

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11479 - L2 Version 2  
Chandra X-Ray Center

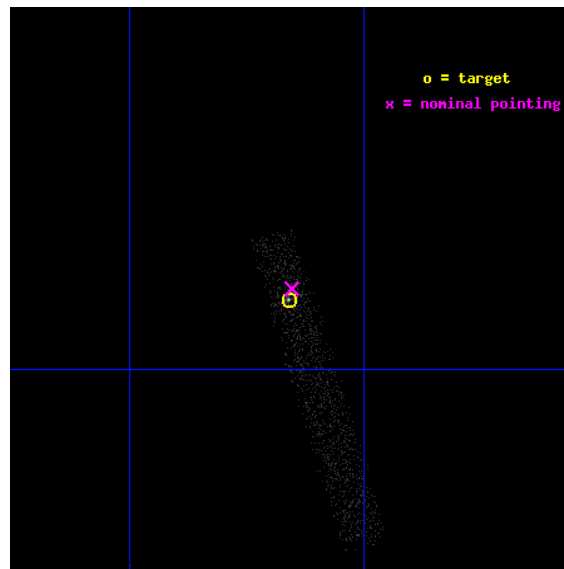
L2 Processing Date : Jun 20 2012

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# 1 Front

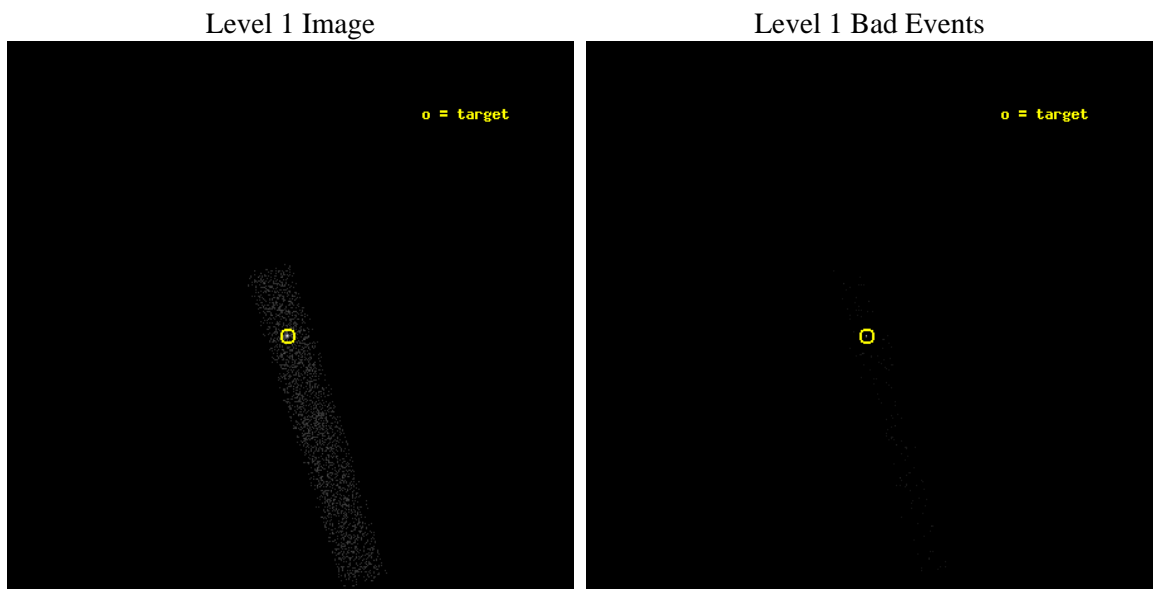
seq_num	702065	Sequence number
obs_id	11479	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J155909.62+350147.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	239.79	Observer's specified target RA [deg]
dec_targ	35.029833	Observer's specified target Dec [deg]
ra_nom	239.78849721612	Nominal RA [deg]
dec_nom	35.034550225128	Nominal Dec [deg]
roll_nom	72.702115854972	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2143.1998722553	Sum of GTIs [s]
livetime	1943.7691567707	Livetime [s]
ontime7	2143.1998722553	Sum of GTIs [s]
l2events	3404	Number of level 2 events



## 2 OBI

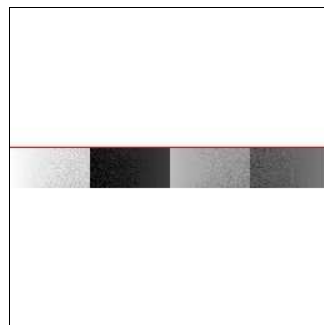
### 2.1 OBI

#### 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	2143.1998722553	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2143.1998722553	Sum of GTIs [s]
date	2012-06-21T00:27:47	Date and time of file creation	l1events	6571	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

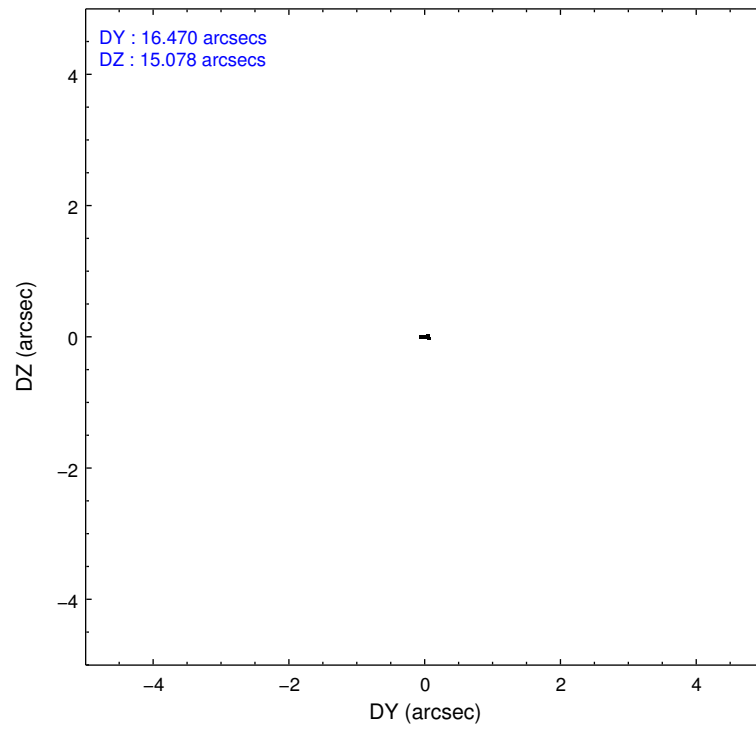
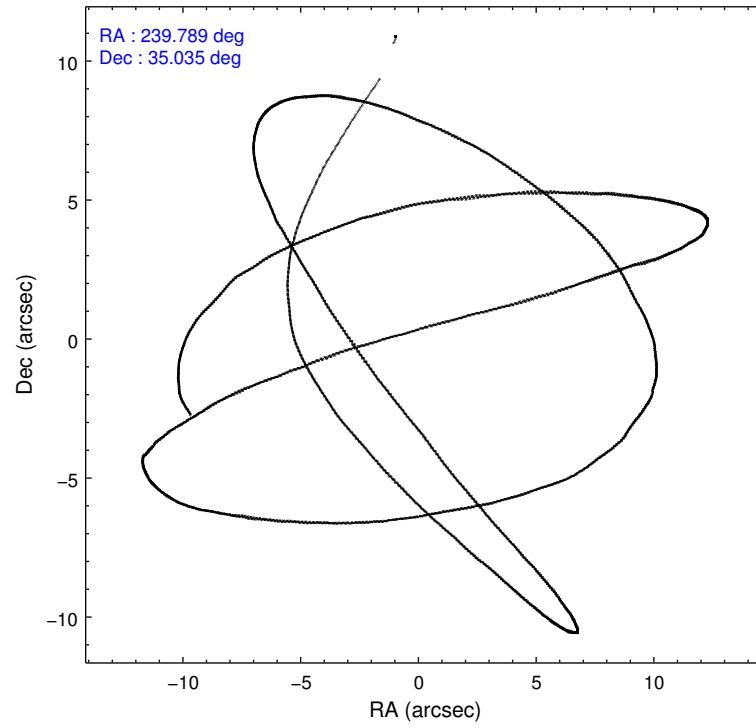
	<b>ccd 7</b>
level 1 events	6571
rejected events	3103
rejected %	47%

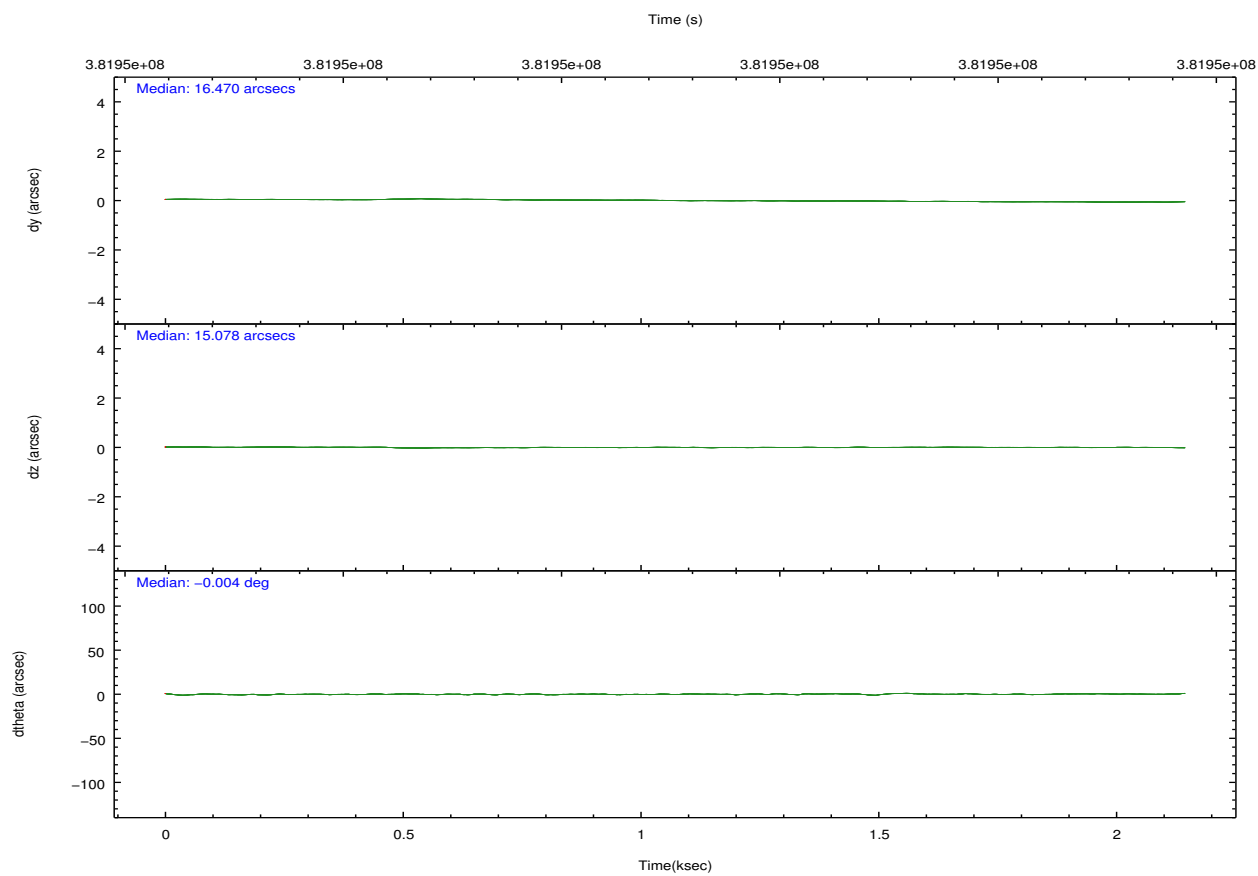
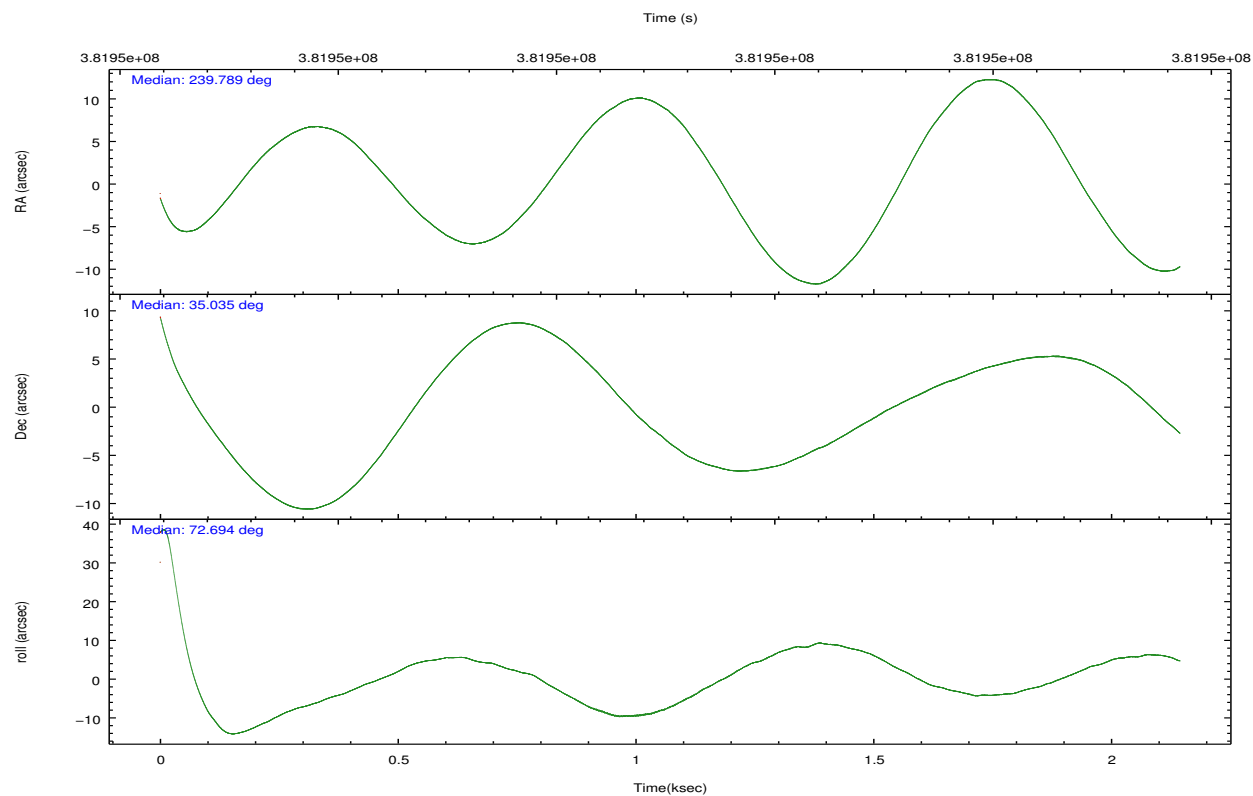
	<b>ccd 7</b>
grade 0 events	939
	14%
grade 1 events	37
	0%
grade 2 events	924
	14%
grade 3 events	565
	8%
grade 4 events	495
	7%
grade 5 events	523
	7%
grade 6 events	1340
	20%
grade 7 events	1748
	26%

## 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	239.796312	239.7884972161216	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	35.007945	35.03455022512839	Subarray start row	449	449
[deg] Pointing Roll	72.540671	72.70211585497202	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)	381946831.184000	381945746.56392			
Observation start date	2010-02-07T16:19:25	2010-02-07T16:02:26			
[s] Observation end time (MET)	381948831.184000	381949538.55162			
Observation end date	2010-02-07T16:52:45	2010-02-07T17:05:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect





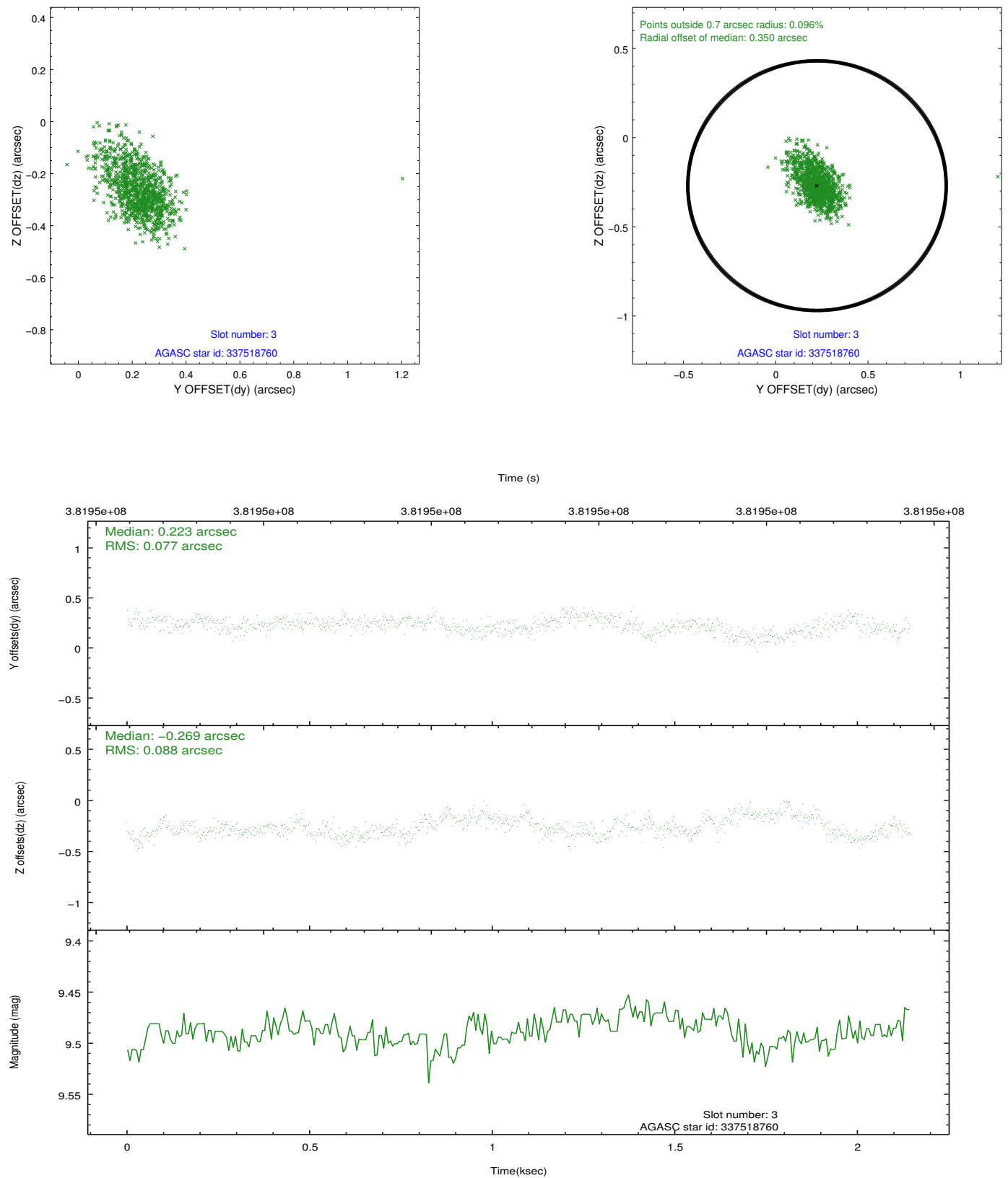
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	524	-0.096	-0.032	0.006	0.010	0.000000	0.000000	-769.56	-1736.45
1	FID	ACIS-S-4	7.00	524	0.191	0.055	0.005	0.010	0.000000	0.000000	2142.59	169.00
2	FID	ACIS-S-5	7.03	523	-0.127	-0.014	0.006	0.012	0.000000	0.000000	-1818.56	166.02
3	GUIDE	337518760	9.49	1044	0.223	-0.269	0.119	0.202	239.097692	34.771349	-1425.41	1717.03
4	GUIDE	337647632	9.07	1047	0.095	0.272	0.125	0.193	240.451163	34.861764	83.73	-1998.94
5	GUIDE	338042936	10.17	1038	-0.498	-0.210	0.152	0.246	240.354466	35.152380	993.17	-1411.70
6	GUIDE	338048776	10.30	1045	0.079	0.062	0.194	0.306	240.361563	35.078109	746.29	-1513.01
7	GUIDE	338047576	9.64	1043	0.101	0.139	0.130	0.218	240.795605	35.352112	2077.60	-2423.74

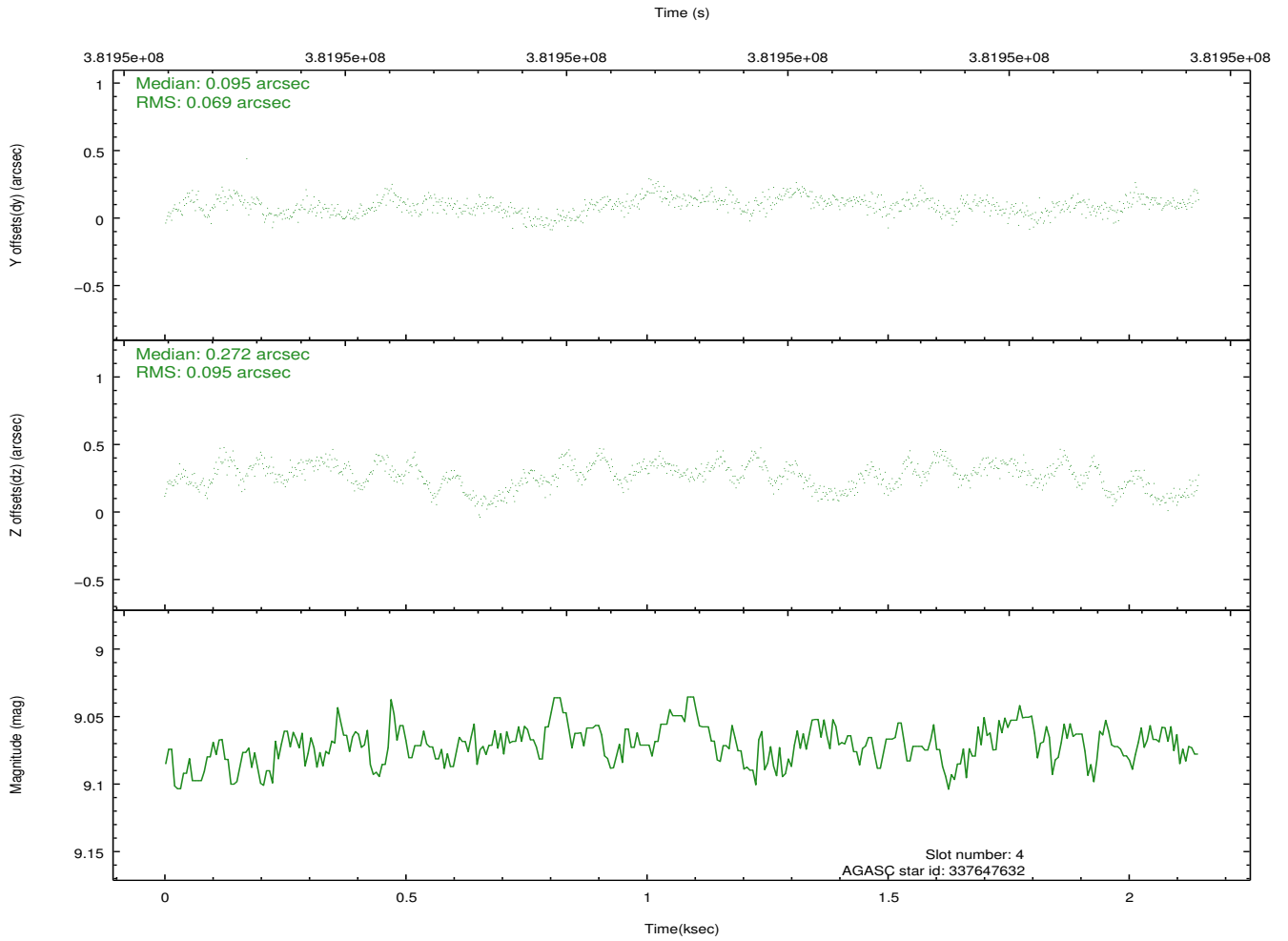
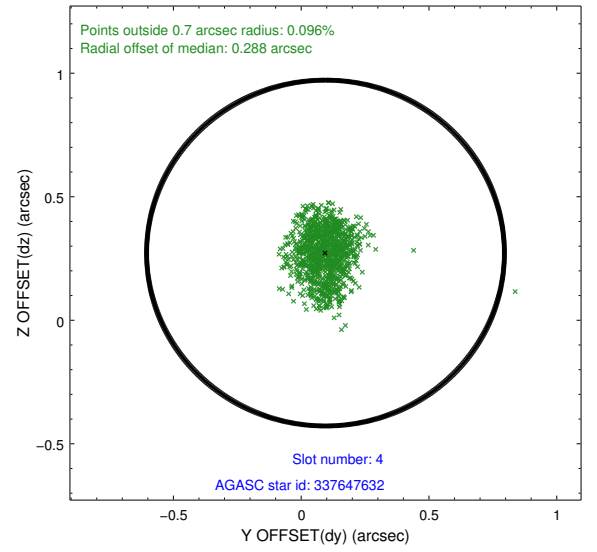
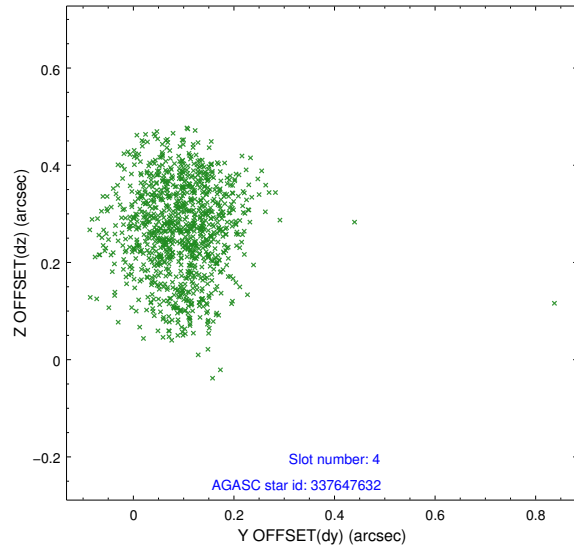


## 2.4 Star Slots

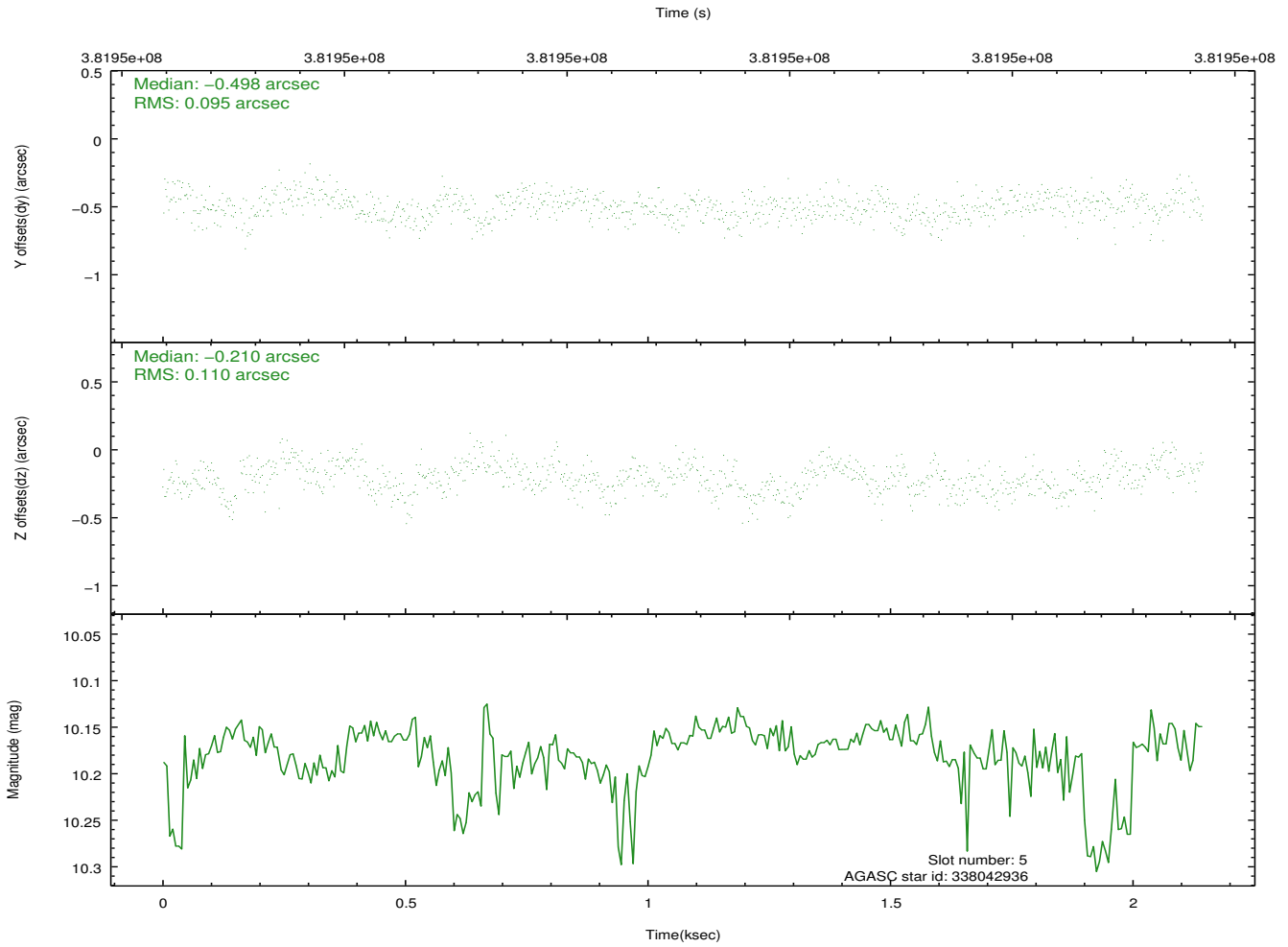
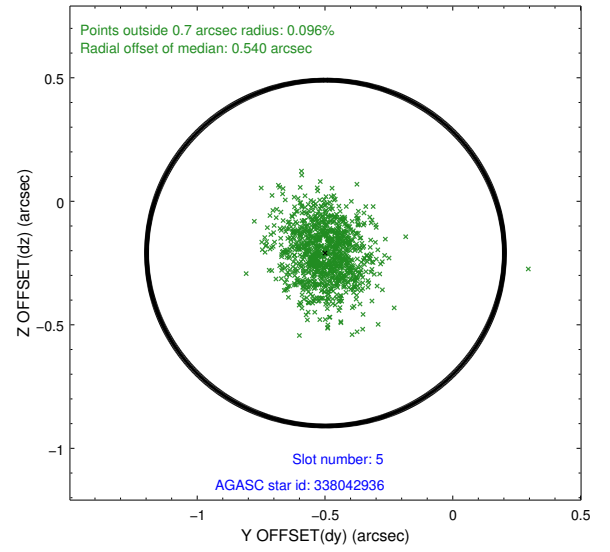
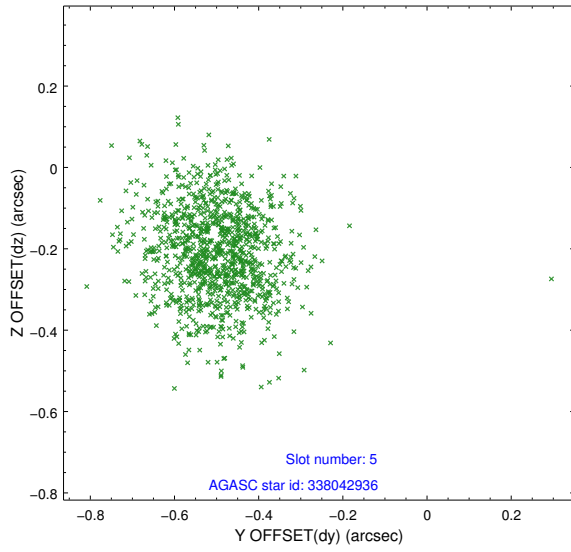
### 2.4.1 Slot 3



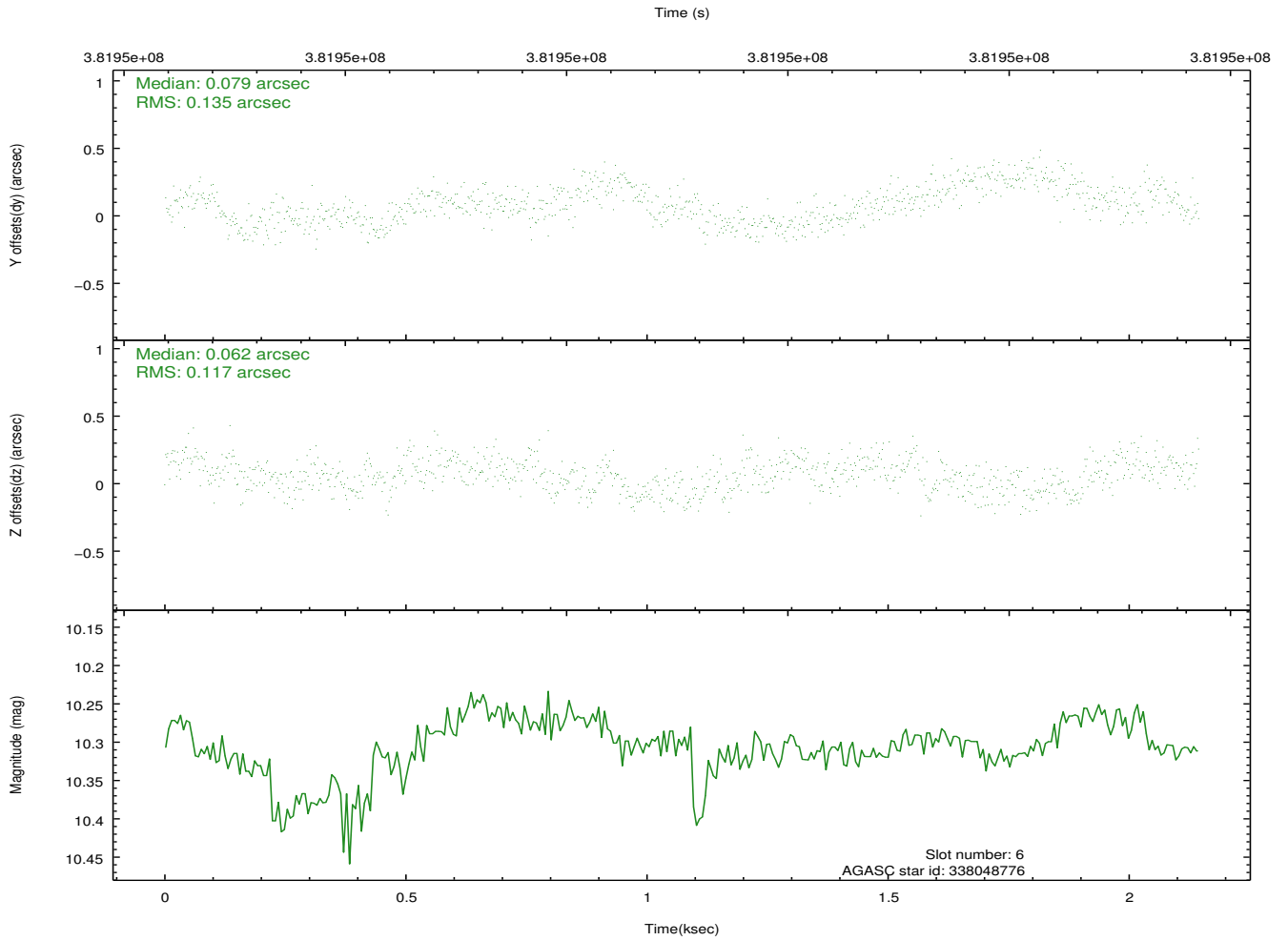
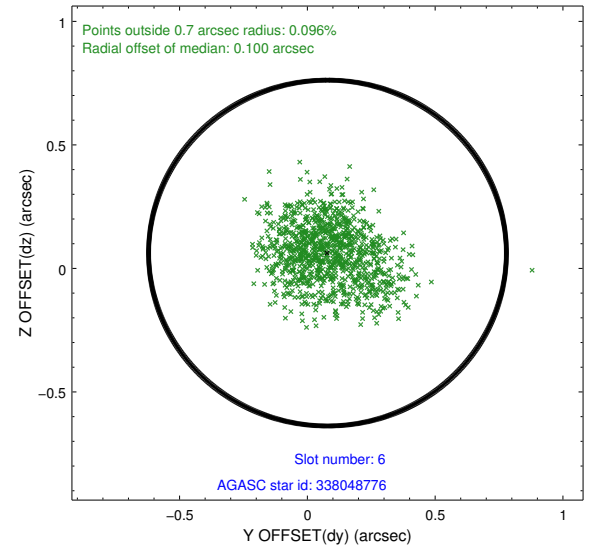
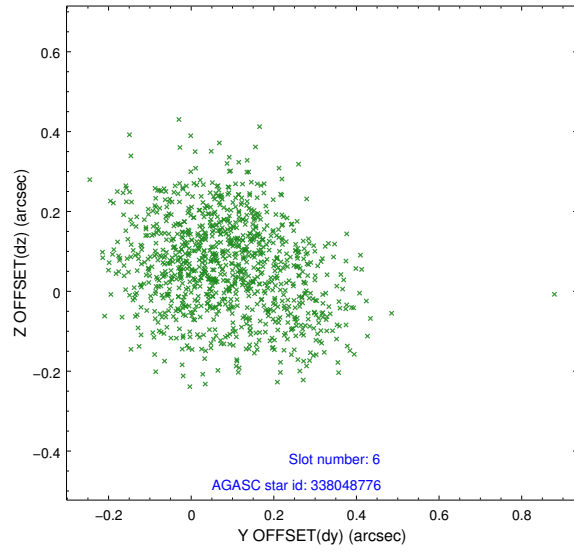
## 2.4.2 Slot 4



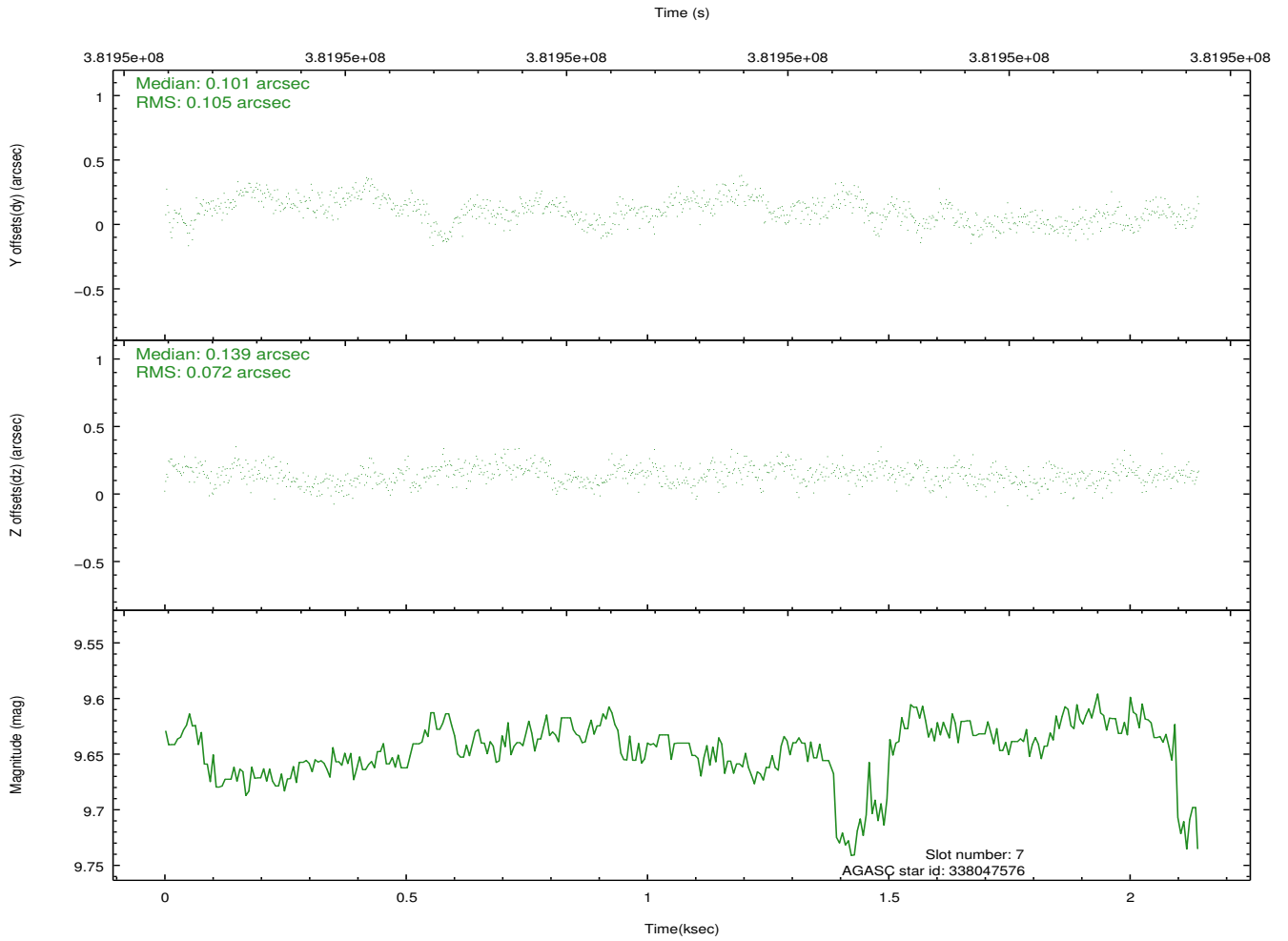
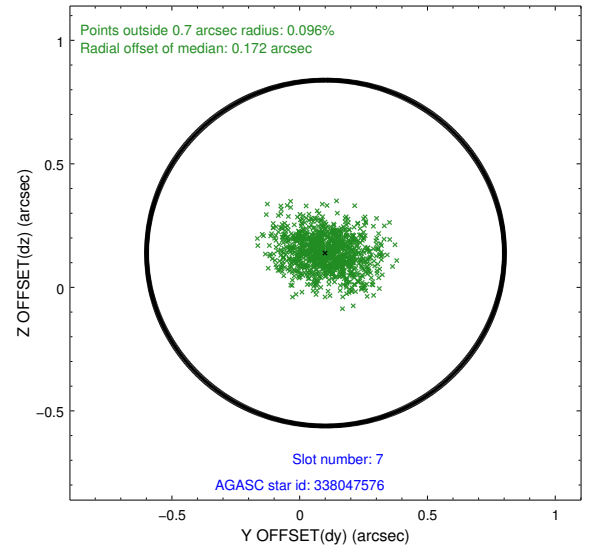
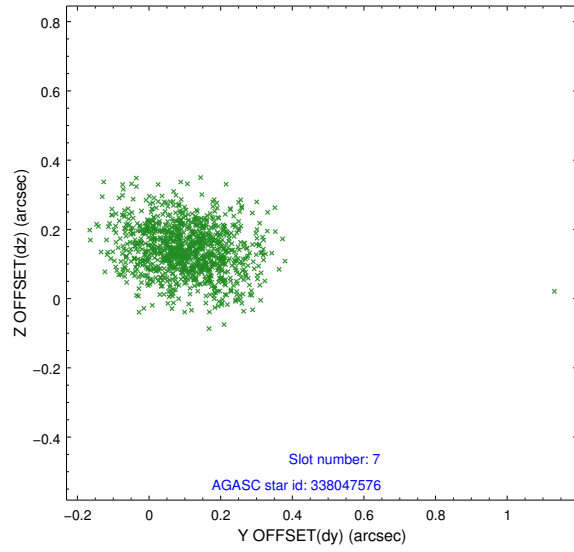
### 2.4.3 Slot 5



## 2.4.4 Slot 6

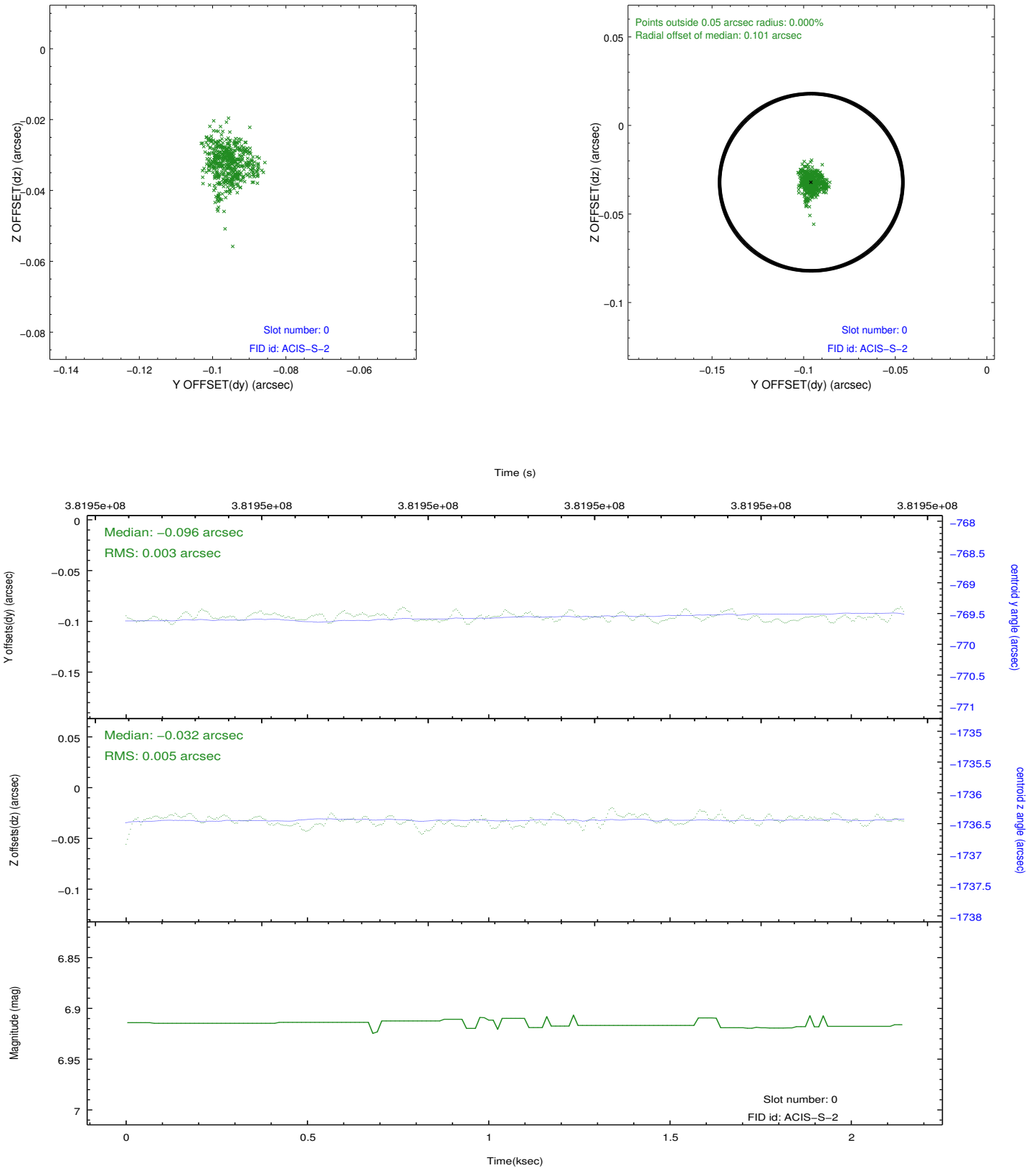


## 2.4.5 Slot 7

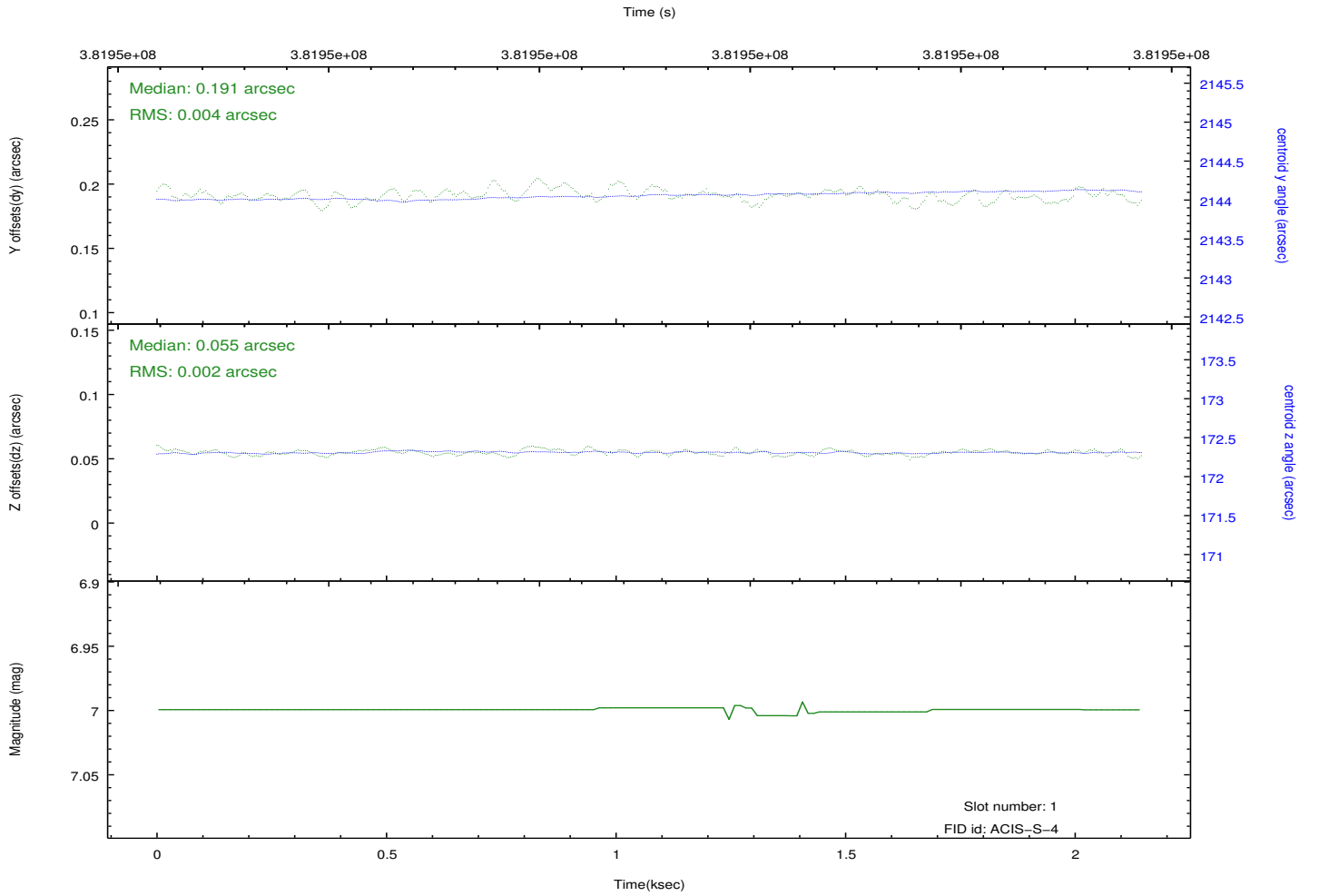
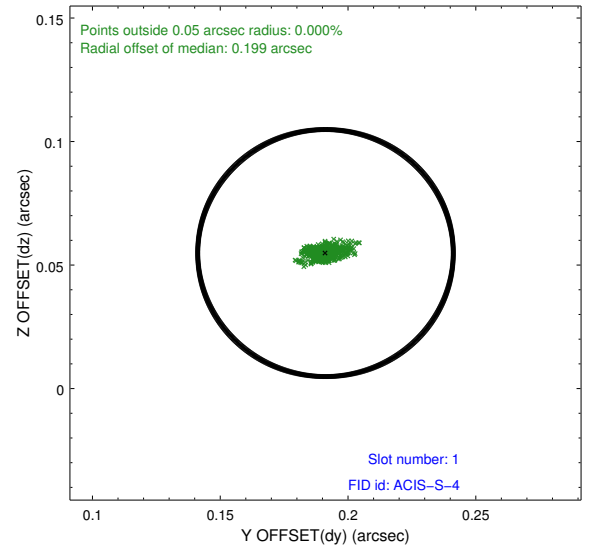
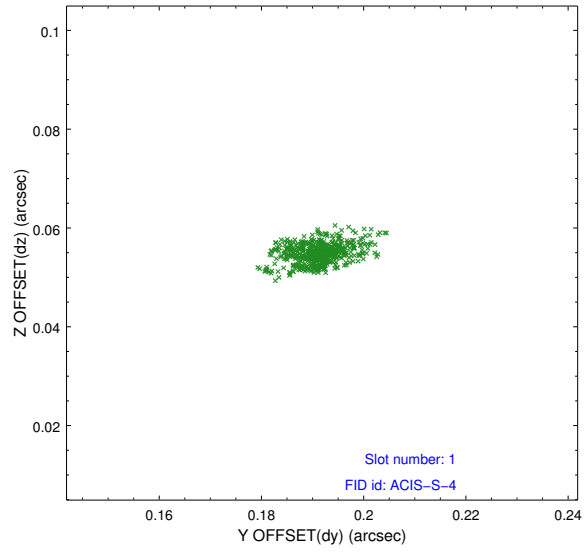


## 2.5 FID Slots

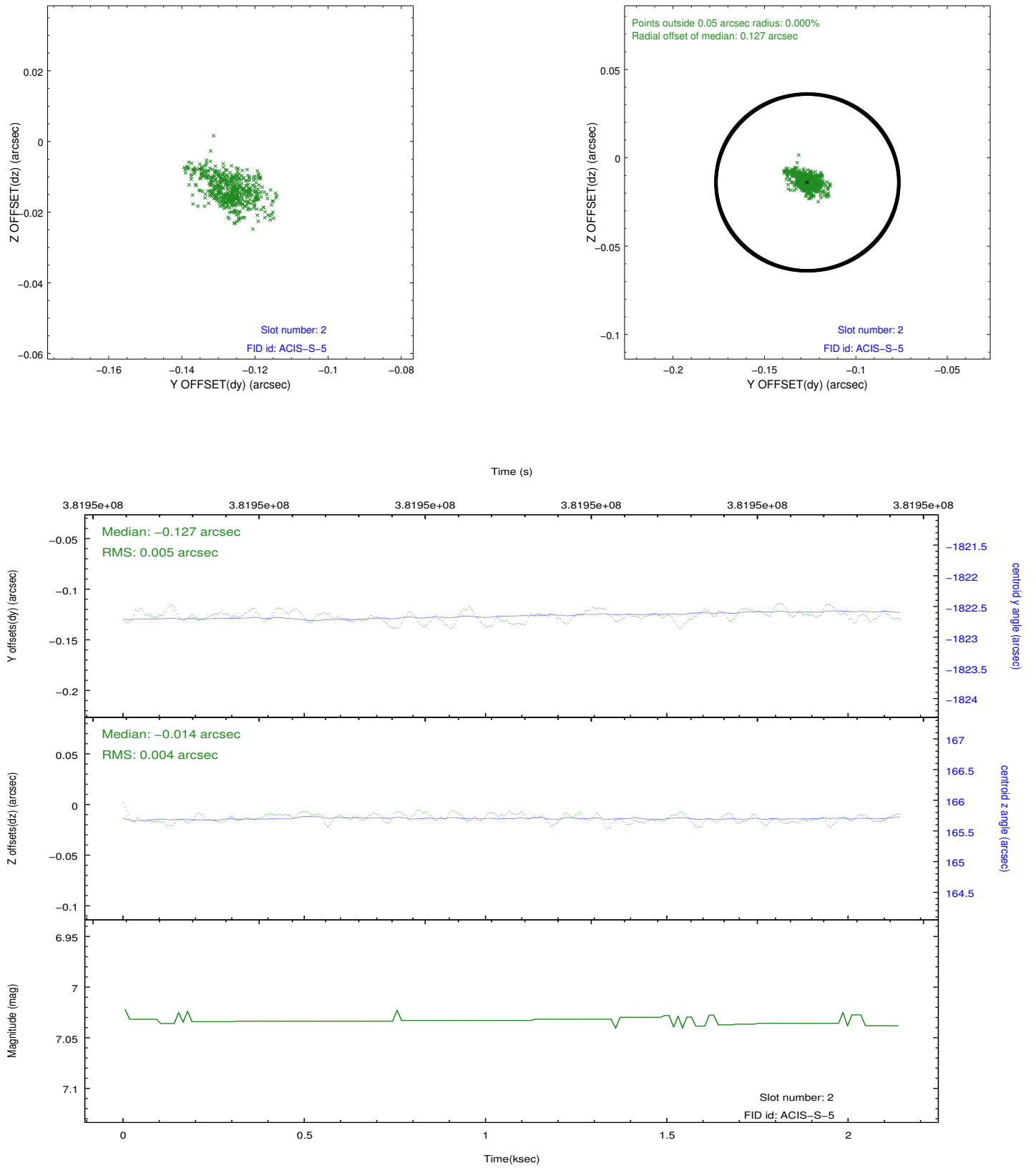
### 2.5.1 Slot 0



## 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)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1431998722553

### A.2 Comments