

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4791 - L2 Version 4  
Chandra X-Ray Center

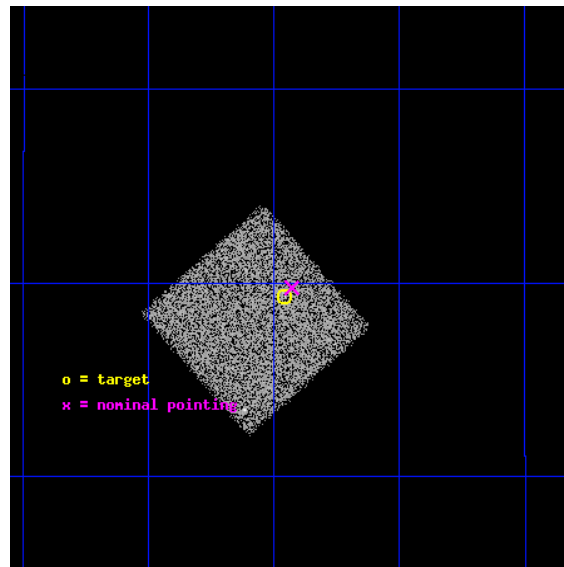
L2 Processing Date : Nov 30 2012

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# 1 Front

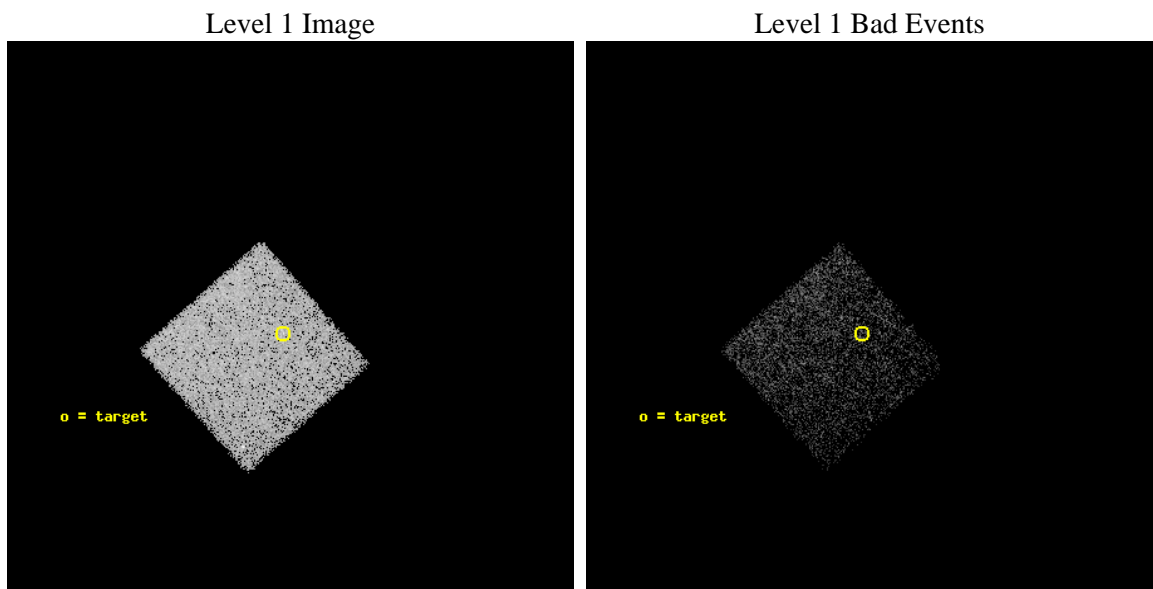
seq_num	700874	Sequence number
obs_id	4791	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1520-3904	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	230.489167	Observer's specified target RA [deg]
dec_targ	28.988306	Observer's specified target Dec [deg]
ra_nom	230.48223751001	Nominal RA [deg]
dec_nom	28.995961731968	Nominal Dec [deg]
roll_nom	138.42198912048	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4640.835680753	Sum of GTIs [s]
livetime	4578.2058250661	Livetime [s]
ontime7	4640.835680753	Sum of GTIs [s]
l2events	19342	Number of level 2 events



## 2 OBI

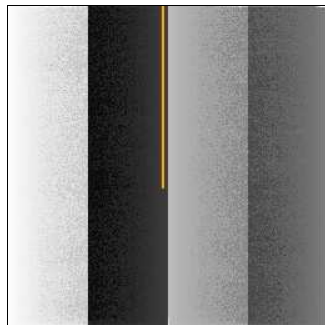
### 2.1 OBI

#### 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	8.4.5	Processing system revision	ontime	4640.835680753	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	4640.835680753	Sum of GTIs [s]
date	2012-11-30T13:56:09	Date and time of file creation	l1events	45817	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	45817
rejected events	25989
rejected %	56%

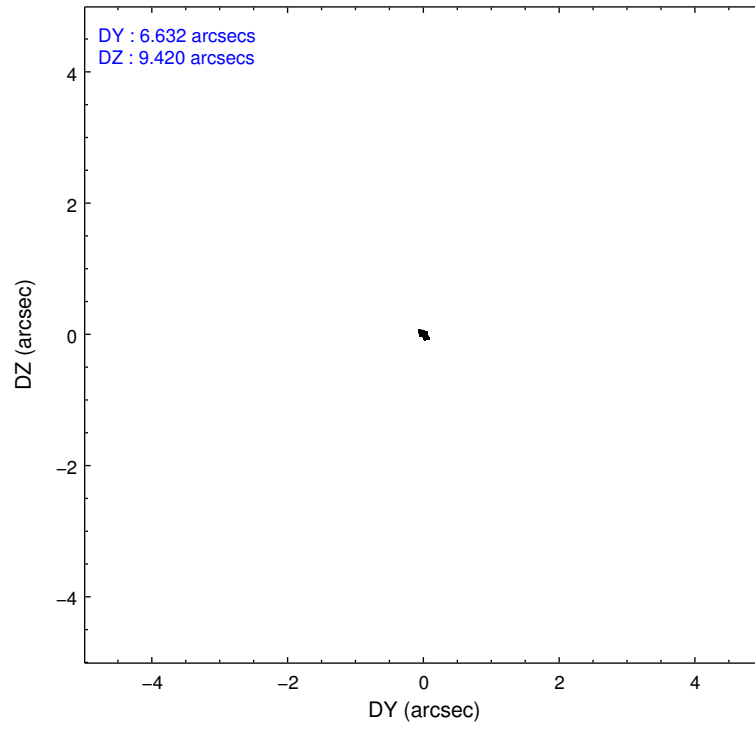
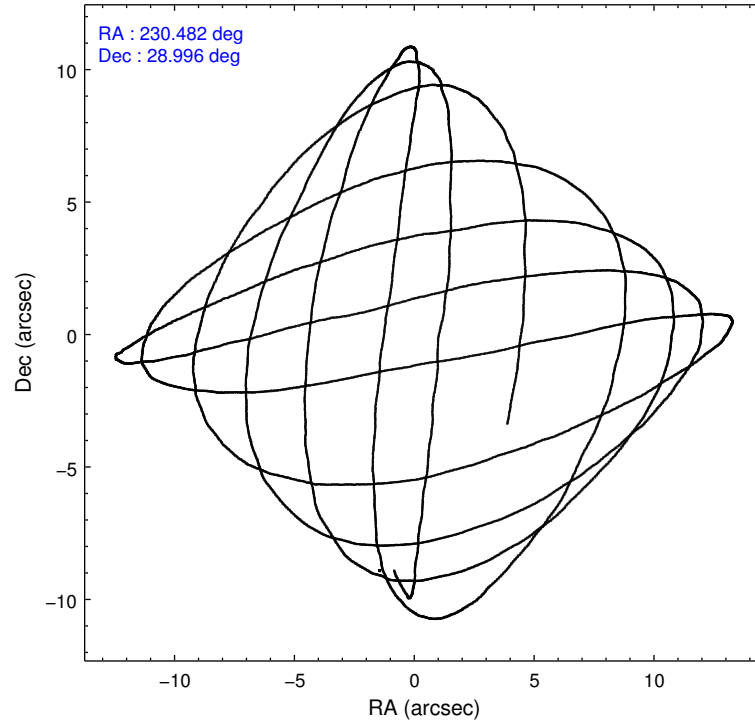
	<b>ccd 7</b>
grade 0 events	2028
	4%
grade 1 events	70
	0%
grade 2 events	4264
	9%
grade 3 events	1919
	4%
grade 4 events	1825
	3%
grade 5 events	4296
	9%
grade 6 events	9817
	21%
grade 7 events	21598
	47%

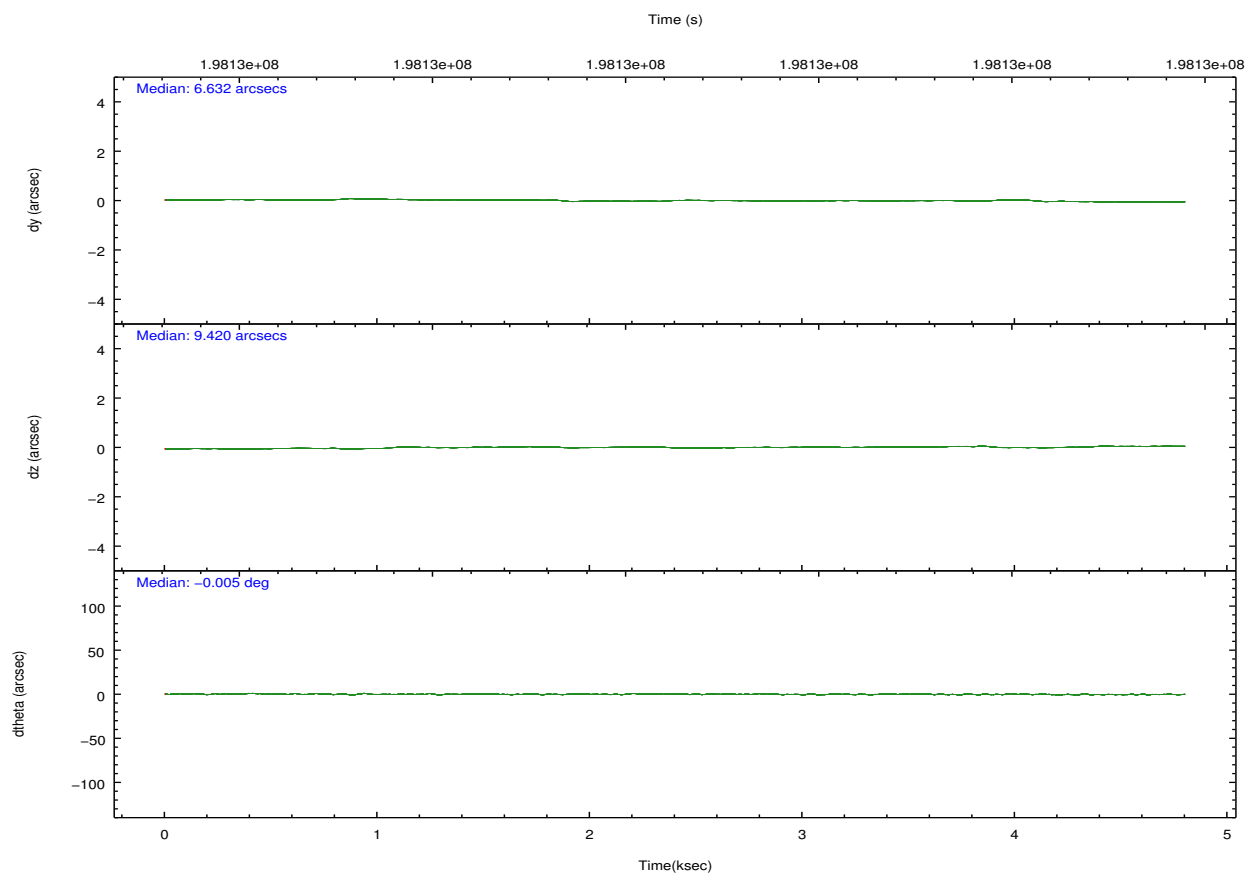
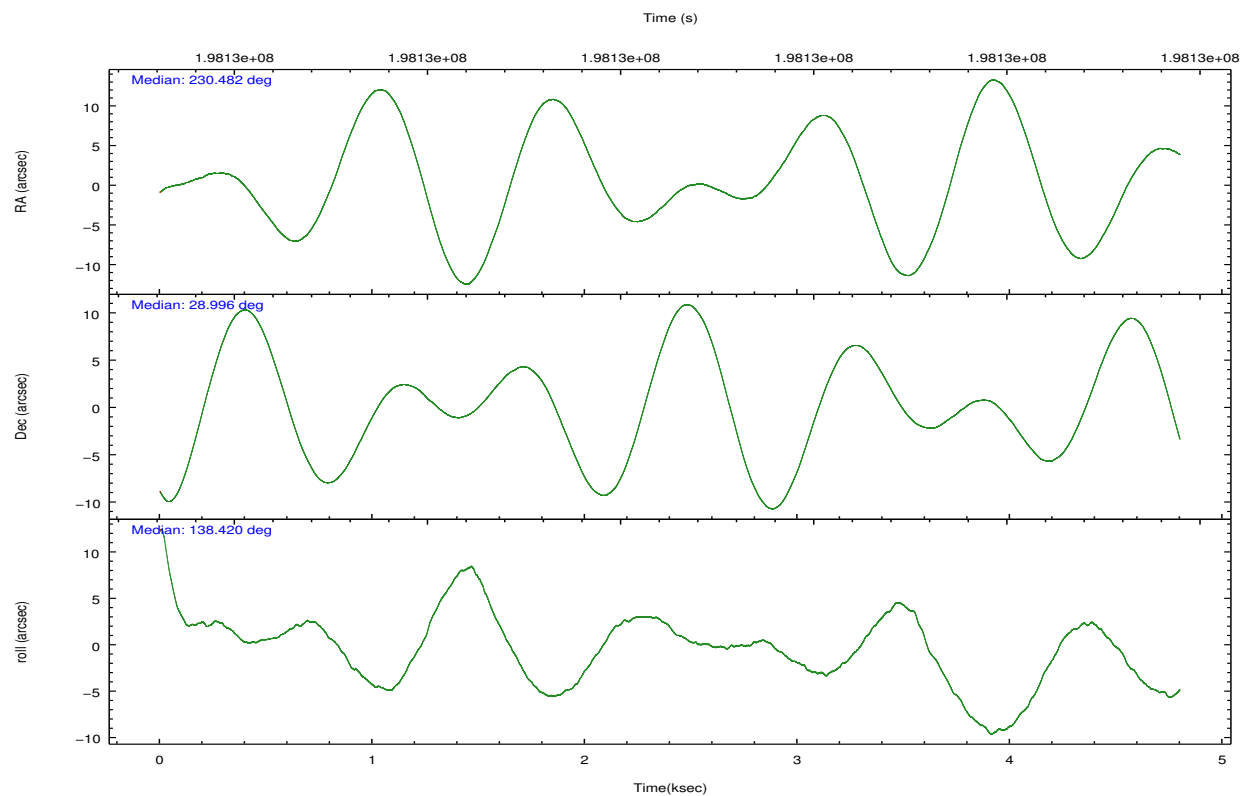


## 2.2 Compared Parameters

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	230.512888	230.4822375100088	Subarray requested	NONE	NONE
[deg] Pointing Dec	28.990783	28.9959617319684	Alternating exposures requested	N	N
[deg] Pointing Roll	138.250484	138.4219891204769	[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)	198128659.184000	198127392.2717			
Observation start date	2004-04-12T03:43:15	2004-04-12T03:23:12			
[s] Observation end time (MET)	198132659.184000	198134350.48451			
Observation end date	2004-04-12T04:49:55	2004-04-12T05:19:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect



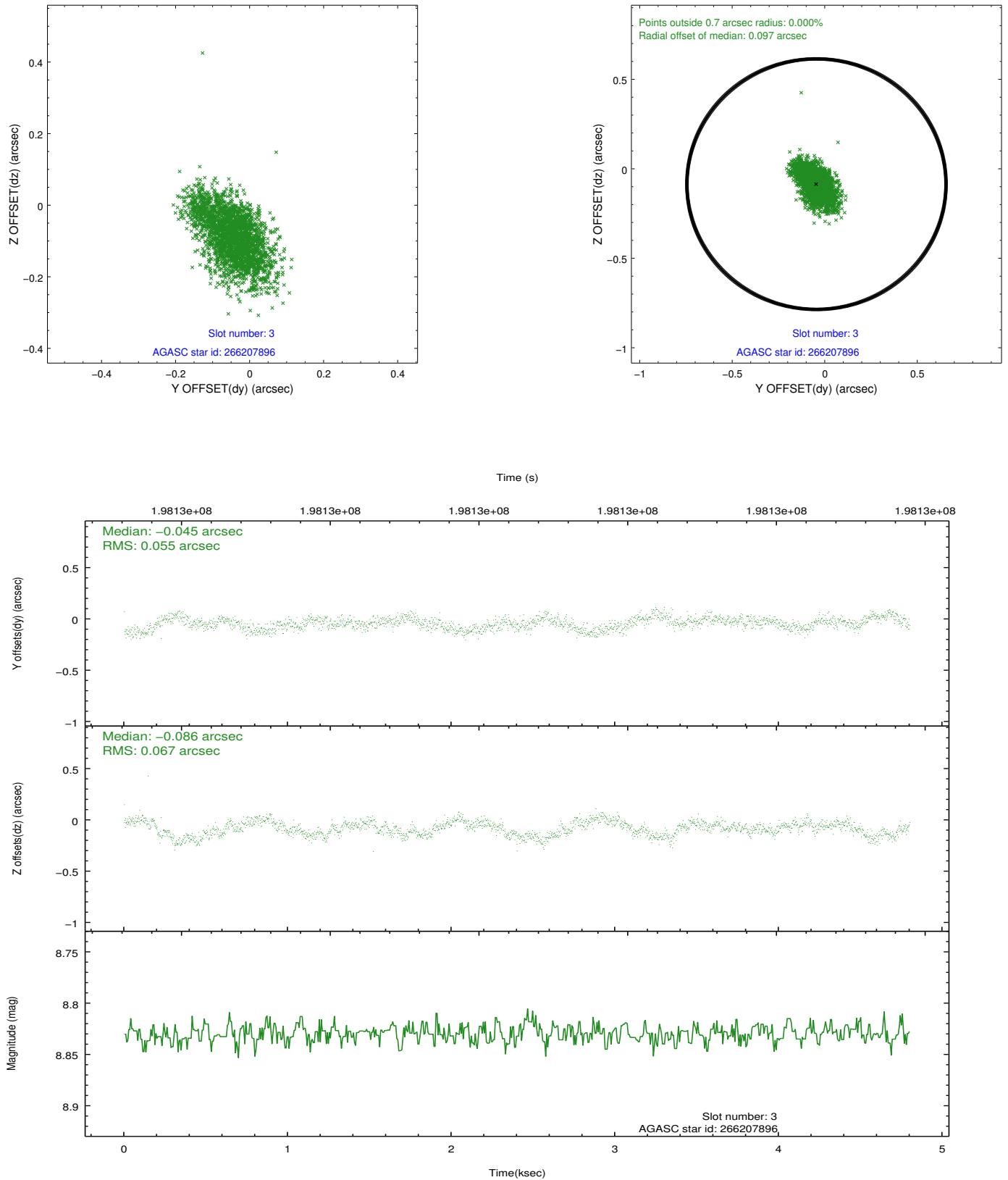


### Slot Statistics

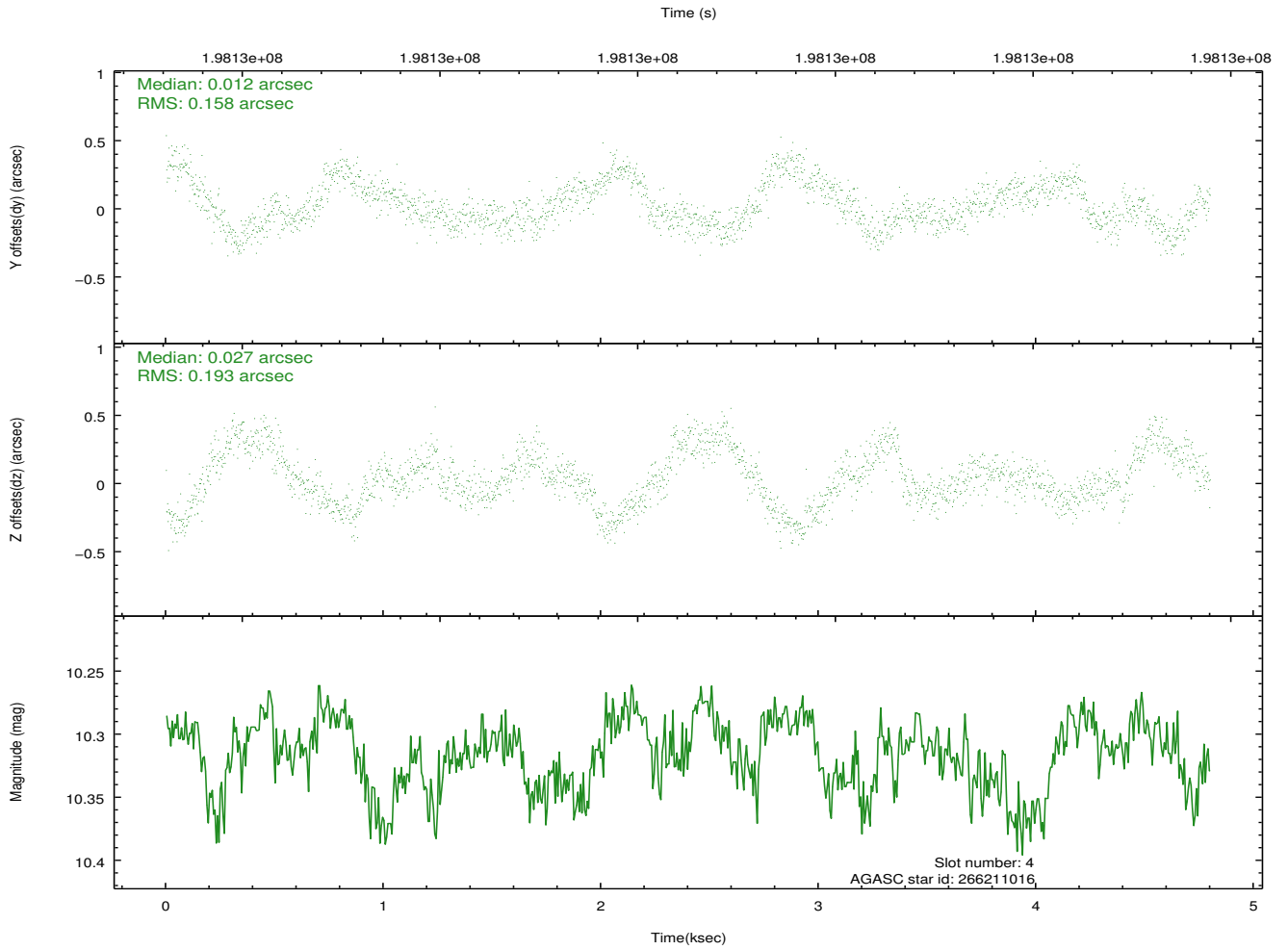
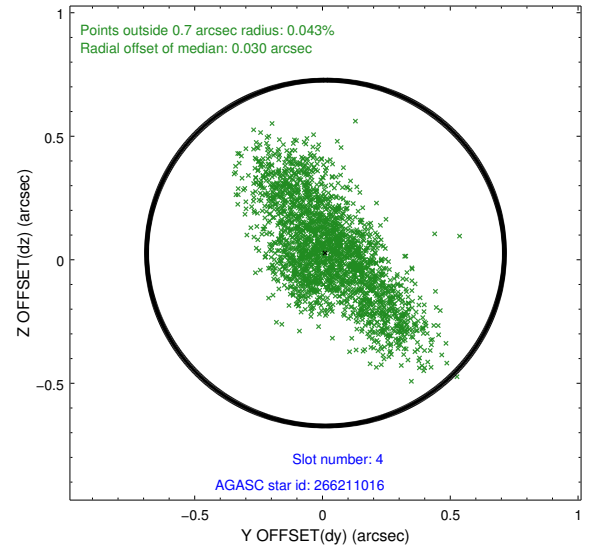
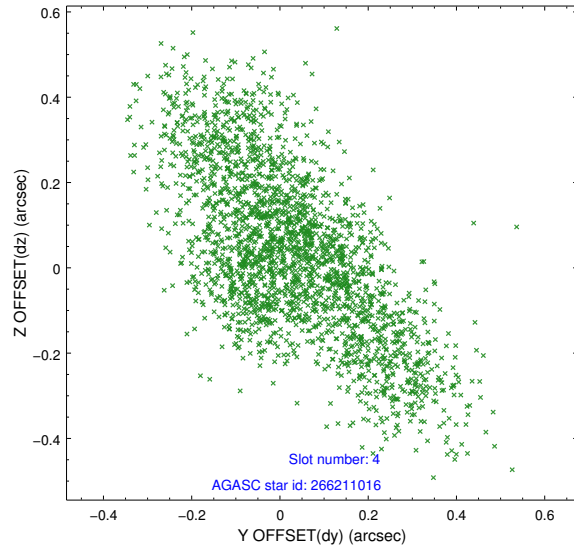
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1171	-0.049	-0.030	0.010	0.018	0.000000	0.000000	-759.41	-1730.68
1	FID	ACIS-S-4	7.20	1171	0.072	0.031	0.013	0.031	0.000000	0.000000	2153.40	176.57
2	FID	ACIS-S-5	7.23	1171	-0.056	0.007	0.010	0.019	0.000000	0.000000	-1810.64	171.63
3	GUIDE	266207896	8.83	2340	-0.045	-0.086	0.091	0.154	230.079718	29.264262	1672.34	169.86
4	GUIDE	266211016	10.31	2332	0.012	0.027	0.263	0.451	230.541241	29.261947	584.24	-787.09
5	GUIDE	266211432	9.81	2341	-0.072	-0.032	0.106	0.175	230.664611	28.567589	-1371.93	816.94
6	GUIDE	266215928	8.26	2341	0.053	0.104	0.091	0.154	231.261301	29.146197	-1378.49	-1989.13
7	GUIDE	266216280	9.11	2339	0.041	-0.019	0.090	0.157	230.814626	29.031614	-610.16	-743.11

## 2.4 Star Slots

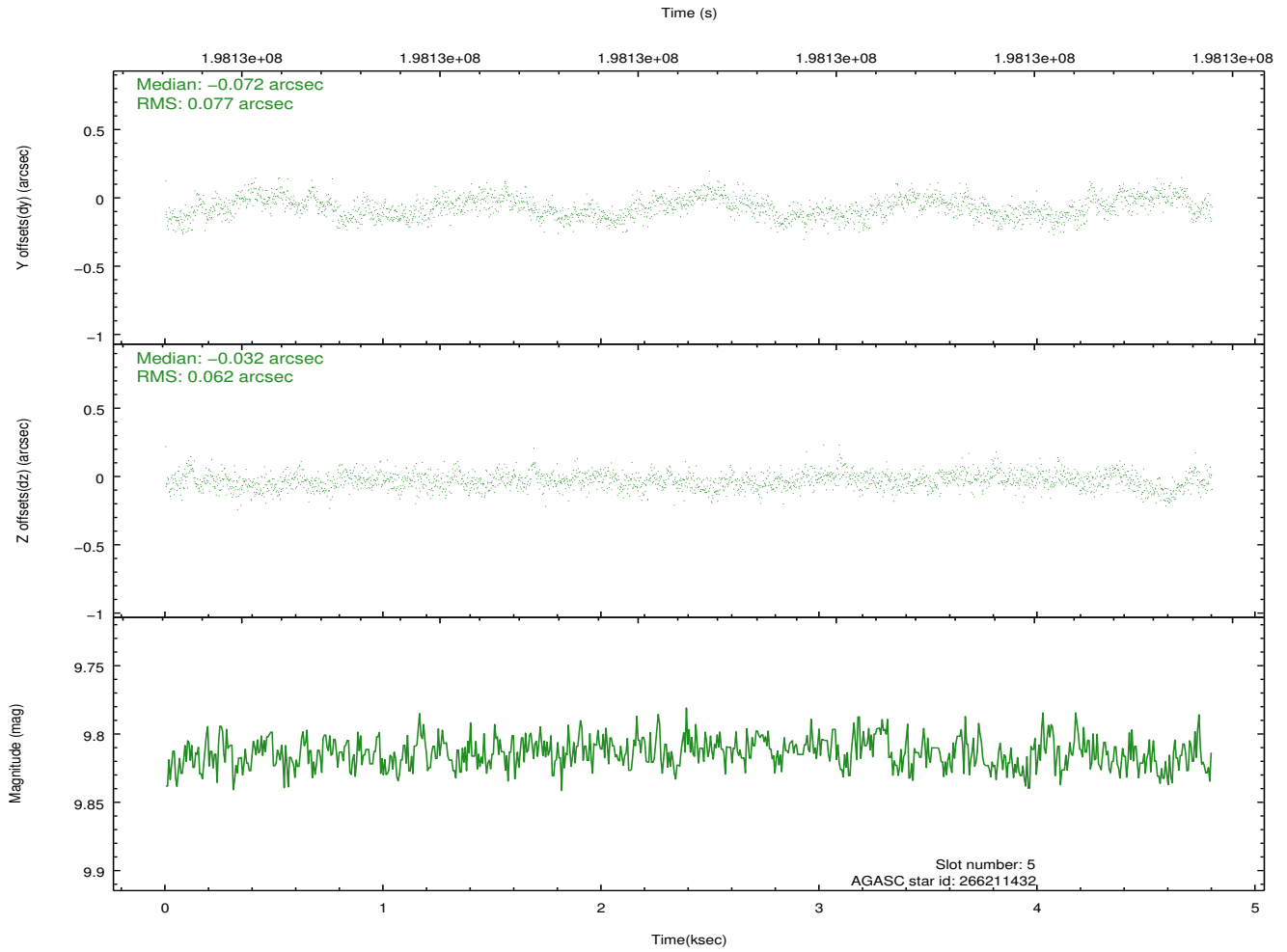
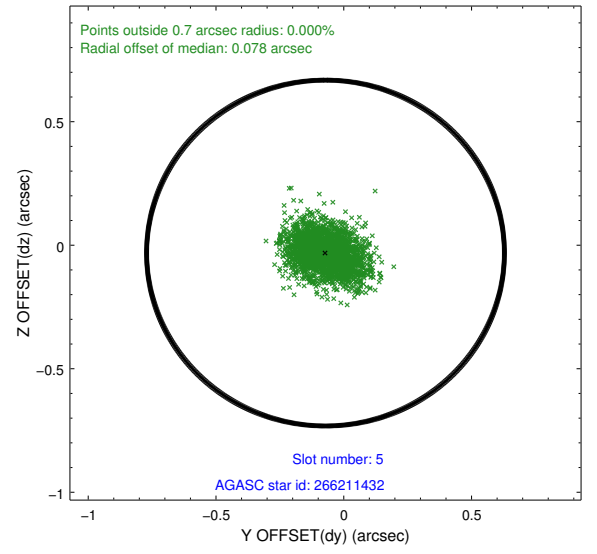
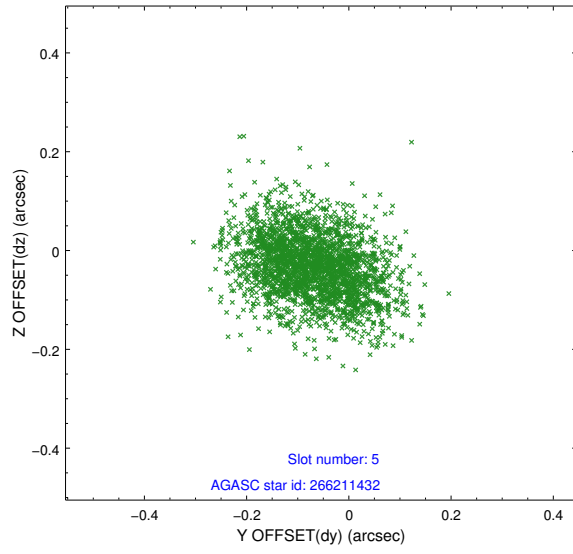
### 2.4.1 Slot 3



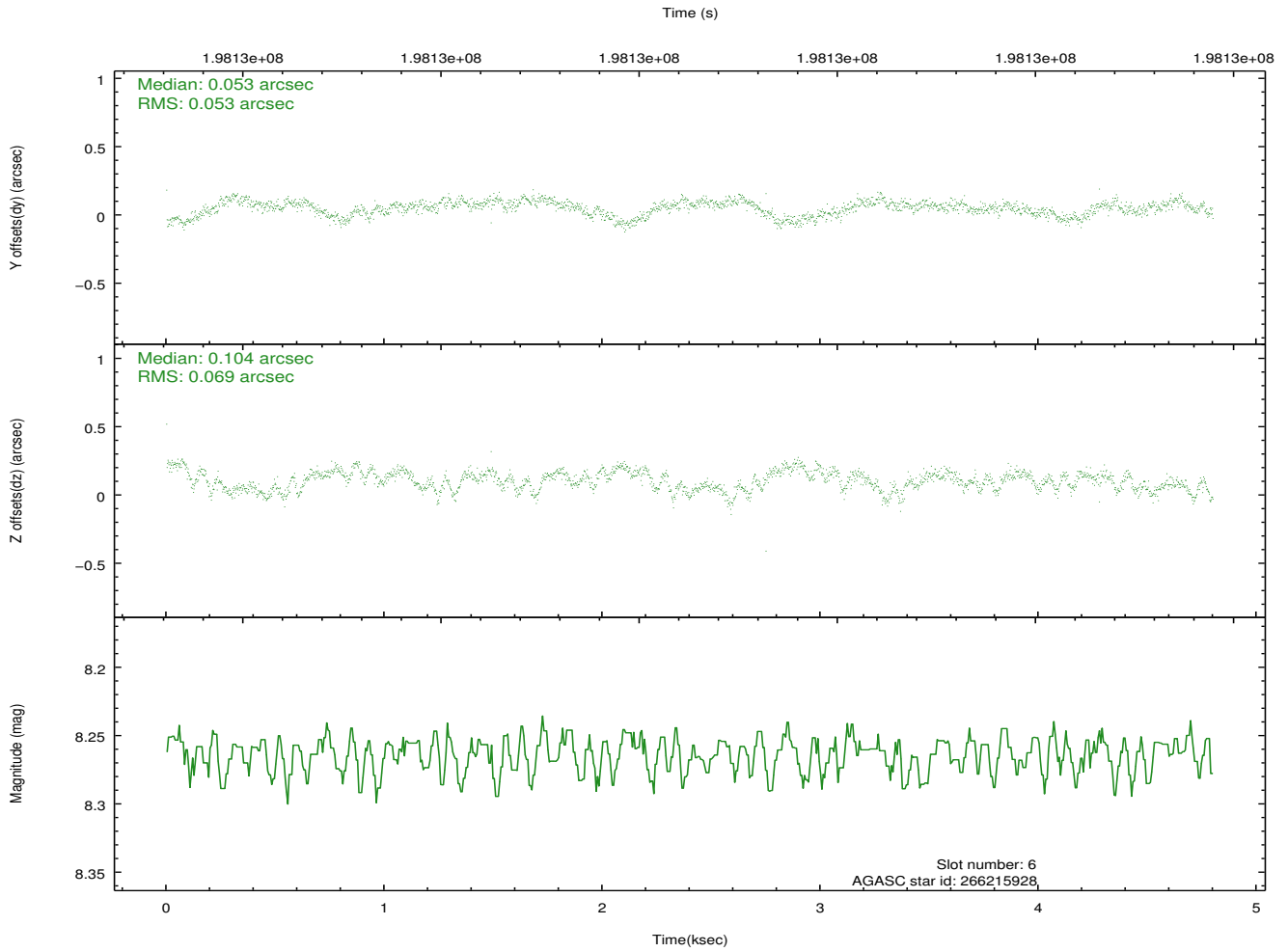
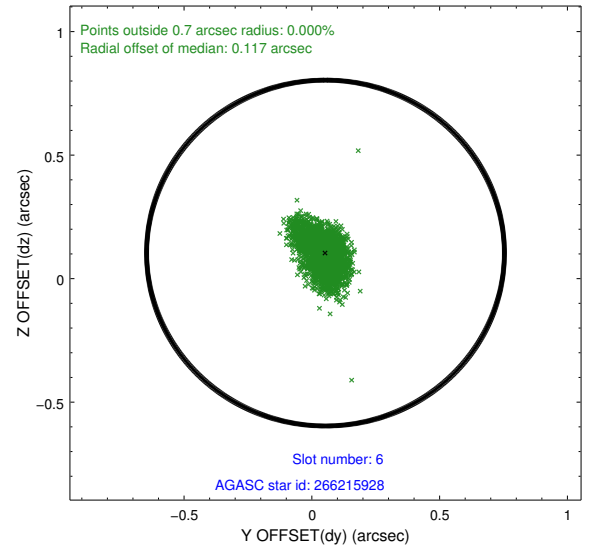
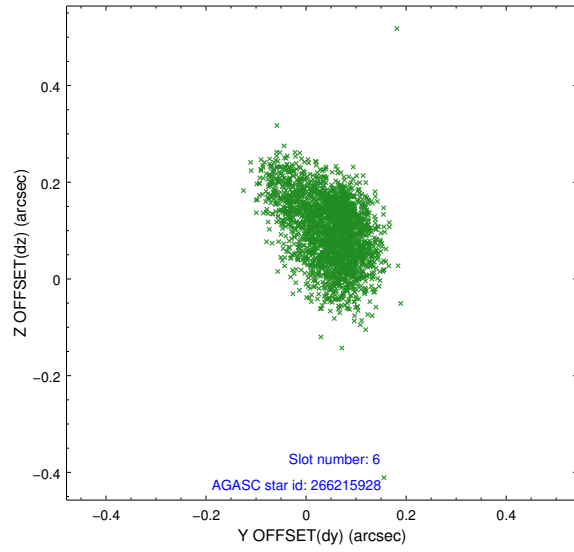
## 2.4.2 Slot 4



### 2.4.3 Slot 5

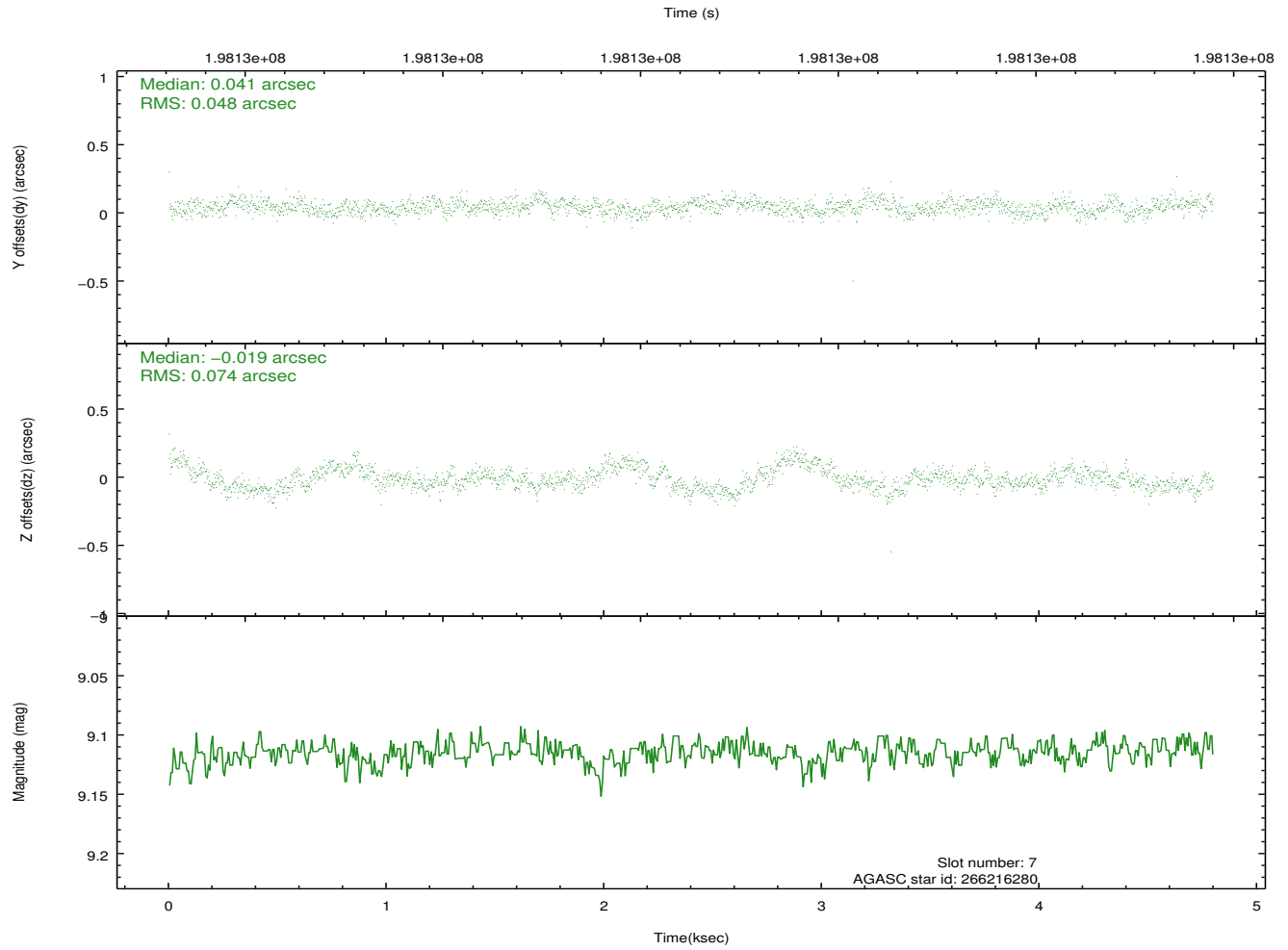
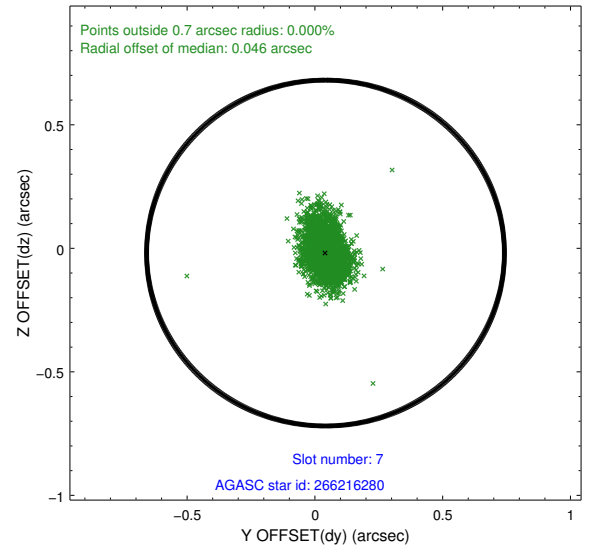
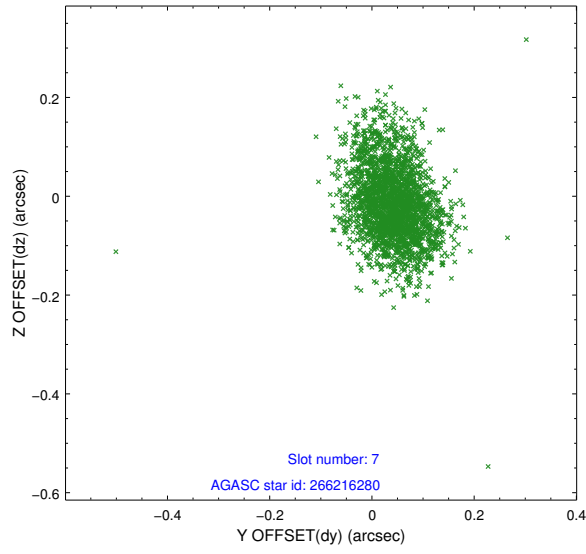


## 2.4.4 Slot 6



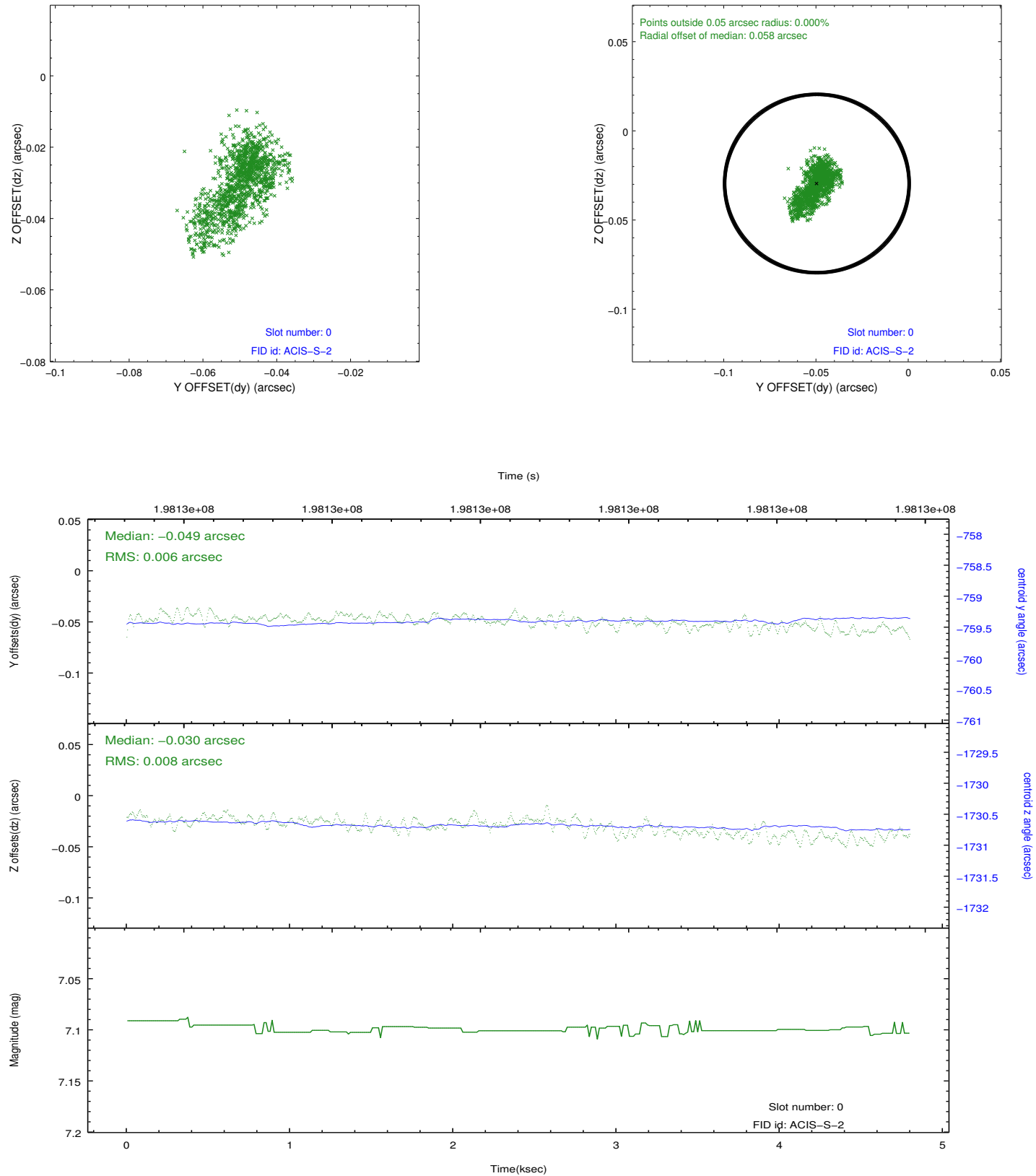


## 2.4.5 Slot 7

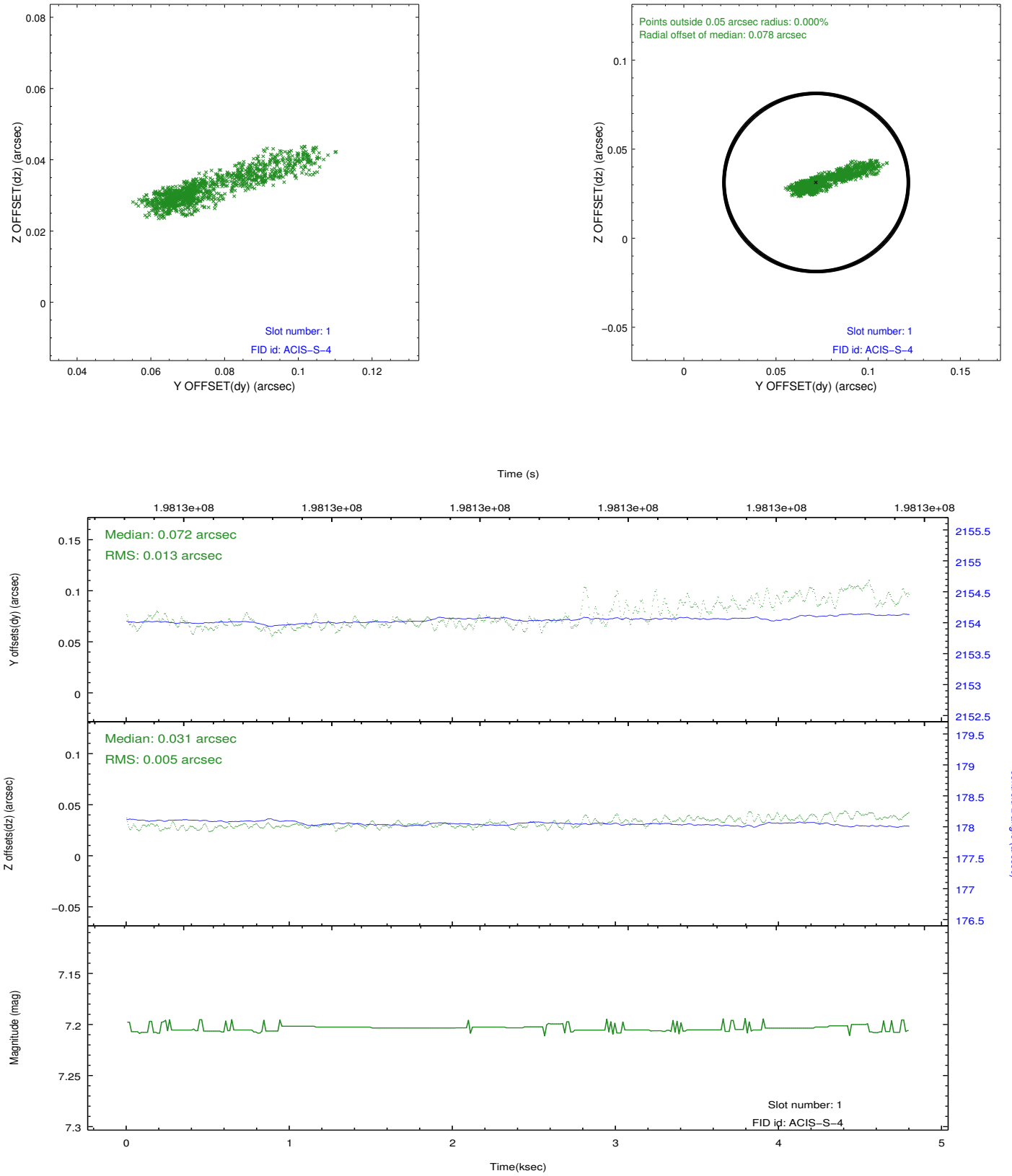


## 2.5 FID Slots

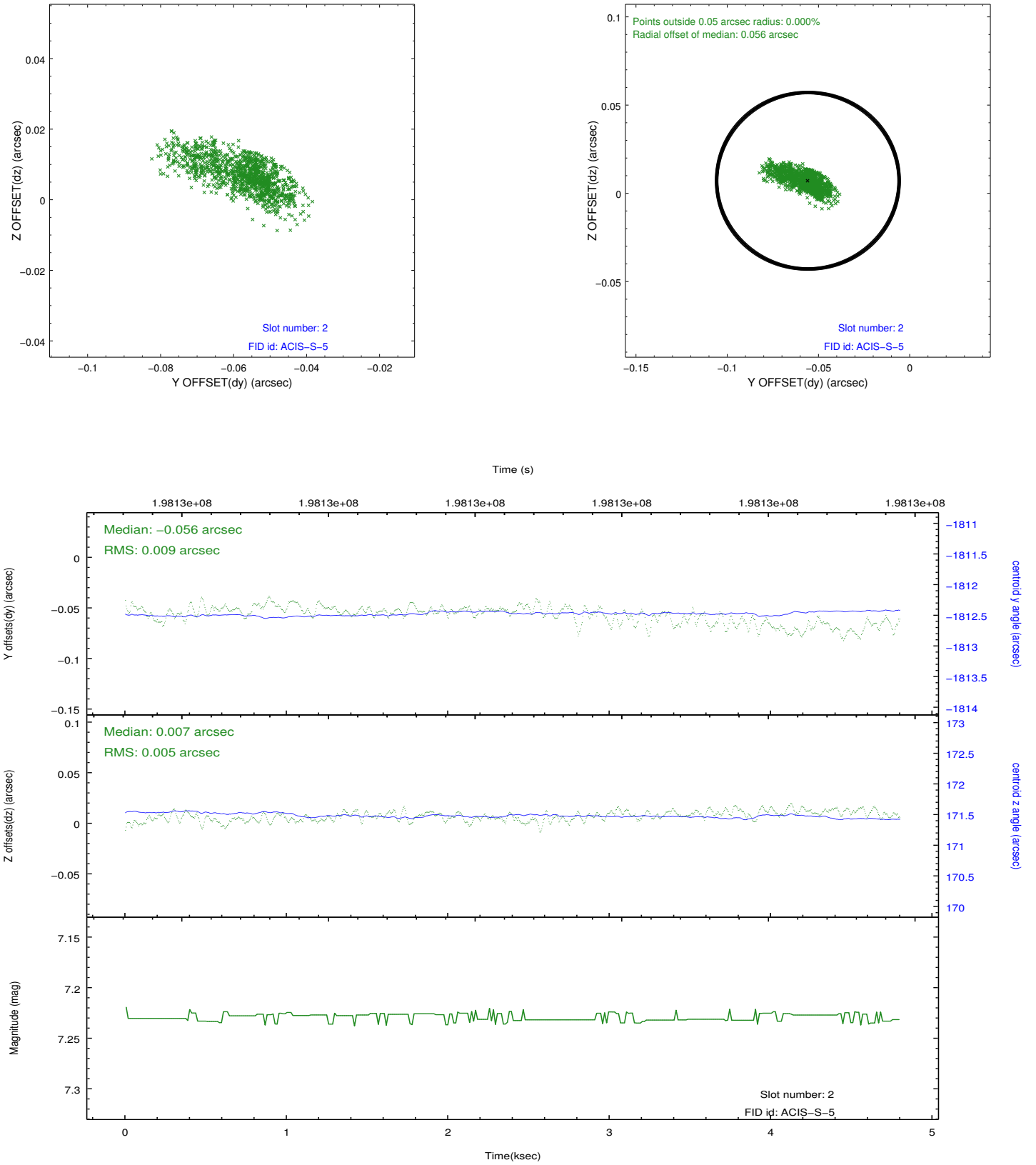
### 2.5.1 Slot 0



## 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	4.641

### A.2 Comments