

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11441 - L2 Version 2  
Chandra X-Ray Center

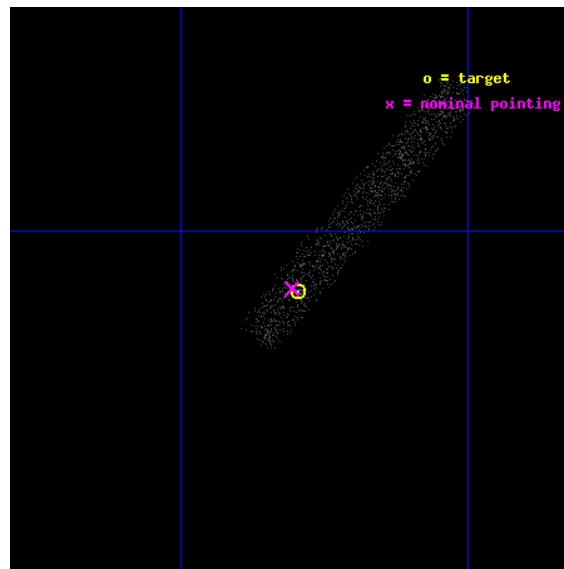
L2 Processing Date : Jun 17 2012

## 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

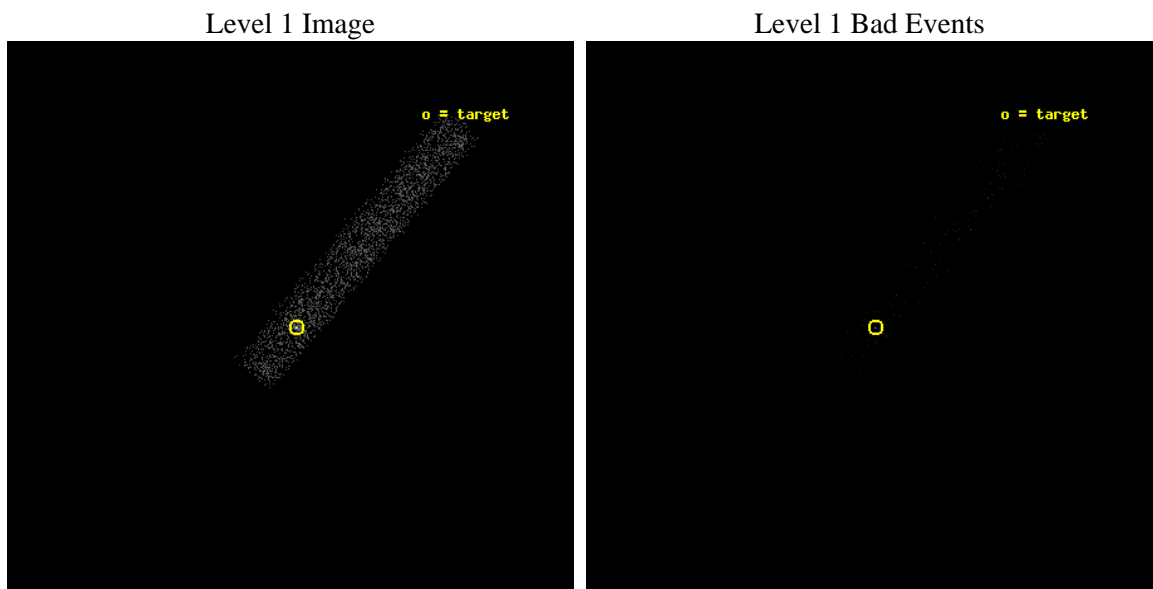
seq_num	702027	Sequence number
obs_id	11441	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J030417.78+002827.3	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	46.074167	Observer's specified target RA [deg]
dec_targ	0.47425	Observer's specified target Dec [deg]
ra_nom	46.076797753673	Nominal RA [deg]
dec_nom	0.47532852772228	Nominal Dec [deg]
roll_nom	309.85146843455	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2180.399870038	Sum of GTIs [s]
livetime	1977.5075911827	Livetime [s]
ontime7	2180.399870038	Sum of GTIs [s]
l2events	2261	Number of level 2 events



## 2 OBI

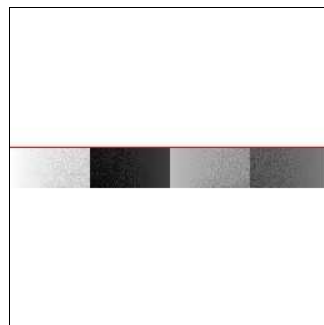
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2180.399870038	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2180.399870038	Sum of GTIs [s]
date	2012-06-17T17:02:03	Date and time of file creation	l1events	5129	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

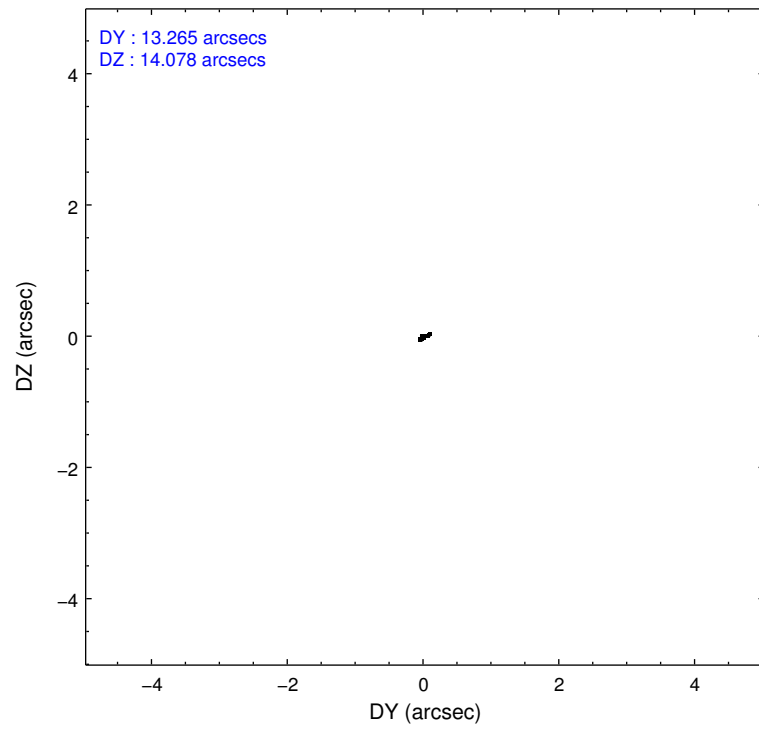
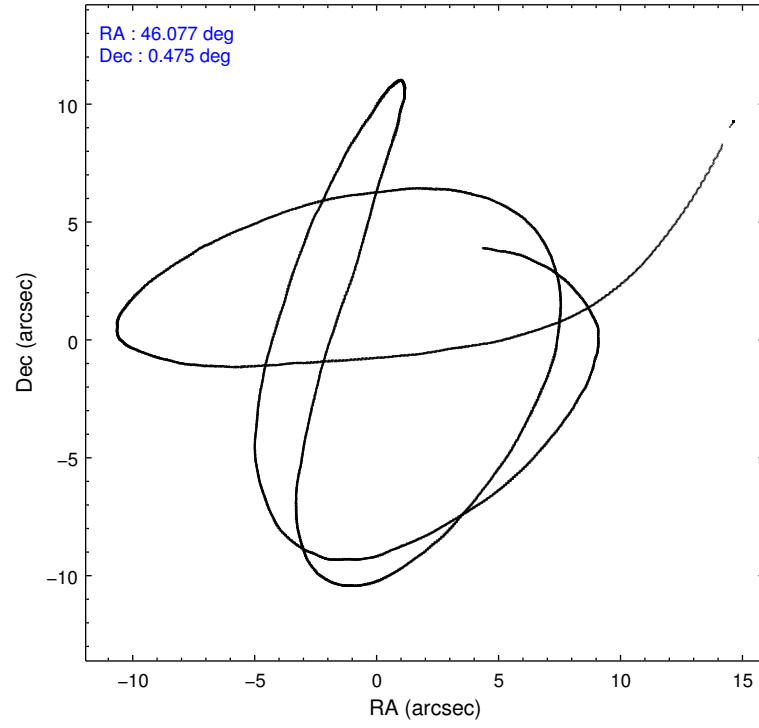
	<b>ccd 7</b>
level 1 events	5129
rejected events	2780
rejected %	54%

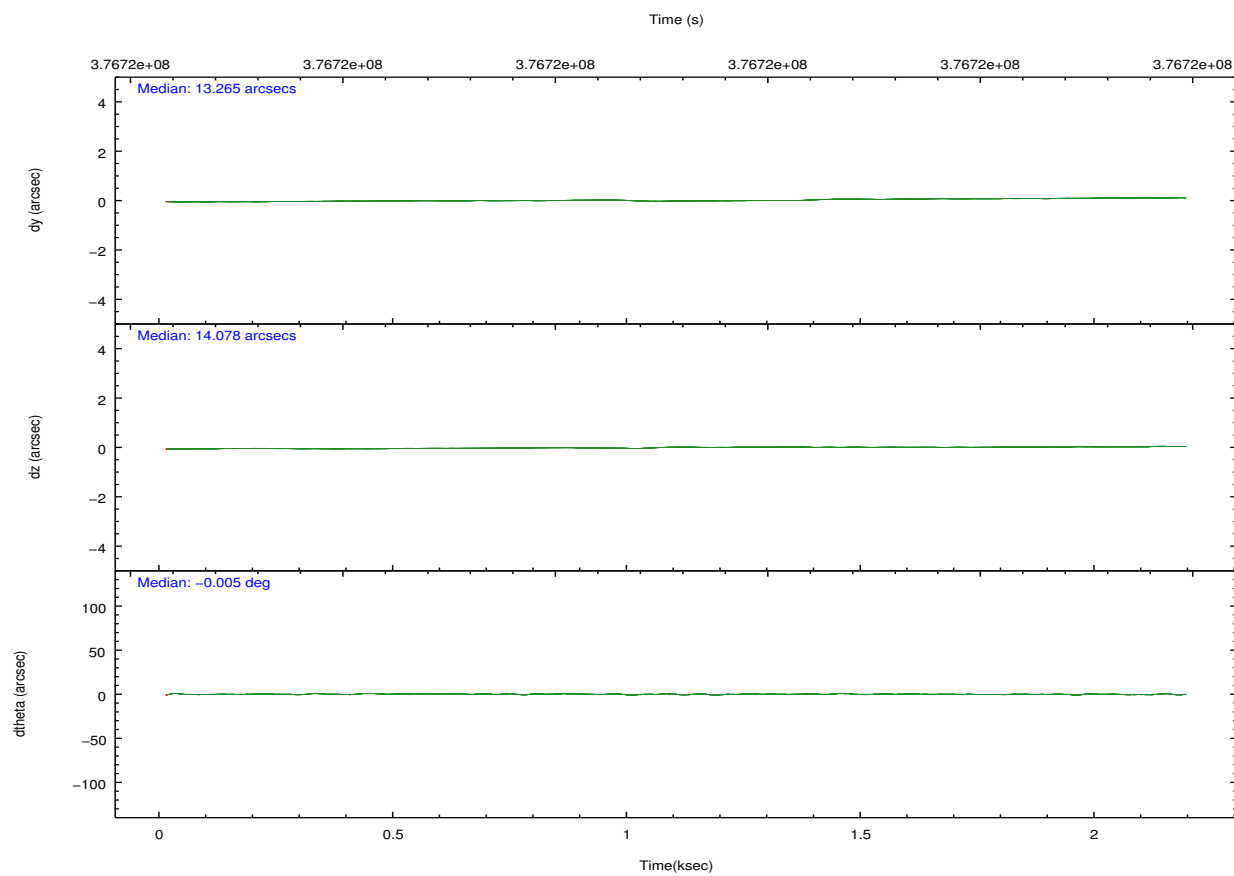
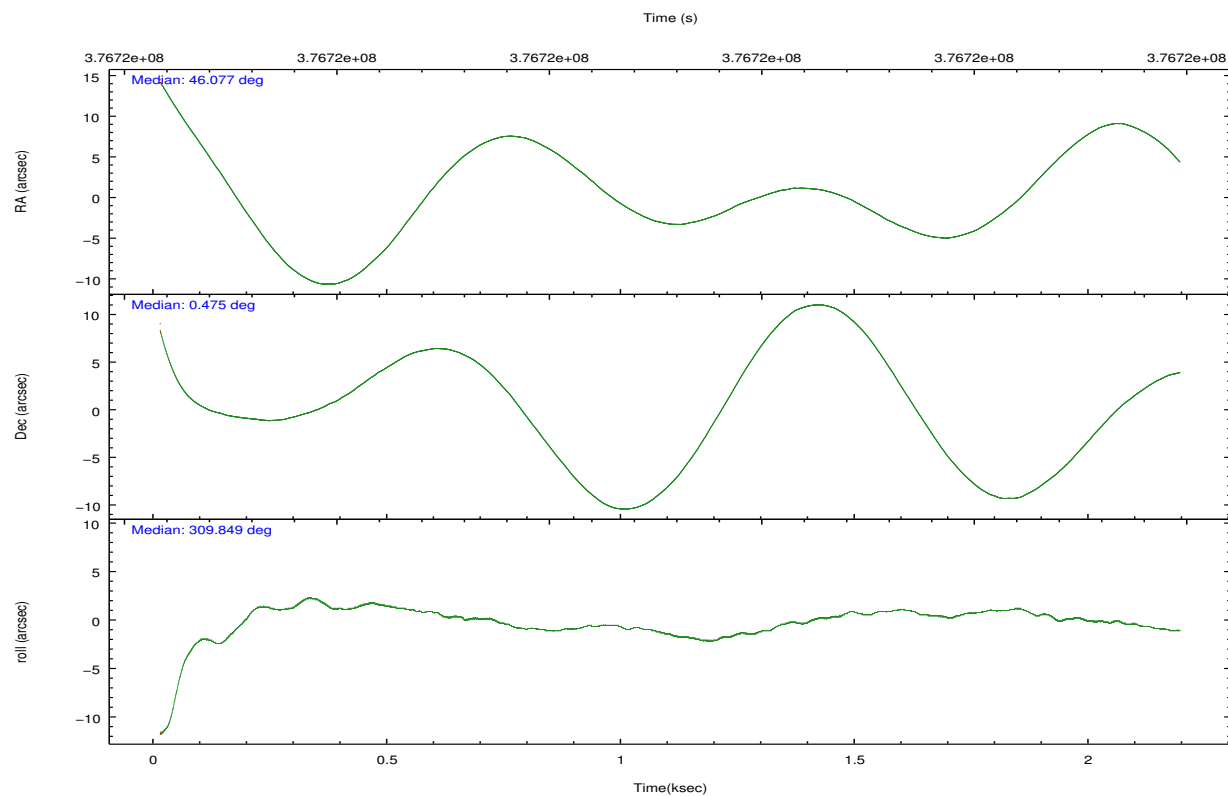
	<b>ccd 7</b>
grade 0 events	467
	9%
grade 1 events	4
	0%
grade 2 events	683
	13%
grade 3 events	385
	7%
grade 4 events	364
	7%
grade 5 events	436
	8%
grade 6 events	1110
	21%
grade 7 events	1680
	32%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	46.050842	46.07679775367337	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.484341	0.4753285277222795	Subarray start row	449	449
[deg] Pointing Roll	309.695109	309.8514684345541	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	376719877.184000	376718814.66204			
Observation start date	2009-12-09T04:23:31	2009-12-09T04:06:54			
[s] Observation end time (MET)	376721877.184000	376723399.48727			
Observation end date	2009-12-09T04:56:51	2009-12-09T05:23:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect





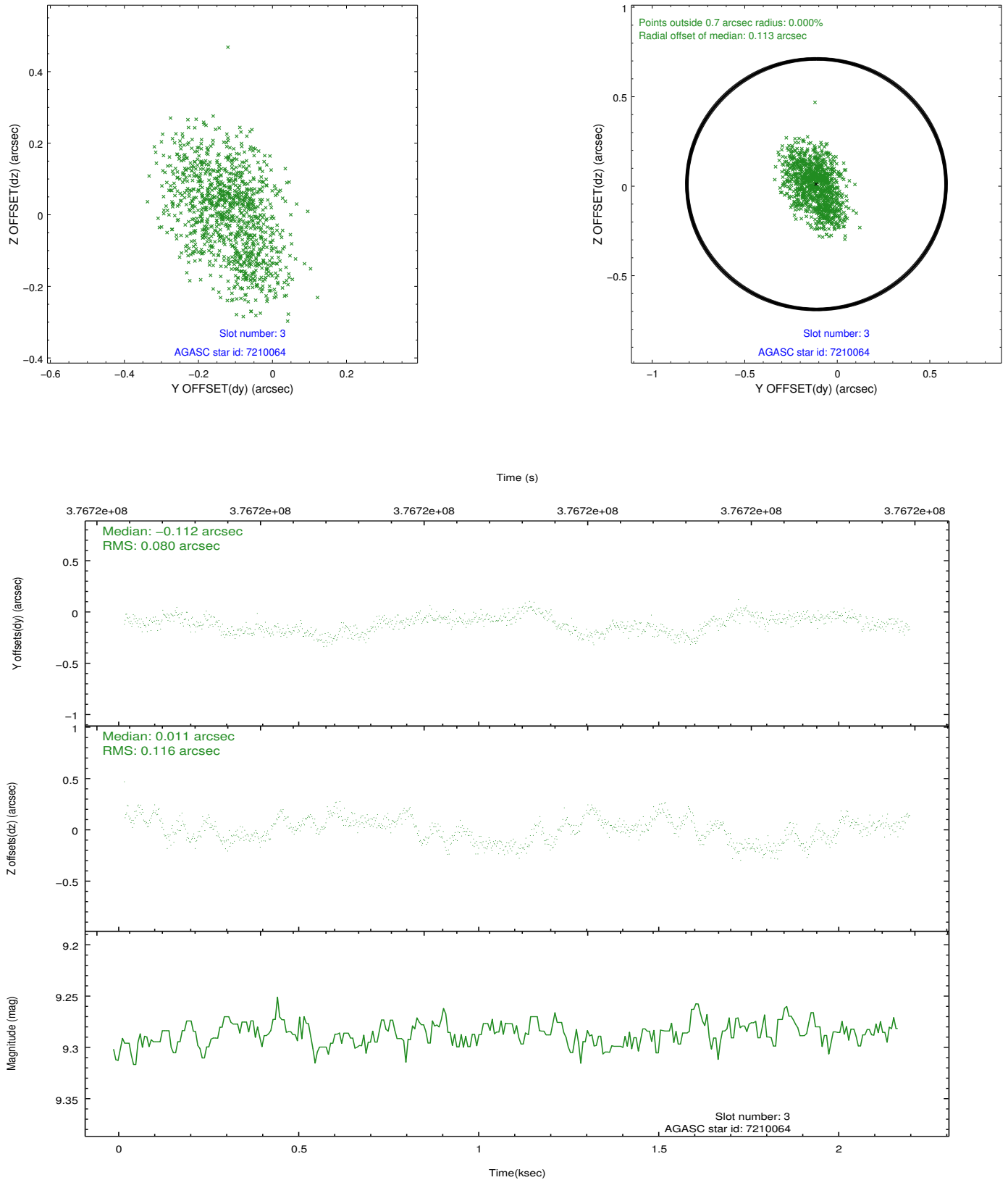
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	533	-0.031	-0.023	0.007	0.011	0.000000	0.000000	-766.22	-1735.45
1	FID	ACIS-S-4	7.01	533	0.133	0.021	0.006	0.012	0.000000	0.000000	2145.84	170.01
2	FID	ACIS-S-5	7.05	533	-0.134	0.011	0.006	0.011	0.000000	0.000000	-1815.36	167.03
3	GUIDE	7210064	9.29	1061	-0.112	0.011	0.155	0.244	45.423481	0.265653	-836.76	-2240.92
4	GUIDE	7211616	7.80	1065	-0.175	-0.033	0.063	0.100	45.964645	1.019611	-1681.80	989.41
5	GUIDE	7213600	9.61	1059	-0.051	0.054	0.122	0.200	45.813242	1.049852	-2114.13	642.95
6	GUIDE	7218088	9.53	1063	0.075	-0.014	0.104	0.163	46.262599	0.721517	-172.03	1132.16
7	GUIDE	616965304	9.96	1063	0.270	0.009	0.153	0.239	46.228385	-0.032483	1840.26	-695.64

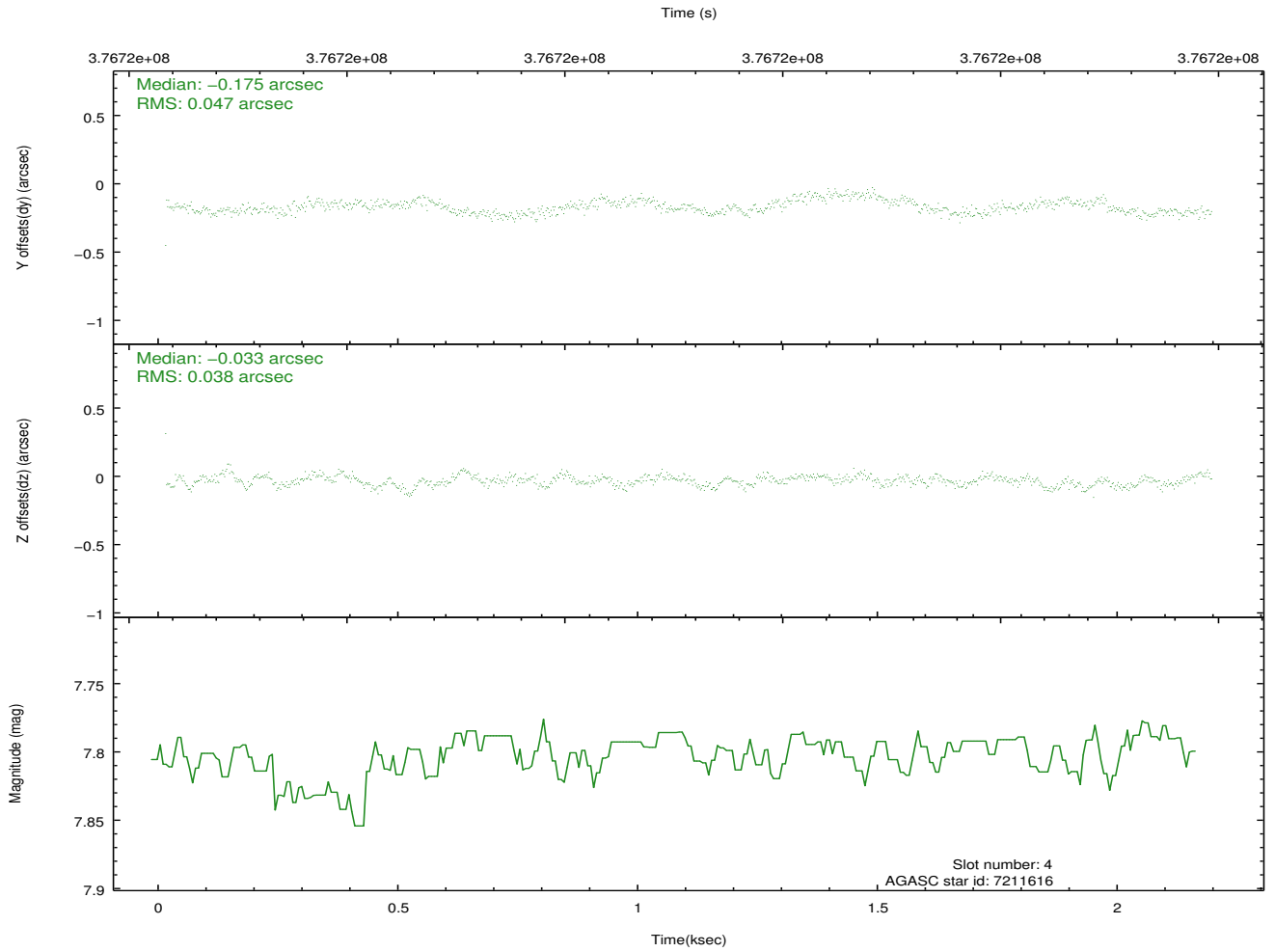
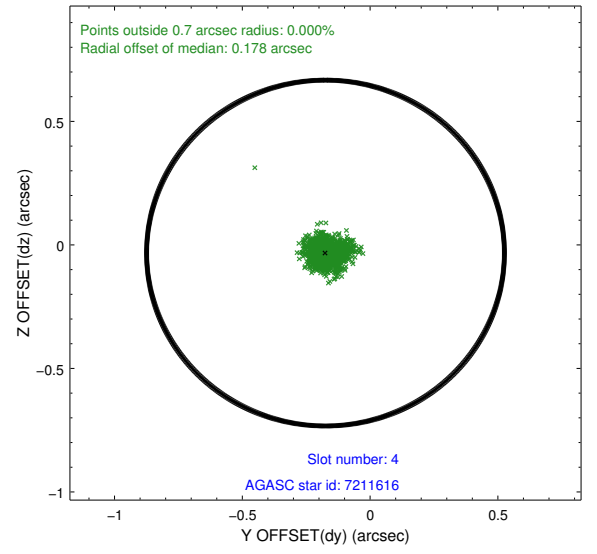
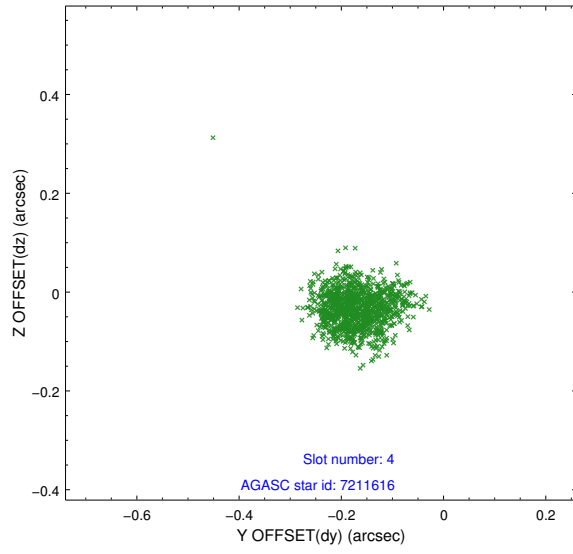


## 2.4 Star Slots

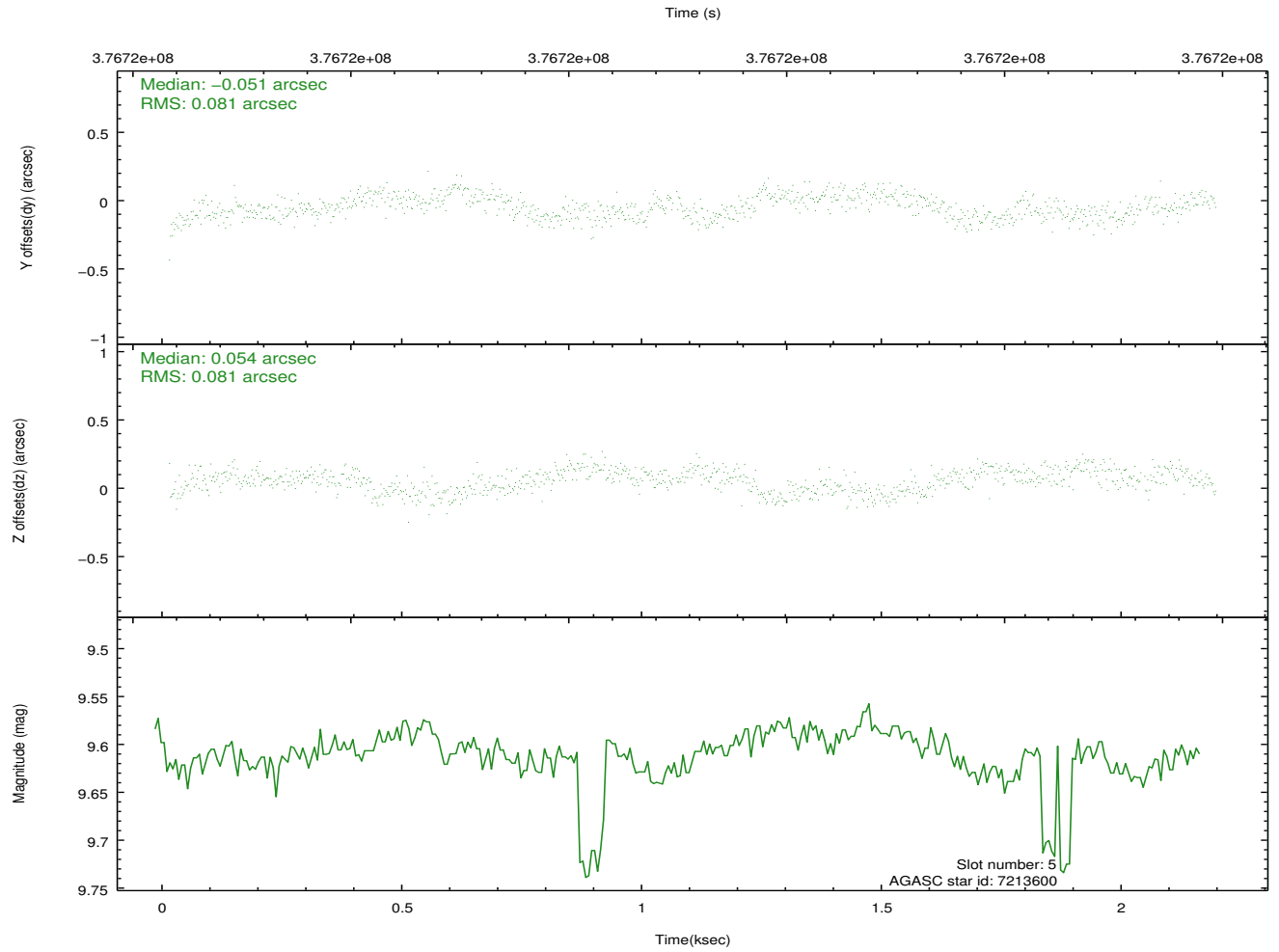
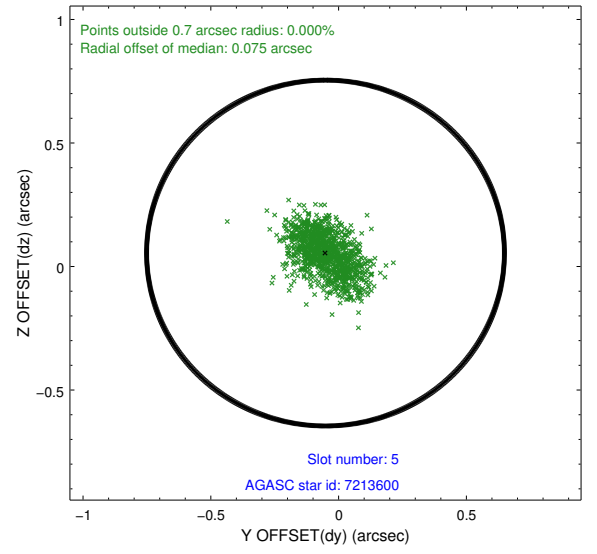
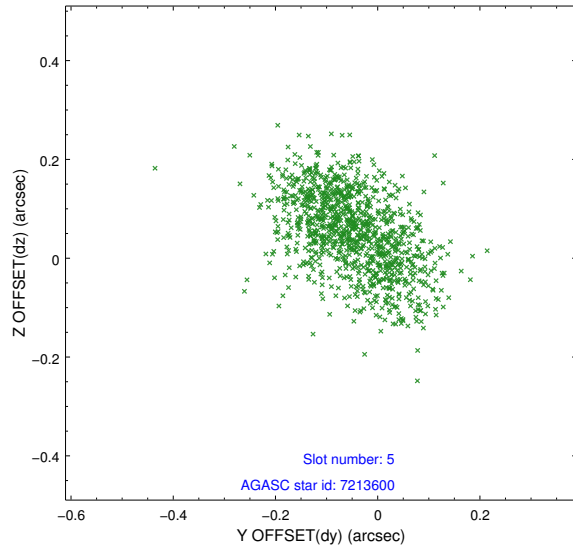
### 2.4.1 Slot 3



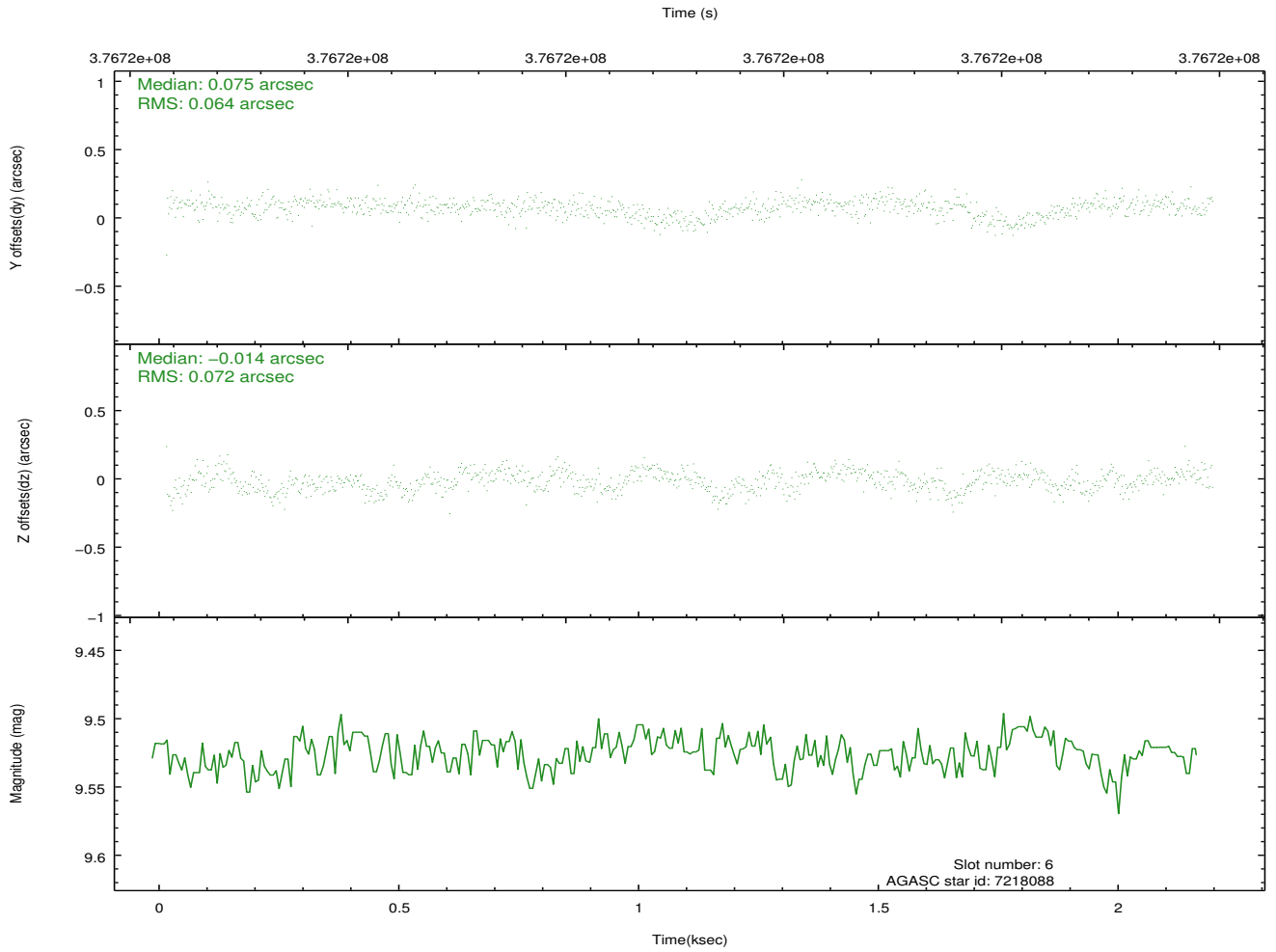
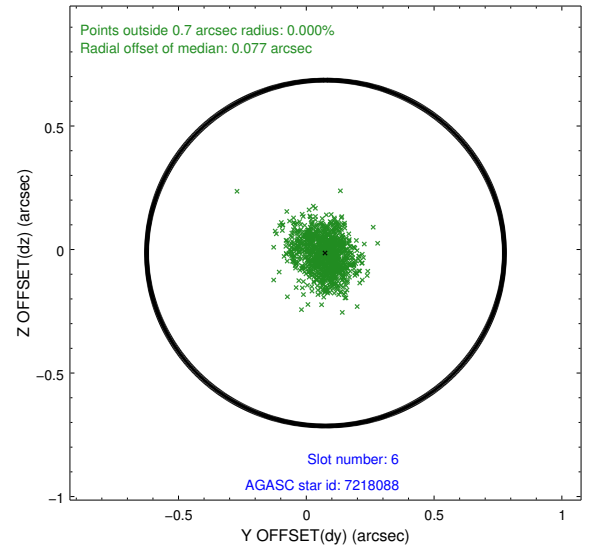
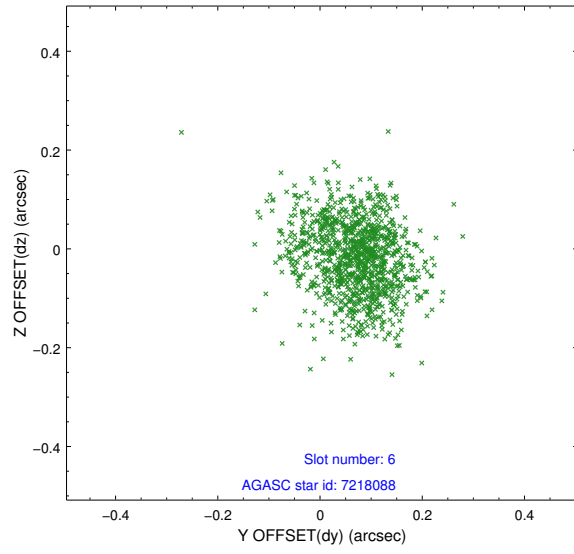
## 2.4.2 Slot 4



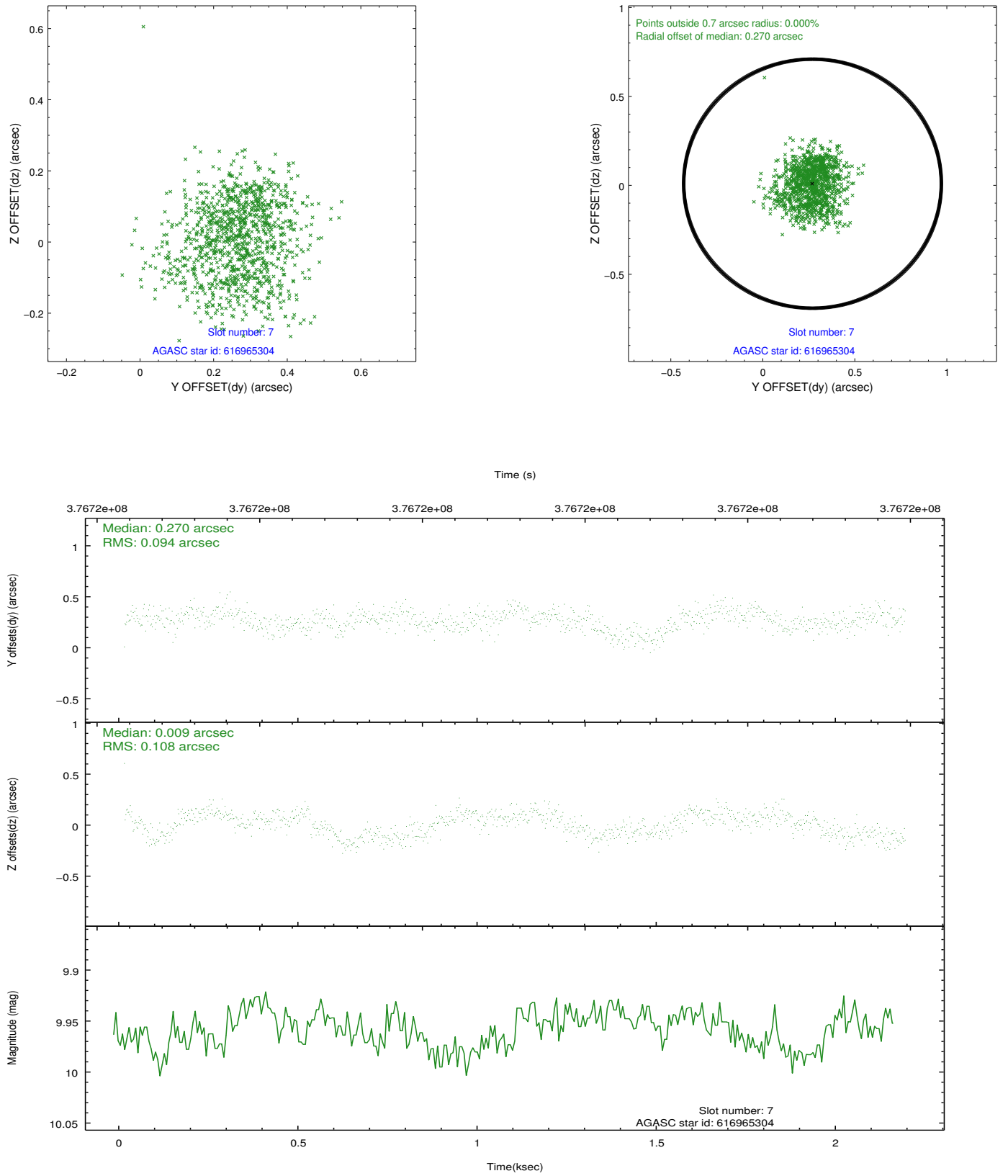
### 2.4.3 Slot 5



## 2.4.4 Slot 6

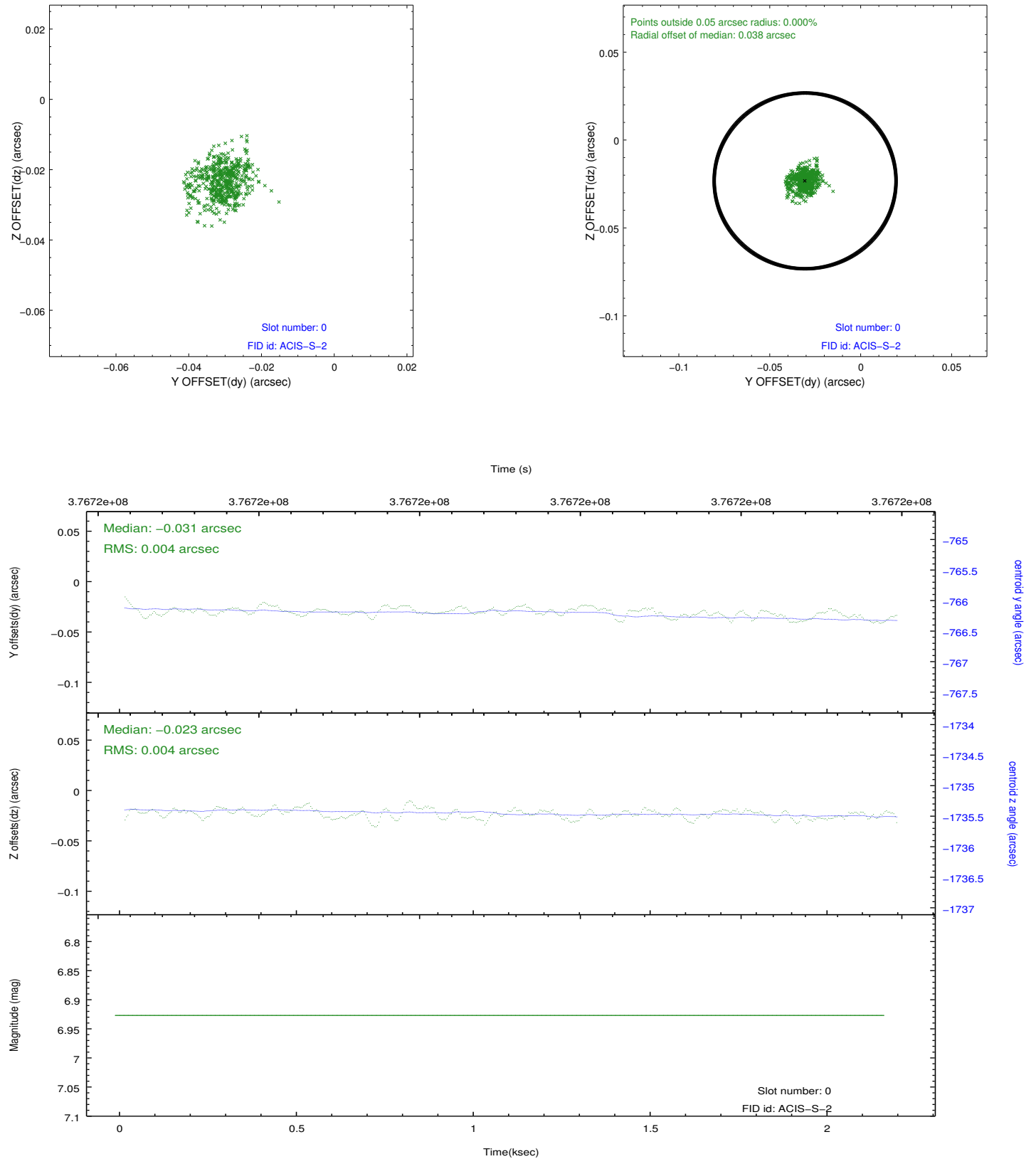


## 2.4.5 Slot 7

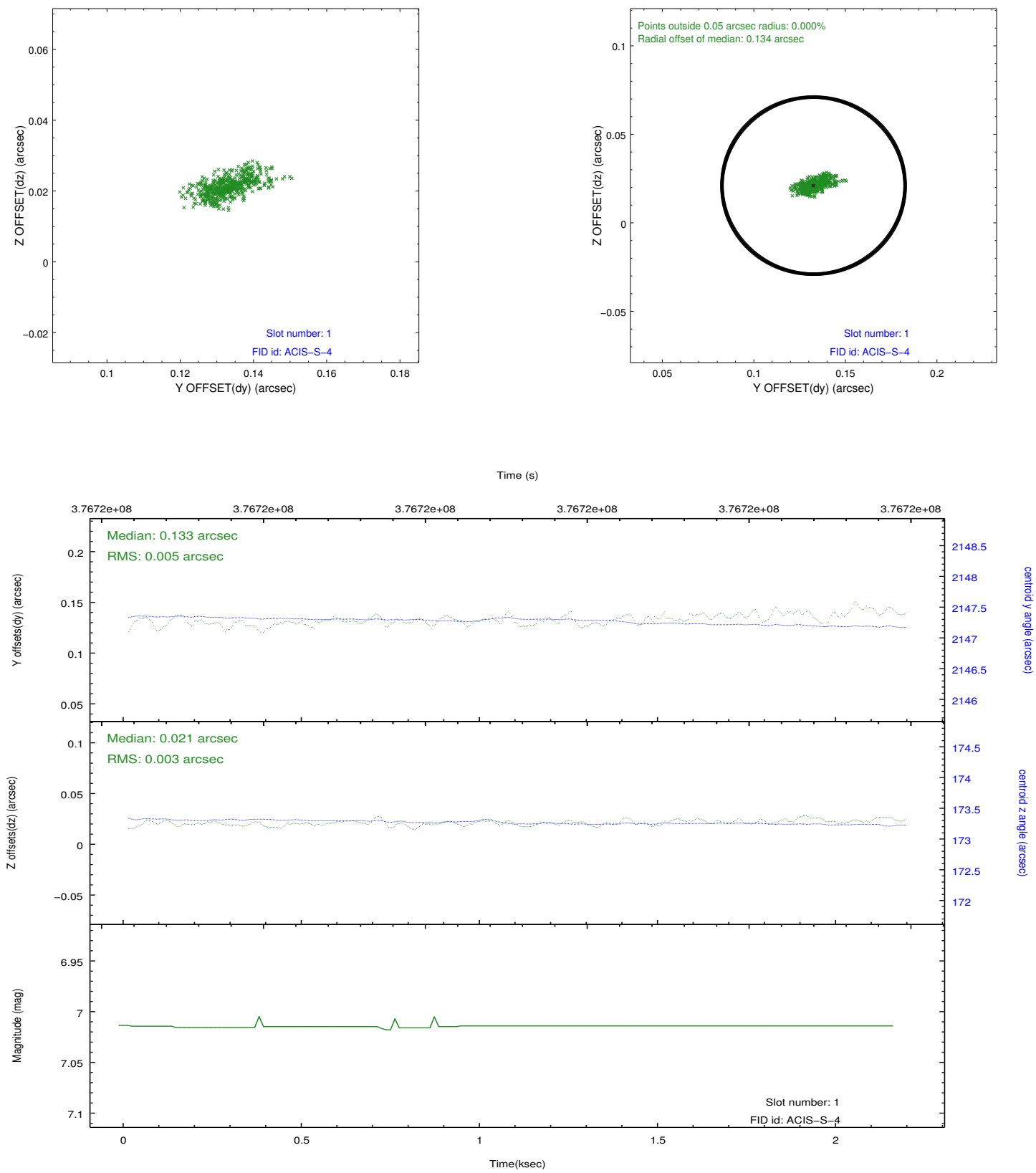


## 2.5 FID Slots

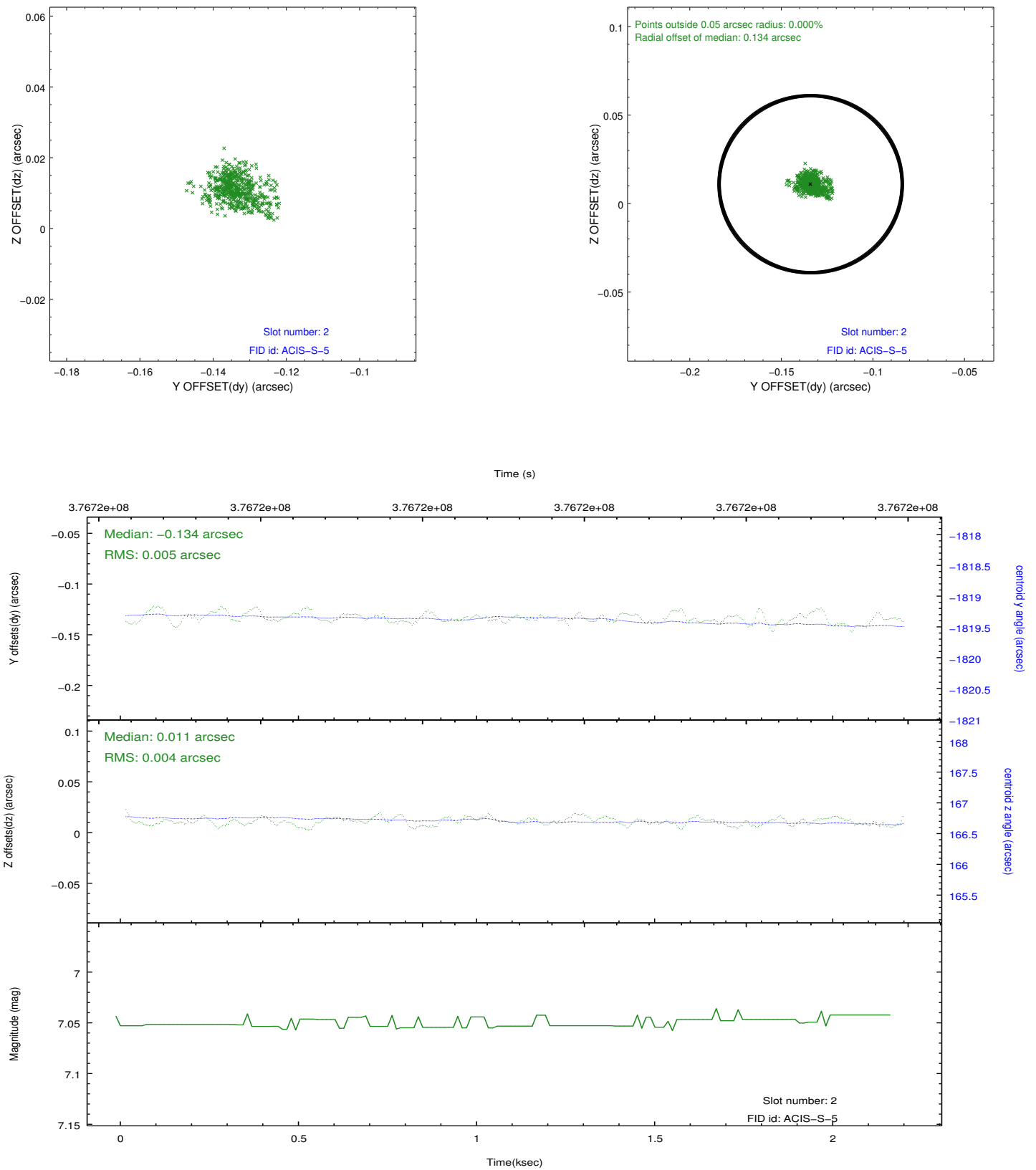
### 2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.180399870038

### A.2 Comments