

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 13366 - L2 Version 1  
Chandra X-Ray Center

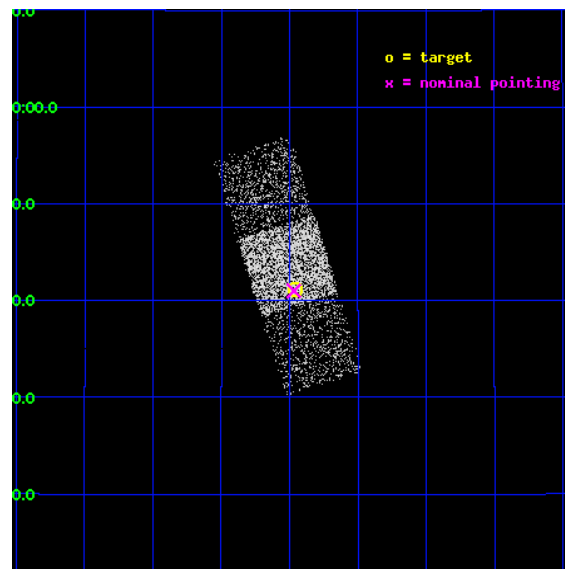
L2 Processing Date : Jul 10 2012

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# 1 Front

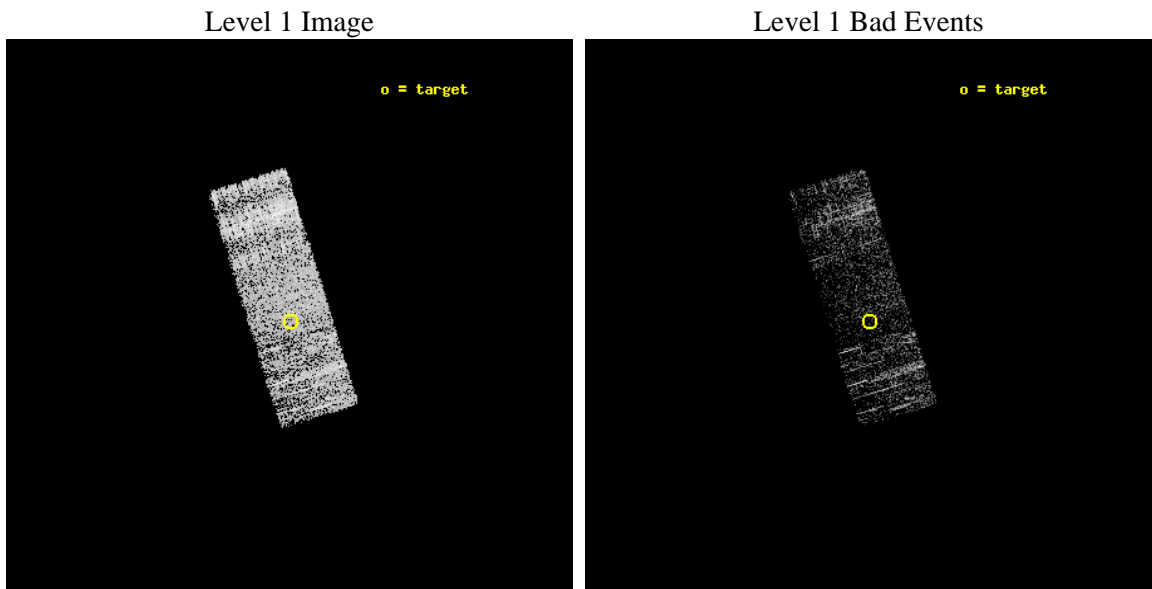
seq_num	702573	Sequence number
obs_id	13366	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1210+1741	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.615	Observer's specified target RA [deg]
dec_targ	17.685806	Observer's specified target Dec [deg]
ra_nom	182.61706056025	Nominal RA [deg]
dec_nom	17.683576225697	Nominal Dec [deg]
roll_nom	252.69244736843	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.037584424	Sum of GTIs [s]
livetime	1556.4324273853	Livetime [s]
ontime6	1576.9965444207	Sum of GTIs [s]
ontime7	1577.037584424	Sum of GTIs [s]
ontime8	1576.9555044174	Sum of GTIs [s]
l2events	6431	Number of level 2 events



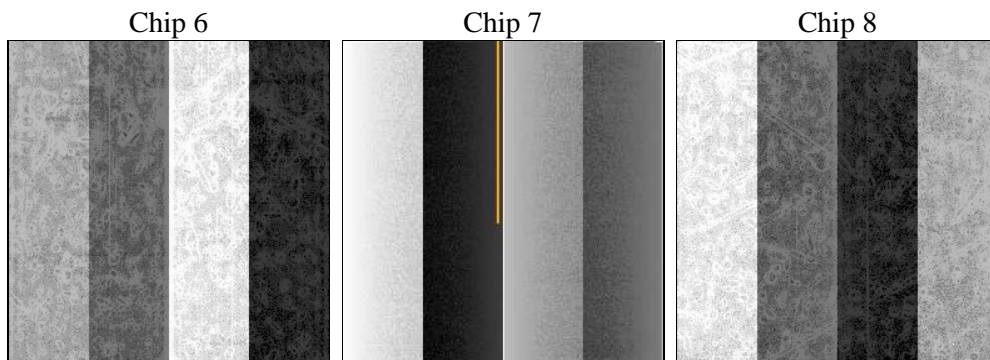
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1577.037584424	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime6	1576.9965444207	Sum of GTIs [s]
date	2012-07-10T10:13:56	Date and time of file creation	ontime7	1577.037584424	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1576.9555044174	Sum of GTIs [s]
			l1events	32759	Number of level 1 events

### 2.1.4 Events

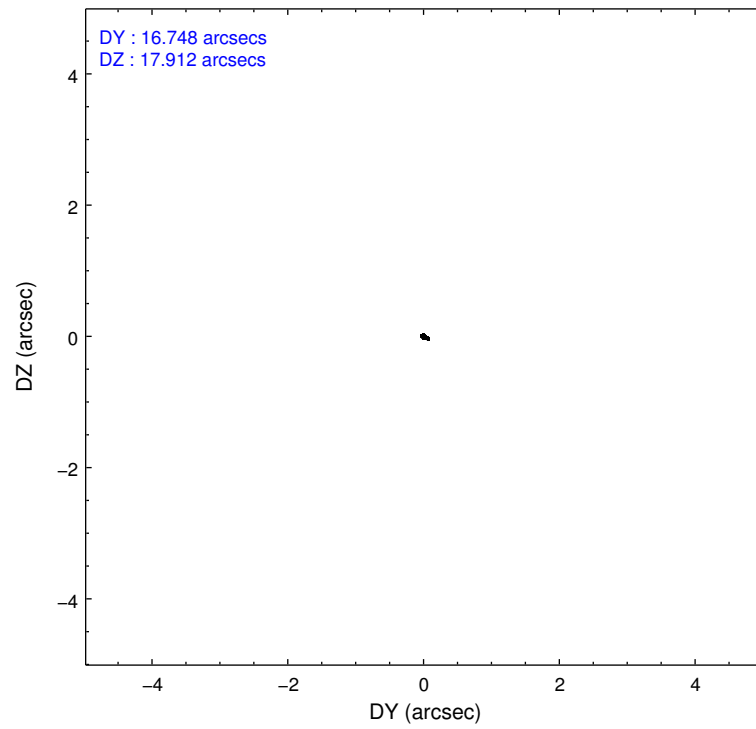
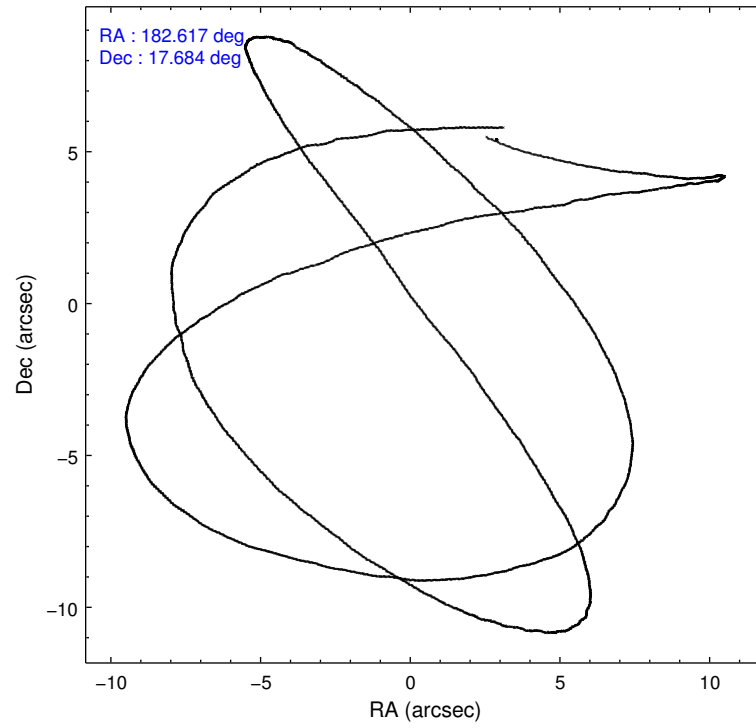
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
level 1 events	8987	9424	14348
rejected events	7883	4802	8577
rejected %	87%	50%	59%

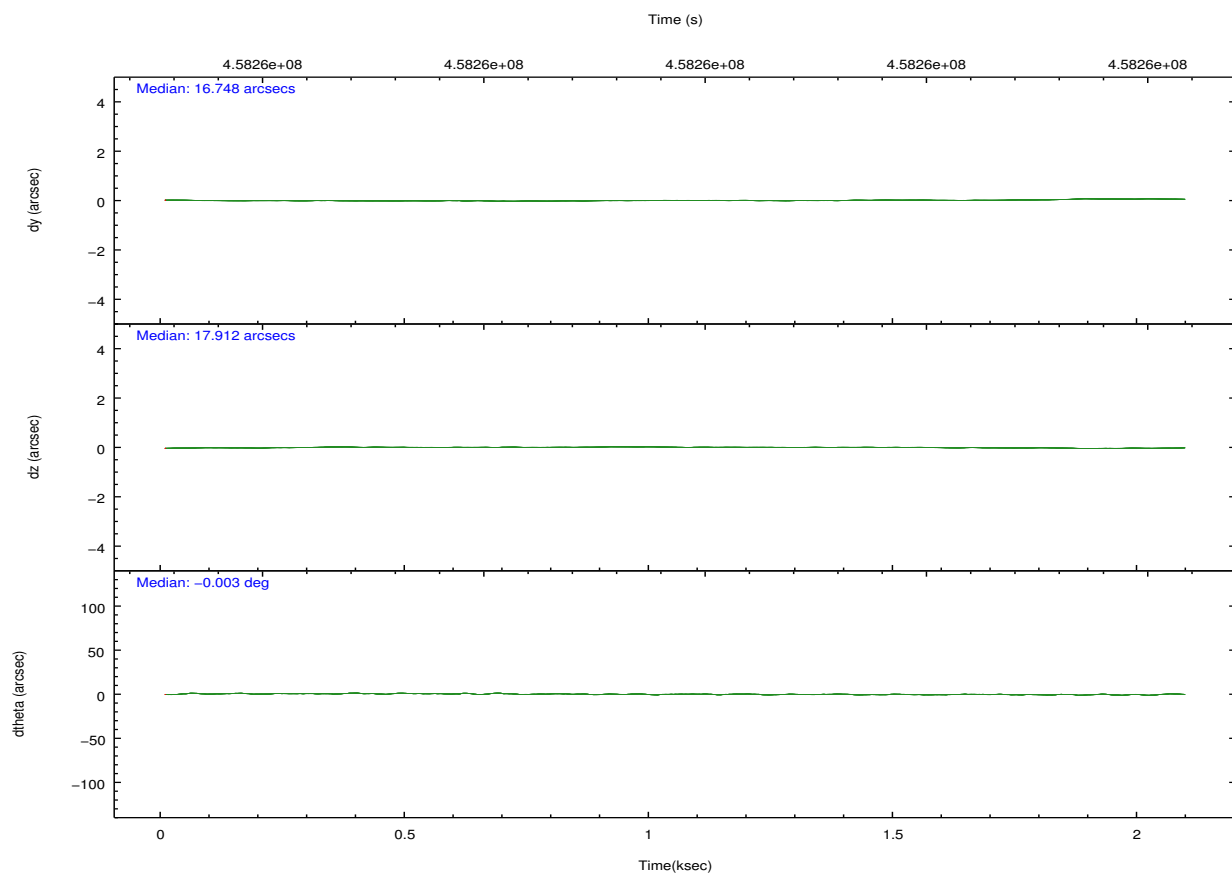
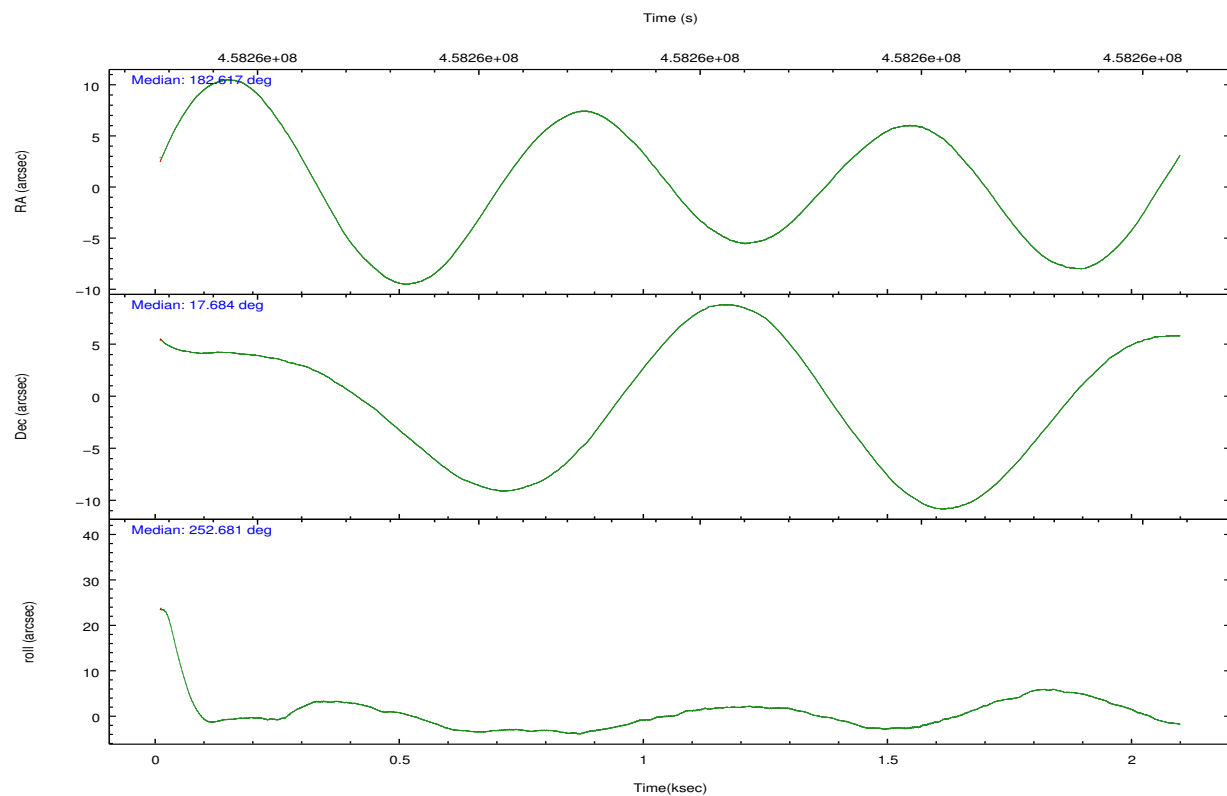
	<b>ccd 6</b>	<b>ccd 7</b>	<b>ccd 8</b>
grade 0 events	429	492	1713
	4%	5%	11%
grade 1 events	4	8	14
	0%	0%	0%
grade 2 events	249	981	979
	2%	10%	6%
grade 3 events	100	423	865
	1%	4%	6%
grade 4 events	129	417	806
	1%	4%	5%
grade 5 events	330	1007	576
	3%	10%	4%
grade 6 events	200	2325	1459
	2%	24%	10%
grade 7 events	7546	3771	7936
	83%	40%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	182.610361	182.6170605602454	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.710088	17.68357622569744	Alternating exposures requested	N	N
[deg] Pointing Roll	252.537696	252.692447368431	[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)	458257976.184000	458256954.84238			
Observation start date	2012-07-09T21:51:49	2012-07-09T21:35:54			
[s] Observation end time (MET)	458259476.184000	458260450.60507			
Observation end date	2012-07-09T22:16:49	2012-07-09T22:34:10			
Read mode	TIMED	TIMED			

## 2.3 Aspect





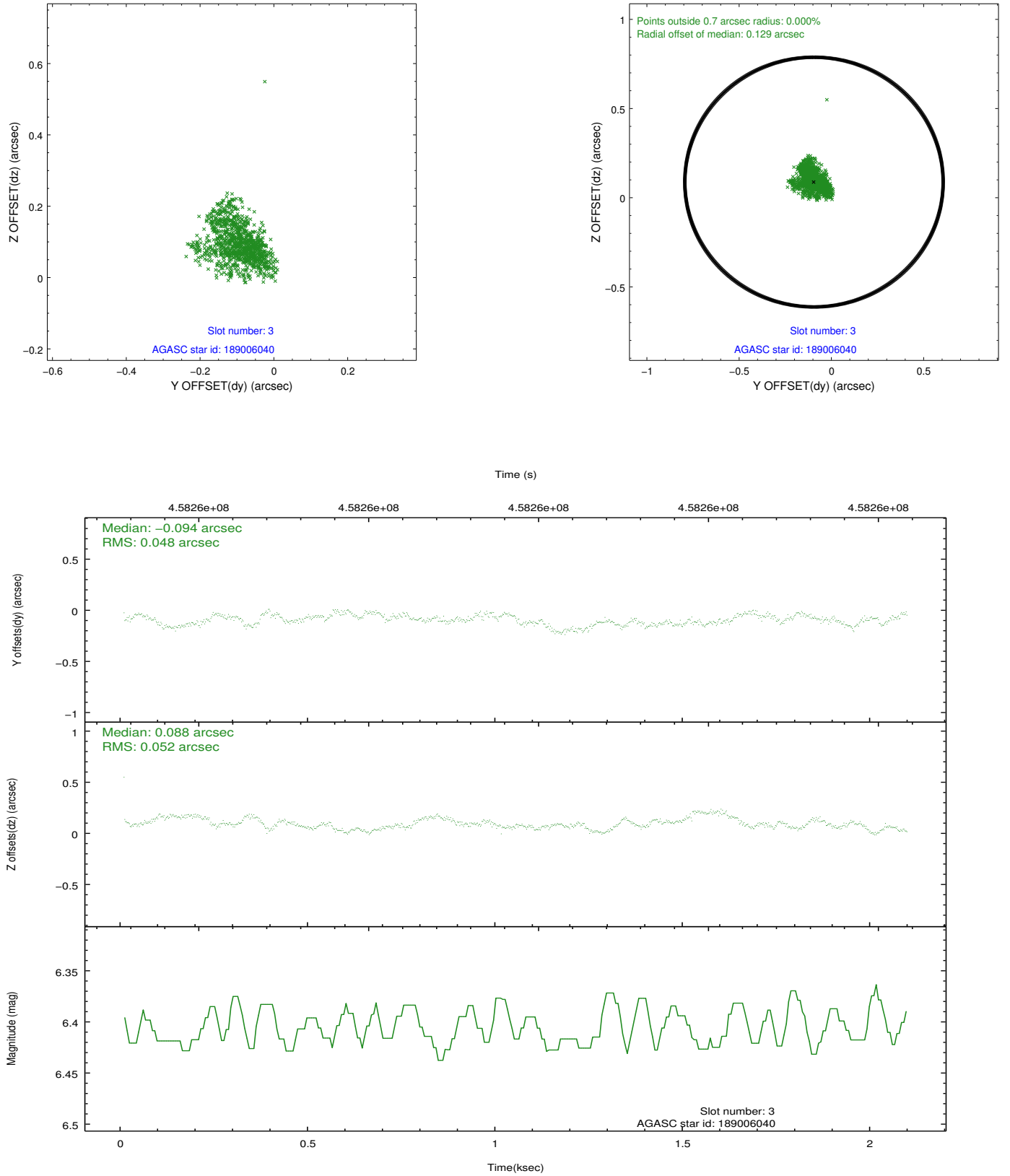
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	510	-0.081	-0.046	0.006	0.011	0.000000	0.000000	-769.89	-1739.39
1	FID	ACIS-S-4	7.00	509	0.195	0.052	0.006	0.011	0.000000	0.000000	2142.26	165.87
2	FID	ACIS-S-5	7.03	510	-0.145	0.003	0.006	0.011	0.000000	0.000000	-1818.76	163.14
3	GUIDE	189006040	6.41	1020	-0.094	0.088	0.076	0.120	182.303888	17.186093	2115.91	-439.01
4	GUIDE	189018816	9.97	1020	-0.082	0.133	0.171	0.287	183.208598	17.355206	600.96	2343.03
5	GUIDE	189019936	9.89	1008	0.191	-0.133	0.199	0.323	181.869413	17.395583	1841.03	-2087.75
6	GUIDE	189024496	10.22	1012	0.113	-0.162	0.232	0.354	182.799766	17.313237	1169.57	1047.53
7	GUIDE	189008376	8.75	1019	-0.125	0.073	0.099	0.161	181.881138	17.731469	674.55	-2408.34

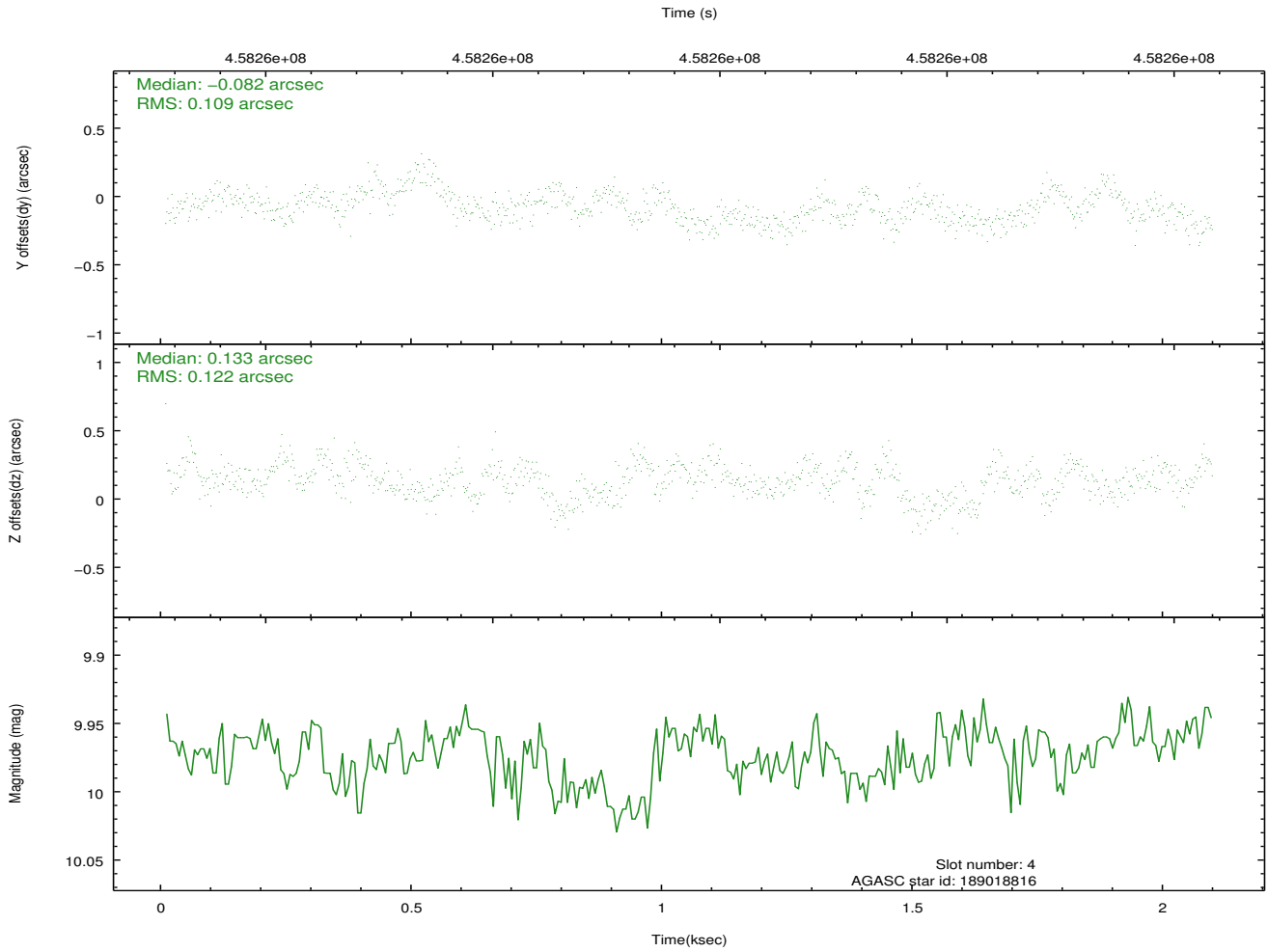
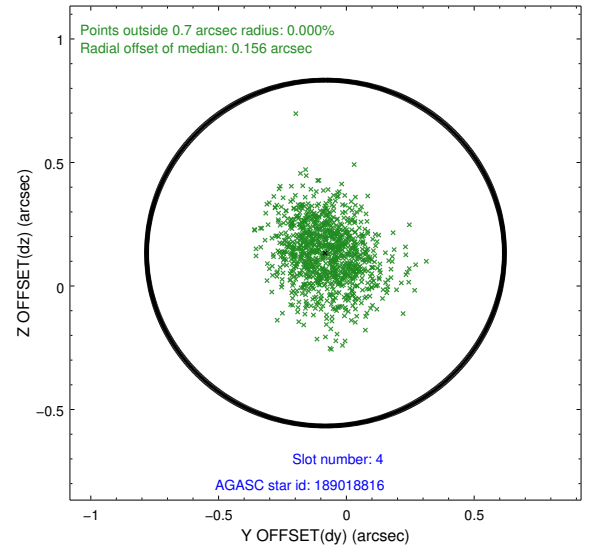
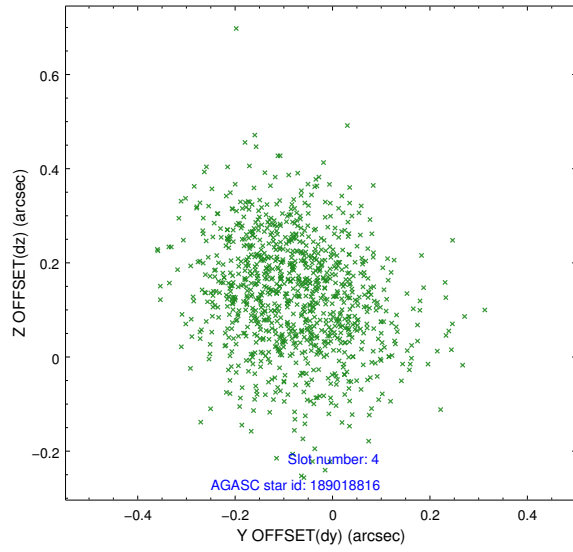


## 2.4 Star Slots

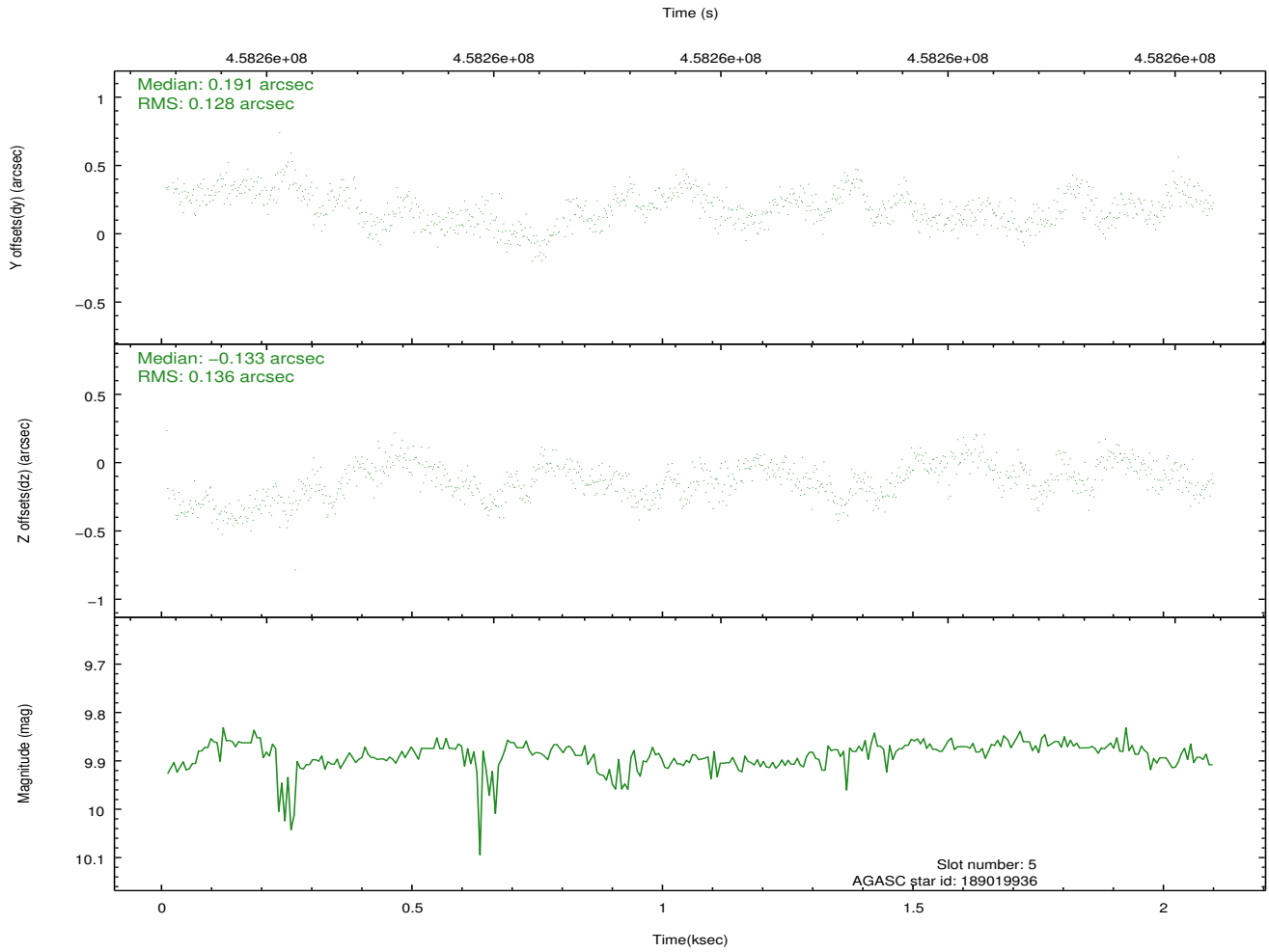
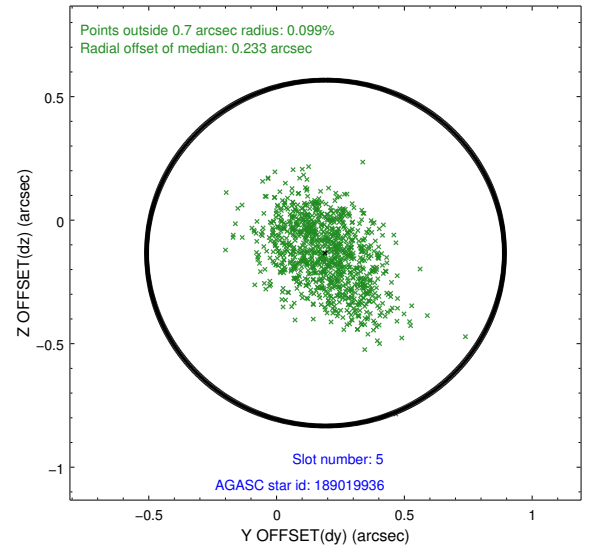
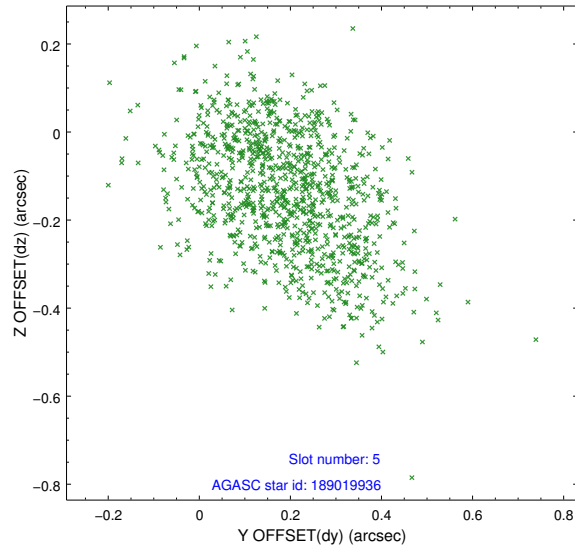
### 2.4.1 Slot 3



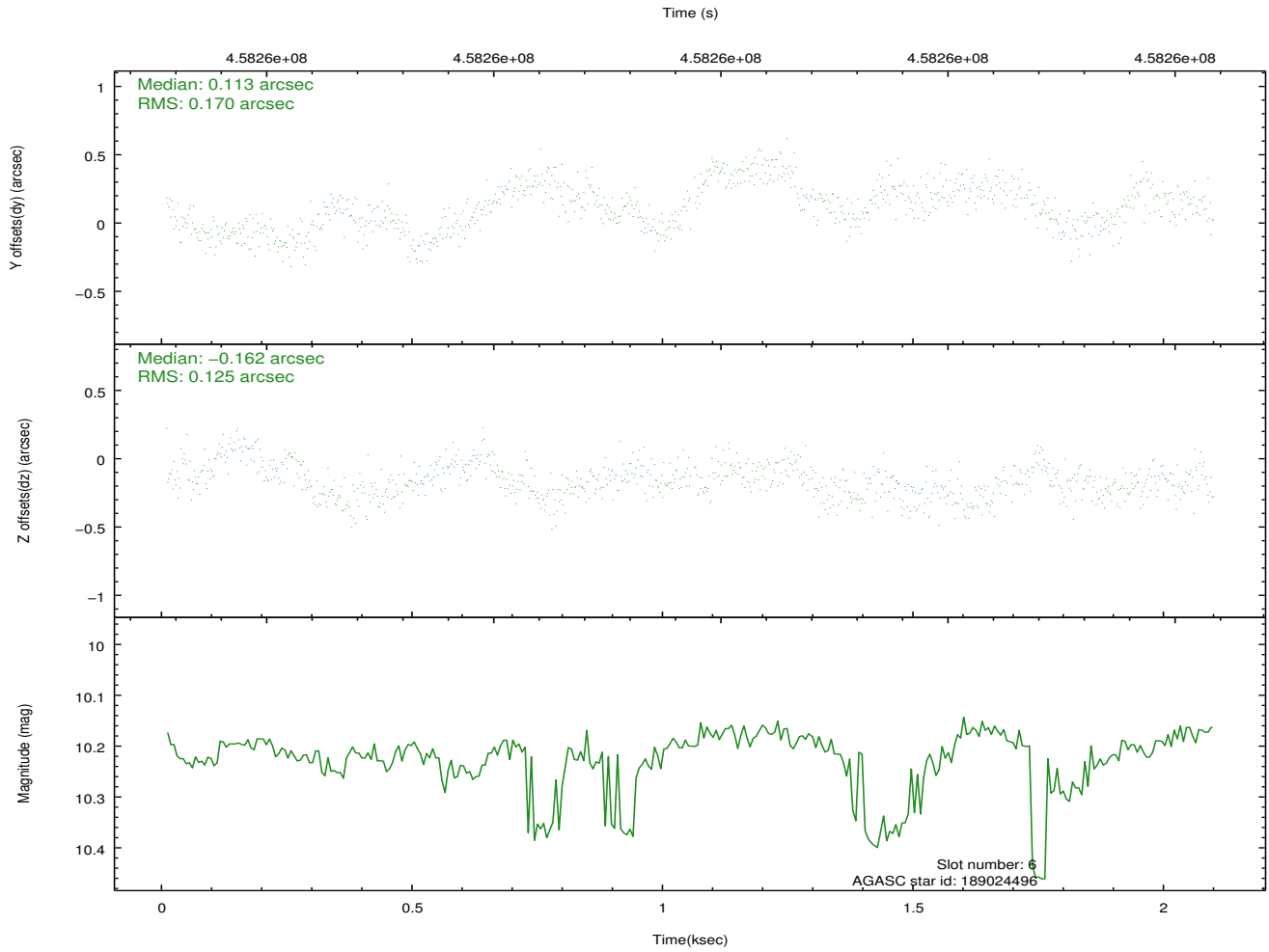
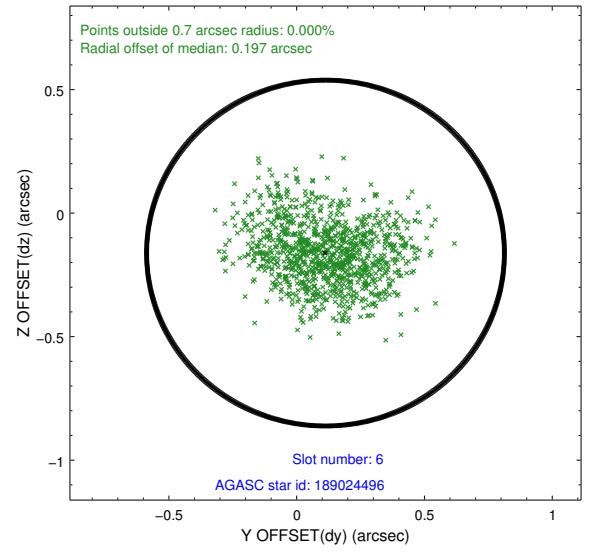
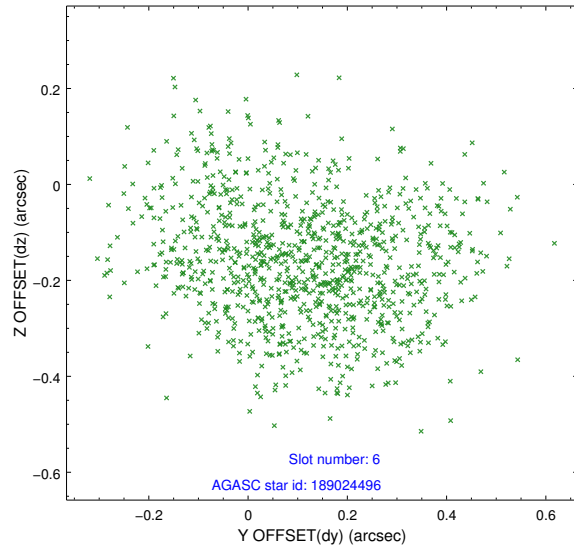
## 2.4.2 Slot 4



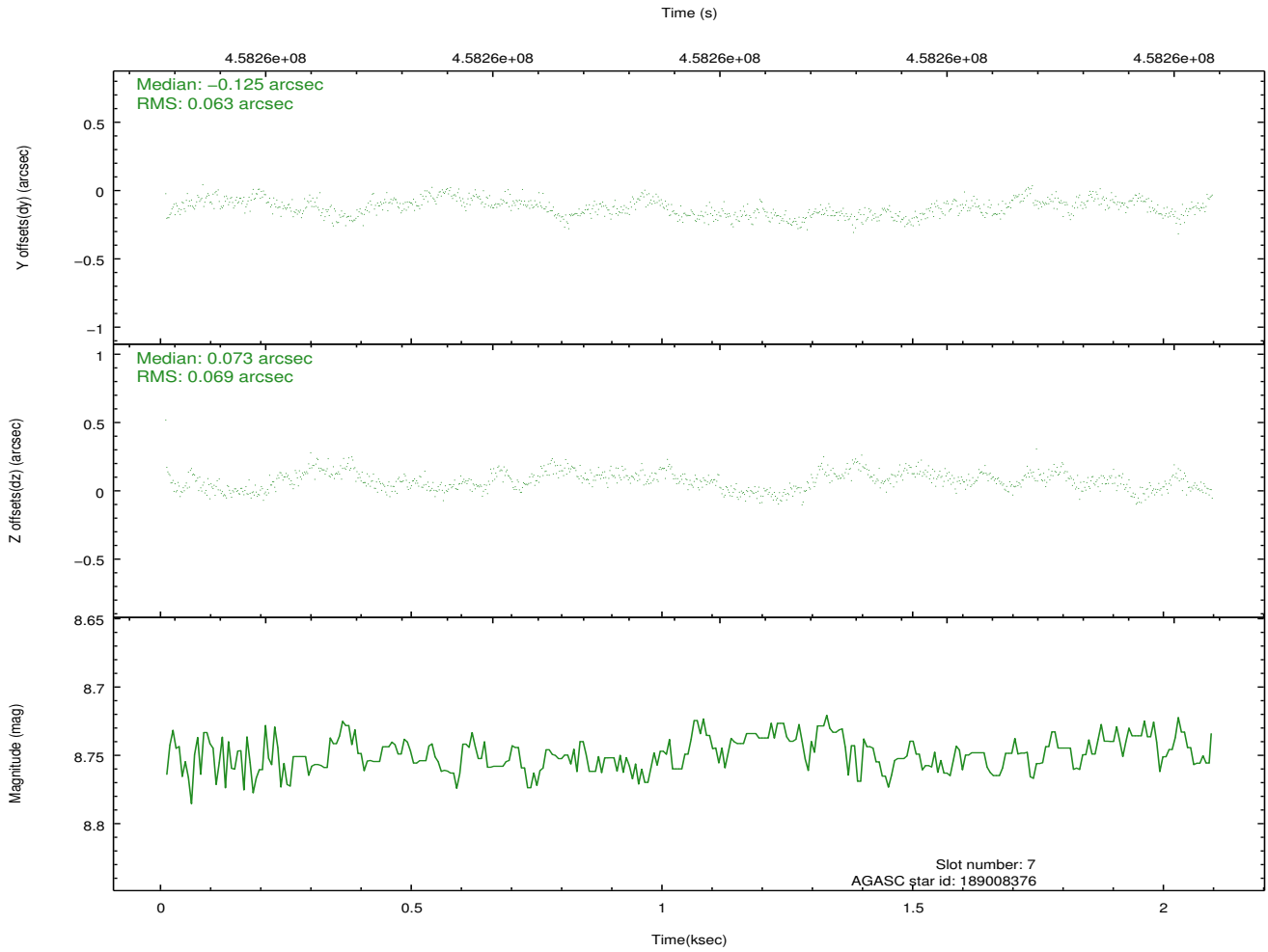
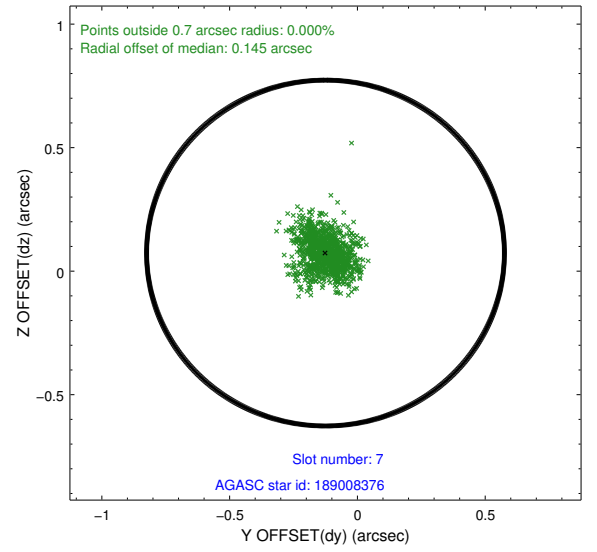
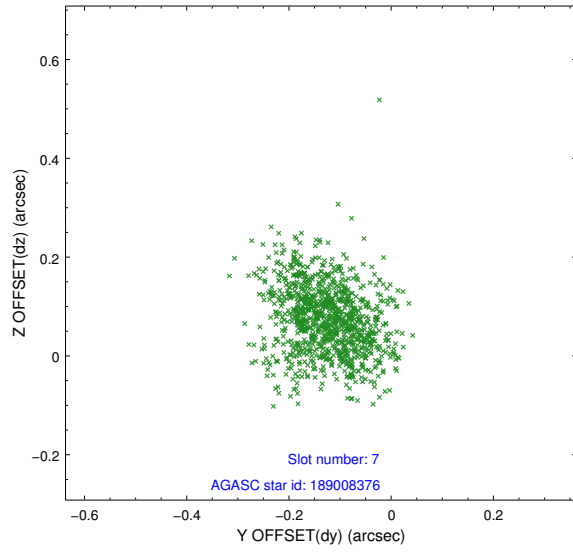
### 2.4.3 Slot 5



## 2.4.4 Slot 6

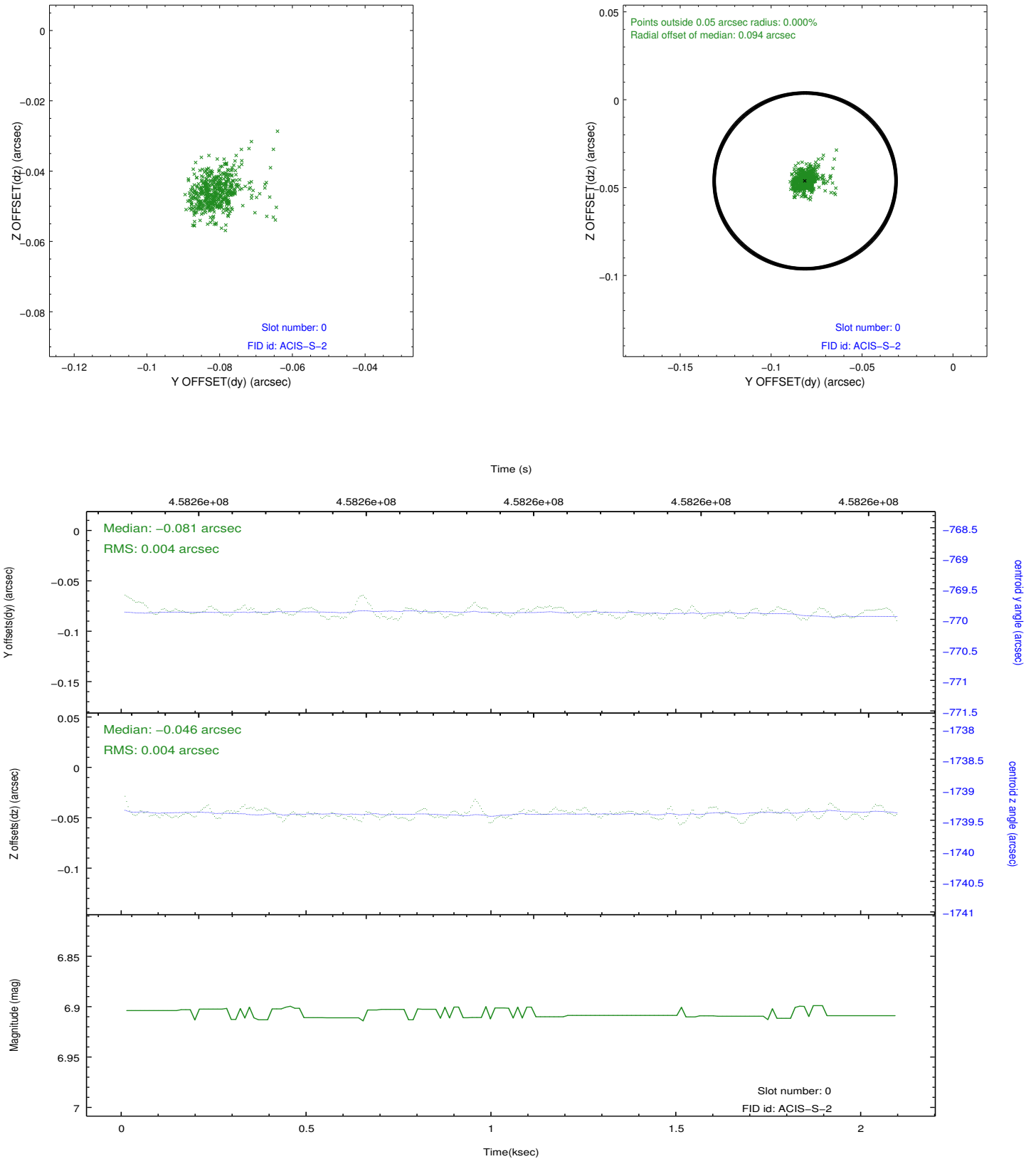


## 2.4.5 Slot 7

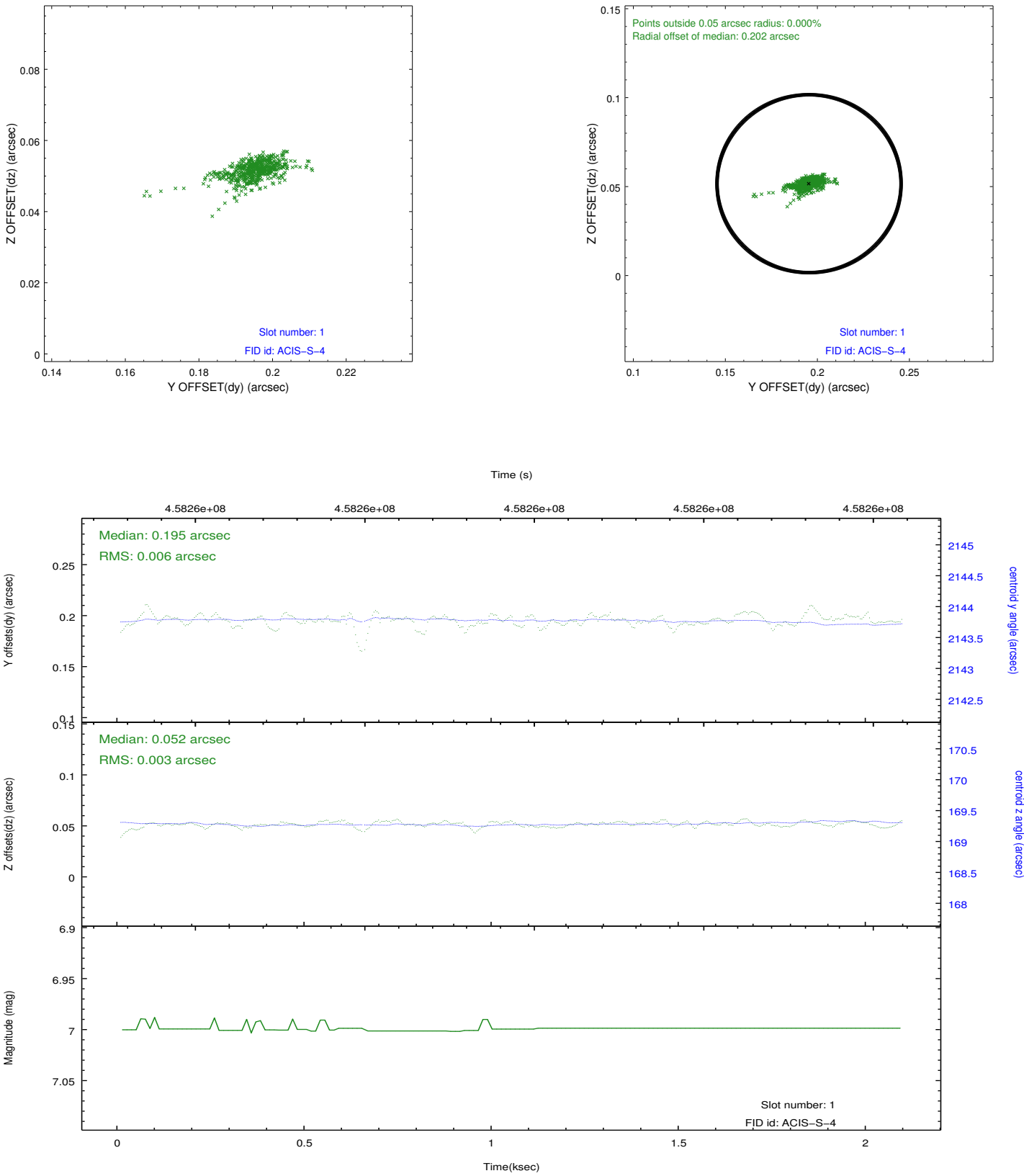


## 2.5 FID Slots

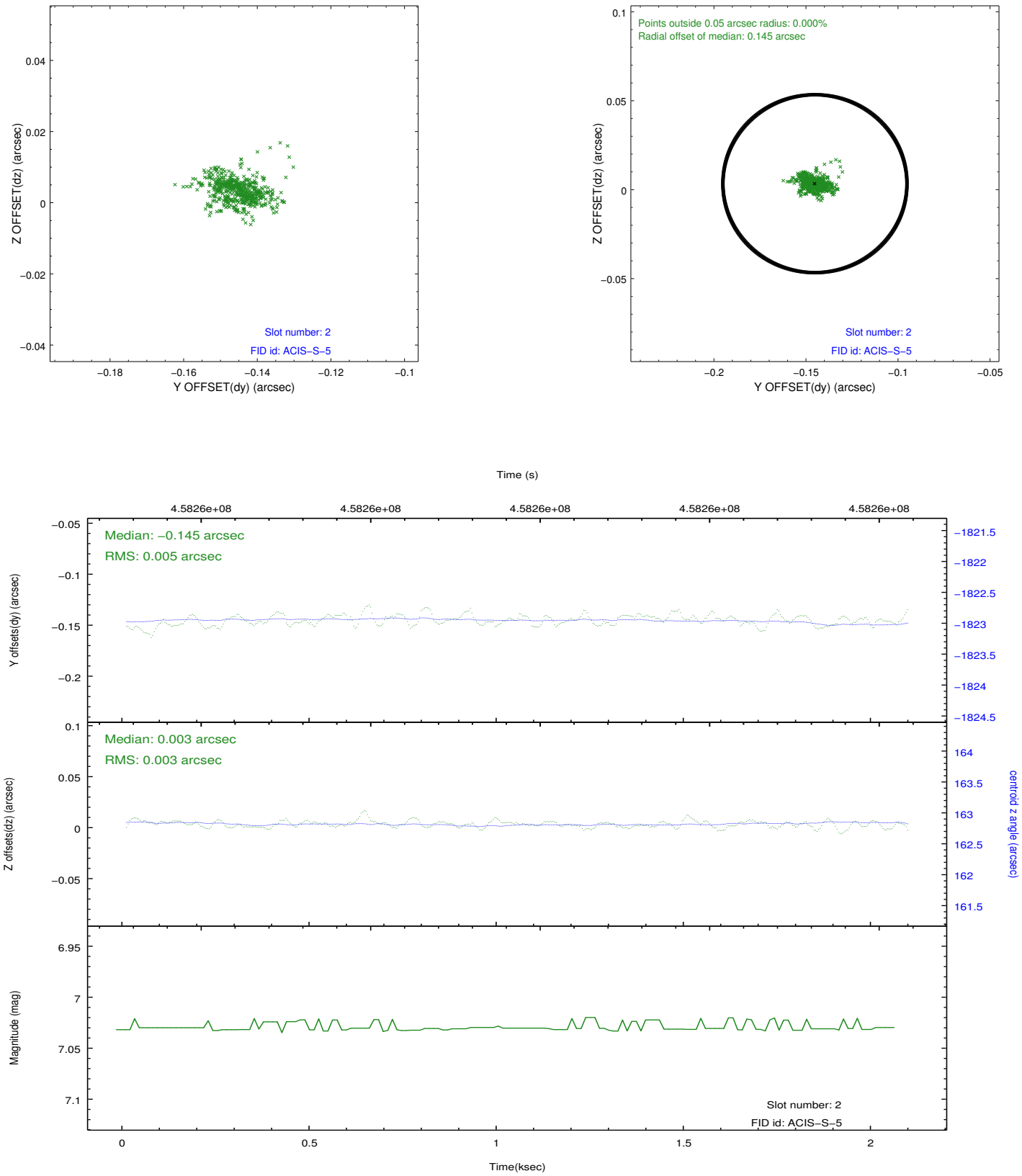
### 2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.577037584424

### **A.2 Comments**