

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11461 - L2 Version 2  
Chandra X-Ray Center

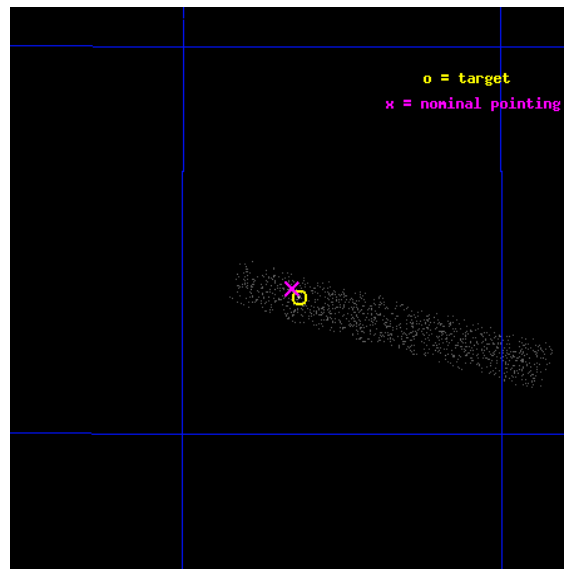
L2 Processing Date : Jul 4 2012

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# 1 Front

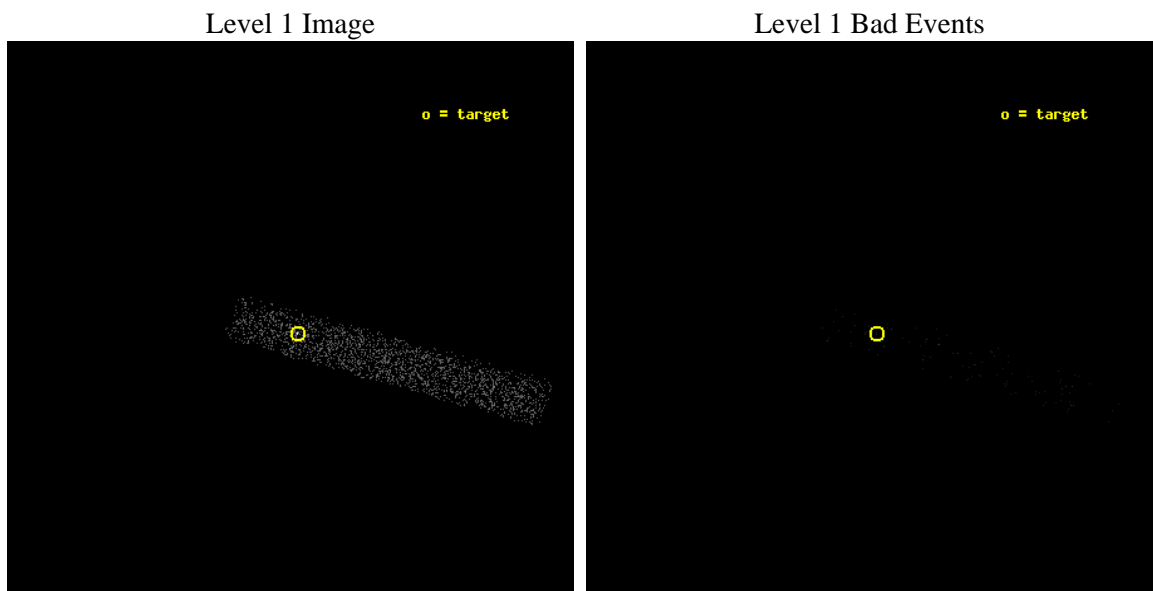
seq_num	702047	Sequence number
obs_id	11461	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J115138.10+561331.9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	177.90875	Observer's specified target RA [deg]
dec_targ	56.225528	Observer's specified target Dec [deg]
ra_nom	177.91433363564	Nominal RA [deg]
dec_nom	56.229109401113	Nominal Dec [deg]
roll_nom	15.292344145762	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2008.39988029	Sum of GTIs [s]
livetime	1821.5126793851	Livetime [s]
ontime7	2008.39988029	Sum of GTIs [s]
l2events	1538	Number of level 2 events



## 2 OBI

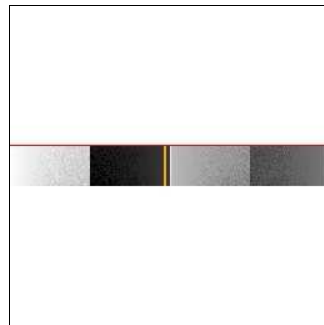
### 2.1 OBI

#### 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	2008.39988029	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime7	2008.39988029	Sum of GTIs [s]
date	2012-07-04T15:21:20	Date and time of file creation	l1events	2734	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

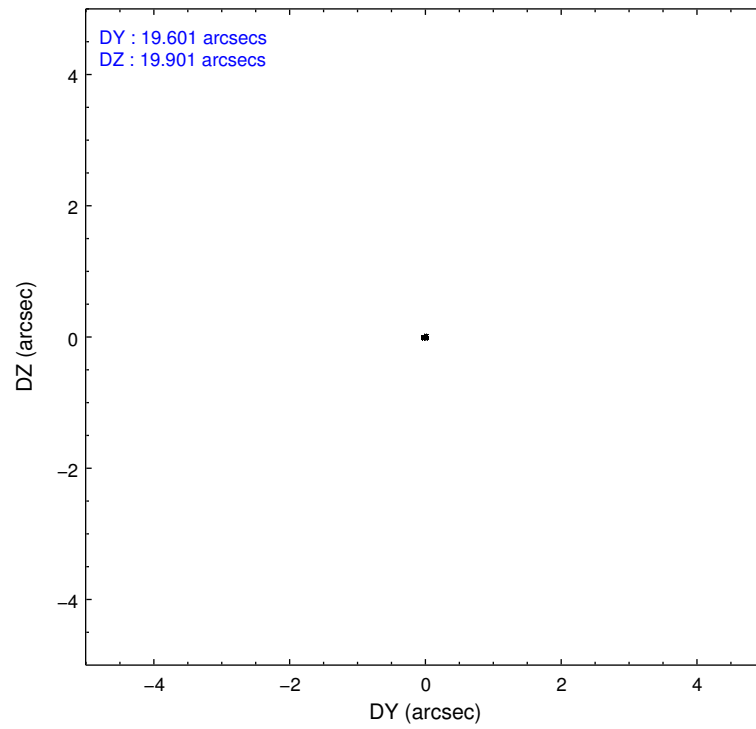
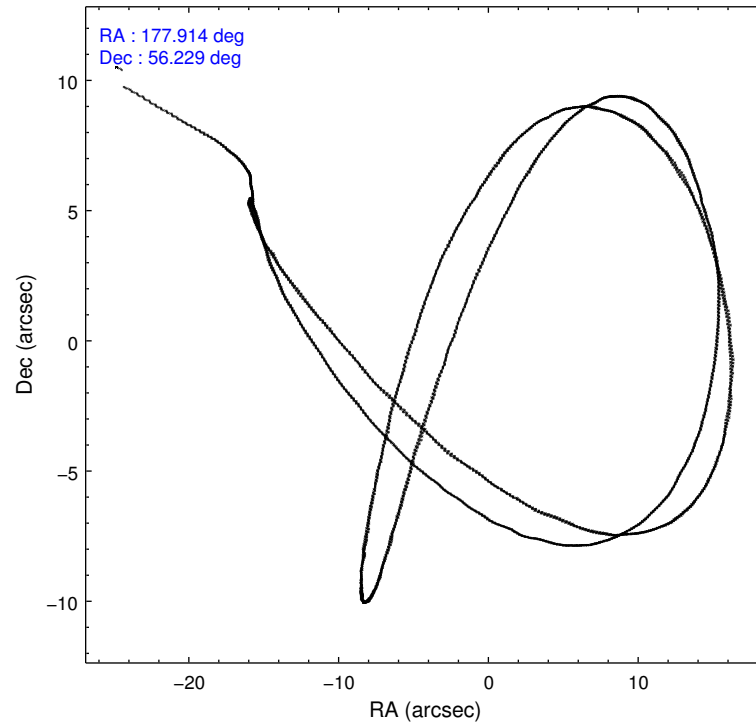
	<b>ccd 7</b>
level 1 events	2734
rejected events	1131
rejected %	41%

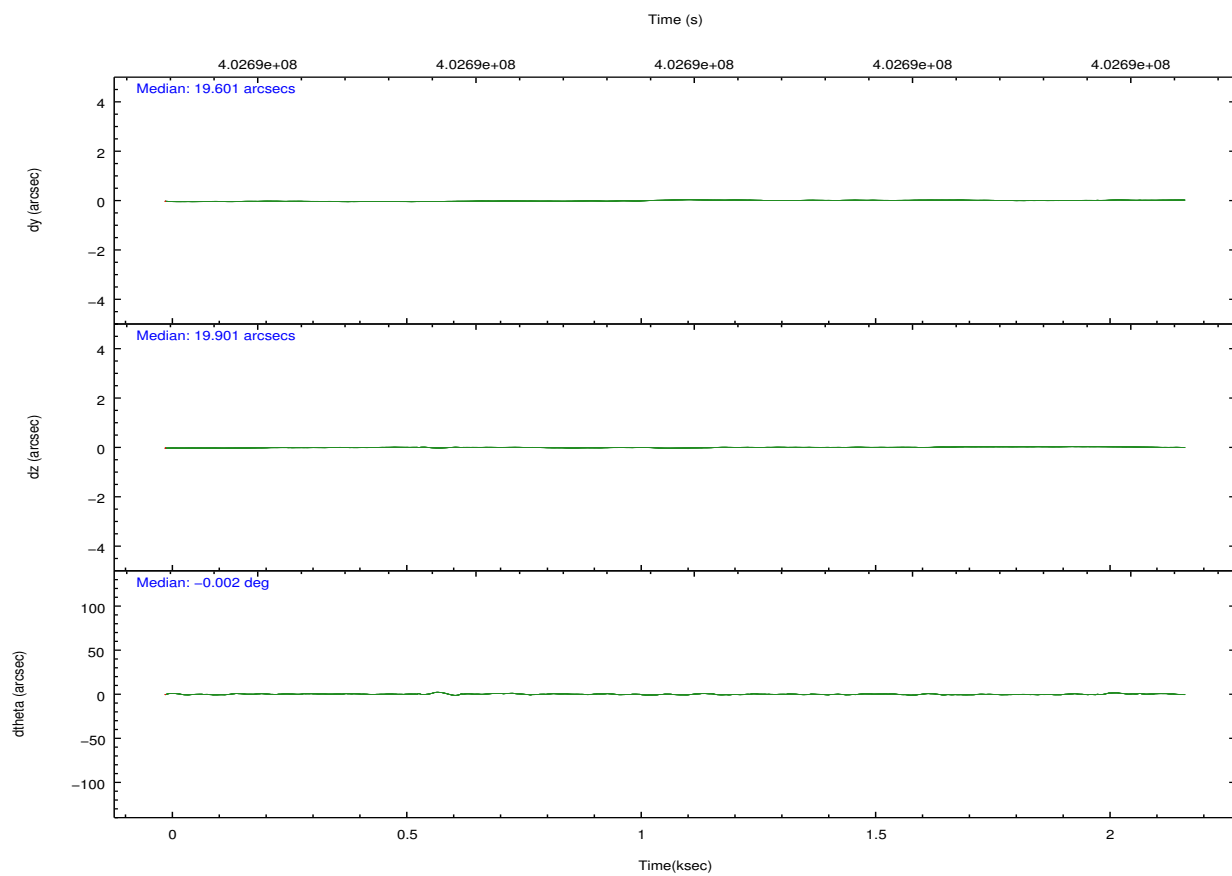
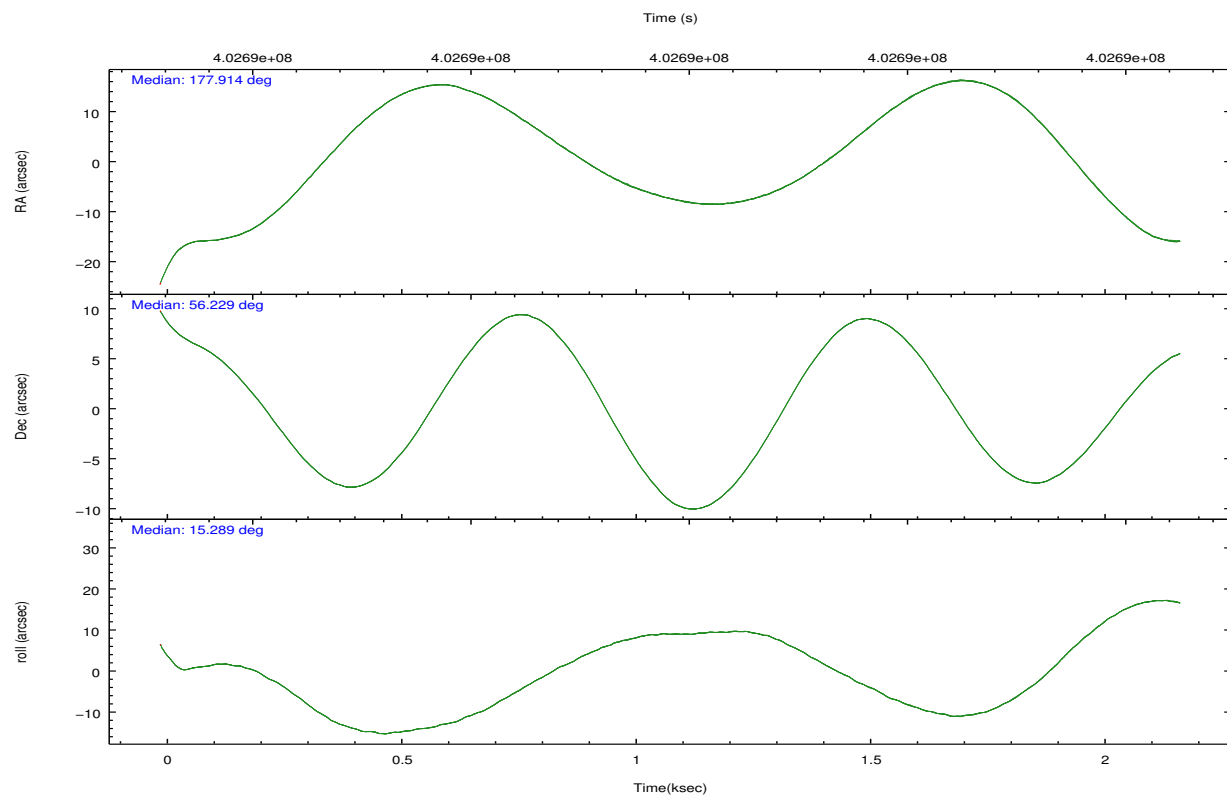
	<b>ccd 7</b>
grade 0 events	293
	10%
grade 1 events	2
	0%
grade 2 events	350
	12%
grade 3 events	191
	6%
grade 4 events	189
	6%
grade 5 events	219
	8%
grade 6 events	582
	21%
grade 7 events	908
	33%

## 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	177.880598	177.9143336356439	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	56.209382	56.22910940111251	Subarray start row	449	449
[deg] Pointing Roll	15.163795	15.29234414576245	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	402692545.184000	402691651.78434			
Observation start date	2010-10-05T19:01:19	2010-10-05T18:47:31			
[s] Observation end time (MET)	402694545.184000	402694924.097			
Observation end date	2010-10-05T19:34:39	2010-10-05T19:42:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect





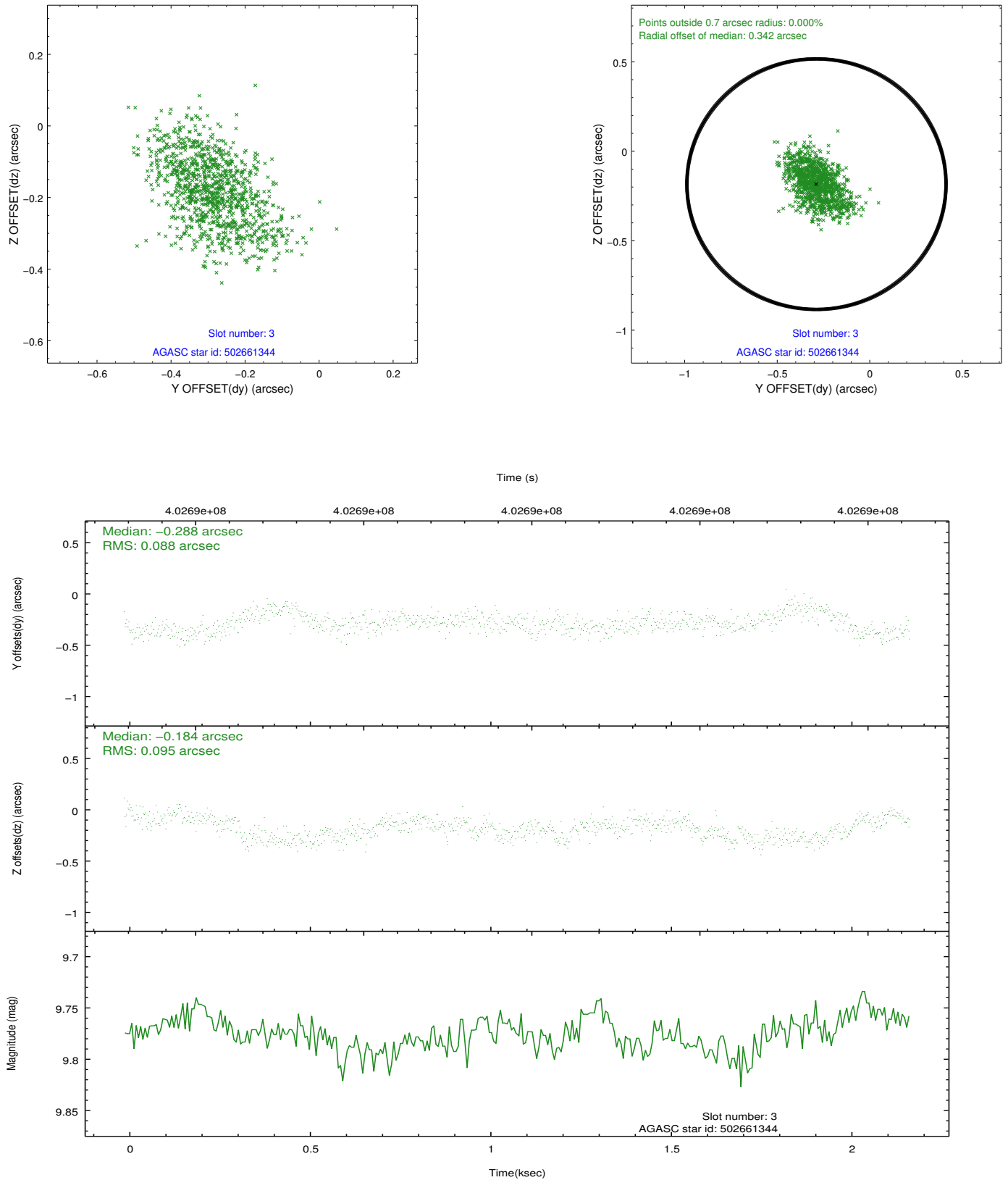
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	531	-0.130	-0.078	0.006	0.013	0.000000	0.000000	-772.88	-1741.36
1	FID	ACIS-S-4	6.96	531	0.142	0.074	0.006	0.010	0.000000	0.000000	2139.35	164.06
2	FID	ACIS-S-6	7.11	531	-0.039	0.012	0.007	0.012	0.000000	0.000000	393.11	804.86
3	GUIDE	502661344	9.78	1059	-0.288	-0.184	0.140	0.225	176.994635	56.171799	-1745.44	344.67
4	GUIDE	502661768	7.71	1061	0.285	0.558	0.069	0.112	177.146660	55.540024	-2071.53	-1926.26
5	GUIDE	502794304	9.87	1055	0.193	0.002	0.158	0.292	177.861749	55.580199	-630.18	-2177.91
6	GUIDE	502796064	9.70	1061	-0.041	-0.011	0.142	0.239	178.783977	55.701683	1294.35	-2233.75
7	GUIDE	502799528	9.14	1053	-0.156	-0.384	0.127	0.194	178.169536	56.782159	1091.47	1839.96

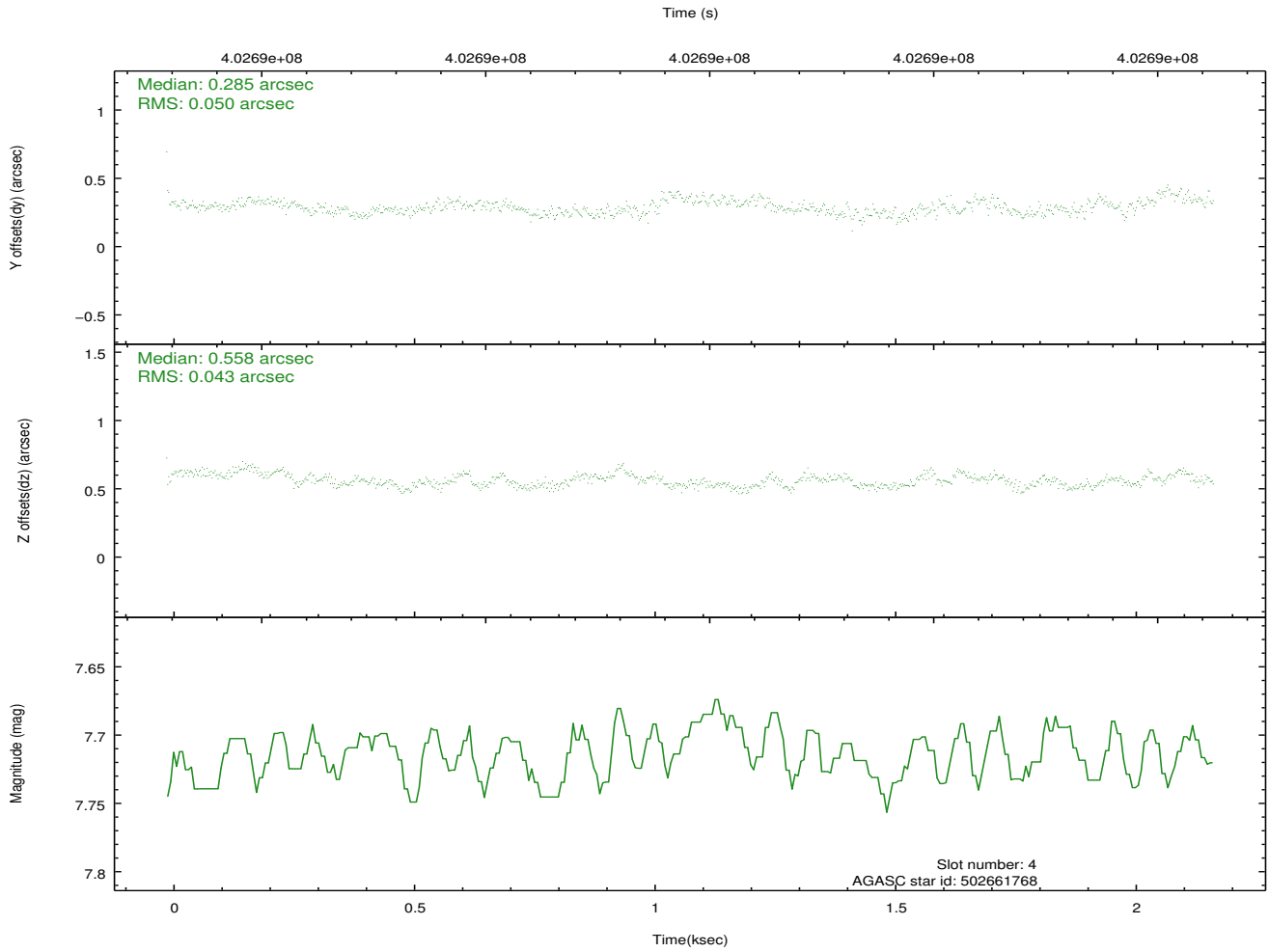
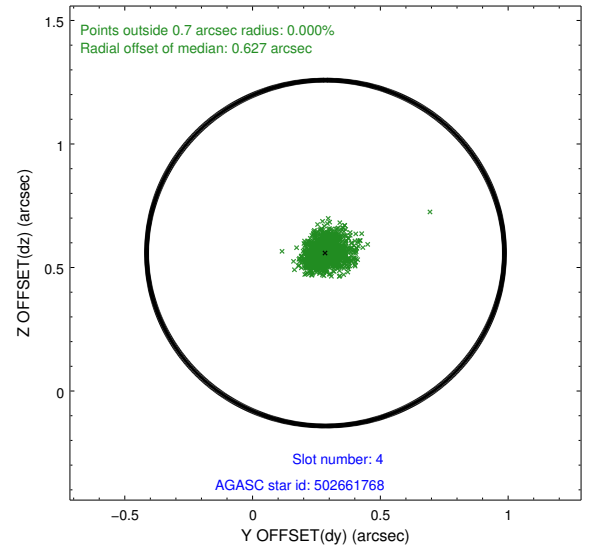
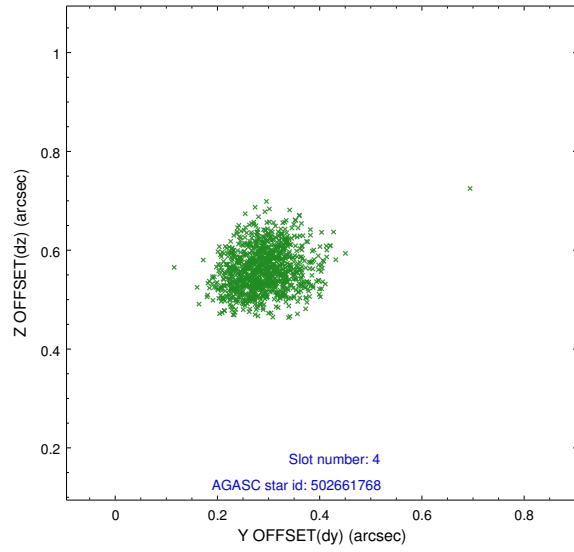


## 2.4 Star Slots

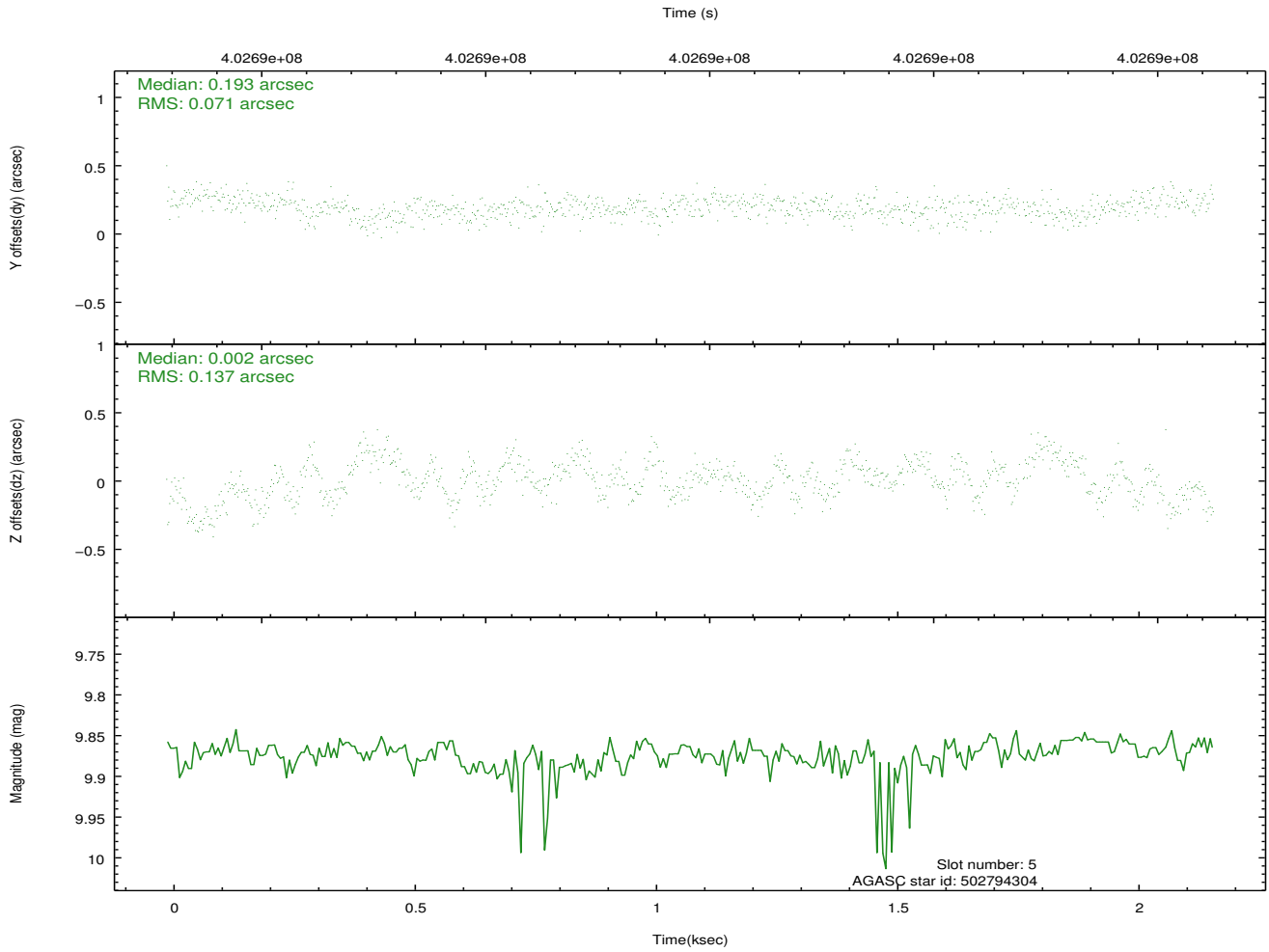
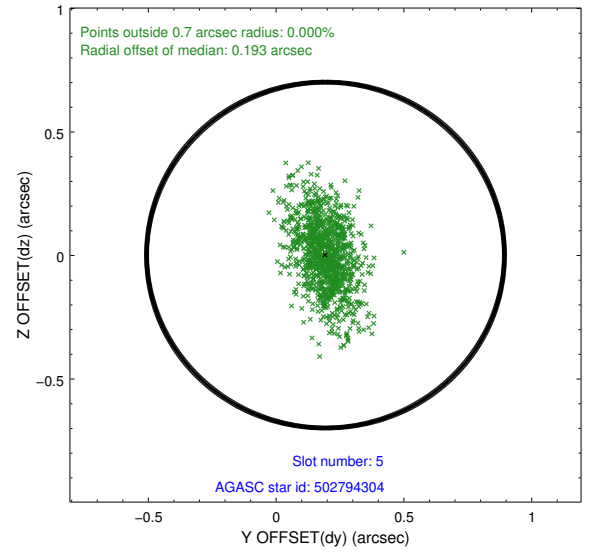
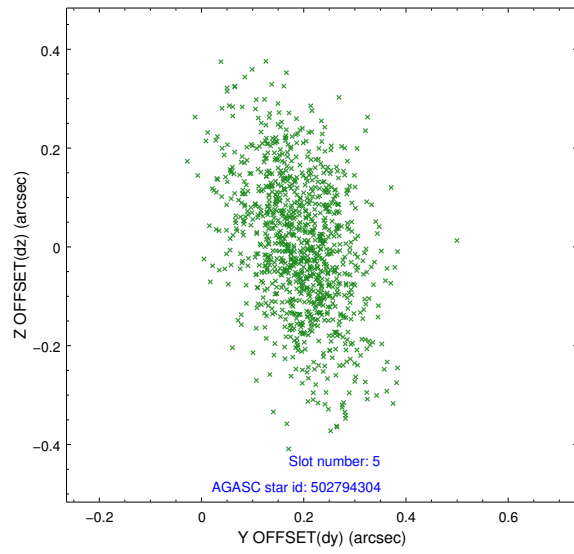
### 2.4.1 Slot 3



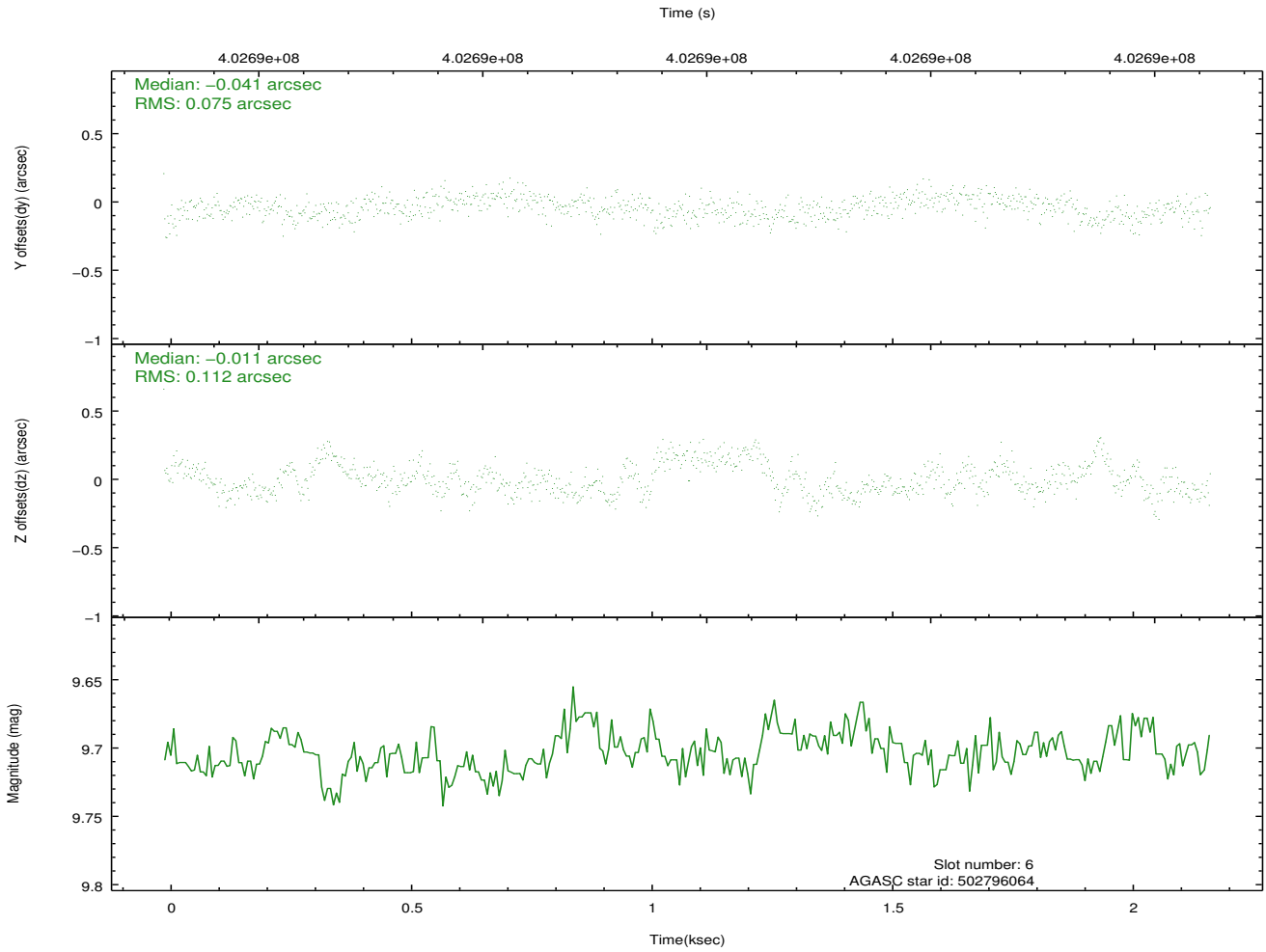
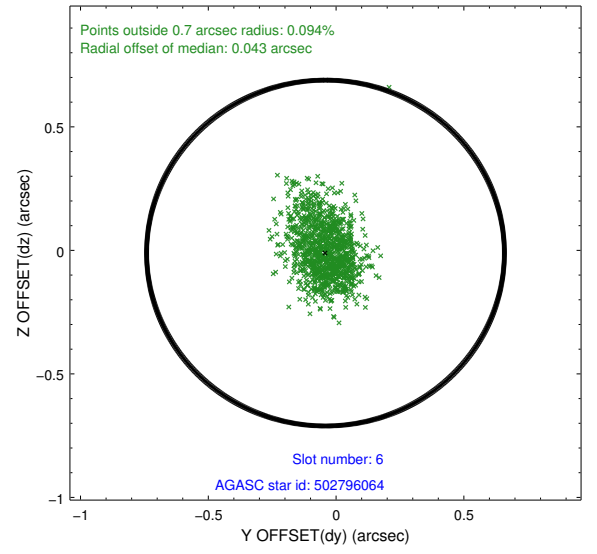
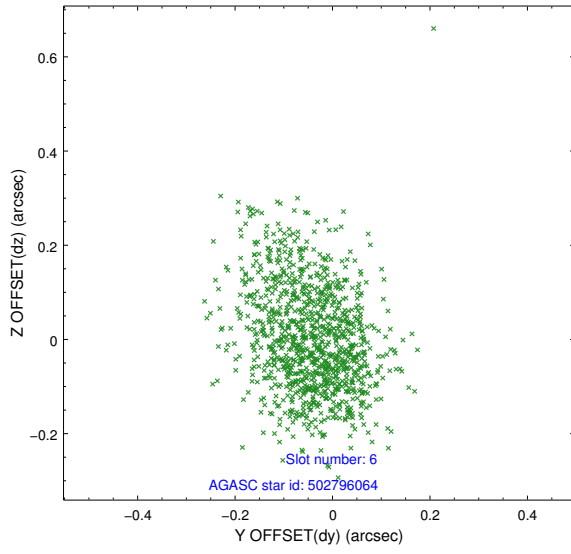
## 2.4.2 Slot 4



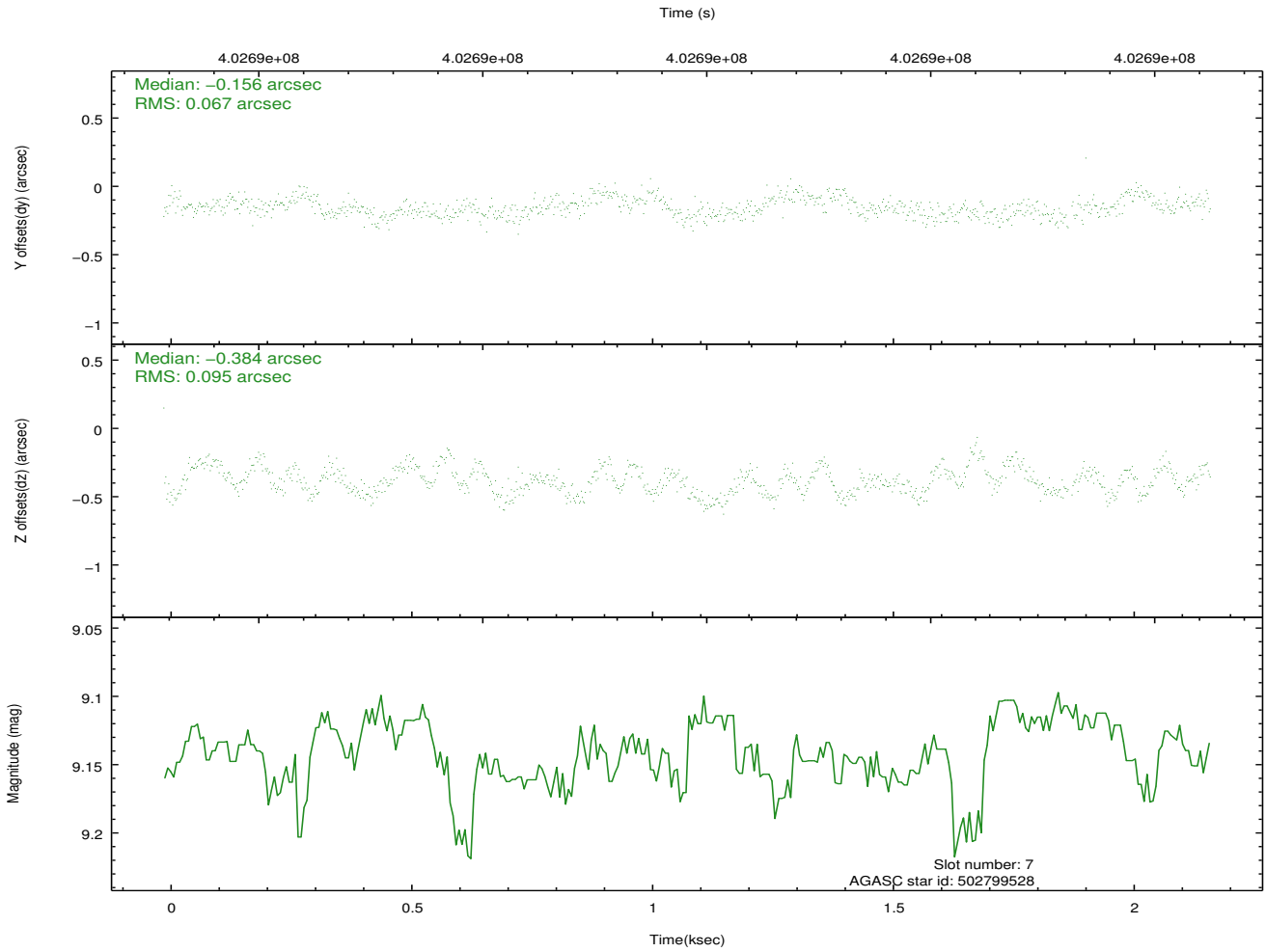
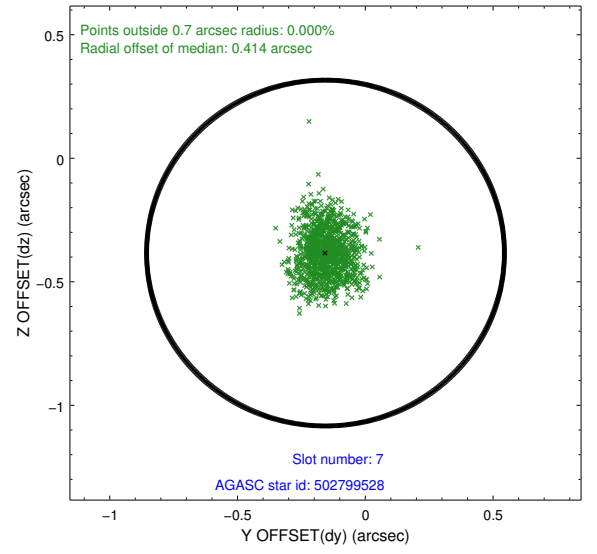
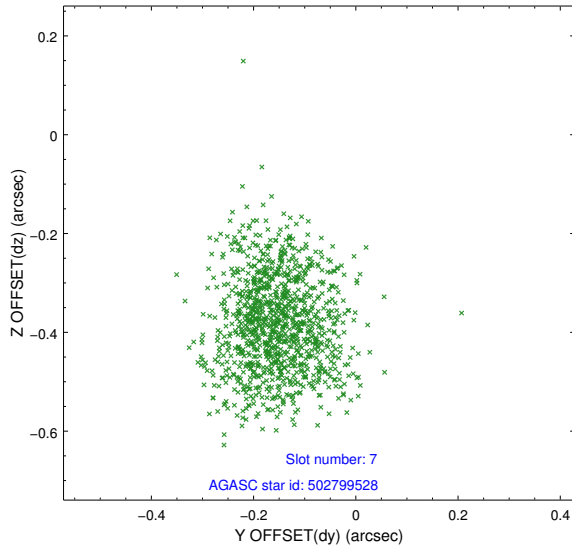
### 2.4.3 Slot 5



## 2.4.4 Slot 6

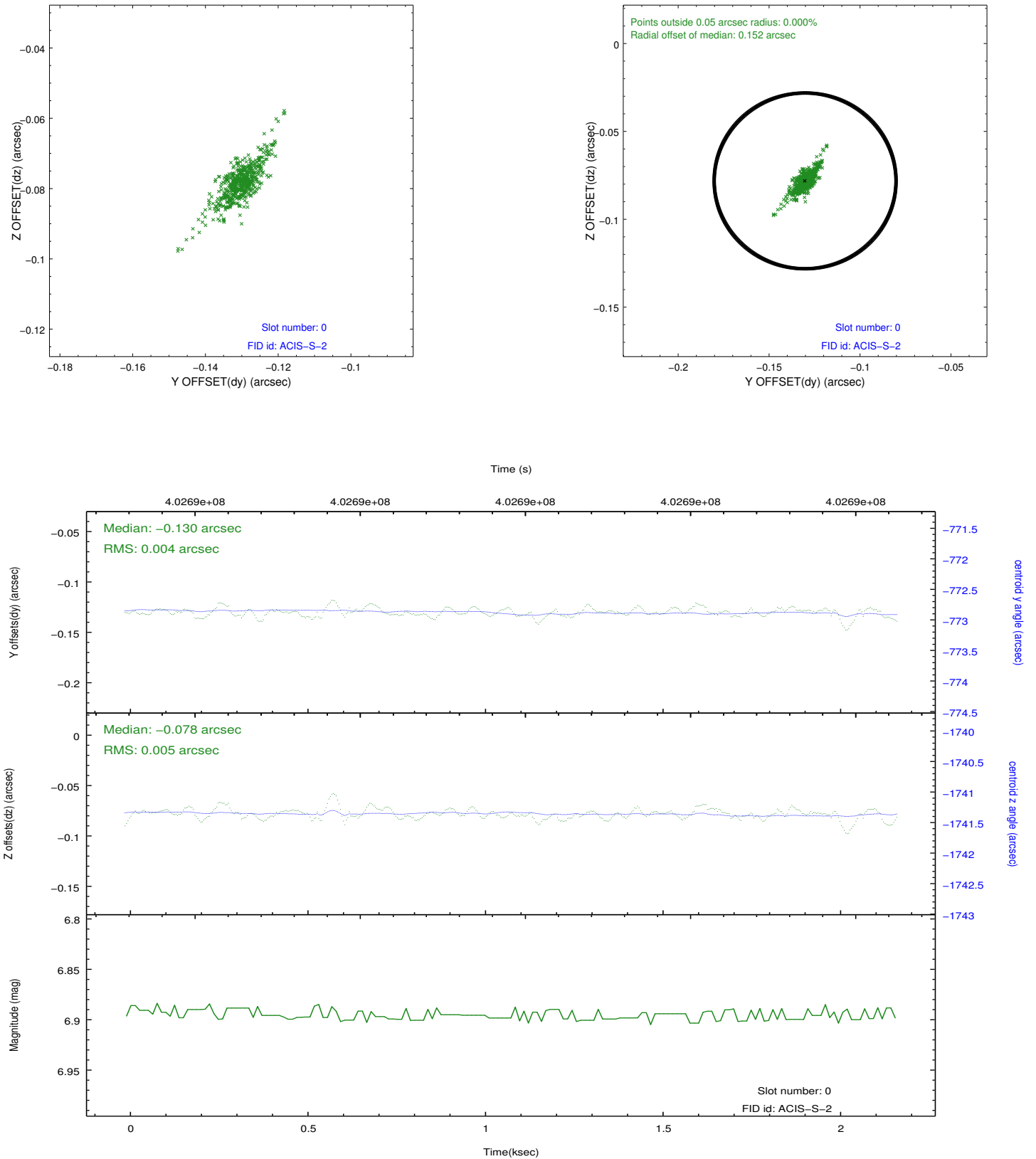


## 2.4.5 Slot 7

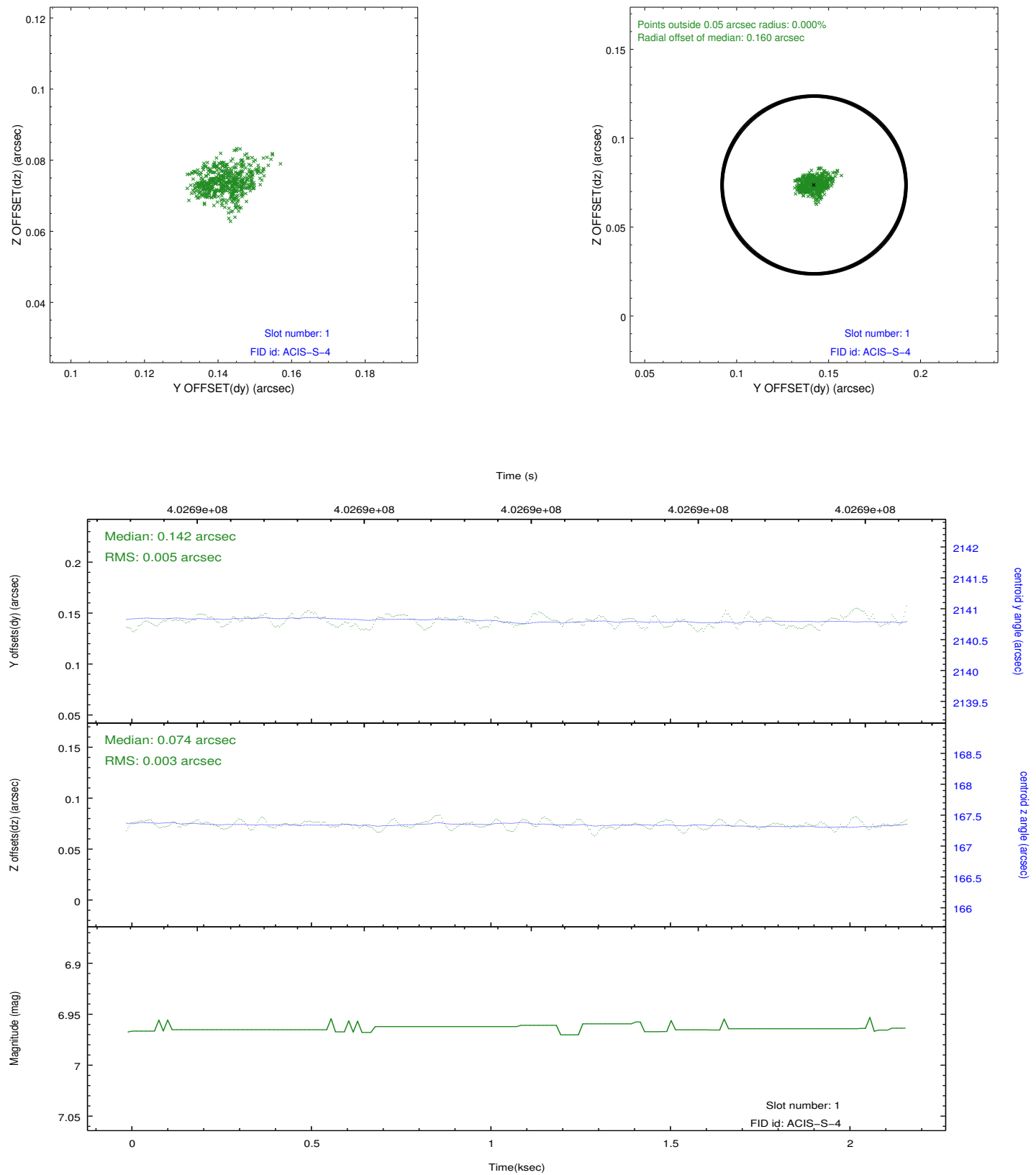


## 2.5 FID Slots

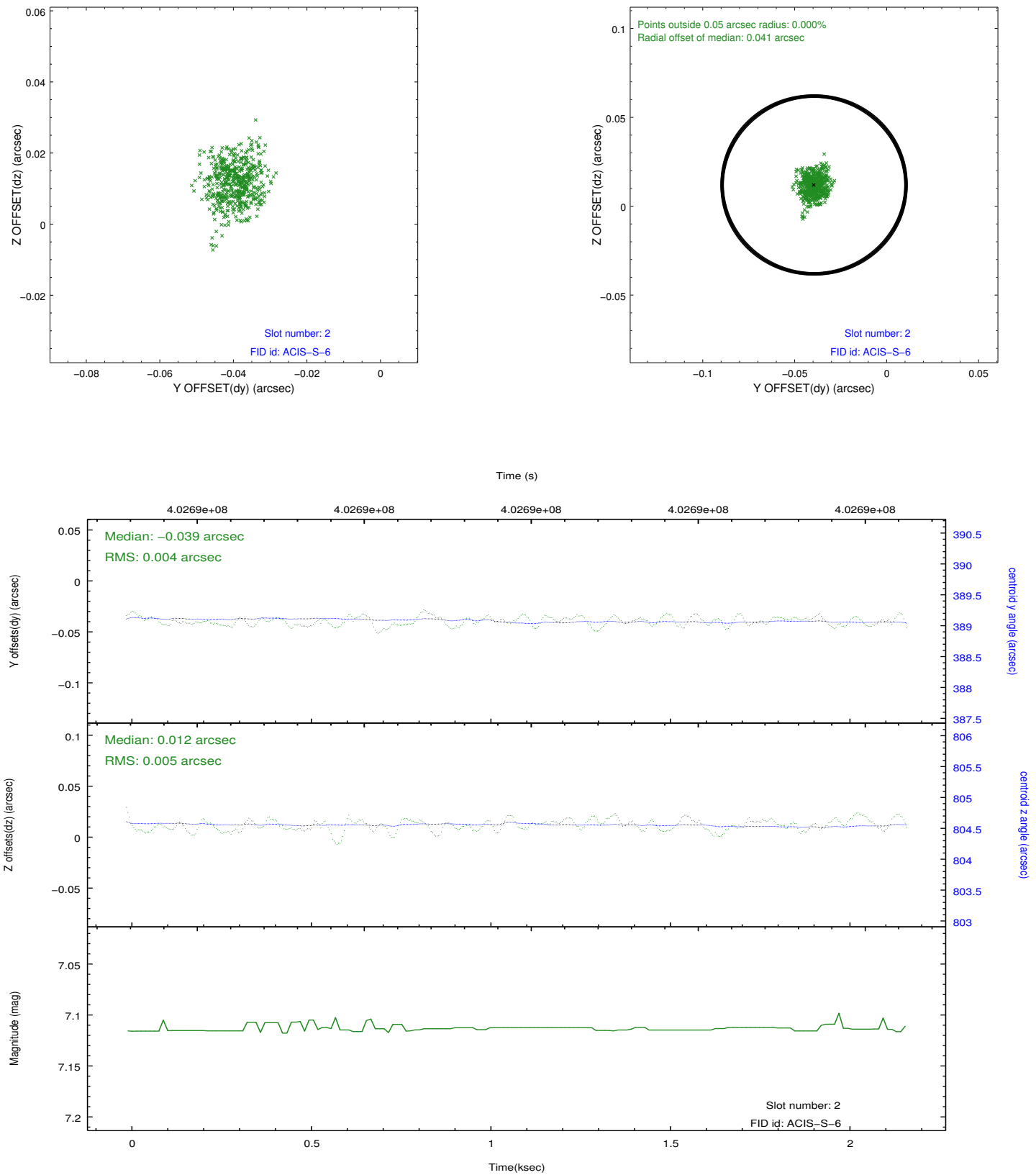
### 2.5.1 Slot 0



## 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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.00839988029

### A.2 Comments