

# V&V Reference Report

## L2 ASCDS Version : 10.3

Observation 16077 - L2 Version 1  
Chandra X-Ray Center

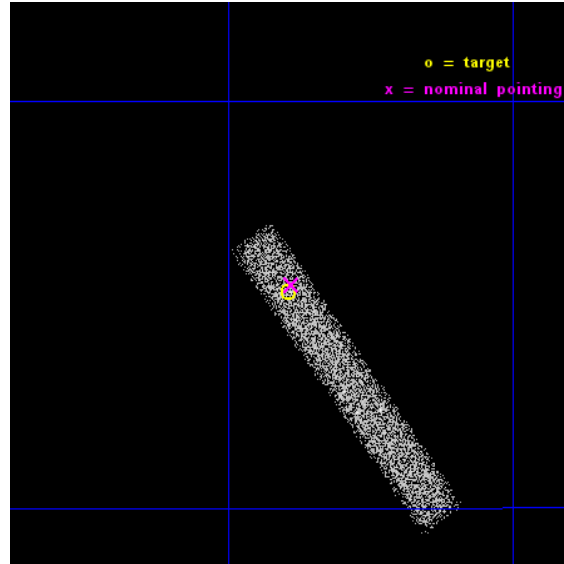
L2 Processing Date : Nov 20 2014

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# 1 Front

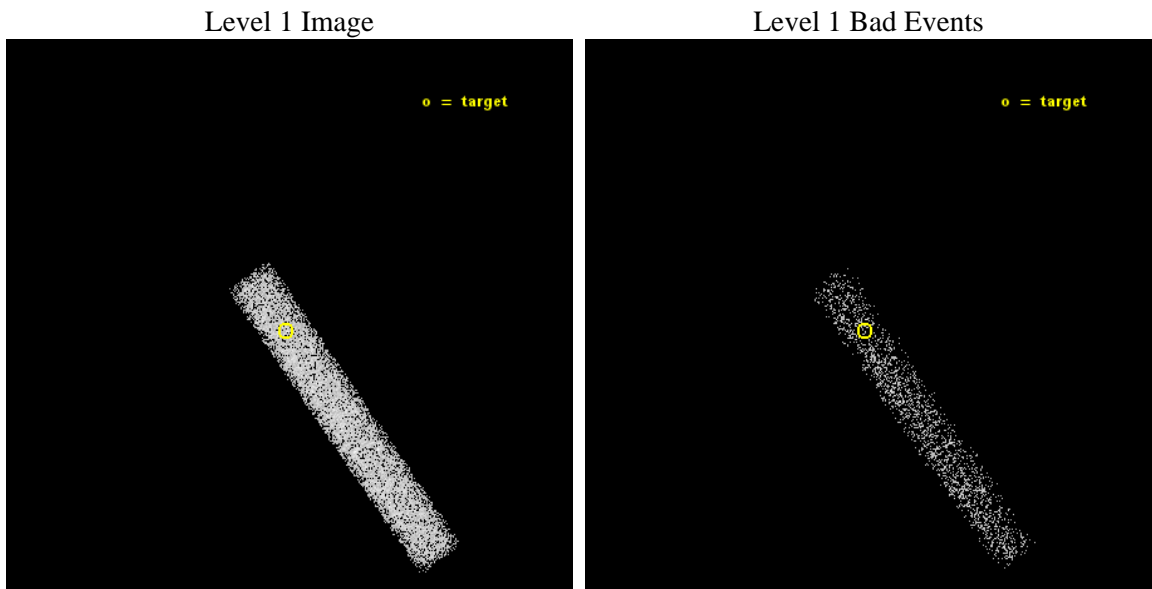
seq_num	702970	Sequence number
obs_id	16077	Observation id
title	PRE-SELECTING DUAL AGN CANDIDATES USING WISE: A CHANDRA PILOT STUDY	&#160
observer	Dr. Shobita Satyapal	Principal investigator
object	SDSSJ1306+0735	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.723333	Observer's specified target RA [deg]
dec_targ	7.588389	Observer's specified target Dec [deg]
ra_nom	196.72222941571	Nominal RA [deg]
dec_nom	7.5913056557484	Nominal Dec [deg]
roll_nom	54.087914223296	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16069.571943998	Sum of GTIs [s]
livetime	14574.253531651	Livetime [s]
ontime7	16069.571943998	Sum of GTIs [s]
l2events	7807	Number of level 2 events



## 2 OBI

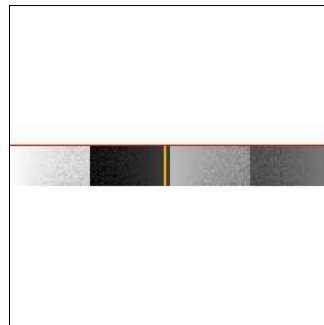
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	16069.571943998	Sum of GTIs [s]
caldsver	4.6.4	&#160	ontime7	16069.571943998	Sum of GTIs [s]
date	2014-11-20T23:45:19	Date and time of file creation	l1events	16364	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

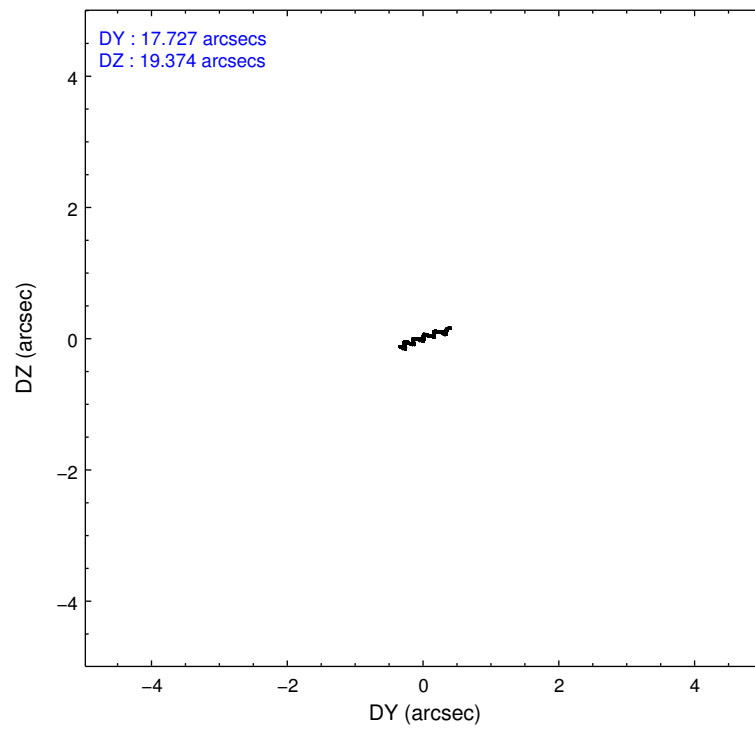
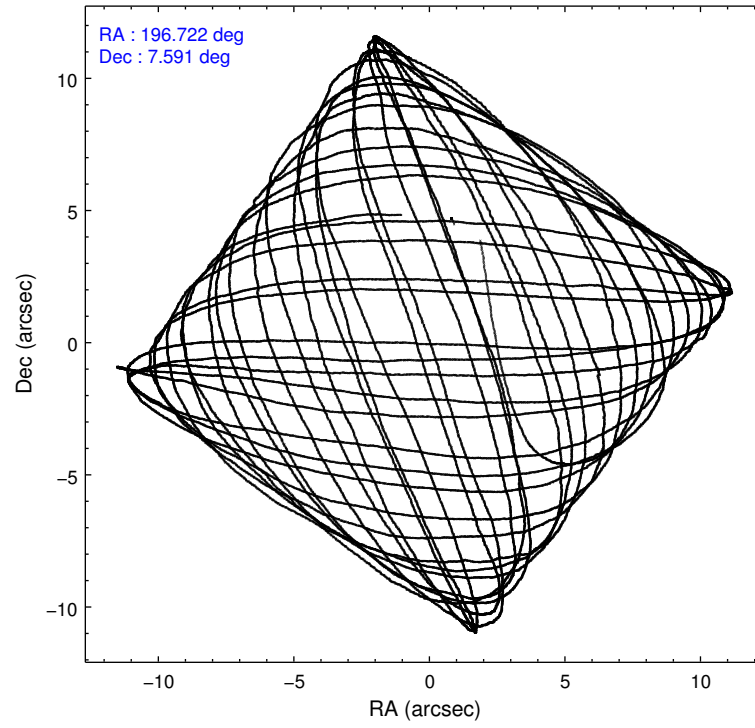
	<b>ccd 7</b>
level 1 events	16364
rejected events	8235
rejected %	50%

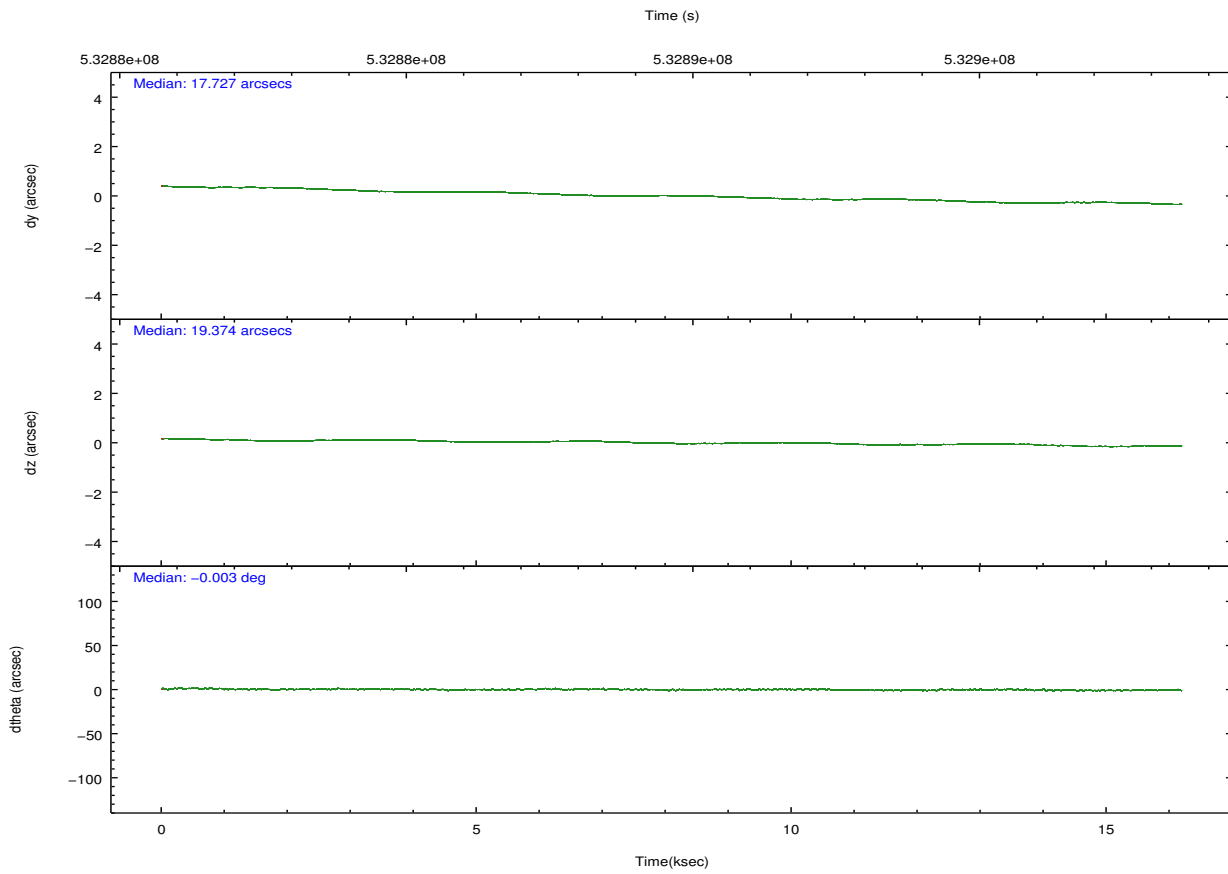
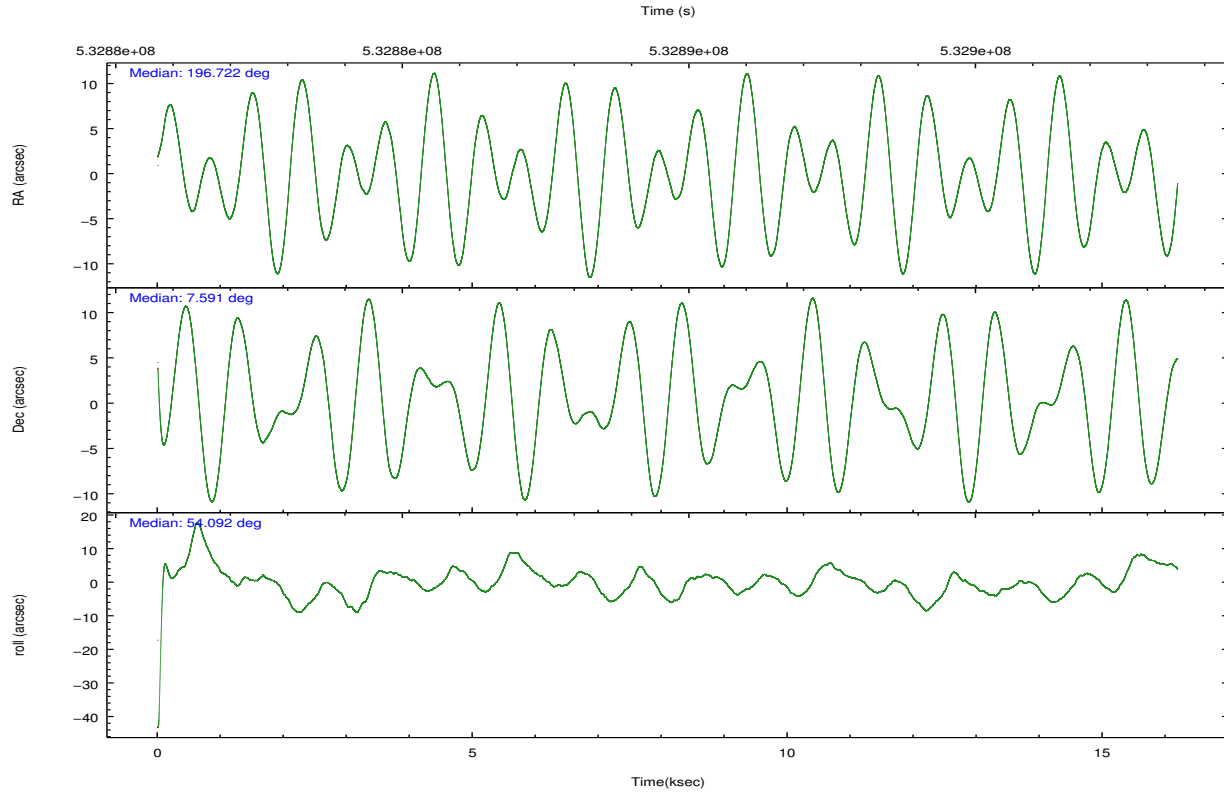
	<b>ccd 7</b>
grade 0 events	831
	5%
grade 1 events	21
	0%
grade 2 events	1539
	9%
grade 3 events	1100
	6%
grade 4 events	1066
	6%
grade 5 events	1667
	10%
grade 6 events	3593
	21%
grade 7 events	6547
	40%

## 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	196.719741	196.7222294157093	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	7.563967	7.59130565574844	Subarray start row	449	449
[deg] Pointing Roll	53.931663	54.08791422329569	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)	532881736.184000	532880802.15264			
Observation start date	2014-11-20T14:41:09	2014-11-20T14:26:42			
[s] Observation end time (MET)	532897736.184000	532898097.4911			
Observation end date	2014-11-20T19:07:49	2014-11-20T19:14:57			
Read mode	TIMED	TIMED			

## 2.3 Aspect



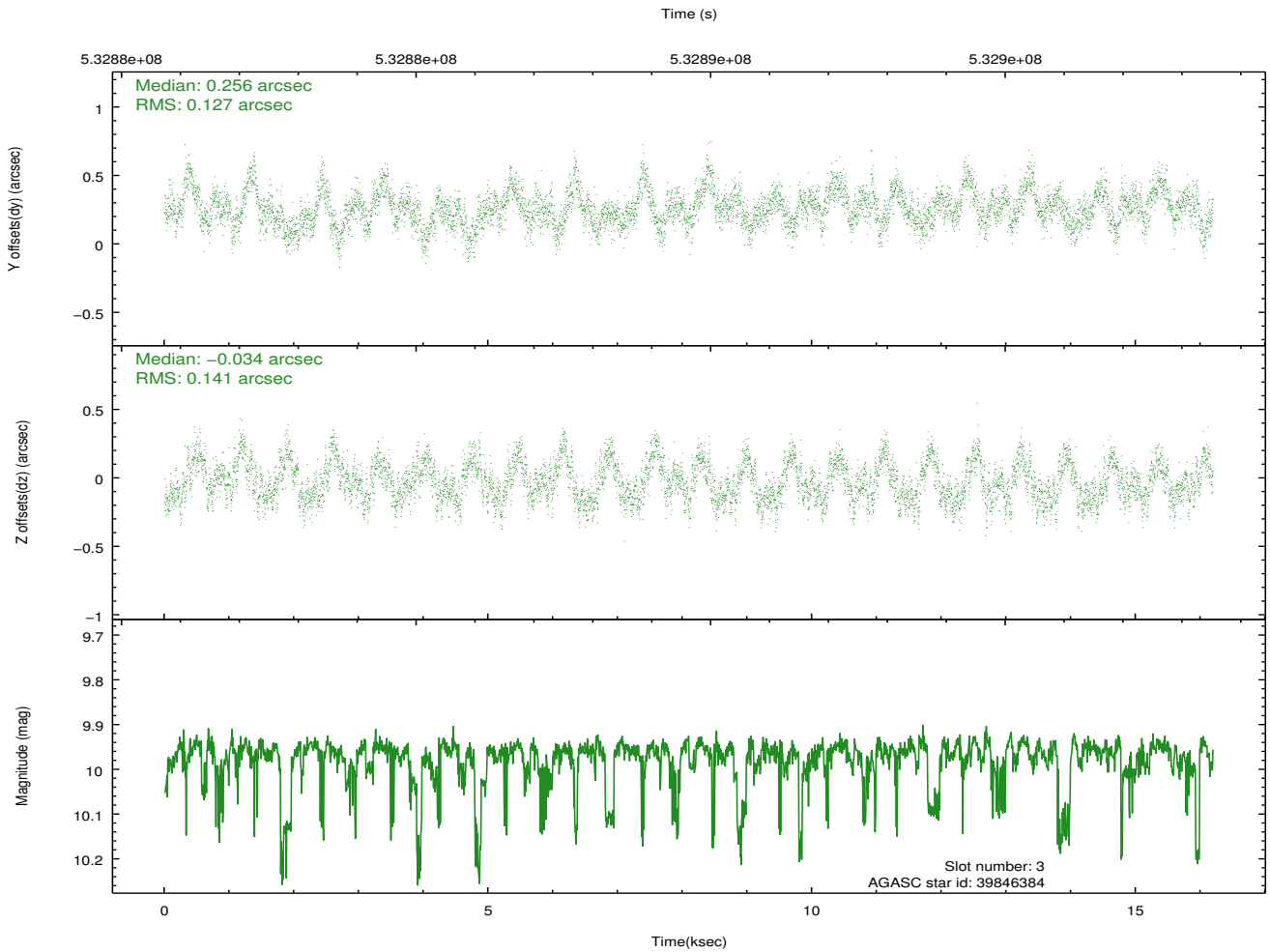
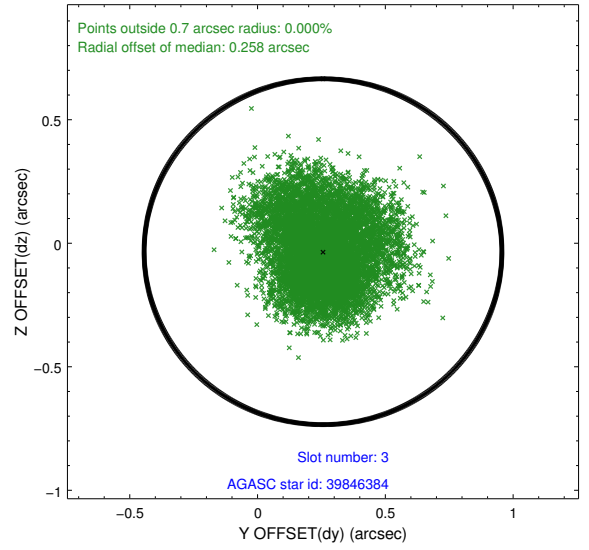
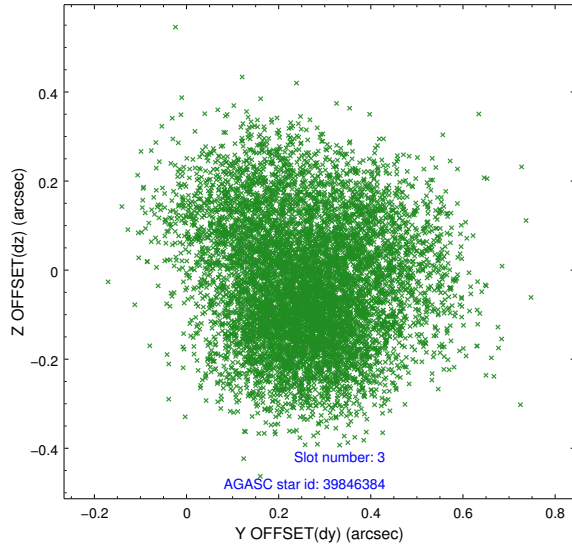


### Slot Statistics

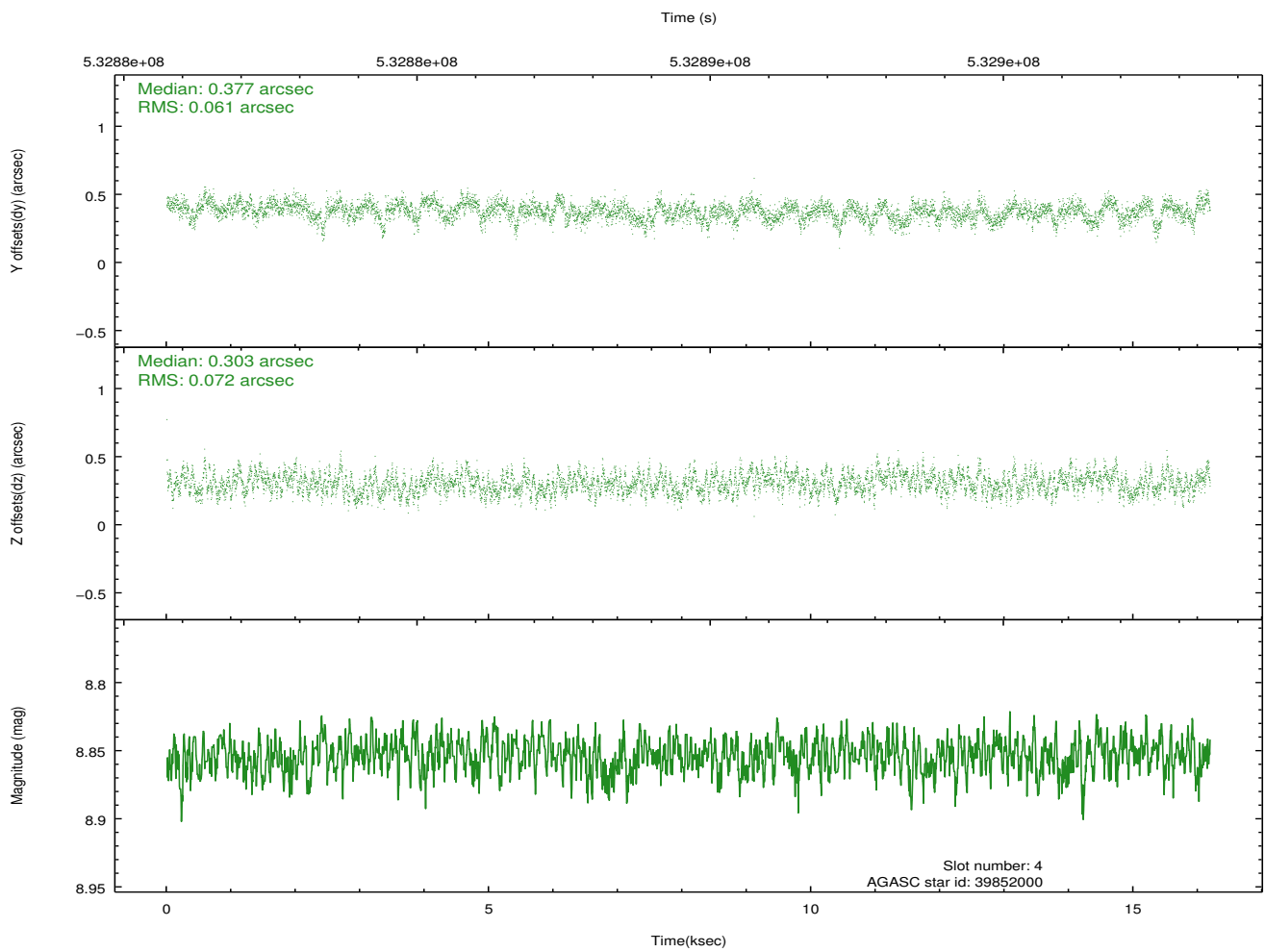
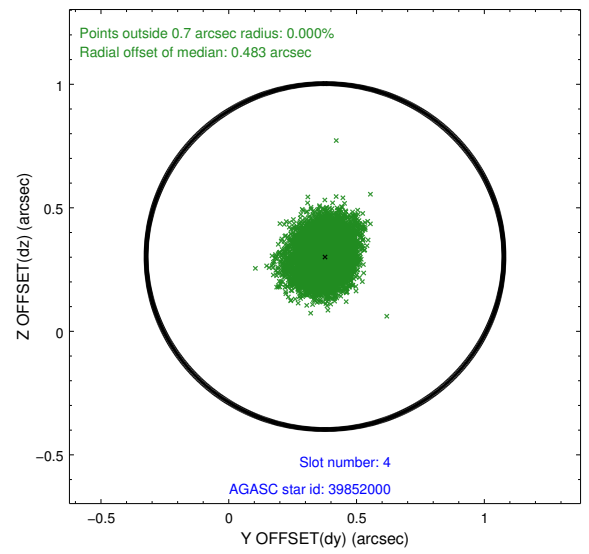
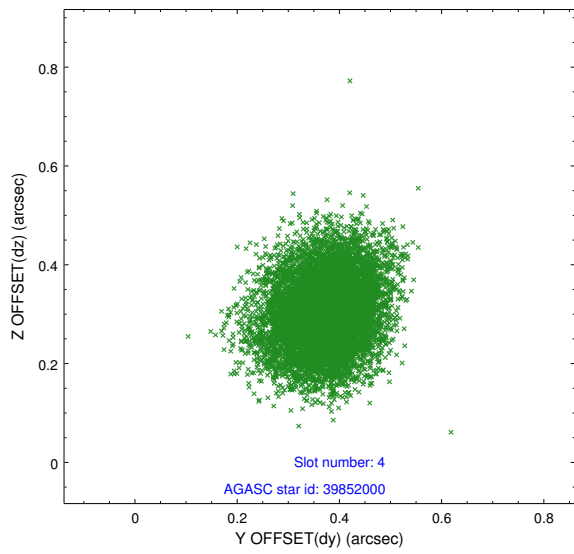
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.92	3949	-0.121	-0.060	0.009	0.015	0.000000	0.000000	-770.93	-1740.86
1	FID		ACIS-S-4	7.01	3949	0.153	0.068	0.009	0.014	0.000000	0.000000	2142.54	167.41
2	FID		ACIS-S-6	7.14	3949	-0.060	-0.000	0.007	0.013	0.000000	0.000000	391.51	805.07
3	GUIDE	used	39846384	9.97	7886	0.256	-0.034	0.207	0.320	196.381765	7.215163	-1725.14	236.86
4	GUIDE	used	39852000	8.85	7896	0.377	0.303	0.101	0.160	196.677623	7.146715	-1303.10	-762.06
5	GUIDE	used	115871672	9.40	7886	-0.400	-0.030	0.133	0.205	196.753974	8.303853	2223.91	1470.12
6	GUIDE	used	115874184	9.10	7827	-0.105	-0.032	0.119	0.185	196.783333	7.757283	696.43	227.03
7	GUIDE	used	115869744	10.09	7818	-0.122	-0.204	0.244	0.377	196.907601	8.248262	2385.76	909.30

## 2.4 Star Slots

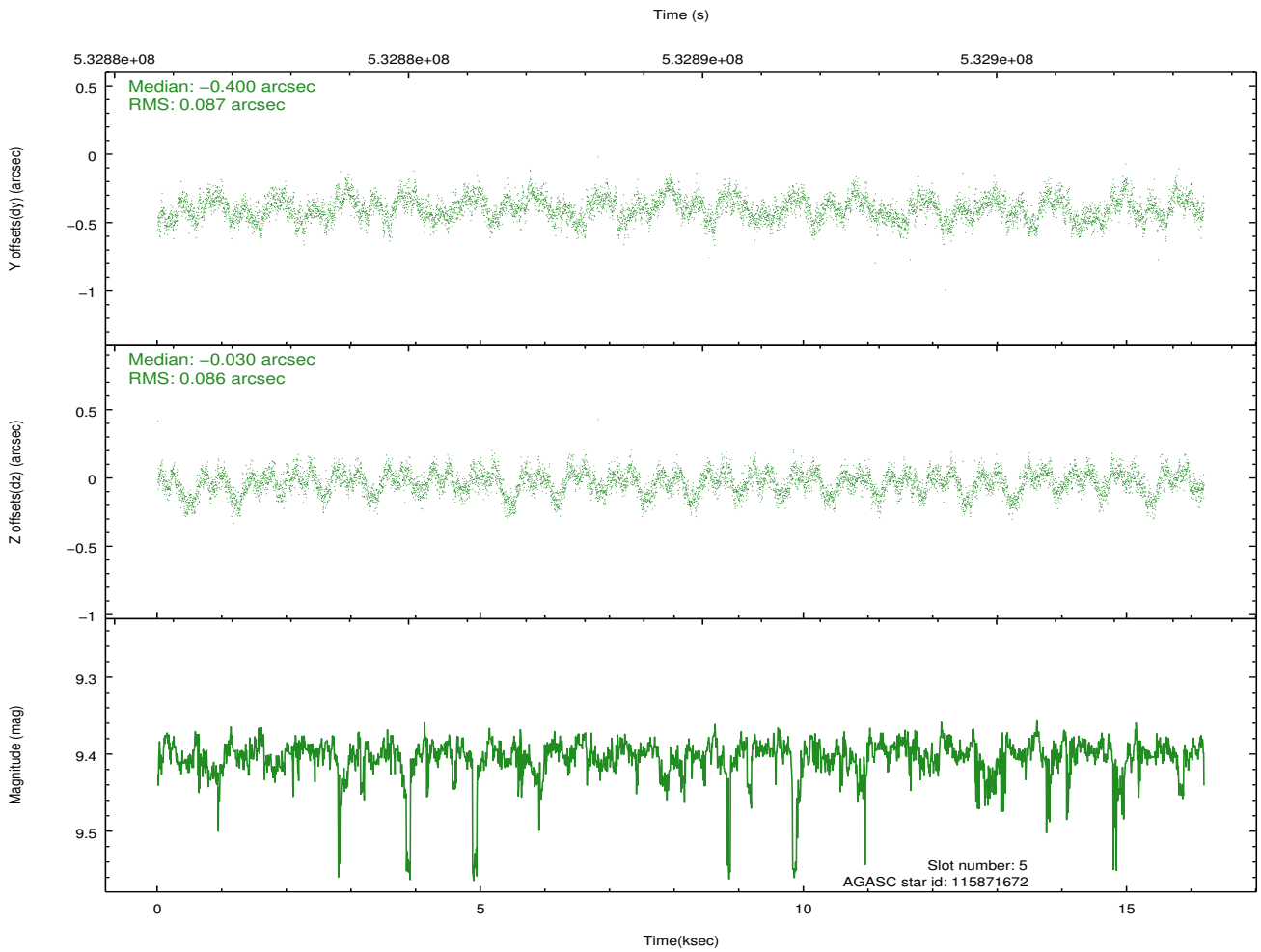
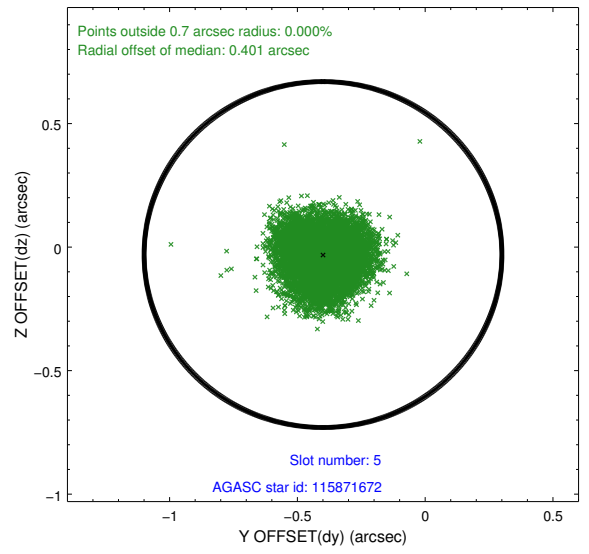
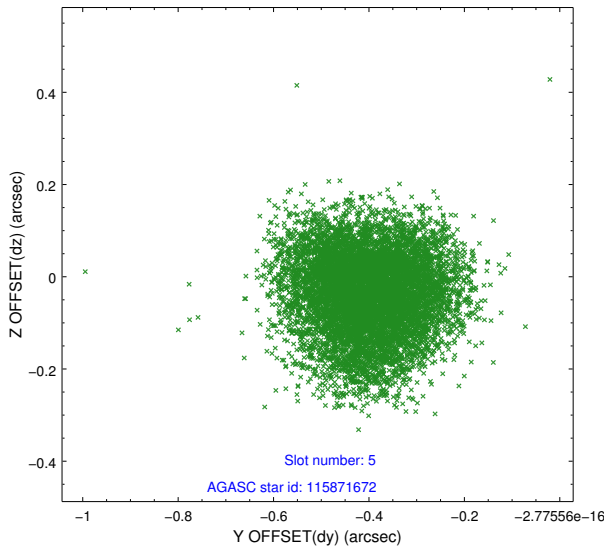
### 2.4.1 Slot 3



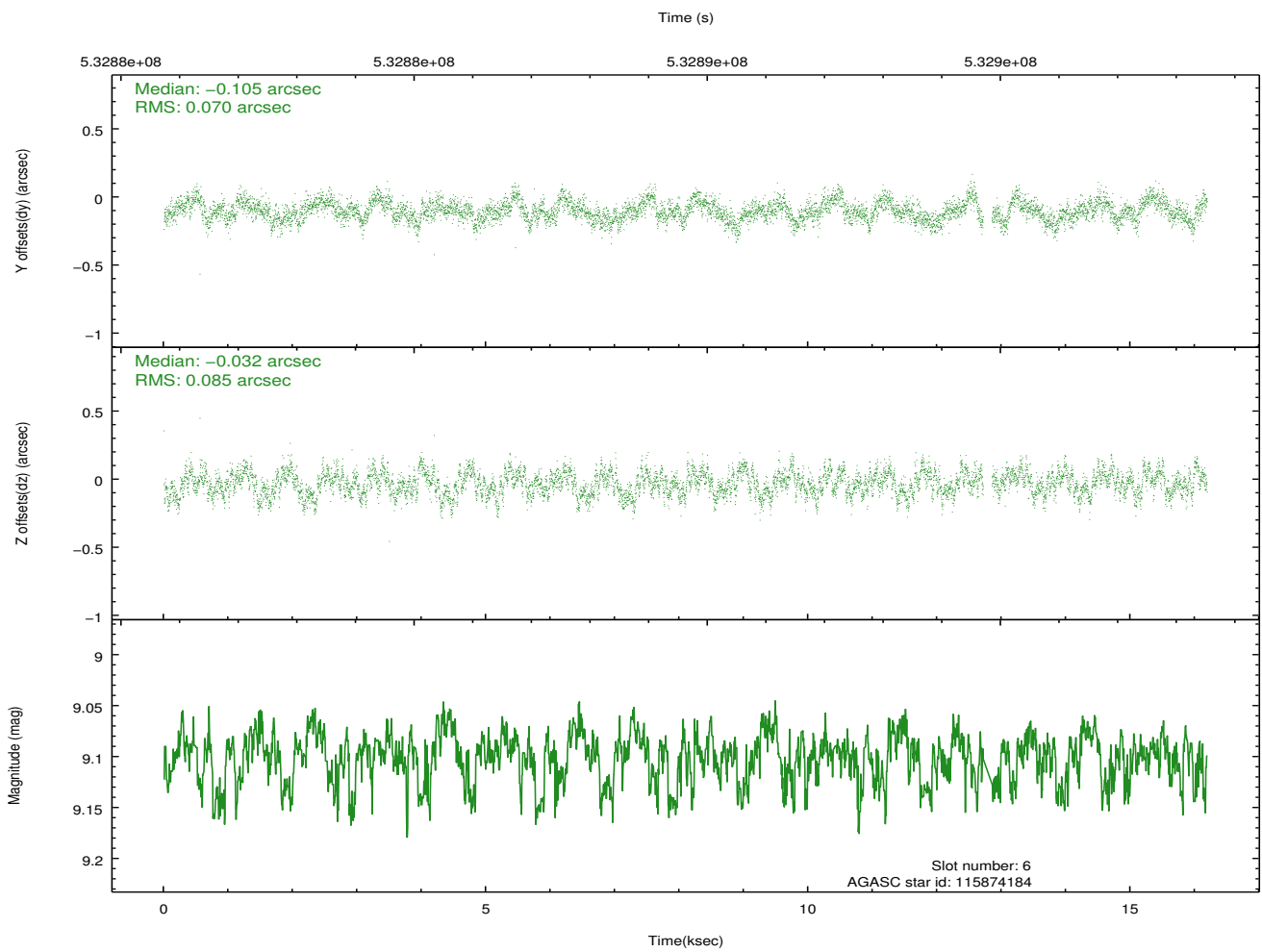
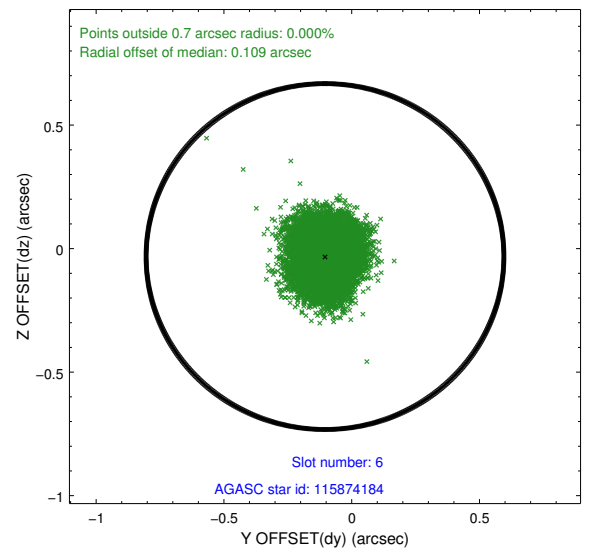
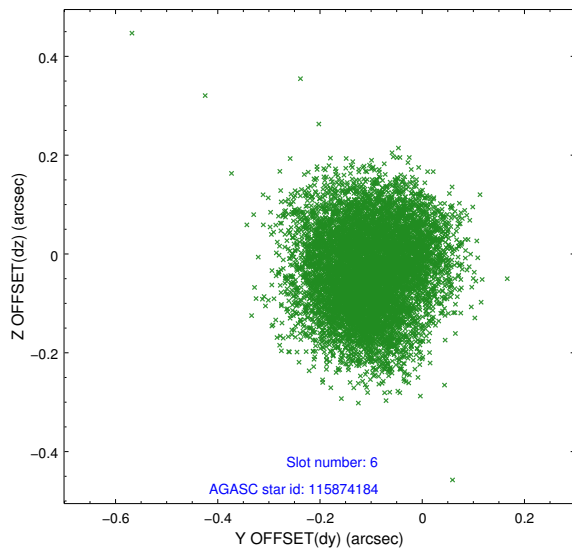
## 2.4.2 Slot 4



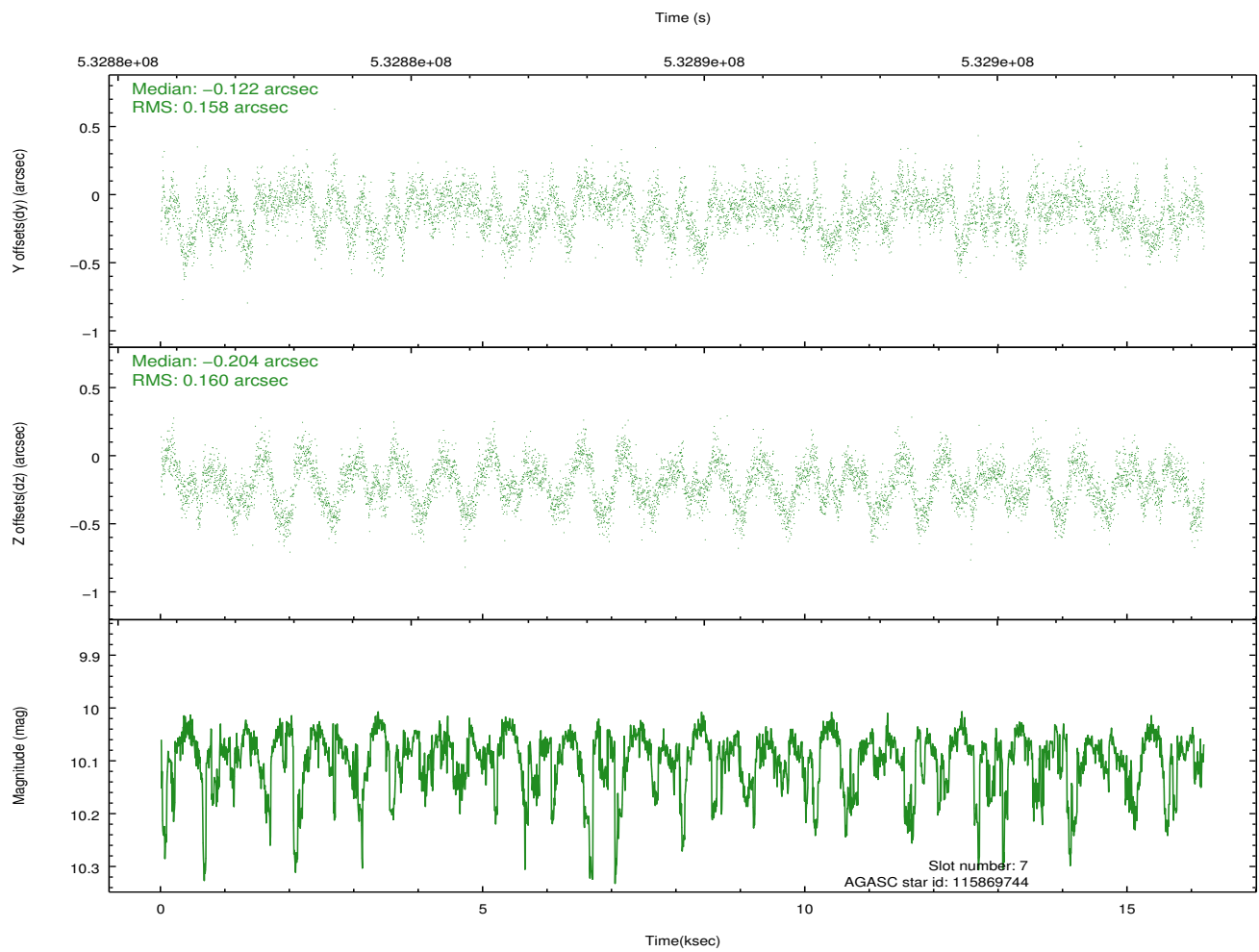
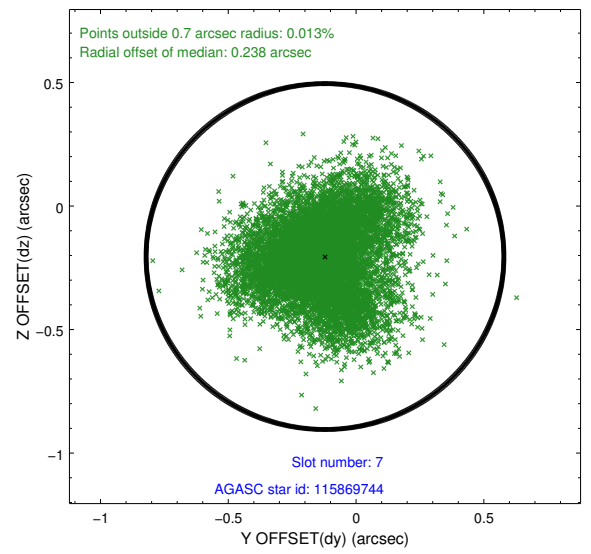
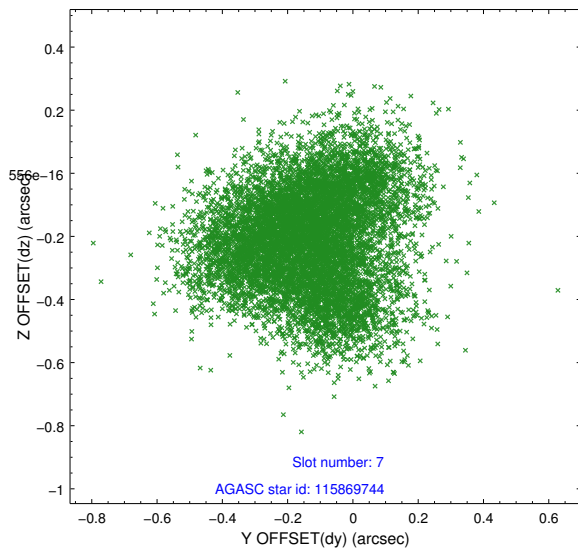
### 2.4.3 Slot 5



## 2.4.4 Slot 6

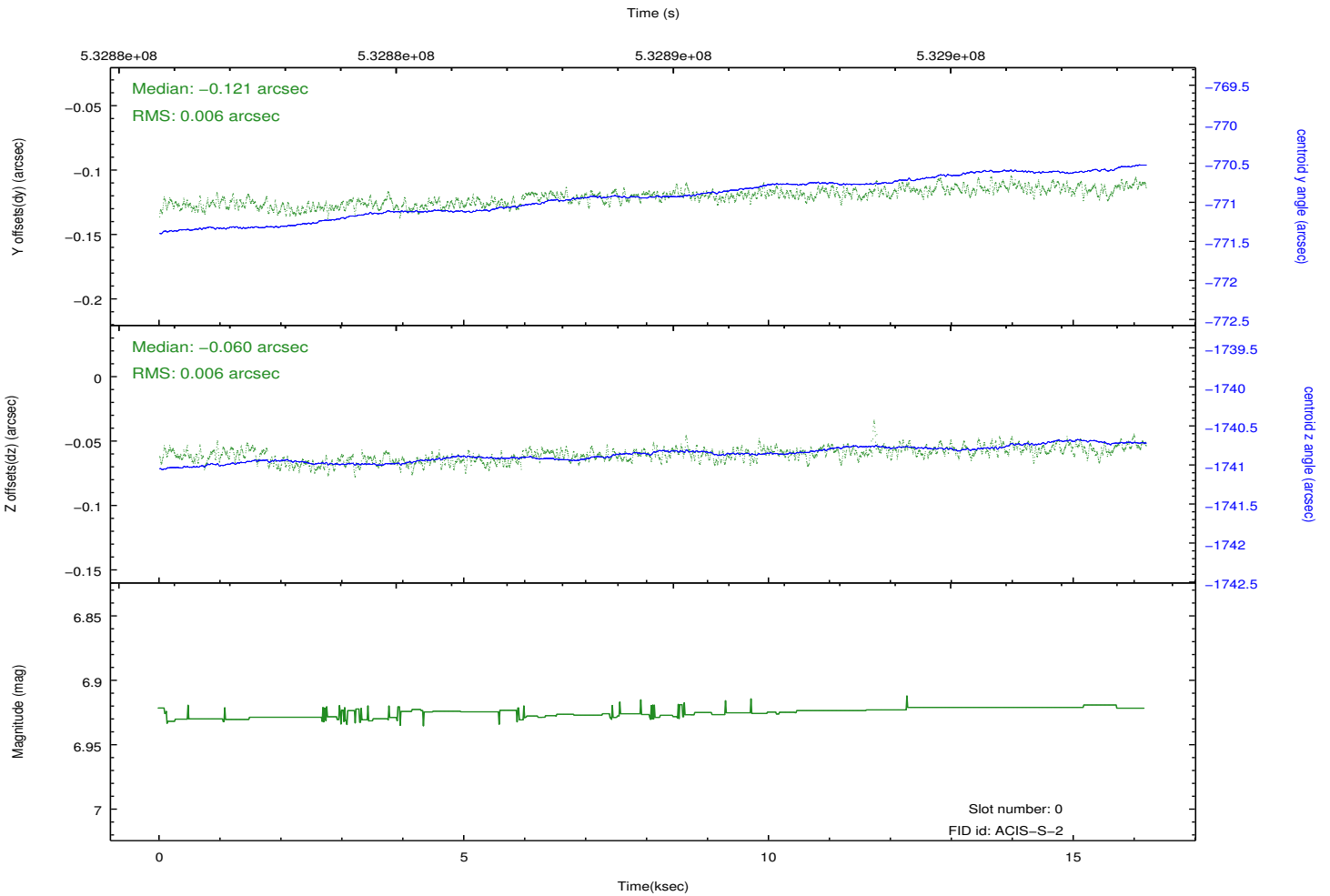
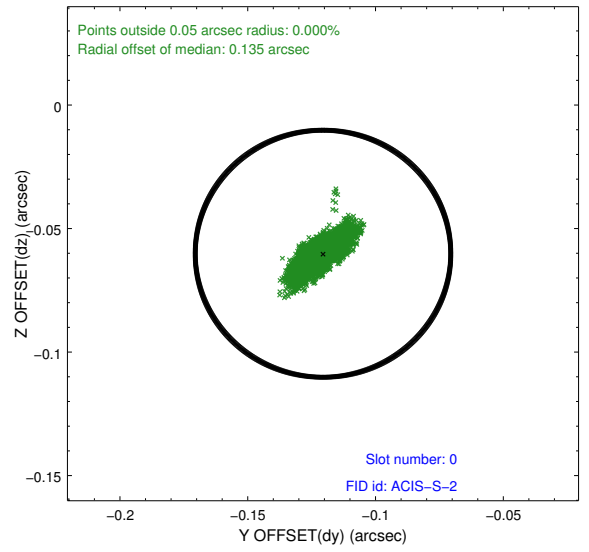
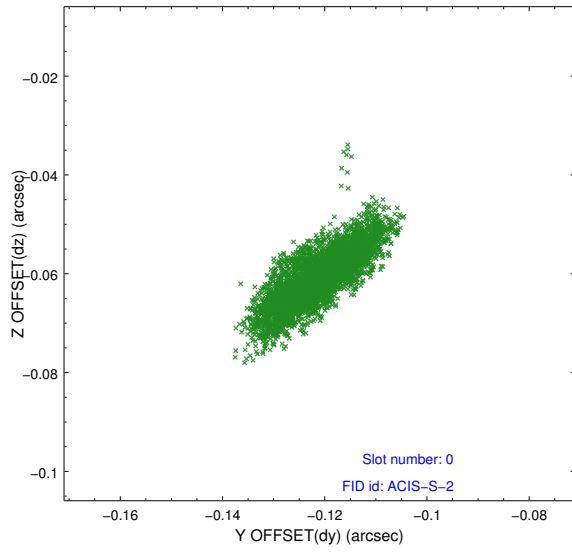


## 2.4.5 Slot 7

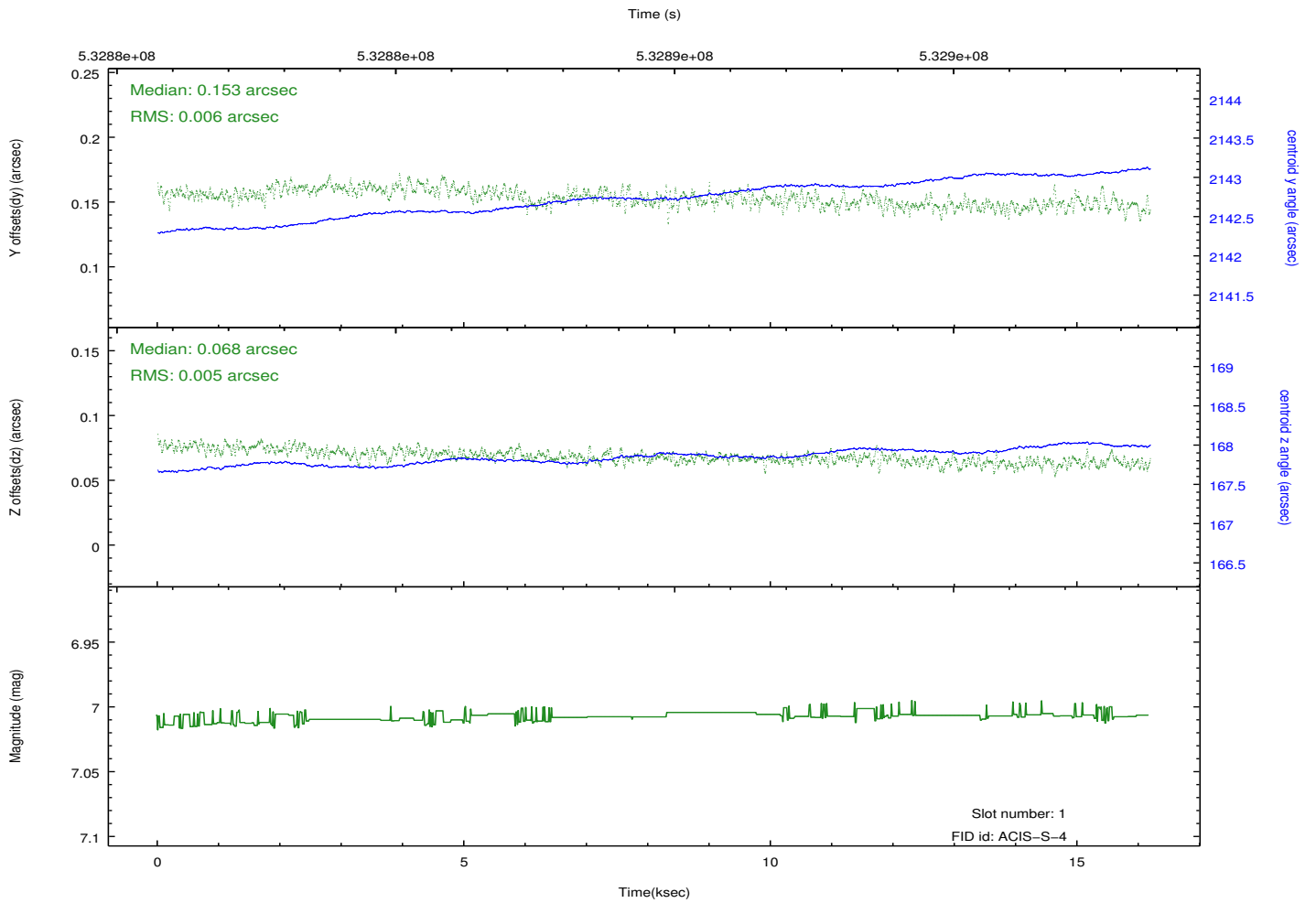
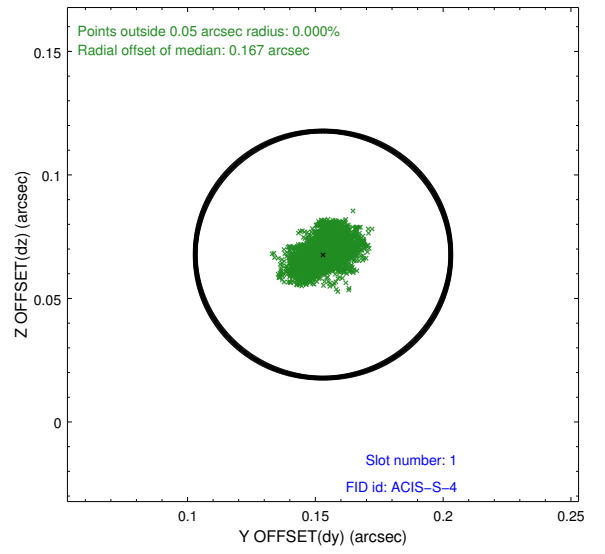
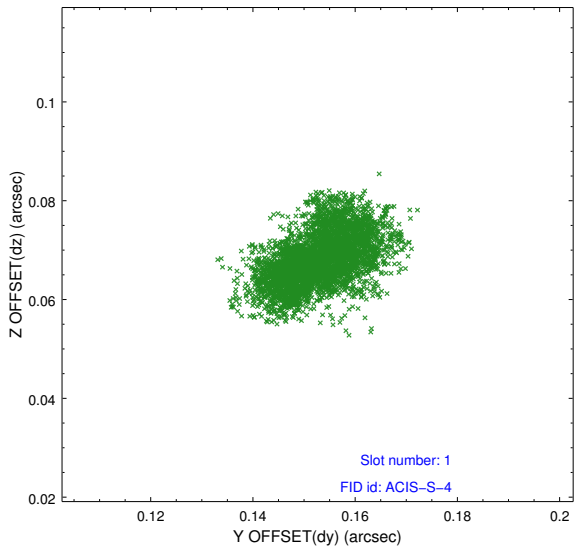


## 2.5 FID Slots

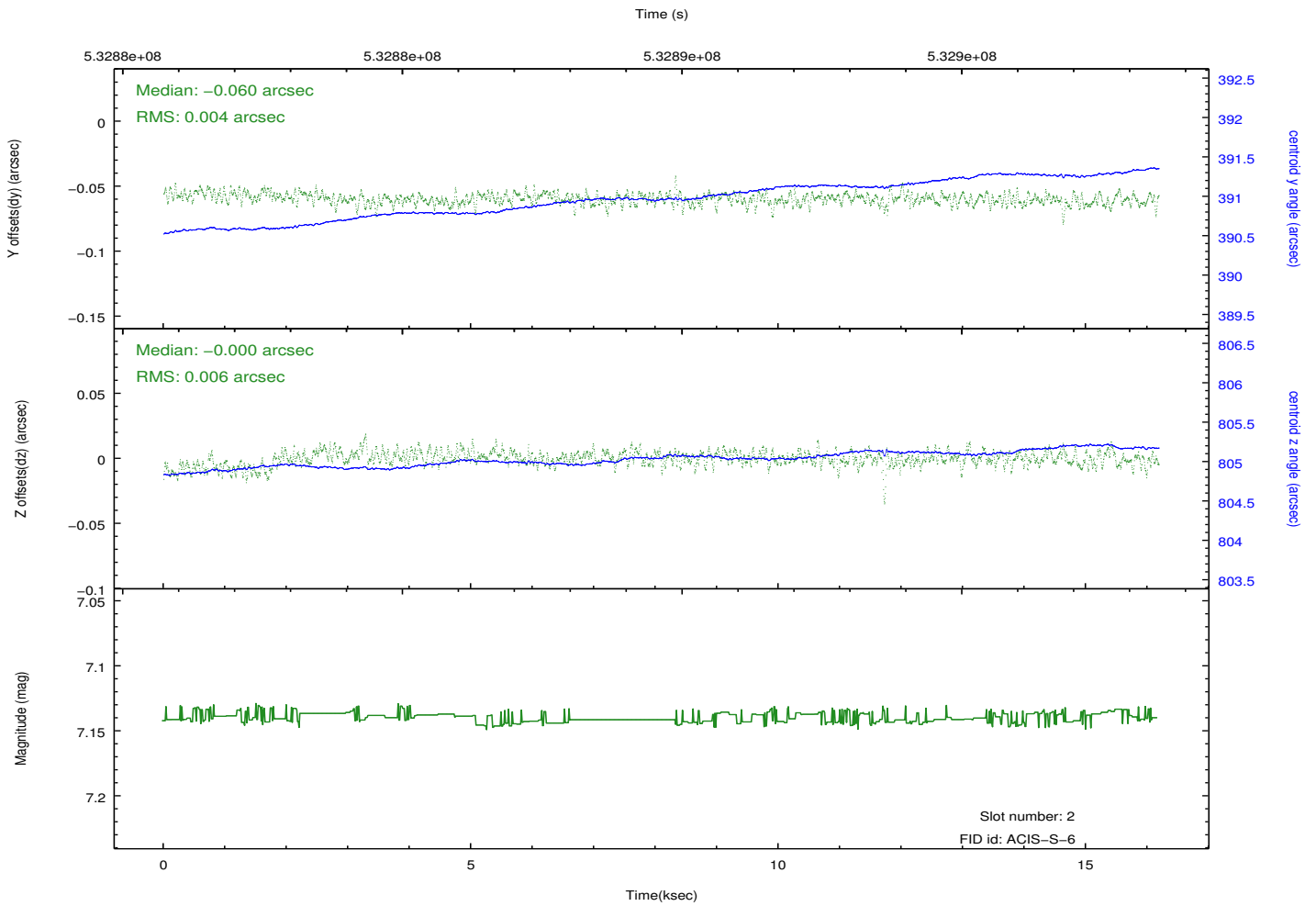
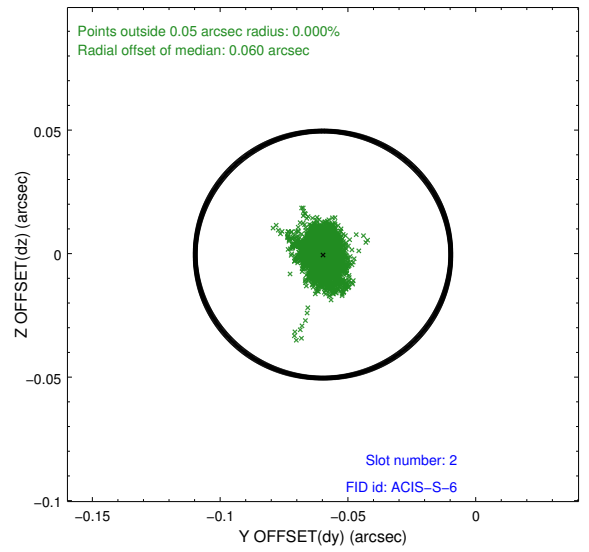
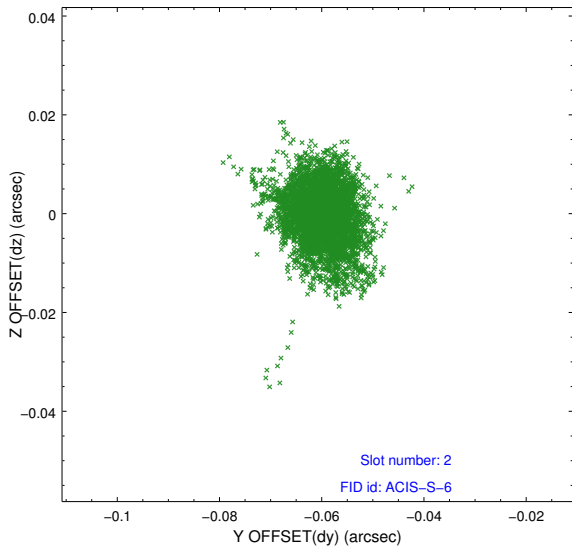
### 2.5.1 Slot 0



## 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)	2014.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.069571943998

## A.2 Comments