

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9986 - L2 Version 2  
Chandra X-Ray Center

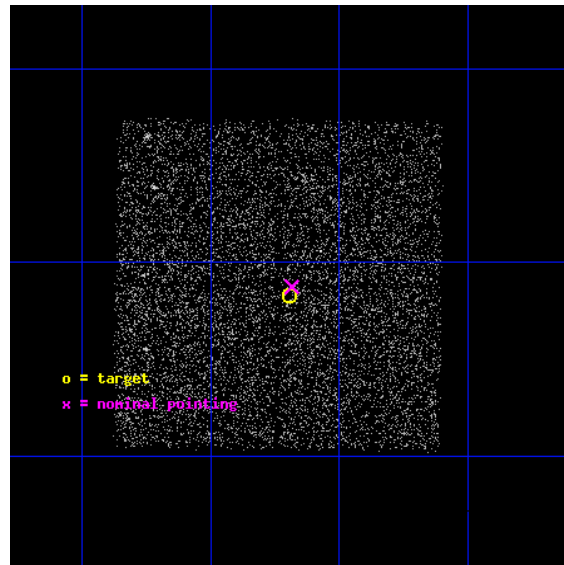
L2 Processing Date : Jun 1 2012

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# 1 Front

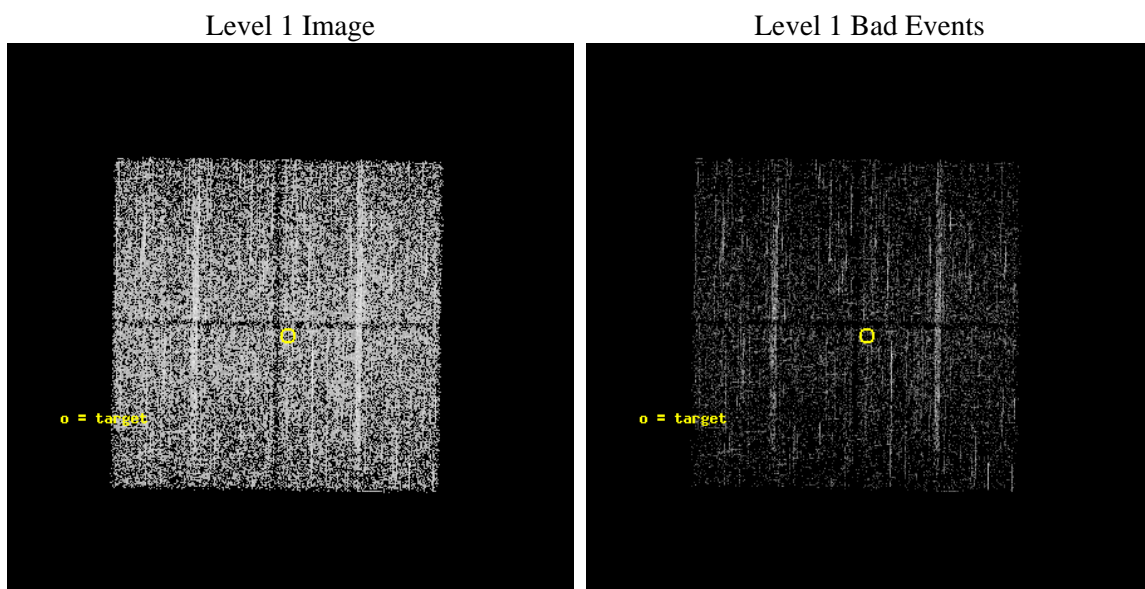
seq_num	400950	Sequence number
obs_id	9986	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.048875	Observer's specified target RA [deg]
dec_targ	-26.195833	Observer's specified target Dec [deg]
ra_nom	266.04603557155	Nominal RA [deg]
dec_nom	-26.187984523528	Nominal Dec [deg]
roll_nom	90.747619821312	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2185.5000168085	Sum of GTIs [s]
livetime	2156.9448501472	Livetime [s]
ontime0	2185.5000168085	Sum of GTIs [s]
ontime1	2182.3590265512	Sum of GTIs [s]
ontime2	2185.5000168085	Sum of GTIs [s]
ontime3	2185.5000168085	Sum of GTIs [s]
l2events	10586	Number of level 2 events



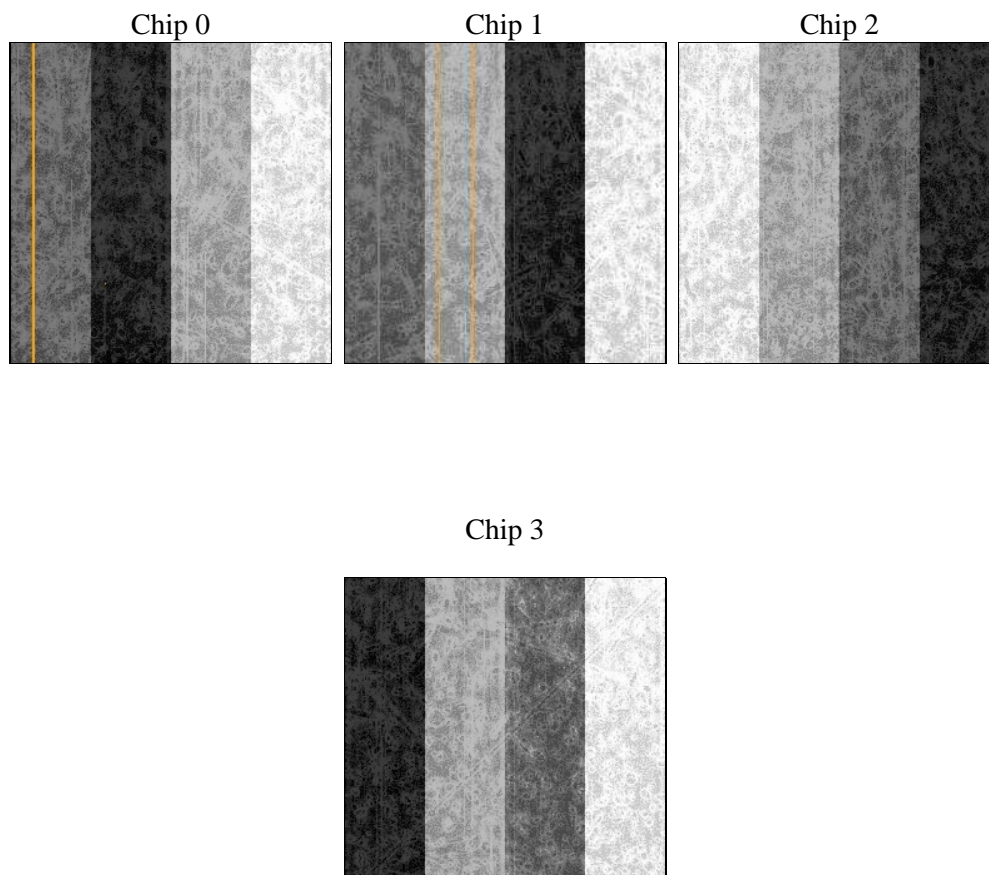
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2185.5000168085	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	2185.5000168085	Sum of GTIs [s]
date	2012-06-01T08:02:41	Date and time of file creation	ontime1	2182.3590265512	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2185.5000168085	Sum of GTIs [s]
			ontime3	2185.5000168085	Sum of GTIs [s]
			l1events	100554	Number of level 1 events

### 2.1.4 Events

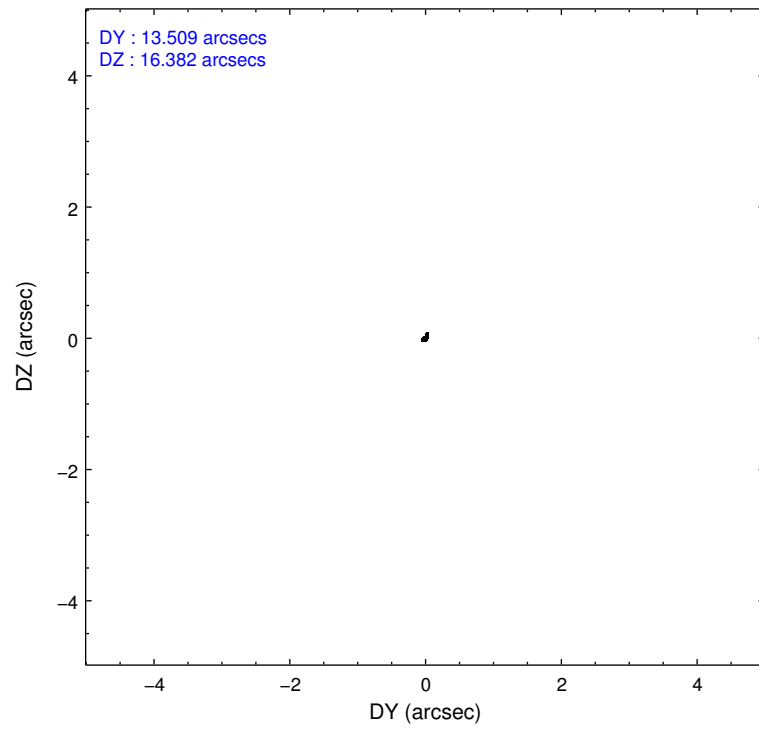
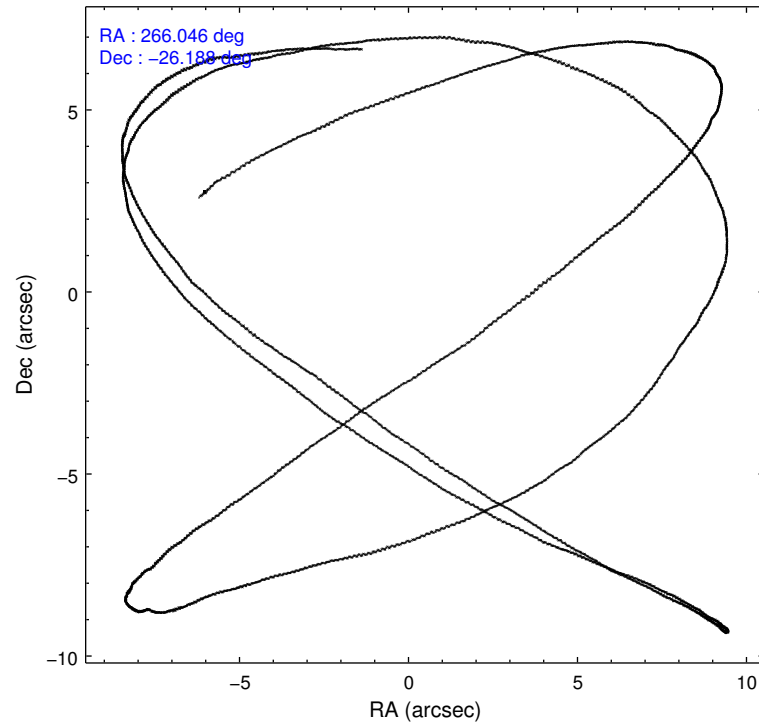
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	25154	24193	25716	25491
rejected events	22083	20941	22692	22594
rejected %	87%	86%	88%	88%

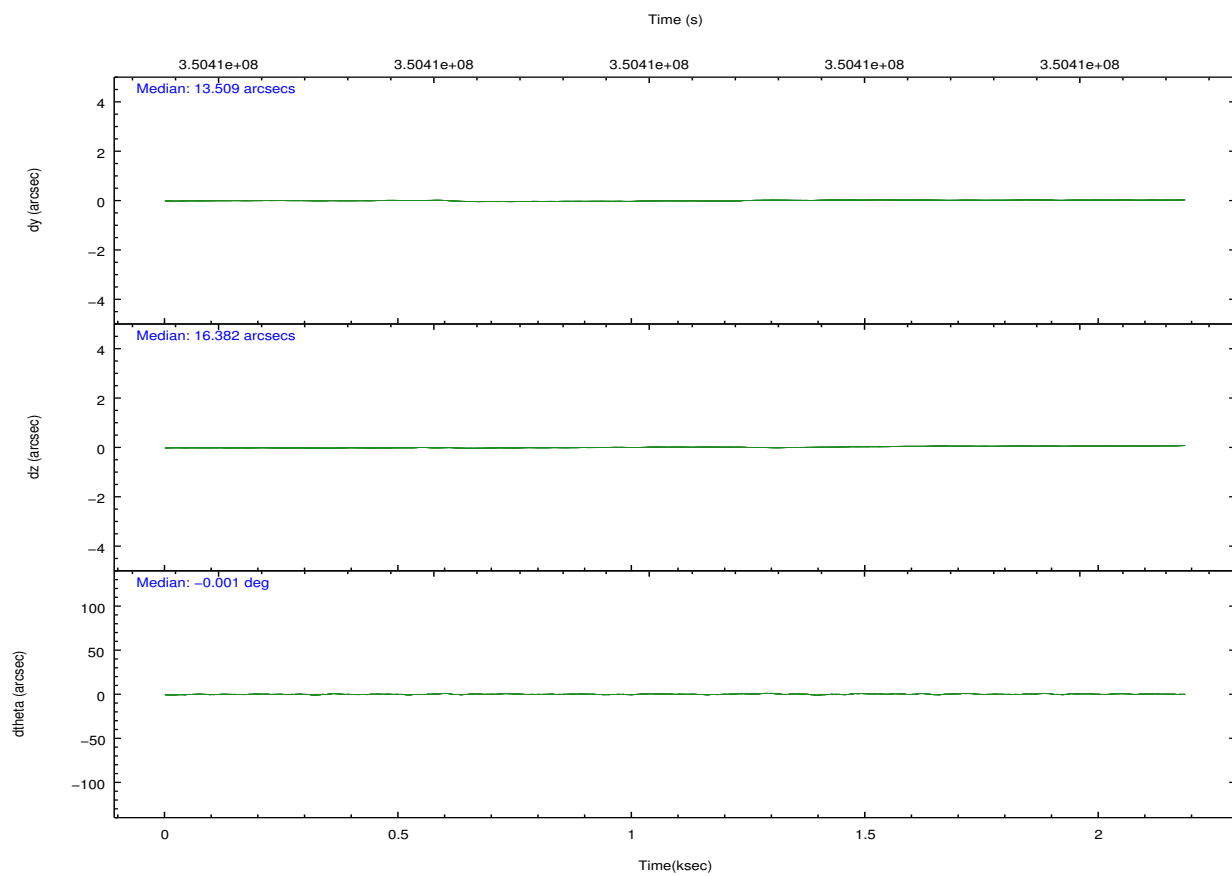
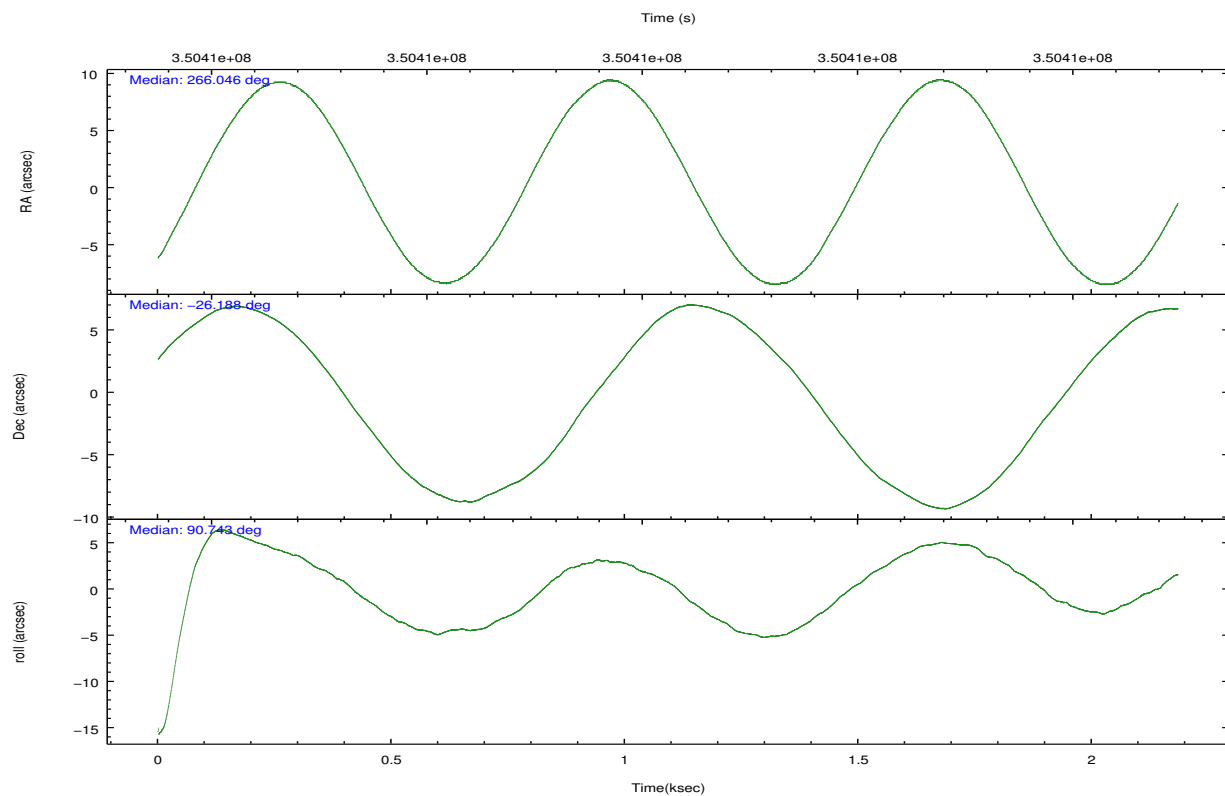
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1566	1566	1661	1509
	6%	6%	6%	5%
grade 1 events	18	6	17	23
	0%	0%	0%	0%
grade 2 events	745	836	707	679
	2%	3%	2%	2%
grade 3 events	321	331	283	288
	1%	1%	1%	1%
grade 4 events	296	328	299	279
	1%	1%	1%	1%
grade 5 events	1072	1224	1141	1229
	4%	5%	4%	4%
grade 6 events	579	671	508	580
	2%	2%	1%	2%
grade 7 events	20557	19231	21100	20904
	81%	79%	82%	82%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.061862	266.0460355715549	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.211717	-26.18798452352787	Alternating exposures requested	N	N
[deg] Pointing Roll	90.545959	90.74761982131237	[s] Primary exposure time	0.000000	3.1
[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)	350409658.184000	350409282.47128			
Observation start date	2009-02-07T15:59:52	2009-02-07T15:54:42			
[s] Observation end time (MET)	350411658.184000	350411792.69641			
Observation end date	2009-02-07T16:33:12	2009-02-07T16:36:32			
Read mode	TIMED	TIMED			

## 2.3 Aspect





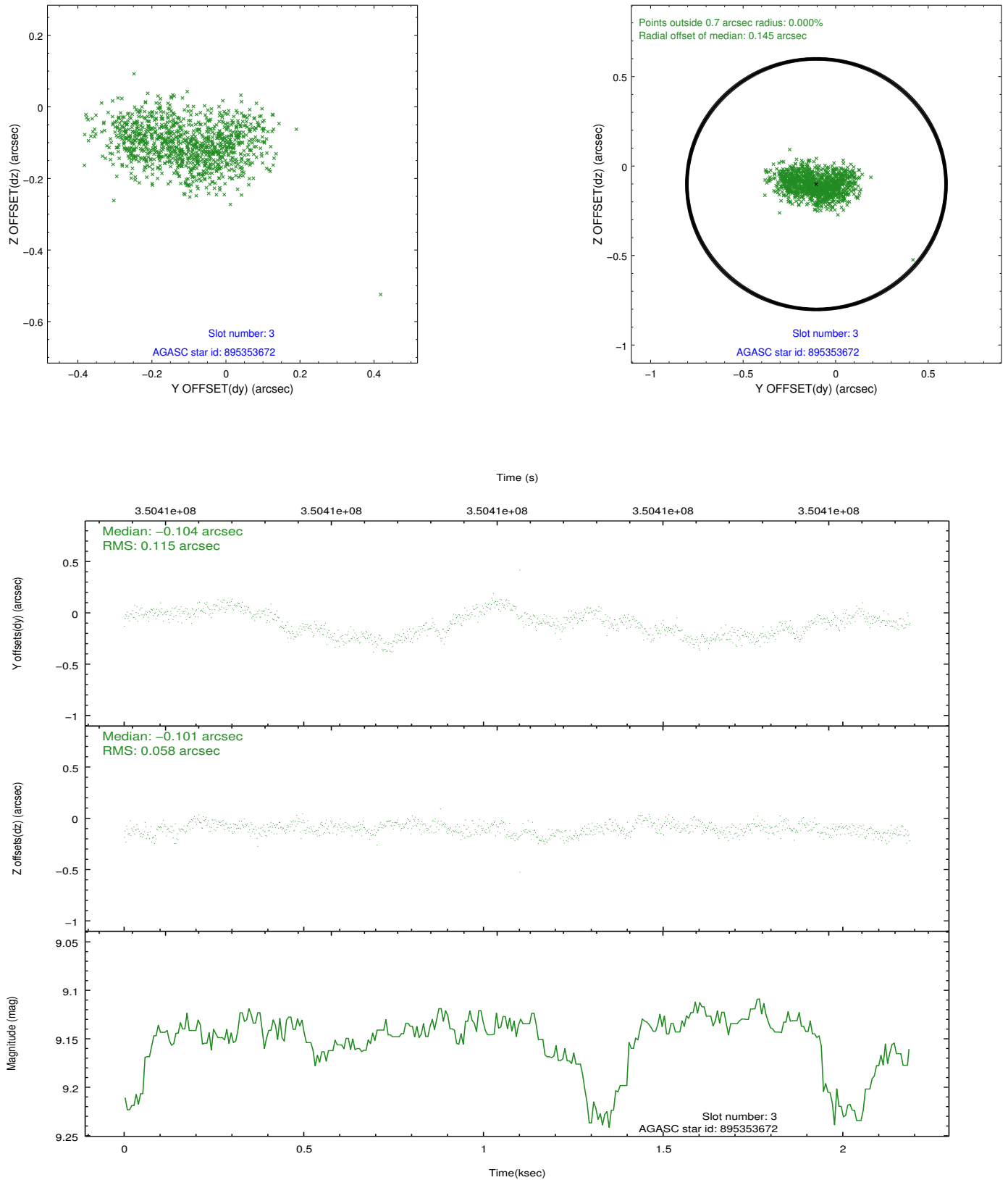
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.03	533	0.064	-0.039	0.007	0.011	0.000000	0.000000	926.04	-840.08
1	FID	ACIS-I-5	7.03	533	-0.205	0.067	0.006	0.011	0.000000	0.000000	-1820.65	1056.06
2	FID	ACIS-I-6	7.03	533	0.049	0.042	0.007	0.011	0.000000	0.000000	388.37	1703.88
3	GUIDE	895353672	9.14	1067	-0.104	-0.101	0.139	0.211	265.503544	-25.854566	1298.23	1796.50
4	GUIDE	895354448	9.02	1067	-0.181	-0.175	0.104	0.162	265.769015	-25.624207	2123.57	932.03
5	GUIDE	896015112	9.18	1067	0.078	0.252	0.090	0.148	266.684847	-26.286161	-290.09	-2007.11
6	GUIDE	896015880	8.53	1067	-0.056	-0.208	0.066	0.109	265.986633	-26.306686	-340.31	243.83
7	GUIDE	896016440	8.64	1065	0.266	0.236	0.078	0.122	266.612166	-26.787269	-2092.81	-1748.49

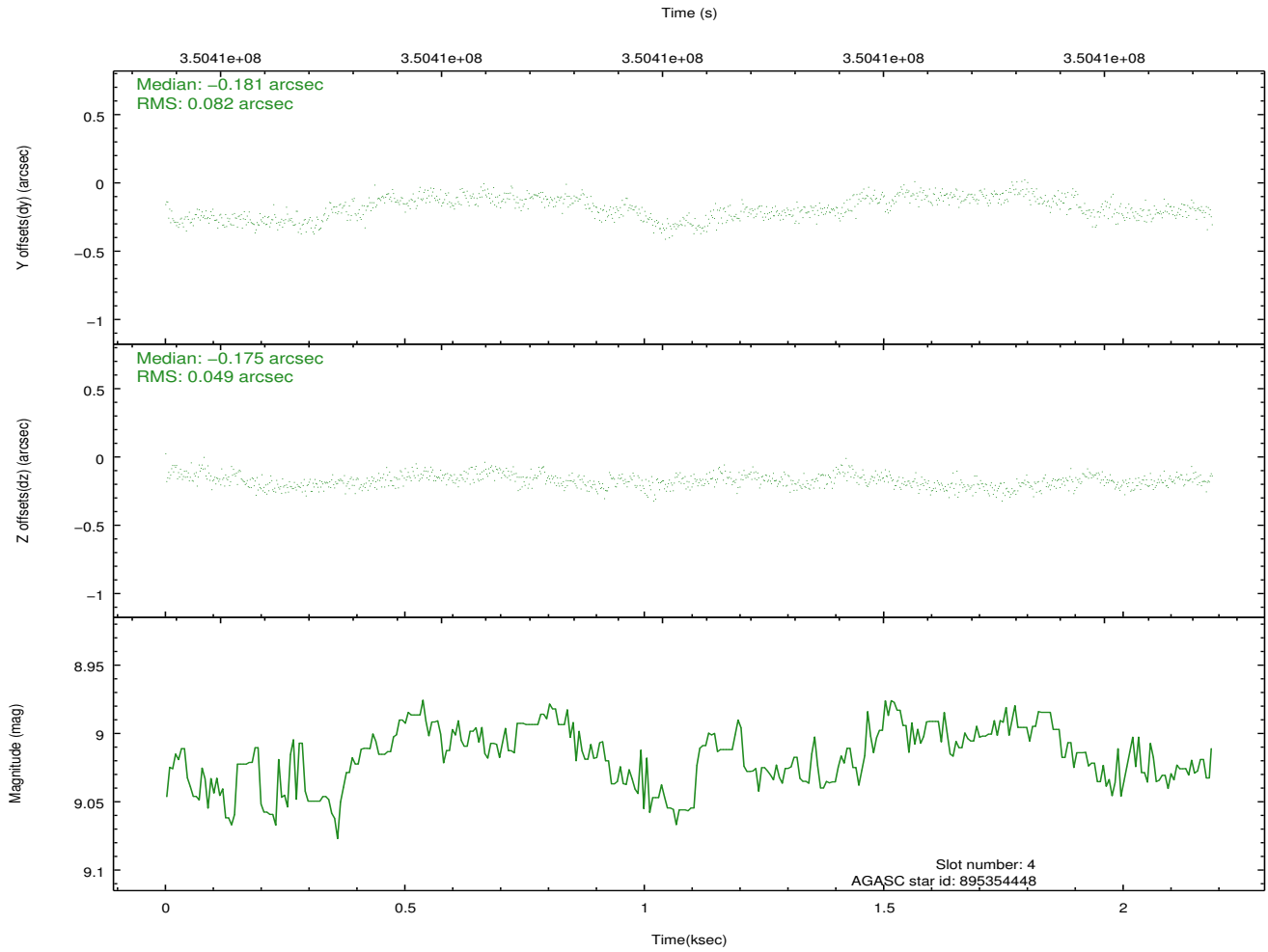
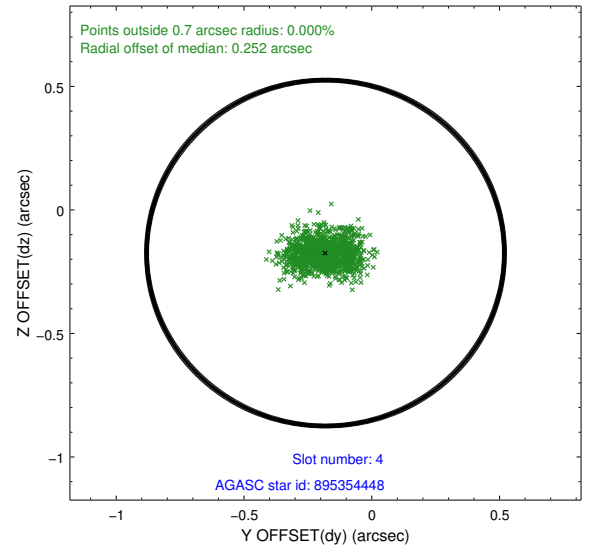
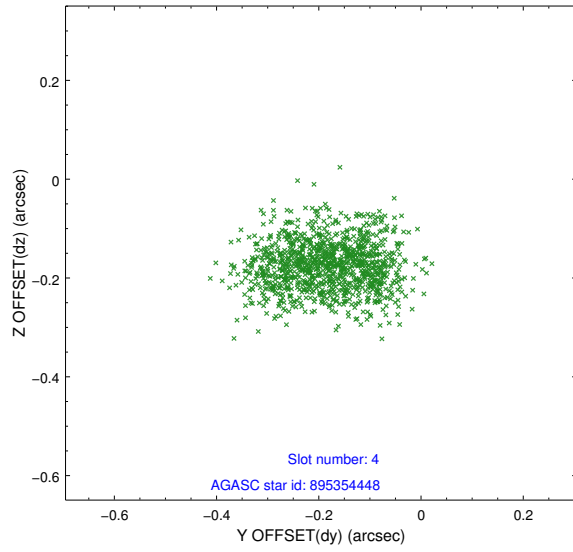


## 2.4 Star Slots

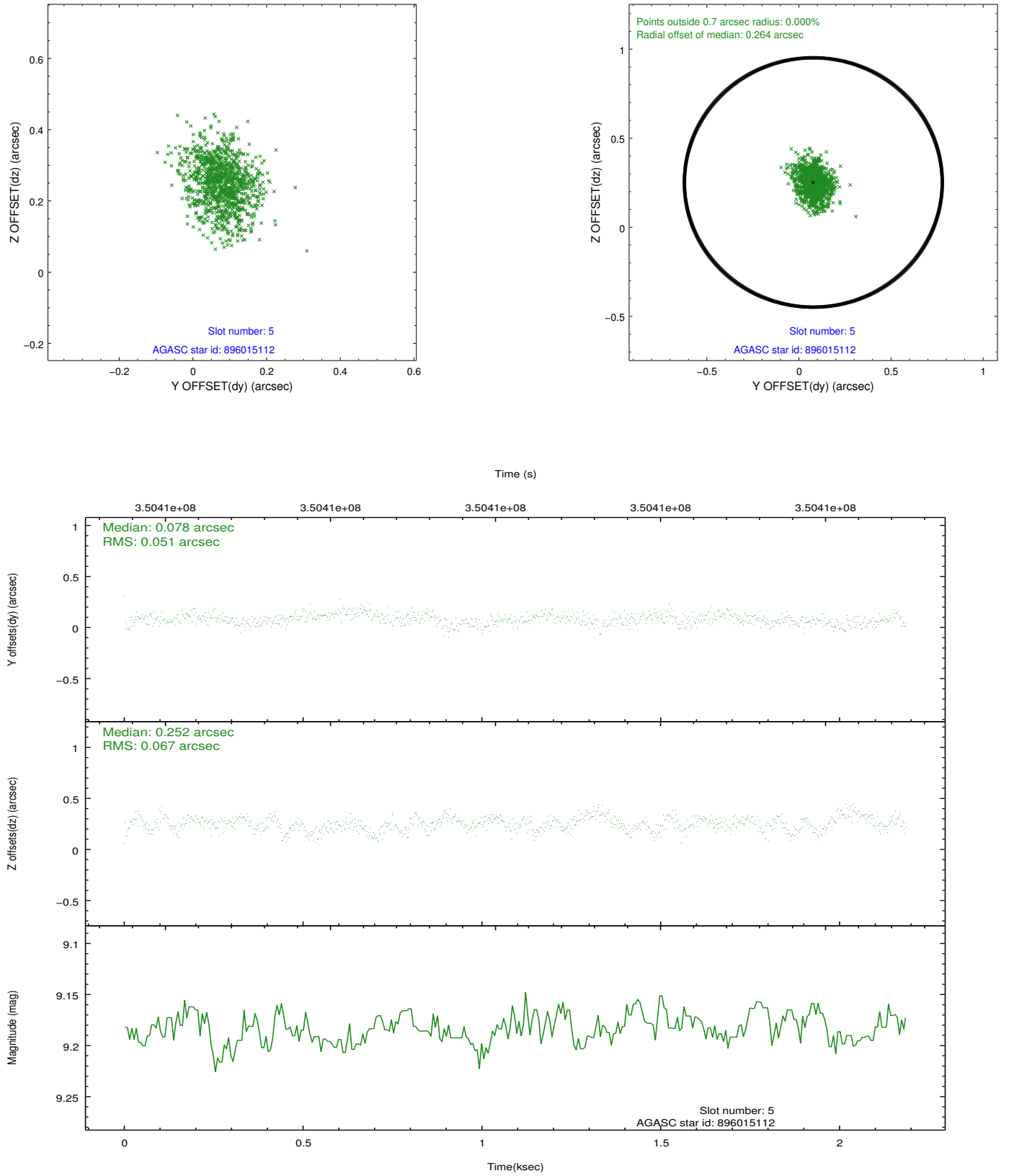
### 2.4.1 Slot 3



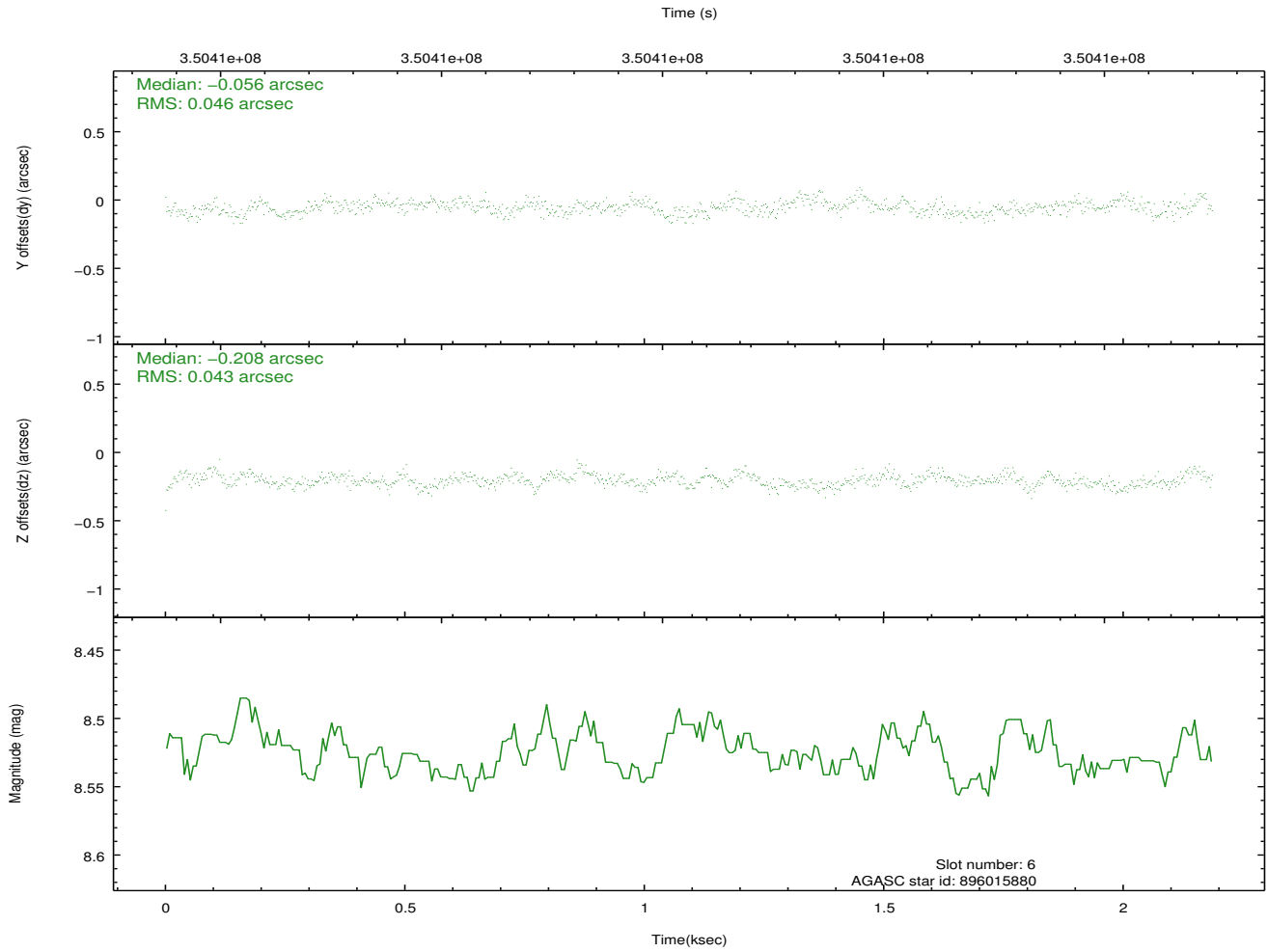
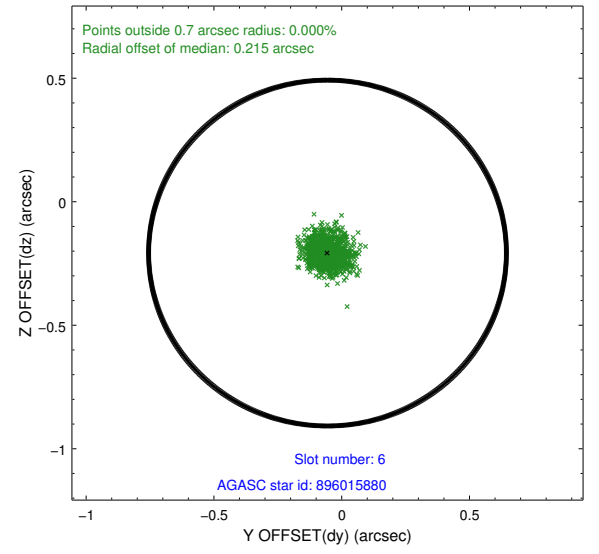
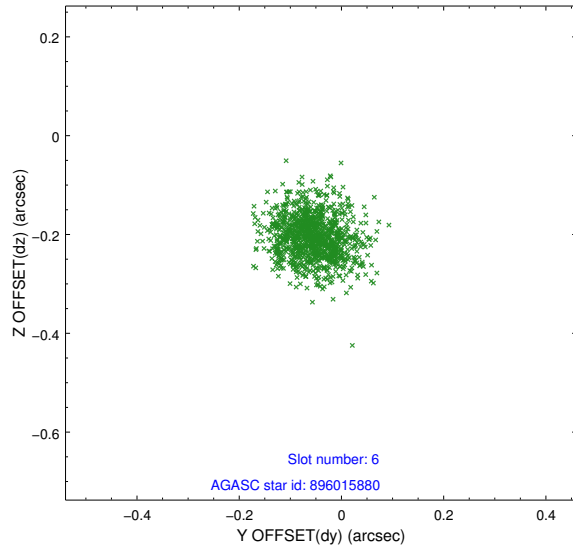
## 2.4.2 Slot 4



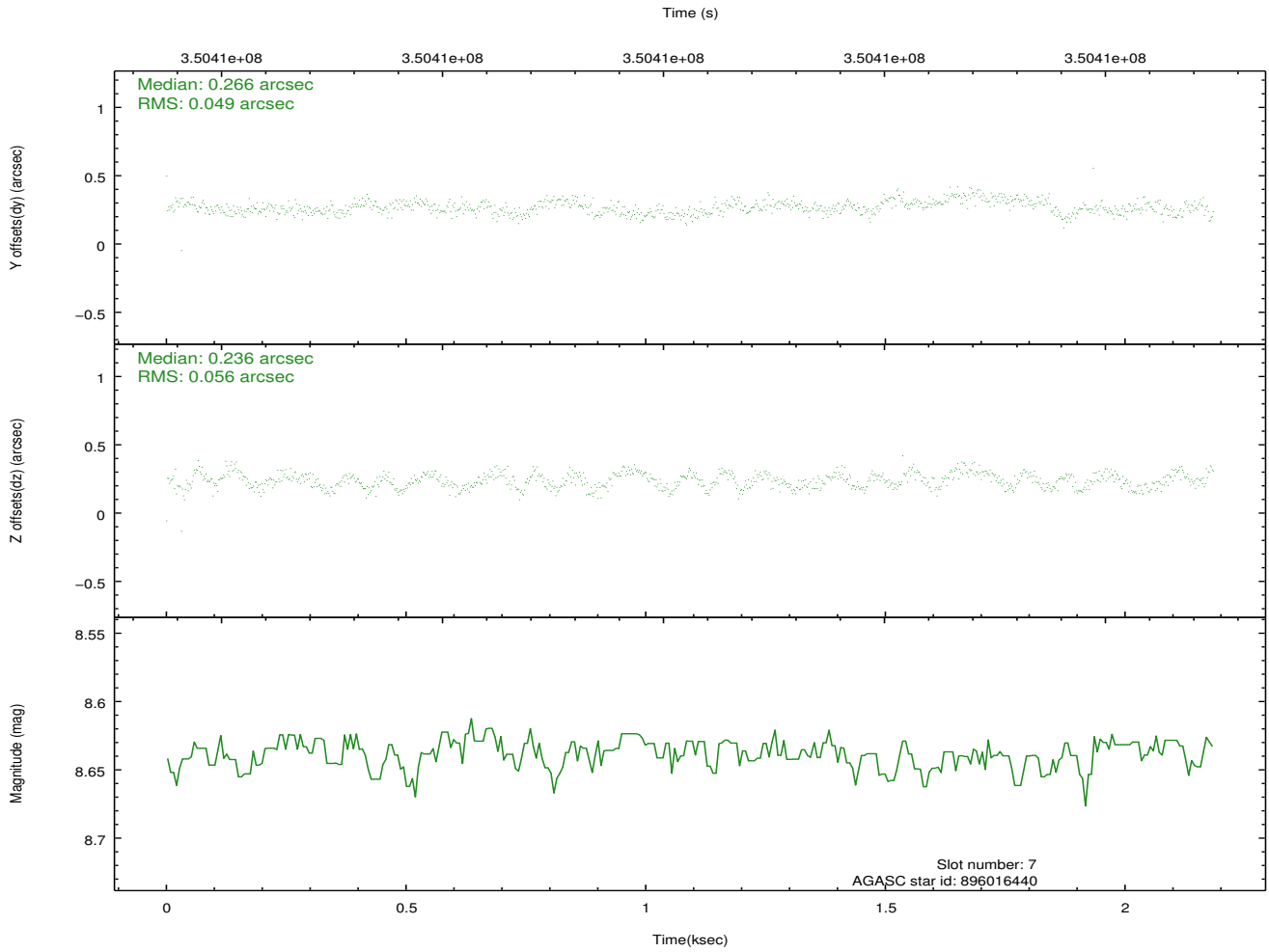
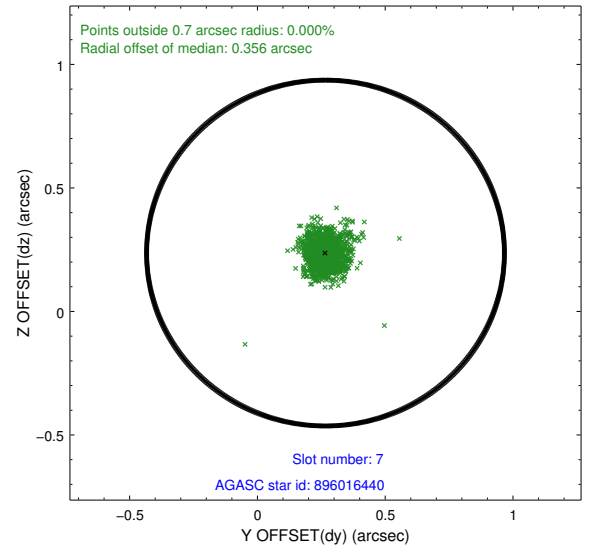
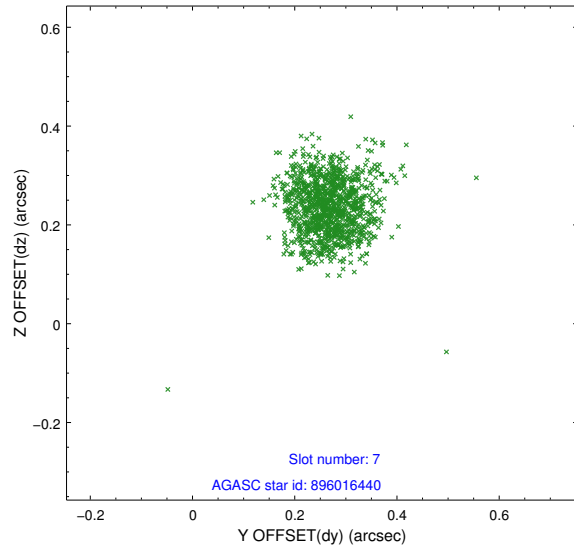
### 2.4.3 Slot 5



## 2.4.4 Slot 6

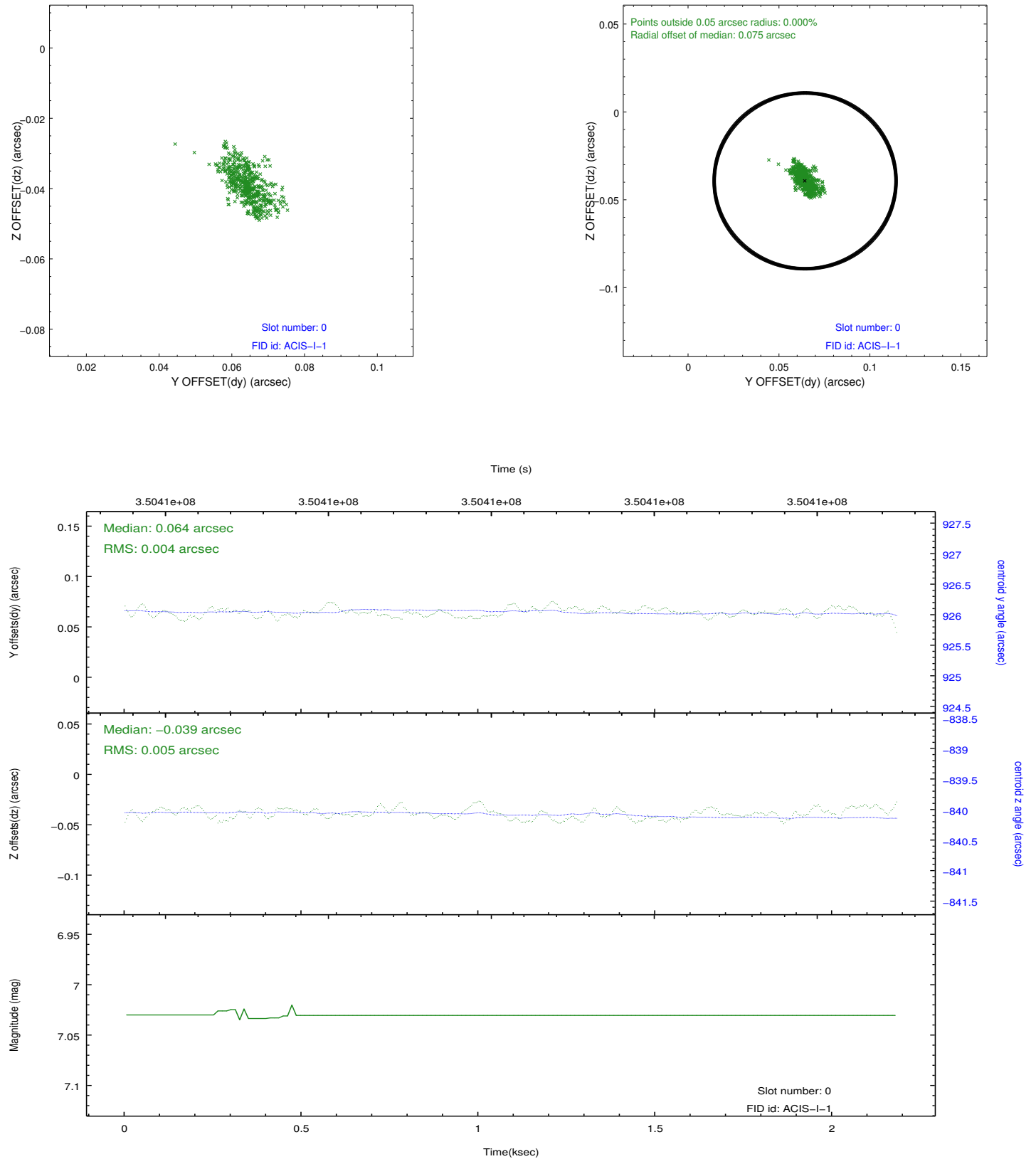


## 2.4.5 Slot 7

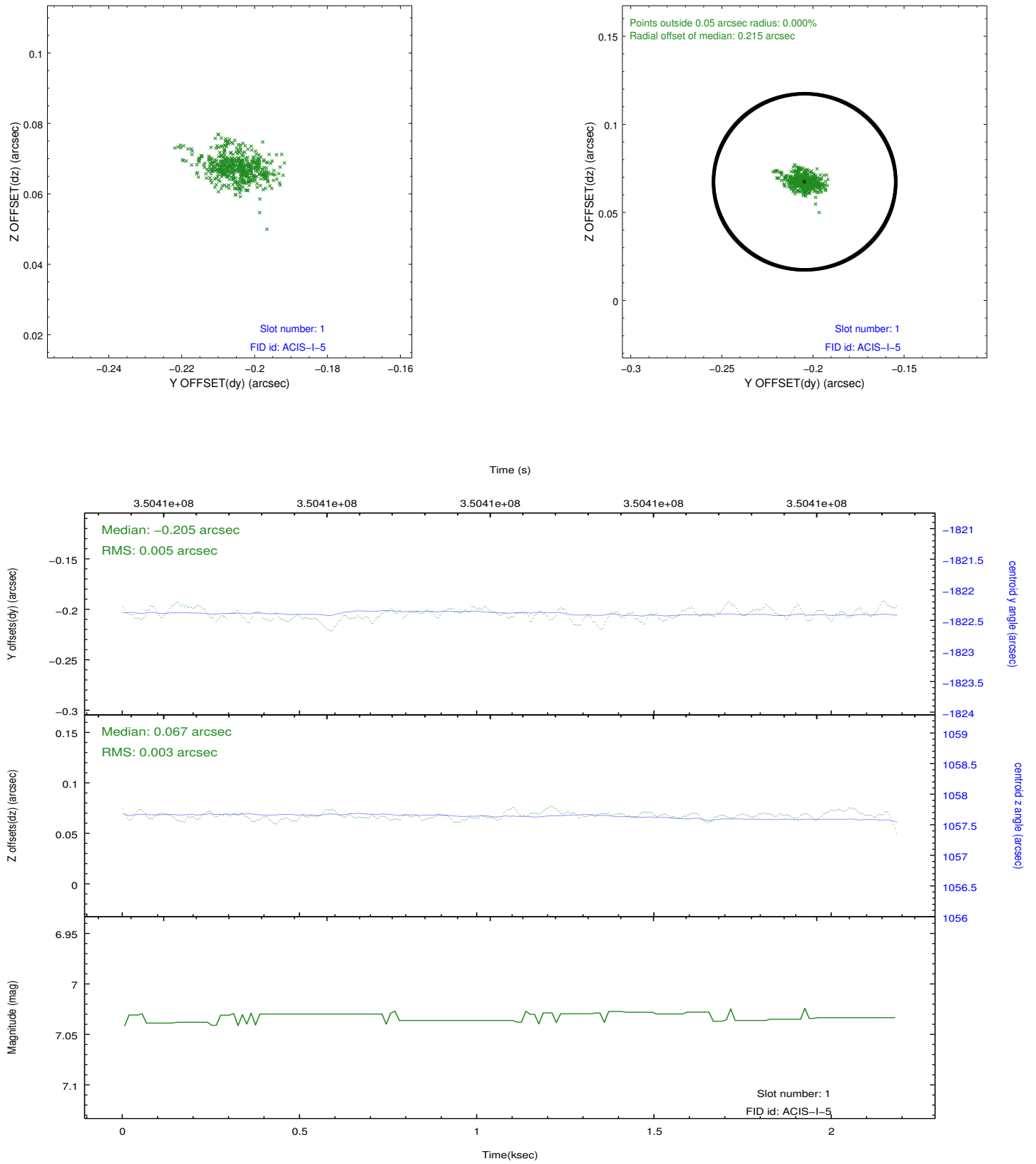


## 2.5 FID Slots

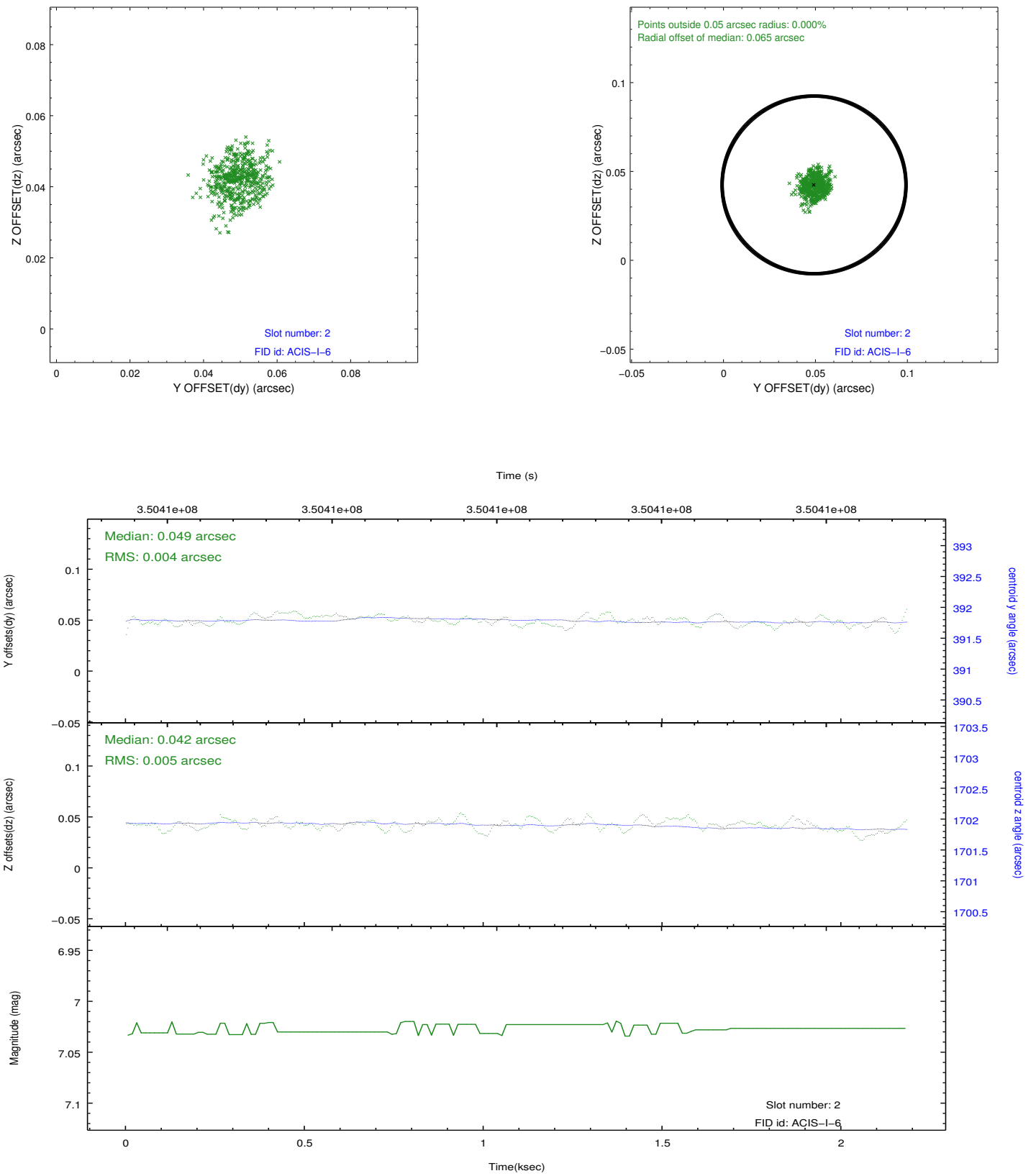
### 2.5.1 Slot 0



## 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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18550001

### A.2 Comments

Joint Proposal: NOAO