

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9329 - L2 Version 2  
Chandra X-Ray Center

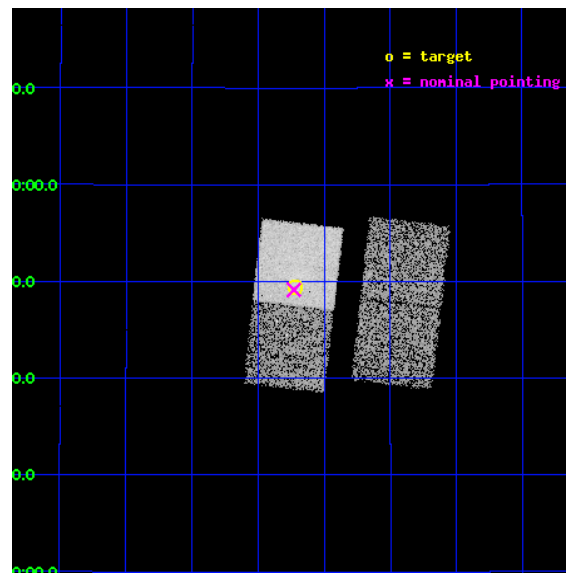
L2 Processing Date : May 11 2012

## 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

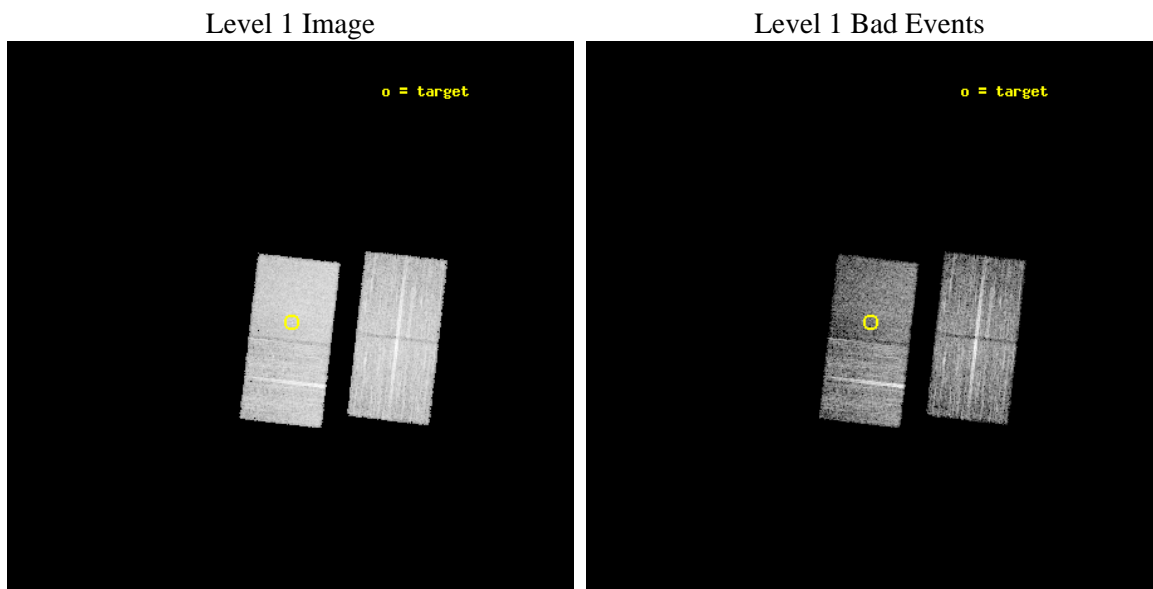
seq_num	701769	Sequence number
obs_id	9329	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C132	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	74.179167	Observer's specified target RA [deg]
dec_targ	22.822778	Observer's specified target Dec [deg]
ra_nom	74.182405258302	Nominal RA [deg]
dec_nom	22.819018886161	Nominal Dec [deg]
roll_nom	276.48962483102	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7792.5515682697	Sum of GTIs [s]
livetime	7690.7361452373	Livetime [s]
ontime2	7786.1465175152	Sum of GTIs [s]
ontime3	7792.4695081115	Sum of GTIs [s]
ontime6	7792.5105282664	Sum of GTIs [s]
ontime7	7792.5515682697	Sum of GTIs [s]
l2events	47734	Number of level 2 events



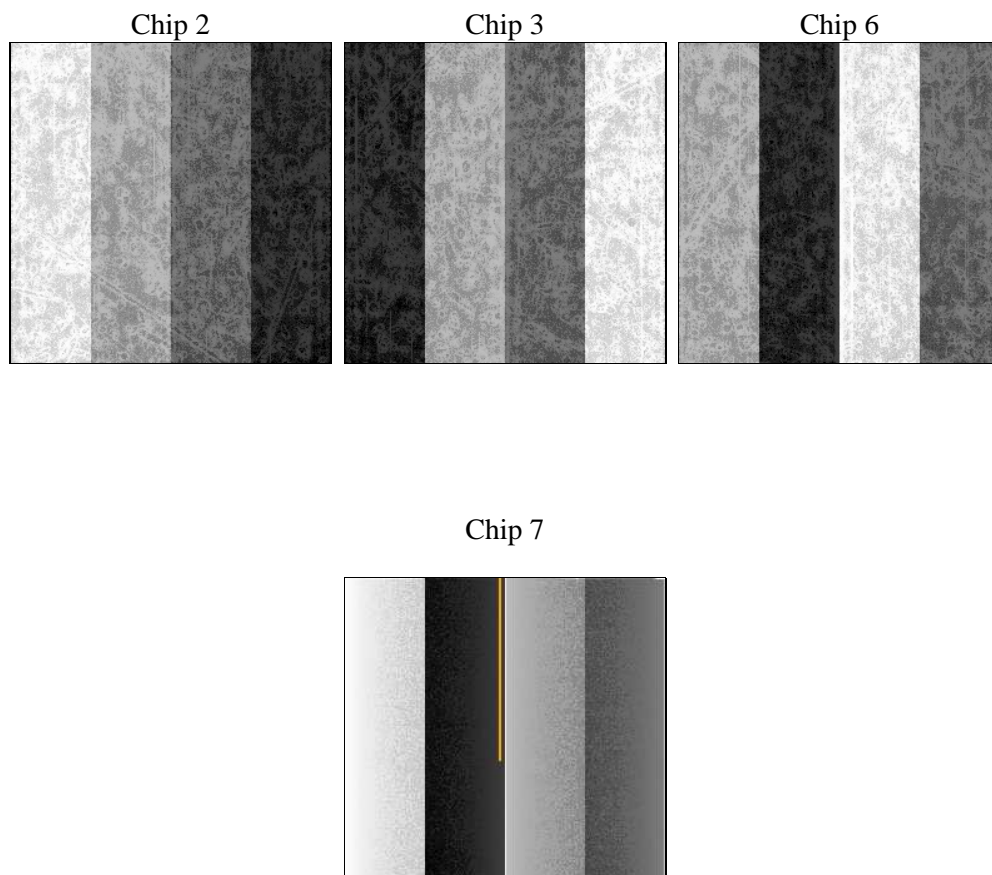
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7792.5515682697	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	7786.1465175152	Sum of GTIs [s]
date	2012-05-12T01:00:36	Date and time of file creation	ontime3	7792.4695081115	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7792.5105282664	Sum of GTIs [s]
			ontime7	7792.5515682697	Sum of GTIs [s]
			l1events	258847	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	64275	59011	64040	71521
rejected events	58010	53058	57471	38817
rejected %	90%	89%	89%	54%

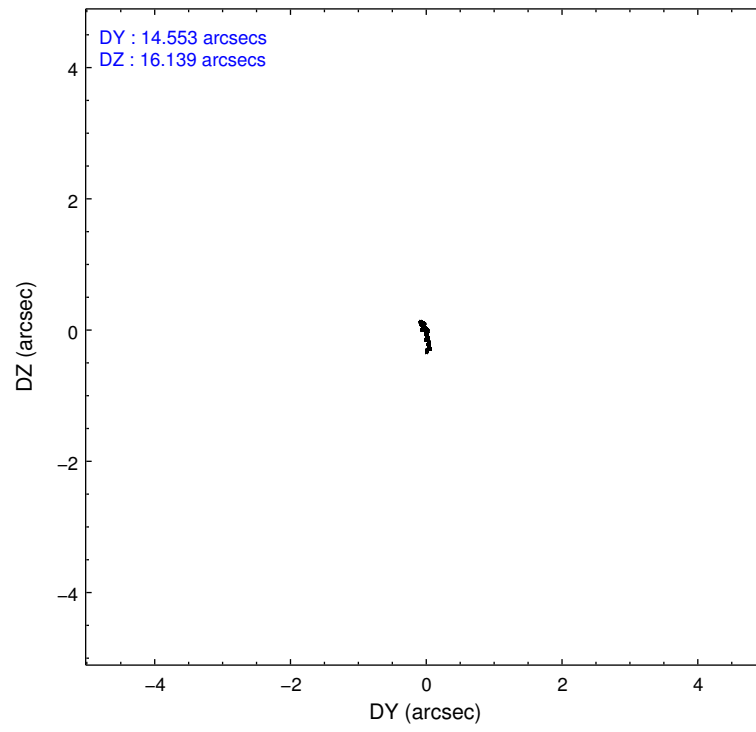
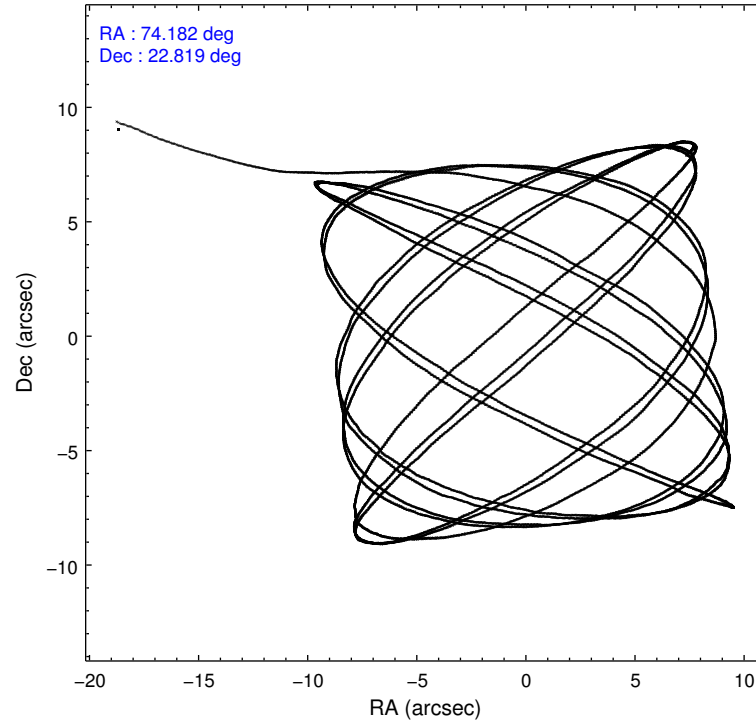
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2284	2107	2341	3139
	3%	3%	3%	4%
grade 1 events	33	39	30	89
	0%	0%	0%	0%
grade 2 events	1478	1299	1386	6746
	2%	2%	2%	9%
grade 3 events	658	674	757	3025
	1%	1%	1%	4%
grade 4 events	680	671	698	3070
	1%	1%	1%	4%
grade 5 events	2064	2433	2629	7478
	3%	4%	4%	10%
grade 6 events	1166	1205	1393	16733
	1%	2%	2%	23%
grade 7 events	55912	50583	54806	31241
	86%	85%	85%	43%

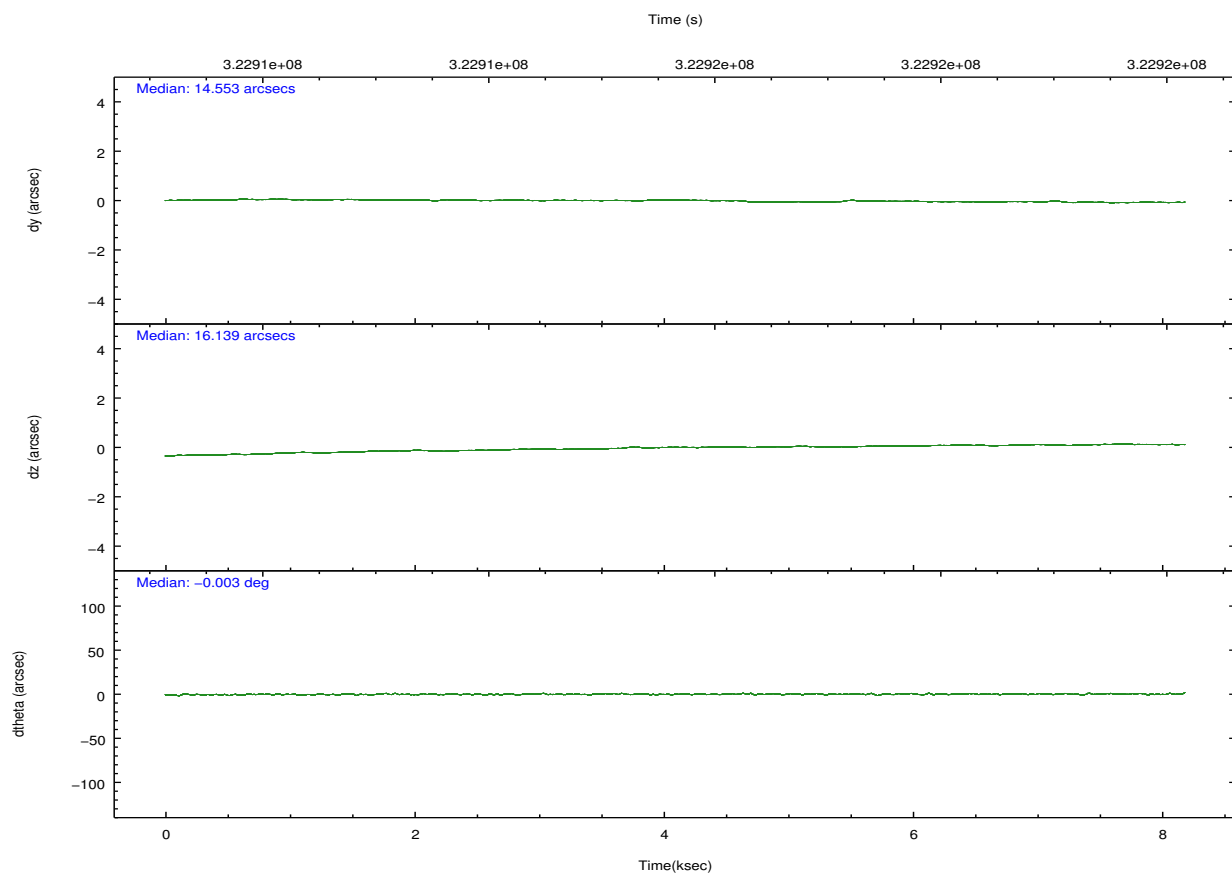
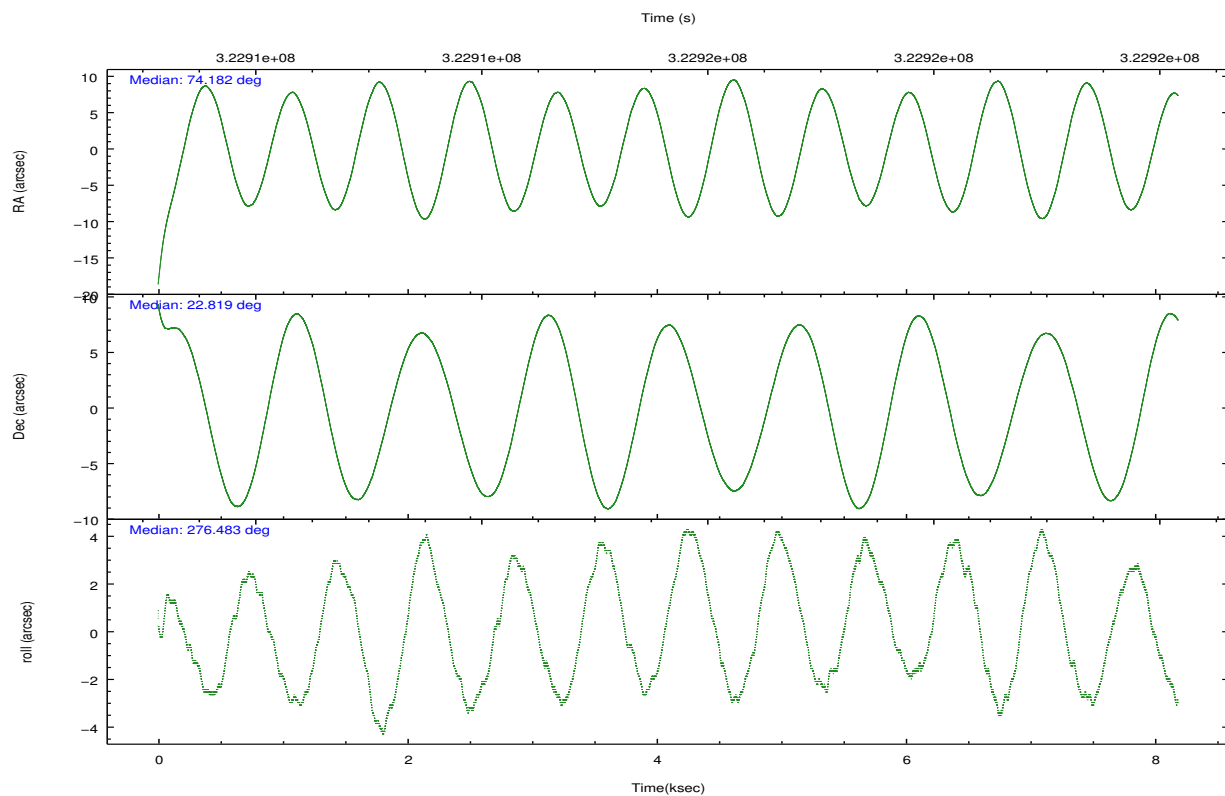


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	74.164453	74.18240525830214	Subarray requested	NONE	NONE
[deg] Pointing Dec	22.840721	22.81901888616103	Alternating exposures requested	N	N
[deg] Pointing Roll	276.339975	276.4896248310156	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	322911731.184000	322910792.49847			
Observation start date	2008-03-26T09:41:06	2008-03-26T09:26:32			
[s] Observation end time (MET)	322919731.184000	322920531.02395			
Observation end date	2008-03-26T11:54:26	2008-03-26T12:08:51			
Read mode	TIMED	TIMED			

## 2.3 Aspect



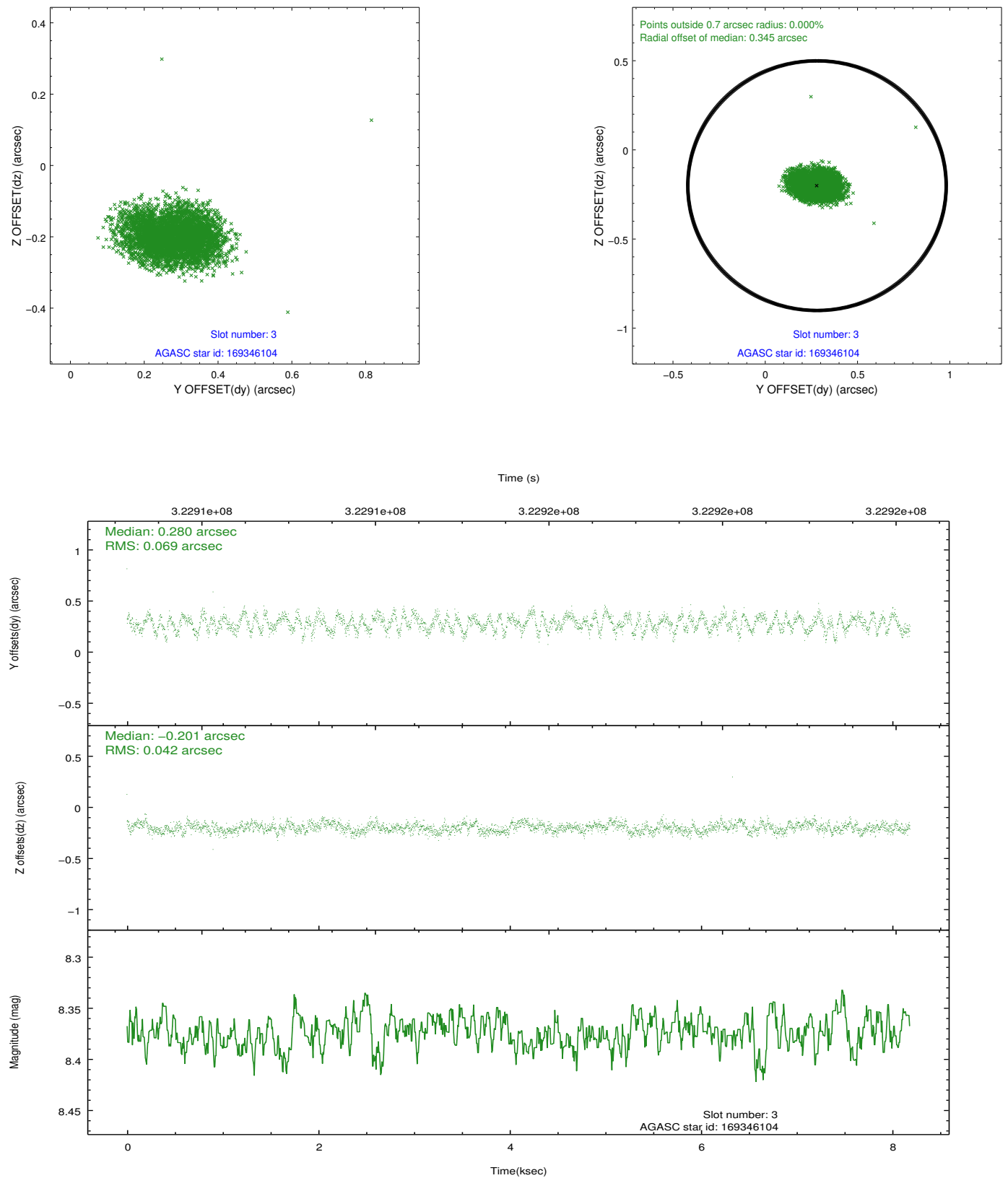


### Slot Statistics

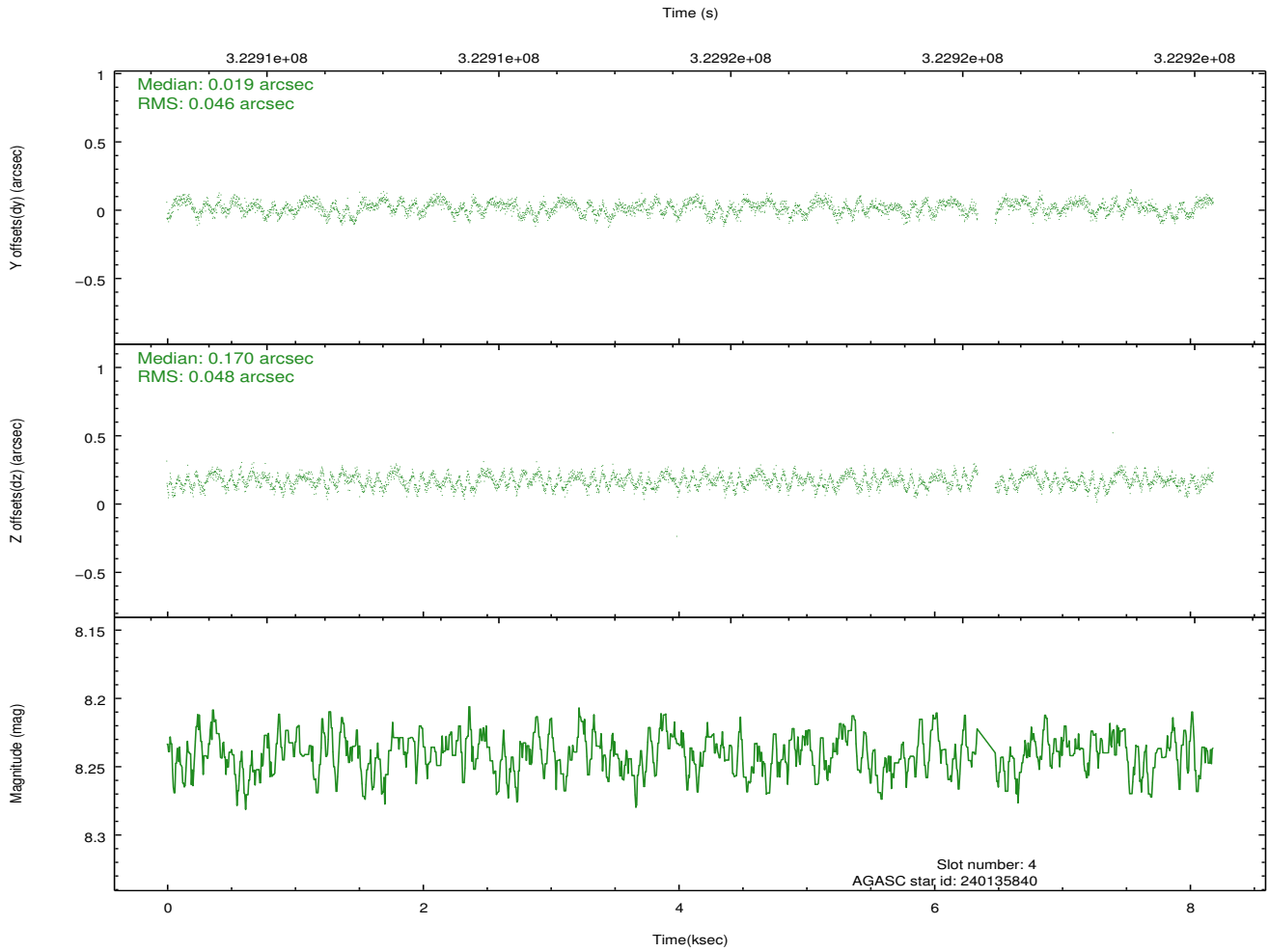
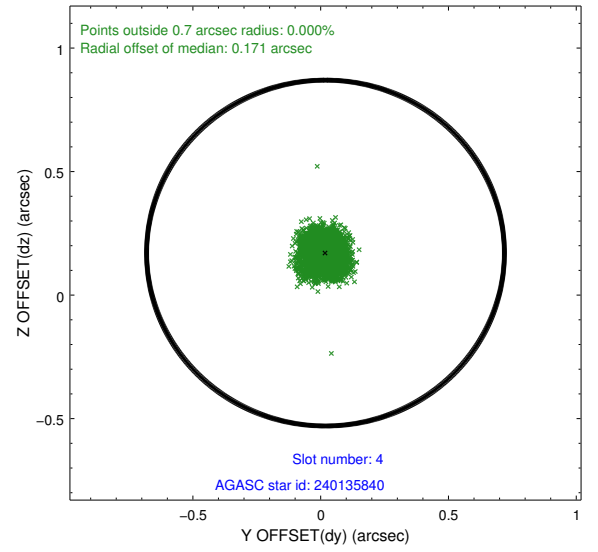
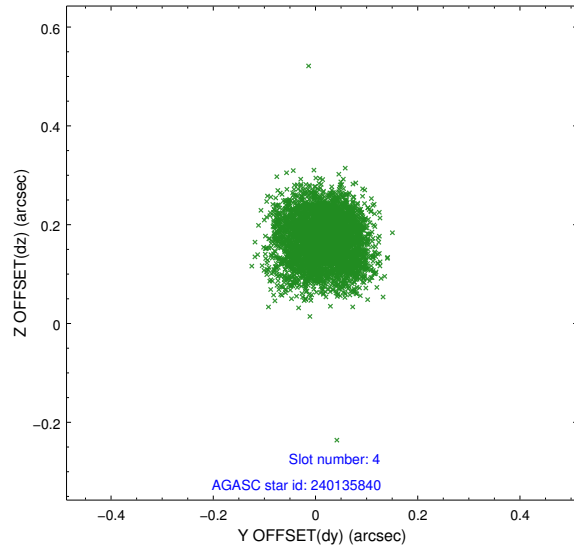
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1997	-0.118	-0.082	0.007	0.012	0.000000	0.000000	-767.66	-1737.51
1	FID	ACIS-S-4	7.18	1997	0.129	0.058	0.006	0.011	0.000000	0.000000	2145.60	170.33
2	FID	ACIS-S-6	7.32	1997	-0.039	0.031	0.007	0.011	0.000000	0.000000	395.34	808.52
3	GUIDE	169346104	8.37	3994	0.280	-0.201	0.085	0.135	73.705774	22.146485	2313.98	-1795.80
4	GUIDE	240135840	8.24	3927	0.019	0.170	0.072	0.110	74.807864	22.742976	581.92	2084.68
5	GUIDE	240136352	9.11	3991	-0.102	-0.083	0.094	0.150	73.539374	23.066220	-1038.99	-1967.09
6	GUIDE	240143320	7.67	3994	-0.229	0.054	0.063	0.102	74.148939	23.295695	-1632.62	130.03
7	GUIDE	240143544	6.91	3993	0.034	0.062	0.061	0.095	74.027646	22.576554	895.43	-556.25

## 2.4 Star Slots

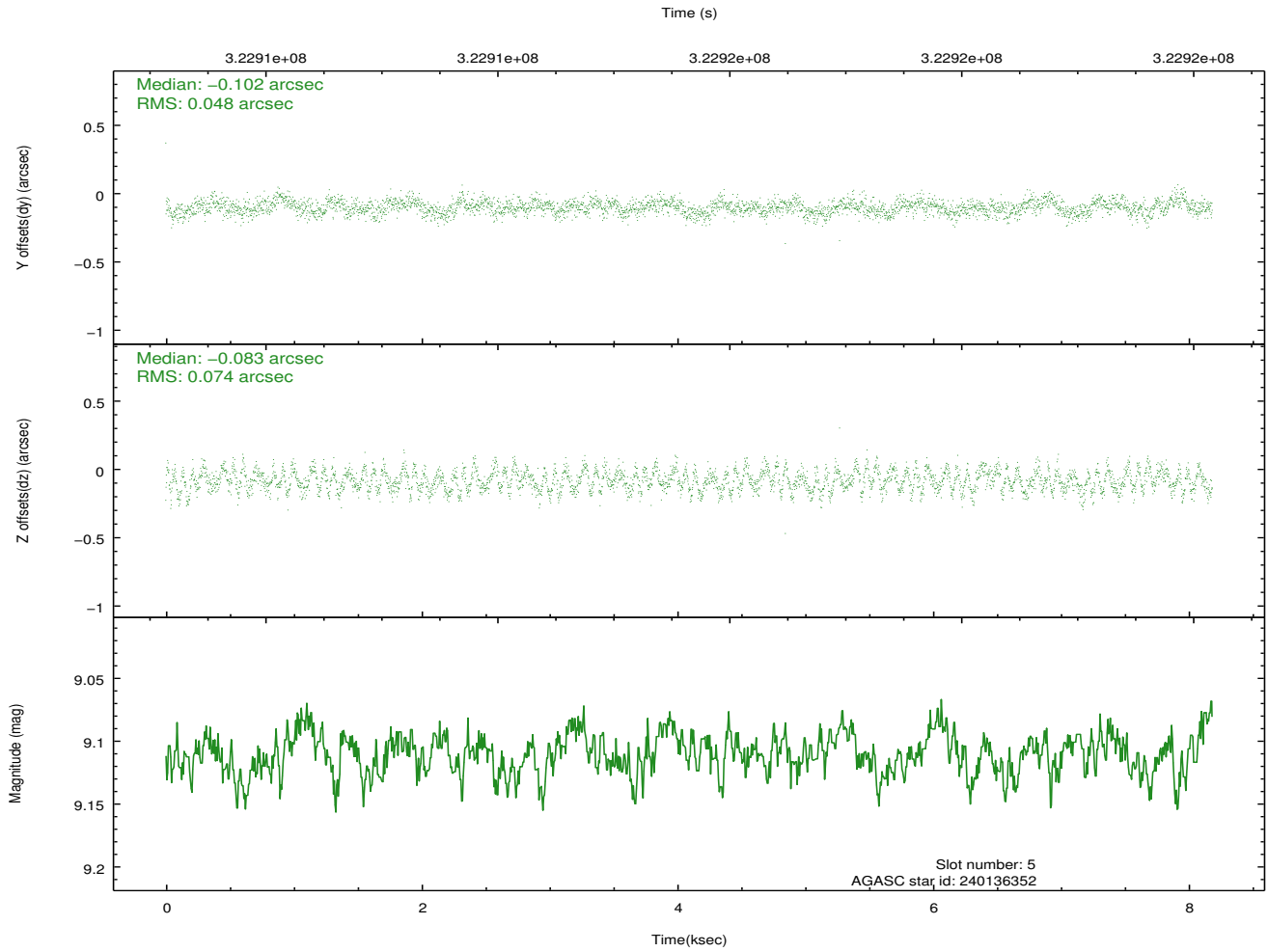
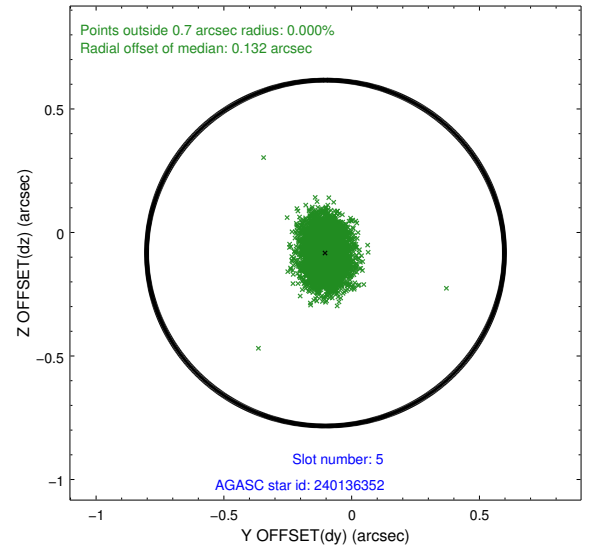
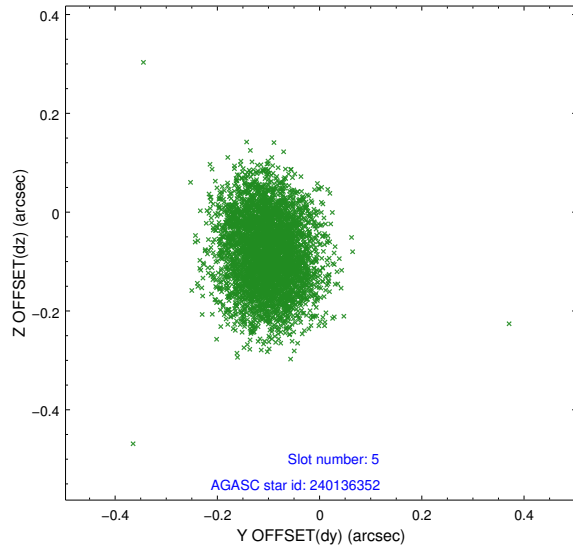
### 2.4.1 Slot 3



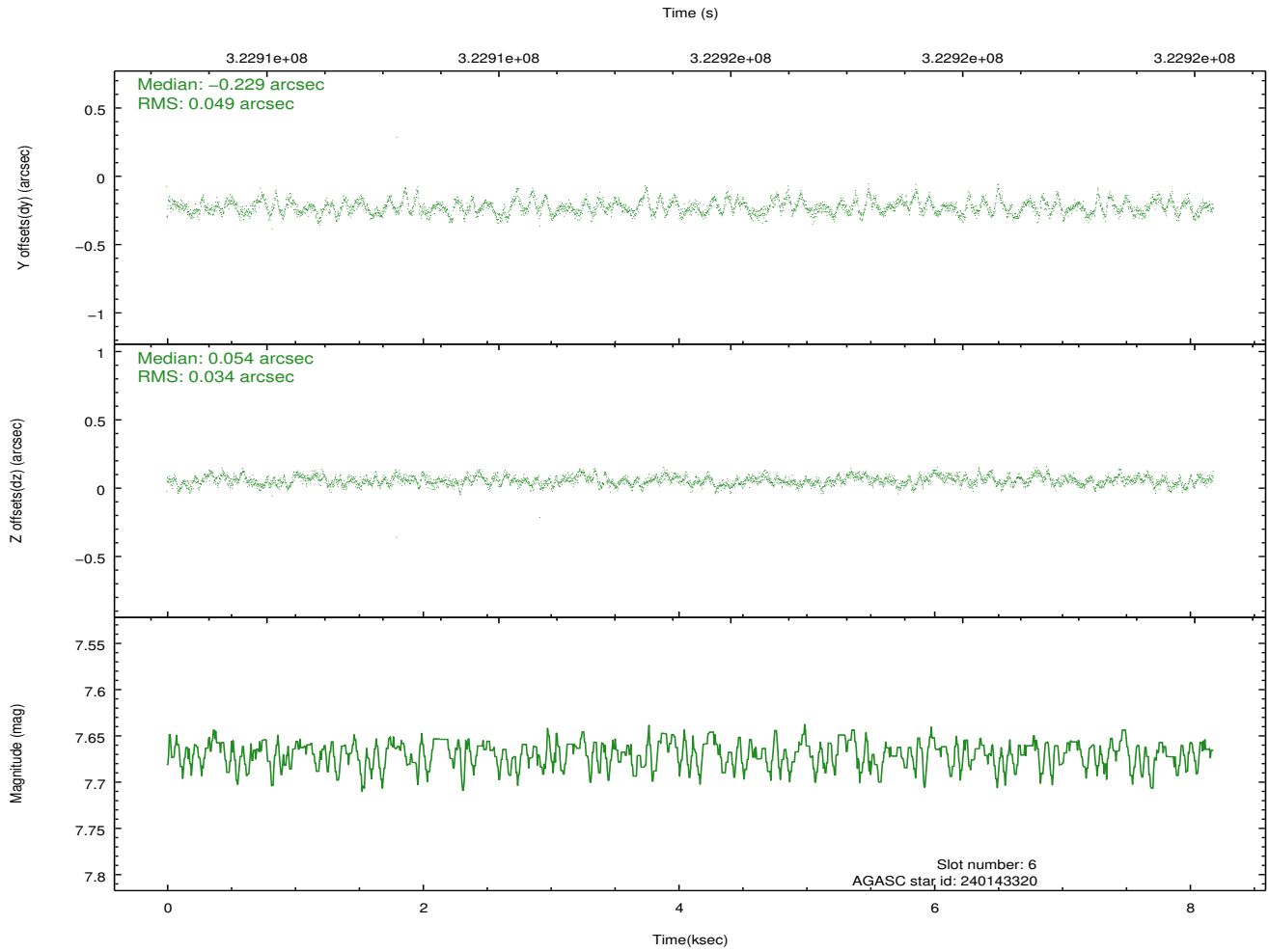
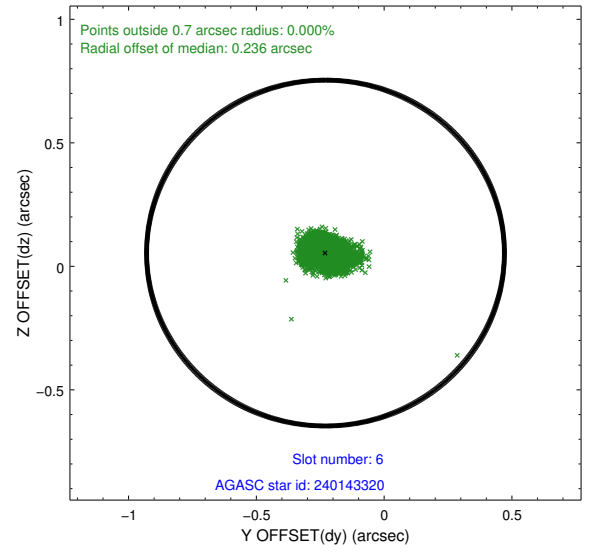
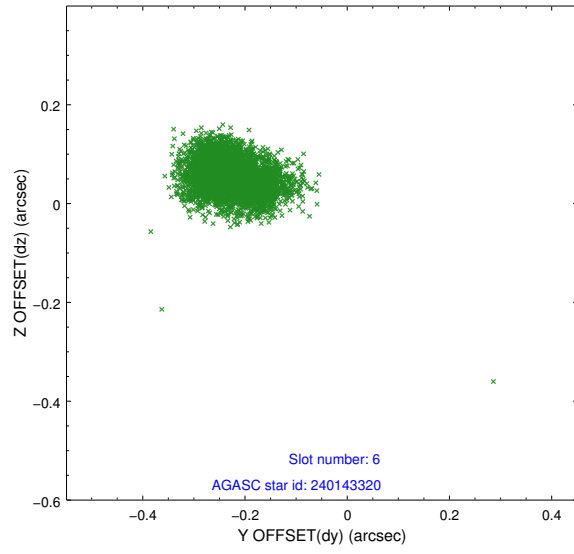
## 2.4.2 Slot 4



### 2.4.3 Slot 5

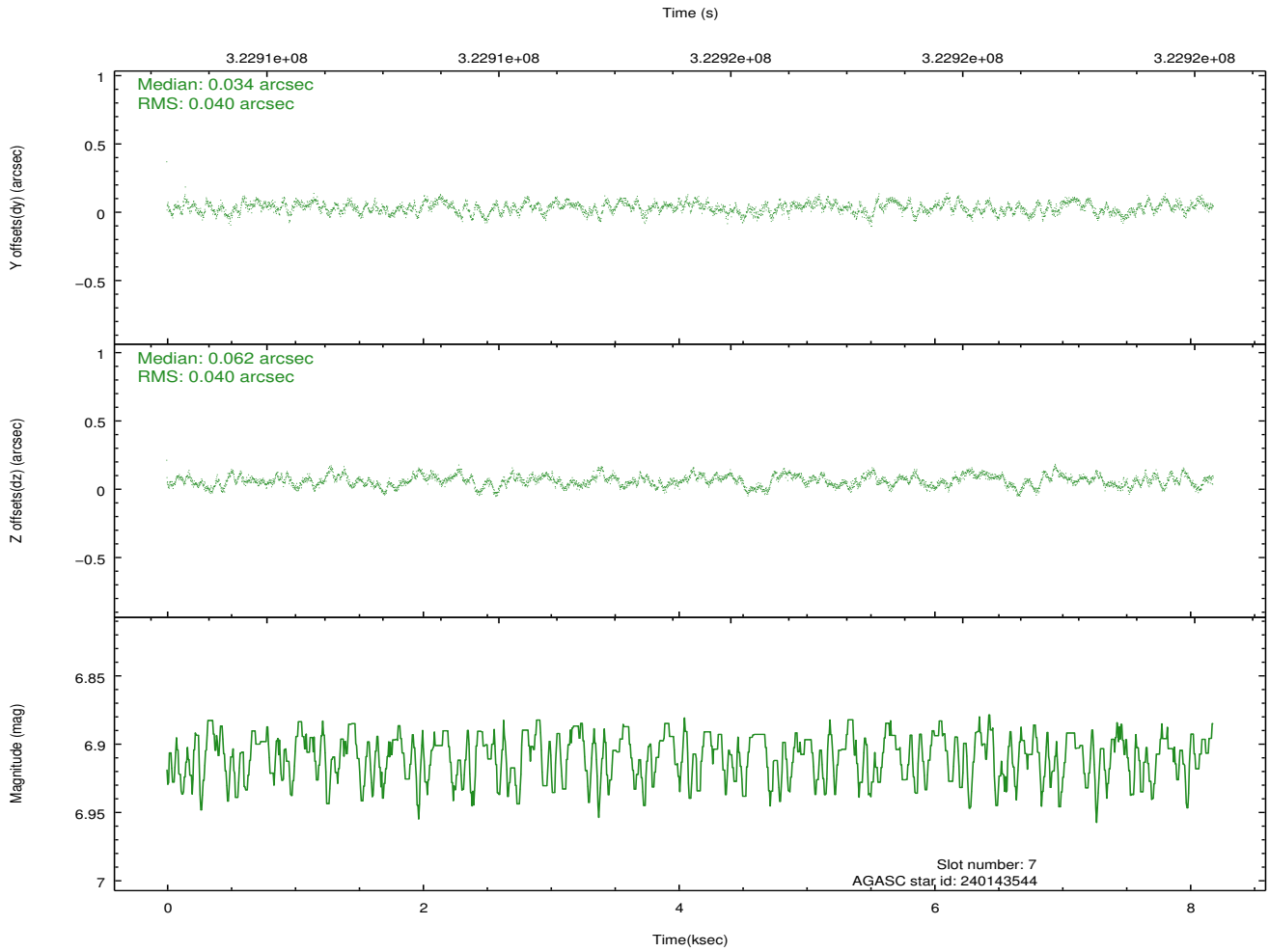
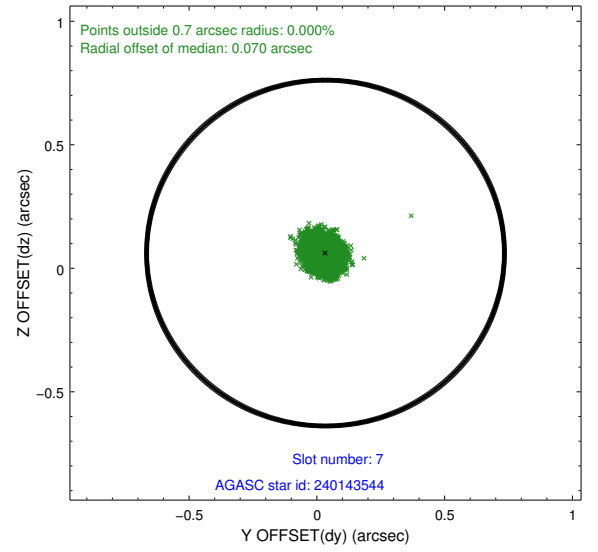
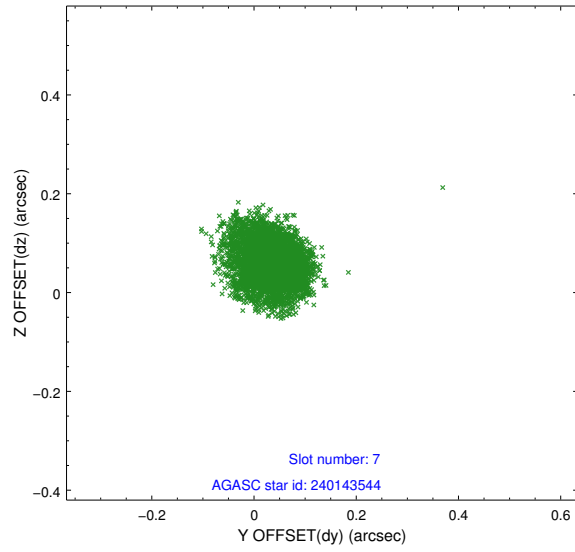


## 2.4.4 Slot 6



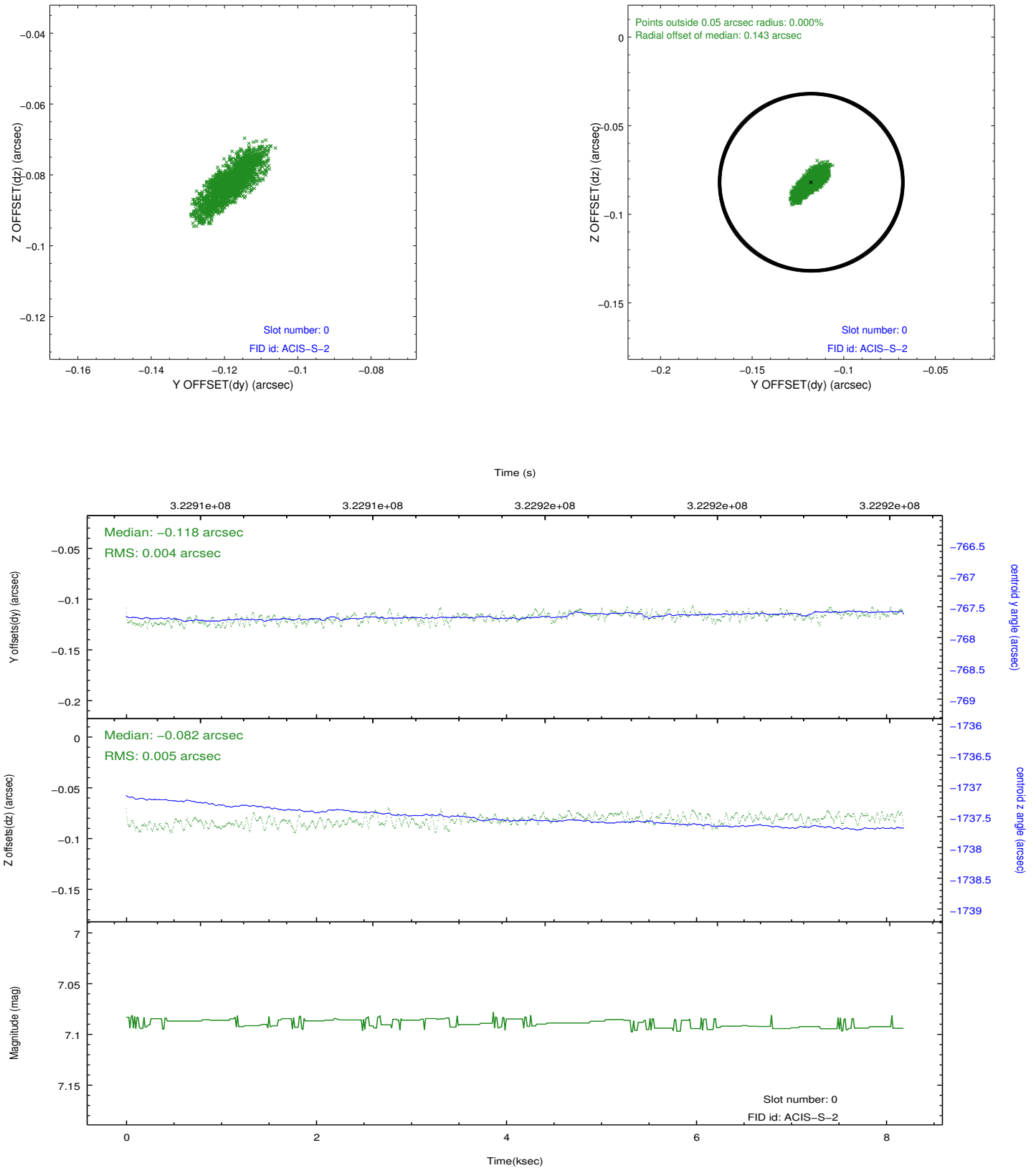


## 2.4.5 Slot 7

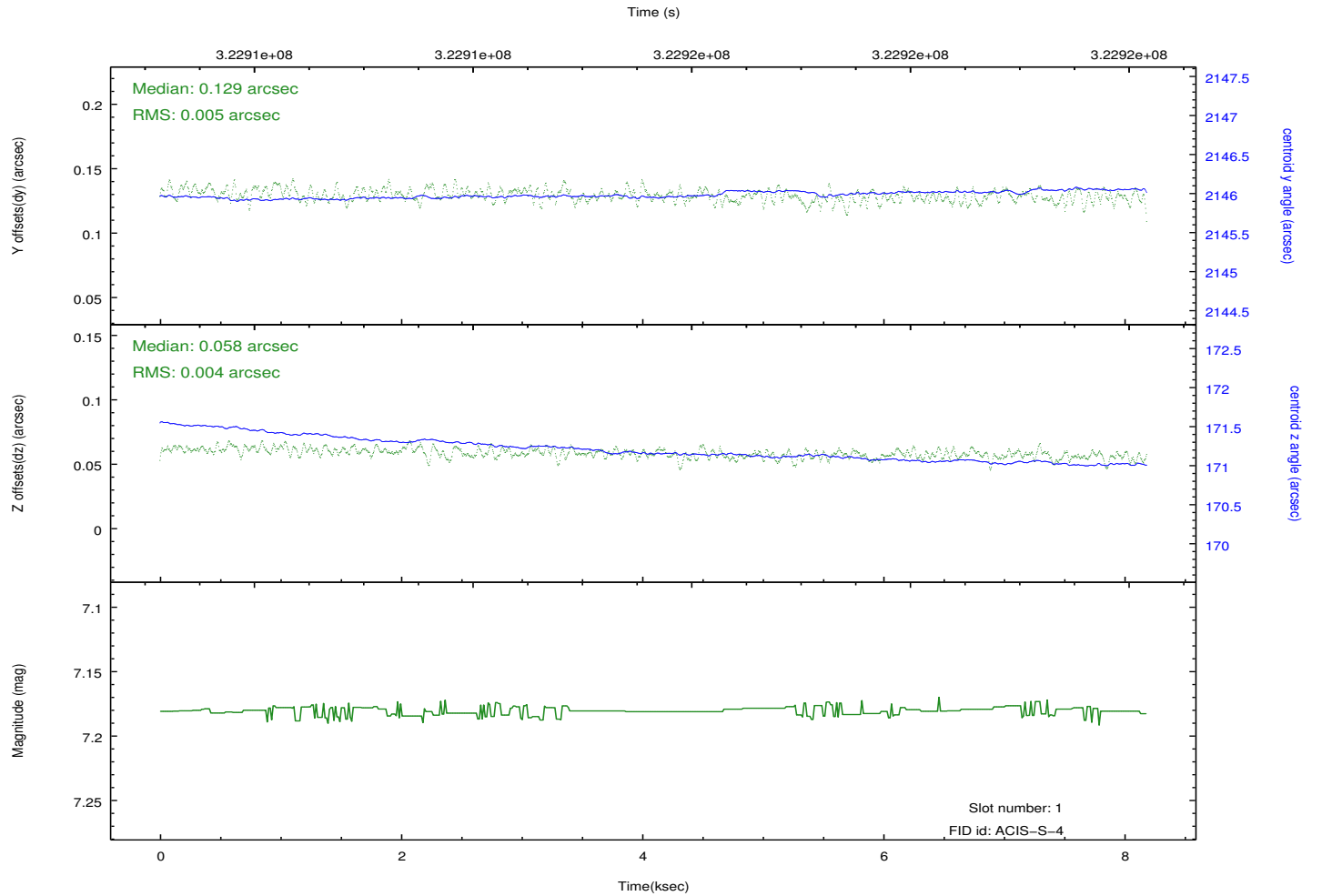
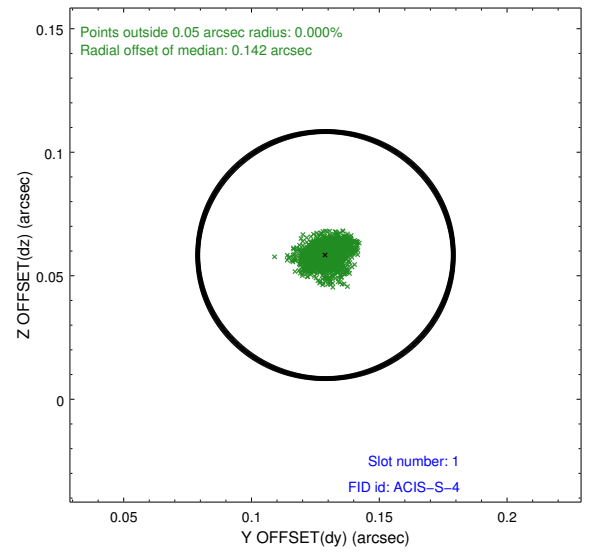
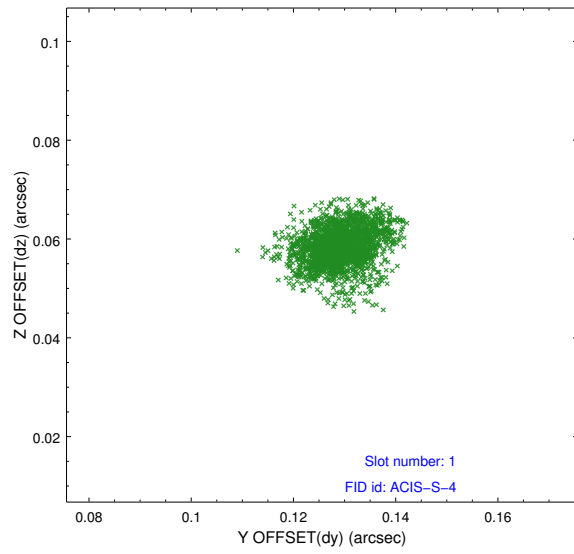


## 2.5 FID Slots

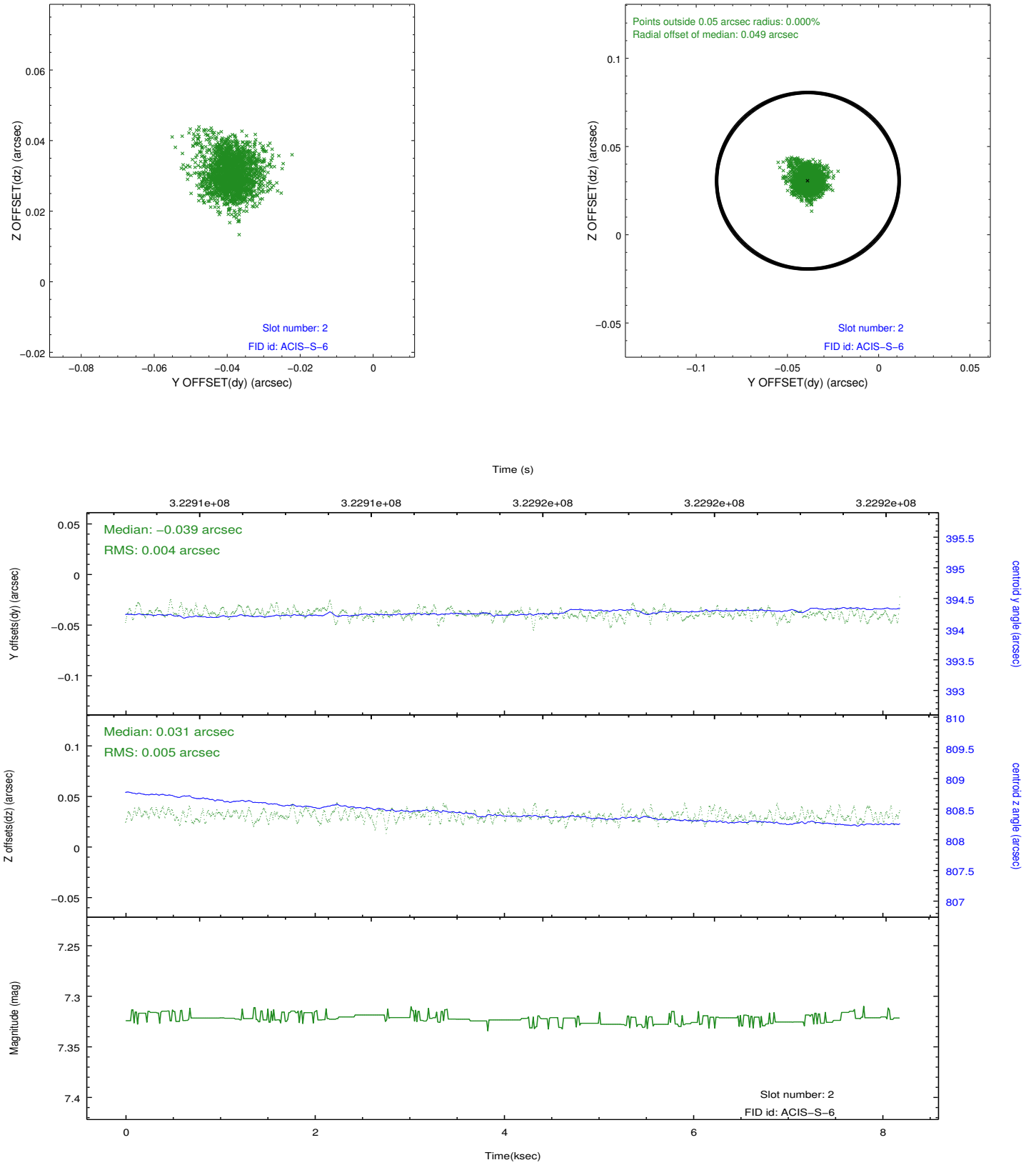
### 2.5.1 Slot 0



## 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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.79340005

### A.2 Comments