

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 666 - L2 Version 5  
Chandra X-Ray Center

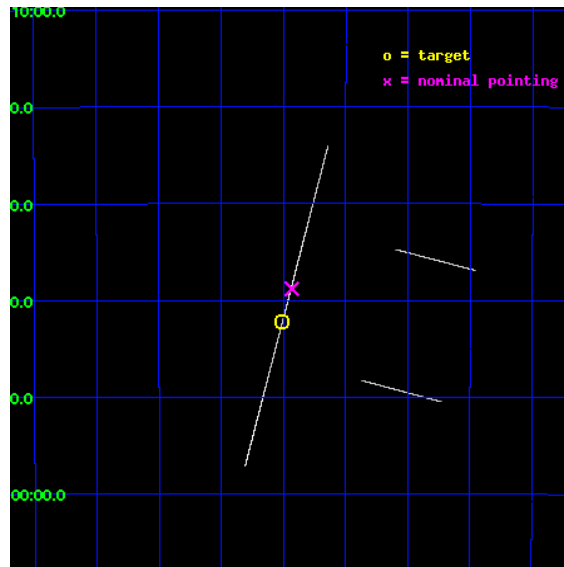
L2 Processing Date : Aug 30 2012

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# 1 Front

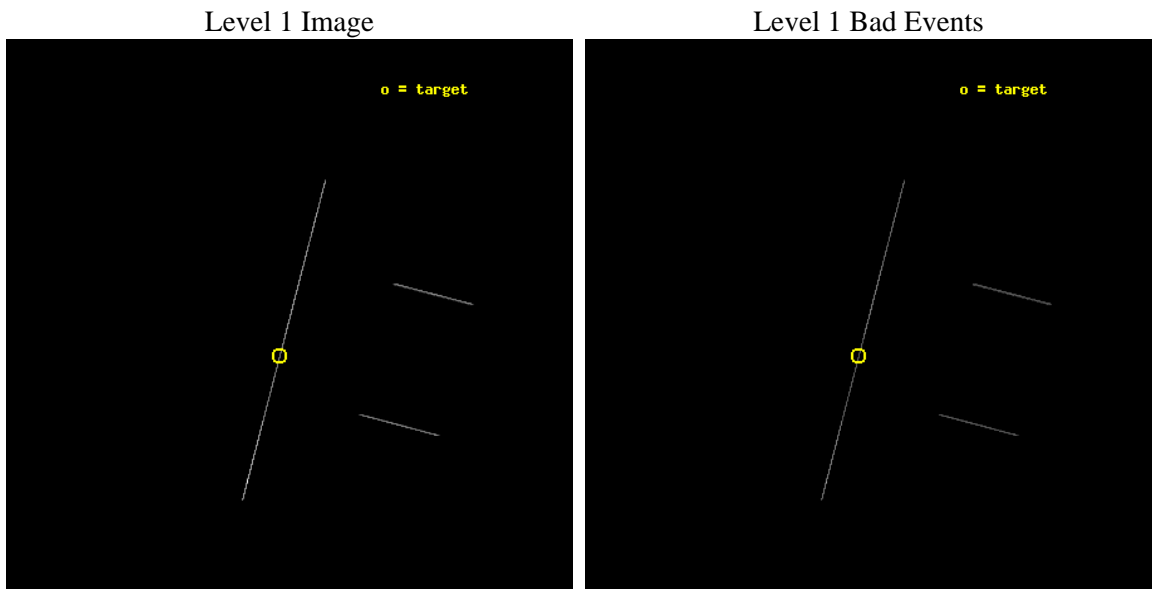
seq_num	400033	Sequence number
obs_id	666	Observation id
title	THE FAINTEST 'FIELD' LOW-MASS X-RAY BINARIES	Proposal title
observer	PROF MICHIEL VAN DER KLIS	Principal investigator
object	1736-297	Source name
ra_targ	264.876667	Observer's specified target RA [deg]
dec_targ	-29.703083	Observer's specified target Dec [deg]
ra_nom	264.85784549187	Nominal RA [deg]
dec_nom	-29.646984600947	Nominal Dec [deg]
roll_nom	284.65392465921	Nominal Roll [deg]
revision	5	Processing version of data
ontime	12171.75	Sum of GTIs [s]
livetime	12124.204101562	Livetime [s]
ontime2	12171.75	Sum of GTIs [s]
ontime3	12171.75	Sum of GTIs [s]
ontime5	12171.75	Sum of GTIs [s]
ontime6	12171.75	Sum of GTIs [s]
ontime7	12171.75	Sum of GTIs [s]
ontime8	12171.75	Sum of GTIs [s]
l2events	97425	Number of level 2 events



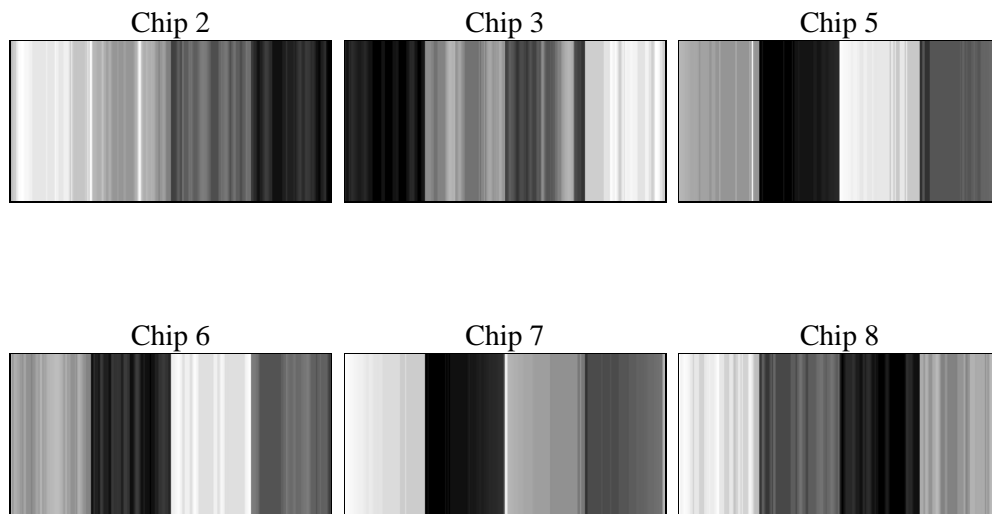
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11870.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12171.75	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime2	12171.75	Sum of GTIs [s]
date	2012-08-30T03:54:55	Date and time of file creation	ontime3	12171.75	Sum of GTIs [s]
revision	5	Processing version of data	ontime5	12171.75	Sum of GTIs [s]
			ontime6	12171.75	Sum of GTIs [s]
			ontime7	12171.75	Sum of GTIs [s]
			ontime8	12171.75	Sum of GTIs [s]
			l1events	186360	Number of level 1 events

### 2.1.4 Events

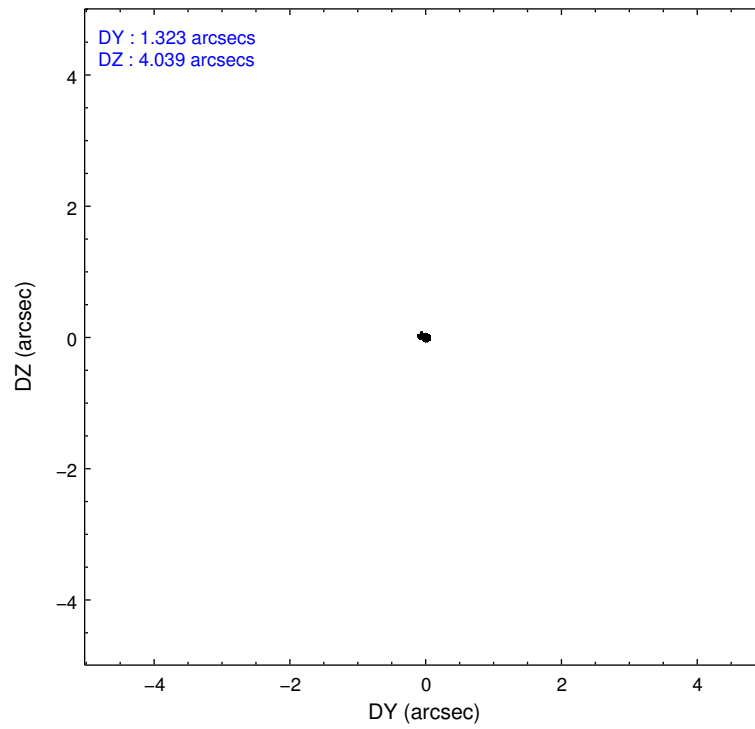
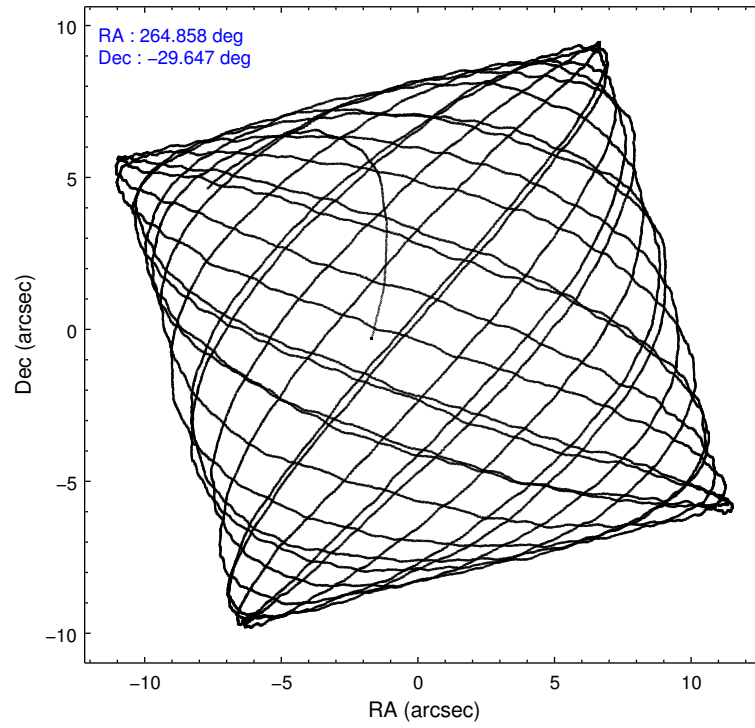
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	12966	13646	83113	13815	33613	29207
rejected events	2343	2438	8445	2626	7227	4265
rejected %	18%	17%	10%	19%	21%	14%

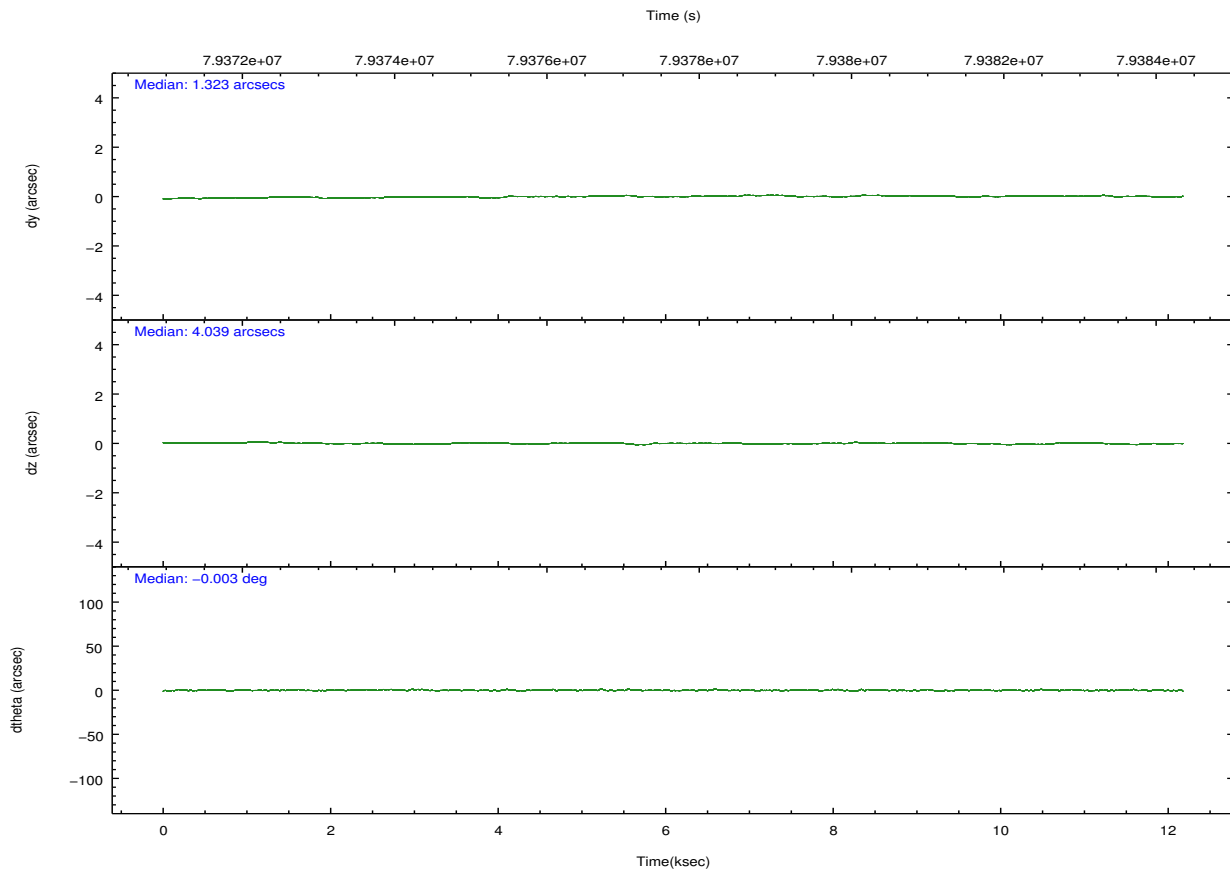
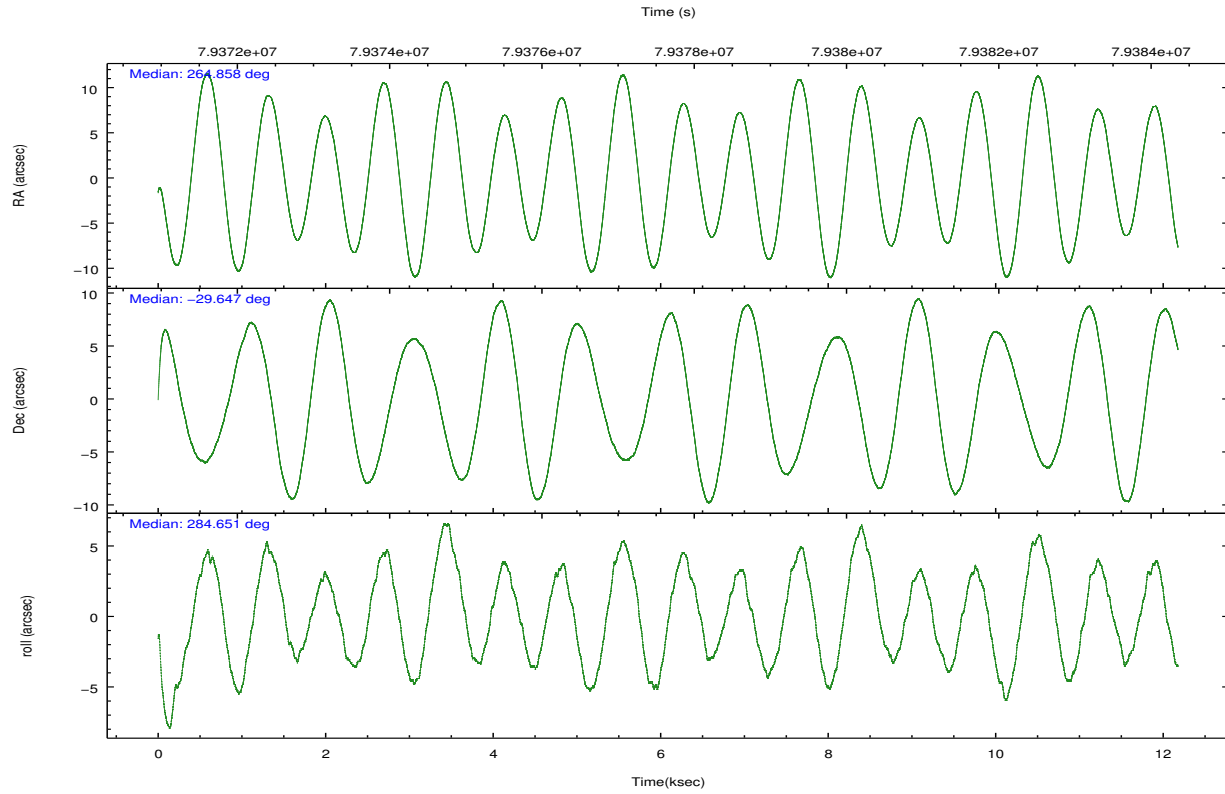
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1373	1499	35165	1368	3289	4905
	10%	10%	42%	9%	9%	16%
grade 1 events	40	40	110	41	108	100
	0%	0%	0%	0%	0%	0%
grade 2 events	3748	3702	19710	4015	7399	7356
	28%	27%	23%	29%	22%	25%
grade 3 events	2258	2686	1451	2309	2466	3700
	17%	19%	1%	16%	7%	12%
grade 4 events	2353	2184	1493	2239	2502	3794
	18%	16%	1%	16%	7%	12%
grade 5 events	1587	1801	4920	1908	5402	2856
	12%	13%	5%	13%	16%	9%
grade 6 events	1607	1734	20264	1935	12447	6496
	12%	12%	24%	14%	37%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.835581	264.857845491871	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.627617	-29.64698460094688	Alternating exposures requested	N	N
[deg] Pointing Roll	284.486277	284.6539246592056	[s] Primary exposure time	0.000000	0
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-182.132523	-182.1370004450064			
[mm] SIM translation stage offset	-8	-7.995522138001405			
[s] Observation start time (MET)	79371874.184000	79370849.51090699			
Observation start date	2000-07-07T15:43:30	2000-07-07T15:27:29			
[s] Observation end time (MET)	79383744.184000	79383919.28638899			
Observation end date	2000-07-07T19:01:20	2000-07-07T19:05:19			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect



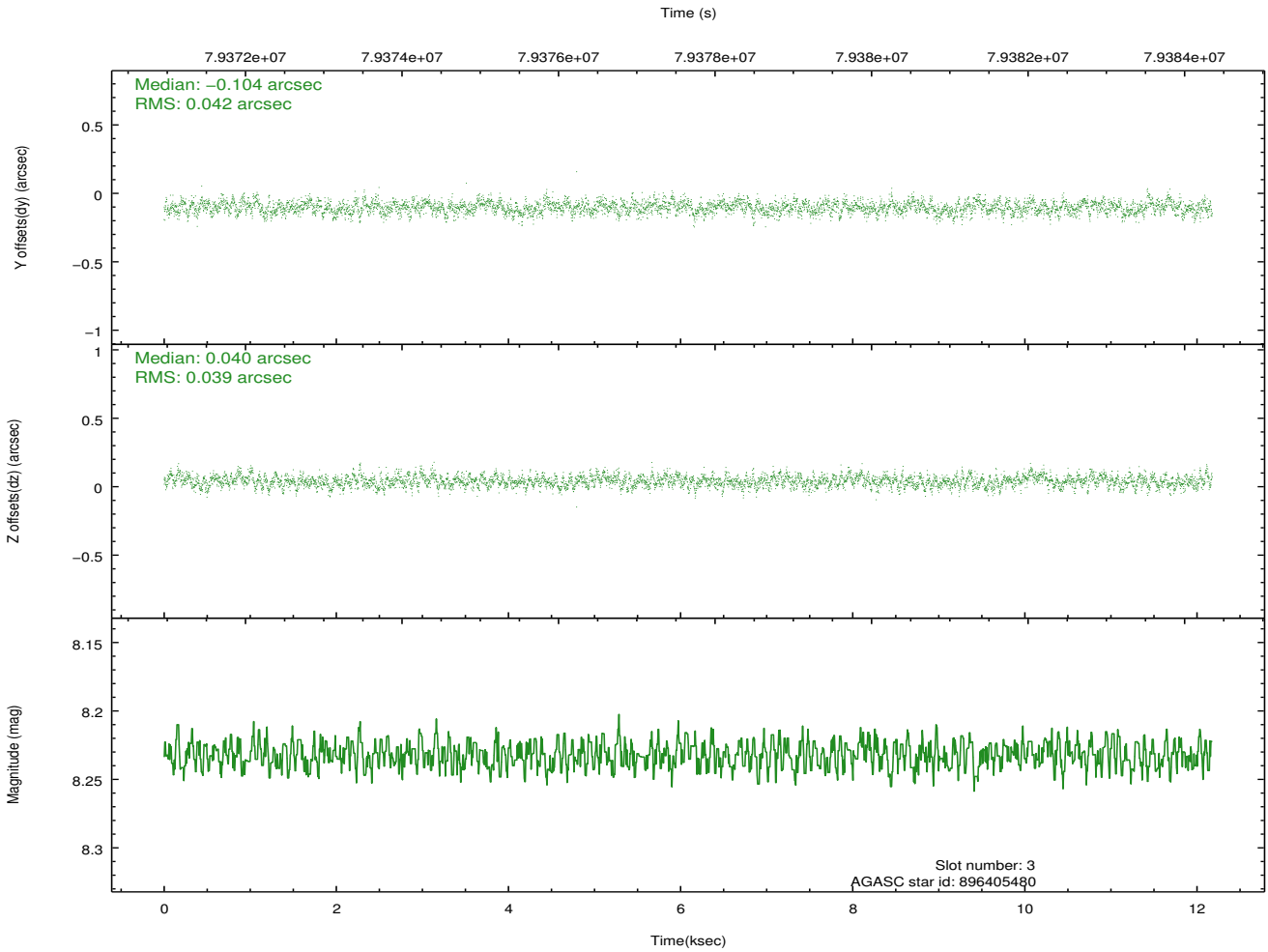
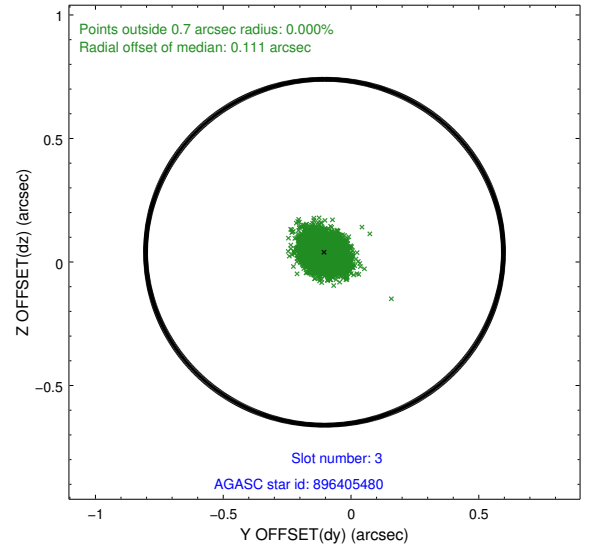
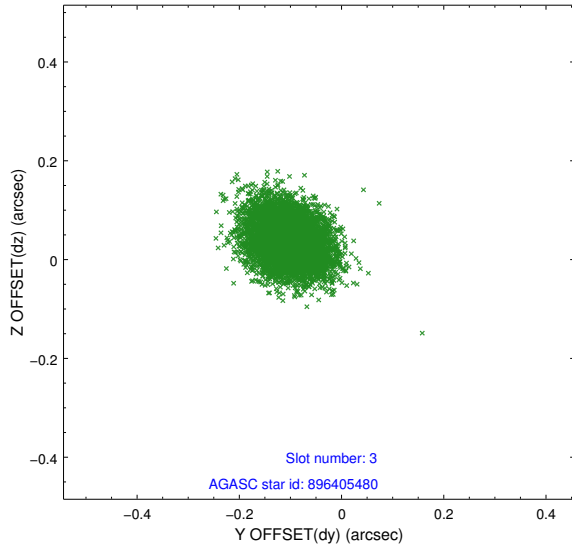


### Slot Statistics

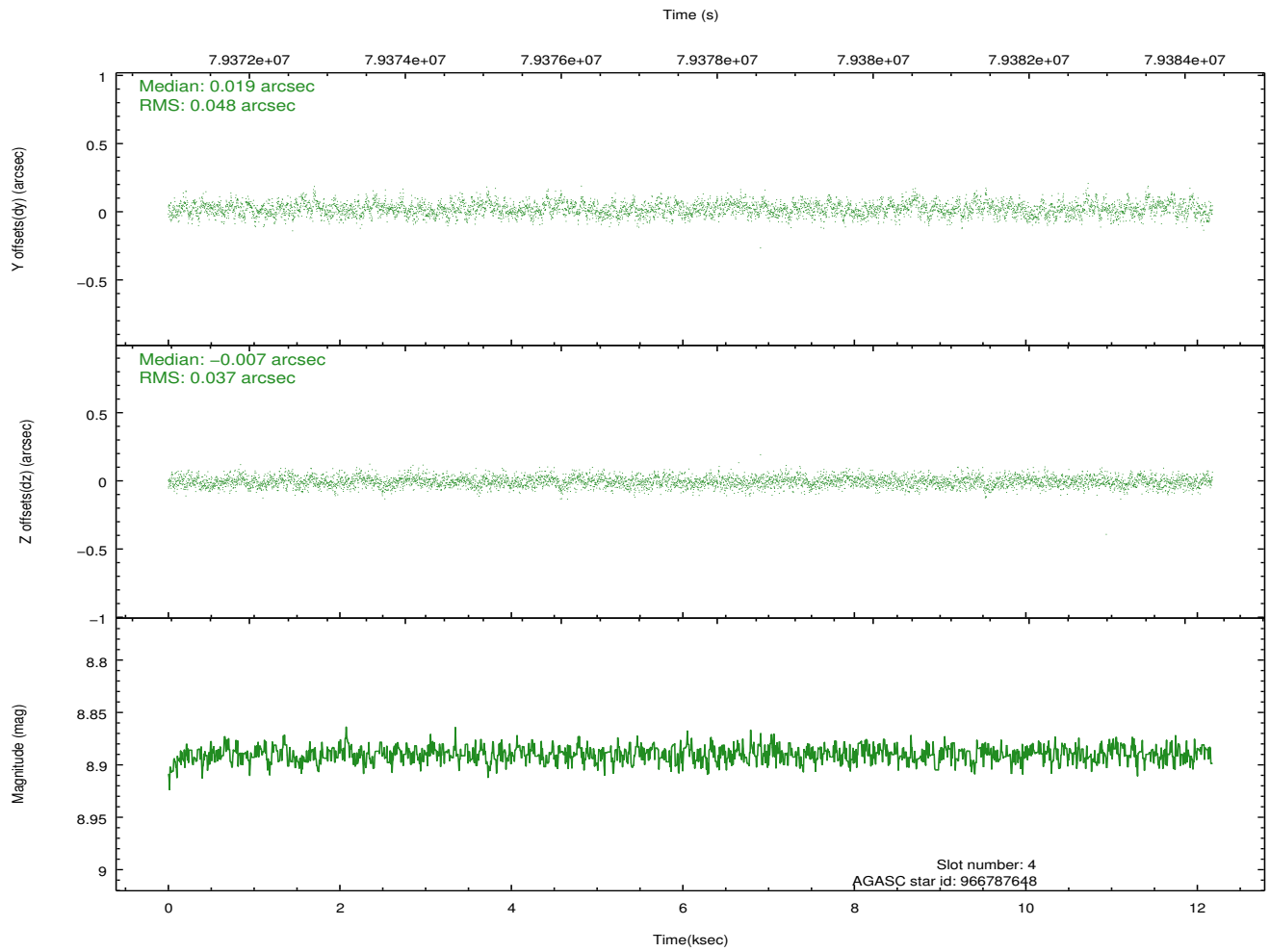
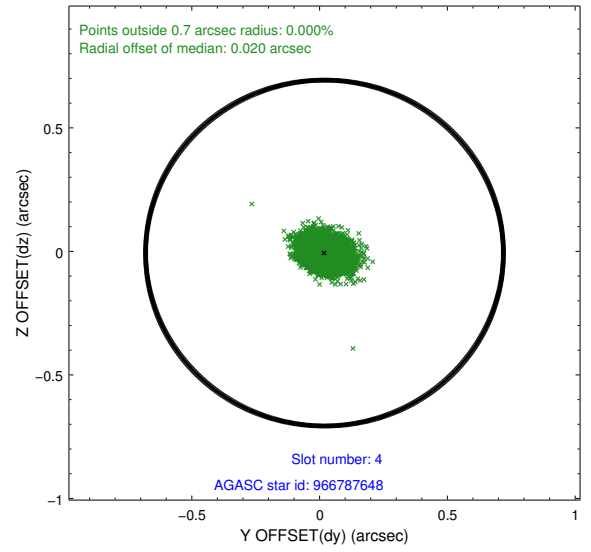
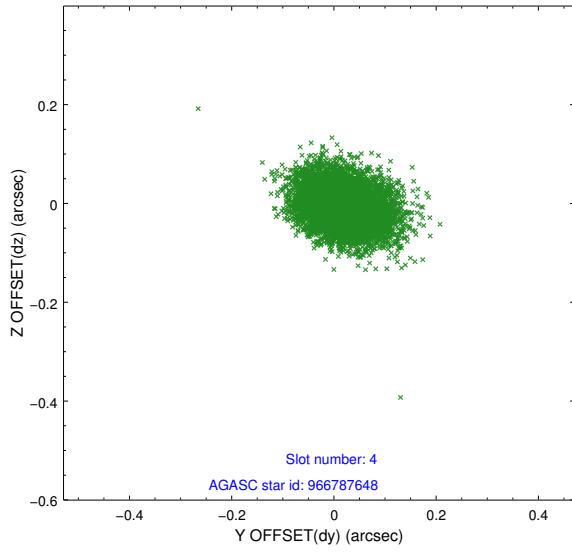
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2970	-0.055	-0.093	0.008	0.013	0.000000	0.000000	-753.43	-1889.91
1	FID	ACIS-S-4	7.18	2970	0.064	0.051	0.006	0.011	0.000000	0.000000	2159.82	18.17
2	FID	ACIS-S-5	7.22	2970	-0.040	0.050	0.010	0.015	0.000000	0.000000	-1805.70	12.39
3	GUIDE	896405480	8.23	5940	-0.104	0.040	0.060	0.099	265.220460	-29.599691	206.09	1191.70
4	GUIDE	966787648	8.89	5939	0.019	-0.007	0.064	0.106	265.297931	-30.077843	1932.68	989.26
5	GUIDE	966791280	8.81	5936	0.111	-0.046	0.073	0.120	264.697563	-30.131393	1649.46	-869.09
6	GUIDE	896402936	9.84	5937	-0.046	0.014	0.100	0.165	264.121083	-29.174763	-2133.04	-1768.12
7	GUIDE	896406696	9.61	5933	0.018	-0.003	0.094	0.154	264.874979	-29.343844	-958.23	375.47

## 2.4 Star Slots

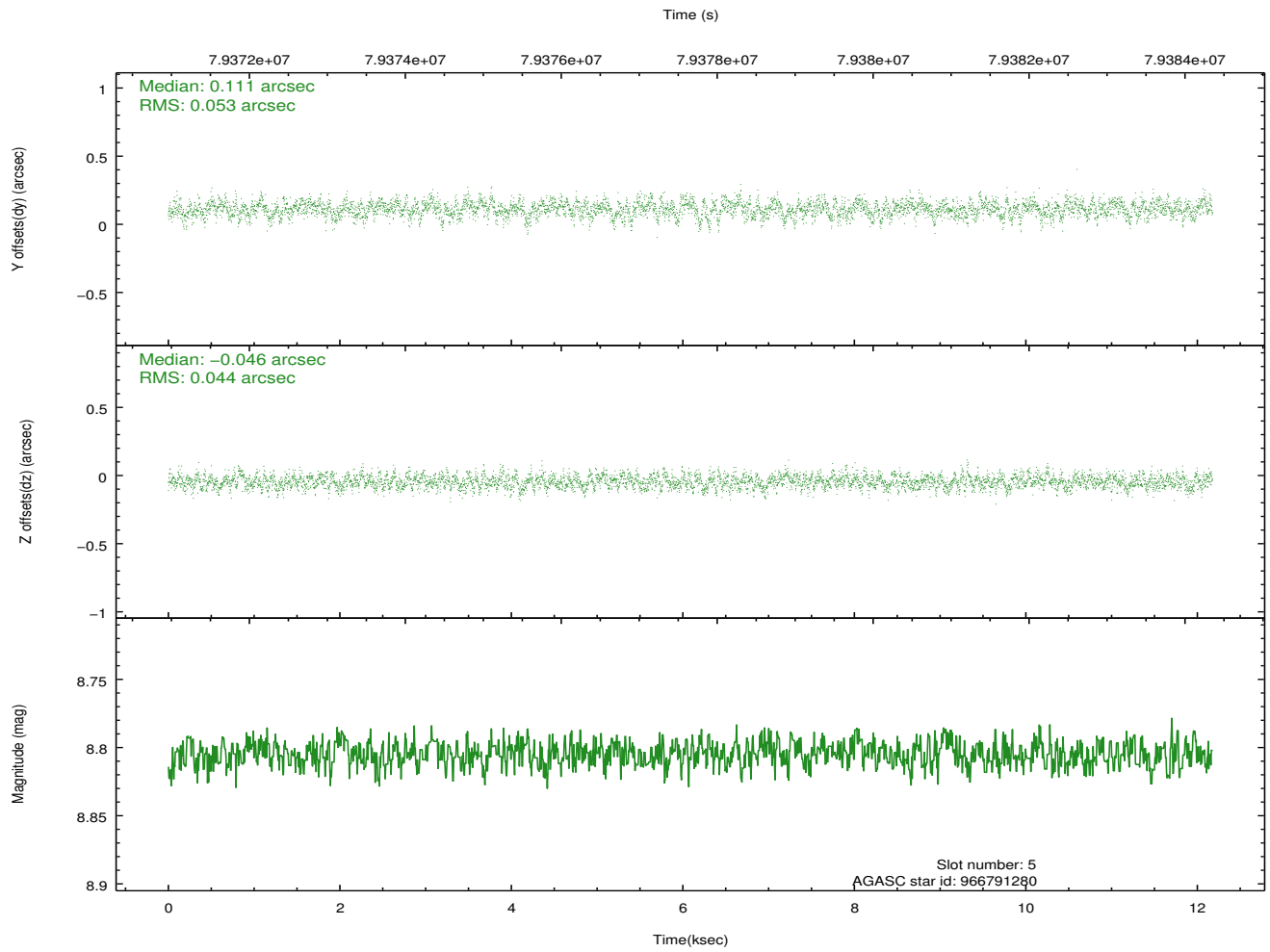
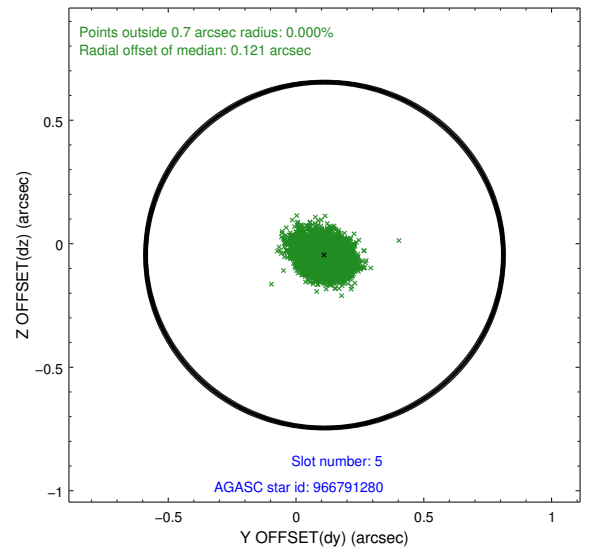
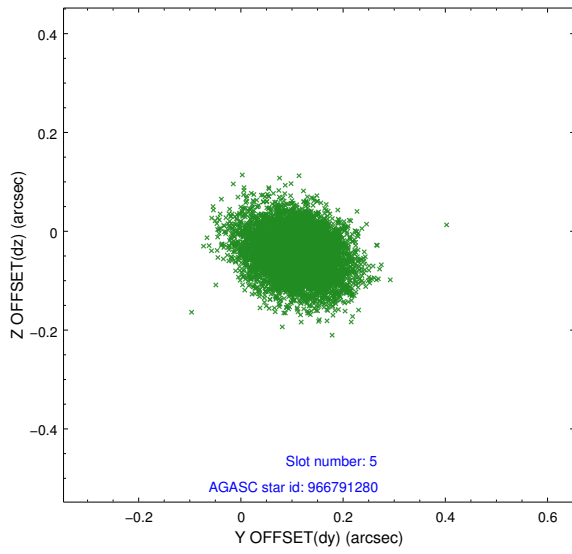
### 2.4.1 Slot 3



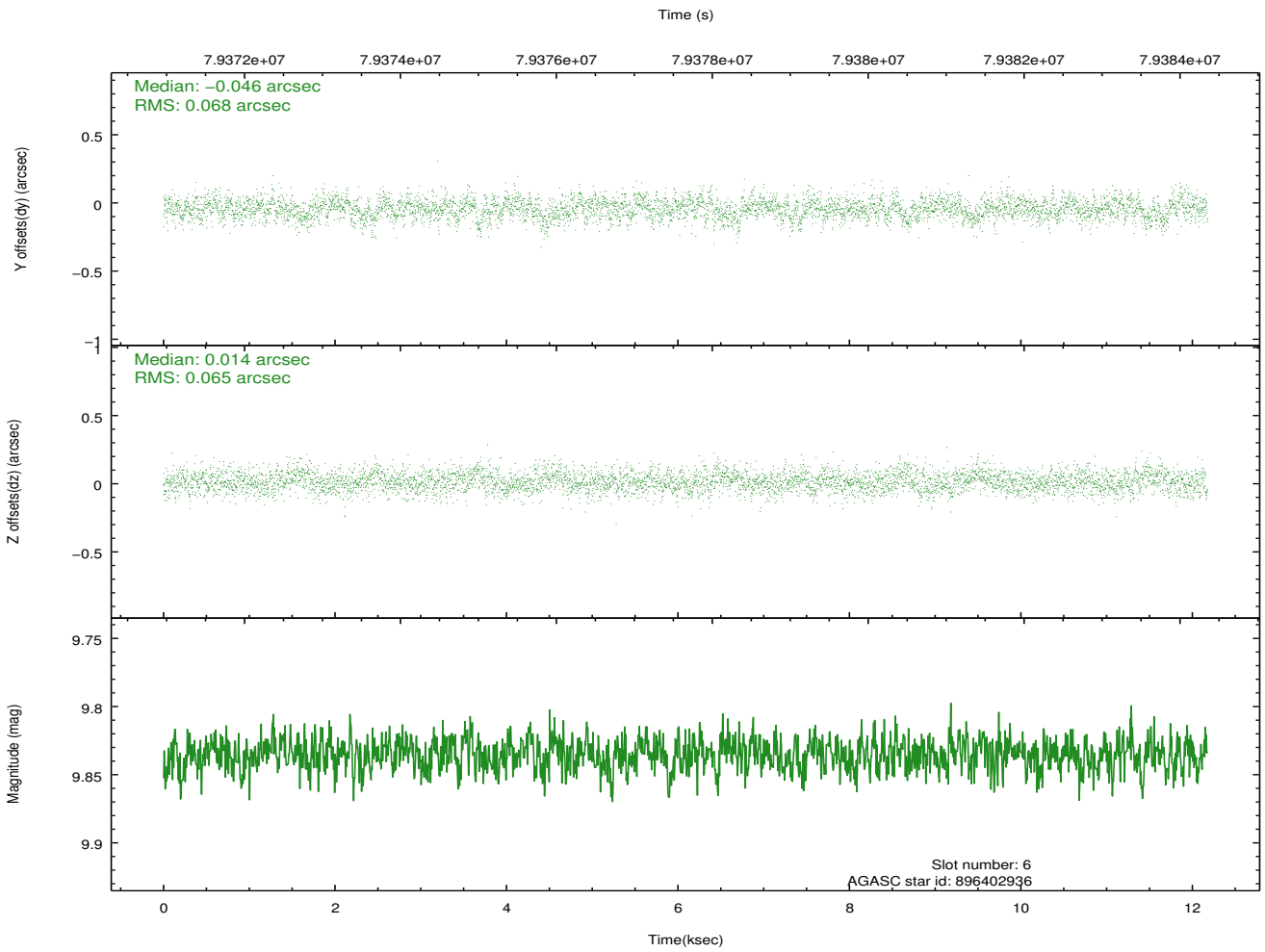
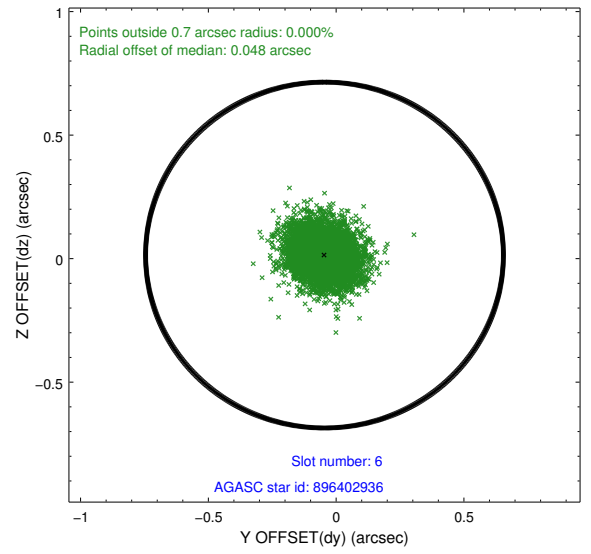
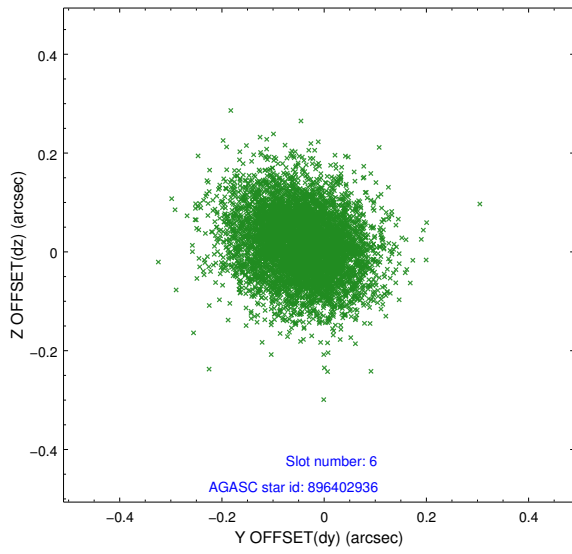
### 2.4.2 Slot 4



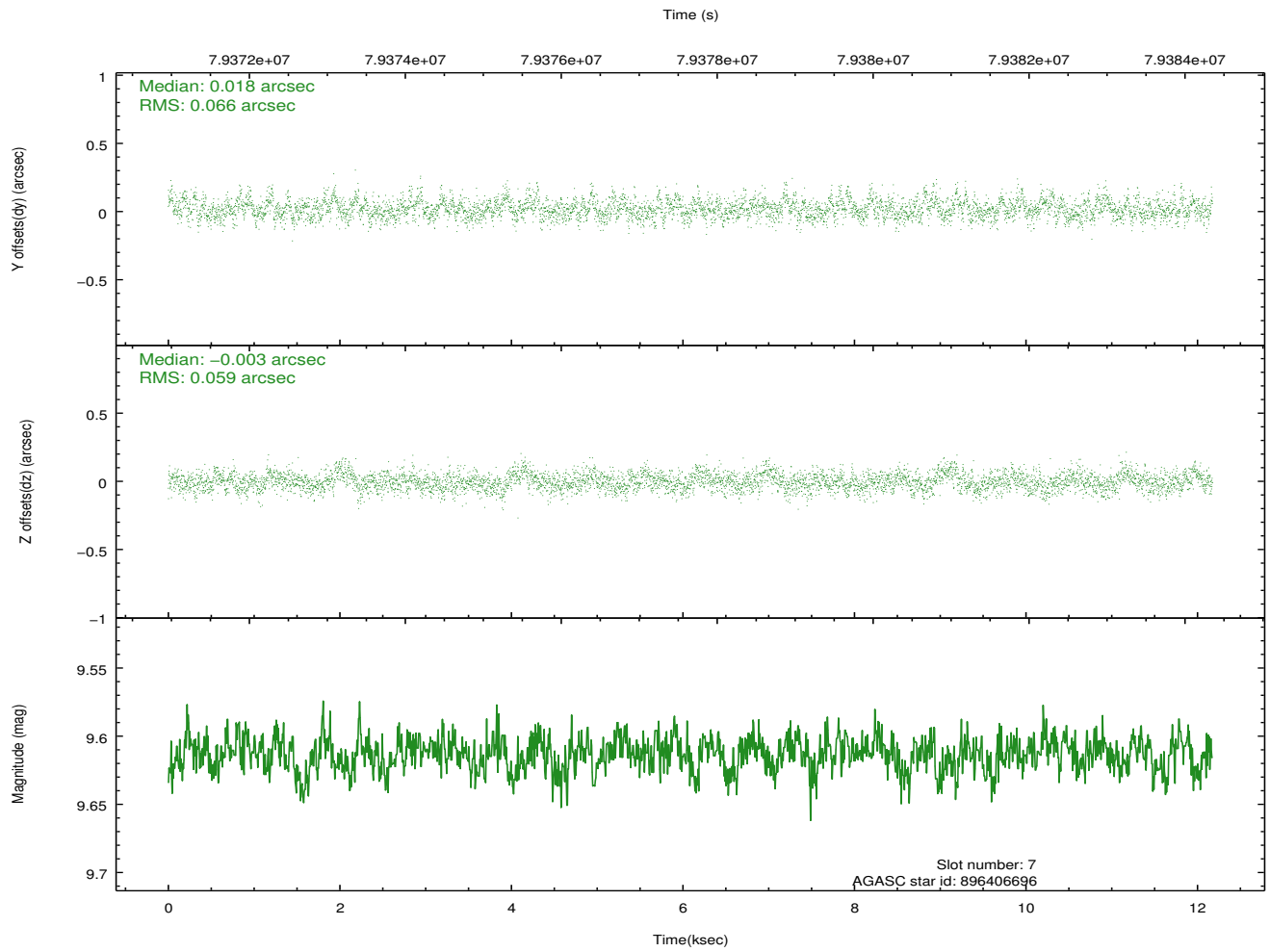
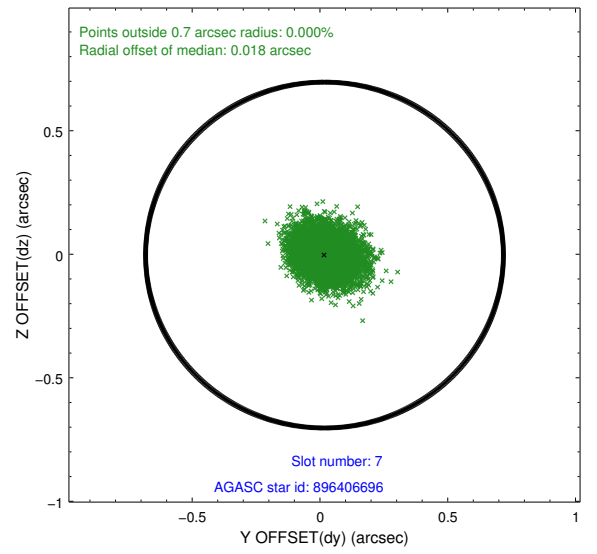
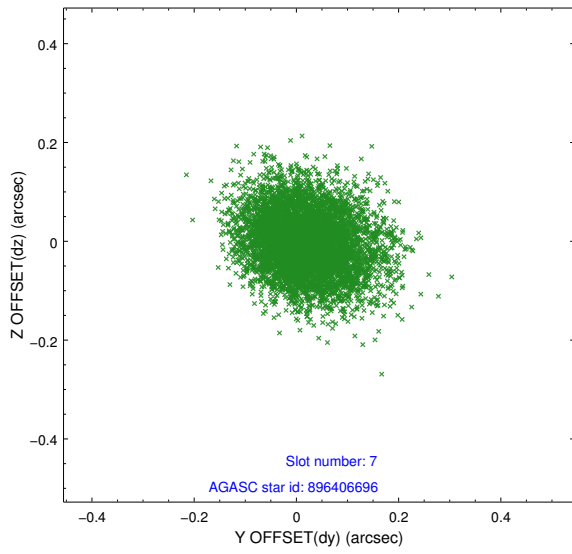
### 2.4.3 Slot 5



### 2.4.4 Slot 6

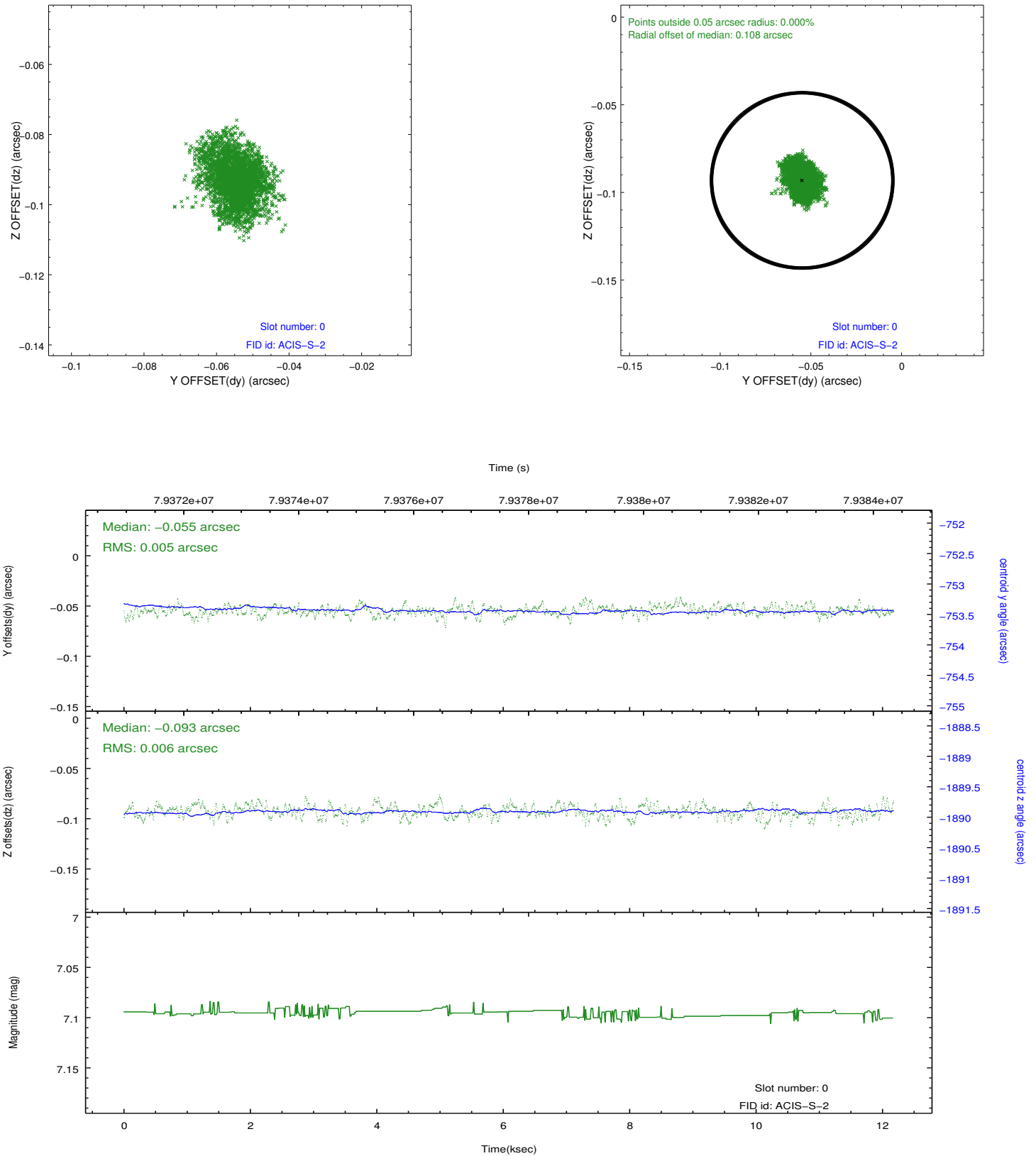


### 2.4.5 Slot 7

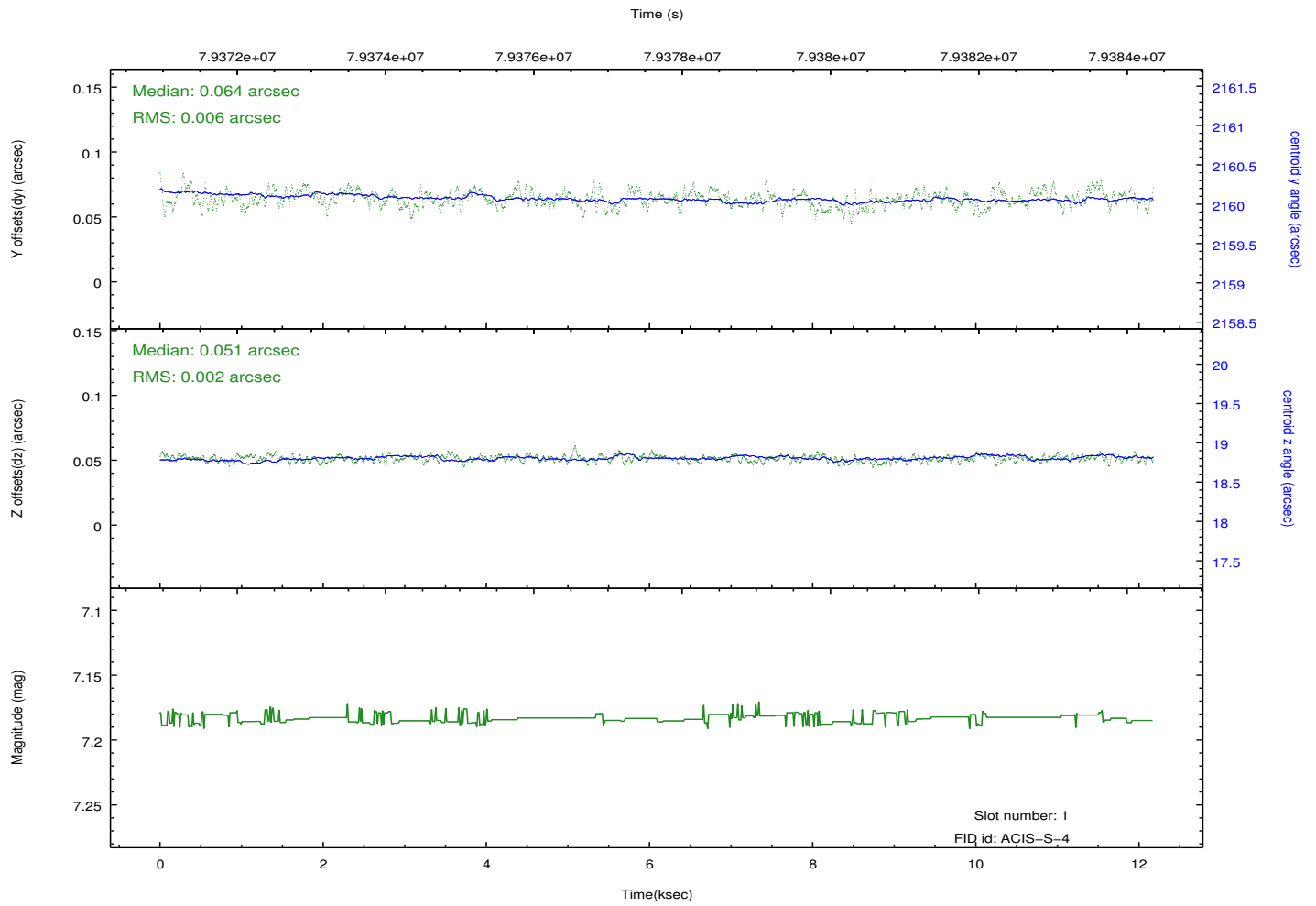
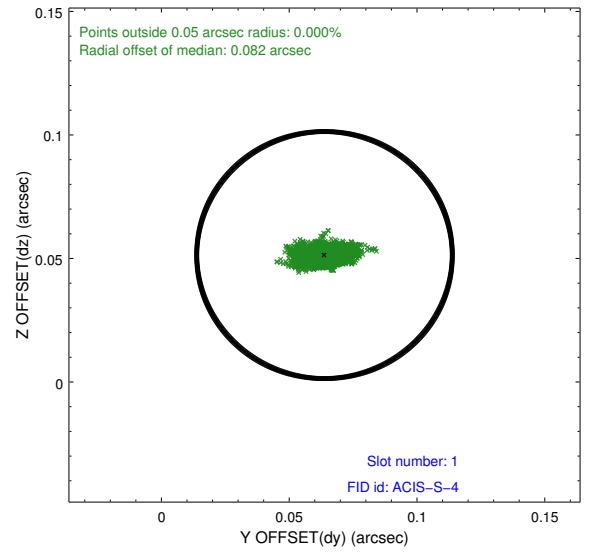
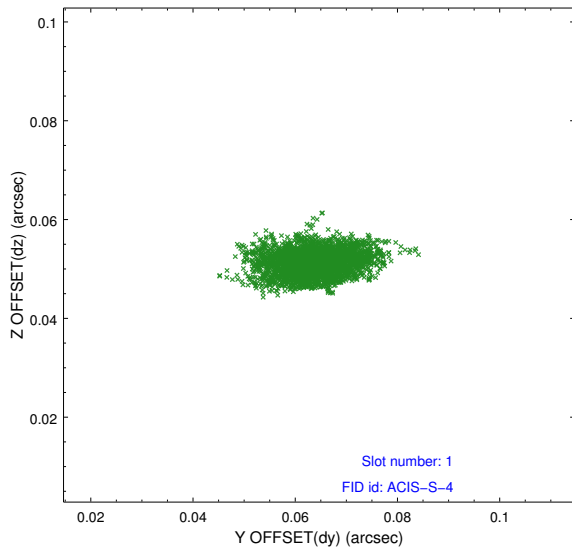


## 2.5 FID Slots

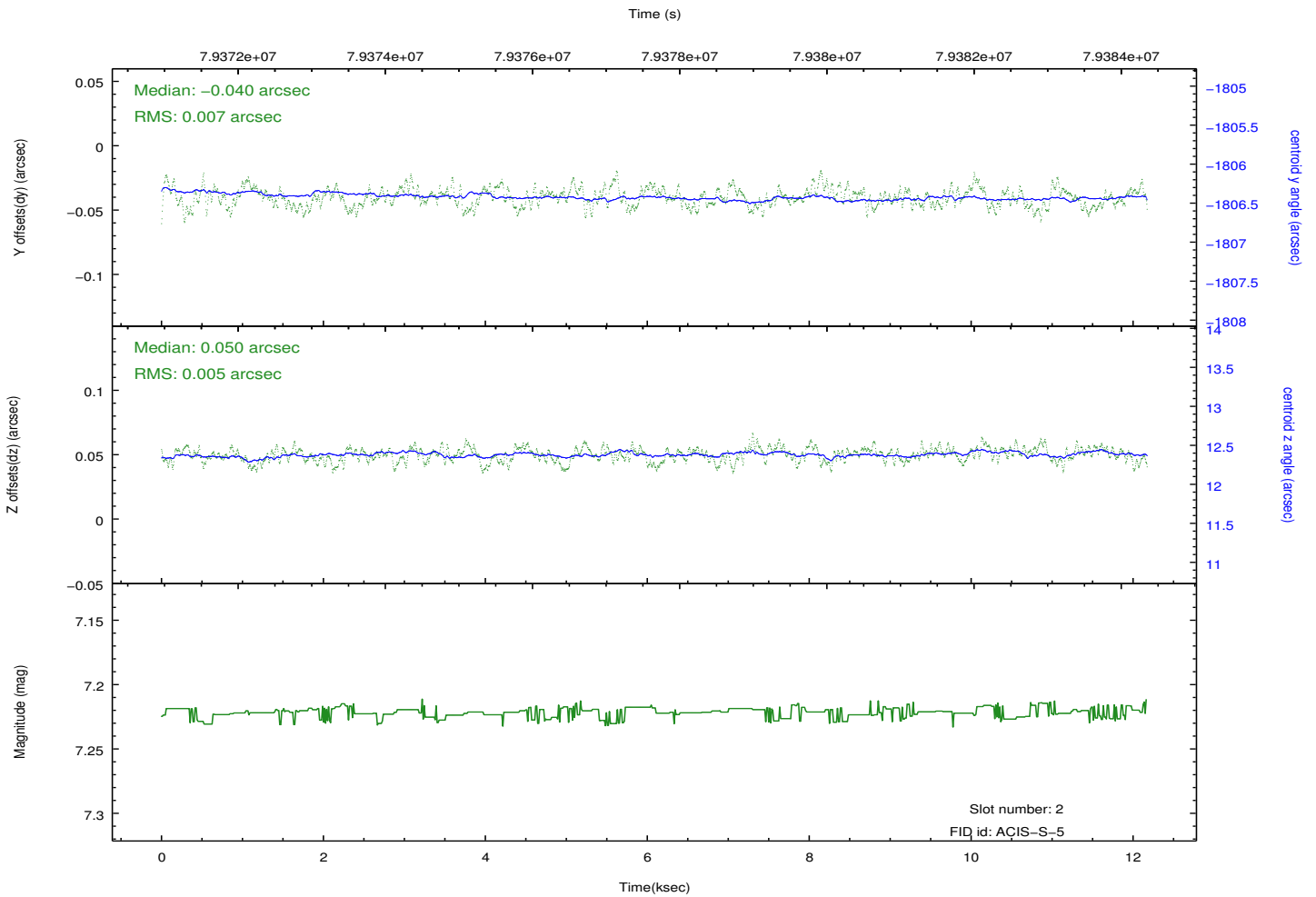
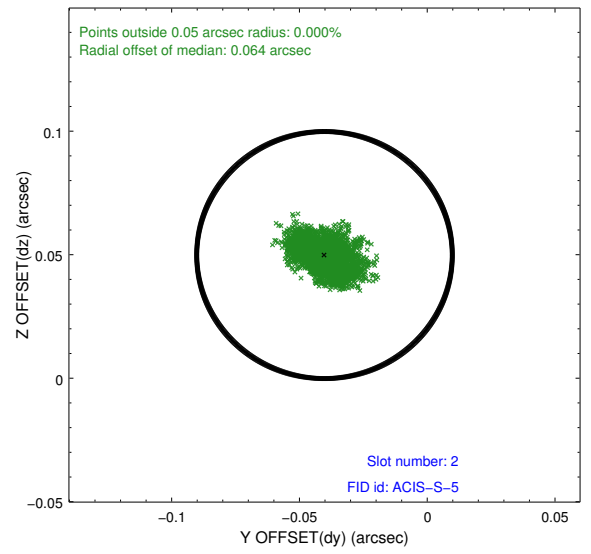
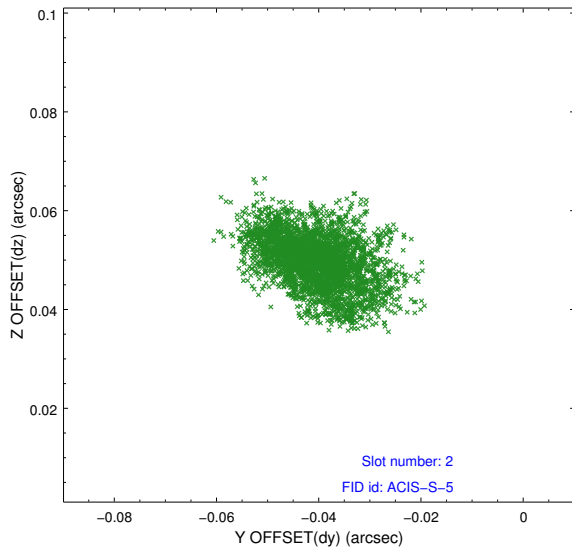
### 2.5.1 Slot 0



## 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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.174

## A.2 Comments

No source is apparent in this observation.