

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10384 - L2 Version 2  
Chandra X-Ray Center

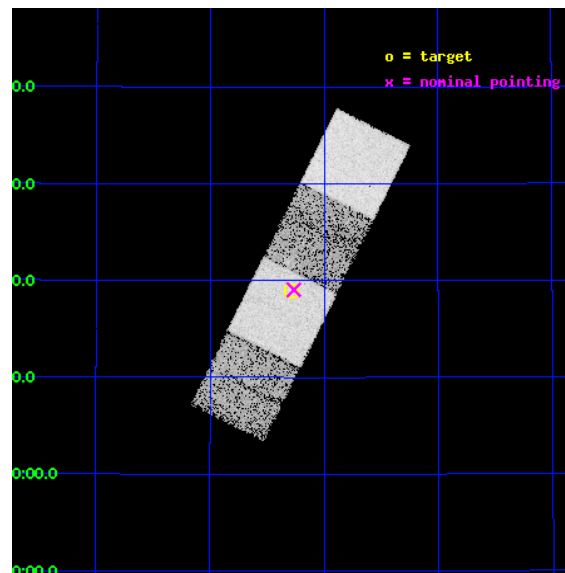
L2 Processing Date : May 28 2012

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# 1 Front

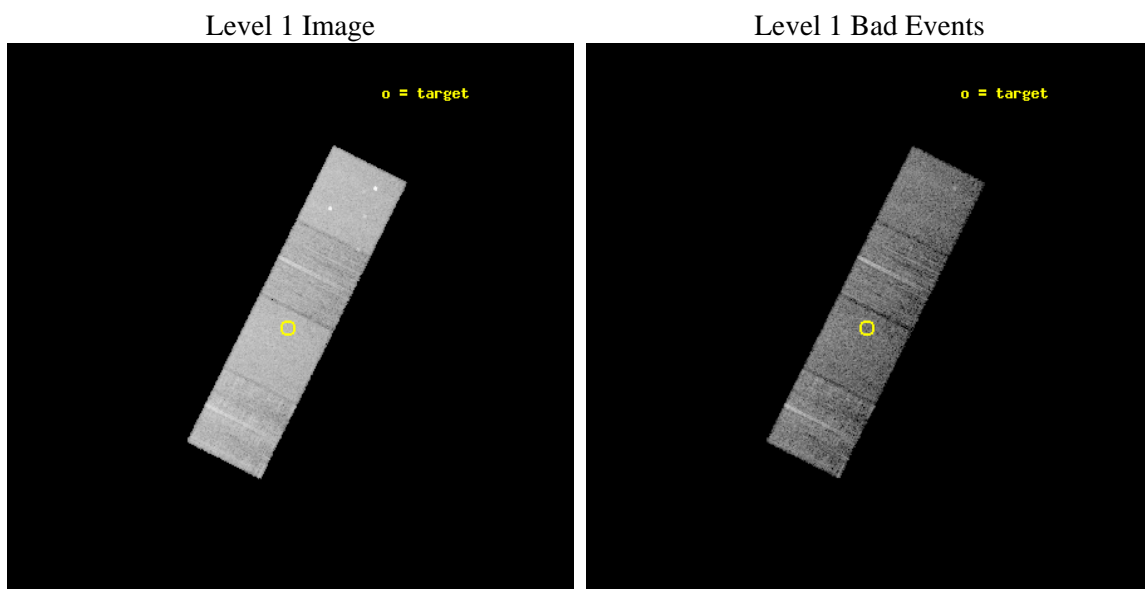
seq_num	701927	Sequence number
obs_id	10384	Observation id
title	Chandra survey of Polar Broad Absorption-Line Quasars	Proposal tit
observer	Dr. Kajal Ghosh	Principal investigator
object	SDSS J082817.25+371853.7	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.071667	Observer's specified target RA [deg]
dec_targ	37.314917	Observer's specified target Dec [deg]
ra_nom	127.0664992229	Nominal RA [deg]
dec_nom	37.317520584686	Nominal Dec [deg]
roll_nom	116.56113245087	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6175.200047493	Sum of GTIs [s]
livetime	6094.5165127563	Livetime [s]
ontime5	6175.200047493	Sum of GTIs [s]
ontime6	6175.200047493	Sum of GTIs [s]
ontime7	6175.200047493	Sum of GTIs [s]
ontime8	6175.200047493	Sum of GTIs [s]
l2events	90554	Number of level 2 events



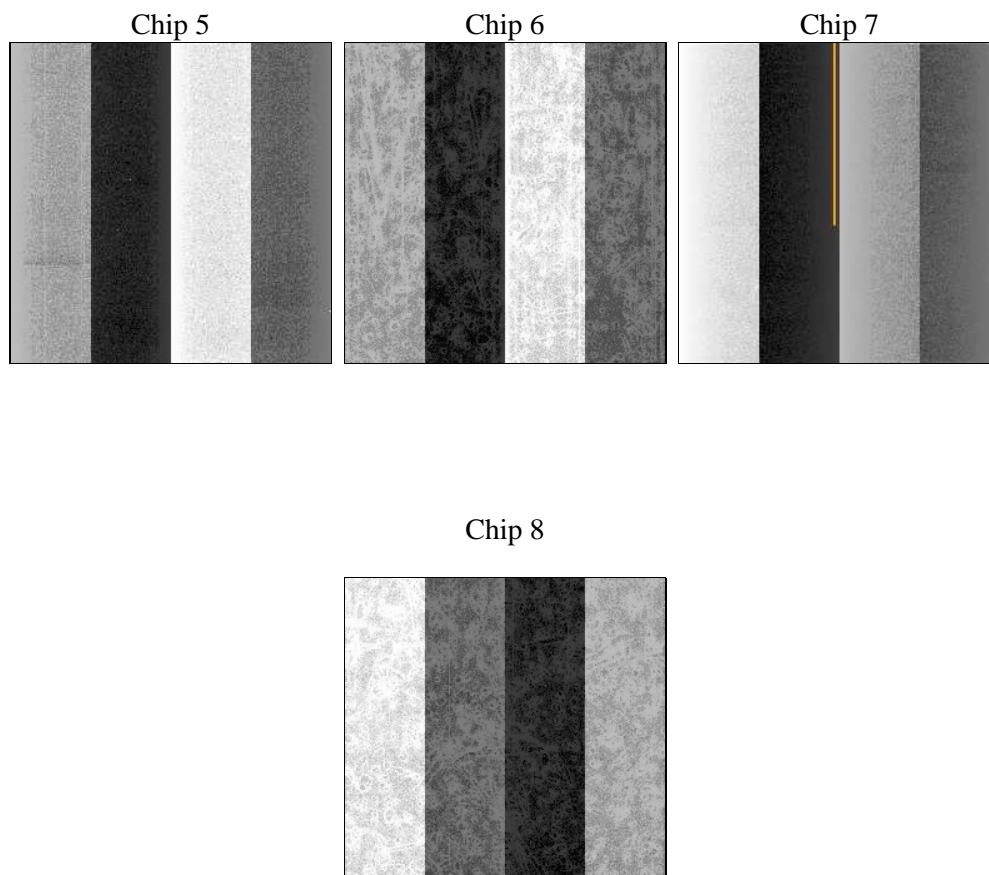
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	6175.200047493	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime5	6175.200047493	Sum of GTIs [s]
date	2012-05-28T11:40:02	Date and time of file creation	ontime6	6175.200047493	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	6175.200047493	Sum of GTIs [s]
			ontime8	6175.200047493	Sum of GTIs [s]
			l1events	342905	Number of level 1 events

### 2.1.4 Events

	<b>ccd 5</b>	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	102839	65397	90830	83839
rejected events	57312	57627	55134	65072
rejected %	55%	88%	60%	77%

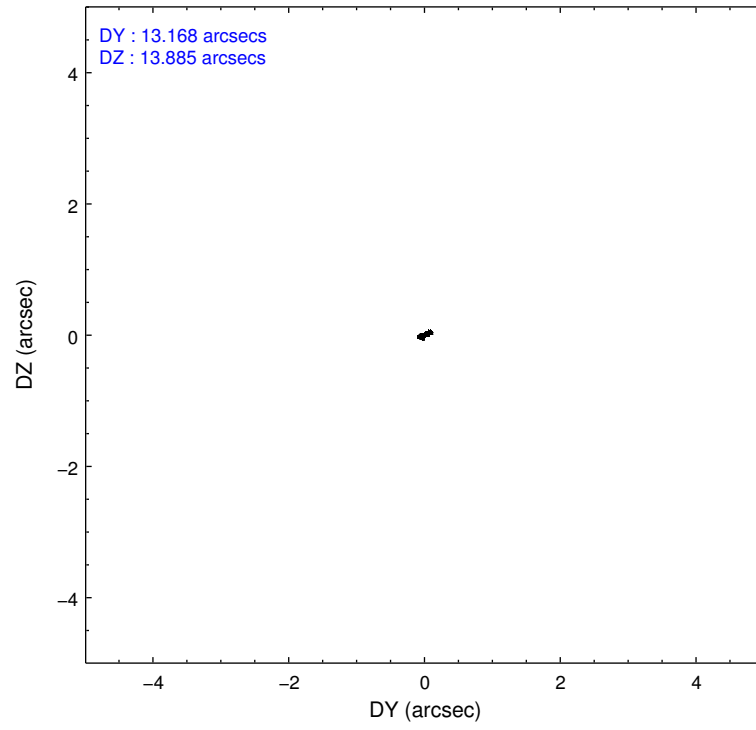
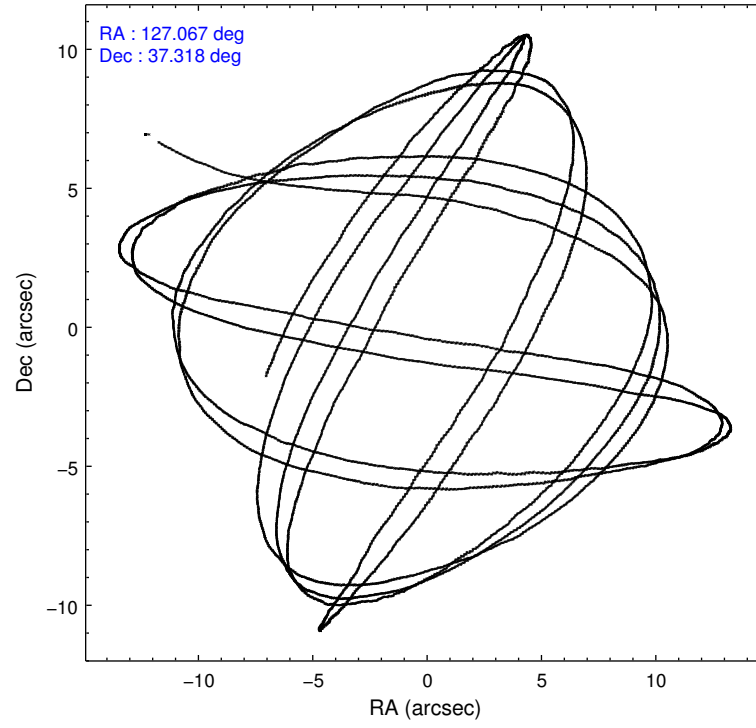
	<b>ccd 5</b>	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	4730	3159	3141	6006
	4%	4%	3%	7%
grade 1 events	276	34	108	85
	0%	0%	0%	0%
grade 2 events	15007	1809	7624	4506
	14%	2%	8%	5%
grade 3 events	1603	774	3121	2050
	1%	1%	3%	2%
grade 4 events	1583	720	3069	1900
	1%	1%	3%	2%
grade 5 events	7128	3061	8514	4086
	6%	4%	9%	4%
grade 6 events	24720	1653	20455	5287
	24%	2%	22%	6%
grade 7 events	47792	54187	44798	59919
	46%	82%	49%	71%

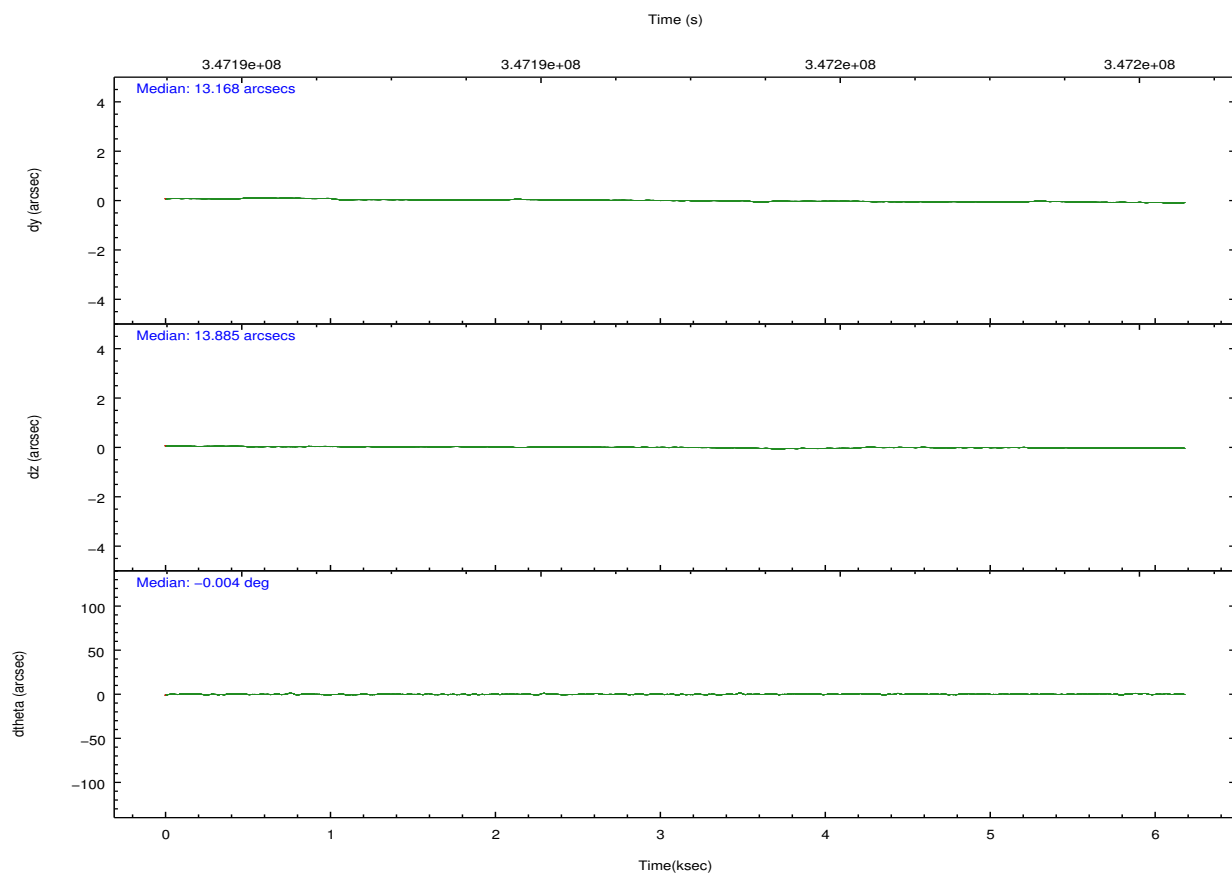
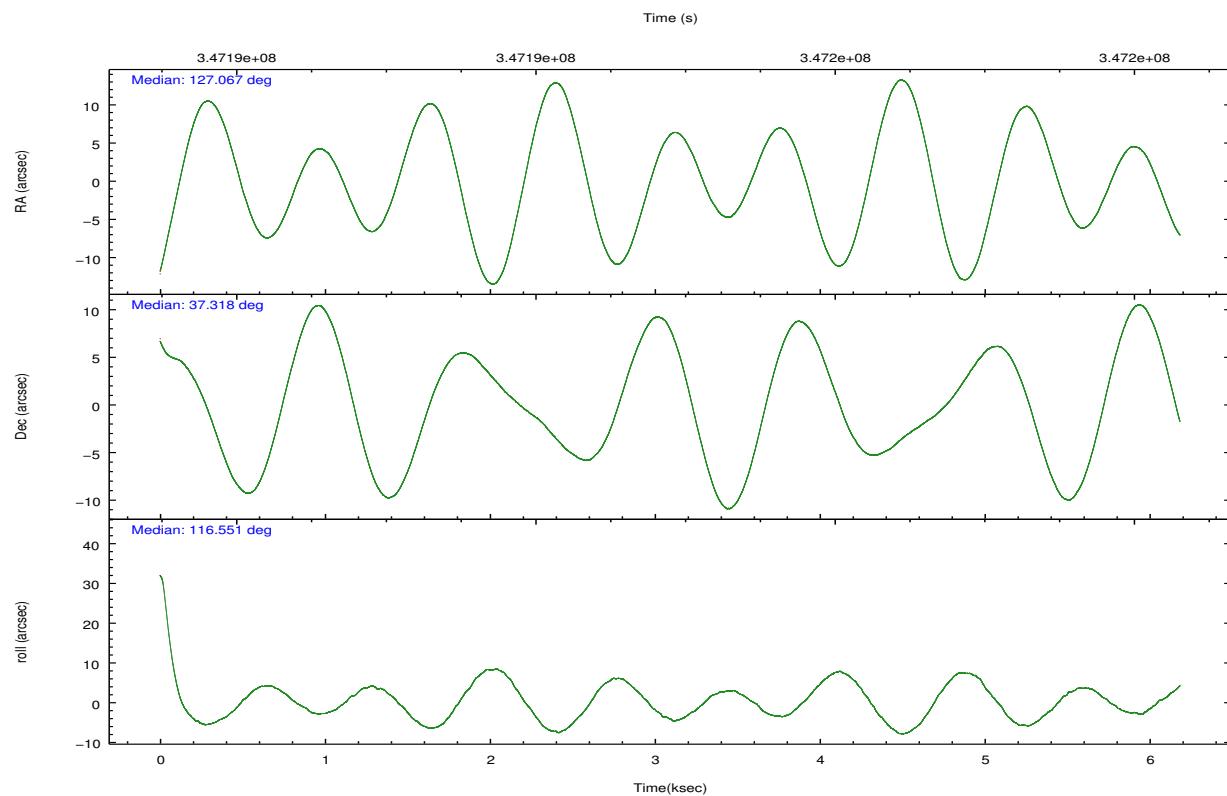


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	127.095420	127.0664992229012	Subarray requested	NONE	NONE
[deg] Pointing Dec	37.302708	37.31752058468578	Alternating exposures requested	N	N
[deg] Pointing Roll	116.386922	116.5611324508704	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	347191990.184000	347190911.46195			
Observation start date	2009-01-01T10:12:04	2009-01-01T09:55:11			
[s] Observation end time (MET)	347197990.184000	347198677.88733			
Observation end date	2009-01-01T11:52:04	2009-01-01T12:04:37			
Read mode	TIMED	TIMED			

## 2.3 Aspect



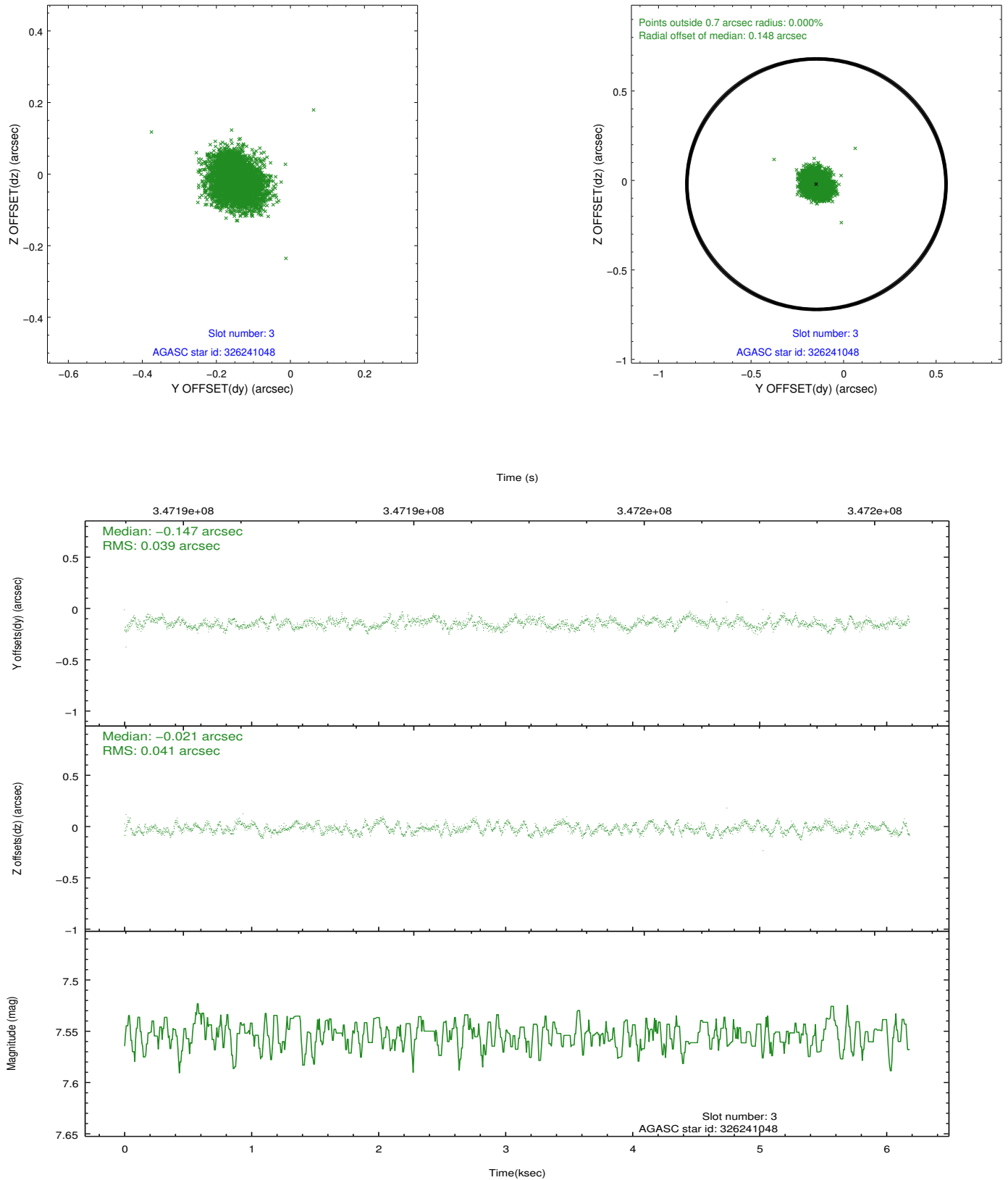


### Slot Statistics

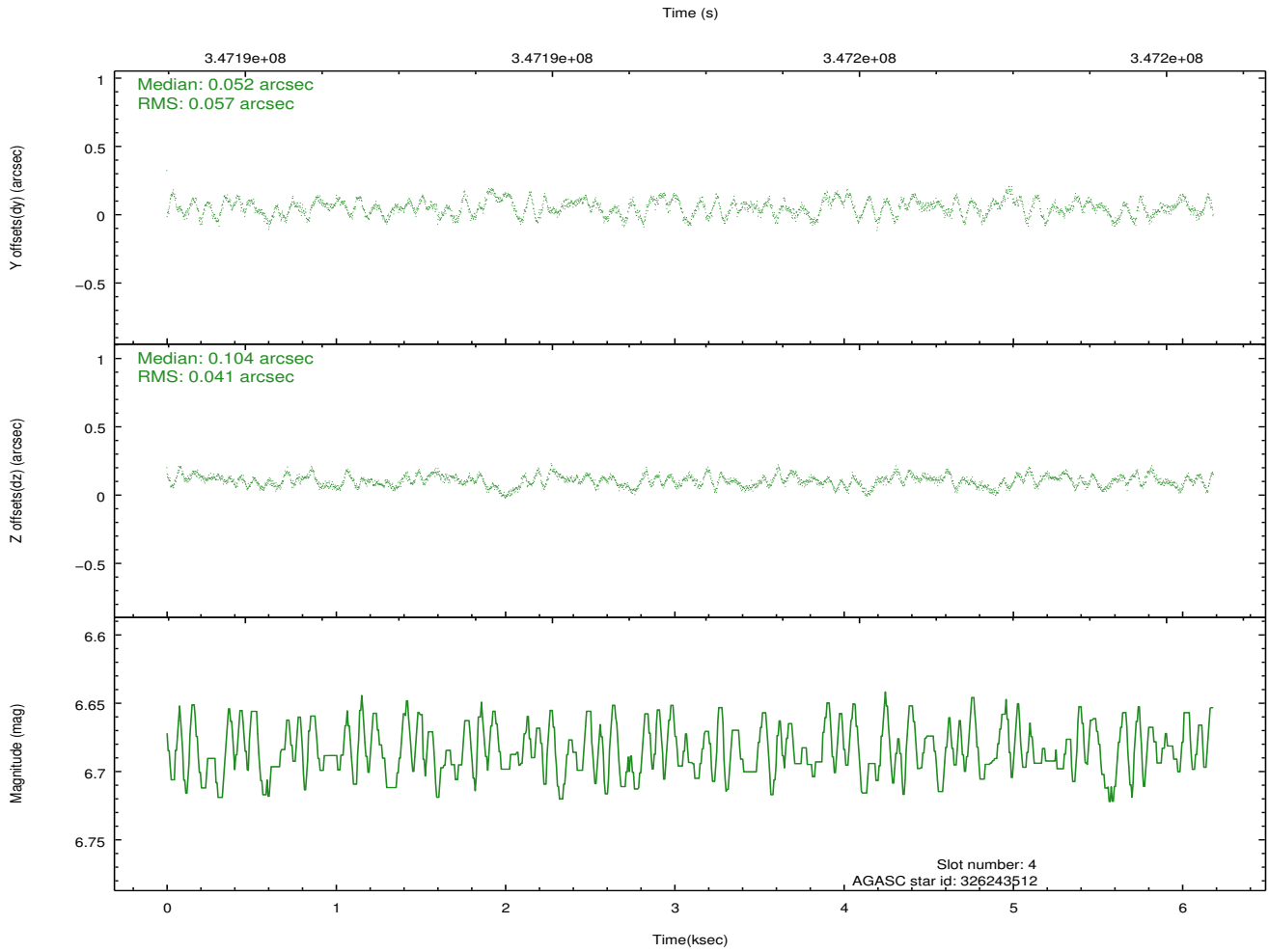
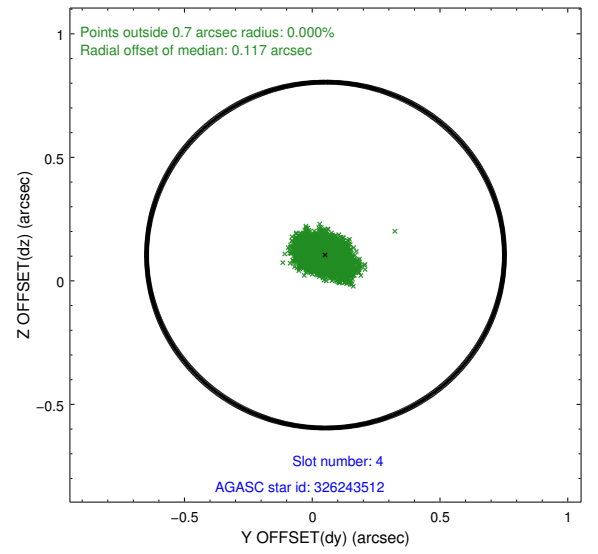
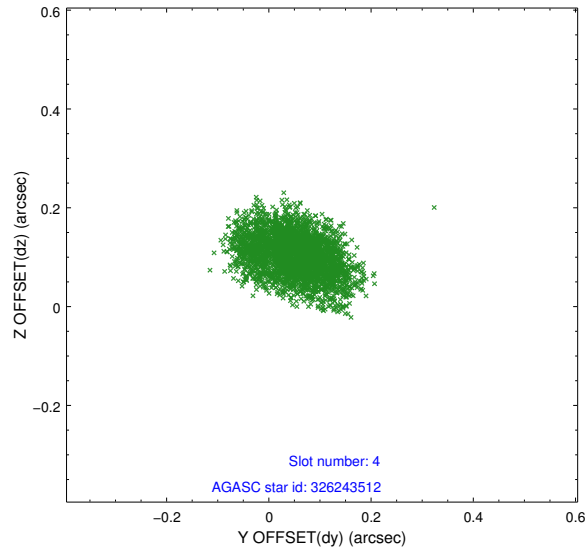
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	1509	-0.038	-0.056	0.006	0.010	0.000000	0.000000	-766.12	-1735.19
1	FID	ACIS-S-4	7.05	1509	0.185	0.034	0.007	0.012	0.000000	0.000000	2146.94	172.40
2	FID	ACIS-S-5	7.09	1509	-0.178	0.032	0.007	0.011	0.000000	0.000000	-1817.89	167.15
3	GUIDE	326241048	7.55	3016	-0.147	-0.021	0.062	0.093	126.509865	36.982691	-279.58	2018.57
4	GUIDE	326243512	6.69	3017	0.052	0.104	0.076	0.120	127.833197	37.264941	-1053.83	-1835.47
5	GUIDE	326250176	8.05	3011	0.032	-0.086	0.061	0.098	126.704328	36.635280	-1649.11	2078.46
6	GUIDE	326253984	8.09	3017	0.070	0.194	0.058	0.092	127.484631	37.070969	-1242.59	-630.61
7	GUIDE	389944848	8.18	3014	-0.010	-0.191	0.057	0.092	126.949244	37.500847	824.30	57.06

## 2.4 Star Slots

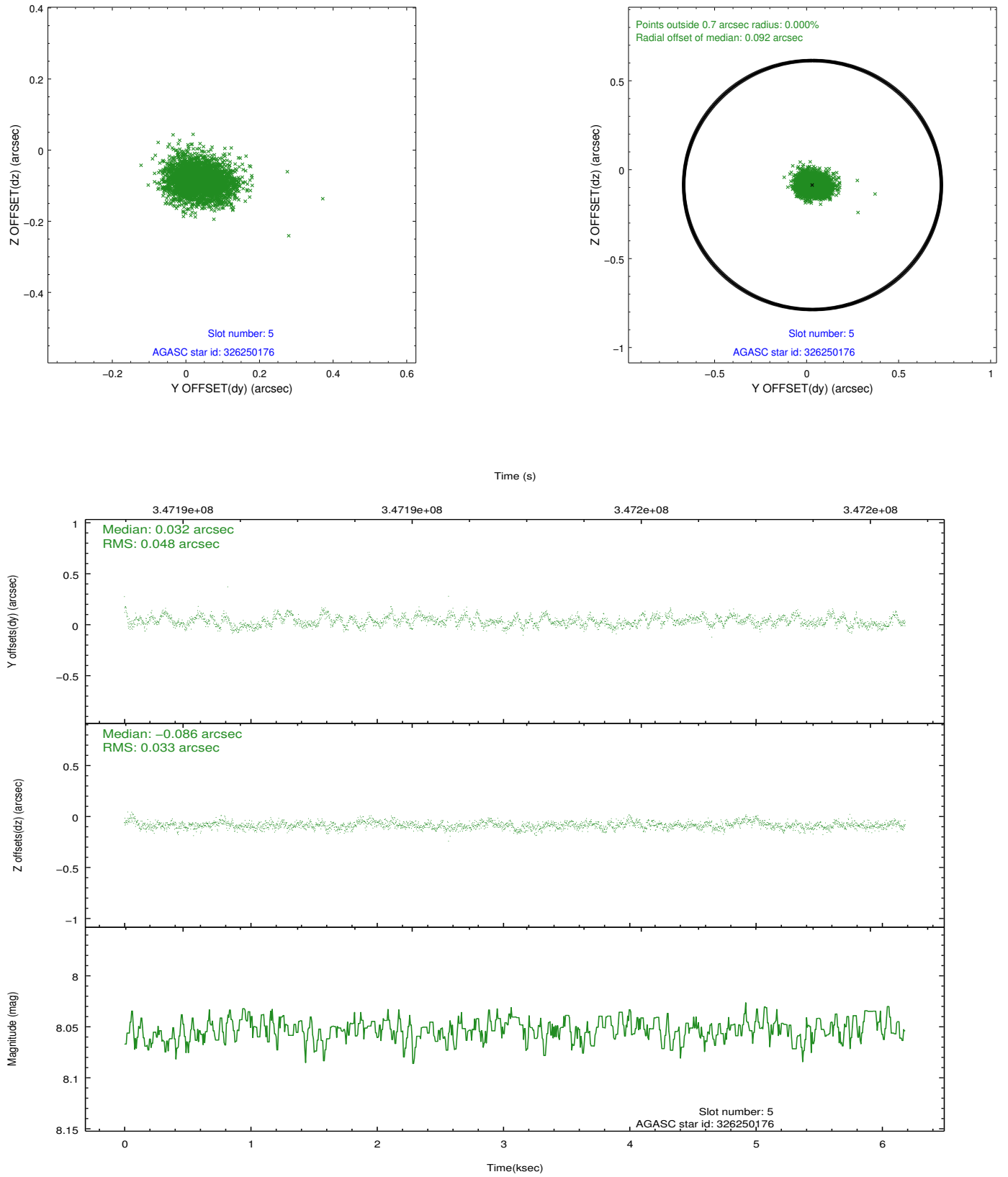
### 2.4.1 Slot 3



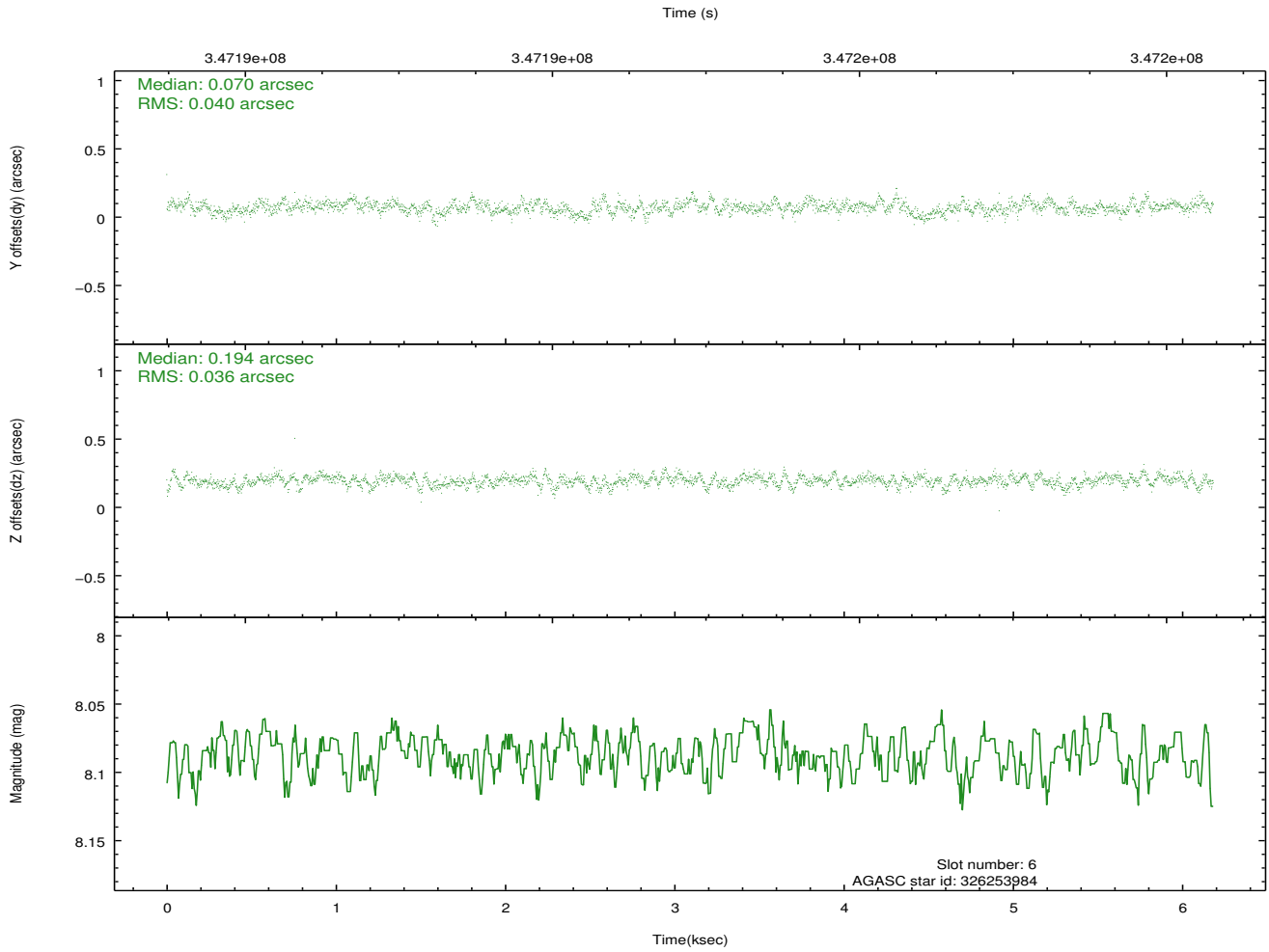
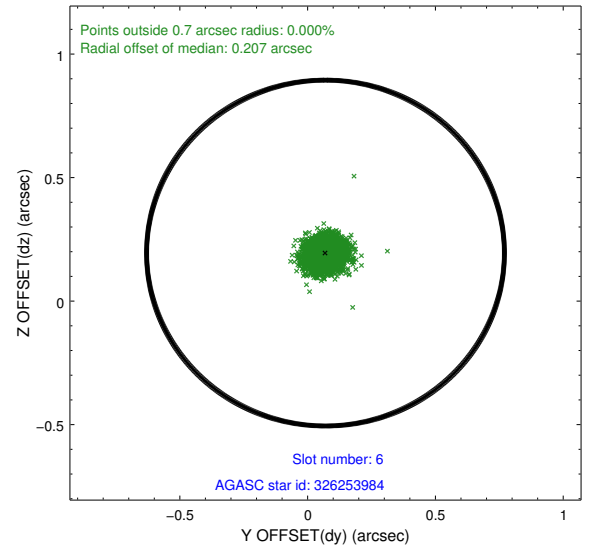
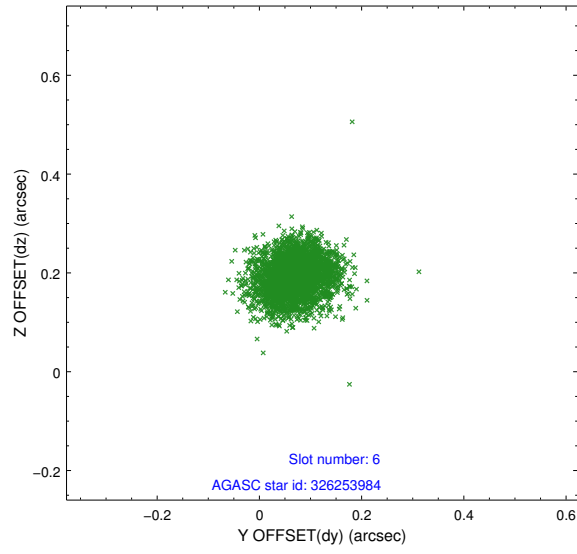
## 2.4.2 Slot 4



### 2.4.3 Slot 5

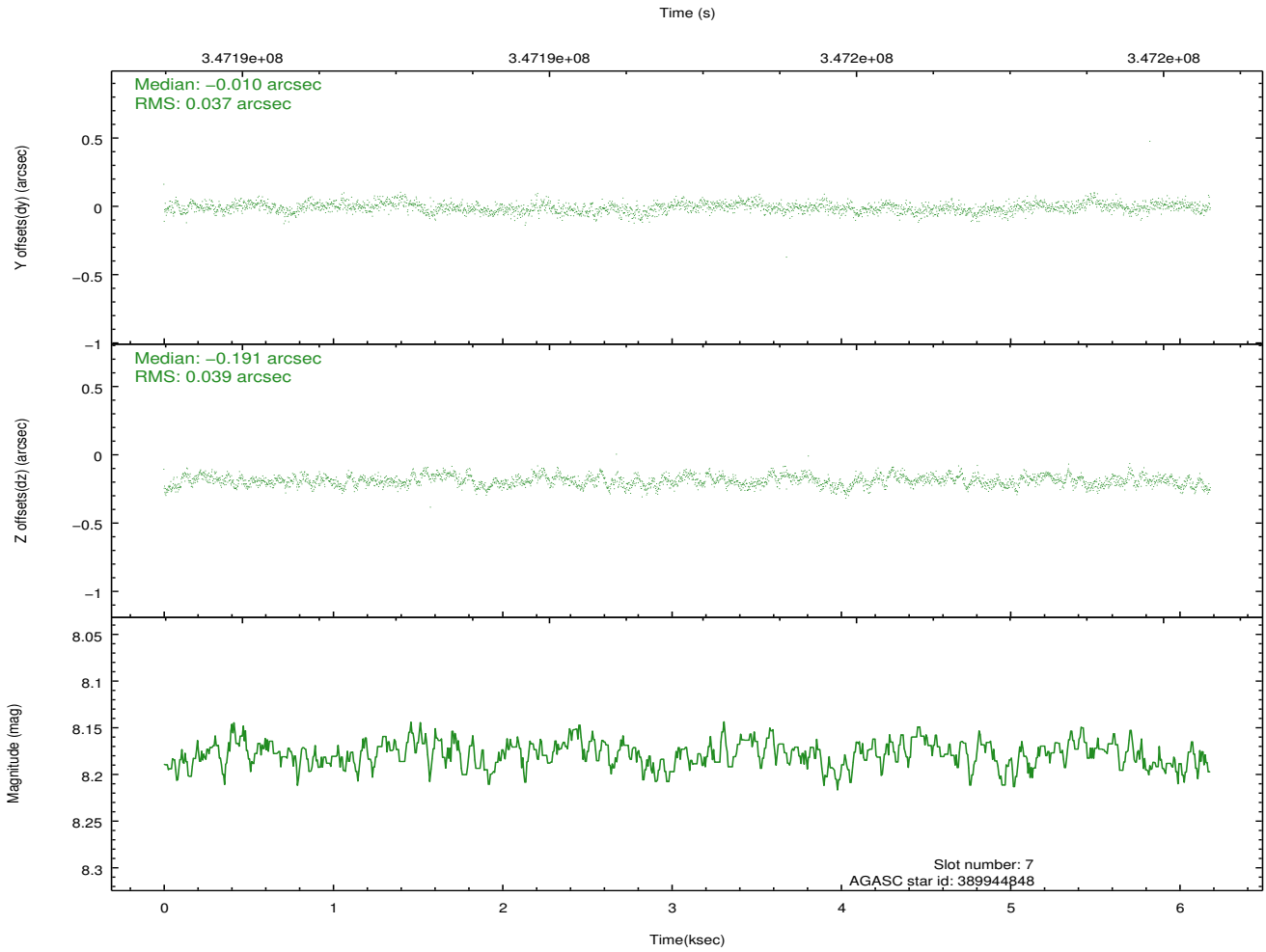
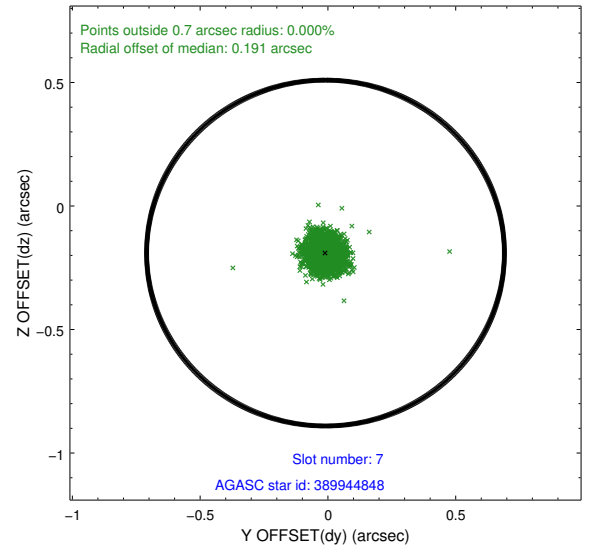
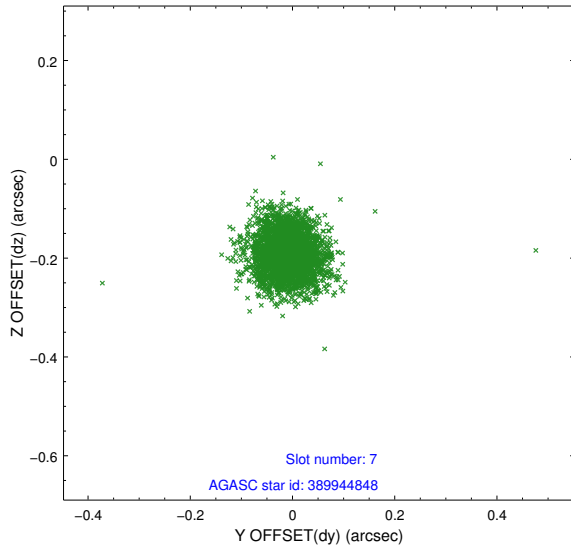


## 2.4.4 Slot 6



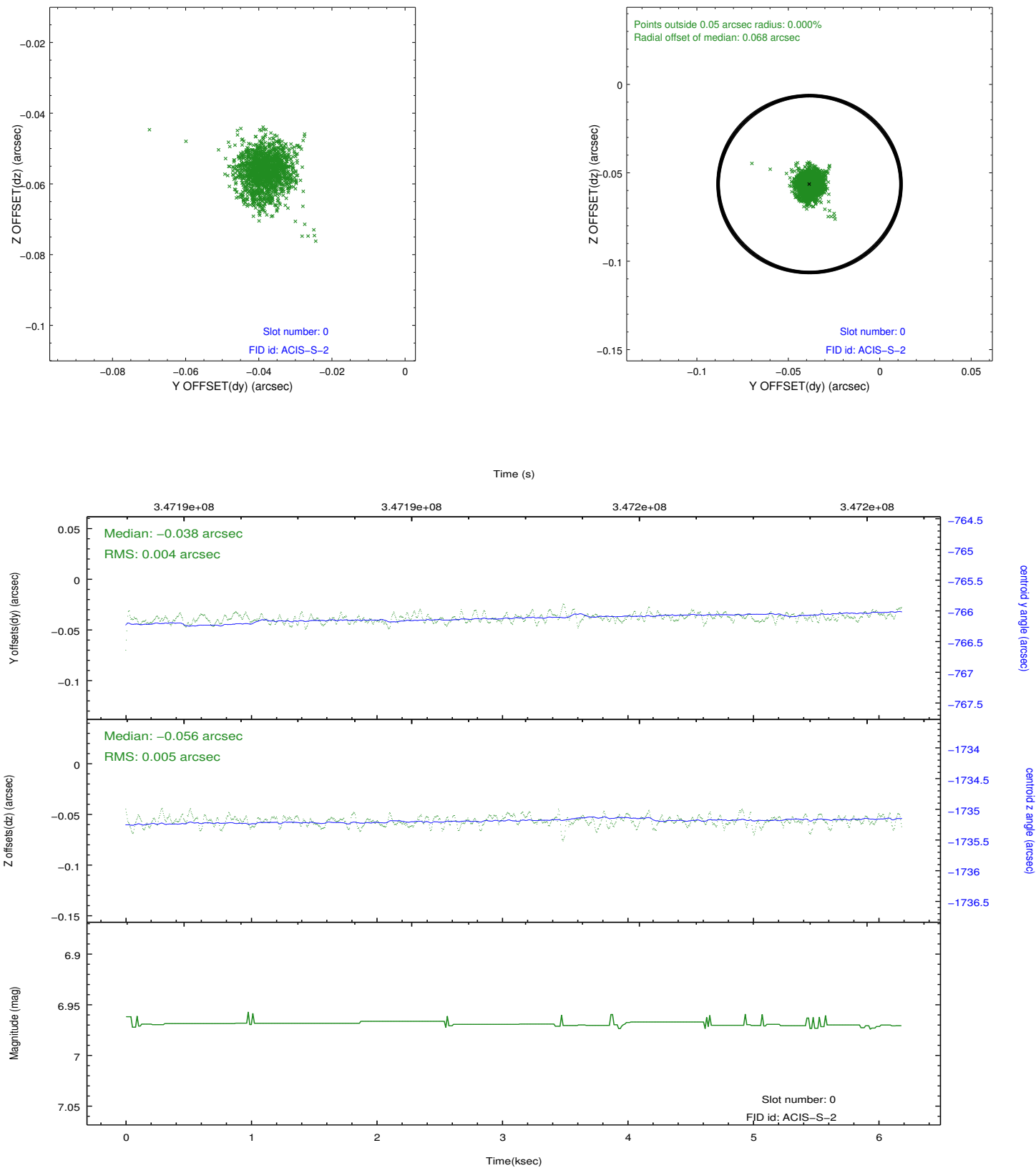


## 2.4.5 Slot 7

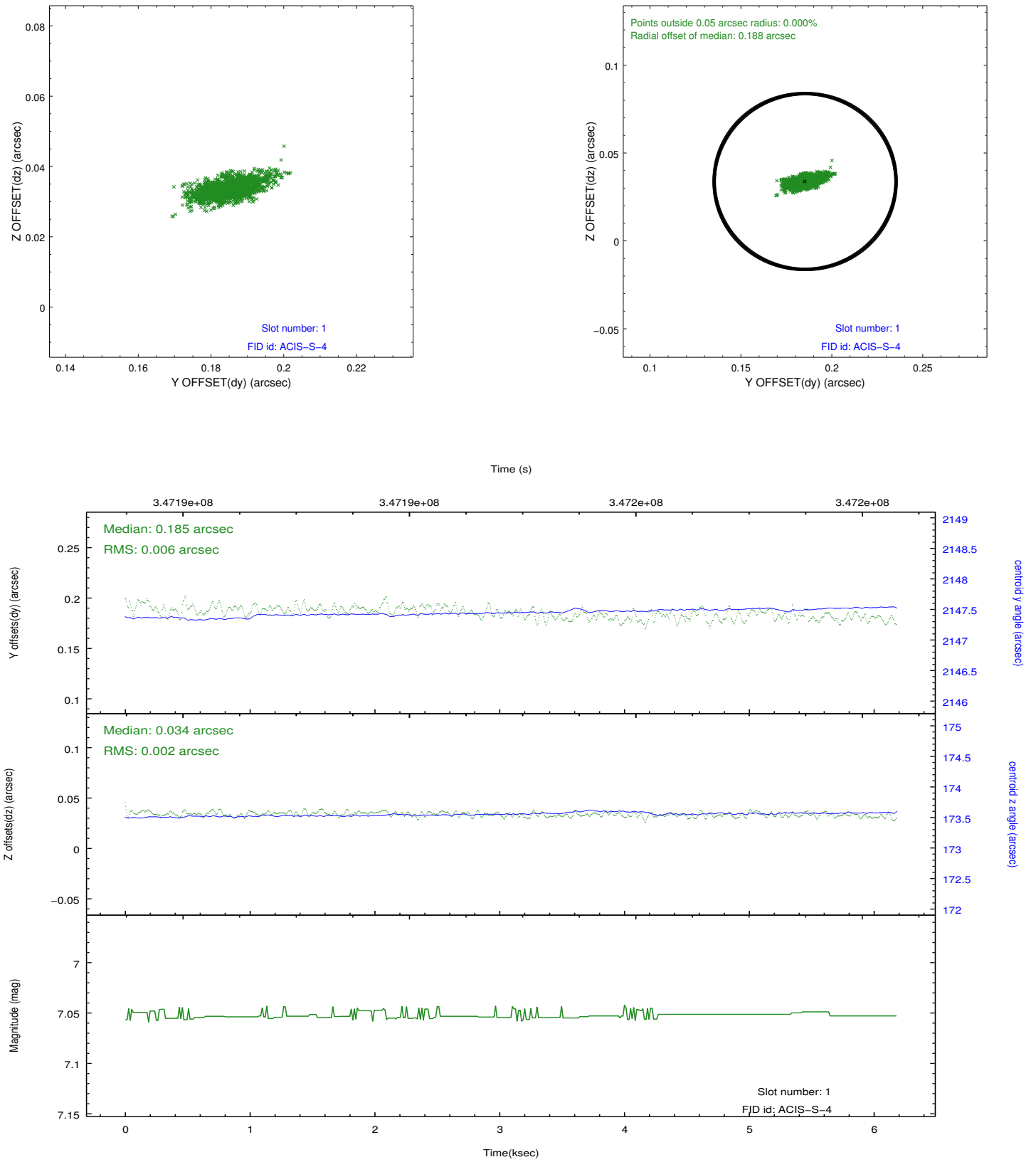


## 2.5 FID Slots

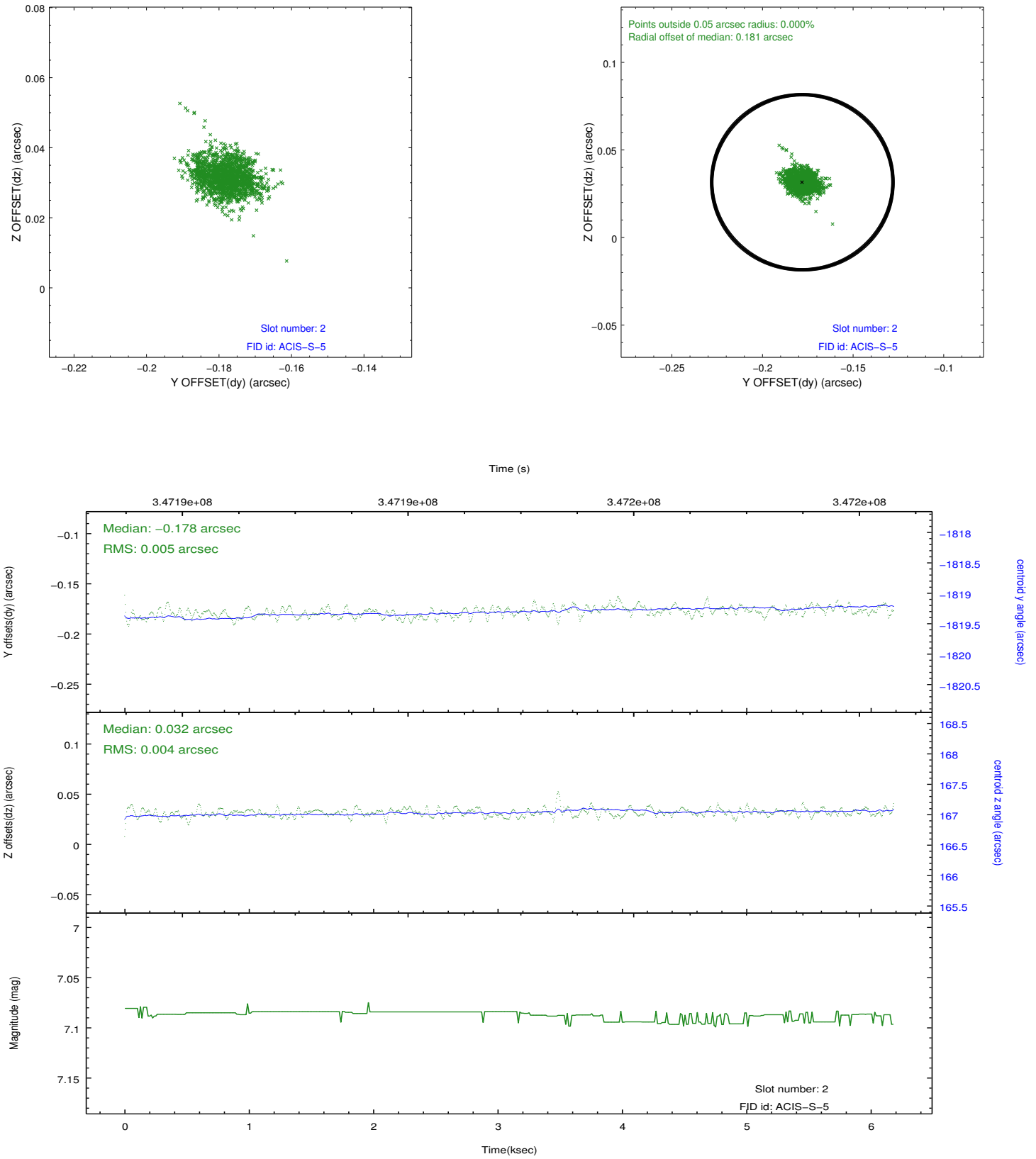
### 2.5.1 Slot 0



## 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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.17520004

### A.2 Comments