

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6740 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Mar 26 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

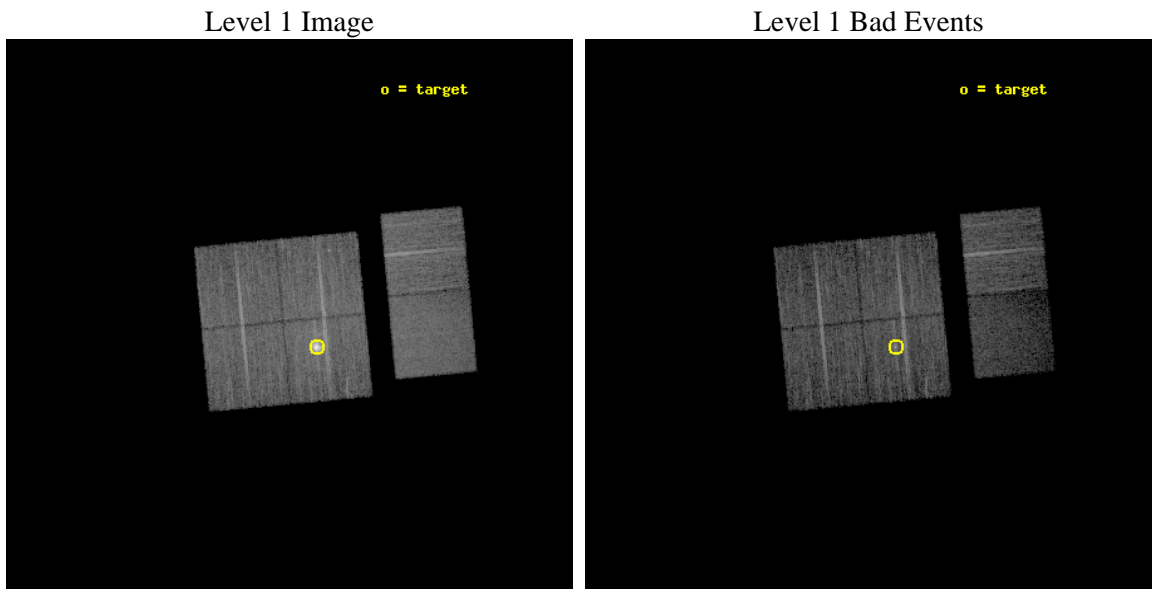
seq_num	590423	Sequence number
obs_id	6740	Observation id
title	AO7 Observations of the Standard Candles Cas A and G21.5-09	Propos
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-09[I3,-120,-2.5,2.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.43813854079	Nominal RA [deg]
dec_nom	-10.527034671008	Nominal Dec [deg]
roll_nom	84.616843599584	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9956.8821662366	Sum of GTIs [s]
livetime	9830.8021289331	Livetime [s]
ontime0	9953.518056035	Sum of GTIs [s]
ontime1	9956.80008623	Sum of GTIs [s]
ontime2	9956.8411262333	Sum of GTIs [s]
ontime3	9956.8821662366	Sum of GTIs [s]
ontime6	9956.9642462432	Sum of GTIs [s]
ontime7	9956.9232062399	Sum of GTIs [s]
l2events	86908	Number of level 2 events



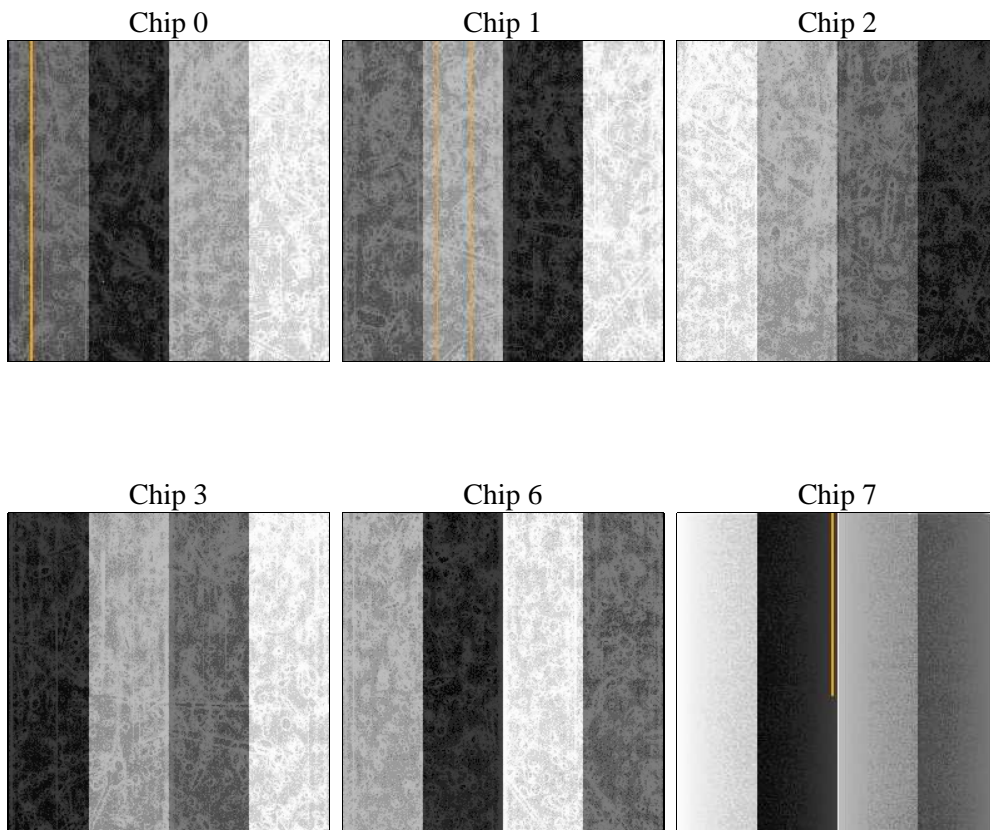
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	9956.8821662366	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	9953.518056035	Sum of GTIs [s]
date	2012-03-26T06:17:32	Date and time of file creation	ontime1	9956.80008623	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	9956.8411262333	Sum of GTIs [s]
			ontime3	9956.8821662366	Sum of GTIs [s]
			ontime6	9956.9642462432	Sum of GTIs [s]
			ontime7	9956.9232062399	Sum of GTIs [s]
			l1events	422002	Number of level 1 events

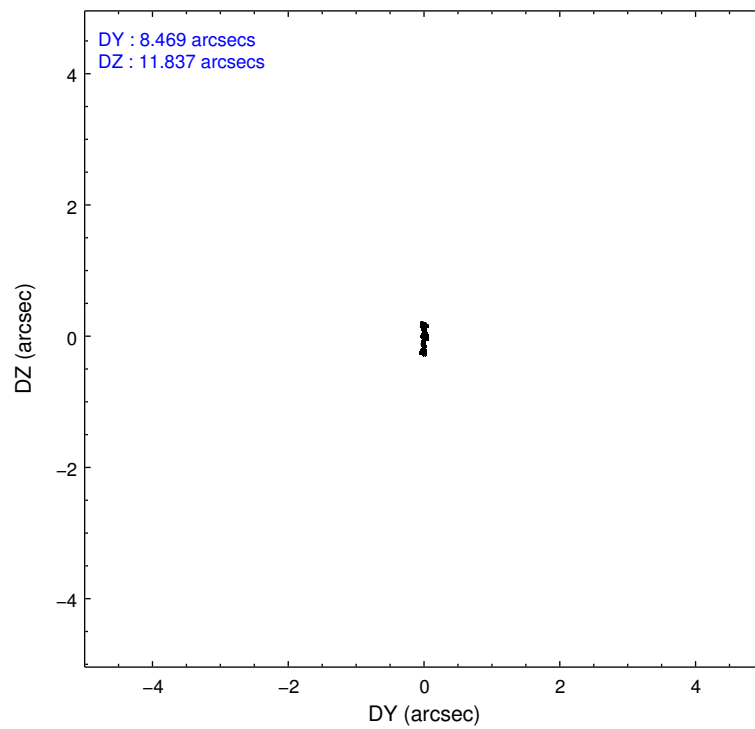
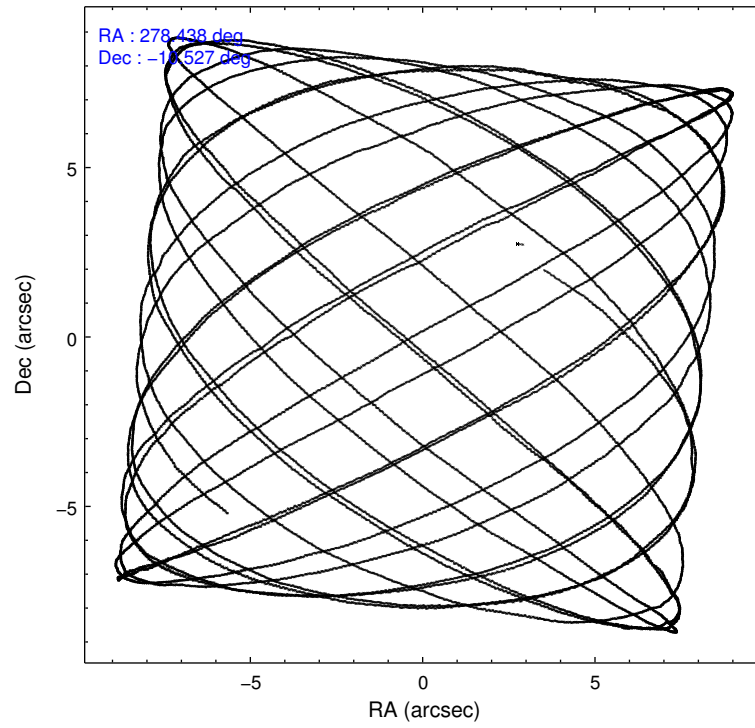
2.1.4 Events

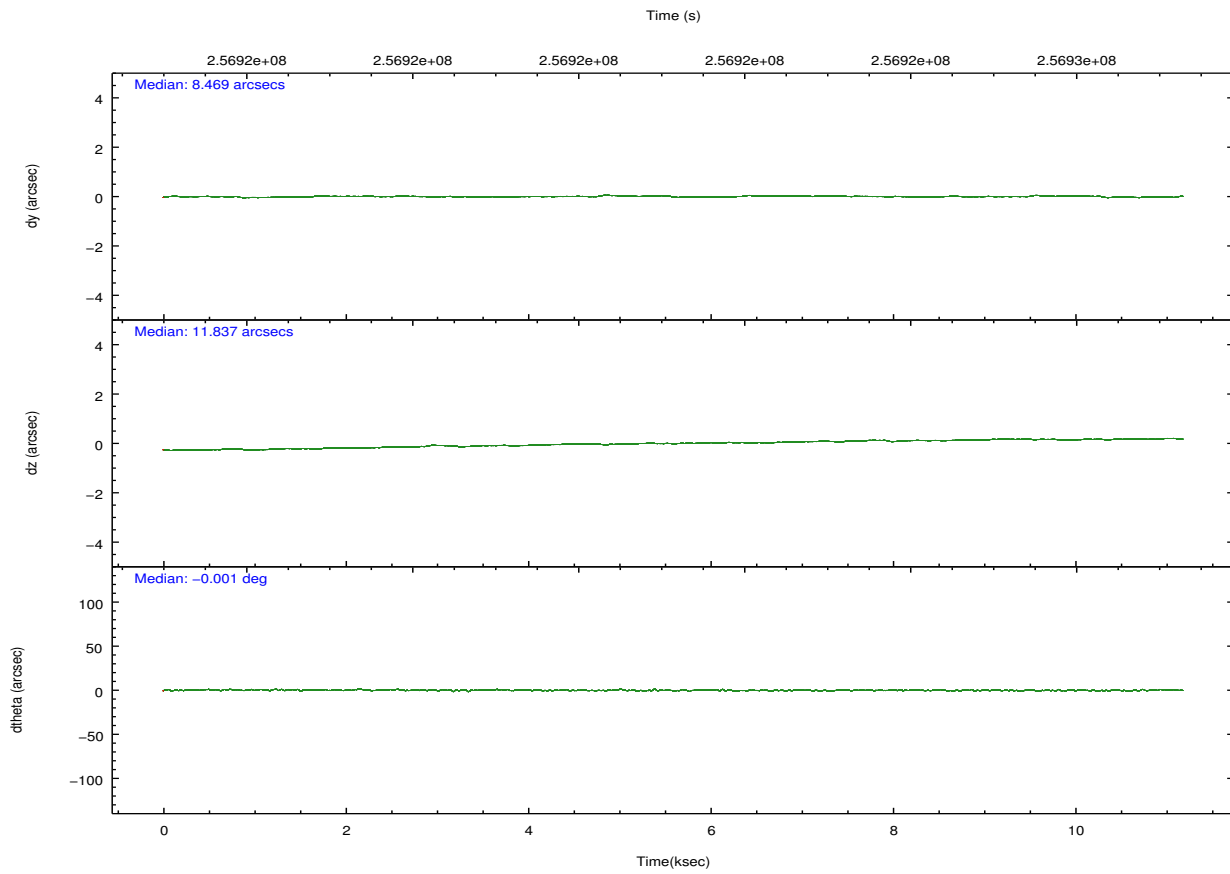
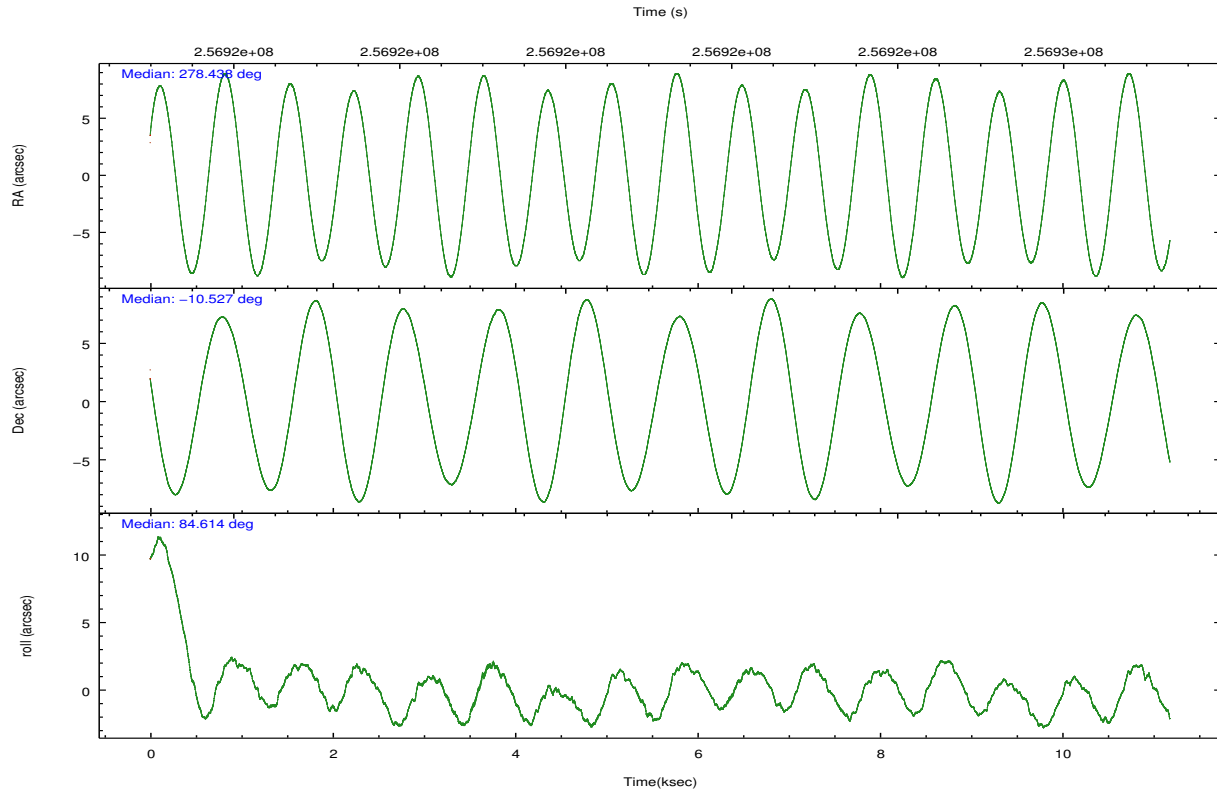
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	62107	61588	71421	97854	66394	62638	grade 0 events	2623	2764	3453	24287	2668	3056
rejected events	55329	54234	63836	62165	59448	31379		4%	4%	4%	24%	4%	4%
rejected %	89%	88%	89%	63%	89%	50%	grade 1 events	35	33	49	298	38	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	1554	1522	1664	5031	1448	6633
								2%	2%	2%	5%	2%	10%
							grade 3 events	732	829	681	1979	786	3023
								1%	1%	0%	2%	1%	4%
							grade 4 events	716	829	701	1925	684	2989
								1%	1%	0%	1%	1%	4%
							grade 5 events	1907	2189	1725	2377	2238	6531
								3%	3%	2%	2%	3%	10%
							grade 6 events	1161	1415	1094	2497	1363	15578
								1%	2%	1%	2%	2%	24%
							grade 7 events	53379	52007	62054	59460	57169	24767
								85%	84%	86%	60%	86%	39%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	278.449840	278.4381385407887	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.551895	-10.52703467100827	Alternating exposures requested	N	N
[deg] Pointing Roll	84.410305	84.6168435995841	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	255139265.184000	255139265.184000			
[s] Window stop time (MET)	270604865.184000	270604865.184000			
[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)	256916726.184000	256915269.53506			
Observation start date	2006-02-21T13:44:21	2006-02-21T13:21:09			
[s] Observation end time (MET)	256926726.184000	256927195.41062			
Observation end date	2006-02-21T16:31:01	2006-02-21T16:39:55			
Read mode	TIMED	TIMED			

2.3 Aspect





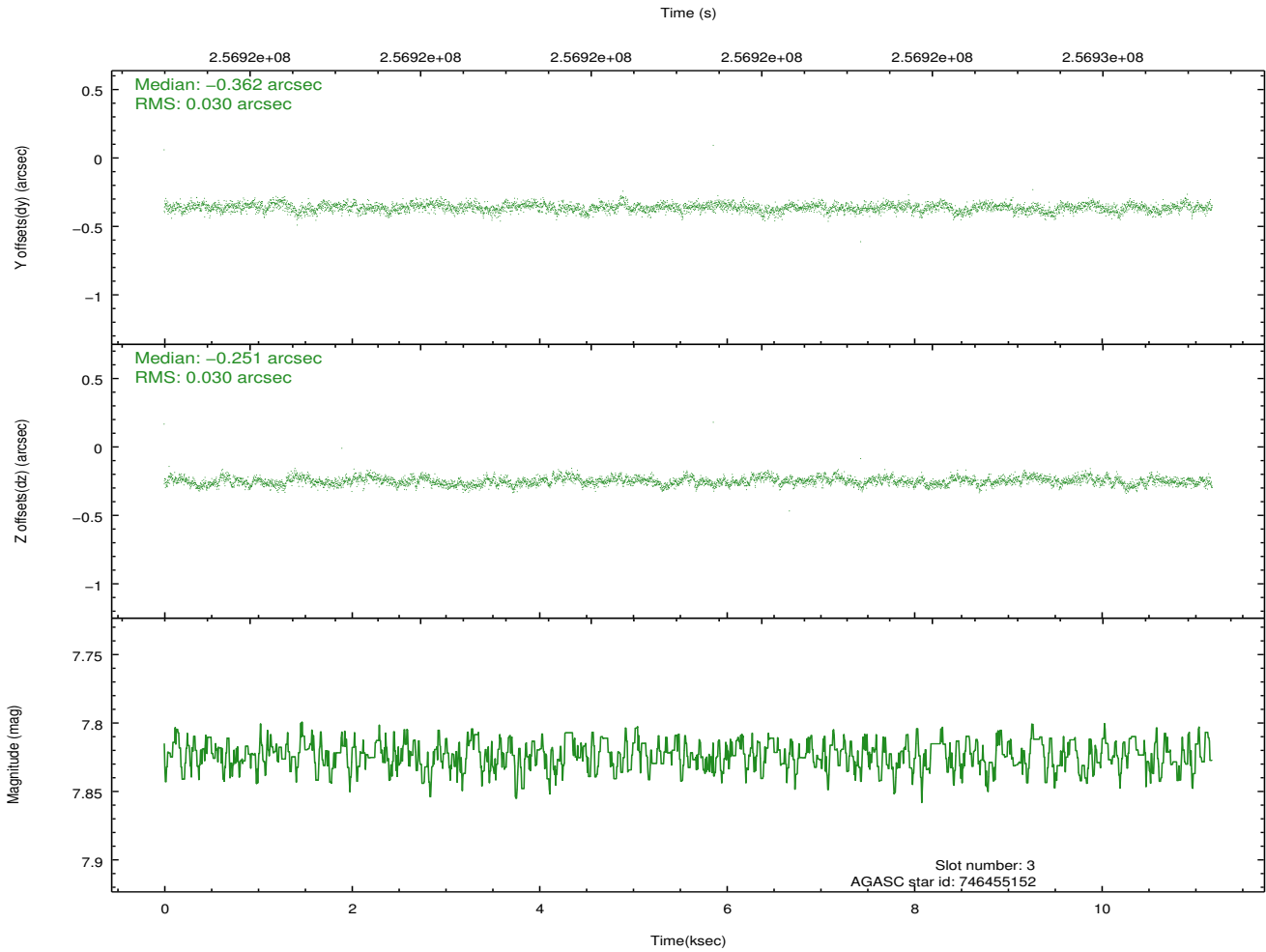
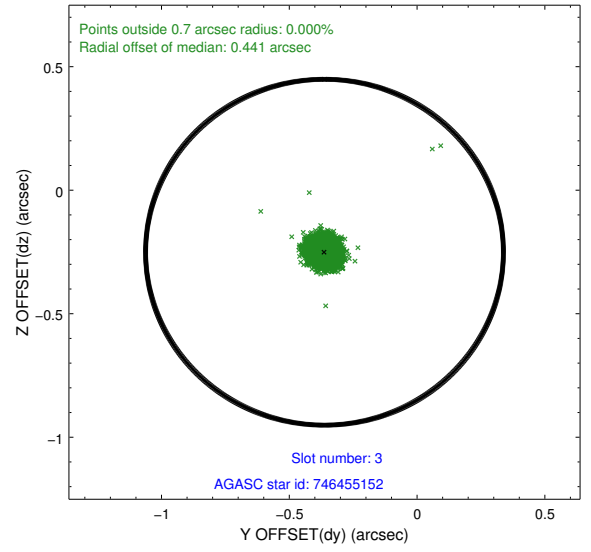
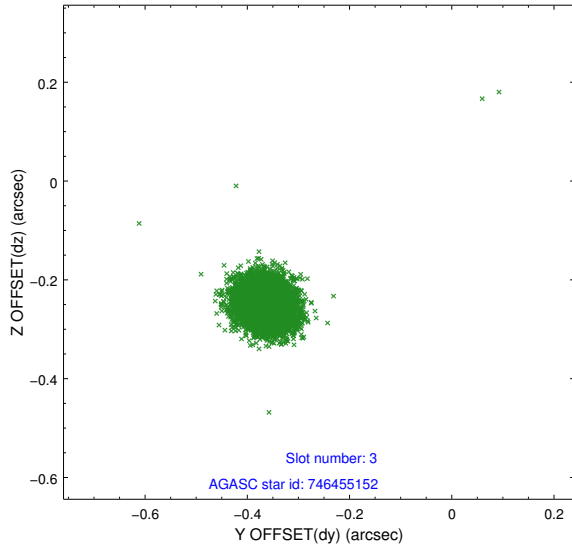
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	2728	0.057	-0.020	0.007	0.012	0.000000	0.000000	931.21	-835.38
1	FID	ACIS-I-5	7.22	2728	-0.180	0.071	0.006	0.011	0.000000	0.000000	-1816.84	1062.04
2	FID	ACIS-I-6	7.25	2728	0.031	0.019	0.008	0.013	0.000000	0.000000	396.29	1706.95
3	GUIDE	746455152	7.82	5455	-0.362	-0.251	0.043	0.071	278.447893	-9.976732	2060.14	208.66
4	GUIDE	746460272	8.93	5449	-0.108	0.098	0.077	0.127	278.847488	-10.152127	1569.49	-1261.90
5	GUIDE	746462392	8.53	5454	0.149	0.083	0.086	0.131	279.038421	-10.890715	-1013.40	-2190.73
6	GUIDE	746462456	8.38	5454	0.082	-0.021	0.057	0.093	278.652171	-10.530173	146.92	-705.56
7	GUIDE	746462680	9.01	5451	0.237	0.085	0.092	0.153	278.660755	-10.782756	-753.99	-823.17

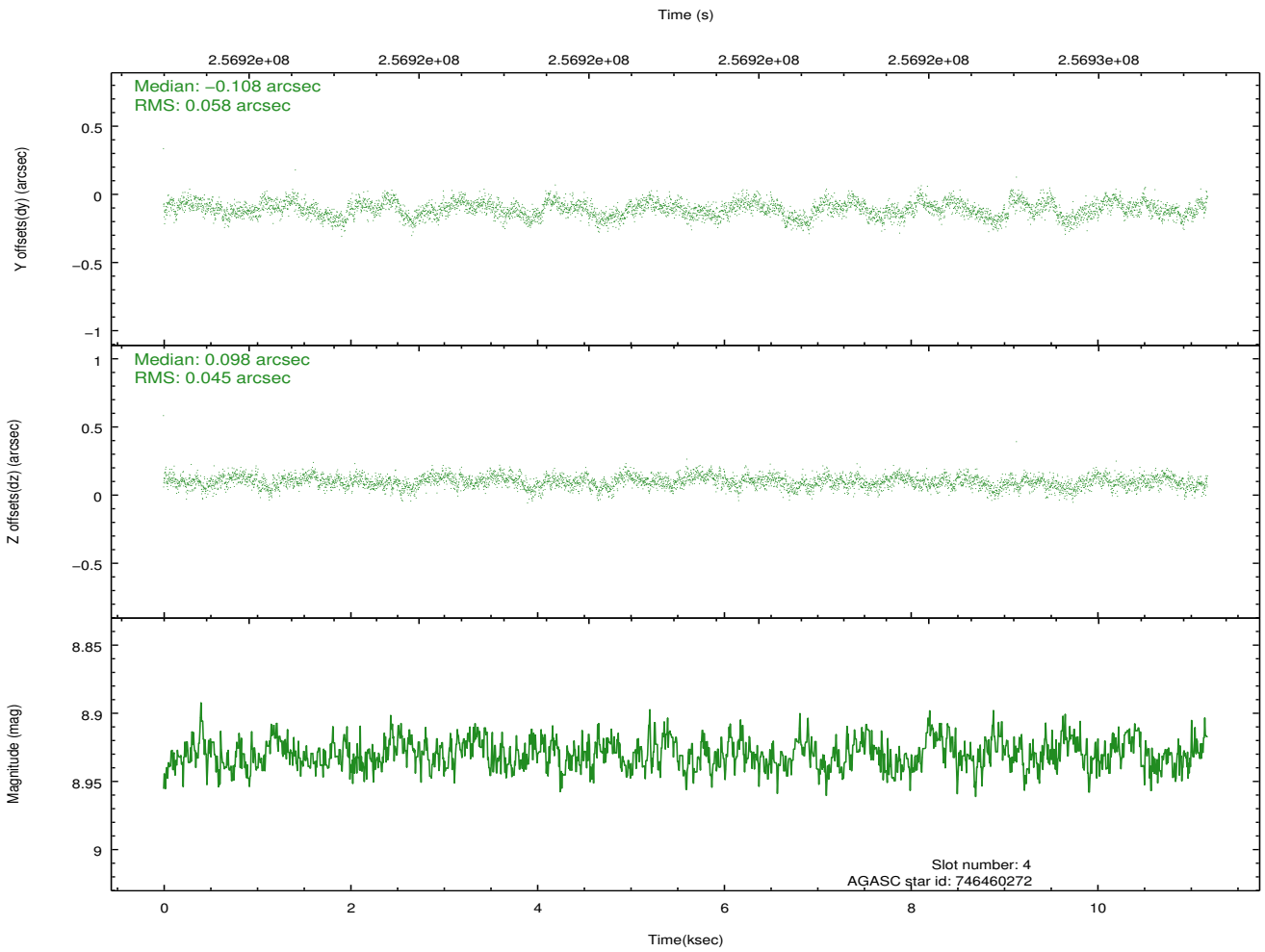
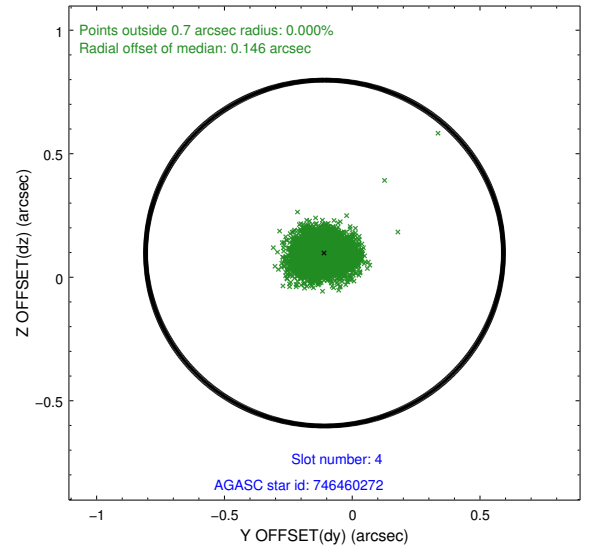
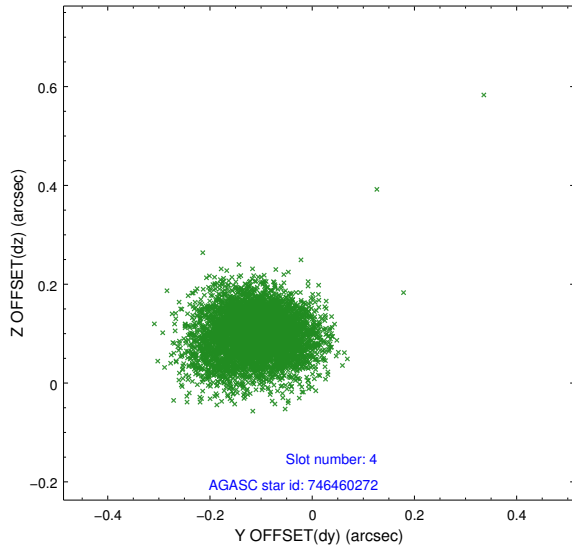
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2.4 Star Slots

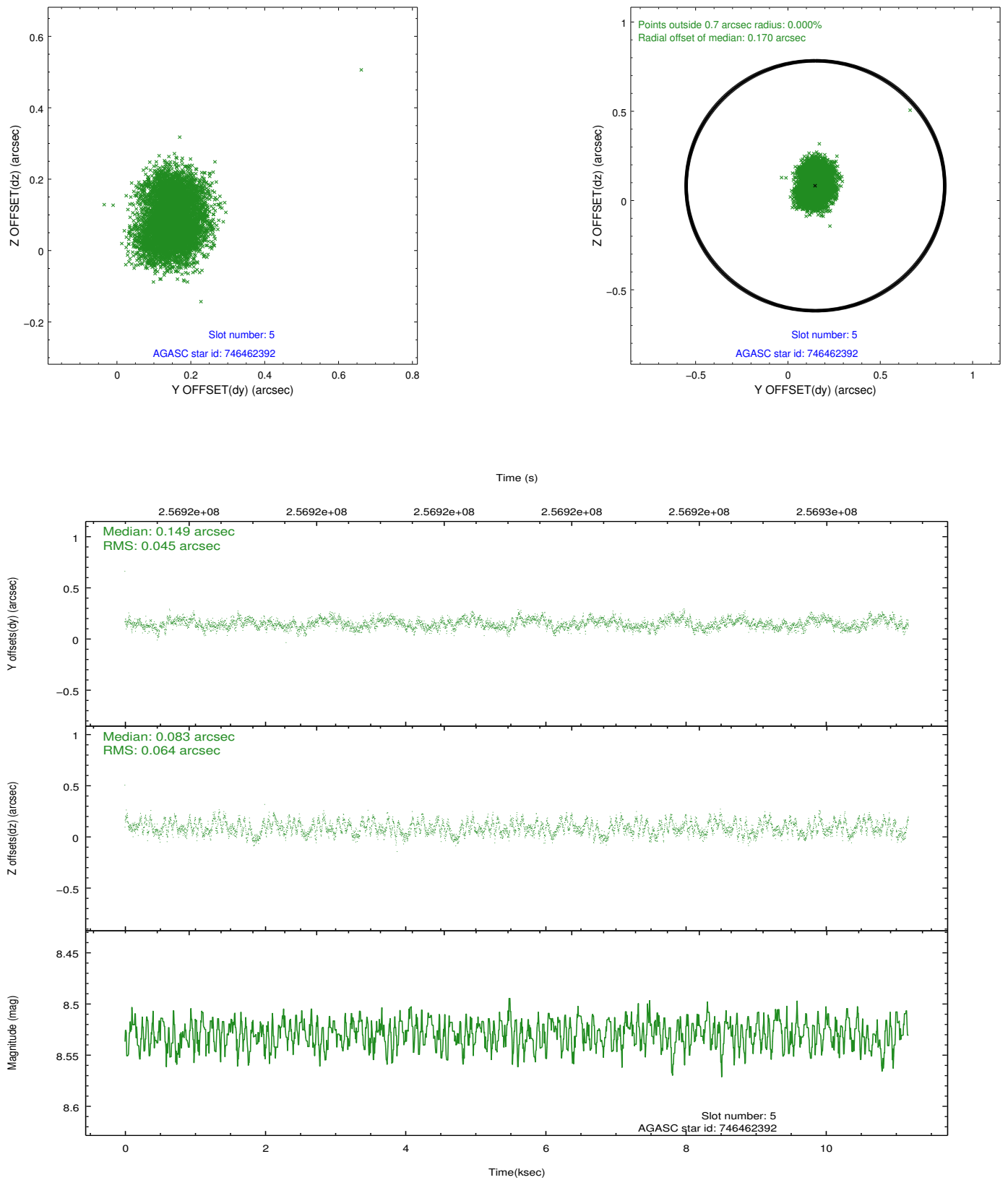
2.4.1 Slot 3



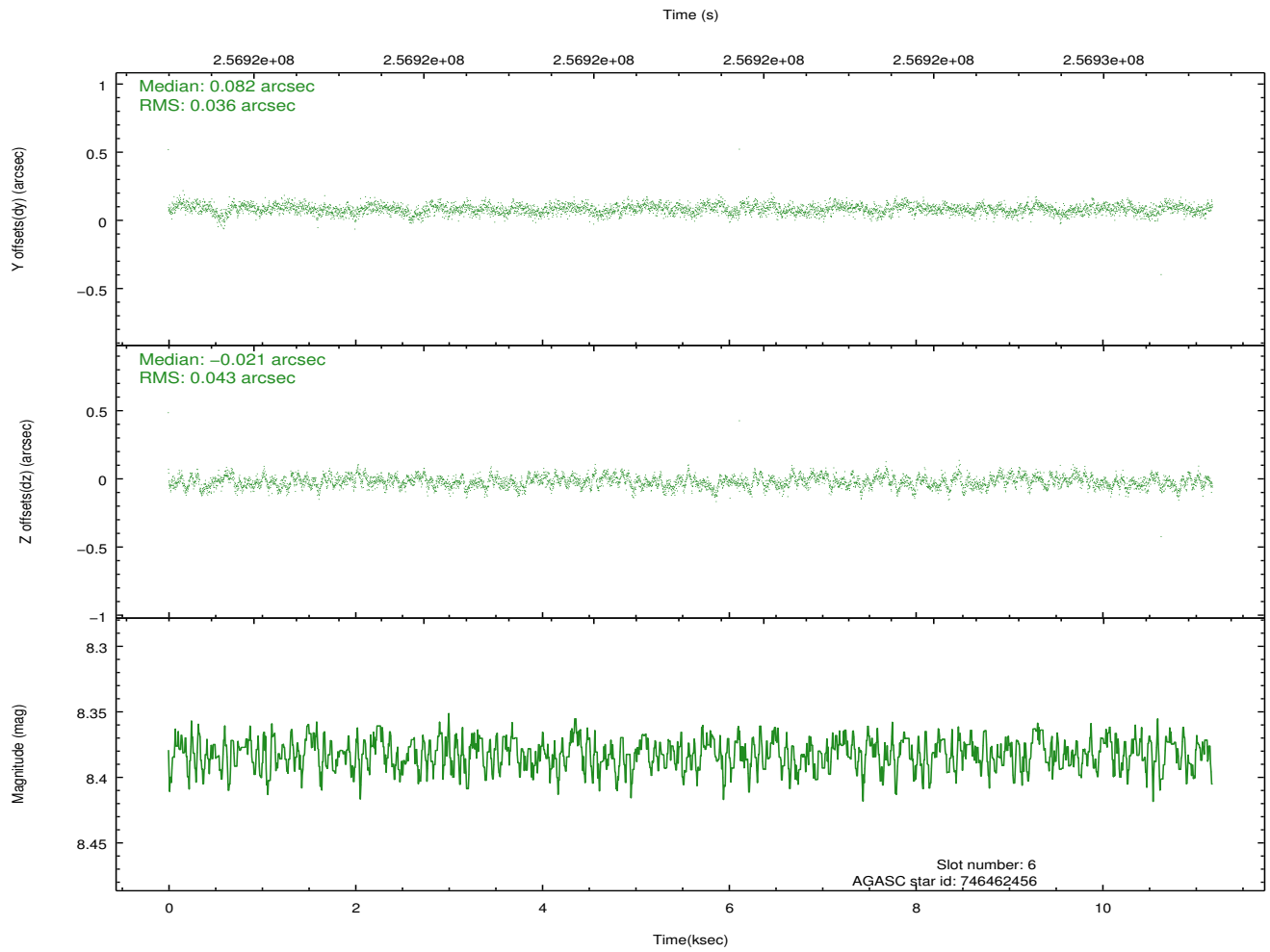
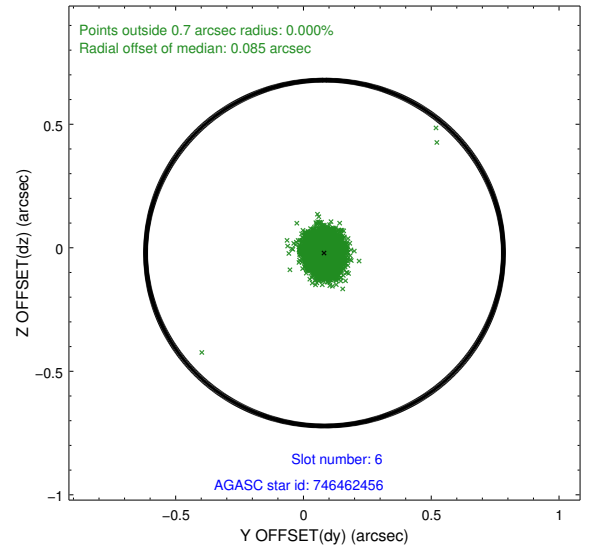
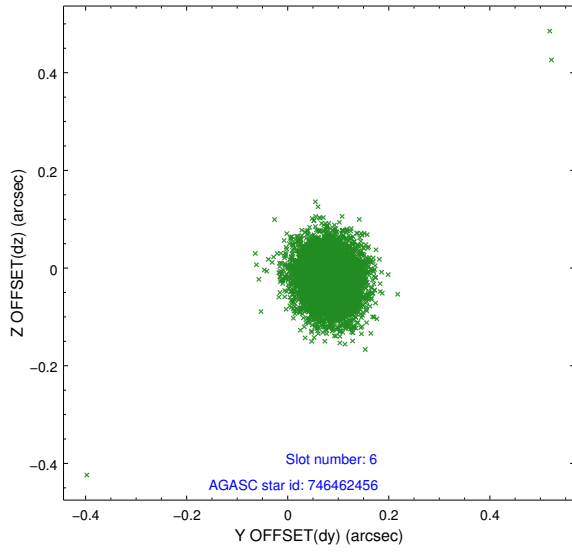
2.4.2 Slot 4



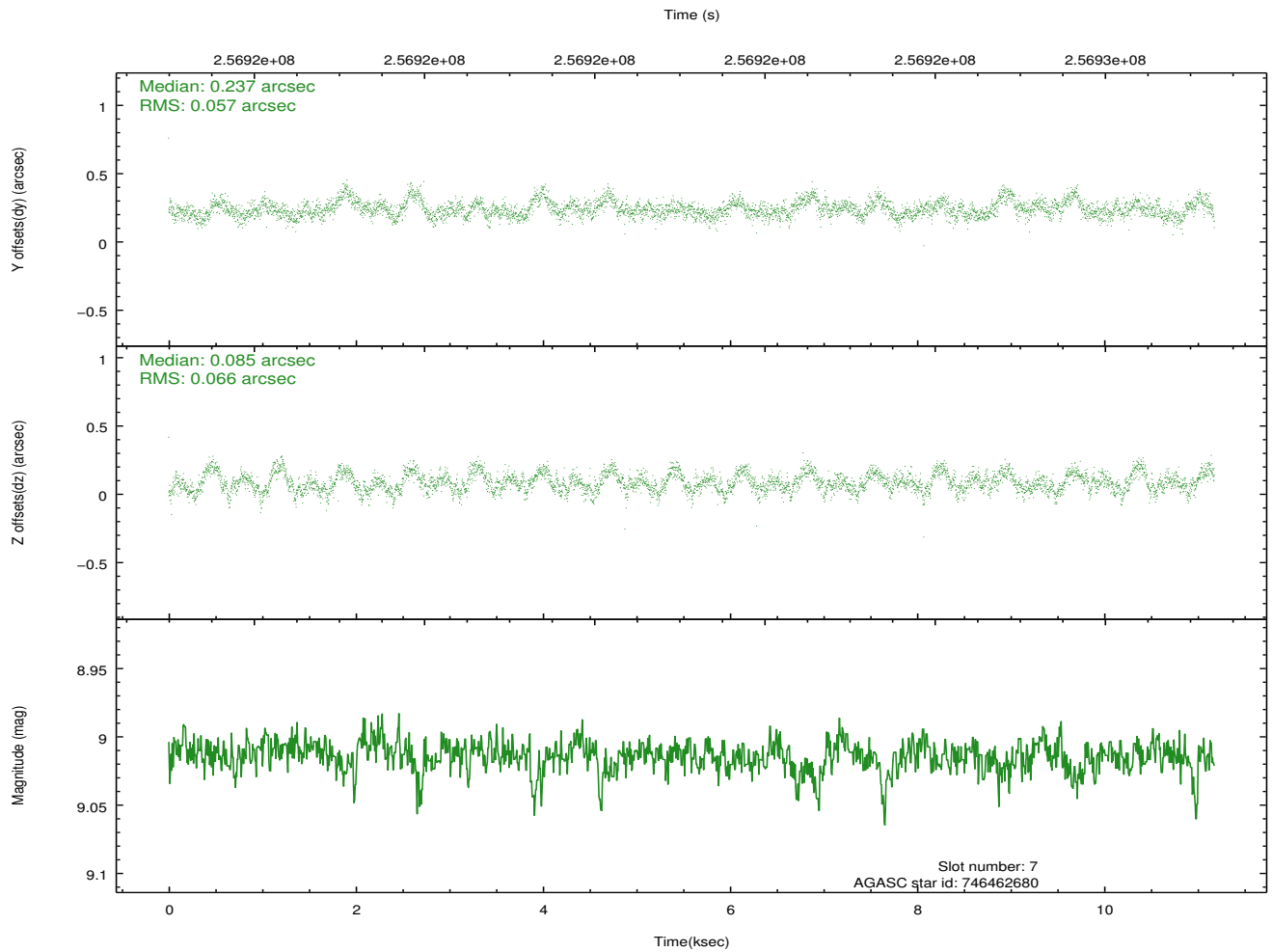
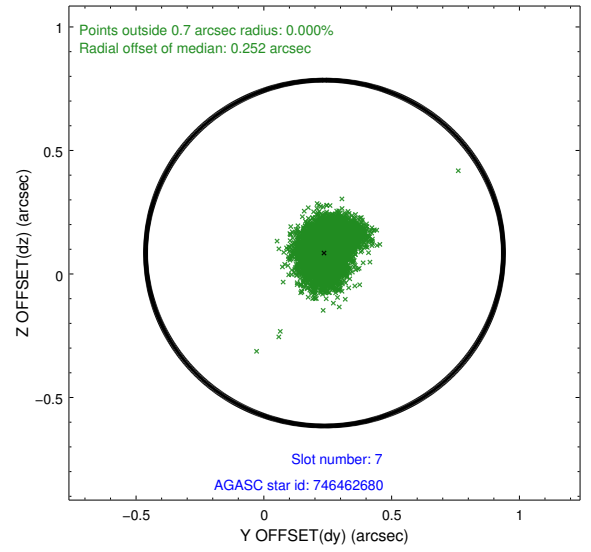
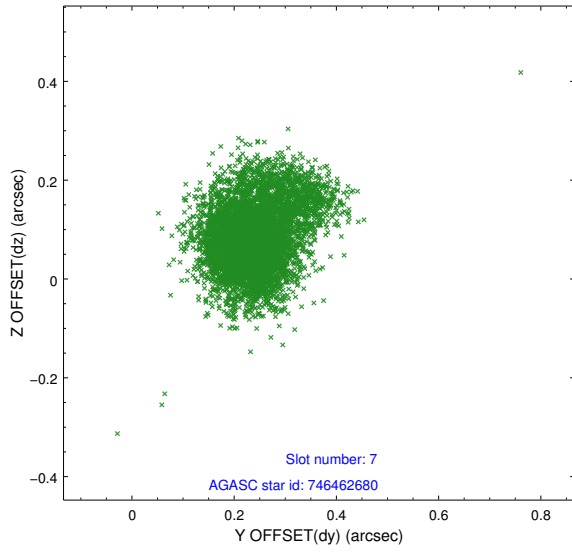
2.4.3 Slot 5



2.4.4 Slot 6

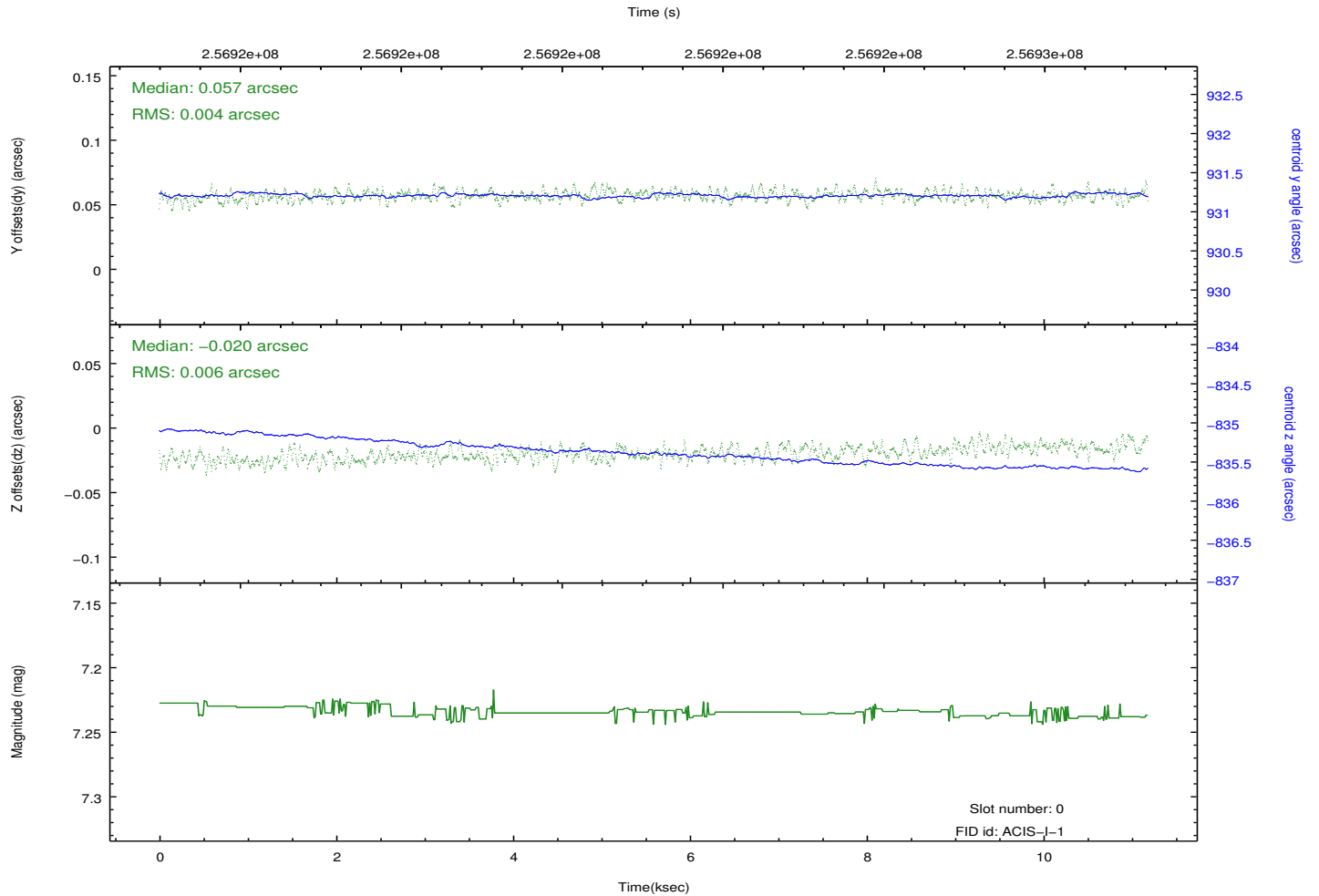
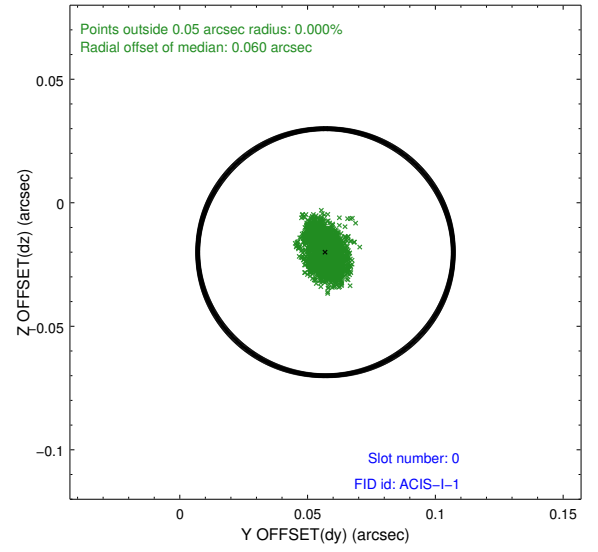
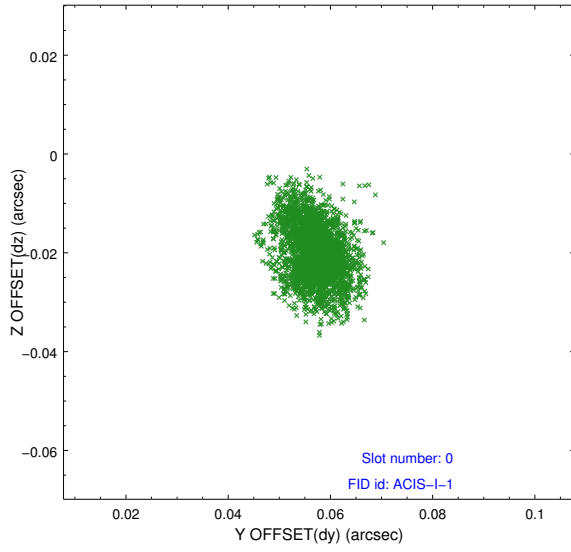


2.4.5 Slot 7

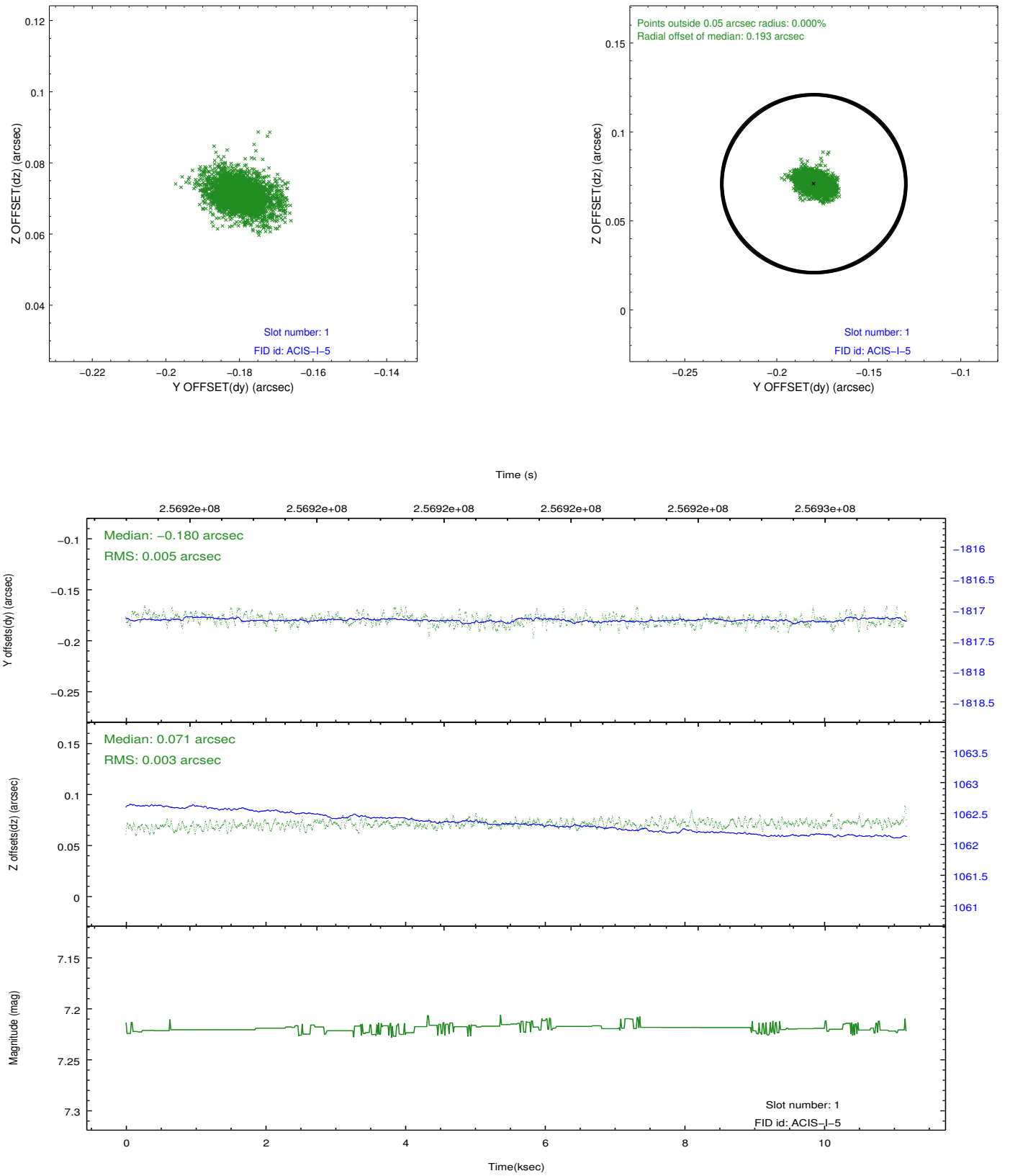


2.5 FID Slots

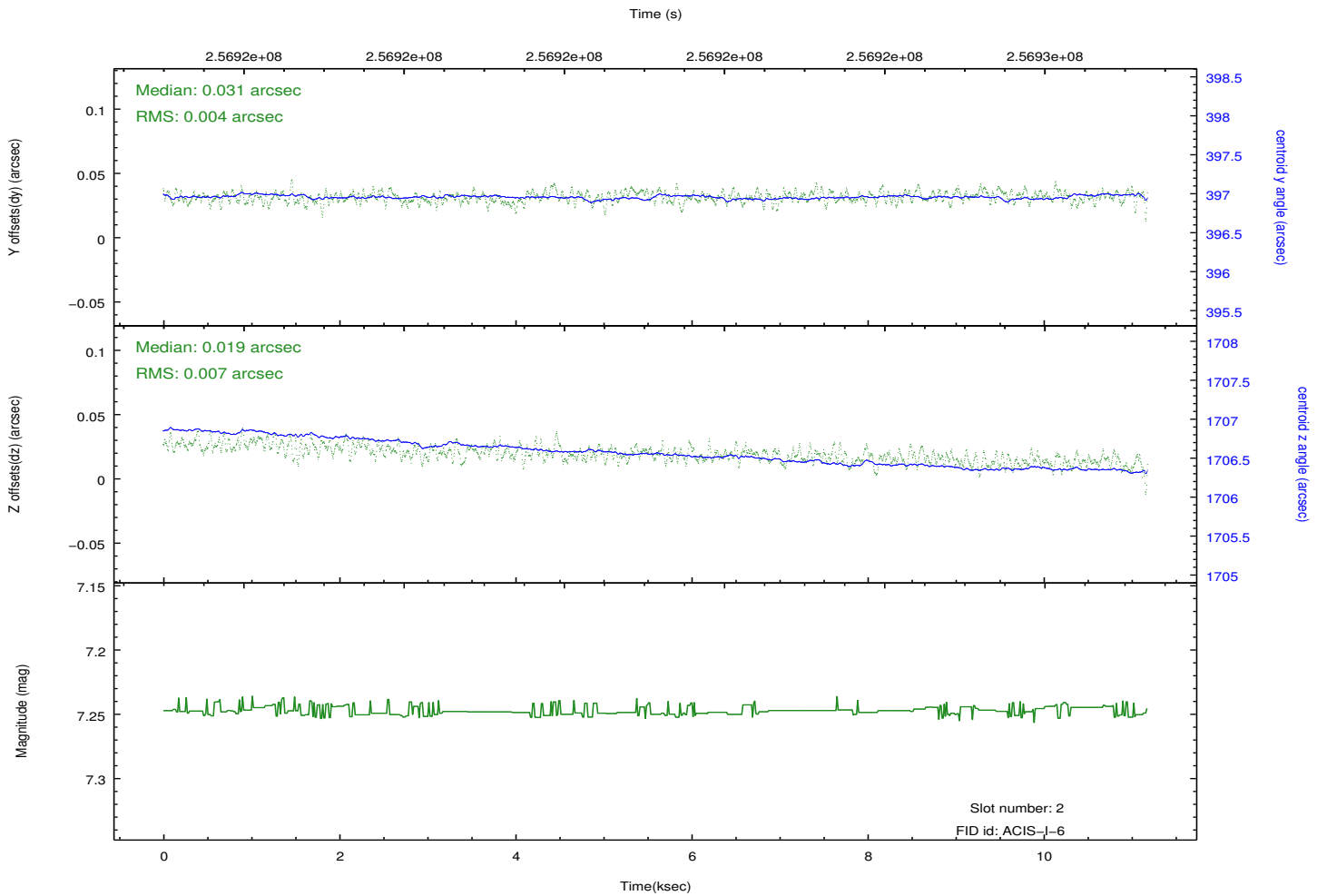
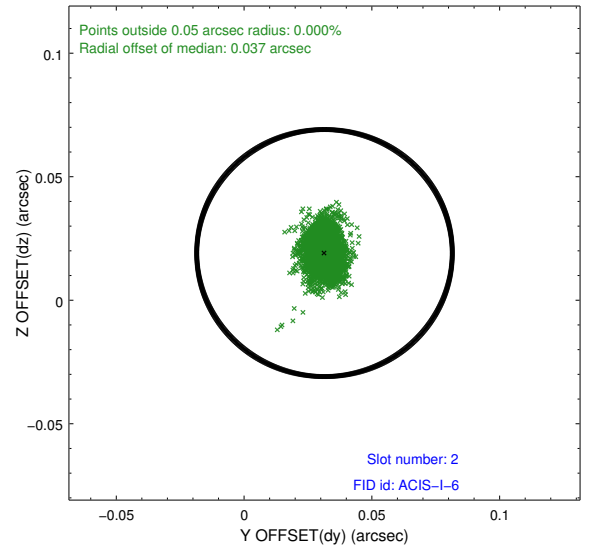
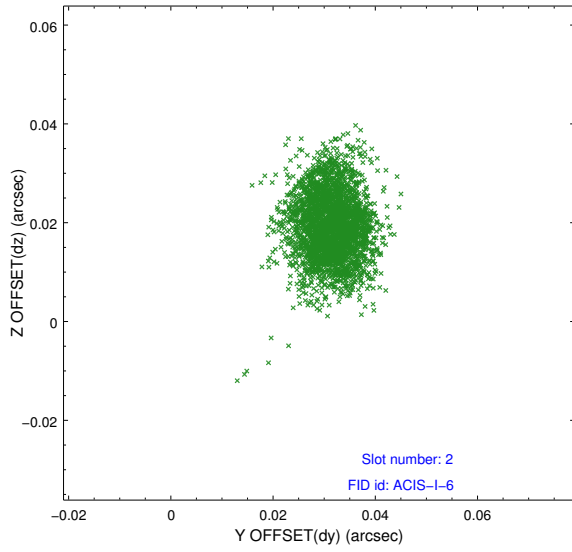
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.95839996

A.2 Comments

Window constraint met.