

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13549 - L2 Version 2  
Chandra X-Ray Center

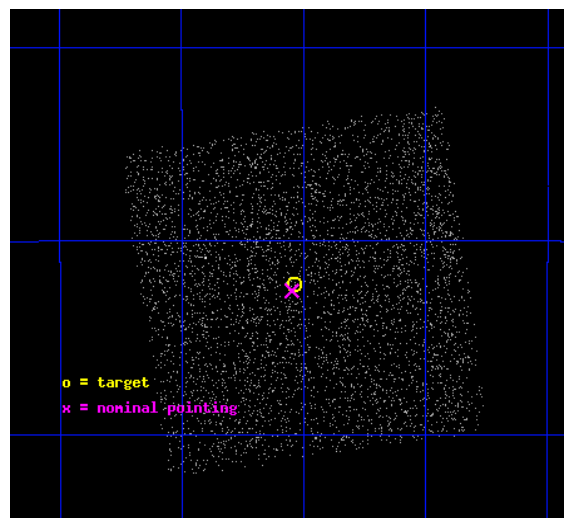
L2 Processing Date : Feb 25 2012

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# 1 Front

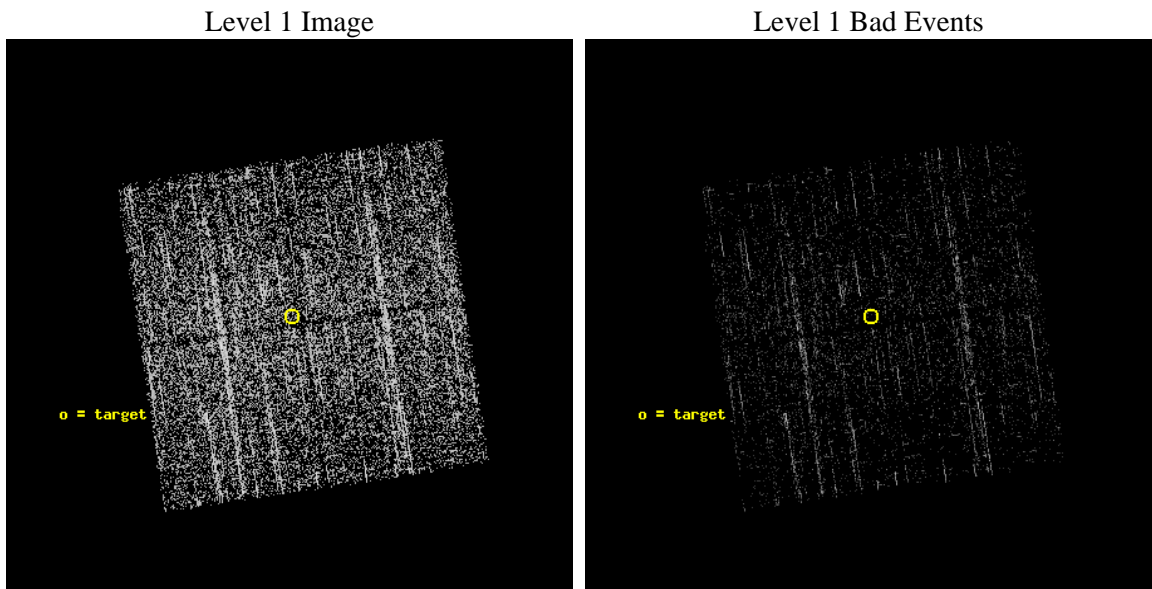
seq_num	401325	Sequence number
obs_id	13549	Observation id
title	Completing the Galactic Bulge Survey: categorizing the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr P Jonker	Principal investigator
object	GBS13-2	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.760206	Observer's specified target RA [deg]
dec_targ	-31.704028	Observer's specified target Dec [deg]
ra_nom	266.76225200747	Nominal RA [deg]
dec_nom	-31.709628972561	Nominal Dec [deg]
roll_nom	261.61041732228	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1973.5549894571	Sum of GTIs [s]
livetime	1947.7690406098	Livetime [s]
ontime0	1973.4318694472	Sum of GTIs [s]
ontime1	1973.4729094505	Sum of GTIs [s]
ontime2	1973.5139494538	Sum of GTIs [s]
ontime3	1973.5549894571	Sum of GTIs [s]
l2events	4974	Number of level 2 events



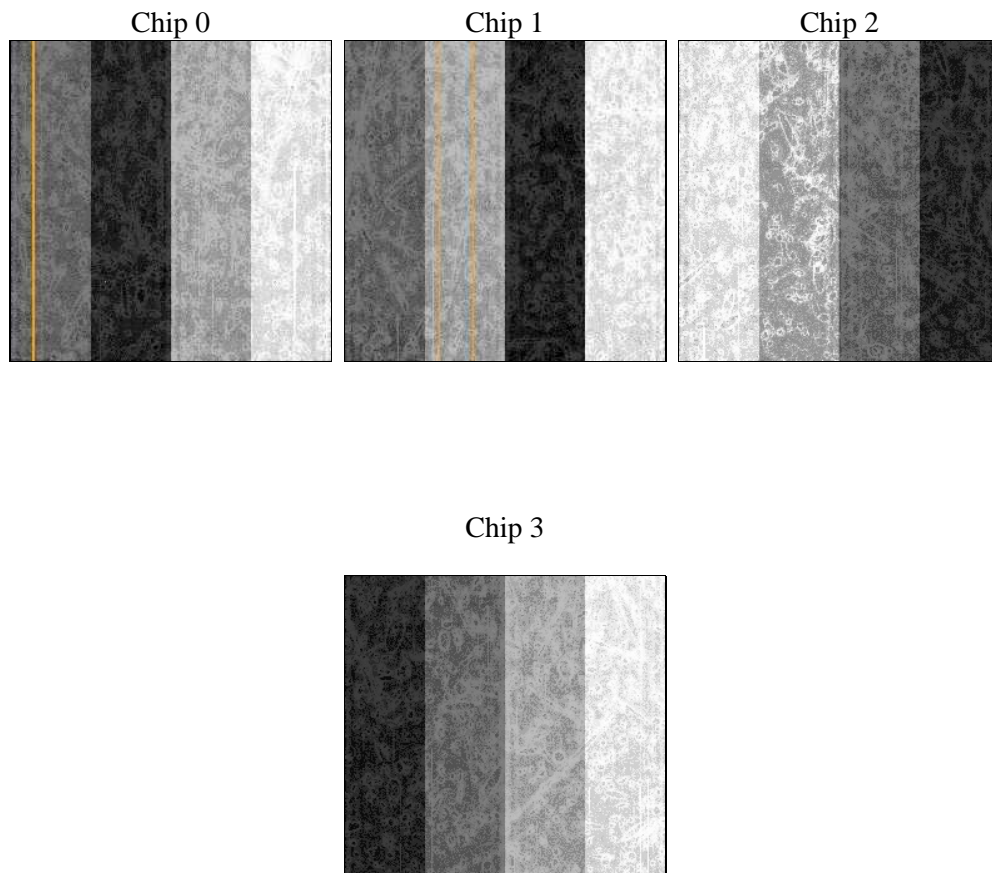
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1973.5549894571	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	1973.4318694472	Sum of GTIs [s]
date	2012-02-26T01:19:39	Date and time of file creation	ontime1	1973.4729094505	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1973.5139494538	Sum of GTIs [s]
			ontime3	1973.5549894571	Sum of GTIs [s]
			l1events	44911	Number of level 1 events

### 2.1.4 Events

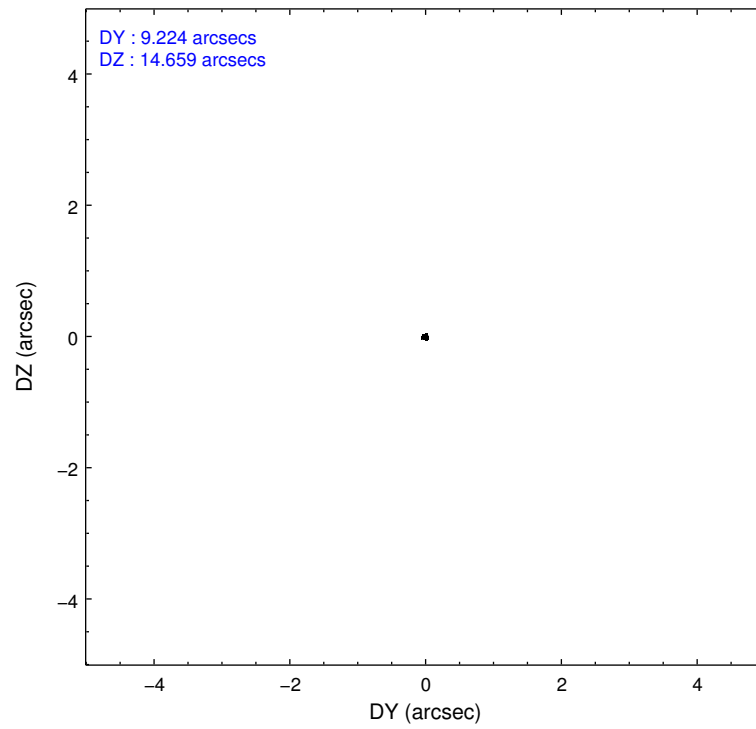
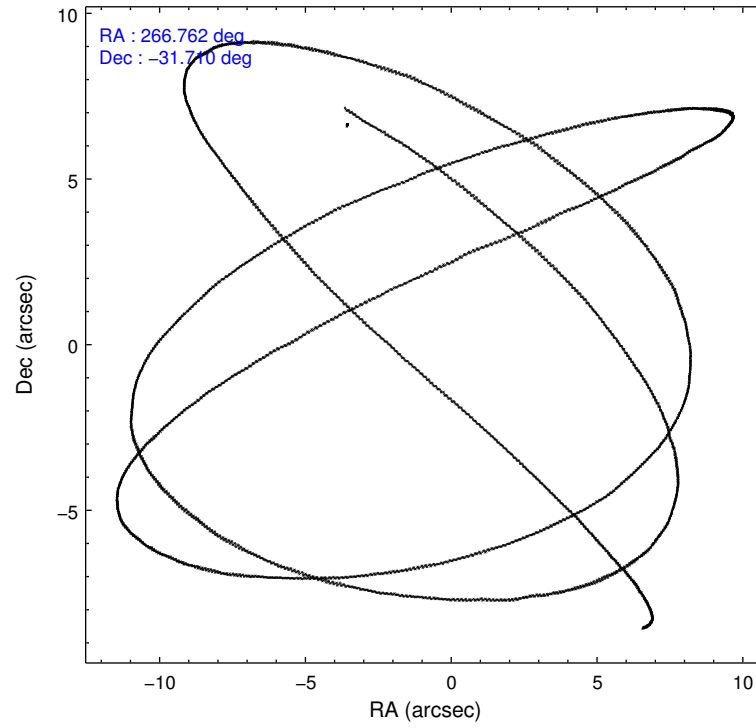
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	10952	10686	11733	11540
rejected events	9470	9107	10372	10083
rejected %	86%	85%	88%	87%

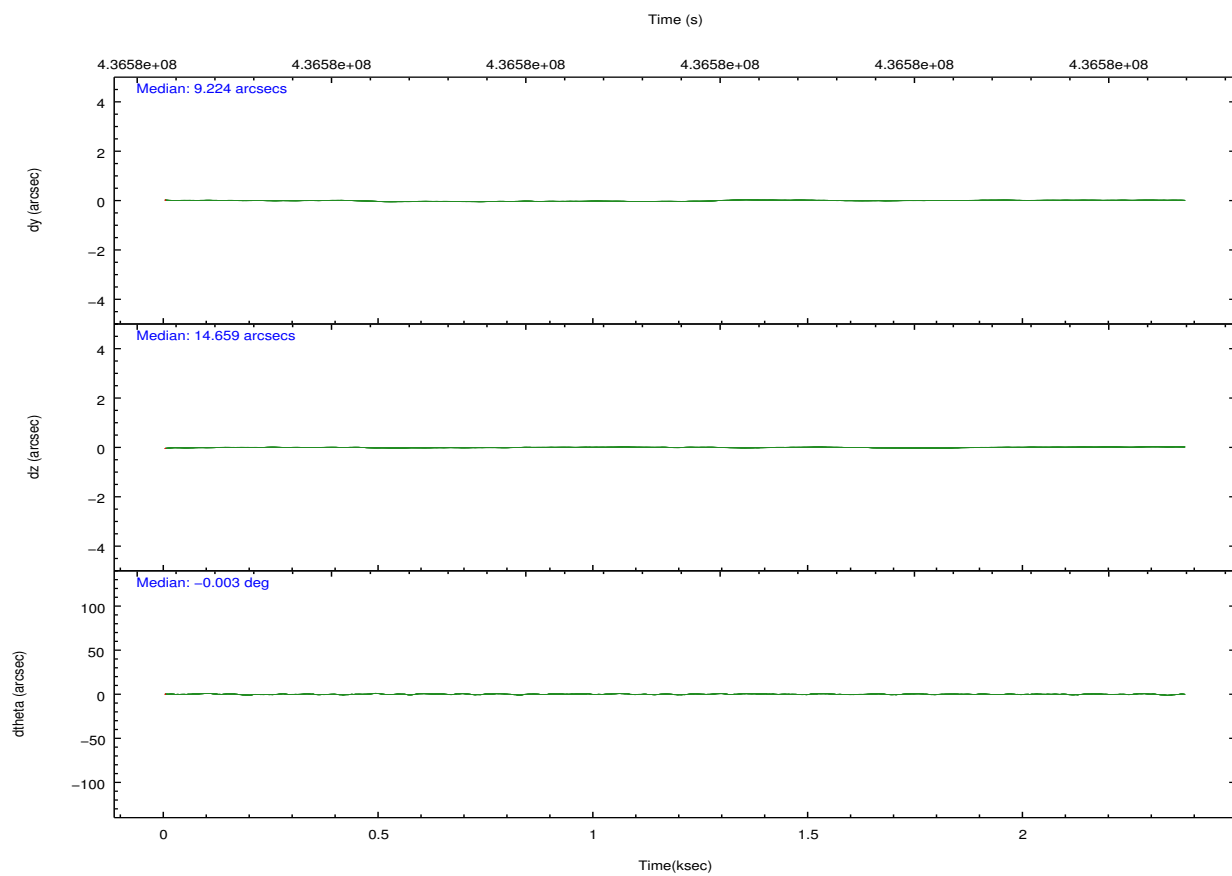
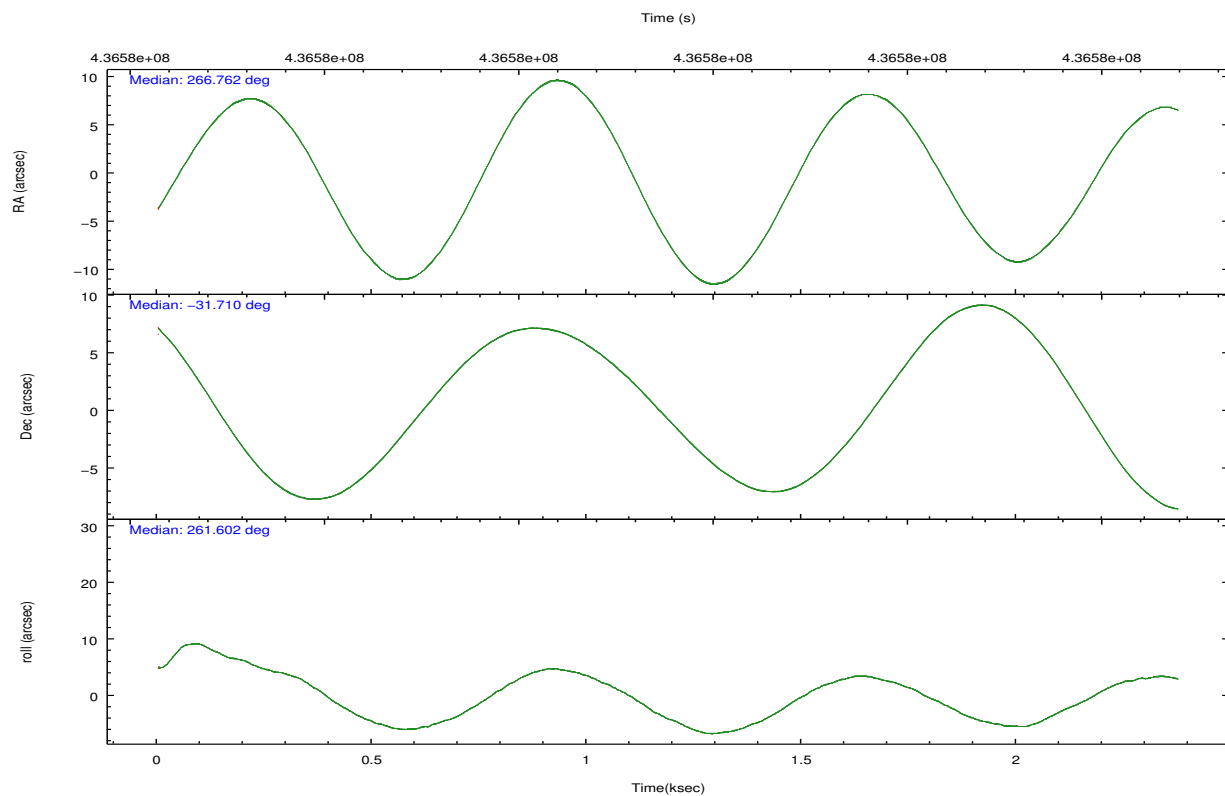
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	559	612	528	579
	5%	5%	4%	5%
grade 1 events	3	6	5	8
	0%	0%	0%	0%
grade 2 events	337	348	322	294
	3%	3%	2%	2%
grade 3 events	151	155	123	150
	1%	1%	1%	1%
grade 4 events	158	160	151	156
	1%	1%	1%	1%
grade 5 events	527	545	492	553
	4%	5%	4%	4%
grade 6 events	283	309	244	285
	2%	2%	2%	2%
grade 7 events	8934	8551	9868	9515
	81%	80%	84%	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	266.750100	266.7622520074651	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.684011	-31.70962897256051	Alternating exposures requested	N	N
[deg] Pointing Roll	261.395360	261.6104173222776	[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)	436575399.184000	436575023.12225			
Observation start date	2011-11-01T22:55:33	2011-11-01T22:50:23			
[s] Observation end time (MET)	436577579.184000	436577713.23489			
Observation end date	2011-11-01T23:31:53	2011-11-01T23:35:13			
Read mode	TIMED	TIMED			

## 2.3 Aspect





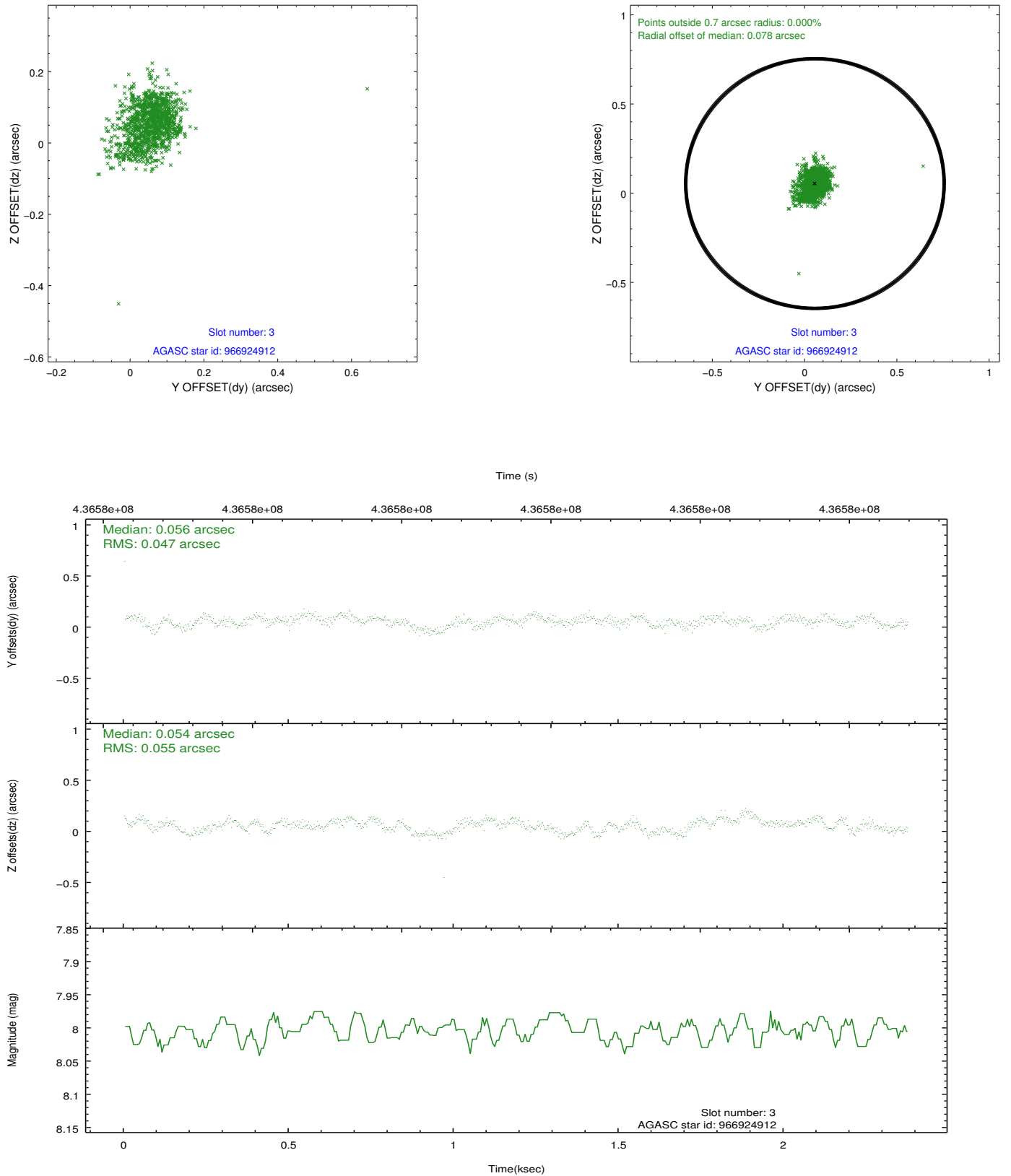
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	580	0.050	-0.012	0.006	0.011	0.000000	0.000000	930.46	-838.25
1	FID	ACIS-I-5	7.02	580	-0.207	0.058	0.005	0.010	0.000000	0.000000	-1816.41	1057.91
2	FID	ACIS-I-6	7.02	580	0.065	0.025	0.006	0.011	0.000000	0.000000	393.03	1705.49
3	GUIDE	966924912	8.00	1159	0.056	0.054	0.074	0.123	266.020014	-31.275150	-1111.42	-2440.50
4	GUIDE	966927000	8.16	1159	-0.094	0.108	0.070	0.112	267.318997	-31.255021	-1785.68	1498.32
5	GUIDE	966927176	9.00	1159	0.010	-0.021	0.100	0.156	265.946853	-31.673679	339.28	-2436.32
6	GUIDE	967450832	9.11	1154	0.047	-0.194	0.101	0.161	266.078096	-31.879979	1011.88	-1927.01
7	GUIDE	967451816	9.24	1148	-0.021	0.061	0.152	0.232	267.266669	-31.901374	542.43	1677.13

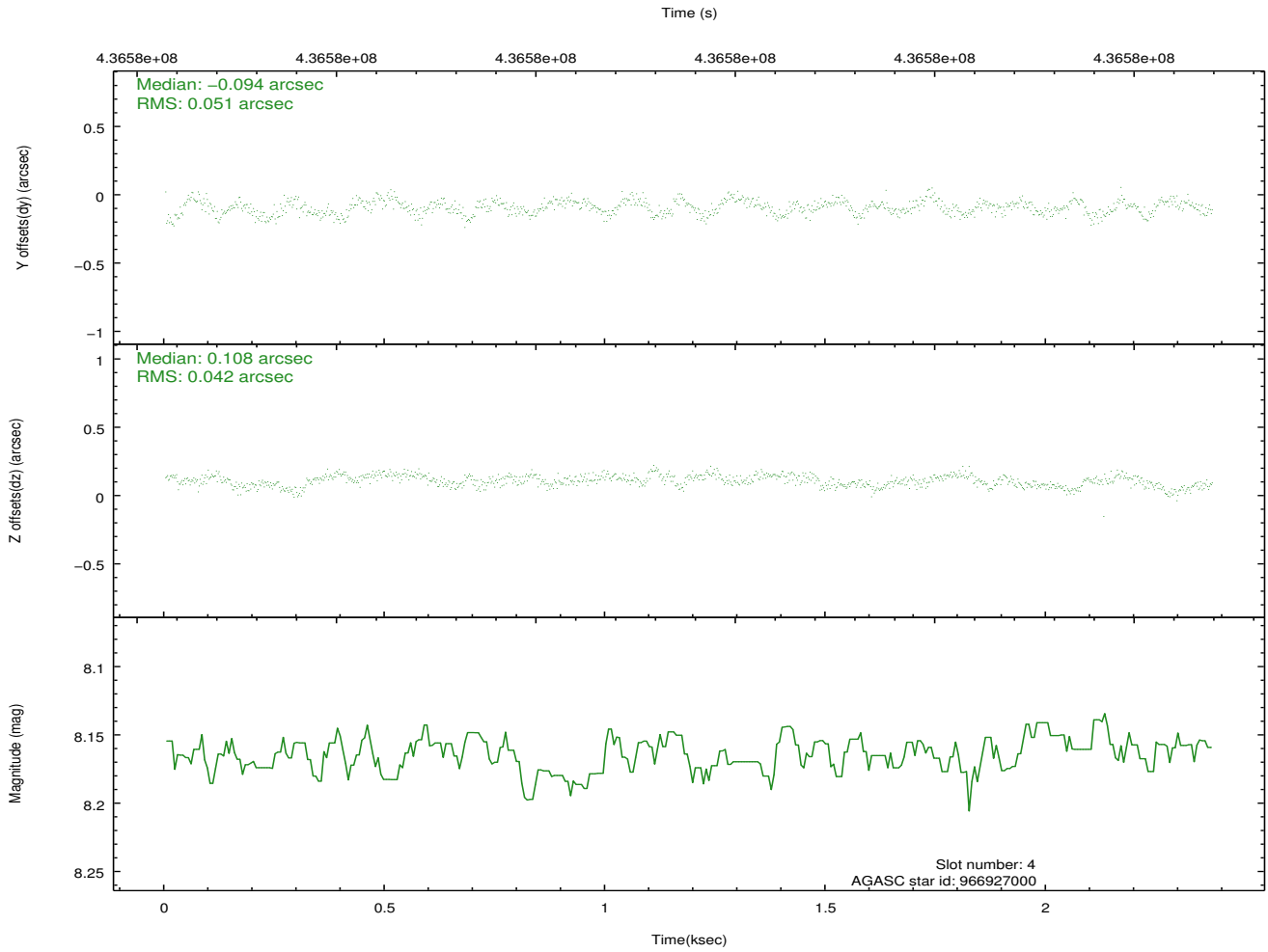
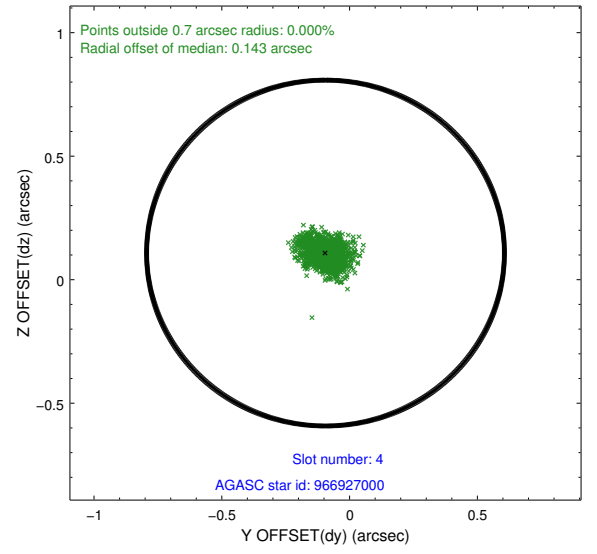
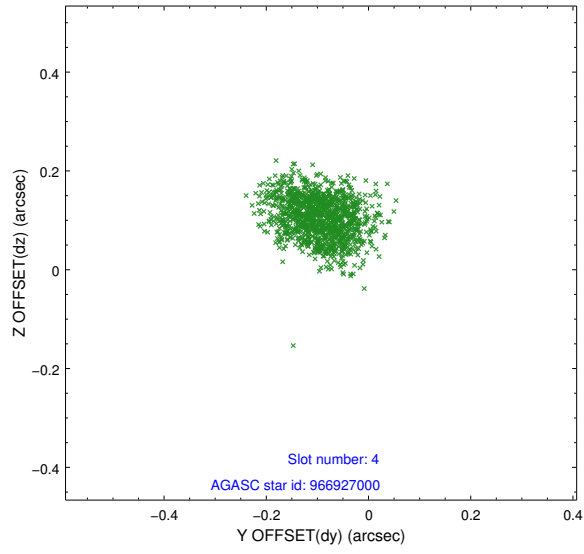


## 2.4 Star Slots

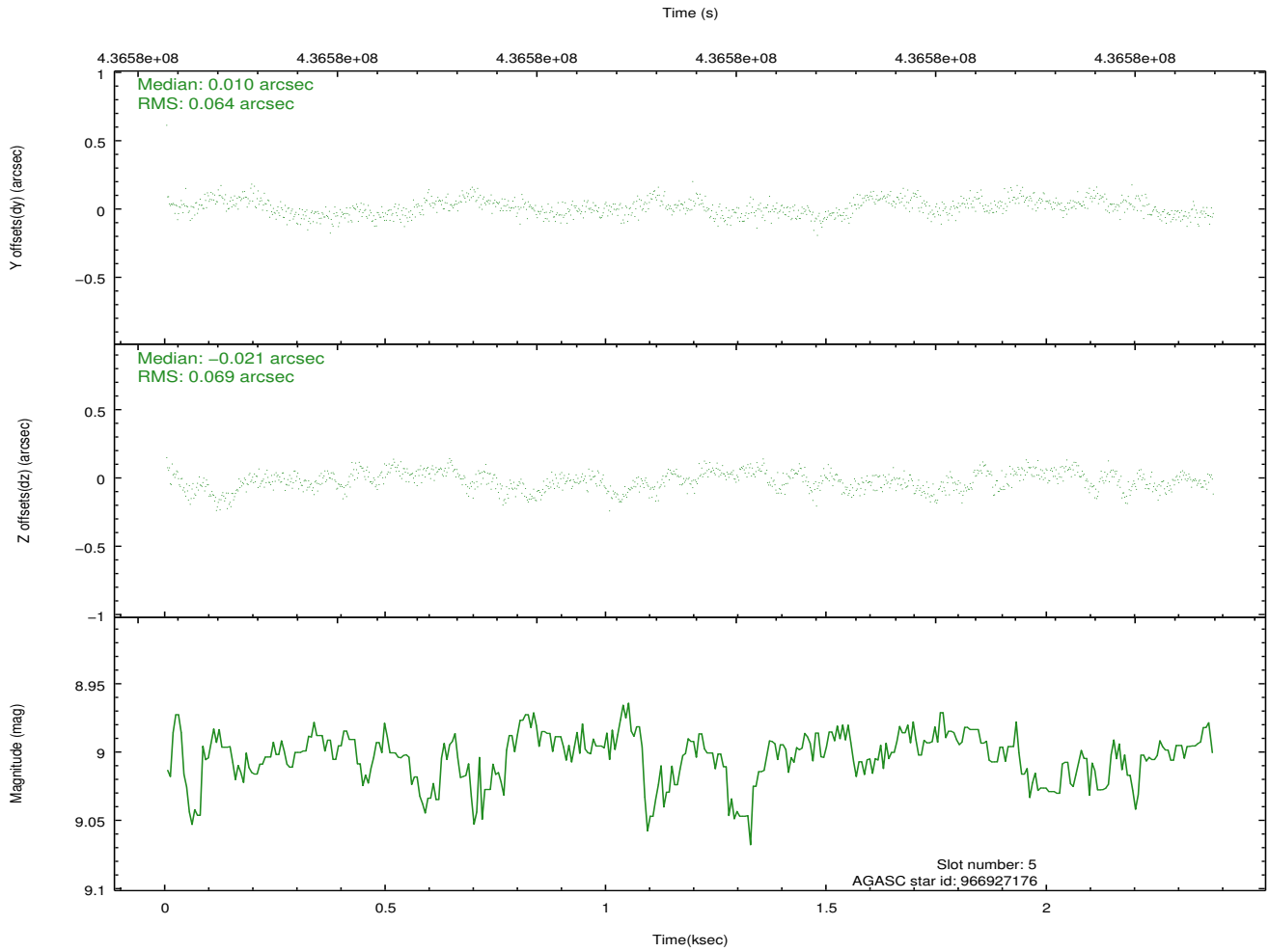
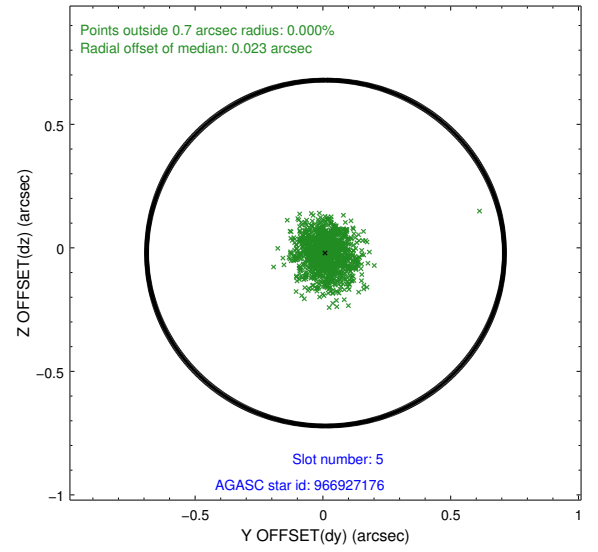
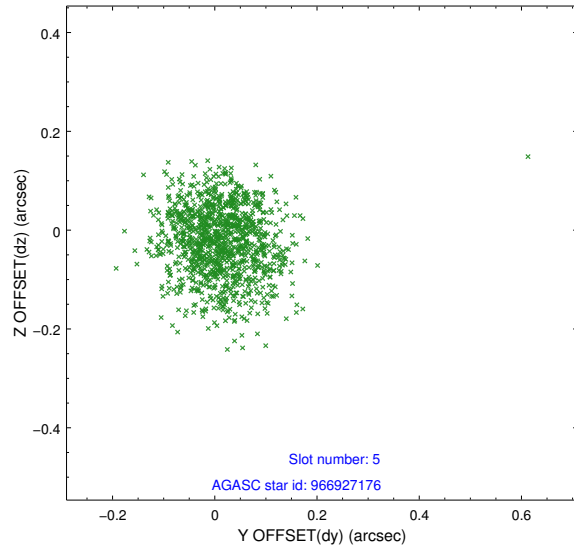
### 2.4.1 Slot 3



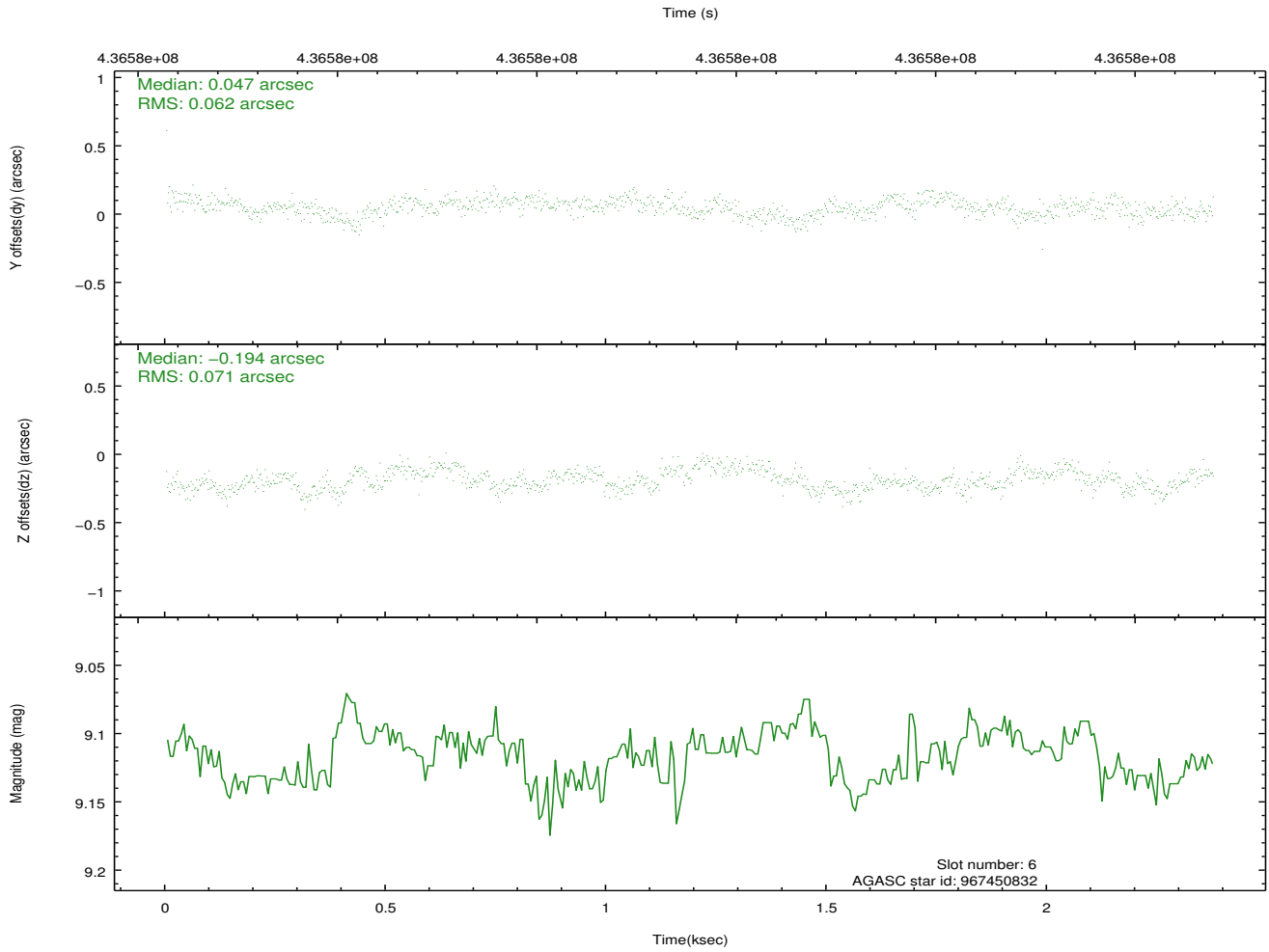
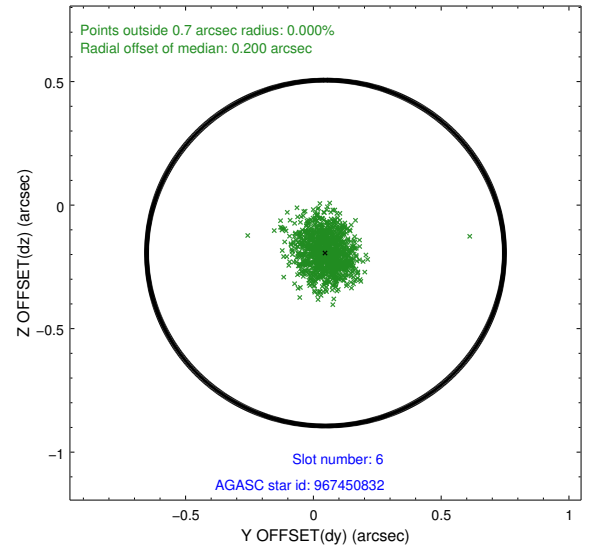
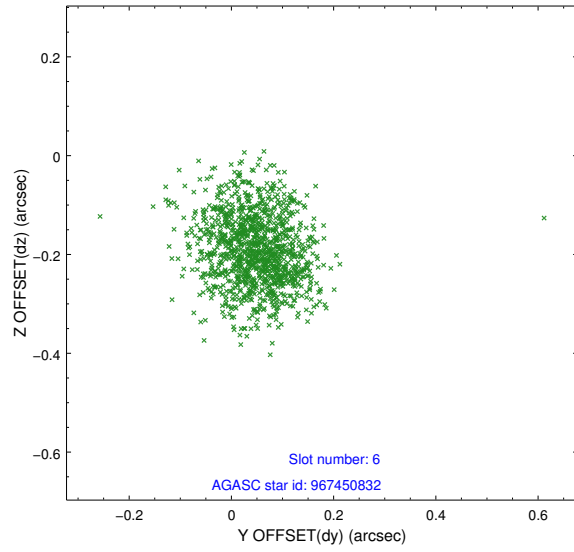
## 2.4.2 Slot 4



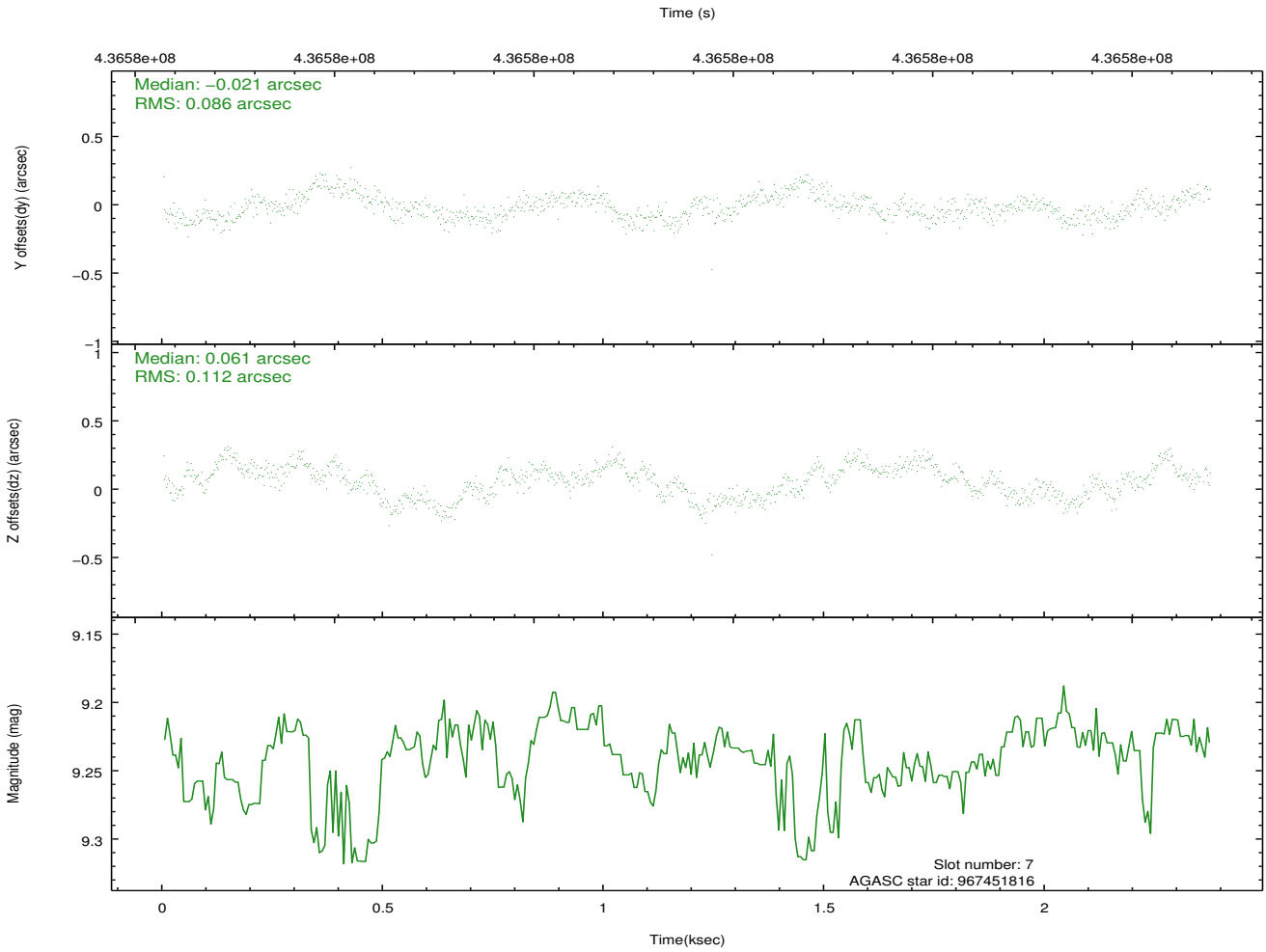
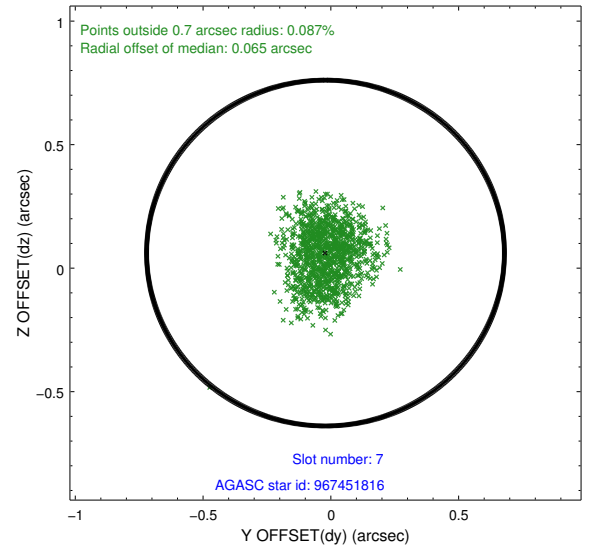
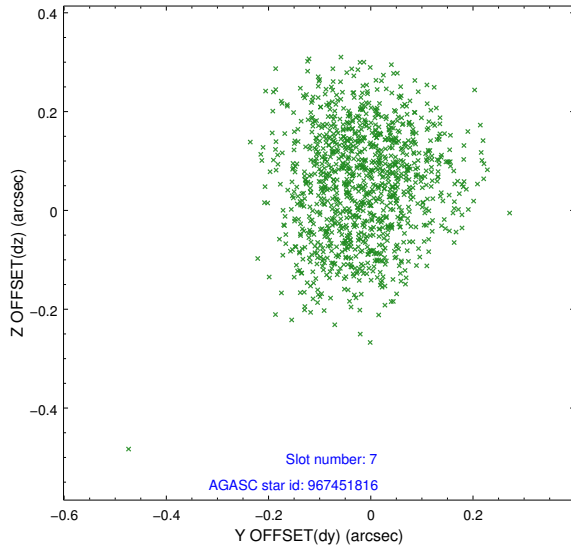
### 2.4.3 Slot 5



## 2.4.4 Slot 6

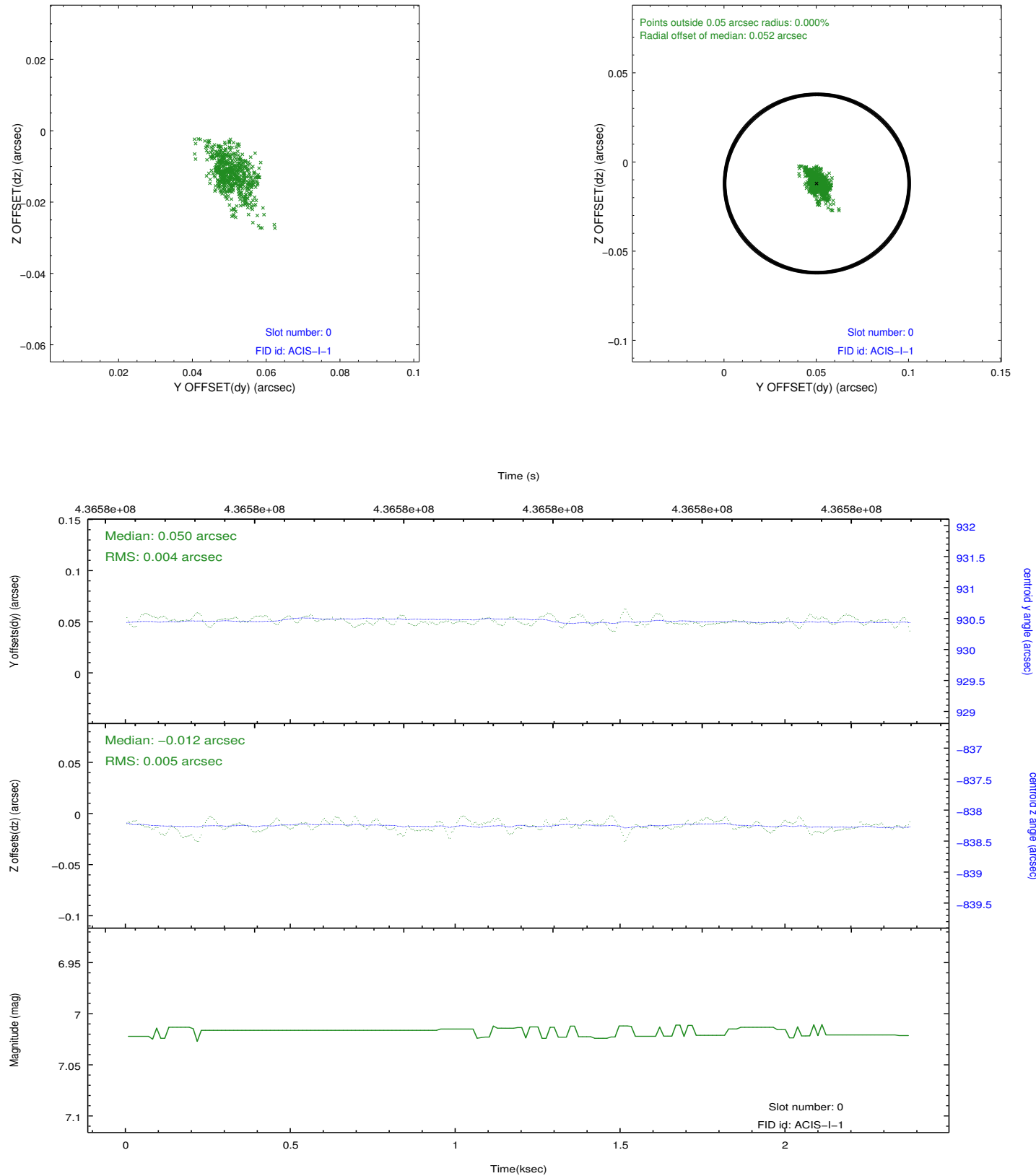


## 2.4.5 Slot 7

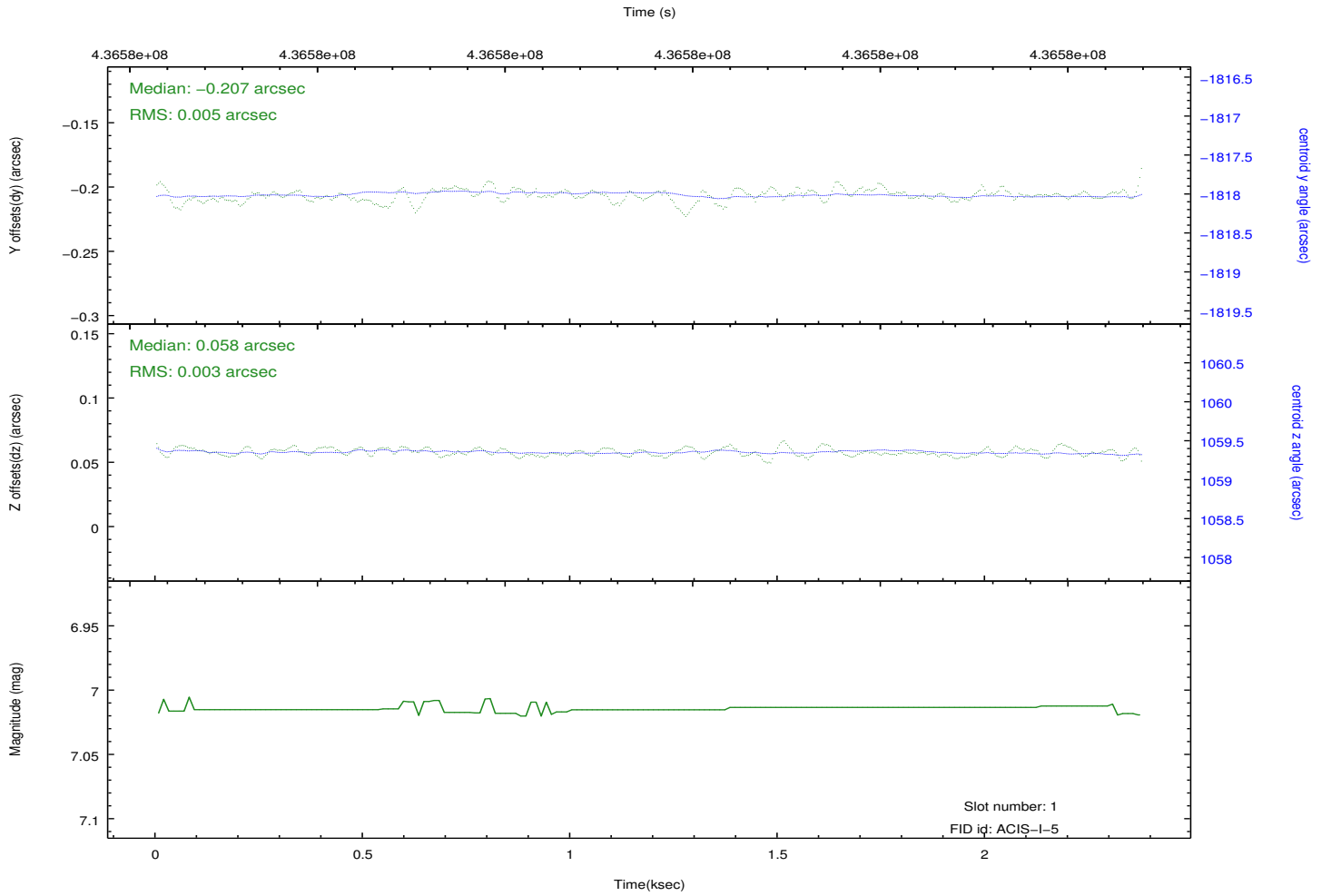
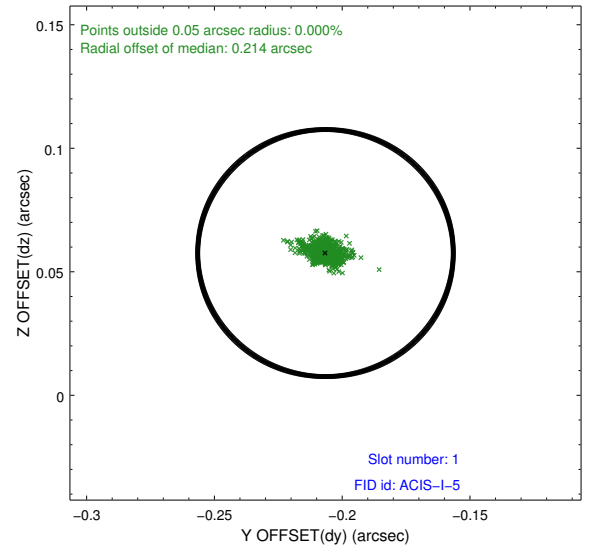
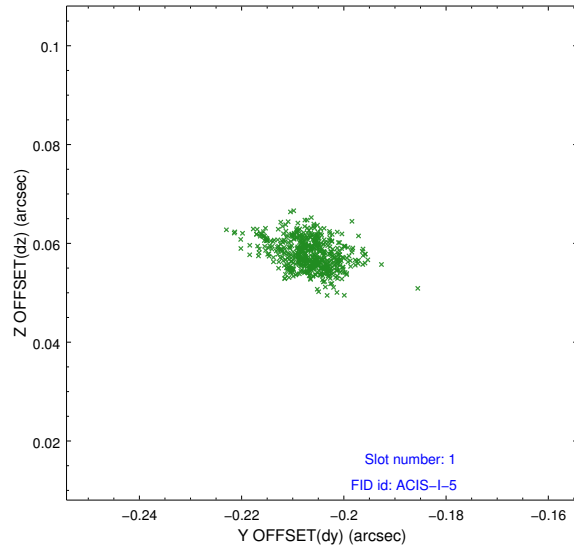


## 2.5 FID Slots

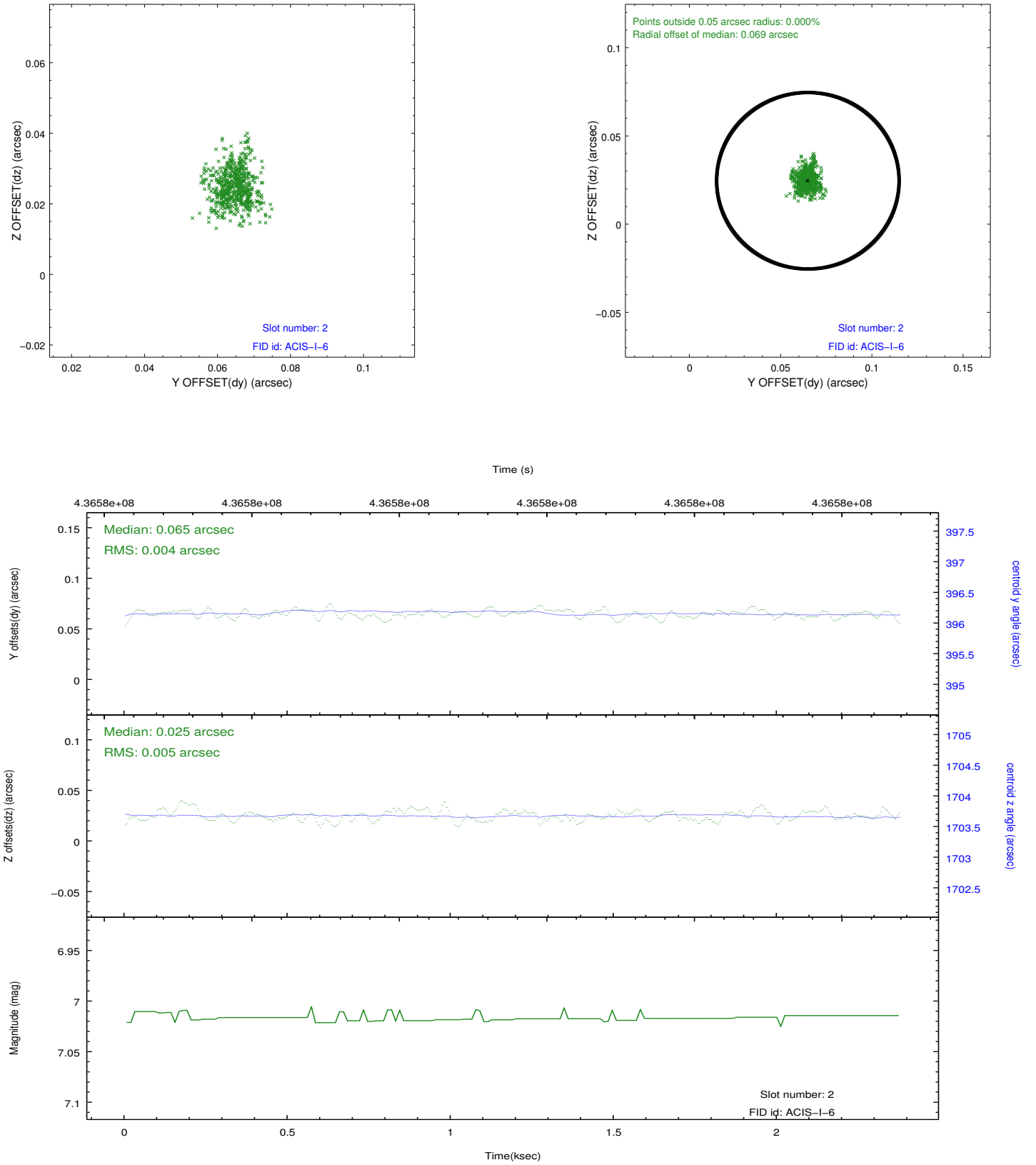
### 2.5.1 Slot 0



## 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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9735549919009

## A.2 Comments

Joint Proposal: NOAO