

# V&V Reference Report

## L2 ASCDS Version : 10.5

Observation 17841 - L2 Version 1  
Chandra X-Ray Center

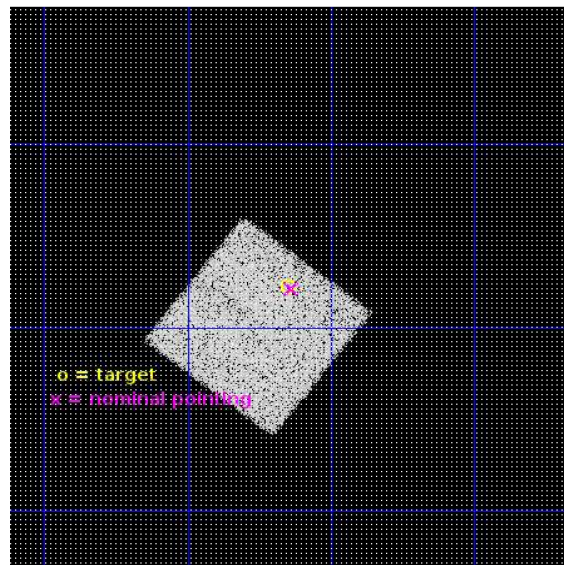
L2 Processing Date : Jul 3 2016

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# 1 Front

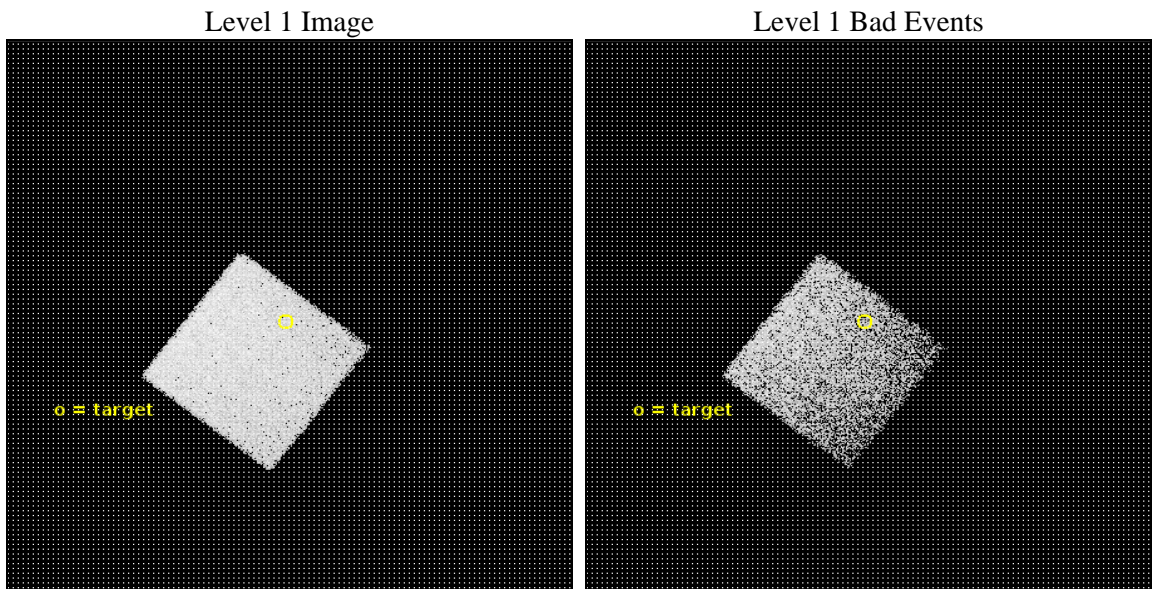
seq_num	401773	Sequence number
obs_id	17841	Observation id
title	The Massive Companions to Low-Mass White Dwarfs	Proposal title
observer	Mr. Jeff Andrews	Principal investigator
object	SDSS J210308.8-002748.9	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	315.786667	Observer's specified target RA [deg]
dec_targ	-0.463583	Observer's specified target Dec [deg]
ra_nom	315.78447081038	Nominal RA [deg]
dec_nom	-0.4648337777051	Nominal Dec [deg]
roll_nom	127.45905605158	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10593.0	Sum of GTIs [s]
livetime	10450.043406203	Livetime [s]
ontime7	10593.0	Sum of GTIs [s]
l2events	37156	Number of level 2 events



## 2 OBI

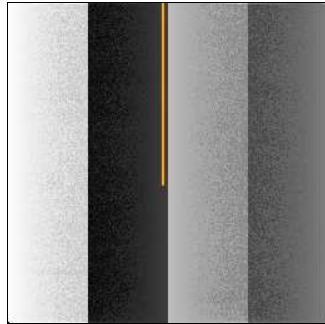
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	10500.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	10593.0	Sum of GTIs [s]
caldsver	4.7.2	&#160	ontime7	10593.0	Sum of GTIs [s]
date	2016-07-04T01:47:57	Date and time of file creation	l1events	86426	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	86426
rejected events	48251
rejected %	55%

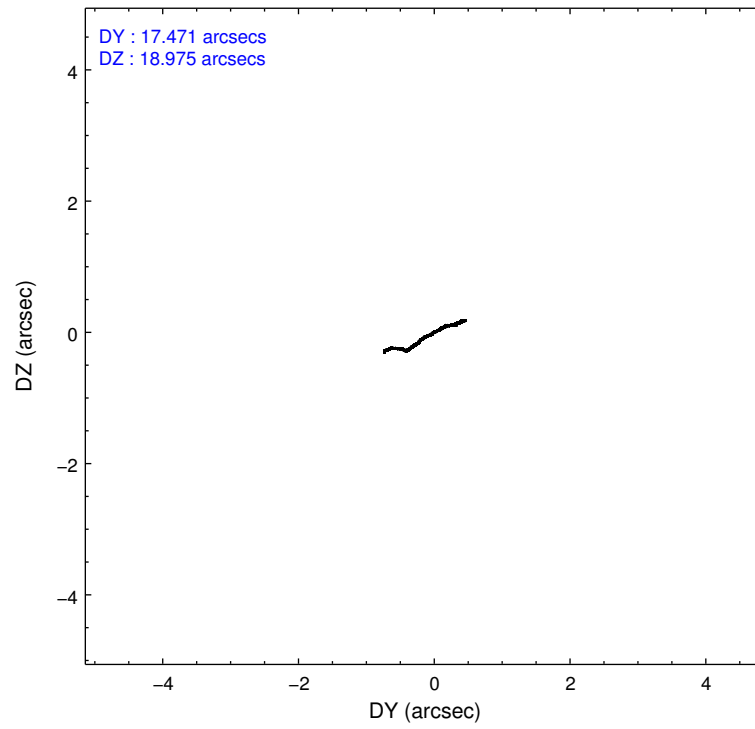
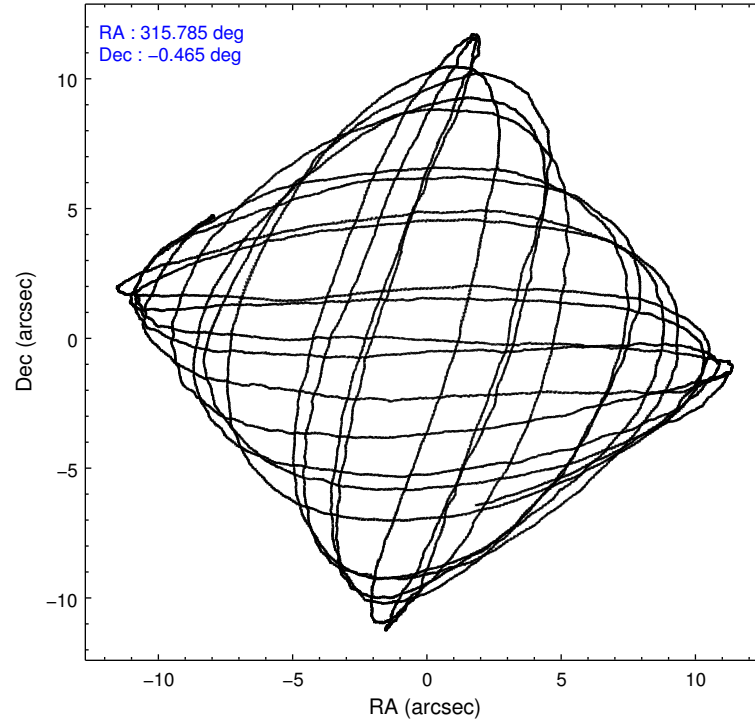
	<b>ccd 7</b>
grade 0 events	3164
	3%
grade 1 events	101
	0%
grade 2 events	8052
	9%
grade 3 events	3076
	3%
grade 4 events	3016
	3%
grade 5 events	8569
	9%
grade 6 events	20881
	24%
grade 7 events	39567
	45%

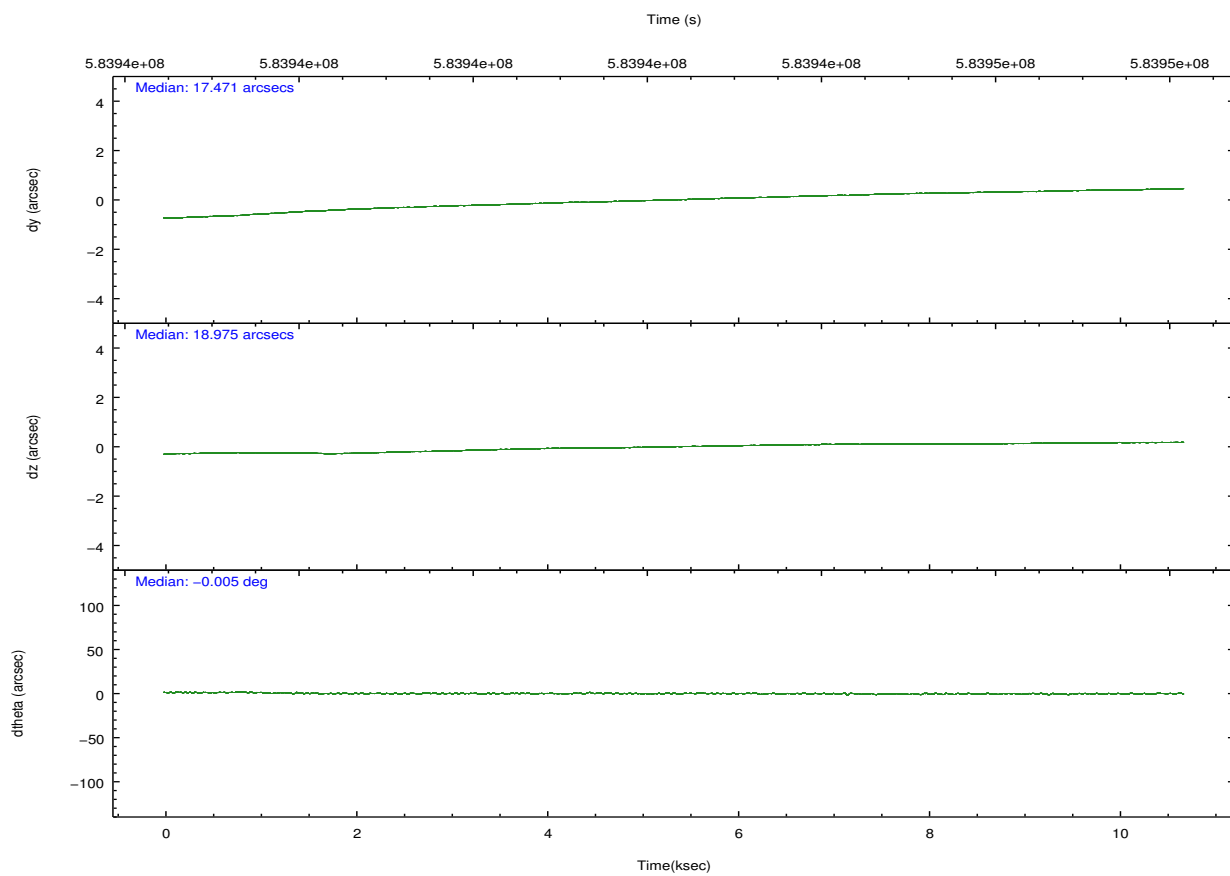
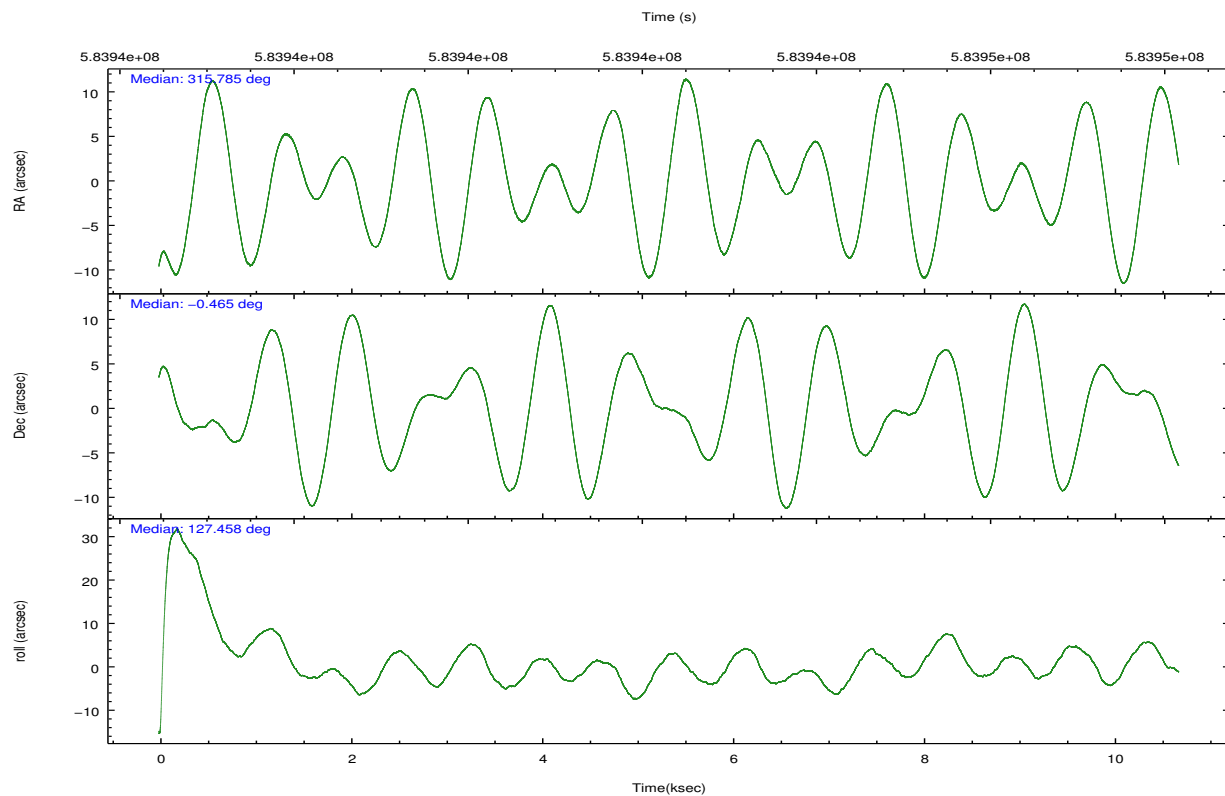


## 2.2 Compared Parameters

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	315.809980	315.7844708103838	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.475009	-0.4648337777050996	Alternating exposures requested	N	N
[deg] Pointing Roll	127.302696	127.4590560515846	[s] Primary exposure time	0.000000	3
[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)	583937122.184000	583936309.96022			
Observation start date	2016-07-03T12:44:14	2016-07-03T12:31:49			
[s] Observation end time (MET)	583947622.184000	583948155.3734			
Observation end date	2016-07-03T15:39:14	2016-07-03T15:49:15			
Read mode	TIMED	TIMED			

## 2.3 Aspect



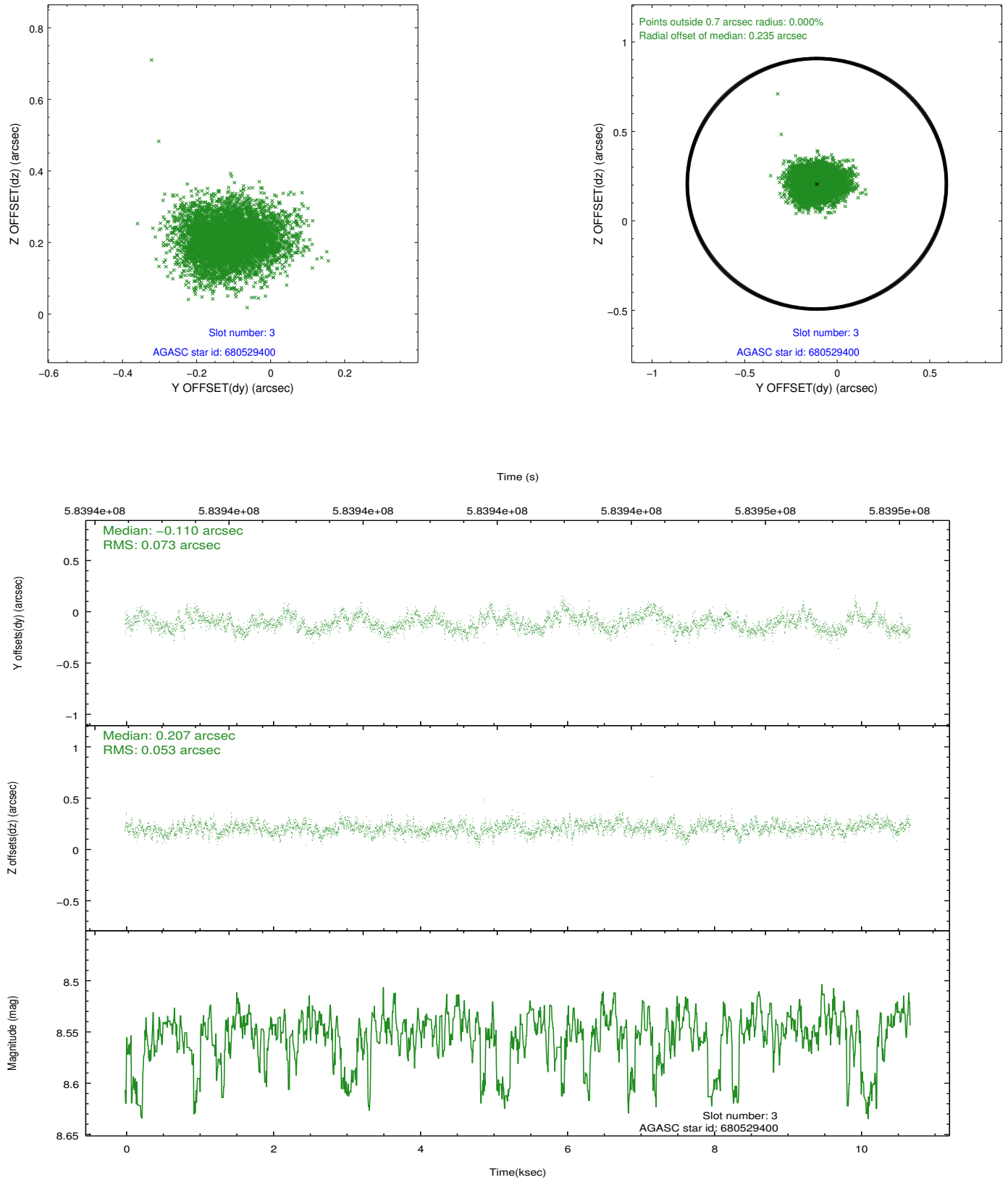


### Slot Statistics

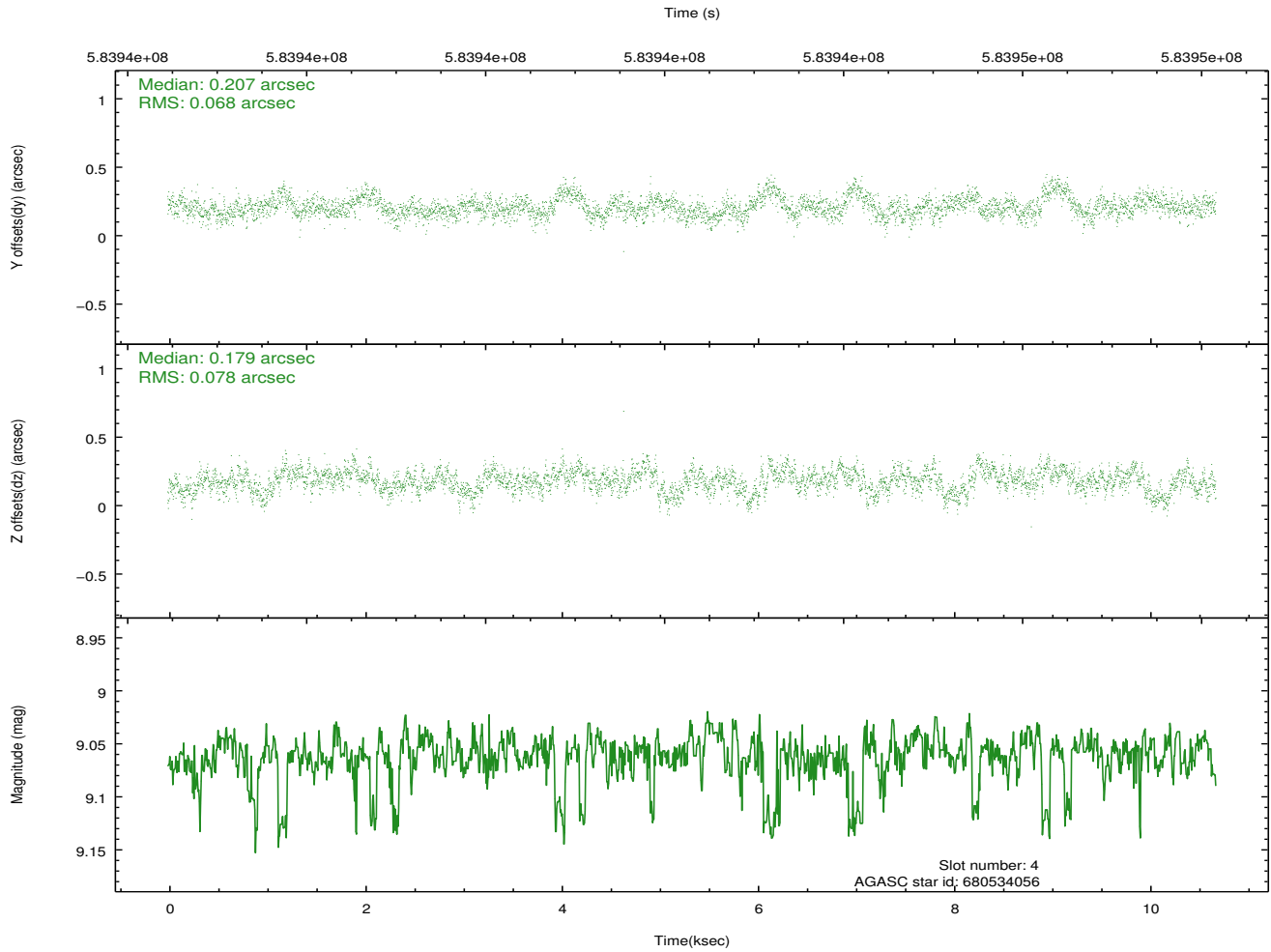
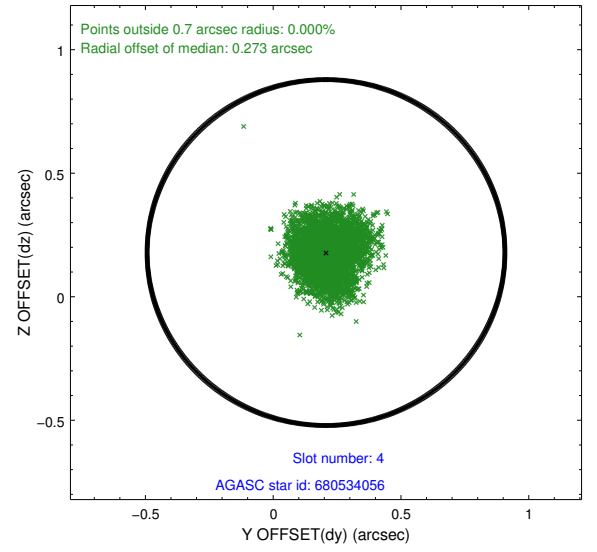
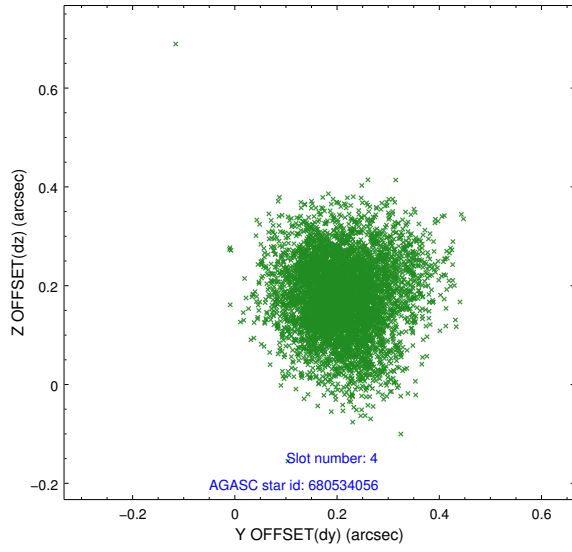
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	2606	-0.182	-0.151	0.011	0.019	0.000000	0.000000	-770.63	-1740.59
1	FID		ACIS-S-4	7.22	2606	0.483	0.129	0.015	0.025	0.000000	0.000000	2143.06	167.70
2	FID		ACIS-S-5	7.22	2606	-0.329	0.031	0.013	0.021	0.000000	0.000000	-1823.02	161.78
3	GUIDE	used	680529400	8.55	5211	-0.110	0.207	0.096	0.156	315.522849	-0.017644	1936.38	-175.25
4	GUIDE	used	680534056	9.06	5211	0.207	0.179	0.109	0.181	315.967565	-0.884527	-1515.73	442.45
5	GUIDE	used	680538384	9.63	5199	-0.165	-0.172	0.188	0.303	315.340364	-0.166385	1907.66	671.62
6	GUIDE	used	680542176	7.01	5175	-0.017	-0.147	0.110	0.184	315.748442	-0.924746	-1153.18	1157.47
7	GUIDE	used	680526864	7.56	5209	0.077	-0.067	0.100	0.163	315.781703	-1.308573	-2325.84	1899.81

## 2.4 Star Slots

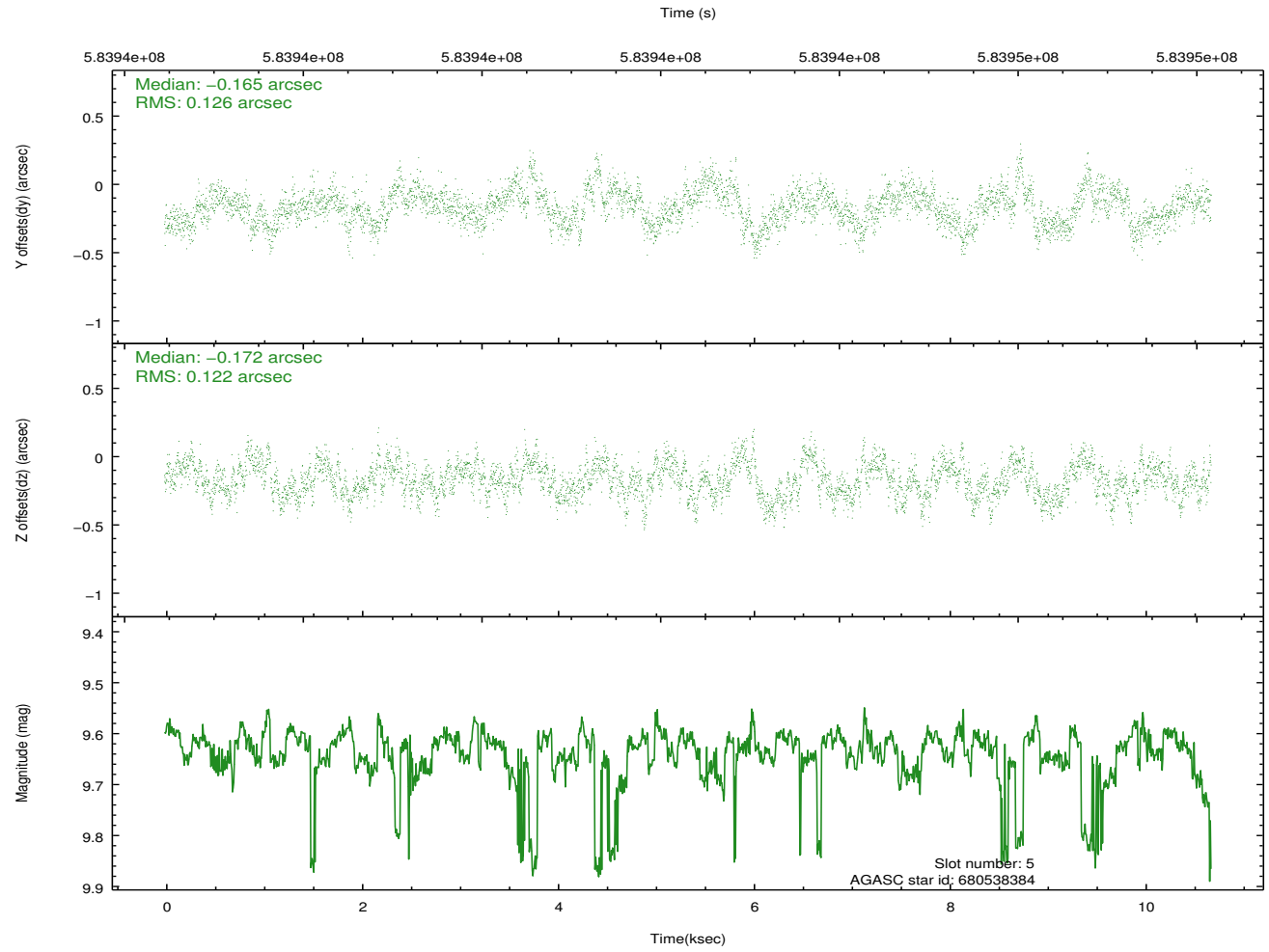
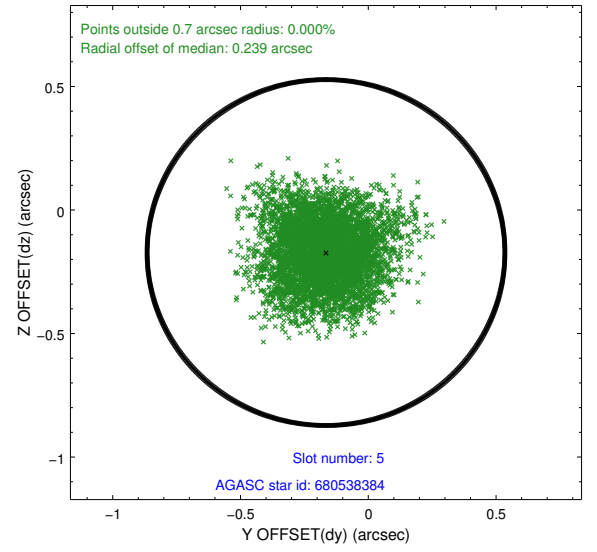
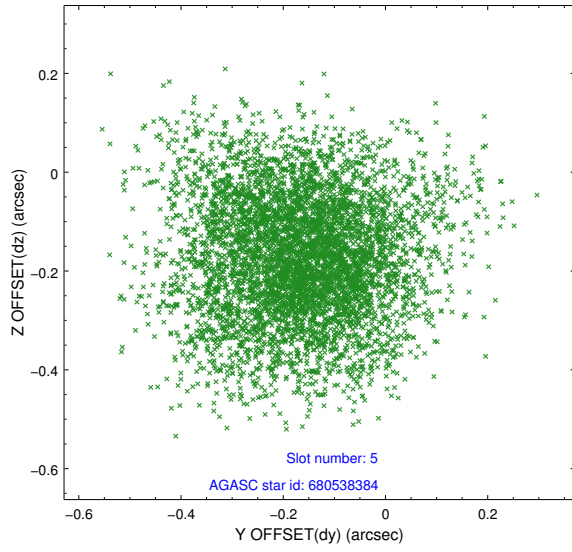
### 2.4.1 Slot 3



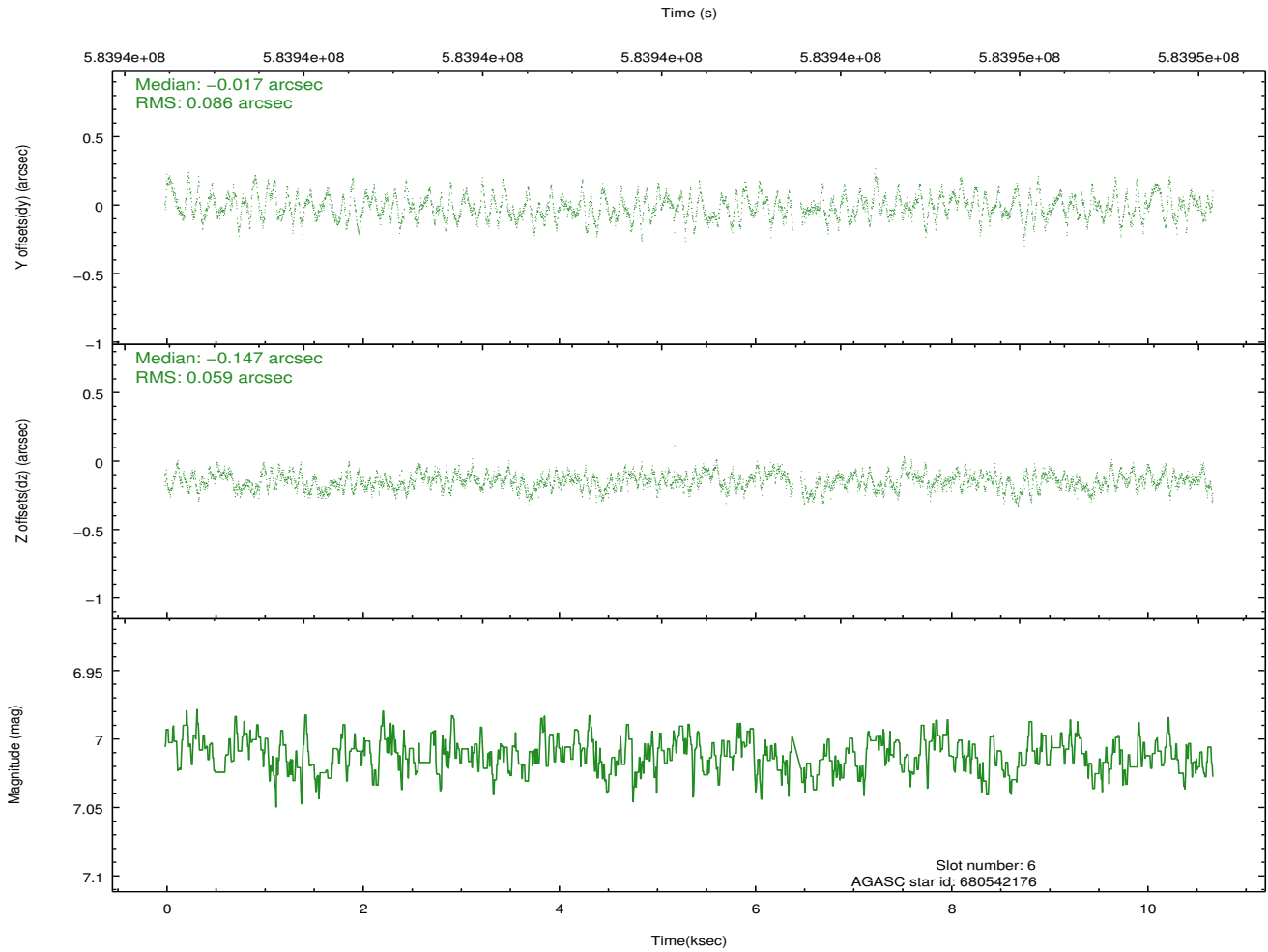
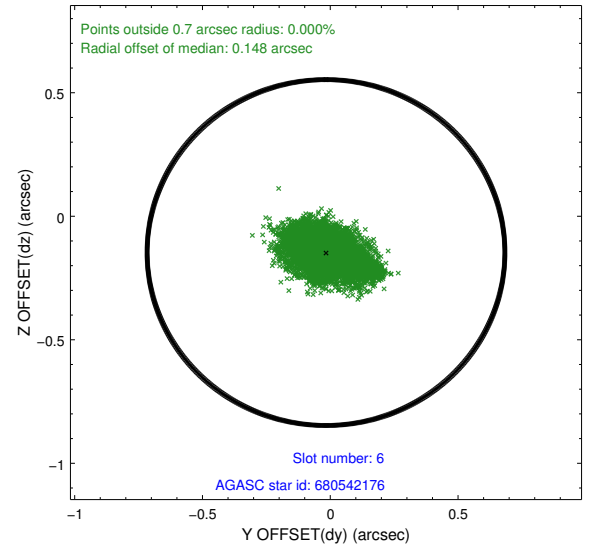
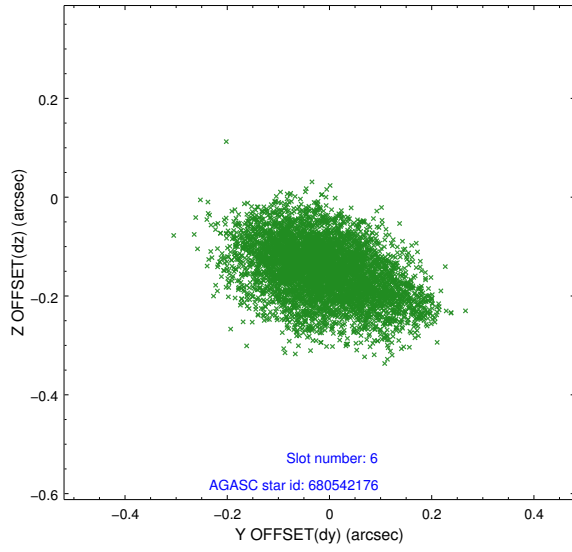
## 2.4.2 Slot 4



### 2.4.3 Slot 5

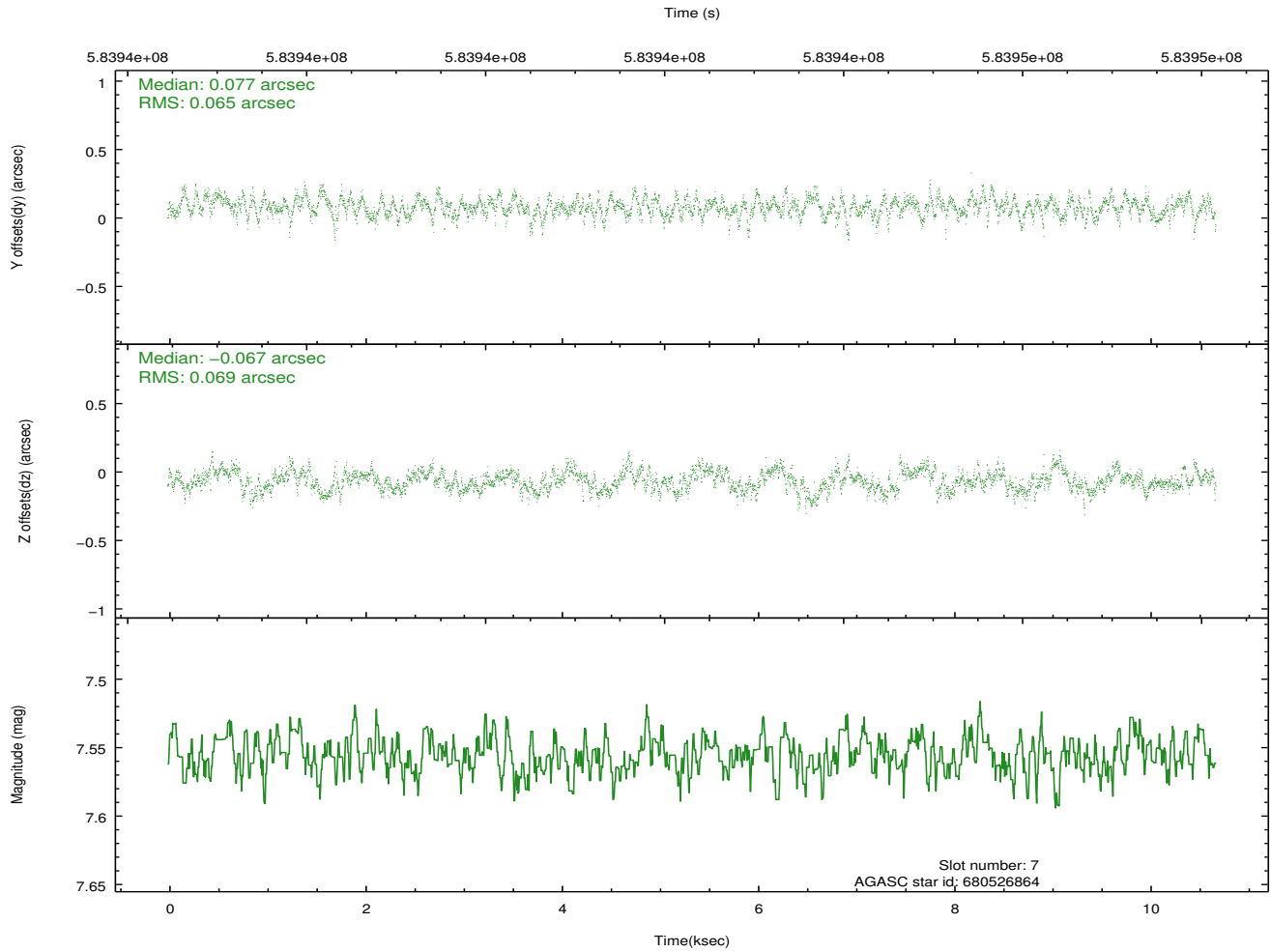
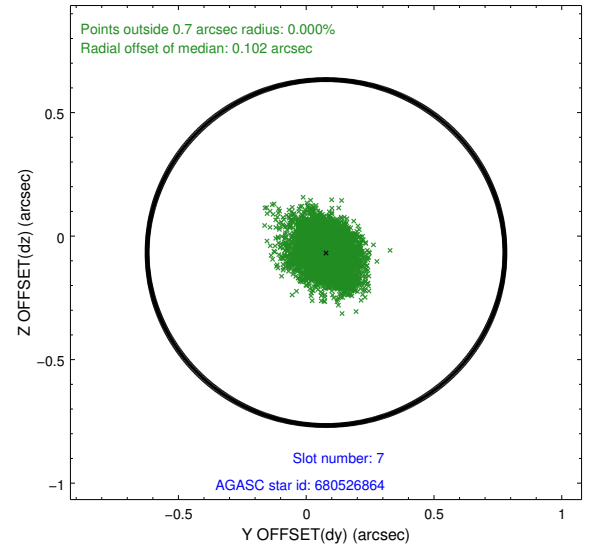
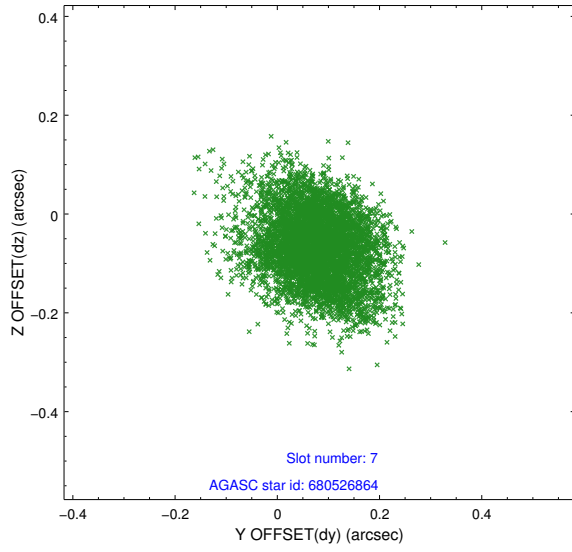


## 2.4.4 Slot 6



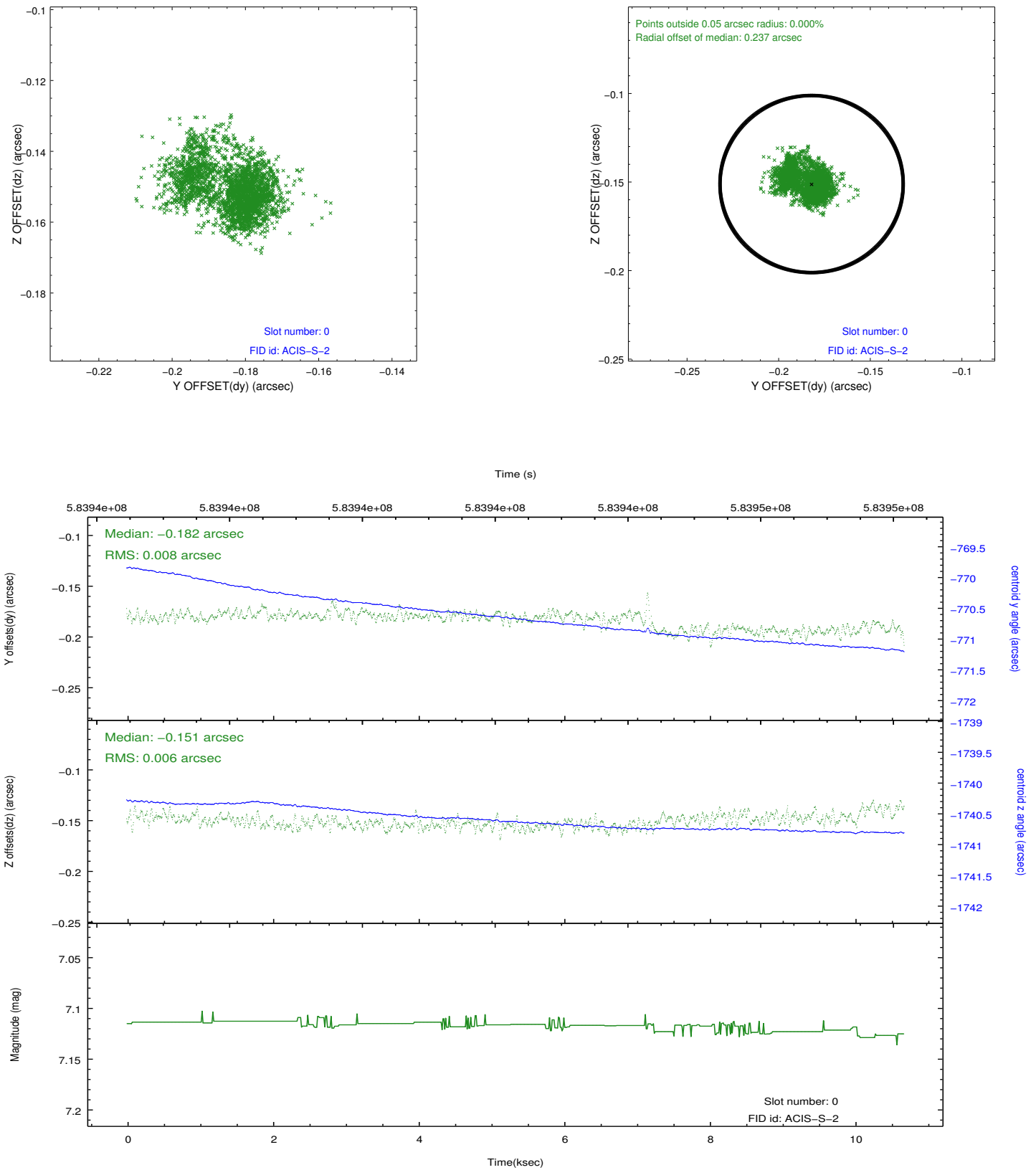


## 2.4.5 Slot 7

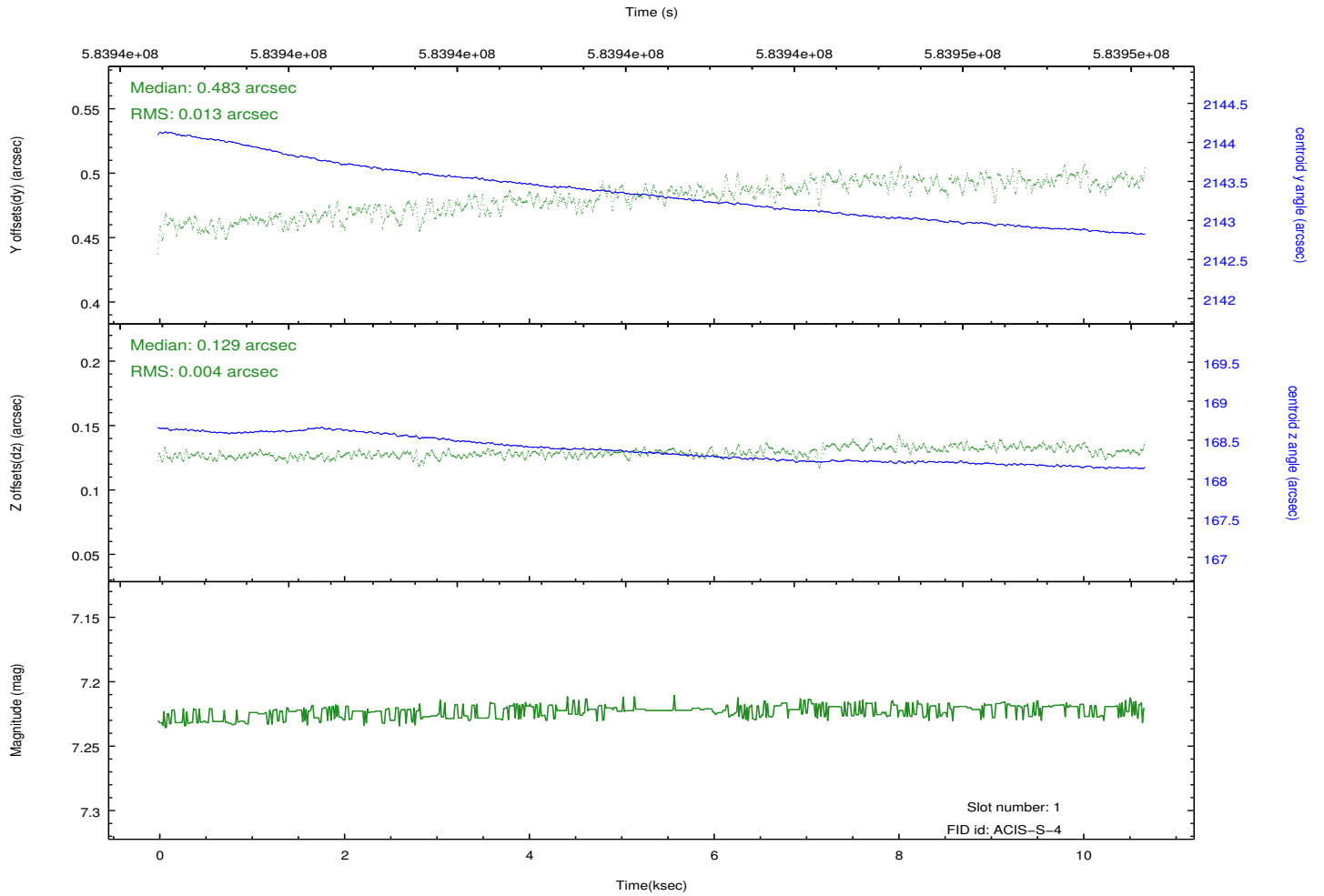
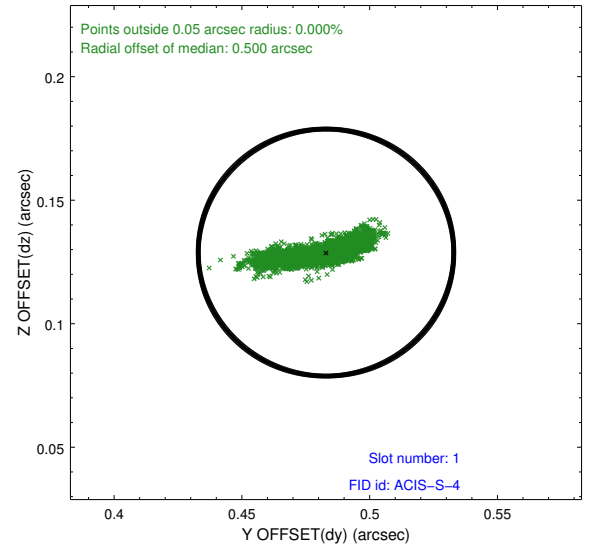
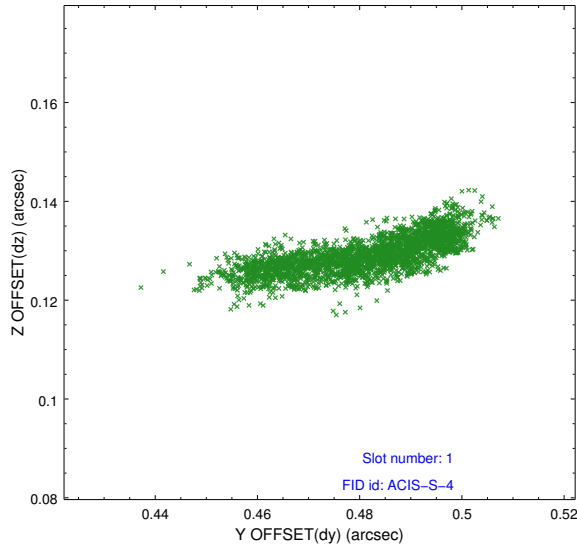


## 2.5 FID Slots

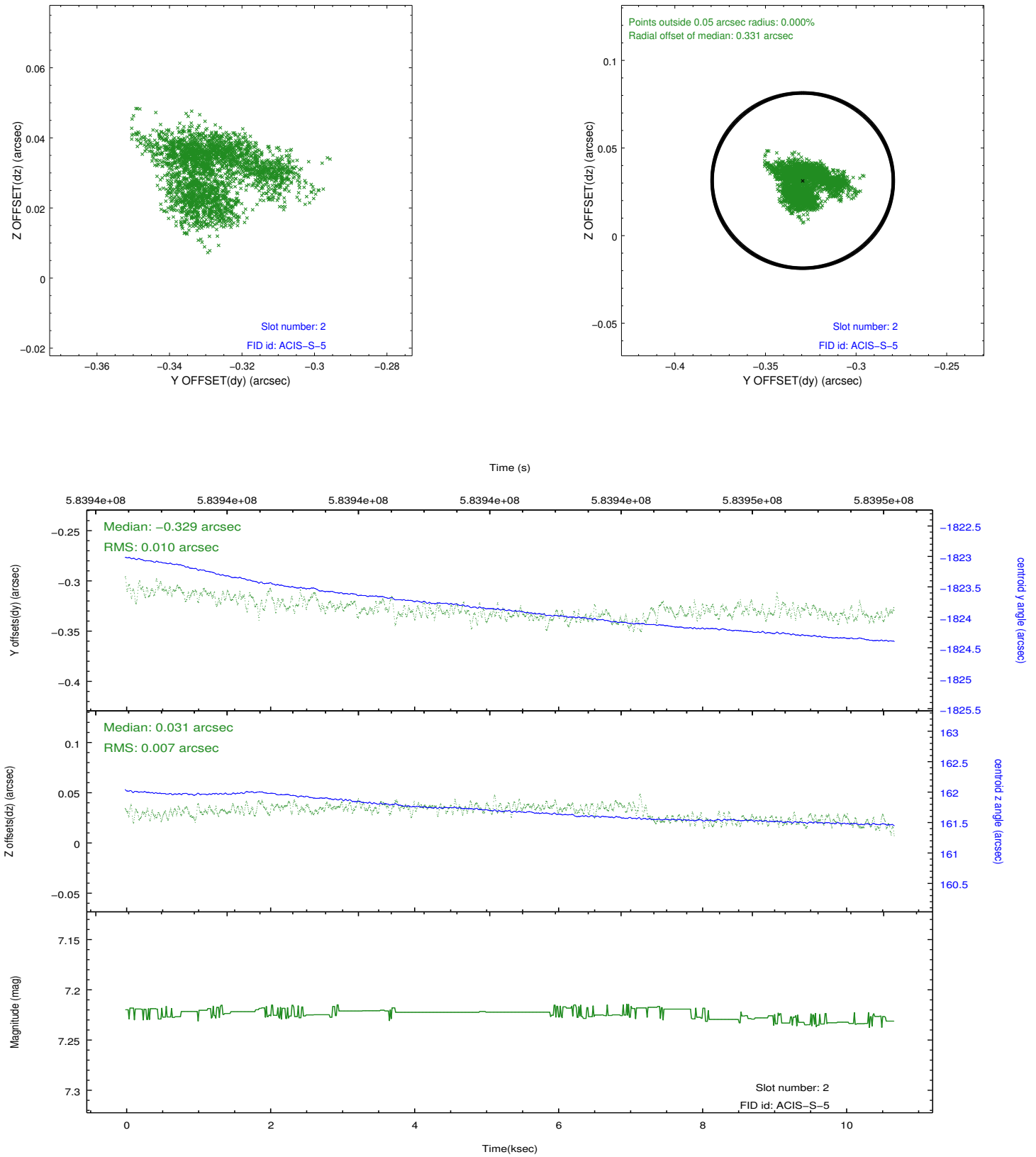
### 2.5.1 Slot 0



## 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)	2016.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.593

### A.2 Comments