

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7735 - L2 Version 2  
Chandra X-Ray Center

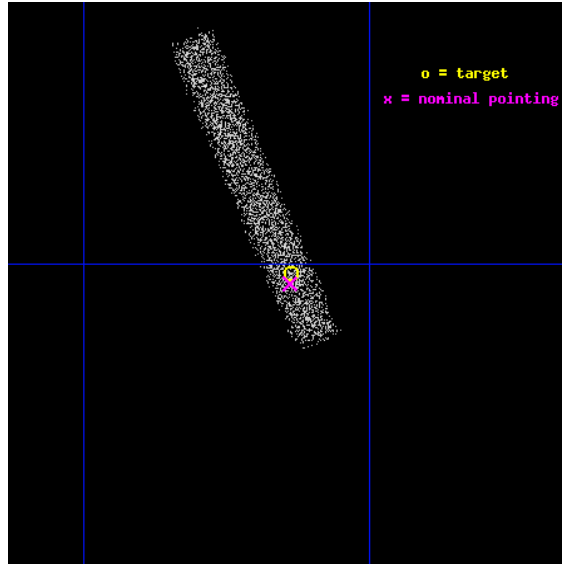
L2 Processing Date : Apr 27 2012

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# 1 Front

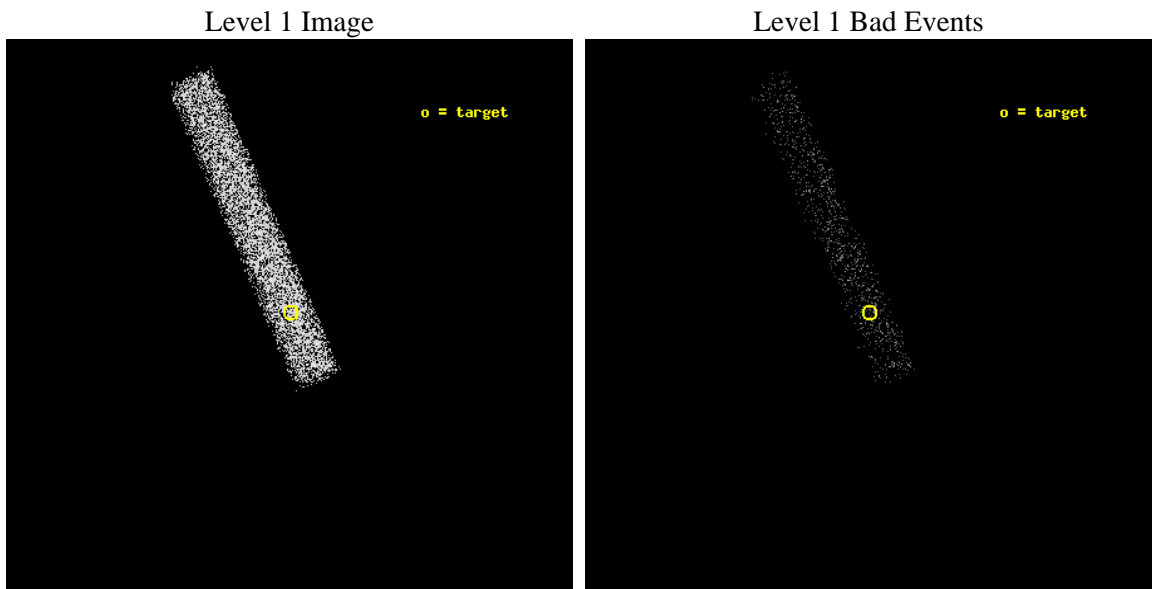
seq_num	701403	Sequence number
obs_id	7735	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes: Part II	&#160
observer	Dr. Luis Ho	Principal investigator
object	SDSS J115138.24+004946.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	177.909167	Observer's specified target RA [deg]
dec_targ	0.829556	Observer's specified target Dec [deg]
ra_nom	177.90991976749	Nominal RA [deg]
dec_nom	0.82482006527511	Nominal Dec [deg]
roll_nom	246.76003880999	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5177.599691391	Sum of GTIs [s]
livetime	4695.8096239715	Livetime [s]
ontime7	5177.599691391	Sum of GTIs [s]
l2events	4220	Number of level 2 events



## 2 OBI

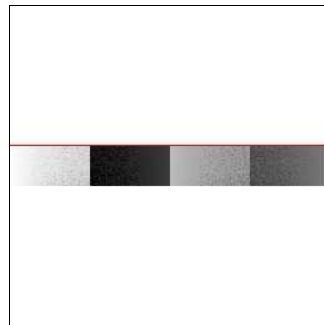
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5177.599691391	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	5177.599691391	Sum of GTIs [s]
date	2012-04-27T14:20:31	Date and time of file creation	l1events	11155	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

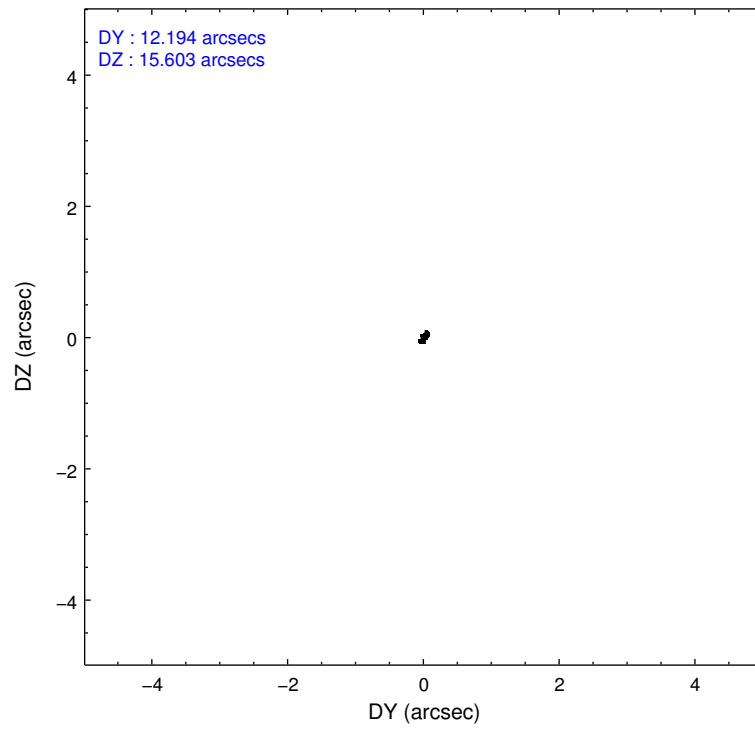
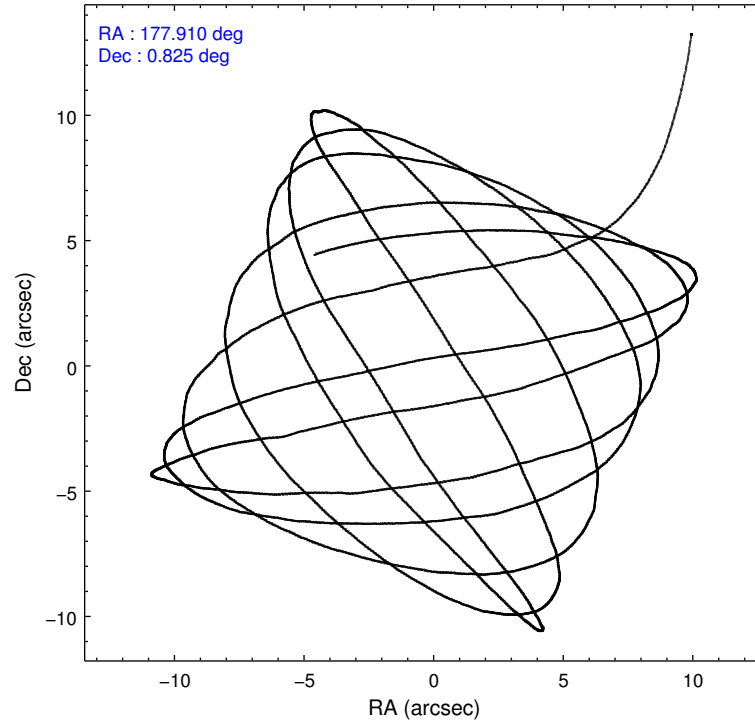
	<b>ccd 7</b>
level 1 events	11155
rejected events	6762
rejected %	60%

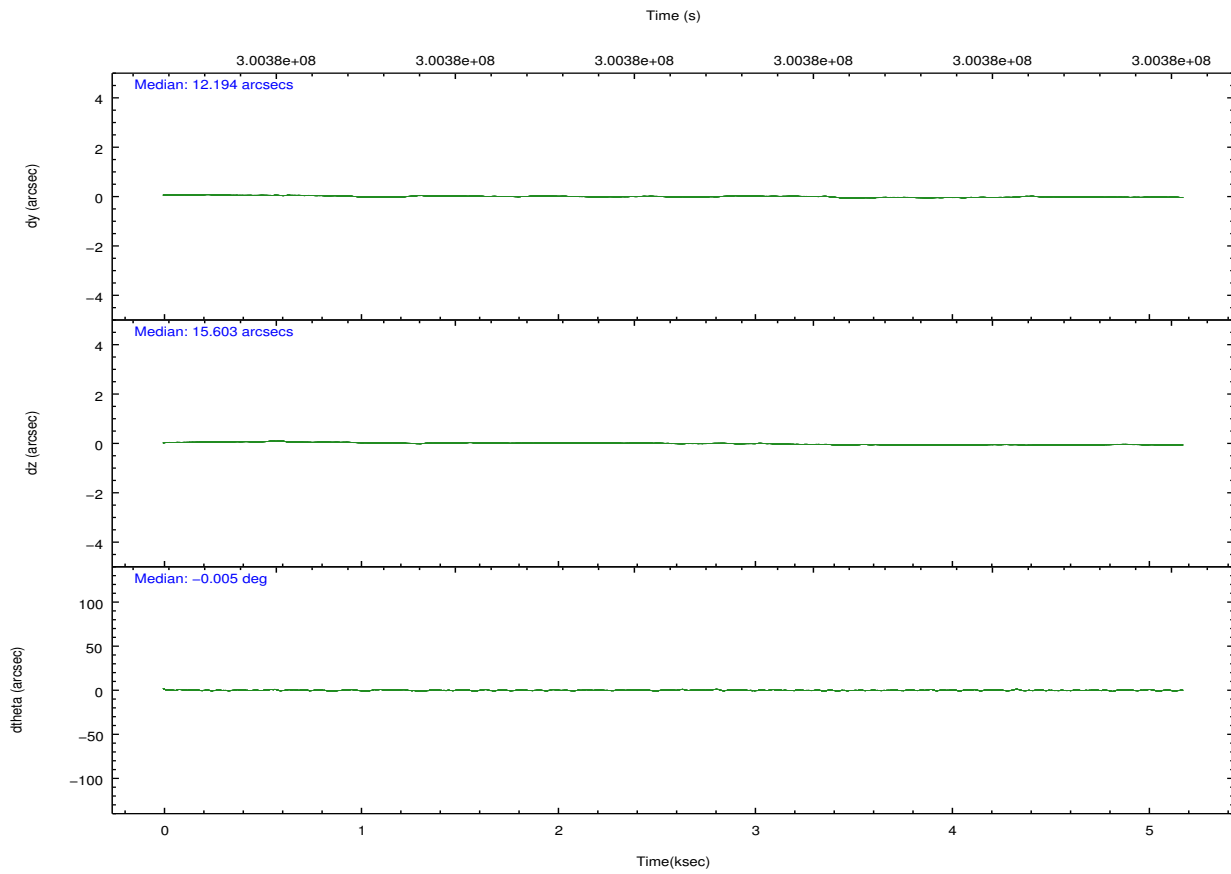
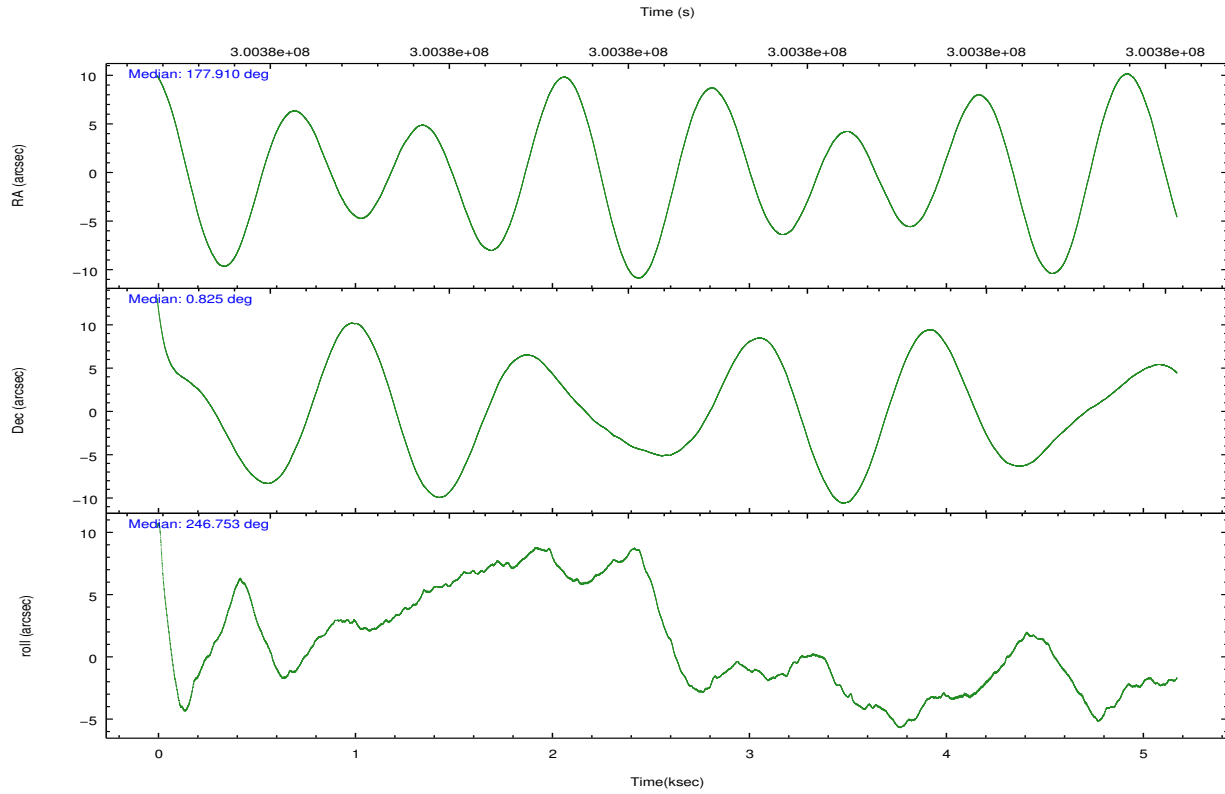
	<b>ccd 7</b>
grade 0 events	560
	5%
grade 1 events	18
	0%
grade 2 events	938
	8%
grade 3 events	699
	6%
grade 4 events	652
	5%
grade 5 events	1057
	9%
grade 6 events	2387
	21%
grade 7 events	4844
	43%

## 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	177.906284	177.9099197674939	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.851865	0.824820065275107	Subarray start row	449	449
[deg] Pointing Roll	246.603445	246.7600388099945	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	300378795.184000	300377623.44786			
Observation start date	2007-07-09T14:32:10	2007-07-09T14:13:43			
[s] Observation end time (MET)	300383795.184000	300384733.3607			
Observation end date	2007-07-09T15:55:30	2007-07-09T16:12:13			
Read mode	TIMED	TIMED			

## 2.3 Aspect



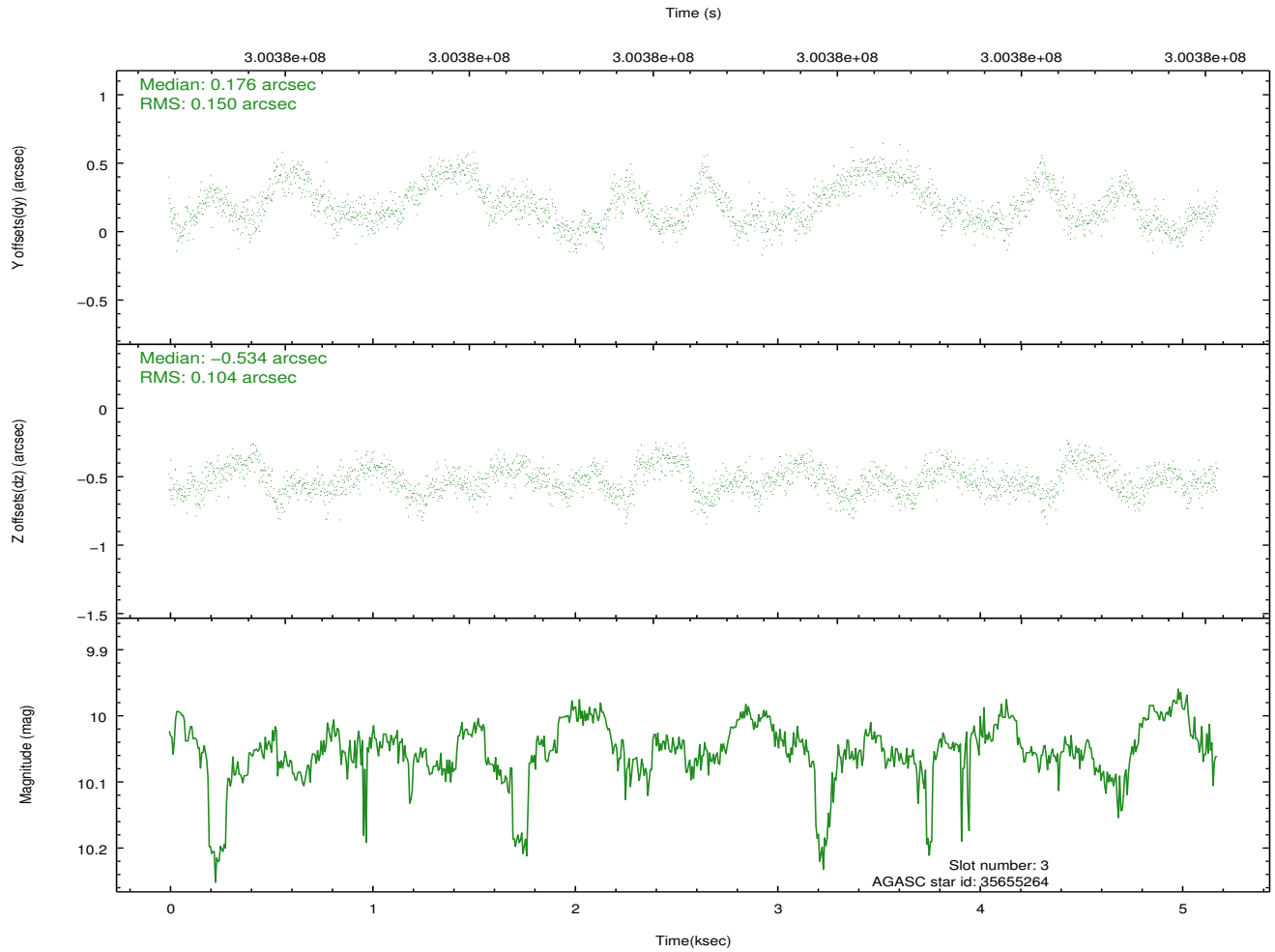
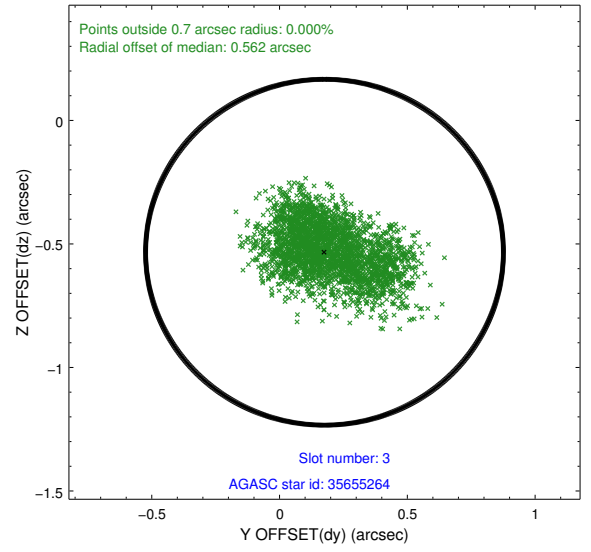
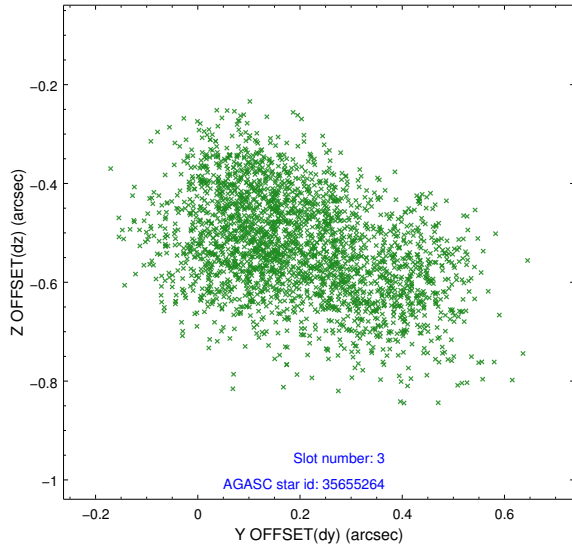


### Slot Statistics

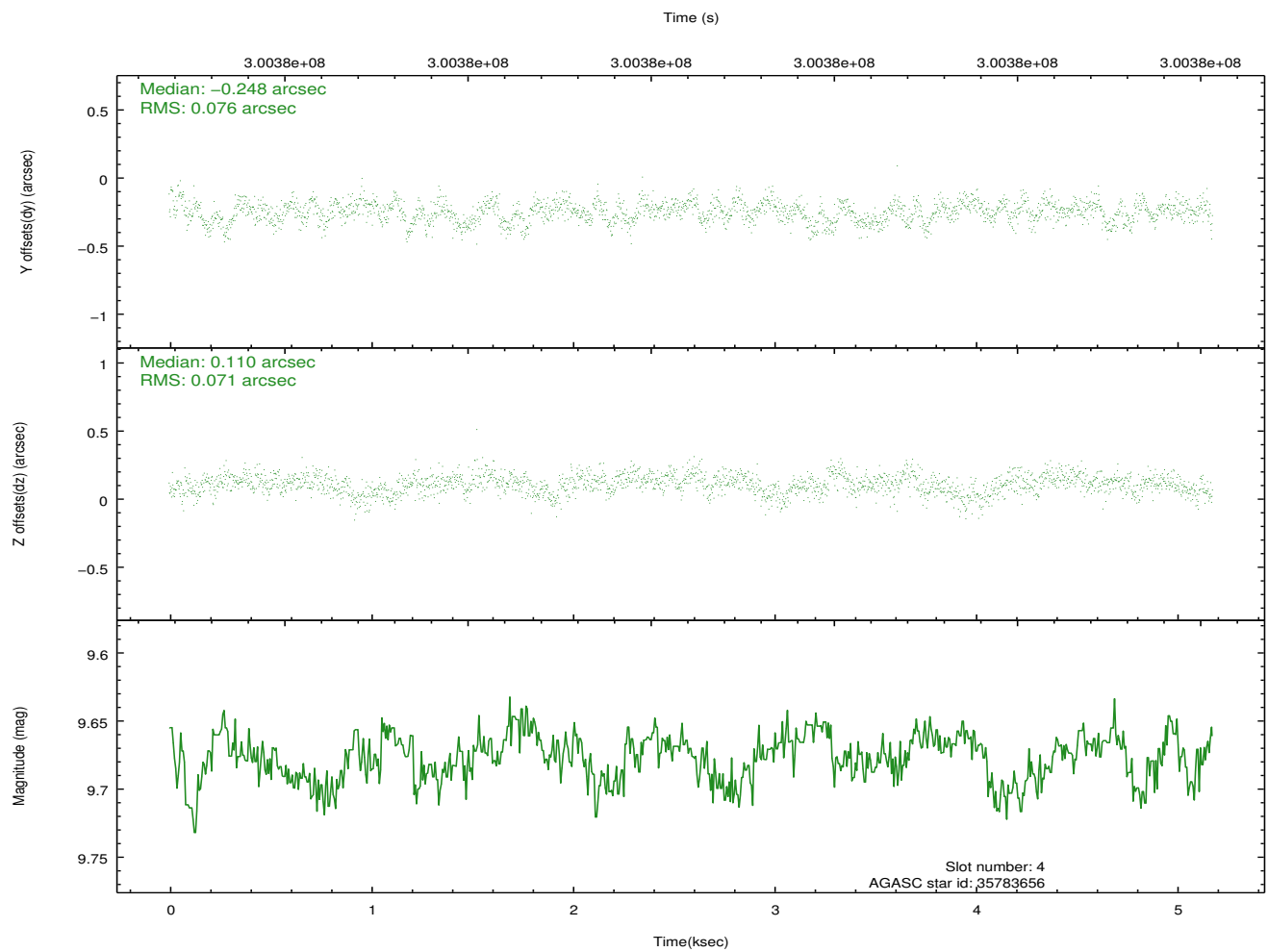
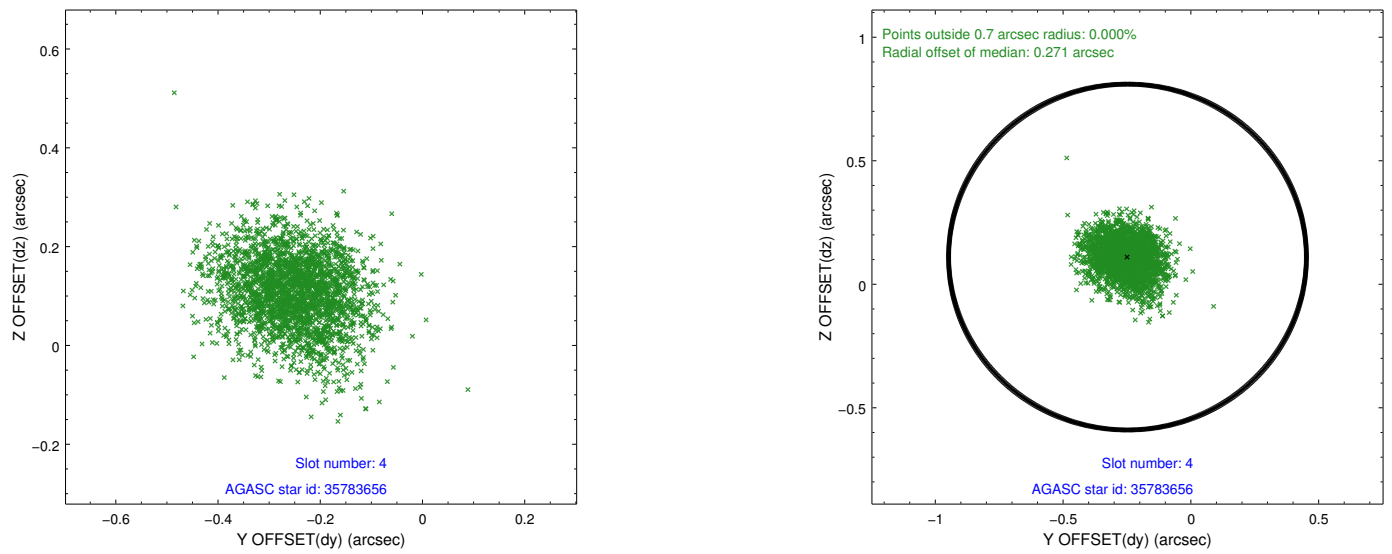
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1263	-0.051	-0.027	0.006	0.011	0.000000	0.000000	-765.11	-1737.03
1	FID	ACIS-S-4	7.19	1263	0.153	0.032	0.006	0.010	0.000000	0.000000	2147.80	170.34
2	FID	ACIS-S-5	7.22	1262	-0.133	0.004	0.006	0.011	0.000000	0.000000	-1816.56	165.26
3	GUIDE	35655264	10.05	2517	0.176	-0.534	0.196	0.310	177.442753	0.638880	1367.02	-1227.33
4	GUIDE	35783656	9.68	2524	-0.248	0.110	0.110	0.181	178.538116	0.980270	-1326.98	1903.13
5	GUIDE	35784224	9.43	2526	-0.266	0.146	0.104	0.173	178.398190	1.076869	-1447.22	1303.72
6	GUIDE	35785352	9.92	2526	0.300	0.302	0.142	0.240	178.256957	0.050852	2145.19	2304.94
7	GUIDE	35788008	9.42	2511	0.022	-0.033	0.104	0.169	177.612047	1.006805	-89.89	-1192.62

## 2.4 Star Slots

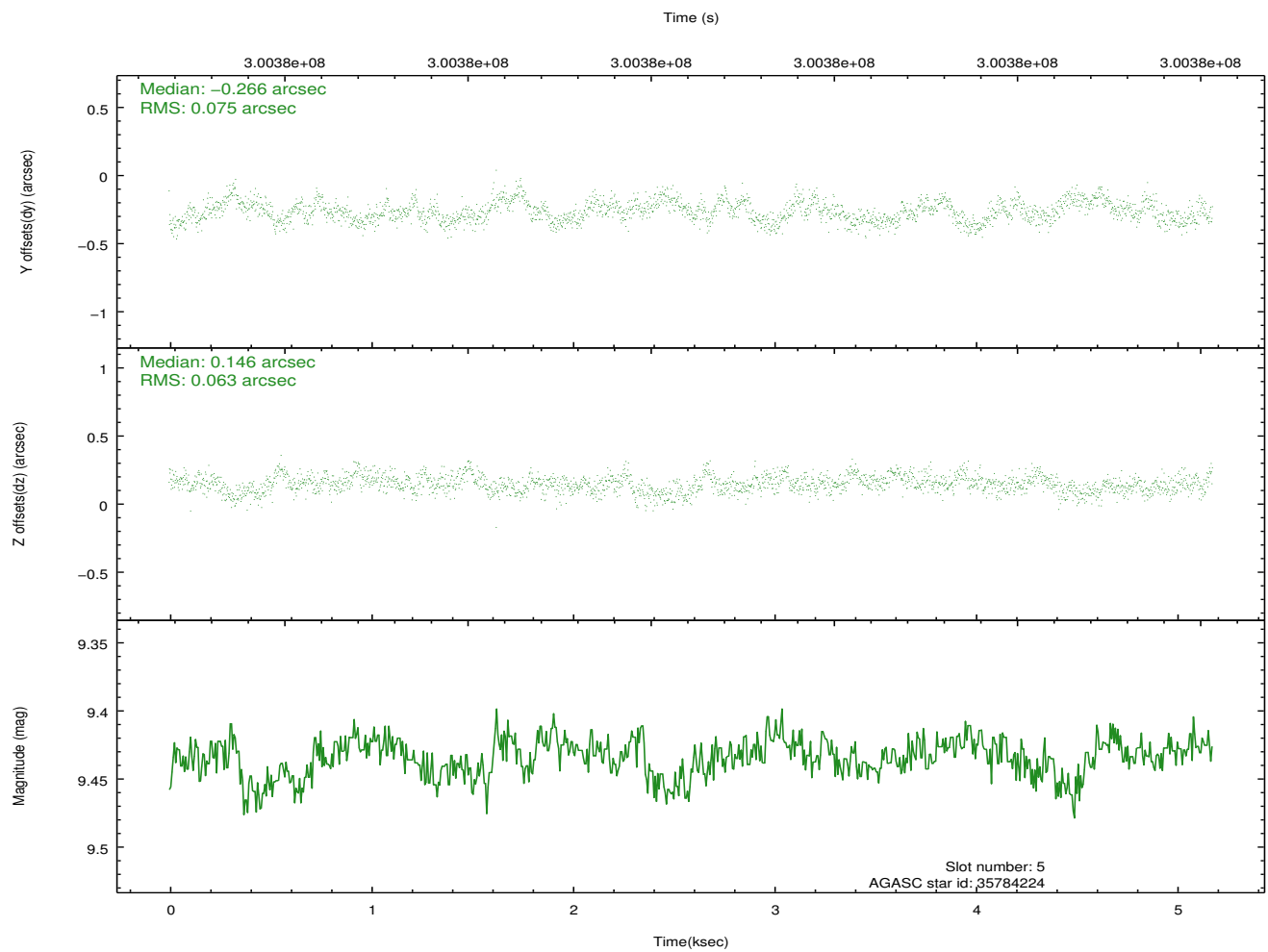
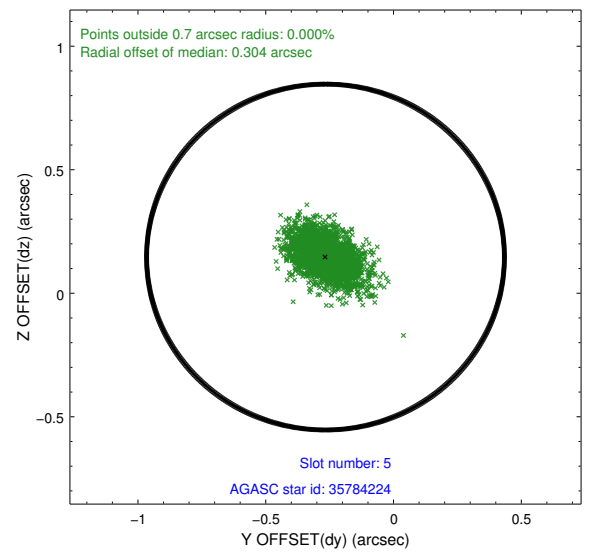
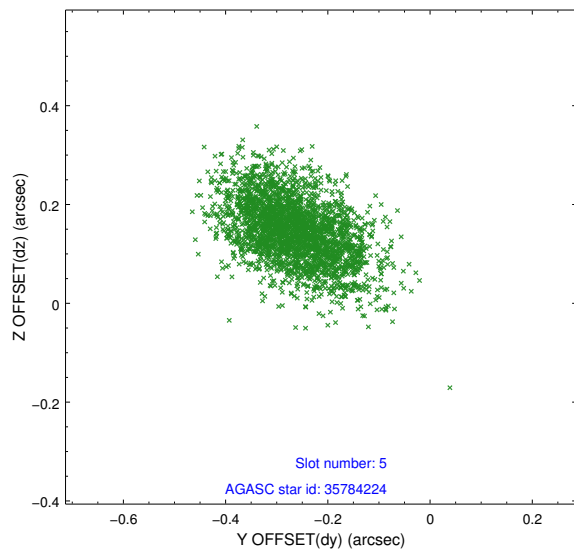
### 2.4.1 Slot 3



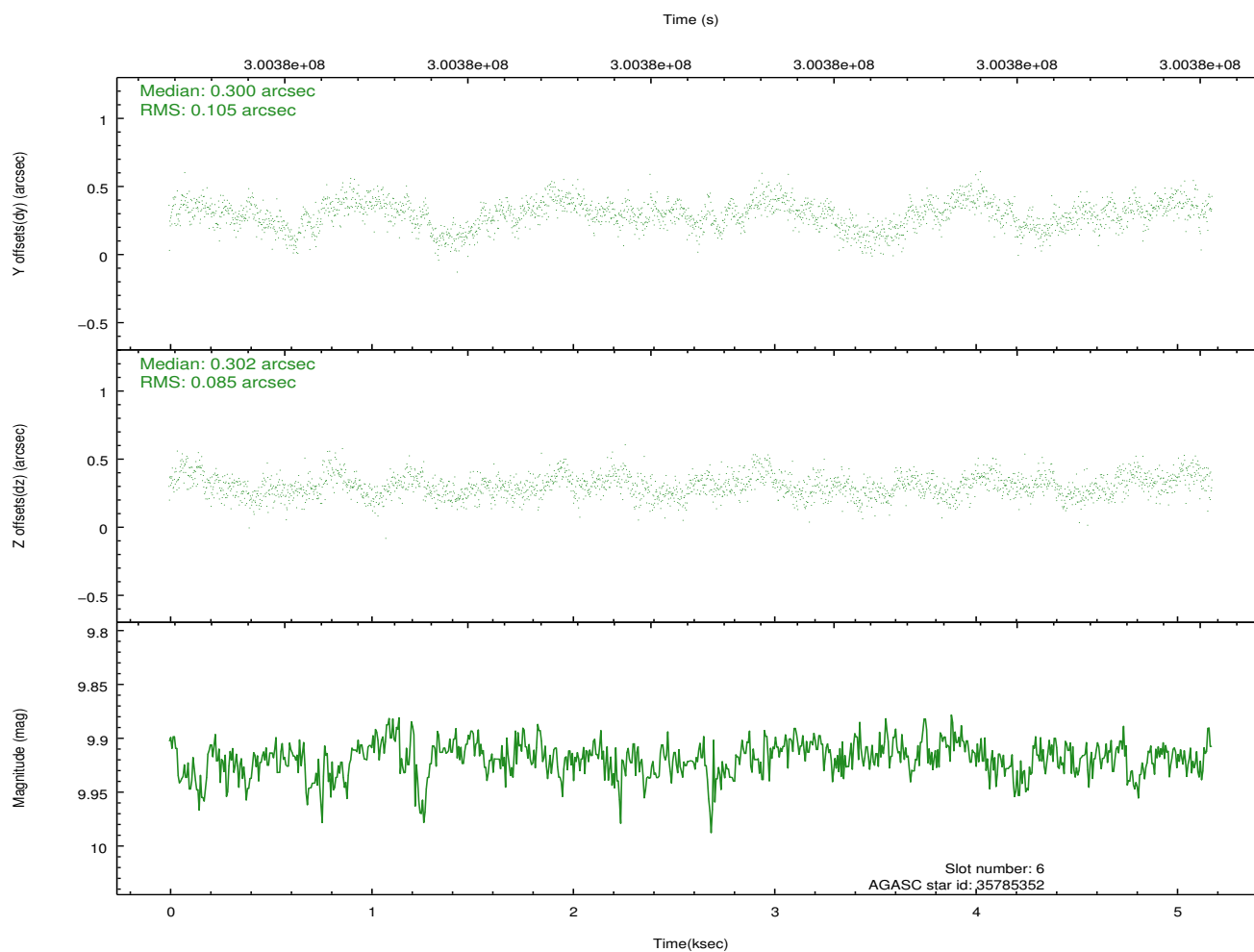
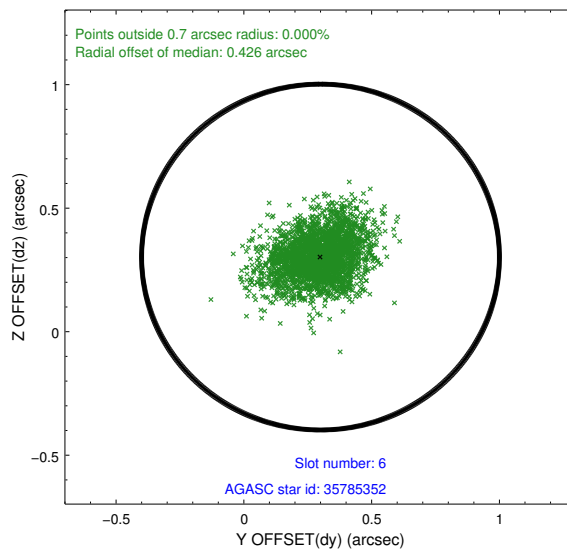
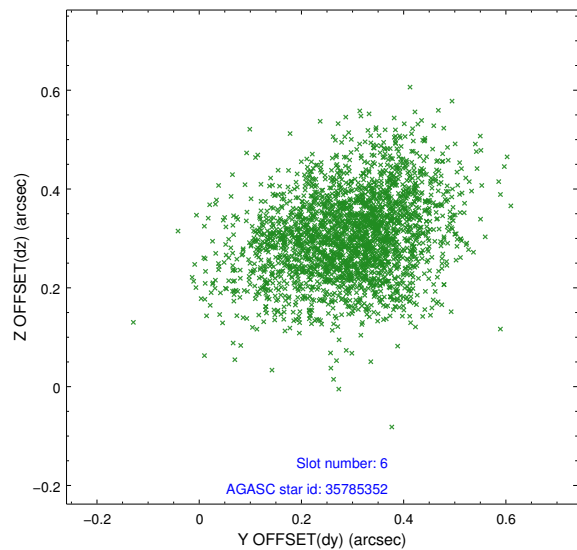
## 2.4.2 Slot 4



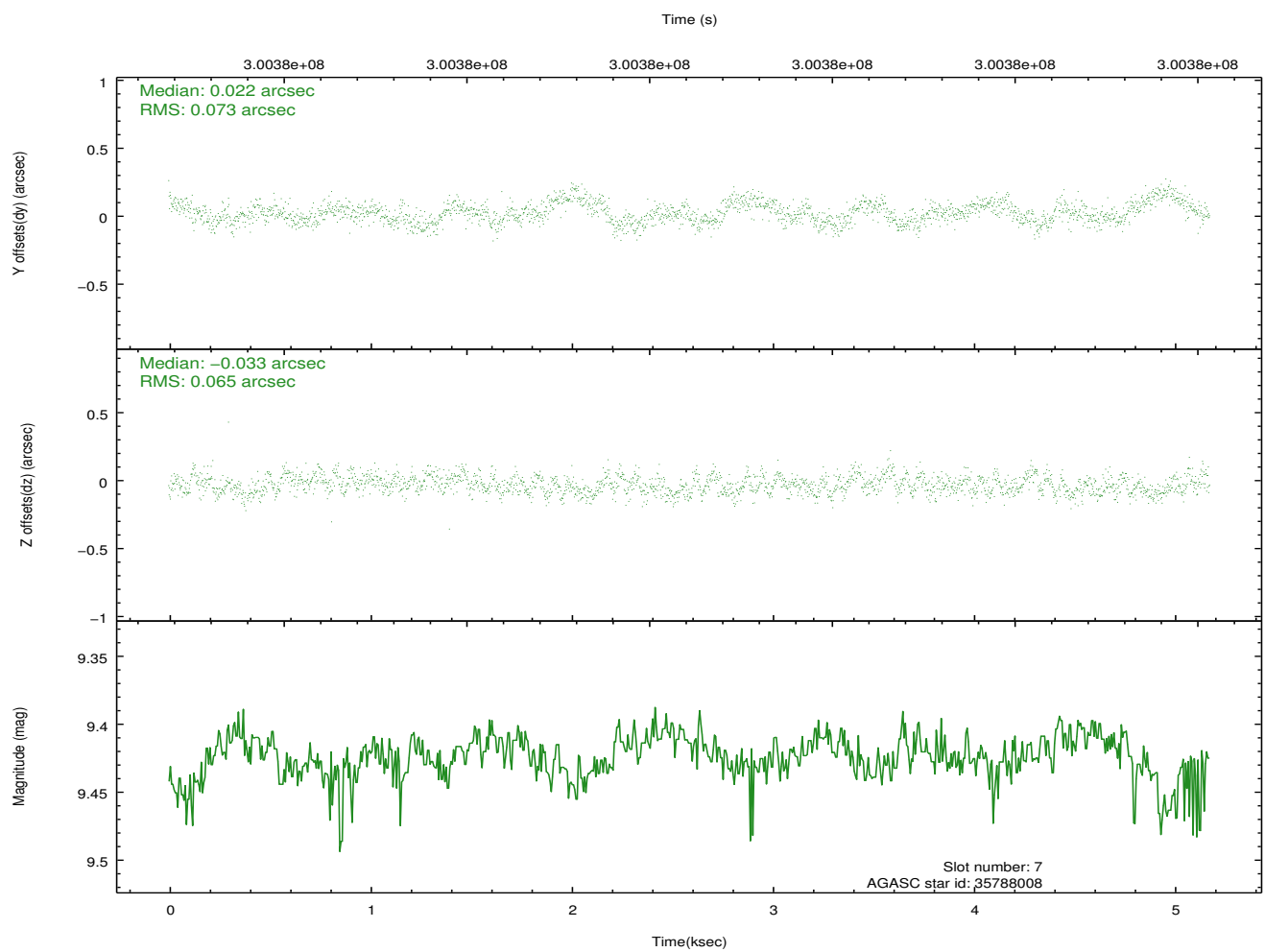
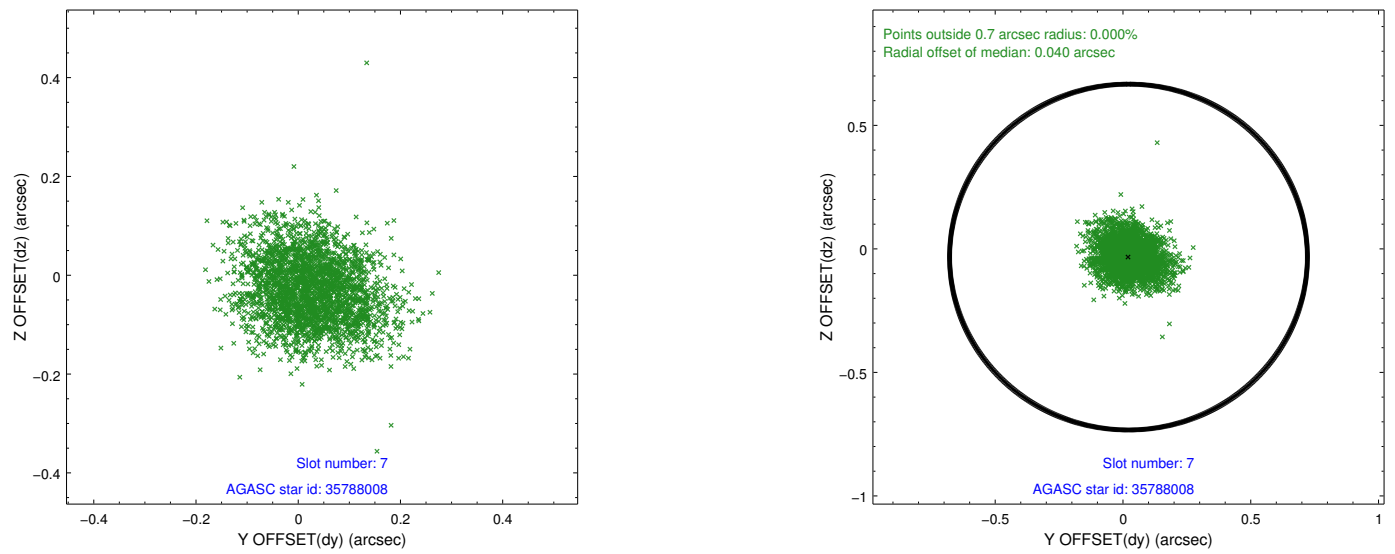
### 2.4.3 Slot 5



## 2.4.4 Slot 6

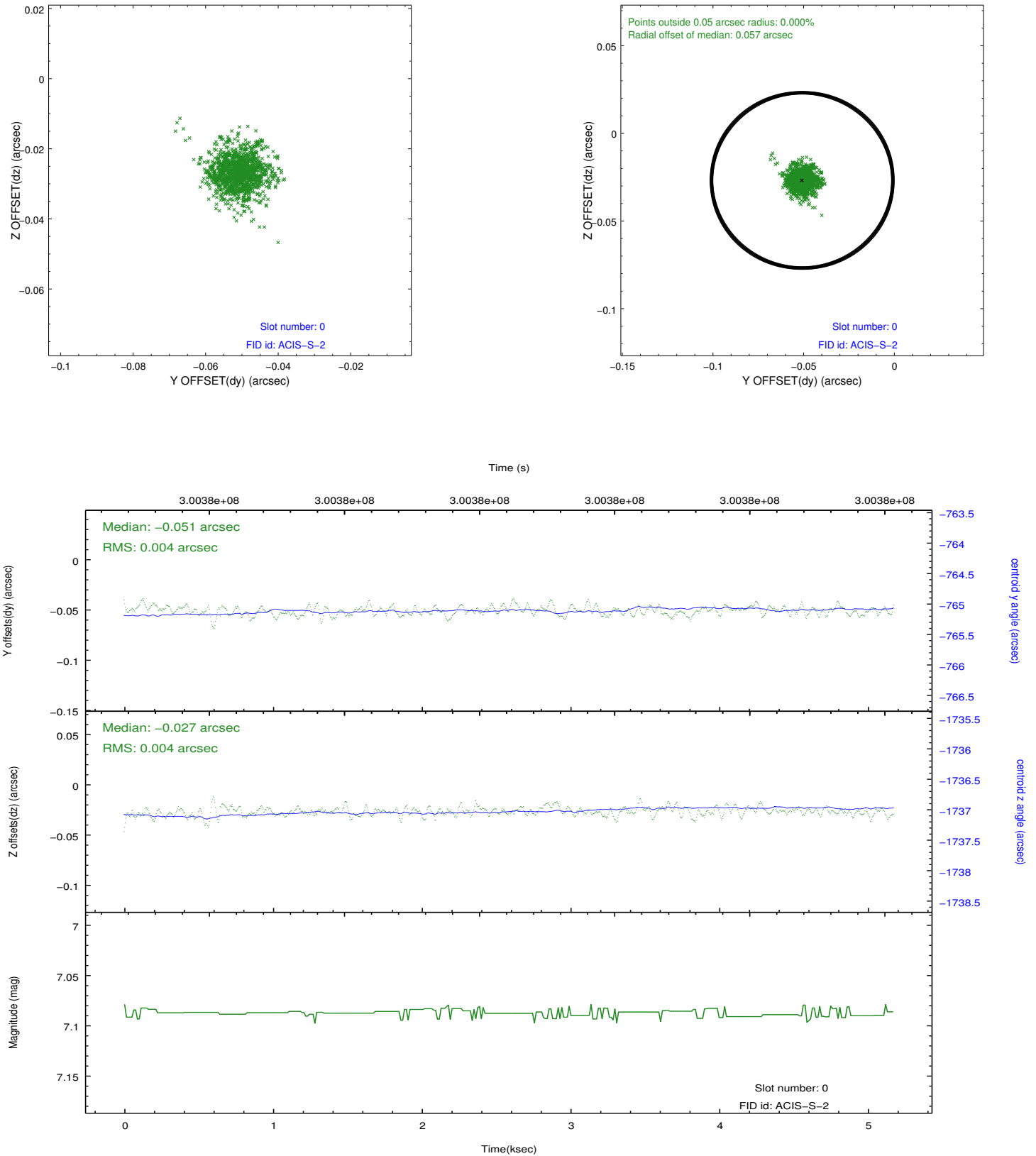


## 2.4.5 Slot 7

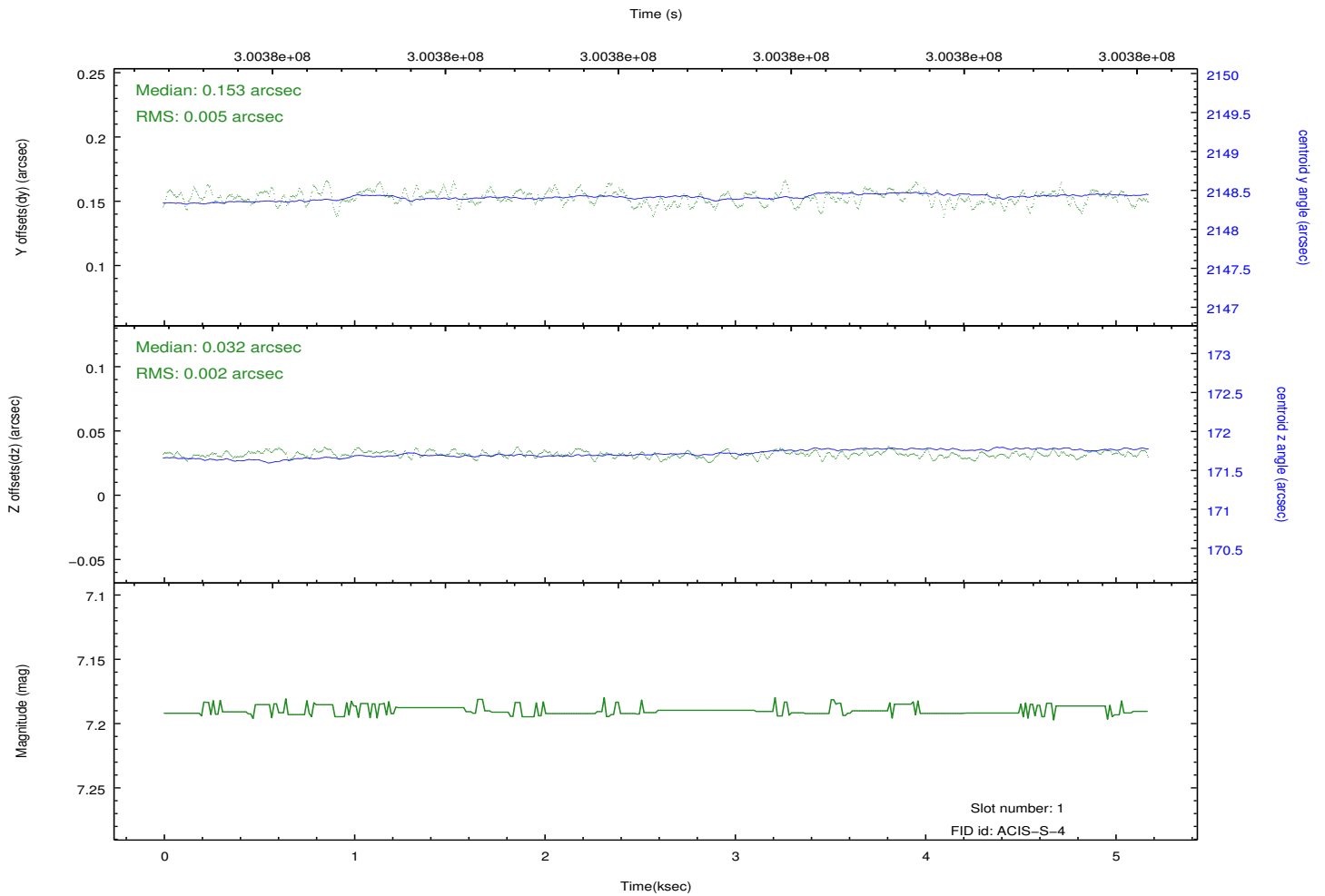
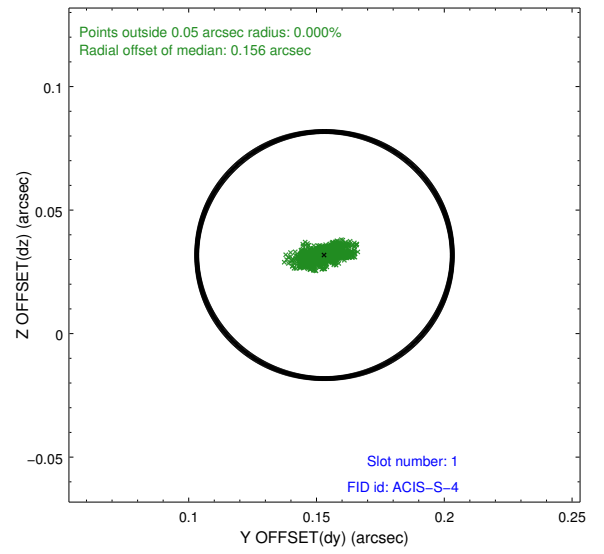
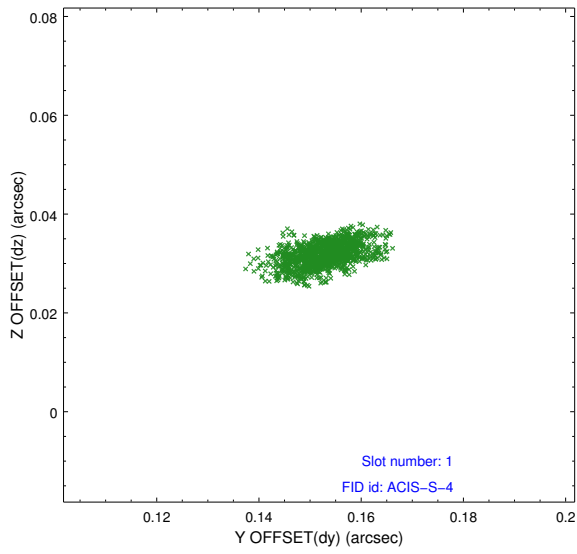


## 2.5 FID Slots

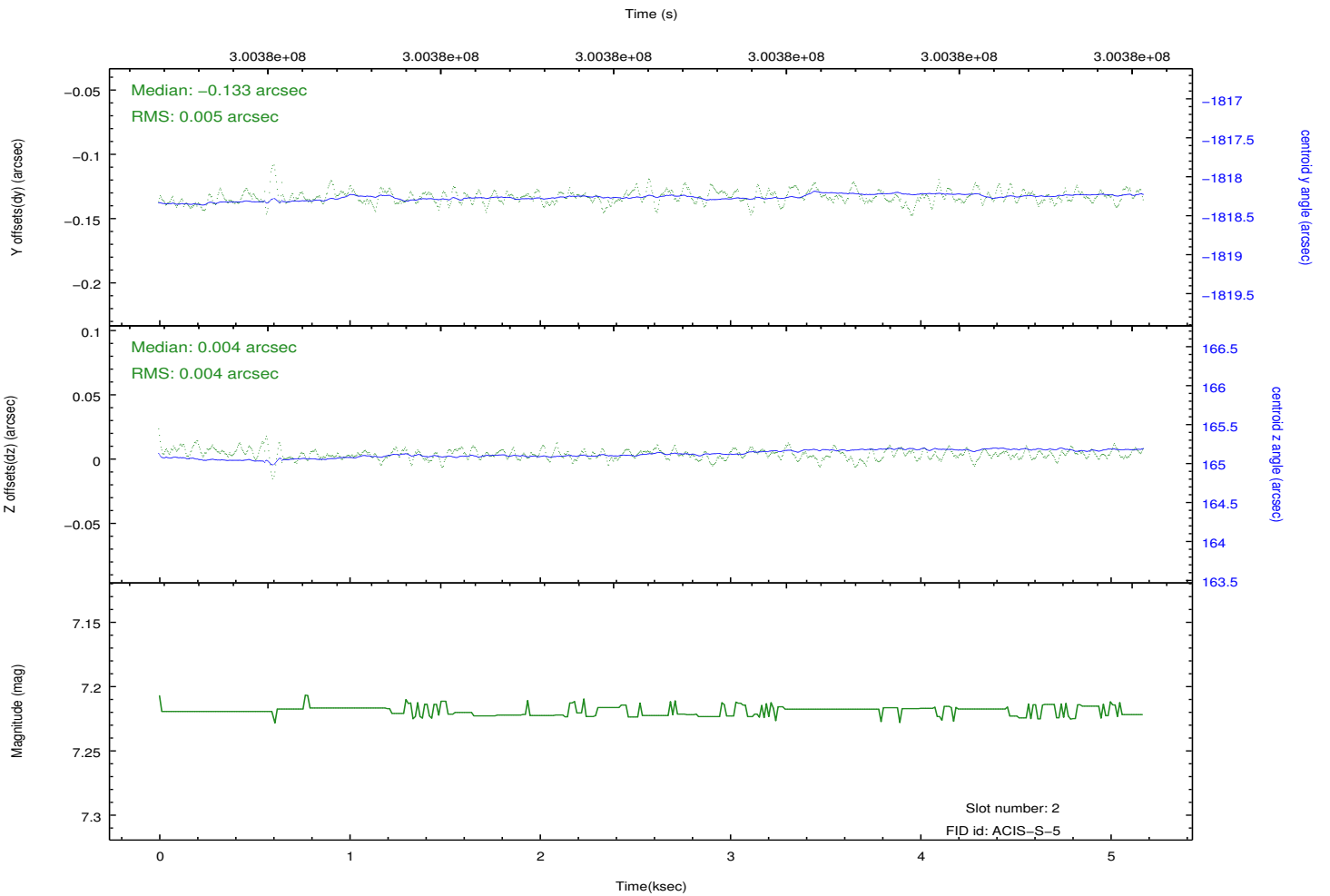
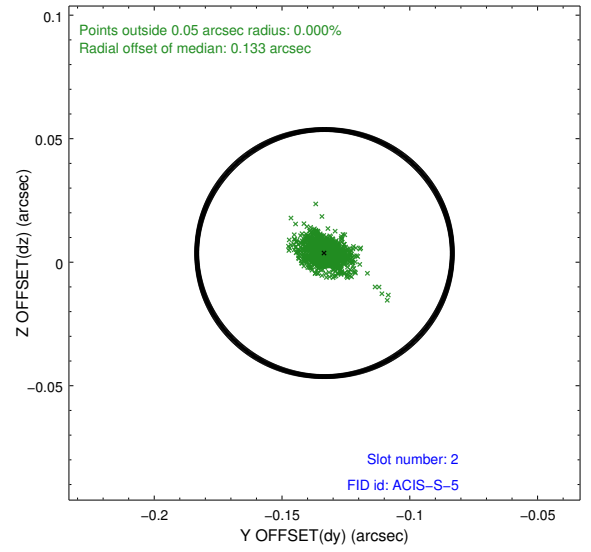
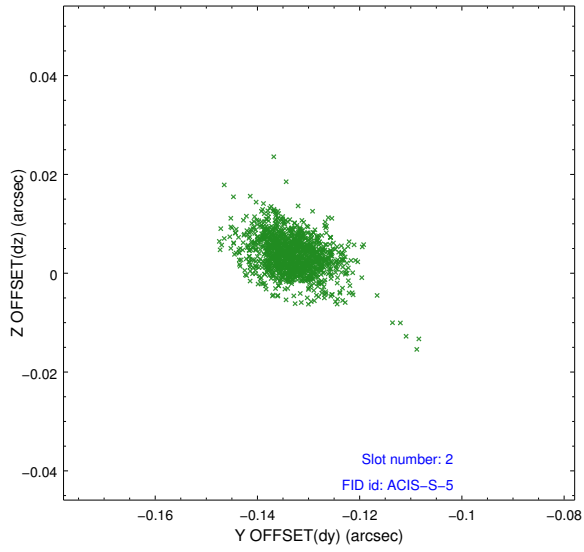
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17759969

## A.2 Comments