

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11447 - L2 Version 2  
Chandra X-Ray Center

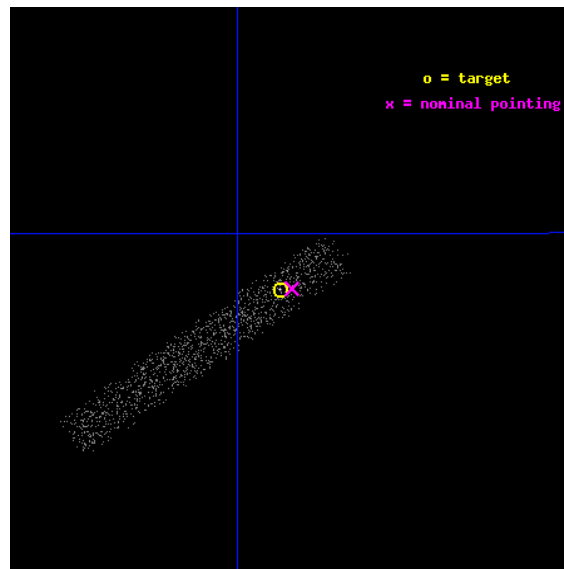
L2 Processing Date : Jun 19 2012

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# 1 Front

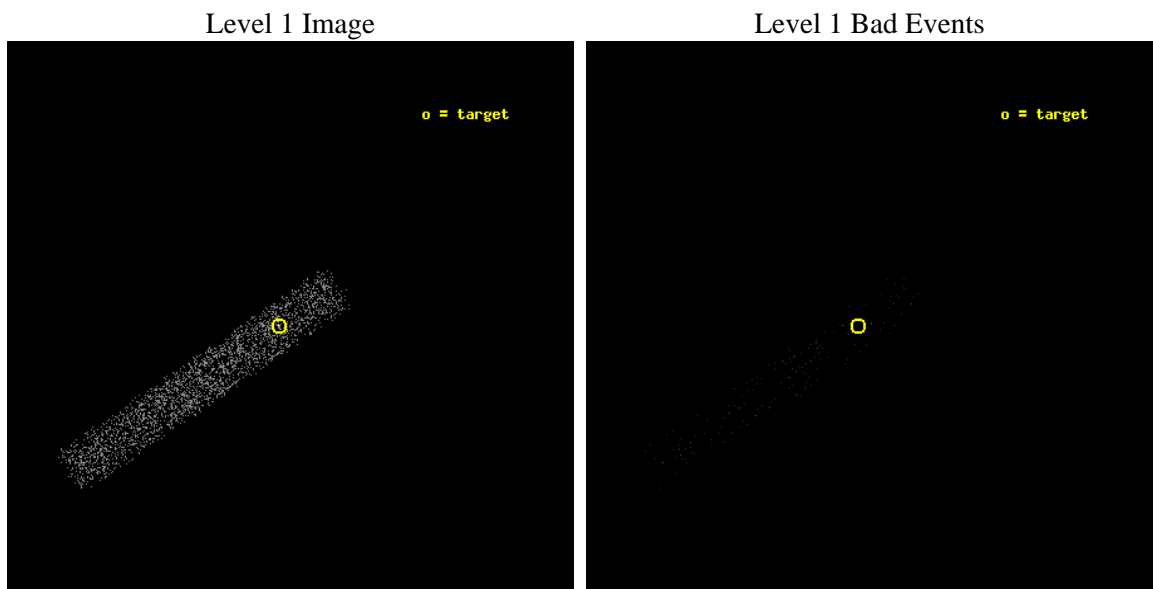
seq_num	702033	Sequence number
obs_id	11447	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J085152.62+522832.9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.969167	Observer's specified target RA [deg]
dec_targ	52.475806	Observer's specified target Dec [deg]
ra_nom	132.96090928857	Nominal RA [deg]
dec_nom	52.476048850439	Nominal Dec [deg]
roll_nom	145.50479842547	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2153.9998716116	Sum of GTIs [s]
livetime	1953.5641861161	Livetime [s]
ontime7	2153.9998716116	Sum of GTIs [s]
l2events	1490	Number of level 2 events



## 2 OBI

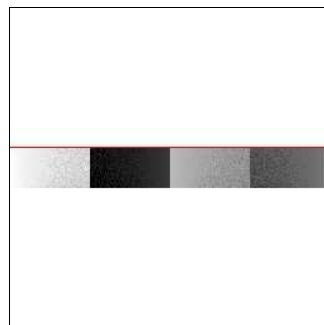
### 2.1 OBI

#### 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	2153.9998716116	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2153.9998716116	Sum of GTIs [s]
date	2012-06-19T08:40:35	Date and time of file creation	l1events	4428	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

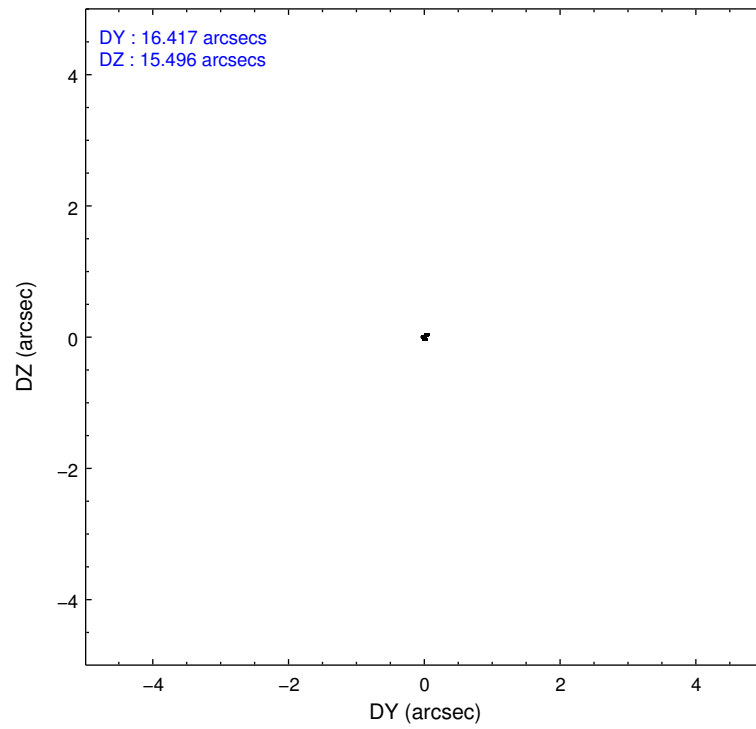
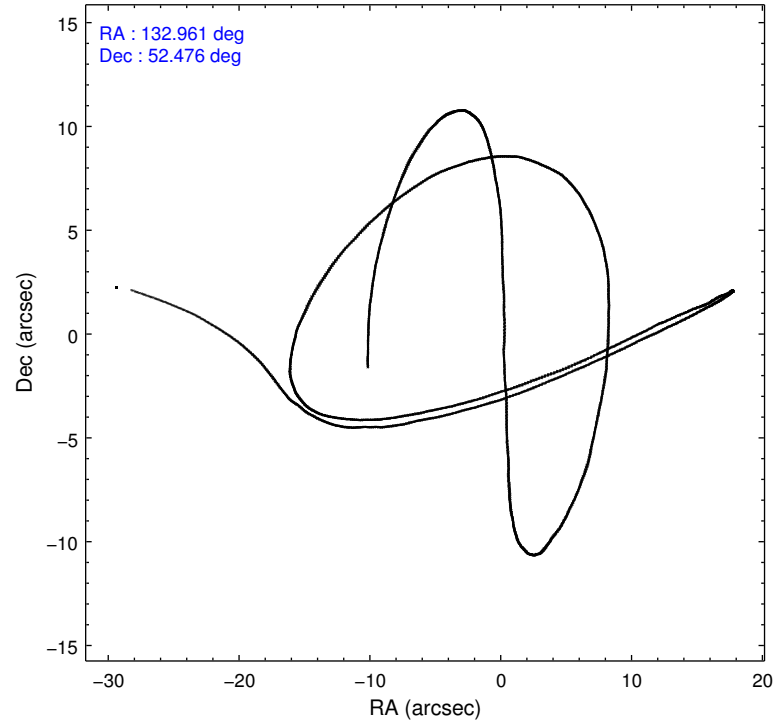
	<b>ccd 7</b>
level 1 events	4428
rejected events	2876
rejected %	64%

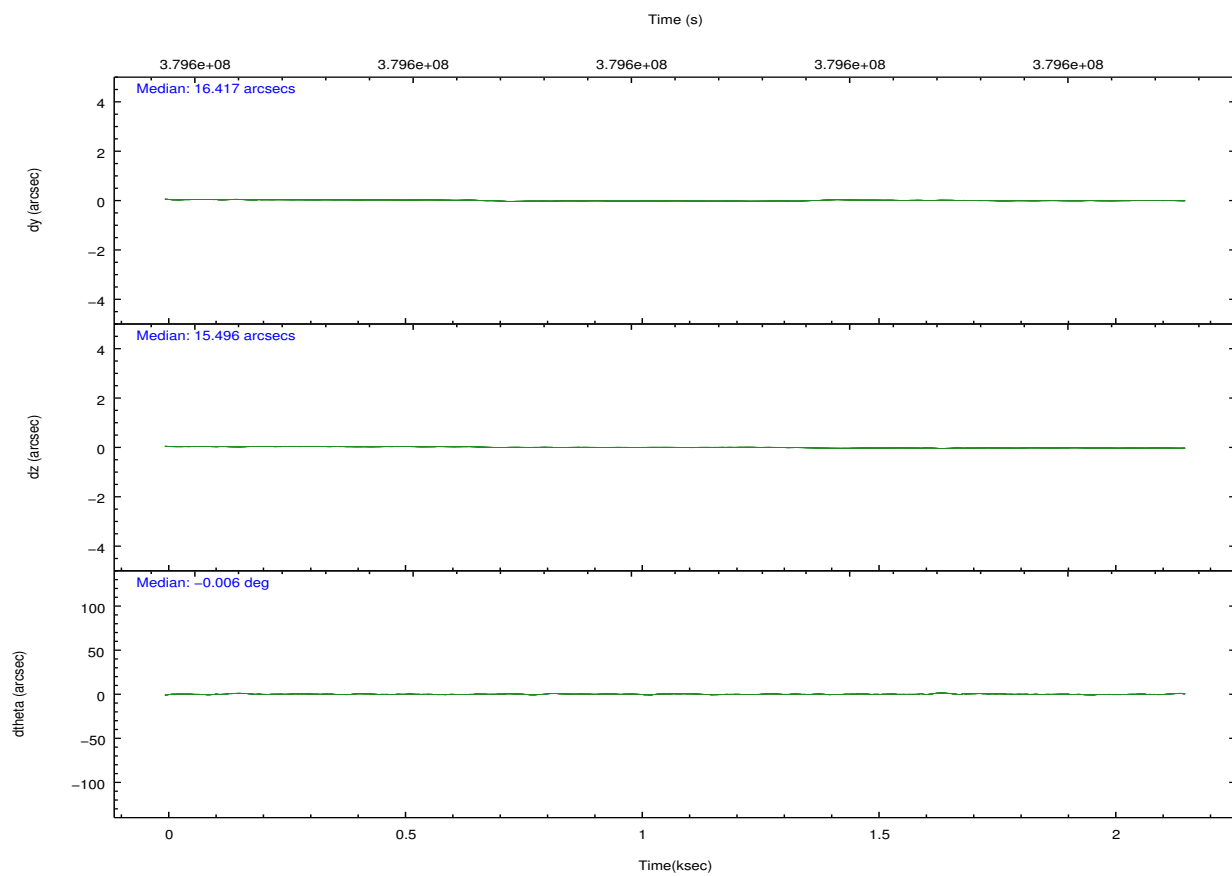
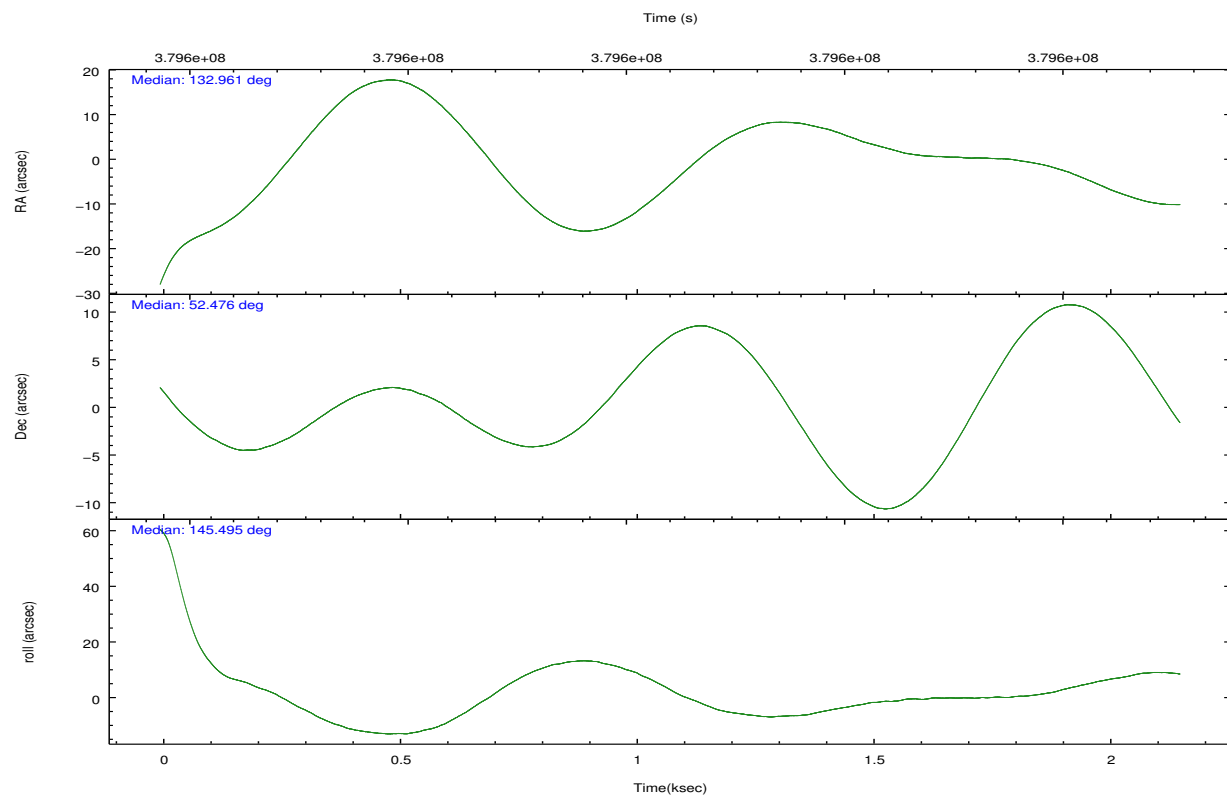
	<b>ccd 7</b>
grade 0 events	263
	5%
grade 1 events	9
	0%
grade 2 events	440
	9%
grade 3 events	293
	6%
grade 4 events	328
	7%
grade 5 events	389
	8%
grade 6 events	923
	20%
grade 7 events	1783
	40%

## 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	133.006014	132.9609092885691	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	52.474261	52.47604885043947	Subarray start row	449	449
[deg] Pointing Roll	145.312118	145.5047984254728	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	379602675.184000	379601529.42022			
Observation start date	2010-01-11T13:10:09	2010-01-11T12:52:09			
[s] Observation end time (MET)	379604675.184000	379605763.18294			
Observation end date	2010-01-11T13:43:29	2010-01-11T14:02:43			
Read mode	TIMED	TIMED			

## 2.3 Aspect





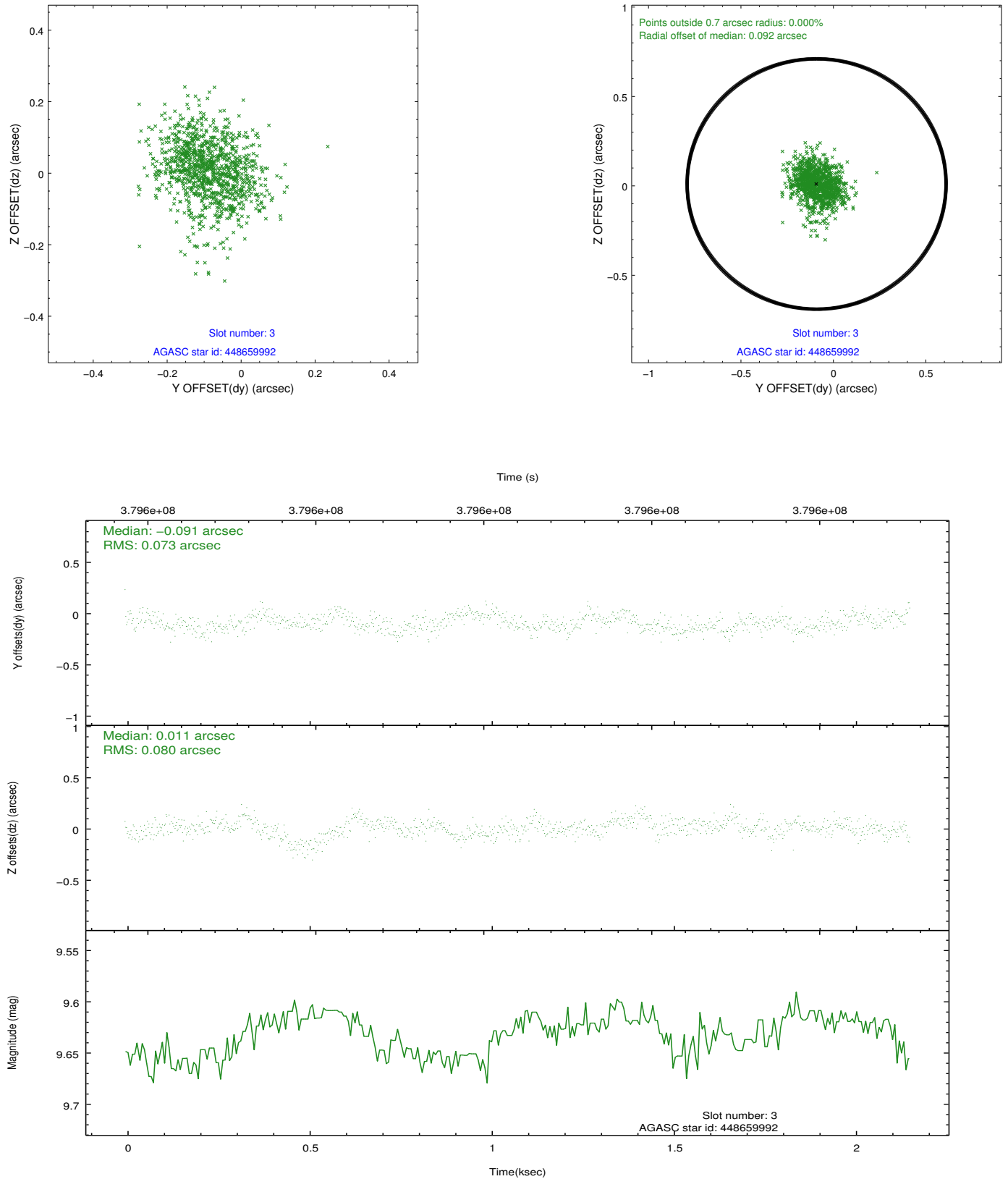
### Slot Statistics

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	526	0.037	-0.064	0.007	0.013	0.000000	0.000000	926.66	-1732.52
1	FID	ACIS-S-4	6.99	526	0.153	0.031	0.006	0.010	0.000000	0.000000	2145.83	168.62
2	FID	ACIS-S-5	7.02	526	-0.217	0.046	0.006	0.013	0.000000	0.000000	-1818.61	165.60
3	GUIDE	448659992	9.63	1051	-0.091	0.011	0.114	0.193	132.460800	52.353608	740.46	1035.67
4	GUIDE	448664040	7.11	1052	0.013	0.167	0.092	0.140	133.275408	52.390235	-657.42	-88.21
5	GUIDE	498741712	7.74	1050	0.102	-0.025	0.060	0.097	133.739337	52.794638	-652.33	-1863.56
6	GUIDE	498742248	7.68	1051	0.010	0.110	0.059	0.098	133.734200	52.956447	-306.71	-2334.49
7	GUIDE	448663480	9.02	1051	-0.042	-0.255	0.101	0.168	132.001095	52.125973	1120.34	2280.03

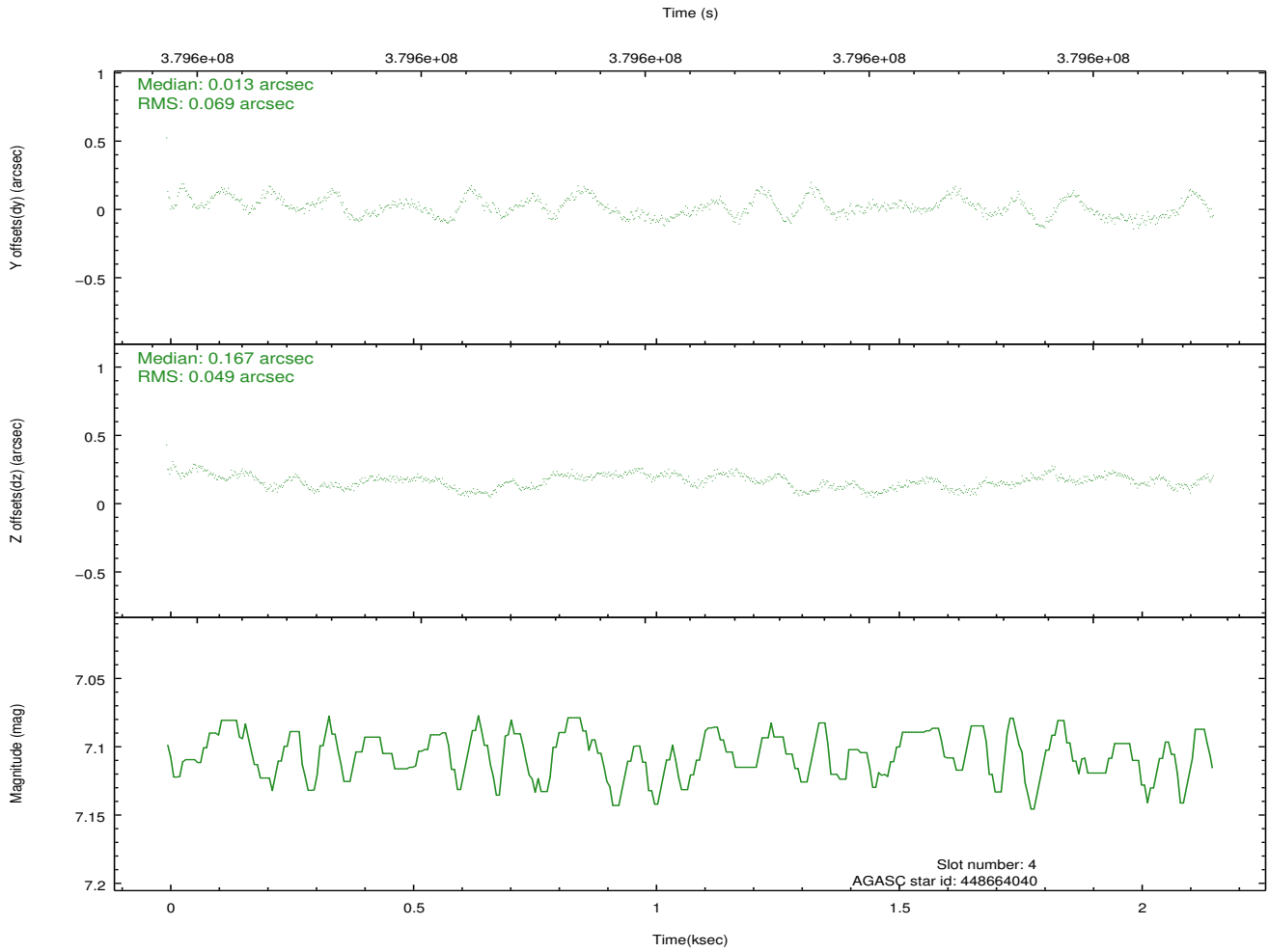
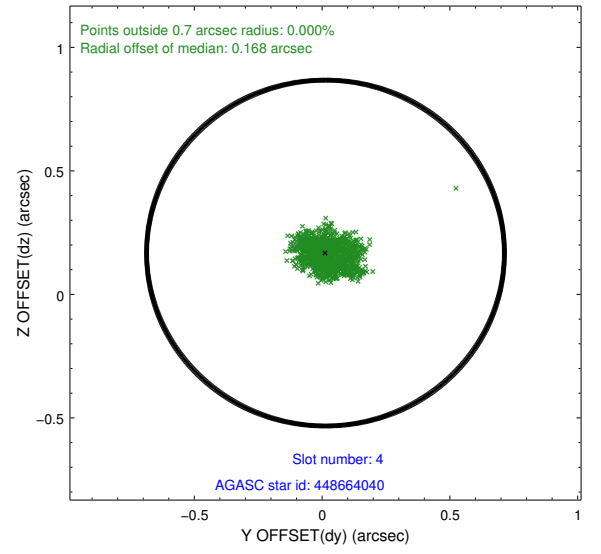
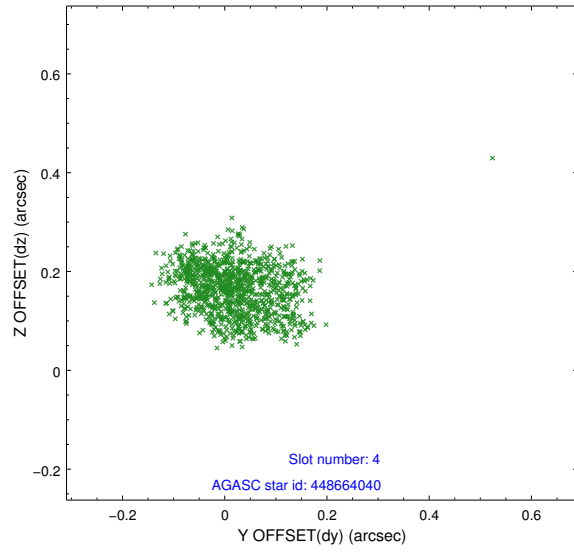


## 2.4 Star Slots

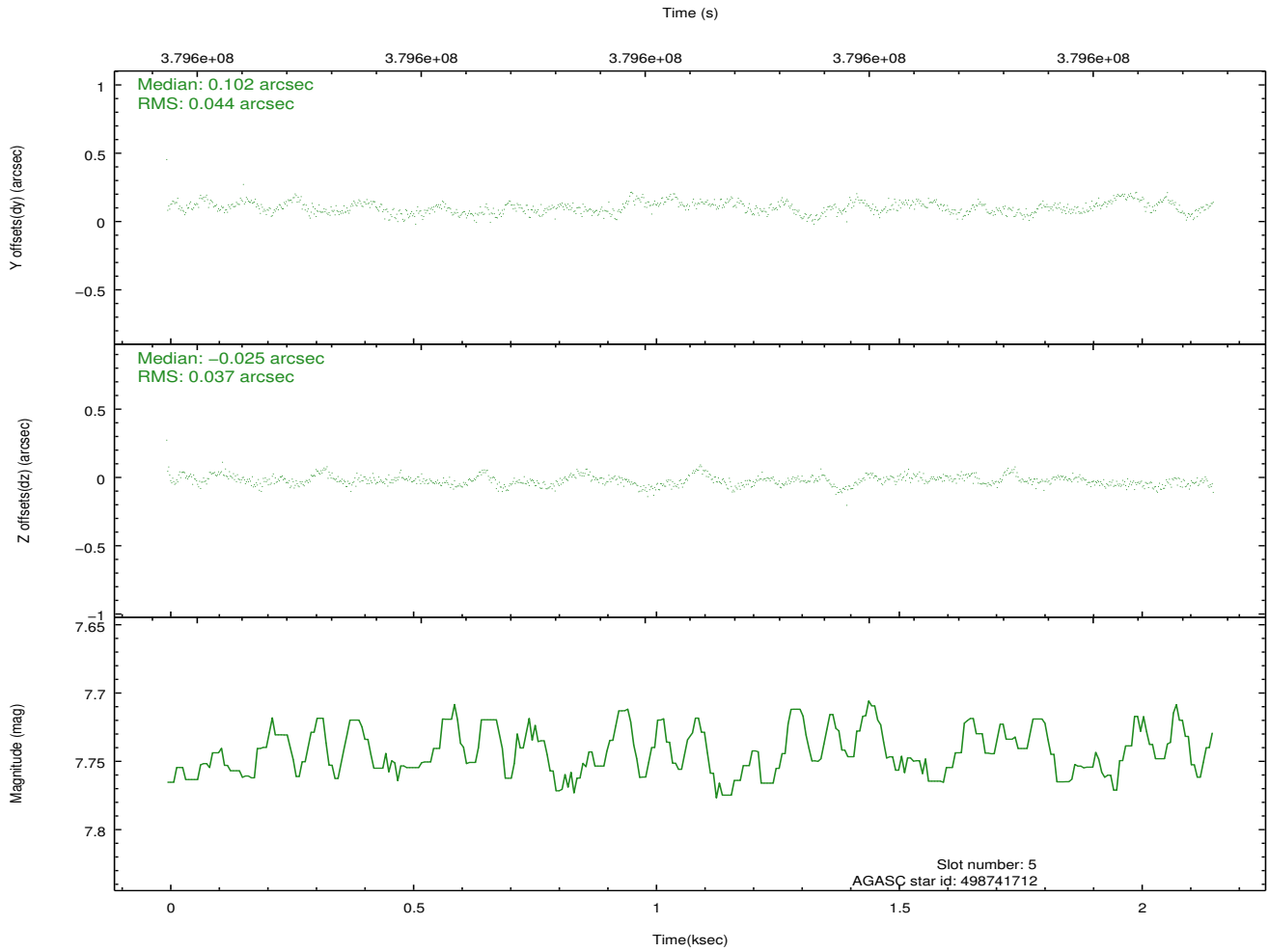
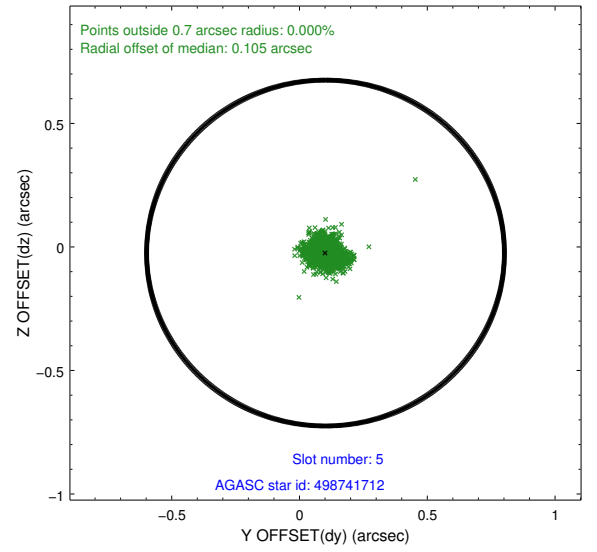
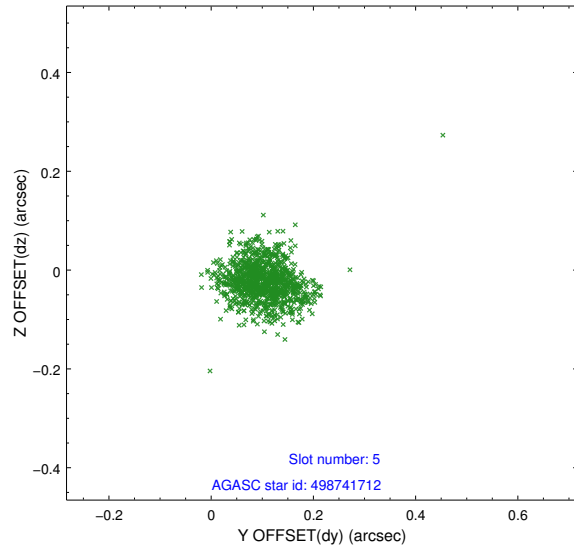
### 2.4.1 Slot 3



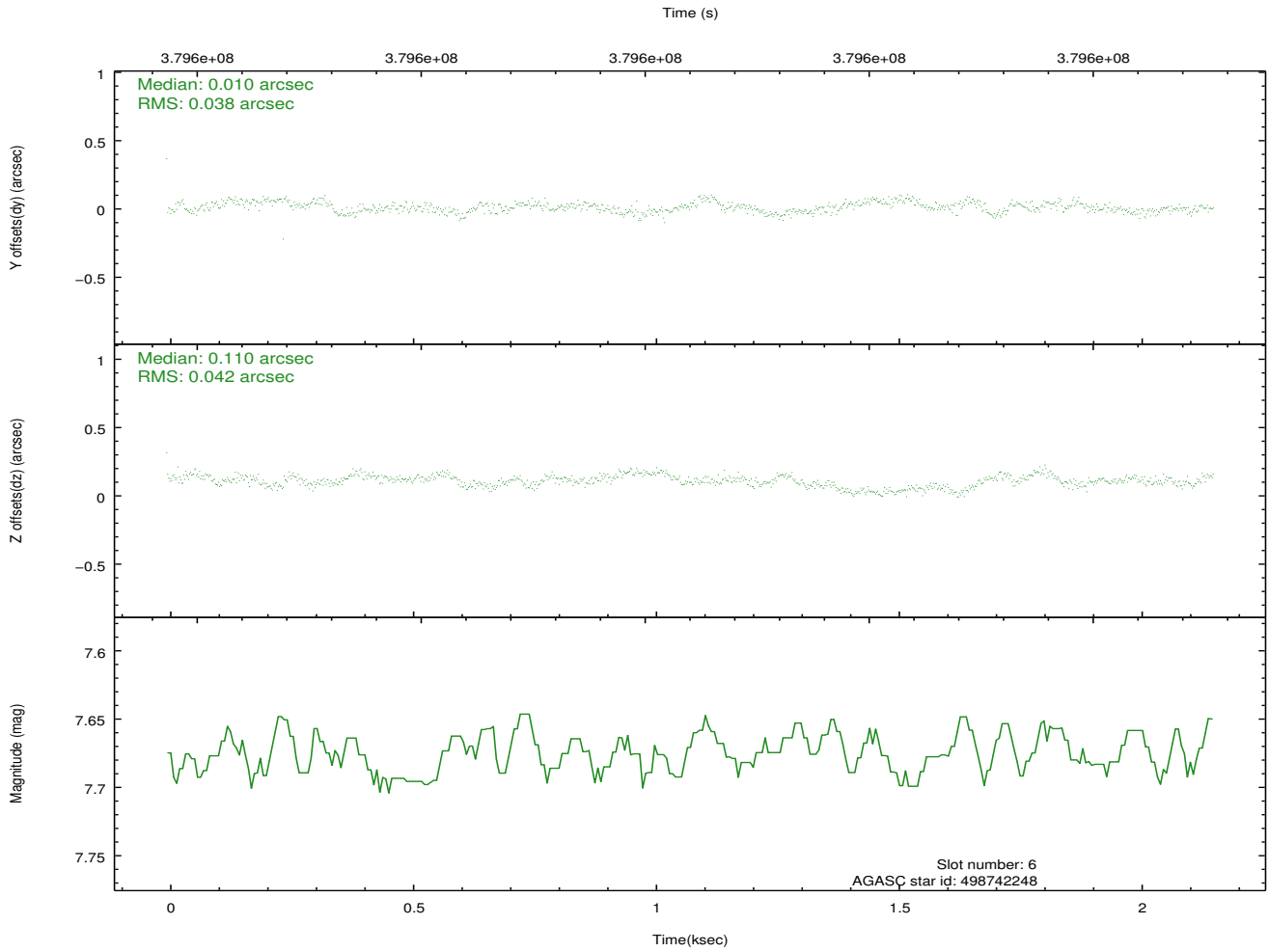
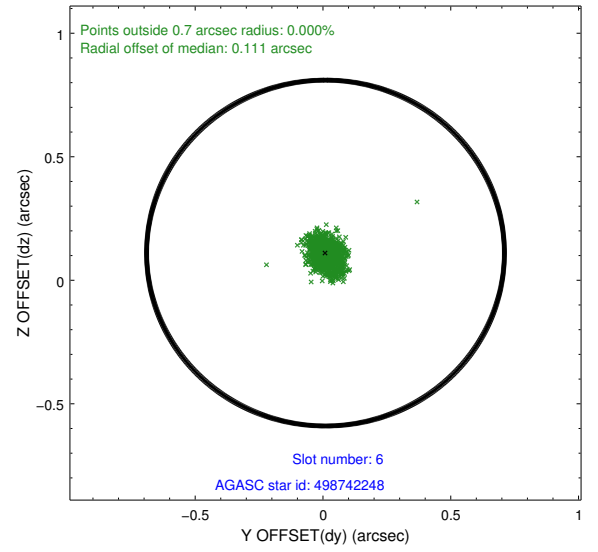
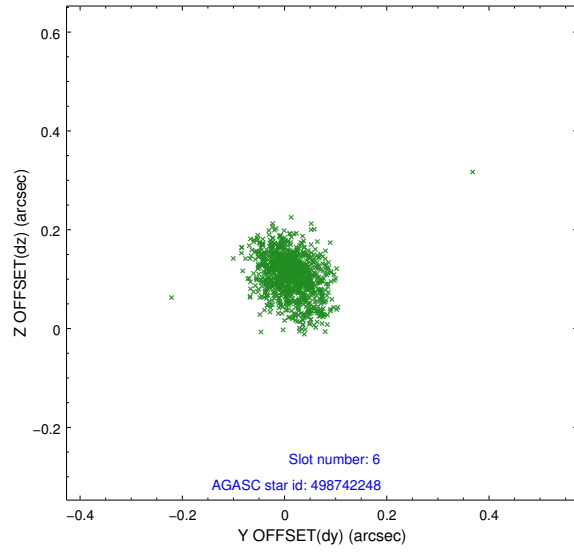
## 2.4.2 Slot 4



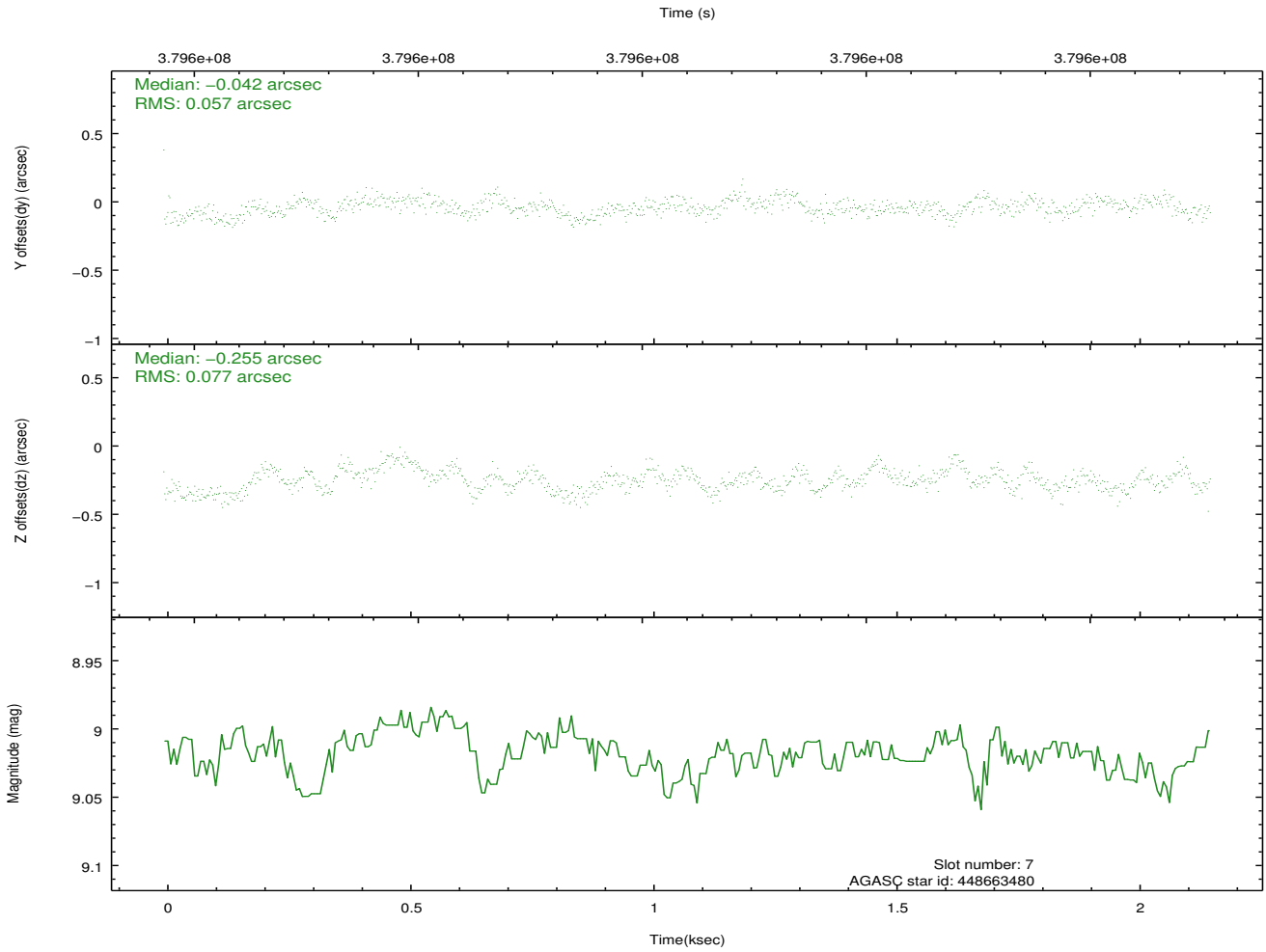
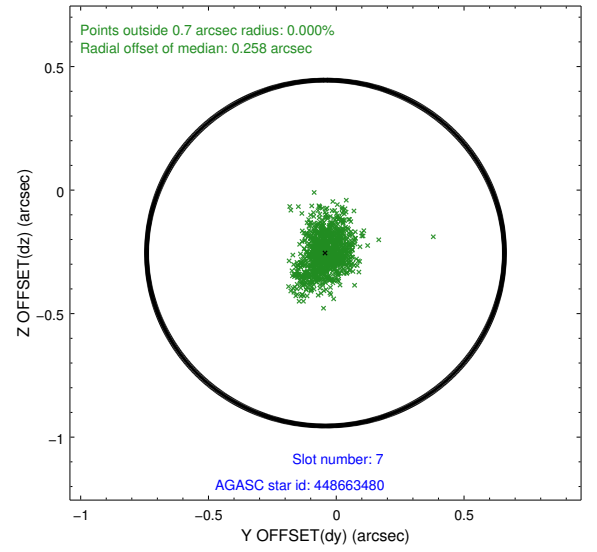
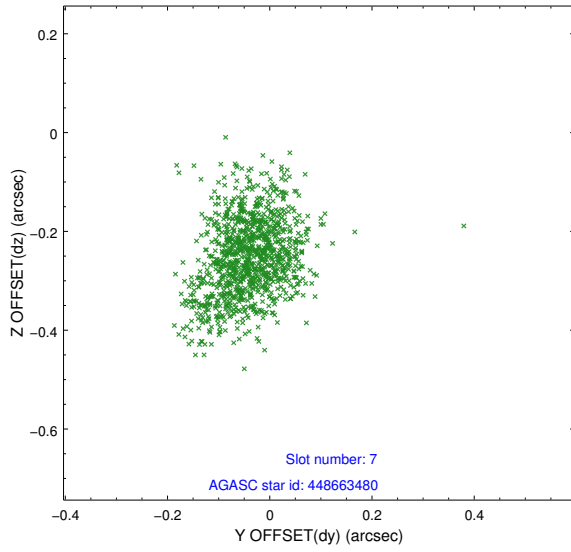
### 2.4.3 Slot 5



## 2.4.4 Slot 6

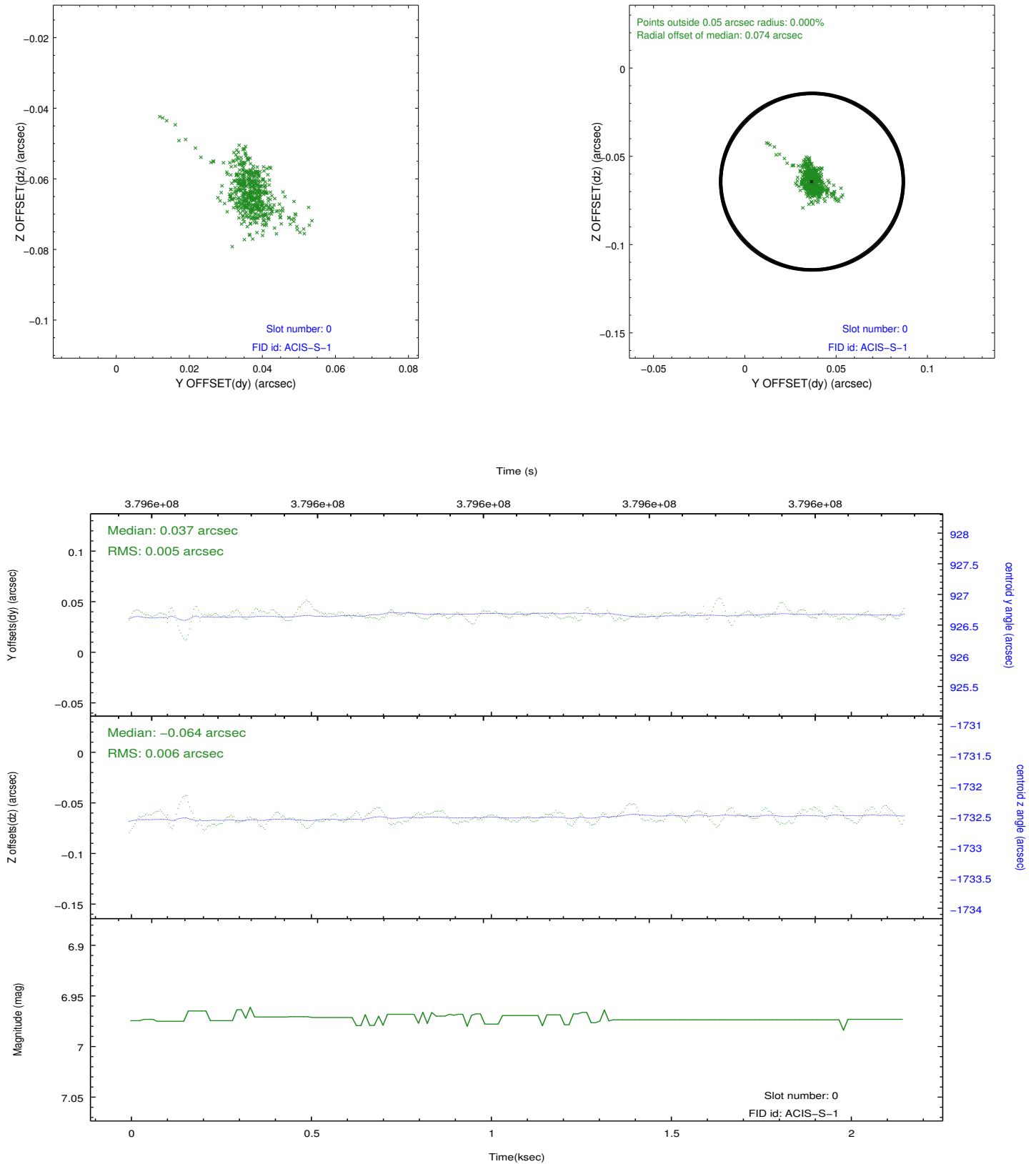


## 2.4.5 Slot 7

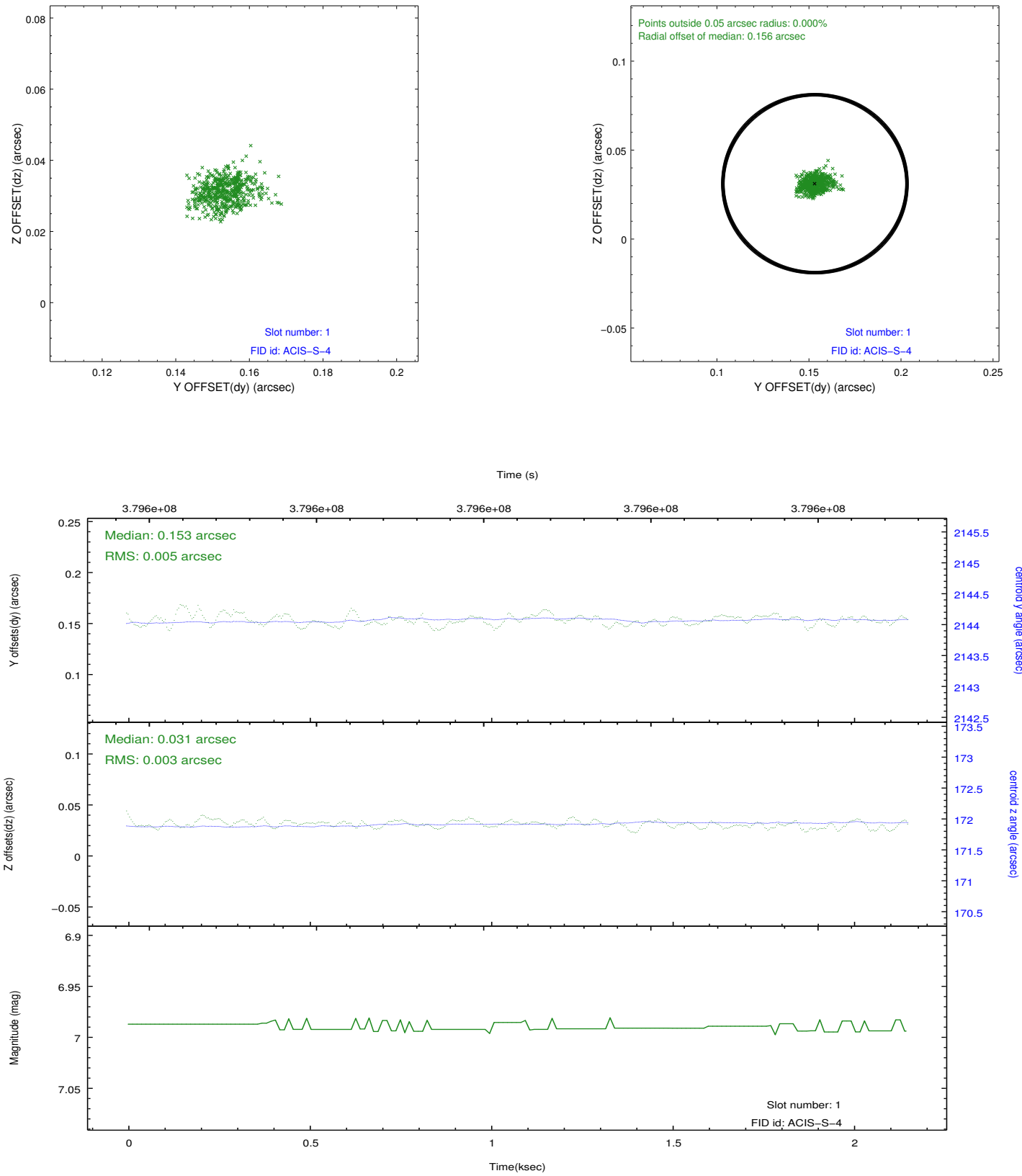


## 2.5 FID Slots

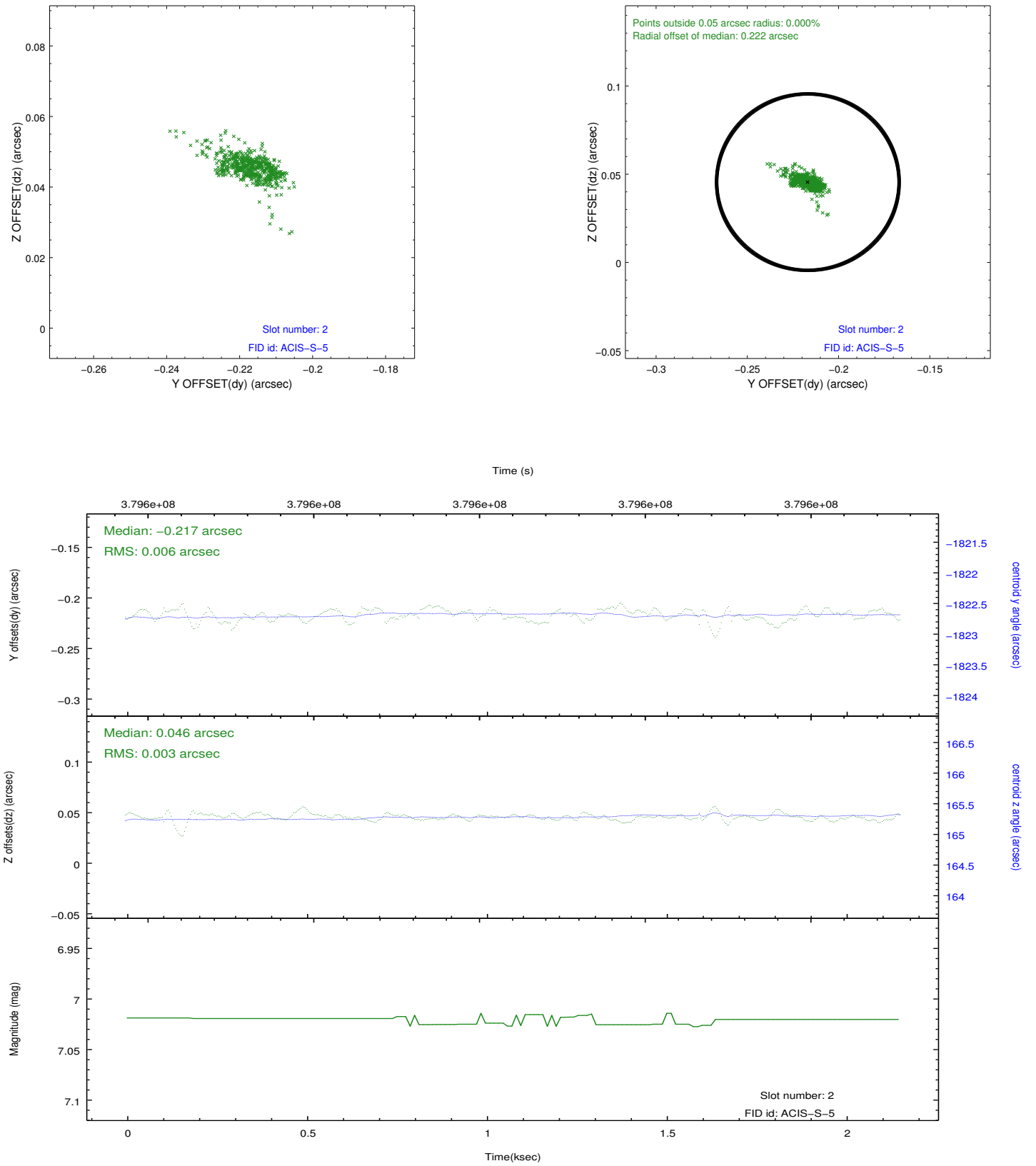
### 2.5.1 Slot 0



## 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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1539998716116

### A.2 Comments