

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10401 - L2 Version 2  
Chandra X-Ray Center

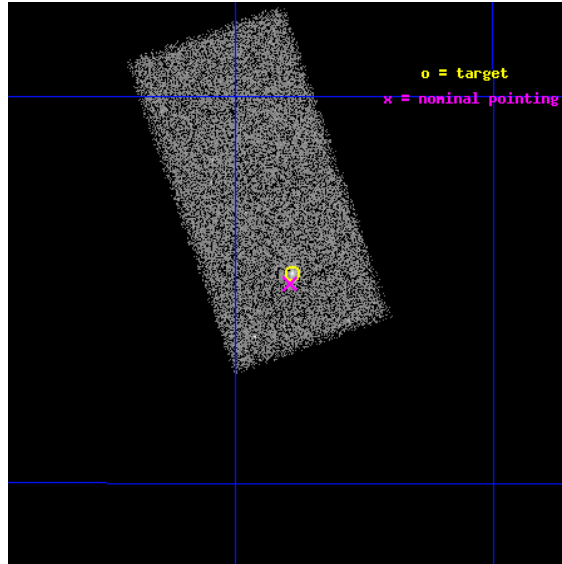
L2 Processing Date : May 25 2012

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# 1 Front

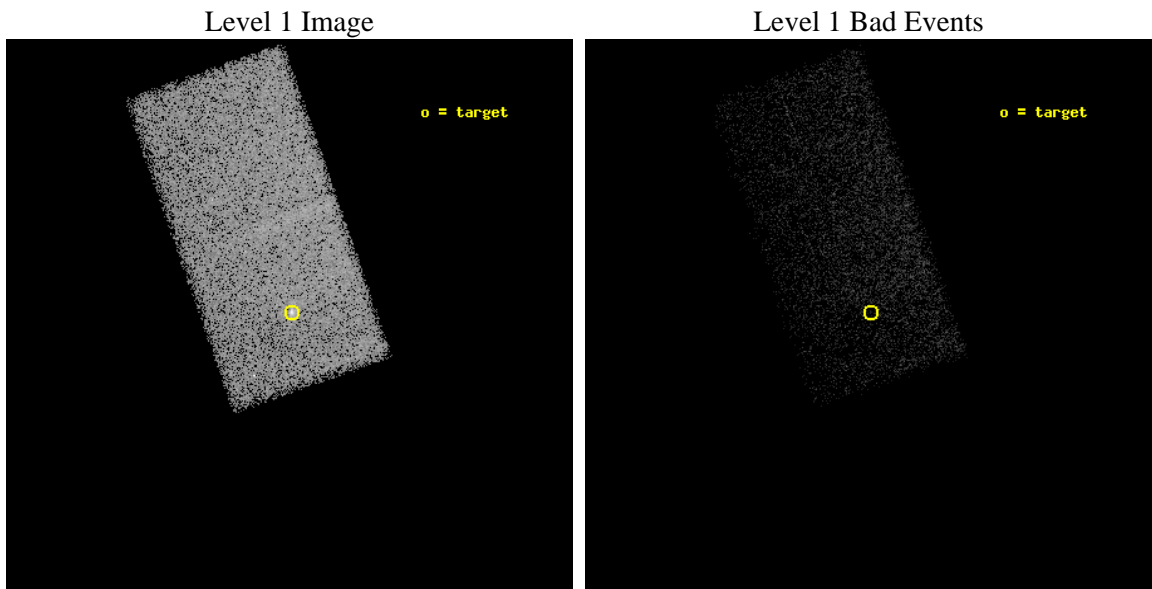
seq_num	701944	Sequence number
obs_id	10401	Observation id
title	A Complete Census of AGN Activity in Luminous Infrared Galaxies	Pr
observer	Dr David Alexander	Principal investigator
object	NGC23	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	2.4725	Observer's specified target RA [deg]
dec_targ	25.923889	Observer's specified target Dec [deg]
ra_nom	2.473632849658	Nominal RA [deg]
dec_nom	25.919153753577	Nominal Dec [deg]
roll_nom	250.52703535527	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19978.5	Sum of GTIs [s]
liveltime	19446.445257748	Livetime [s]
ontime7	19978.5	Sum of GTIs [s]
l2events	39627	Number of level 2 events



## 2 OBI

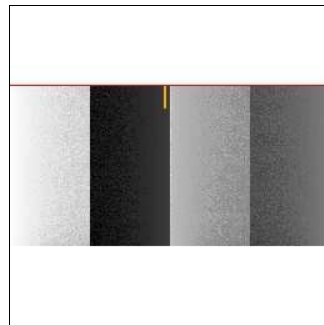
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19978.5	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	19978.5	Sum of GTIs [s]
date	2012-05-25T04:36:12	Date and time of file creation	l1events	79009	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

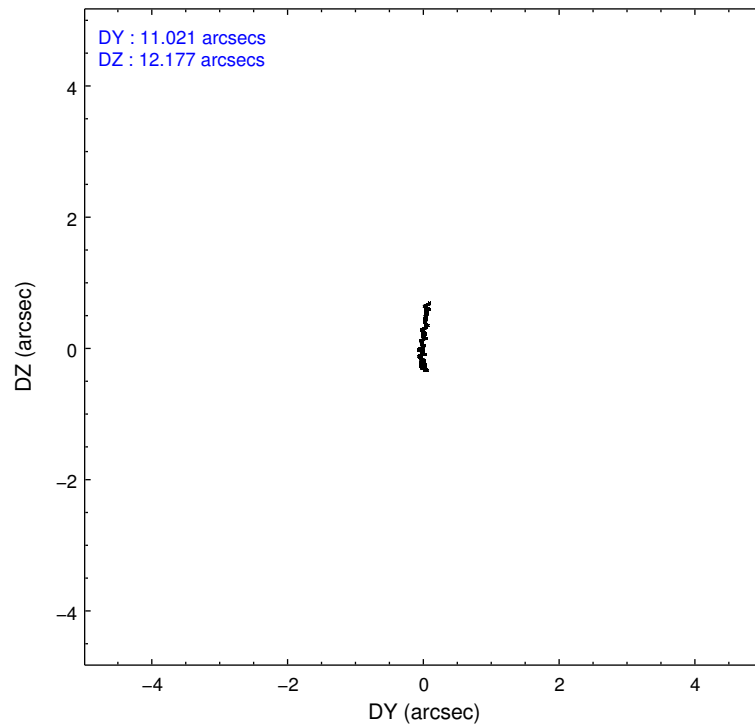
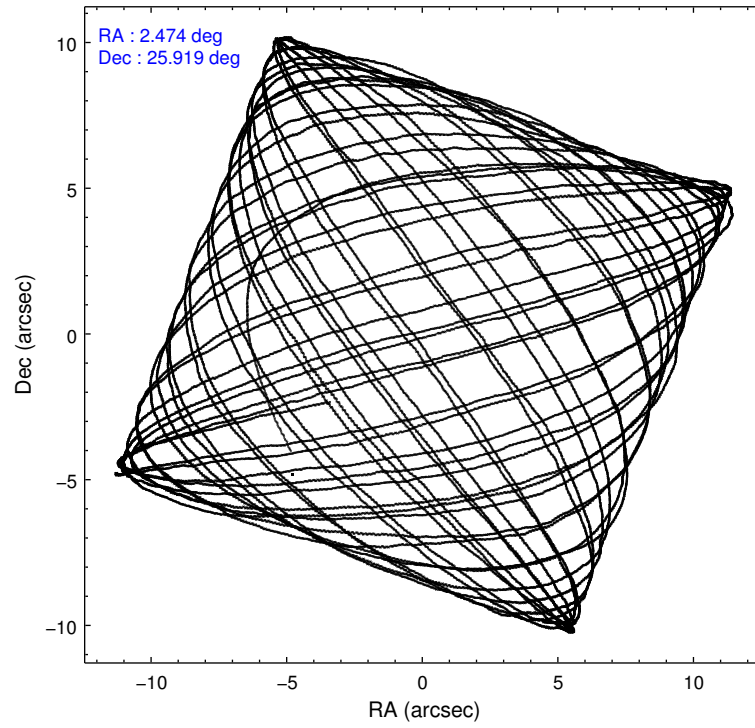
	<b>ccd 7</b>
level 1 events	79009
rejected events	37976
rejected %	48%

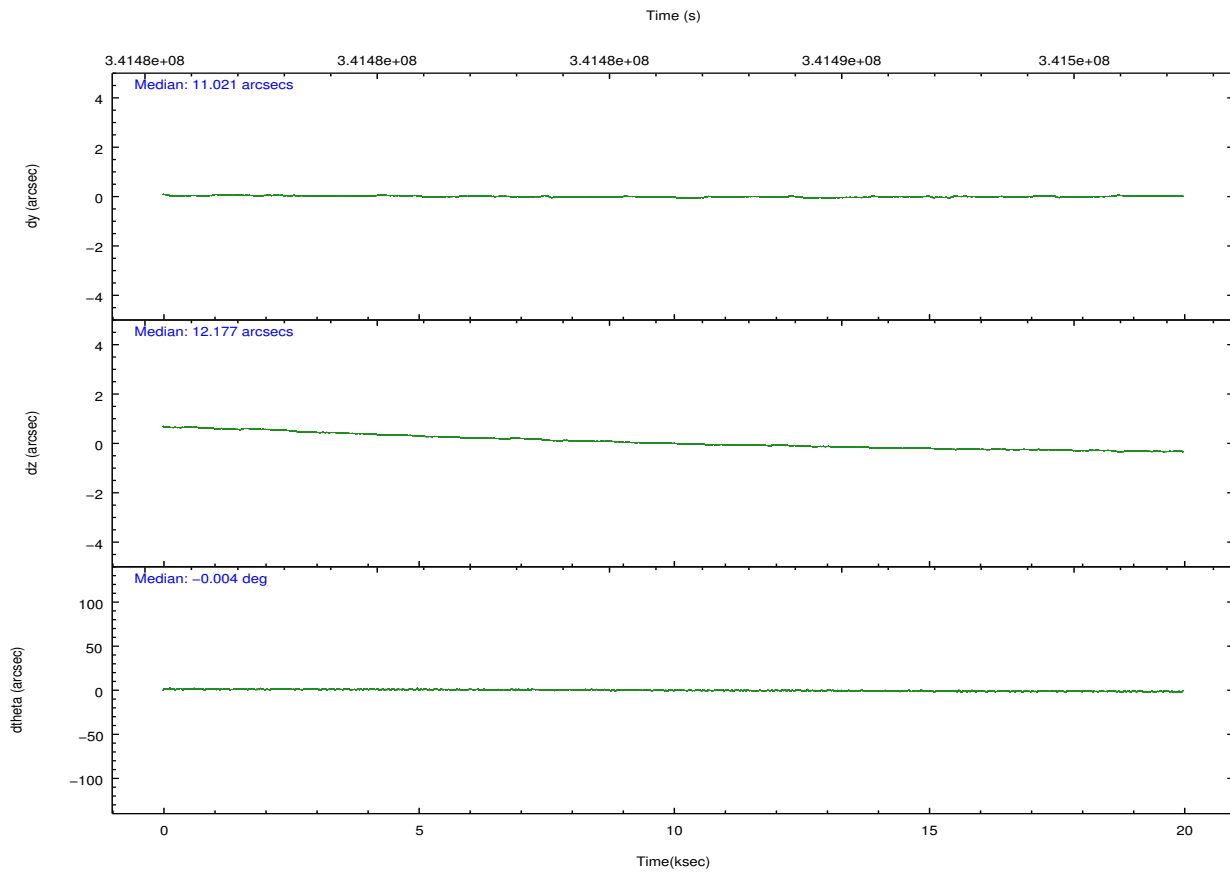
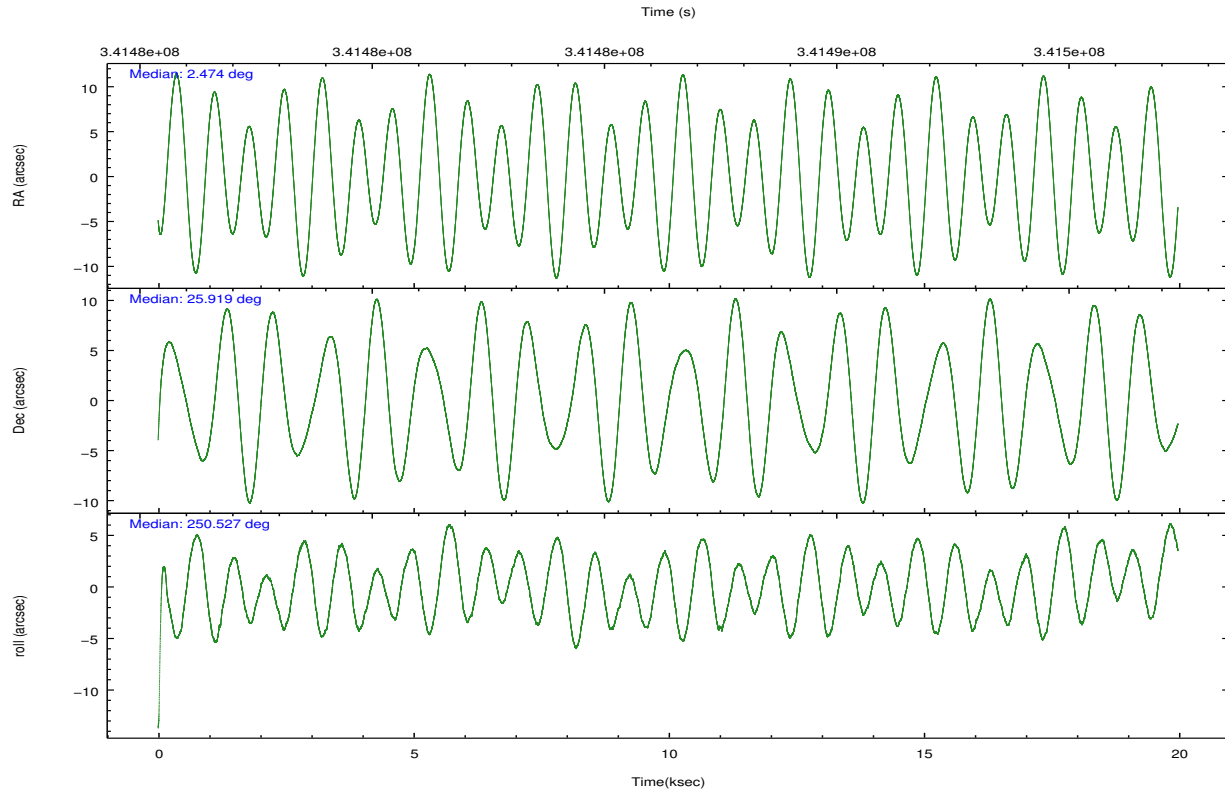
	<b>ccd 7</b>
grade 0 events	4669
	5%
grade 1 events	127
	0%
grade 2 events	9037
	11%
grade 3 events	4559
	5%
grade 4 events	4395
	5%
grade 5 events	8330
	10%
grade 6 events	18925
	23%
grade 7 events	28967
	36%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	2.467678	2.473632849658041	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	25.945957	25.91915375357686	Subarray start row	257	257
[deg] Pointing Roll	250.373021	250.5270353552698	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	341476550.184000	341475753.59219			
Observation start date	2008-10-27T06:34:45	2008-10-27T06:22:33			
[s] Observation end time (MET)	341496350.184000	341497295.50575			
Observation end date	2008-10-27T12:04:45	2008-10-27T12:21:35			
Read mode	TIMED	TIMED			

## 2.3 Aspect



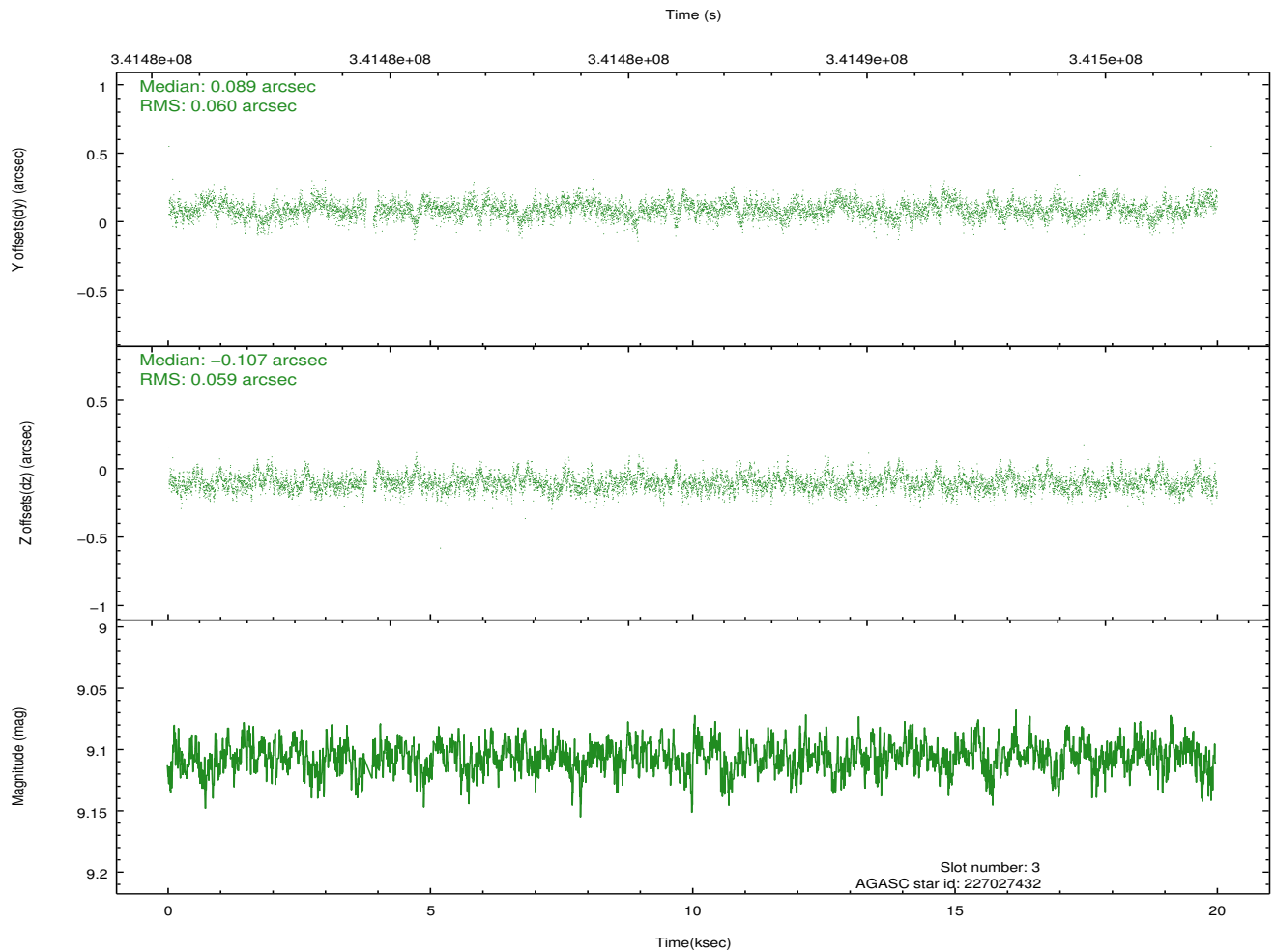
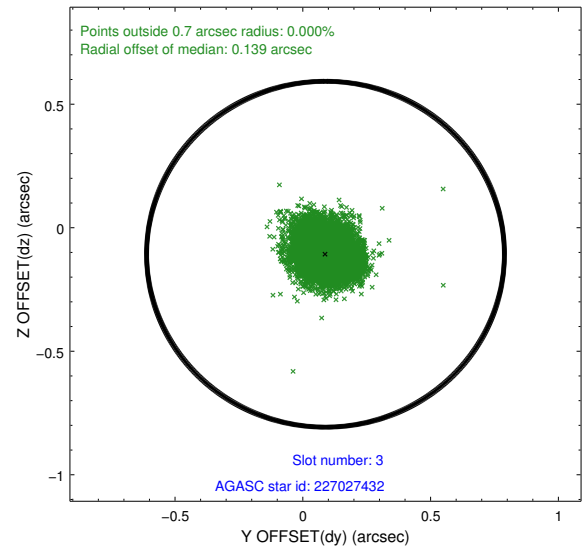
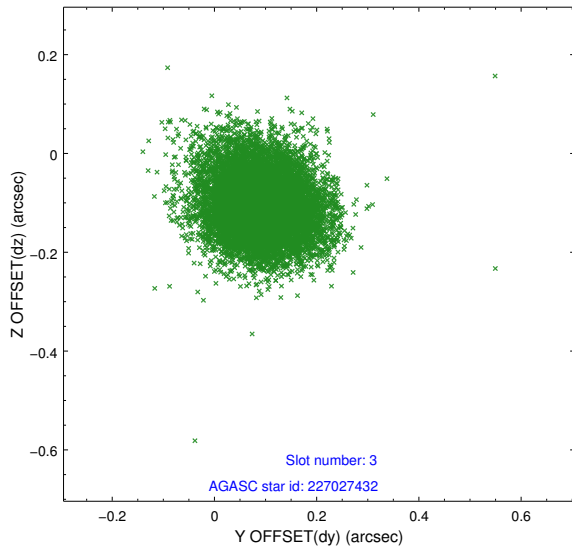


### Slot Statistics

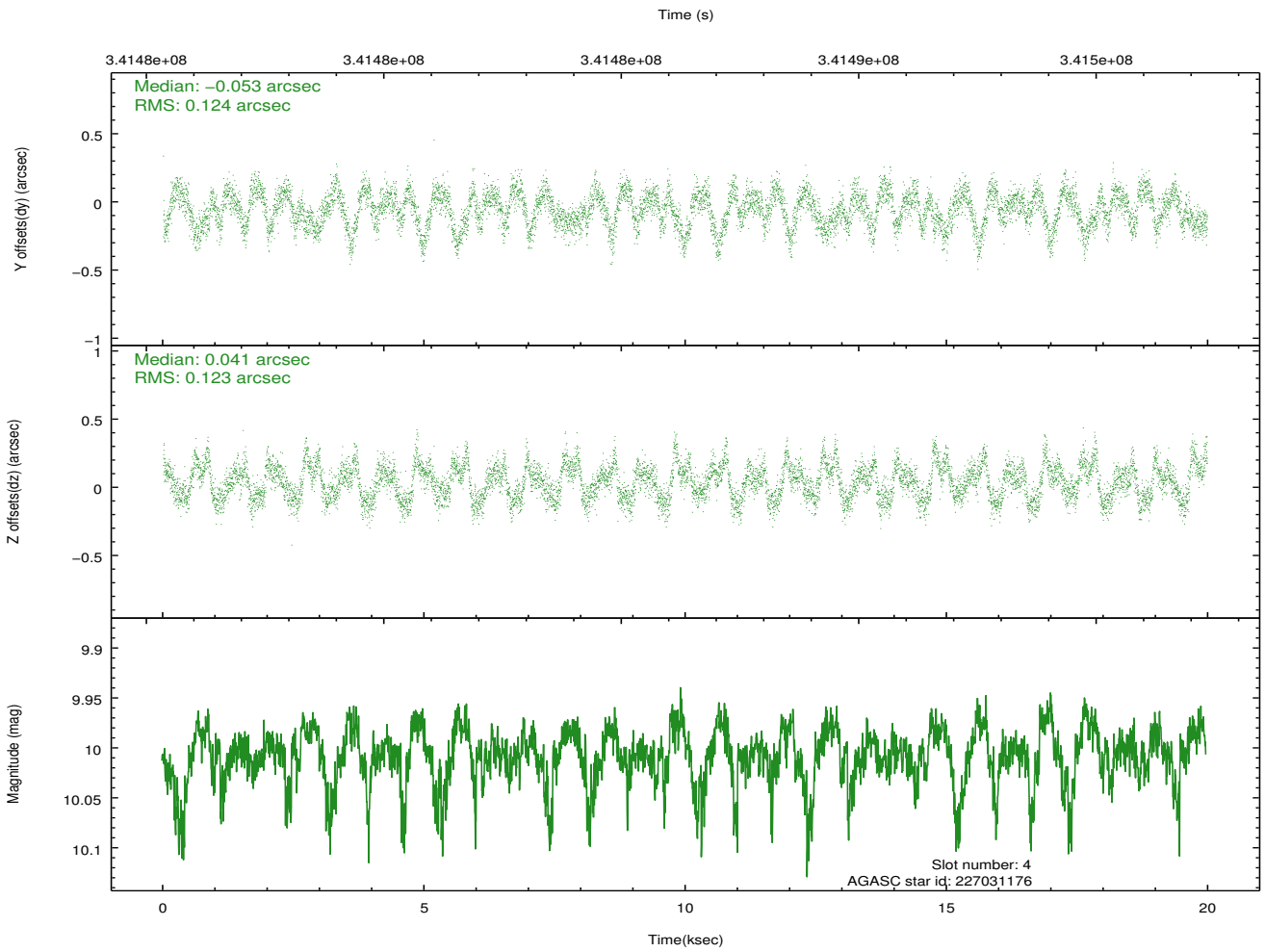
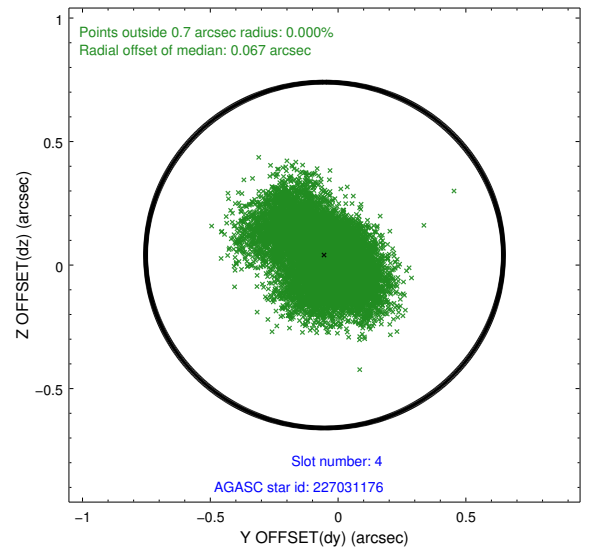
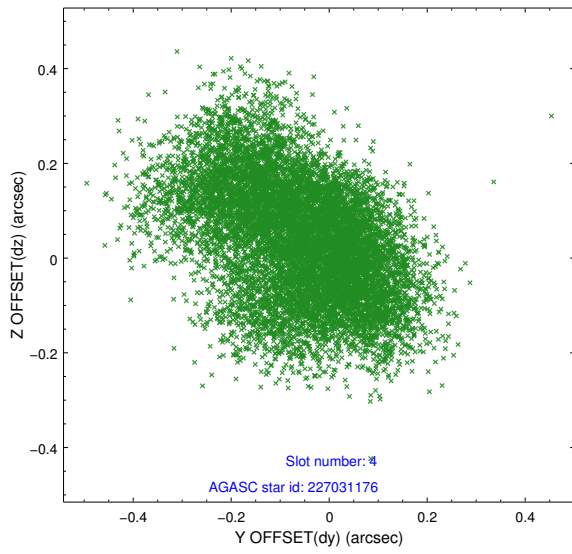
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	4873	0.050	-0.077	0.012	0.022	0.000000	0.000000	932.15	-1729.28
1	FID	ACIS-S-4	6.98	4874	0.077	0.034	0.010	0.019	0.000000	0.000000	2149.73	174.77
2	FID	ACIS-S-5	7.01	4874	-0.154	0.056	0.007	0.013	0.000000	0.000000	-1816.64	168.68
3	GUIDE	227027432	9.11	9673	0.089	-0.107	0.089	0.147	2.554272	25.526753	1327.08	772.07
4	GUIDE	227031176	10.01	9735	-0.053	0.041	0.190	0.295	2.778747	26.337963	-1667.33	471.27
5	GUIDE	227031480	6.18	9748	-0.037	0.094	0.080	0.130	2.217231	25.462987	1909.47	-181.86
6	GUIDE	227154456	9.93	9736	-0.074	0.026	0.145	0.244	3.302462	26.340976	-2251.65	2056.39
7	GUIDE	227162648	9.76	9737	0.080	-0.062	0.131	0.223	3.256974	26.337269	-2189.54	1923.25

## 2.4 Star Slots

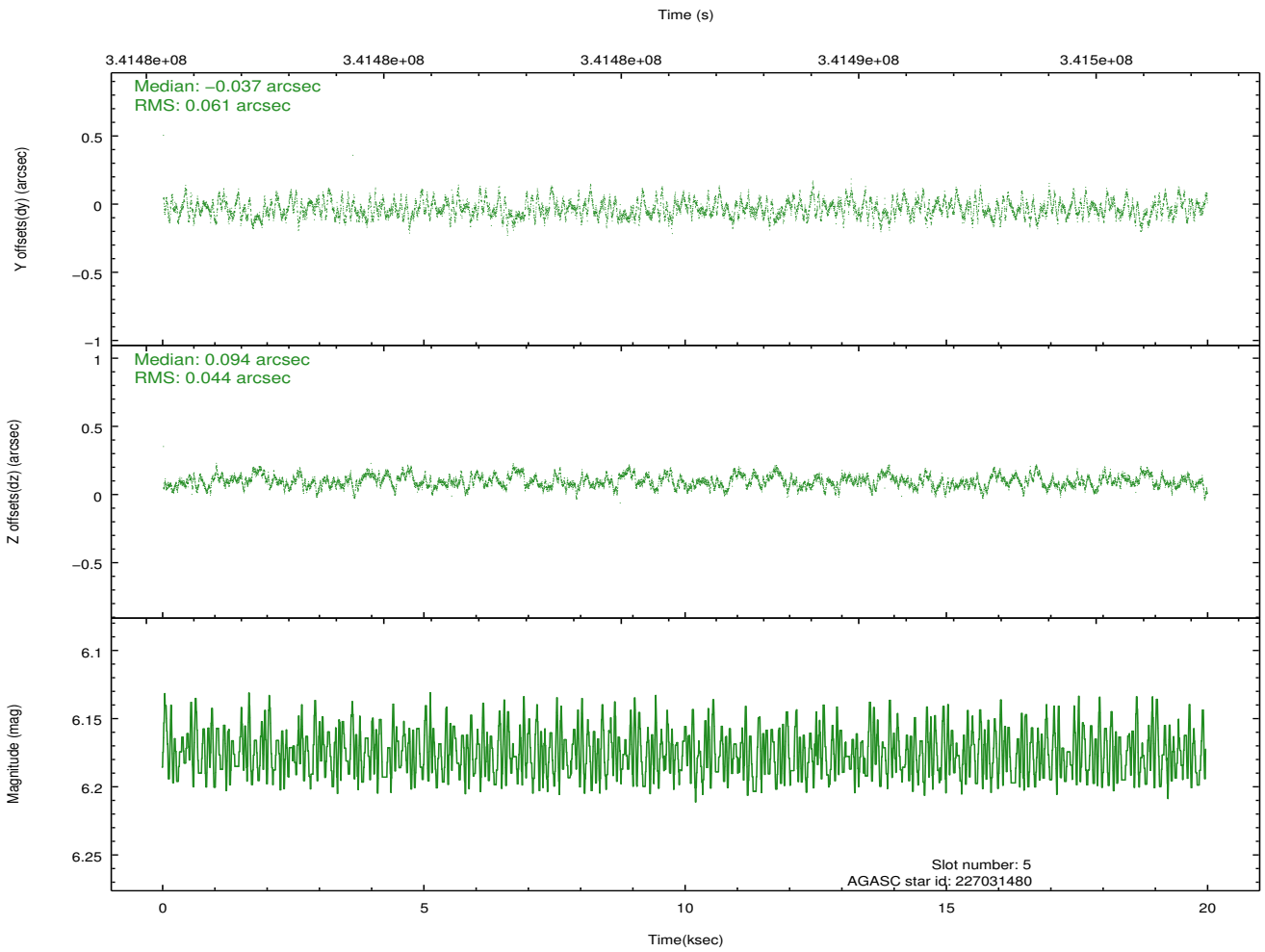
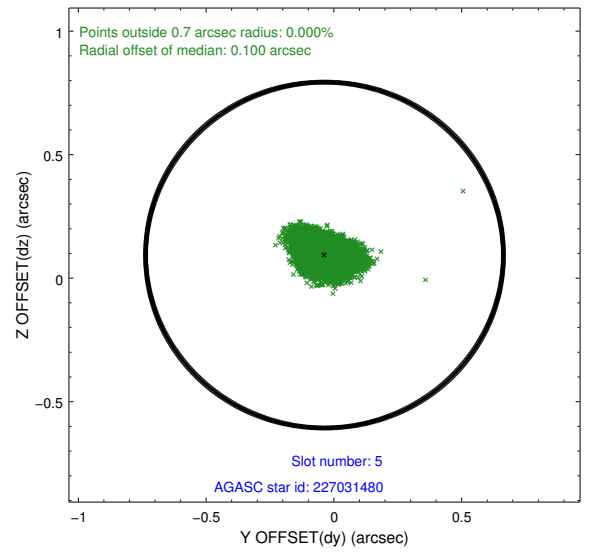
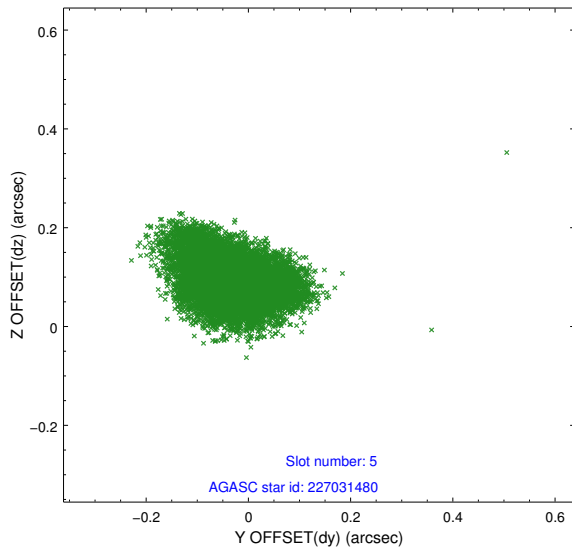
### 2.4.1 Slot 3



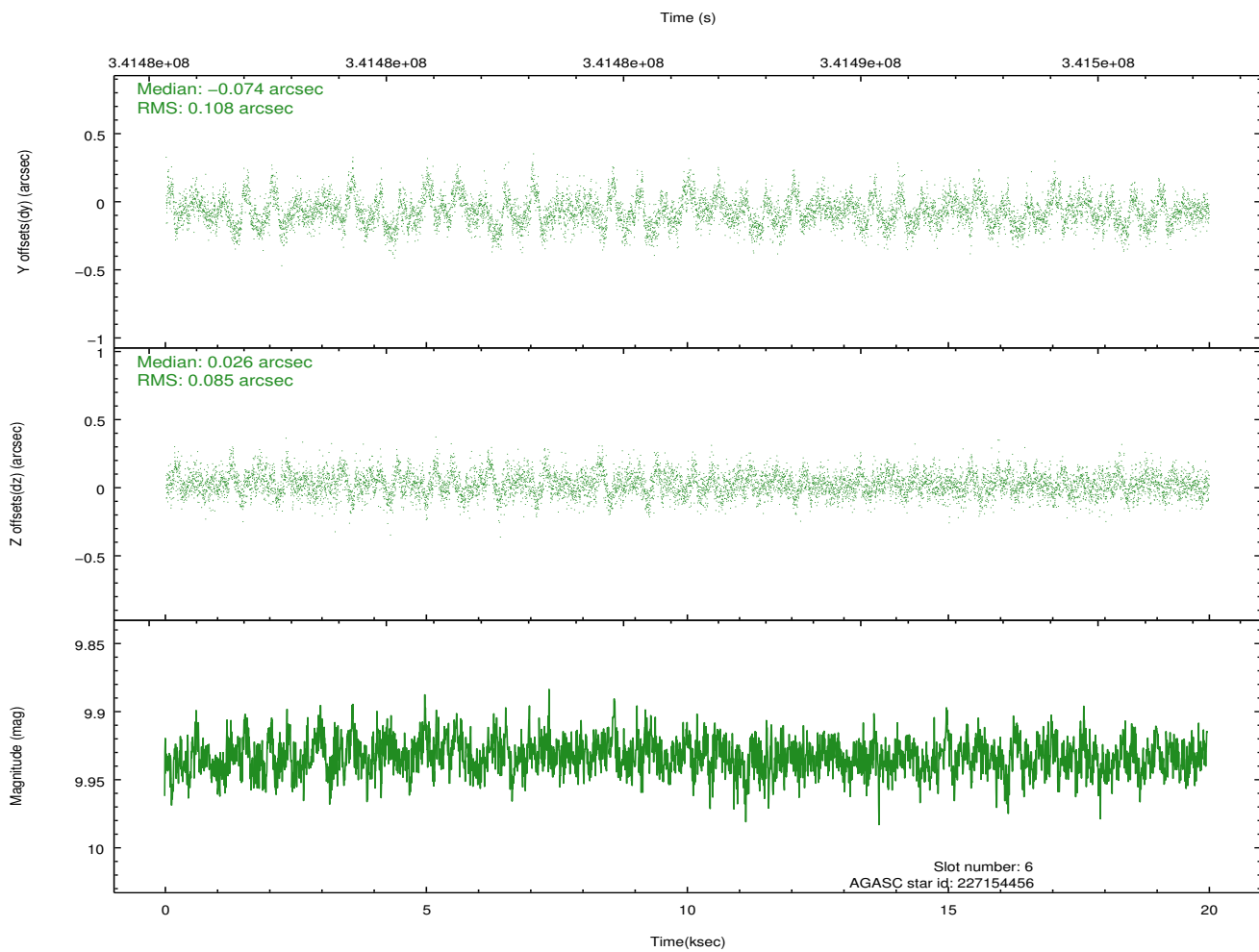
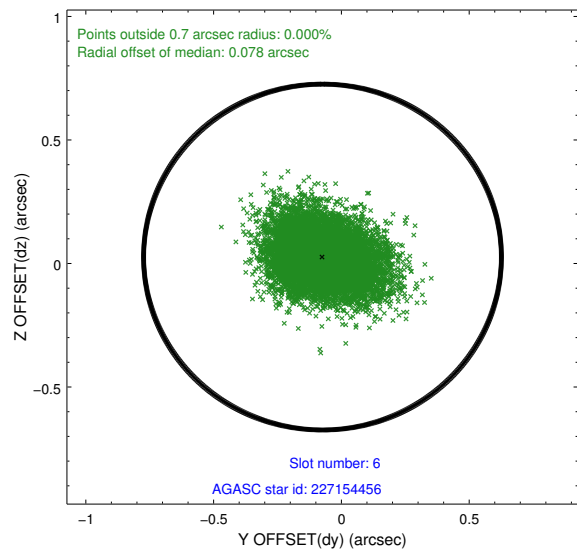
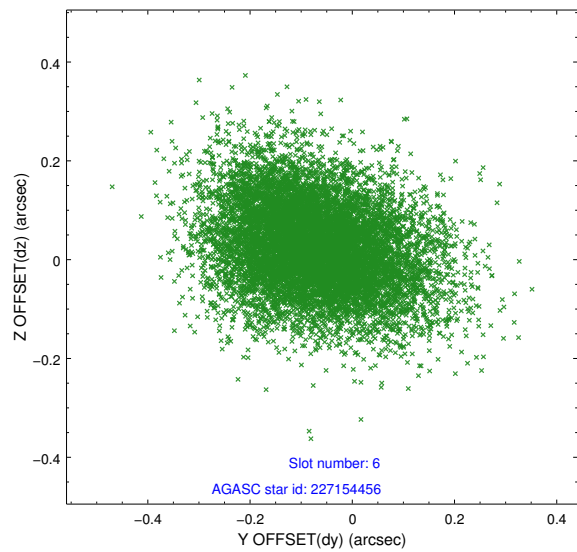
### 2.4.2 Slot 4



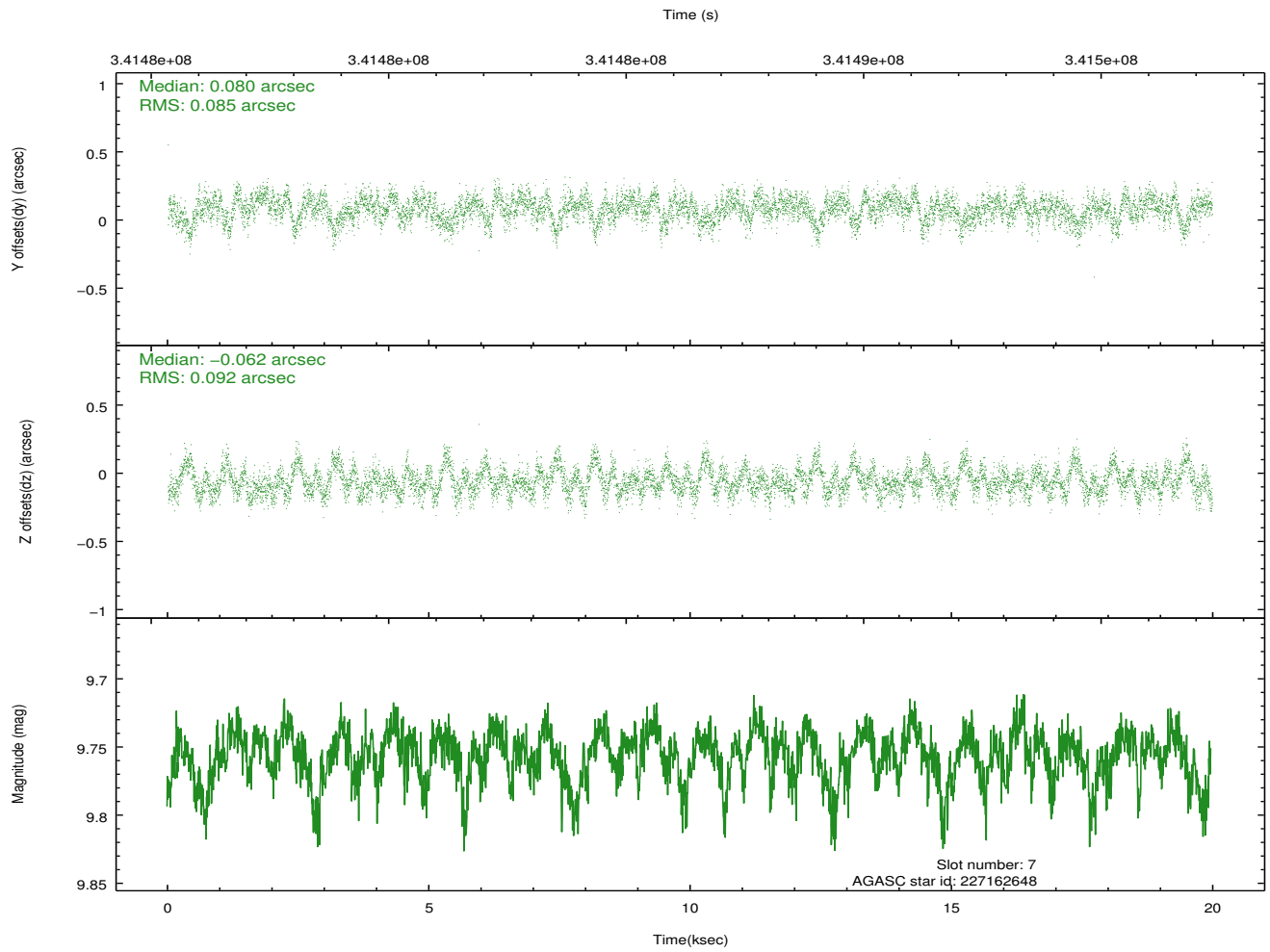
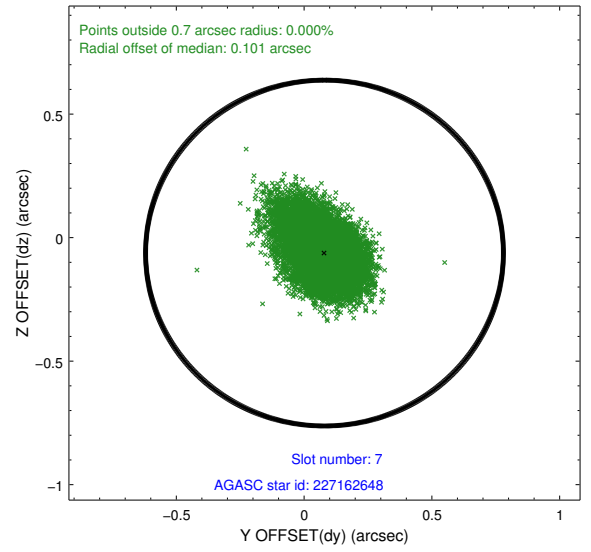
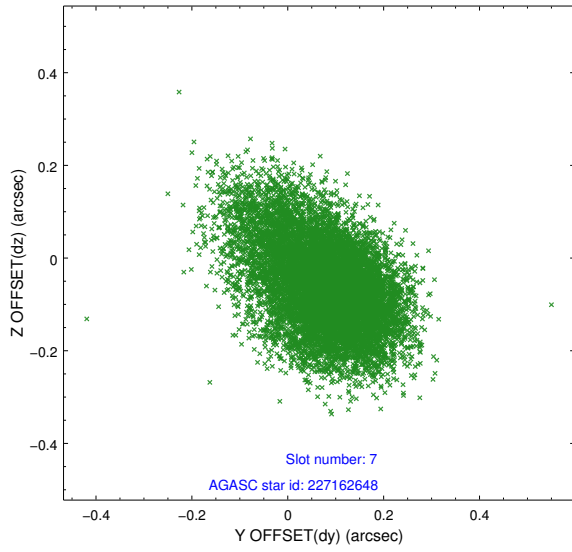
### 2.4.3 Slot 5



### 2.4.4 Slot 6

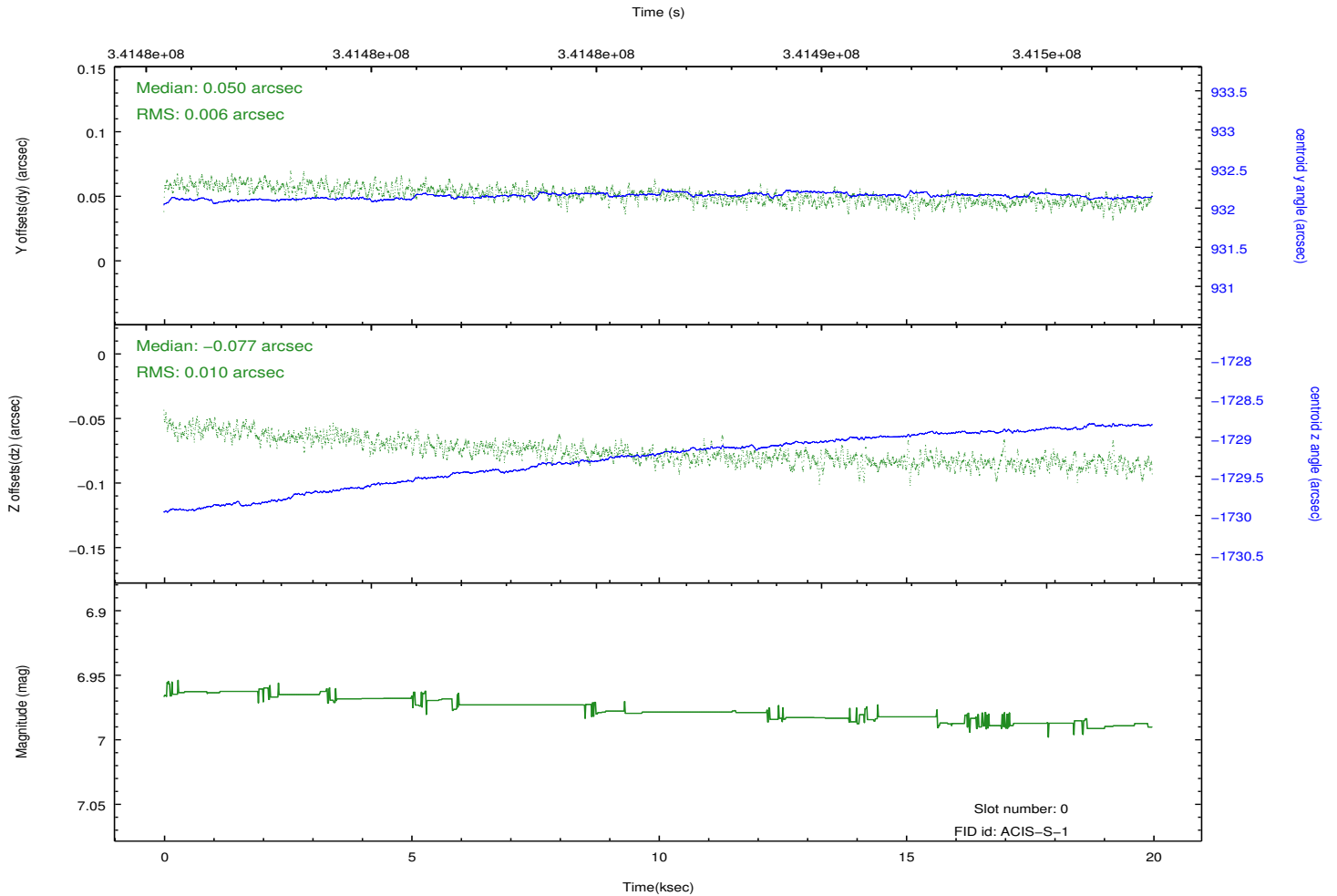
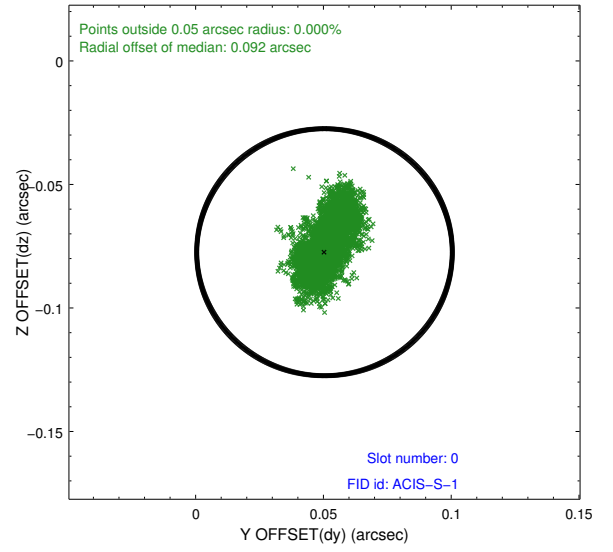
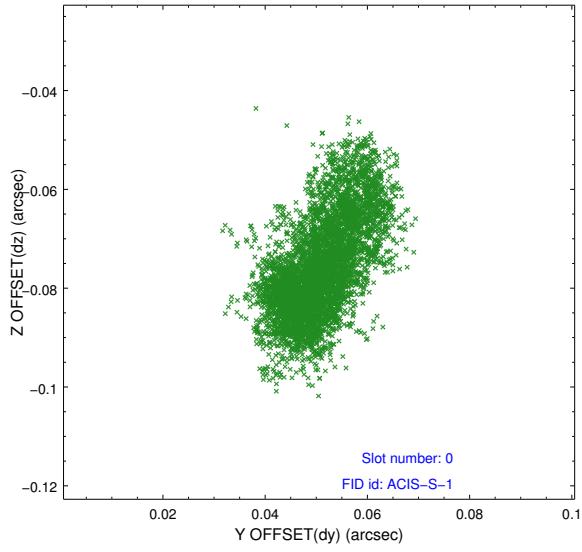


## 2.4.5 Slot 7

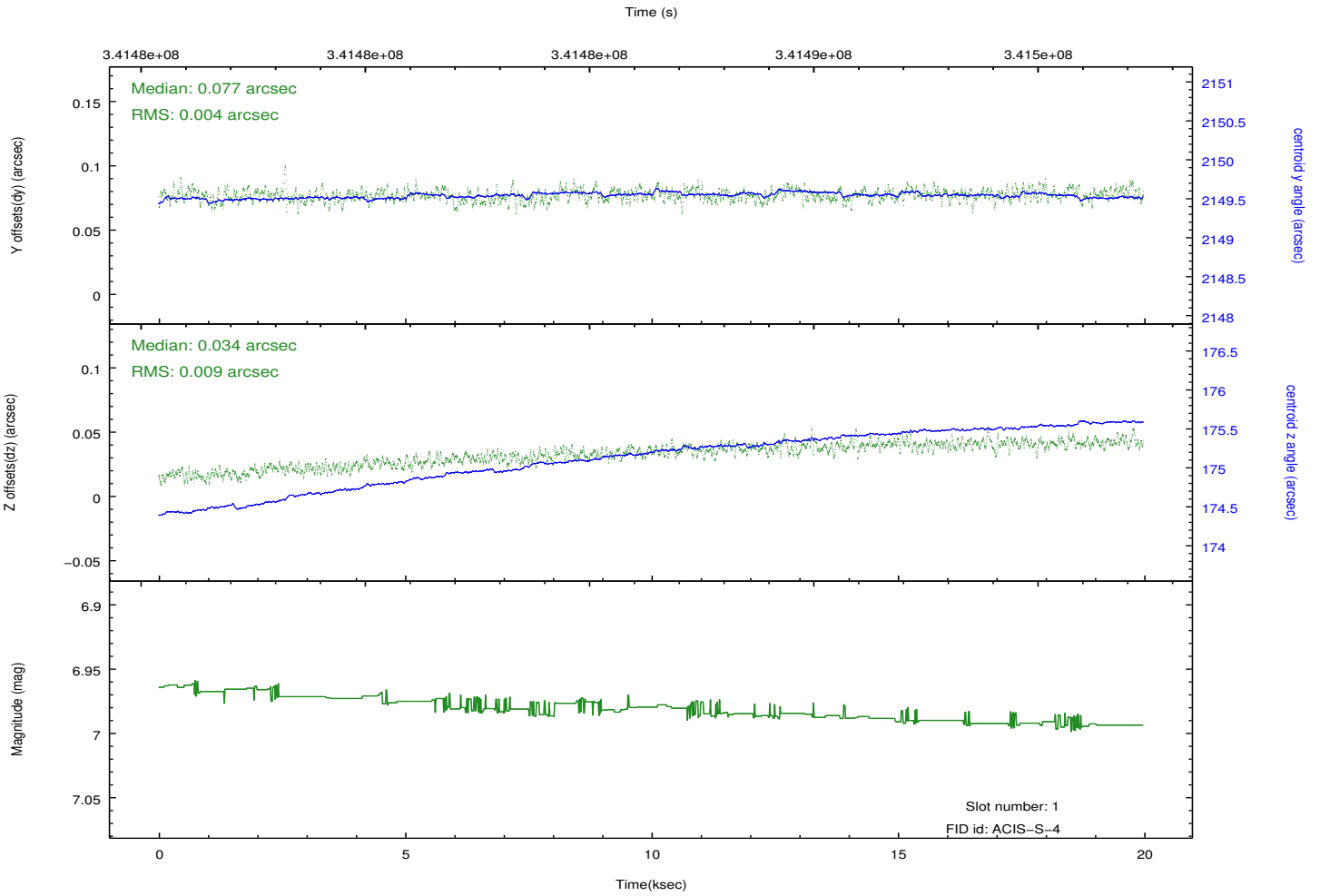
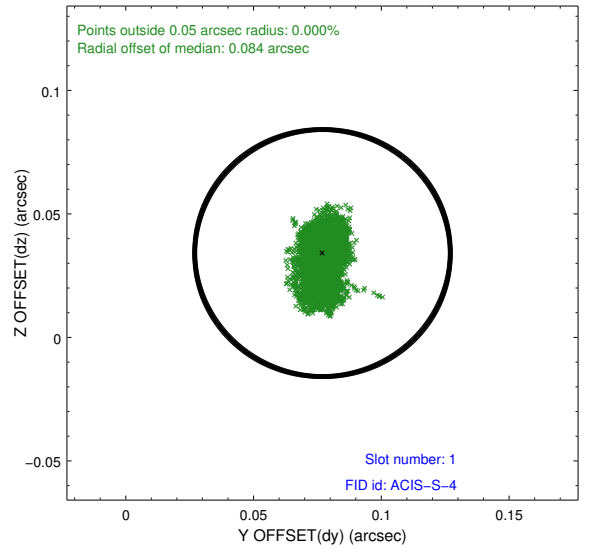
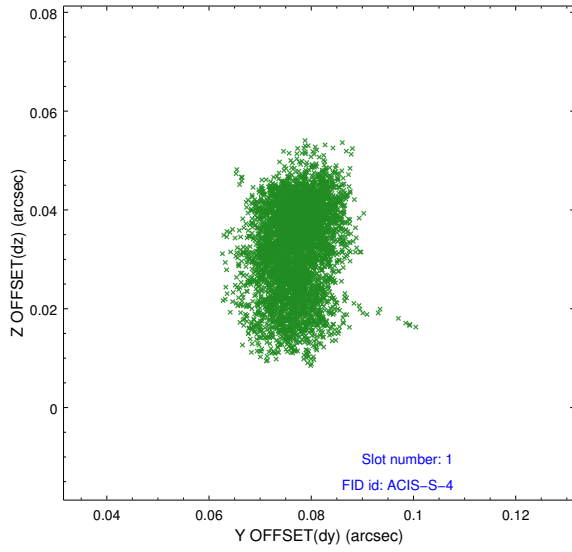


## 2.5 FID Slots

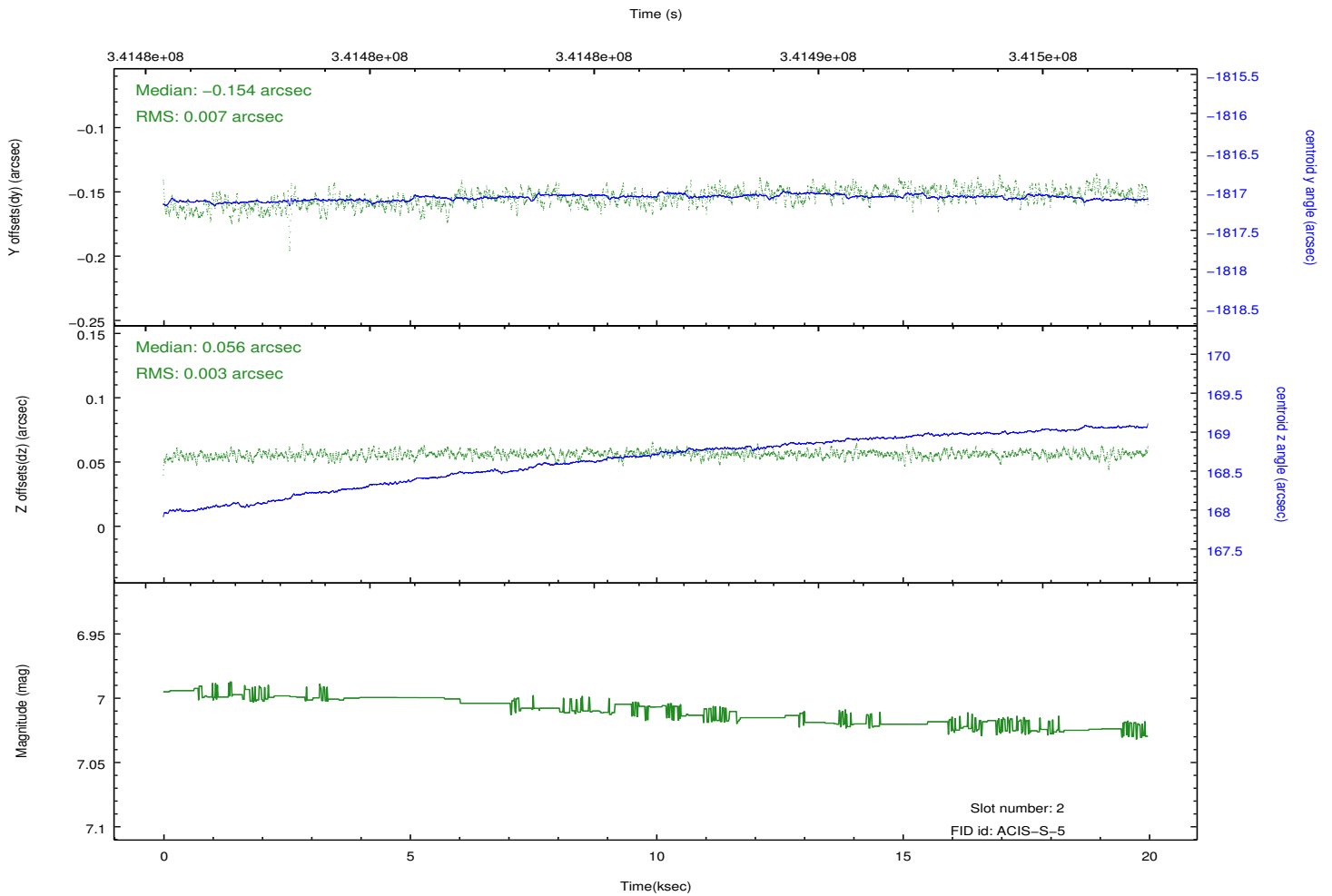
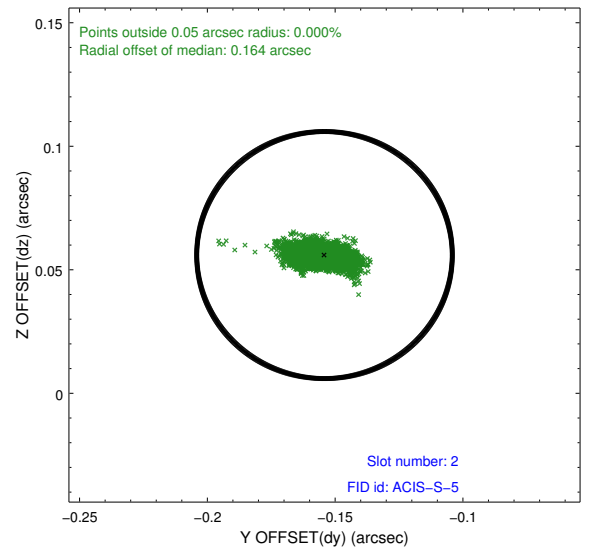
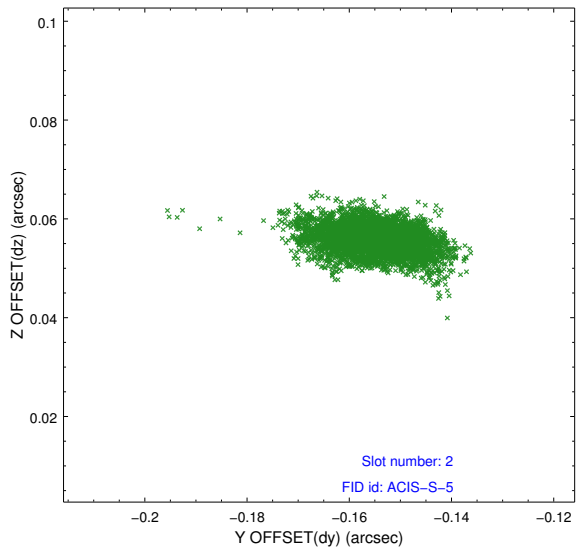
### 2.5.1 Slot 0



## 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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.9785

## A.2 Comments