

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3300 - L2 Version 3  
Chandra X-Ray Center

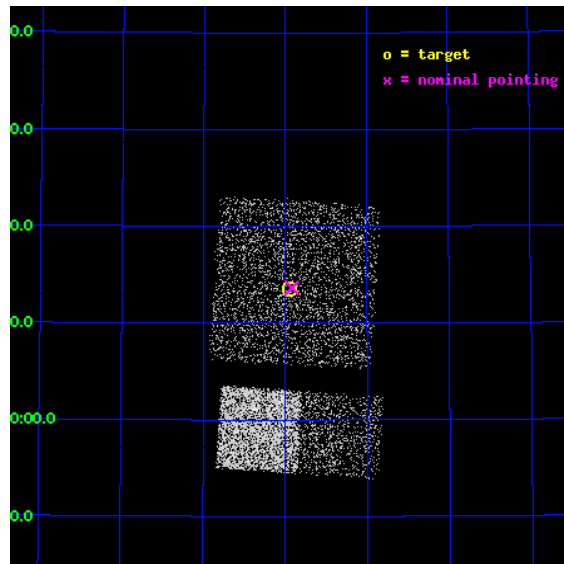
L2 Processing Date : Oct 8 2012

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# 1 Front

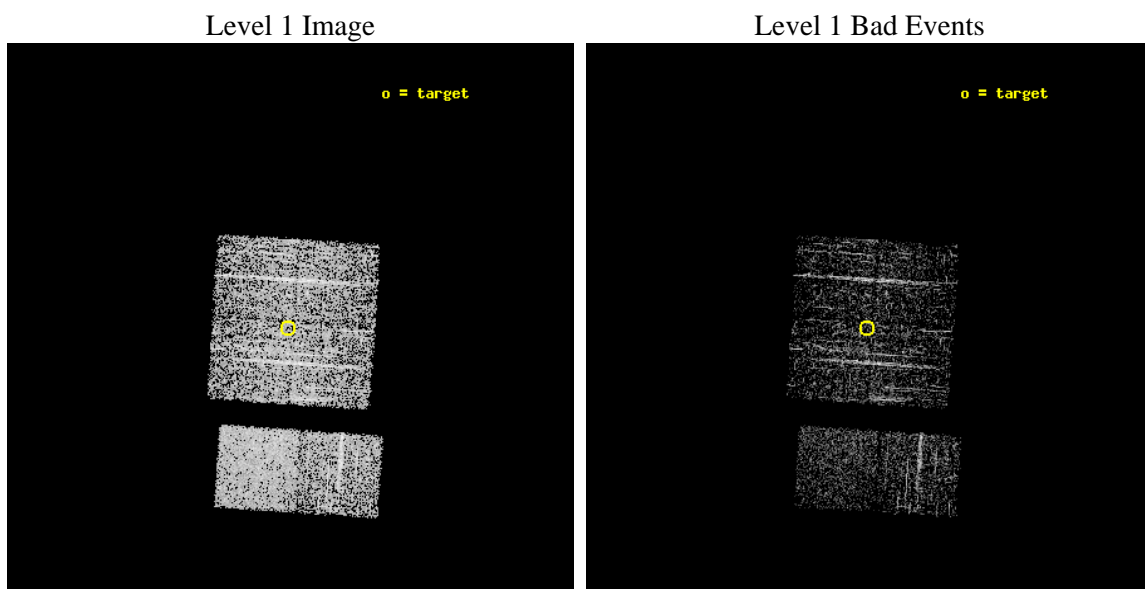
seq_num	900139	Sequence number
obs_id	3300	Observation id
title	A CHEAP COMPLETE WIDE BRIGHT SURVEY	Proposal title
observer	DR. FABIO LA FRANCA	Principal investigator
object	H162657	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	246.737917	Observer's specified target RA [deg]
dec_targ	55.226139	Observer's specified target Dec [deg]
ra_nom	246.72993658726	Nominal RA [deg]
dec_nom	55.227548645881	Nominal Dec [deg]
roll_nom	183.81674726178	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1462.3999945521	Sum of GTIs [s]
livetime	1443.8822052696	Livetime [s]
ontime0	1462.3999945521	Sum of GTIs [s]
ontime1	1462.3999945521	Sum of GTIs [s]
ontime2	1462.3999945521	Sum of GTIs [s]
ontime3	1462.3999945521	Sum of GTIs [s]
ontime6	1462.3999945521	Sum of GTIs [s]
ontime7	1462.3999945521	Sum of GTIs [s]
l2events	9859	Number of level 2 events



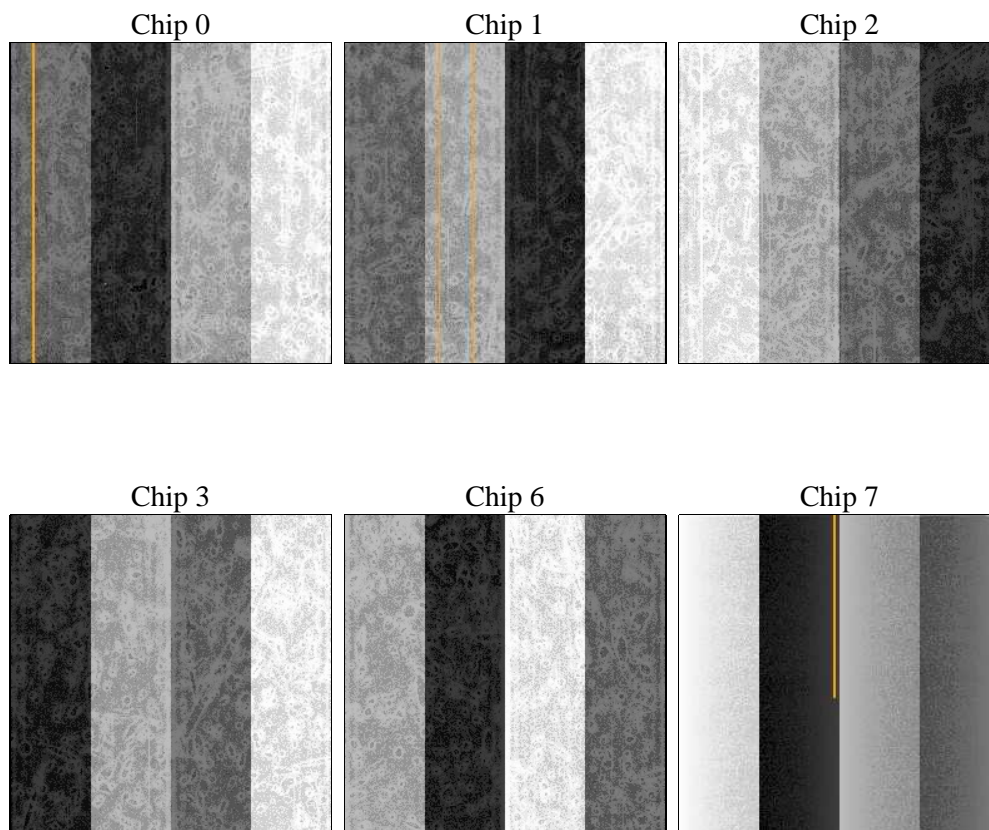
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1462.3999945521	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	1462.3999945521	Sum of GTIs [s]
date	2012-10-08T07:49:42	Date and time of file creation	ontime1	1462.3999945521	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1462.3999945521	Sum of GTIs [s]
			ontime3	1462.3999945521	Sum of GTIs [s]
			ontime6	1462.3999945521	Sum of GTIs [s]
			ontime7	1462.3999945521	Sum of GTIs [s]
			l1events	57465	Number of level 1 events

### 2.1.4 Events

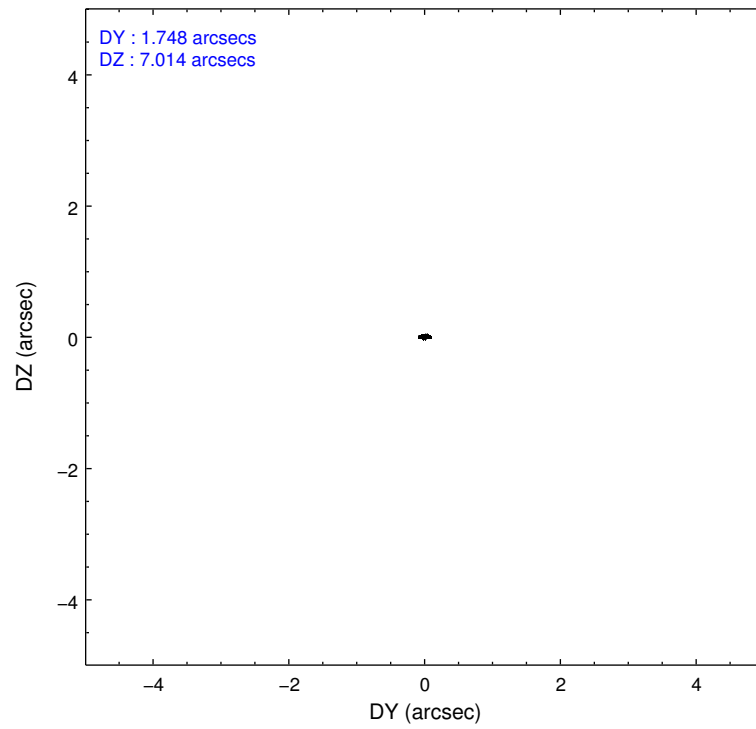
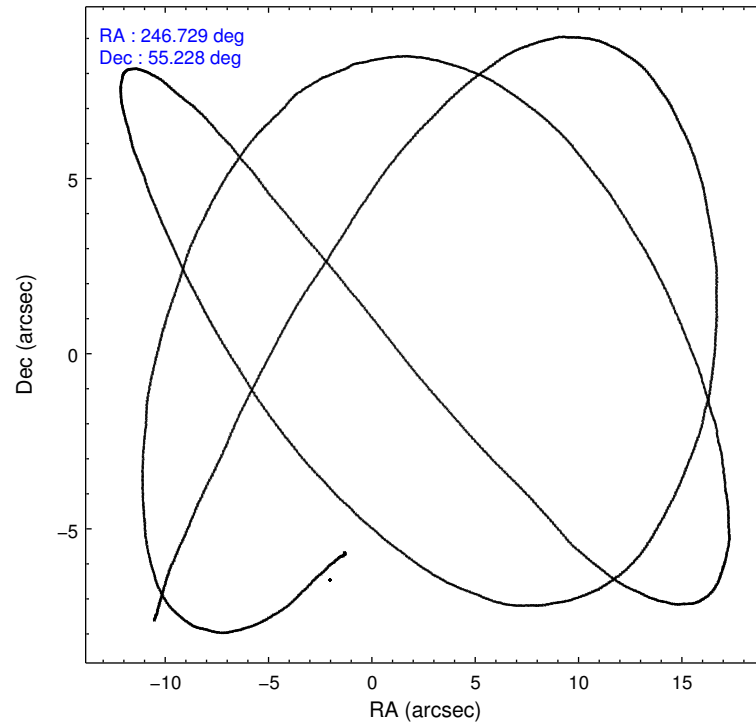
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	8068	8614	9737	9326	9304	12416
rejected events	6994	7436	8628	8258	8183	7238
rejected %	86%	86%	88%	88%	87%	58%

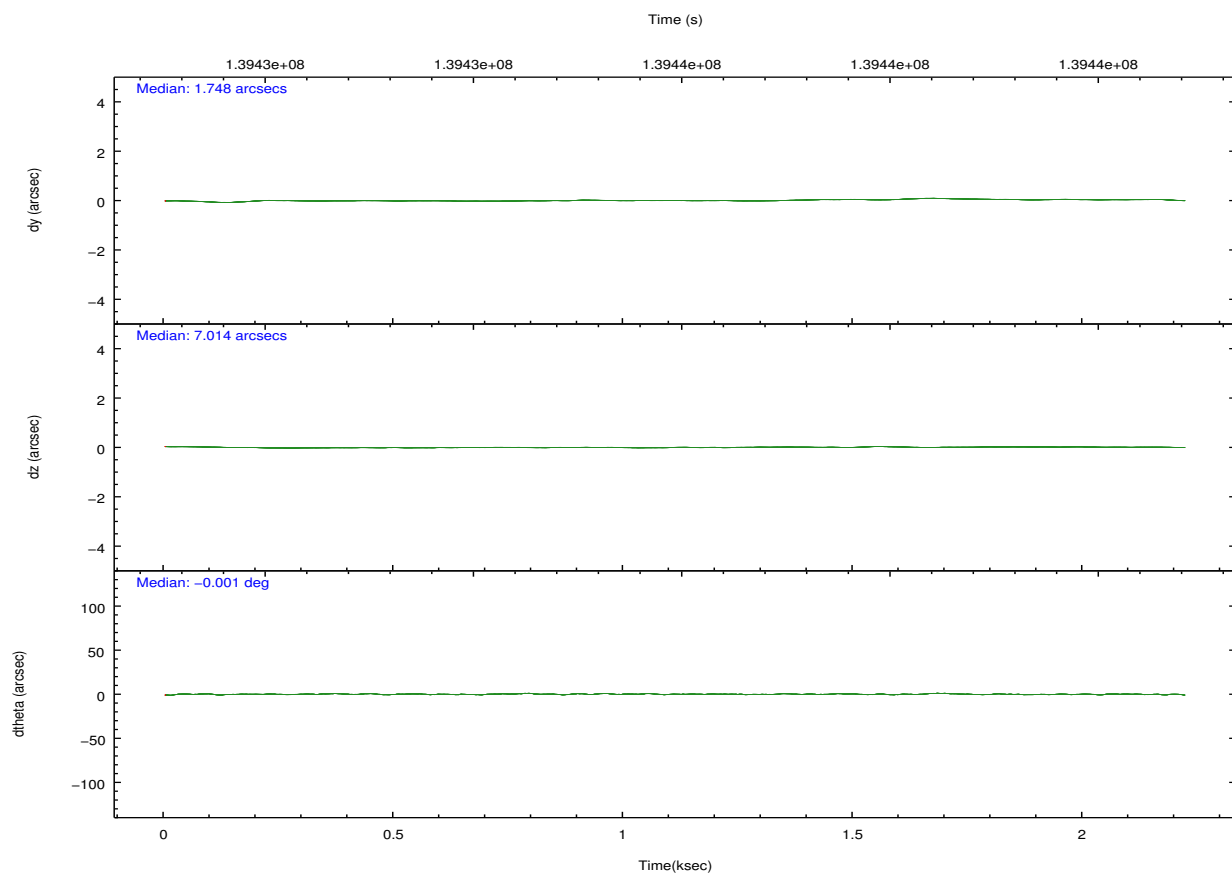
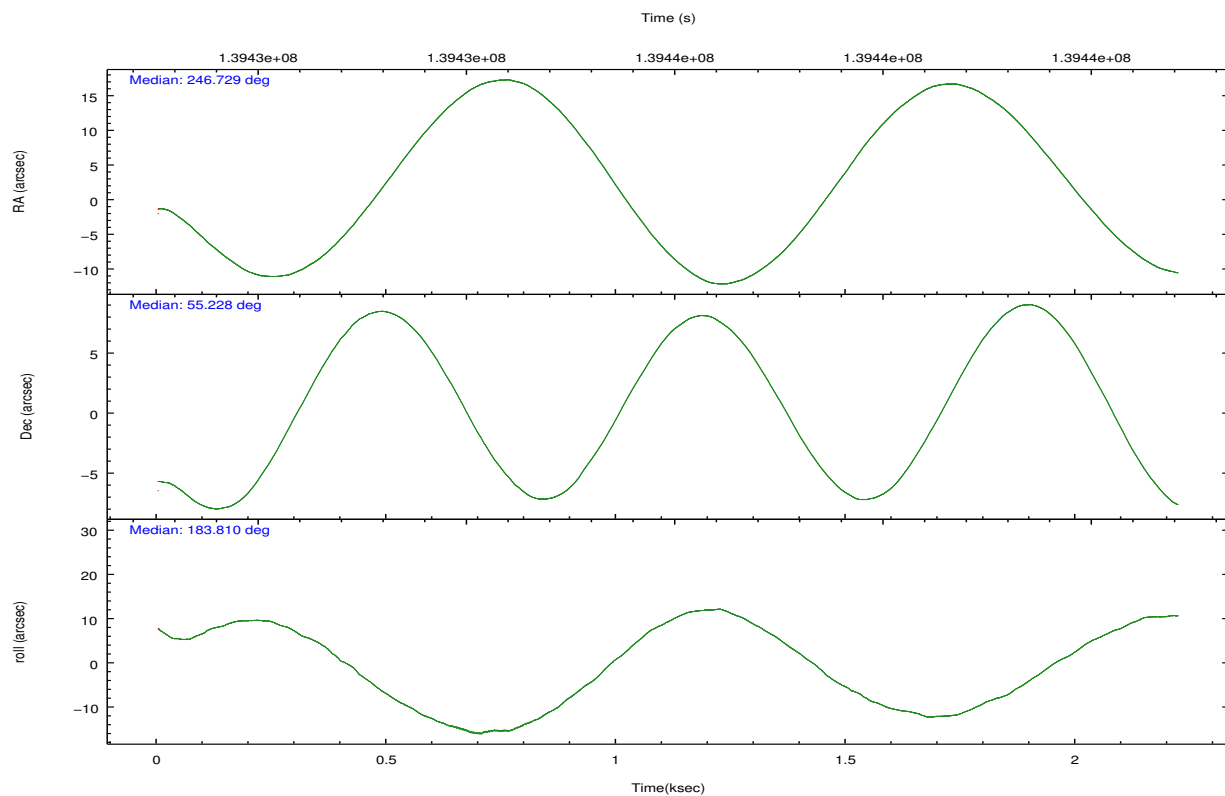
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	466	507	459	471	472	467
	5%	5%	4%	5%	5%	3%
grade 1 events	6	6	3	2	10	11
	0%	0%	0%	0%	0%	0%
grade 2 events	233	254	248	220	211	1035
	2%	2%	2%	2%	2%	8%
grade 3 events	100	115	105	91	119	461
	1%	1%	1%	0%	1%	3%
grade 4 events	99	98	106	108	99	507
	1%	1%	1%	1%	1%	4%
grade 5 events	352	361	363	355	475	1120
	4%	4%	3%	3%	5%	9%
grade 6 events	177	207	195	185	225	2719
	2%	2%	2%	1%	2%	21%
grade 7 events	6635	7066	8258	7894	7693	6096
	82%	82%	84%	84%	82%	49%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	246.770028	246.7299365872606	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.242975	55.22754864588135	Alternating exposures requested	N	N
[deg] Pointing Roll	183.575106	183.8167472617799	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	139434597.184000	139433376.48429			
Observation start date	2002-06-02T19:48:53	2002-06-02T19:29:36			
[s] Observation end time (MET)	139436097.184000	139436947.58443			
Observation end date	2002-06-02T20:13:53	2002-06-02T20:29:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect





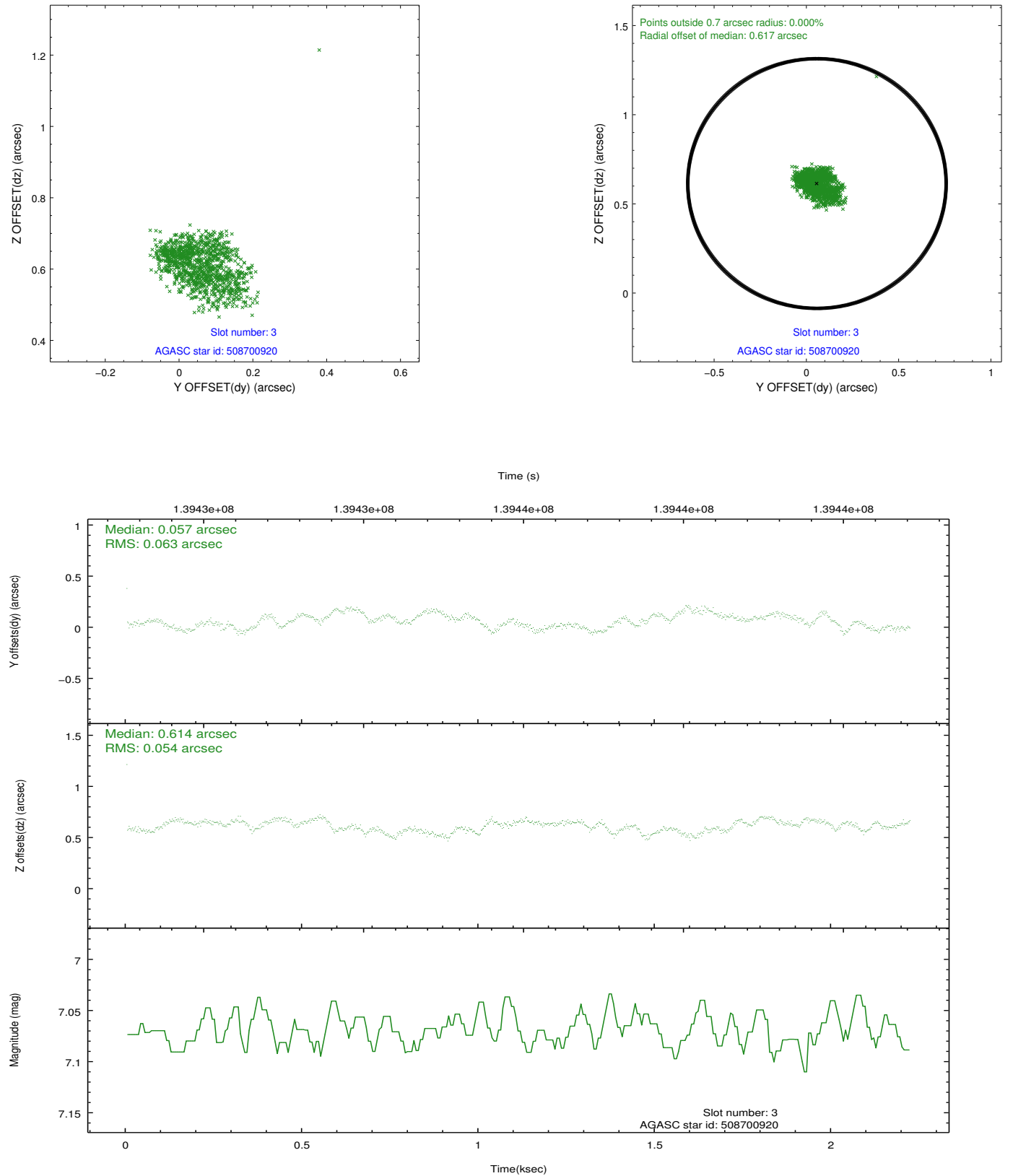
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	542	-0.009	0.028	0.007	0.011	0.000000	0.000000	938.04	-830.40
1	FID	ACIS-I-5	7.24	542	-0.044	0.046	0.006	0.011	0.000000	0.000000	-1808.41	1065.72
2	FID	ACIS-I-6	7.26	542	-0.038	-0.005	0.007	0.011	0.000000	0.000000	400.45	1713.44
3	GUIDE	508700920	7.07	1084	0.057	0.614	0.088	0.134	246.072674	55.331971	1404.03	-414.70
4	GUIDE	508708520	9.15	1083	0.034	-0.146	0.084	0.137	247.335450	55.556668	-1219.15	-1060.22
5	GUIDE	508708472	9.49	1083	-0.227	-0.172	0.111	0.175	246.491701	55.895907	412.18	-2382.80
6	GUIDE	508300744	9.36	1083	0.056	-0.175	0.204	0.289	246.683019	54.823514	273.64	1493.86
7	GUIDE	508297608	9.56	1083	0.083	-0.102	0.110	0.176	245.720110	54.766155	2281.60	1562.98

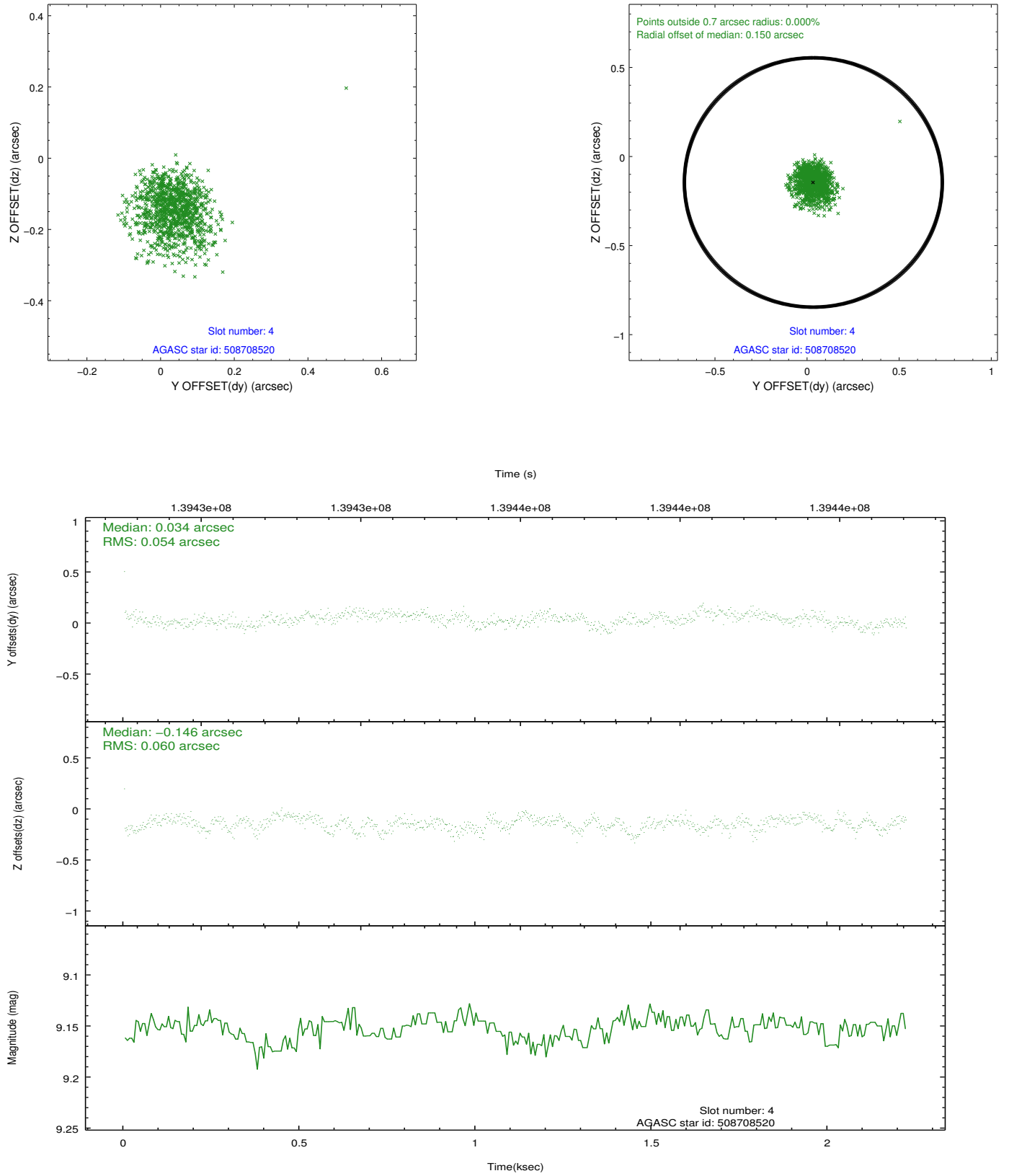


## 2.4 Star Slots

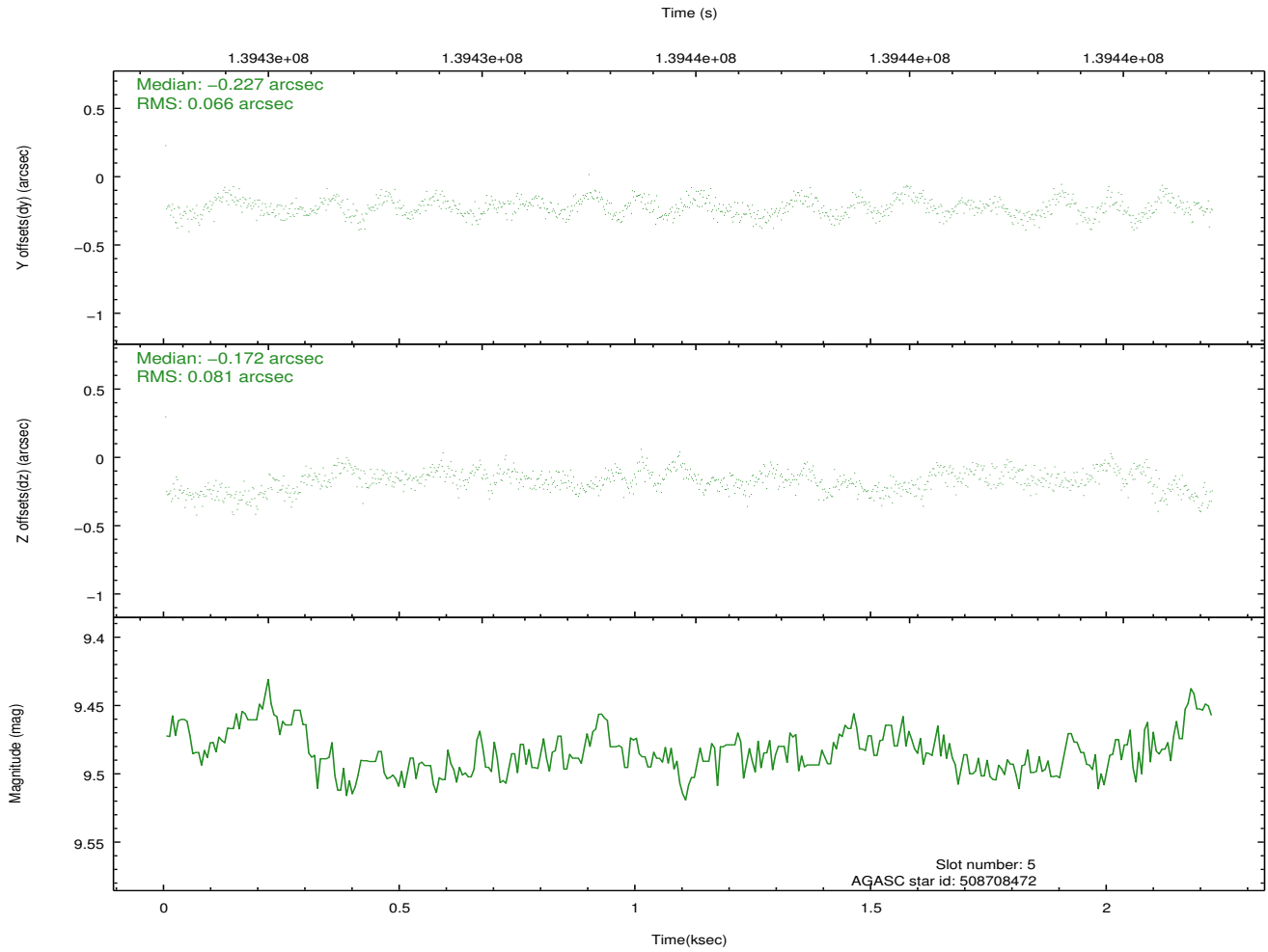
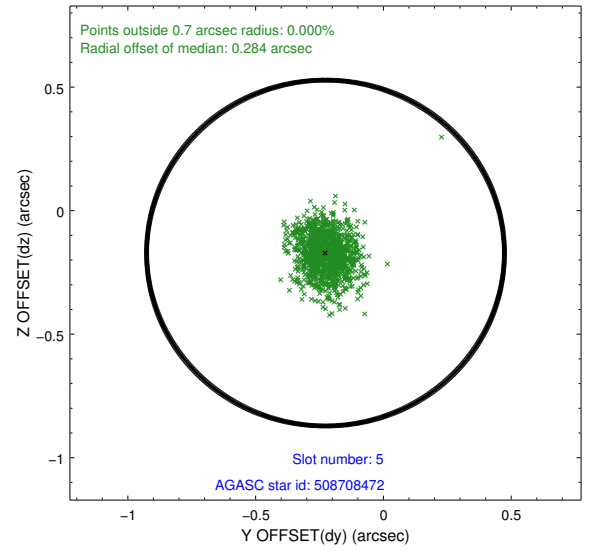
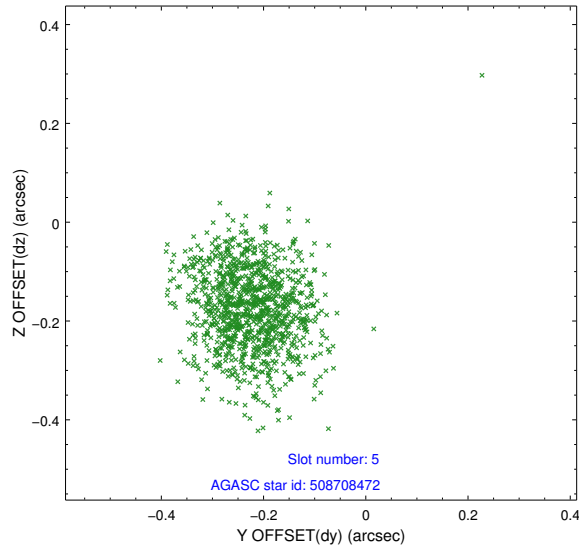
### 2.4.1 Slot 3



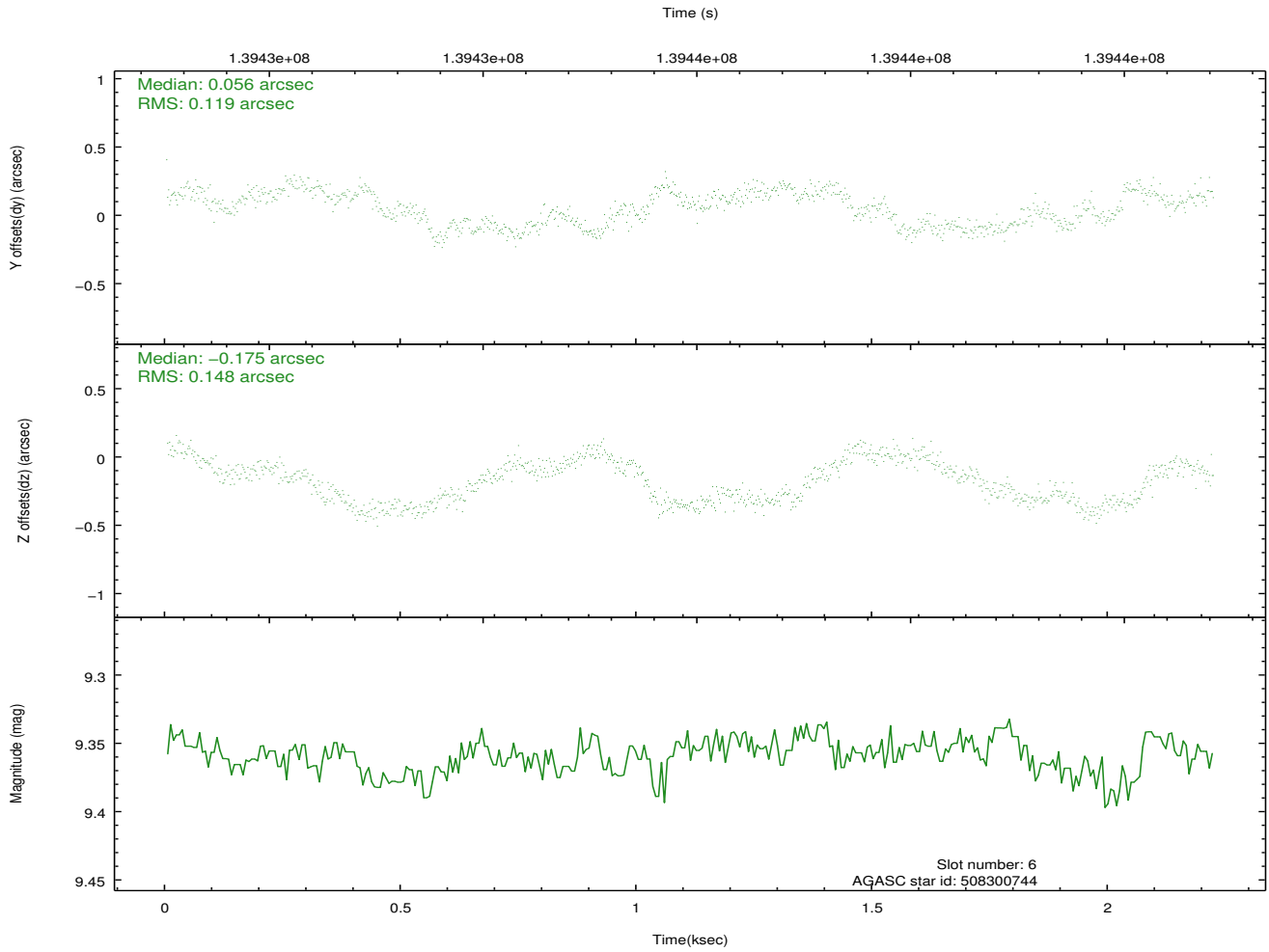
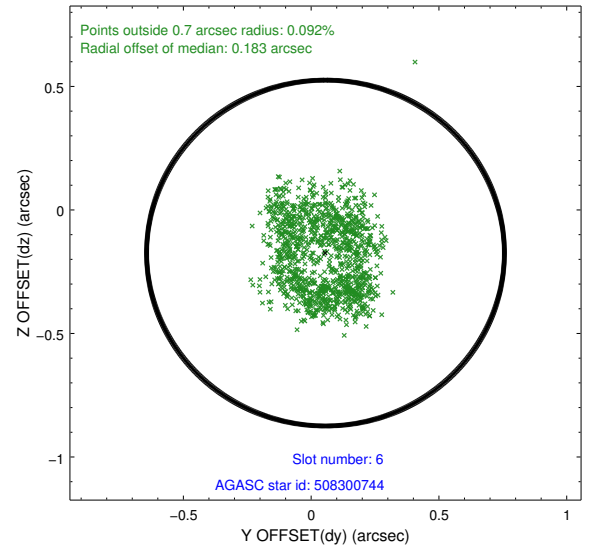
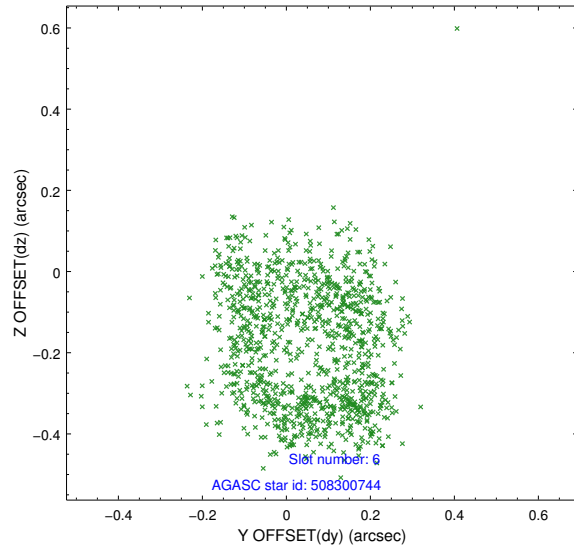
## 2.4.2 Slot 4



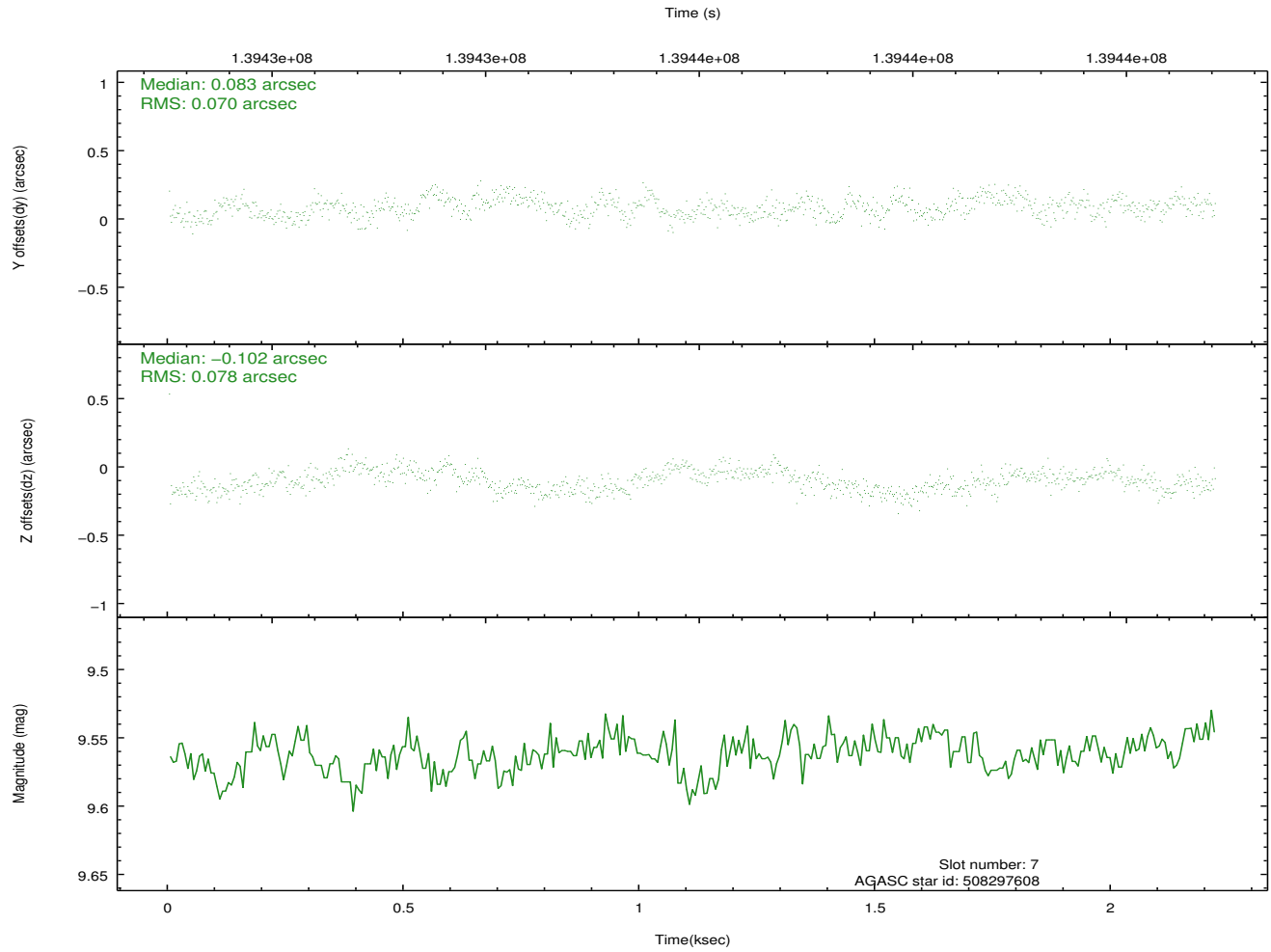
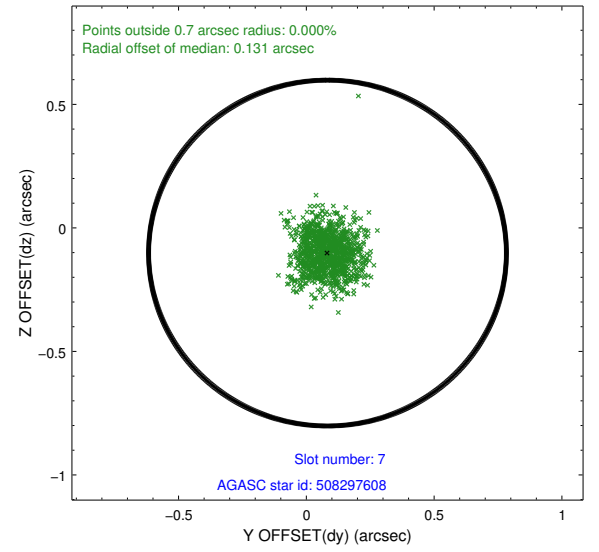
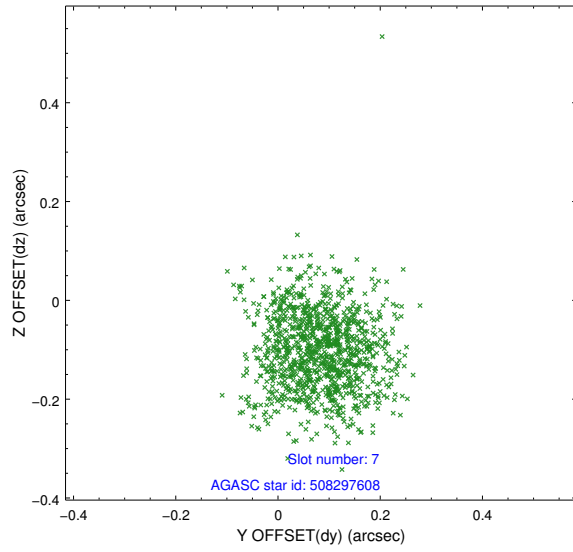
### 2.4.3 Slot 5



## 2.4.4 Slot 6

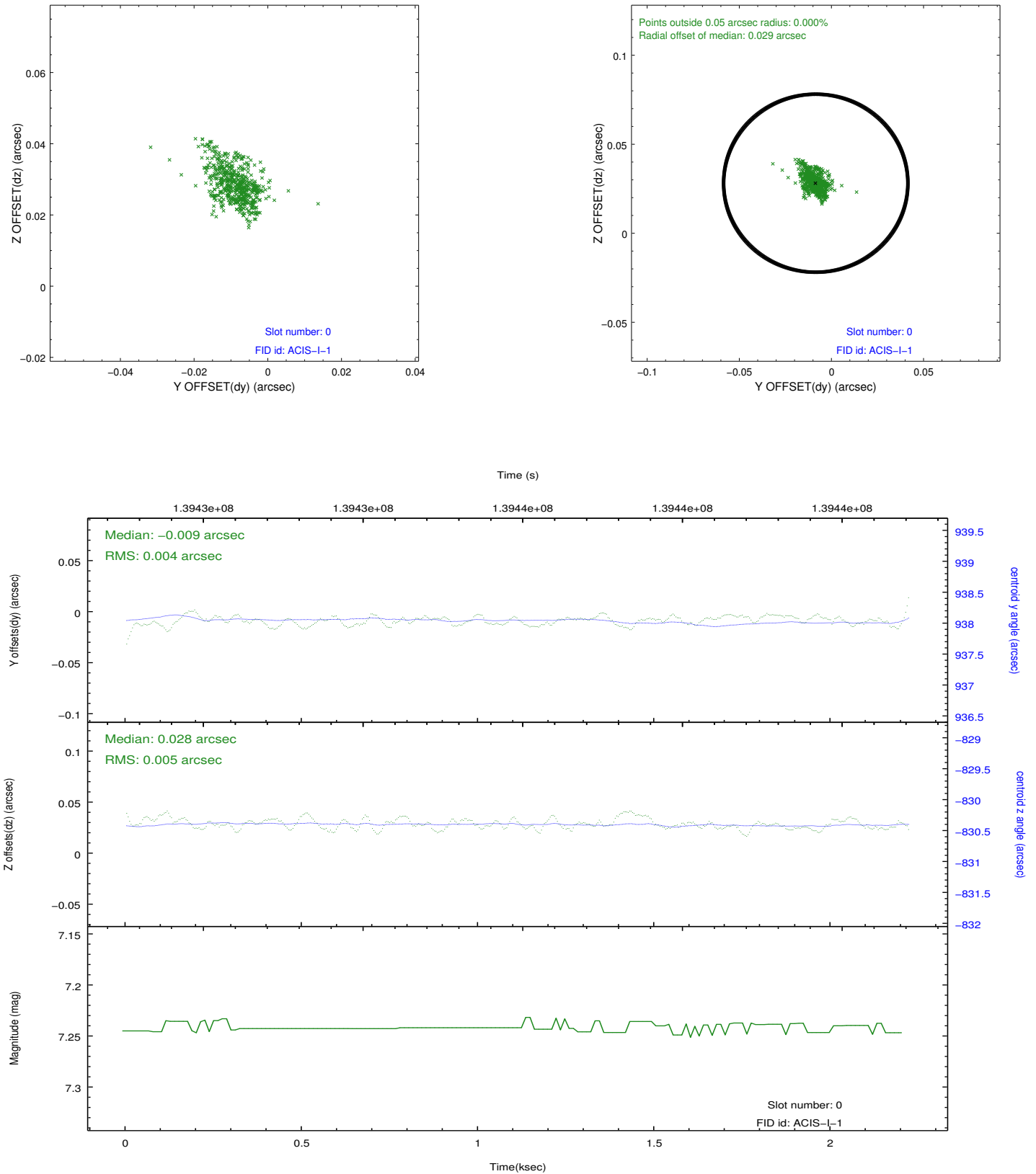


## 2.4.5 Slot 7

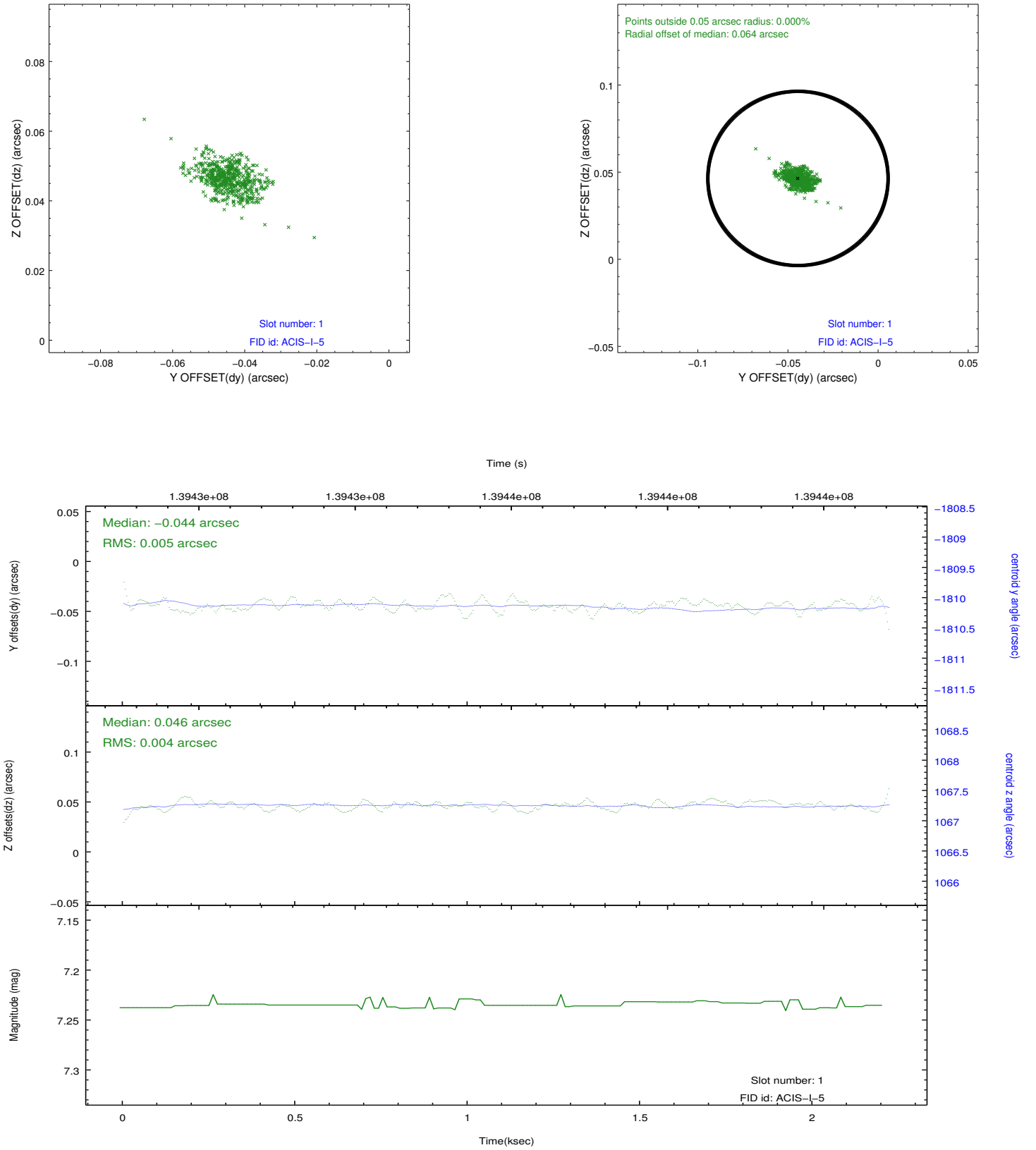


## 2.5 FID Slots

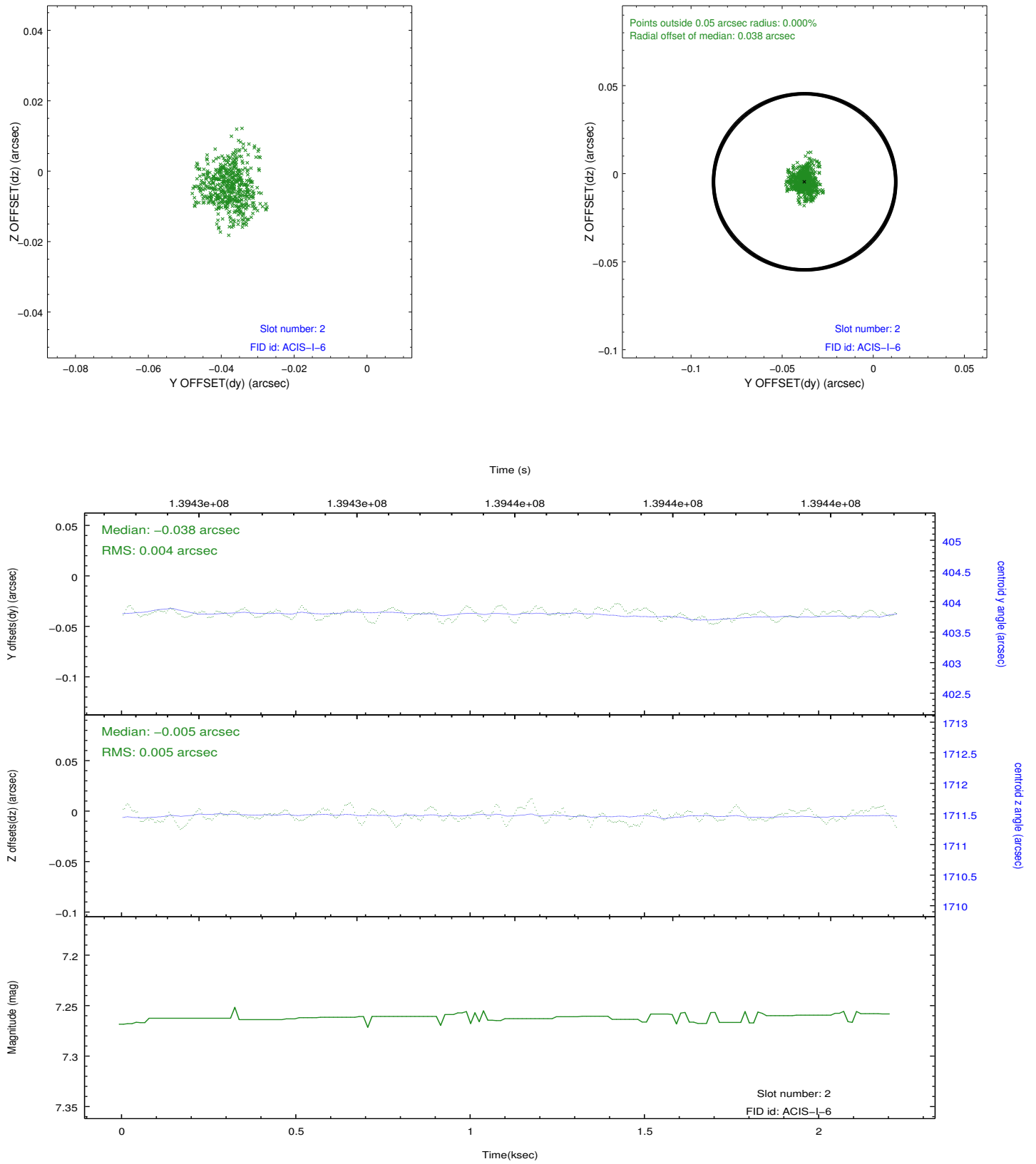
### 2.5.1 Slot 0



## 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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.465

### A.2 Comments