

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17399 - L2 Version 1
Chandra X-Ray Center

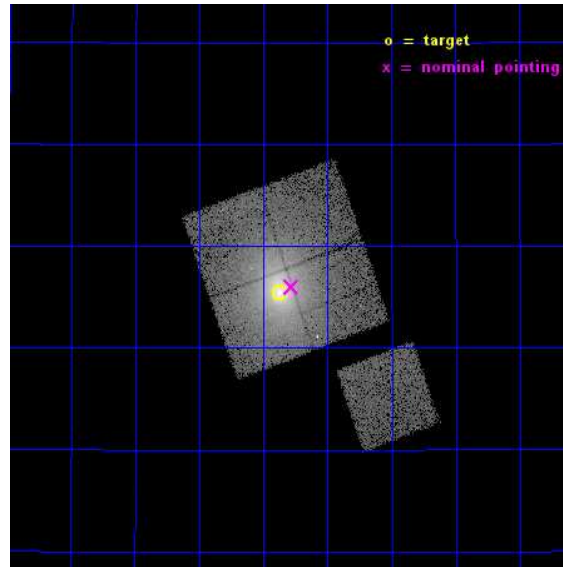
L2 Processing Date : Apr 8 2015

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1 Front

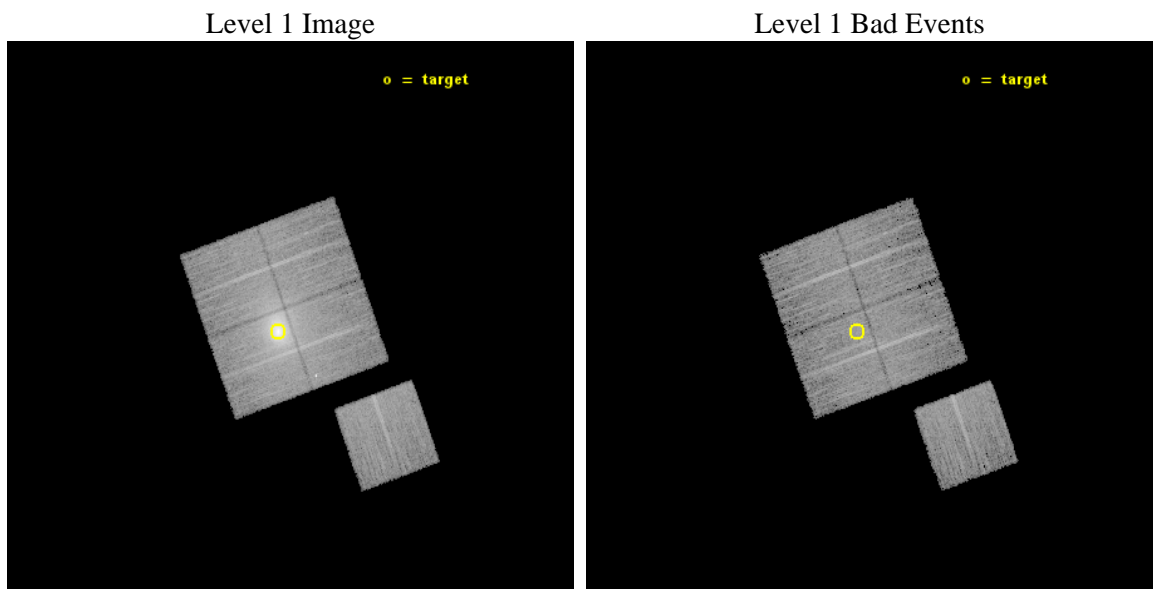
seq_num	890099	Sequence number
obs_id	17399	Observation id
title	AO-16 Calibration Observations of A1795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.19552824773	Nominal RA [deg]
dec_nom	26.600430585196	Nominal Dec [deg]
roll_nom	160.26395940512	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15081.50011611	Sum of GTIs [s]
liveltime	14884.449214254	Livetime [s]
ontime0	15078.359115958	Sum of GTIs [s]
ontime1	15078.359125853	Sum of GTIs [s]
ontime2	15078.359115839	Sum of GTIs [s]
ontime3	15081.50011611	Sum of GTIs [s]
ontime6	15081.50011611	Sum of GTIs [s]
l2events	140740	Number of level 2 events



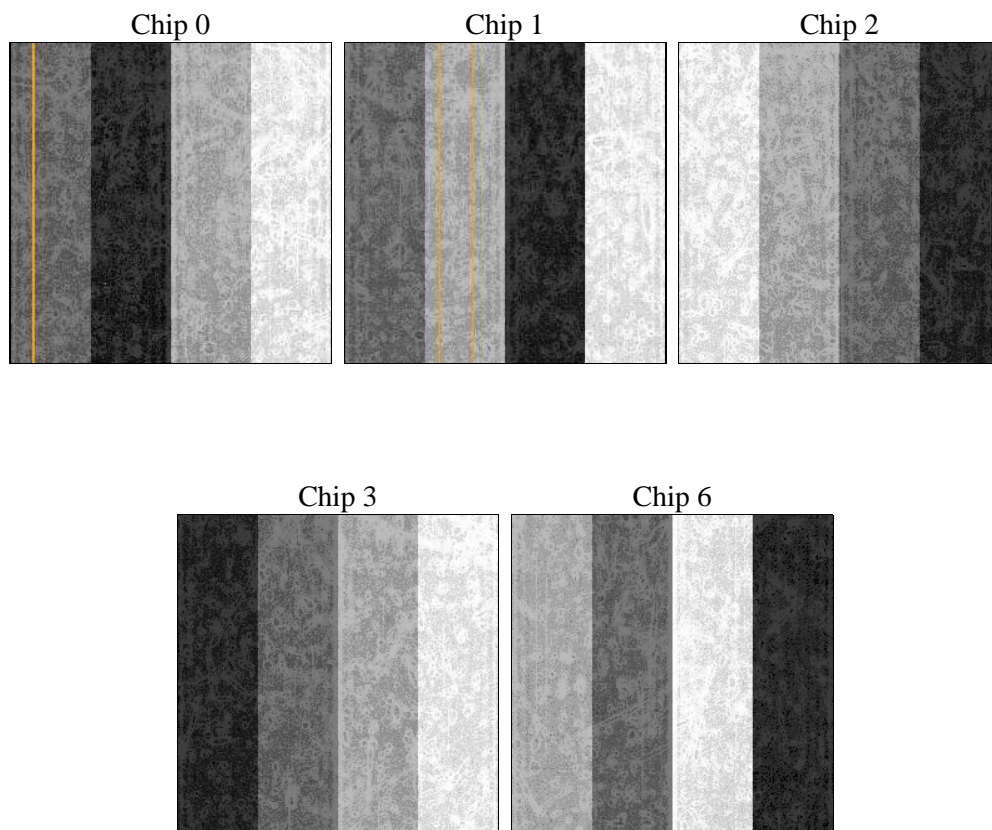
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	15081.50011611	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	15078.359115958	Sum of GTIs [s]
date	2015-04-08T11:21:04	Date and time of file creation	ontime1	15078.359125853	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	15078.359115839	Sum of GTIs [s]
			ontime3	15081.50011611	Sum of GTIs [s]
			ontime6	15081.50011611	Sum of GTIs [s]
			l1events	457618	Number of level 1 events

2.1.4 Events

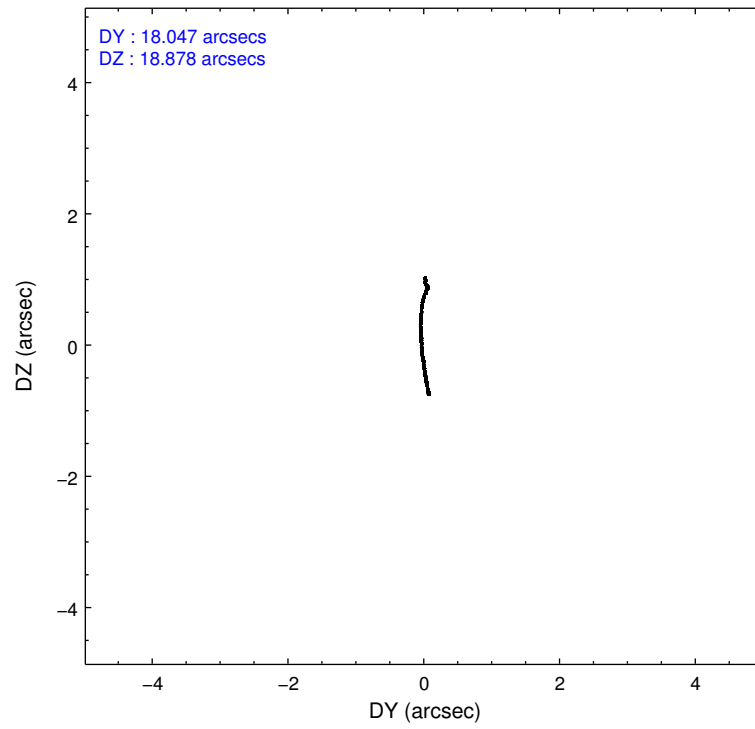
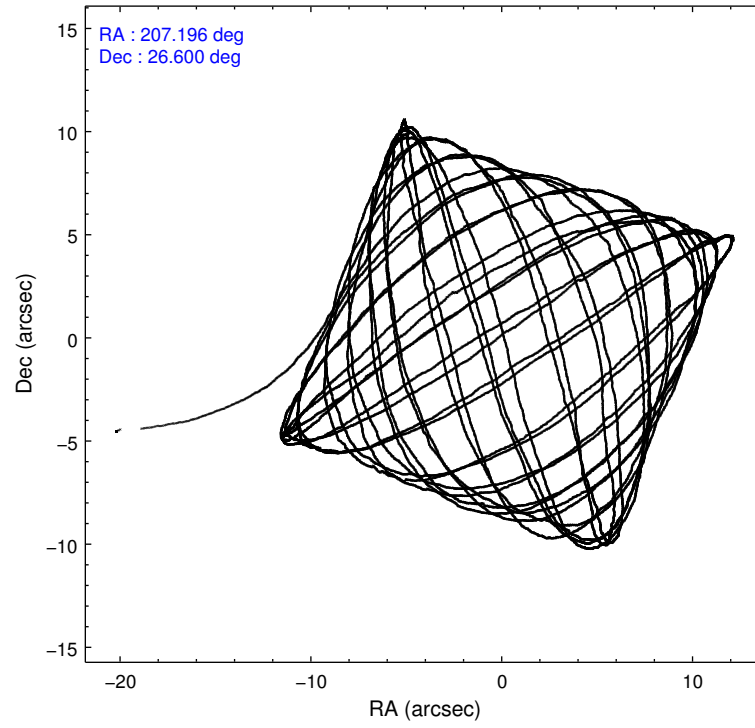
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	72318	82164	83733	147732	71671
rejected events	57939	59828	61613	64376	62799
rejected %	80%	72%	73%	43%	87%

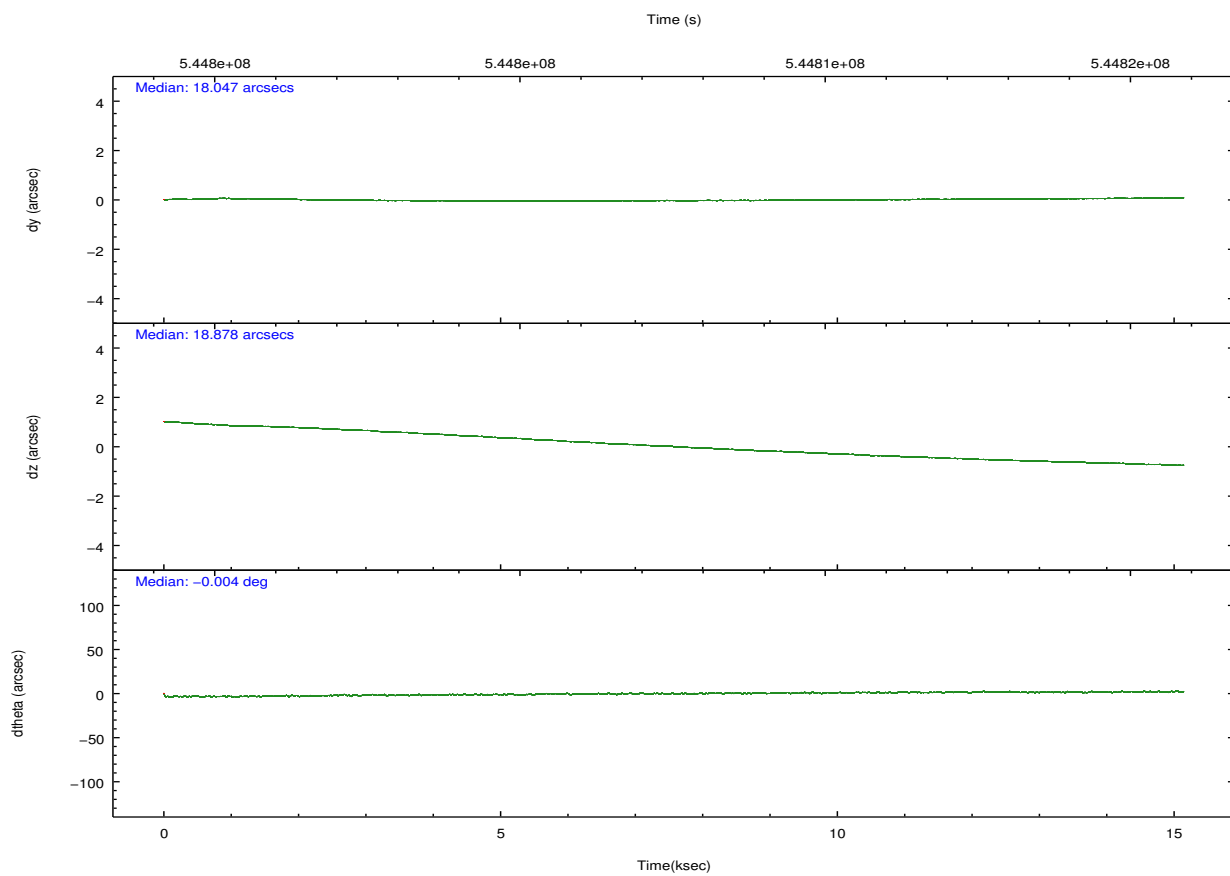
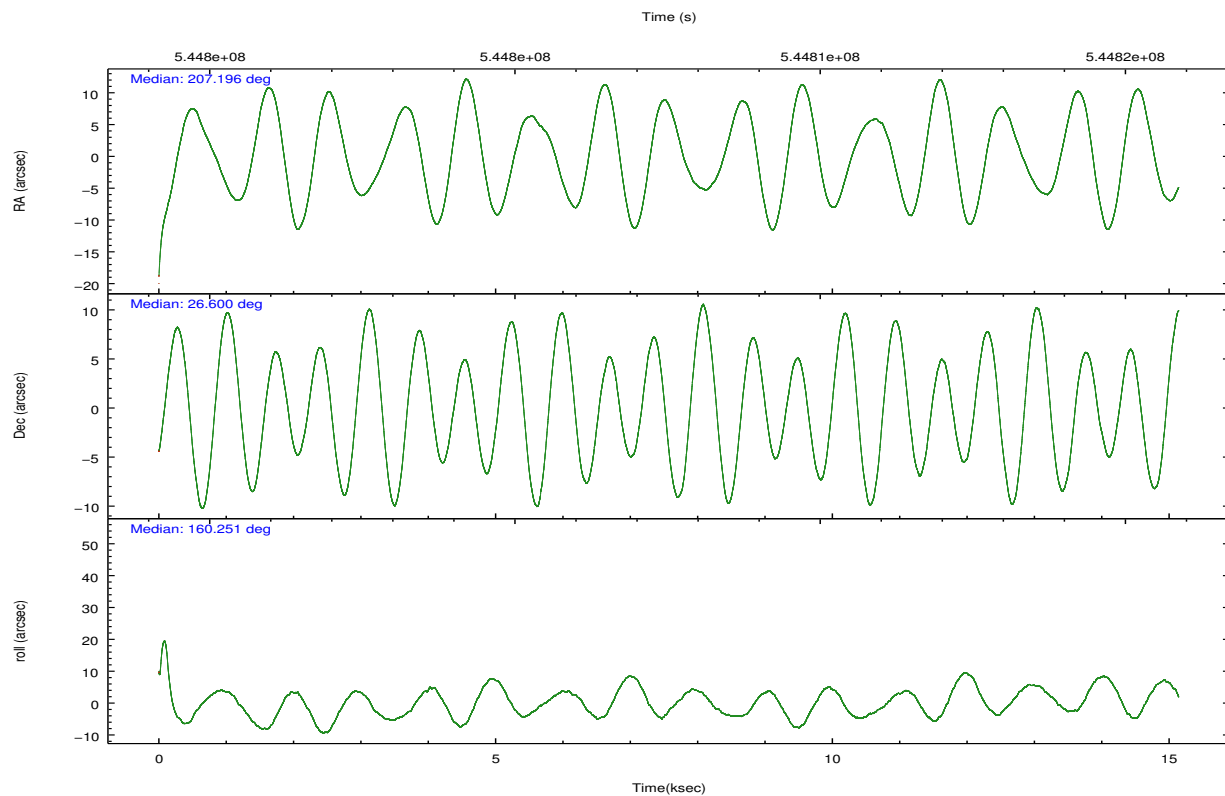
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7707	13453	14123	64337	3115
	10%	16%	16%	43%	4%
grade 1 events	65	64	94	304	36
	0%	0%	0%	0%	0%
grade 2 events	2806	3825	3428	9402	2037
	3%	4%	4%	6%	2%
grade 3 events	1079	1320	1248	3090	841
	1%	1%	1%	2%	1%
grade 4 events	1005	1313	1233	3129	890
	1%	1%	1%	2%	1%
grade 5 events	3356	3754	3188	4098	3684
	4%	4%	3%	2%	5%
grade 6 events	1782	2431	2094	3419	1992
	2%	2%	2%	2%	2%
grade 7 events	54518	56004	58325	59953	59076
	75%	68%	69%	40%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	207.225915	207.1955282477343	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.605445	26.60043058519565	Alternating exposures requested	N	N
[deg] Pointing Roll	160.041676	160.2639594051243	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	544233667.184000	544233667.184000			
[s] Window stop time (MET)	546739267.184000	546739267.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-230.252463	-230.2509380556586			
[mm] SIM translation stage offset	-3.34	-3.341514947271122			
[s] Observation start time (MET)	544800079.184000	544798940.60576			
Observation start date	2015-04-07T13:20:12	2015-04-07T13:02:20			
[s] Observation end time (MET)	544815079.184000	544815213.50667			
Observation end date	2015-04-07T17:30:12	2015-04-07T17:33:33			
Read mode	TIMED	TIMED			

2.3 Aspect



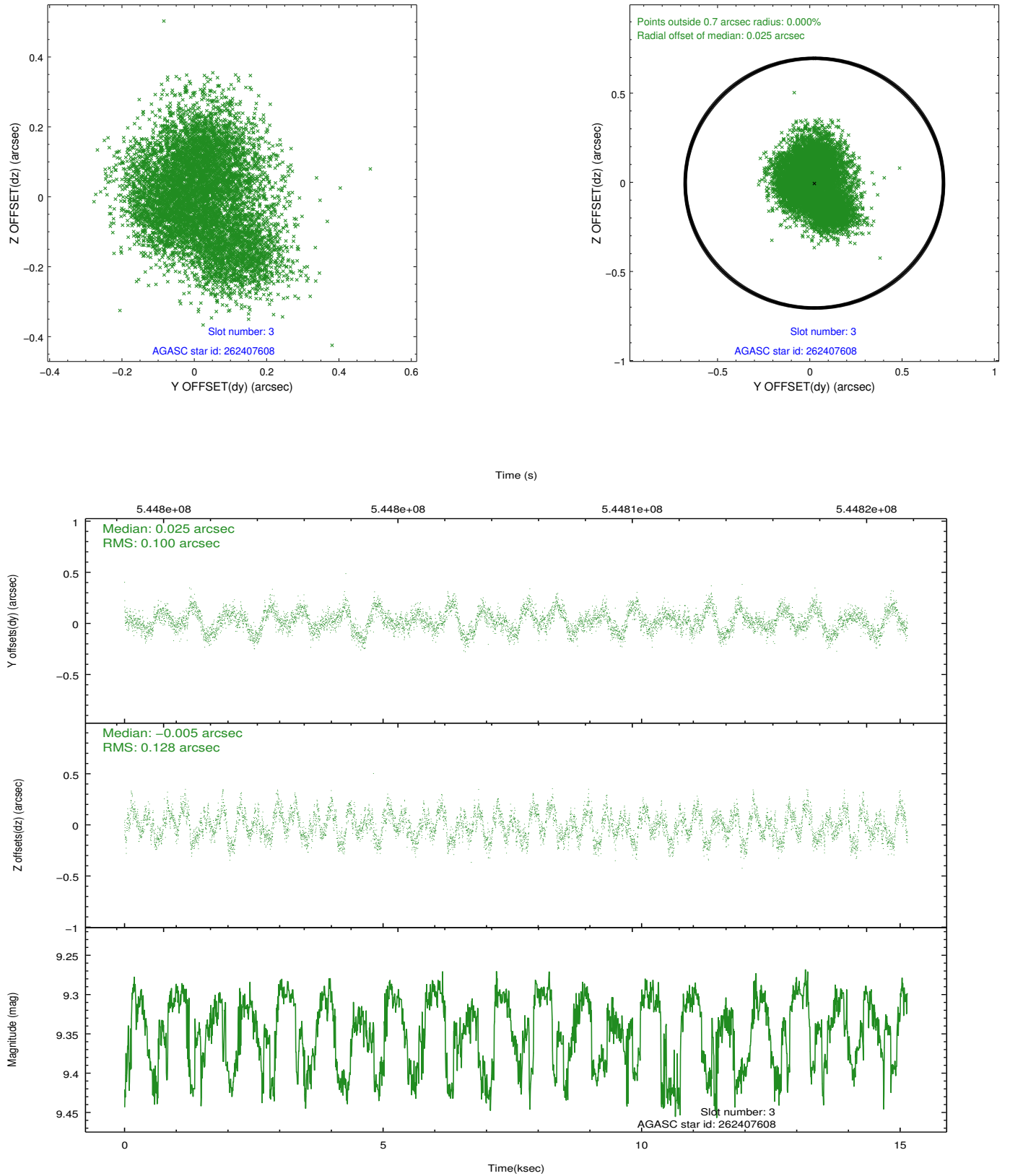


Slot Statistics

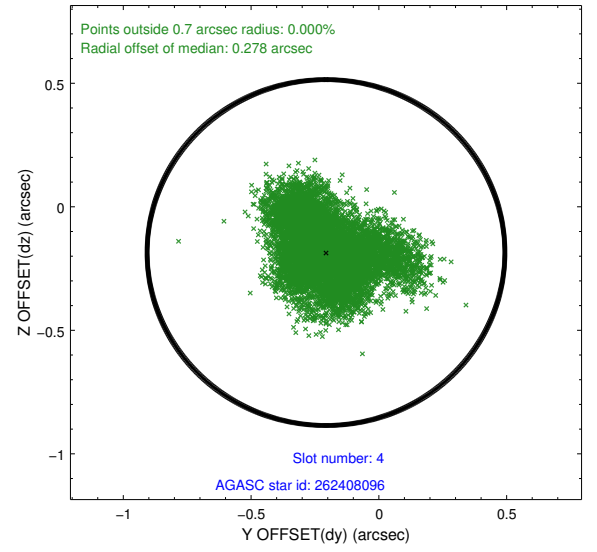
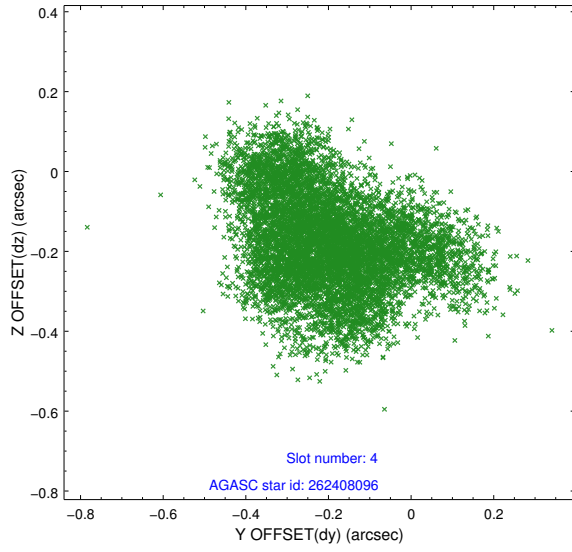
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.12	3694	0.077	-0.025	0.017	0.031	0.000000	0.000000	921.37	-911.17
1	FID		ACIS-I-5	7.12	3693	-0.285	0.062	0.009	0.016	0.000000	0.000000	-1827.00	986.14
2	FID		ACIS-I-6	7.11	3694	0.116	0.037	0.012	0.020	0.000000	0.000000	386.54	1631.04
3	GUIDE	used	262407608	9.34	7379	0.025	-0.005	0.176	0.269	207.378401	26.435507	-670.89	407.05
4	GUIDE	used	262408096	9.31	7377	-0.207	-0.185	0.194	0.304	207.011678	26.515421	538.58	539.84
5	GUIDE	used	262408936	9.66	7370	-0.033	0.124	0.151	0.251	207.154731	26.726554	363.92	-331.15
6	GUIDE	used	262408512	7.99	7384	0.092	0.330	0.097	0.155	207.800210	27.128796	-1084.20	-2402.64
7	GUIDE	used	262411960	9.64	7381	0.101	-0.271	0.141	0.225	207.327895	25.881727	-1200.19	2335.41

2.4 Star Slots

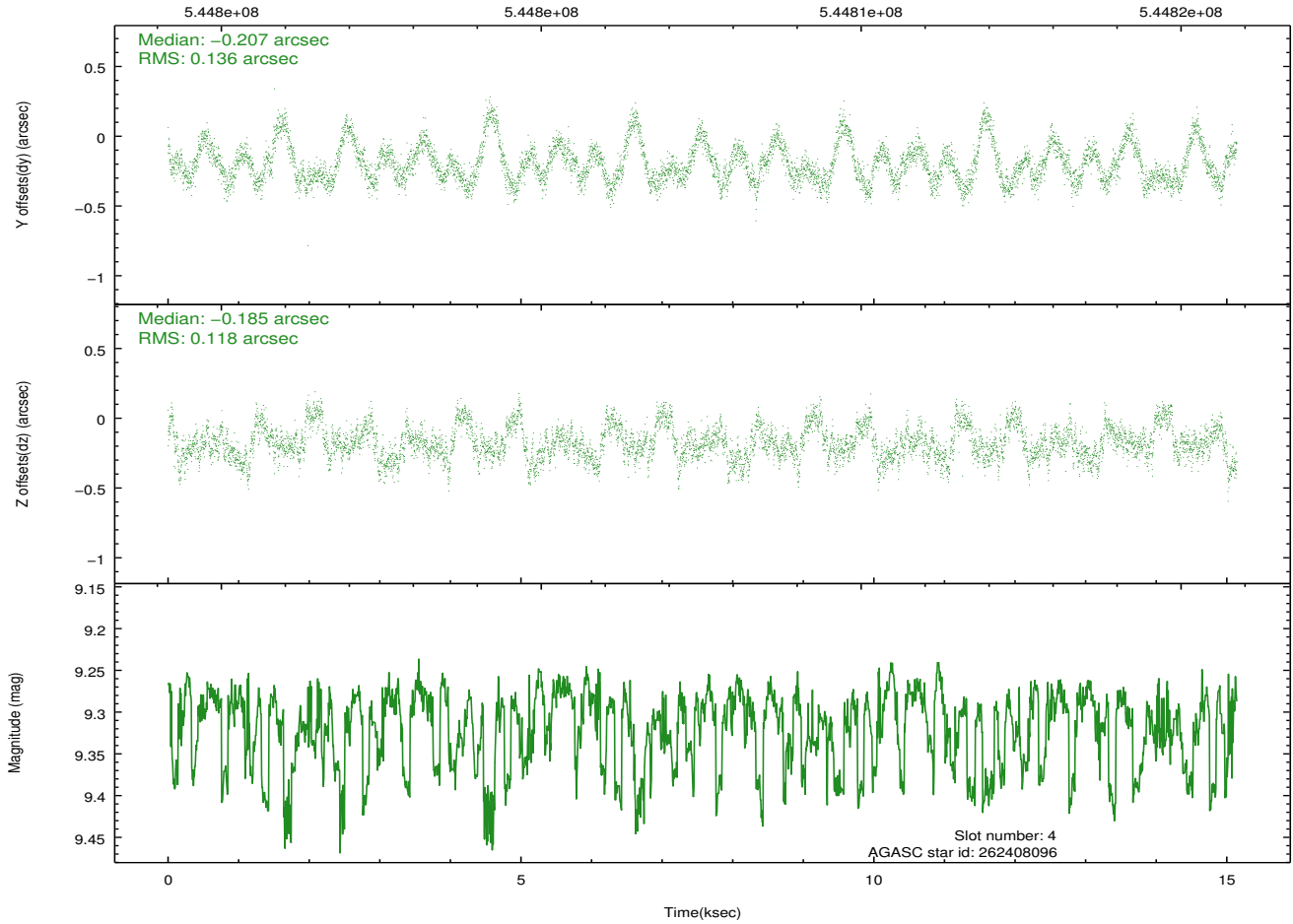
2.4.1 Slot 3



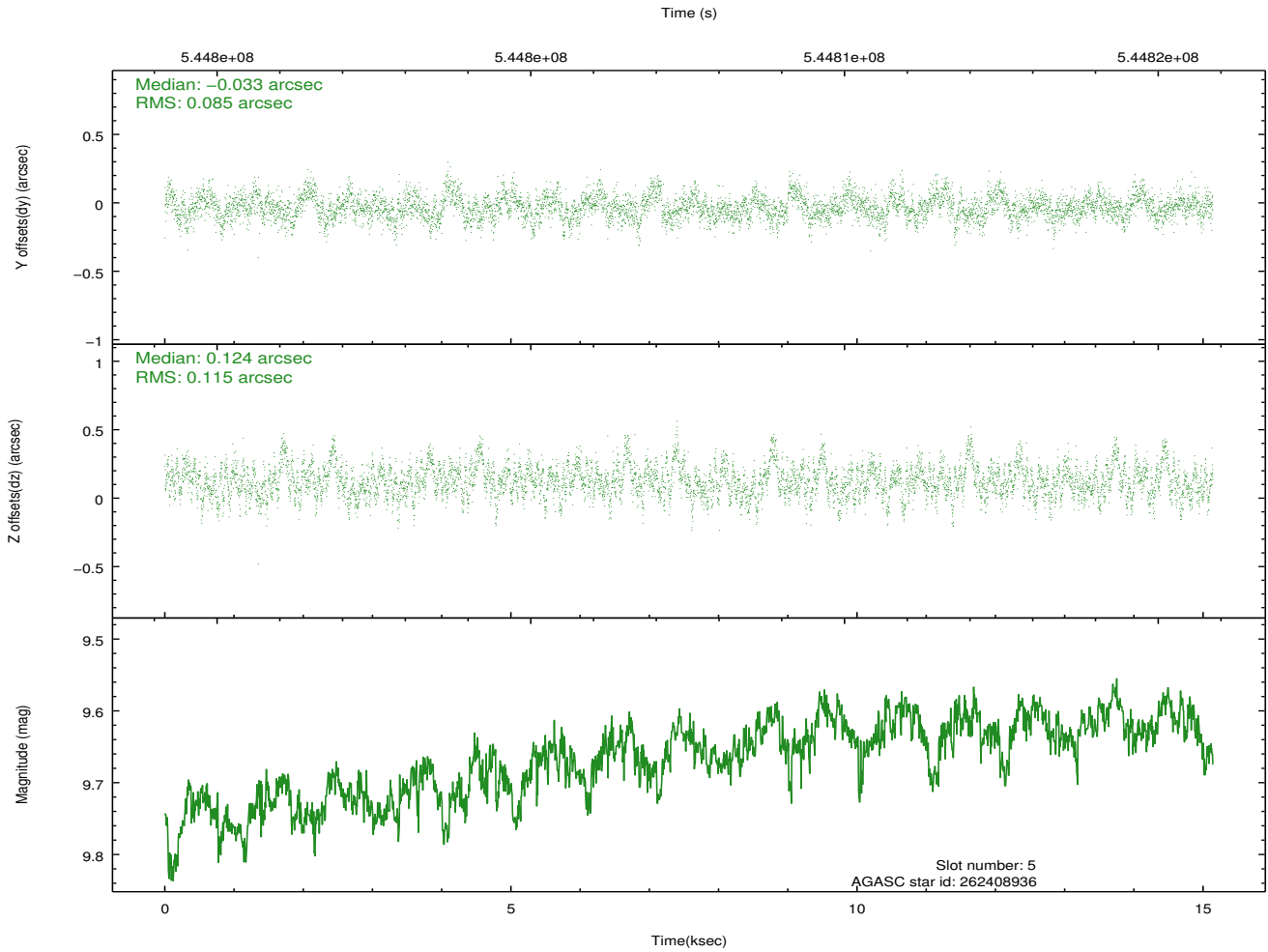
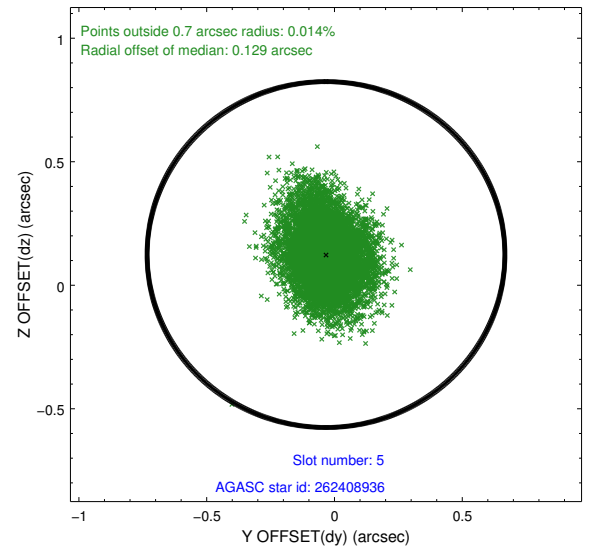
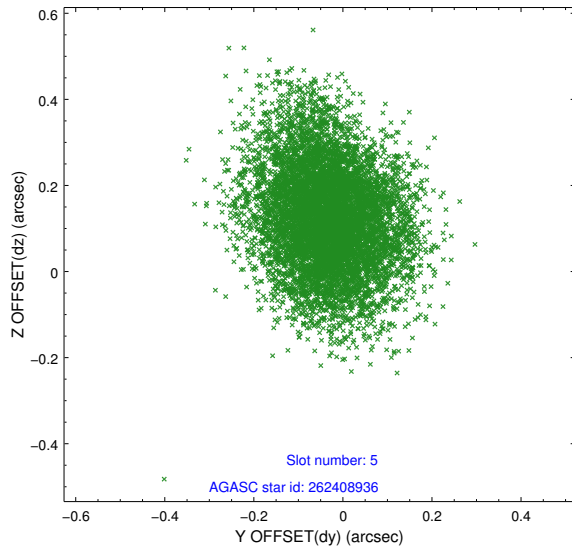
2.4.2 Slot 4



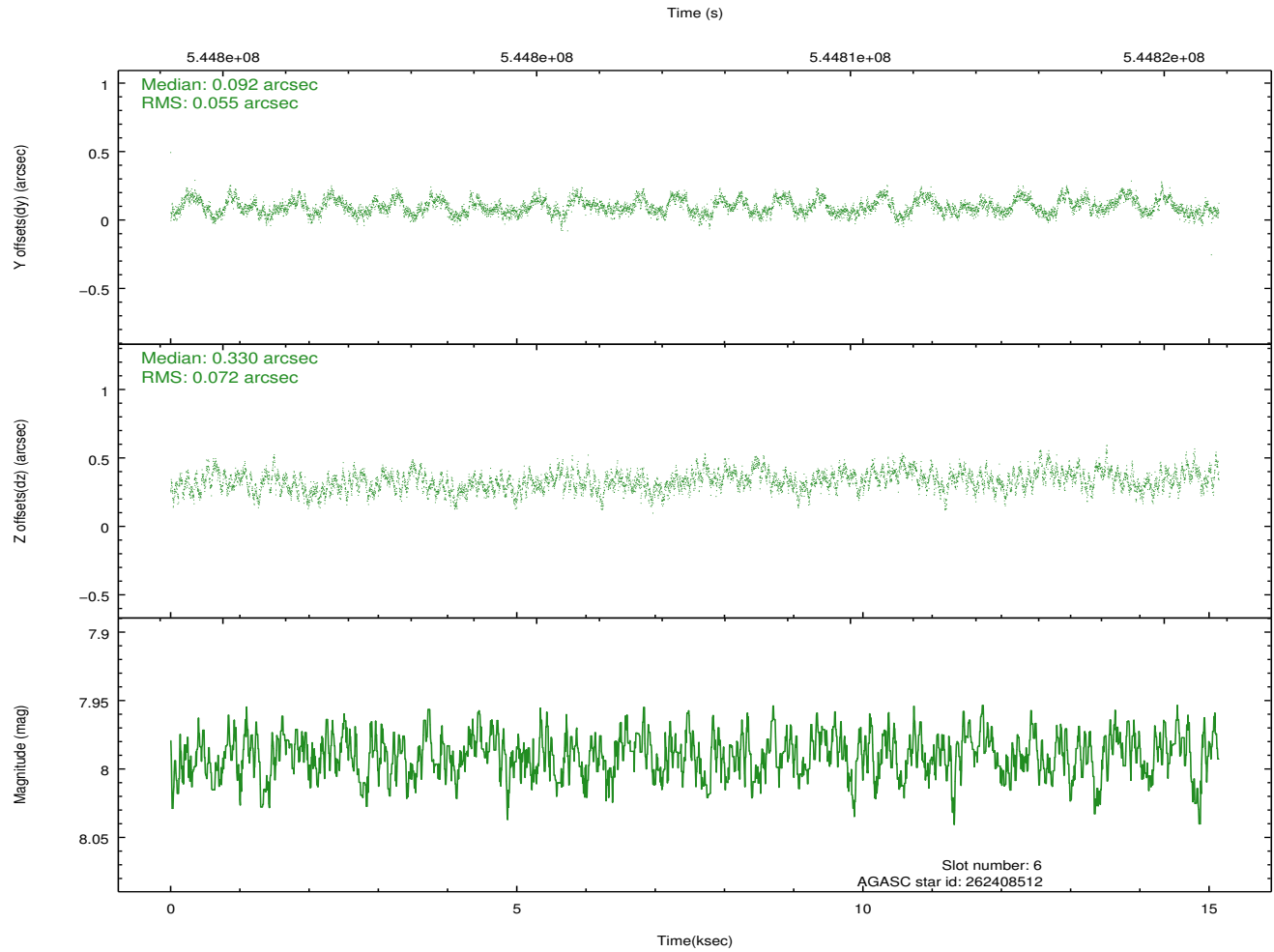
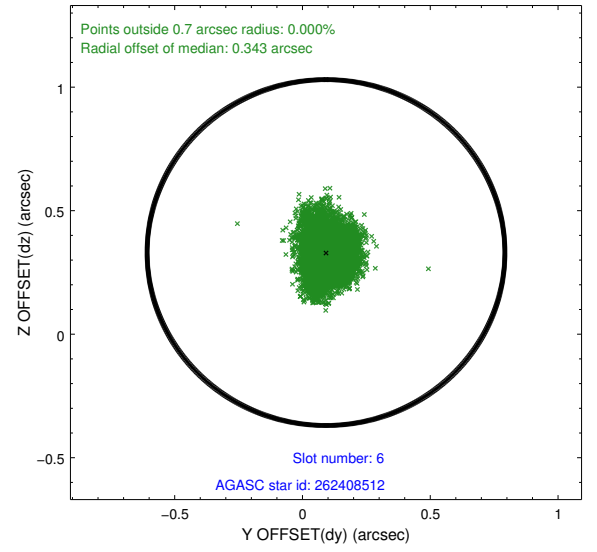
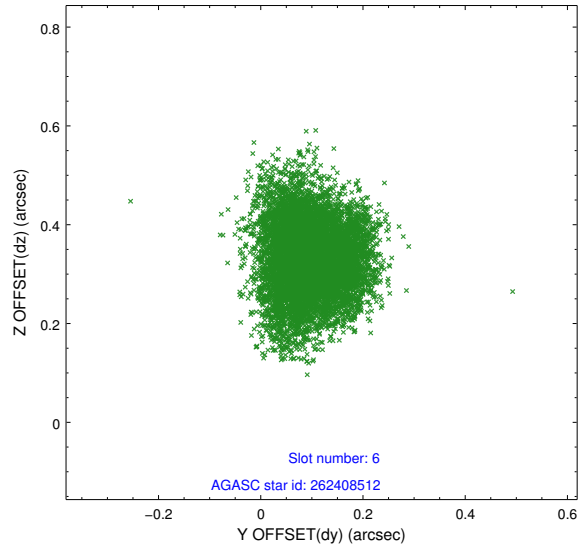
Time (s)



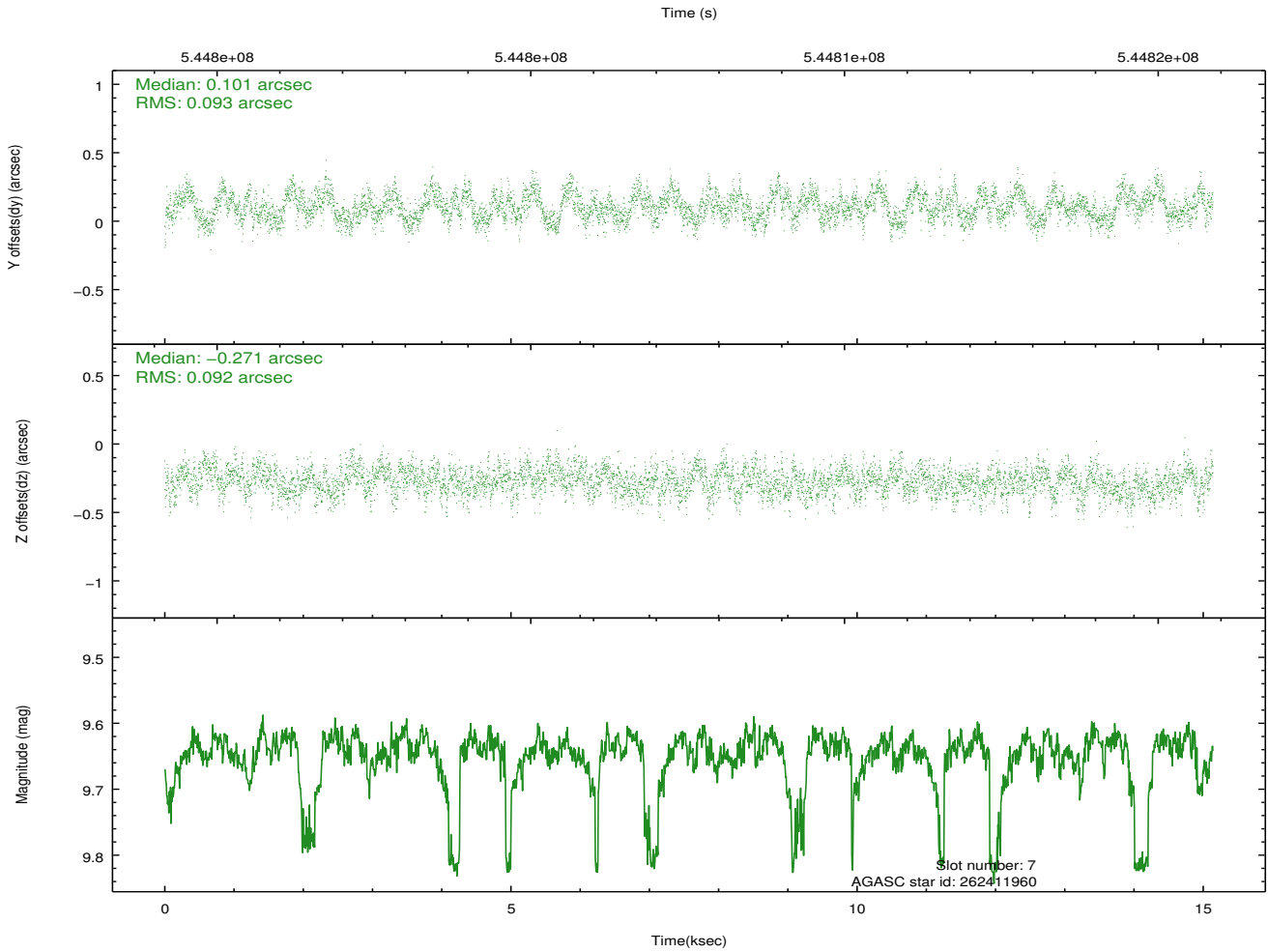
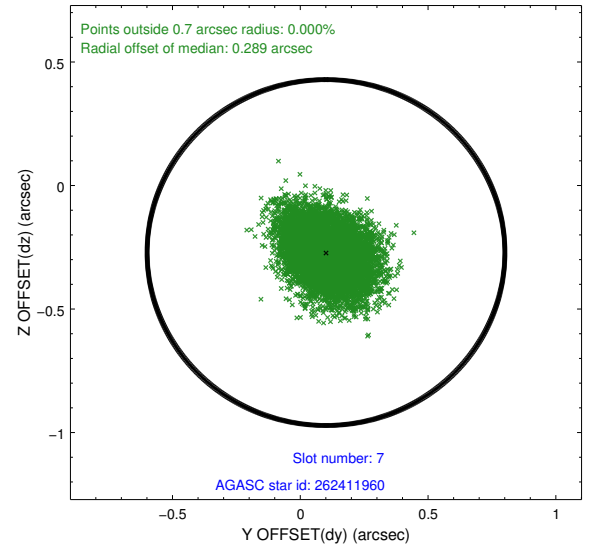
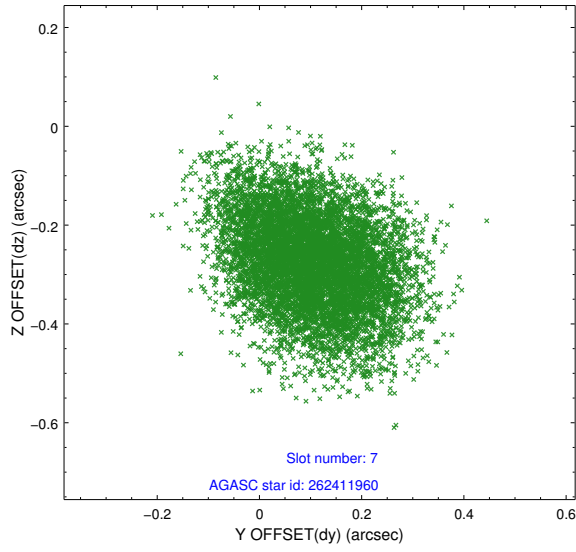
2.4.3 Slot 5



2.4.4 Slot 6

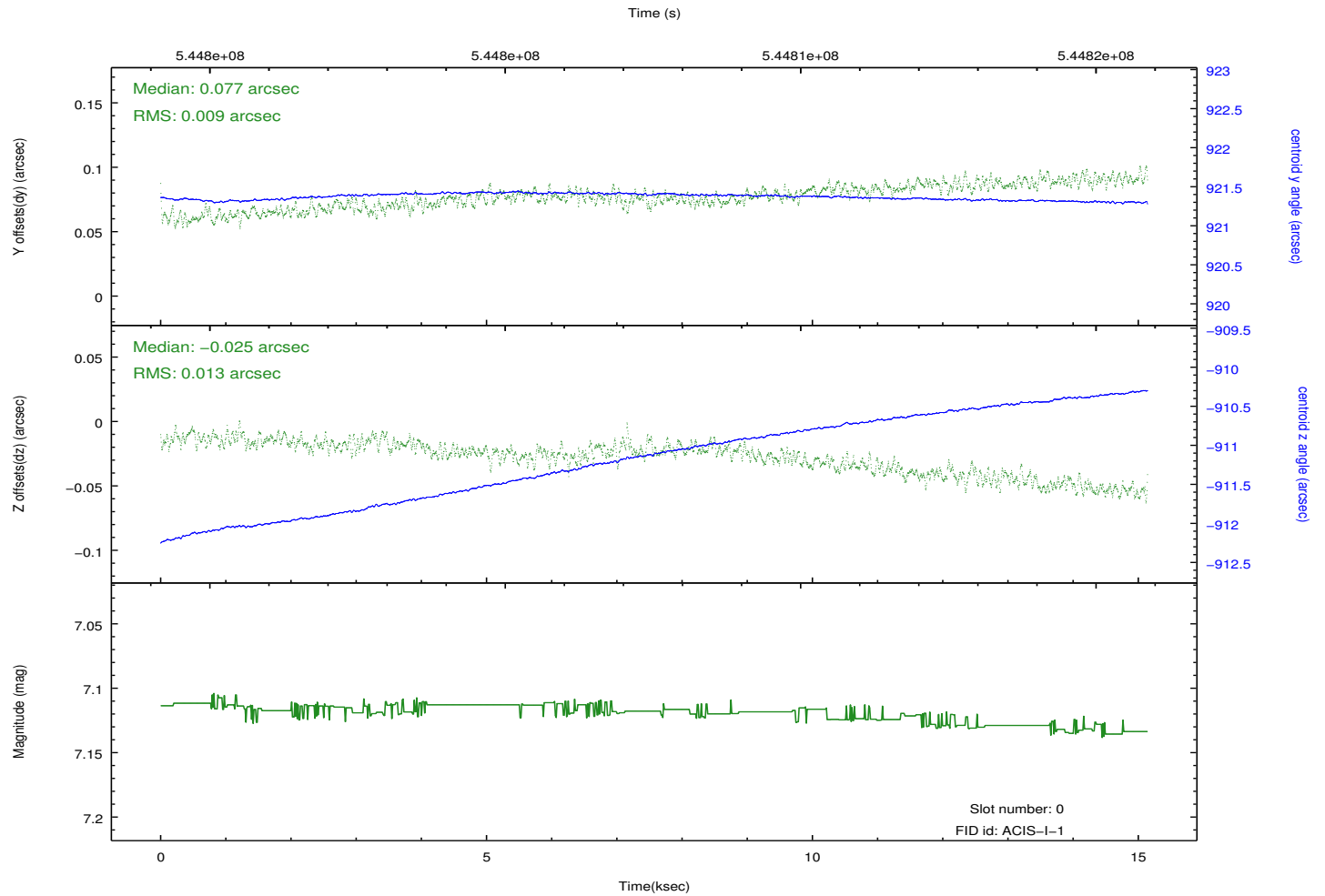
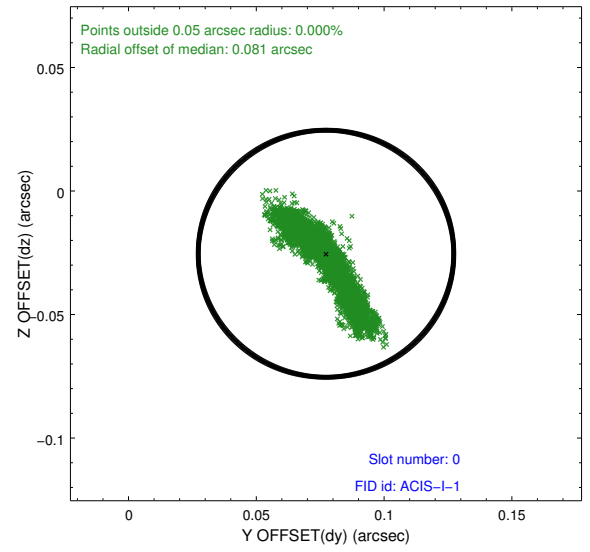
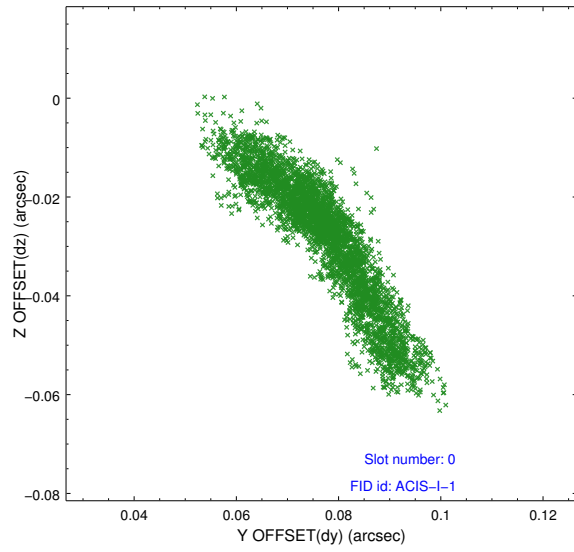


2.4.5 Slot 7

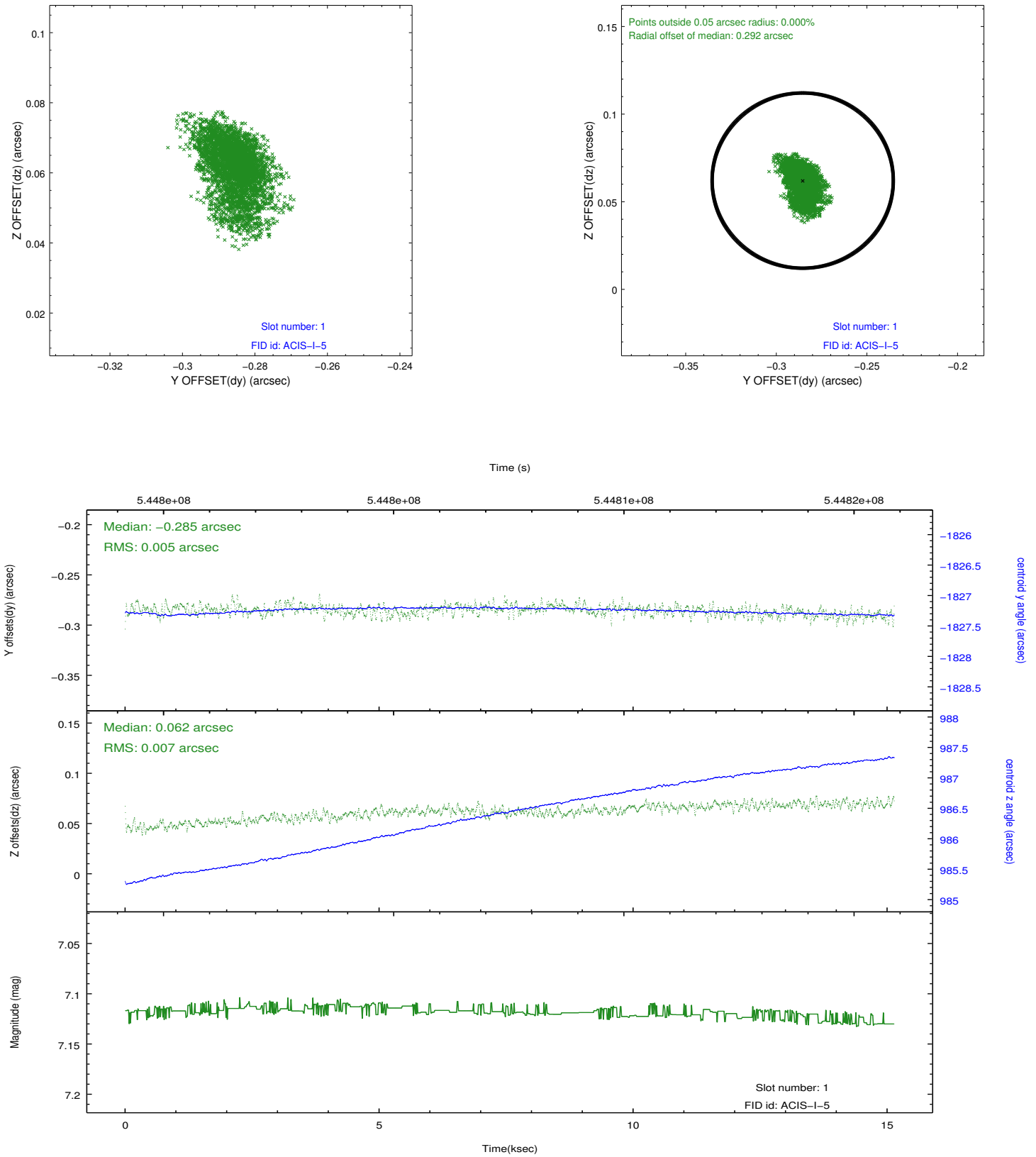


2.5 FID Slots

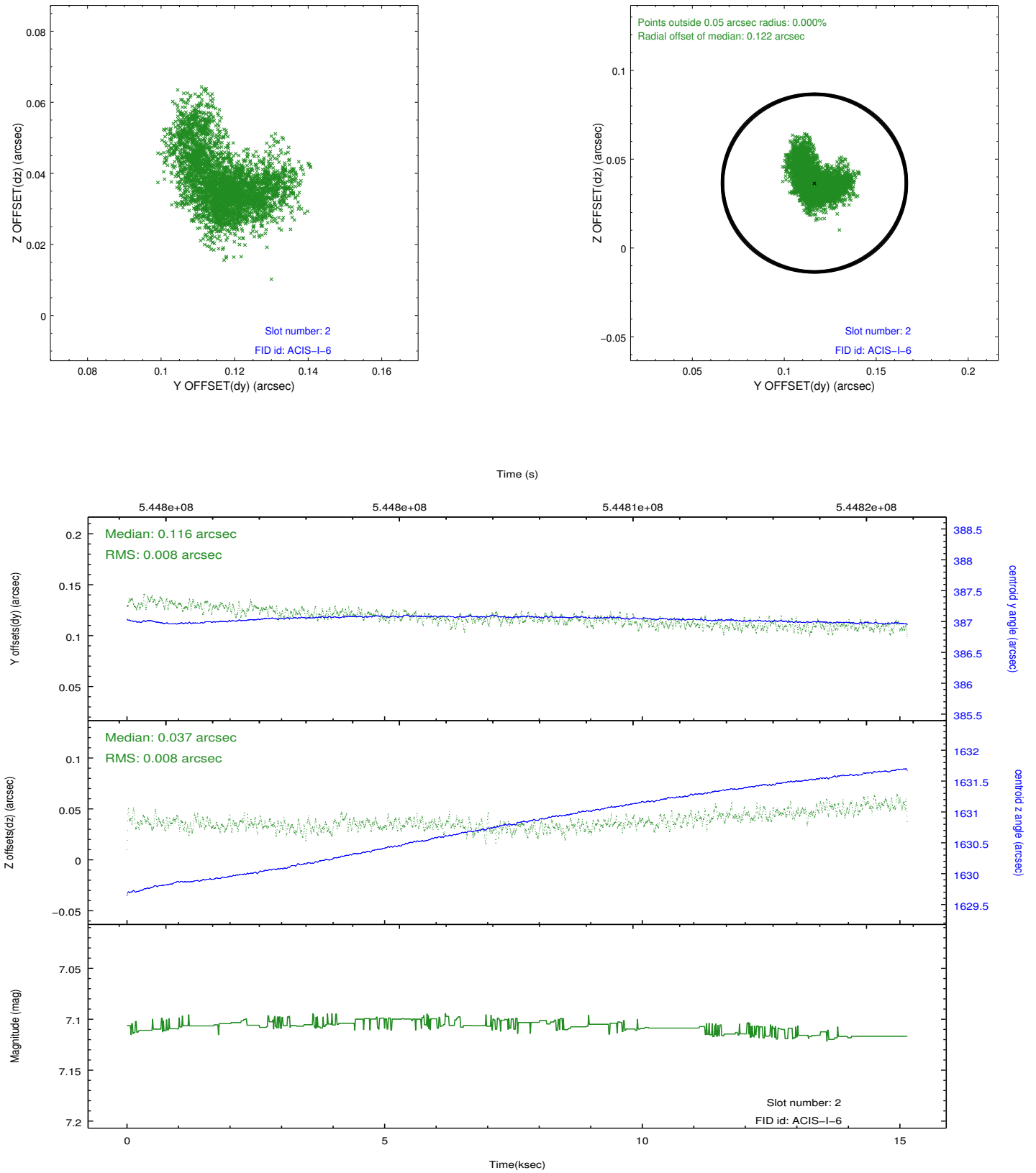
2.5.1 Slot 0



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)	2015.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.08150011611

A.2 Comments

Window constraint met.