

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8148 - L2 Version 2  
Chandra X-Ray Center

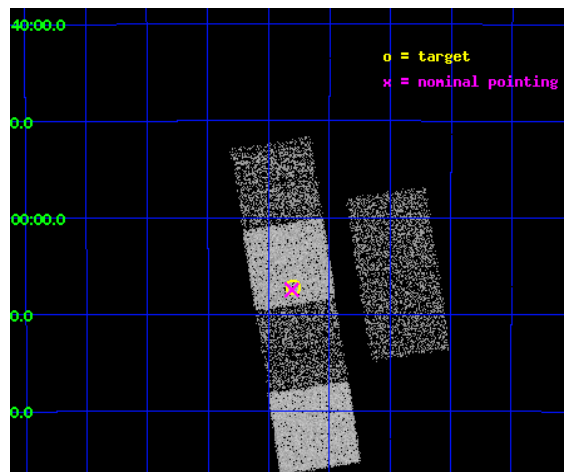
L2 Processing Date : May 3 2012

## 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

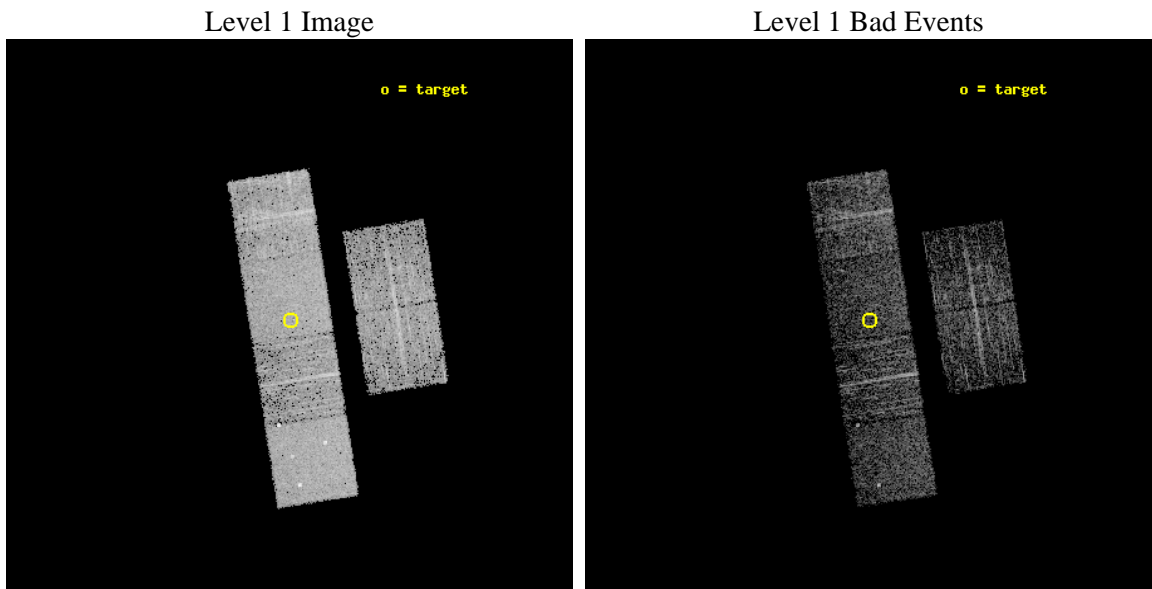
seq_num	900689	Sequence number
obs_id	8148	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J173548-3207	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.95	Observer's specified target RA [deg]
dec_targ	-32.12	Observer's specified target Dec [deg]
ra_nom	263.95223545585	Nominal RA [deg]
dec_nom	-32.12442397494	Nominal Dec [deg]
roll_nom	261.10880218415	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2035.1999924779	Sum of GTIs [s]
livetime	2009.4290647228	Livetime [s]
ontime2	2035.1999924779	Sum of GTIs [s]
ontime3	2035.1999924779	Sum of GTIs [s]
ontime5	2035.1999924779	Sum of GTIs [s]
ontime6	2035.1999924779	Sum of GTIs [s]
ontime7	2035.1999924779	Sum of GTIs [s]
ontime8	2025.4771811366	Sum of GTIs [s]
l2events	33636	Number of level 2 events



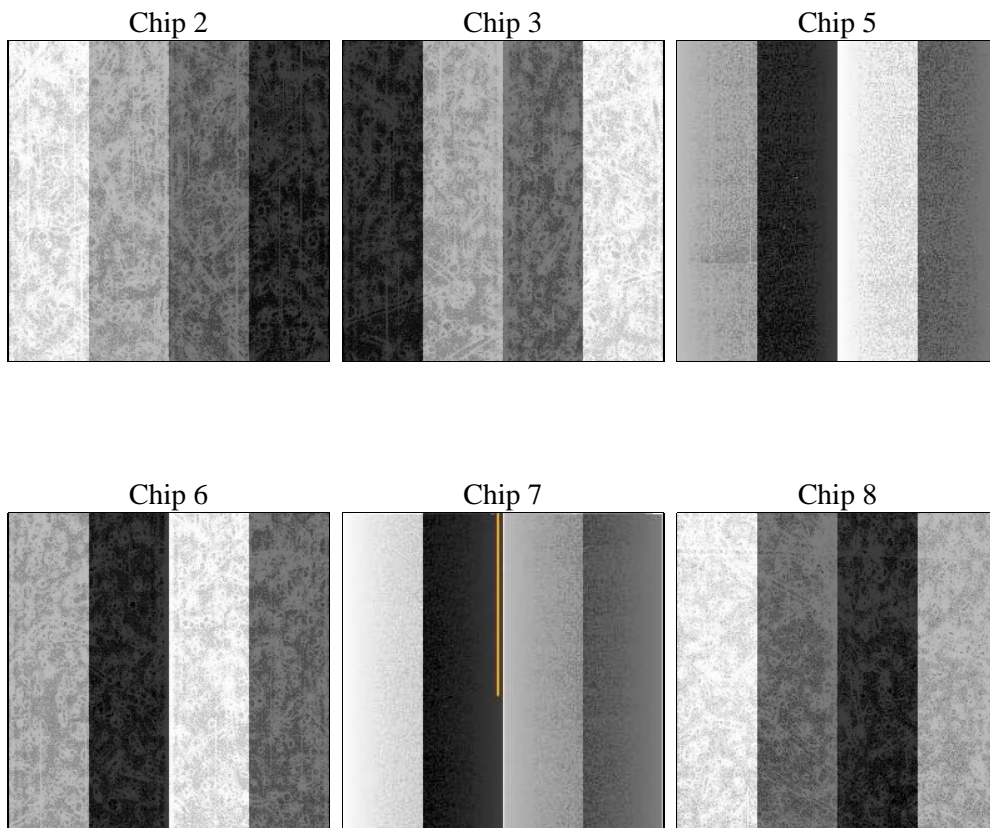
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2280.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2035.1999924779	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	2035.1999924779	Sum of GTIs [s]
date	2012-05-03T12:26:55	Date and time of file creation	ontime3	2035.1999924779	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2035.1999924779	Sum of GTIs [s]
			ontime6	2035.1999924779	Sum of GTIs [s]
			ontime7	2035.1999924779	Sum of GTIs [s]
			ontime8	2025.4771811366	Sum of GTIs [s]
			l1events	144446	Number of level 1 events

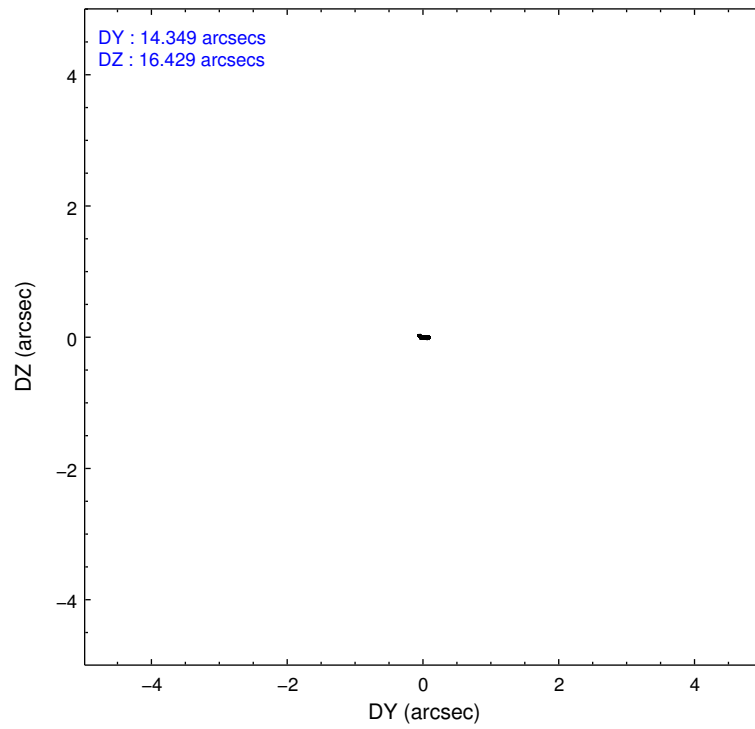
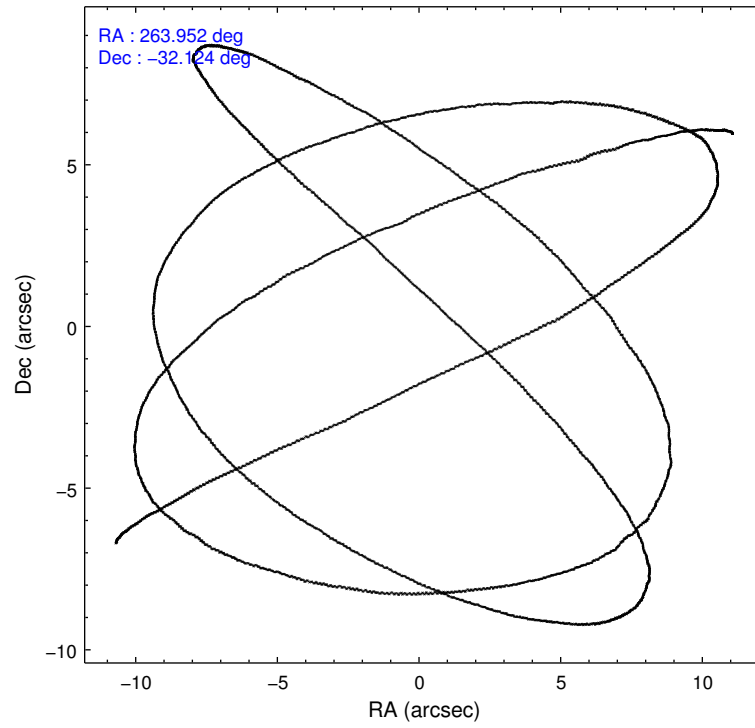
### 2.1.4 Events

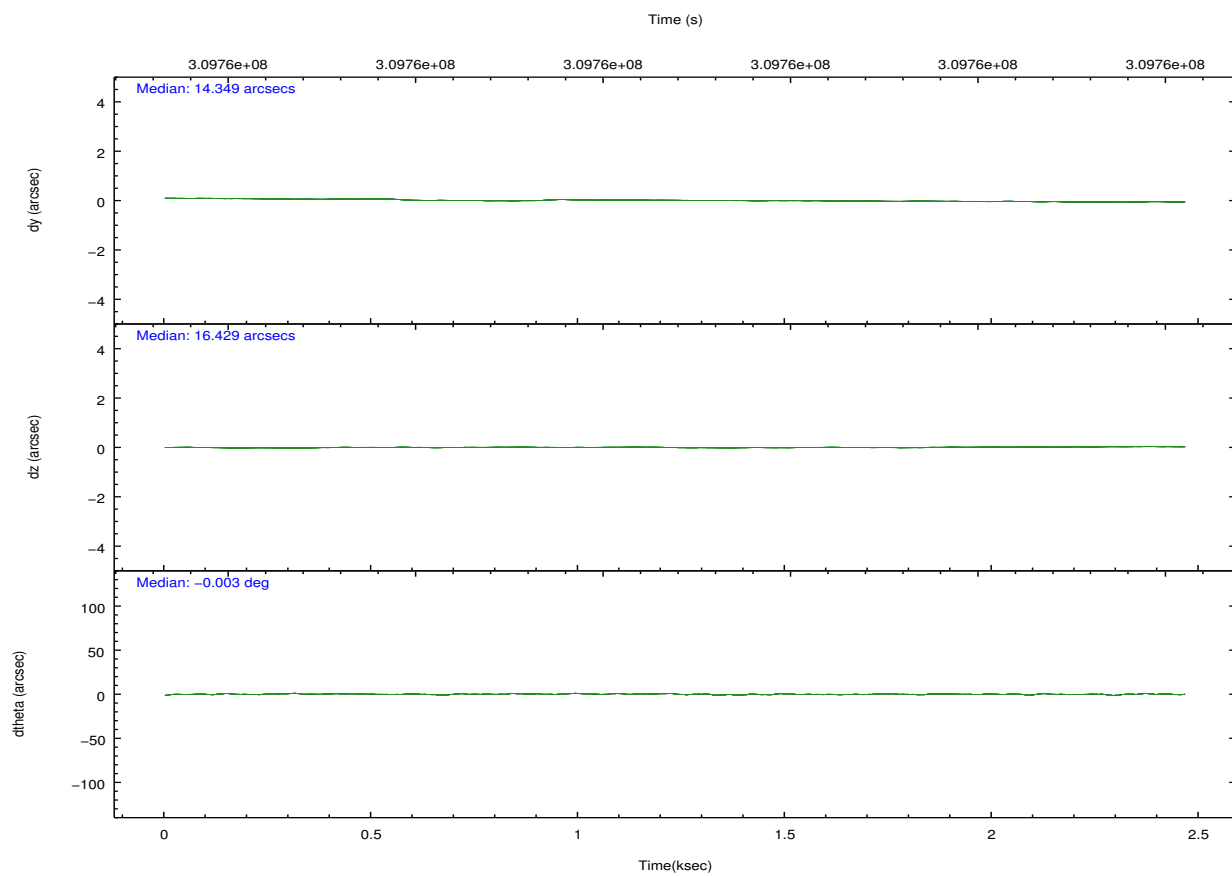
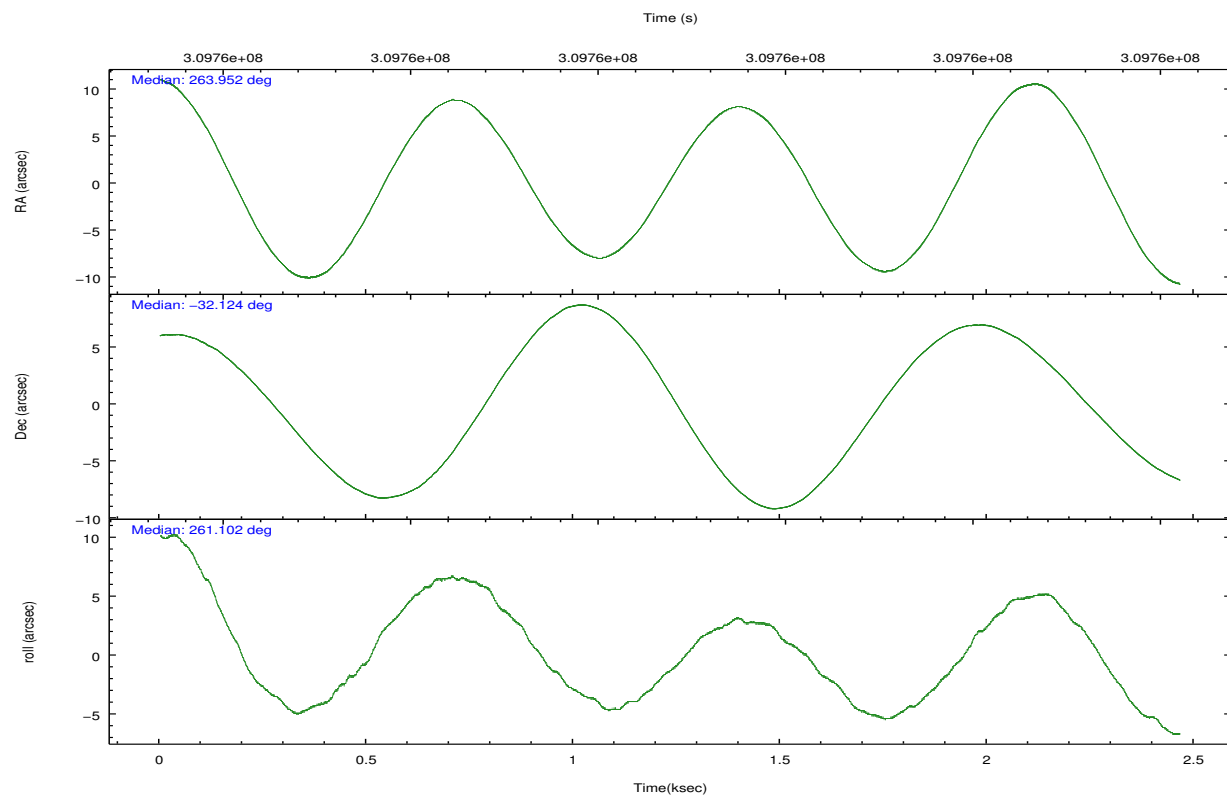
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19415	18386	30931	20511	27430	27773	grade 0 events	1131	1055	1593	1069	961	2031
rejected events	16985	16027	16156	17969	15763	21578		5%	5%	5%	5%	3%	7%
rejected %	87%	87%	52%	87%	57%	77%	grade 1 events	8	13	275	16	29	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	508	418	4477	550	2334	1322
								2%	2%	14%	2%	8%	4%
							grade 3 events	220	198	585	220	967	687
								1%	1%	1%	1%	3%	2%
							grade 4 events	228	231	553	225	996	649
								1%	1%	1%	1%	3%	2%
							grade 5 events	732	851	2155	915	2572	1204
								3%	4%	6%	4%	9%	4%
							grade 6 events	352	465	7605	482	6439	1554
								1%	2%	24%	2%	23%	5%
							grade 7 events	16236	15155	13688	17034	13132	20297
								83%	82%	44%	83%	47%	73%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	263.940186	263.9522354558549	CCD I2 on	O2	Y
[deg] Pointing Dec	-32.099096	-32.12442397494046	CCD I3 on	O3	Y
[deg] Pointing Roll	260.945785	261.1088021841483	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	309761149.184000	309760773.199	CCD S5 on	N	N
Observation start date	2007-10-26T04:44:44	2007-10-26T04:39:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	309763429.184000	309763563.24913	On-chip summing requested	N	N
Observation end date	2007-10-26T05:22:44	2007-10-26T05:26:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



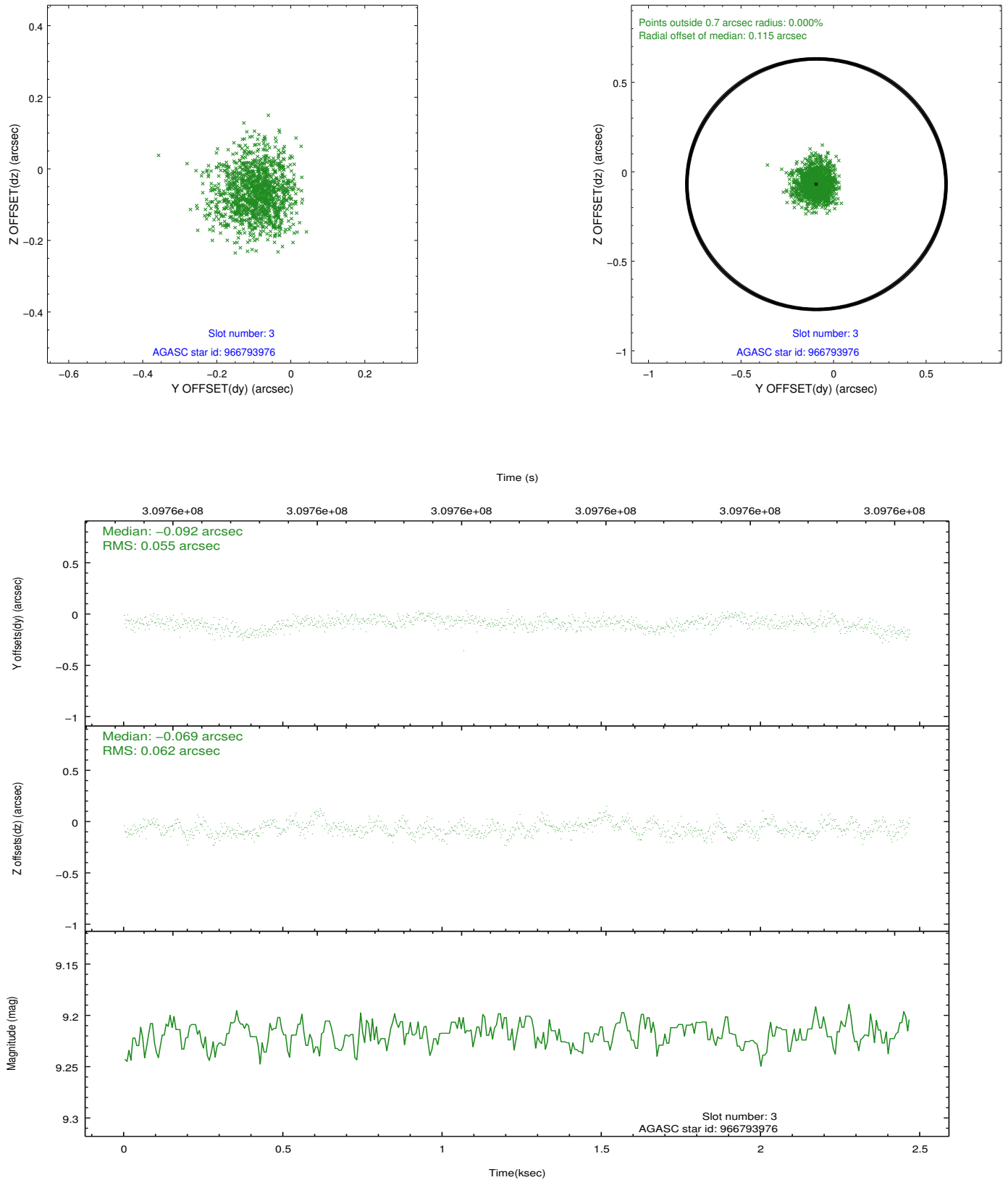


### Slot Statistics

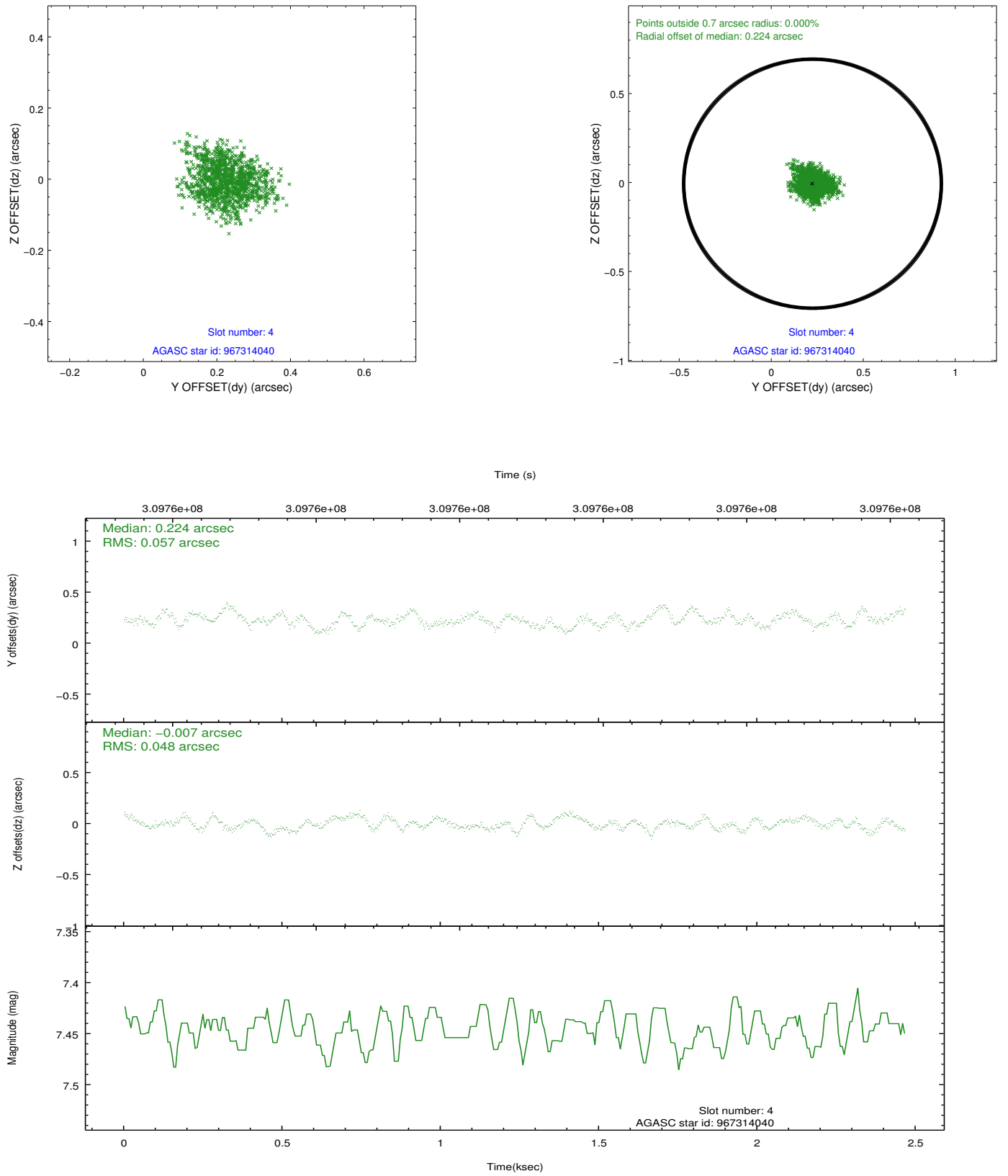
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	602	-0.066	-0.031	0.007	0.011	0.000000	0.000000	-767.39	-1737.82
1	FID	ACIS-S-4	7.19	602	0.189	0.040	0.005	0.010	0.000000	0.000000	2144.96	167.98
2	FID	ACIS-S-5	7.22	602	-0.154	0.000	0.006	0.010	0.000000	0.000000	-1816.94	164.64
3	GUIDE	966793976	9.22	1202	-0.092	-0.069	0.089	0.145	263.357453	-31.692497	-1159.19	-1992.48
4	GUIDE	967314040	7.44	1203	0.224	-0.007	0.080	0.125	264.244314	-32.128610	-39.97	931.00
5	GUIDE	967314424	8.98	1201	-0.027	-0.096	0.101	0.165	263.423015	-31.957273	-251.17	-1638.95
6	GUIDE	967315384	9.11	1200	-0.080	0.032	0.089	0.137	264.320802	-32.068924	-287.84	1128.63
7	GUIDE	967315840	9.06	1200	-0.025	0.131	0.073	0.116	264.613107	-32.630537	1574.70	2318.23

## 2.4 Star Slots

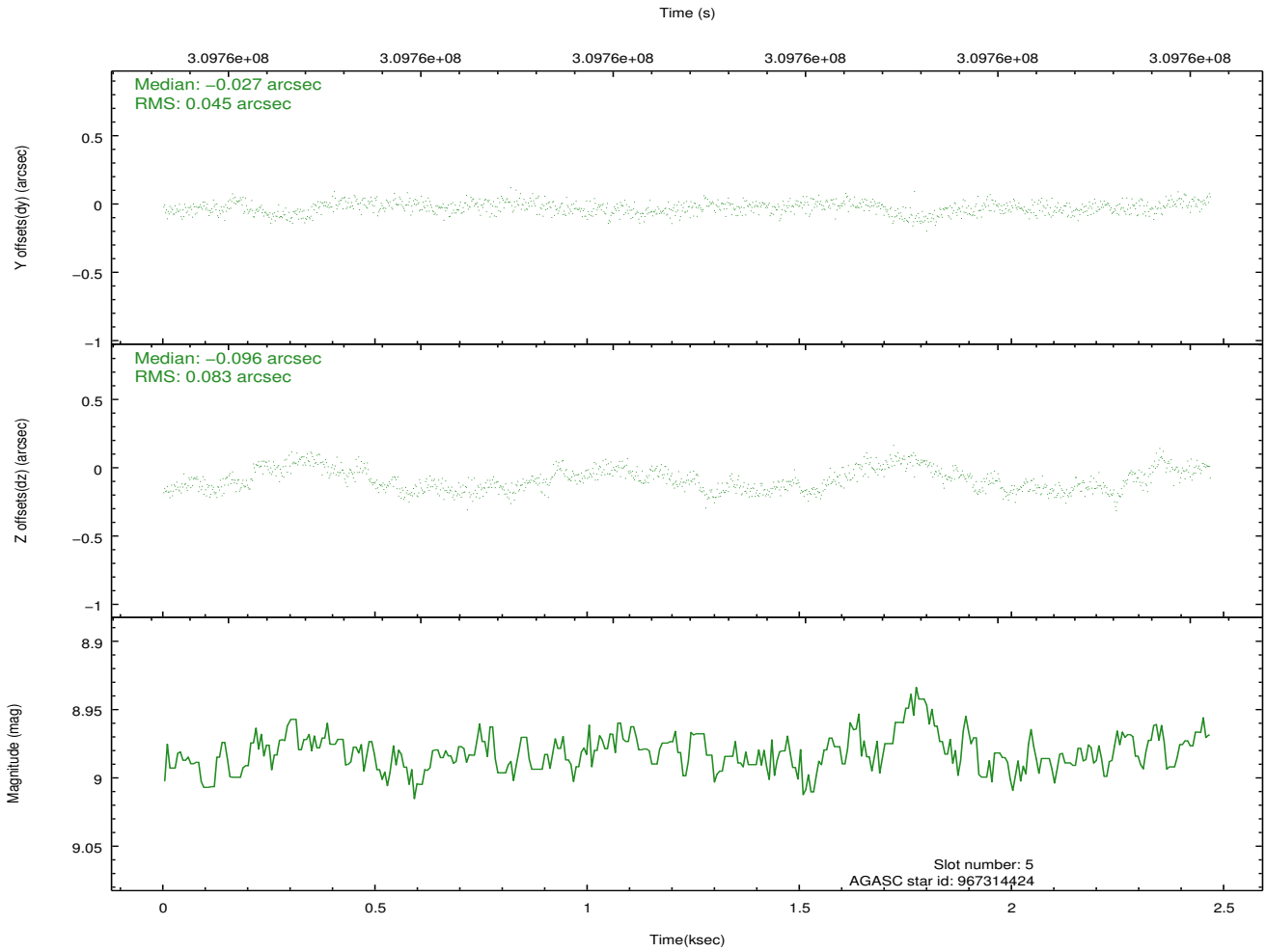
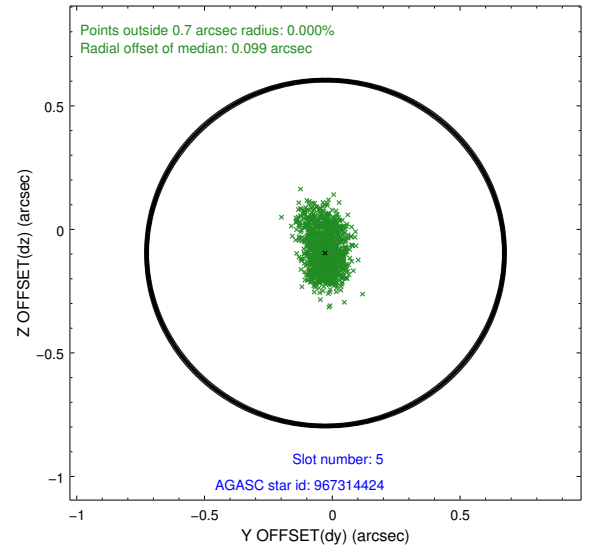
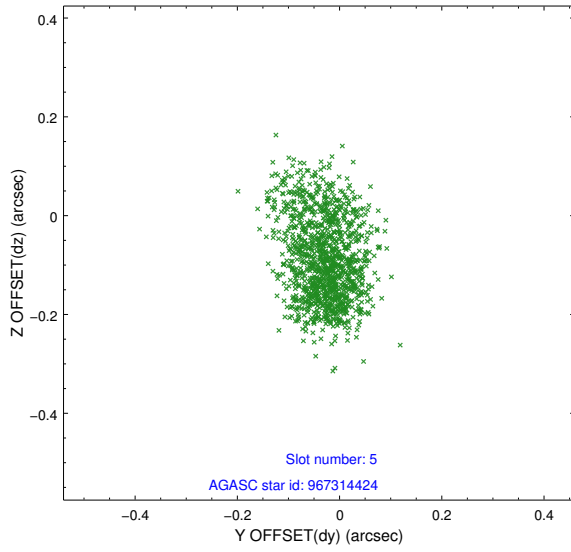
### 2.4.1 Slot 3



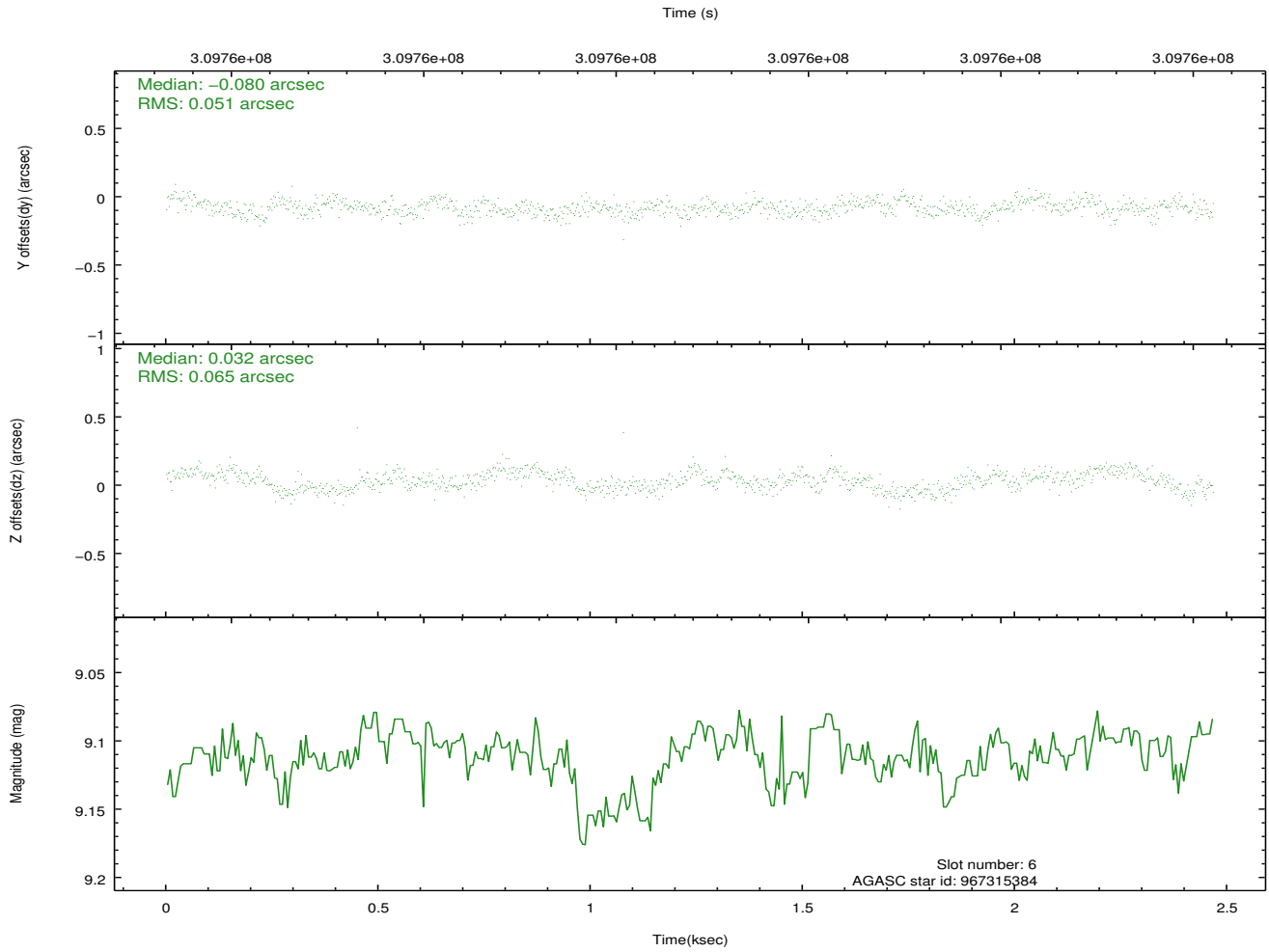
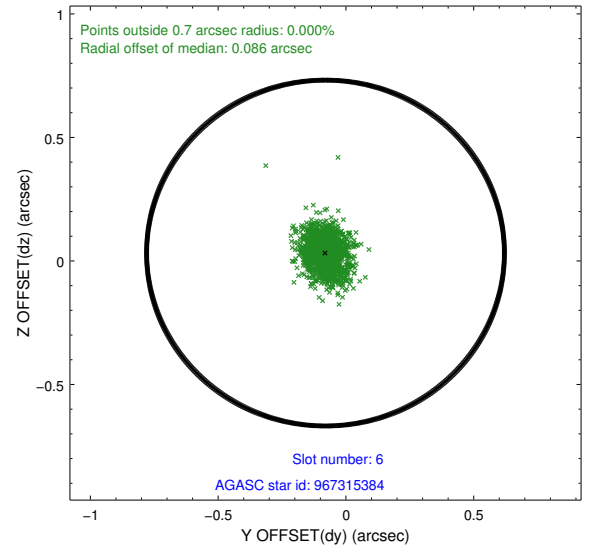
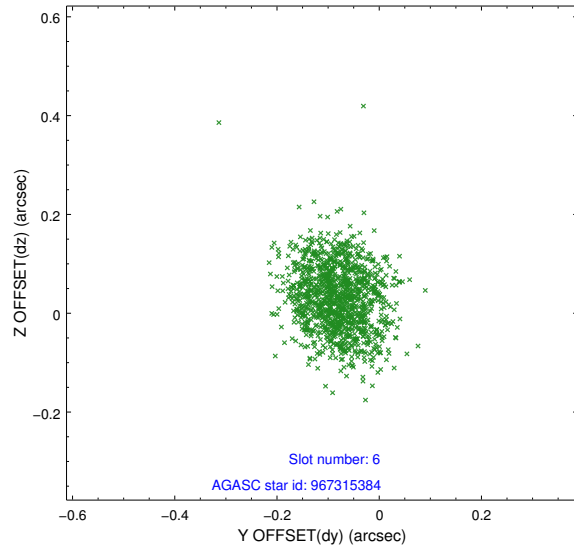
## 2.4.2 Slot 4



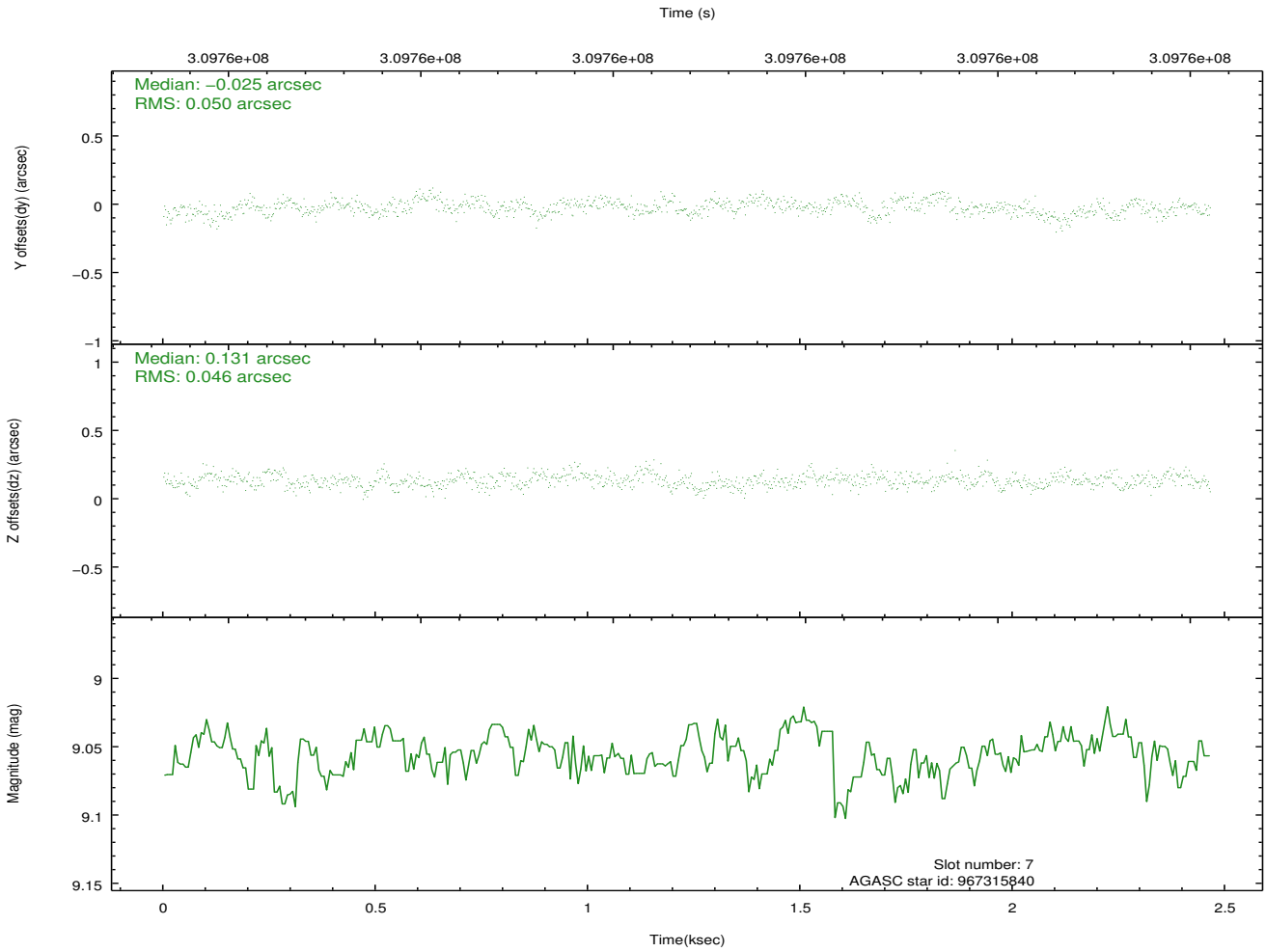
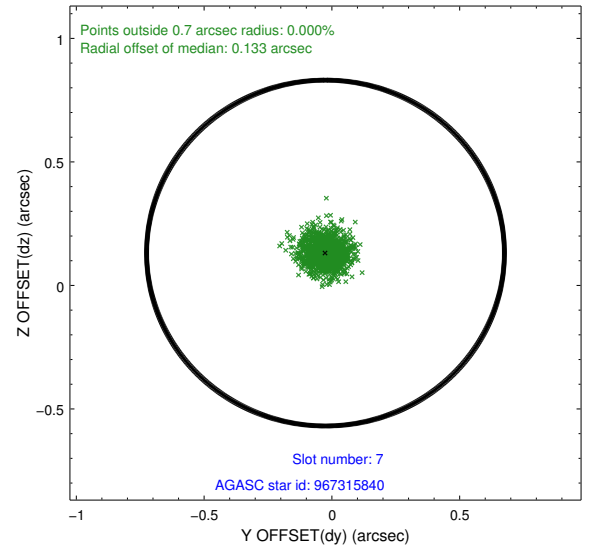
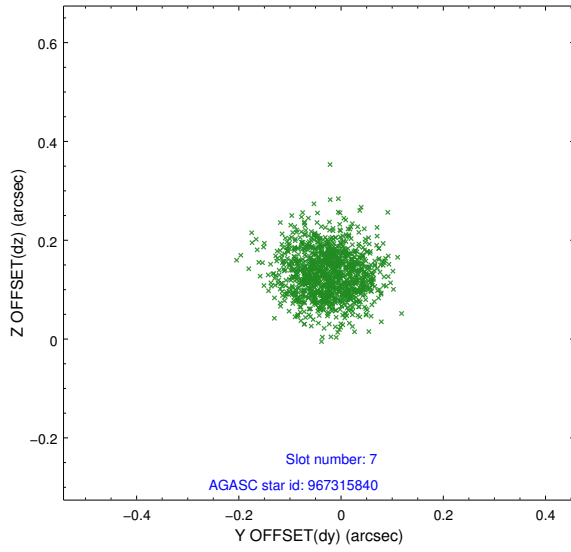
### 2.4.3 Slot 5



## 2.4.4 Slot 6

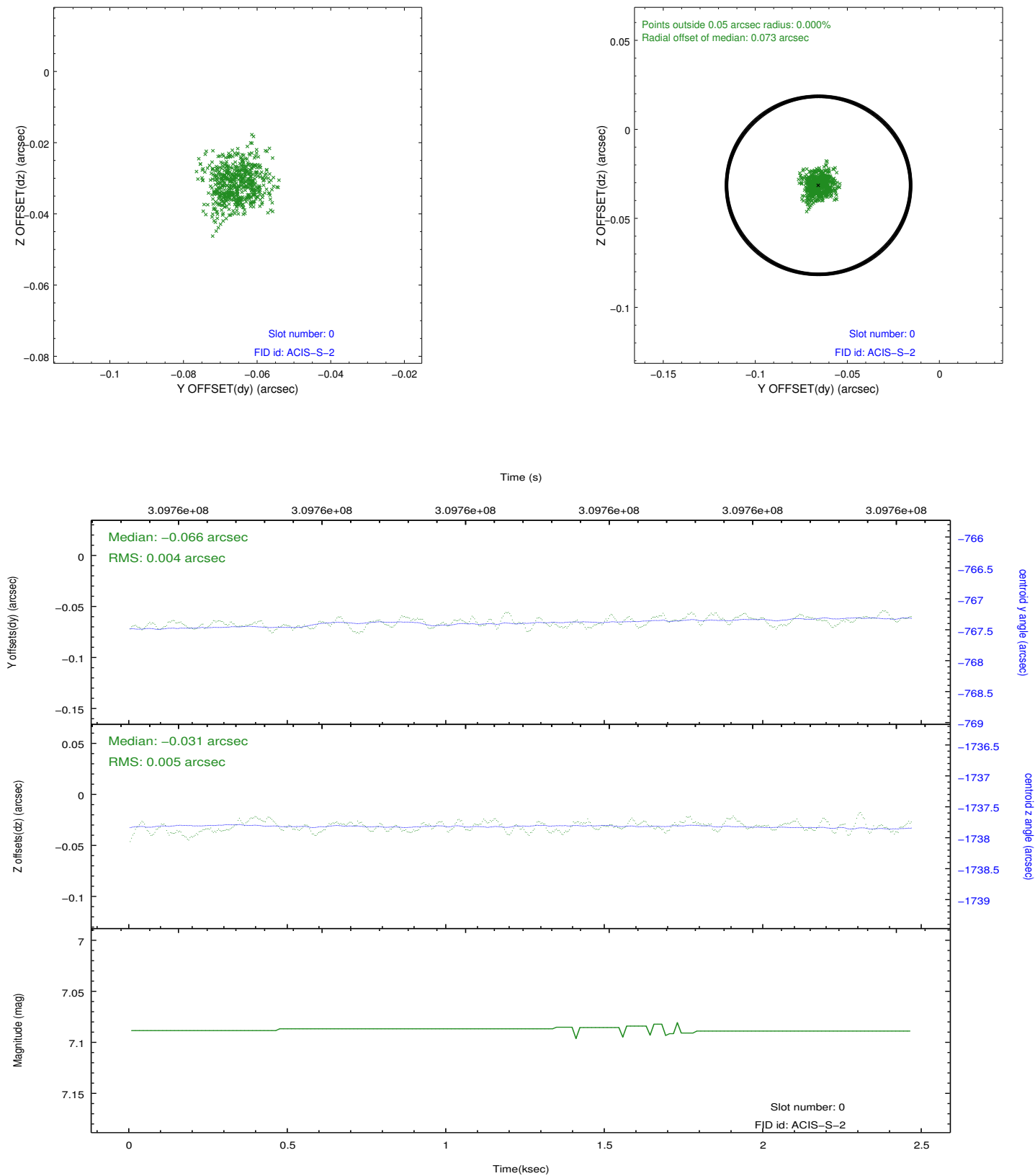


## 2.4.5 Slot 7

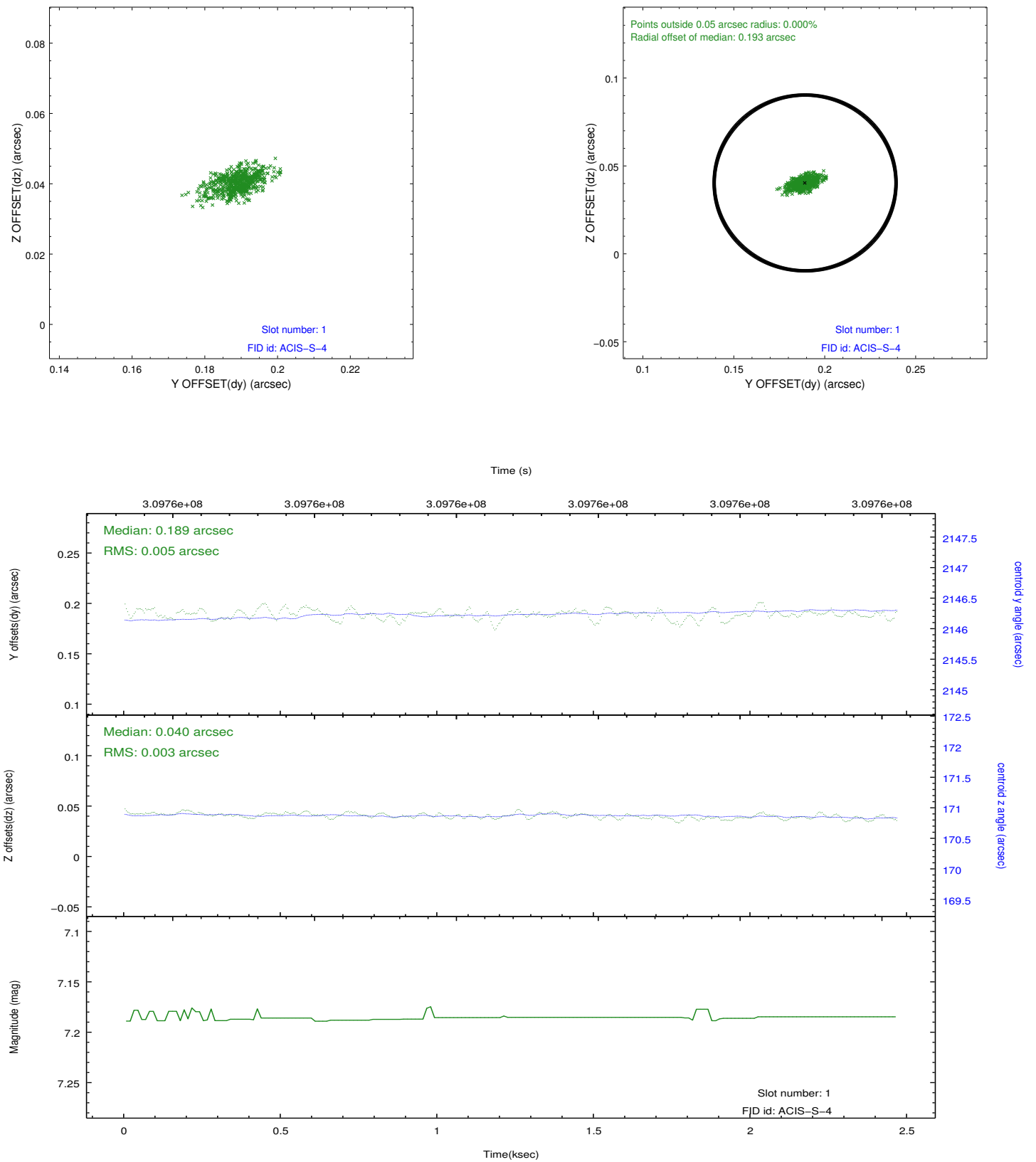


## 2.5 FID Slots

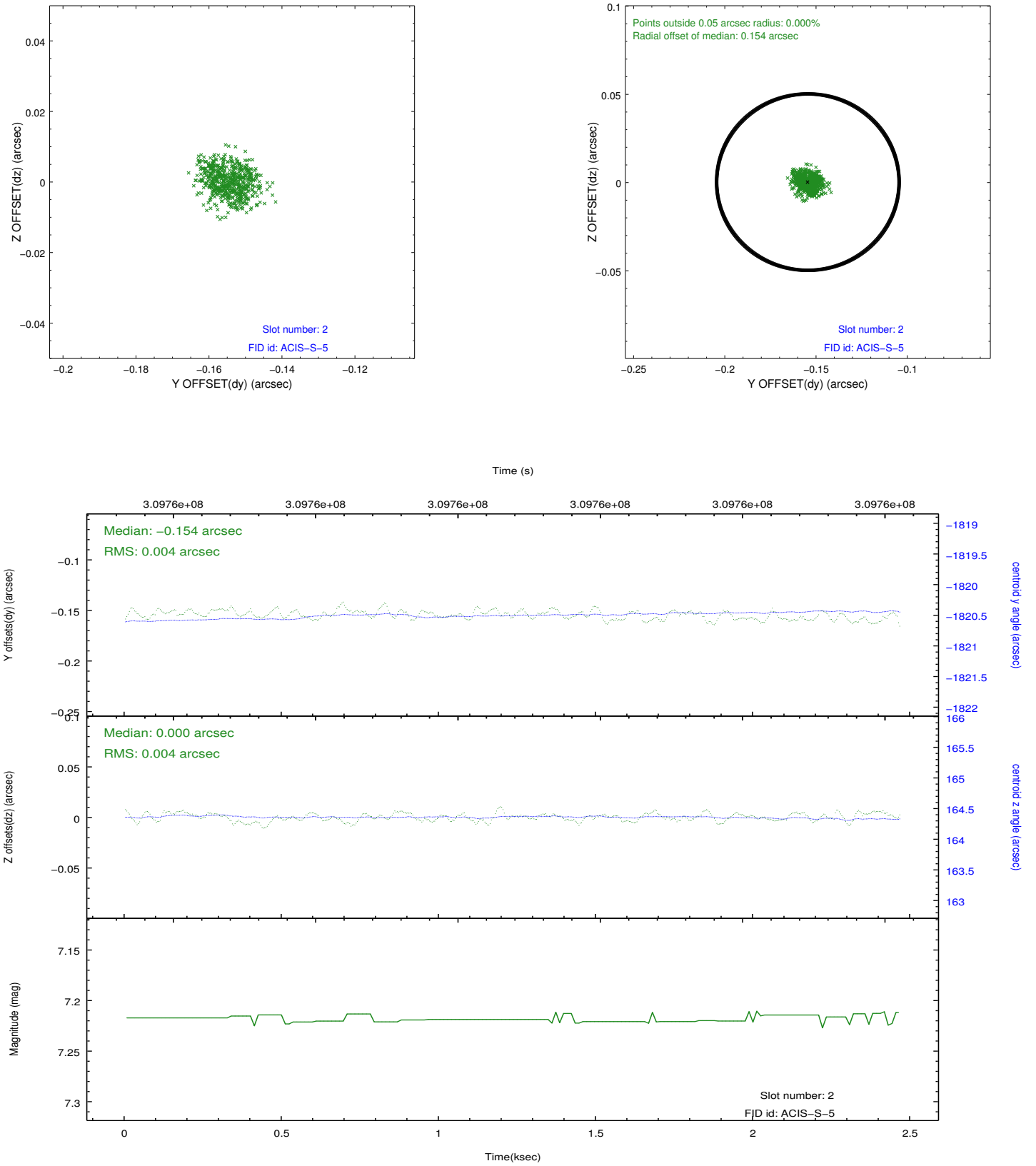
### 2.5.1 Slot 0



## 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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03519999

### A.2 Comments