

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 4782 - L2 Version 3  
Chandra X-Ray Center

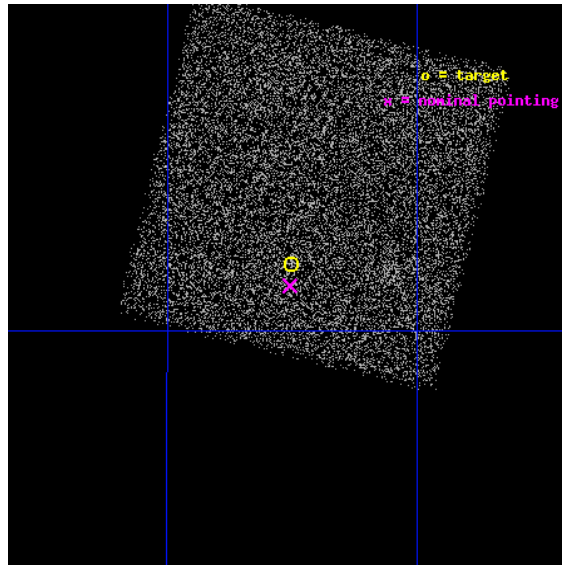
L2 Processing Date : Dec 8 2012

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# 1 Front

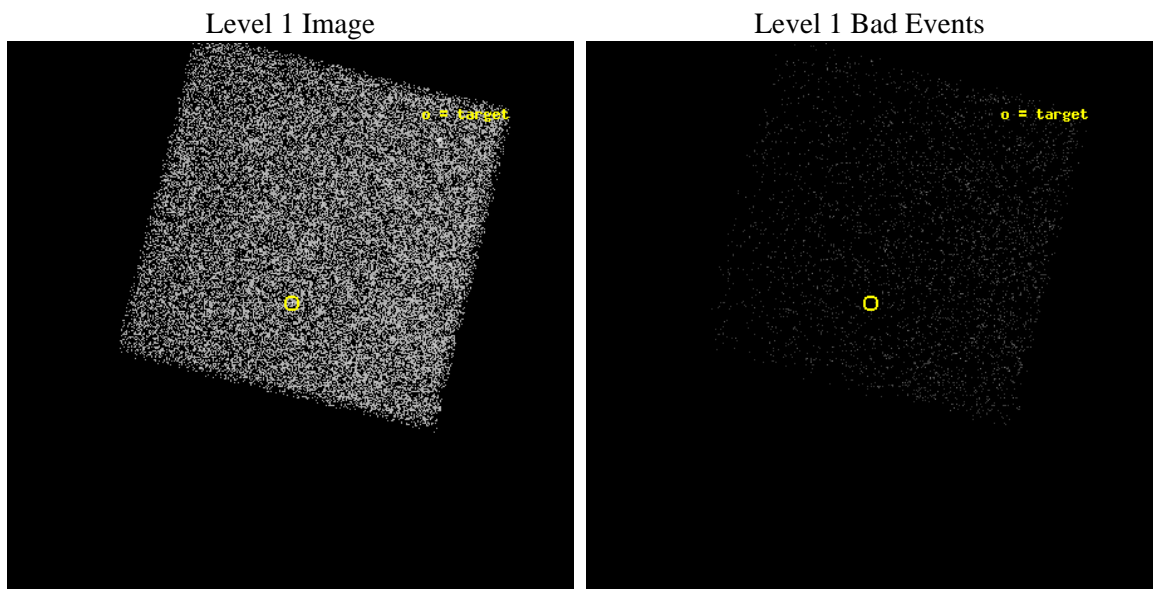
seq_num	700865	Sequence number
obs_id	4782	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1400-1151	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.937917	Observer's specified target RA [deg]
dec_targ	29.362222	Observer's specified target Dec [deg]
ra_nom	210.93865115098	Nominal RA [deg]
dec_nom	29.352640684335	Nominal Dec [deg]
roll_nom	283.87067375702	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4245.0	Sum of GTIs [s]
livetime	4187.7120984926	Livetime [s]
ontime7	4245.0	Sum of GTIs [s]
l2events	20746	Number of level 2 events



## 2 OBI

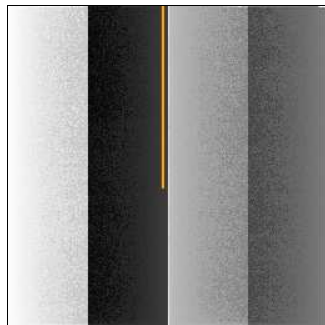
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4063.046000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	4245.0	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime7	4245.0	Sum of GTIs [s]
date	2012-12-08T07:50:31	Date and time of file creation	l1events	46254	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	46254
rejected events	25070
rejected %	54%

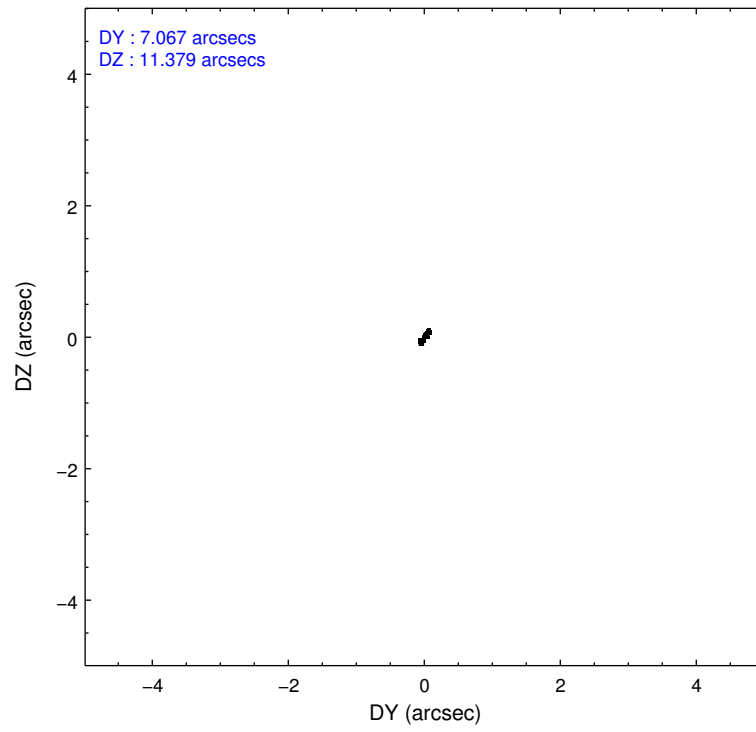
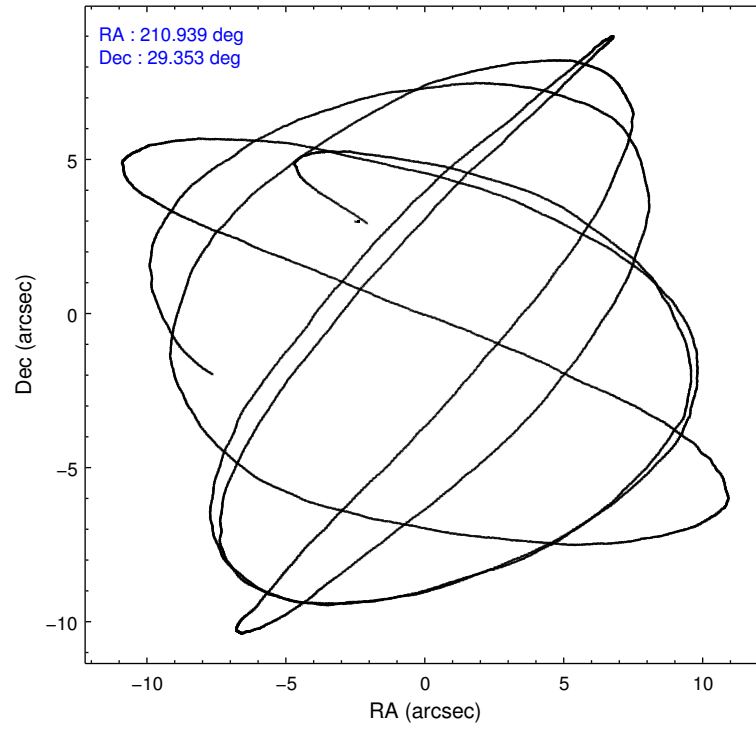
	<b>ccd 7</b>
grade 0 events	2155
	4%
grade 1 events	35
	0%
grade 2 events	4194
	9%
grade 3 events	1877
	4%
grade 4 events	1878
	4%
grade 5 events	4051
	8%
grade 6 events	11543
	24%
grade 7 events	20521
	44%

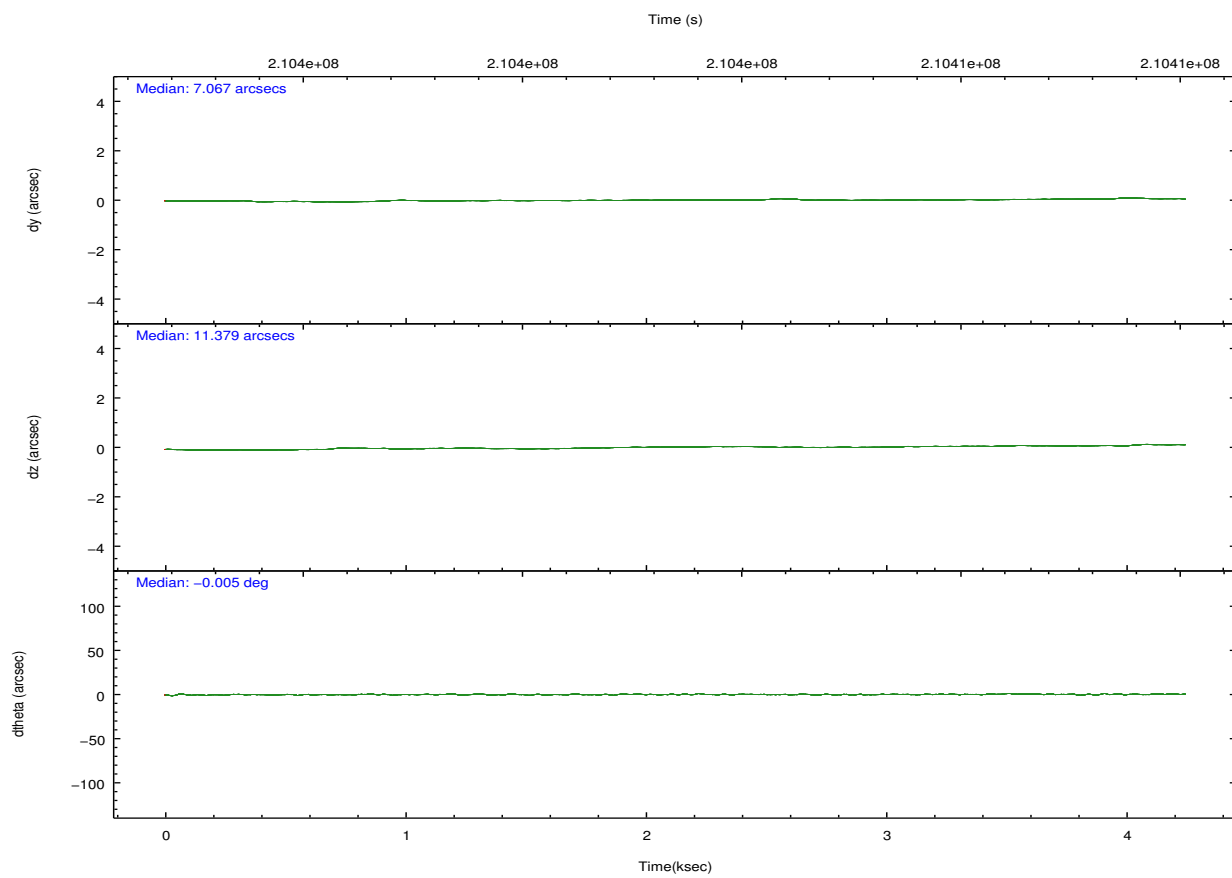
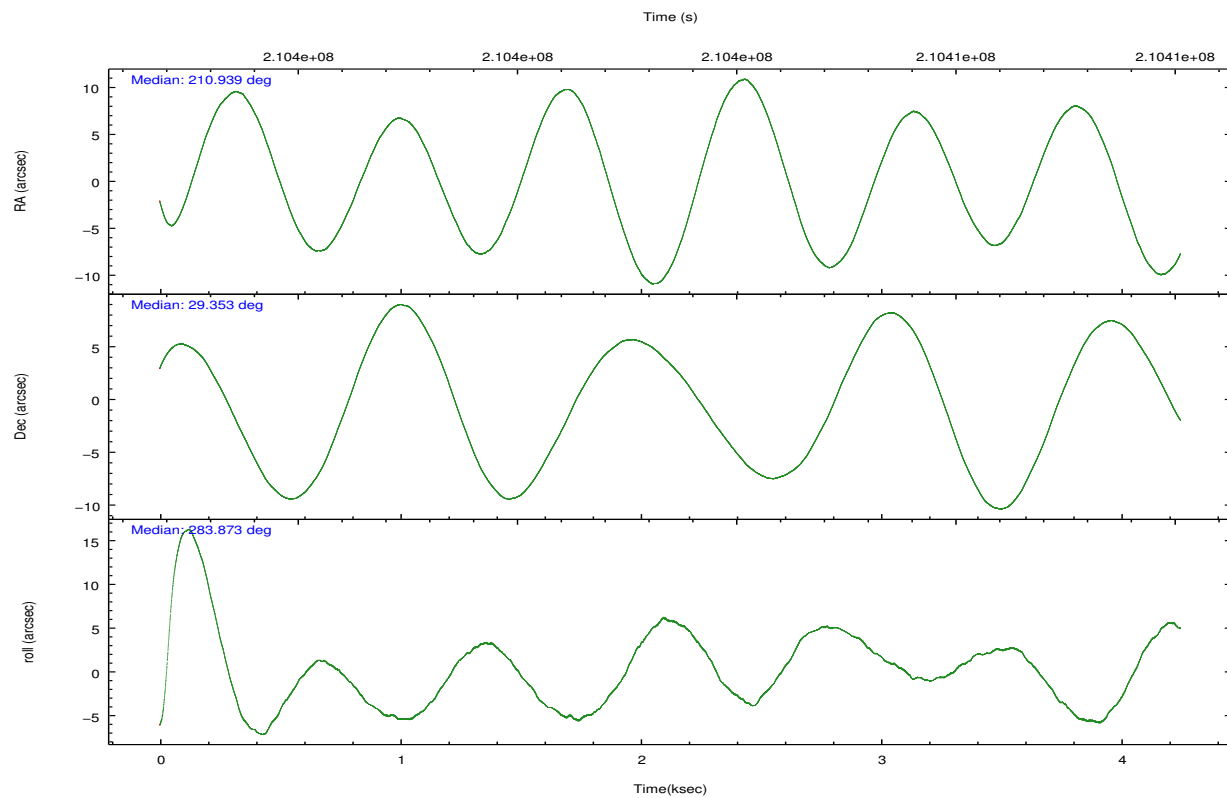


## 2.2 Compared Parameters

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	210.916681	210.938651150979	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.371943	29.3526406843346	Alternating exposures requested	N	N
[deg] Pointing Roll	283.724895	283.8706737570237	[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)	210402757.184000	210401984.60286			
Observation start date	2004-09-01T05:11:33	2004-09-01T04:59:44			
[s] Observation end time (MET)	210406820.184000	210407039.90308			
Observation end date	2004-09-01T06:19:16	2004-09-01T06:23:59			
Read mode	TIMED	TIMED			

## 2.3 Aspect



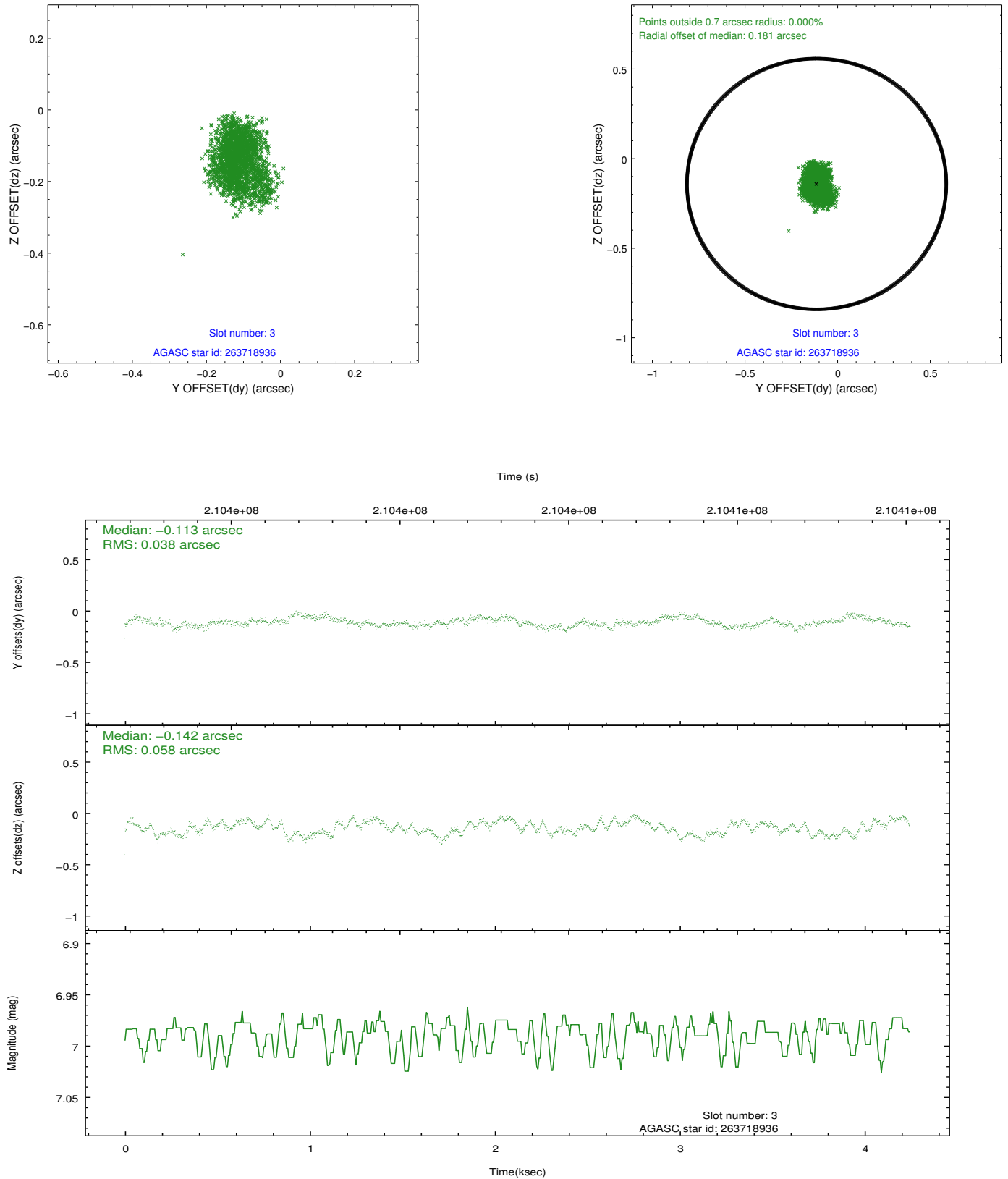


### Slot Statistics

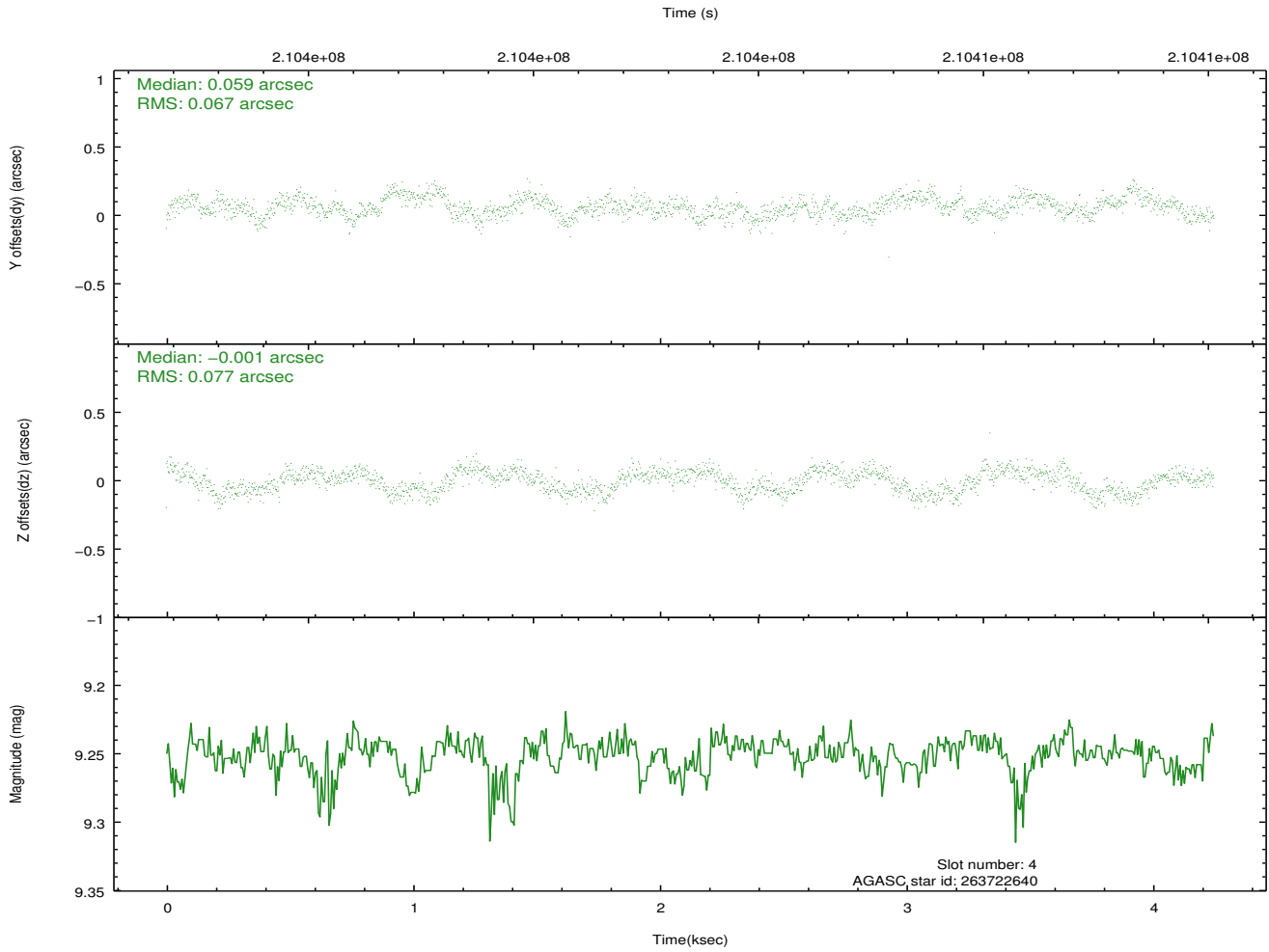
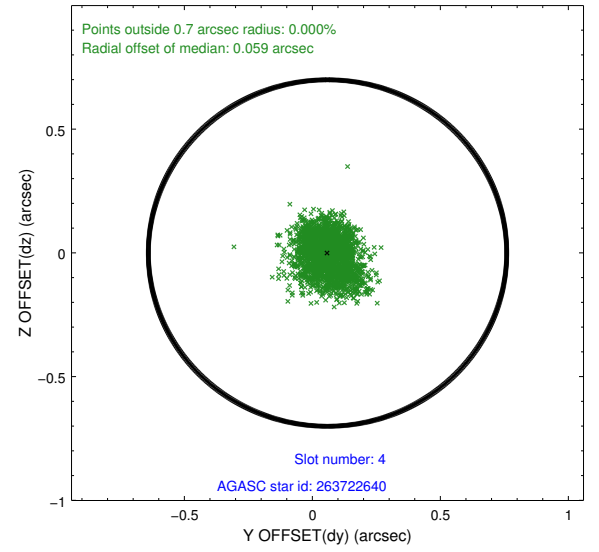
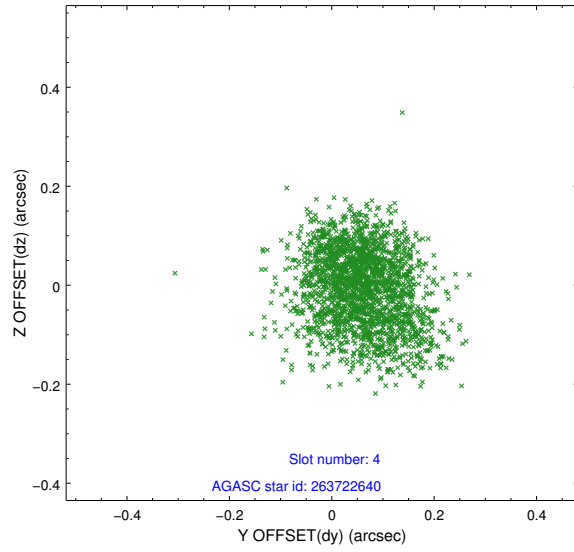
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1037	-0.035	-0.009	0.007	0.011	0.000000	0.000000	-759.84	-1732.67
1	FID	ACIS-S-4	7.20	1037	0.063	0.020	0.006	0.011	0.000000	0.000000	2152.86	174.36
2	FID	ACIS-S-5	7.23	1037	-0.059	-0.001	0.006	0.011	0.000000	0.000000	-1810.85	169.63
3	GUIDE	263718936	6.99	2073	-0.113	-0.142	0.076	0.118	211.115092	29.142517	950.28	410.15
4	GUIDE	263722640	9.25	2070	0.059	-0.001	0.109	0.176	211.224050	29.039332	1392.45	656.30
5	GUIDE	263724096	10.28	2070	0.042	0.029	0.210	0.323	211.380250	29.560093	-315.37	1571.94
6	GUIDE	263724952	10.12	2073	-0.020	-0.012	0.141	0.228	211.284075	29.404999	156.18	1148.81
7	GUIDE	263725680	9.67	2069	0.036	0.117	0.125	0.197	211.602127	28.885667	2207.77	1685.78

## 2.4 Star Slots

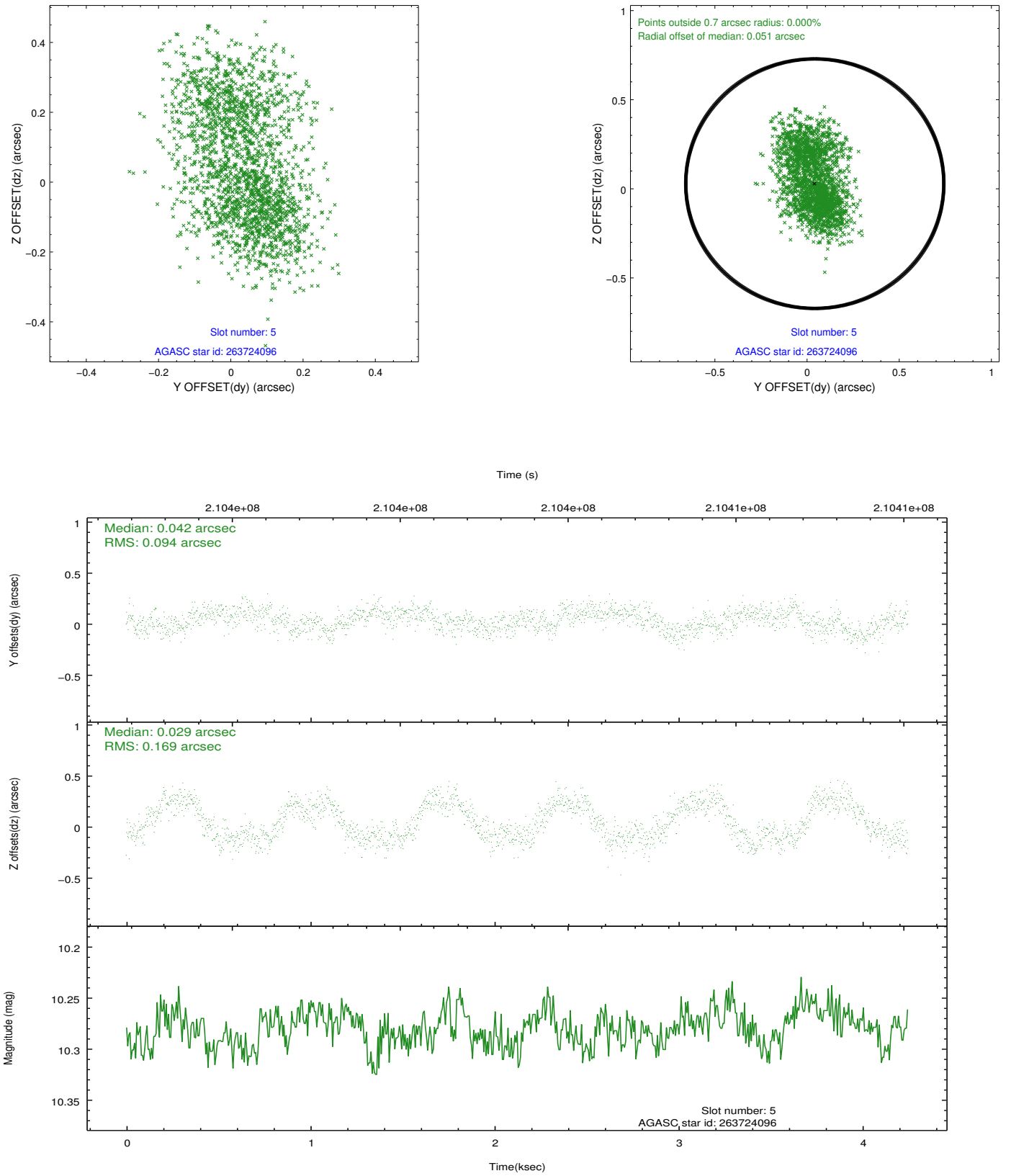
### 2.4.1 Slot 3



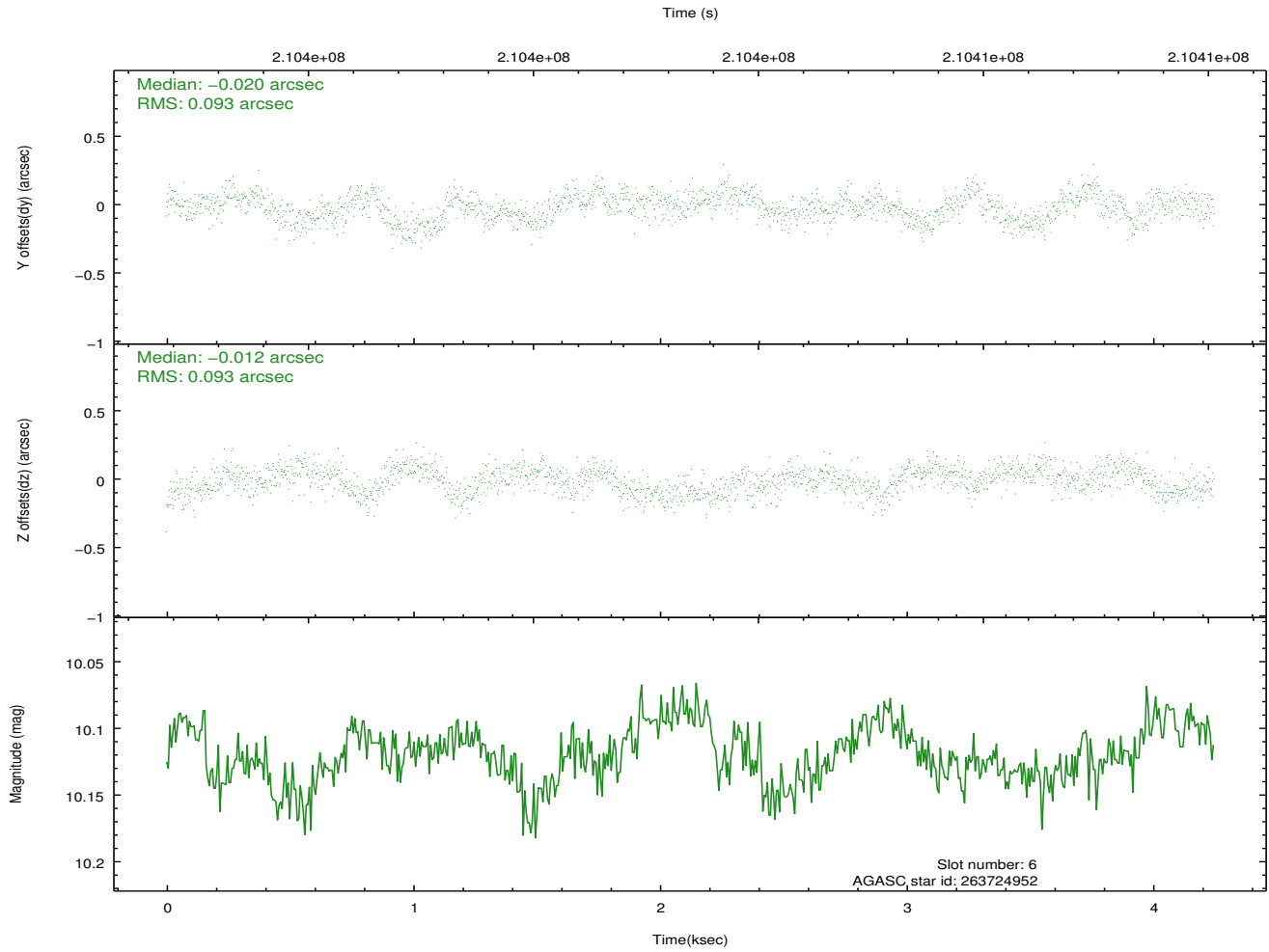
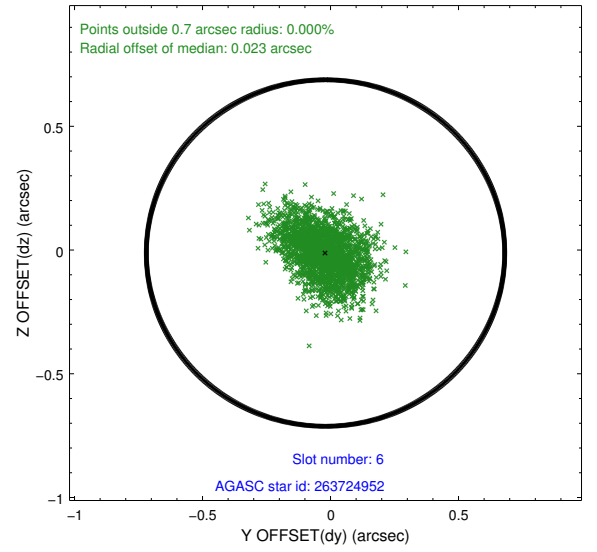
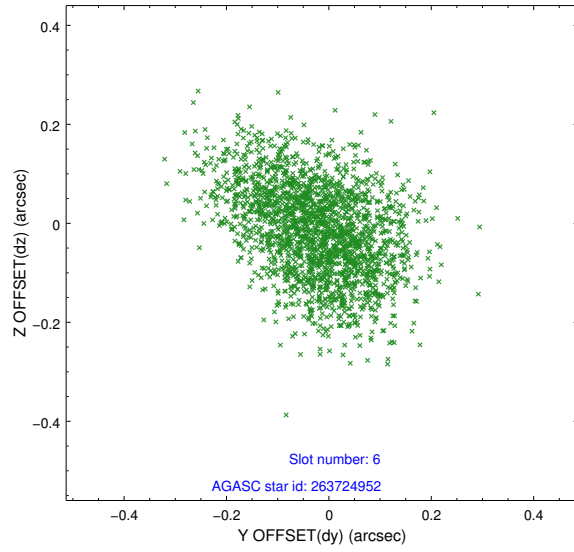
## 2.4.2 Slot 4



### 2.4.3 Slot 5

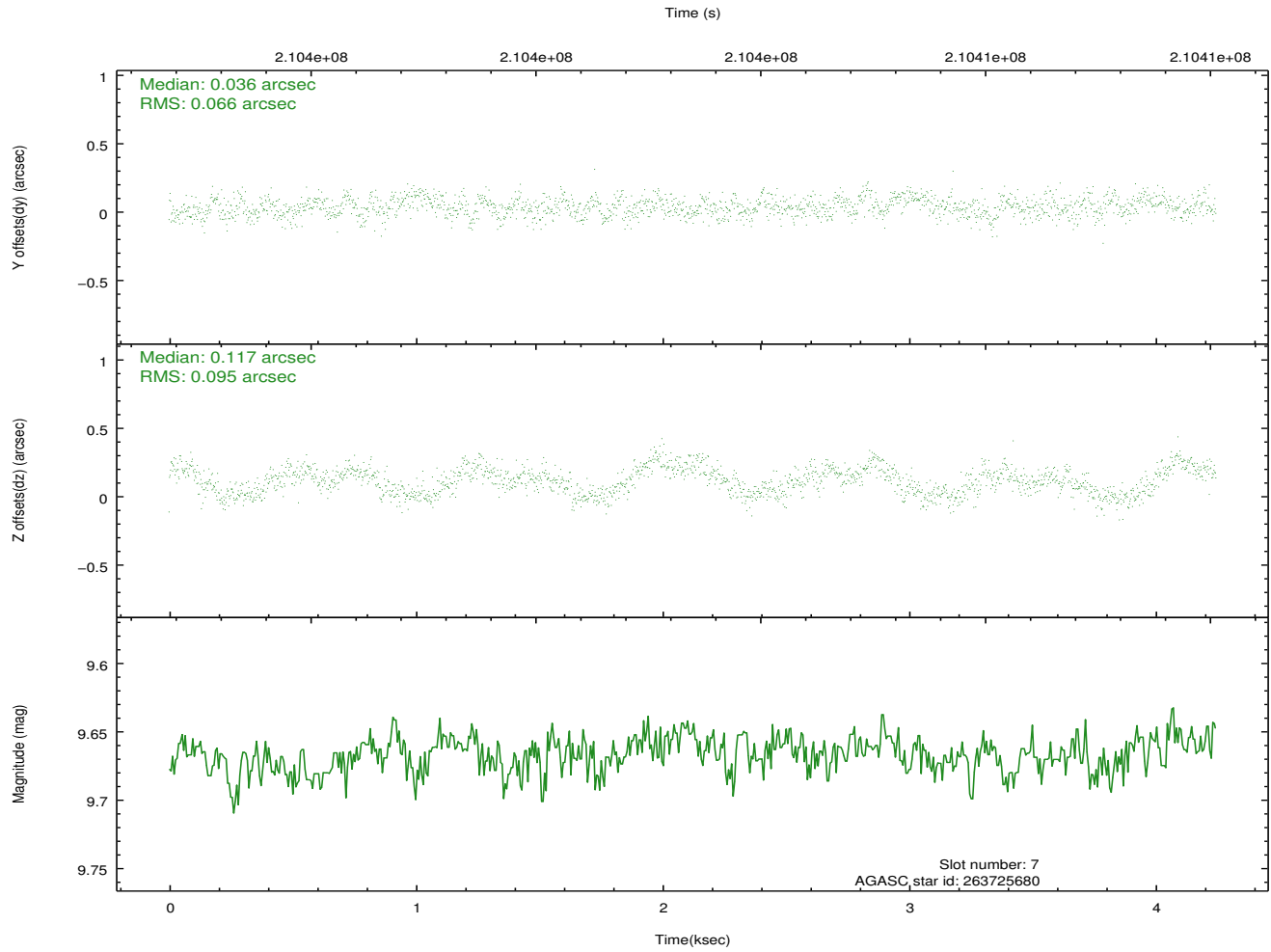
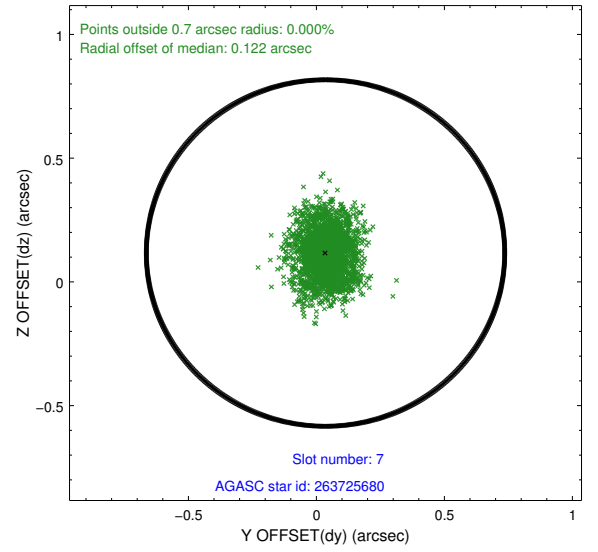
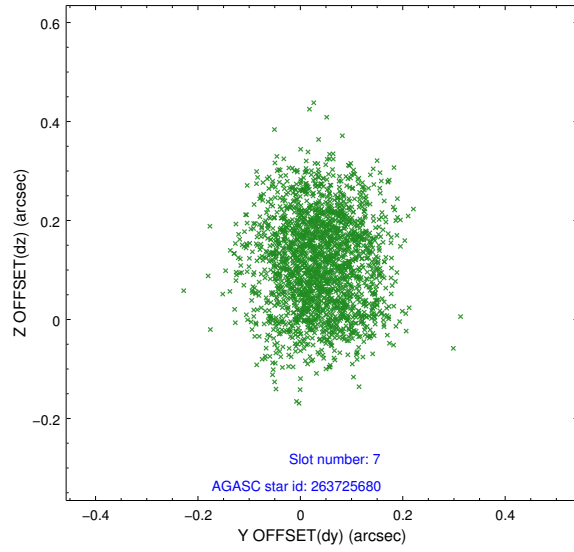


## 2.4.4 Slot 6



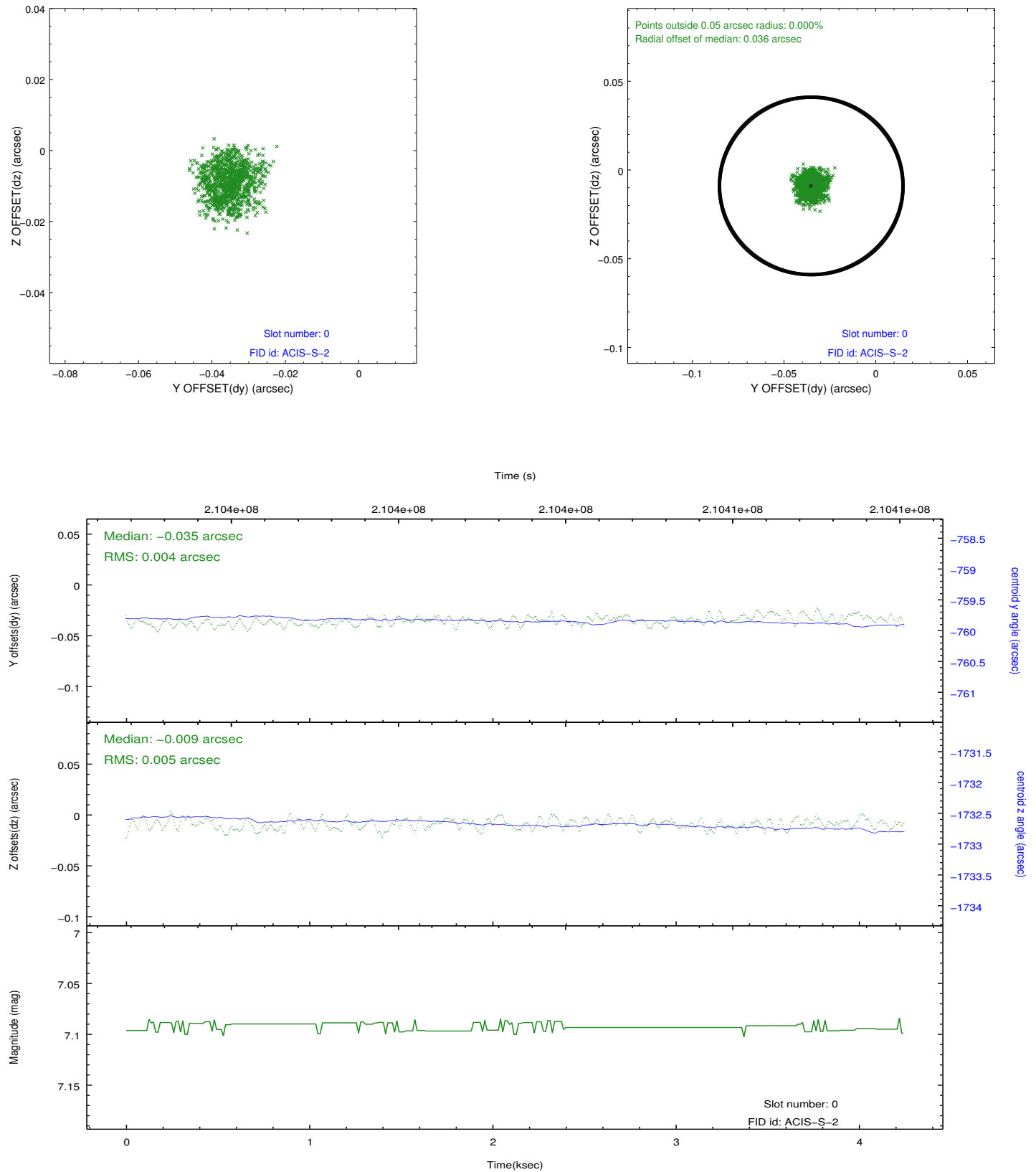


## 2.4.5 Slot 7

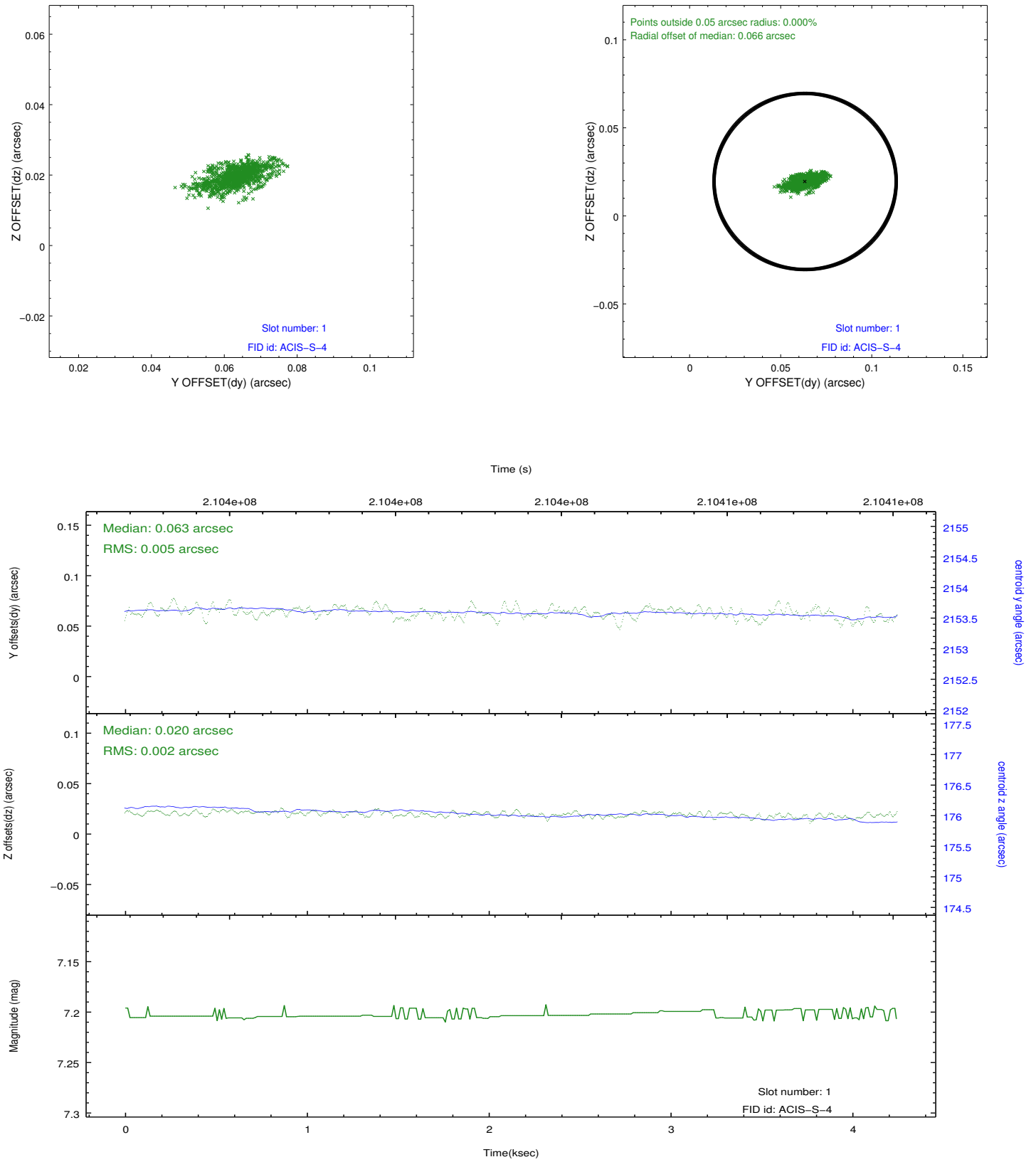


## 2.5 FID Slots

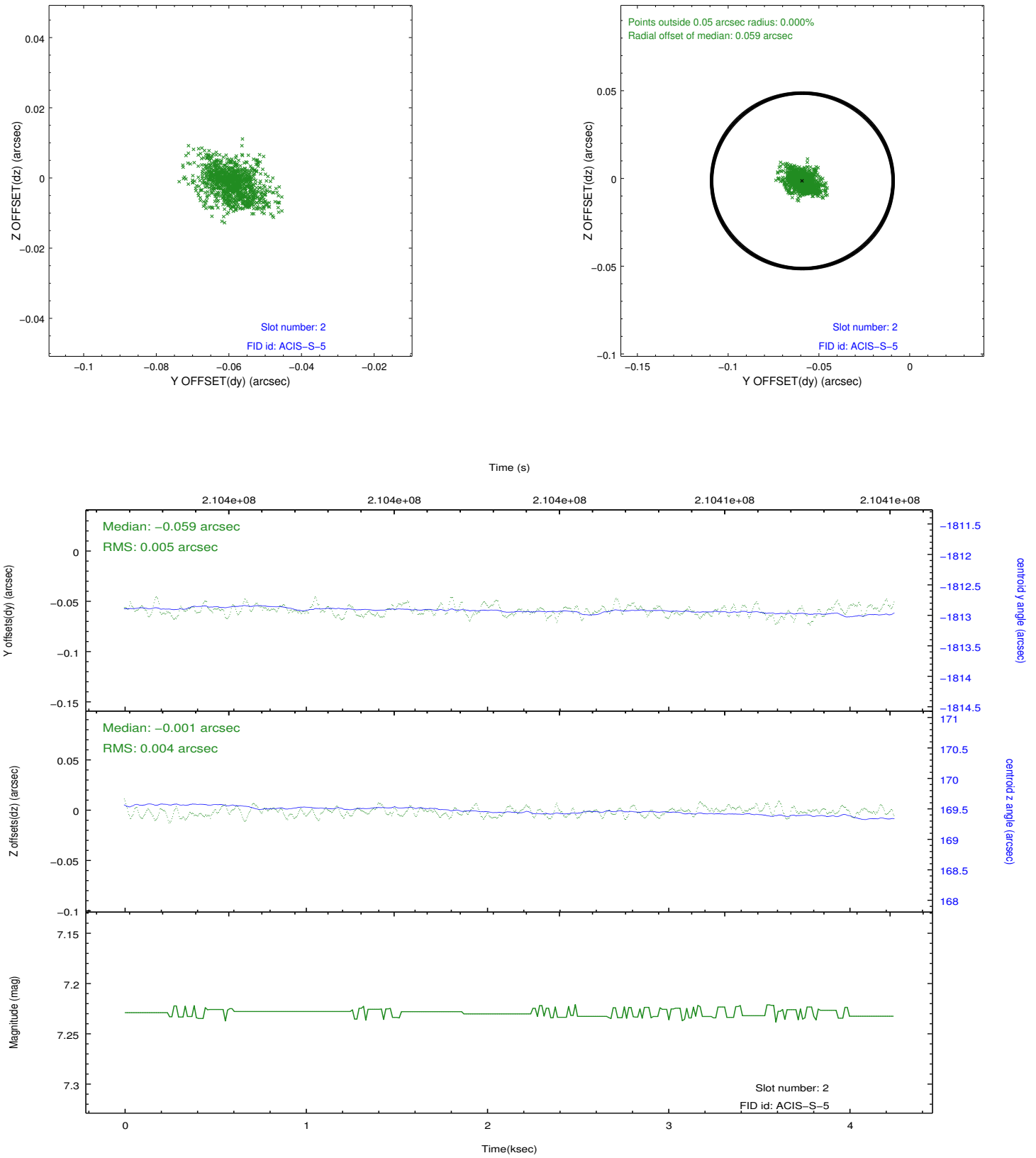
### 2.5.1 Slot 0



## 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)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.245

### **A.2 Comments**