

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 13352 - L2 Version 2  
Chandra X-Ray Center

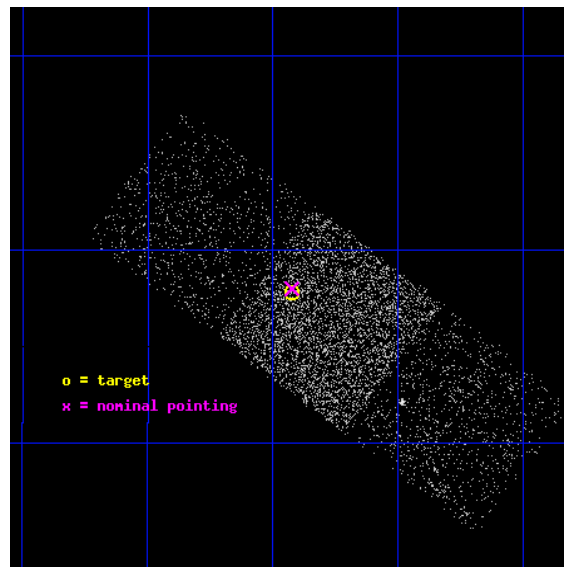
L2 Processing Date : Feb 25 2012

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# 1 Front

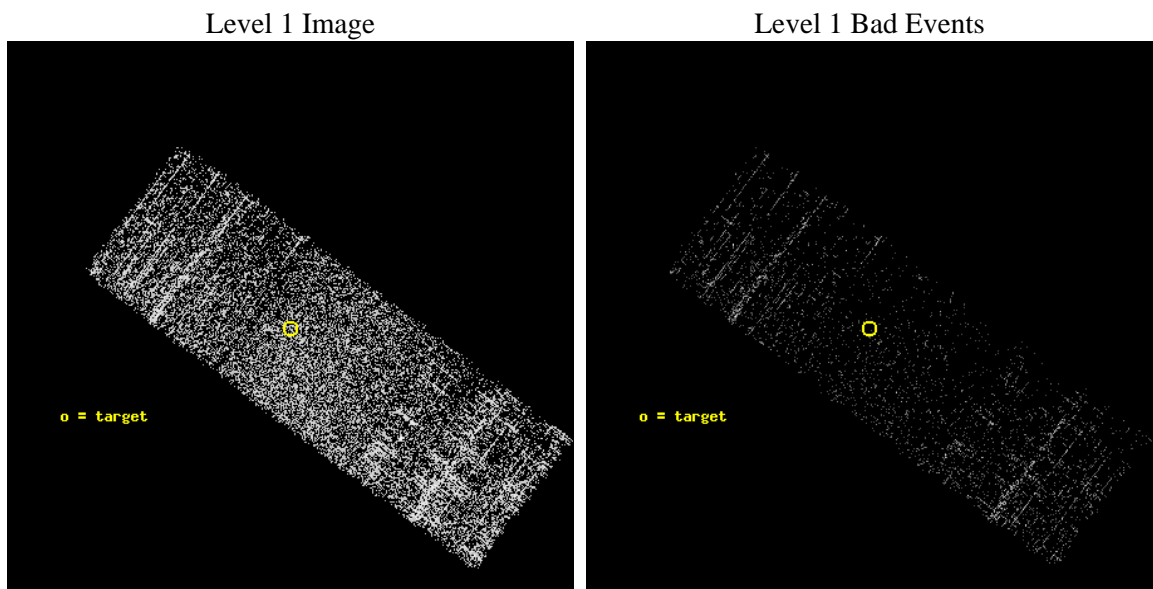
seq_num	702559	Sequence number
obs_id	13352	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1233+2907	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.48125	Observer's specified target RA [deg]
dec_targ	29.130278	Observer's specified target Dec [deg]
ra_nom	188.48122351507	Nominal RA [deg]
dec_nom	29.133107346895	Nominal Dec [deg]
roll_nom	37.021612914956	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1559.3000119925	Sum of GTIs [s]
livetime	1538.9266093958	Livetime [s]
ontime6	1556.1590516567	Sum of GTIs [s]
ontime7	1559.3000119925	Sum of GTIs [s]
ontime8	1559.3000119925	Sum of GTIs [s]
l2events	6362	Number of level 2 events



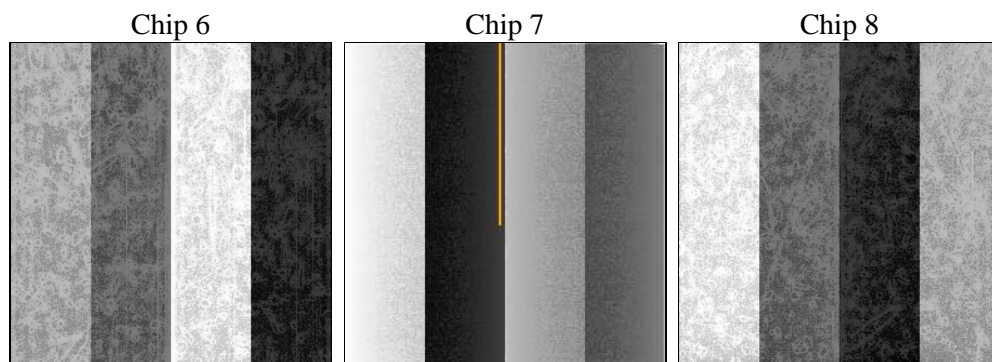
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1559.3000119925	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime6	1556.1590516567	Sum of GTIs [s]
date	2012-02-26T02:33:31	Date and time of file creation	ontime7	1559.3000119925	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1559.3000119925	Sum of GTIs [s]
			l1events	29477	Number of level 1 events

### 2.1.4 Events

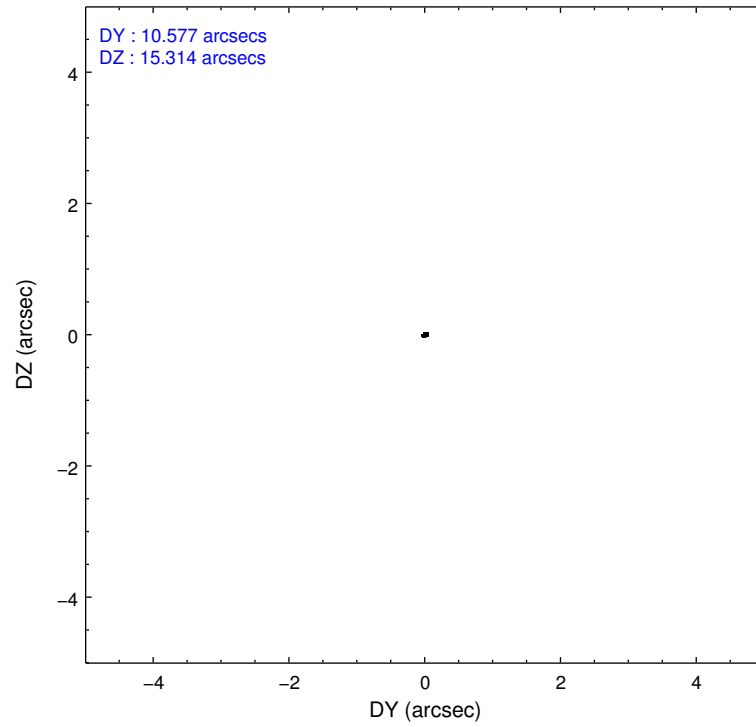
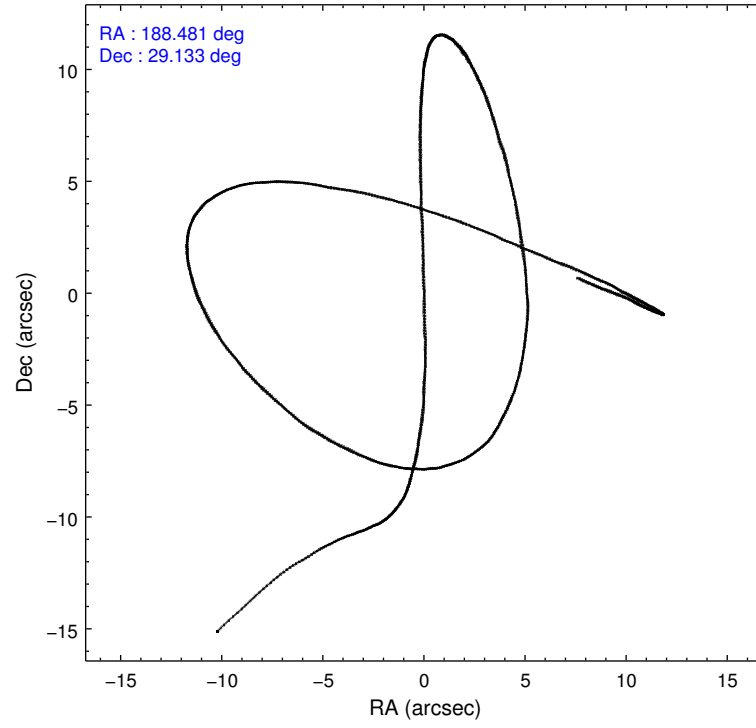
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	8590	9547	11340
rejected events	7571	5022	8298
rejected %	<b>88%</b>	<b>52%</b>	<b>73%</b>

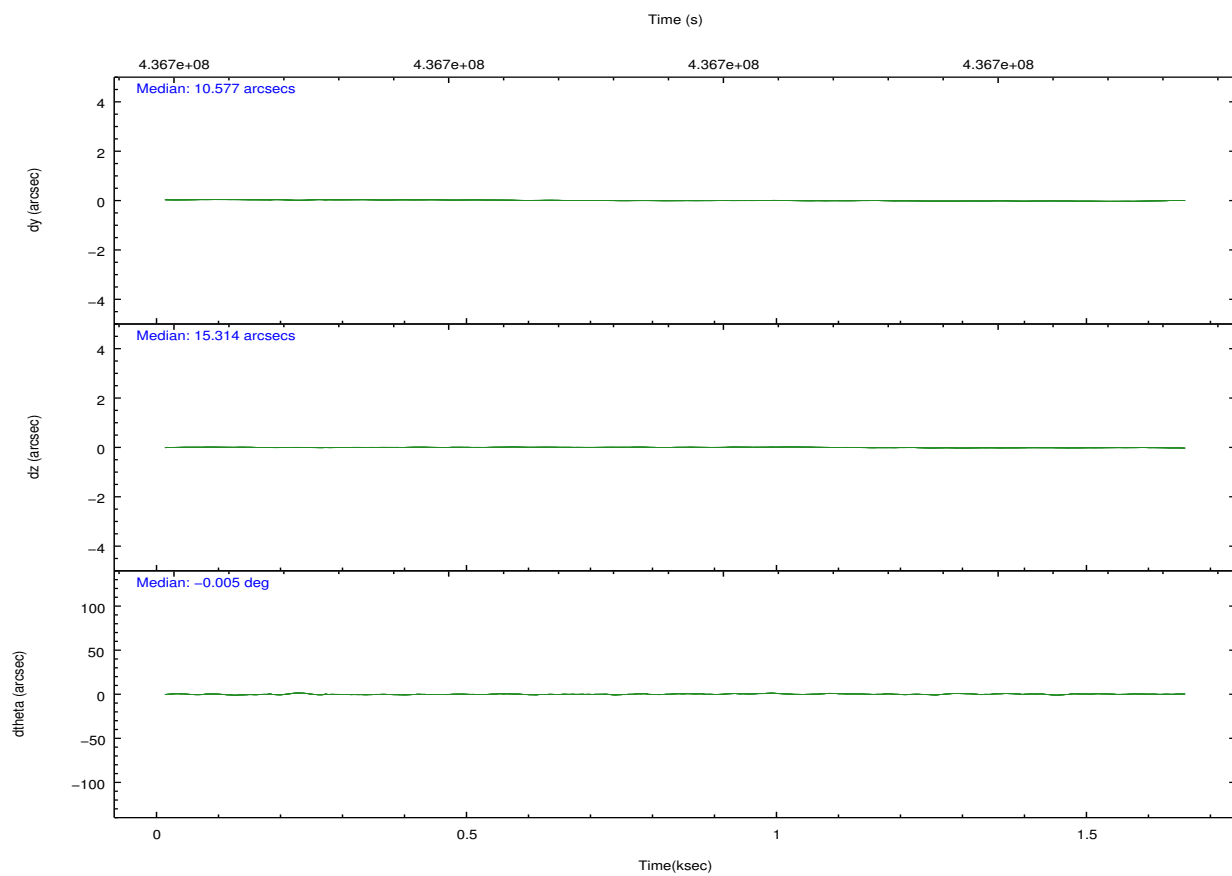
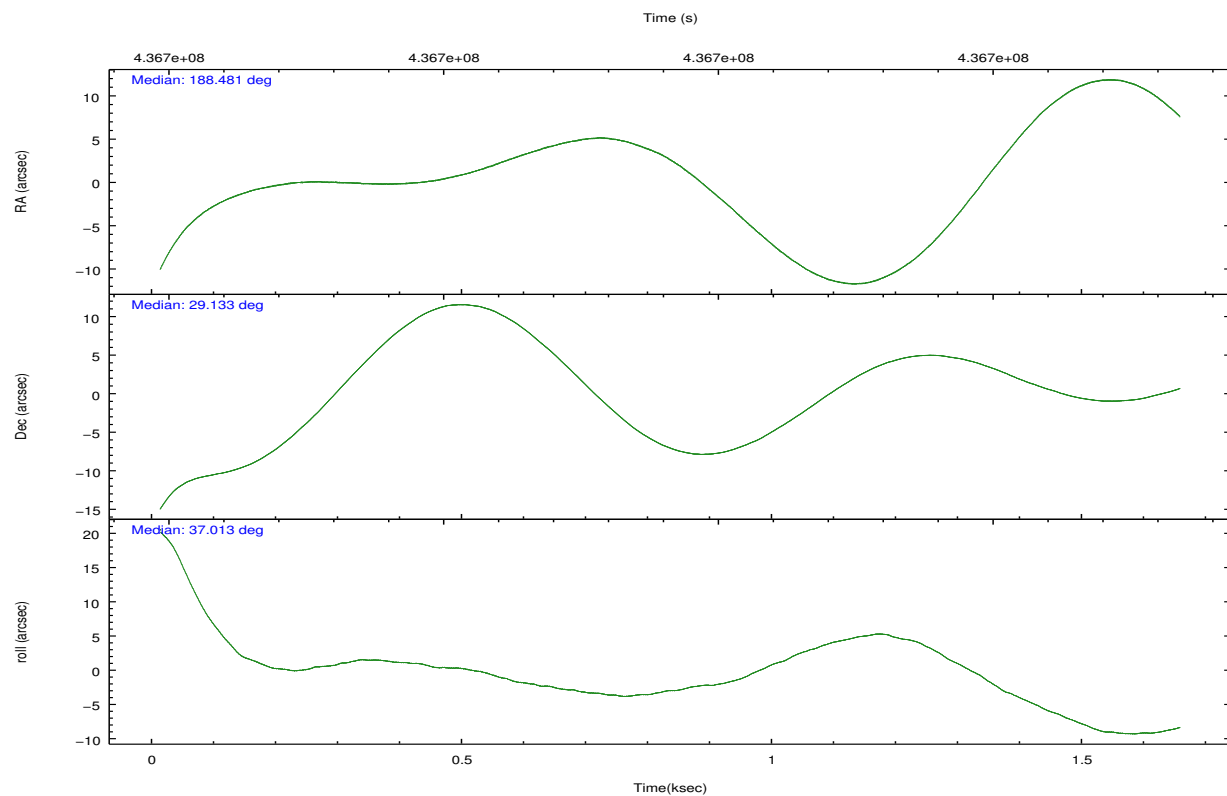
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	350	467	855
	4%	4%	7%
grade 1 events	5	14	11
	0%	0%	0%
grade 2 events	234	963	790
	2%	10%	6%
grade 3 events	121	412	329
	1%	4%	2%
grade 4 events	109	412	274
	1%	4%	2%
grade 5 events	379	1061	512
	4%	11%	4%
grade 6 events	210	2277	795
	2%	23%	7%
grade 7 events	7182	3941	7774
	83%	41%	68%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	188.469148	188.4812235150736	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.107981	29.13310734689536	Alternating exposures requested	N	N
[deg] Pointing Roll	36.870770	37.02161291495596	[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)	436698239.184000	436696699.34115			
Observation start date	2011-11-03T09:02:53	2011-11-03T08:38:19			
[s] Observation end time (MET)	436699739.184000	436700775.25387			
Observation end date	2011-11-03T09:27:53	2011-11-03T09:46:15			
Read mode	TIMED	TIMED			

## 2.3 Aspect





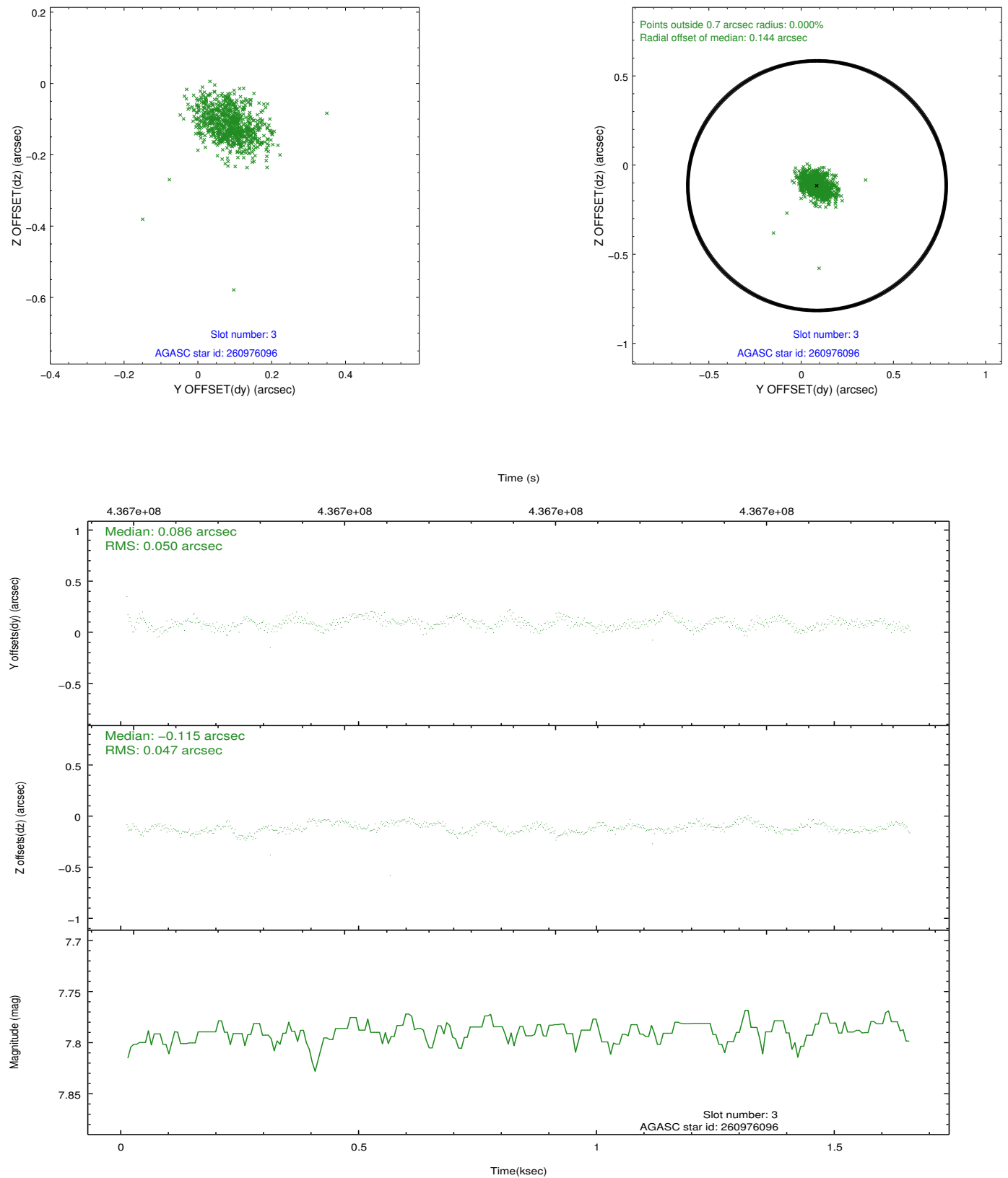
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	402	0.073	-0.072	0.006	0.013	0.000000	0.000000	932.68	-1732.30
1	FID	ACIS-S-5	7.00	402	-0.159	0.034	0.006	0.009	0.000000	0.000000	-1814.31	161.22
2	FID	ACIS-S-6	7.10	402	0.064	0.050	0.006	0.013	0.000000	0.000000	393.88	809.72
3	GUIDE	260976096	7.79	804	0.086	-0.115	0.069	0.115	187.960643	29.314141	-829.79	1555.12
4	GUIDE	261097480	8.18	804	0.066	0.160	0.061	0.096	188.866651	28.837468	419.27	-1527.25
5	GUIDE	261100800	9.73	803	-0.219	-0.342	0.123	0.185	188.606879	29.774591	1784.57	1660.98
6	GUIDE	261104288	8.00	804	0.095	0.088	0.070	0.113	188.700789	29.087433	541.51	-492.48
7	GUIDE	261105480	9.36	798	-0.034	0.206	0.125	0.199	188.978850	28.694918	398.48	-2151.56

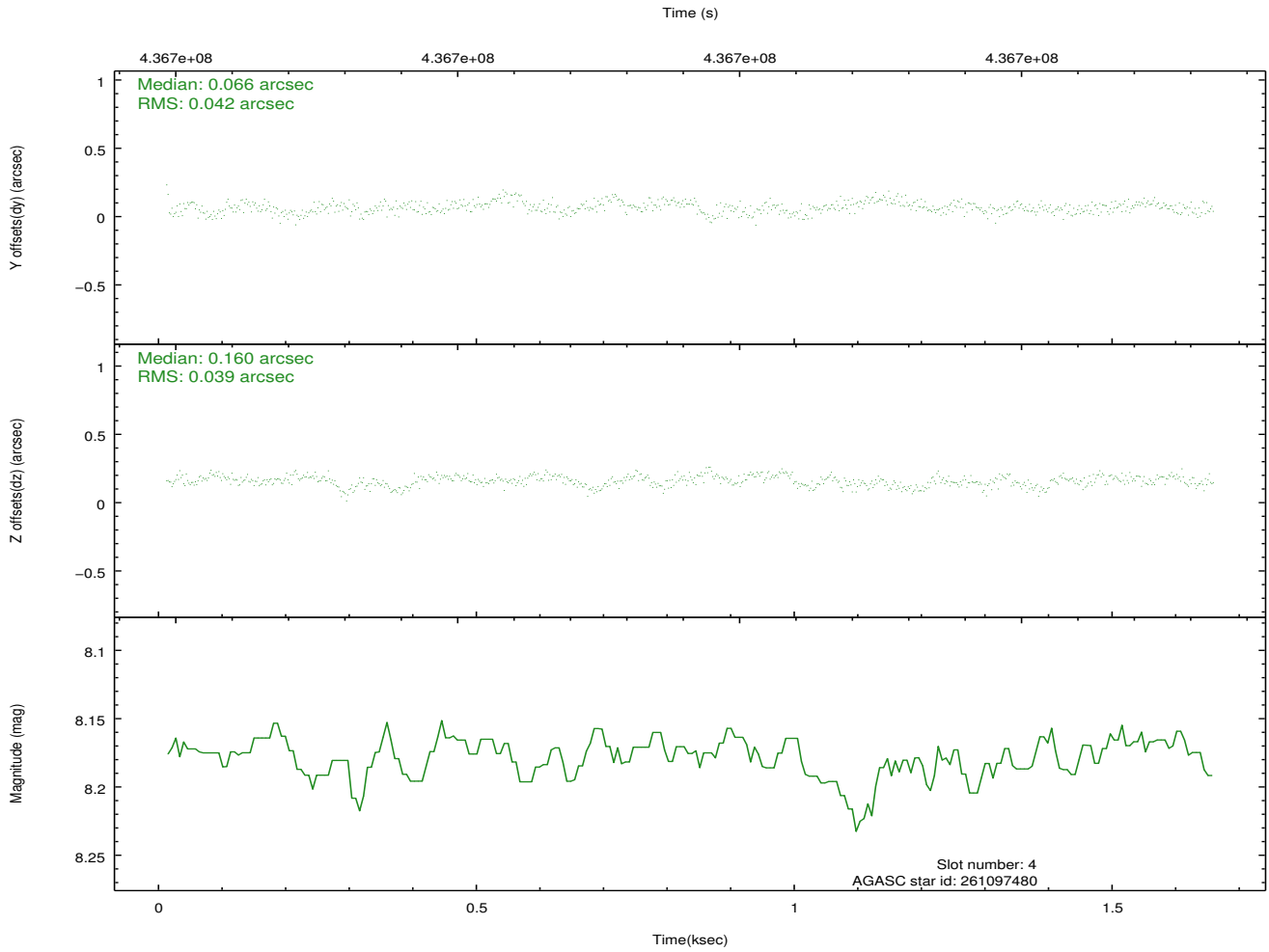
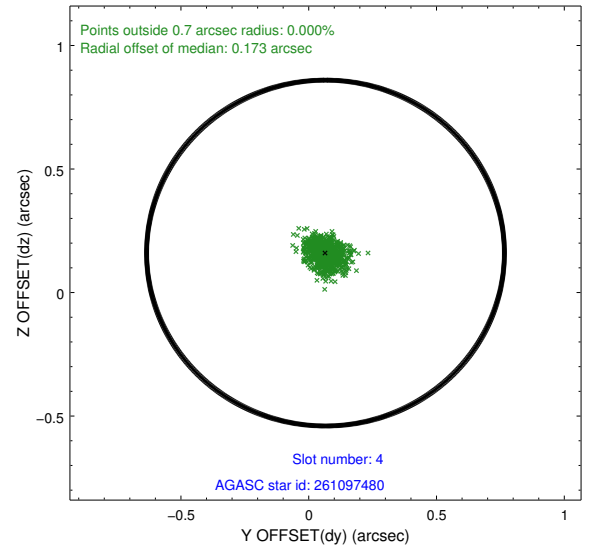
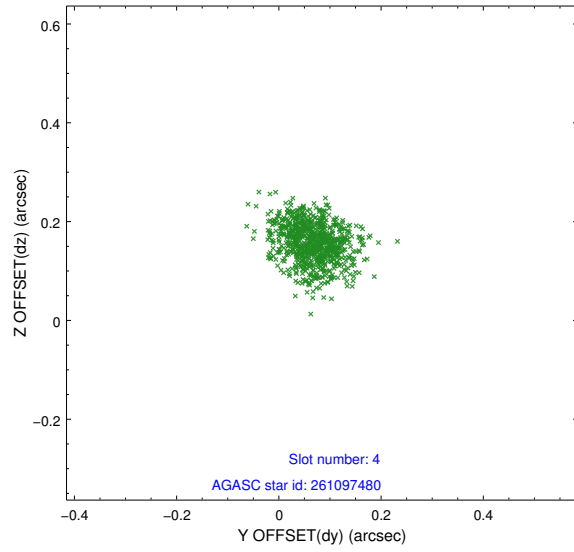


## 2.4 Star Slots

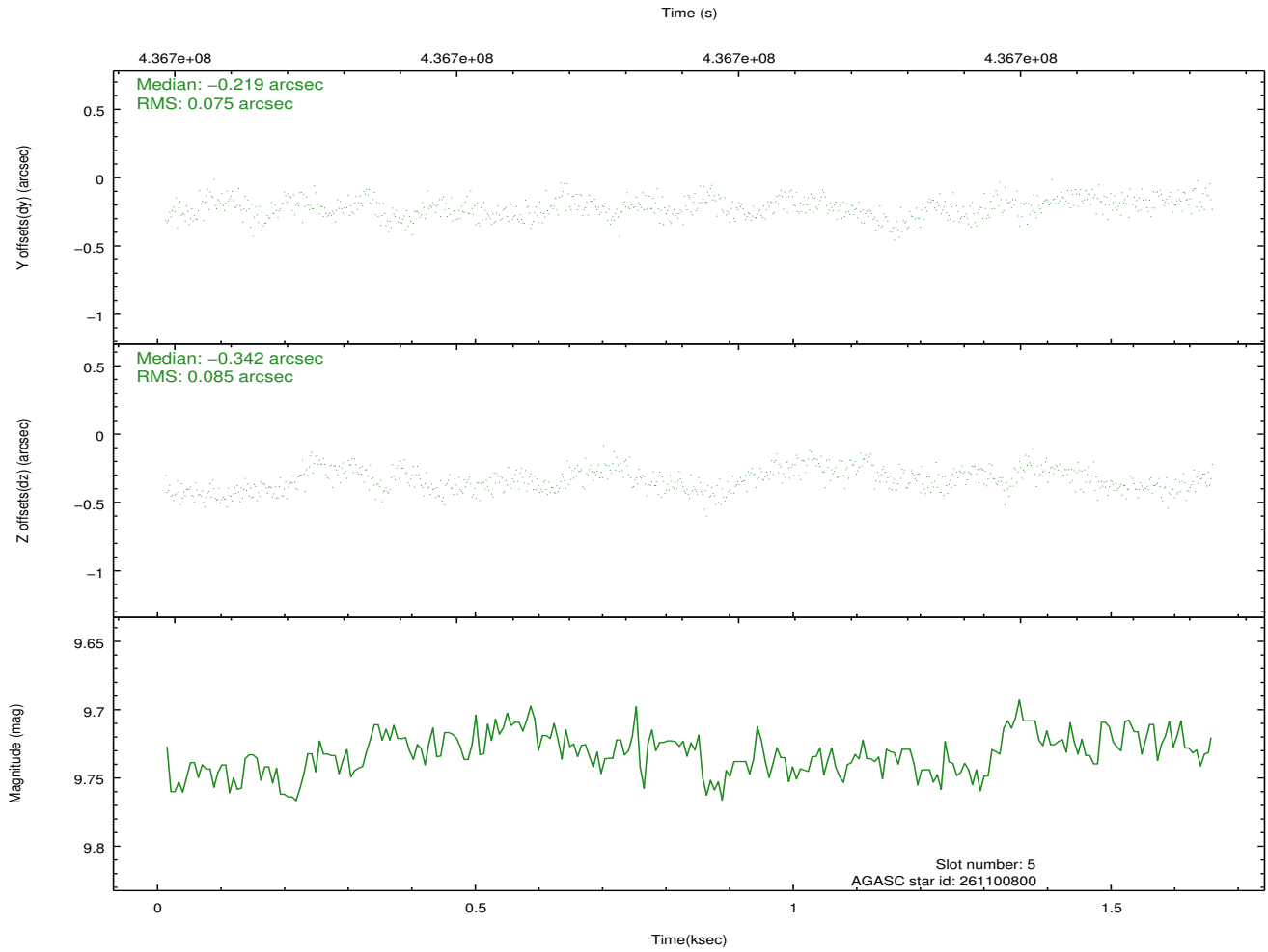
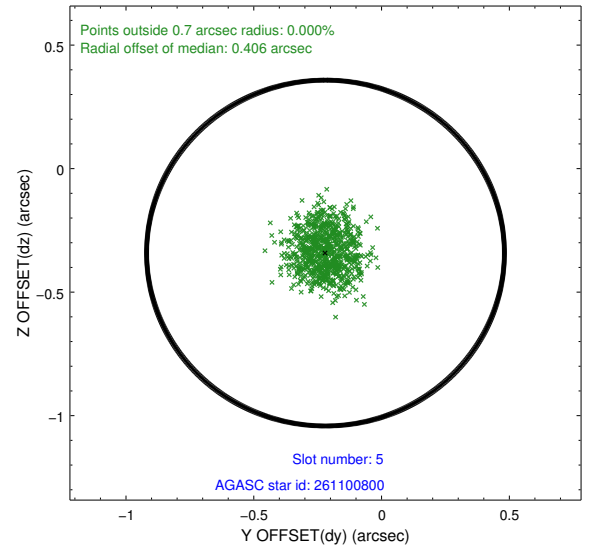
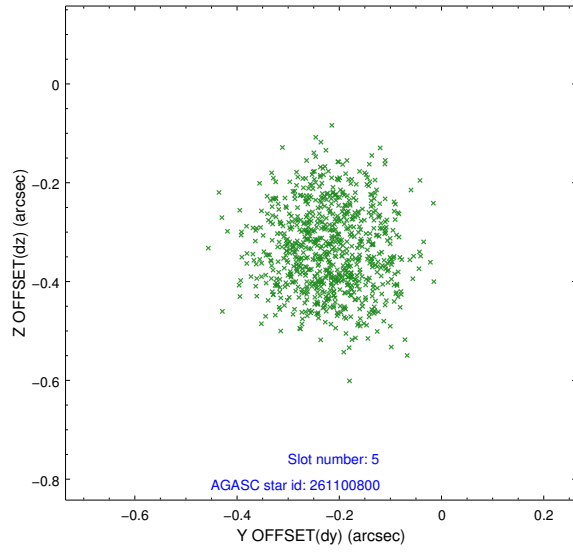
### 2.4.1 Slot 3



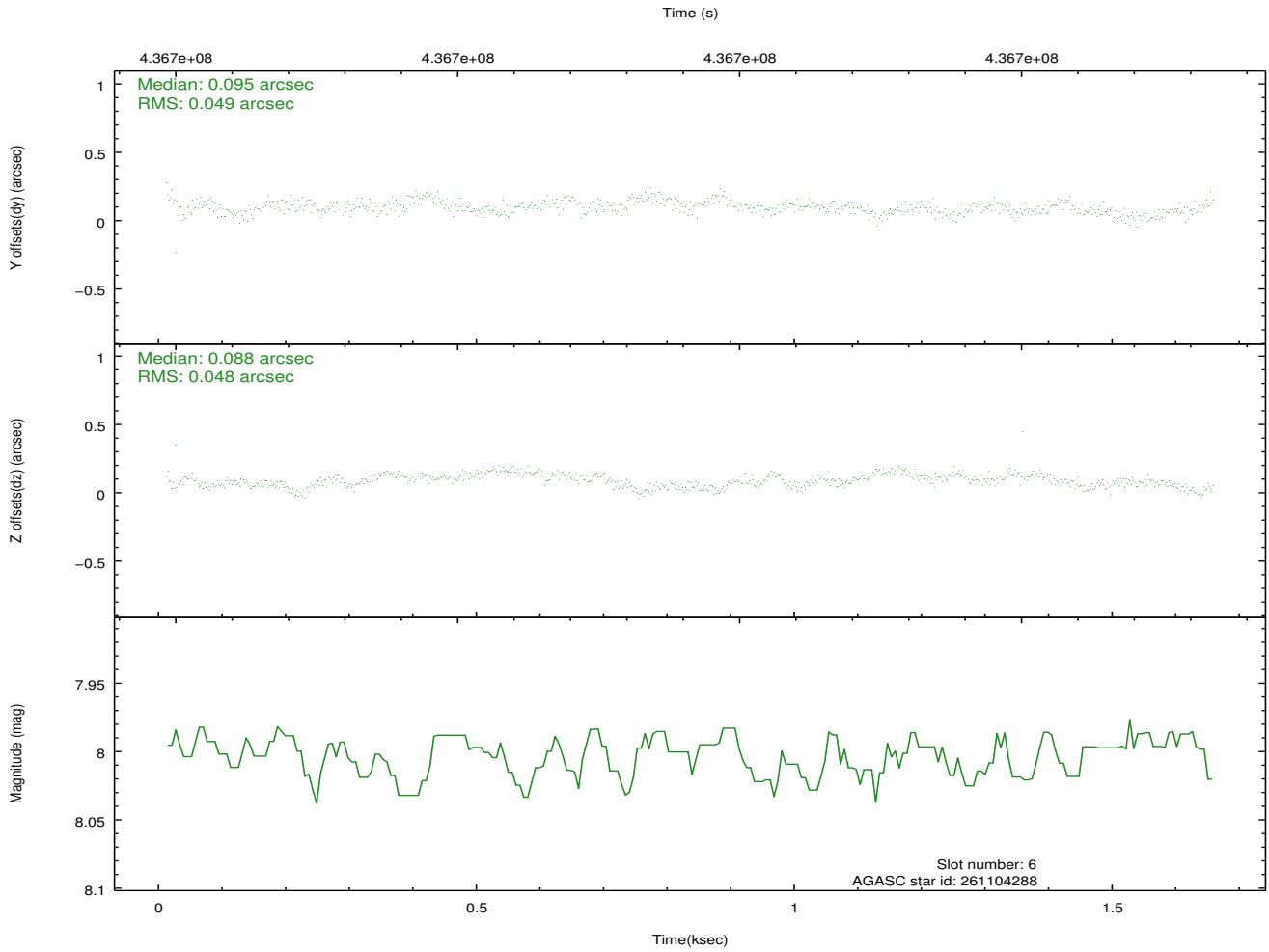
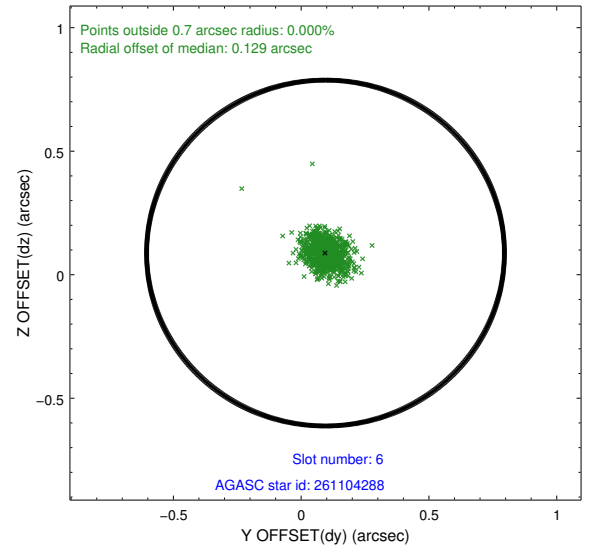
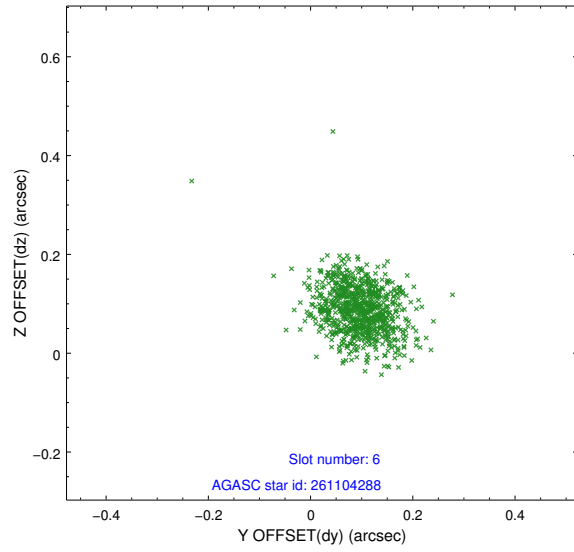
## 2.4.2 Slot 4



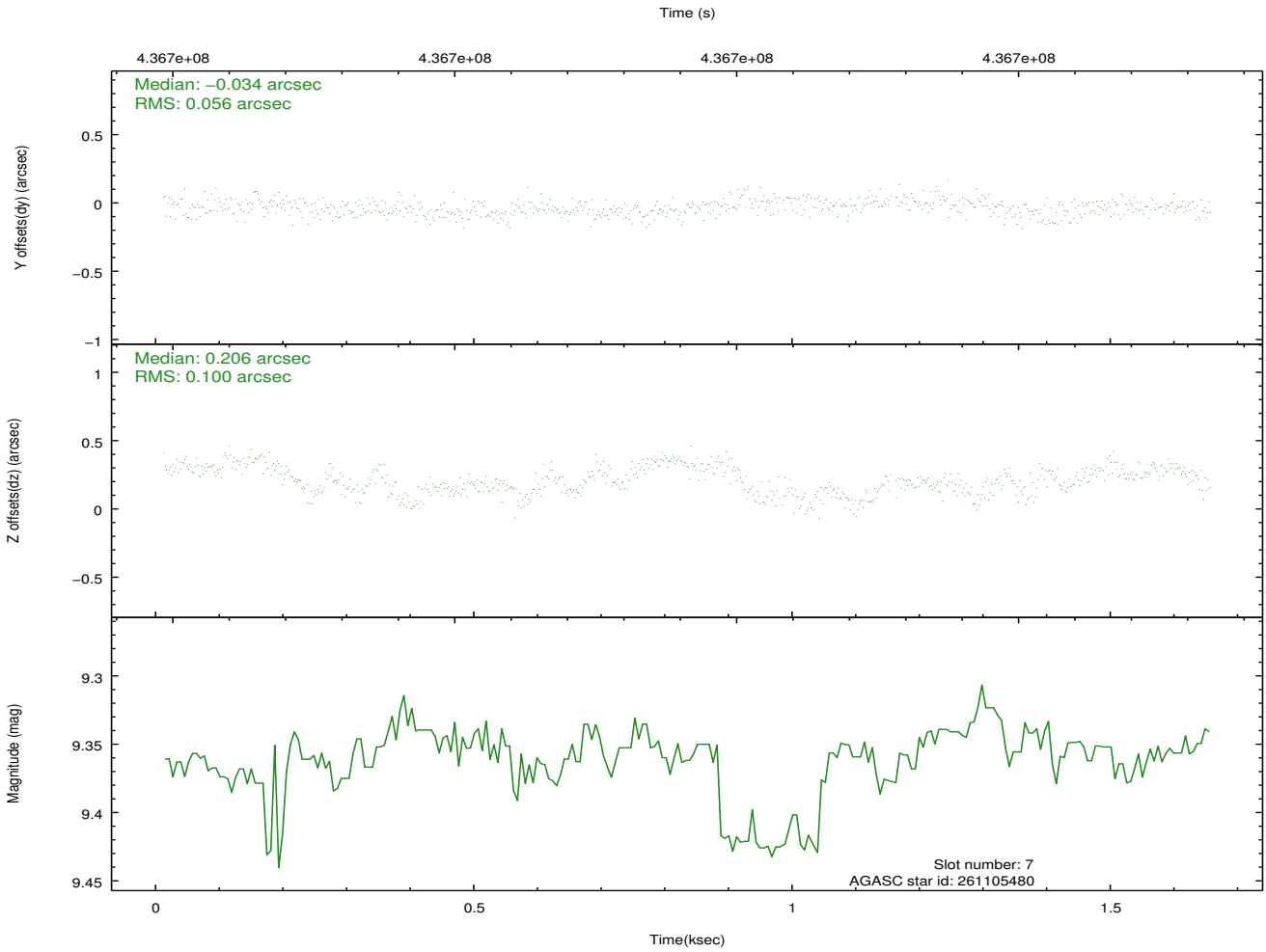
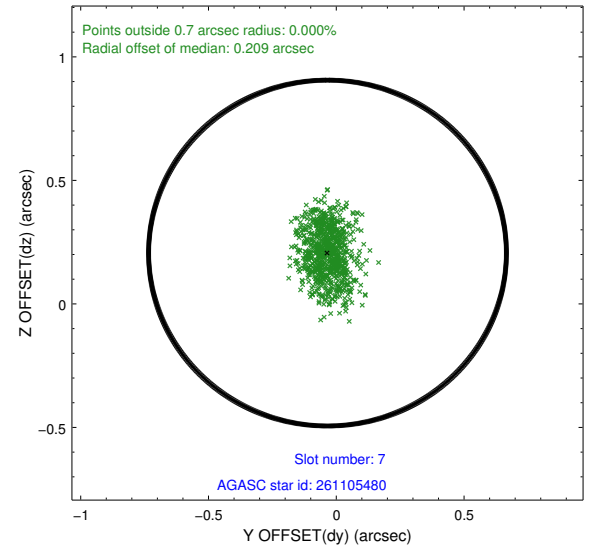
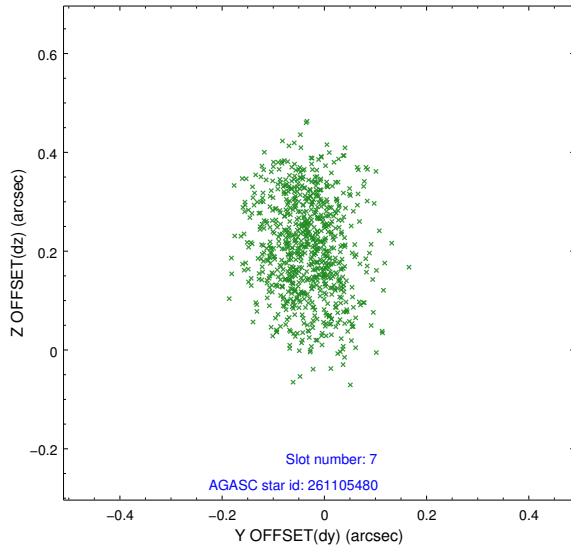
### 2.4.3 Slot 5



## 2.4.4 Slot 6

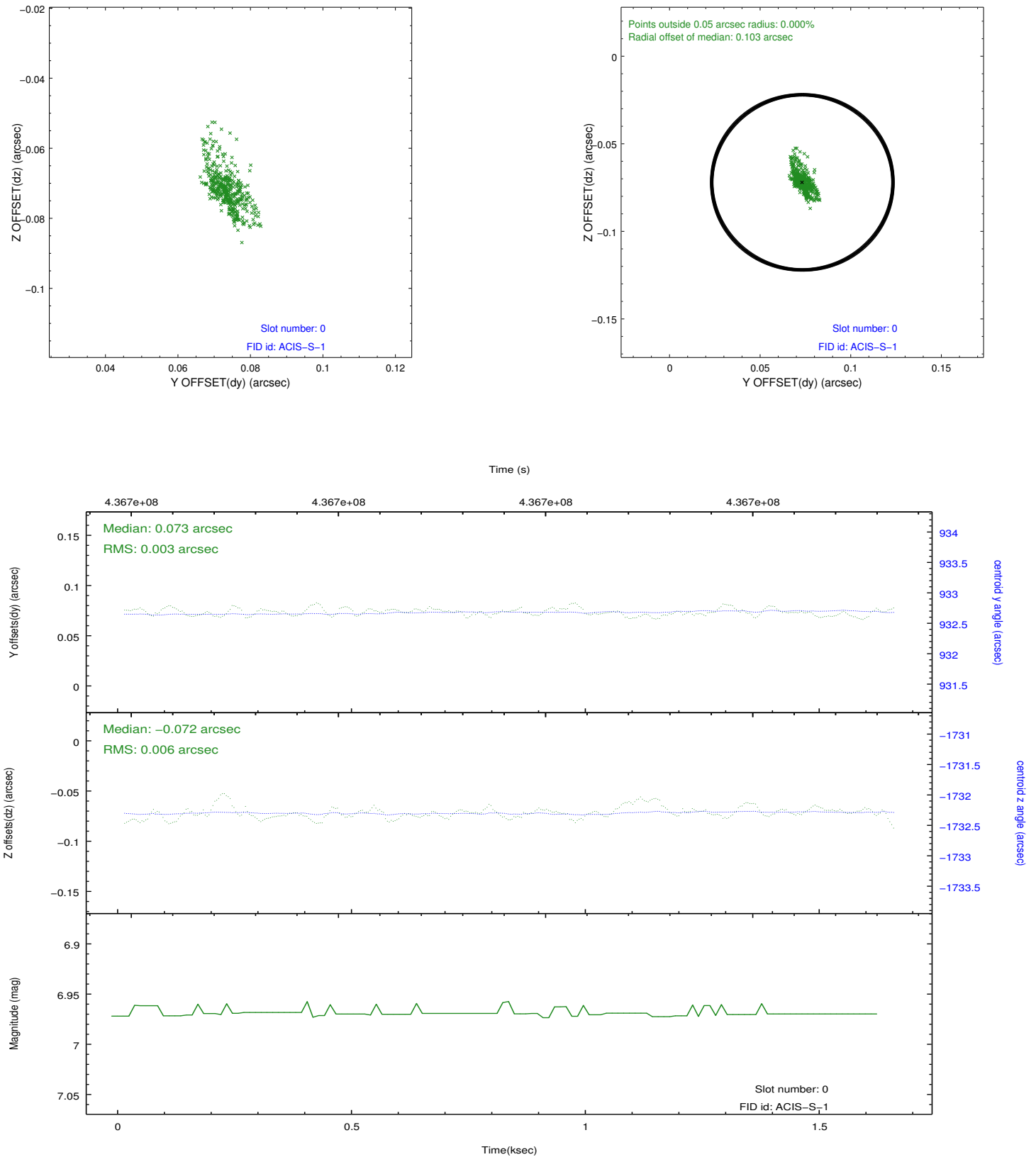


## 2.4.5 Slot 7

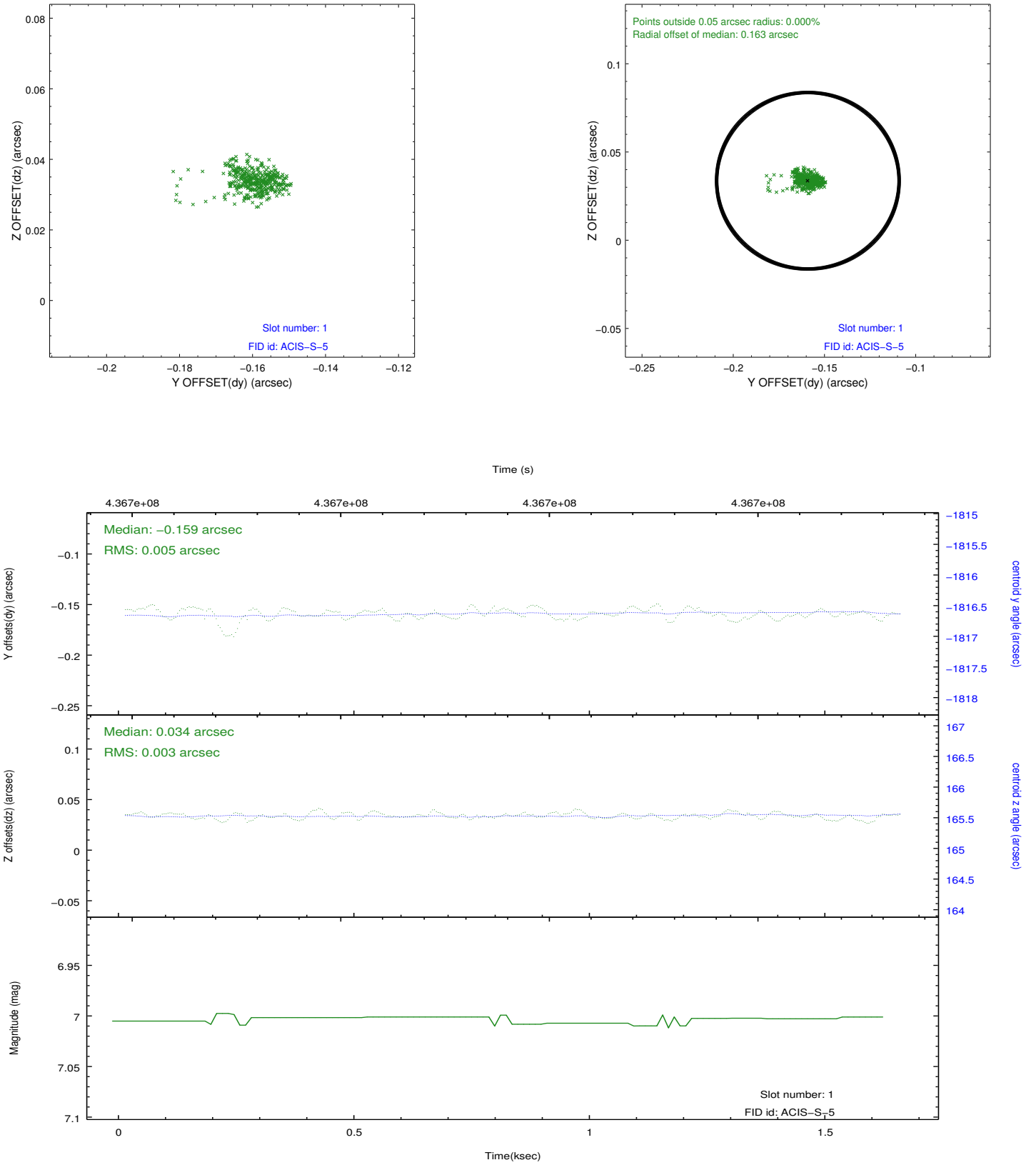


## 2.5 FID Slots

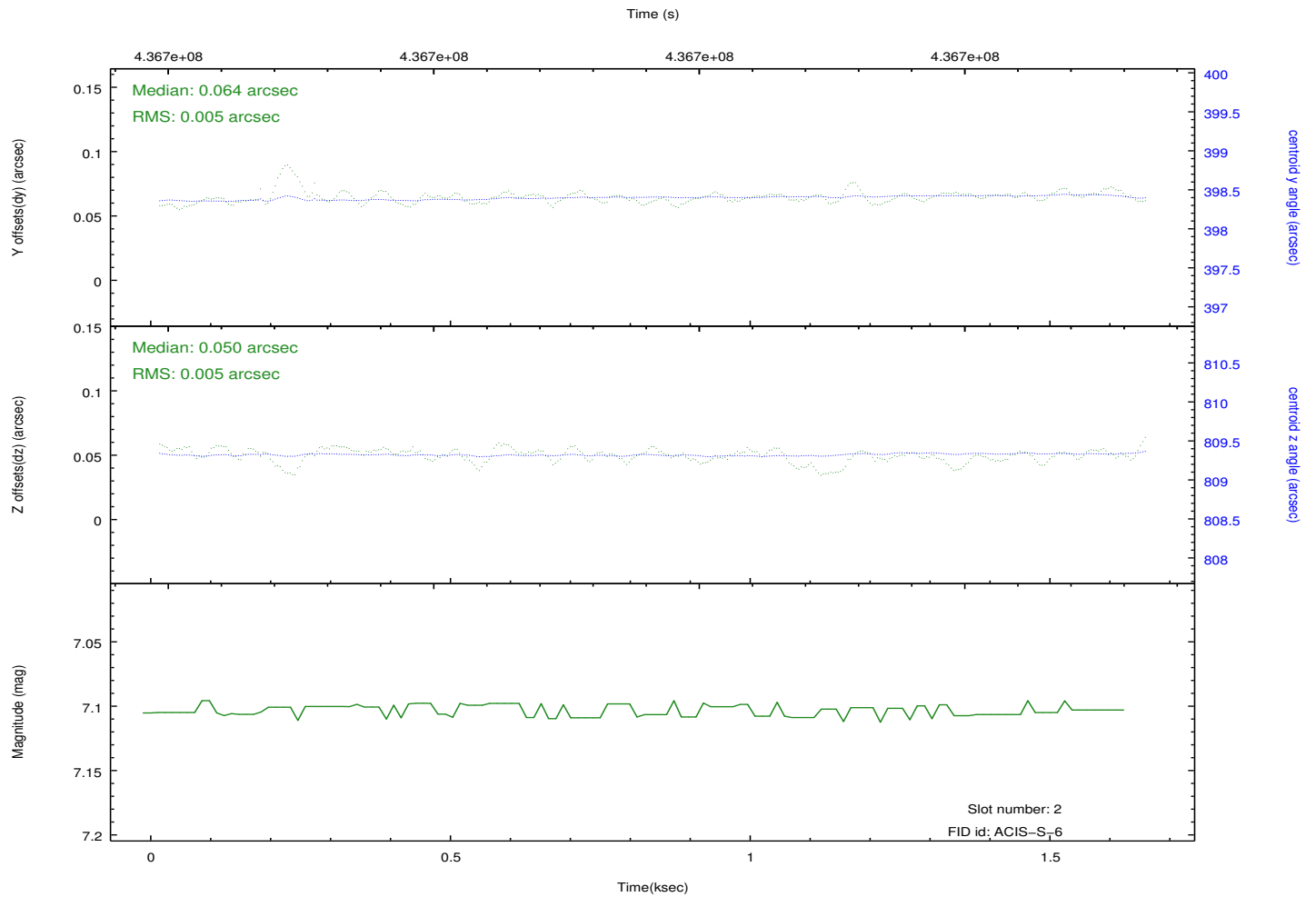
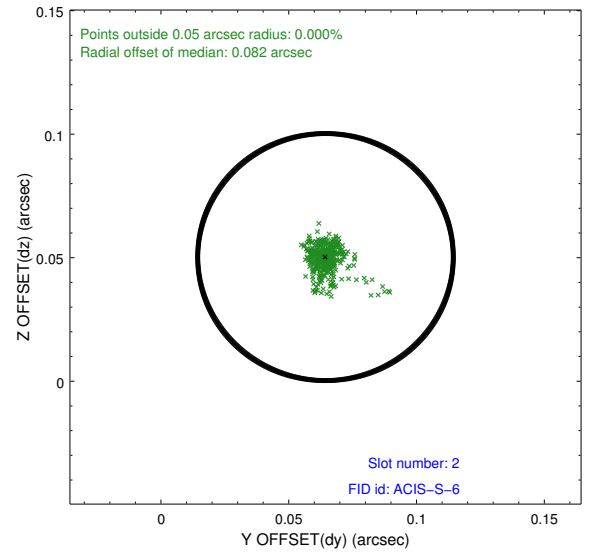
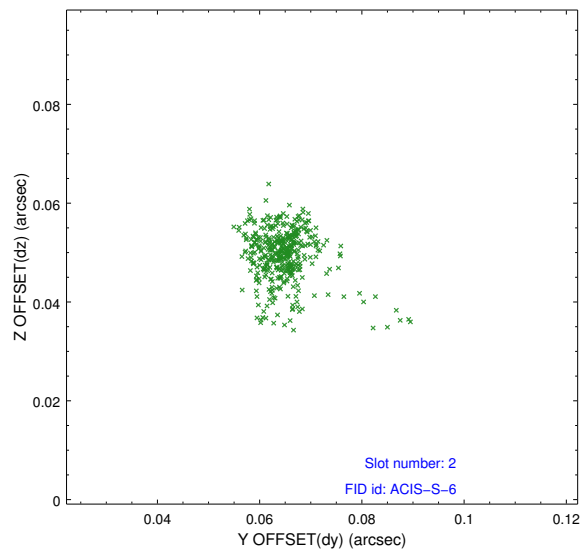
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5593000119925

### A.2 Comments