

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3889 - L2 Version 3  
Chandra X-Ray Center

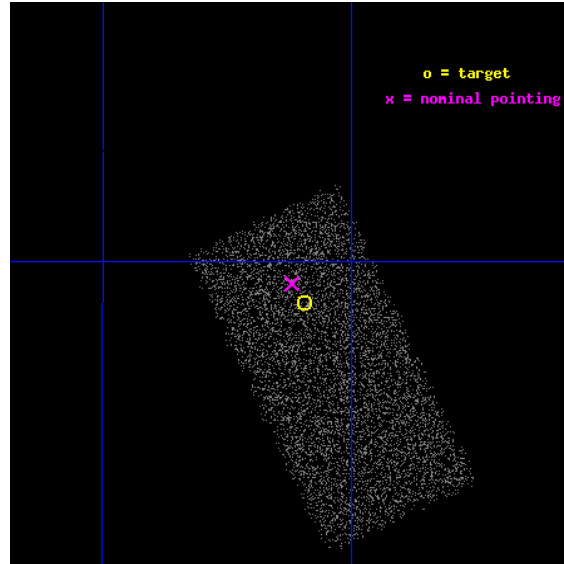
L2 Processing Date : Oct 24 2012

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# 1 Front

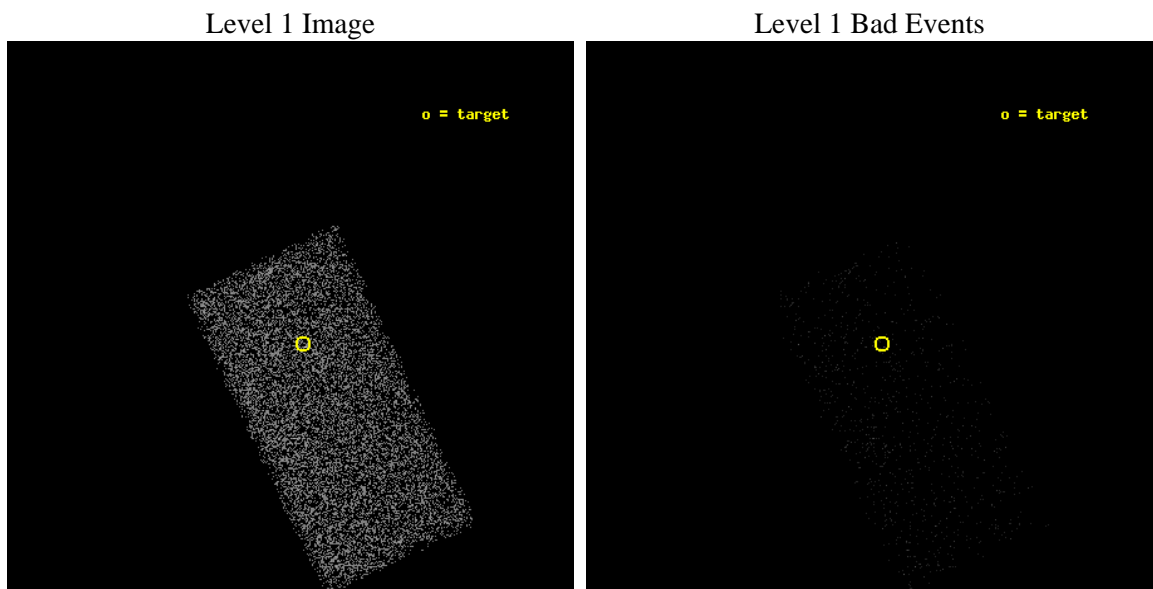
seq_num	500368	Sequence number
obs_id	3889	Observation id
title	COMPLETING THE CENSUS OF COMPACT OBJECTS IN SUPERNOVA REMNANTS	Pro
observer	Prof. David Kaplan	Principal investigator
object	AX J2049.6+2939	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	312.39875	Observer's specified target RA [deg]
dec_targ	29.649167	Observer's specified target Dec [deg]
ra_nom	312.40514749837	Nominal RA [deg]
dec_nom	29.656975728358	Nominal Dec [deg]
roll_nom	64.386463465025	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3184.5	Sum of GTIs [s]
livetime	3099.6924155116	Livetime [s]
ontime7	3184.5	Sum of GTIs [s]
l2events	8203	Number of level 2 events



## 2 OBI

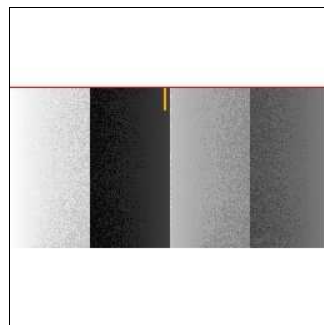
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3029.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3184.5	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime7	3184.5	Sum of GTIs [s]
date	2012-10-24T19:04:50	Date and time of file creation	l1events	24459	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

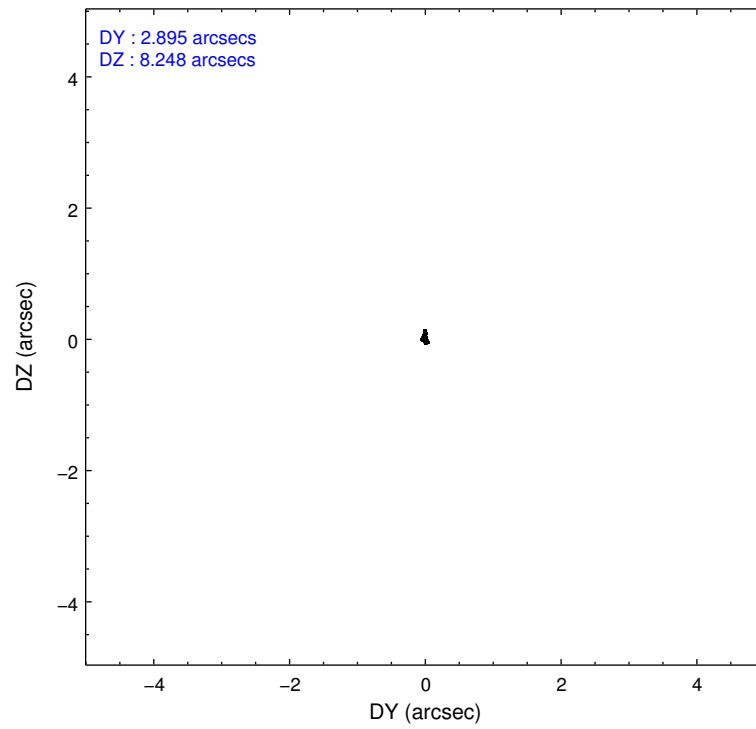
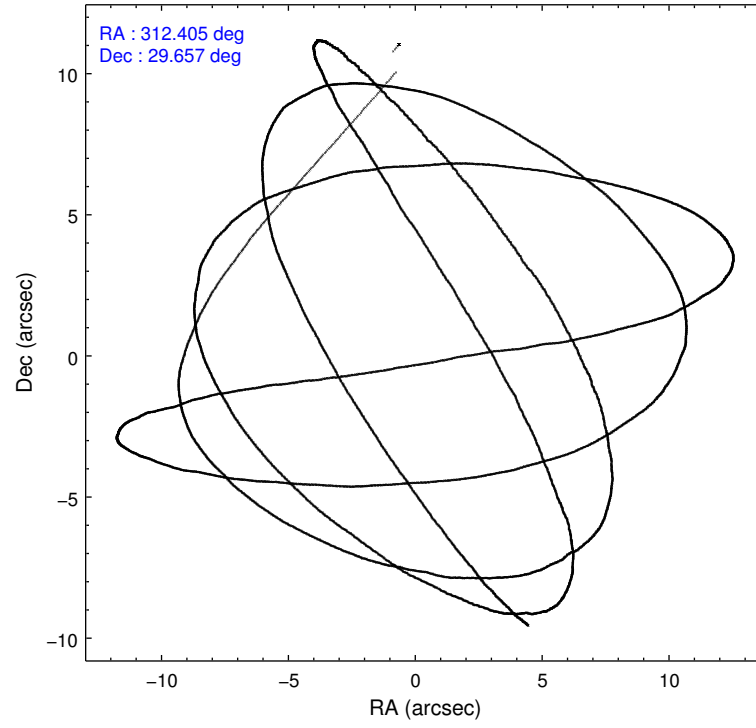
	<b>ccd 7</b>
level 1 events	24459
rejected events	16079
rejected %	65%

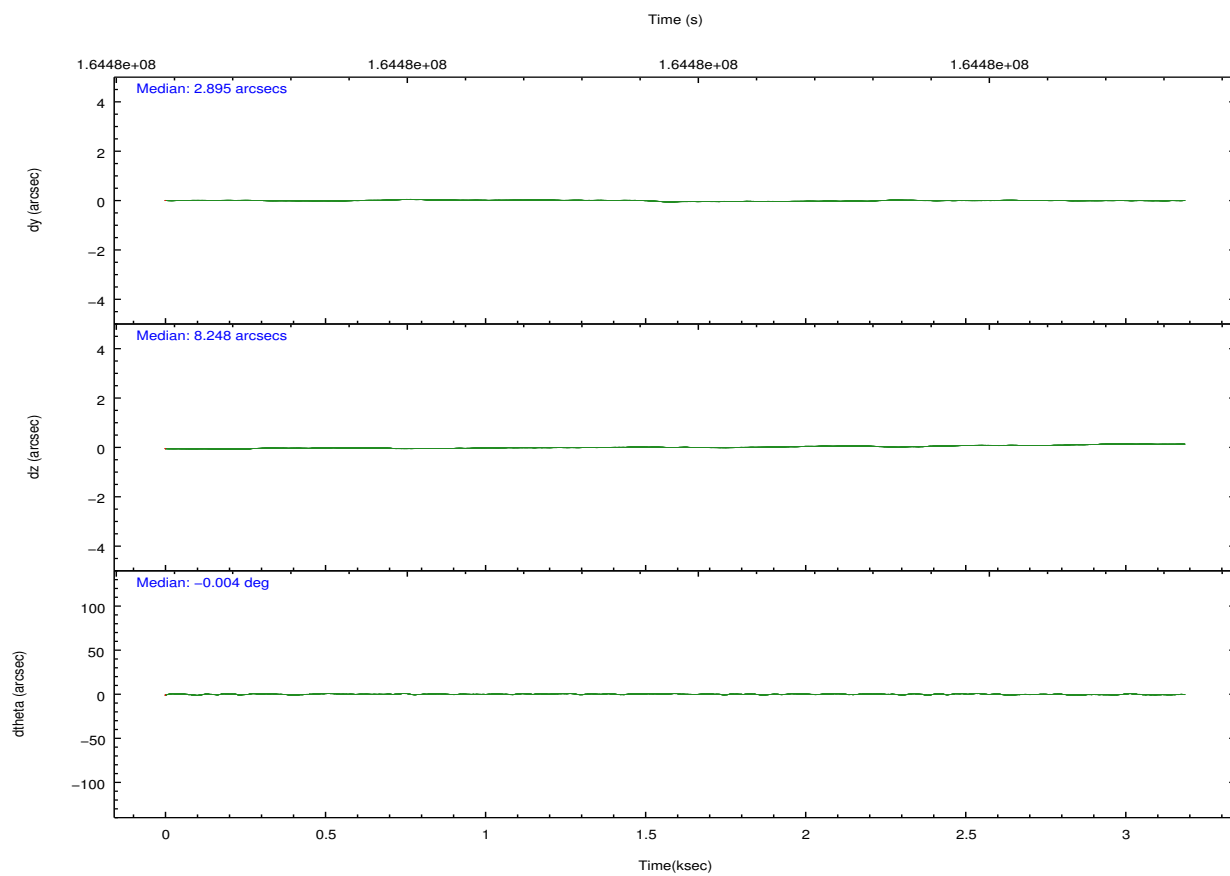
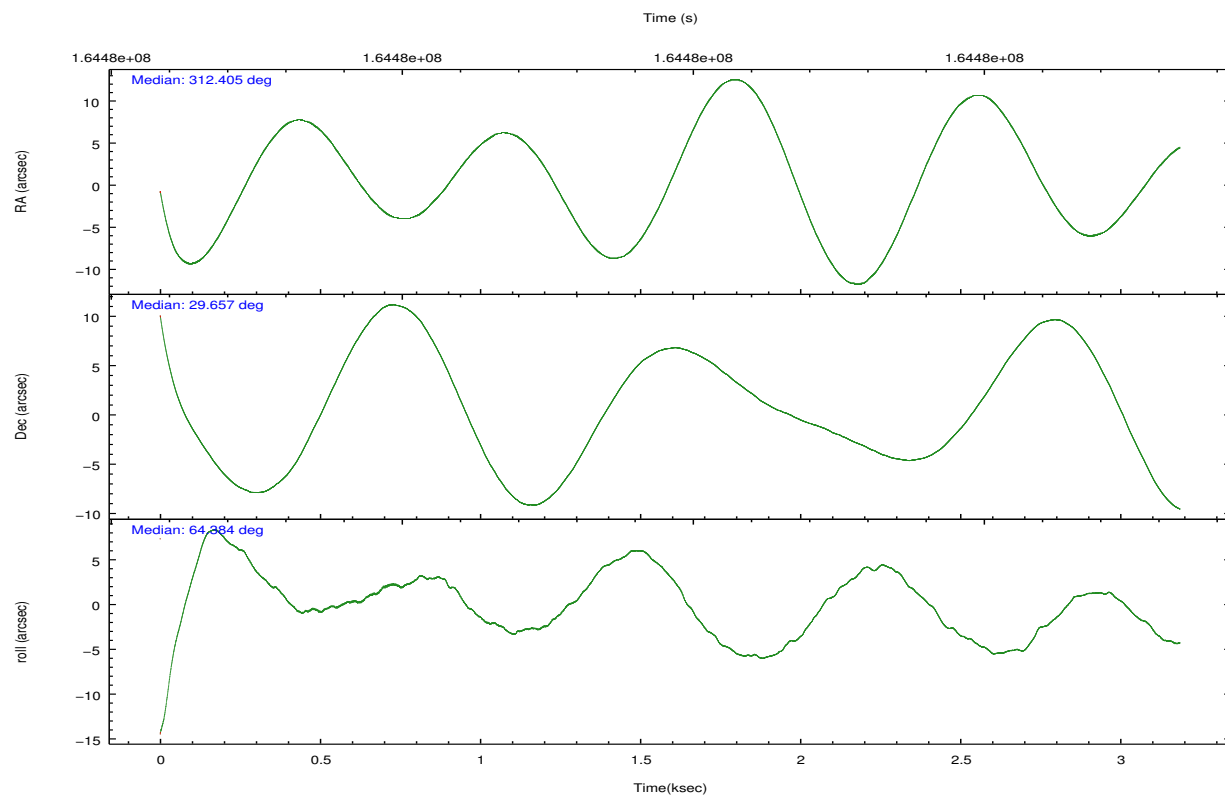
	<b>ccd 7</b>
grade 0 events	3340
	13%
grade 1 events	12
	0%
grade 2 events	3208
	13%
grade 3 events	1544
	6%
grade 4 events	1497
	6%
grade 5 events	1653
	6%
grade 6 events	5567
	22%
grade 7 events	7638
	31%

## 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	312.408068	312.4051474983669	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	29.629893	29.65697572835819	Subarray start row	257	257
[deg] Pointing Roll	64.228450	64.38646346502451	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	164481485.184000	164480470.22409			
Observation start date	2003-03-19T17:17:01	2003-03-19T17:01:10			
[s] Observation end time (MET)	164484514.184000	164484655.29926			
Observation end date	2003-03-19T18:07:30	2003-03-19T18:10:55			
Read mode	TIMED	TIMED			

## 2.3 Aspect





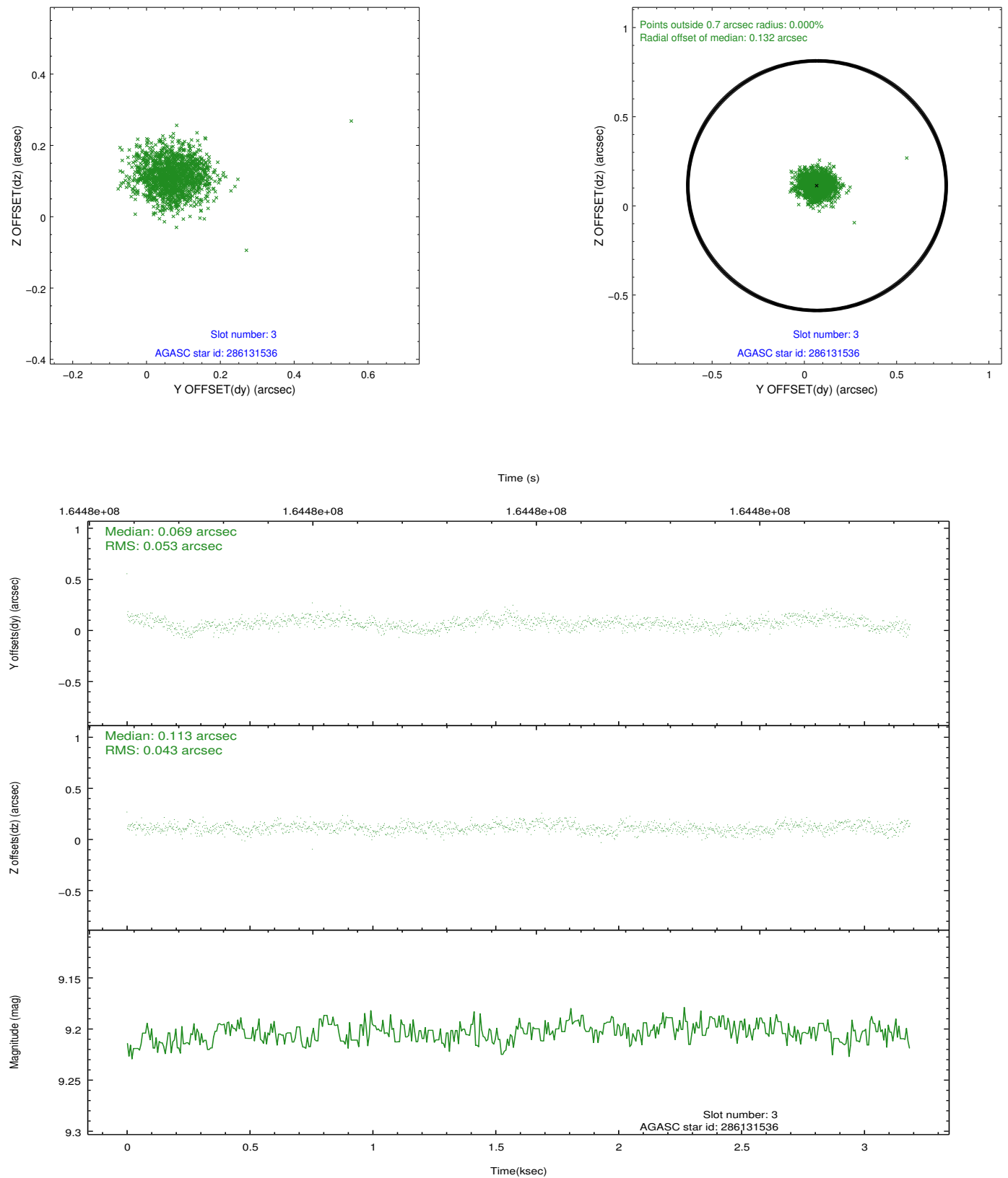
### Slot Statistics

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	778	-0.015	-0.013	0.007	0.011	0.000000	0.000000	-755.55	-1729.48
1	FID	ACIS-S-4	7.20	778	-0.002	0.011	0.006	0.010	0.000000	0.000000	2156.84	176.96
2	FID	ACIS-S-5	7.24	778	-0.014	0.012	0.007	0.011	0.000000	0.000000	-1805.82	172.92
3	GUIDE	286131536	9.20	1554	0.069	0.113	0.073	0.114	312.205001	29.193835	-1690.25	-107.65
4	GUIDE	286142008	8.01	1555	0.011	-0.176	0.058	0.099	311.947982	29.637936	-598.13	1309.86
5	GUIDE	352344656	9.01	1554	-0.004	0.050	0.099	0.160	312.982430	30.067103	2199.45	-924.53
6	GUIDE	352346616	10.02	1555	-0.048	0.082	0.145	0.223	313.060615	30.019446	2154.20	-1220.10
7	GUIDE	352209344	9.82	1554	-0.014	-0.062	0.128	0.209	312.188961	30.436555	2321.70	1874.53

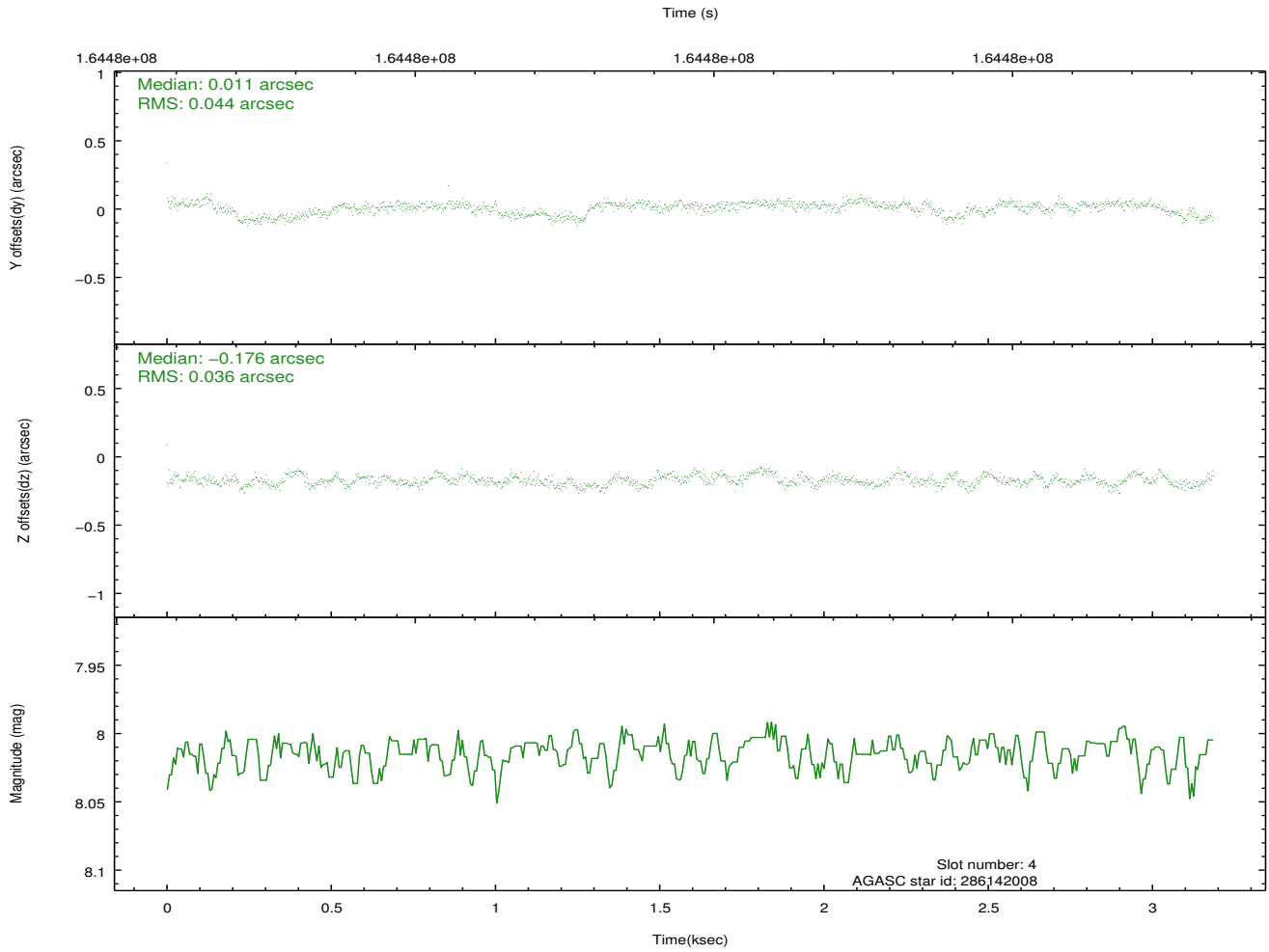
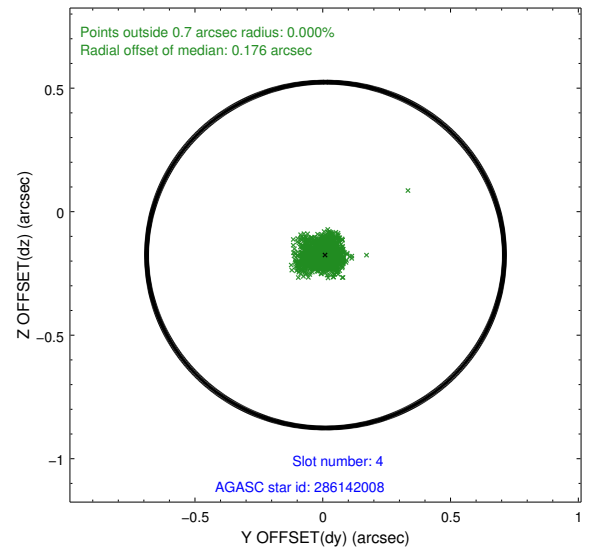
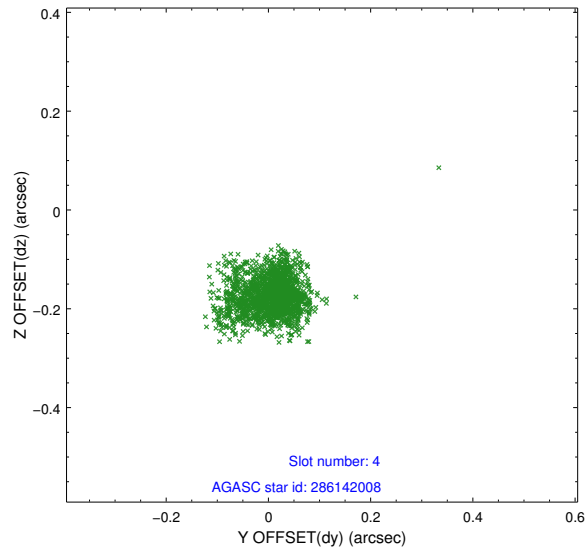


## 2.4 Star Slots

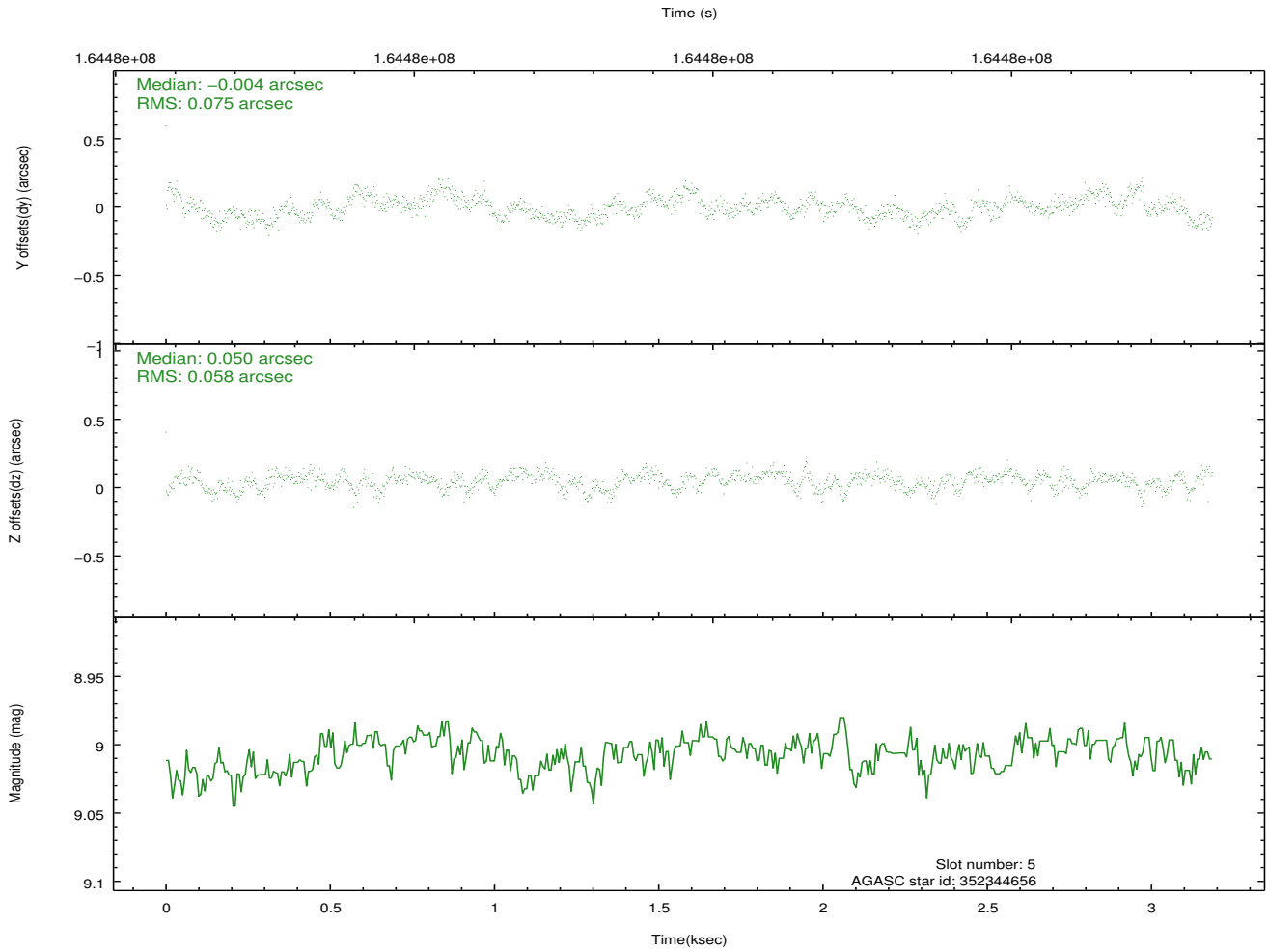
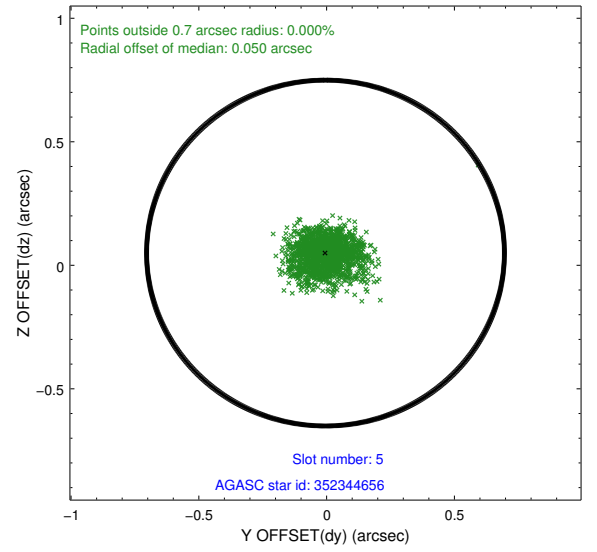
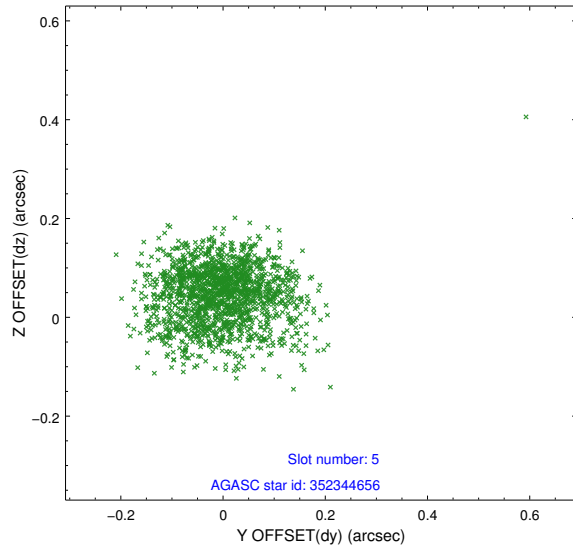
### 2.4.1 Slot 3



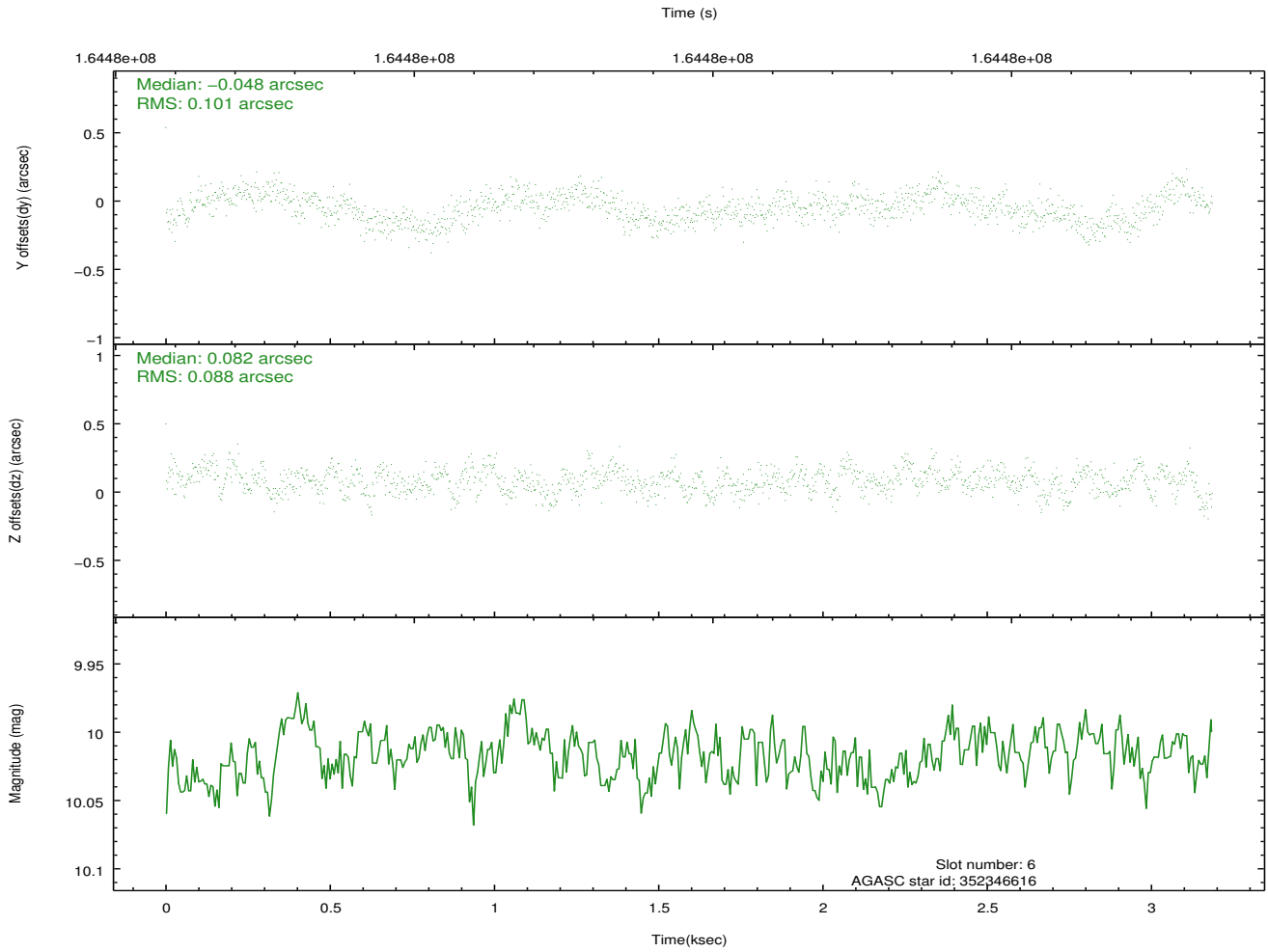
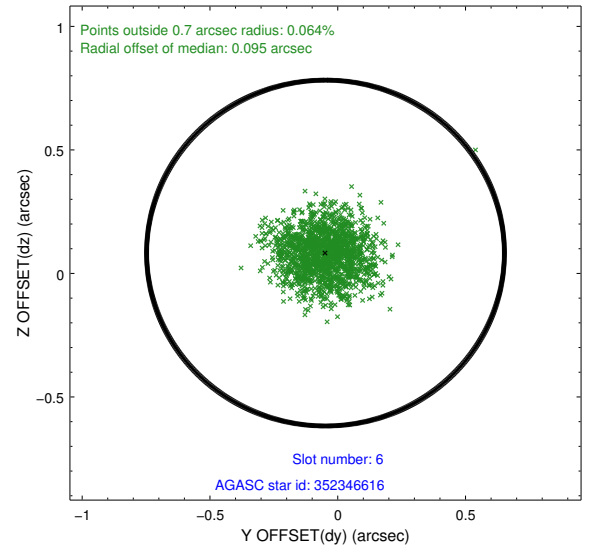
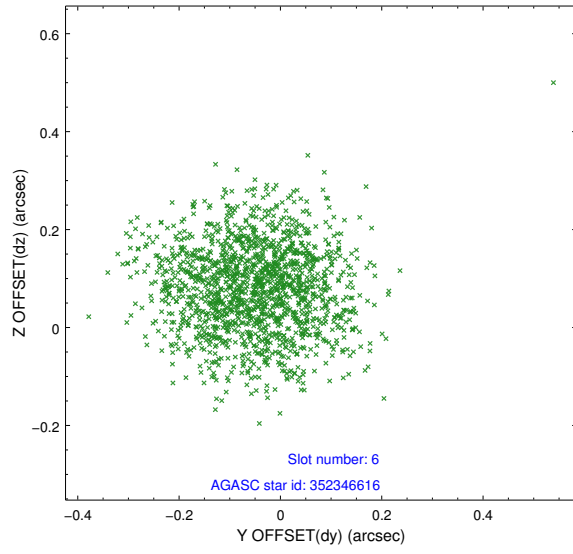
## 2.4.2 Slot 4



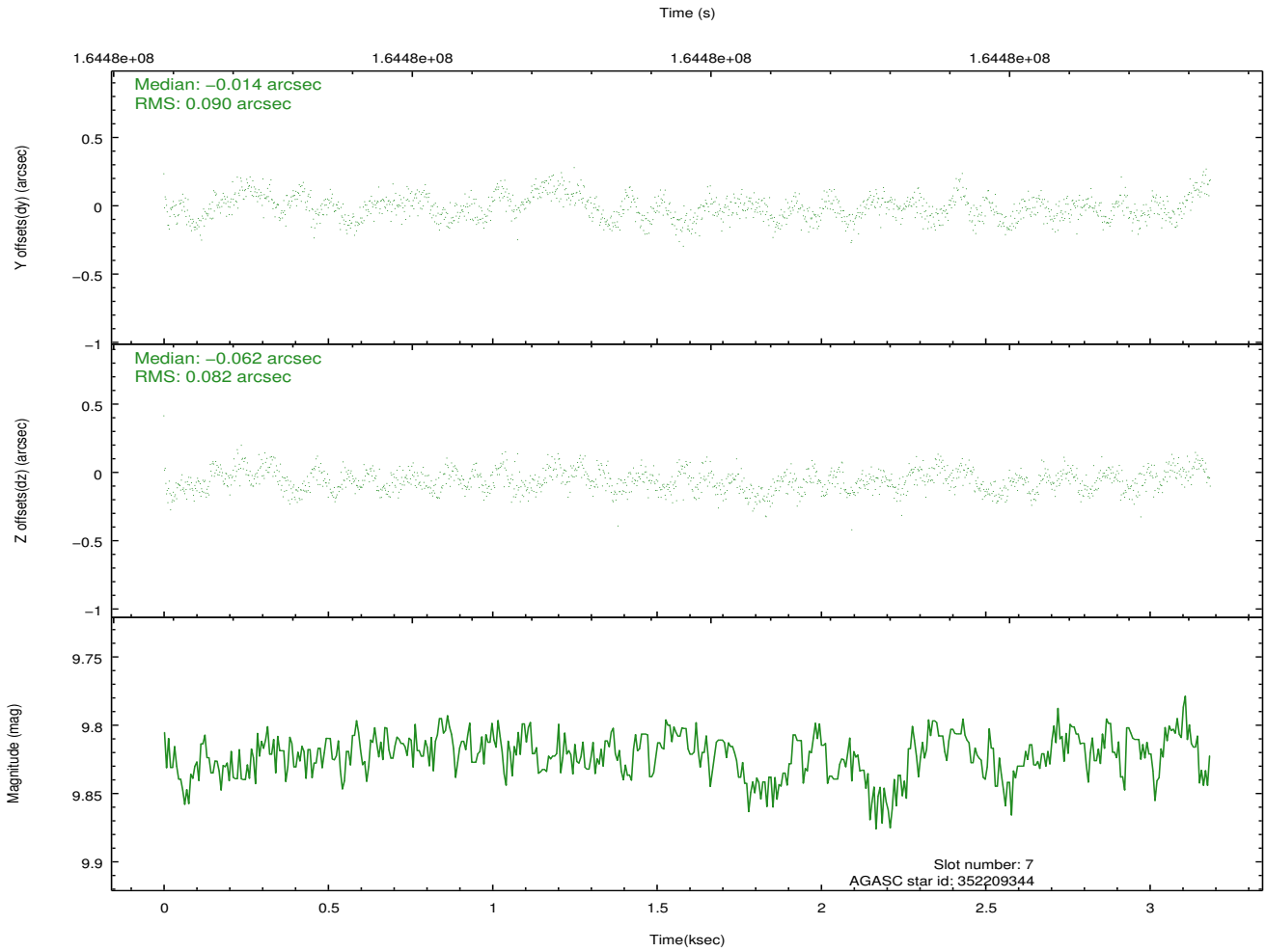
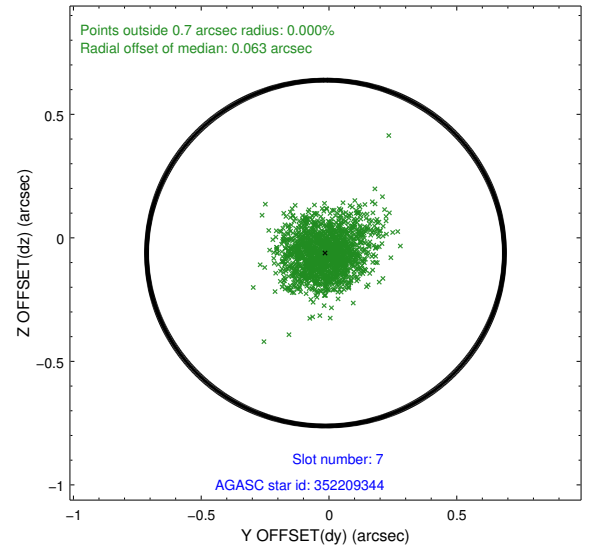
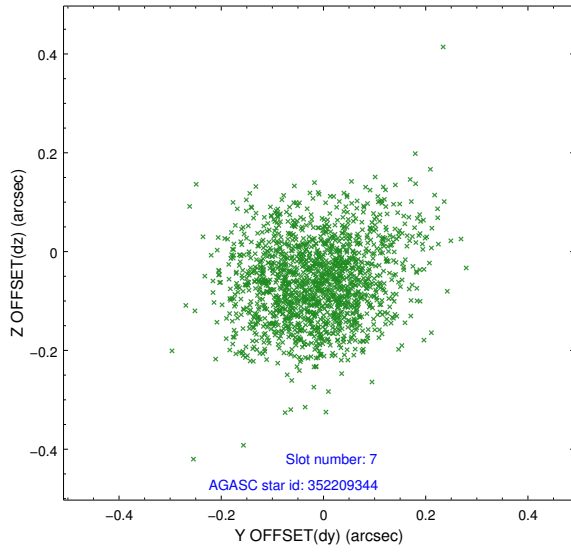
### 2.4.3 Slot 5



## 2.4.4 Slot 6

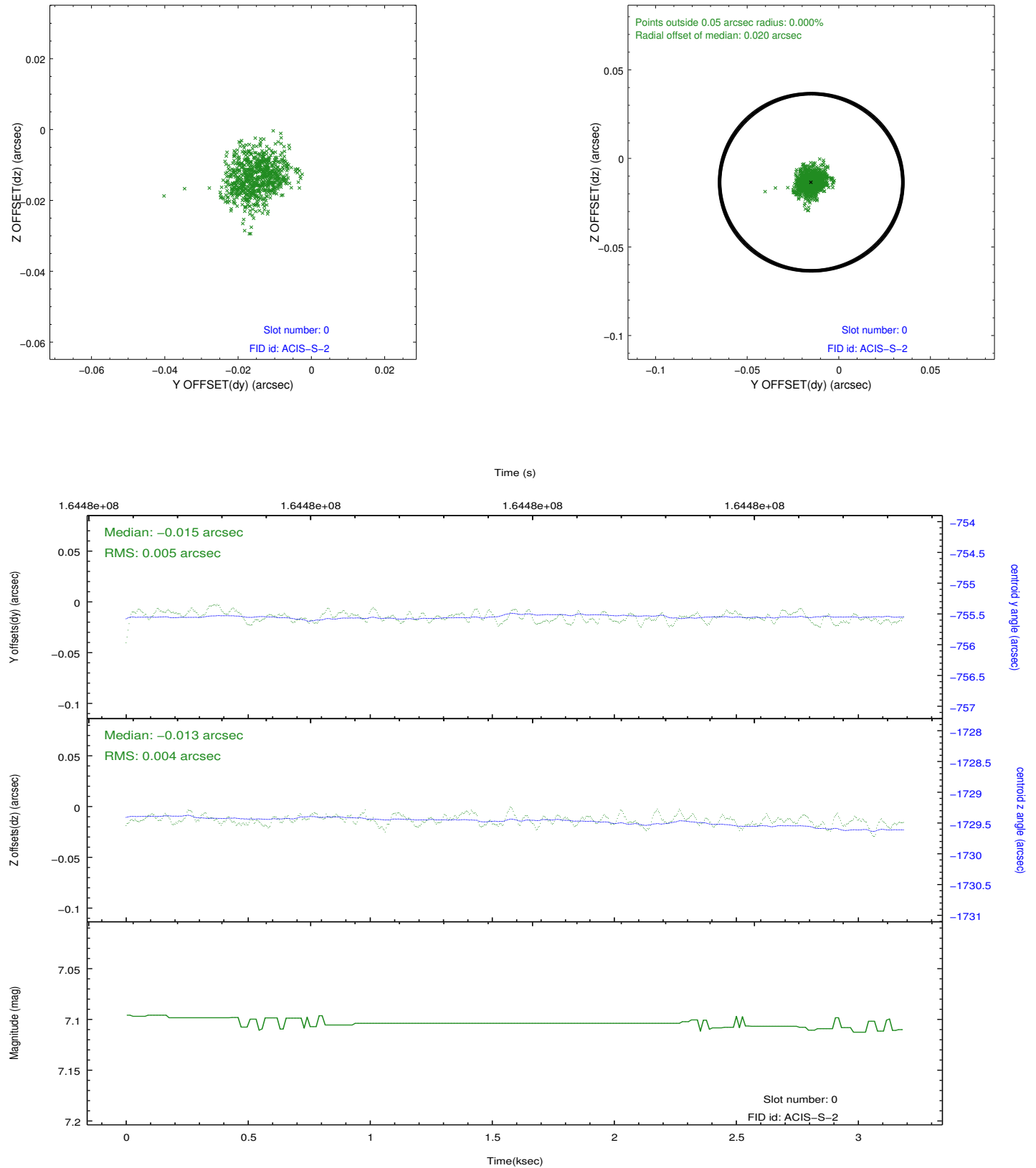


## 2.4.5 Slot 7

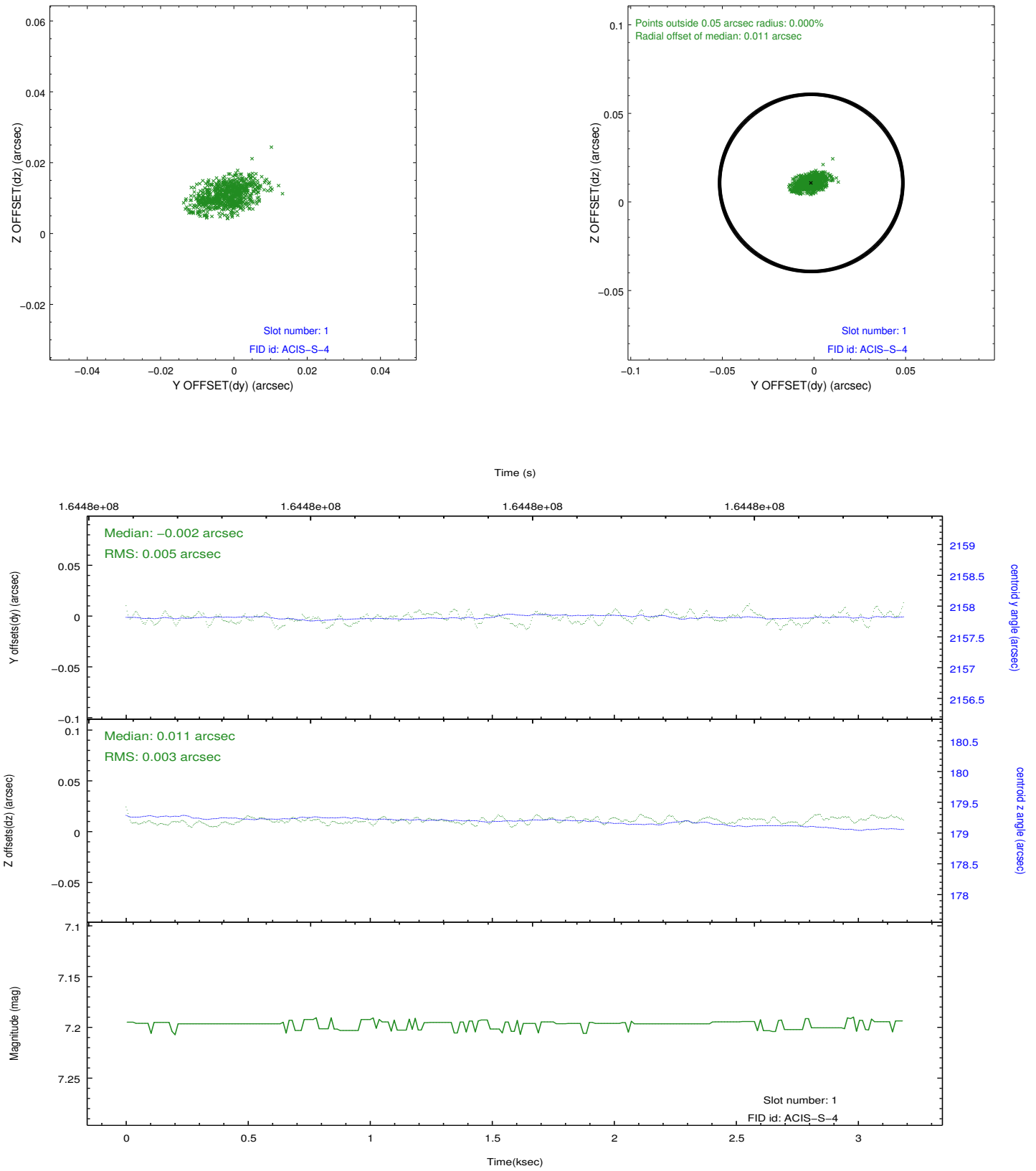


## 2.5 FID Slots

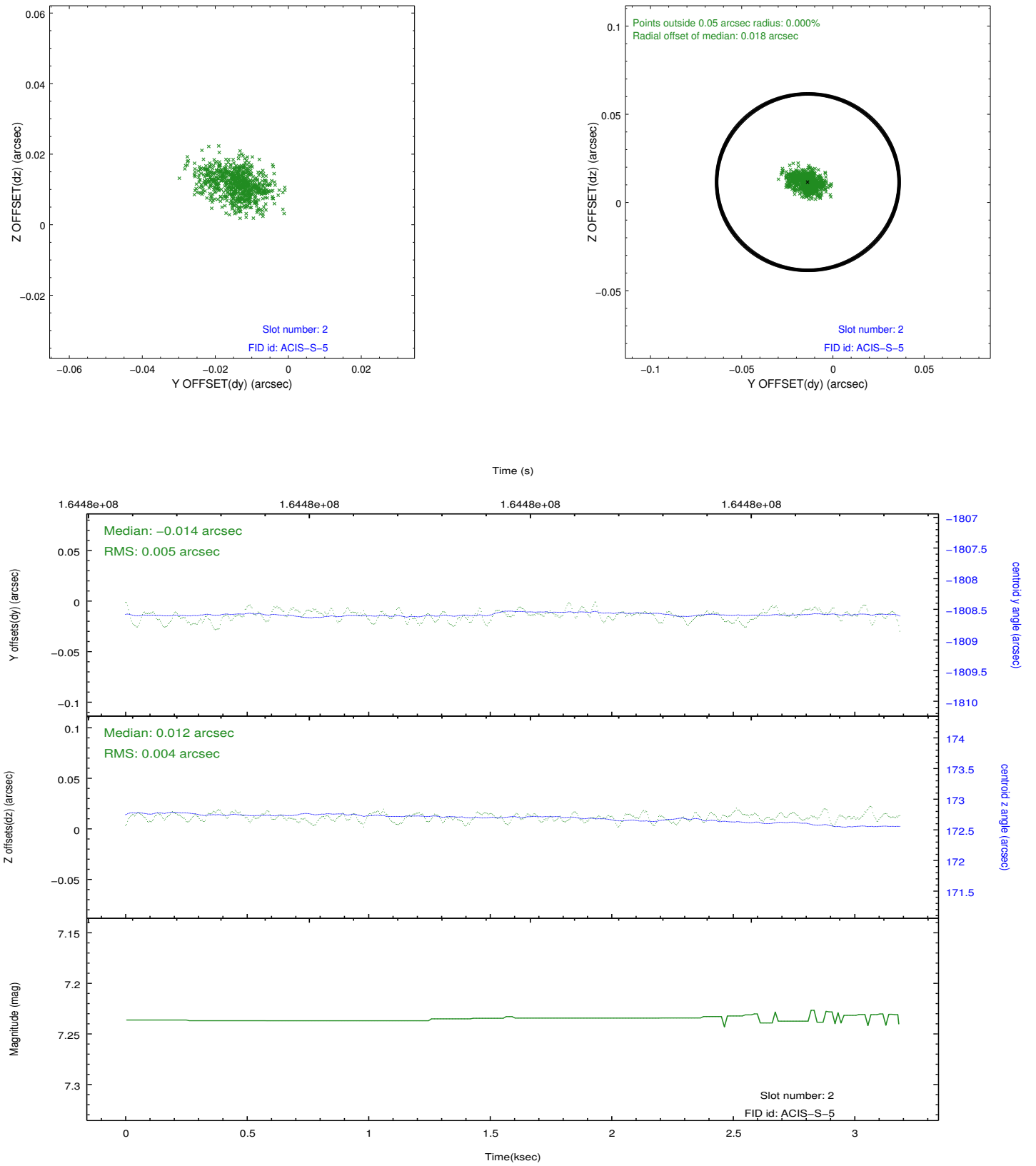
### 2.5.1 Slot 0



## 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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.184

### A.2 Comments