

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 4258 - L2 Version 3  
Chandra X-Ray Center

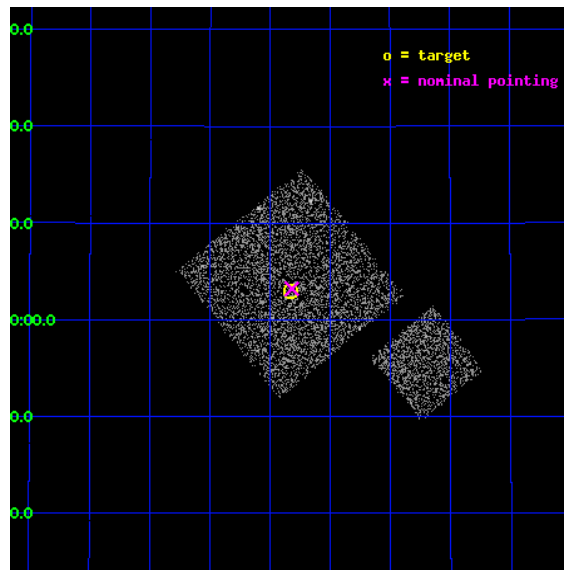
L2 Processing Date : Oct 24 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

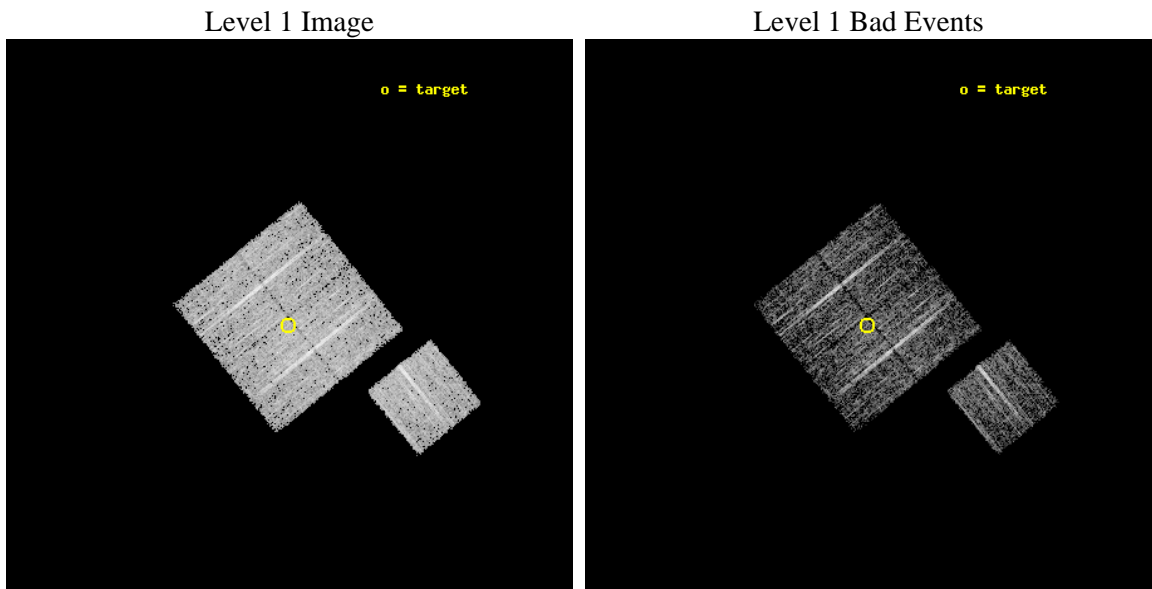
seq_num	900301	Sequence number
obs_id	4258	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.957163	Observer's specified target RA [deg]
dec_targ	33.04953	Observer's specified target Dec [deg]
ra_nom	216.95458149014	Nominal RA [deg]
dec_nom	33.053596448181	Nominal Dec [deg]
roll_nom	141.01003473972	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4673.7278841138	Sum of GTIs [s]
livetime	4612.6621885594	Livetime [s]
ontime0	4673.6047641039	Sum of GTIs [s]
ontime1	4673.6458240449	Sum of GTIs [s]
ontime2	4670.5458838344	Sum of GTIs [s]
ontime3	4673.7278841138	Sum of GTIs [s]
ontime6	4673.5637440383	Sum of GTIs [s]
l2events	9378	Number of level 2 events



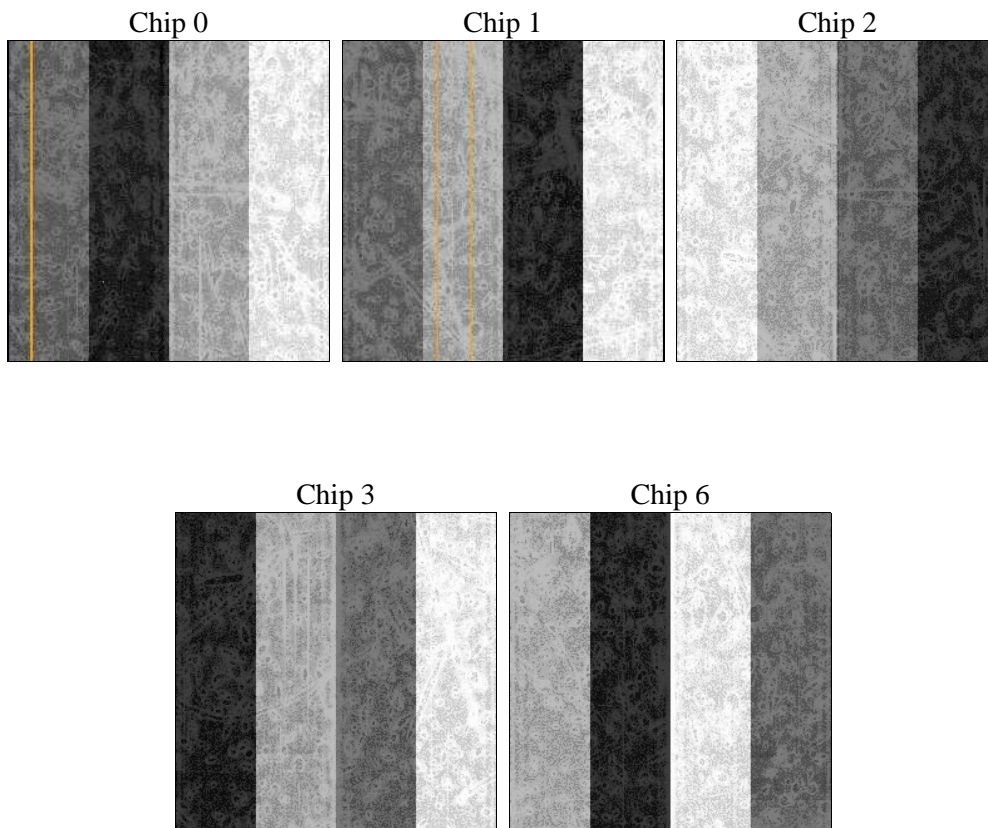
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4673.7278841138	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	4673.6047641039	Sum of GTIs [s]
date	2012-10-24T23:44:42	Date and time of file creation	ontime1	4673.6458240449	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4670.5458838344	Sum of GTIs [s]
			ontime3	4673.7278841138	Sum of GTIs [s]
			ontime6	4673.5637440383	Sum of GTIs [s]
			l1events	118762	Number of level 1 events

### 2.1.4 Events

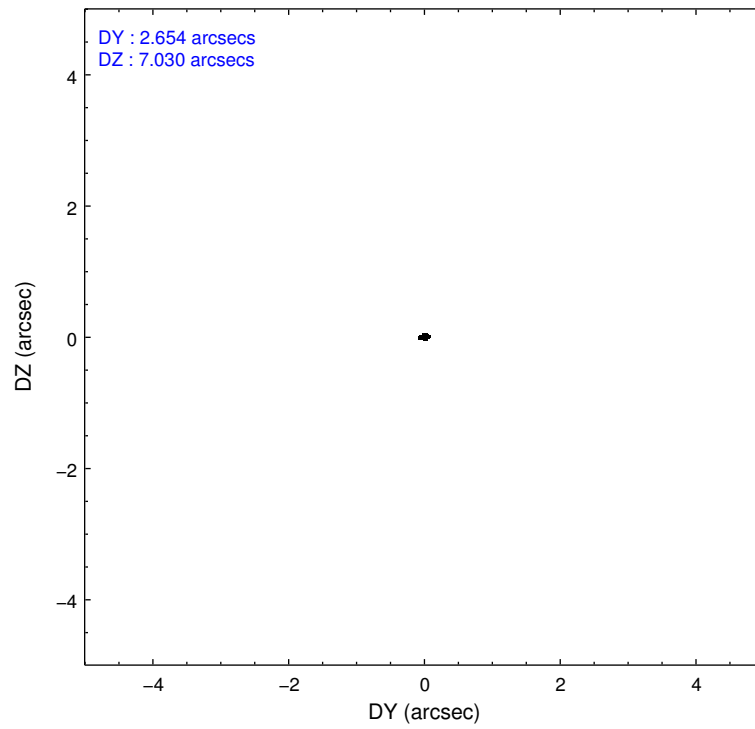
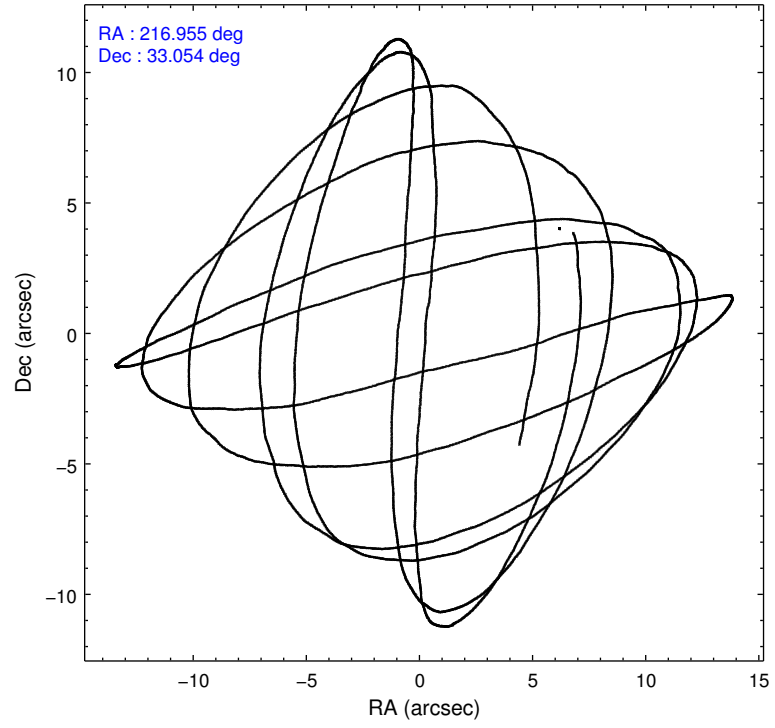
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21993	23359	24995	23670	24745
rejected events	19655	21003	22679	21477	22462
rejected %	89%	89%	90%	90%	90%

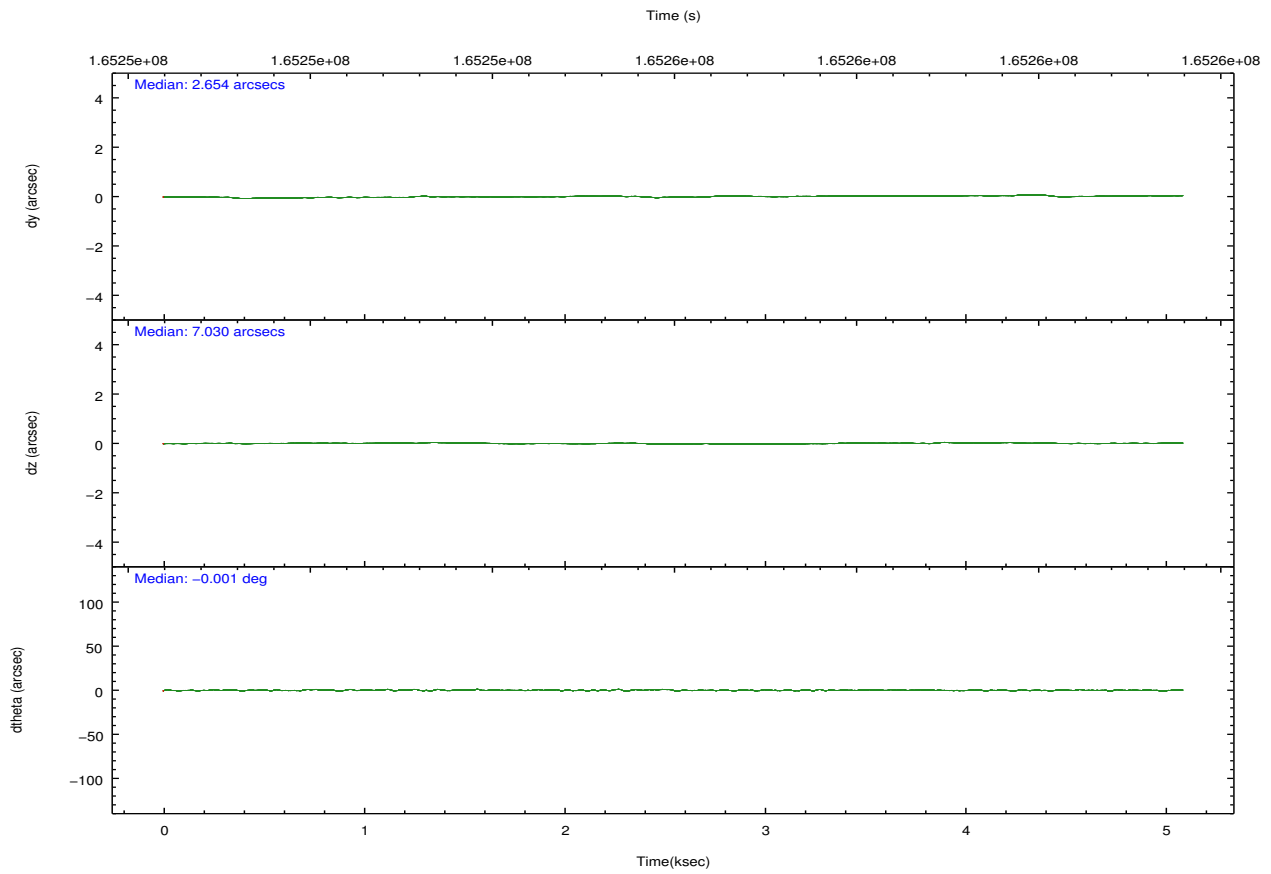
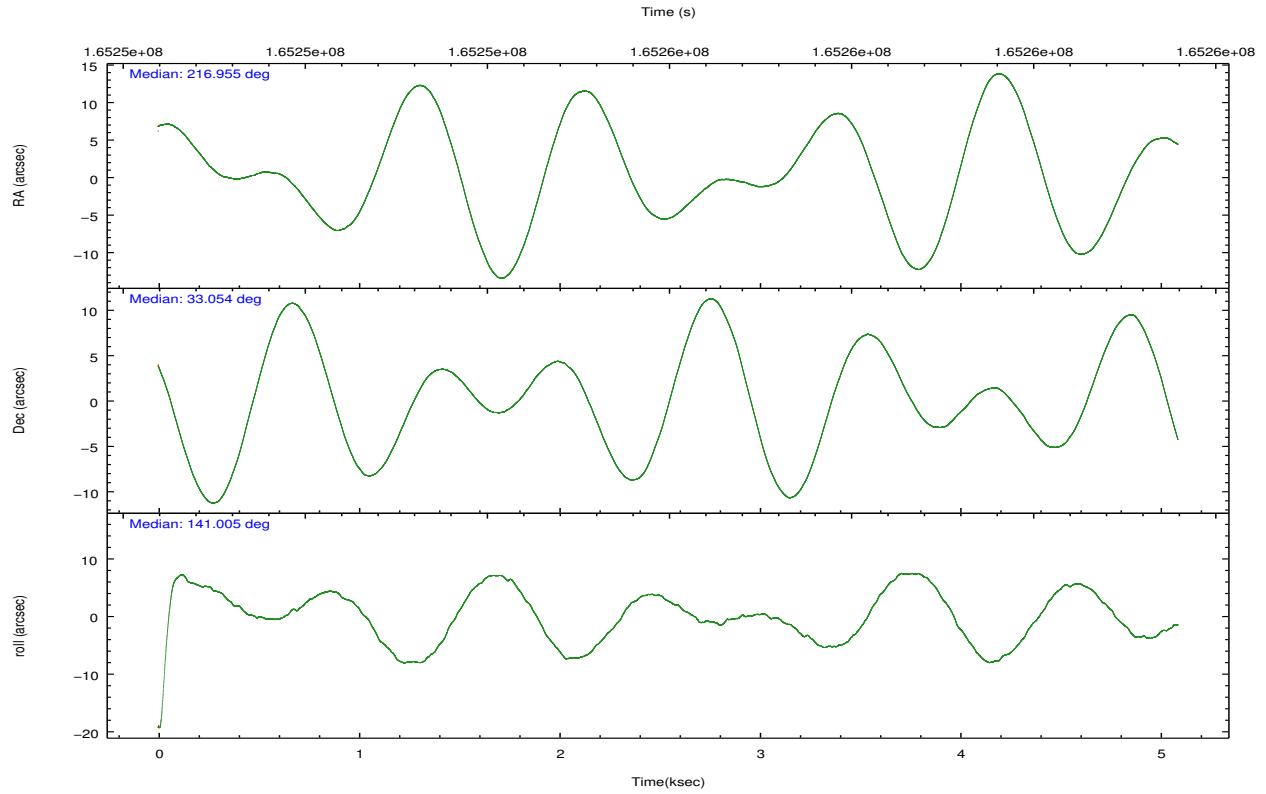
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	873	773	876	871	807
	3%	3%	3%	3%	3%
grade 1 events	11	16	8	12	11
	0%	0%	0%	0%	0%
grade 2 events	516	516	531	452	486
	2%	2%	2%	1%	1%
grade 3 events	300	307	265	256	259
	1%	1%	1%	1%	1%
grade 4 events	249	289	274	234	254
	1%	1%	1%	0%	1%
grade 5 events	680	731	599	803	775
	3%	3%	2%	3%	3%
grade 6 events	400	473	372	380	479
	1%	2%	1%	1%	1%
grade 7 events	18964	20254	22070	20662	21674
	86%	86%	88%	87%	87%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	216.986852	216.9545814901406	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.049445	33.05359644818066	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783805	141.010034739717	[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)	165252630.184000	165252254.76911			
Observation start date	2003-03-28T15:29:26	2003-03-28T15:24:14			
[s] Observation end time (MET)	165257530.184000	165257664.71934			
Observation end date	2003-03-28T16:51:06	2003-03-28T16:54:24			
Read mode	TIMED	TIMED			

## 2.3 Aspect





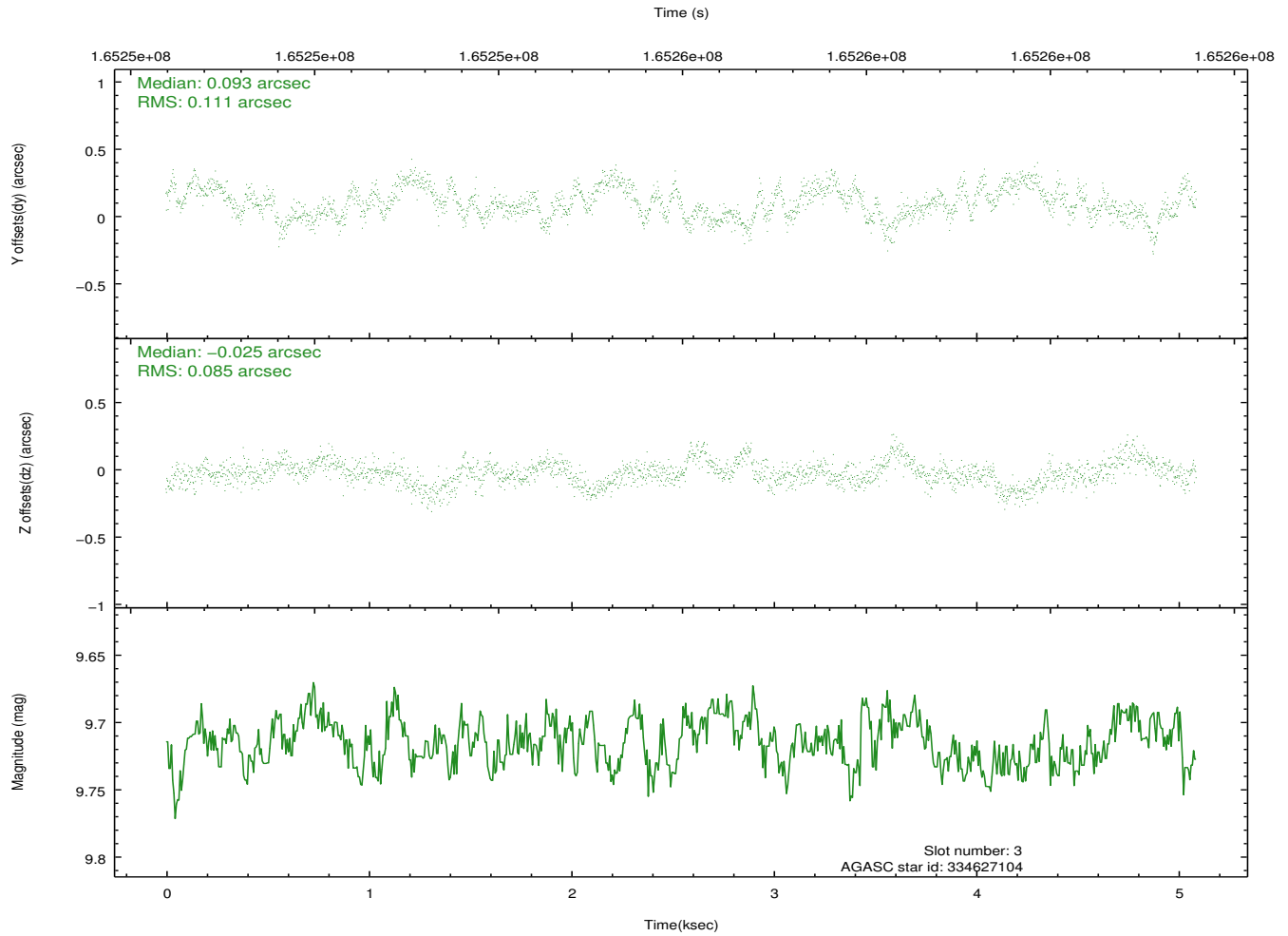
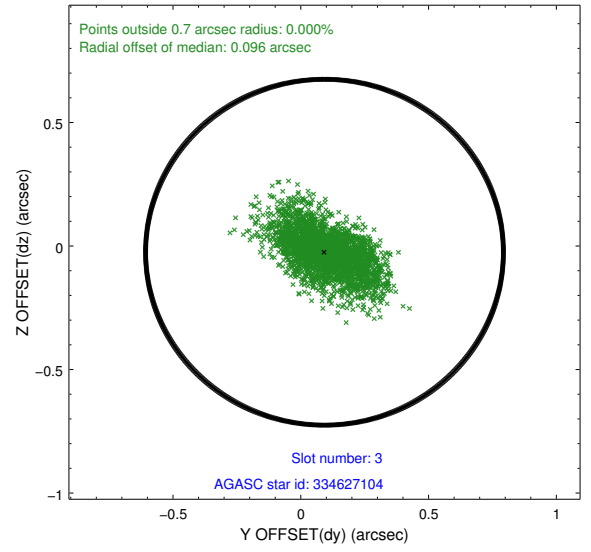
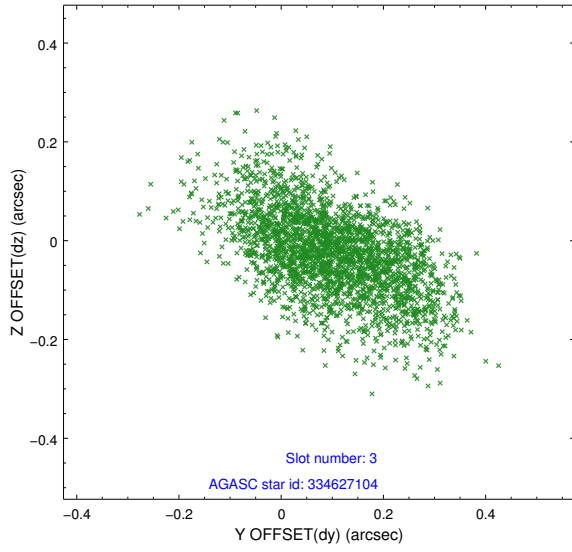
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1242	0.013	0.005	0.006	0.010	0.000000	0.000000	937.15	-830.43
1	FID	ACIS-I-5	7.24	1242	-0.079	0.056	0.006	0.011	0.000000	0.000000	-1810.35	1066.56
2	FID	ACIS-I-6	7.26	1242	-0.025	0.009	0.007	0.011	0.000000	0.000000	401.41	1712.33
3	GUIDE	334627104	9.71	2483	0.093	-0.025	0.148	0.248	217.006799	32.294654	-1765.01	2066.90
4	GUIDE	335021200	8.86	2483	-0.133	-0.151	0.091	0.146	216.377257	32.627867	475.02	2341.25
5	GUIDE	335028240	9.16	2481	0.099	0.029	0.071	0.119	216.746851	33.385009	1323.91	-479.13
6	GUIDE	335029384	8.49	2483	-0.006	0.134	0.073	0.116	217.848061	33.088477	-1916.28	-1759.48
7	GUIDE	335030152	9.72	2482	-0.064	0.008	0.097	0.152	216.202154	33.091054	1933.11	1373.15

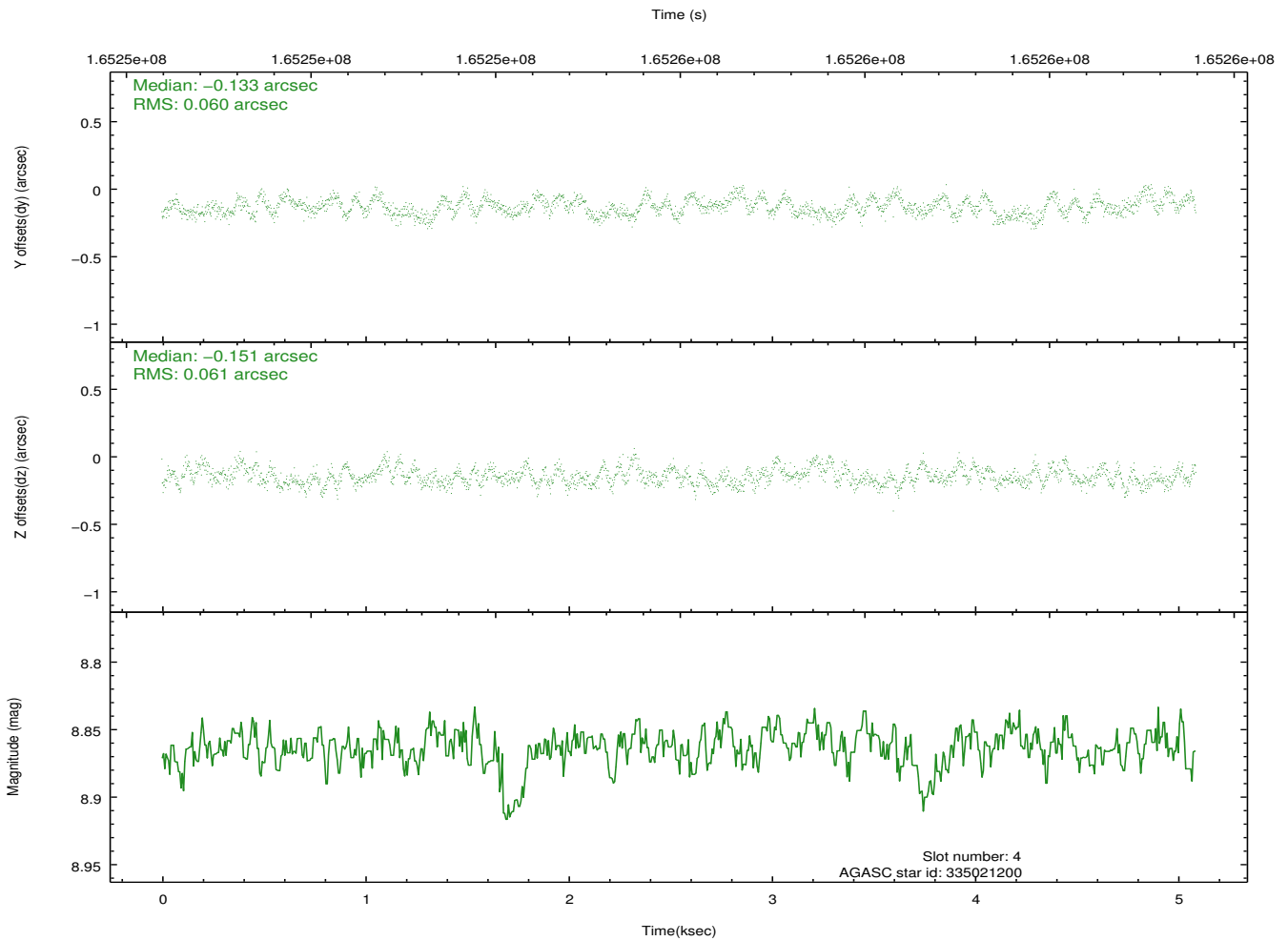
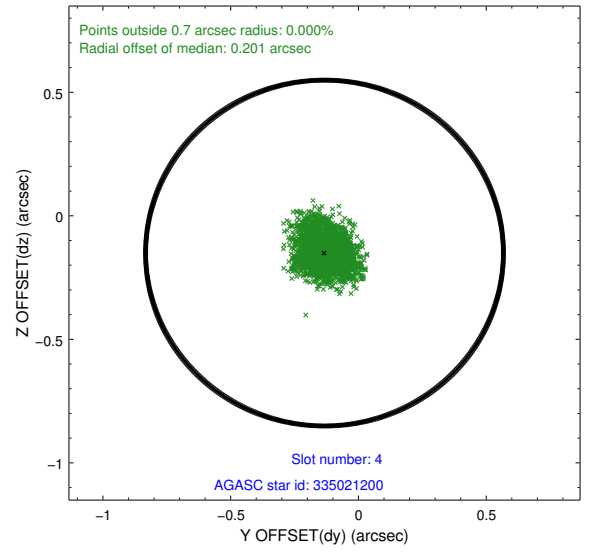
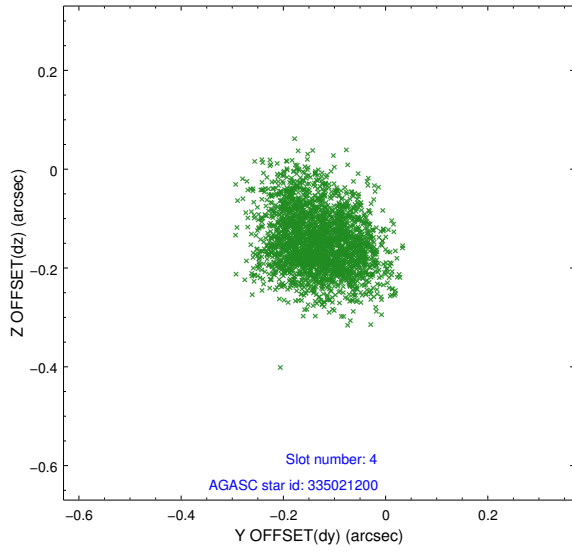
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## 2.4 Star Slots

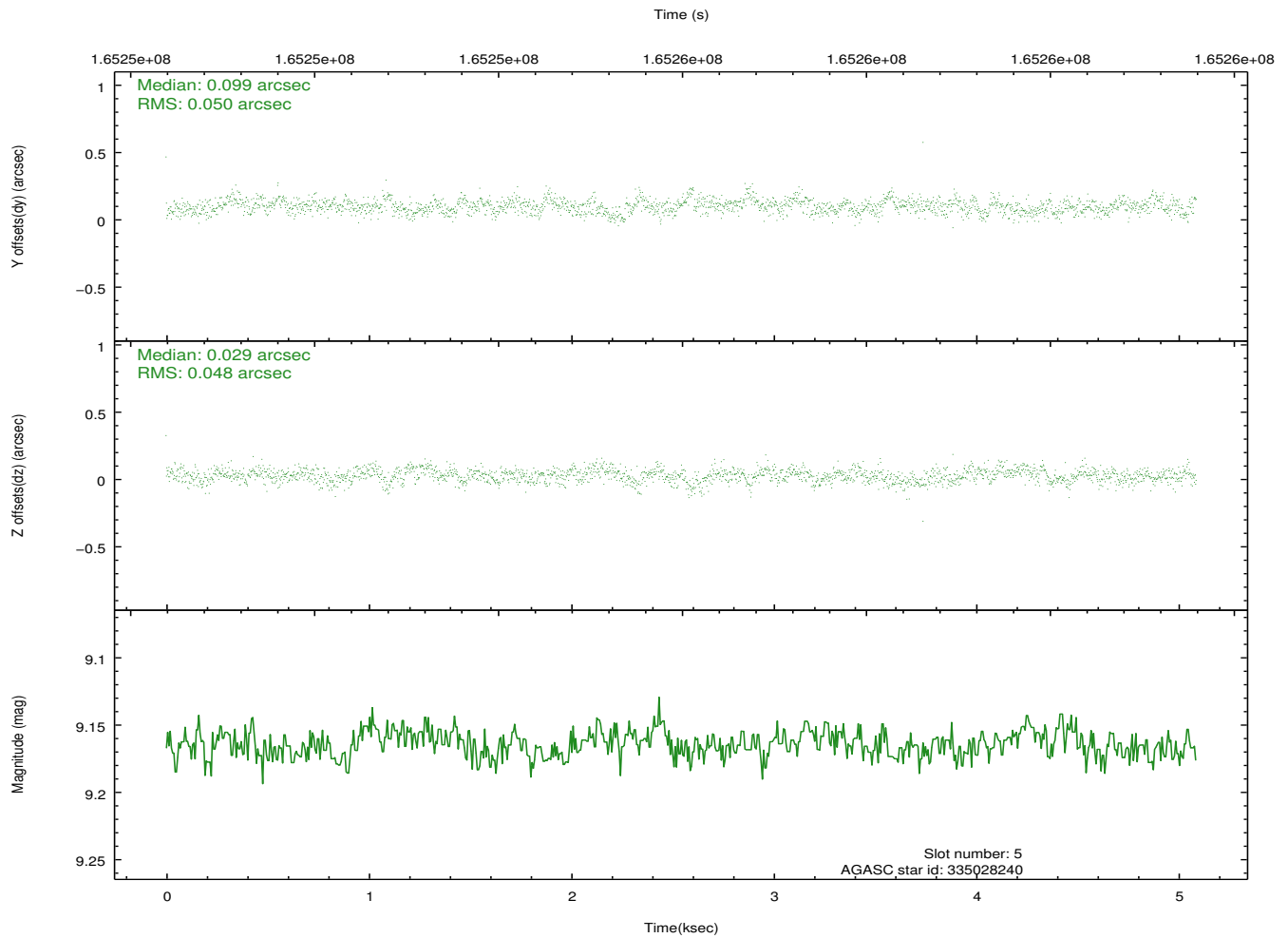
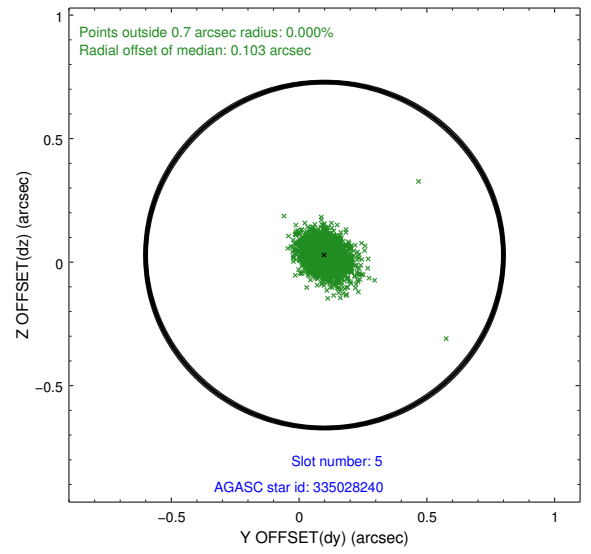
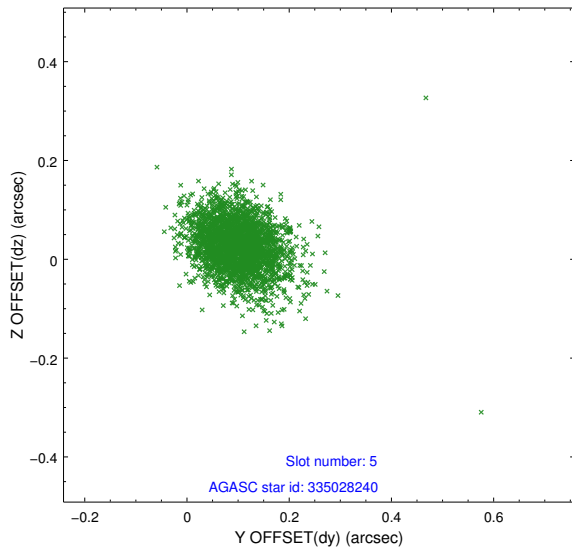
### 2.4.1 Slot 3



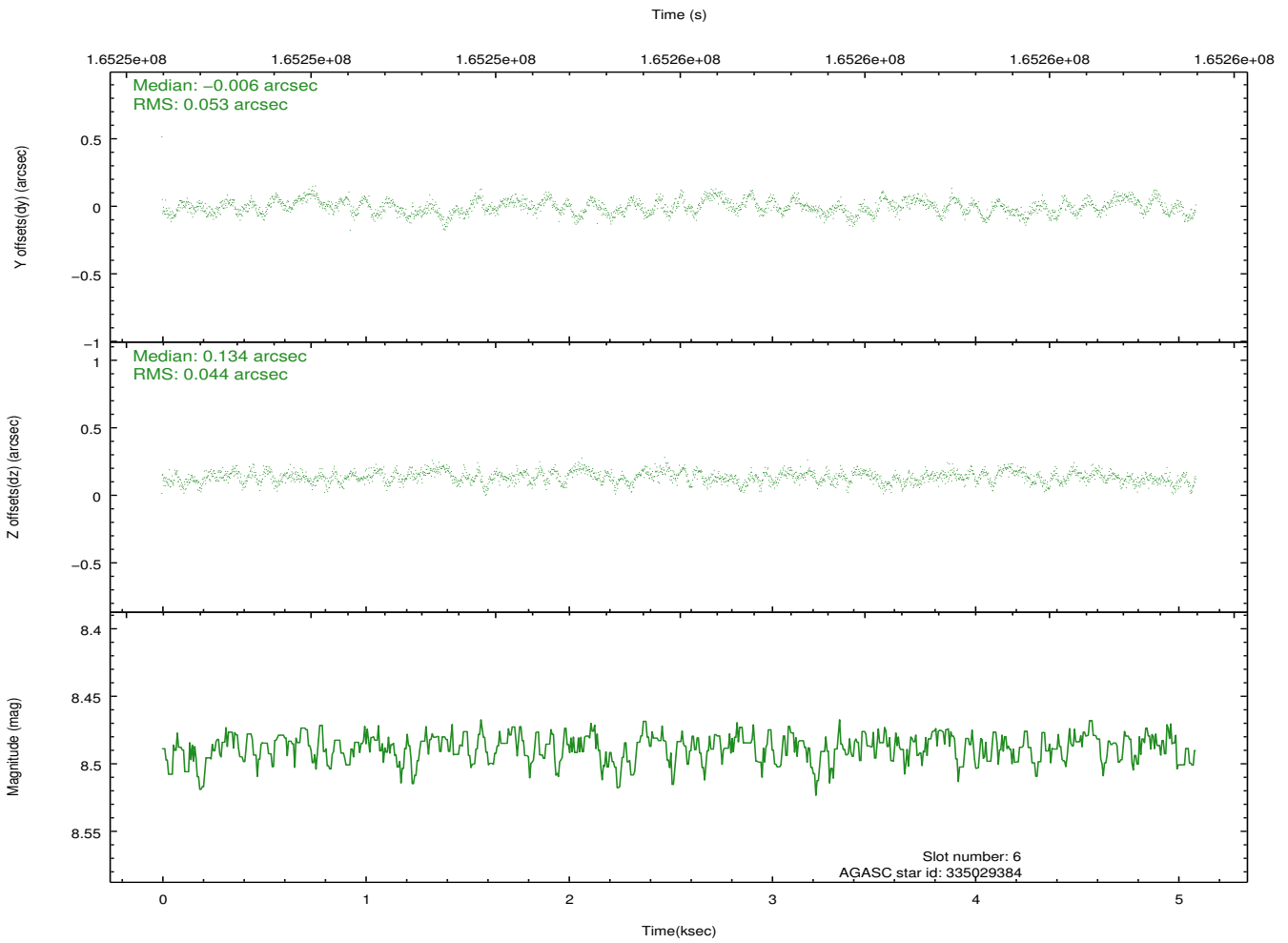
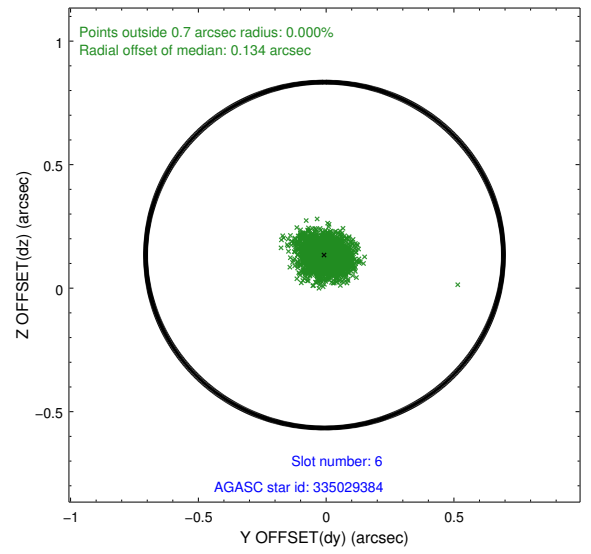
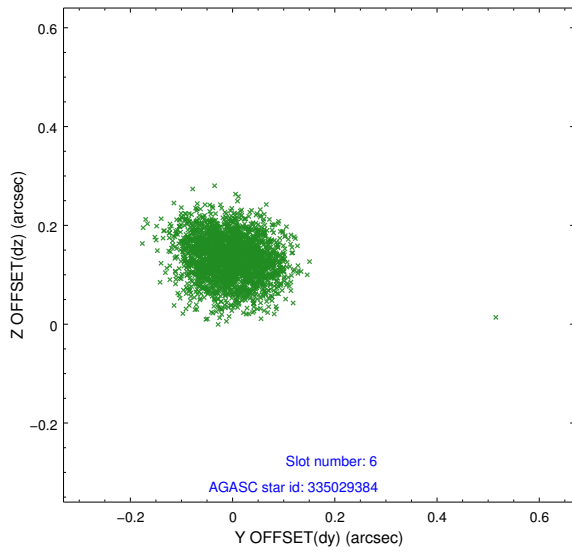
## 2.4.2 Slot 4



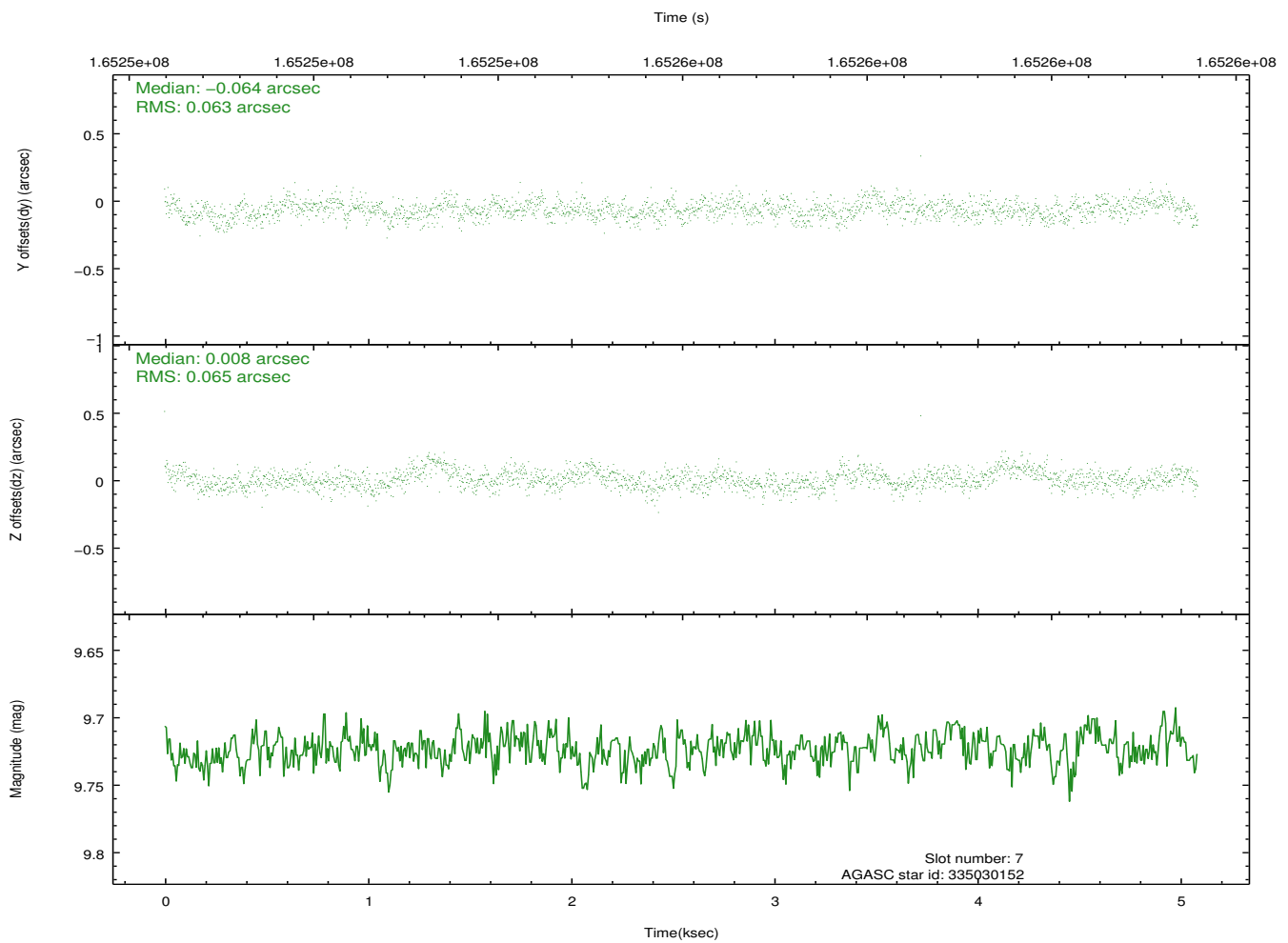
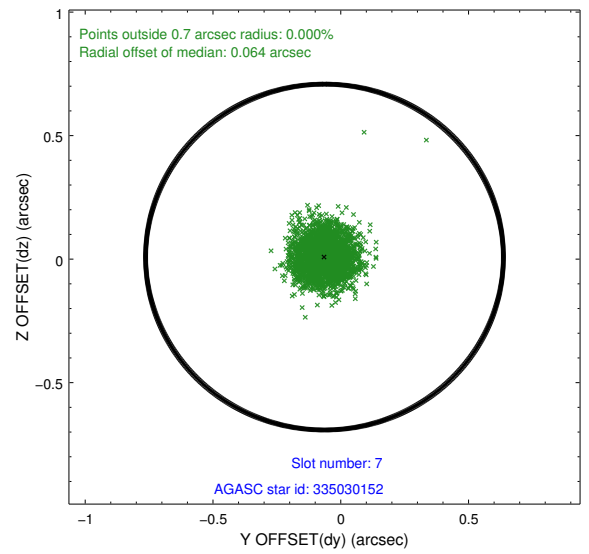
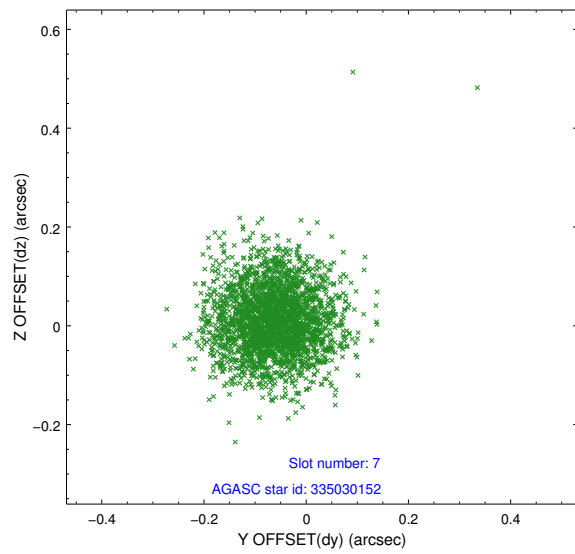
### 2.4.3 Slot 5



## 2.4.4 Slot 6

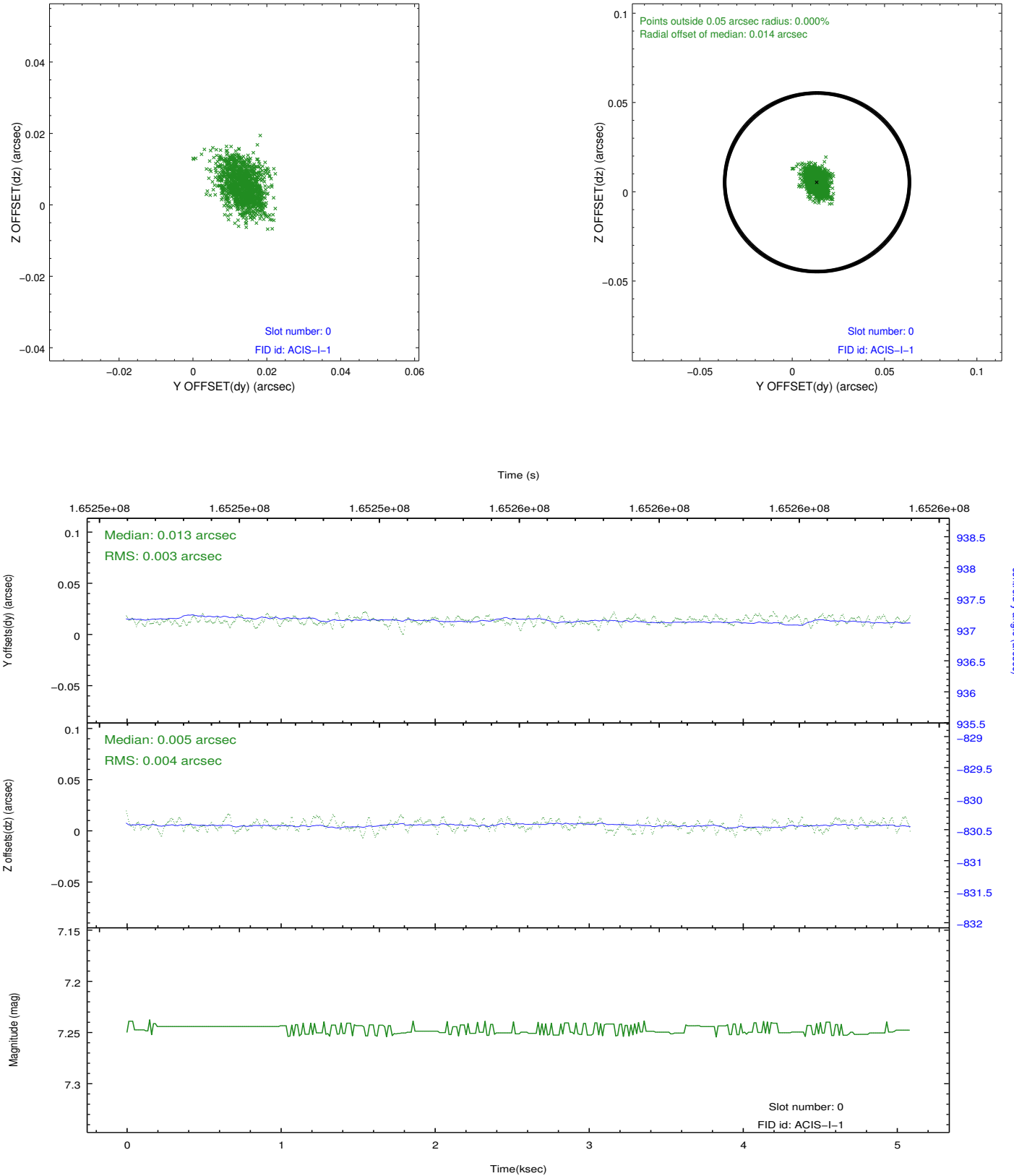


## 2.4.5 Slot 7

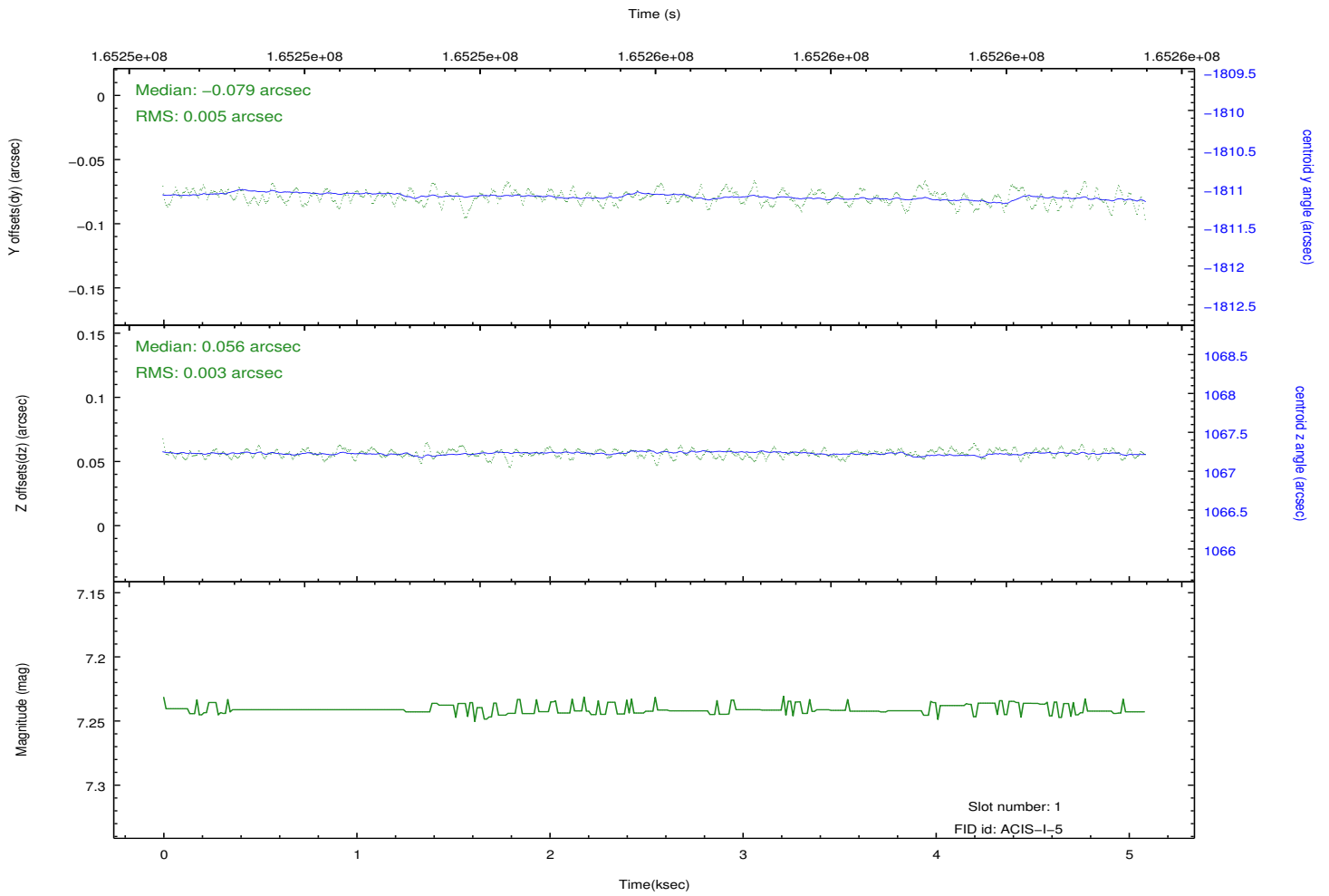
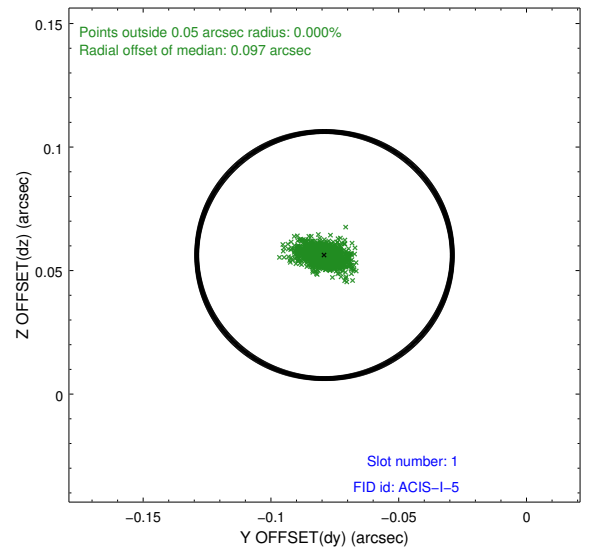
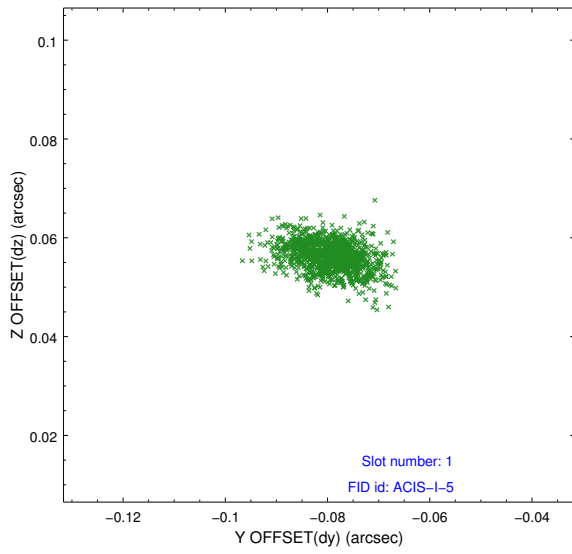


## 2.5 FID Slots

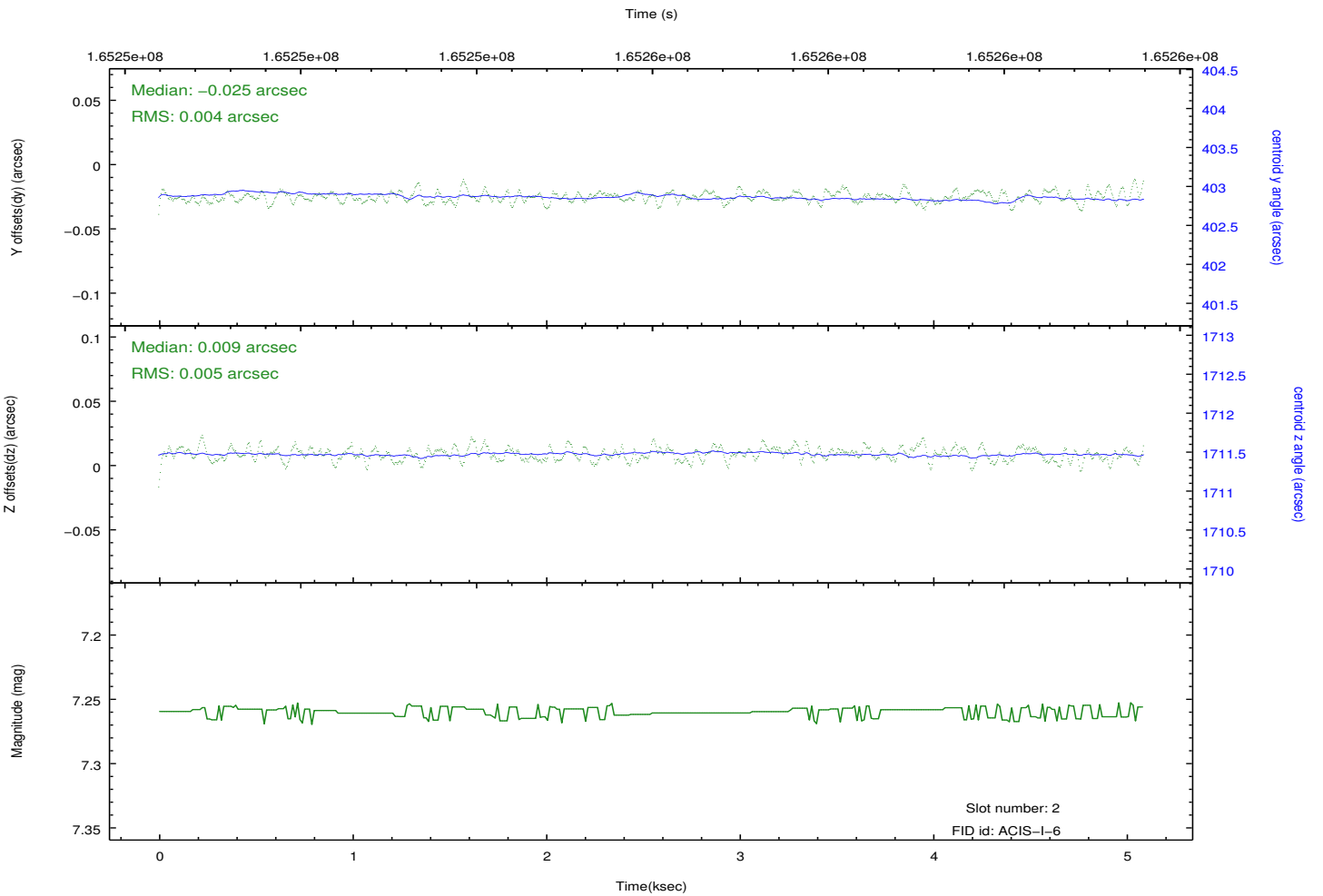
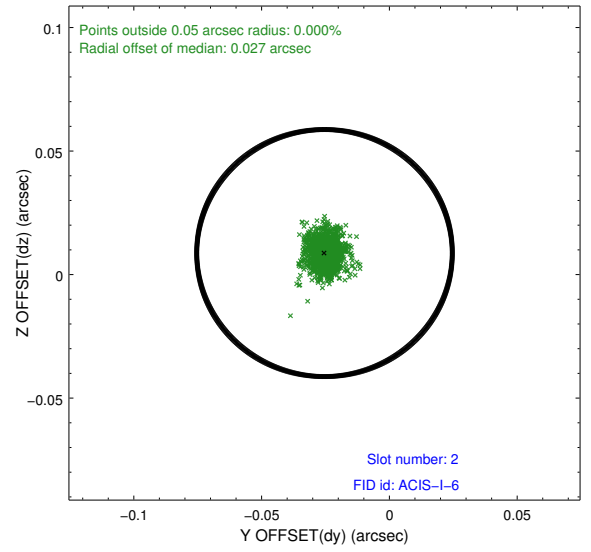
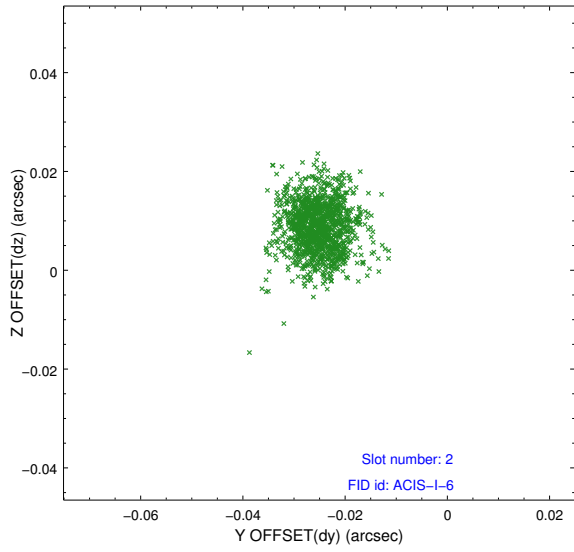
### 2.5.1 Slot 0



## 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)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.674

## A.2 Comments