

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2865 - L2 Version 3
Chandra X-Ray Center

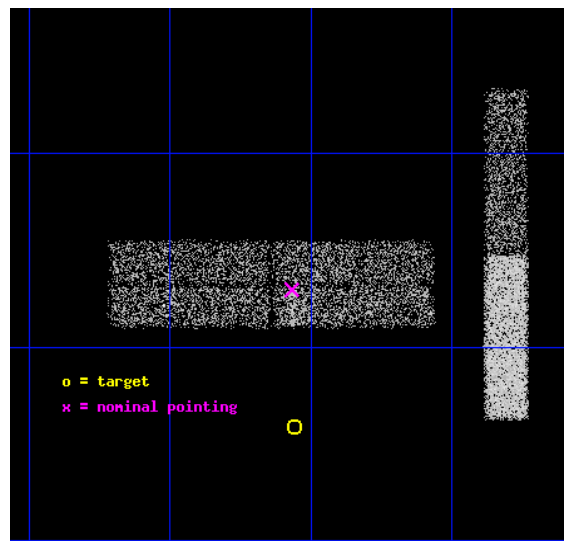
L2 Processing Date : Oct 4 2012

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1 Front

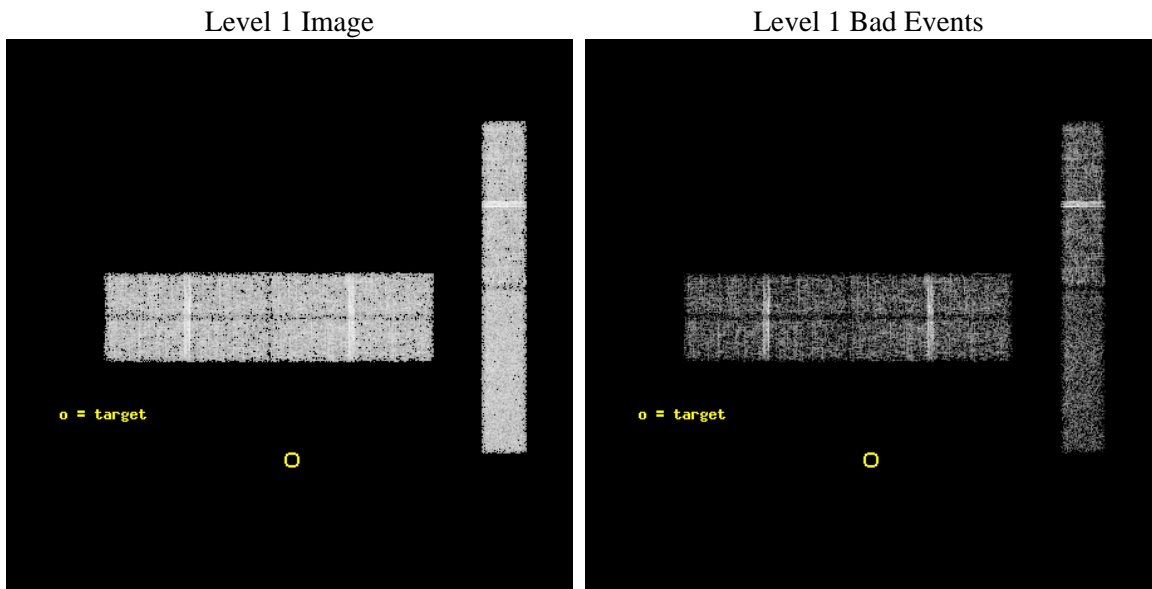
seq_num	590254	Sequence number
obs_id	2865	Observation id
title	AO3A CALIBRATION OBSERVATIONS THE STANDARD CANDLES CAS A AND G21.5-09	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip I3, T=120, outer nebula]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.39184392331	Nominal RA [deg]
dec_nom	-10.450864111781	Nominal Dec [deg]
roll_nom	90.002456738277	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10108.800025091	Sum of GTIs [s]
livetime	9774.5117241255	Livetime [s]
ontime0	10108.800025091	Sum of GTIs [s]
ontime1	10108.800025091	Sum of GTIs [s]
ontime2	10108.800025091	Sum of GTIs [s]
ontime3	10108.800025091	Sum of GTIs [s]
ontime6	10108.800025091	Sum of GTIs [s]
ontime7	10108.800025091	Sum of GTIs [s]
l2events	19578	Number of level 2 events



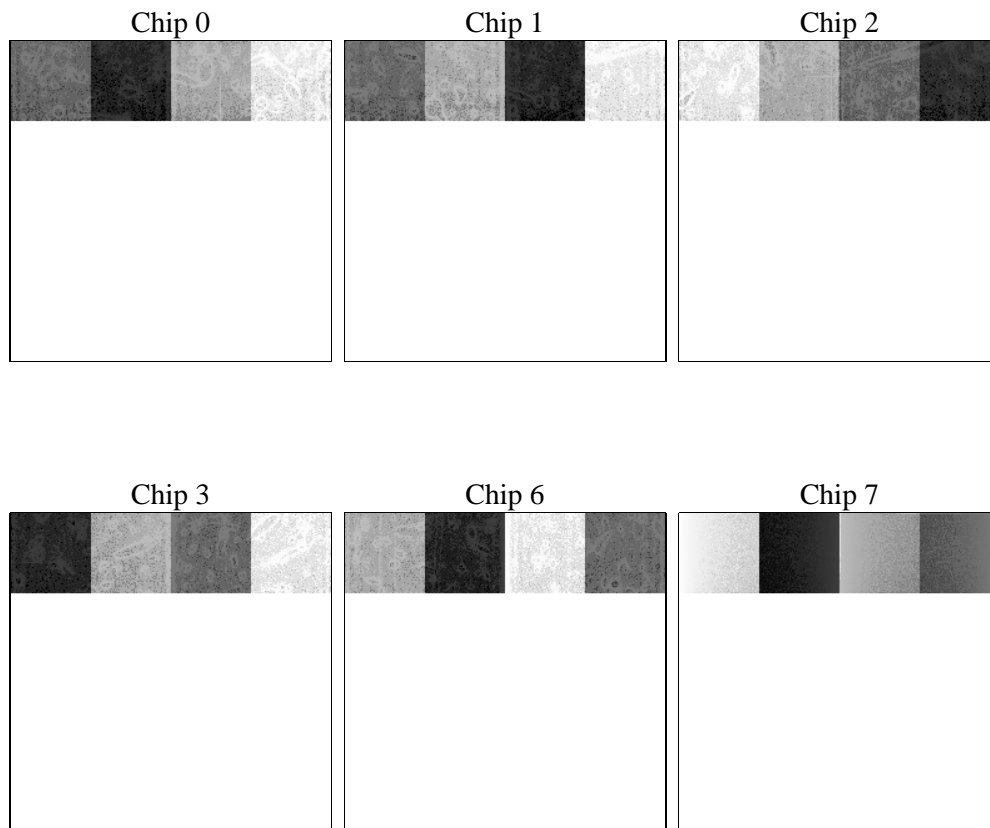
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	9600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10108.800025091	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	10108.800025091	Sum of GTIs [s]
date	2012-10-04T12:24:14	Date and time of file creation	ontime1	10108.800025091	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	10108.800025091	Sum of GTIs [s]
			ontime3	10108.800025091	Sum of GTIs [s]
			ontime6	10108.800025091	Sum of GTIs [s]
			ontime7	10108.800025091	Sum of GTIs [s]
			l1events	126076	Number of level 1 events

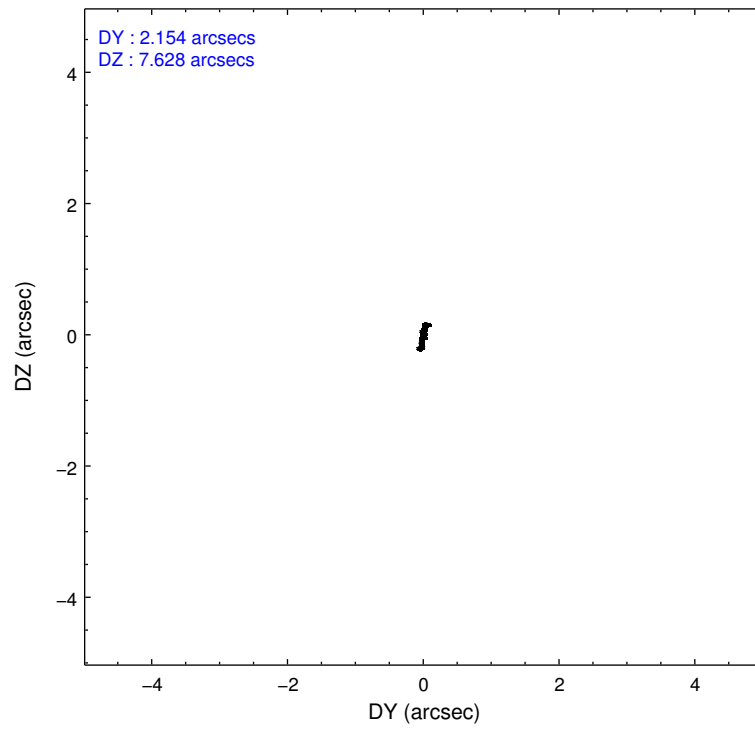
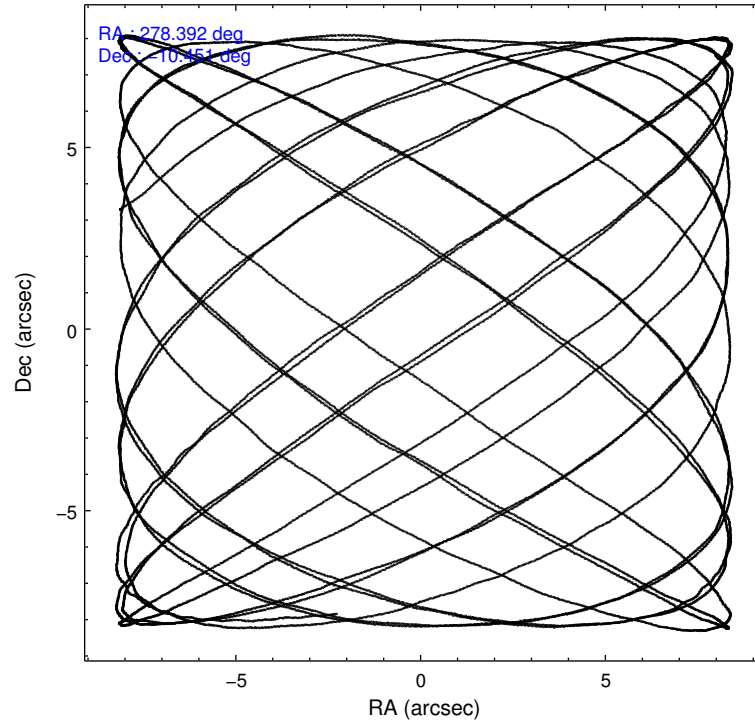
2.1.4 Events

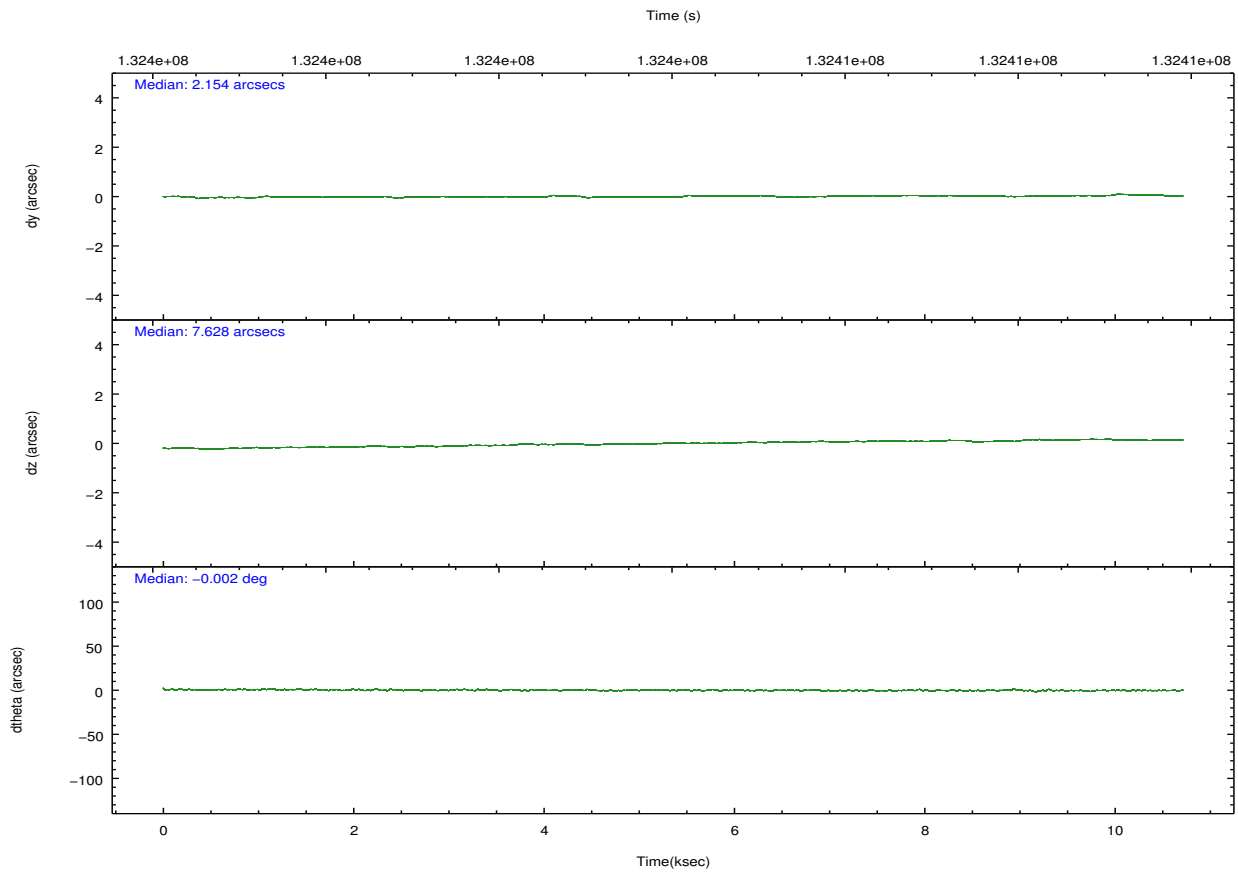
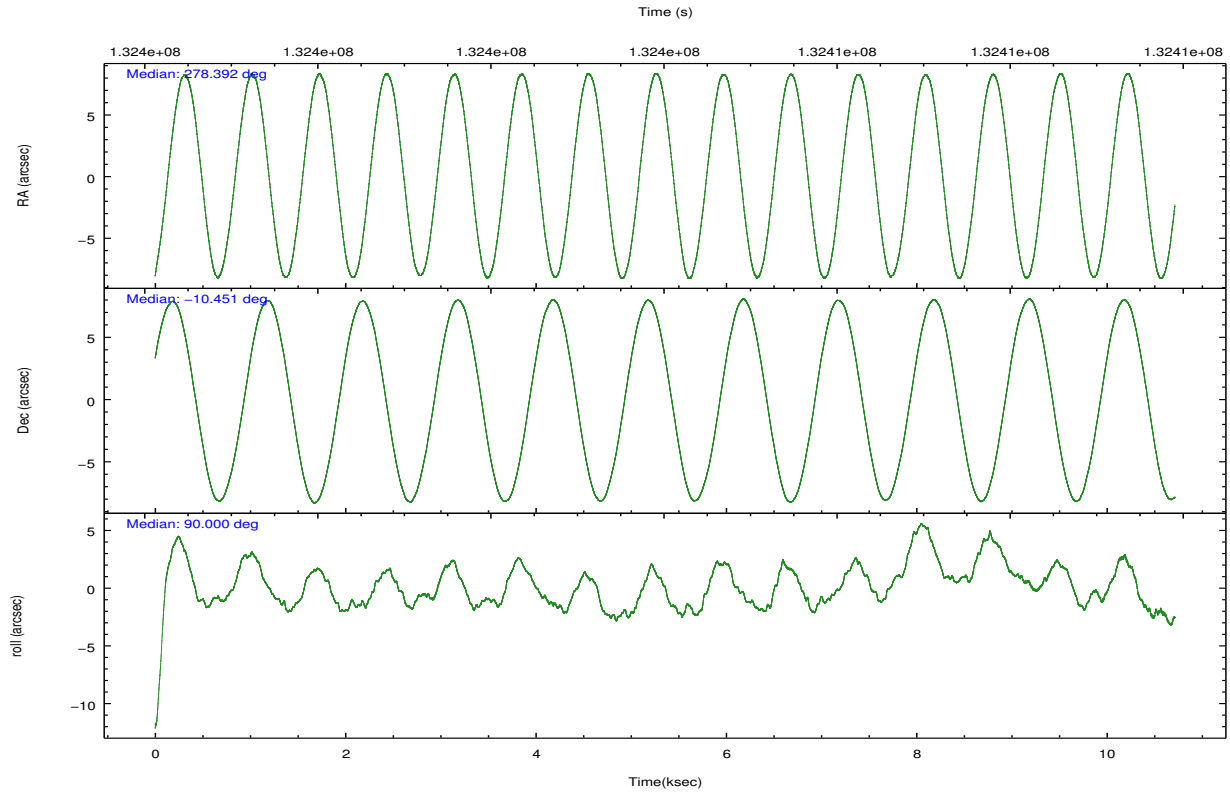
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	18740	19483	20726	20894	22949	23284	grade 0 events	984	959	1074	1169	894	950
rejected events	16388	17030	18202	18257	20555	13589		5%	4%	5%	5%	3%	4%
rejected %	87%	87%	87%	87%	89%	58%	grade 1 events	18	16	10	18	16	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	455	487	472	496	461	1924
								2%	2%	2%	2%	2%	8%
							grade 3 events	294	291	285	315	318	1019
								1%	1%	1%	1%	1%	4%
							grade 4 events	265	289	320	295	271	974
								1%	1%	1%	1%	1%	4%
							grade 5 events	666	745	670	753	856	2211
								3%	3%	3%	3%	3%	9%
							grade 6 events	354	427	373	362	450	4831
								1%	2%	1%	1%	1%	20%
							grade 7 events	15704	16269	17522	17486	19683	11333
								83%	83%	84%	83%	85%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	278.405857	278.3918439233096	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-10.474584	-10.45086411178111	Subarray start row	769	769
[deg] Pointing Roll	89.796313	90.00245673827658	Subarray row count	256	256
[s] Window start time (MET)	131328064.184000	131328064.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	133920064.184000	133920064.184000	[s] Primary exposure time	0.000000	1.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-232.092463	-232.0989598023052			
[mm] SIM translation stage offset	-1.5	-1.493493200624528			
[s] Observation start time (MET)	132399768.184000	132398342.51058			
Observation start date	2002-03-13T09:41:44	2002-03-13T09:19:02			
[s] Observation end time (MET)	132409368.184000	132410114.12356			
Observation end date	2002-03-13T12:21:44	2002-03-13T12:35:14			
Read mode	TIMED	TIMED			

2.3 Aspect



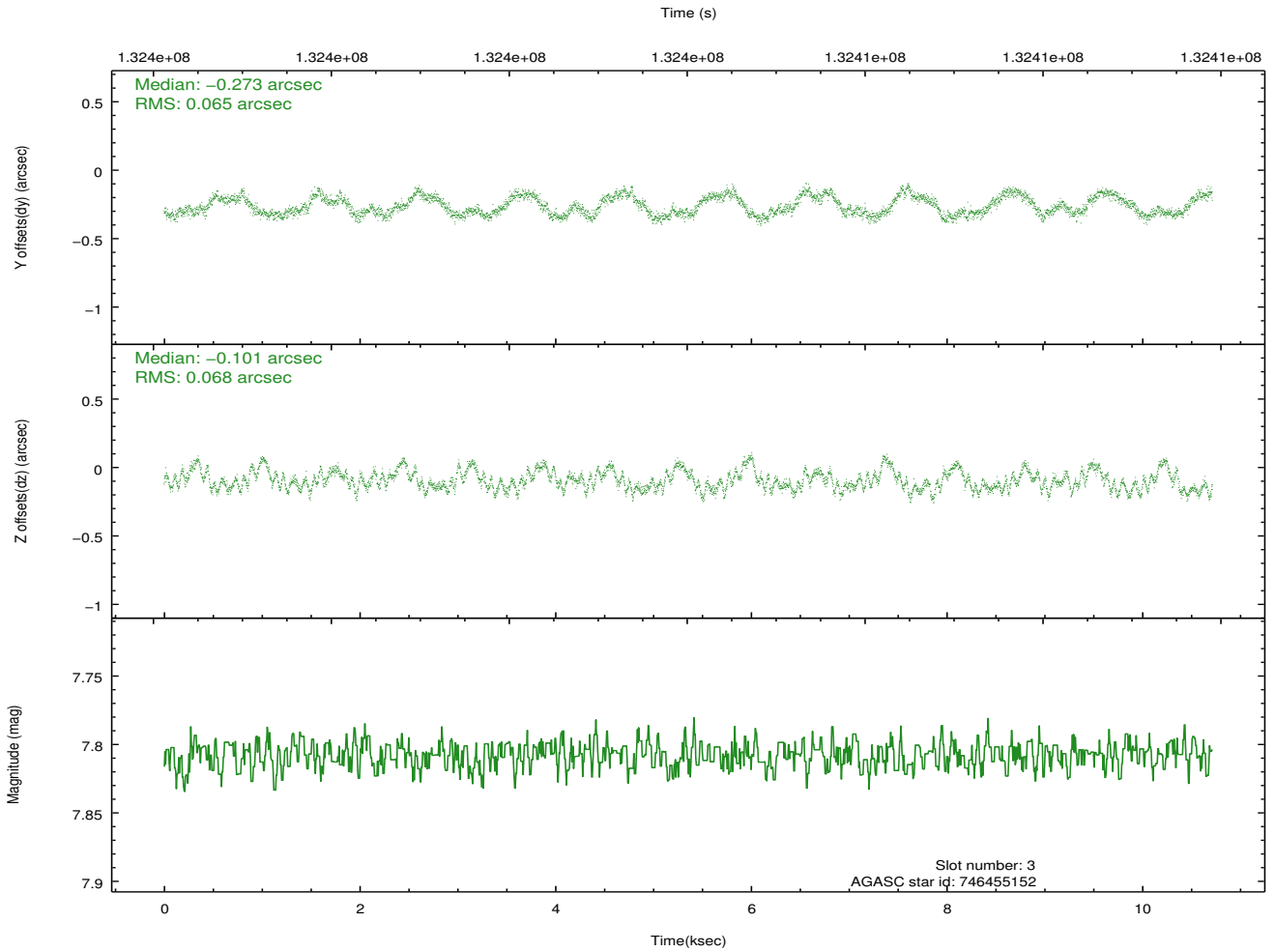
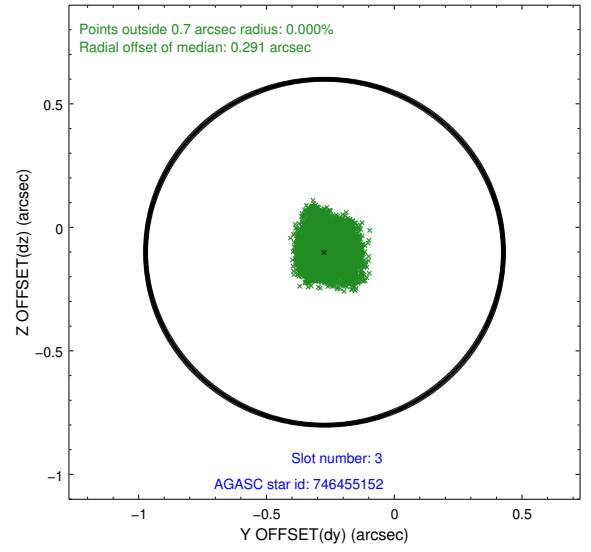
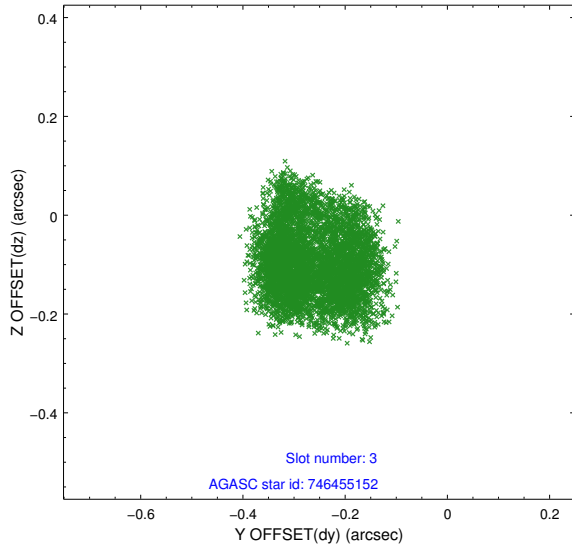


Slot Statistics

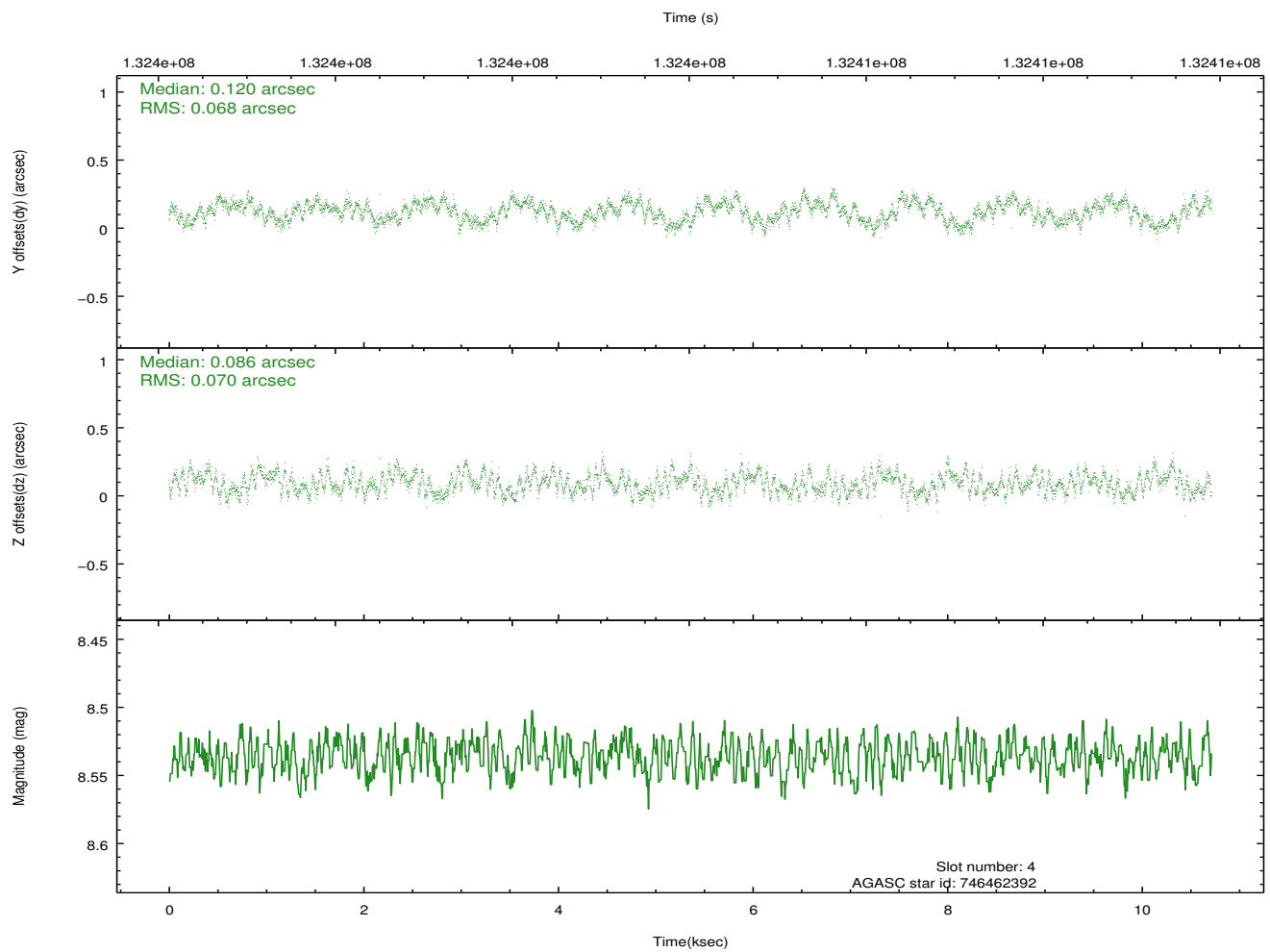
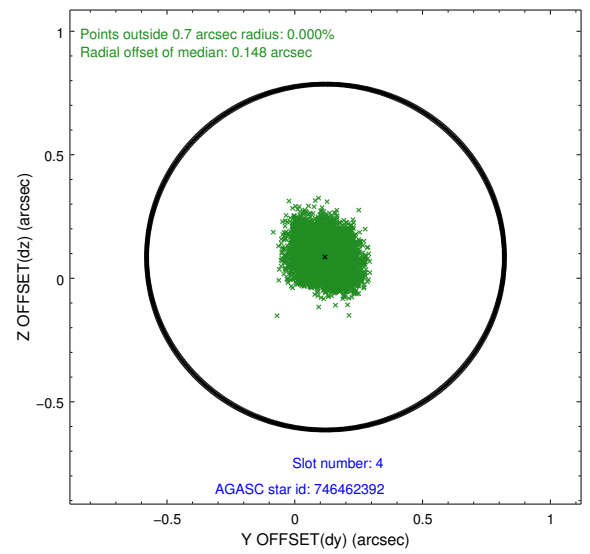
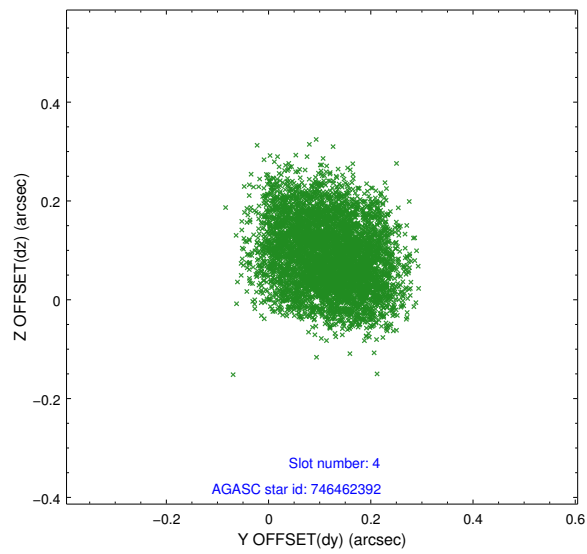
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2614	-0.015	0.089	0.007	0.014	0.000000	0.000000	937.61	-861.52
1	FID	ACIS-I-5	7.23	2614	-0.064	0.048	0.007	0.012	0.000000	0.000000	-1810.27	1035.69
2	FID	ACIS-I-6	7.25	2614	-0.012	-0.067	0.007	0.012	0.000000	0.000000	402.65	1680.62
3	GUIDE	746455152	7.81	5227	-0.273	-0.101	0.104	0.149	278.447893	-9.976732	1792.86	-143.17
4	GUIDE	746462392	8.54	5225	0.120	0.086	0.107	0.159	279.038421	-10.890715	-1491.98	-2242.34
5	GUIDE	746455112	8.93	5225	0.129	-0.048	0.111	0.171	278.266531	-10.703234	-824.78	488.81
6	GUIDE	746460328	9.77	5221	-0.092	-0.032	0.322	0.461	278.603974	-9.898096	2077.55	-695.57
7	GUIDE	746461728	9.77	5225	0.135	0.092	0.134	0.216	278.986921	-10.530755	-195.85	-2057.83

2.4 Star Slots

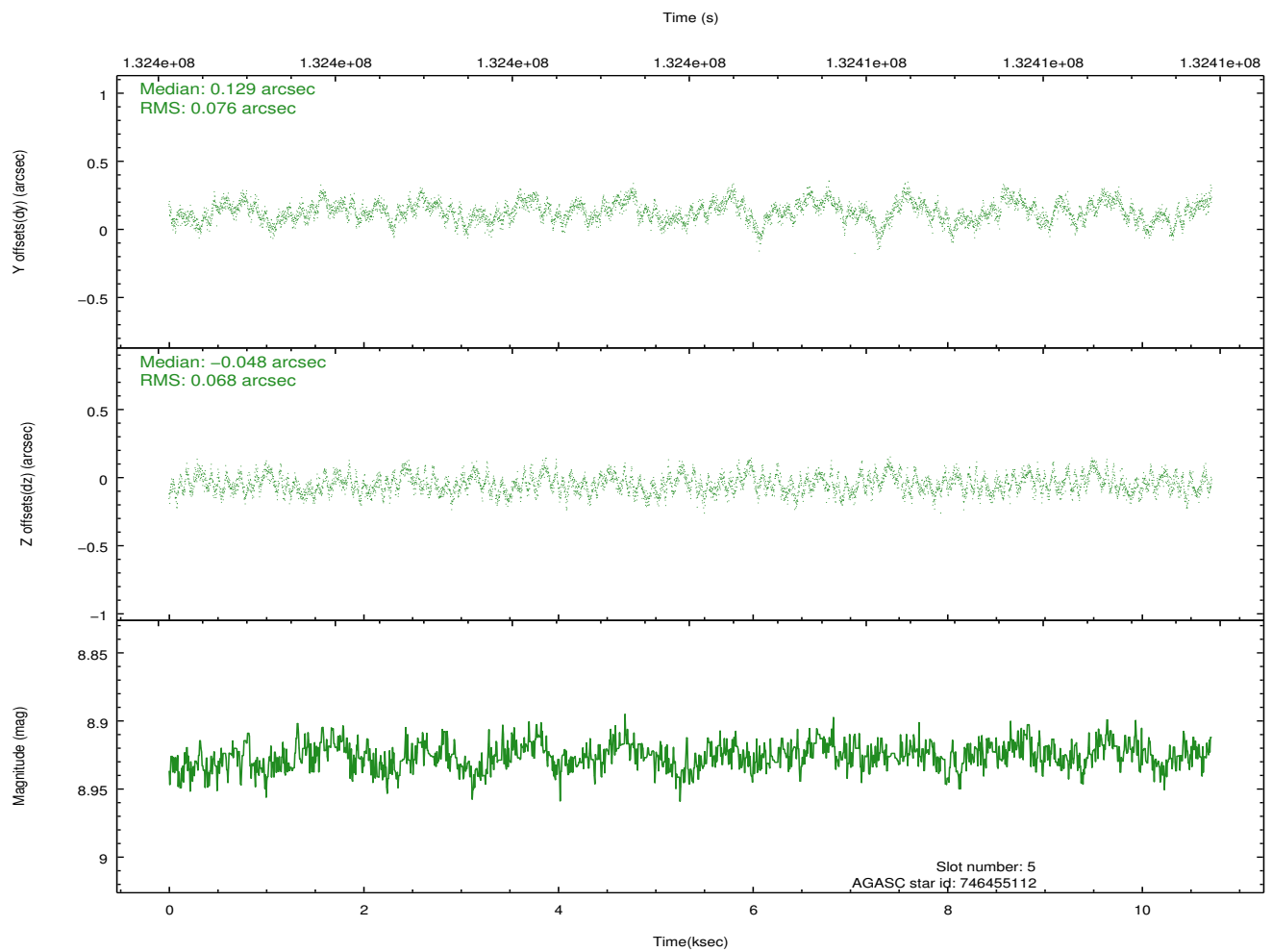
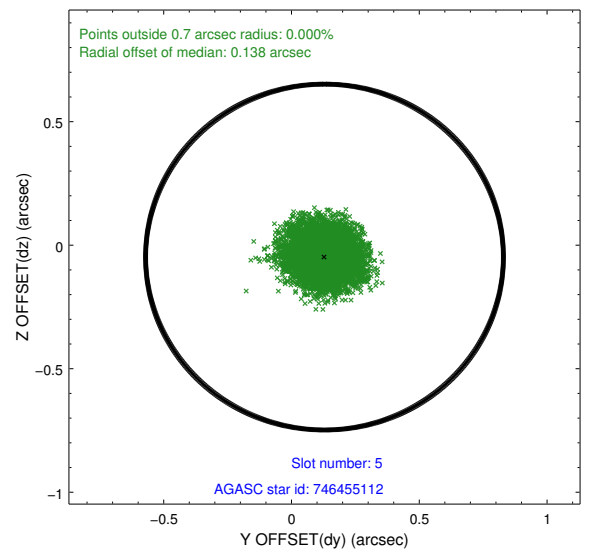
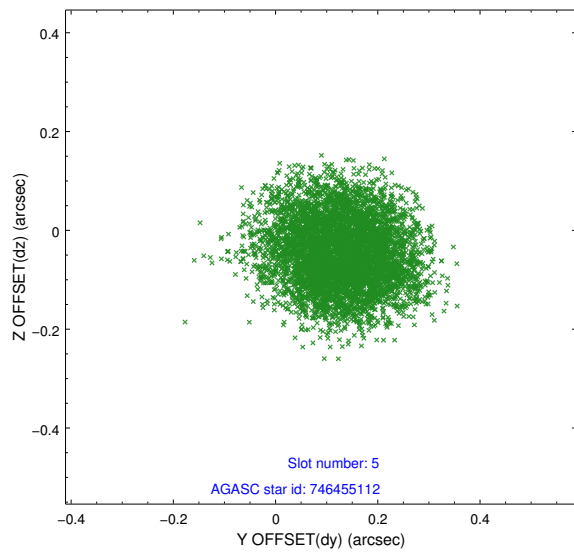
2.4.1 Slot 3



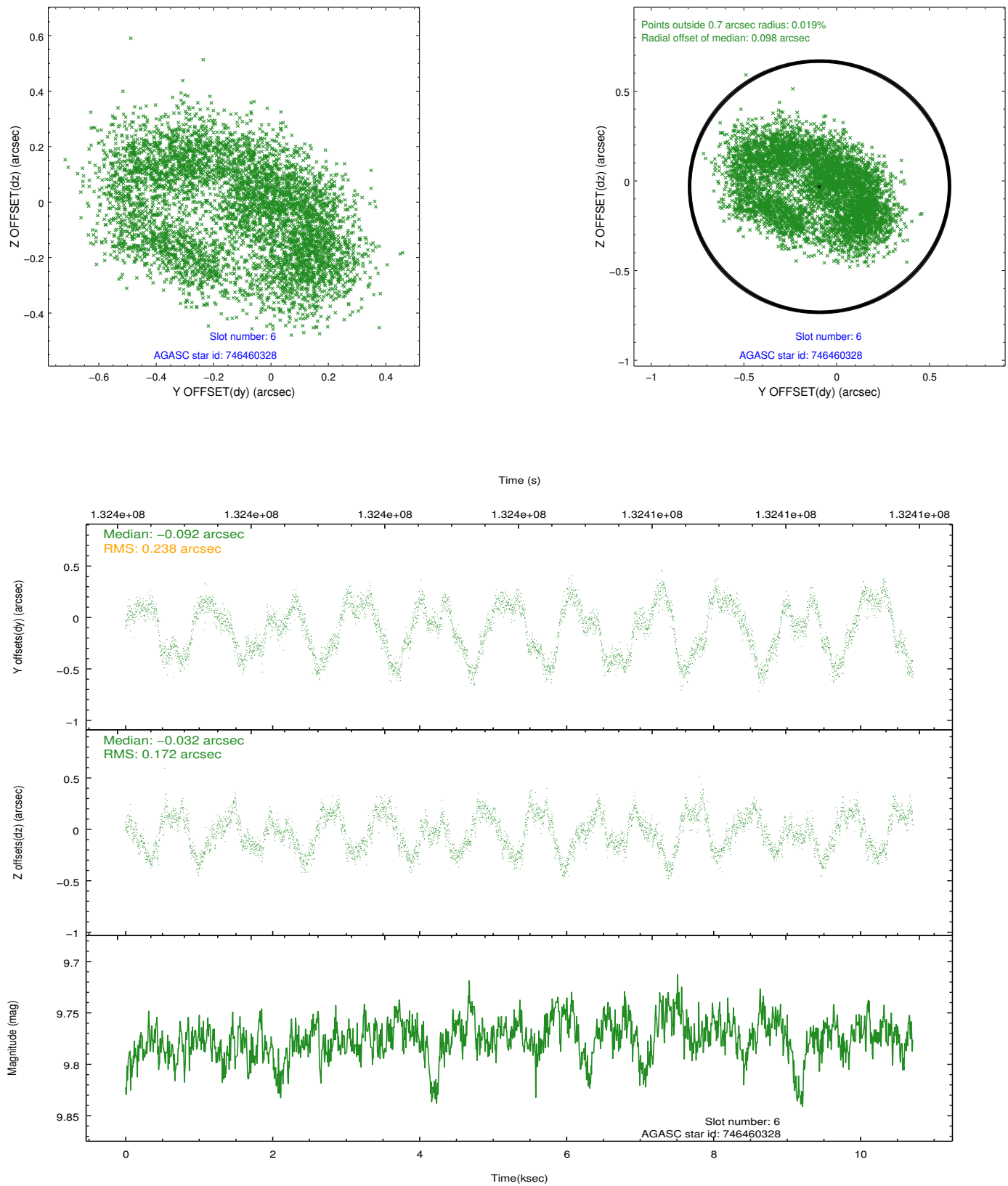
2.4.2 Slot 4



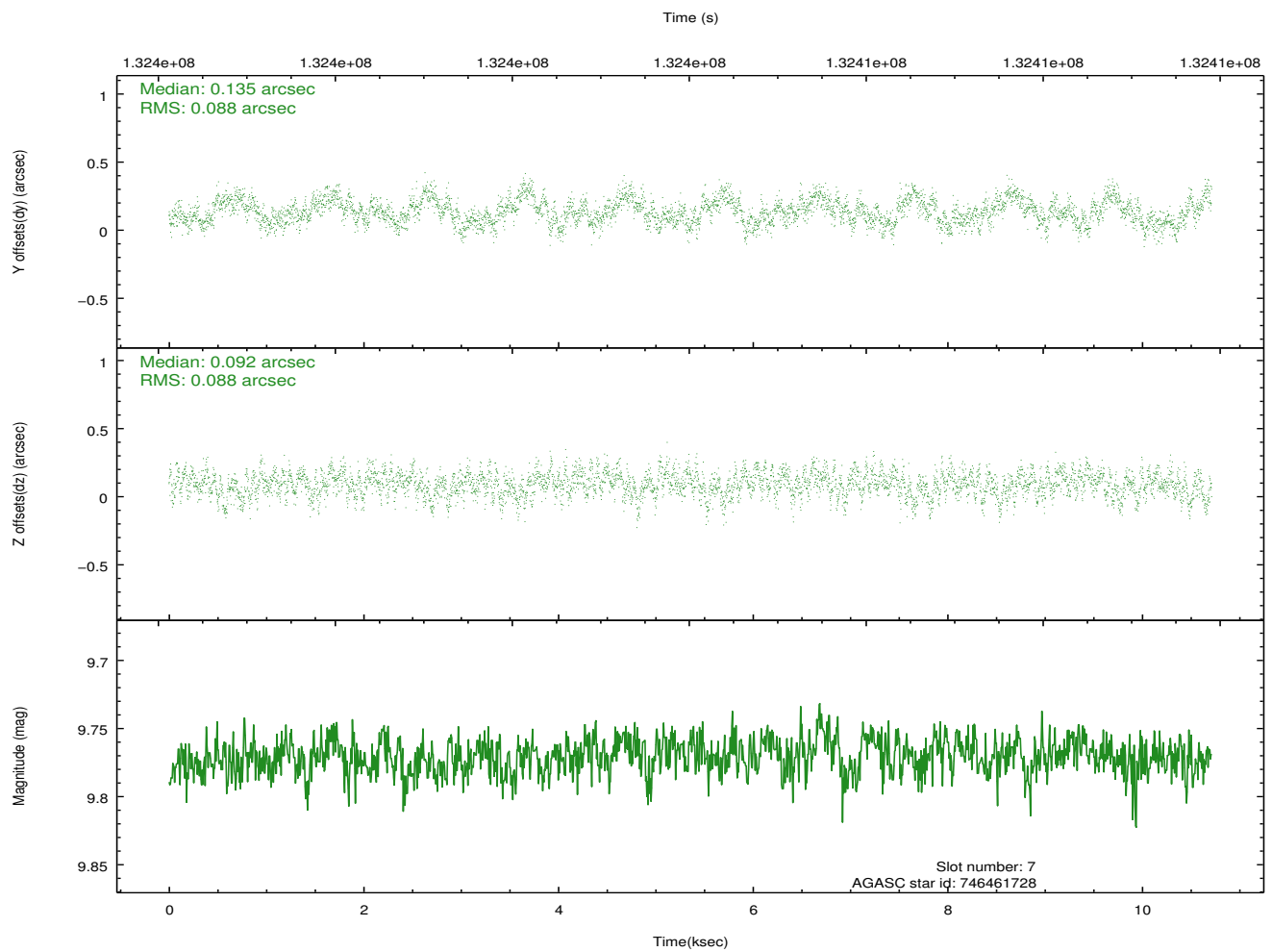
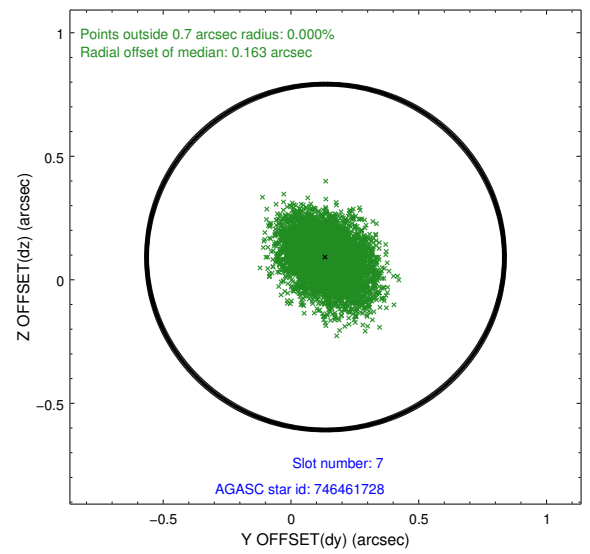
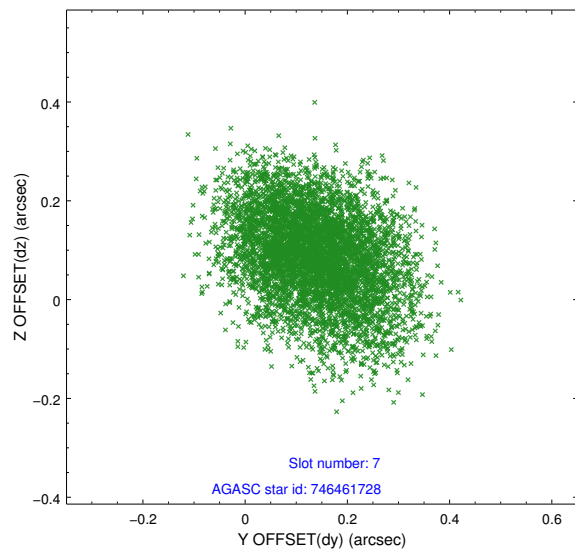
2.4.3 Slot 5



2.4.4 Slot 6

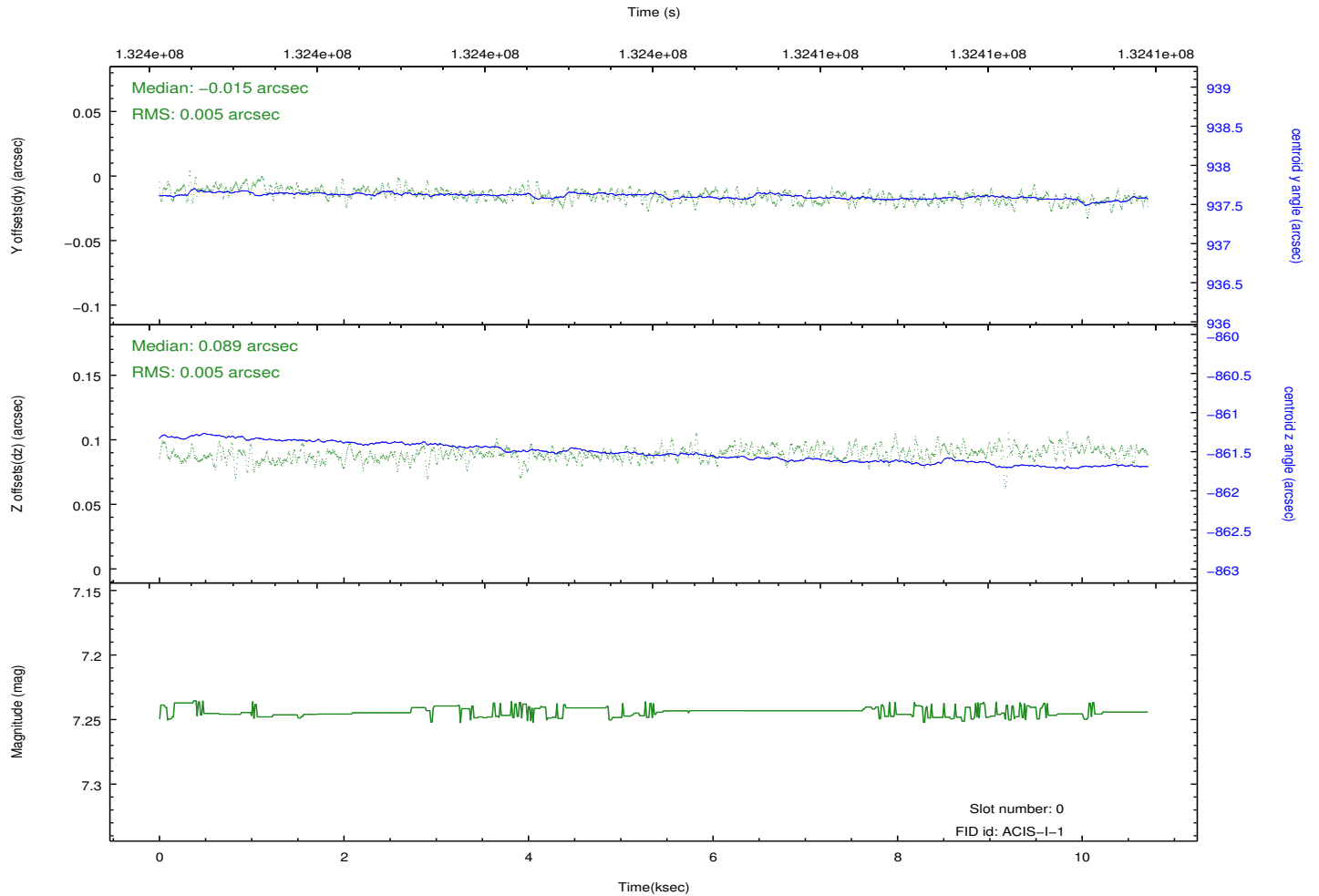
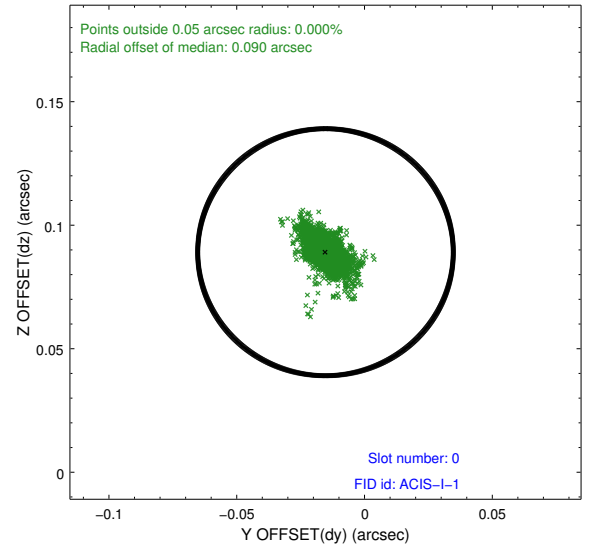
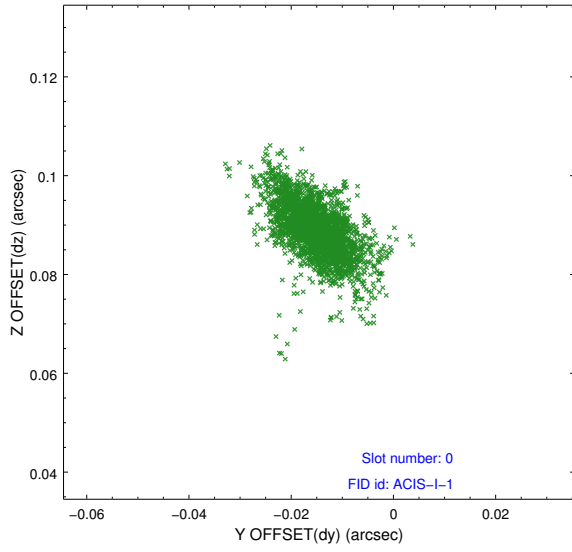


2.4.5 Slot 7

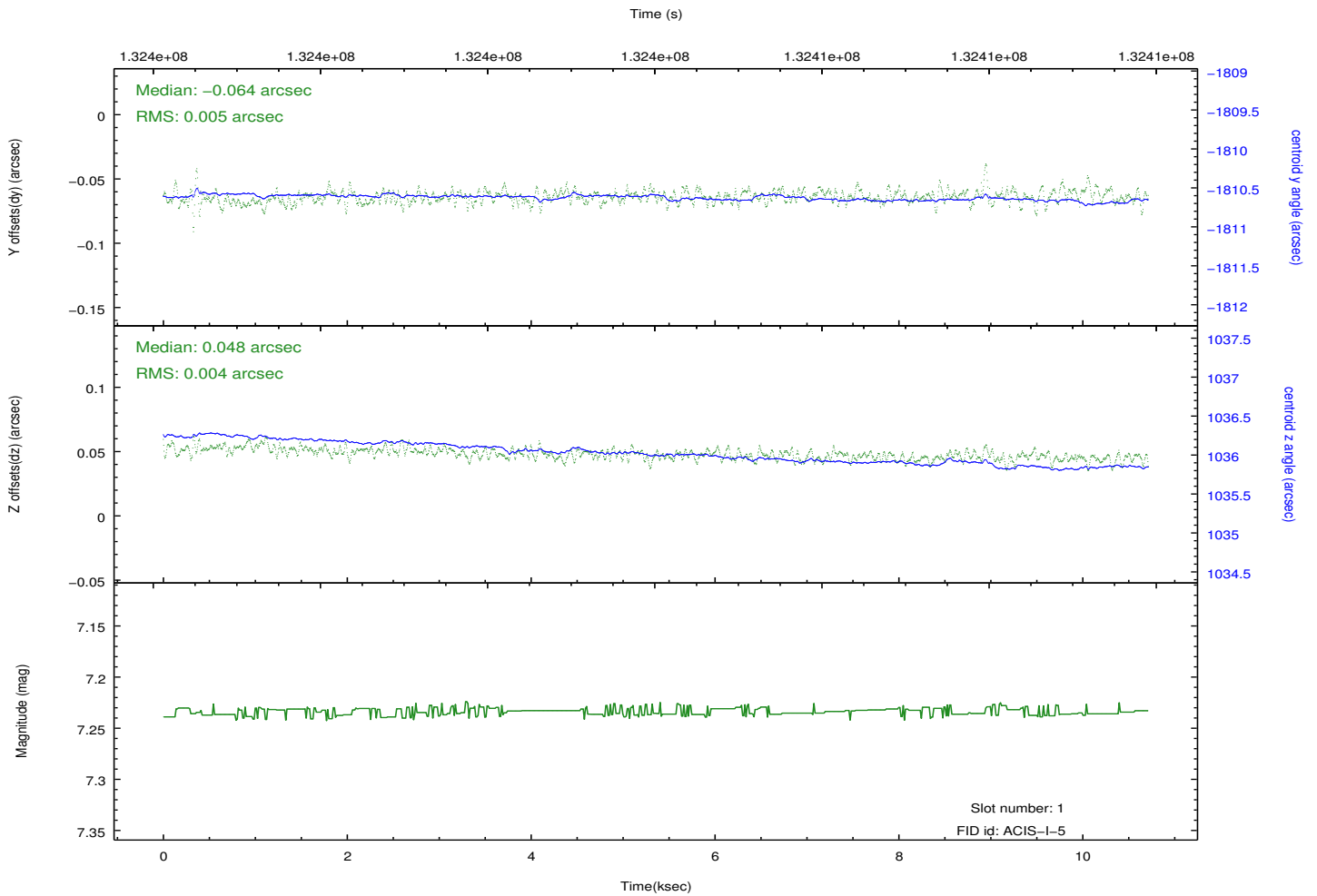
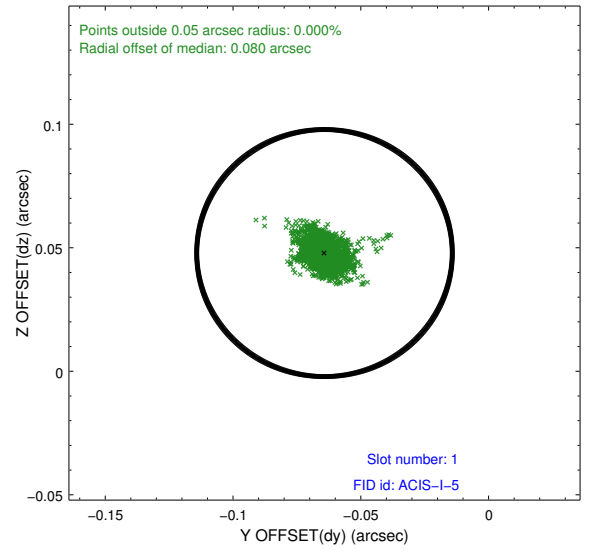
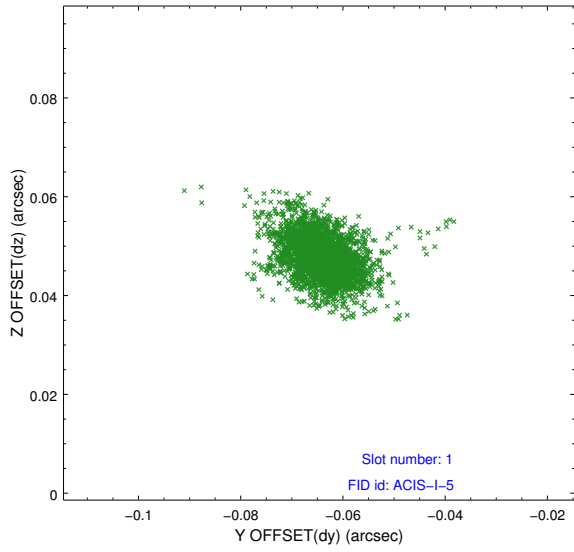


2.5 FID Slots

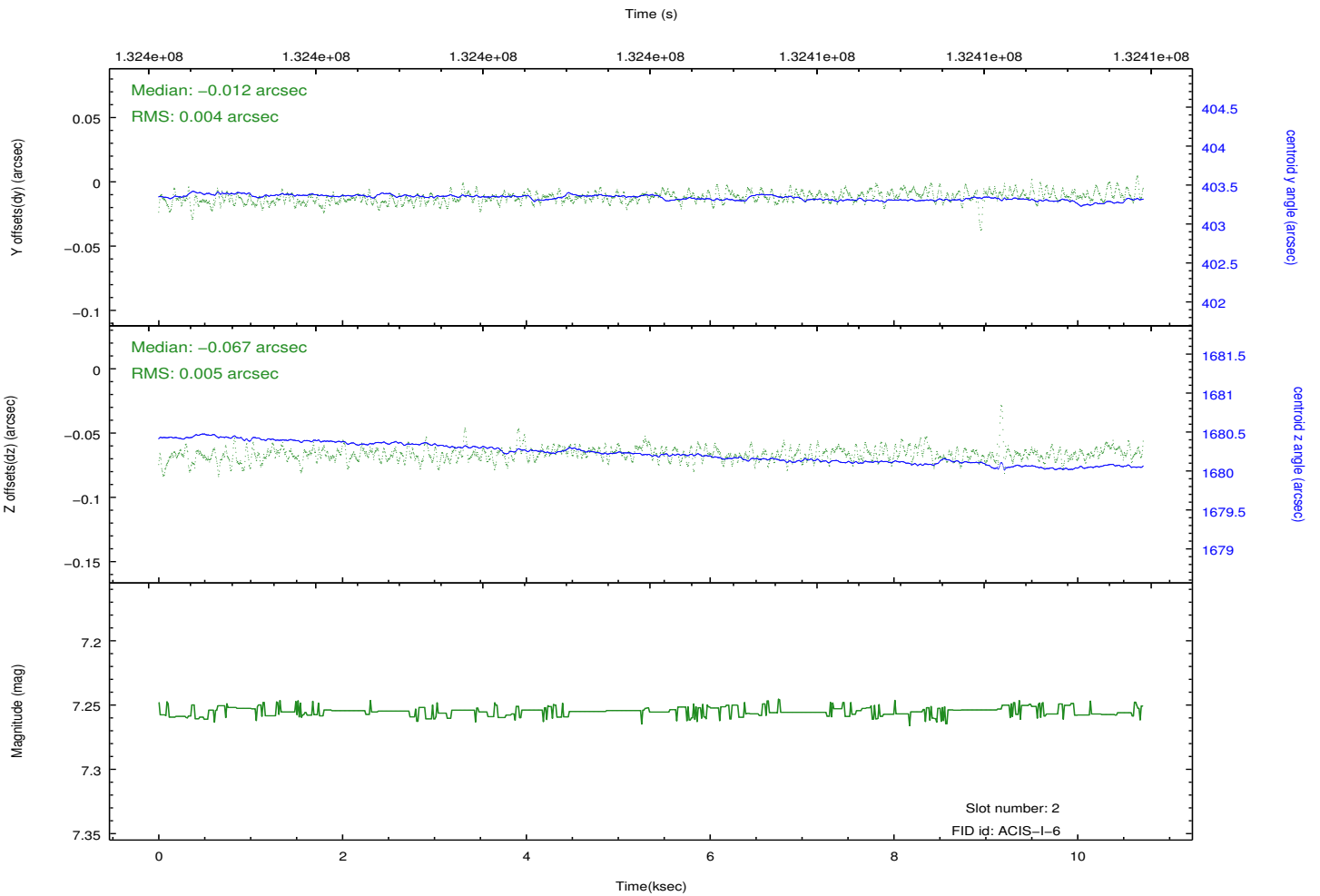
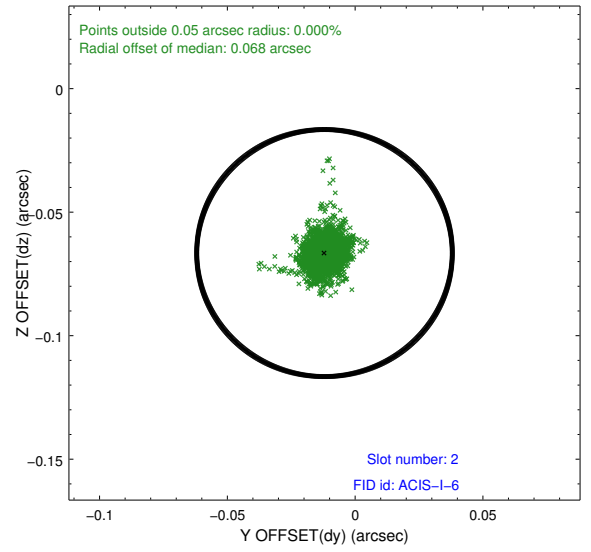
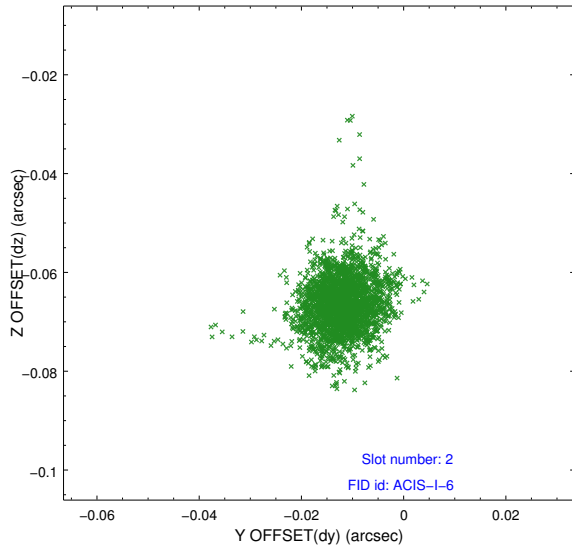
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.11

A.2 Comments

Window preference met.