

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11488 - L2 Version 2  
Chandra X-Ray Center

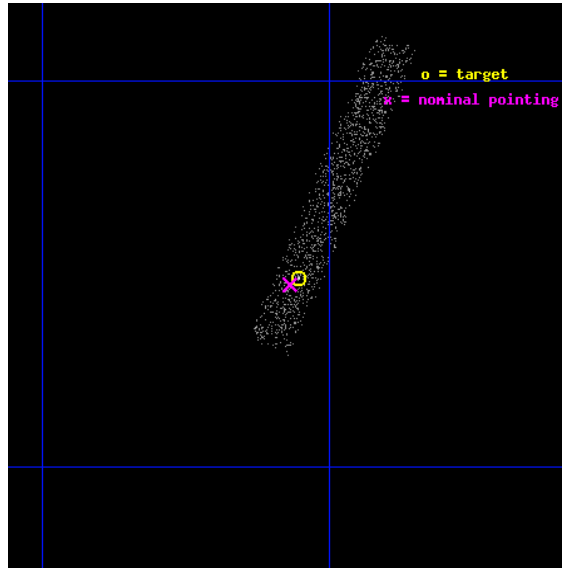
L2 Processing Date : Jun 16 2012

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# 1 Front

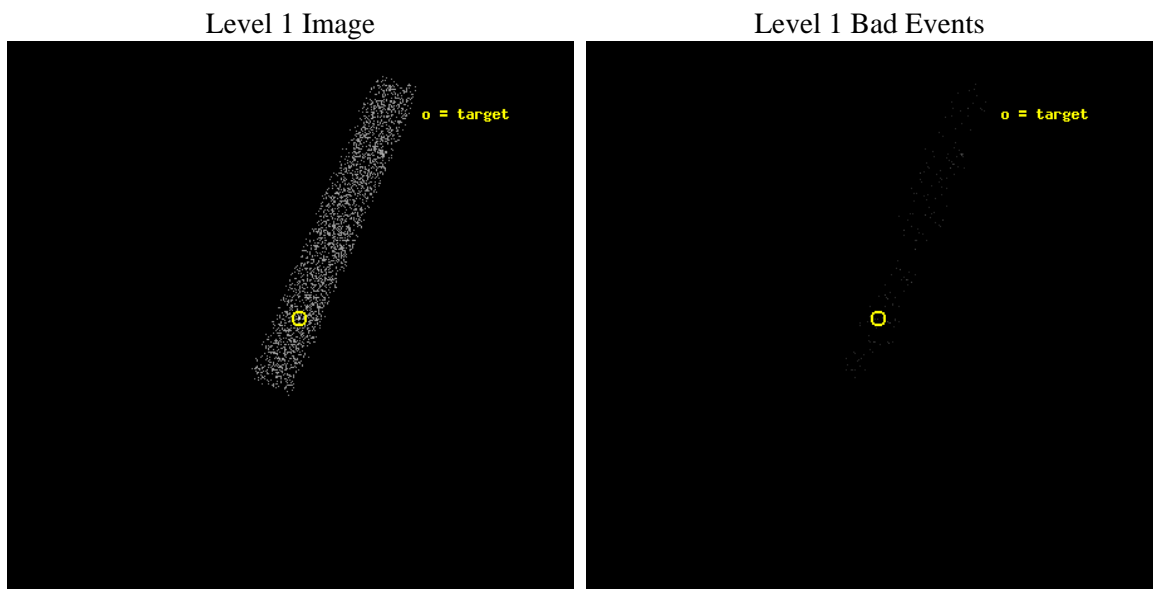
seq_num	702074	Sequence number
obs_id	11488	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J235833.20+003453.6	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.638333	Observer's specified target RA [deg]
dec_targ	0.581556	Observer's specified target Dec [deg]
ra_nom	359.64234459605	Nominal RA [deg]
dec_nom	0.5786421194574	Nominal Dec [deg]
roll_nom	292.94850419723	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2151.5998717546	Sum of GTIs [s]
livetime	1951.3875129282	Livetime [s]
ontime7	2151.5998717546	Sum of GTIs [s]
l2events	1537	Number of level 2 events



## 2 OBI

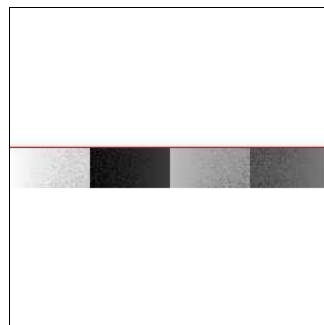
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2151.5998717546	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2151.5998717546	Sum of GTIs [s]
date	2012-06-16T02:37:33	Date and time of file creation	l1events	4375	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

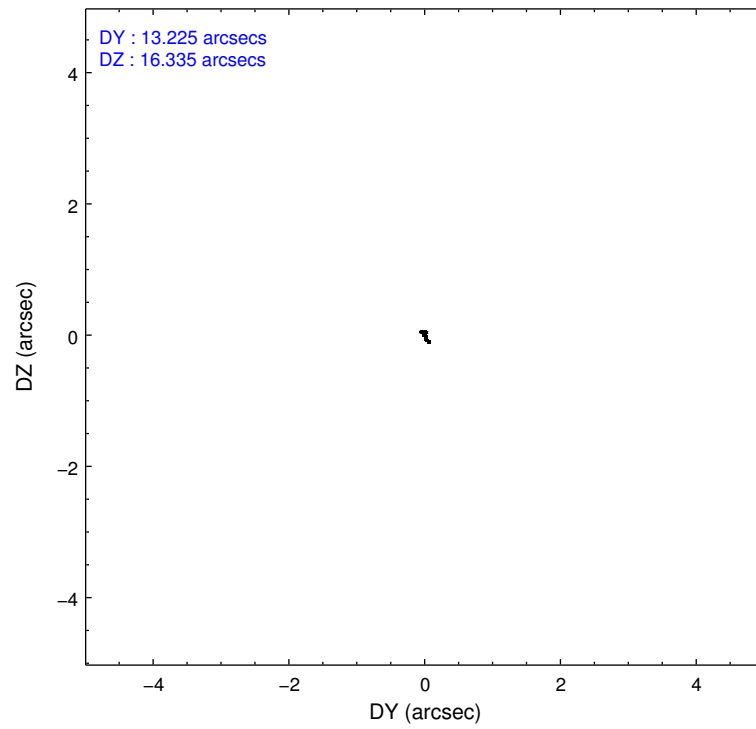
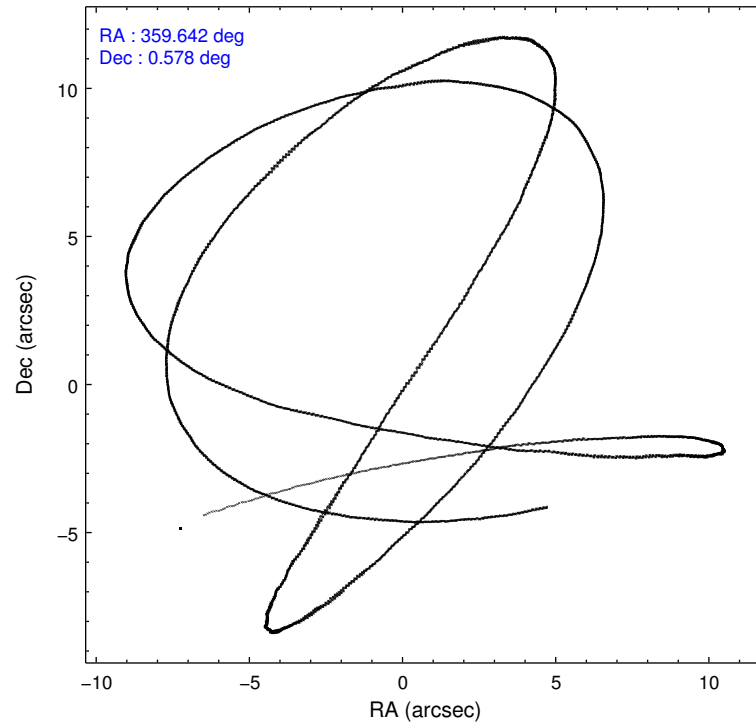
	<b>ccd 7</b>
level 1 events	4375
rejected events	2758
rejected %	63%

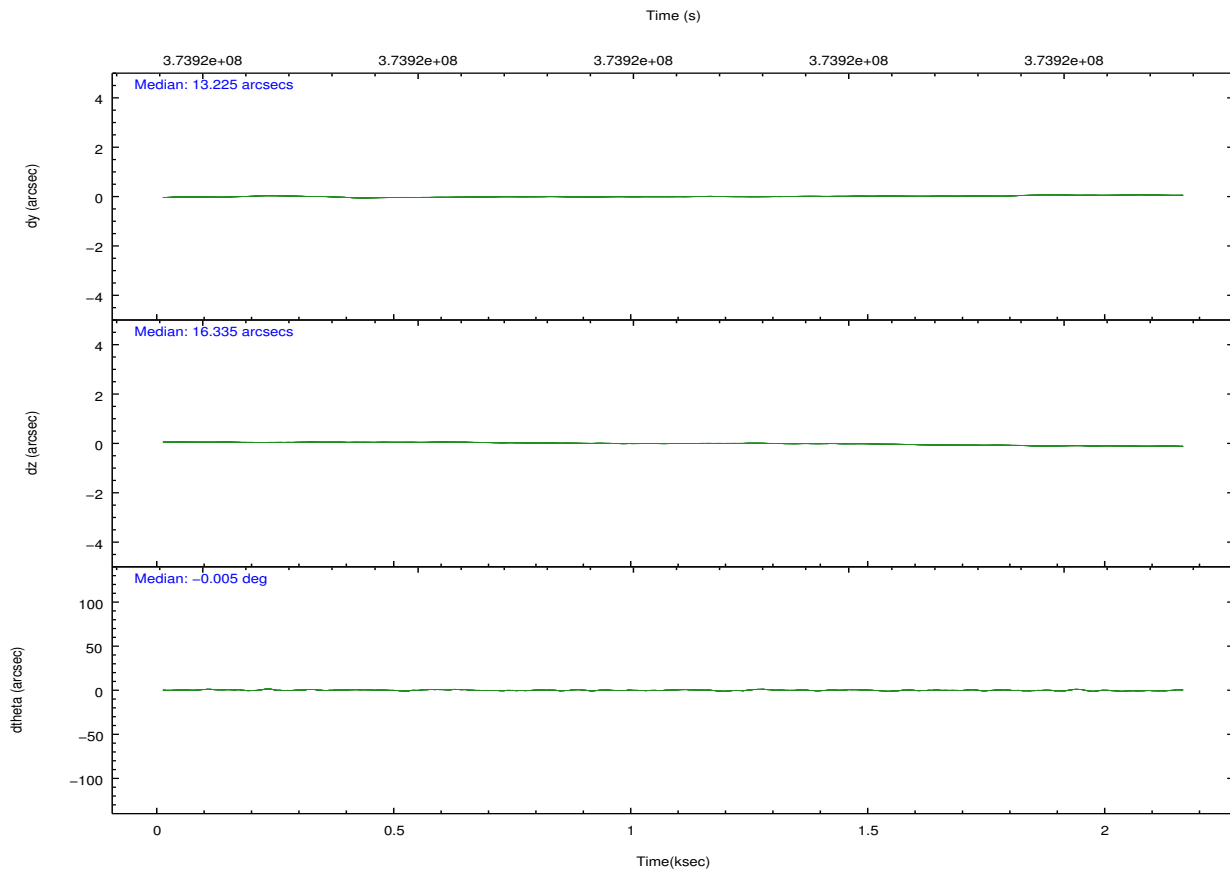
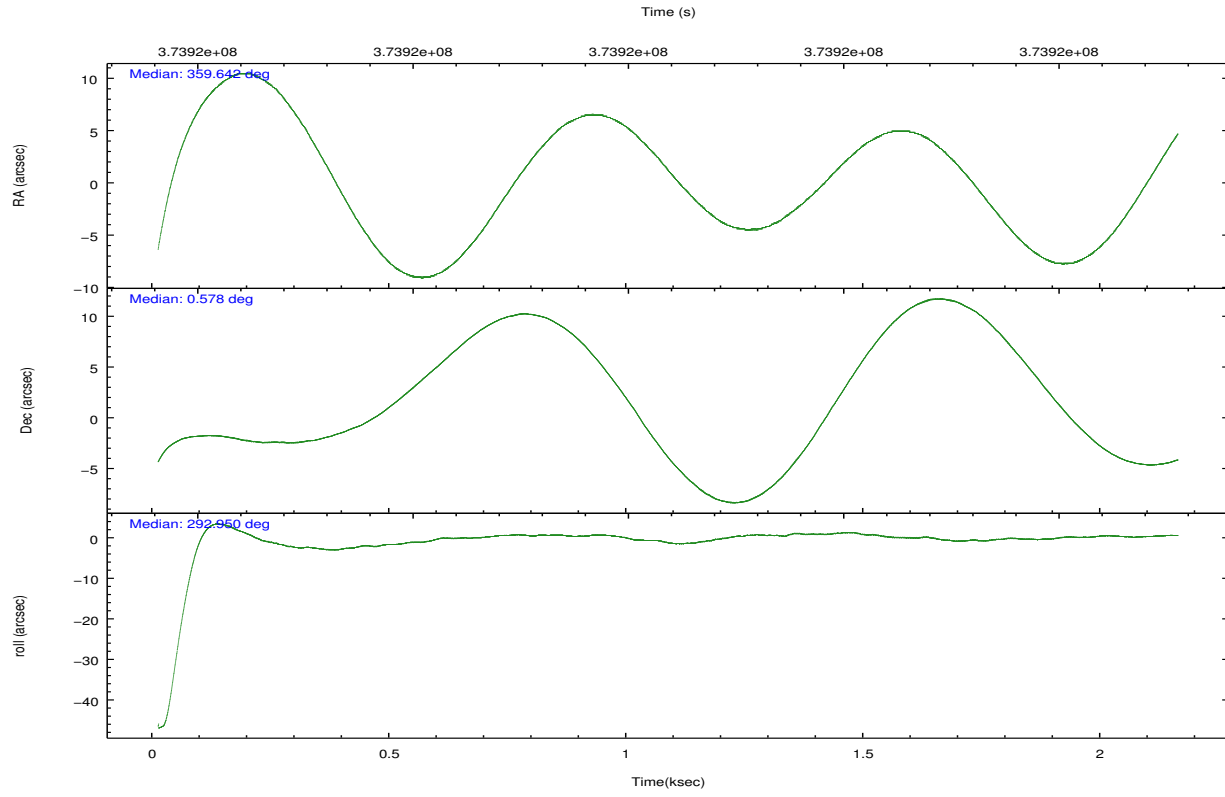
	<b>ccd 7</b>
grade 0 events	263
	6%
grade 1 events	6
	0%
grade 2 events	478
	10%
grade 3 events	282
	6%
grade 4 events	338
	7%
grade 5 events	443
	10%
grade 6 events	924
	21%
grade 7 events	1641
	37%

## 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	359.620234	359.6423445960492	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.594924	0.5786421194574033	Subarray start row	449	449
[deg] Pointing Roll	292.792433	292.948504197228	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)	373917669.184000	373916545.49573			
Observation start date	2009-11-06T18:00:03	2009-11-06T17:42:25			
[s] Observation end time (MET)	373919669.184000	373920448.69593			
Observation end date	2009-11-06T18:33:23	2009-11-06T18:47:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





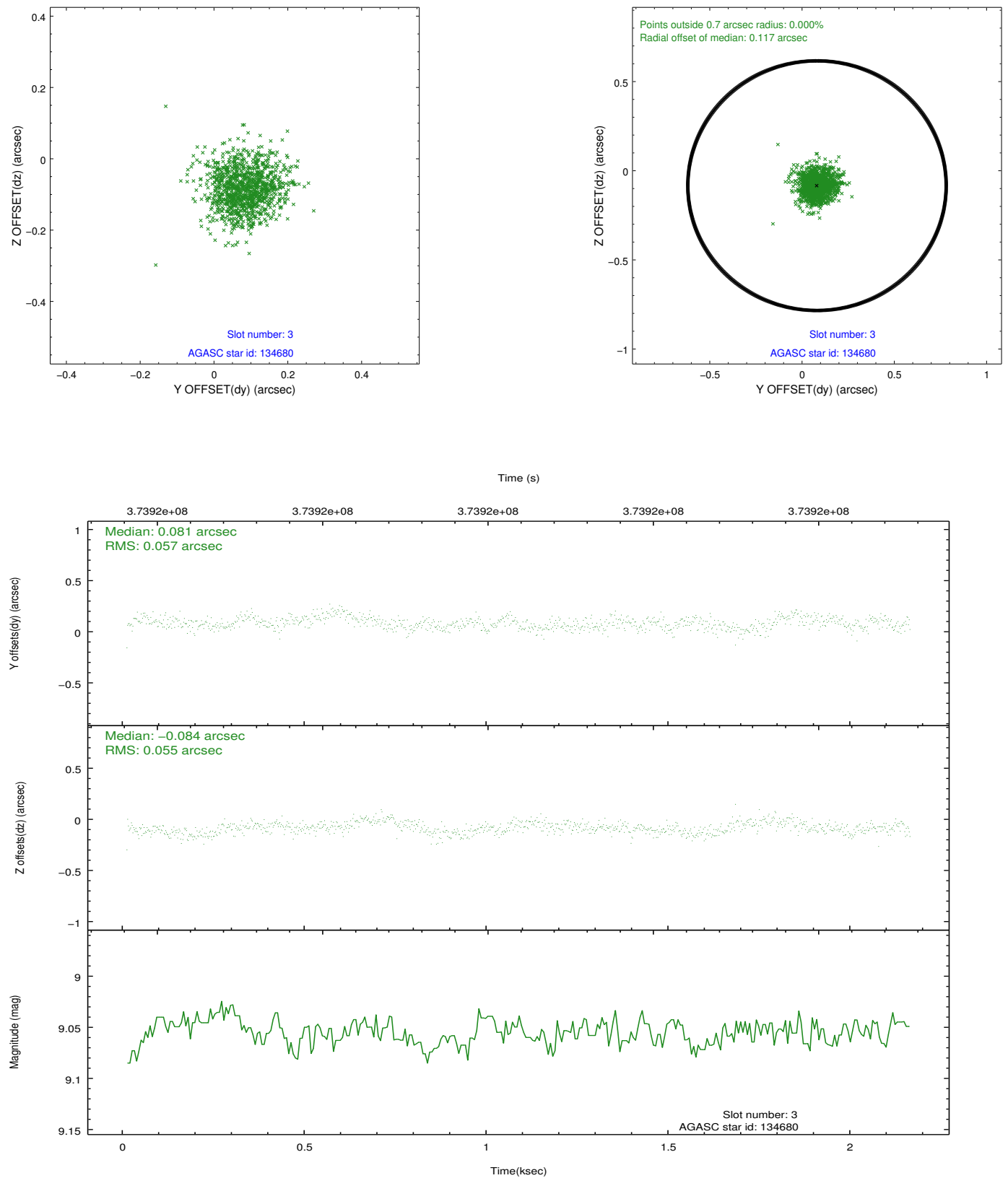
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	525	0.003	-0.007	0.006	0.010	0.000000	0.000000	-766.13	-1737.71
1	FID	ACIS-S-5	7.00	526	-0.093	-0.002	0.006	0.010	0.000000	0.000000	-1820.75	161.12
2	FID	ACIS-S-6	7.09	525	0.065	0.017	0.006	0.010	0.000000	0.000000	392.22	808.50
3	GUIDE	134680	9.05	1051	0.081	-0.084	0.083	0.138	0.365086	0.301584	2011.74	2062.99
4	GUIDE	139192	7.79	1051	-0.042	-0.019	0.059	0.102	0.162932	0.222932	1992.86	1284.71
5	GUIDE	140408	9.38	1049	0.171	0.038	0.097	0.152	0.115566	0.205058	1985.81	1101.90
6	GUIDE	132624	9.21	1049	-0.172	0.023	0.101	0.163	0.026656	1.331953	-1878.49	2377.63
7	GUIDE	133176	8.83	1050	-0.049	0.037	0.087	0.141	0.143410	1.066215	-837.26	2395.87

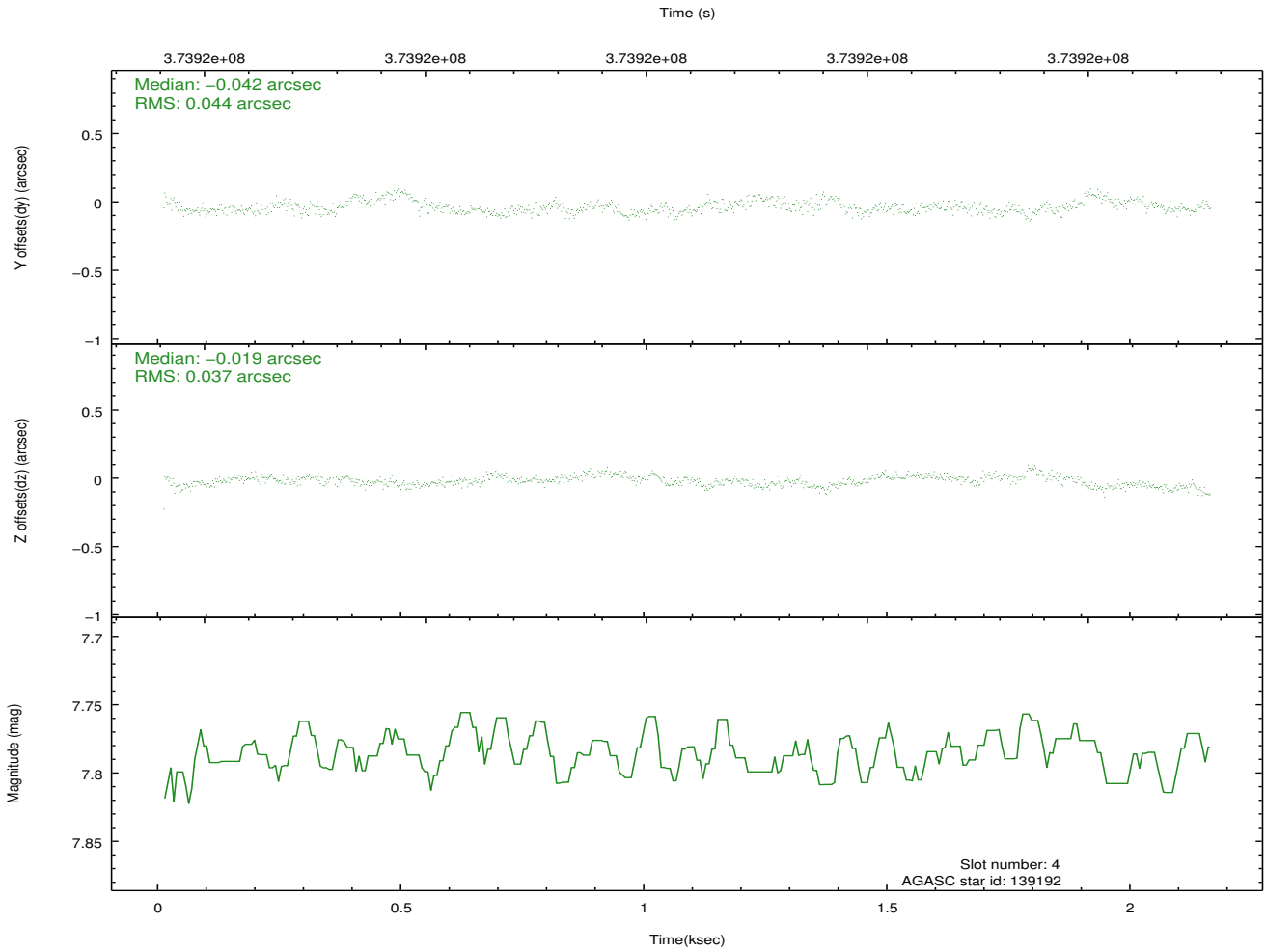
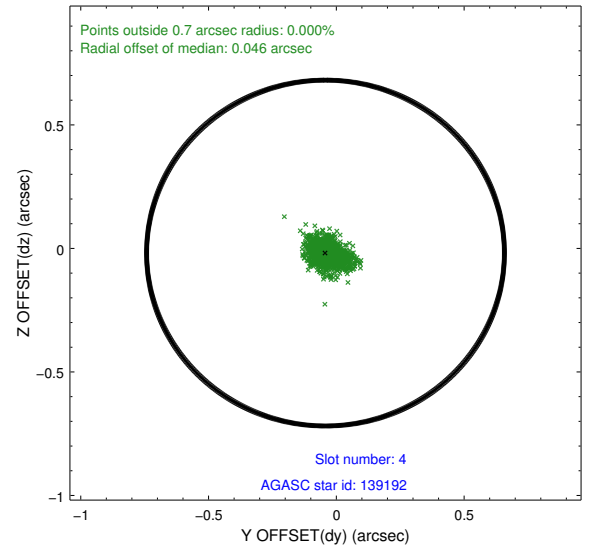
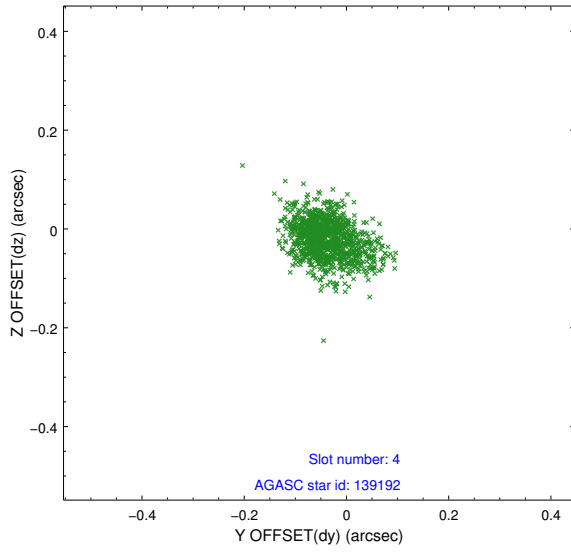


## 2.4 Star Slots

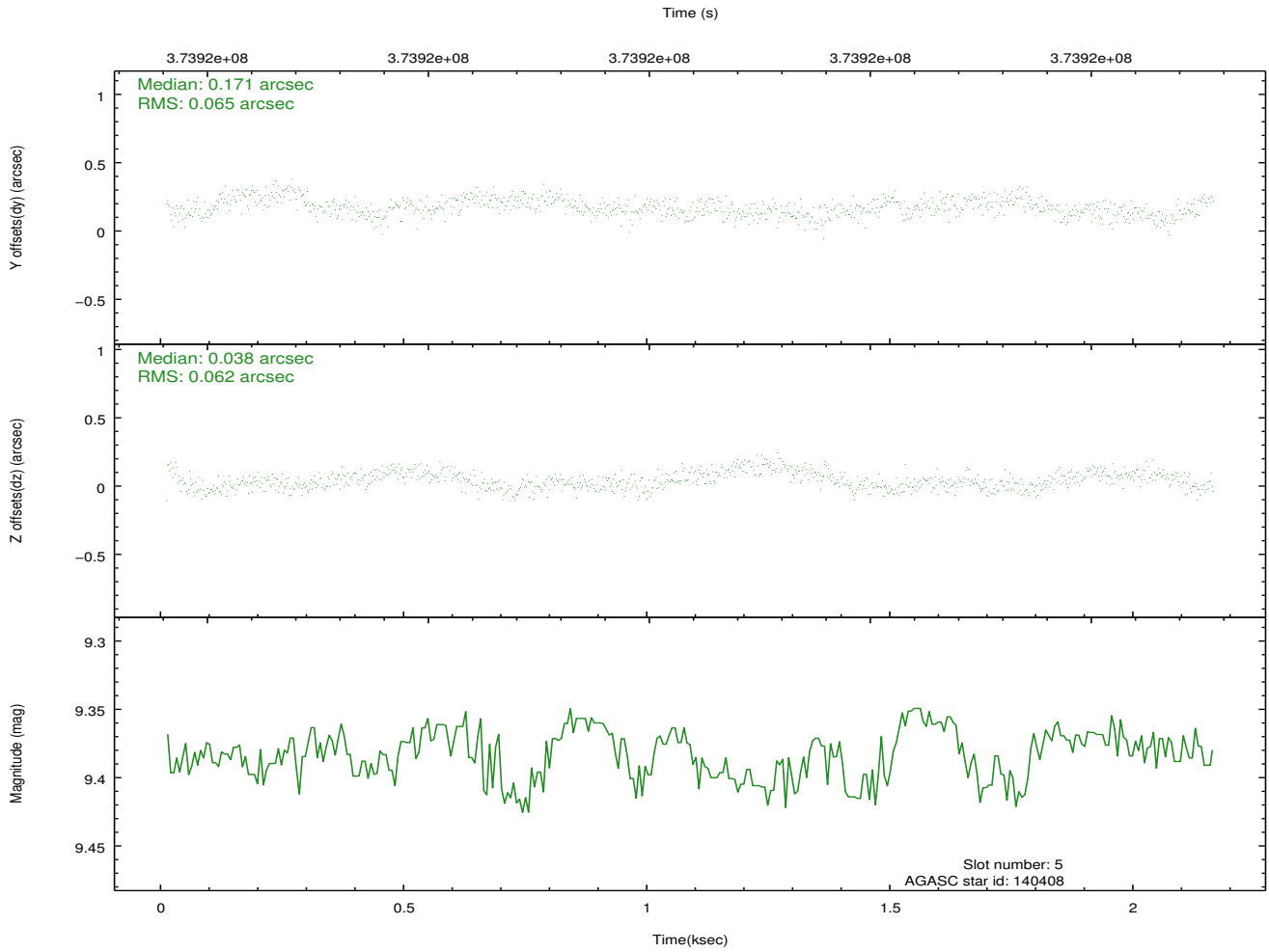
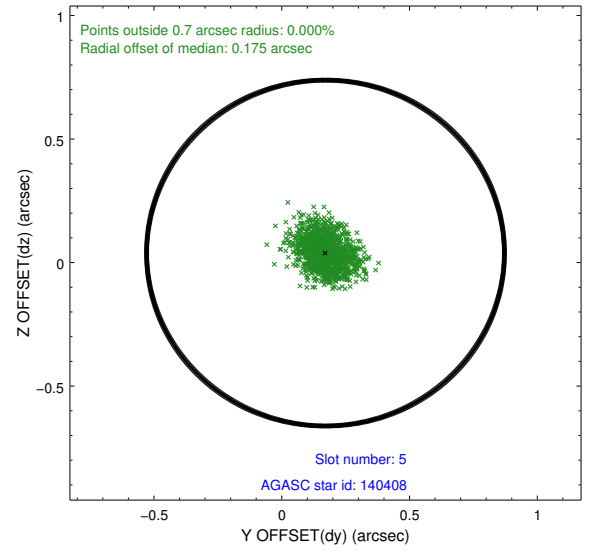
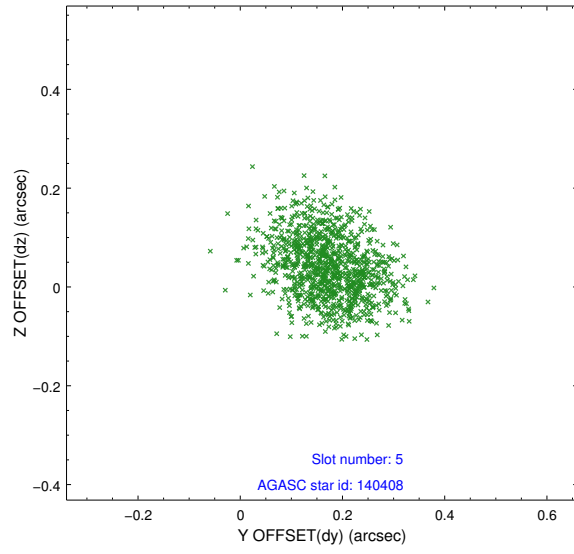
### 2.4.1 Slot 3



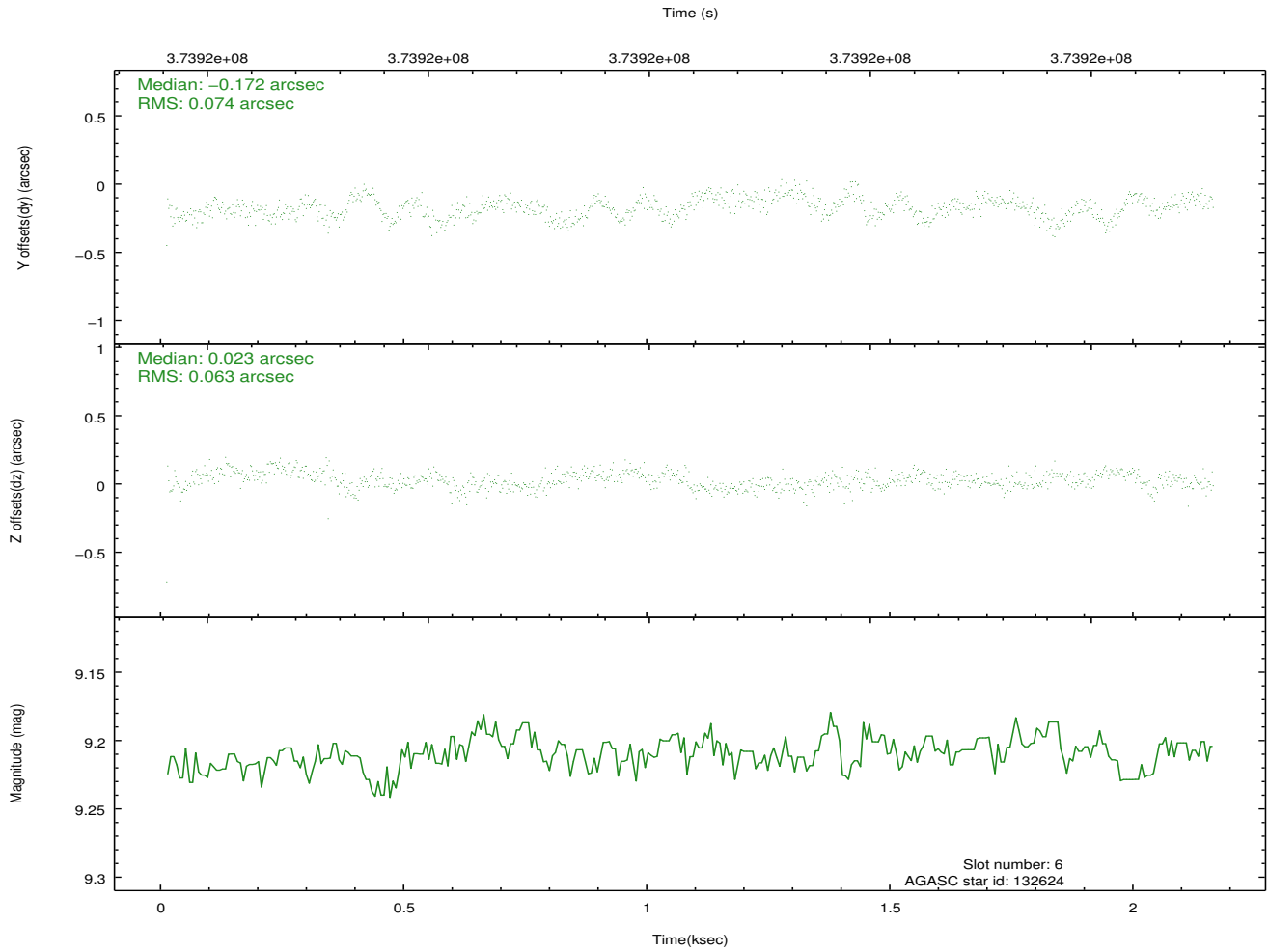
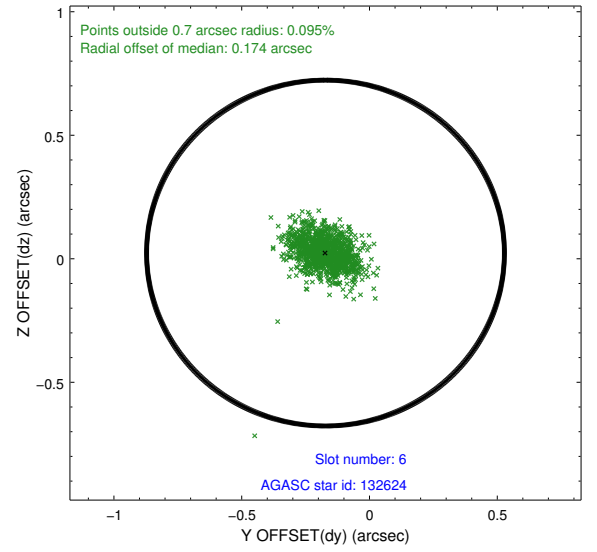
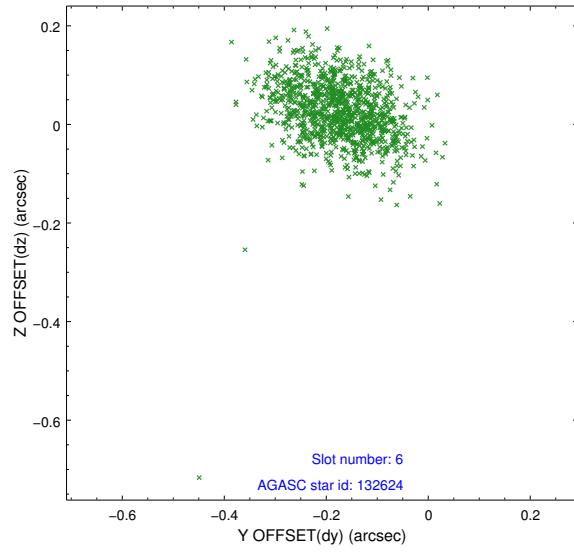
## 2.4.2 Slot 4



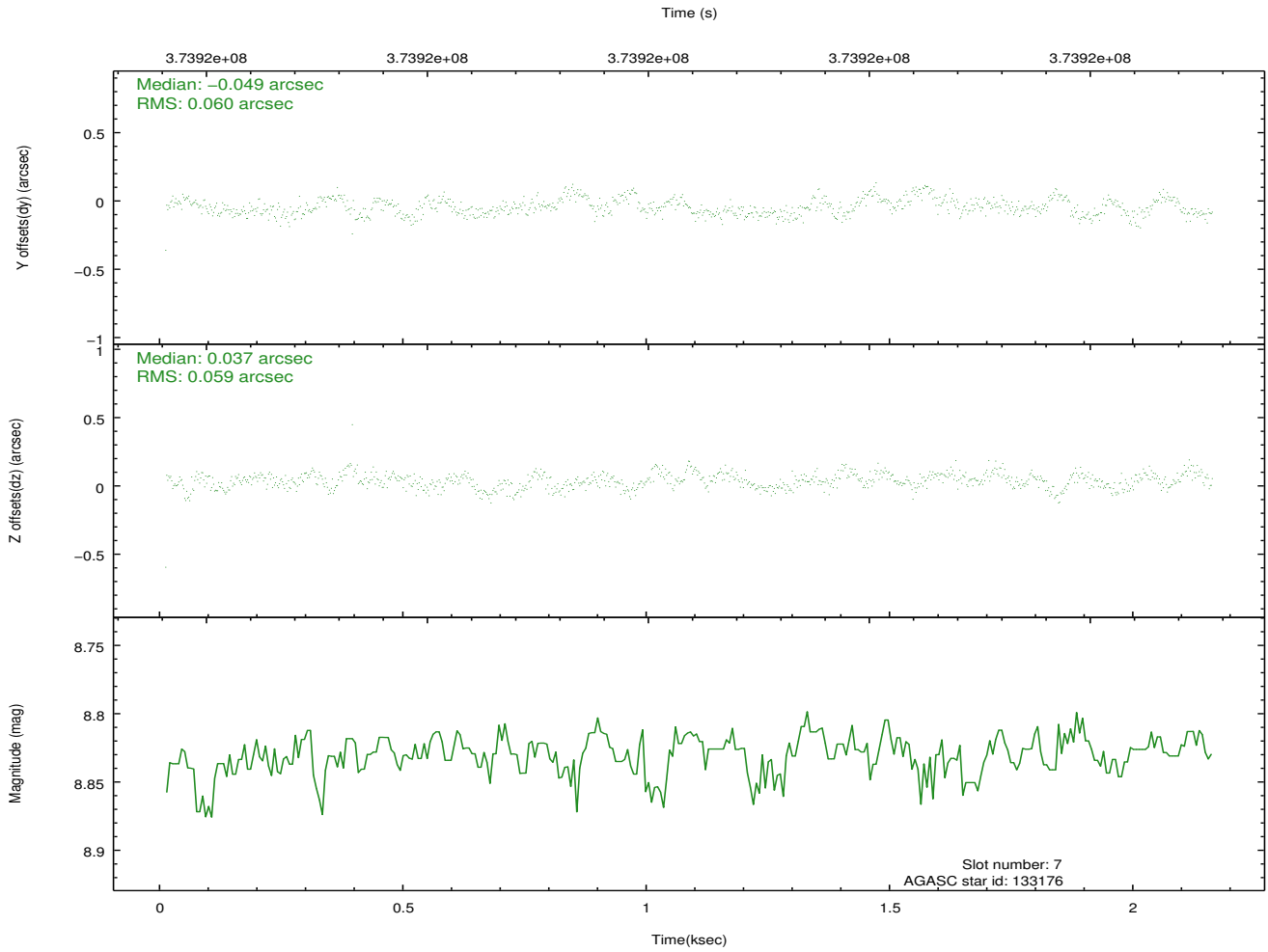
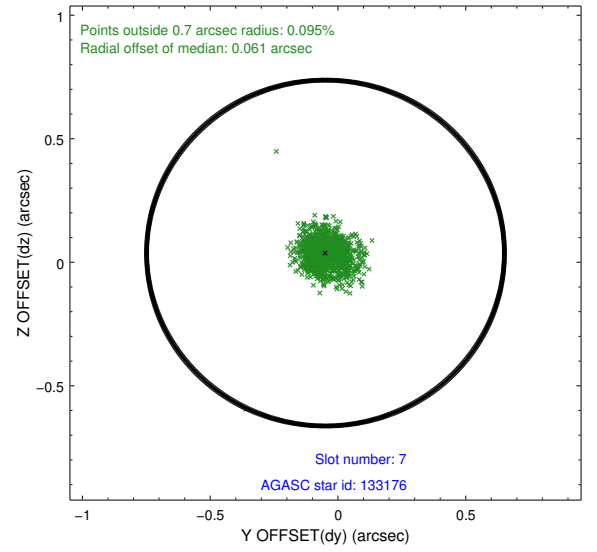
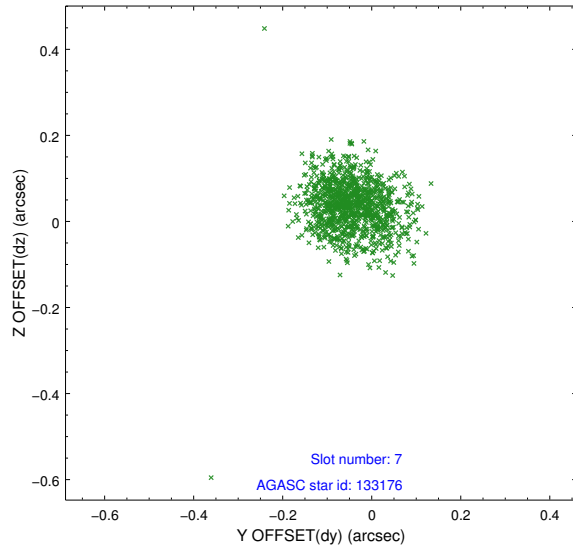
### 2.4.3 Slot 5



## 2.4.4 Slot 6

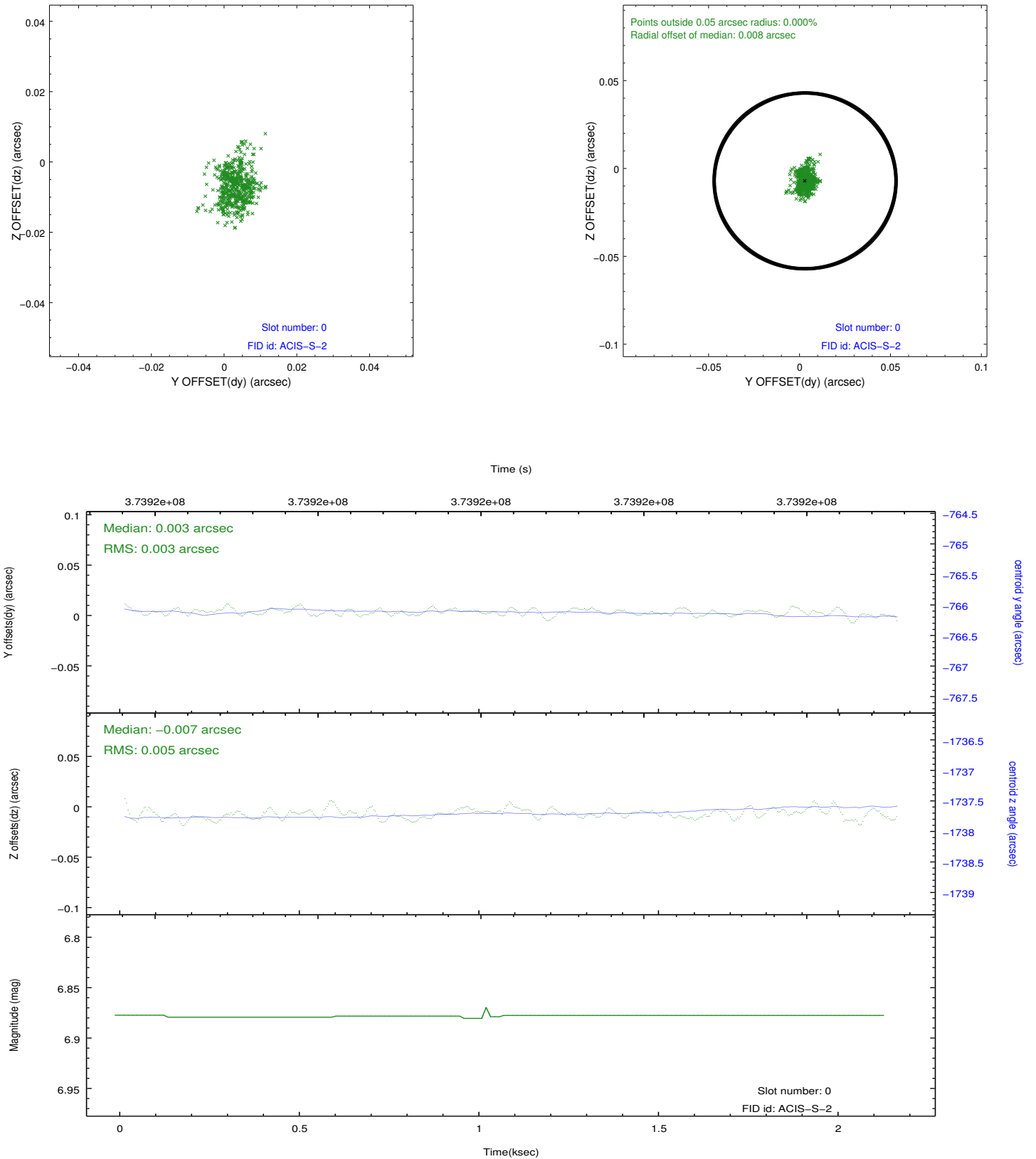


## 2.4.5 Slot 7

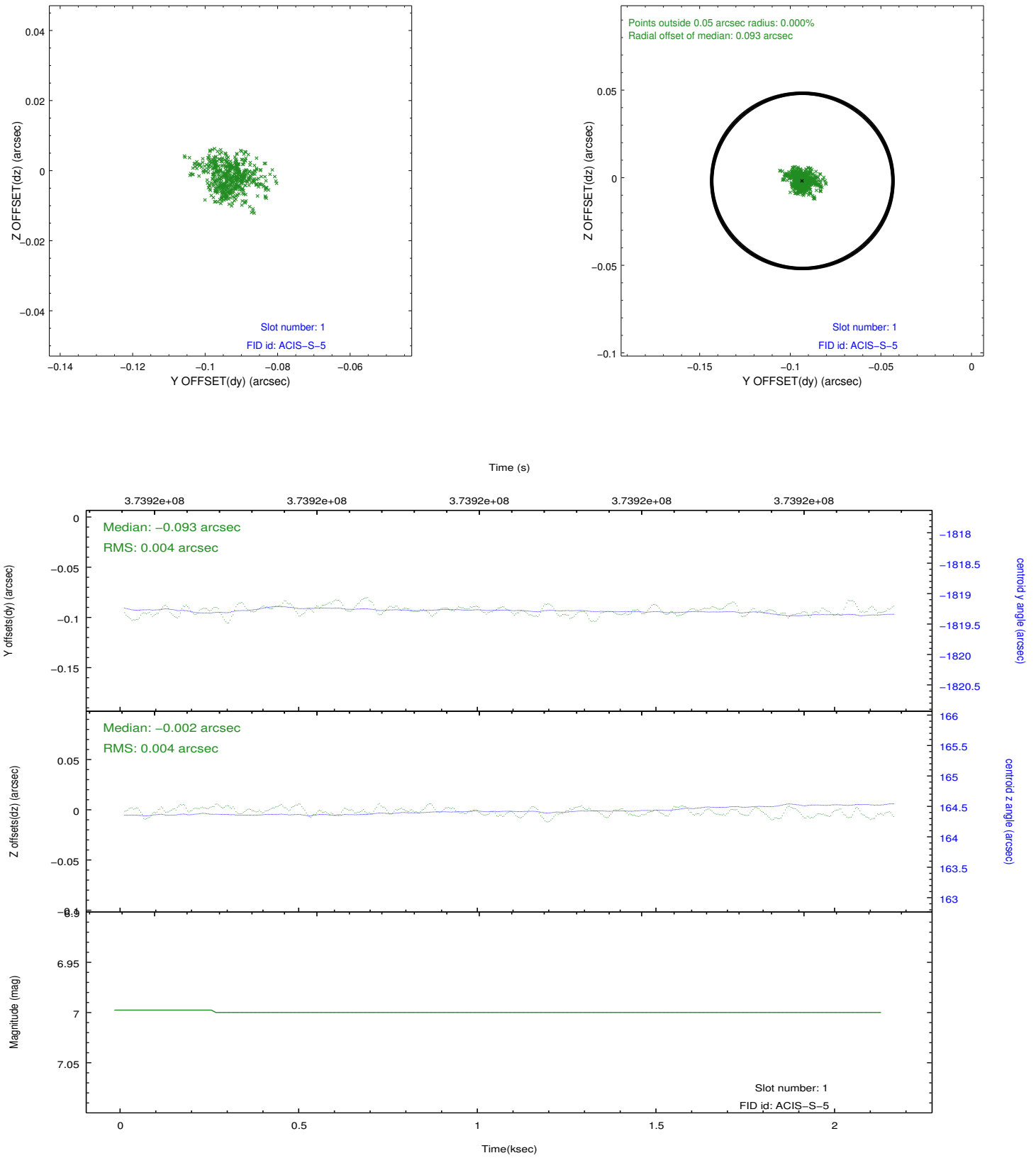


## 2.5 FID Slots

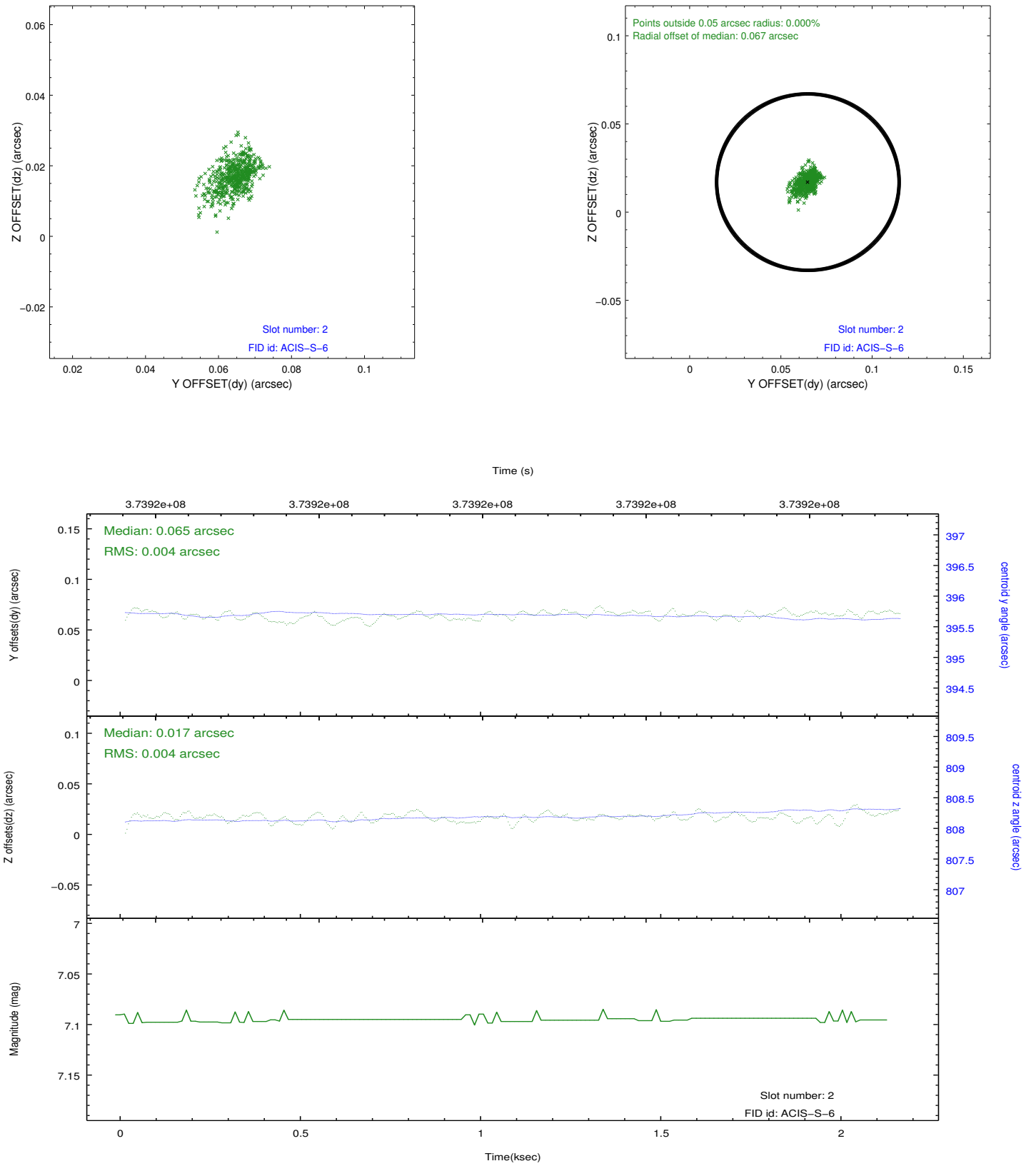
### 2.5.1 Slot 0



## 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)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1515998717546

### A.2 Comments

Joint proposal with HST.