

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 12803 - L2 Version 2  
Chandra X-Ray Center

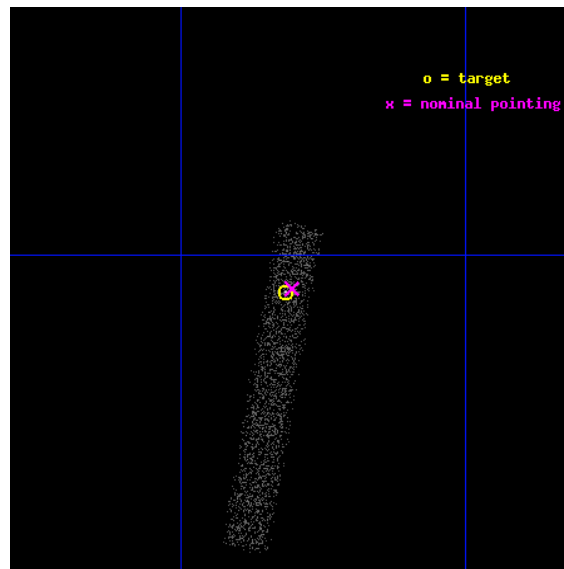
L2 Processing Date : Feb 20 2012

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# 1 Front

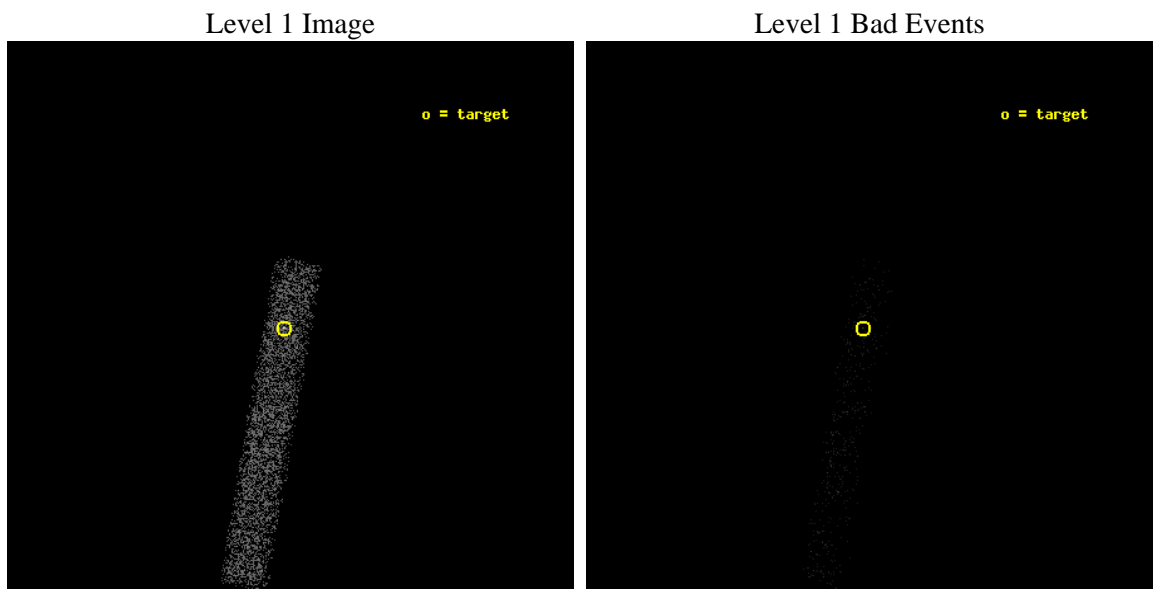
seq_num	702439	Sequence number
obs_id	12803	Observation id
title	Exploring the X-ray Properties of the Highest-Luminosity Double-Peaked Emitters	Proposal title
observer	Bin Luo	Principal investigator
object	SDSS J040148.98-054056.5	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	60.454167	Observer's specified target RA [deg]
dec_targ	-5.682361	Observer's specified target Dec [deg]
ra_nom	60.451337443042	Nominal RA [deg]
dec_nom	-5.6811473330386	Nominal Dec [deg]
roll_nom	99.805534697331	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5009.5997014046	Sum of GTIs [s]
livetime	4543.4425008204	Livetime [s]
ontime7	5009.5997014046	Sum of GTIs [s]
l2events	3136	Number of level 2 events



## 2 OBI

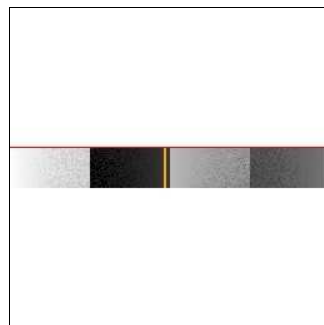
### 2.1 OBI

#### 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	8.4.3	Processing system revision	ontime	5009.5997014046	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime7	5009.5997014046	Sum of GTIs [s]
date	2012-02-20T22:50:19	Date and time of file creation	l1events	6036	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	6036
rejected events	2765
rejected %	45%

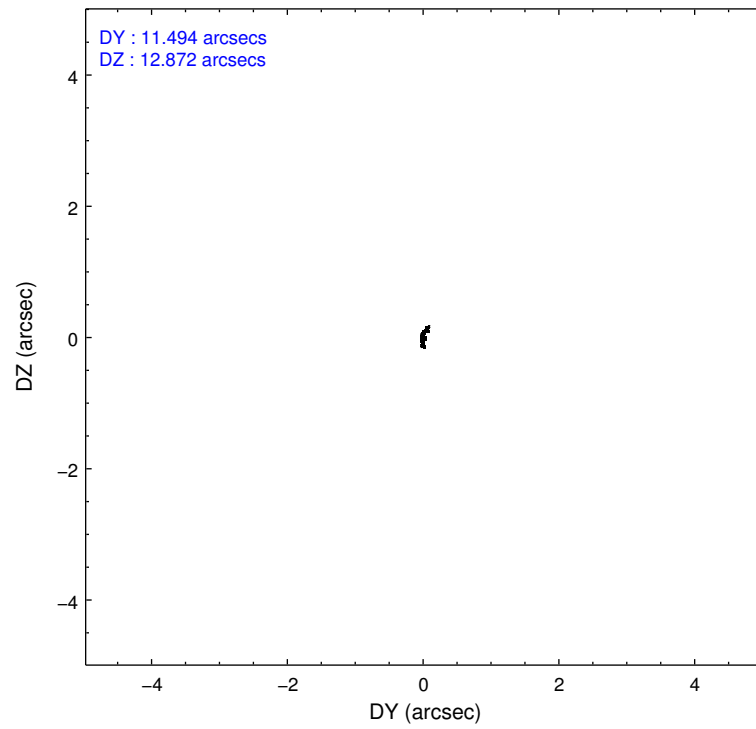
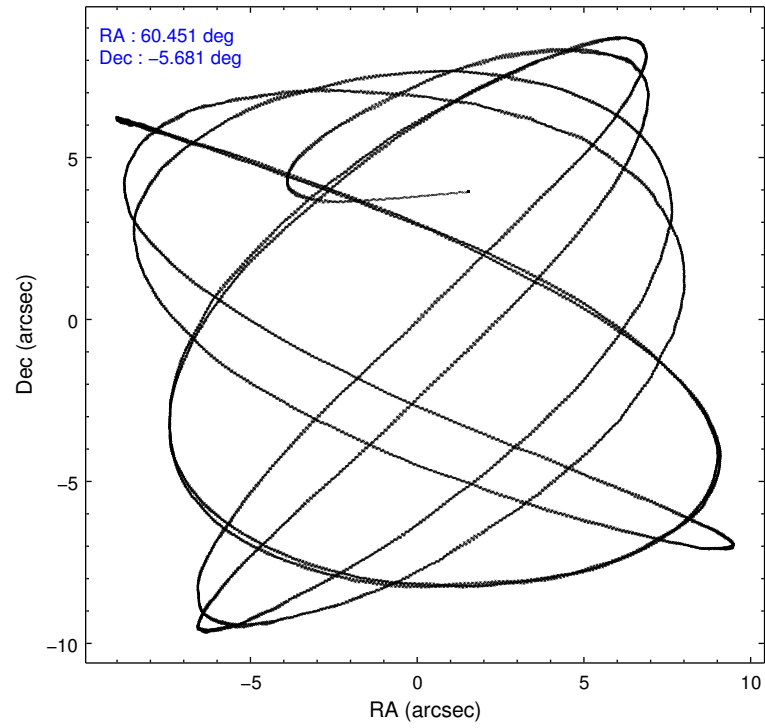
	<b>ccd 7</b>
grade 0 events	425
	7%
grade 1 events	6
	0%
grade 2 events	690
	11%
grade 3 events	424
	7%
grade 4 events	438
	7%
grade 5 events	598
	9%
grade 6 events	1295
	21%
grade 7 events	2160
	35%

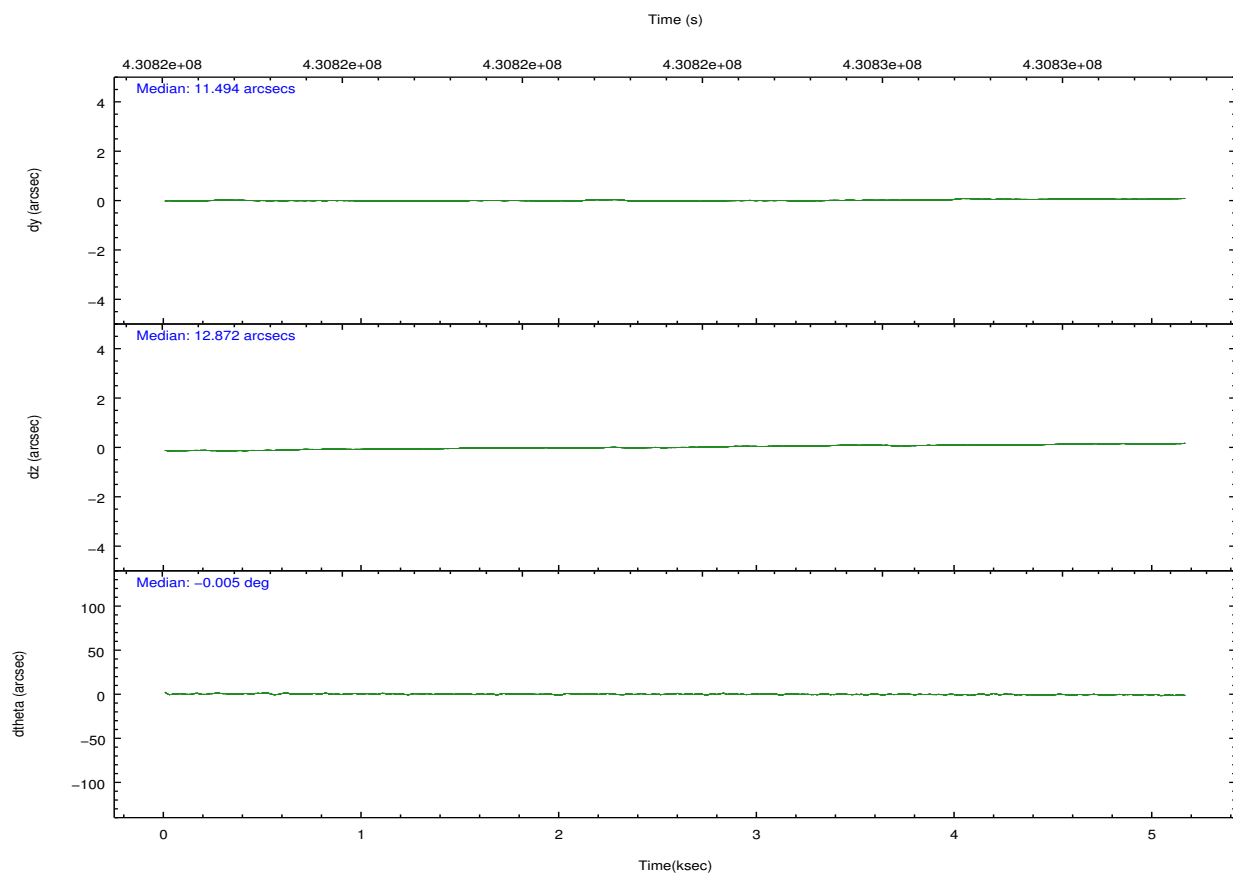
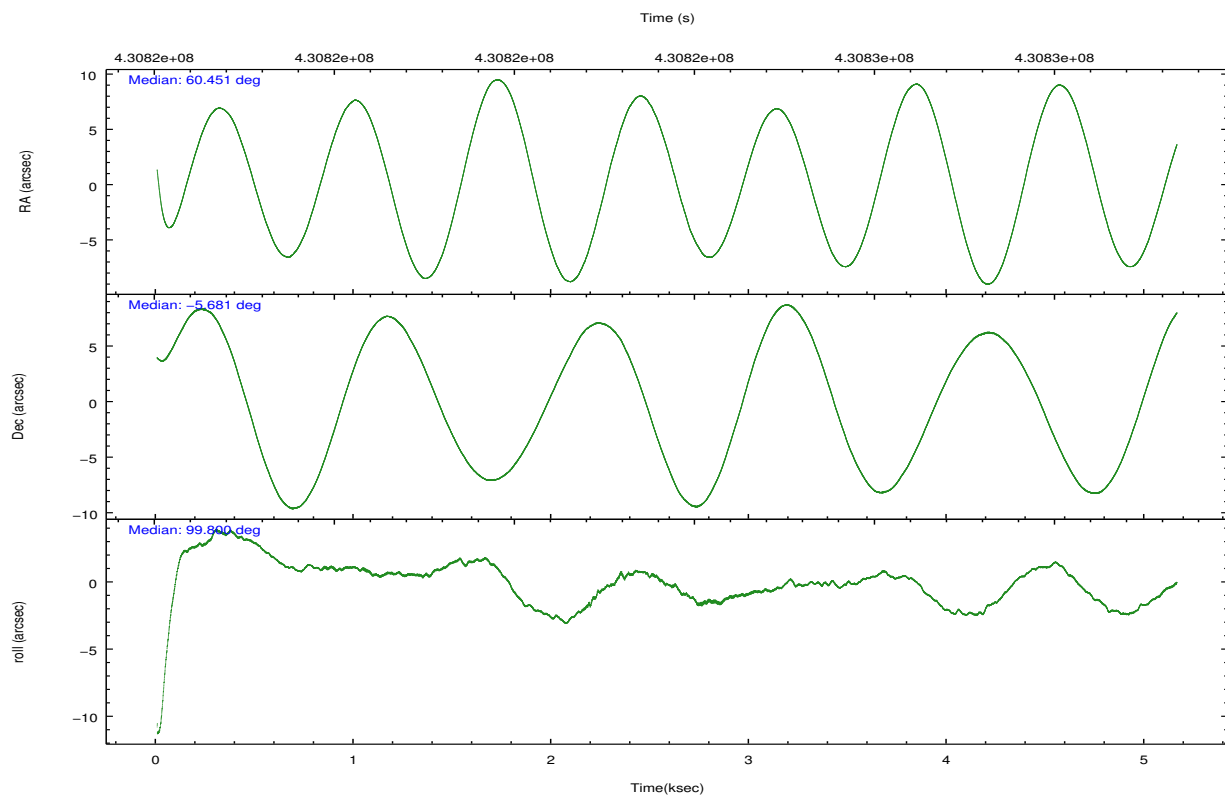


## 2.2 Compared Parameters

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	60.469244	60.45133744304211	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-5.701956	-5.681147333038556	Subarray start row	449	449
[deg] Pointing Roll	99.650715	99.80553469733091	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)	430822440.184000	430821535.05799			
Observation start date	2011-08-27T08:52:54	2011-08-27T08:38:55			
[s] Observation end time (MET)	430827440.184000	430828652.14587			
Observation end date	2011-08-27T10:16:14	2011-08-27T10:37:32			
Read mode	TIMED	TIMED			

## 2.3 Aspect



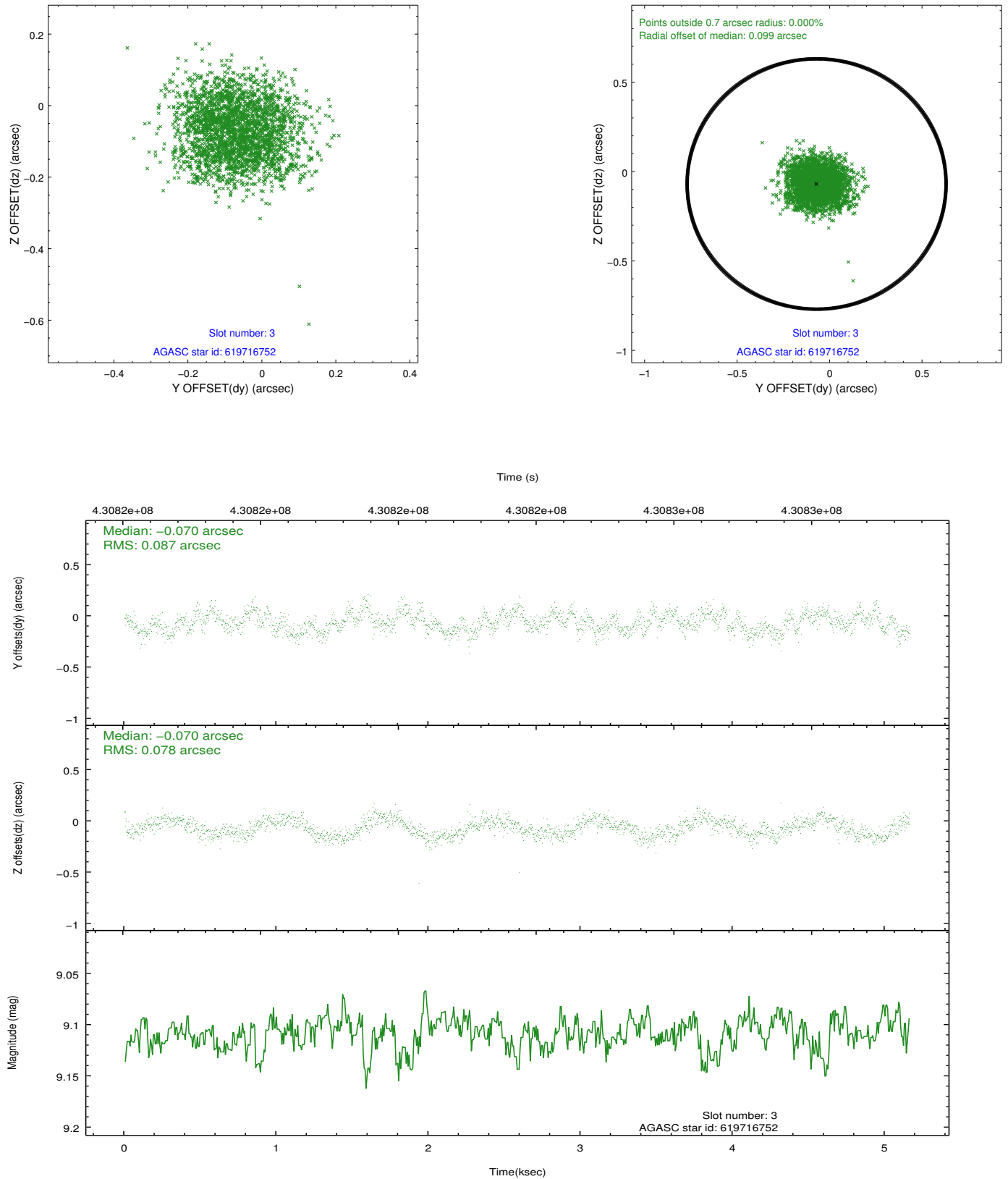


### Slot Statistics

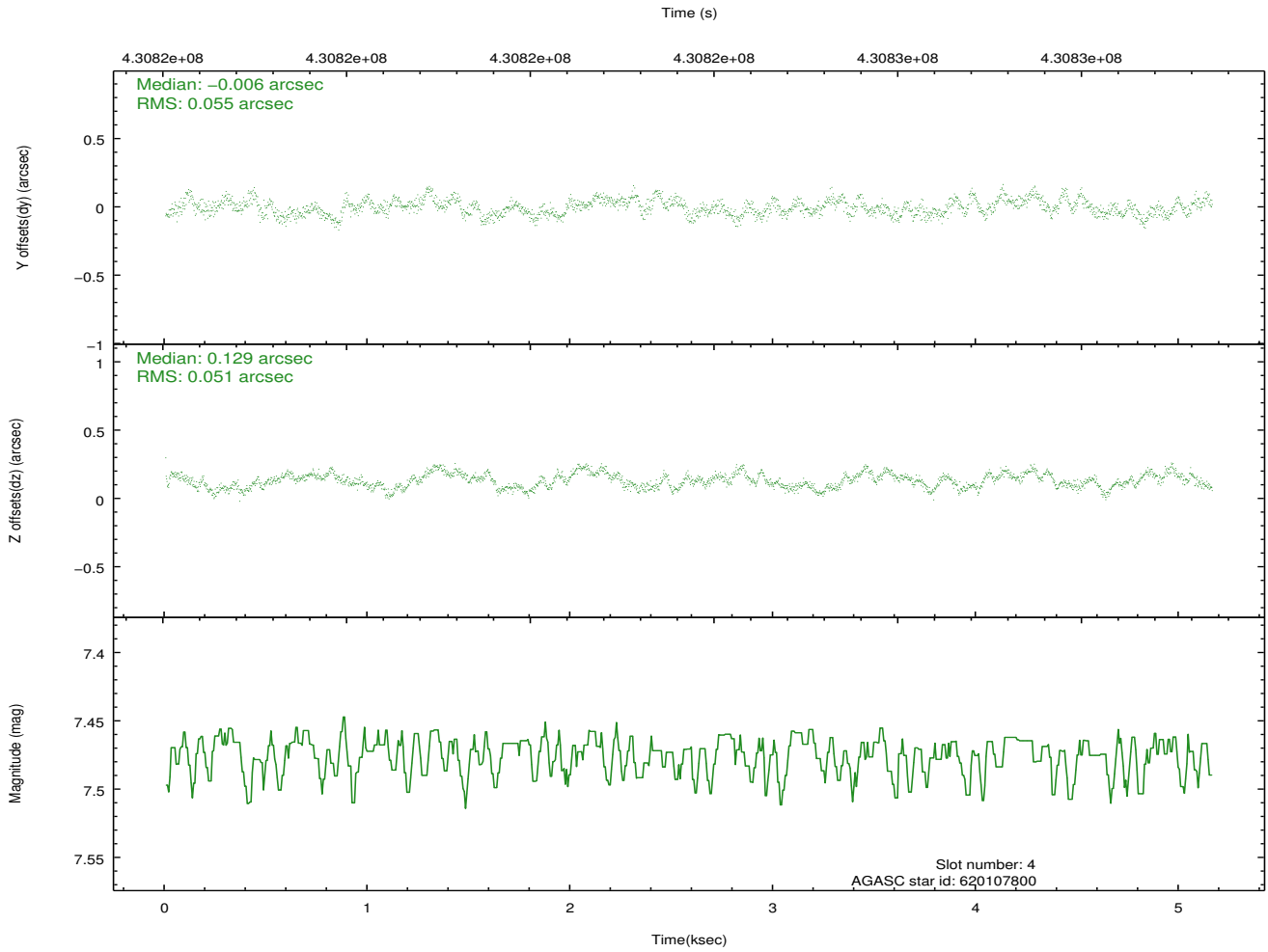
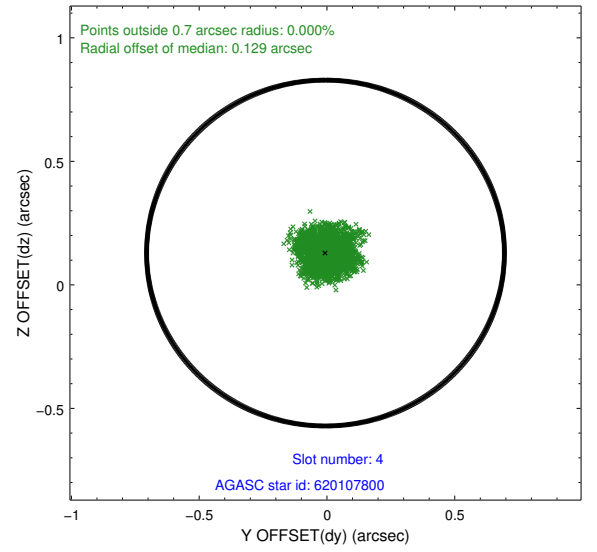
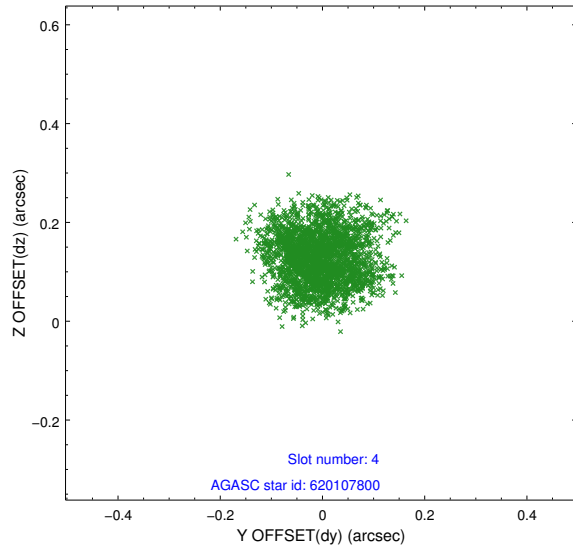
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.07	1258	0.150	-0.071	0.006	0.011	0.000000	0.000000	931.78	-1729.87
1	FID	ACIS-S-2	6.98	1259	-0.049	-0.017	0.007	0.013	0.000000	0.000000	-763.67	-1735.55
2	FID	ACIS-S-5	7.11	1259	-0.125	0.094	0.006	0.011	0.000000	0.000000	-1818.15	166.68
3	GUIDE	619716752	9.11	2515	-0.070	-0.070	0.126	0.195	60.852816	-4.984914	2314.00	-1788.70
4	GUIDE	620107800	7.47	2517	-0.006	0.129	0.082	0.124	60.559101	-5.979893	-1039.49	-149.91
5	GUIDE	620107864	9.07	2517	-0.126	0.084	0.110	0.179	60.679656	-5.179414	1727.27	-1058.98
6	GUIDE	620112432	8.42	2517	0.114	0.130	0.081	0.129	61.124252	-6.172830	-2064.53	-2027.25
7	GUIDE	620112464	7.16	2516	0.084	-0.267	0.077	0.126	60.077438	-6.384255	-2187.73	1792.48

## 2.4 Star Slots

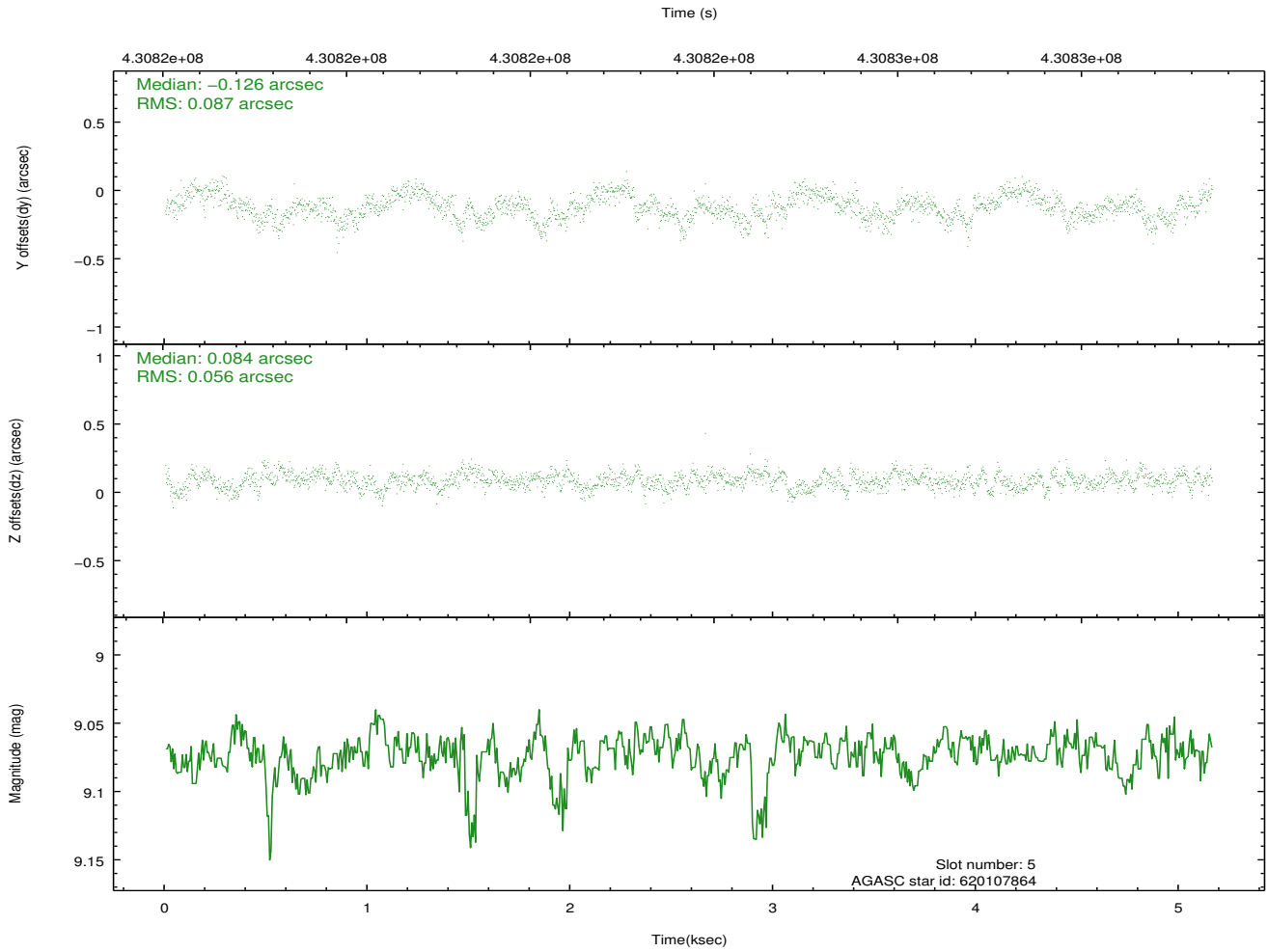
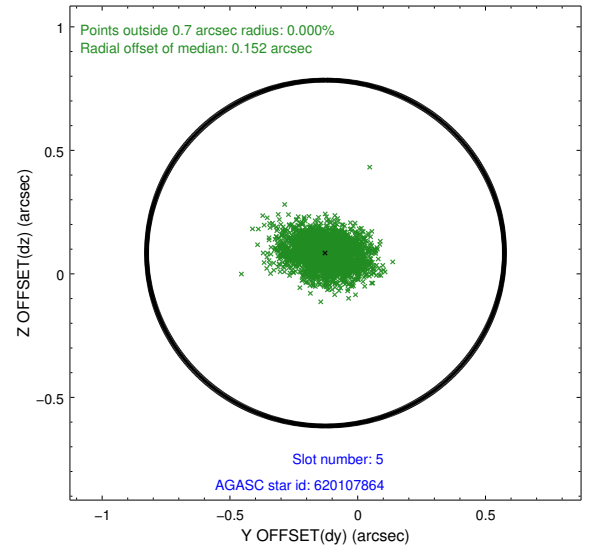
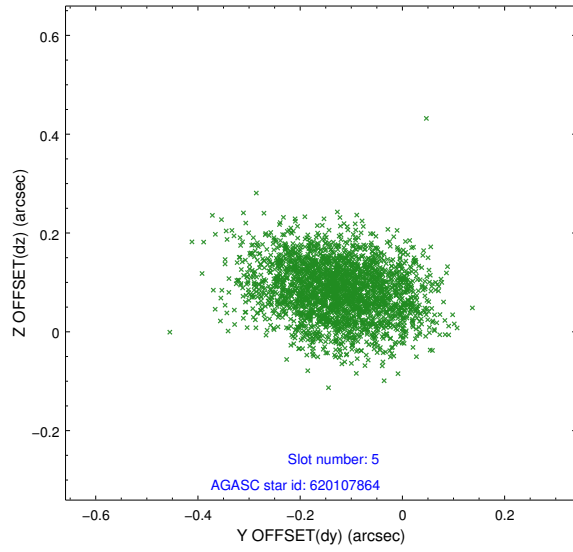
### 2.4.1 Slot 3



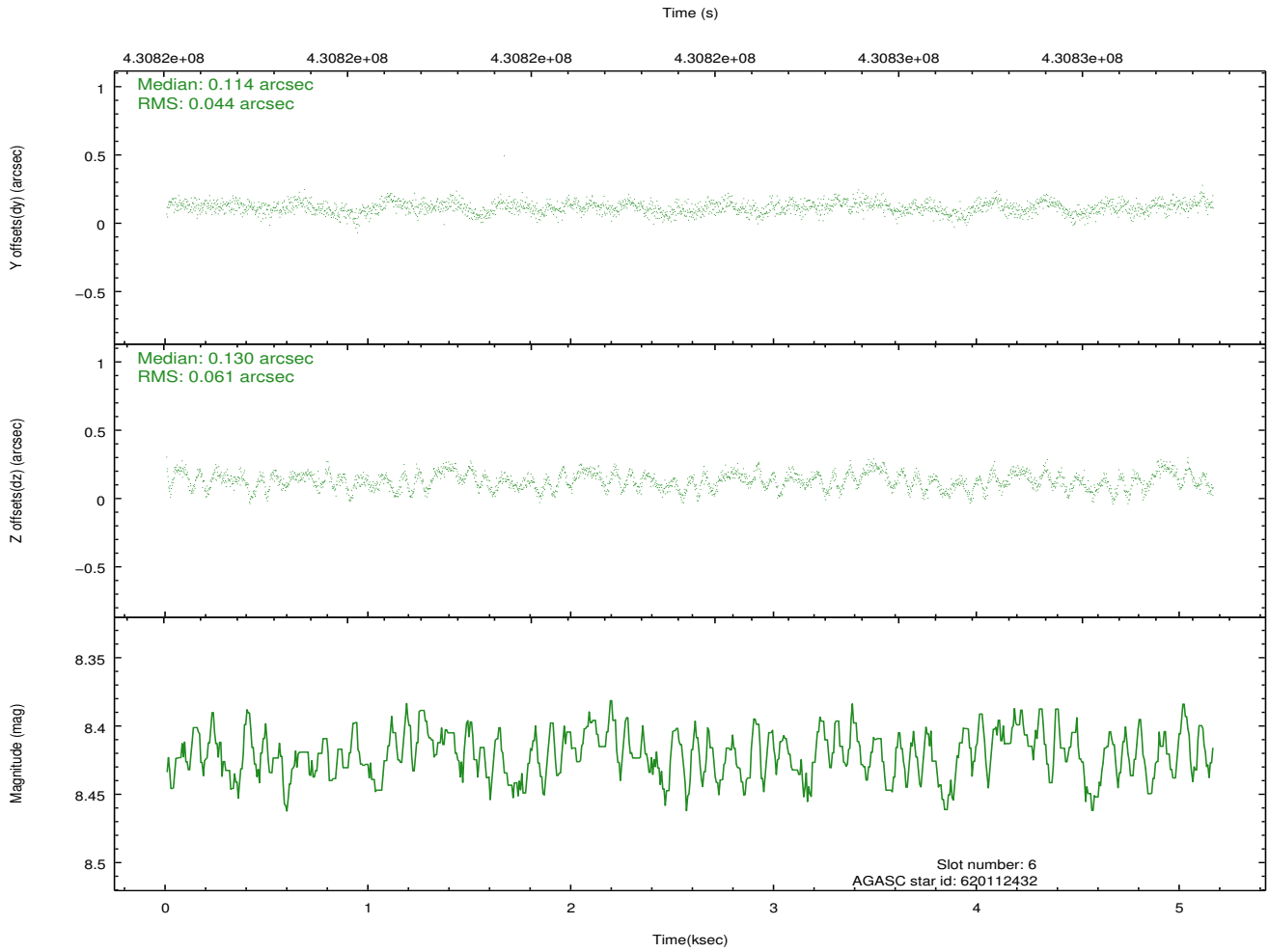
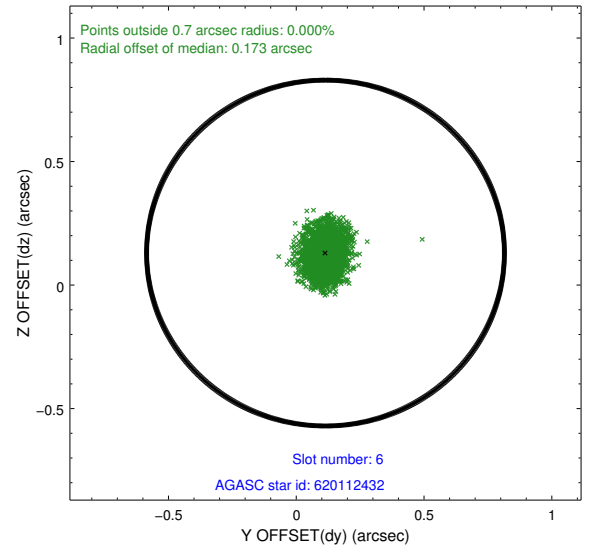
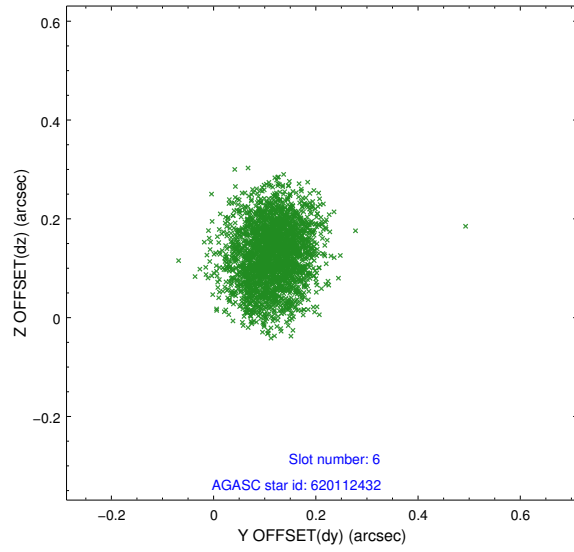
## 2.4.2 Slot 4



### 2.4.3 Slot 5

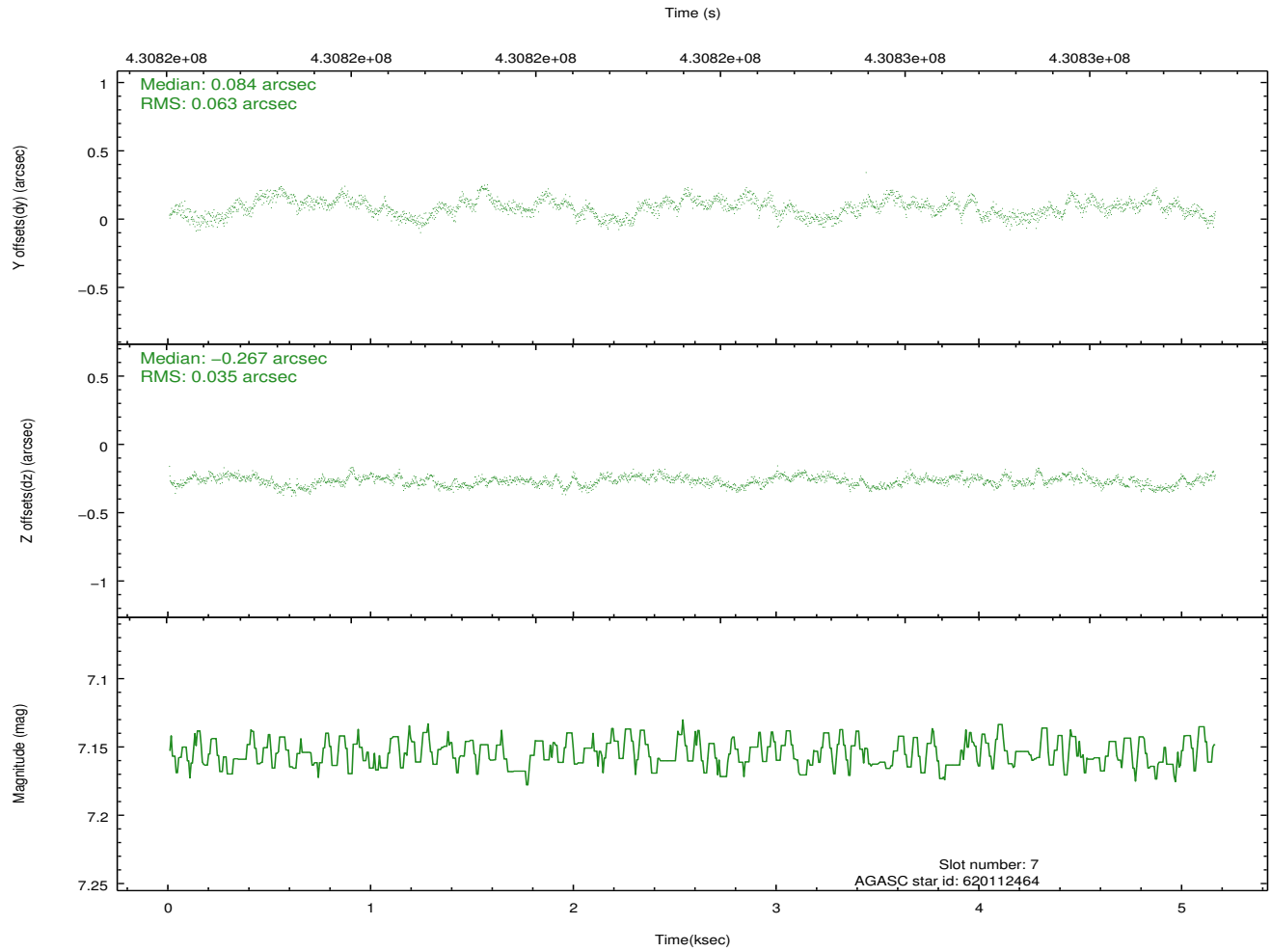
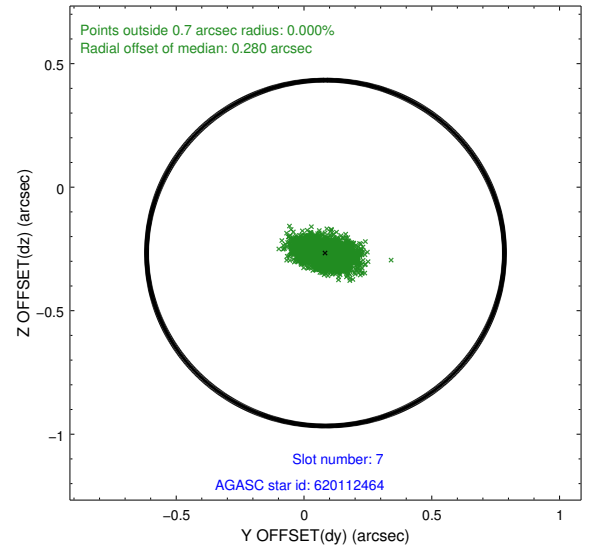
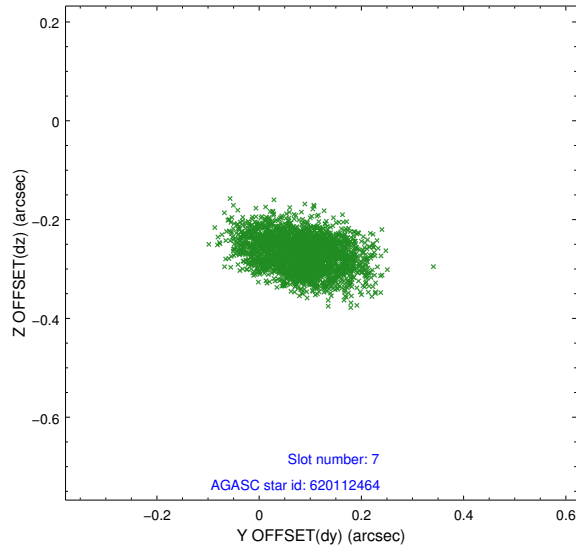


## 2.4.4 Slot 6



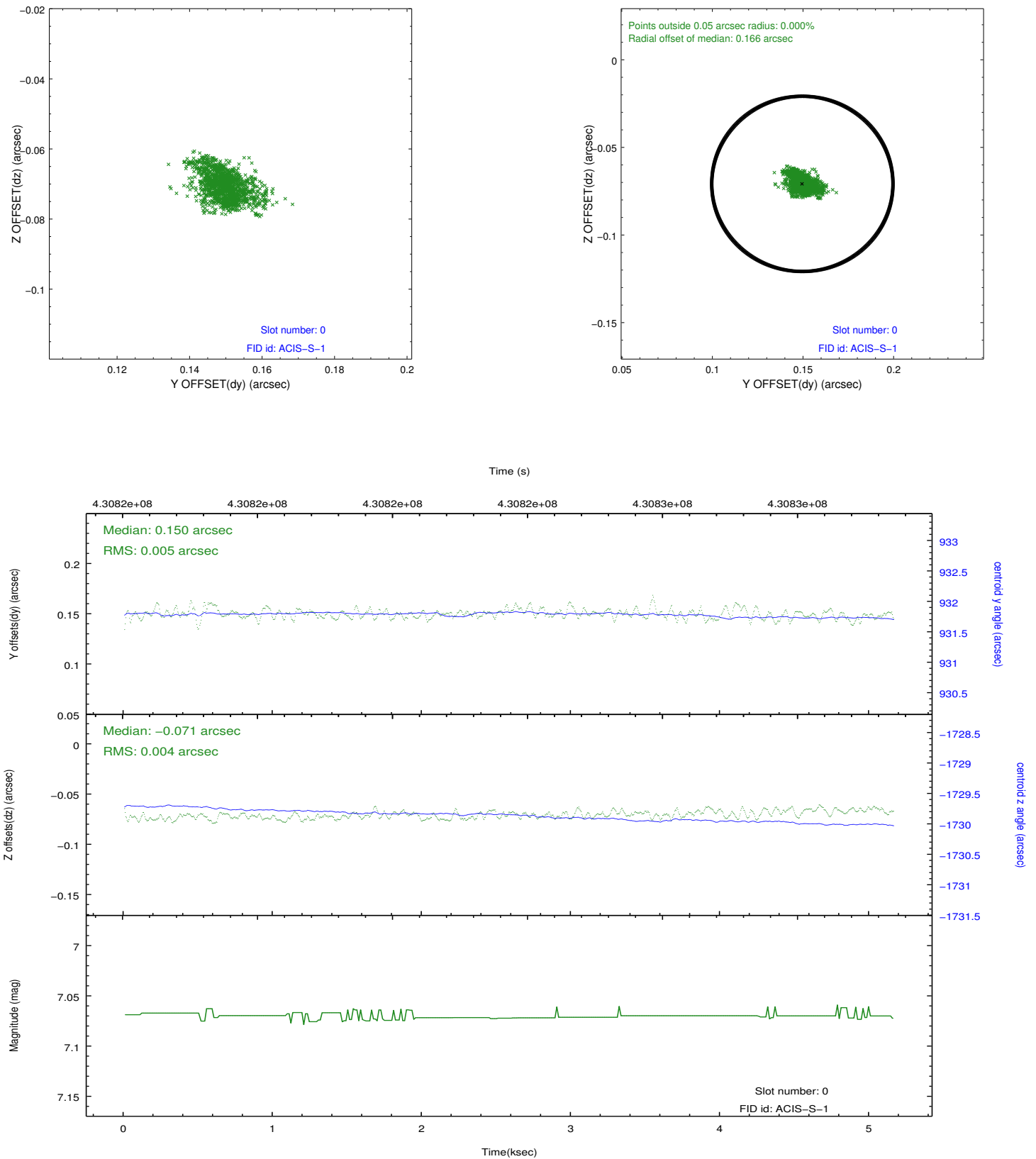


## 2.4.5 Slot 7

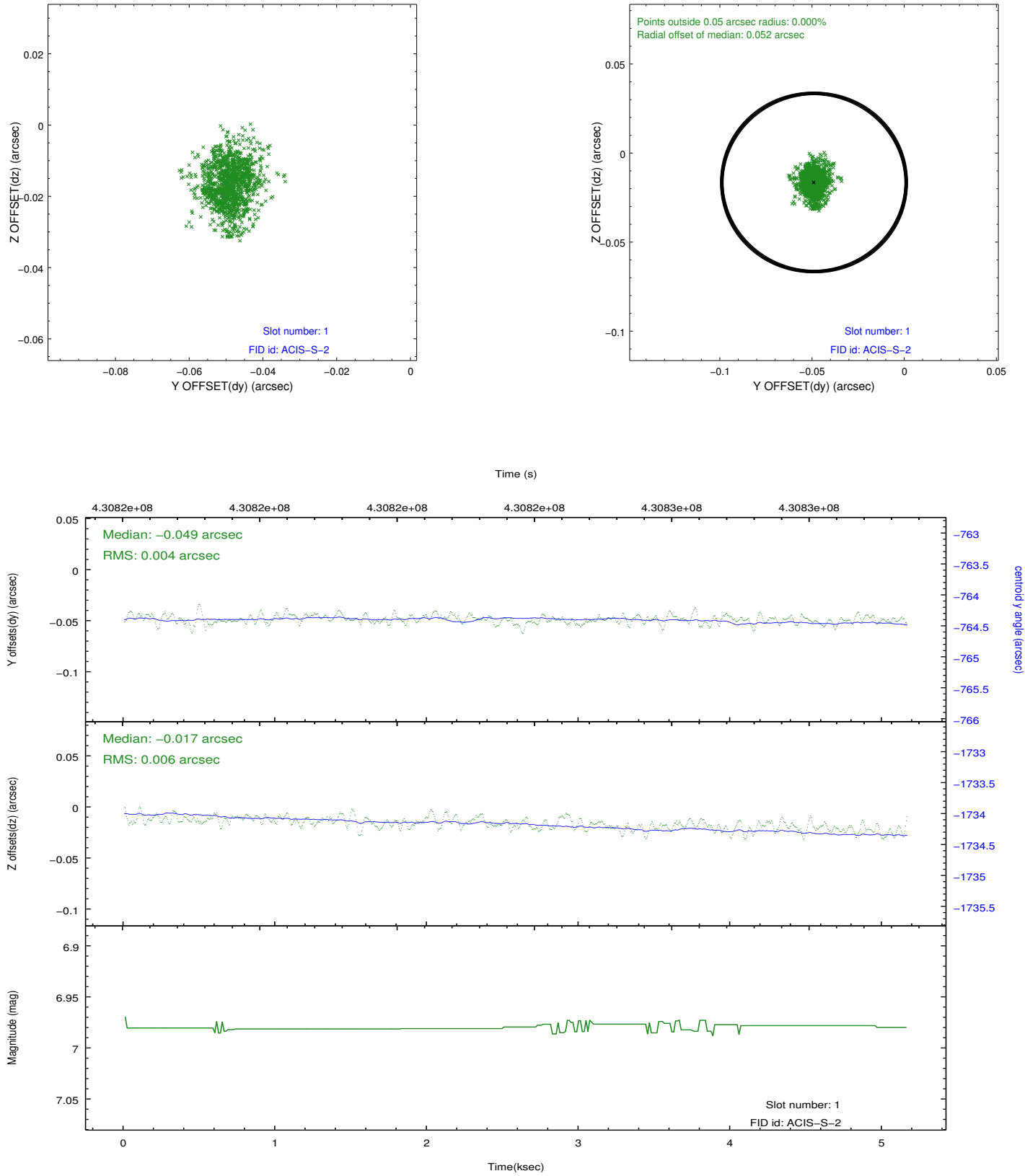


## 2.5 FID Slots

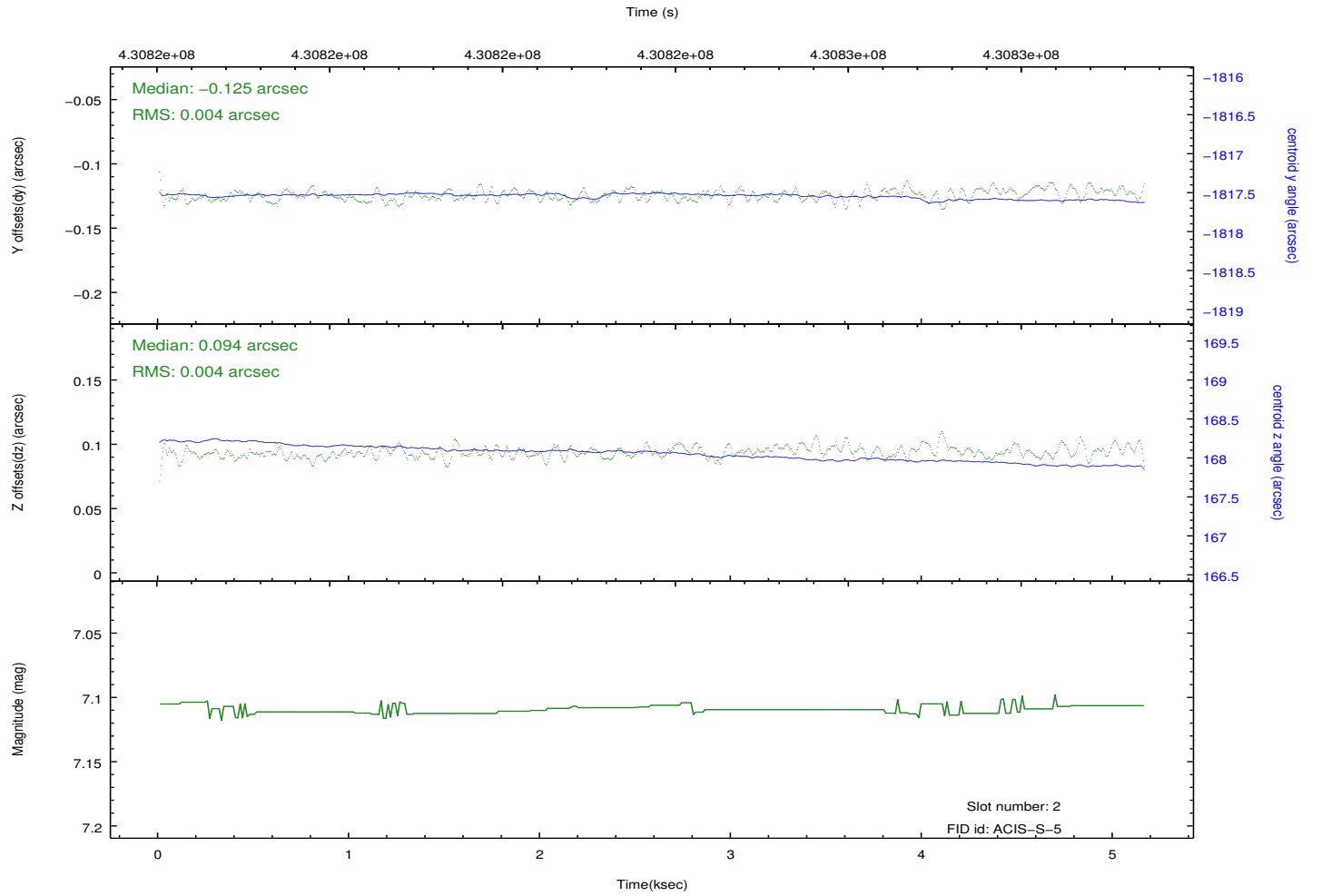
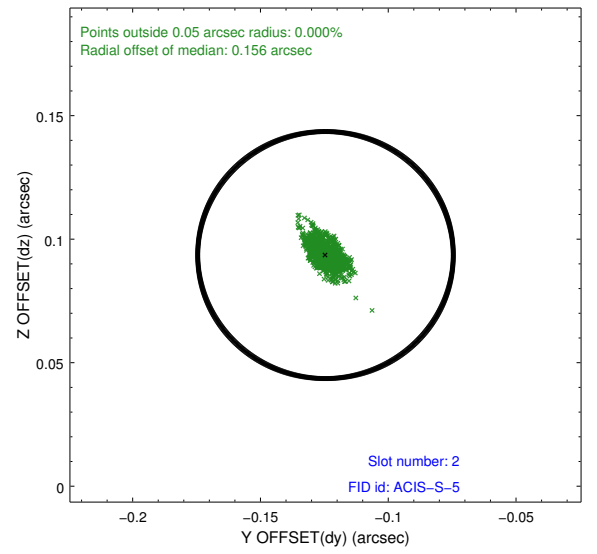
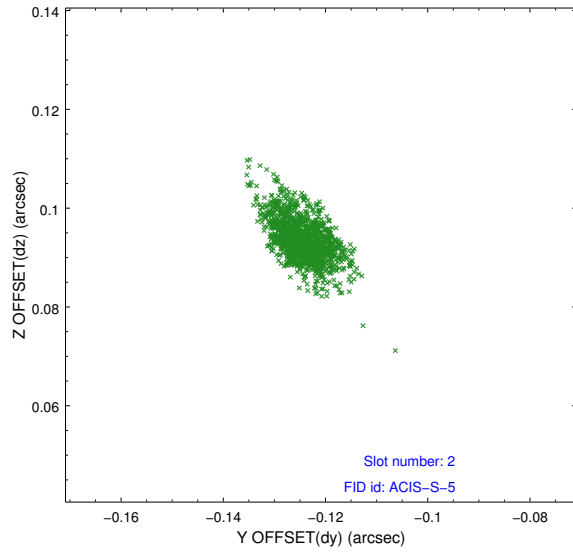
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0095997014046

### A.2 Comments