

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 16343 - L2 Version 2
Chandra X-Ray Center

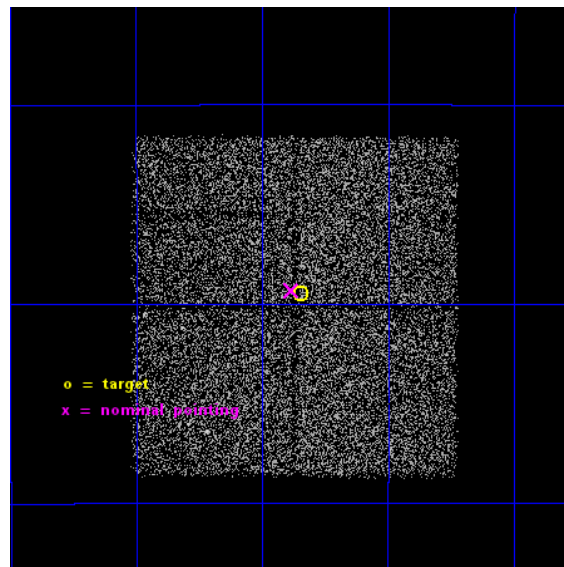
L2 Processing Date : Nov 25 2014

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1 Front

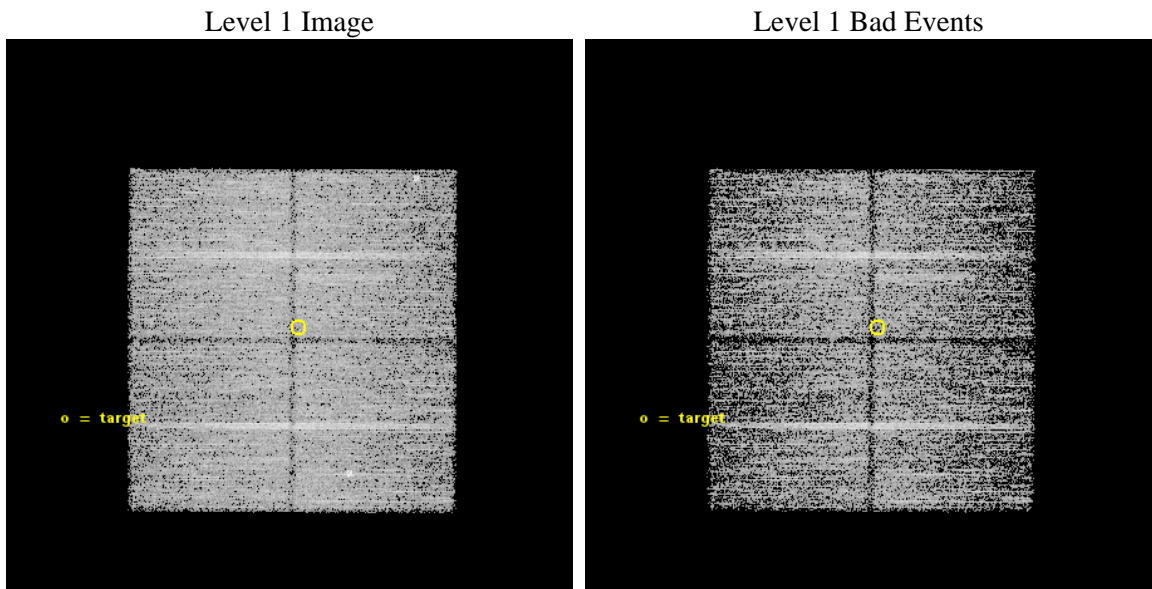
seq_num	901128	Sequence number
obs_id	16343	Observation id
title	A Wide-Field Survey in the Chandra Deep Field-South Region: A Combined GTO + GO Approach	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	CDFS-WF24	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.962083	Observer's specified target RA [deg]
dec_targ	-28.491139	Observer's specified target Dec [deg]
ra_nom	52.970976654065	Nominal RA [deg]
dec_nom	-28.488667831699	Nominal Dec [deg]
roll_nom	0.21292708668108	Nominal Roll [deg]
revision	2	Processing version of data
ontime	14791.716766596	Sum of GTIs [s]
livetime	14598.452097537	Livetime [s]
ontime0	14794.734696805	Sum of GTIs [s]
ontime1	14794.775736809	Sum of GTIs [s]
ontime2	14794.816776812	Sum of GTIs [s]
ontime3	14791.716766596	Sum of GTIs [s]
l2events	26745	Number of level 2 events



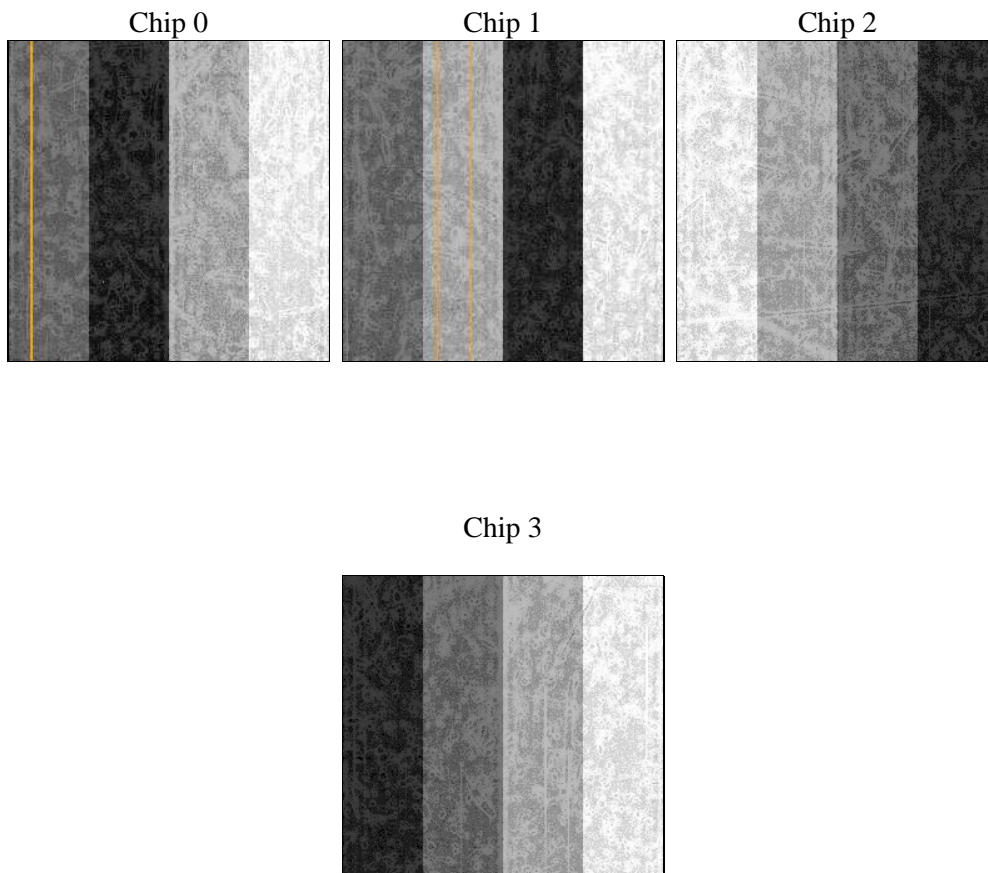
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.005000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	14791.716766596	Sum of GTIs [s]
caldsver	4.6.4	 	ontime0	14794.734696805	Sum of GTIs [s]
date	2014-11-25T19:08:39	Date and time of file creation	ontime1	14794.775736809	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	14794.816776812	Sum of GTIs [s]
			ontime3	14791.716766596	Sum of GTIs [s]
			l1events	271057	Number of level 1 events

2.1.4 Events

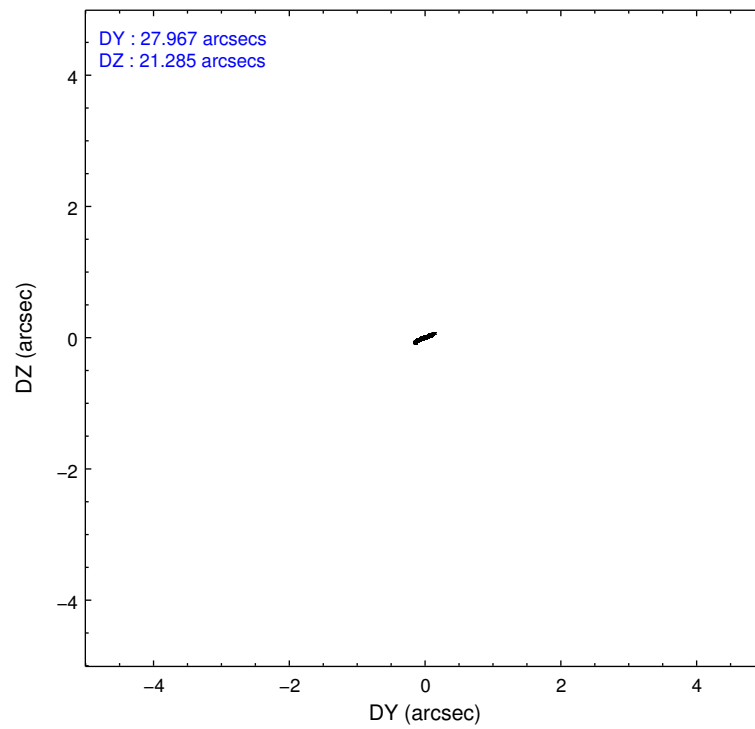
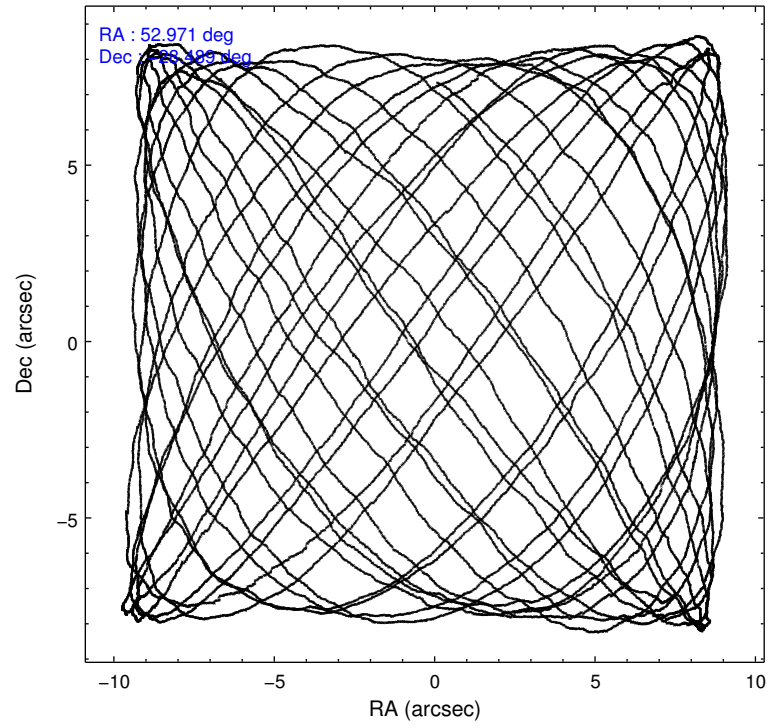
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	63928	66287	73903	66939
rejected events	55727	57205	66069	59012
rejected %	87%	86%	89%	88%

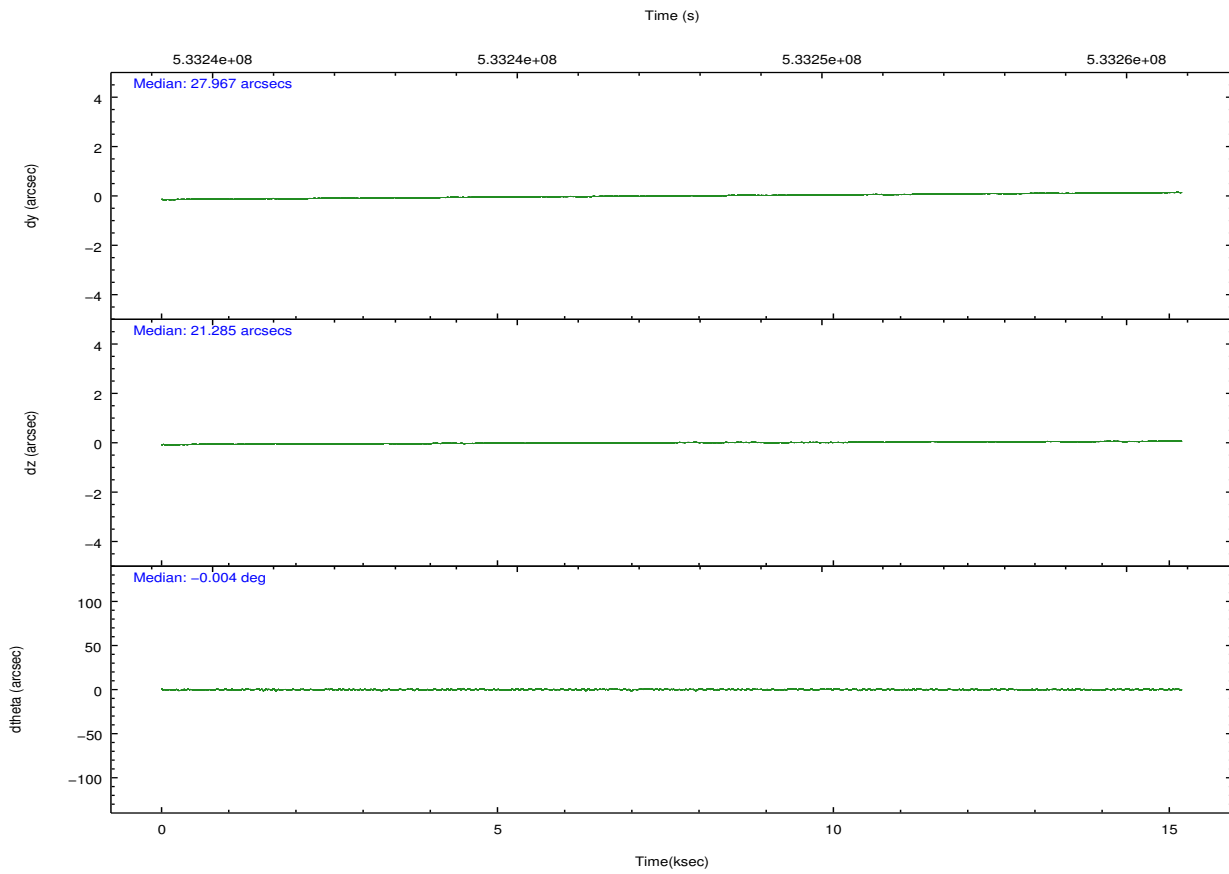
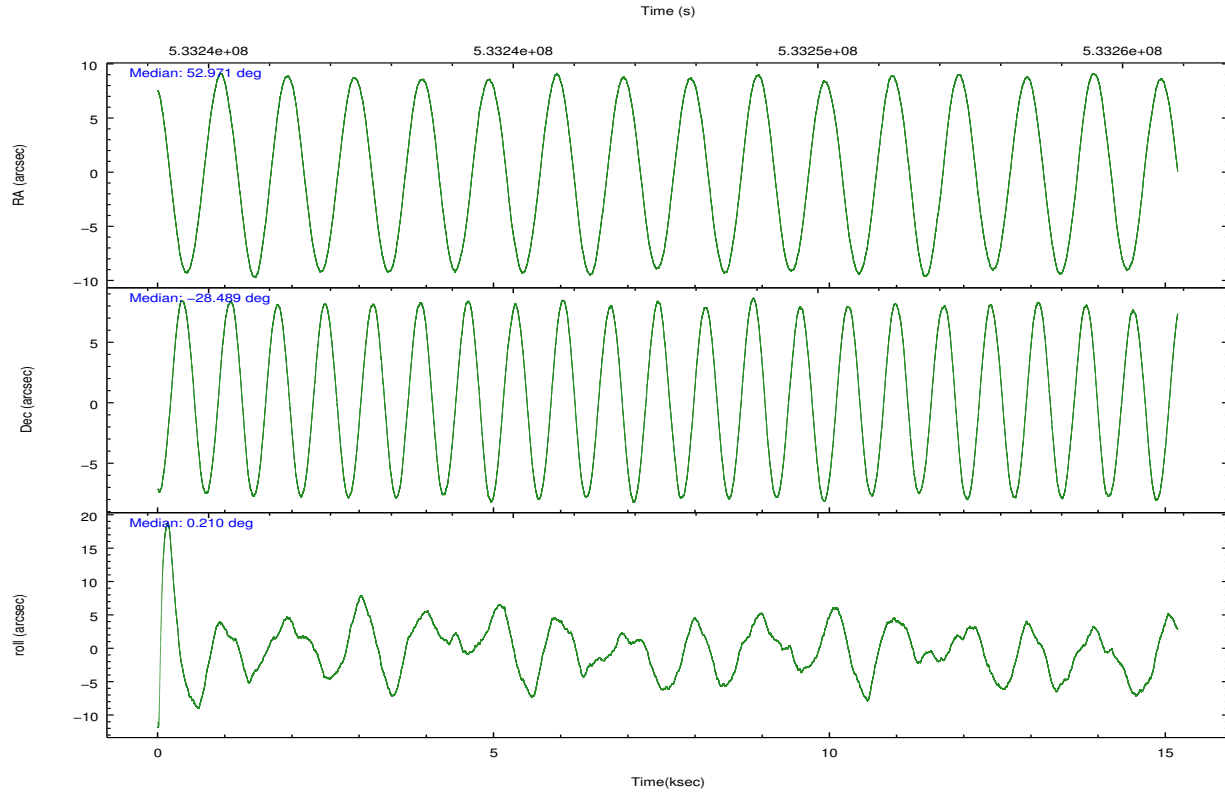
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2939	3307	2799	2715
	4%	4%	3%	4%
grade 1 events	42	47	33	46
	0%	0%	0%	0%
grade 2 events	1937	2019	1960	1992
	3%	3%	2%	2%
grade 3 events	873	877	810	834
	1%	1%	1%	1%
grade 4 events	809	906	818	877
	1%	1%	1%	1%
grade 5 events	2708	3069	2673	3329
	4%	4%	3%	4%
grade 6 events	1647	1978	1462	1512
	2%	2%	1%	2%
grade 7 events	52973	54084	63348	55634
	82%	81%	85%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	52.943871	52.97097665406451	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.502638	-28.48866783169944	Alternating exposures requested	N	N
[deg] Pointing Roll	359.991307	0.2129270866810758	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	533240120.184000	533239744.36012			
Observation start date	2014-11-24T18:14:13	2014-11-24T18:09:04			
[s] Observation end time (MET)	533255120.184000	533255357.16099			
Observation end date	2014-11-24T22:24:13	2014-11-24T22:29:17			
Read mode	TIMED	TIMED			

2.3 Aspect





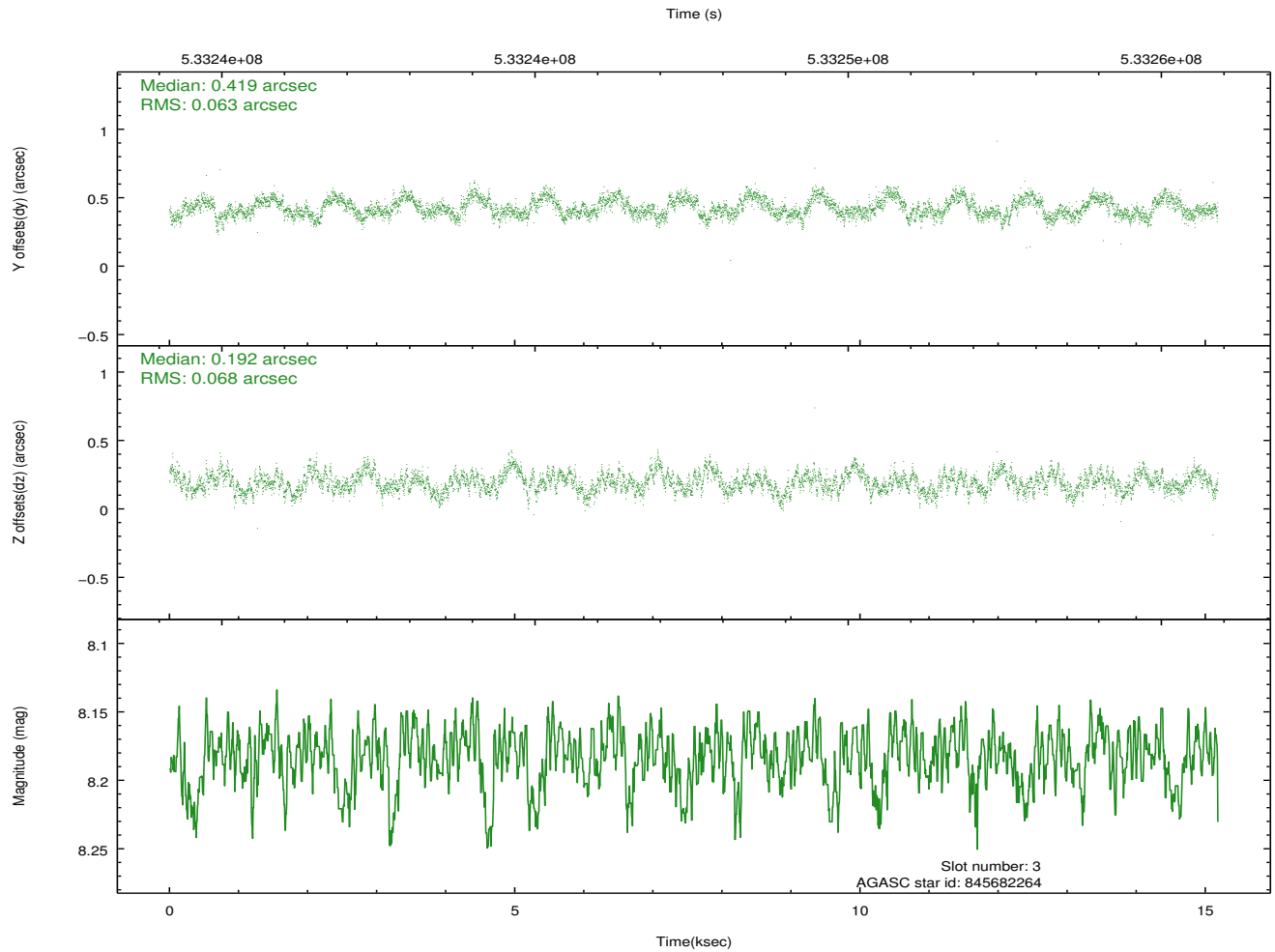
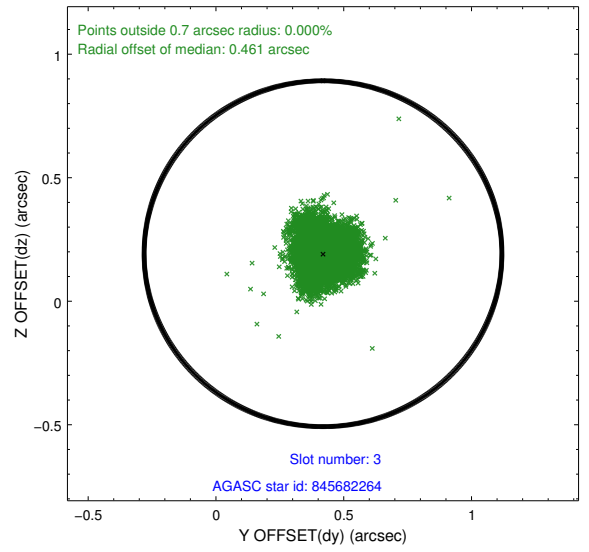
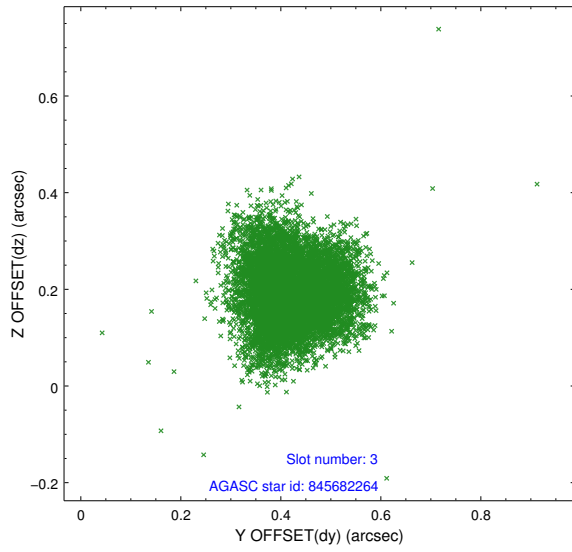
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.19	3702	0.055	-0.035	0.006	0.011	0.000000	0.000000	911.22	-845.05
1	FID		ACIS-I-5	7.17	3702	-0.290	0.033	0.006	0.010	0.000000	0.000000	-1837.13	1052.28
2	FID		ACIS-I-6	7.17	3702	0.143	0.072	0.007	0.011	0.000000	0.000000	376.45	1697.22
3	GUIDE	used	845682264	8.18	7401	0.419	0.192	0.099	0.154	52.270045	-28.993525	-2120.37	-1773.02
4	GUIDE	used	845683416	8.61	7403	0.001	-0.064	0.107	0.179	52.400573	-28.566798	-1717.35	-235.06
5	GUIDE	used	845684328	9.09	7400	-0.191	-0.313	0.220	0.318	53.019422	-29.016107	238.86	-1848.06
6	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	used	845816344	9.21	7399	-0.241	0.169	0.146	0.235	53.137522	-28.675689	612.22	-622.97

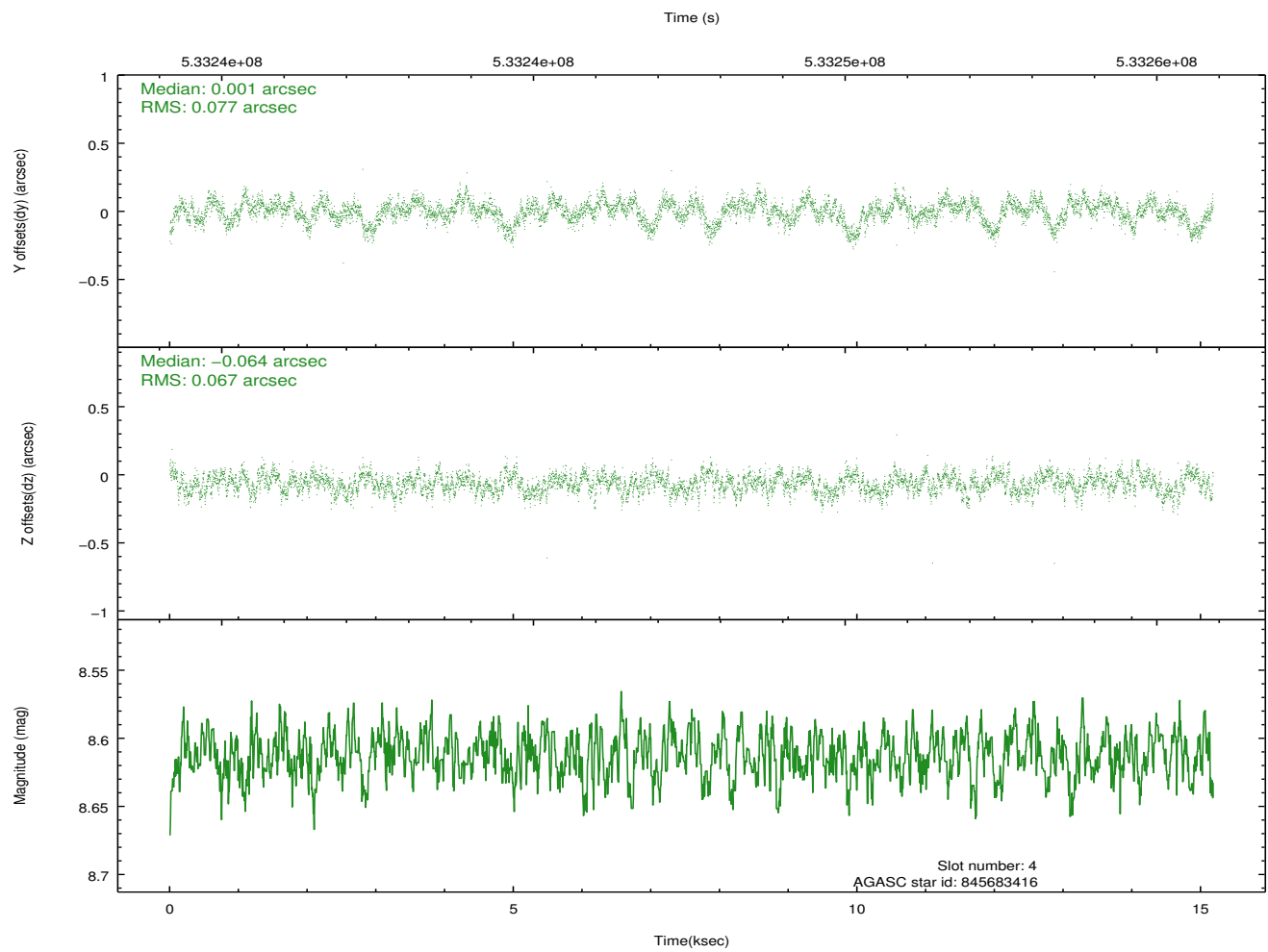
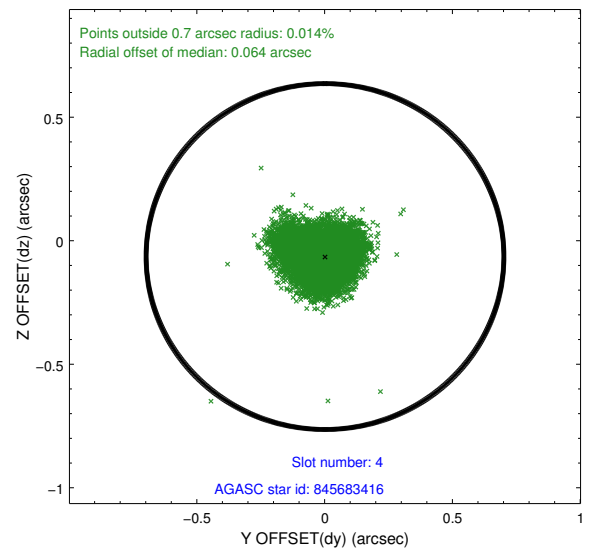
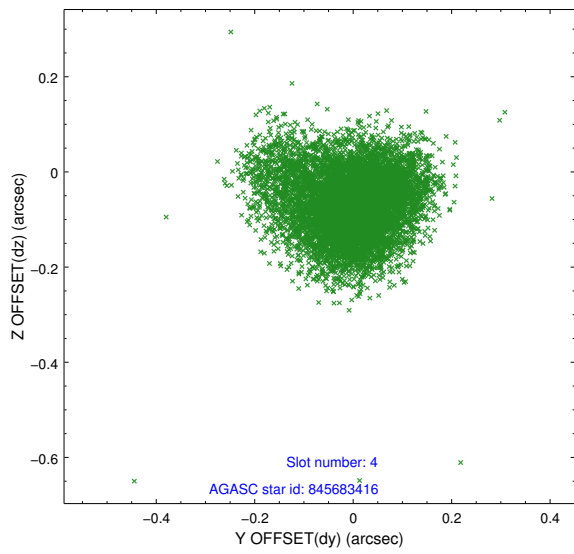
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2.4 Star Slots

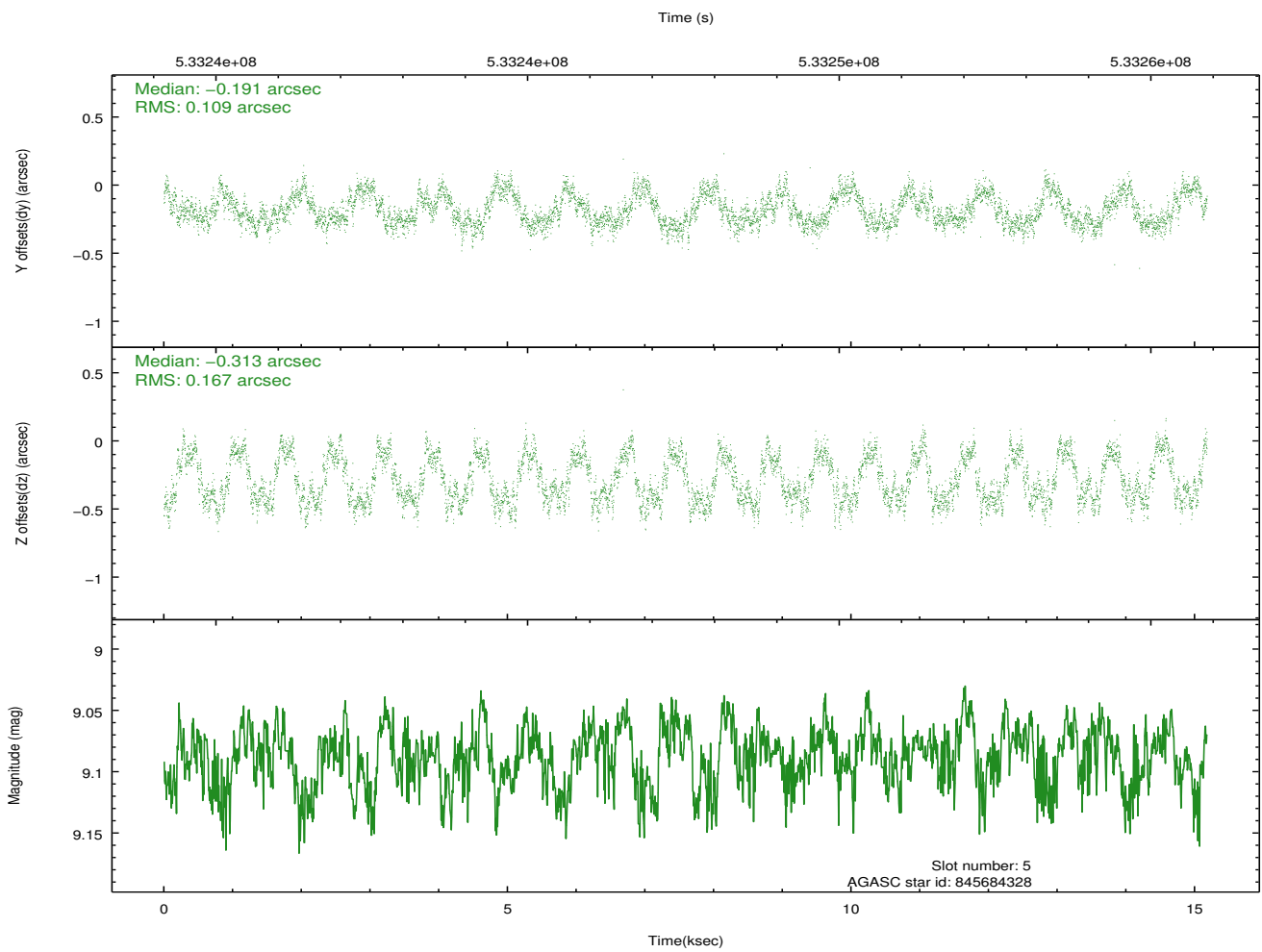
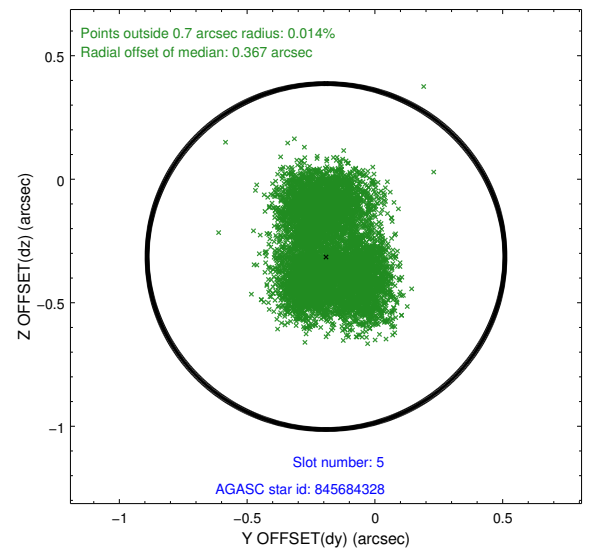
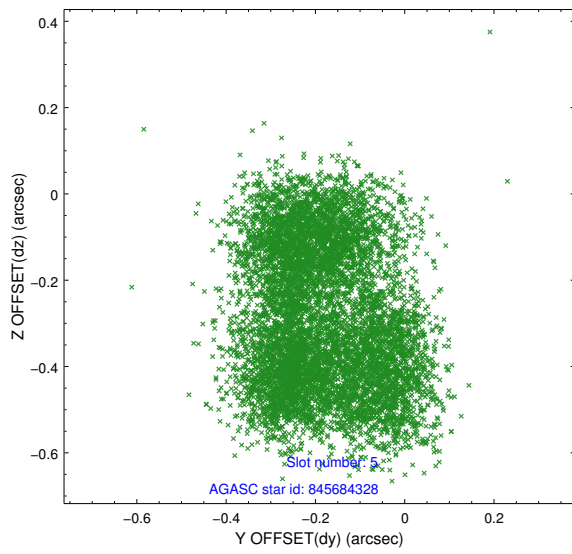
2.4.1 Slot 3



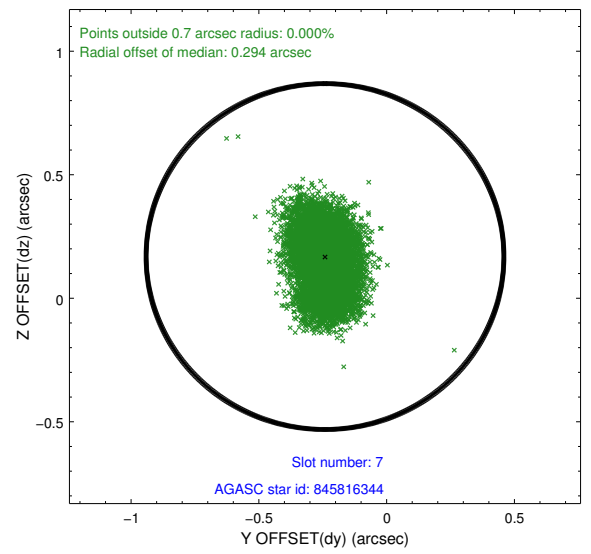
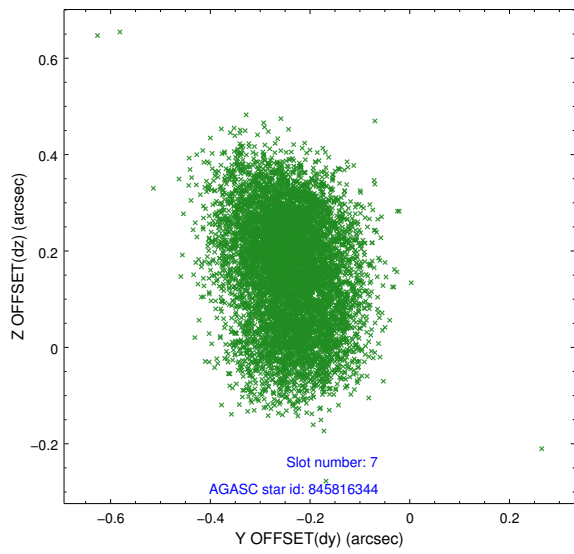
2.4.2 Slot 4



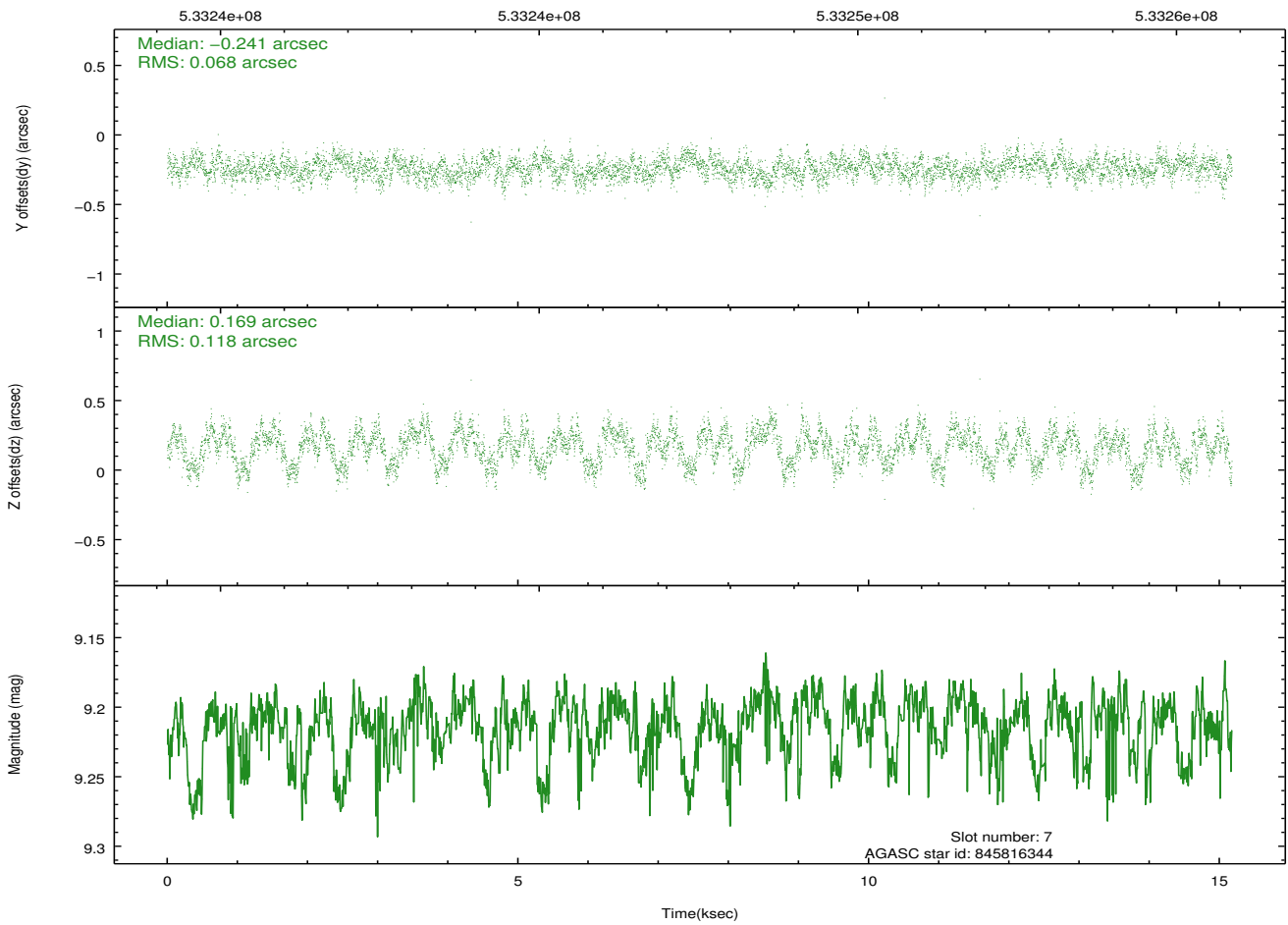
2.4.3 Slot 5



2.4.4 Slot 7

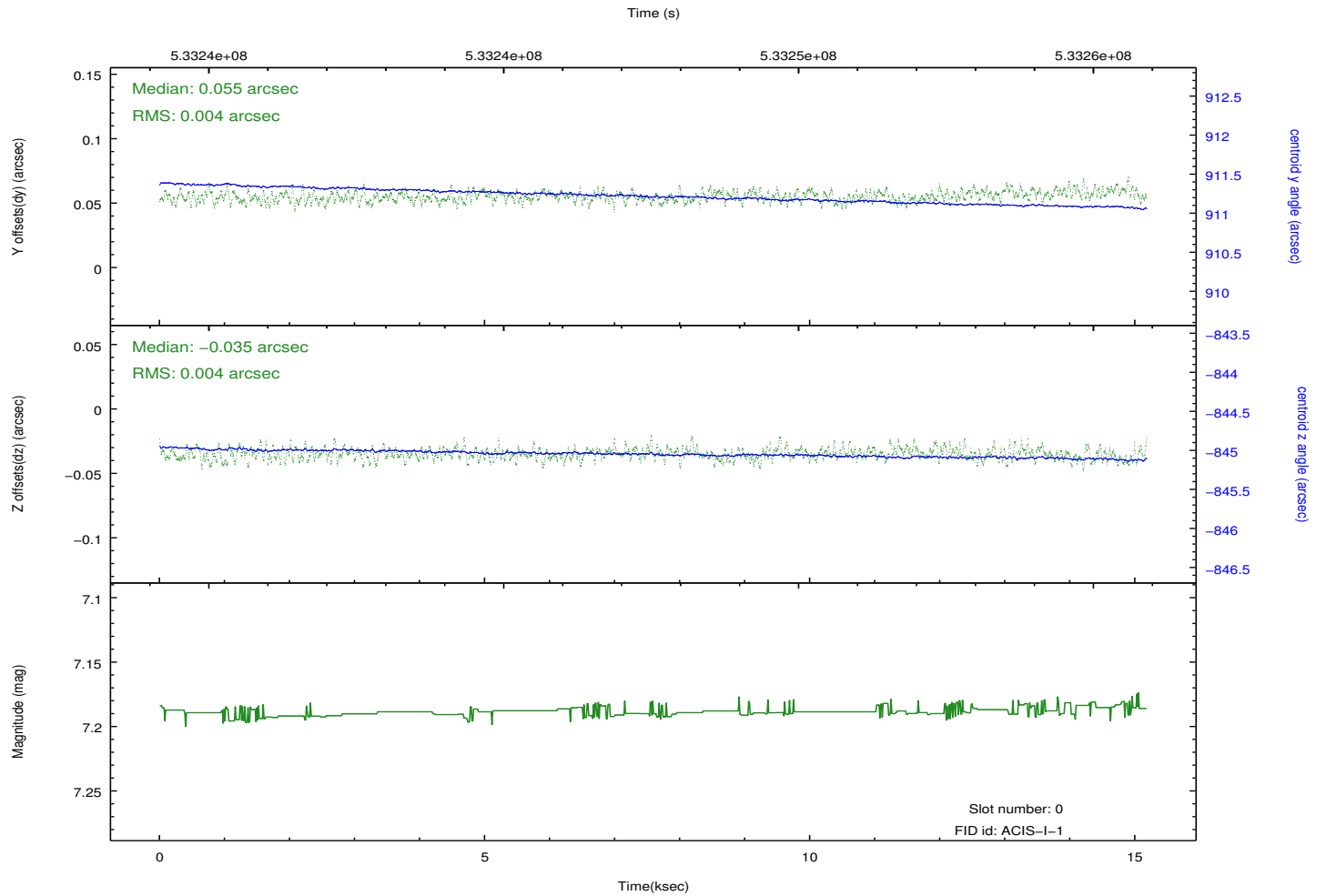
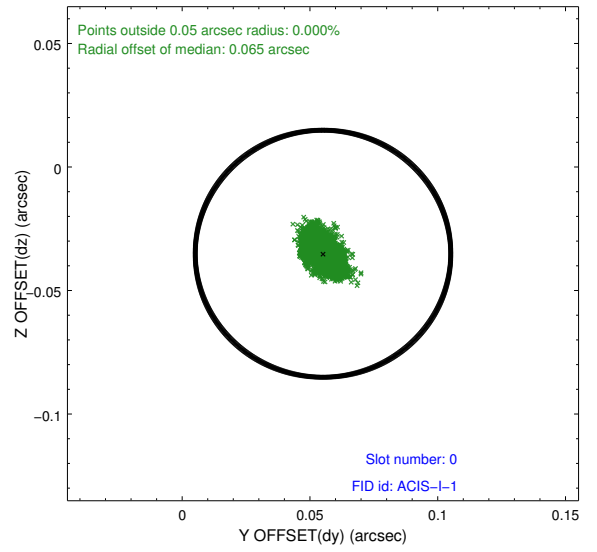
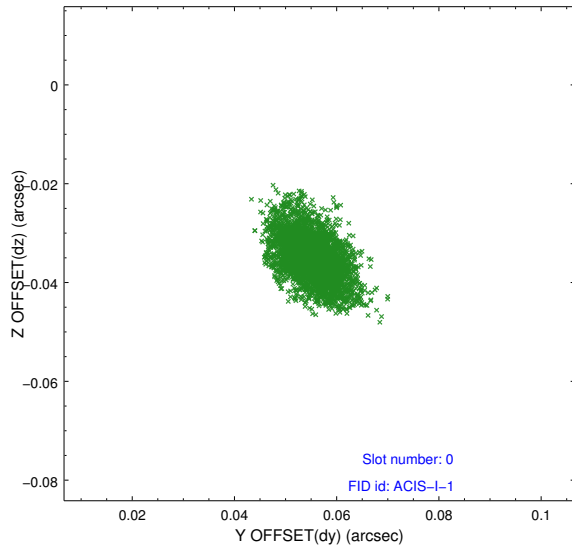


Time (s)

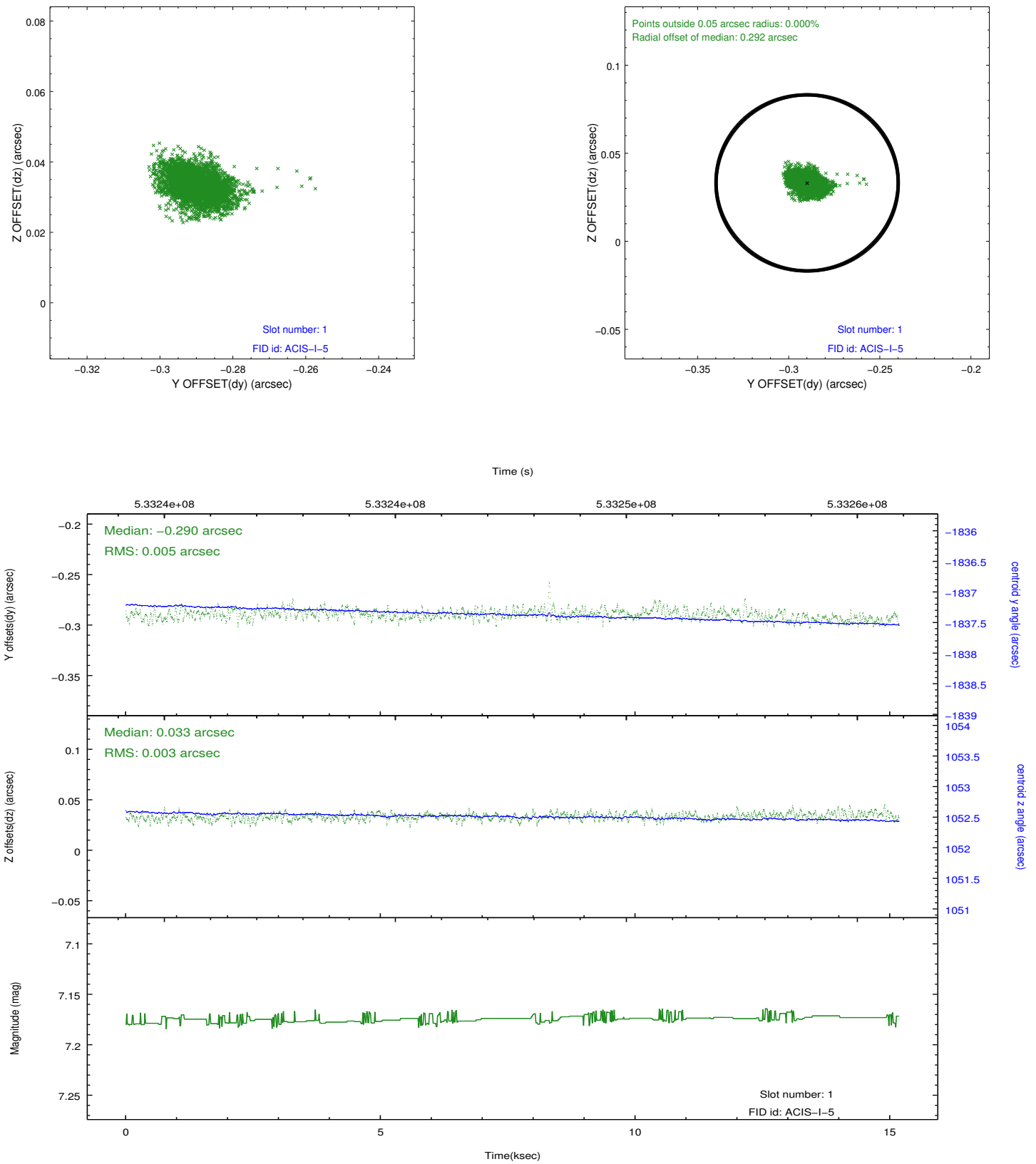


2.5 FID Slots

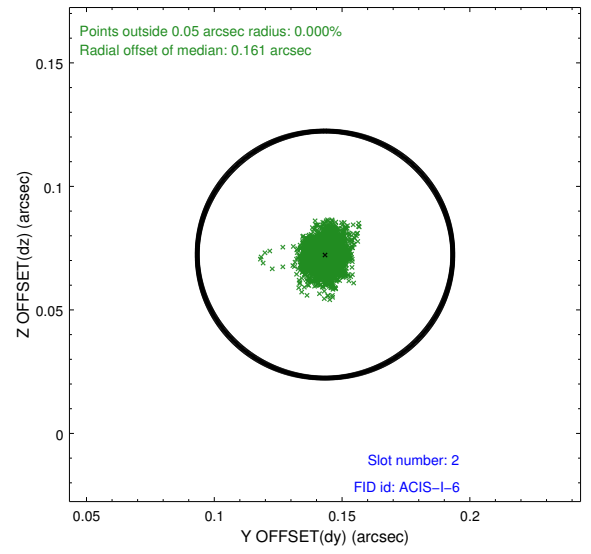
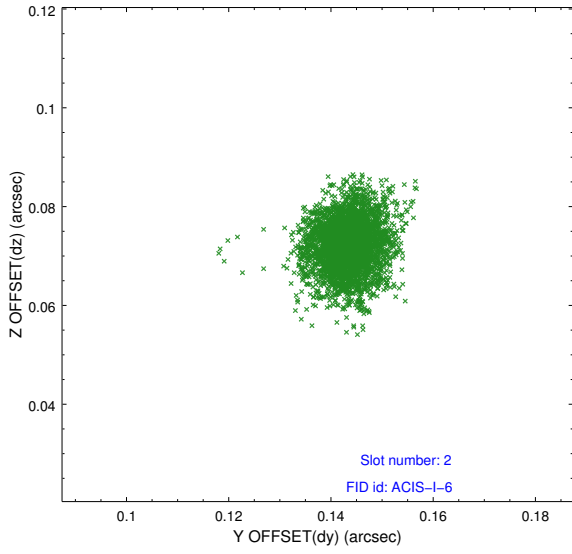
2.5.1 Slot 0



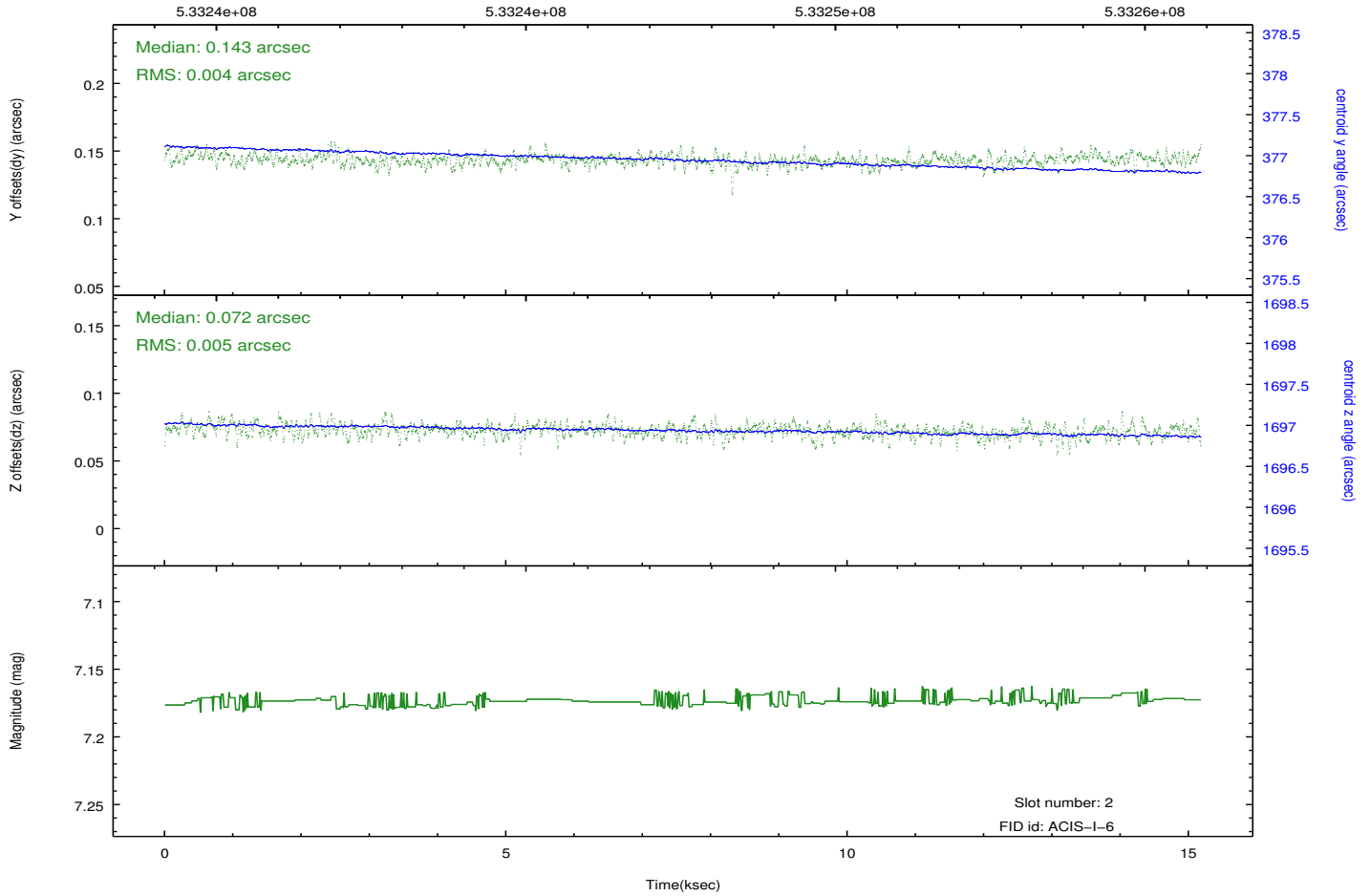
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.11.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.791716766596

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this star from the solution.