

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3003 - L2 Version 4  
Chandra X-Ray Center

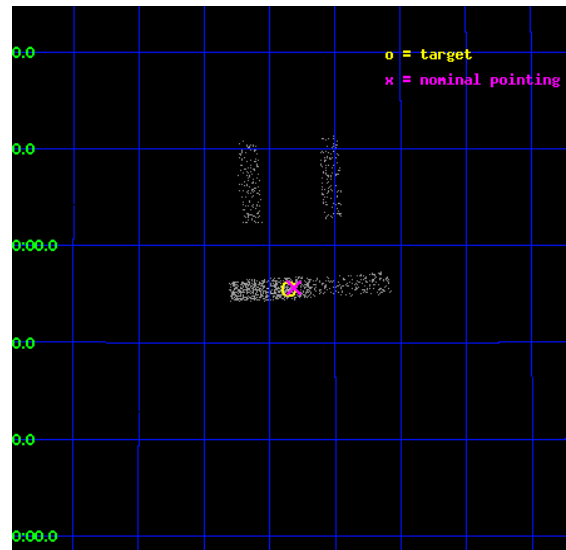
L2 Processing Date : Oct 4 2012

## 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

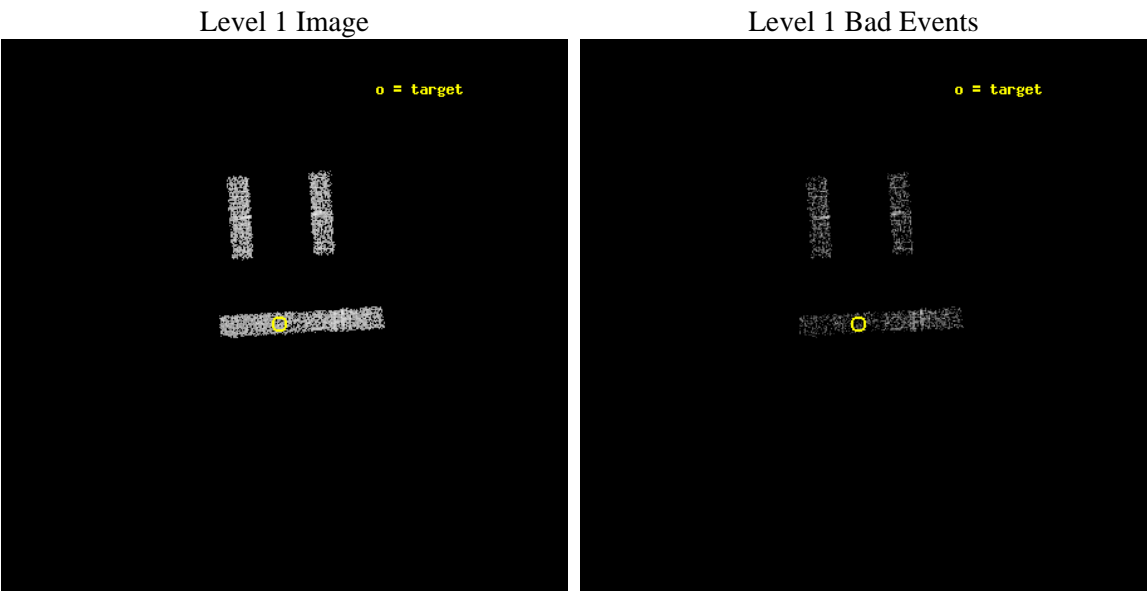
seq_num	700442	Sequence number
obs_id	3003	Observation id
title	CHANDRA SNAPSHOT OBSERVATIONS OF SOFT X-RAY TRANSIENT AGN	Proposal
observer	Dr Rick Edelson	Principal investigator
object	RX J1258+23	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.714167	Observer's specified target RA [deg]
dec_targ	23.925556	Observer's specified target Dec [deg]
ra_nom	194.70393985739	Nominal RA [deg]
dec_nom	23.927774552335	Nominal Dec [deg]
roll_nom	176.78214380736	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2604.25	Sum of GTIs [s]
livetime	433.40600452668	Livetime [s]
ontime2	2604.25	Sum of GTIs [s]
ontime3	2604.25	Sum of GTIs [s]
ontime6	2604.25	Sum of GTIs [s]
ontime7	2604.25	Sum of GTIs [s]
l2events	1246	Number of level 2 events



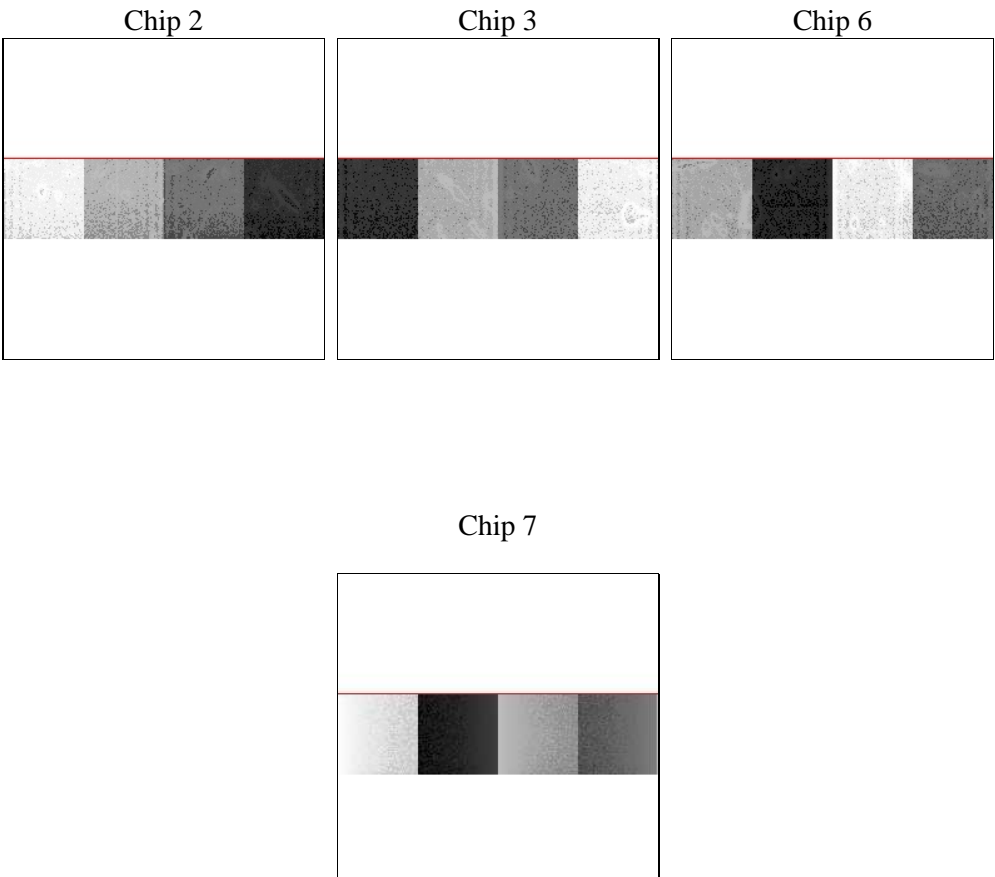
# 2 OBI

## 2.1 OBI

### 2.1.1 Images



### 2.1.2 Bias



Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2604.25	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime2	2604.25	Sum of GTIs [s]
date	2012-10-04T18:05:40	Date and time of file creation	ontime3	2604.25	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2604.25	Sum of GTIs [s]
			ontime7	2604.25	Sum of GTIs [s]
			l1events	11694	Number of level 1 events

### 2.1.4 Events

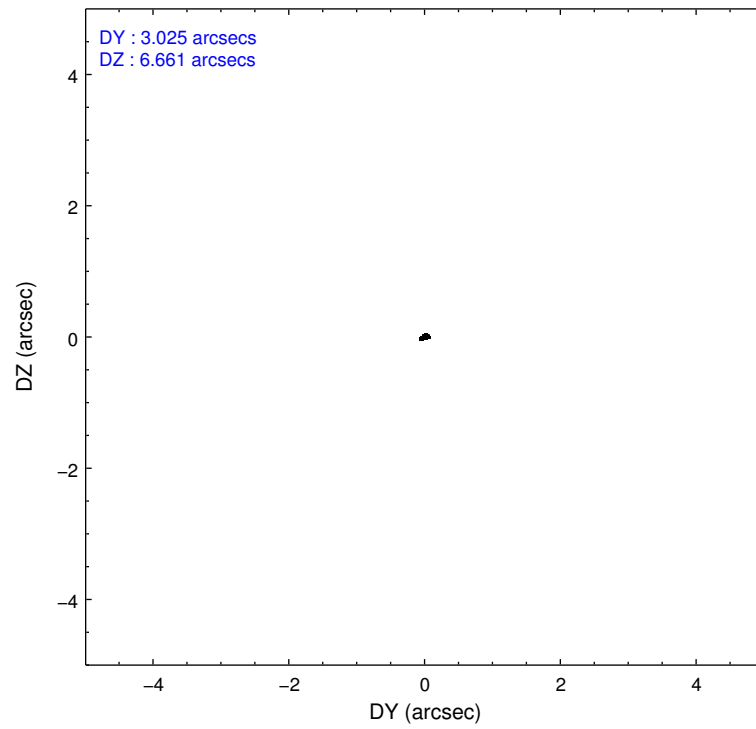
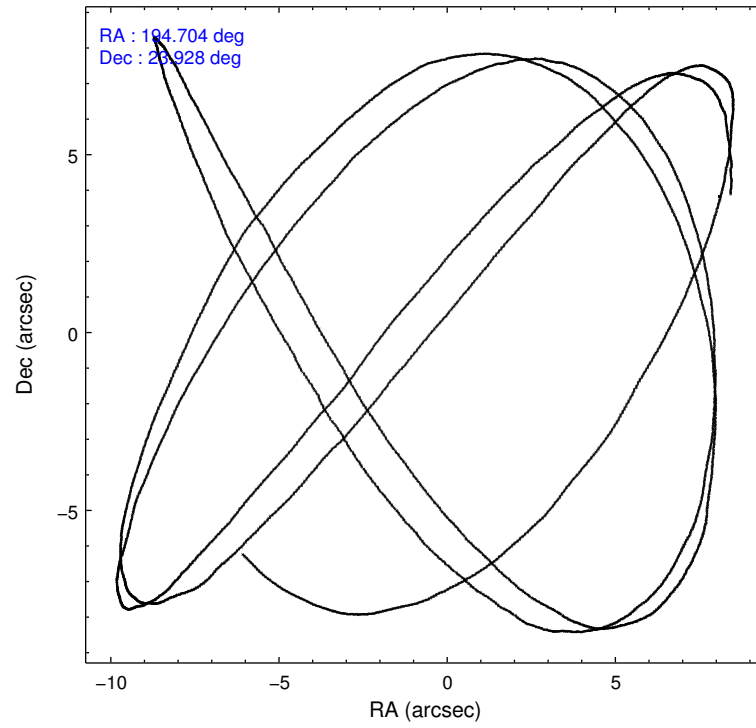
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	2819	3136	3297	2442
rejected events	2590	2905	3035	1654
rejected %	91%	92%	92%	67%

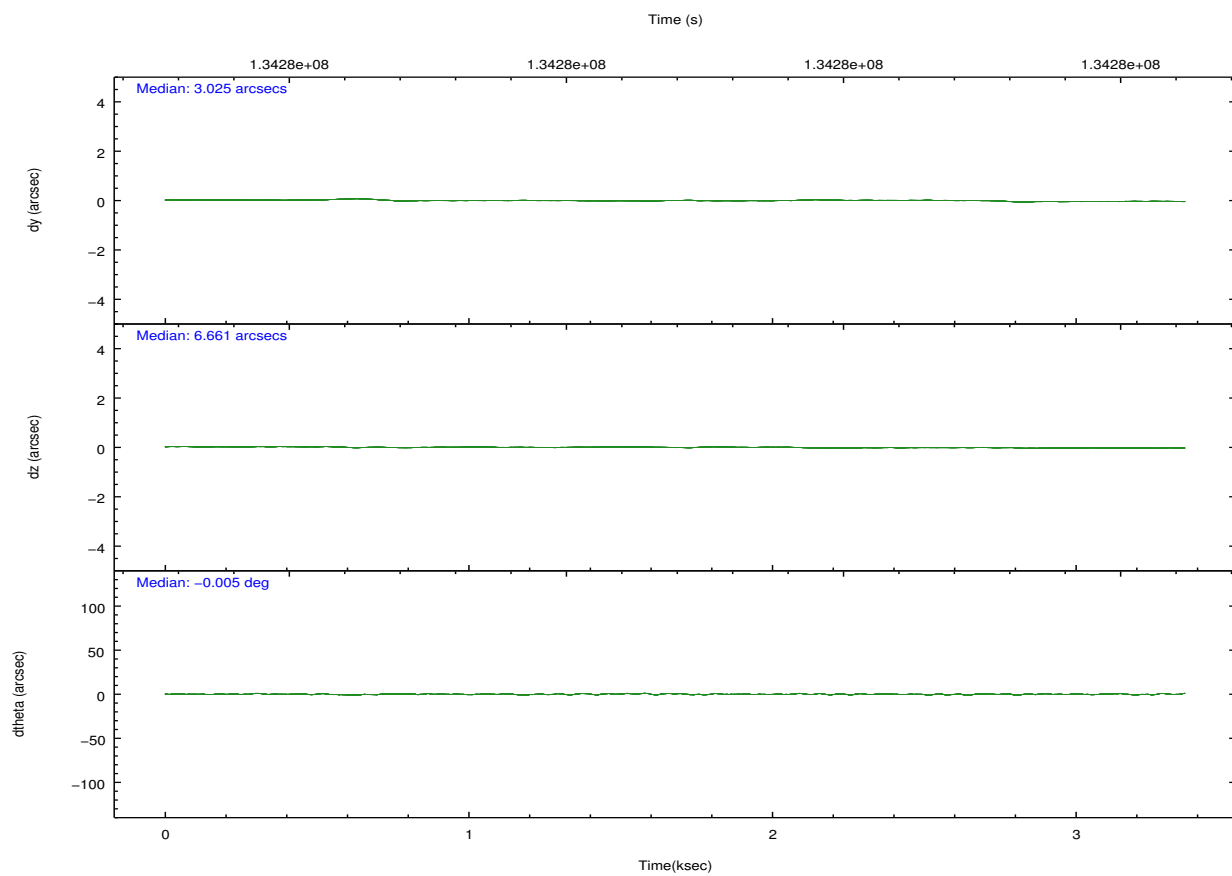
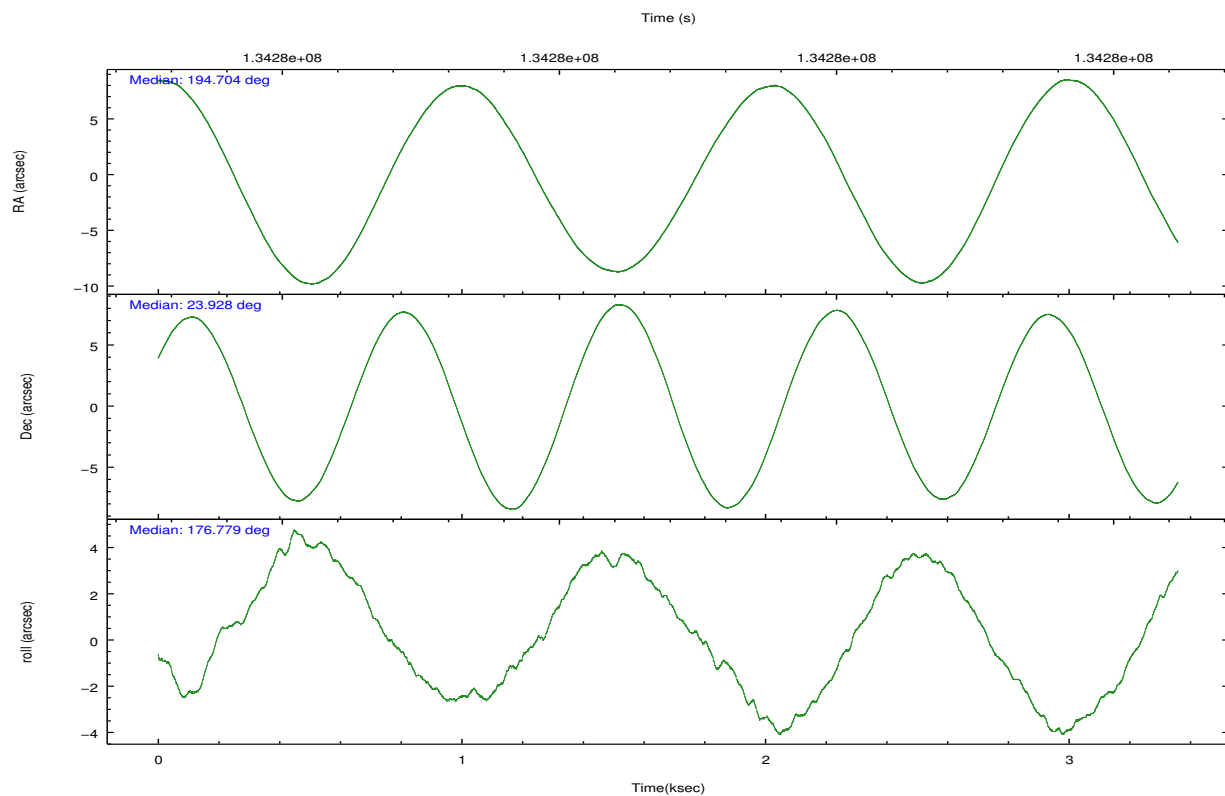
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	51	48	62	100
	1%	1%	1%	4%
grade 1 events	3	1	0	2
	0%	0%	0%	0%
grade 2 events	33	37	44	148
	1%	1%	1%	6%
grade 3 events	49	55	59	90
	1%	1%	1%	3%
grade 4 events	60	59	59	86
	2%	1%	1%	3%
grade 5 events	72	58	68	176
	2%	1%	2%	7%
grade 6 events	36	32	38	364
	1%	1%	1%	14%
grade 7 events	2515	2846	2967	1476
	89%	90%	89%	60%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	194.730288	194.7039398573898	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	23.940383	23.92777455233506	Subarray start row	385	385
[deg] Pointing Roll	176.614817	176.7821438073636	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.2
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	134277071.184000	134275525.53667			
Observation start date	2002-04-04T03:10:07	2002-04-04T02:45:25			
[s] Observation end time (MET)	134279071.184000	134279597.34933			
Observation end date	2002-04-04T03:43:27	2002-04-04T03:53:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect





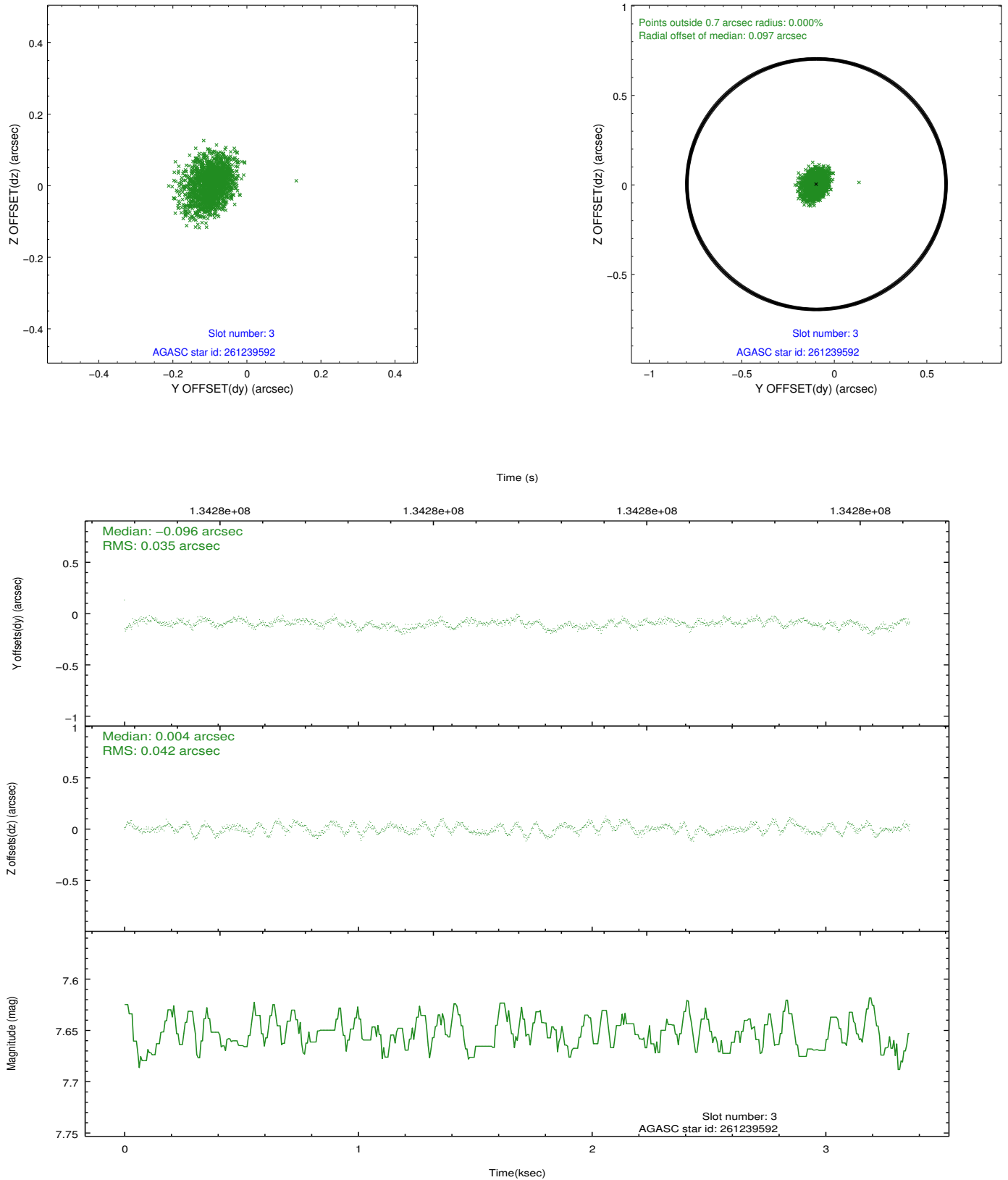
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	820	-0.024	0.008	0.006	0.011	0.000000	0.000000	-755.67	-1727.82
1	FID	ACIS-S-4	7.20	820	-0.022	0.010	0.005	0.010	0.000000	0.000000	2156.74	178.76
2	FID	ACIS-S-5	7.24	820	0.015	-0.009	0.006	0.010	0.000000	0.000000	-1806.07	174.51
3	GUIDE	261239592	7.65	1640	-0.096	0.004	0.058	0.094	195.264873	24.316318	-1670.03	-1457.58
4	GUIDE	261245048	8.65	1640	-0.094	0.038	0.058	0.093	194.015631	23.574141	2275.98	1449.19
5	GUIDE	261243888	8.43	1640	0.017	0.012	0.058	0.101	195.146571	23.651749	-1429.56	955.41
6	GUIDE	261237448	9.03	1638	-0.049	0.059	0.072	0.116	194.252940	24.397499	1659.52	-1551.97
7	GUIDE	261247520	9.56	1638	0.222	-0.111	0.085	0.134	195.028104	23.710956	-1026.78	764.76

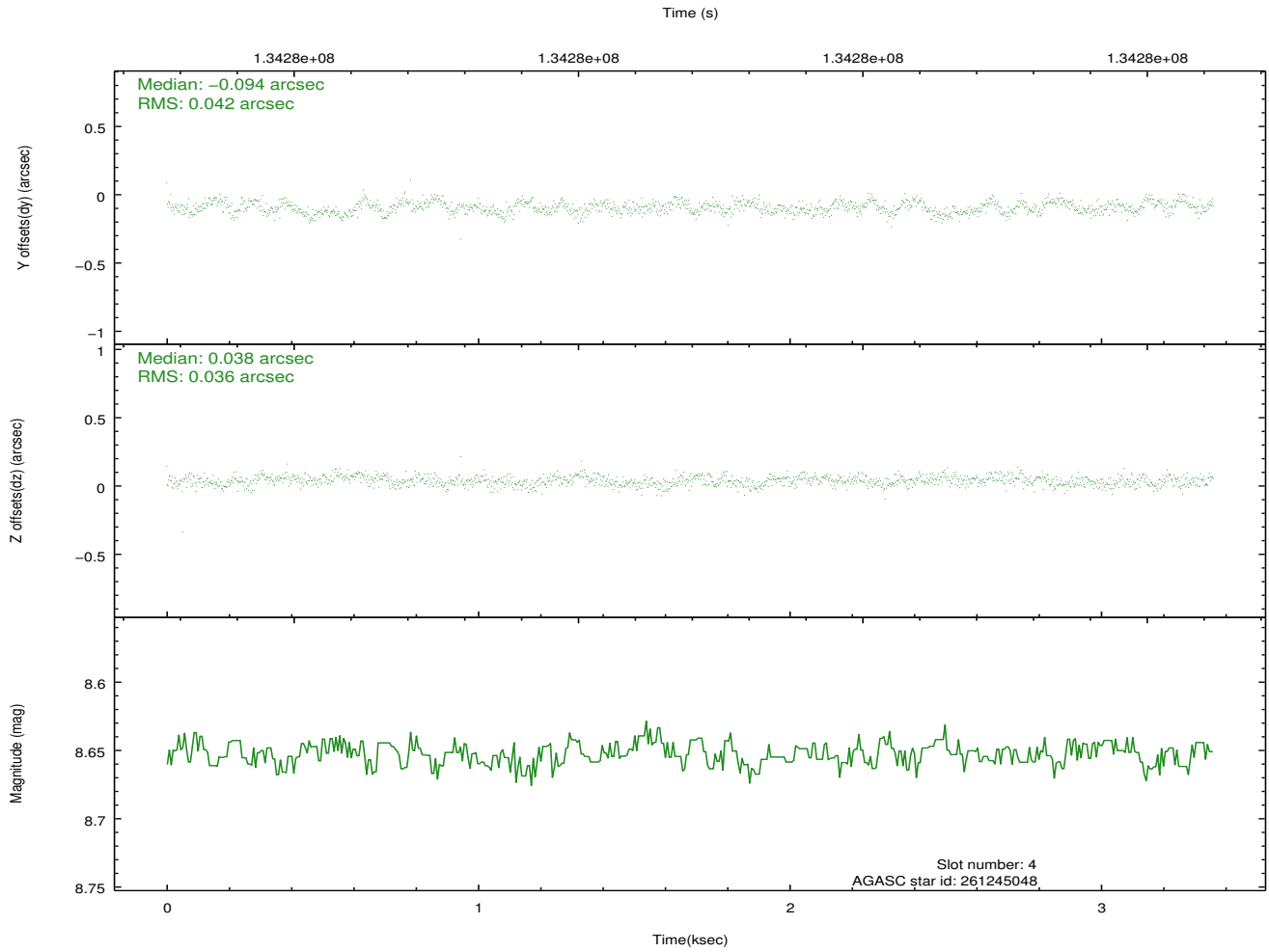
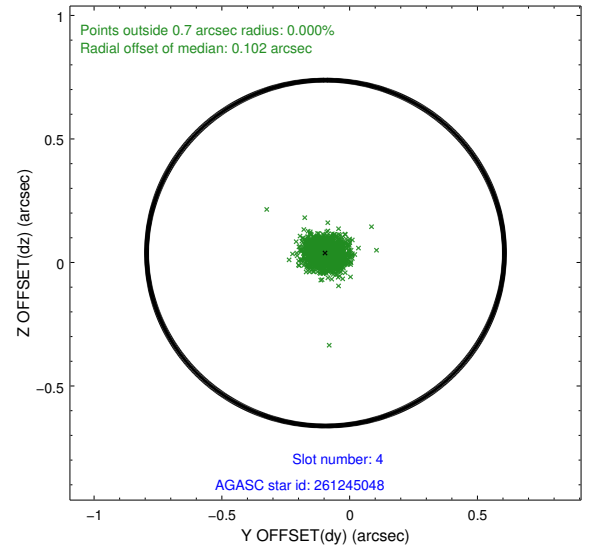
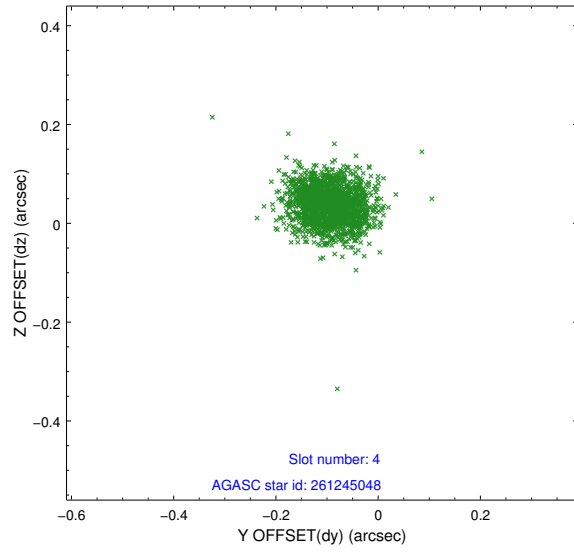


## 2.4 Star Slots

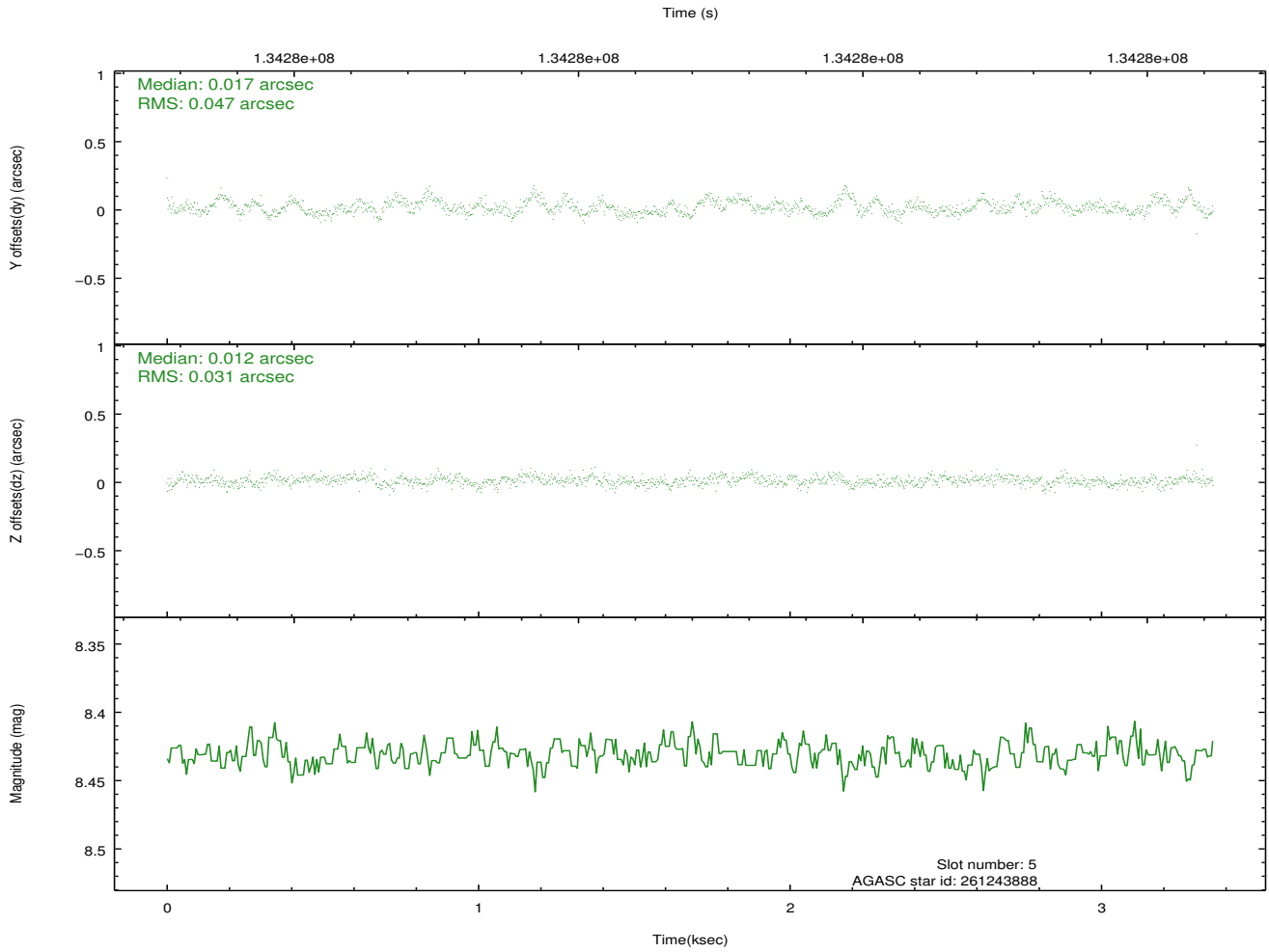
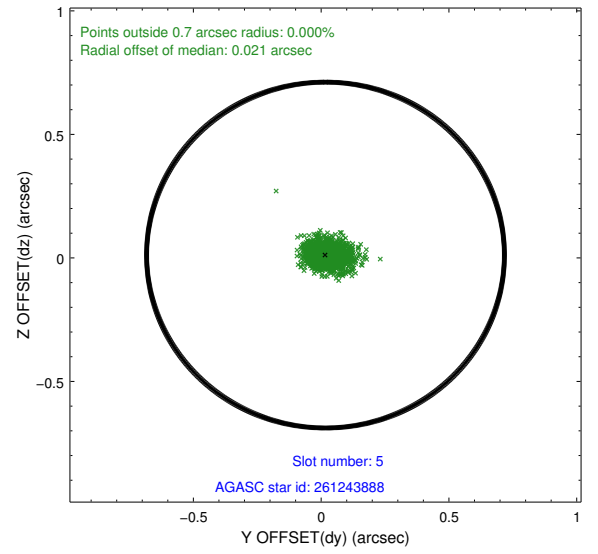
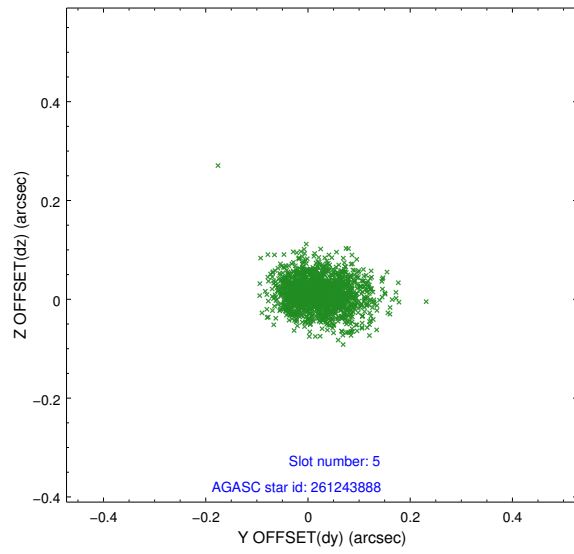
### 2.4.1 Slot 3



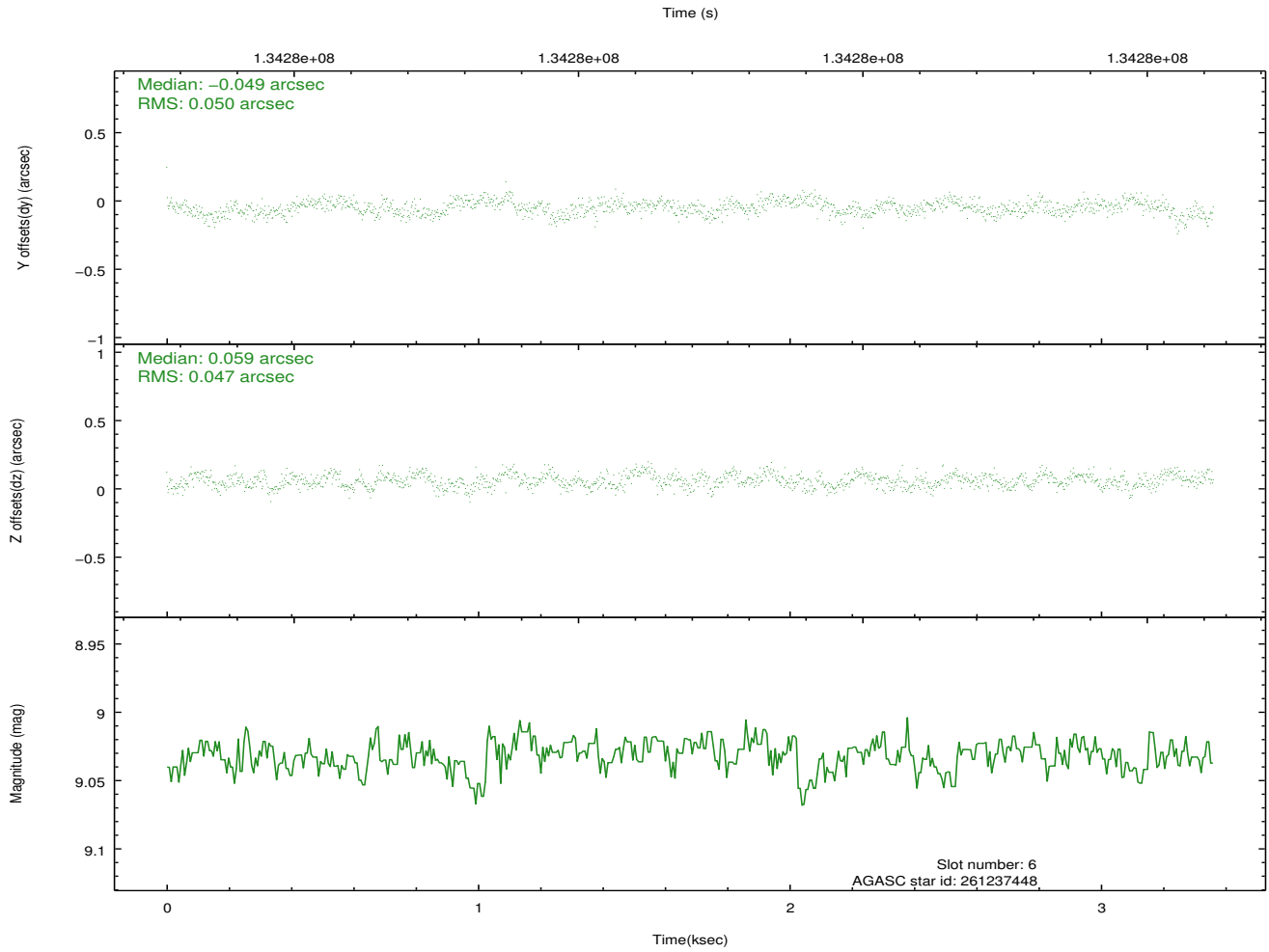
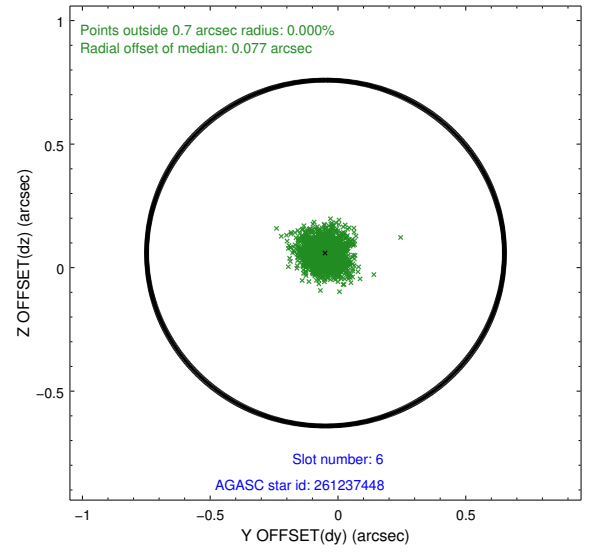
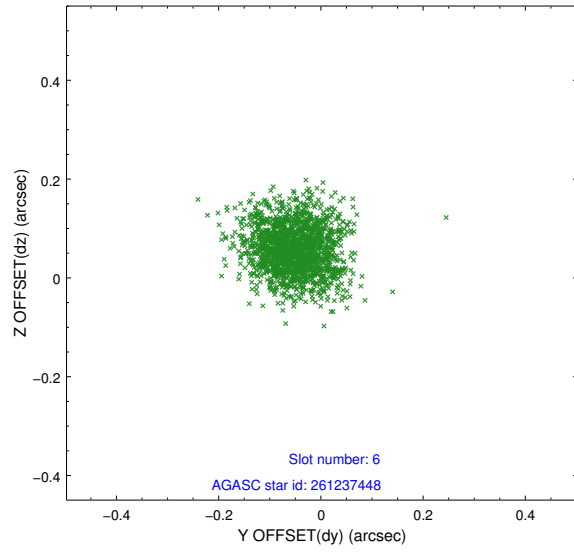
## 2.4.2 Slot 4



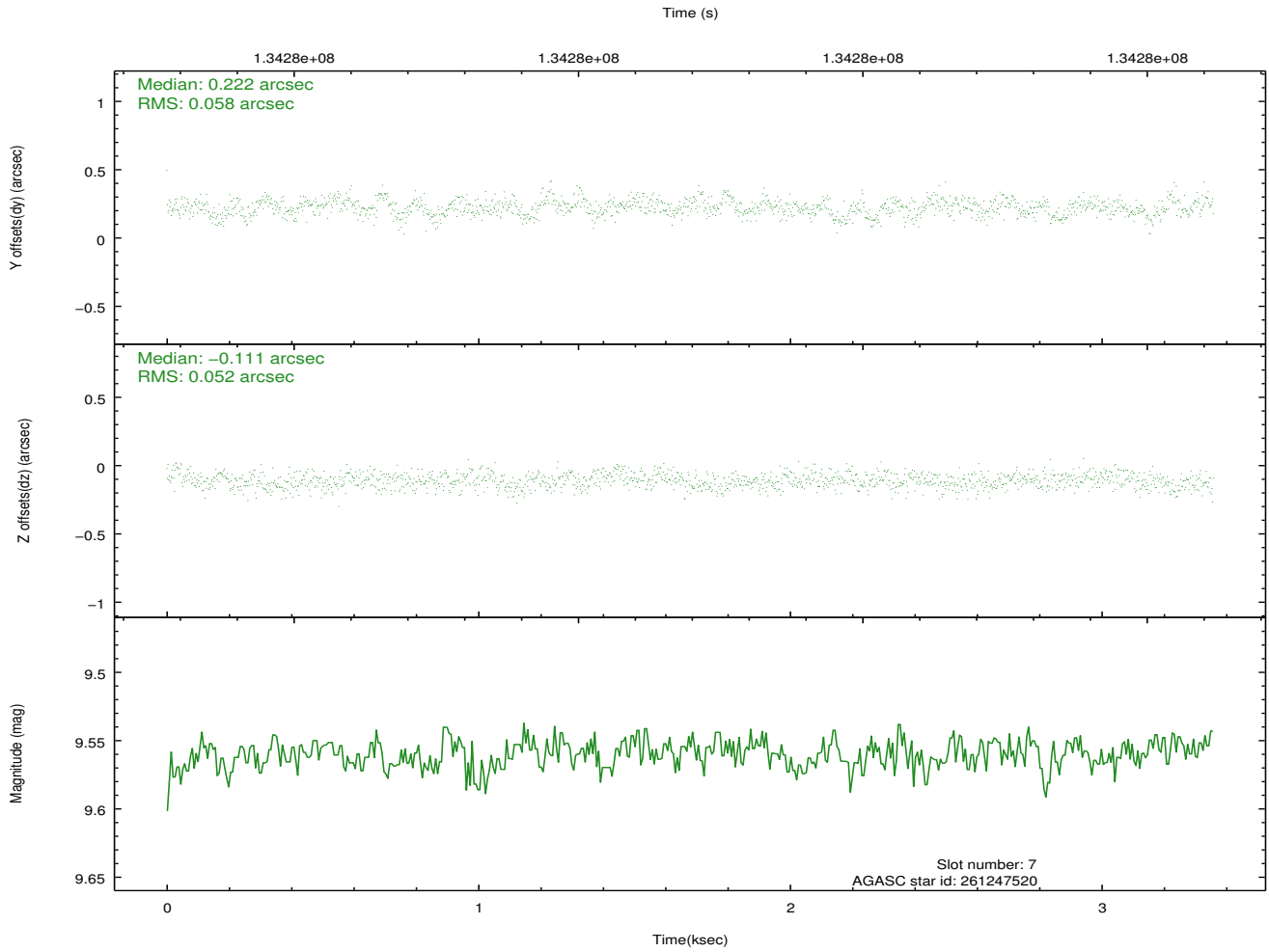
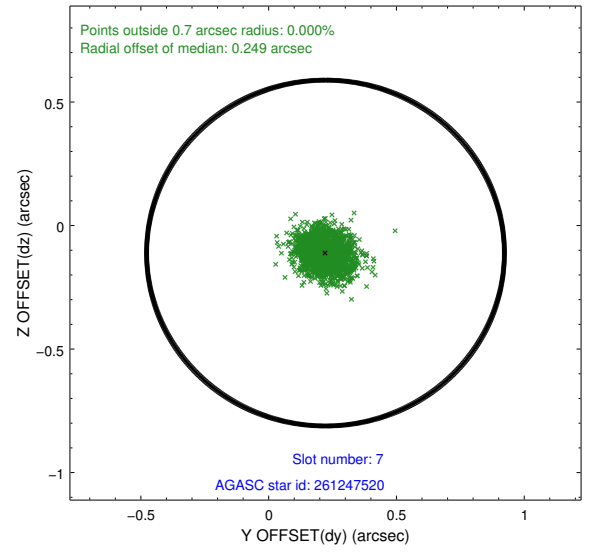
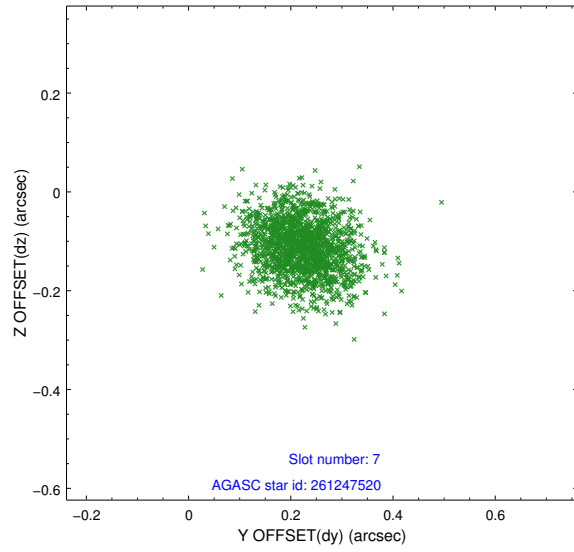
### 2.4.3 Slot 5



## 2.4.4 Slot 6

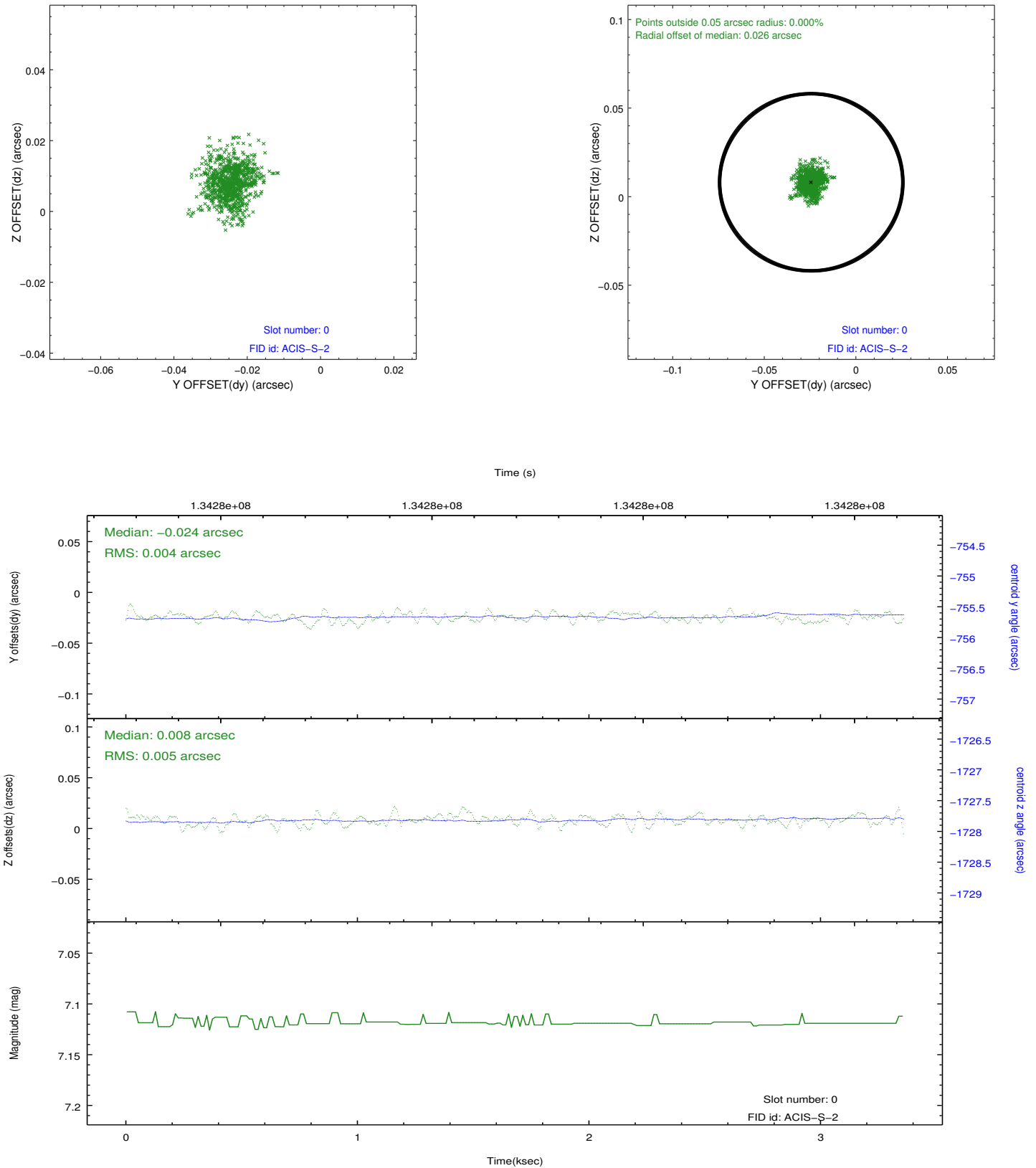


## 2.4.5 Slot 7

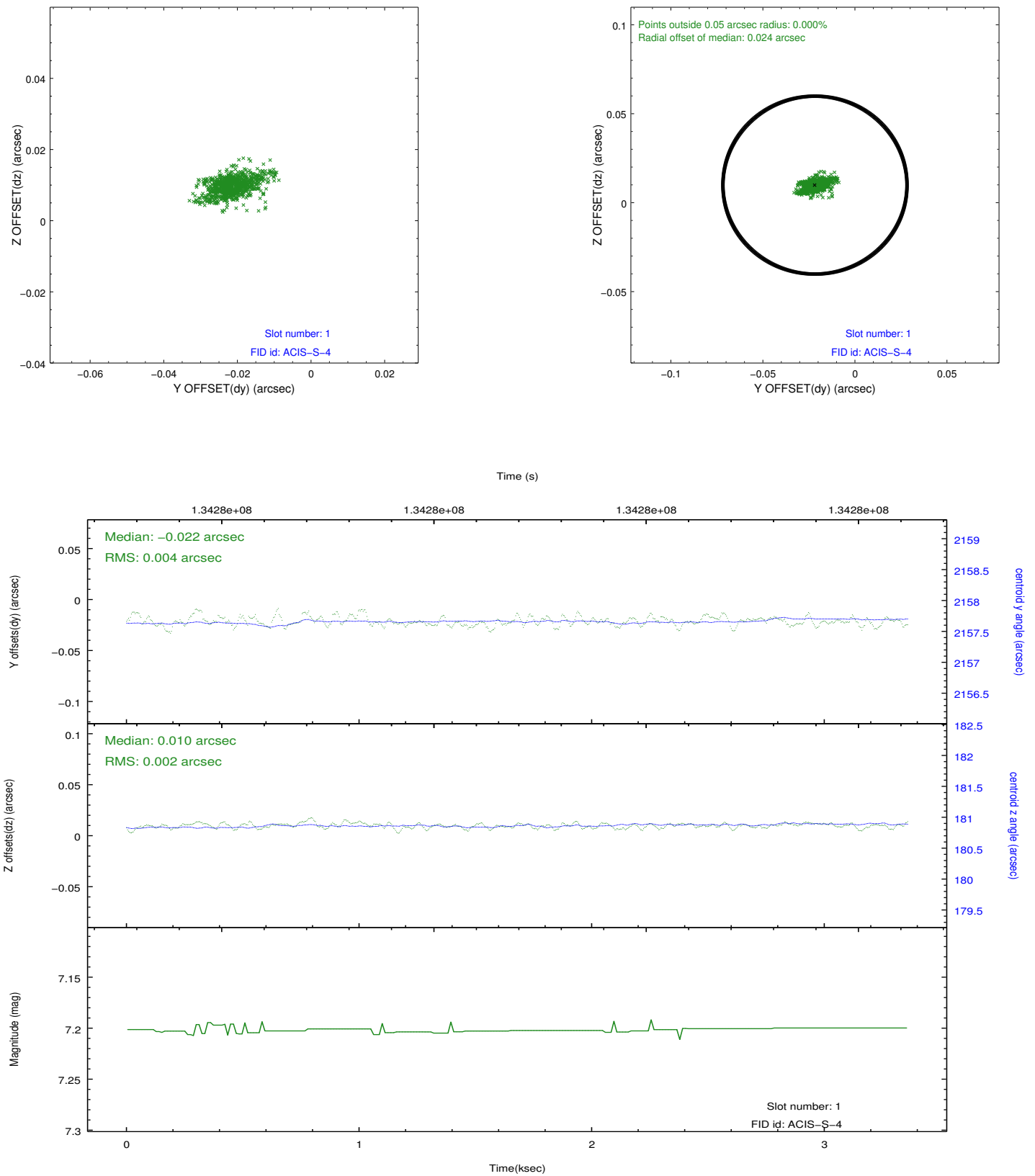


## 2.5 FID Slots

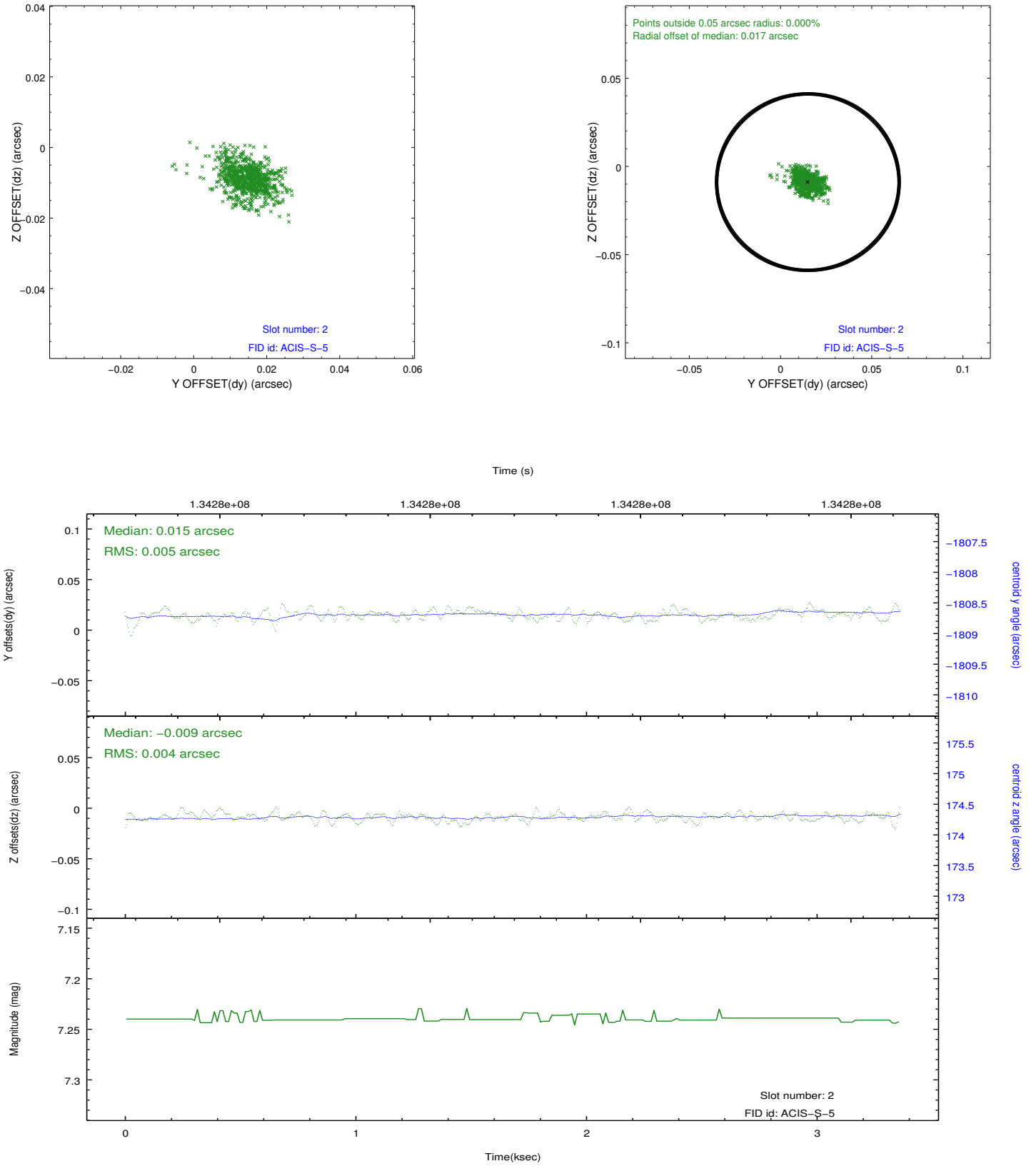
### 2.5.1 Slot 0



## 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	2.604

### A.2 Comments