

# V&V Reference Report

## L2 ASCDS Version : 10.4.3

Observation 18167 - L2 Version 1  
Chandra X-Ray Center

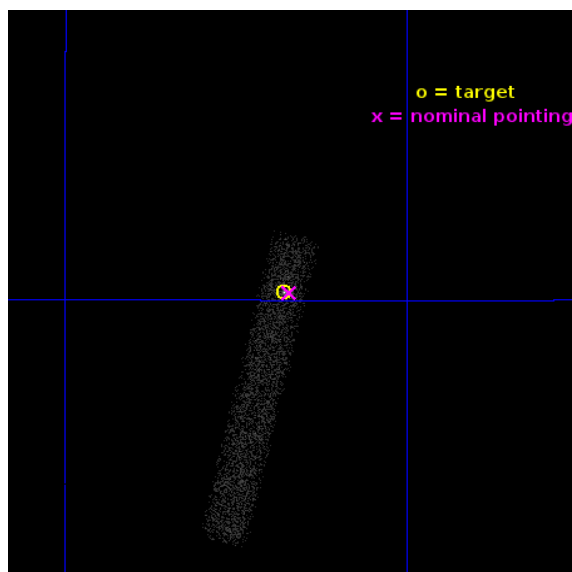
L2 Processing Date : Jan 18 2016

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# 1 Front

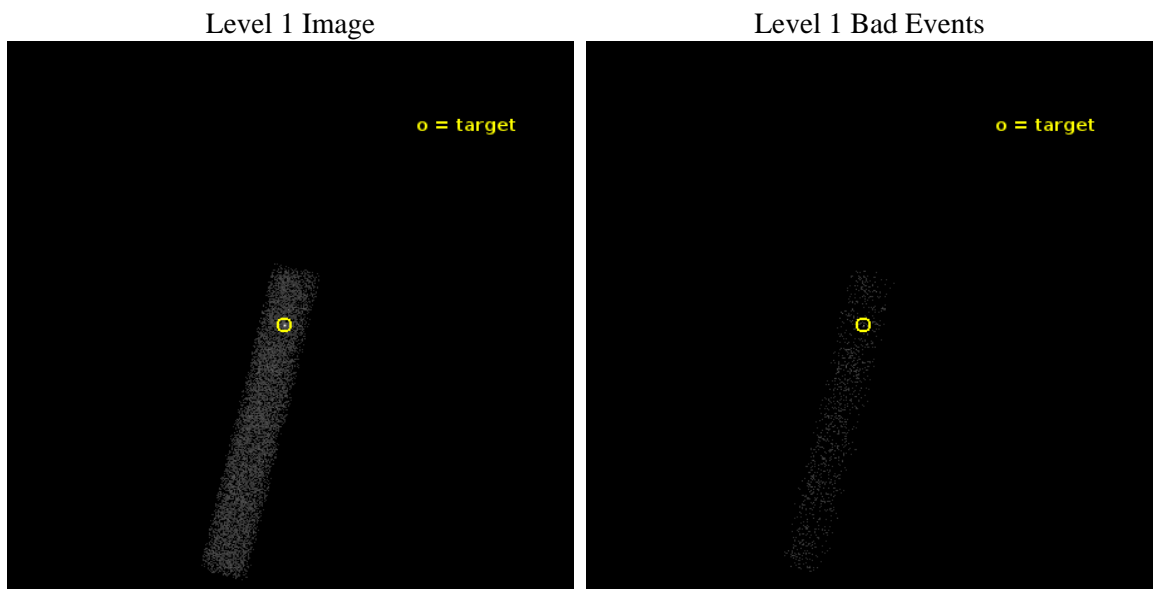
seq_num	703232	Sequence number
obs_id	18167	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	SDSS J114921.52+532013.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	177.339583	Observer's specified target RA [deg]
dec_targ	53.337111	Observer's specified target Dec [deg]
ra_nom	177.3355447179	Nominal RA [deg]
dec_nom	53.336680132062	Nominal Dec [deg]
roll_nom	103.02926346839	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10069.996523499	Sum of GTIs [s]
livetime	9132.9553088151	Livetime [s]
ontime7	10069.996523499	Sum of GTIs [s]
l2events	7010	Number of level 2 events



## 2 OBI

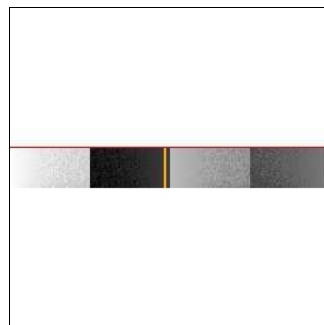
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	10069.996523499	Sum of GTIs [s]
caldsver	4.7.0	&#160	ontime7	10069.996523499	Sum of GTIs [s]
date	2016-01-18T11:51:40	Date and time of file creation	l1events	12608	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	12608
rejected events	5396
rejected %	42%

	<b>ccd 7</b>
grade 0 events	1034
	8%
grade 1 events	23
	0%
grade 2 events	1507
	11%
grade 3 events	881
	6%
grade 4 events	927
	7%
grade 5 events	1112
	8%
grade 6 events	2863
	22%
grade 7 events	4261
	33%

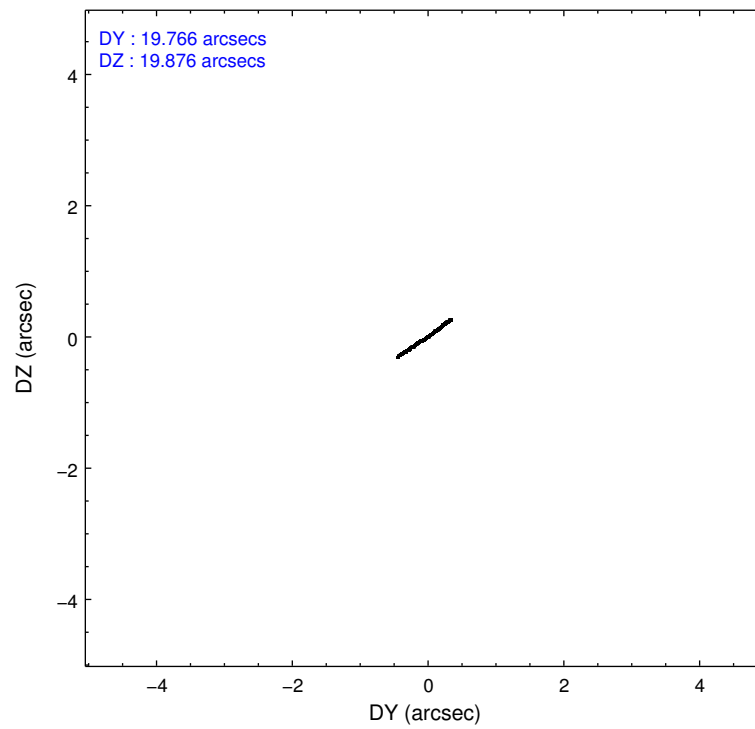
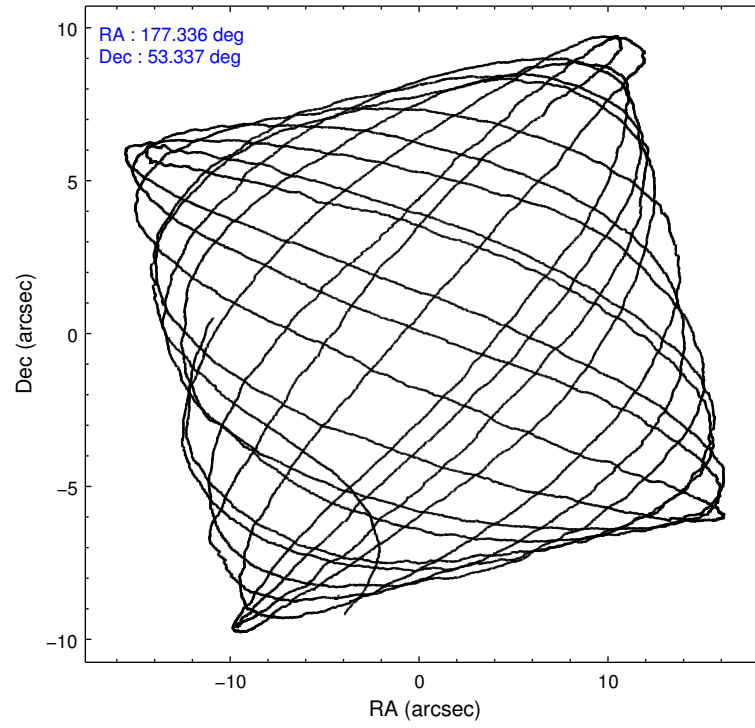


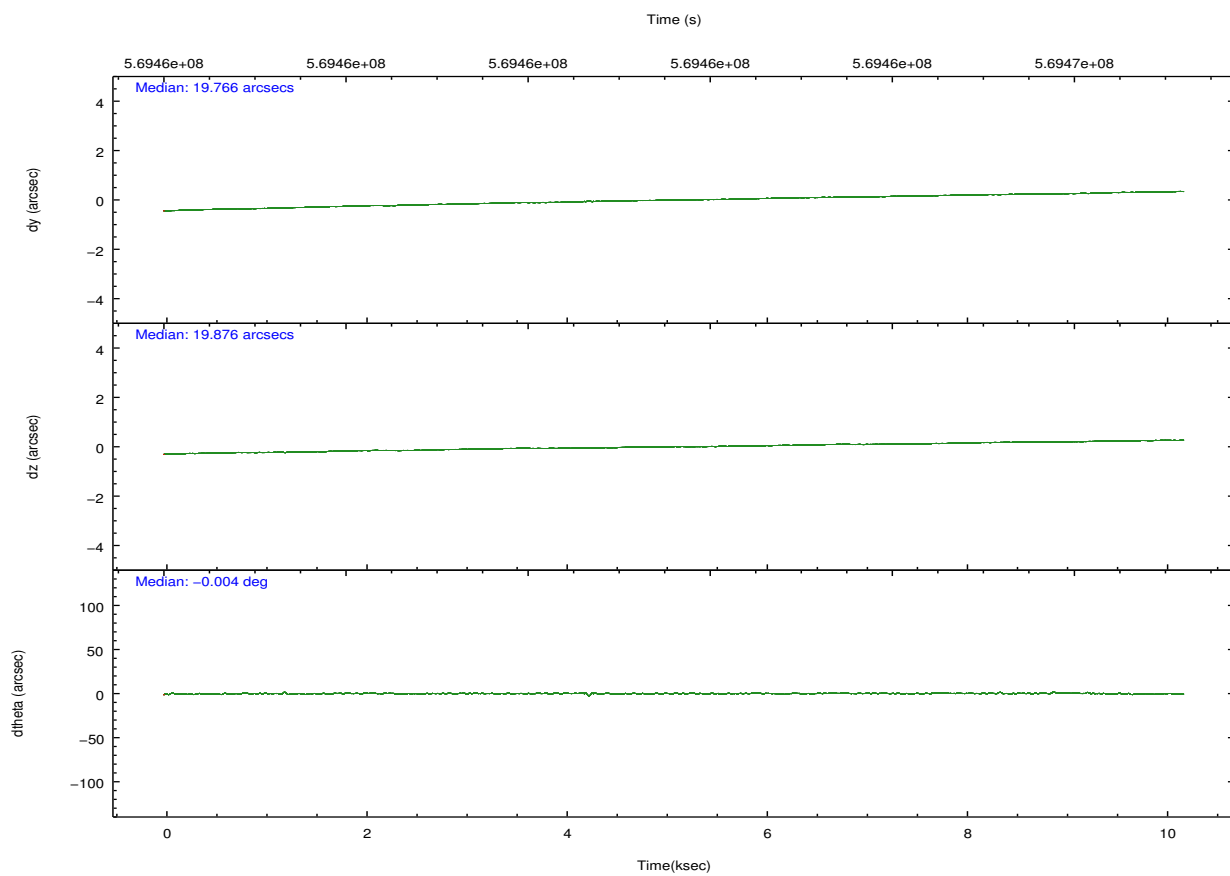
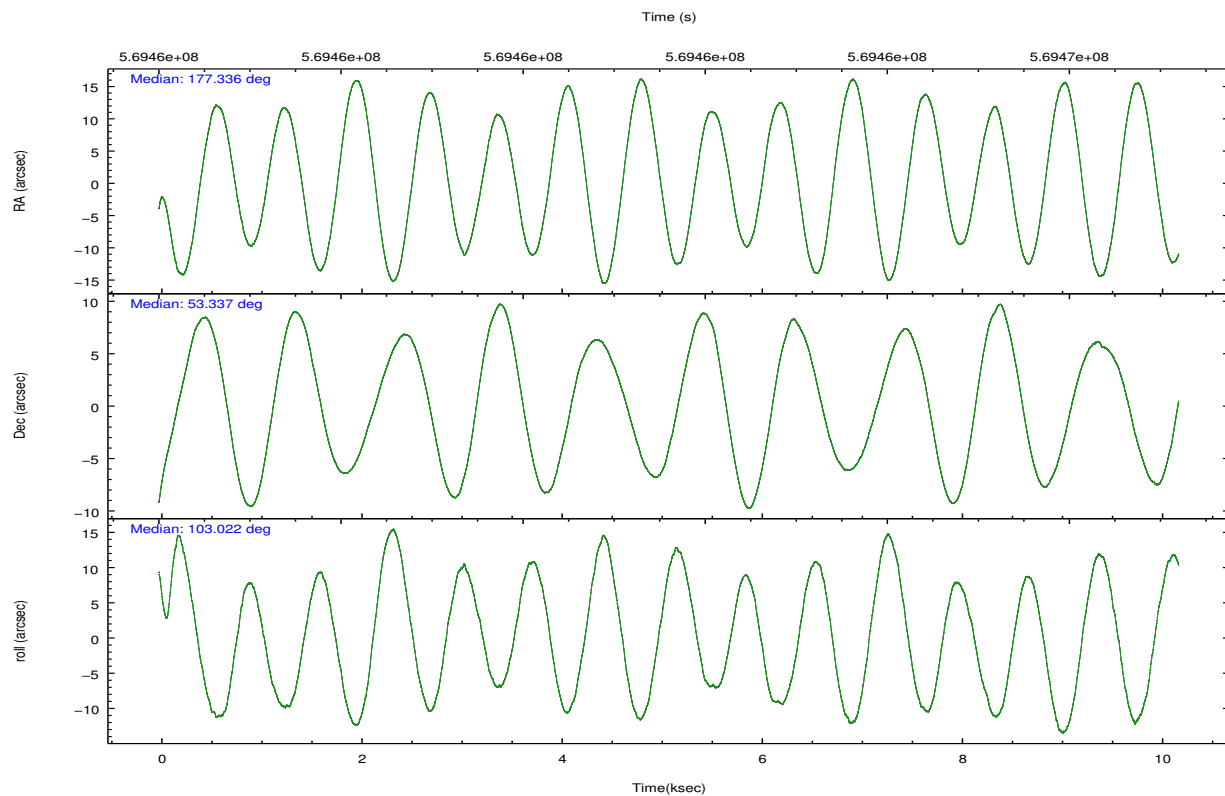
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	177.367416	177.3355447179003
[deg] Pointing Dec	53.316898	53.33668013206154
[deg] Pointing Roll	102.847068	103.0292634683898
[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)	569456673.184000	569455838.4853899
Observation start date	2016-01-17T22:23:25	2016-01-17T22:10:38
[s] Observation end time (MET)	569466673.184000	569468100.0485801
Observation end date	2016-01-18T01:10:05	2016-01-18T01:35:00
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

## 2.3 Aspect



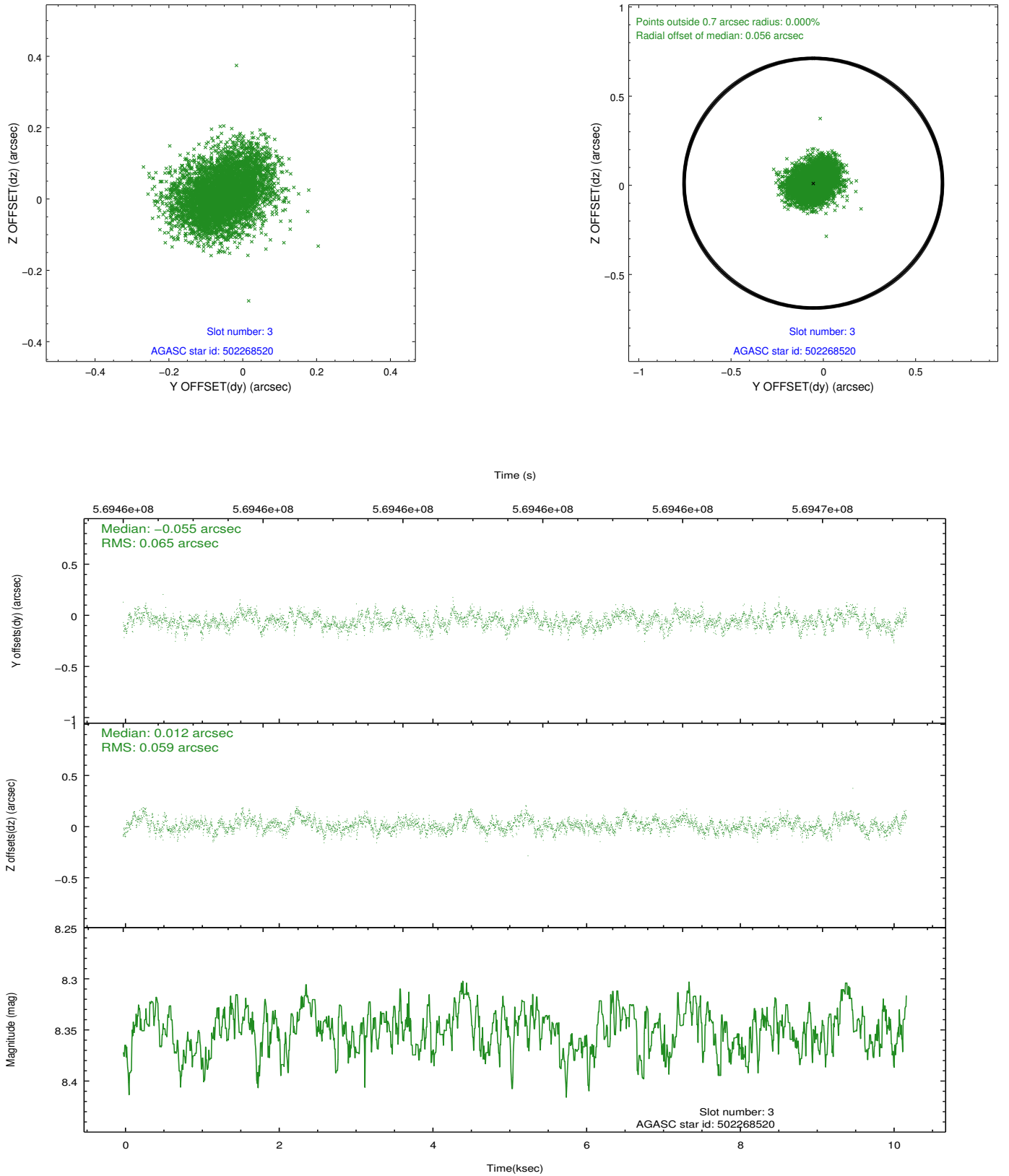


### Slot Statistics

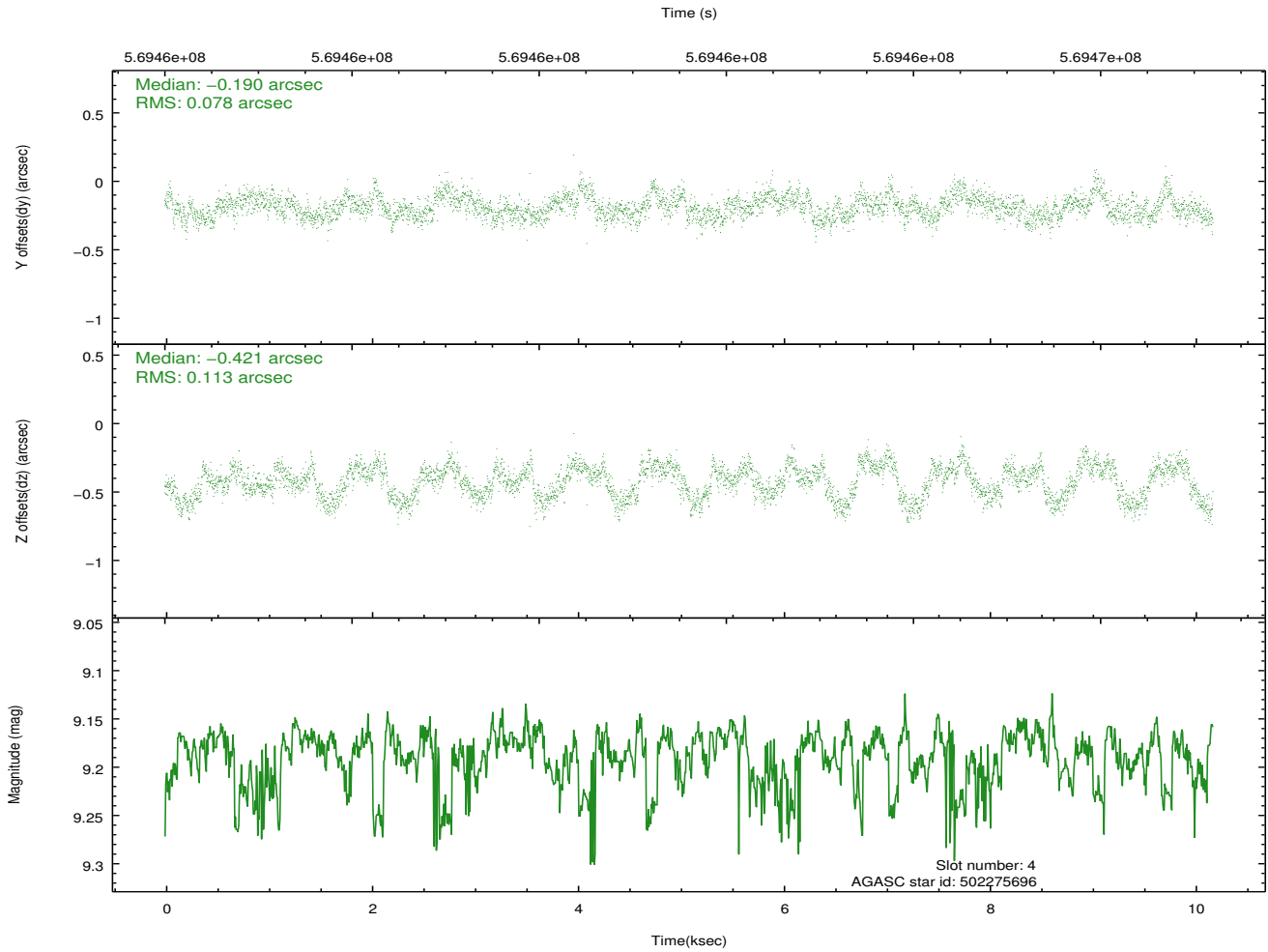
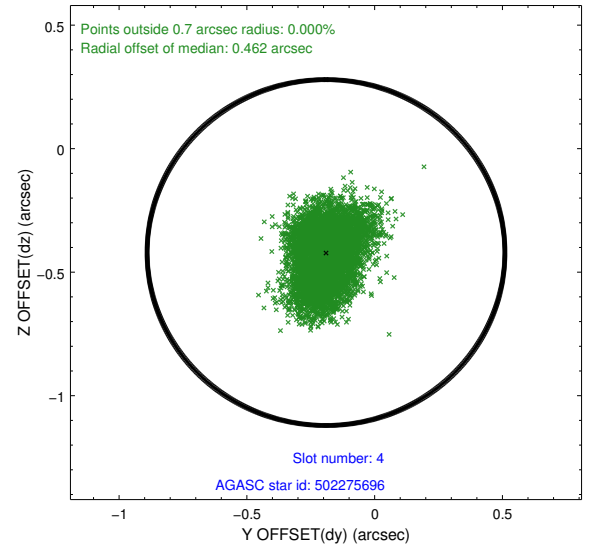
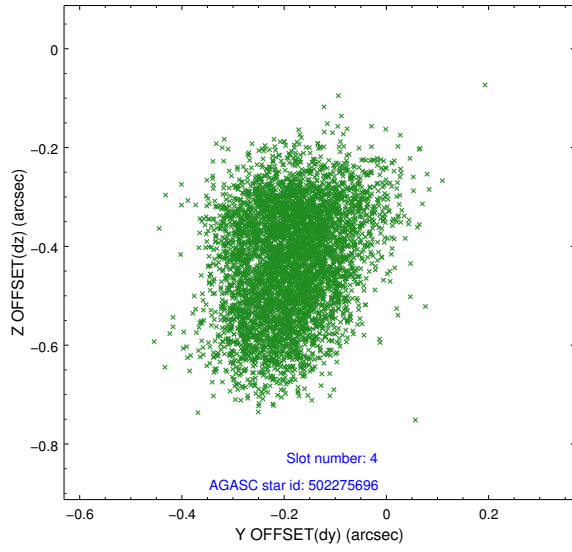
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2486	-0.221	-0.132	0.009	0.016	0.000000	0.000000	-773.05	-1741.52
1	FID		ACIS-S-4	7.23	2486	0.474	0.142	0.006	0.011	0.000000	0.000000	2140.67	166.72
2	FID		ACIS-S-5	7.24	2486	-0.285	-0.000	0.009	0.019	0.000000	0.000000	-1825.31	160.80
3	GUIDE	used	502268520	8.35	4970	-0.055	0.012	0.093	0.151	177.515209	53.810397	1663.02	-701.41
4	GUIDE	used	502275696	9.19	4957	-0.190	-0.421	0.148	0.234	176.404420	53.786146	2116.25	1618.37
5	GUIDE	used	502276288	8.68	4970	0.160	-0.147	0.087	0.140	176.970352	53.015152	-864.57	1079.43
6	GUIDE	used	502403112	8.58	4971	0.042	0.383	0.089	0.142	178.253675	53.634619	706.48	-2100.93
7	GUIDE	used	502404040	8.47	4971	0.039	0.182	0.102	0.160	178.093425	53.784802	1307.79	-1881.72

## 2.4 Star Slots

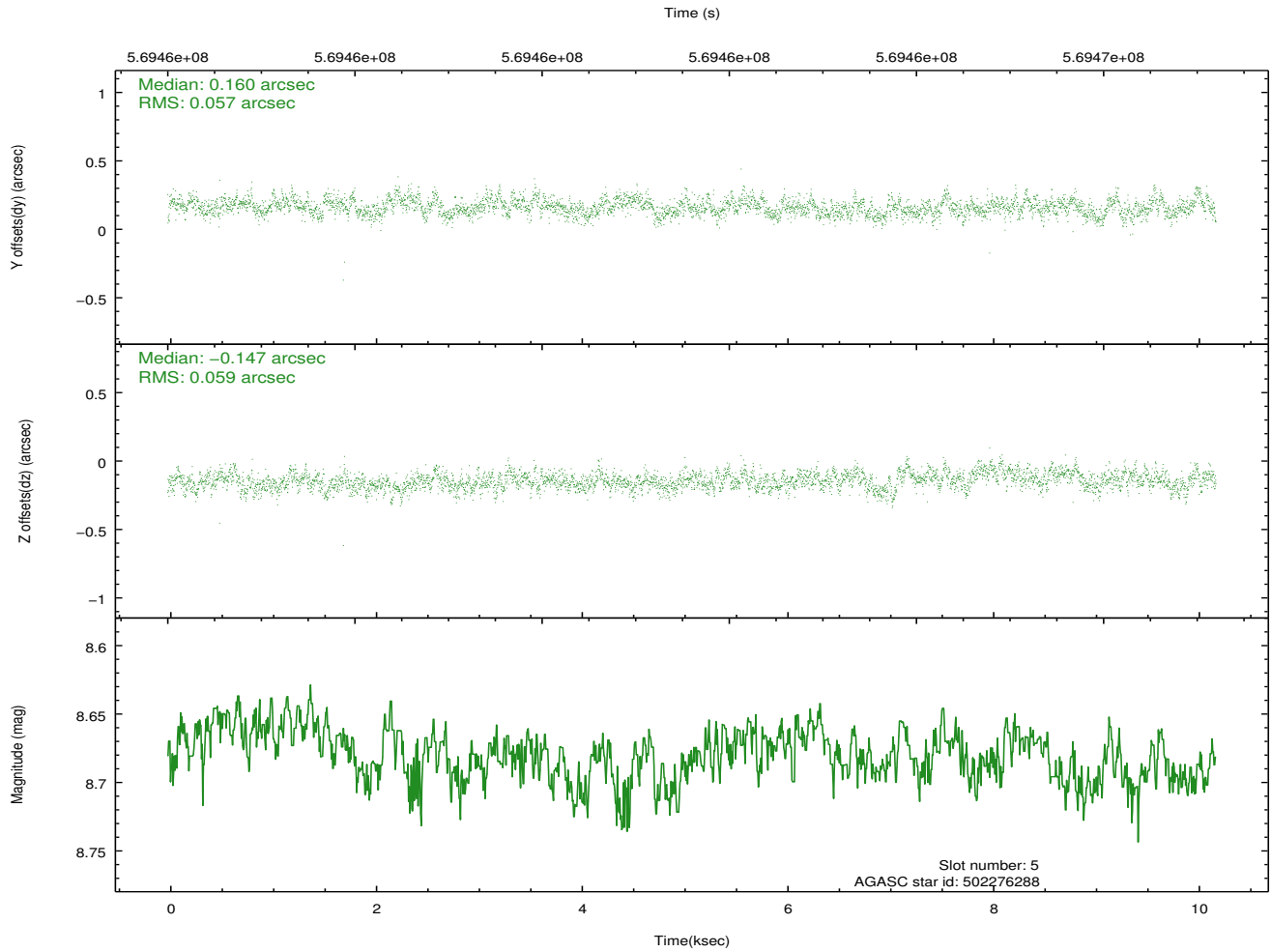
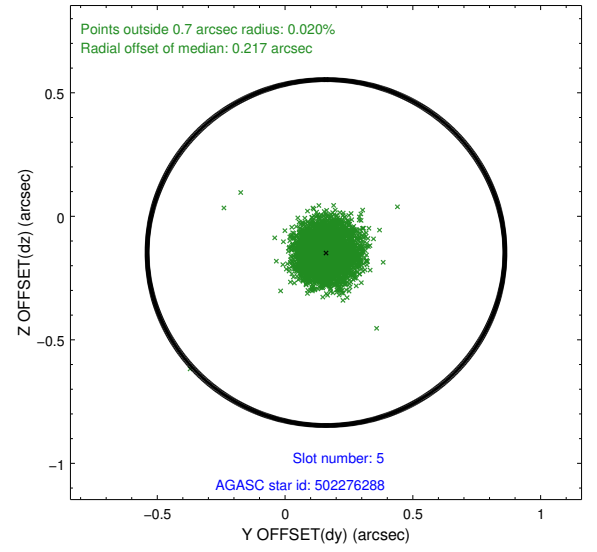
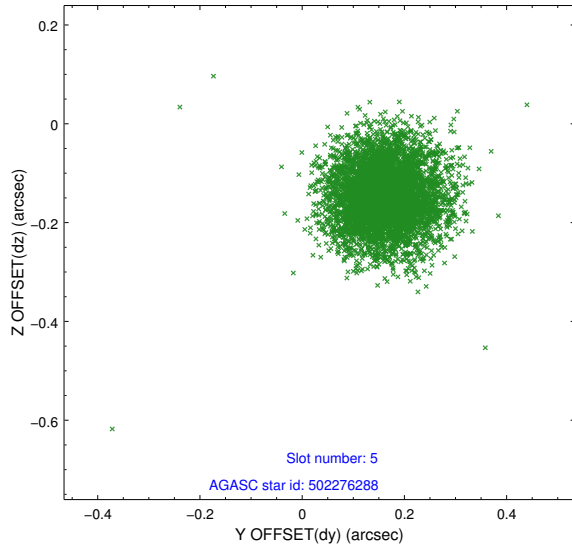
### 2.4.1 Slot 3



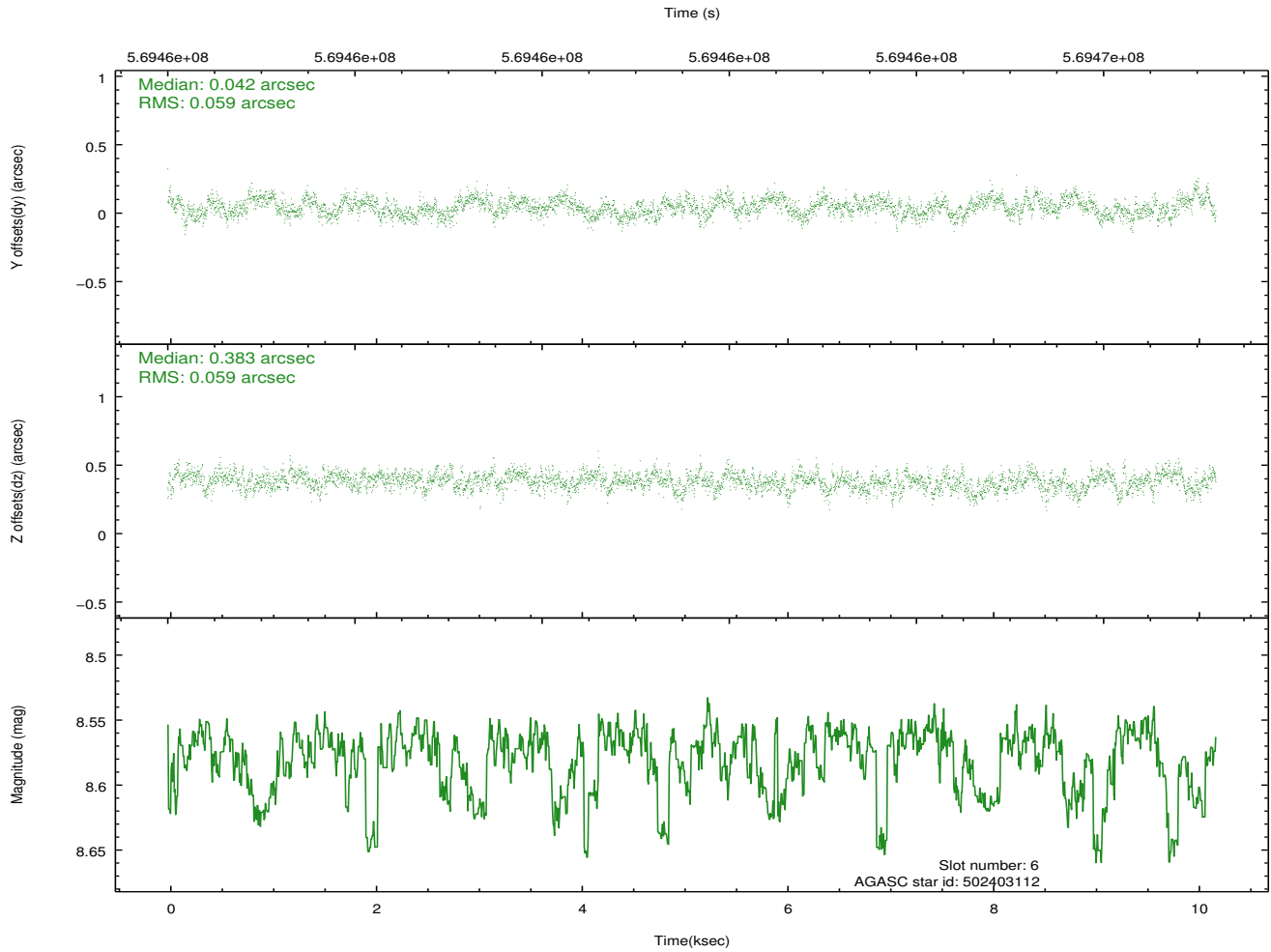
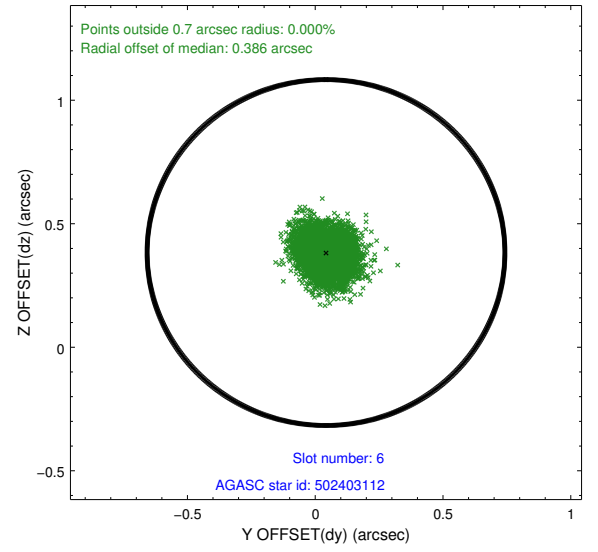
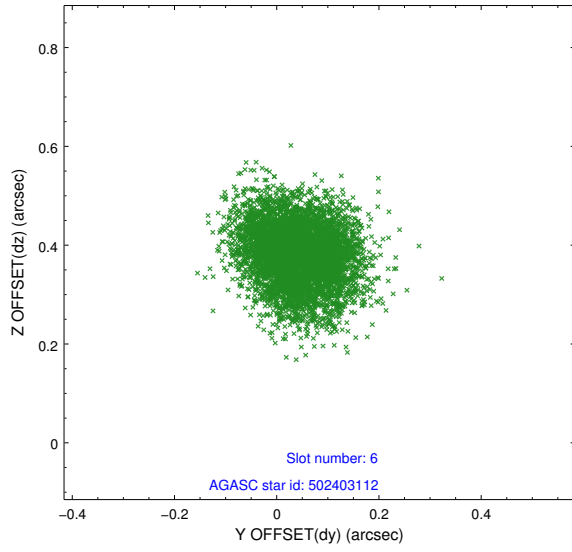
## 2.4.2 Slot 4



### 2.4.3 Slot 5

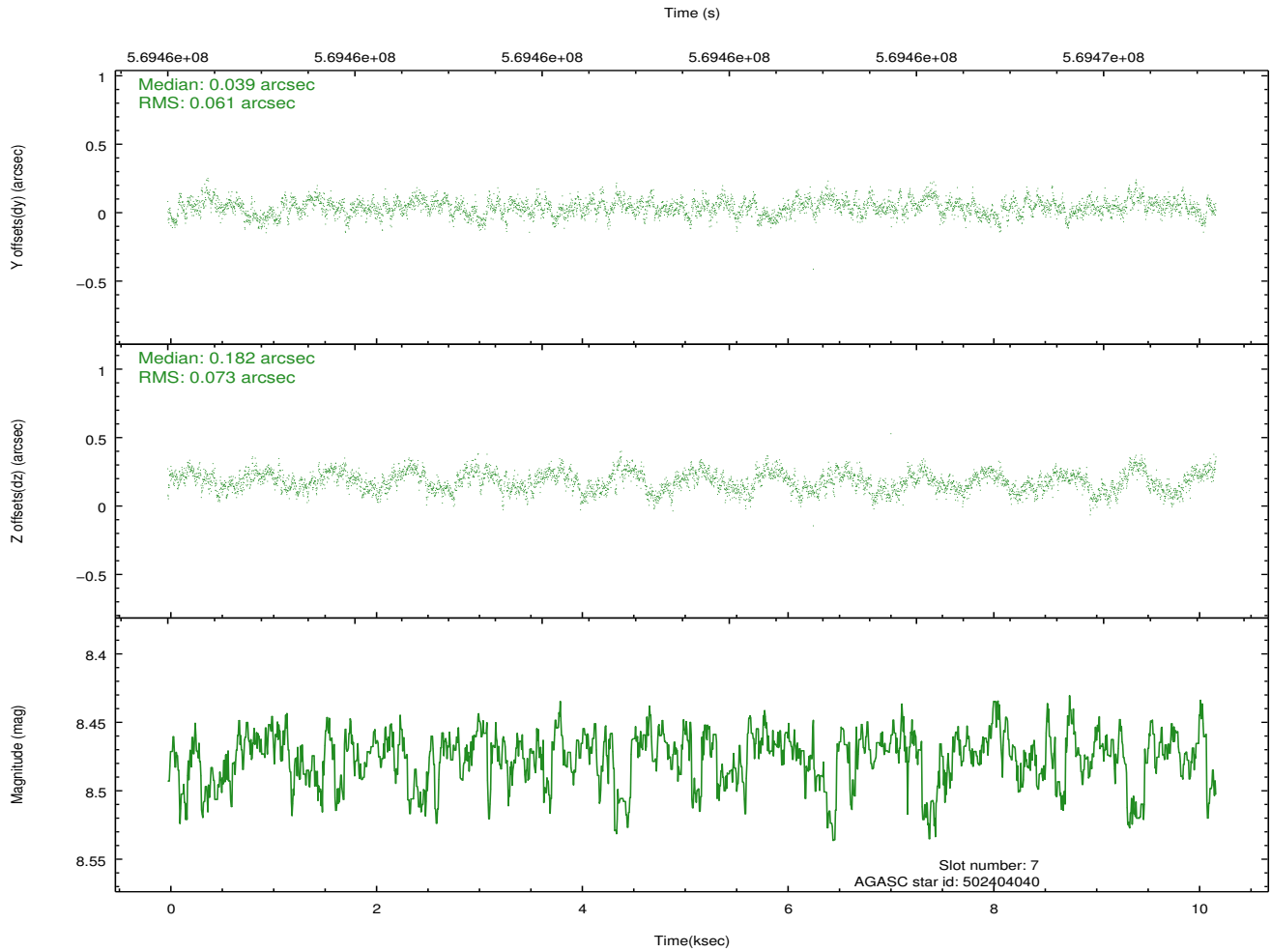
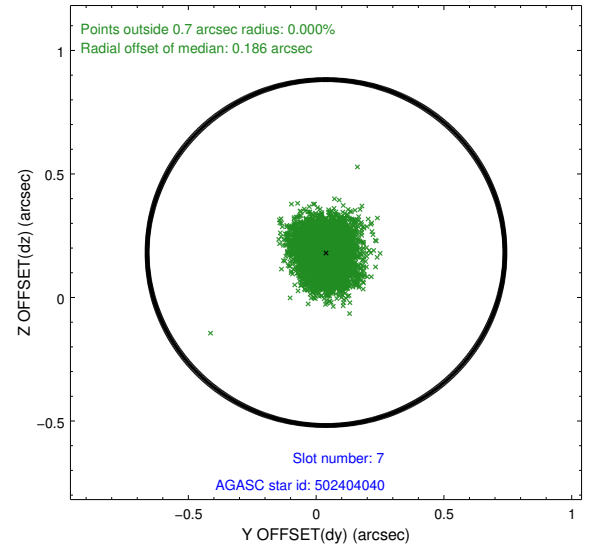
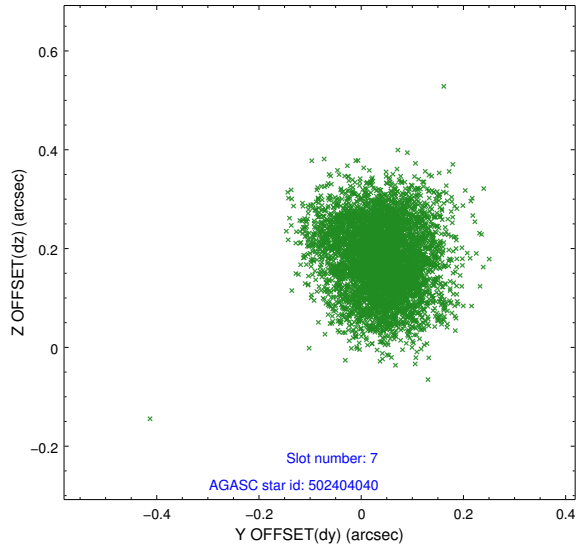


## 2.4.4 Slot 6



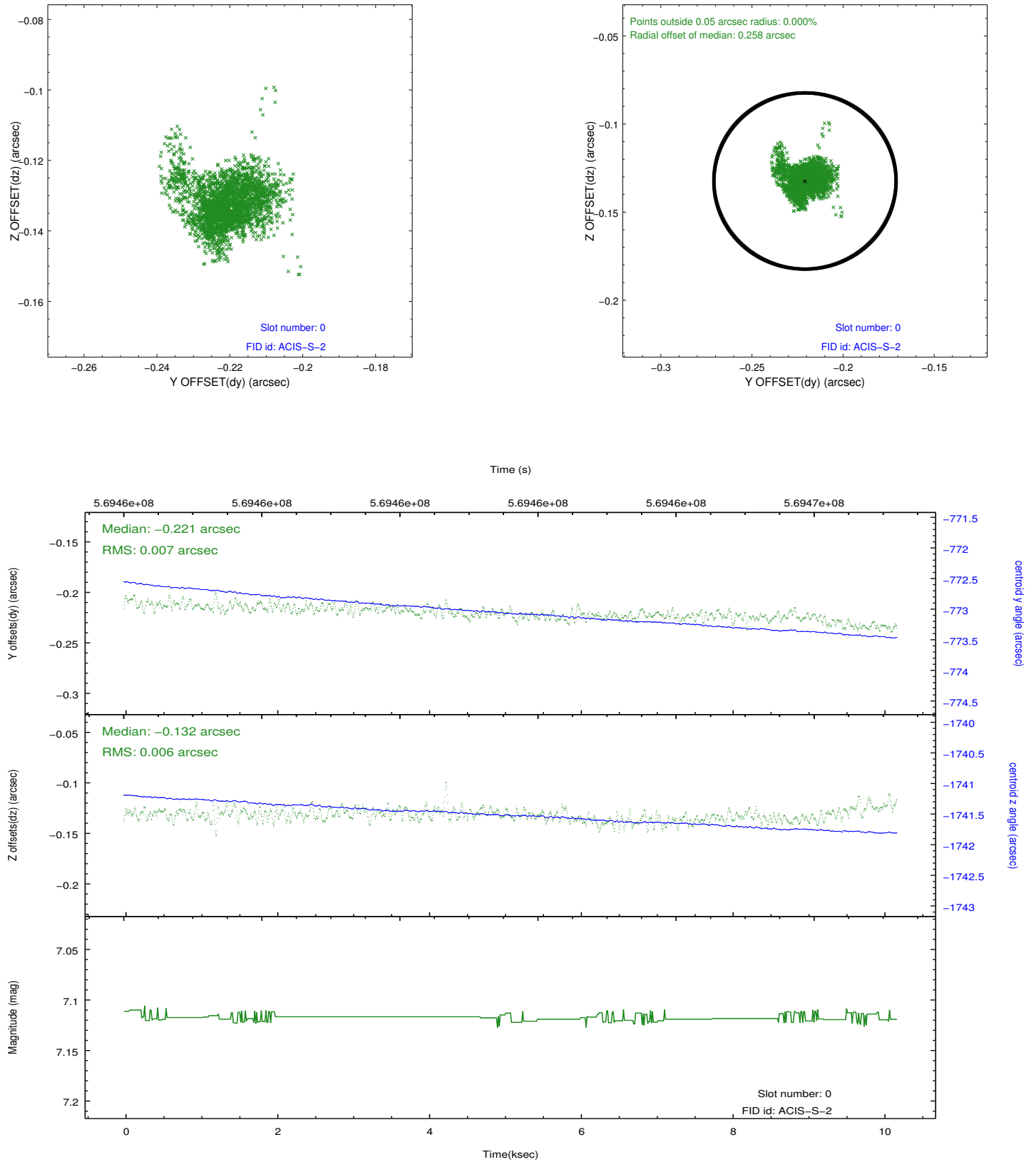


## 2.4.5 Slot 7

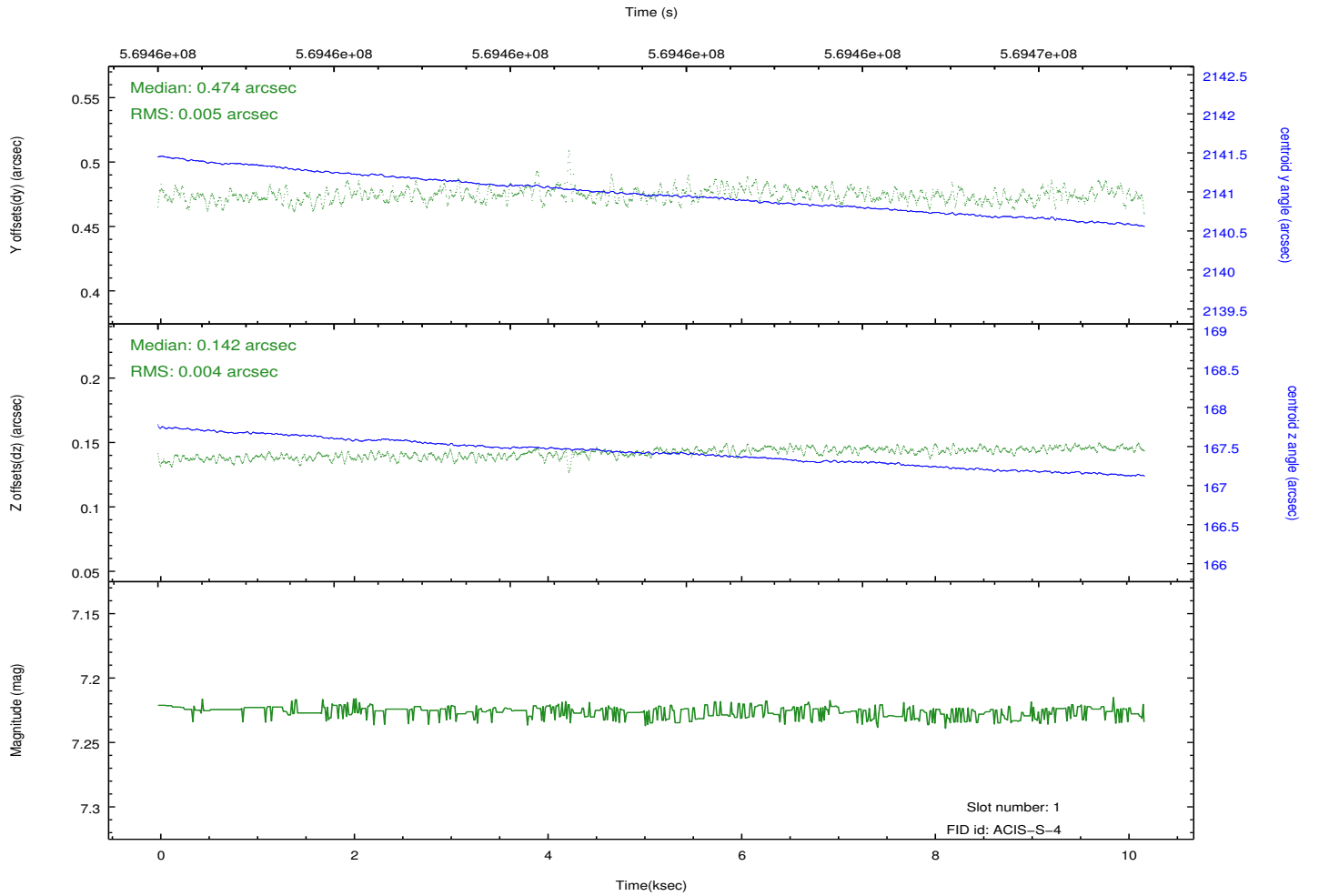
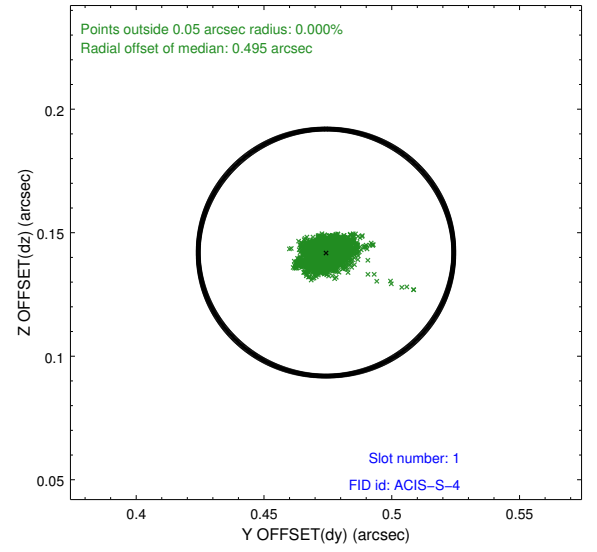
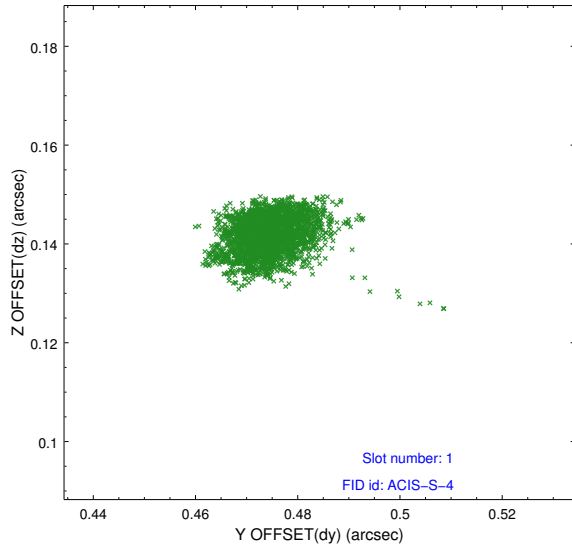


## 2.5 FID Slots

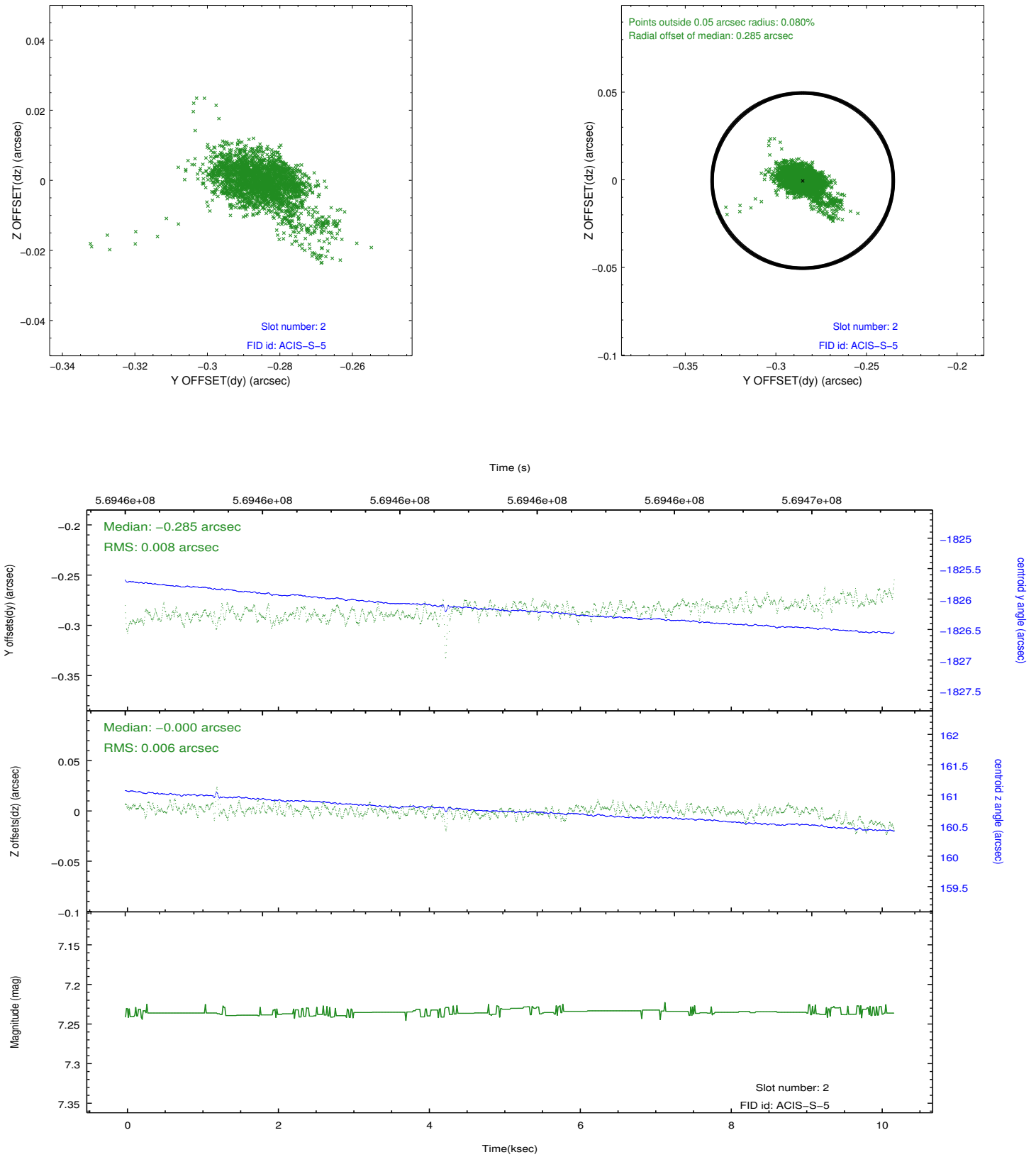
### 2.5.1 Slot 0



## 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)	2016.01.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069996523499

### A.2 Comments