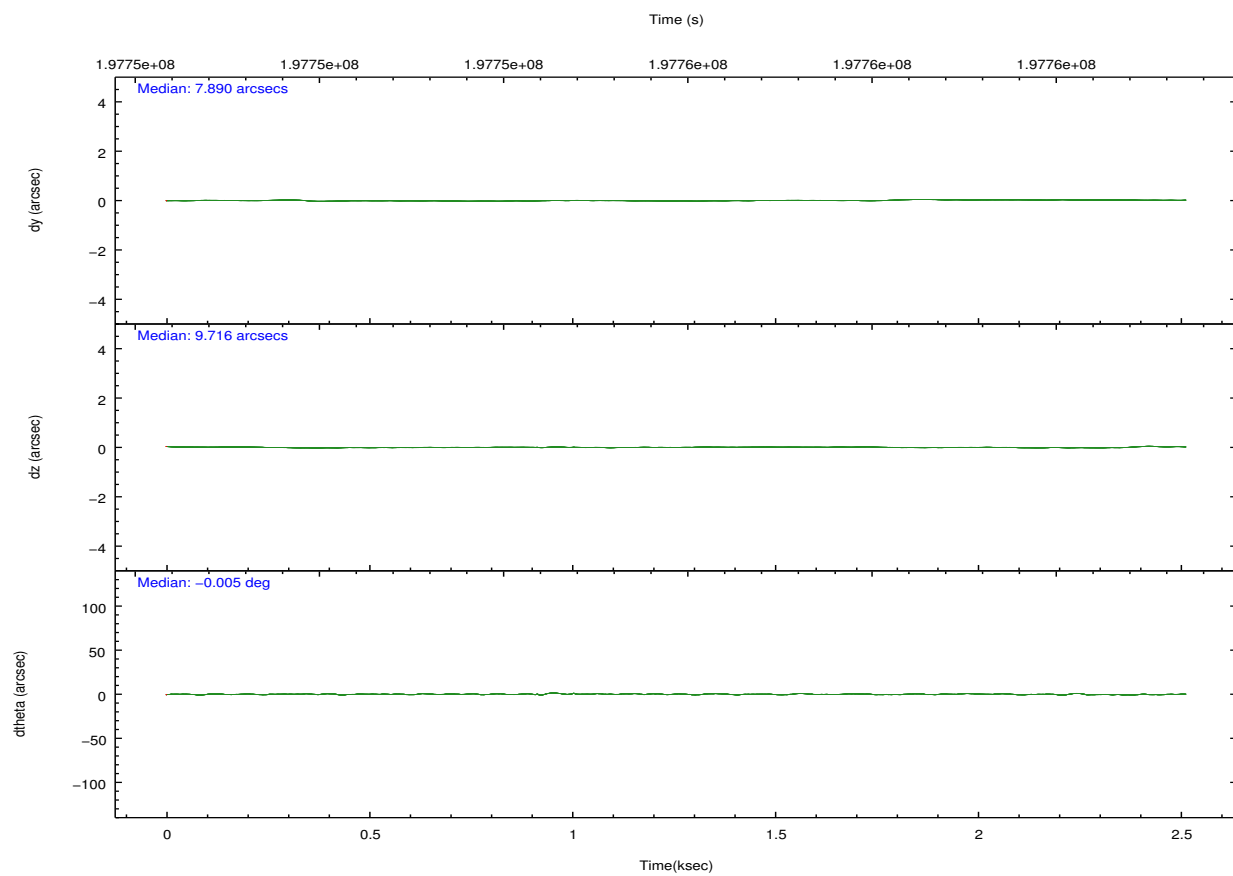
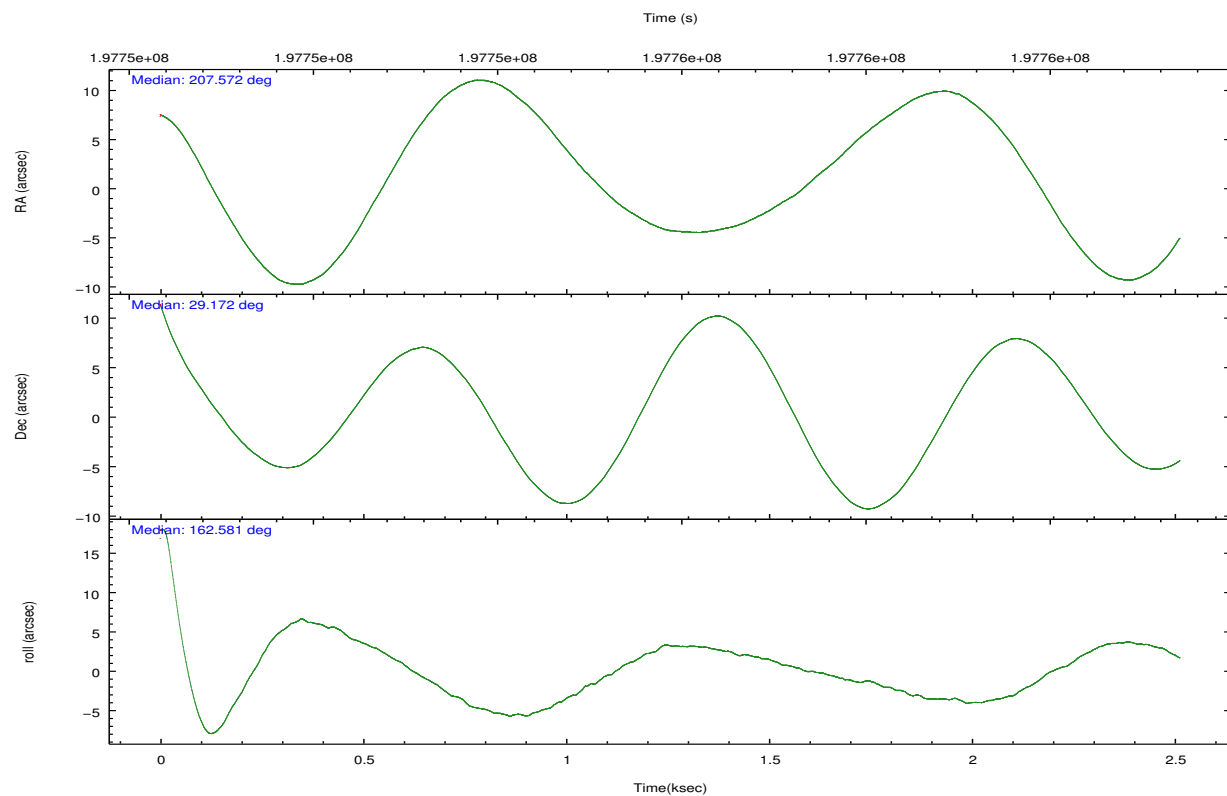
	<b>ccd 7</b>
grade 0 events	1043
	4%
grade 1 events	26
	0%
grade 2 events	2085
	8%
grade 3 events	981
	3%
grade 4 events	887
	3%
grade 5 events	2380
	9%
grade 6 events	5454
	22%
grade 7 events	11803
	47%

## 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	207.602602	207.571933260347	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.178311	29.17197545217538	Alternating exposures requested	N	N
[deg] Pointing Roll	162.415337	162.5870774813608	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	197754223.184000	197753100.18023			
Observation start date	2004-04-07T19:42:39	2004-04-07T19:25:00			
[s] Observation end time (MET)	197756223.184000	197757670.14293			
Observation end date	2004-04-07T20:15:59	2004-04-07T20:41:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect





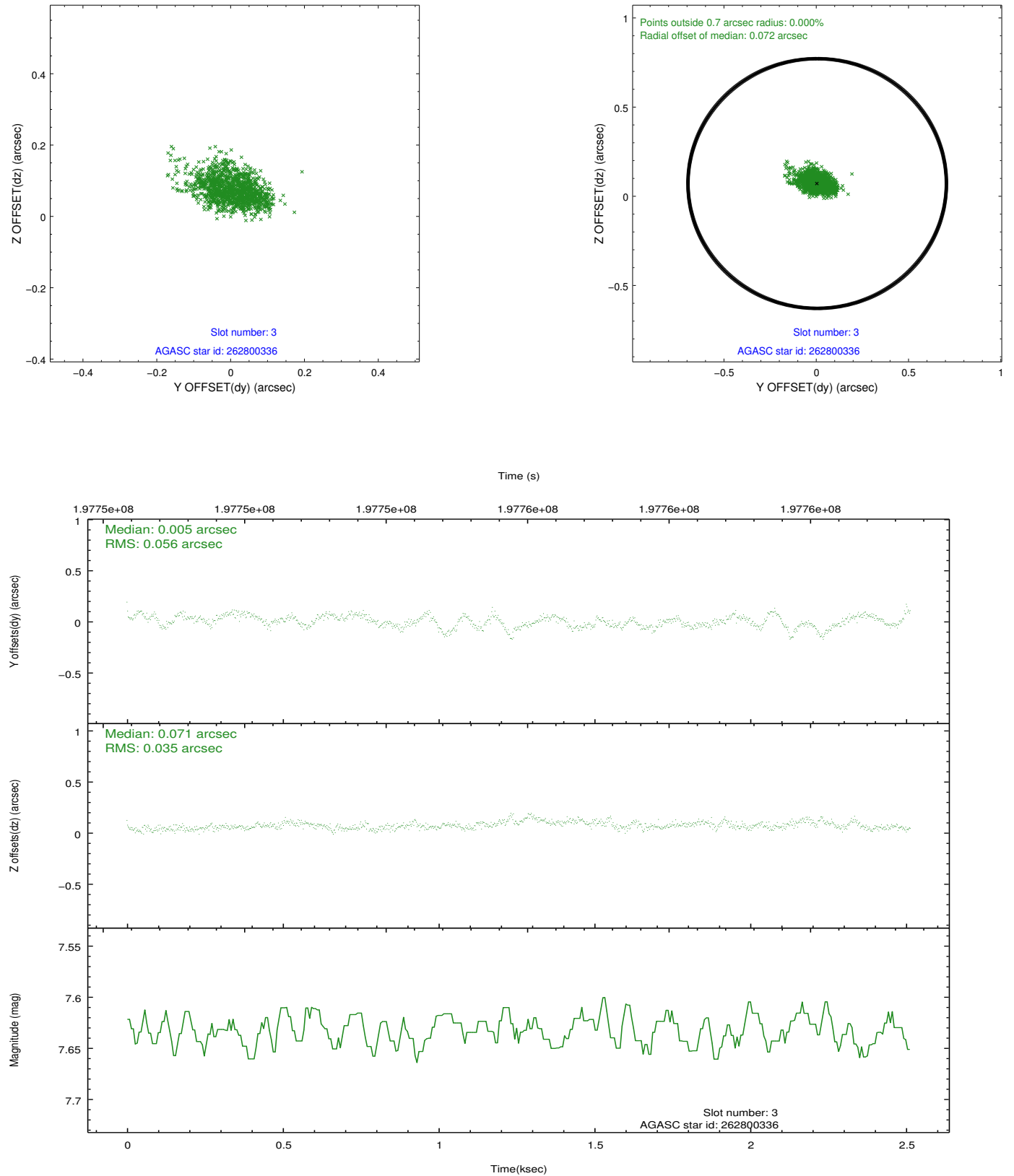
### Slot Statistics

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	614	-0.036	-0.033	0.007	0.012	0.000000	0.000000	-760.67	-1730.95
1	FID	ACIS-S-4	7.21	614	0.102	0.026	0.006	0.011	0.000000	0.000000	2151.54	174.99
2	FID	ACIS-S-5	7.24	614	-0.097	0.016	0.007	0.012	0.000000	0.000000	-1810.31	171.50
3	GUIDE	262800336	7.63	1227	0.005	0.071	0.068	0.111	207.134957	29.861227	2135.19	-1905.27
4	GUIDE	262803544	9.73	1226	-0.065	0.092	0.113	0.185	208.056156	29.109679	-1432.45	-199.89
5	GUIDE	262805336	8.82	1227	0.035	0.115	0.068	0.105	207.518475	29.280395	361.43	-270.92
6	GUIDE	262806832	9.84	1224	0.037	-0.181	0.093	0.156	207.510511	29.165031	261.64	132.31
7	GUIDE	262807640	9.75	1225	-0.005	-0.102	0.126	0.211	207.482438	29.079812	253.00	452.04

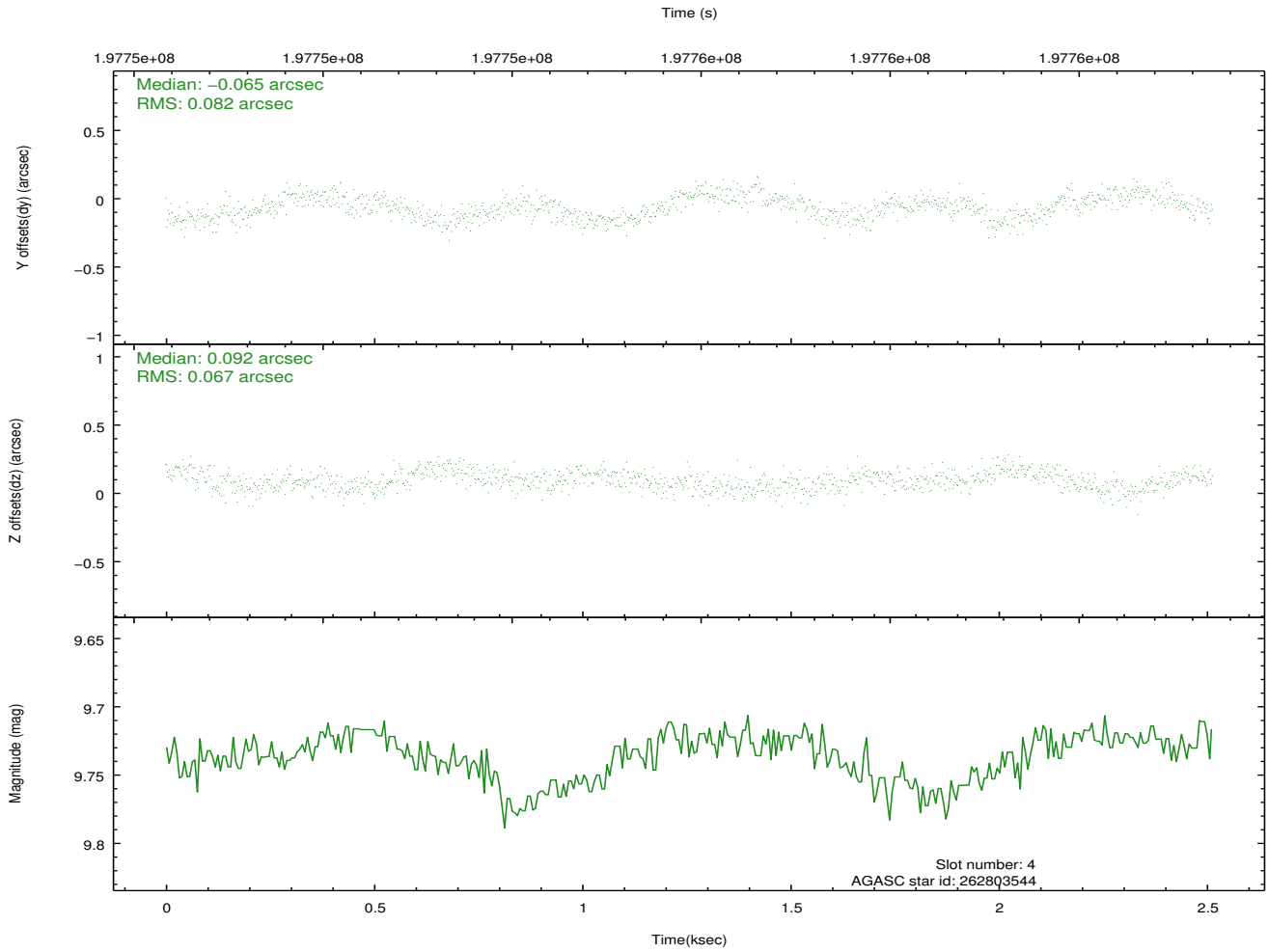
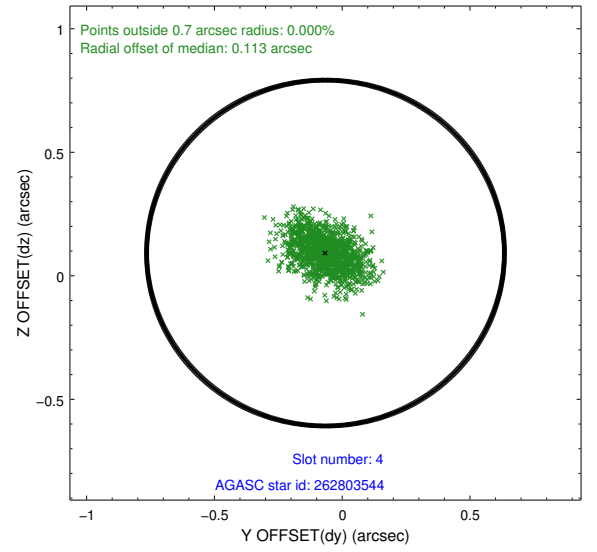
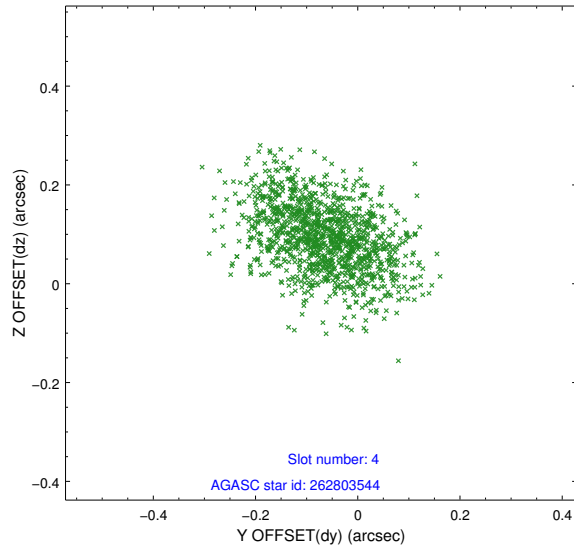


## 2.4 Star Slots

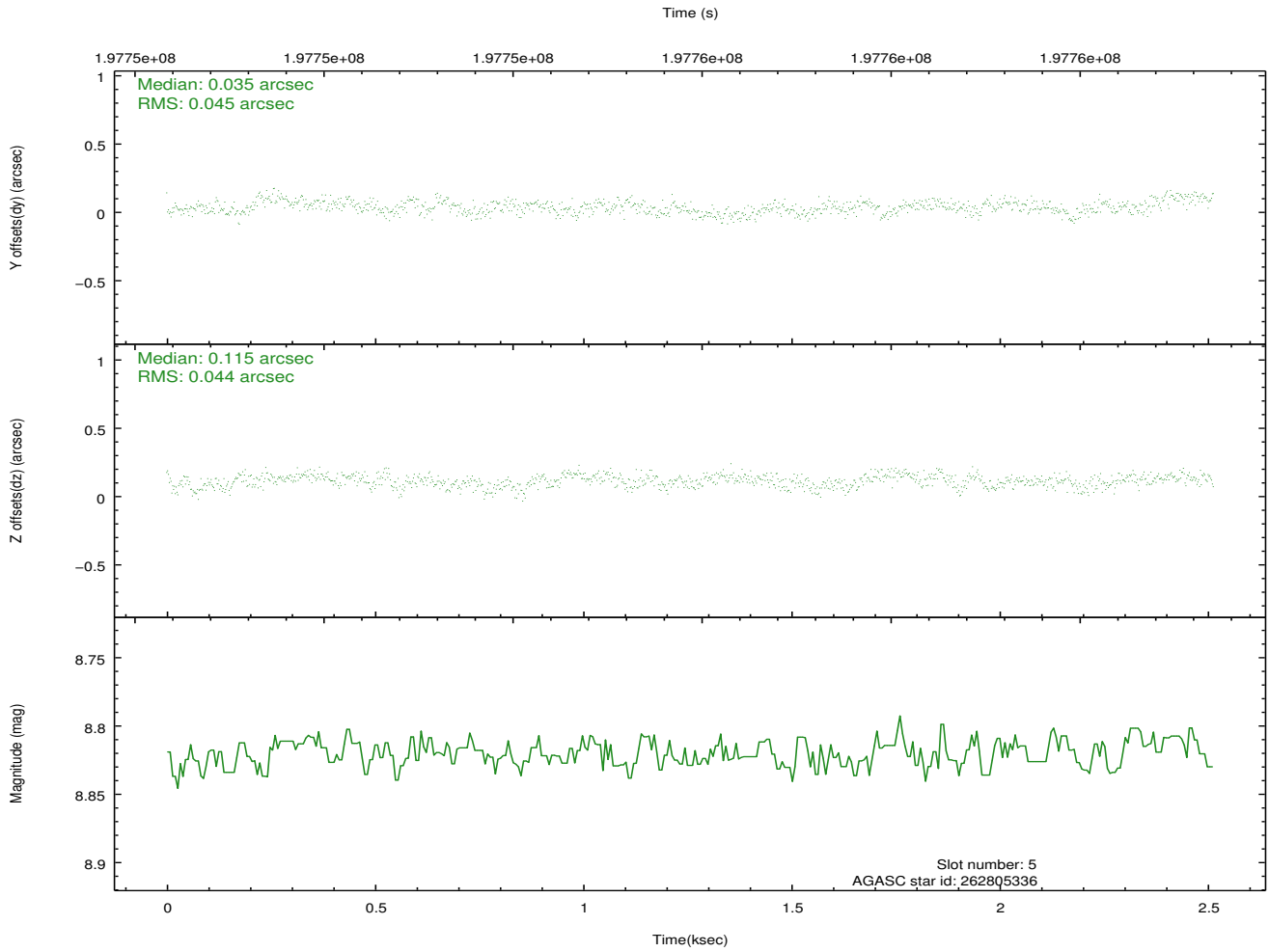
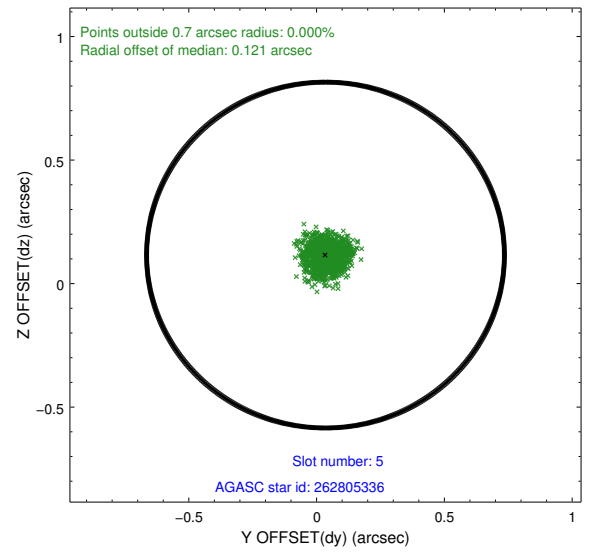
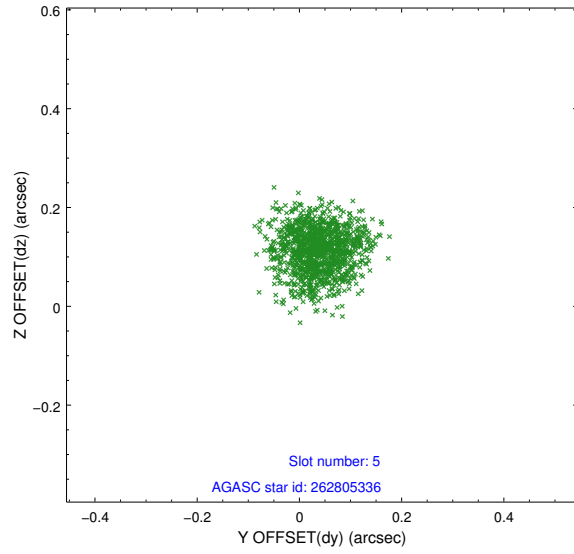
### 2.4.1 Slot 3



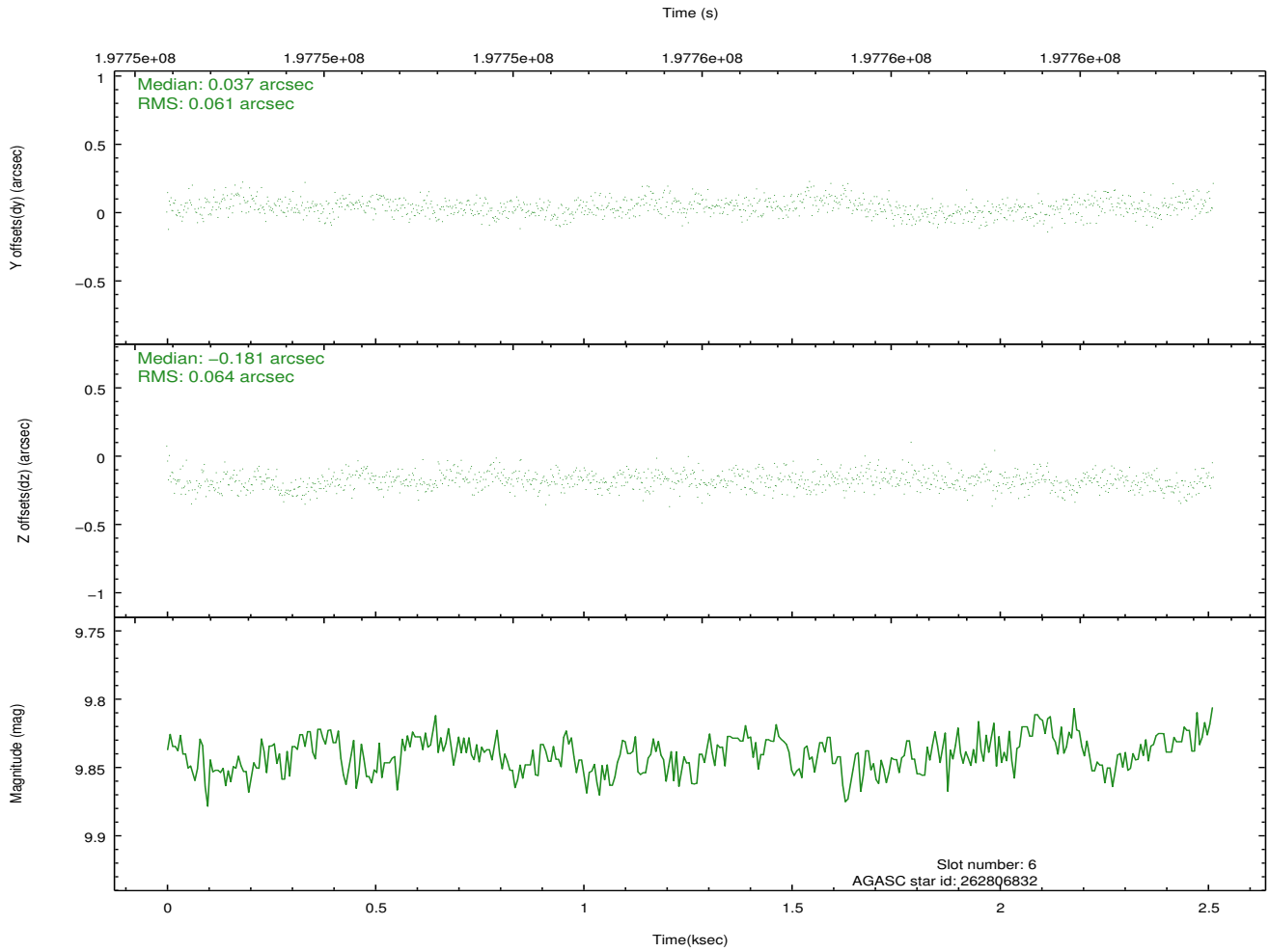
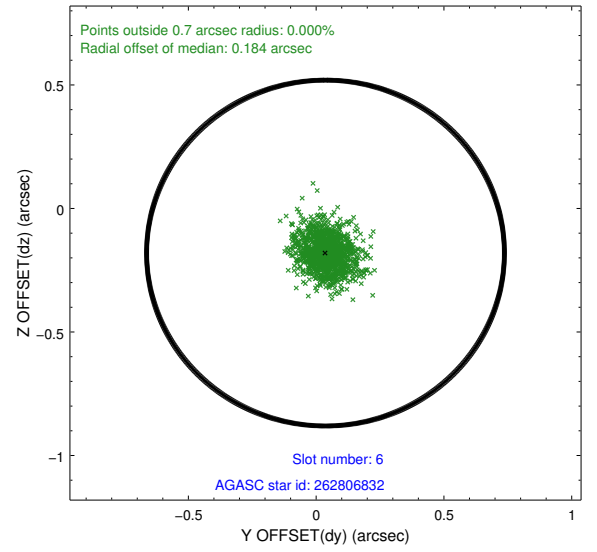
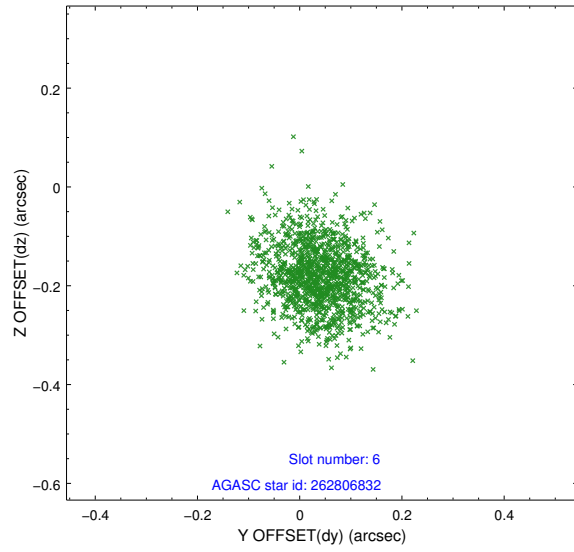
## 2.4.2 Slot 4



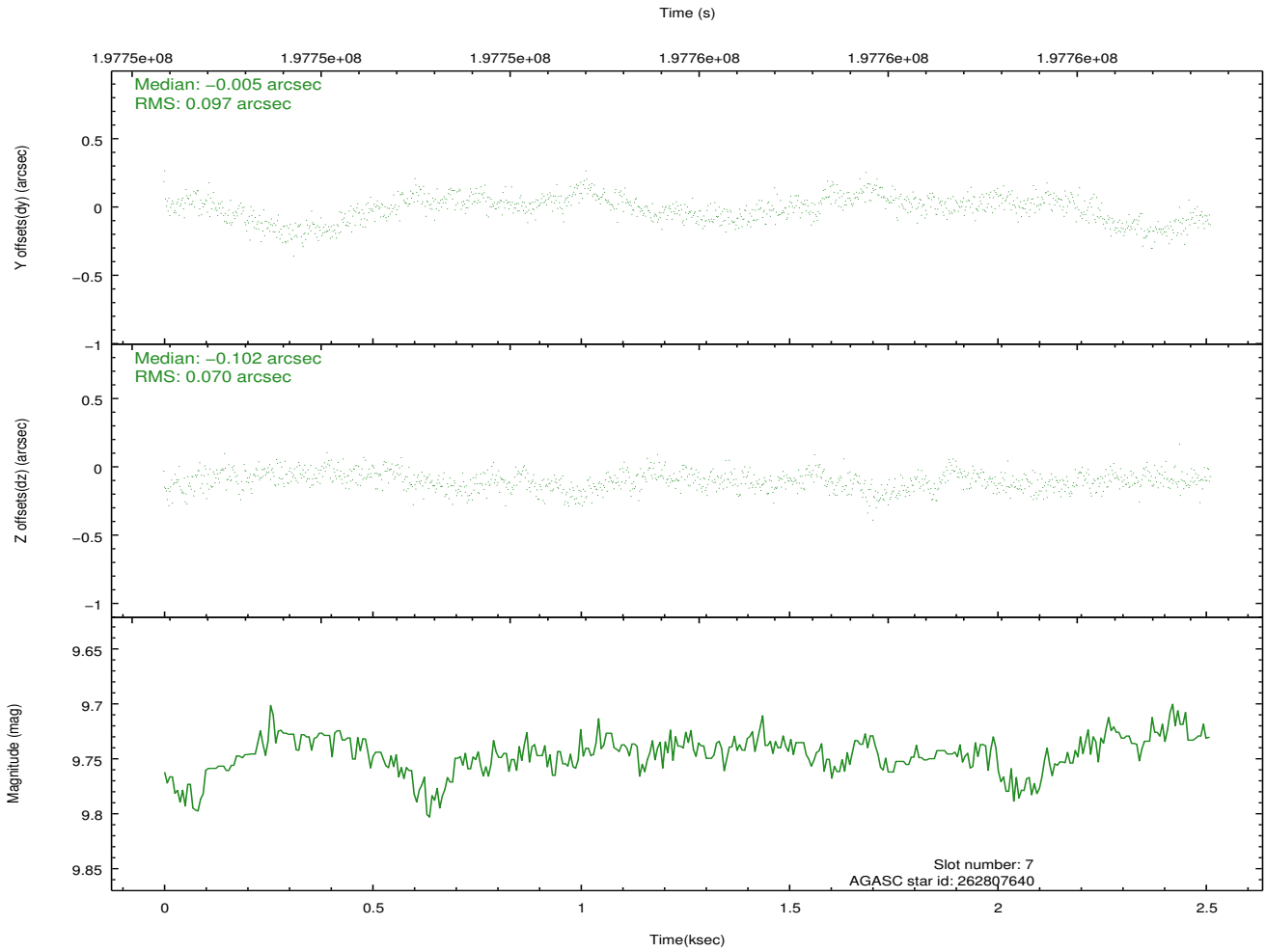
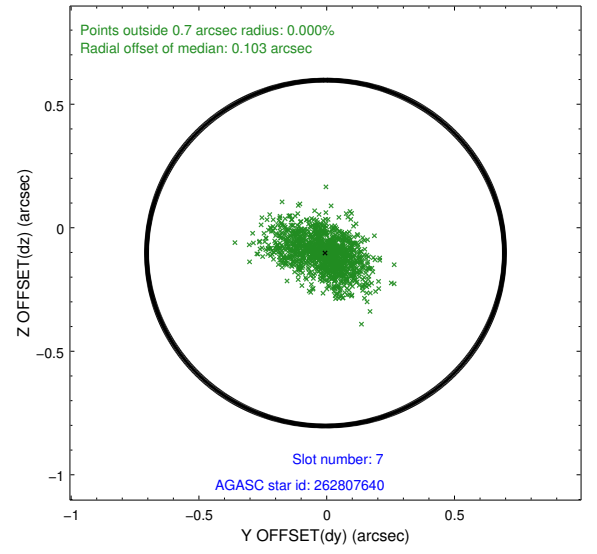
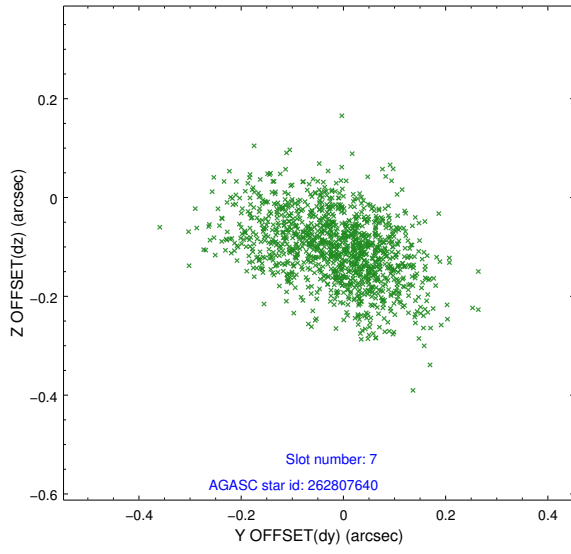
### 2.4.3 Slot 5



## 2.4.4 Slot 6

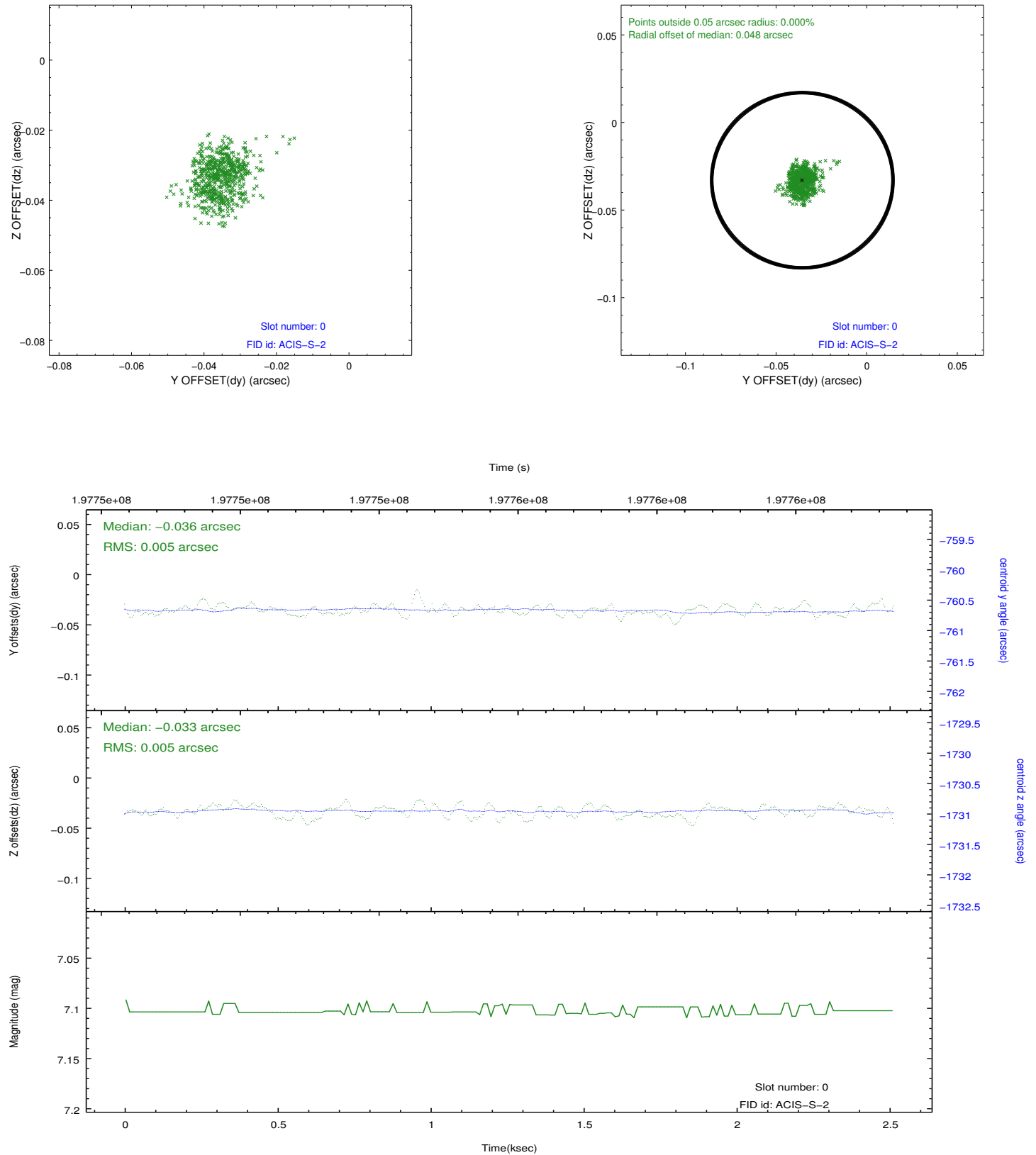


## 2.4.5 Slot 7

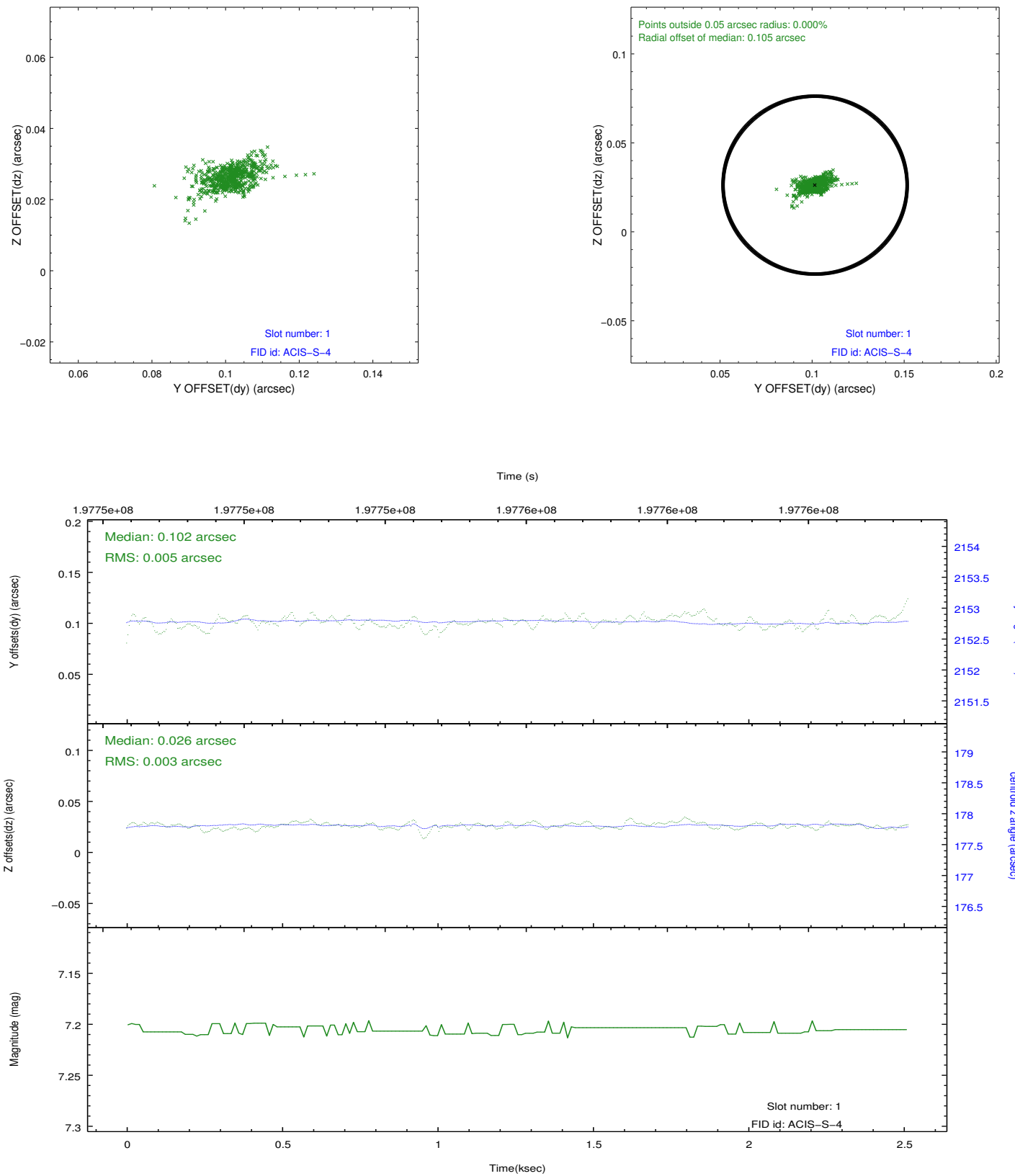


## 2.5 FID Slots

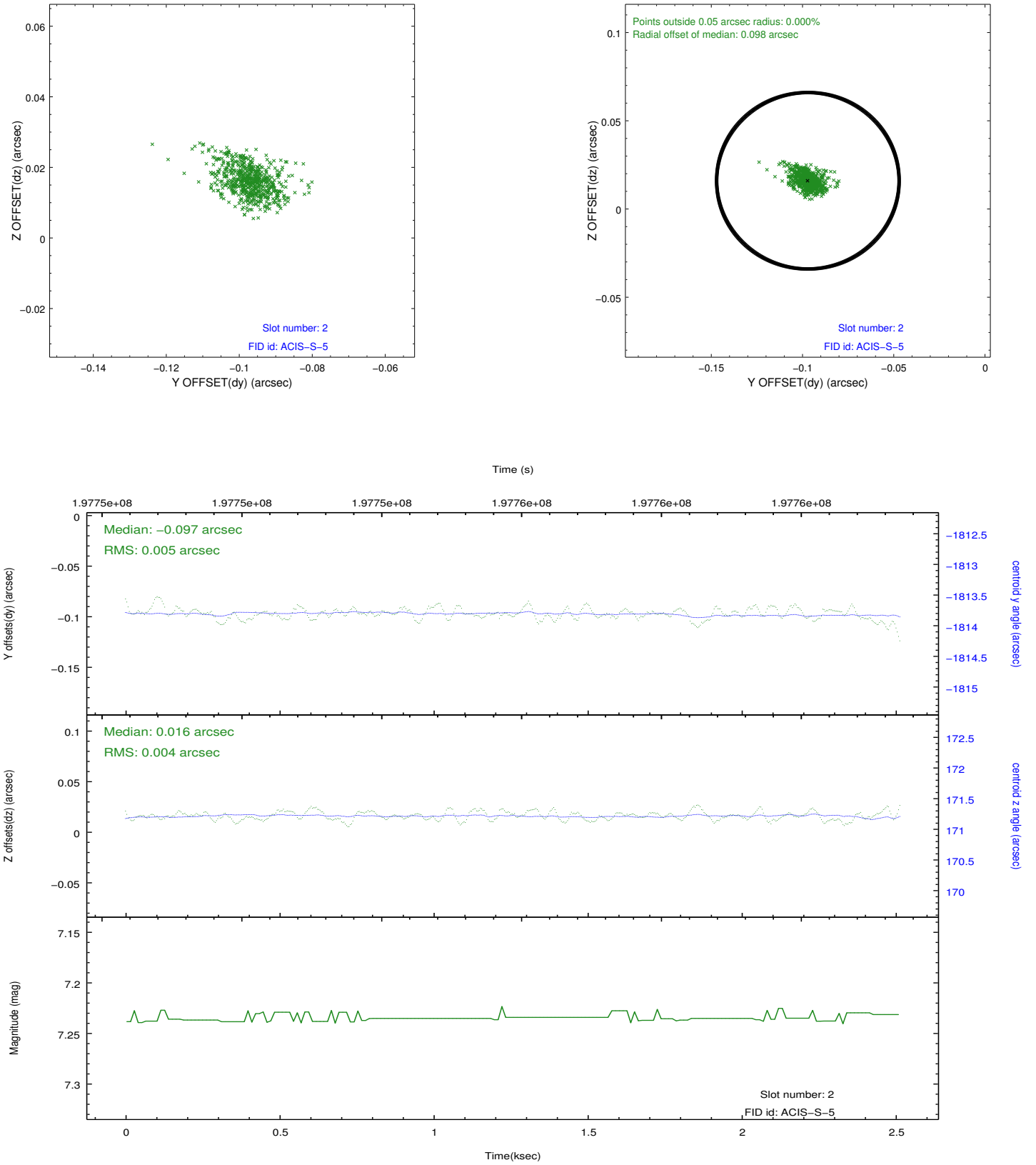
### 2.5.1 Slot 0



## 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)	2012.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.508

### A.2 Comments