

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10327 - L2 Version 2  
Chandra X-Ray Center

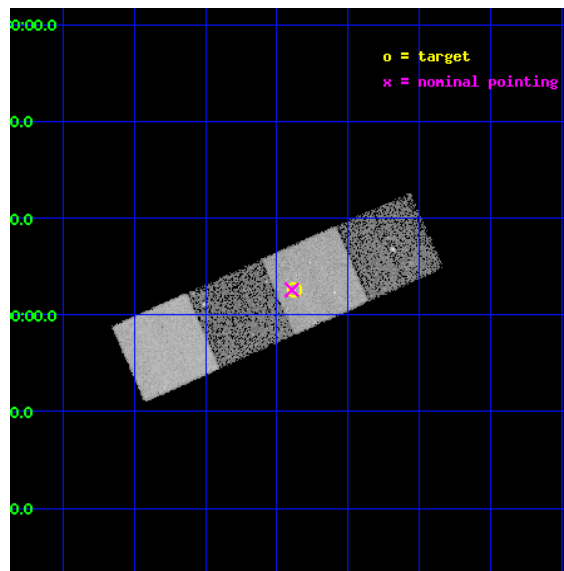
L2 Processing Date : May 25 2012

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# 1 Front

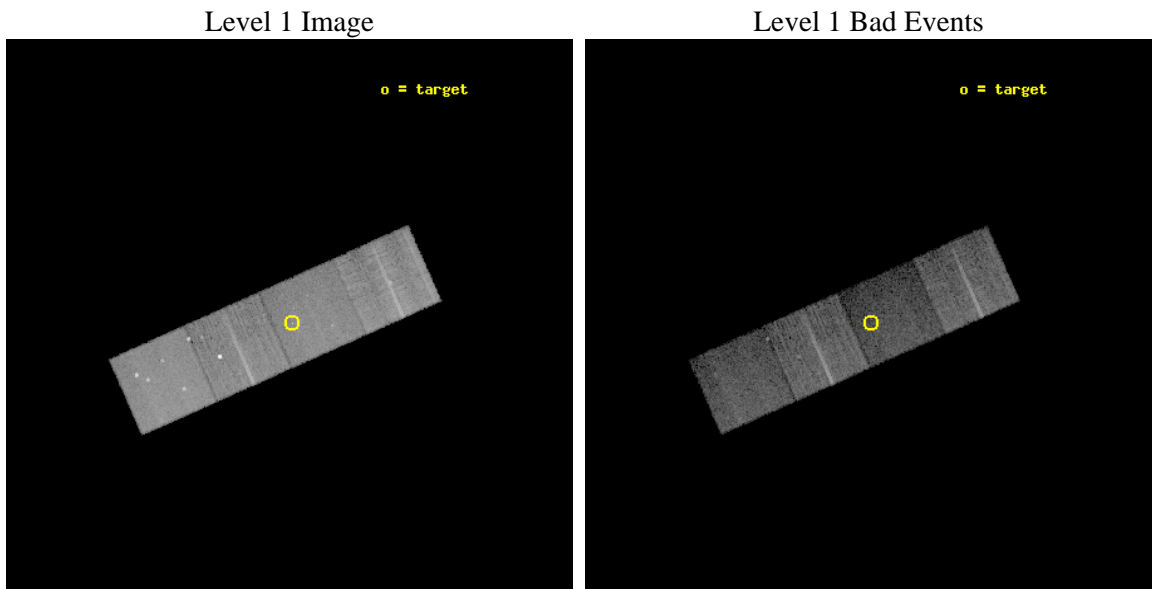
seq_num	701870	Sequence number
obs_id	10327	Observation id
title	Luminous Compton-thick QSOs at z~1	Proposal title
observer	Dr. Roberto Gilli	Principal investigator
object	SDSS J034222.54-055727.9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	55.59375	Observer's specified target RA [deg]
dec_targ	-5.95775	Observer's specified target Dec [deg]
ra_nom	55.598543726499	Nominal RA [deg]
dec_nom	-5.9570665550354	Nominal Dec [deg]
roll_nom	336.03509794455	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9954.1000765562	Sum of GTIs [s]
livetime	9824.0424309541	Livetime [s]
ontime5	9954.1000765562	Sum of GTIs [s]
ontime6	9954.1000765562	Sum of GTIs [s]
ontime7	9954.1000765562	Sum of GTIs [s]
ontime8	9954.0627411008	Sum of GTIs [s]
l2events	101797	Number of level 2 events



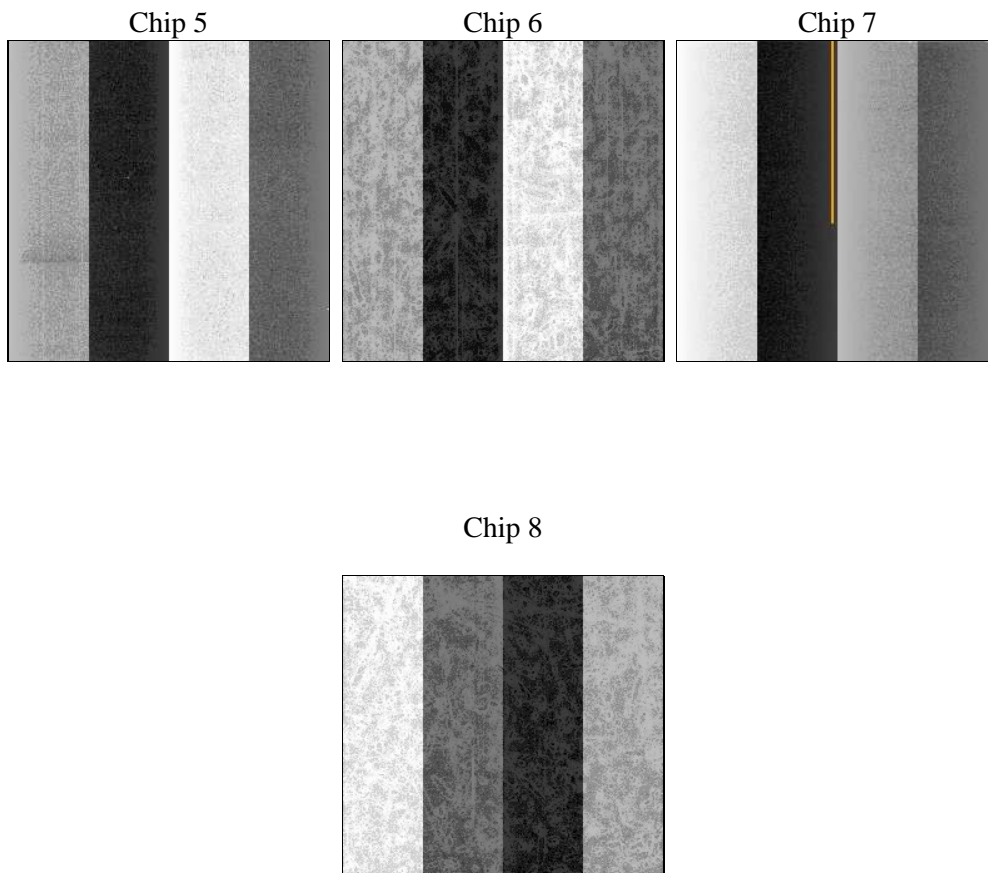
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	9954.1000765562	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime5	9954.1000765562	Sum of GTIs [s]
date	2012-05-25T18:03:19	Date and time of file creation	ontime6	9954.1000765562	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	9954.1000765562	Sum of GTIs [s]
			ontime8	9954.0627411008	Sum of GTIs [s]
			l1events	361573	Number of level 1 events

### 2.1.4 Events

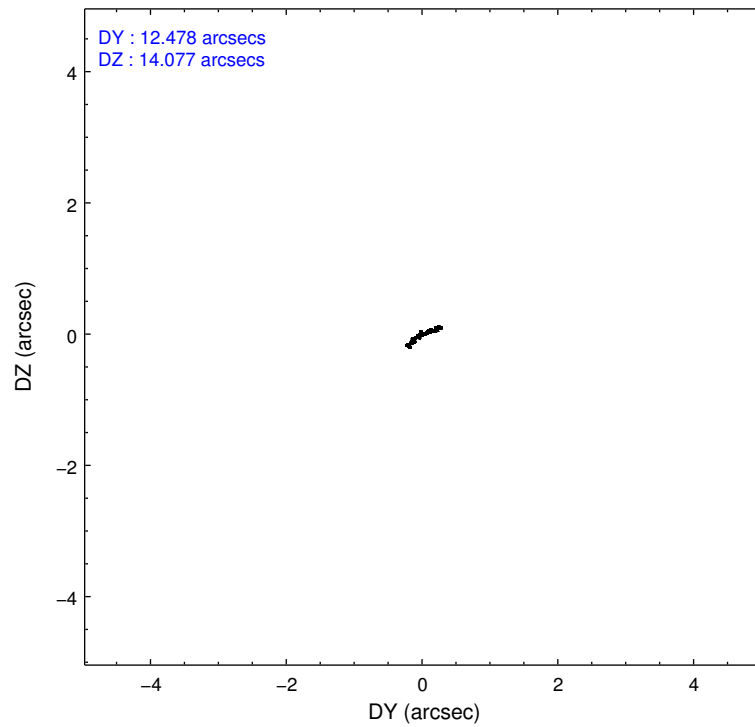
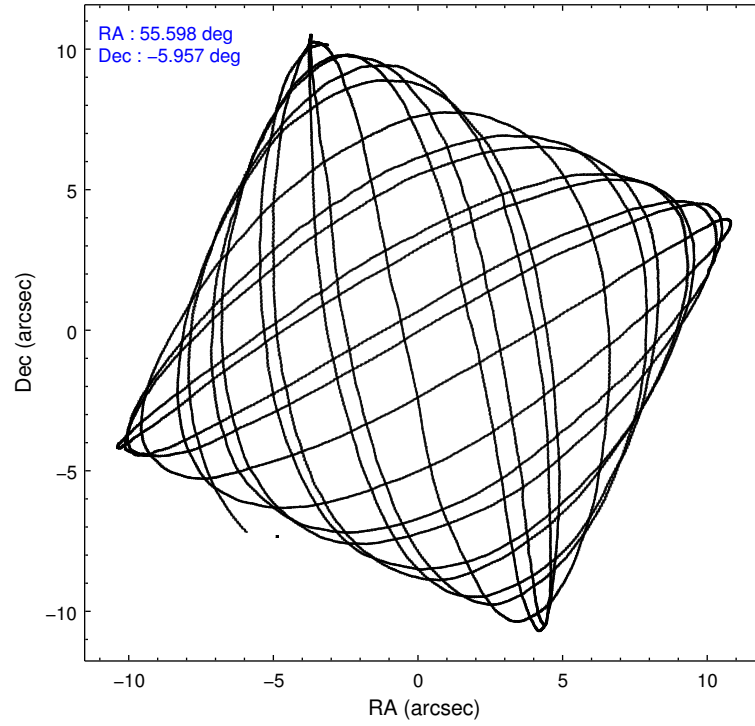
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	103279	84418	76655	97221
rejected events	47586	69948	38329	72512
rejected %	46%	82%	50%	74%

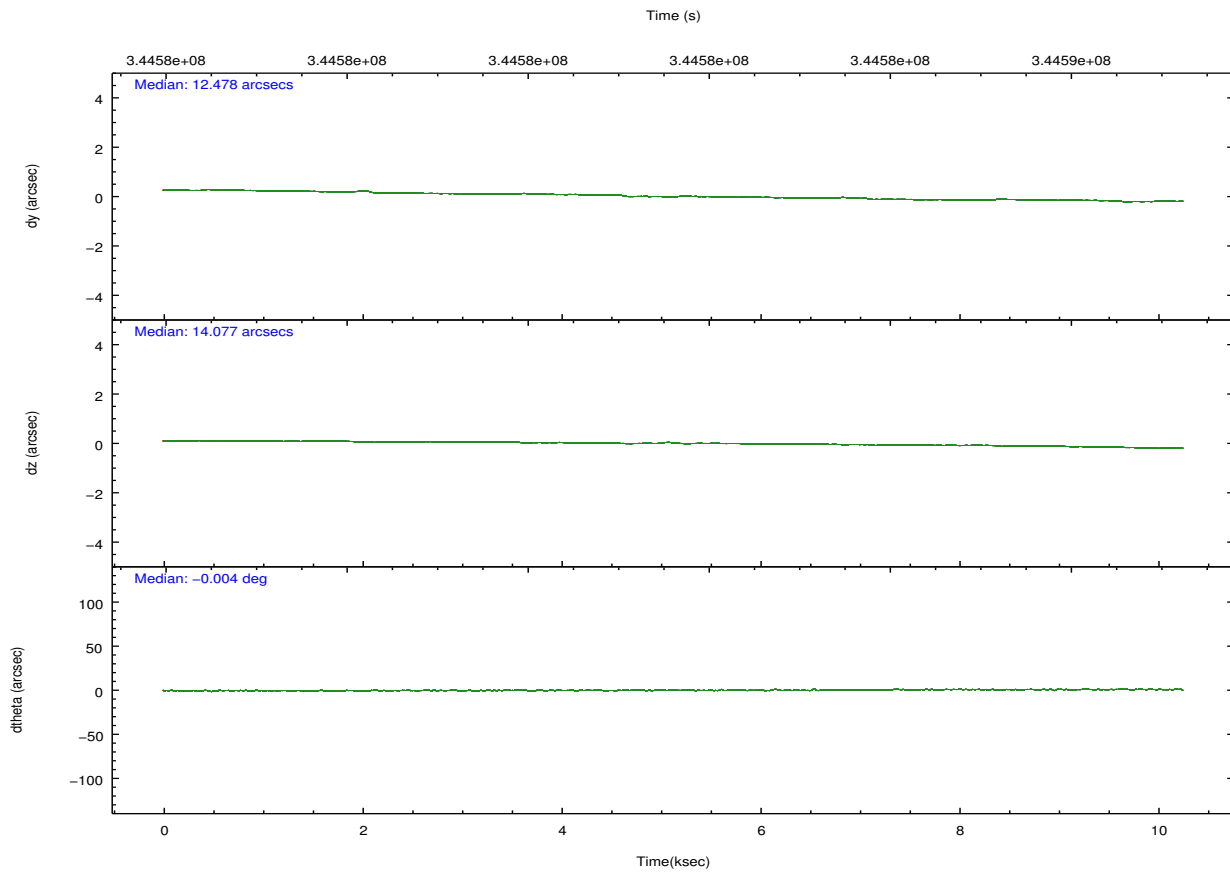
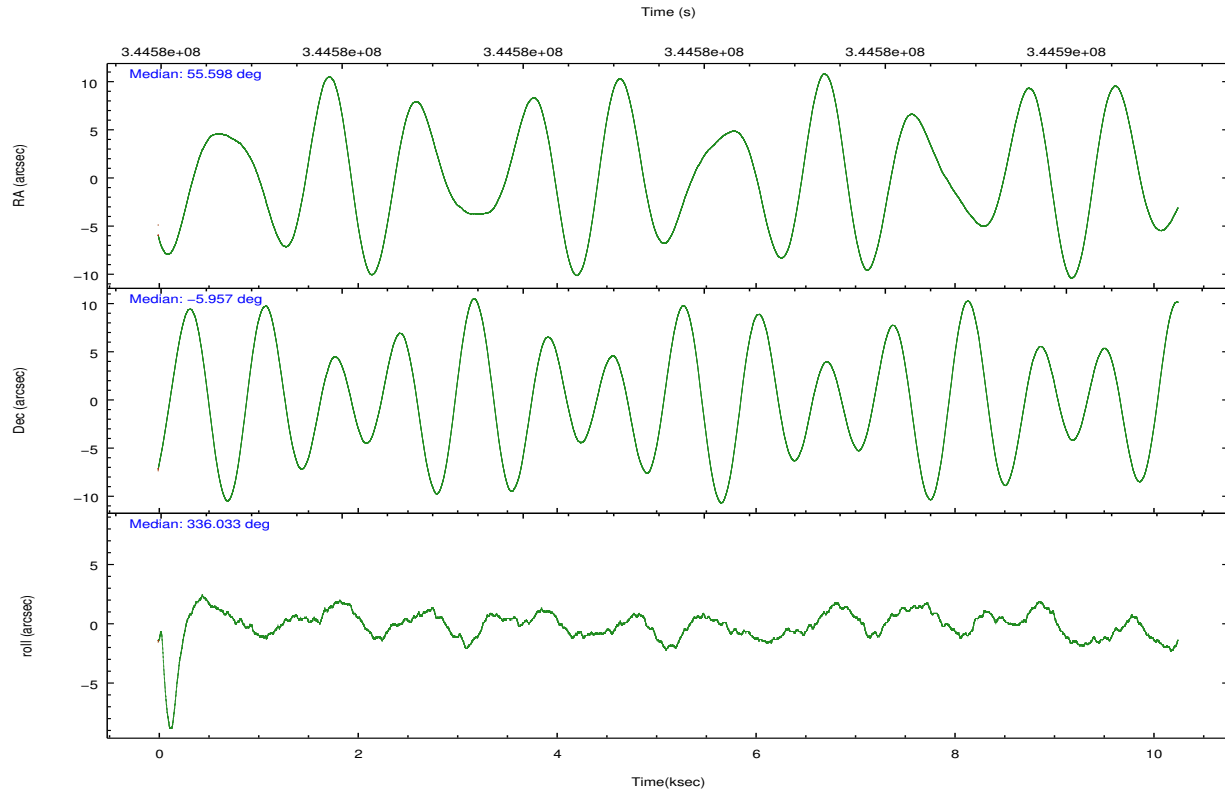
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7457	9132	4093	7170
	7%	10%	5%	7%
grade 1 events	377	78	126	70
	0%	0%	0%	0%
grade 2 events	16742	1840	8323	6013
	16%	2%	10%	6%
grade 3 events	2289	926	3534	2497
	2%	1%	4%	2%
grade 4 events	2304	883	3496	2362
	2%	1%	4%	2%
grade 5 events	8248	2577	7899	4193
	7%	3%	10%	4%
grade 6 events	26936	1699	18911	6717
	26%	2%	24%	6%
grade 7 events	38926	67283	30273	68199
	37%	79%	39%	70%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	55.571281	55.5985437264995	Subarray requested	NONE	NONE
[deg] Pointing Dec	-5.960338	-5.957066555035374	Alternating exposures requested	N	N
[deg] Pointing Roll	335.875637	336.0350979445501	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	344576722.184000	344575818.07015			
Observation start date	2008-12-02T03:44:17	2008-12-02T03:30:18			
[s] Observation end time (MET)	344586722.184000	344587349.83322			
Observation end date	2008-12-02T06:30:57	2008-12-02T06:42:29			
Read mode	TIMED	TIMED			

## 2.3 Aspect



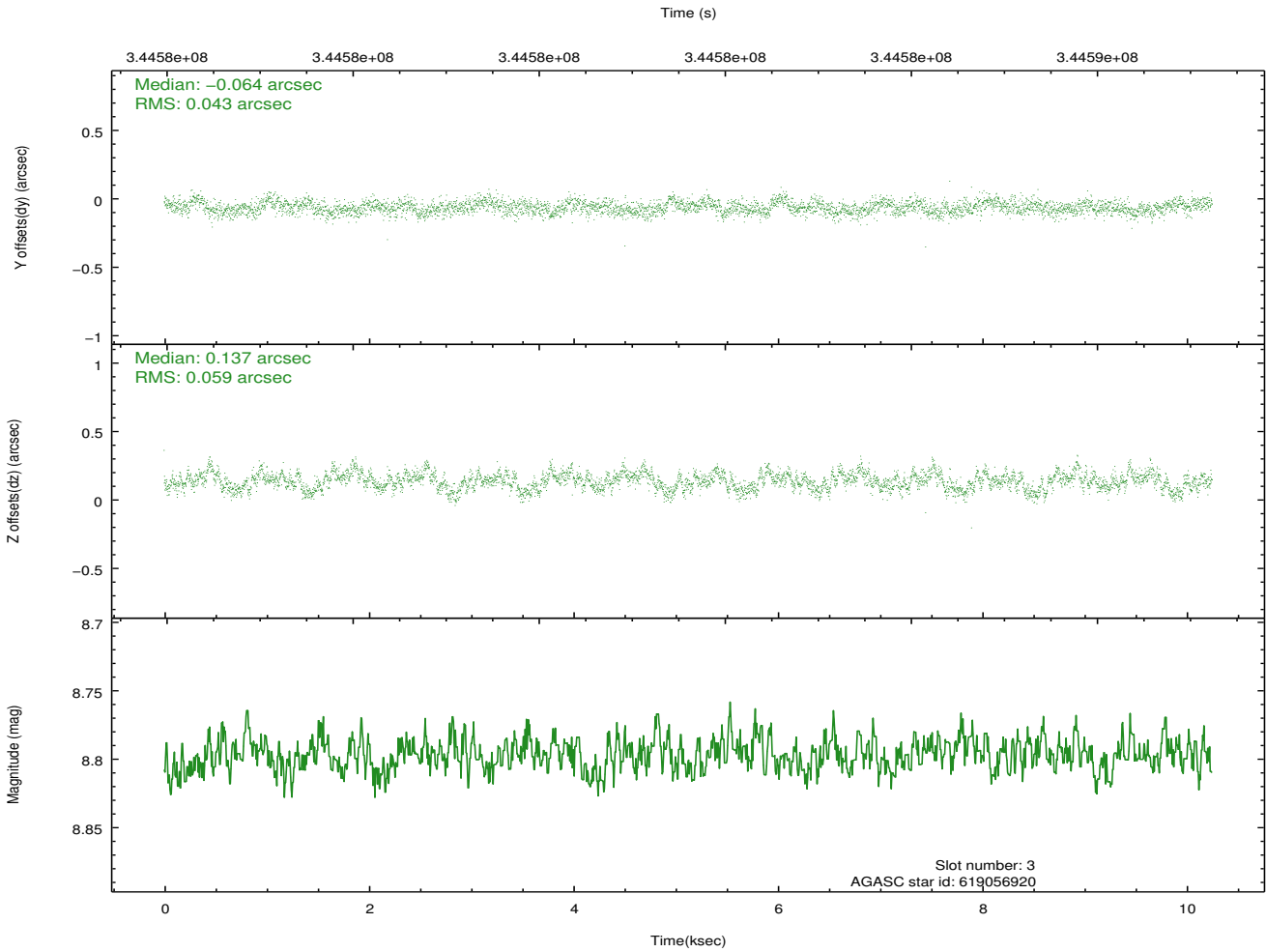
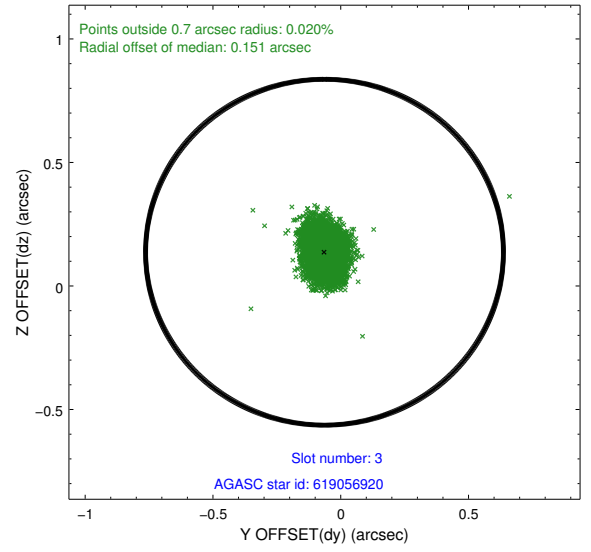
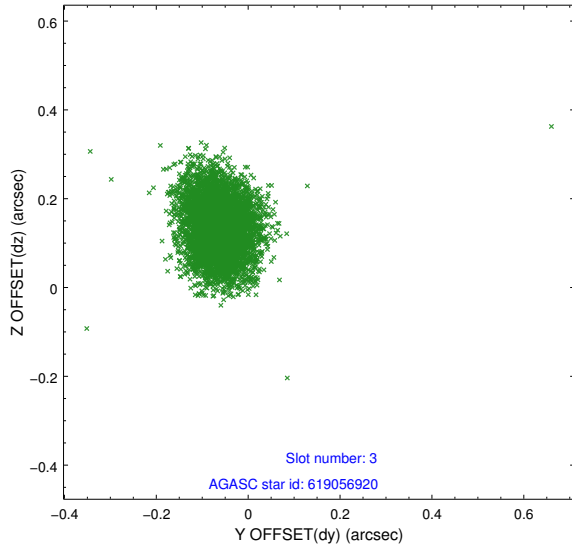


### Slot Statistics

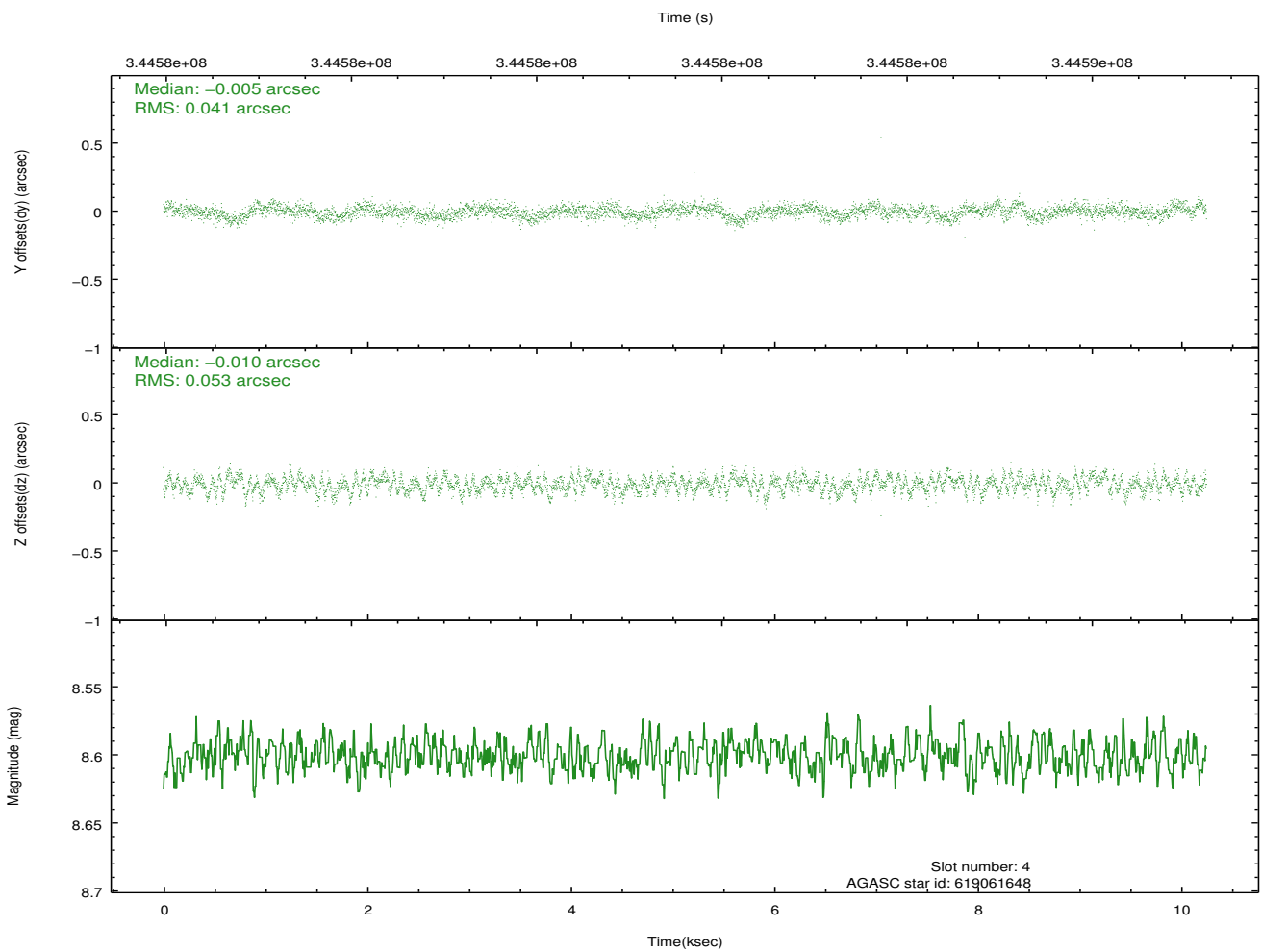
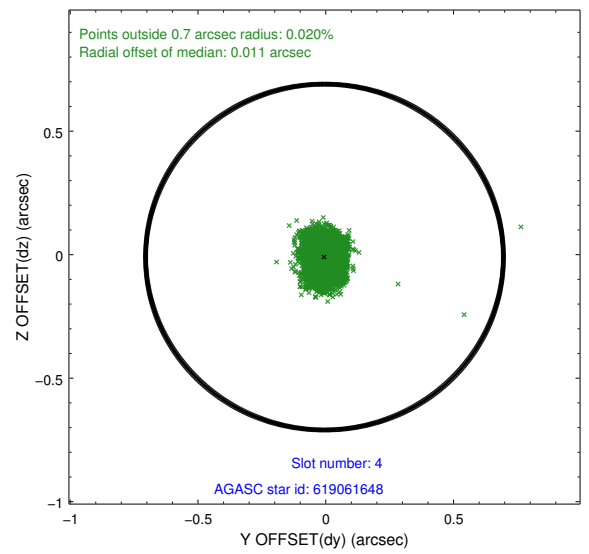
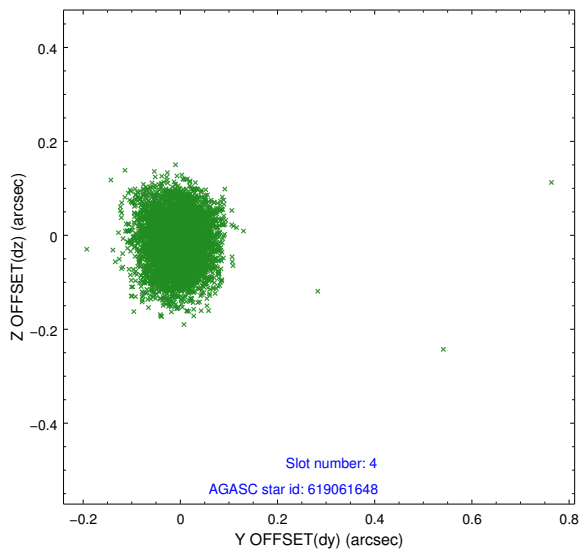
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2501	-0.039	-0.041	0.007	0.012	0.000000	0.000000	-765.43	-1735.47
1	FID	ACIS-S-4	6.97	2500	0.161	0.030	0.012	0.022	0.000000	0.000000	2147.80	172.57
2	FID	ACIS-S-5	7.01	2501	-0.154	0.020	0.009	0.016	0.000000	0.000000	-1817.74	166.80
3	GUIDE	619056920	8.80	5000	-0.064	0.137	0.077	0.126	56.048637	-5.906421	1481.39	875.46
4	GUIDE	619061648	8.60	4995	-0.005	-0.010	0.070	0.115	55.213493	-6.208360	-802.75	-1338.40
5	GUIDE	619062224	9.18	4999	0.152	-0.137	0.076	0.124	56.012613	-6.056560	1584.47	329.23
6	GUIDE	619063072	9.16	4999	-0.038	0.007	0.077	0.124	55.922608	-5.844504	979.04	894.61
7	GUIDE	619063688	8.60	4999	-0.045	0.005	0.066	0.106	55.377011	-6.073139	-468.05	-654.69

## 2.4 Star Slots

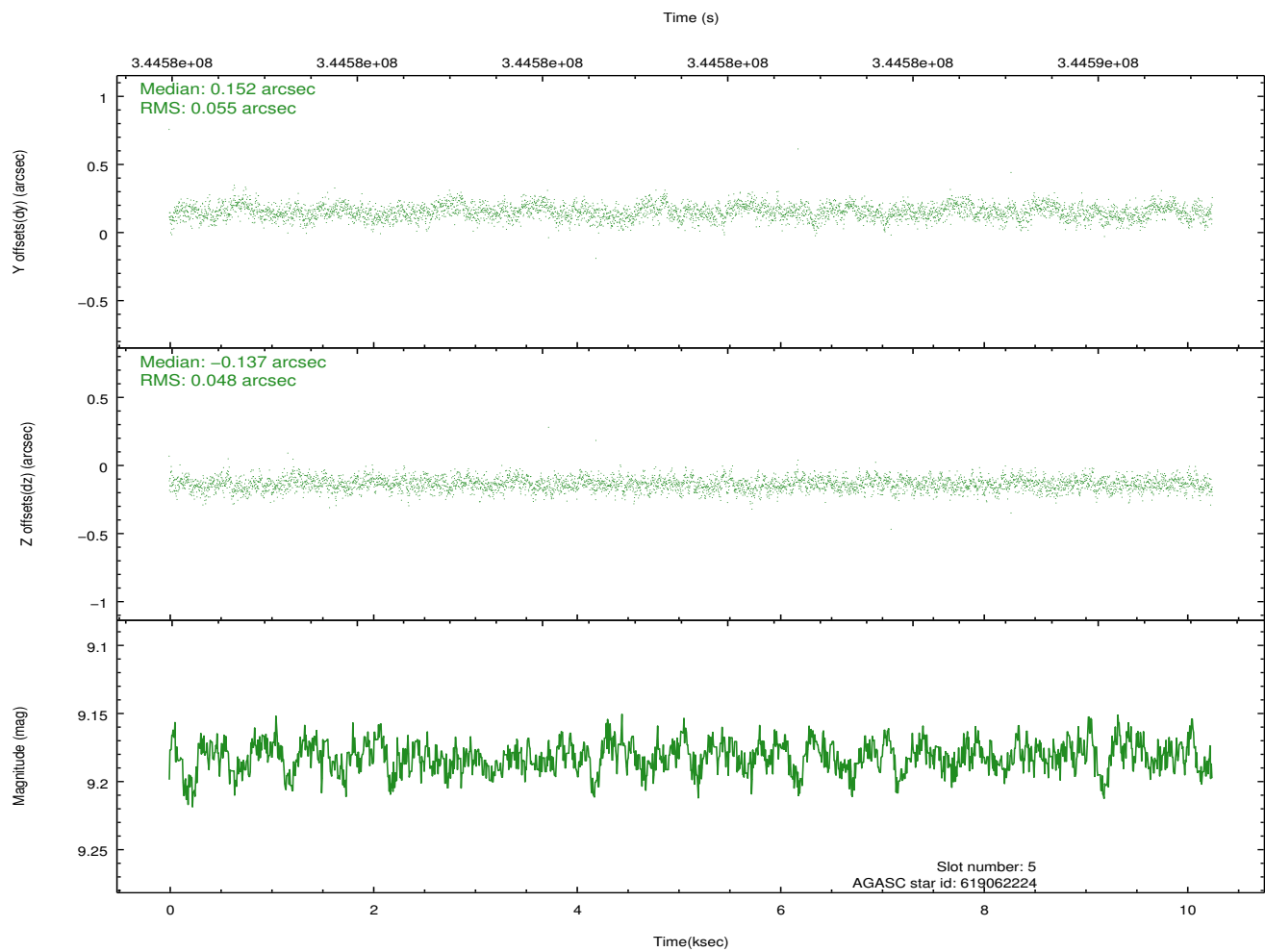
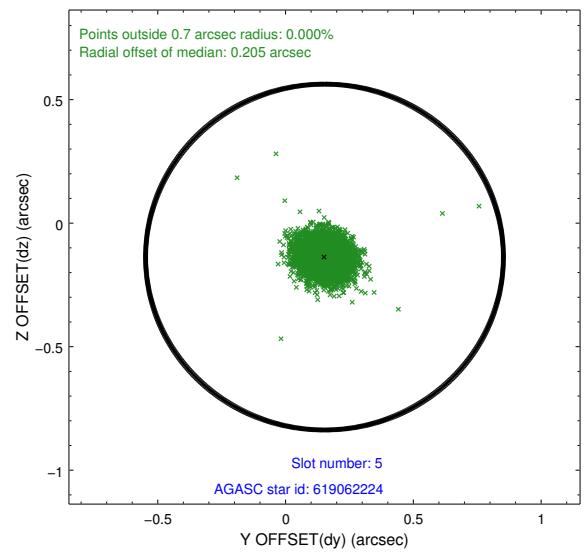
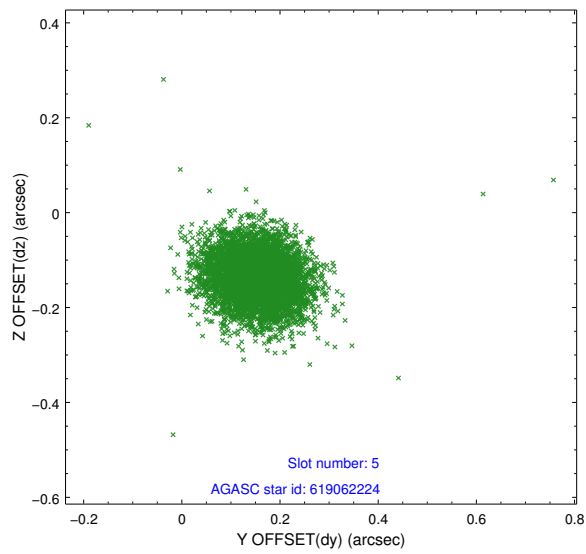
### 2.4.1 Slot 3



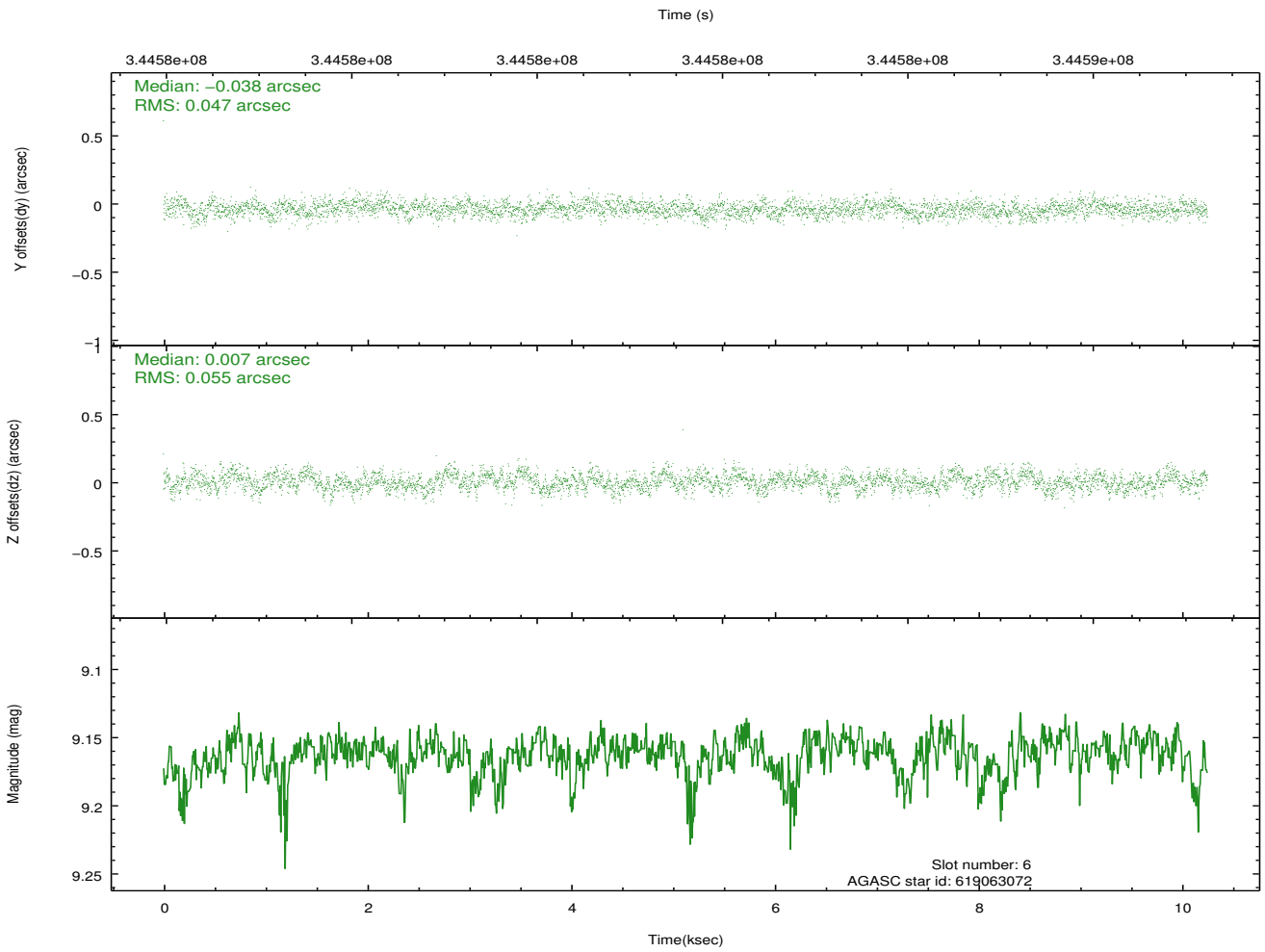
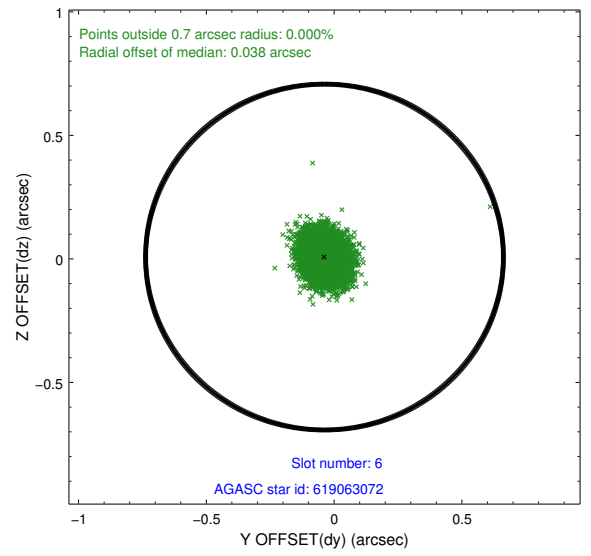
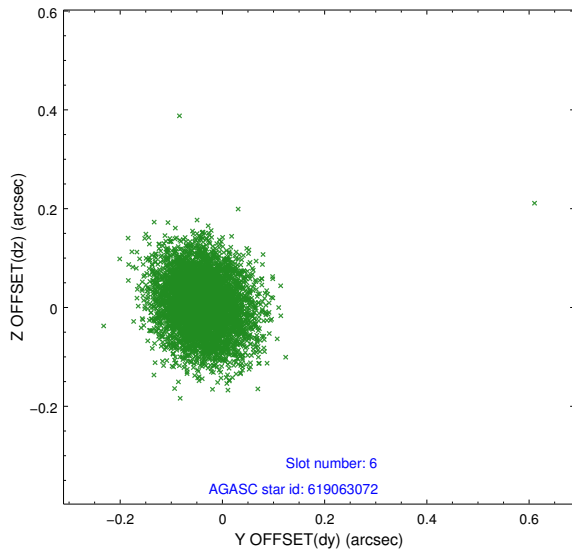
## 2.4.2 Slot 4



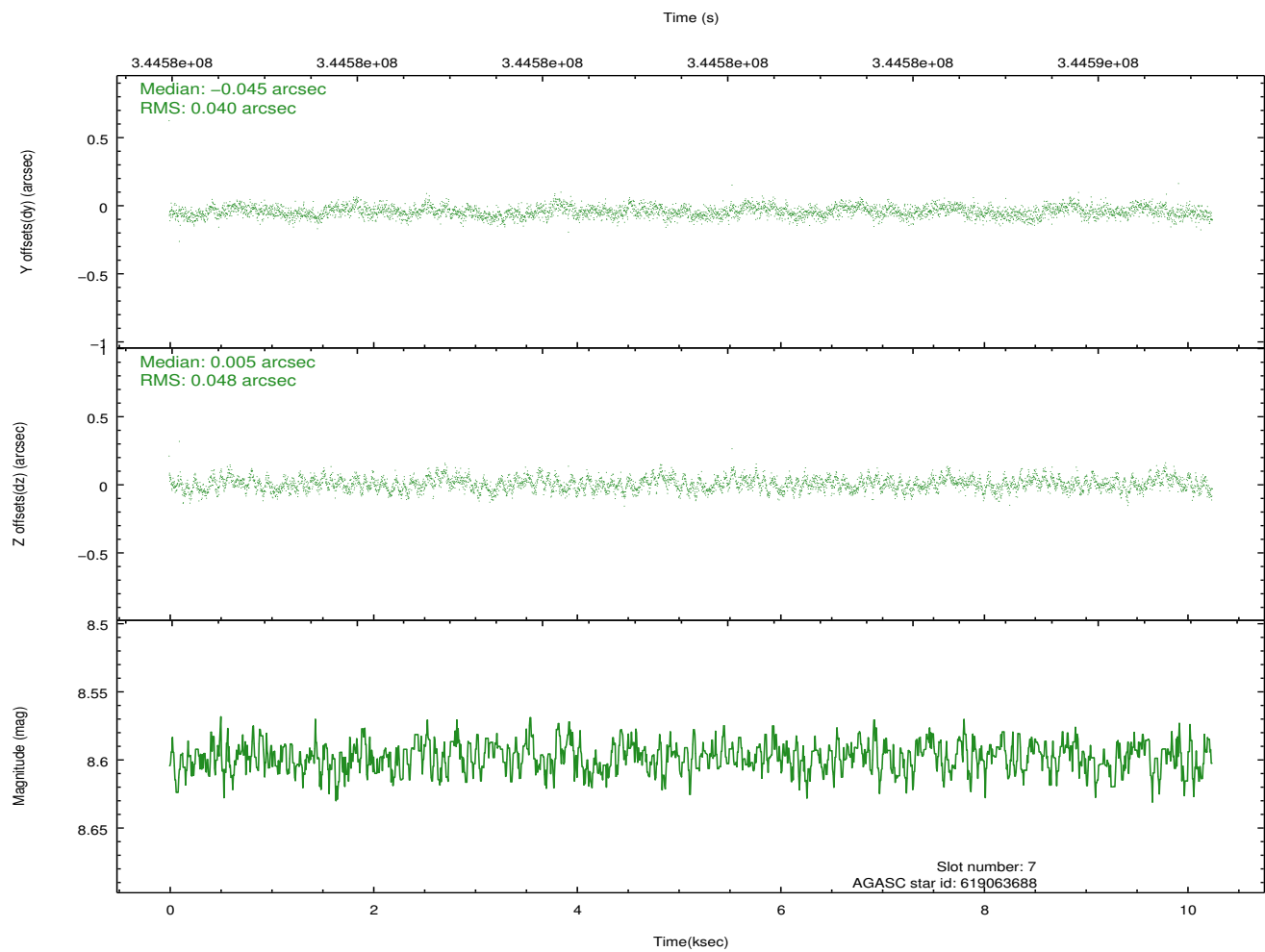
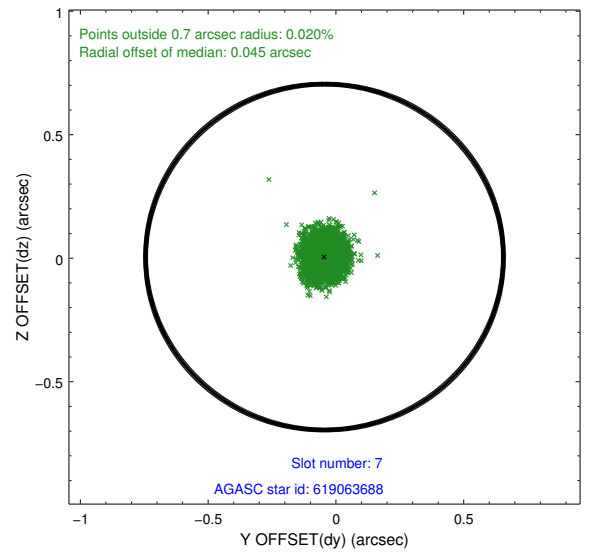
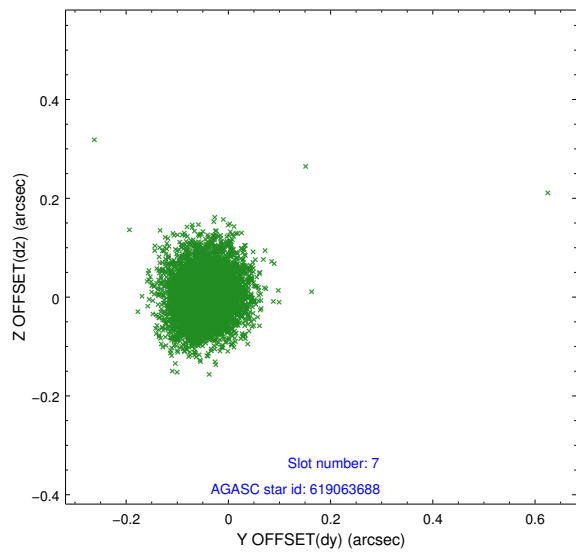
### 2.4.3 Slot 5



### 2.4.4 Slot 6

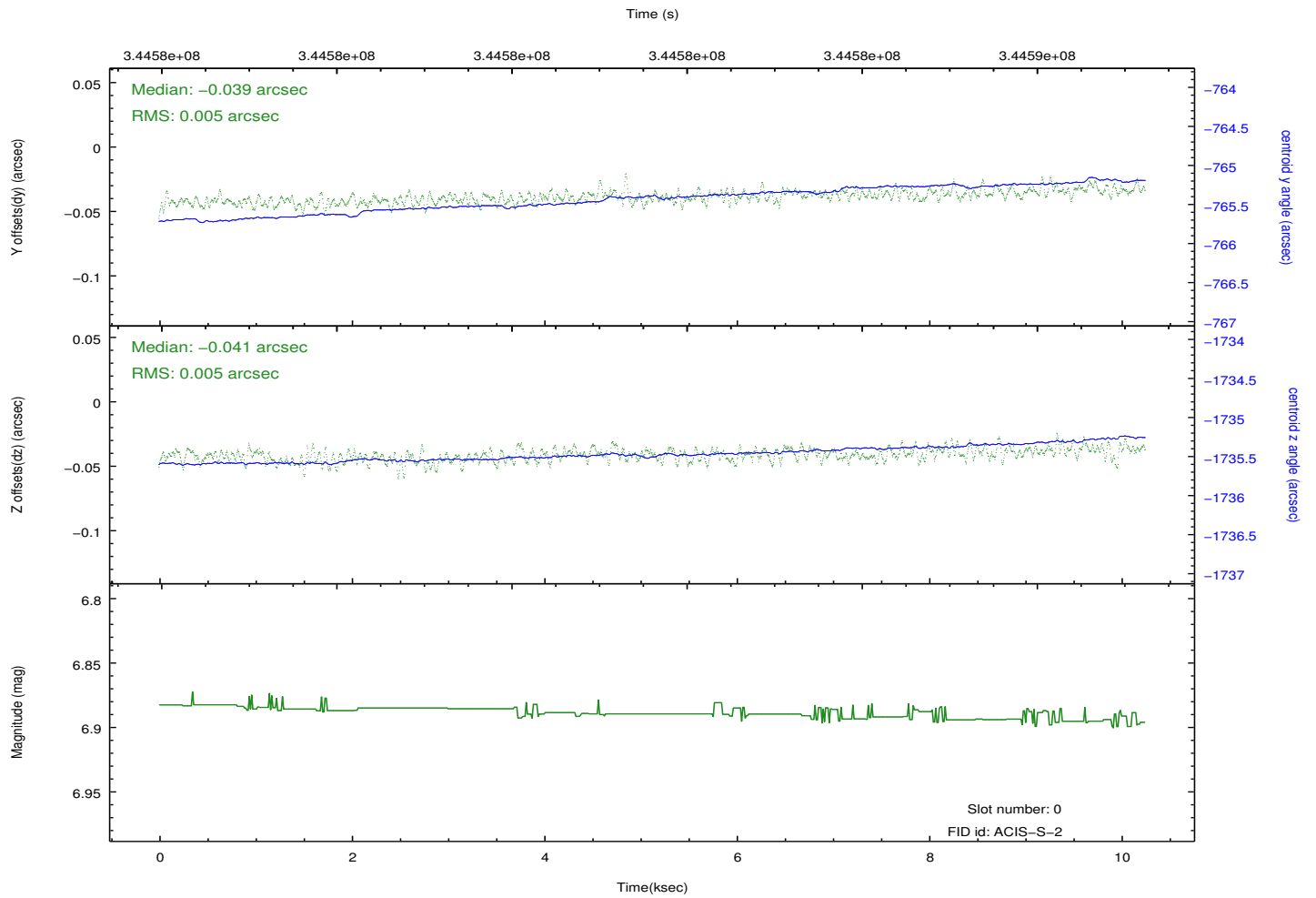
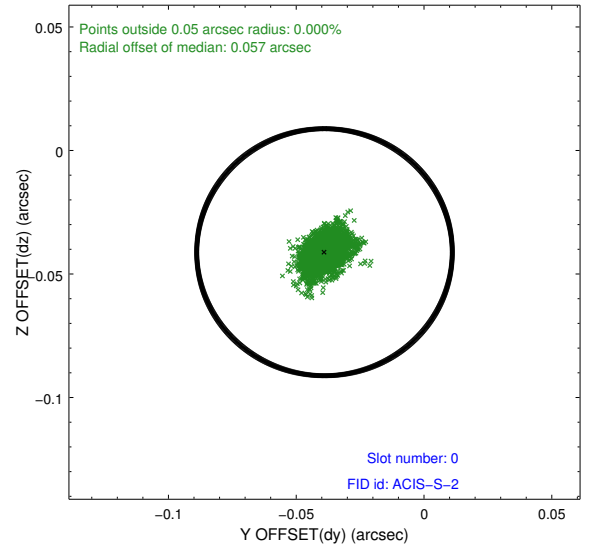
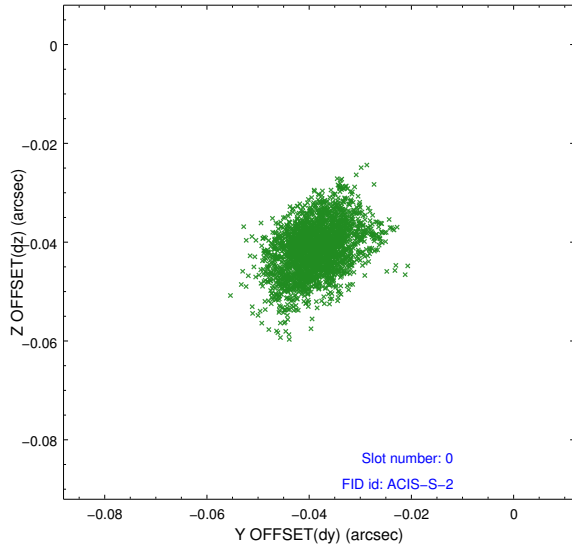


## 2.4.5 Slot 7

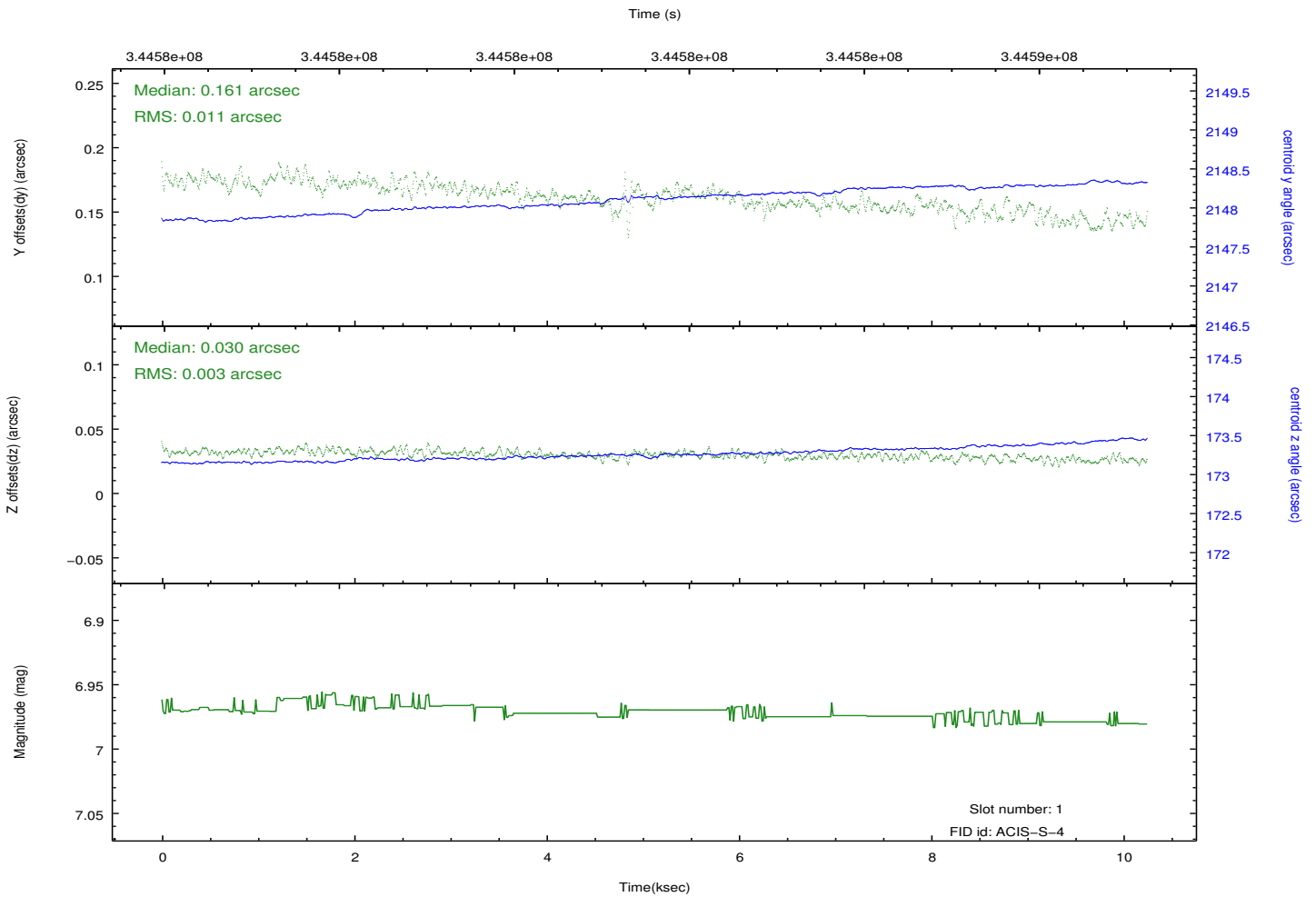
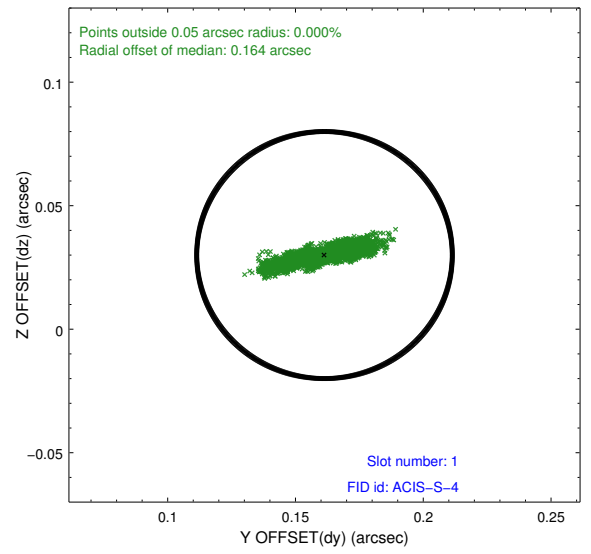
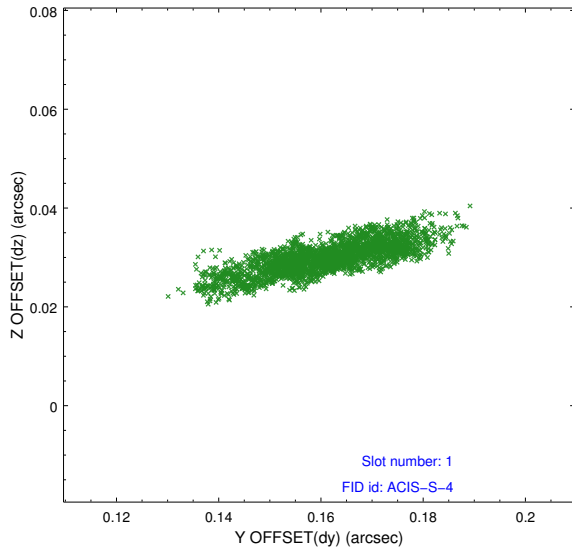


## 2.5 FID Slots

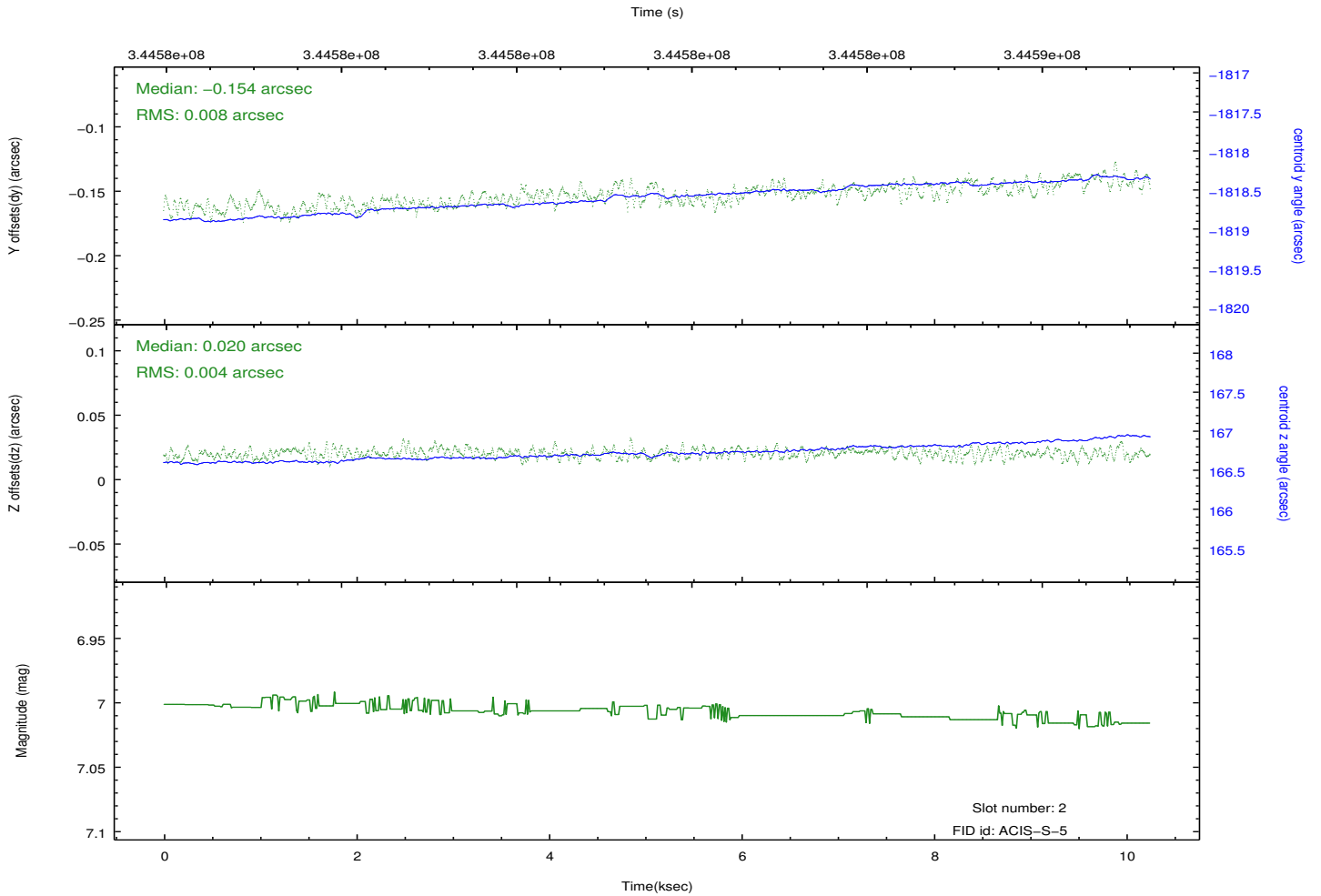
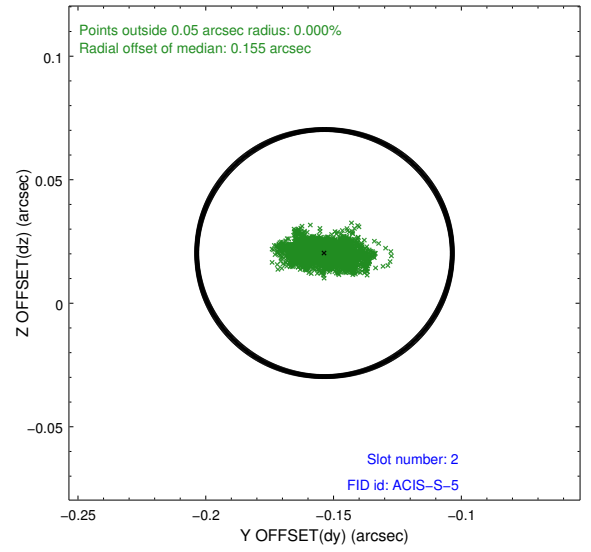
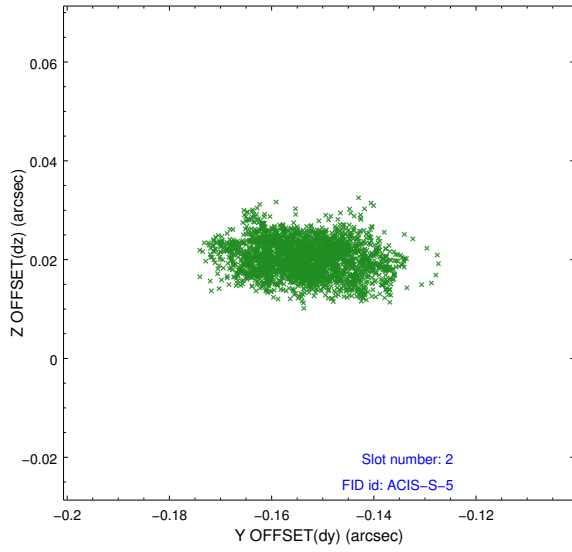
### 2.5.1 Slot 0



## 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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.95410007

## A.2 Comments