

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3673 - L2 Version 4
Chandra X-Ray Center

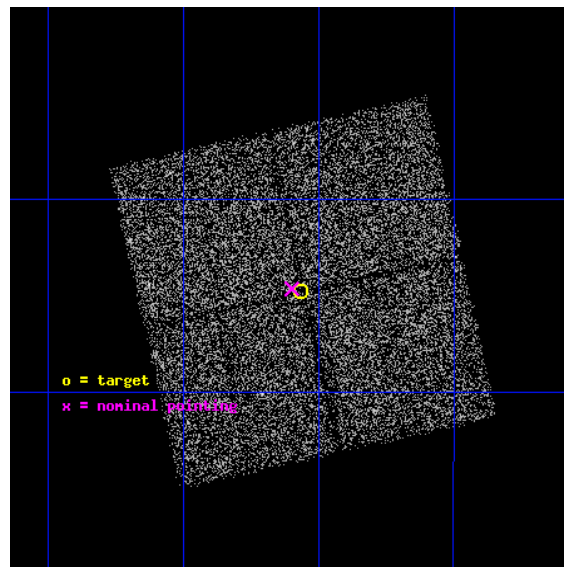
L2 Processing Date : Oct 9 2012

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1 Front

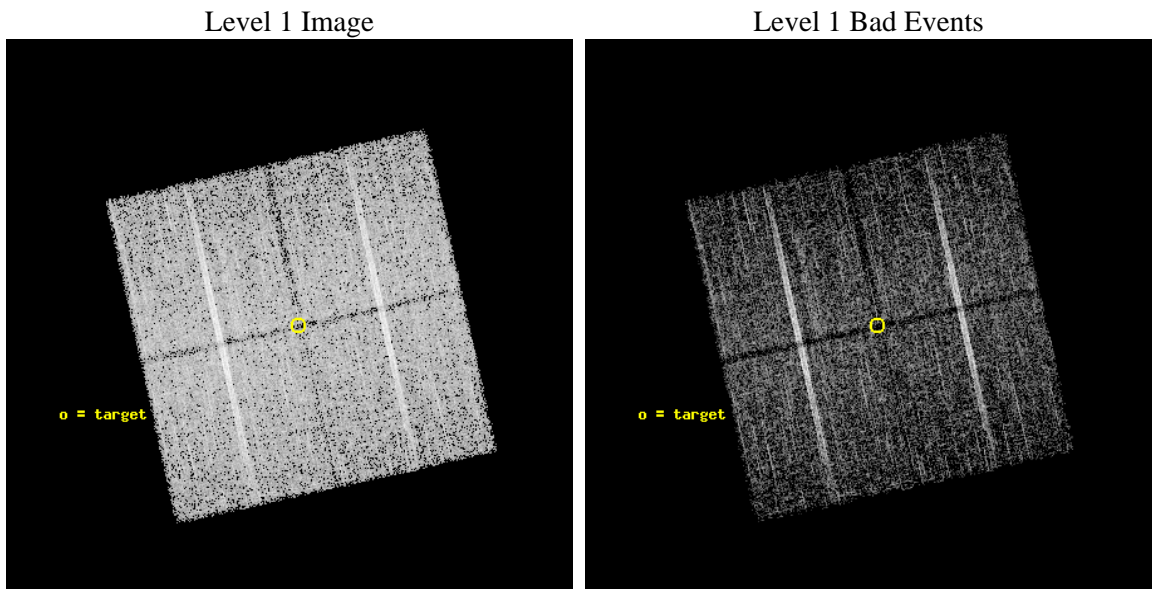
seq_num	500274	Sequence number
obs_id	3673	Observation id
title	LOCALIZATION OF OPTICALLY-DARK GAMMA-RAY BURSTS BY CHANDRA AND HST	
observer	Dr. george Ricker	Principal investigator
object	GRB020531	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.767083	Observer's specified target RA [deg]
dec_targ	-19.413472	Observer's specified target Dec [deg]
ra_nom	228.77473459933	Nominal RA [deg]
dec_nom	-19.410962311534	Nominal Dec [deg]
roll_nom	257.47159666136	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10195.899980366	Sum of GTIs [s]
livetime	10062.68304101	Livetime [s]
ontime0	10192.759010136	Sum of GTIs [s]
ontime1	10195.899980366	Sum of GTIs [s]
ontime2	10195.899980366	Sum of GTIs [s]
ontime3	10195.899980366	Sum of GTIs [s]
l2events	26691	Number of level 2 events



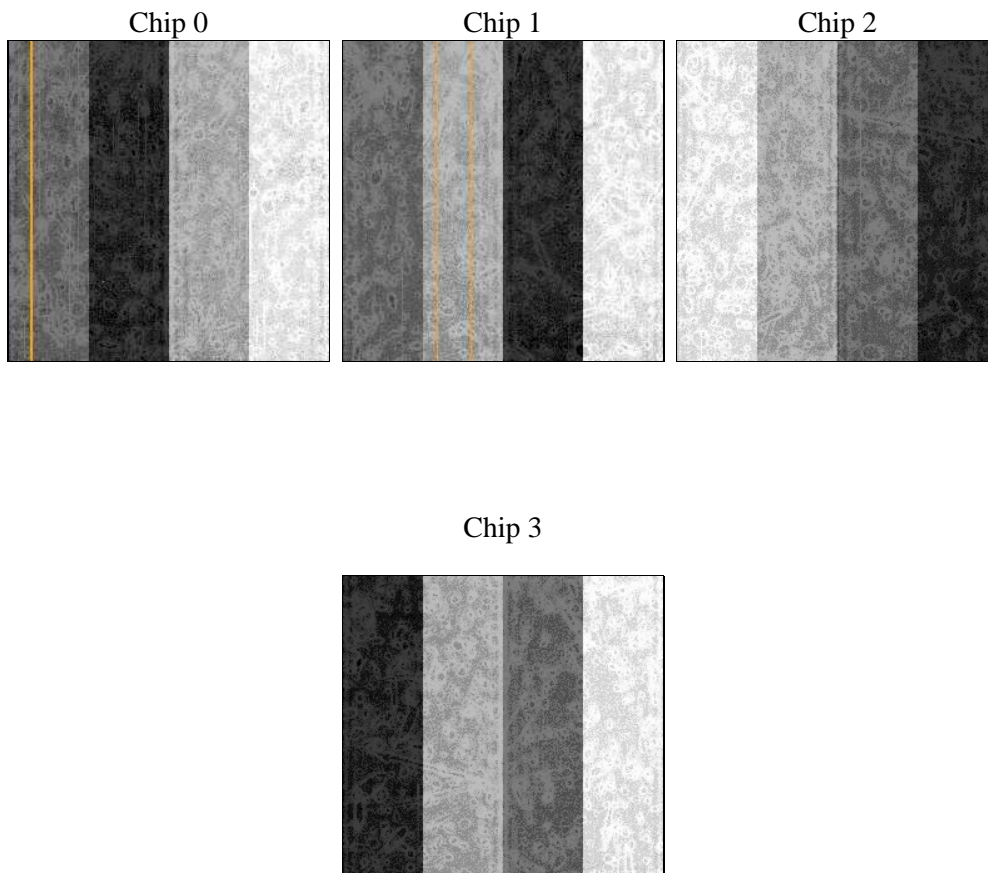
2 OBI

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	8.4.5	Processing system revision	ontime	10195.899980366	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	10192.759010136	Sum of GTIs [s]
date	2012-10-09T03:56:41	Date and time of file creation	ontime1	10195.899980366	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	10195.899980366	Sum of GTIs [s]
			ontime3	10195.899980366	Sum of GTIs [s]
			l1events	248758	Number of level 1 events

2.1.4 Events

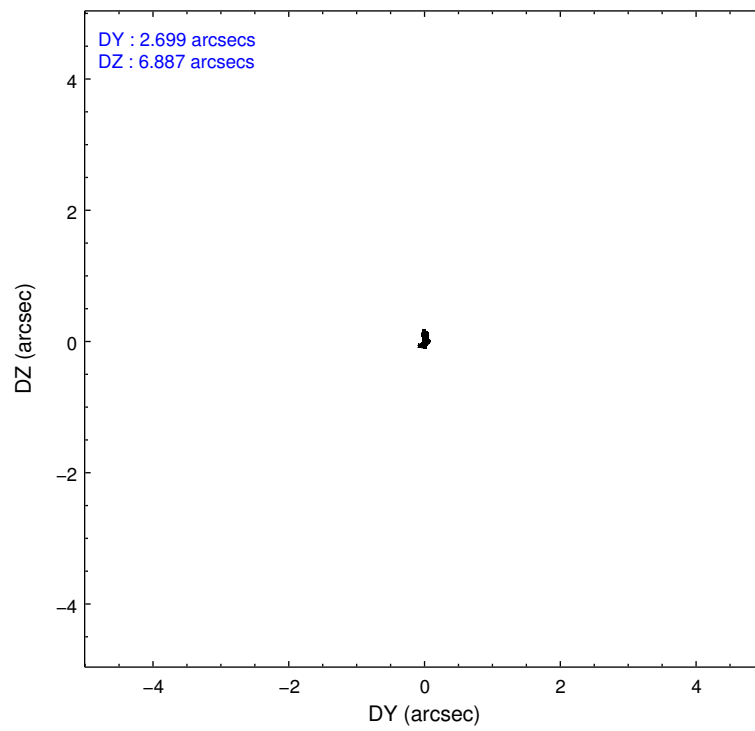
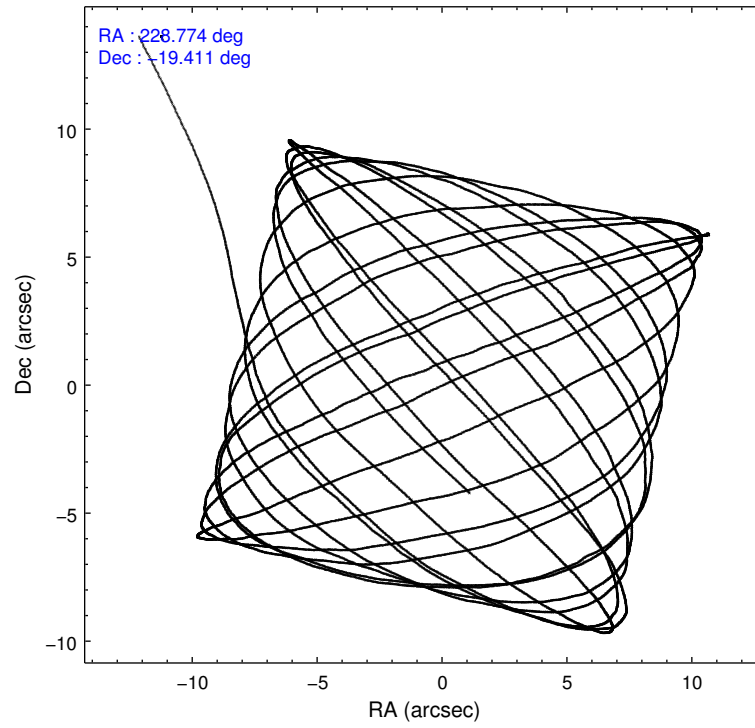
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	58646	61101	64342	64669
rejected events	50894	52870	56632	57093
rejected %	86%	86%	88%	88%

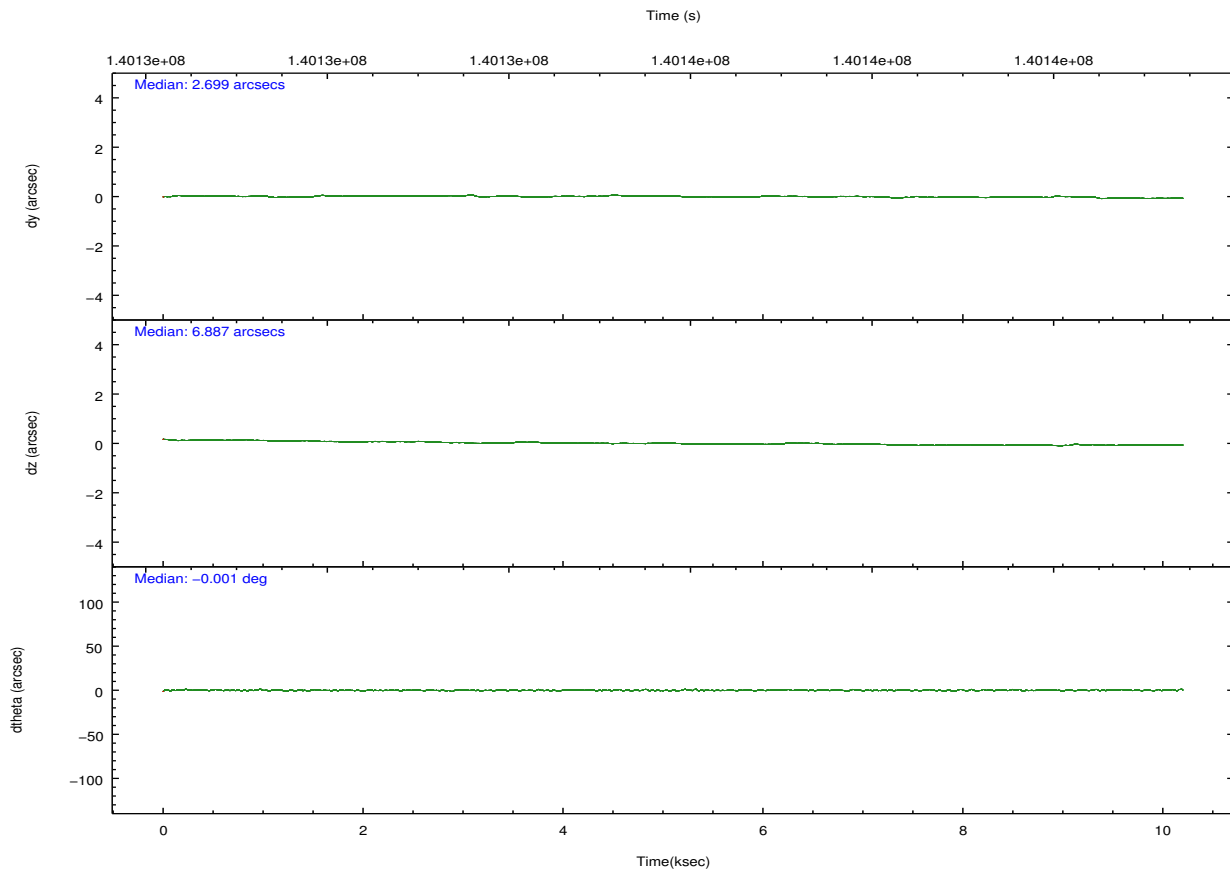
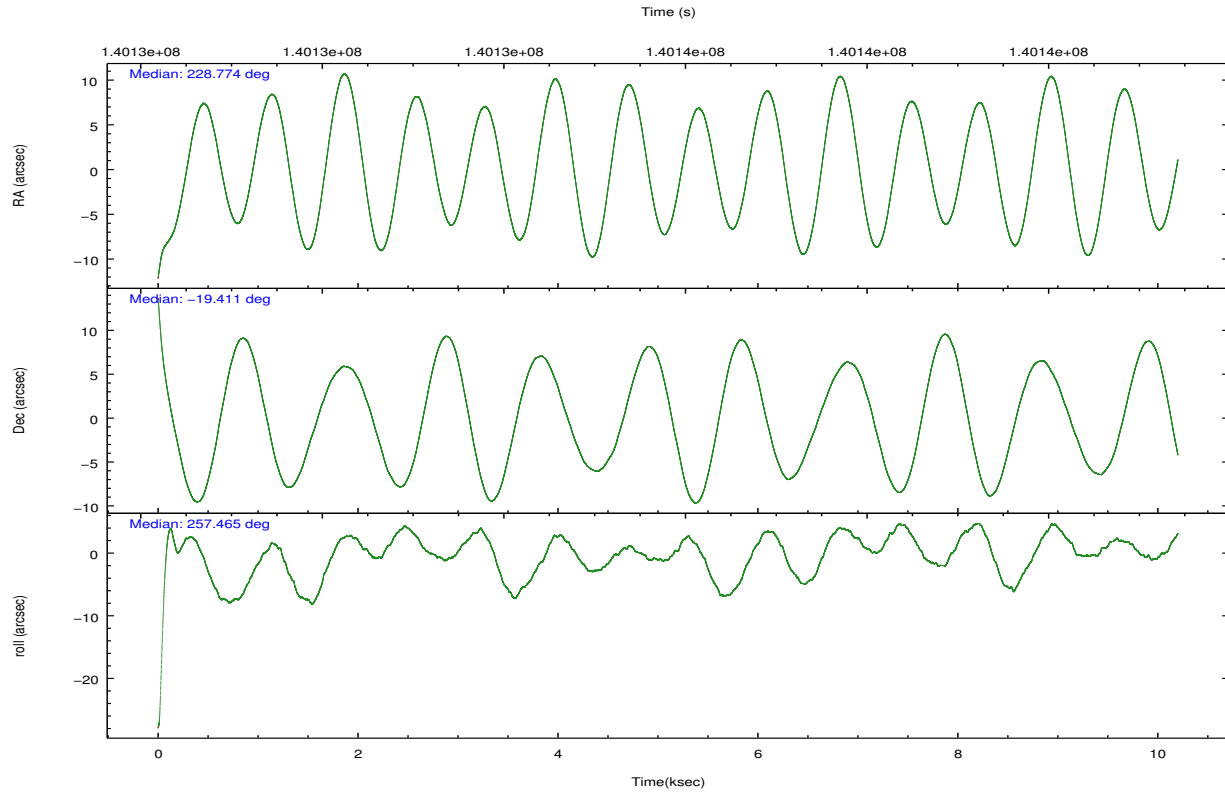
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	3350	3402	3449	3399
	5%	5%	5%	5%
grade 1 events	39	29	34	36
	0%	0%	0%	0%
grade 2 events	1644	1706	1726	1495
	2%	2%	2%	2%
grade 3 events	761	851	680	696
	1%	1%	1%	1%
grade 4 events	668	802	655	716
	1%	1%	1%	1%
grade 5 events	2418	2607	2224	2601
	4%	4%	3%	4%
grade 6 events	1379	1542	1247	1320
	2%	2%	1%	2%
grade 7 events	48387	50162	54327	54406
	82%	82%	84%	84%

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	228.765972	228.7747345993338	Subarray requested	NONE	NONE
[deg] Pointing Dec	-19.384869	-19.41096231153414	Alternating exposures requested	N	N
[deg] Pointing Roll	257.260040	257.4715966613648	[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)	140130906.184000	140129940.37526			
Observation start date	2002-06-10T21:14:02	2002-06-10T20:59:00			
[s] Observation end time (MET)	140140906.184000	140141620.76324			
Observation end date	2002-06-11T00:00:42	2002-06-11T00:13:40			
Read mode	TIMED	TIMED			

2.3 Aspect



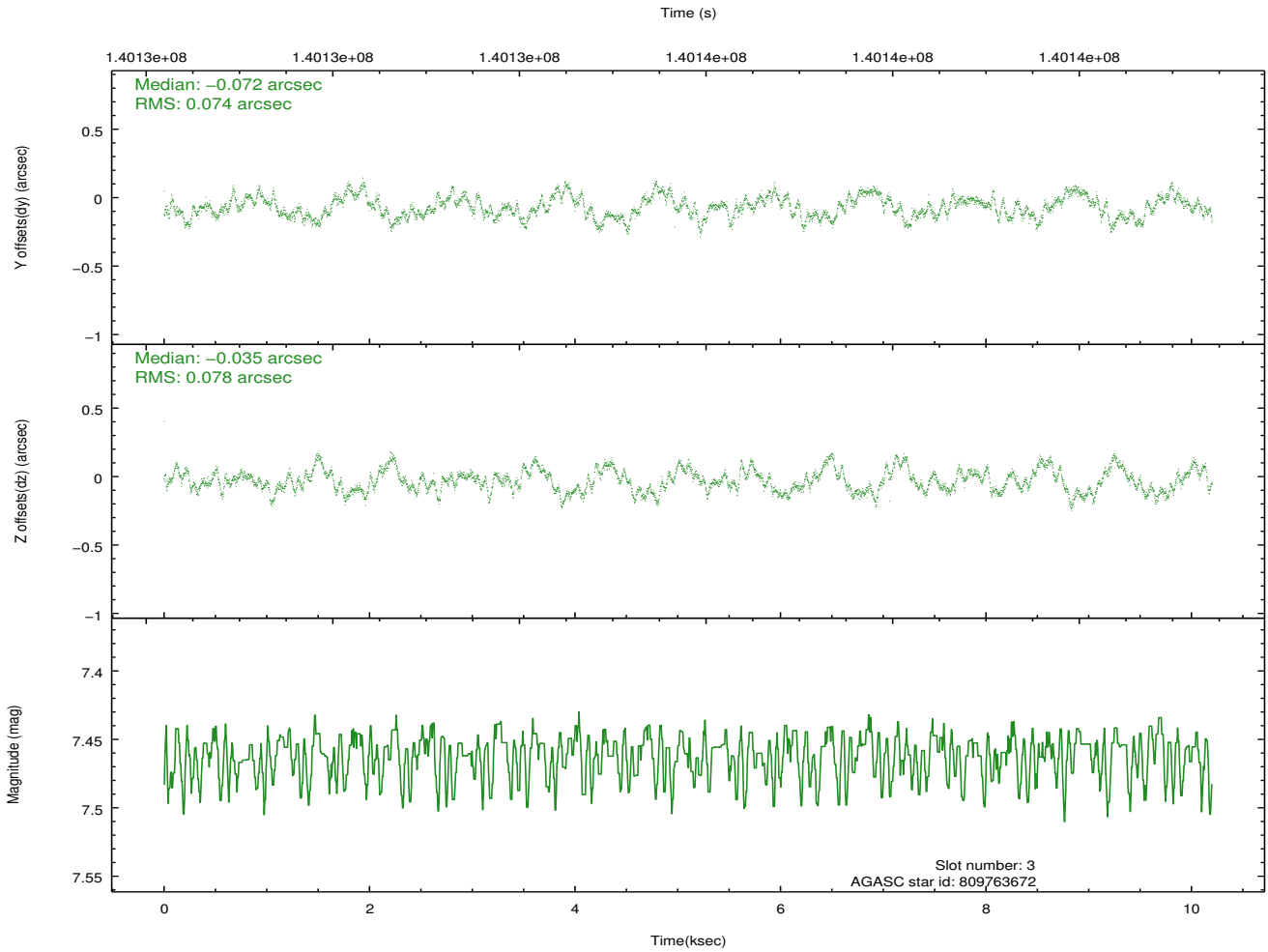
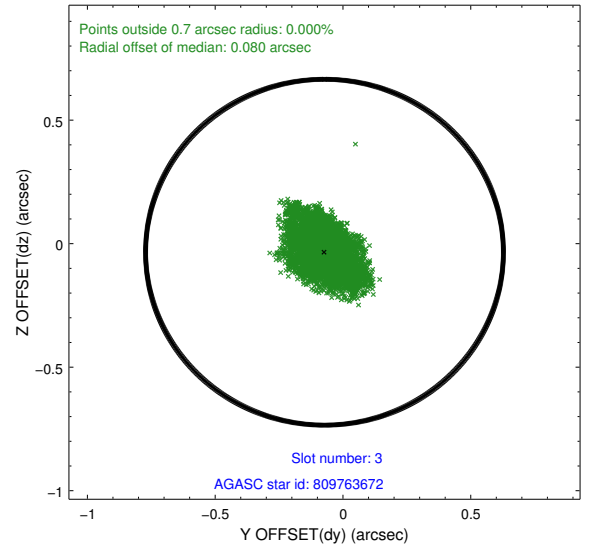
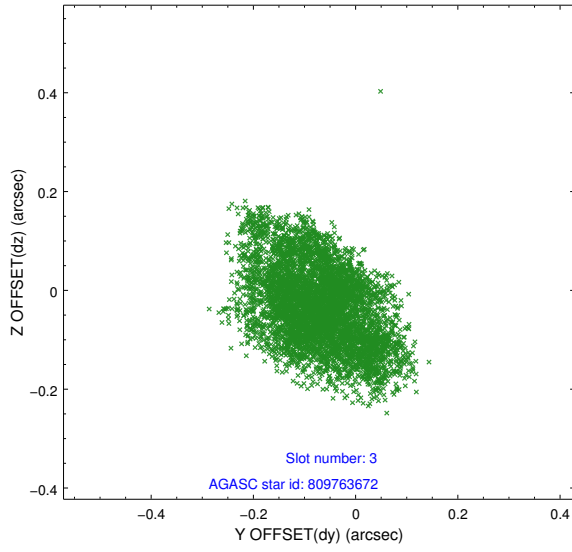


Slot Statistics

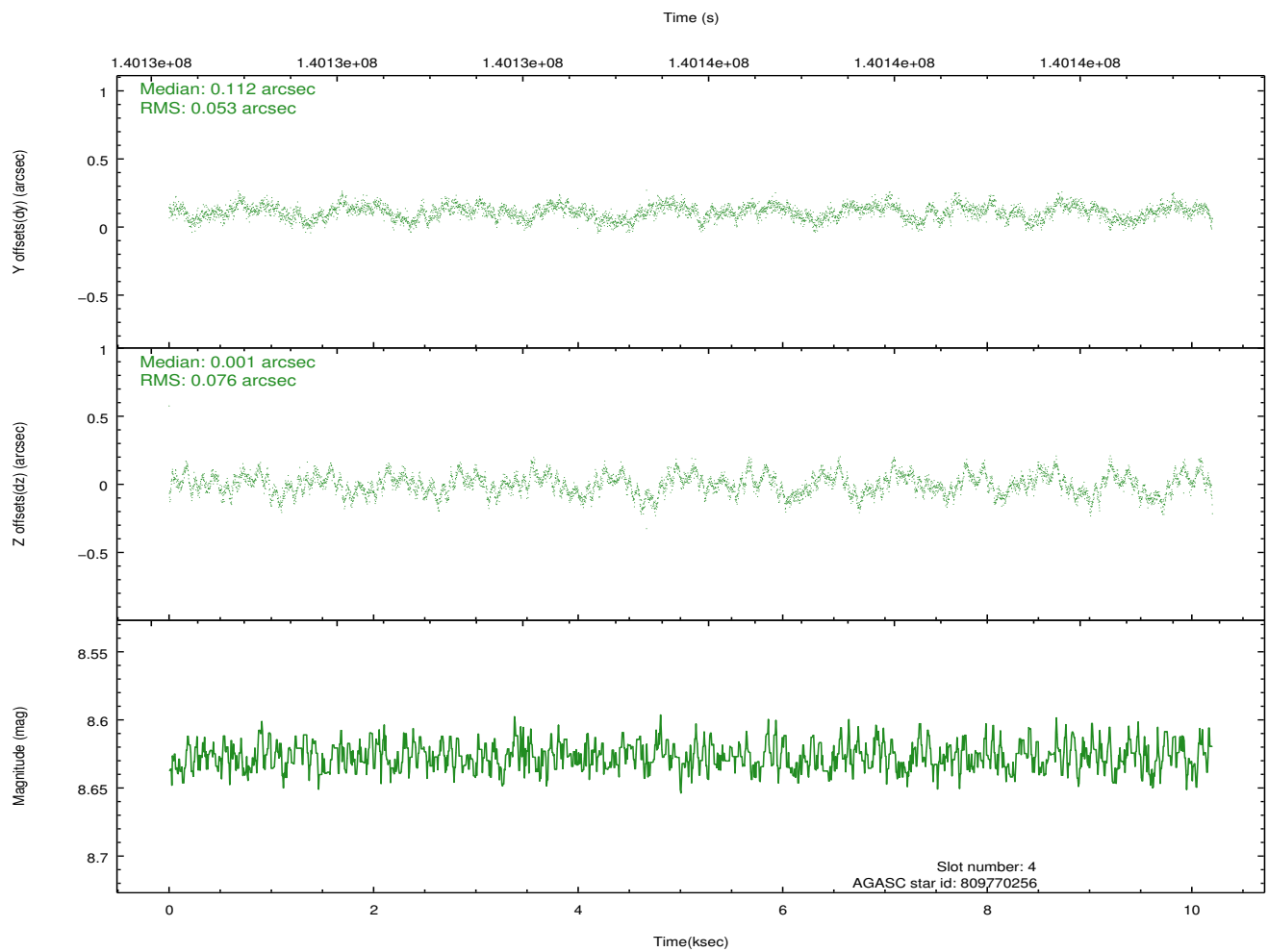
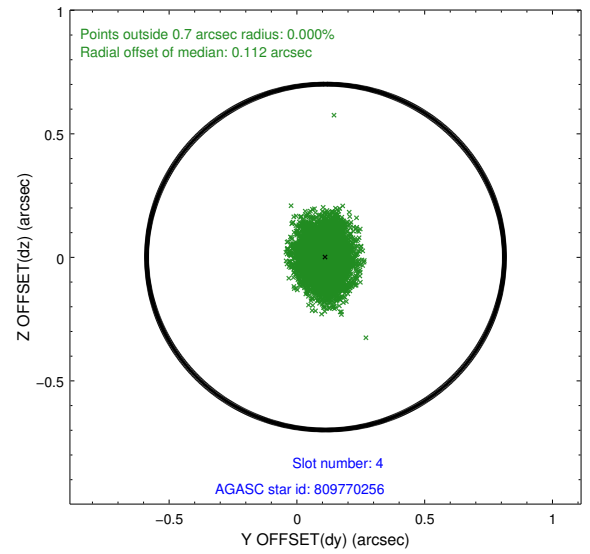
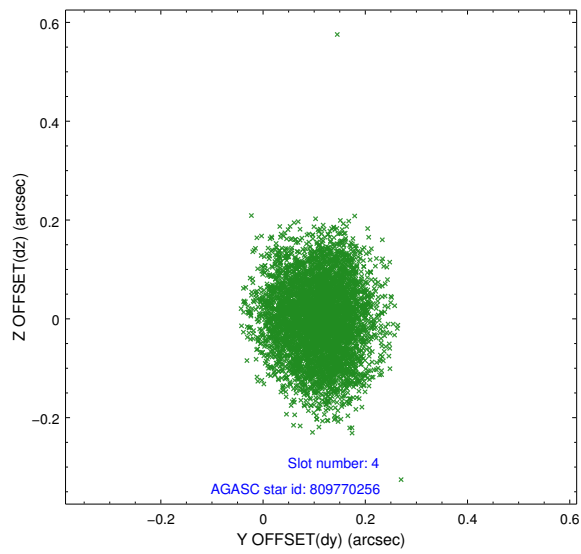
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	2489	0.003	0.012	0.006	0.011	0.000000	0.000000	937.09	-830.29
1	FID	ACIS-I-5	7.24	2489	-0.057	0.052	0.006	0.010	0.000000	0.000000	-1810.75	1067.03
2	FID	ACIS-I-6	7.26	2489	-0.037	0.006	0.007	0.012	0.000000	0.000000	402.08	1712.04
3	GUIDE	809763672	7.46	4975	-0.072	-0.035	0.117	0.187	228.584213	-18.953335	-1378.63	-945.23
4	GUIDE	809770256	8.63	4973	0.112	0.001	0.100	0.155	228.622612	-19.243146	-390.34	-586.96
5	GUIDE	809765760	8.74	4976	0.096	0.048	0.108	0.176	229.188364	-20.001489	1851.59	1885.04
6	GUIDE	809763472	9.69	4972	-0.102	0.113	0.343	0.513	229.511835	-18.885739	-2307.81	2084.39
7	GUIDE	809763216	9.38	4968	-0.046	-0.115	0.137	0.221	228.184095	-18.817707	-1551.49	-2382.34

2.4 Star Slots

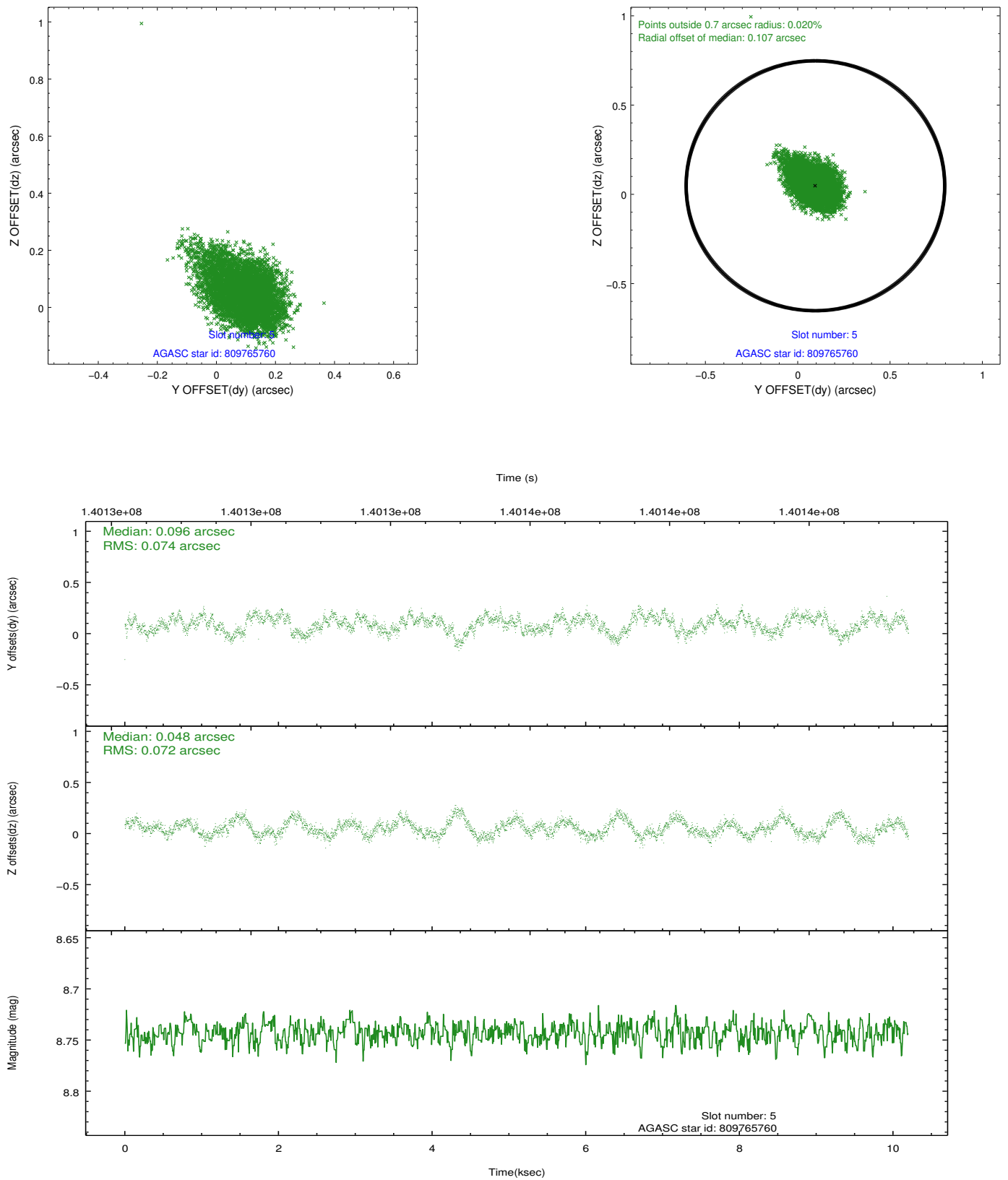
2.4.1 Slot 3



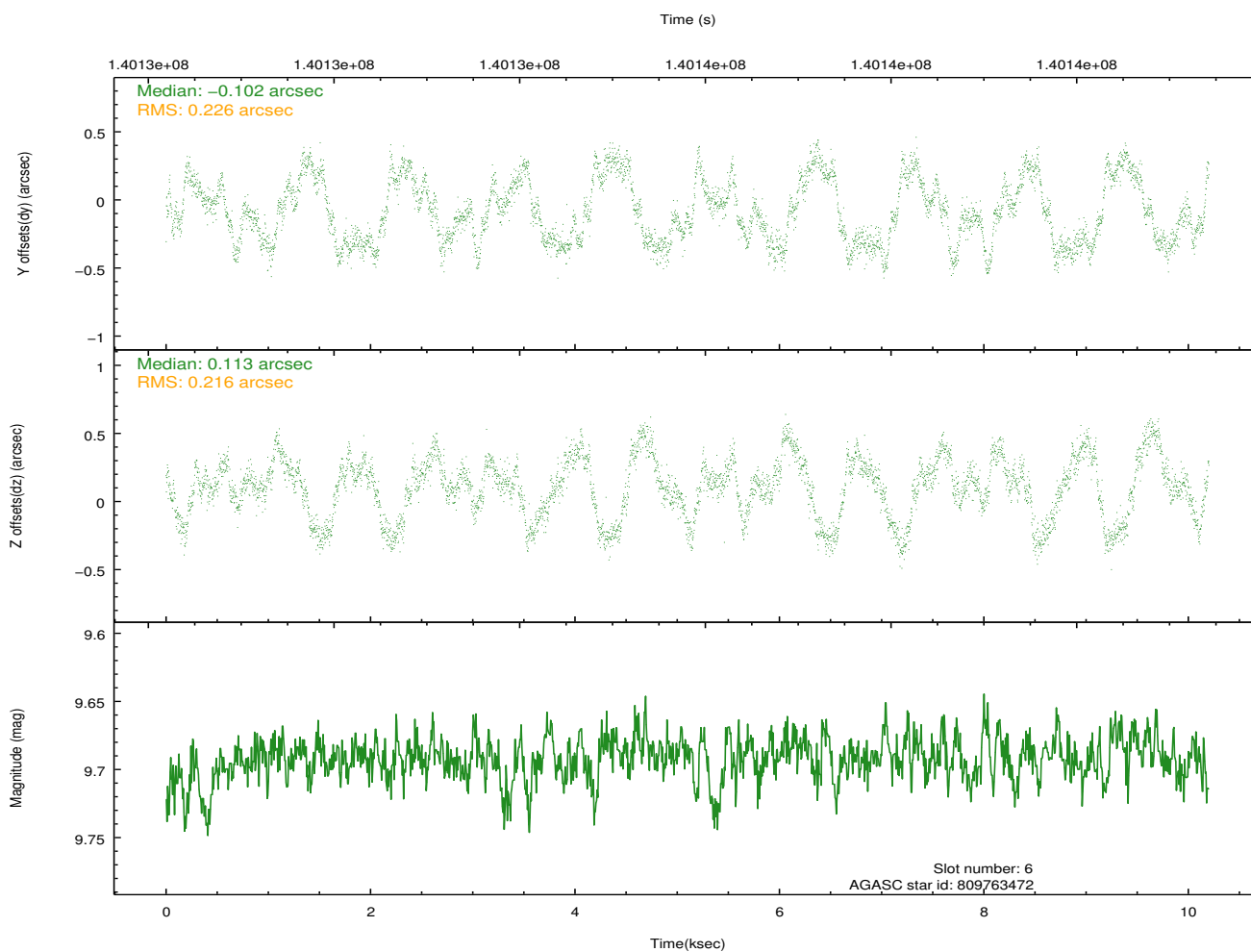
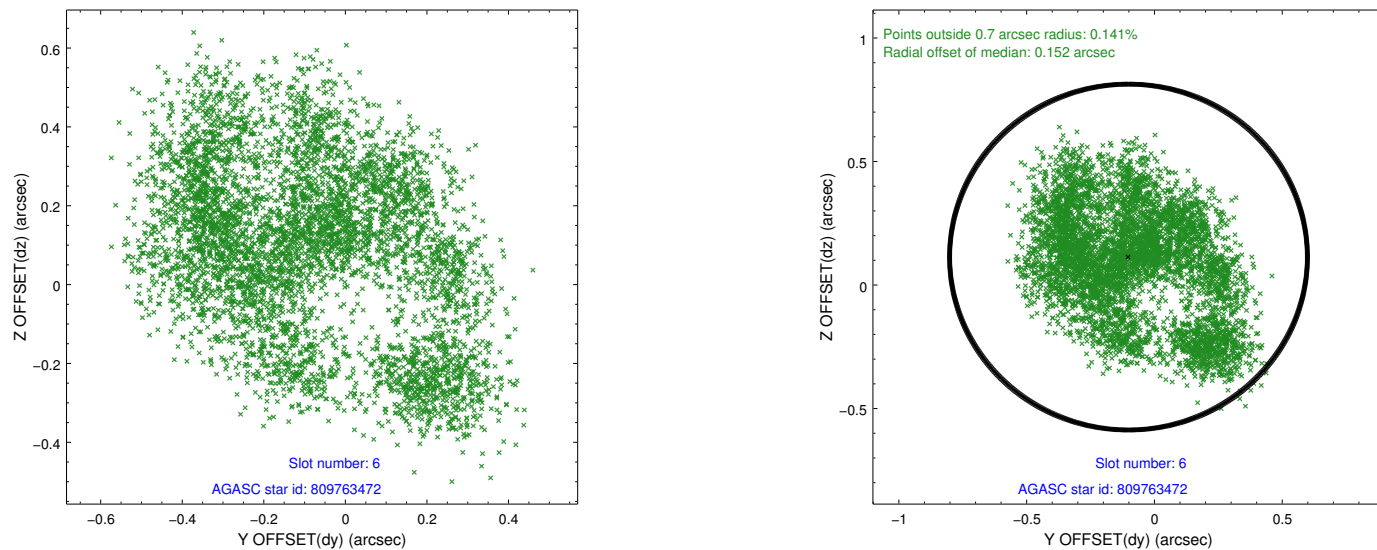
2.4.2 Slot 4



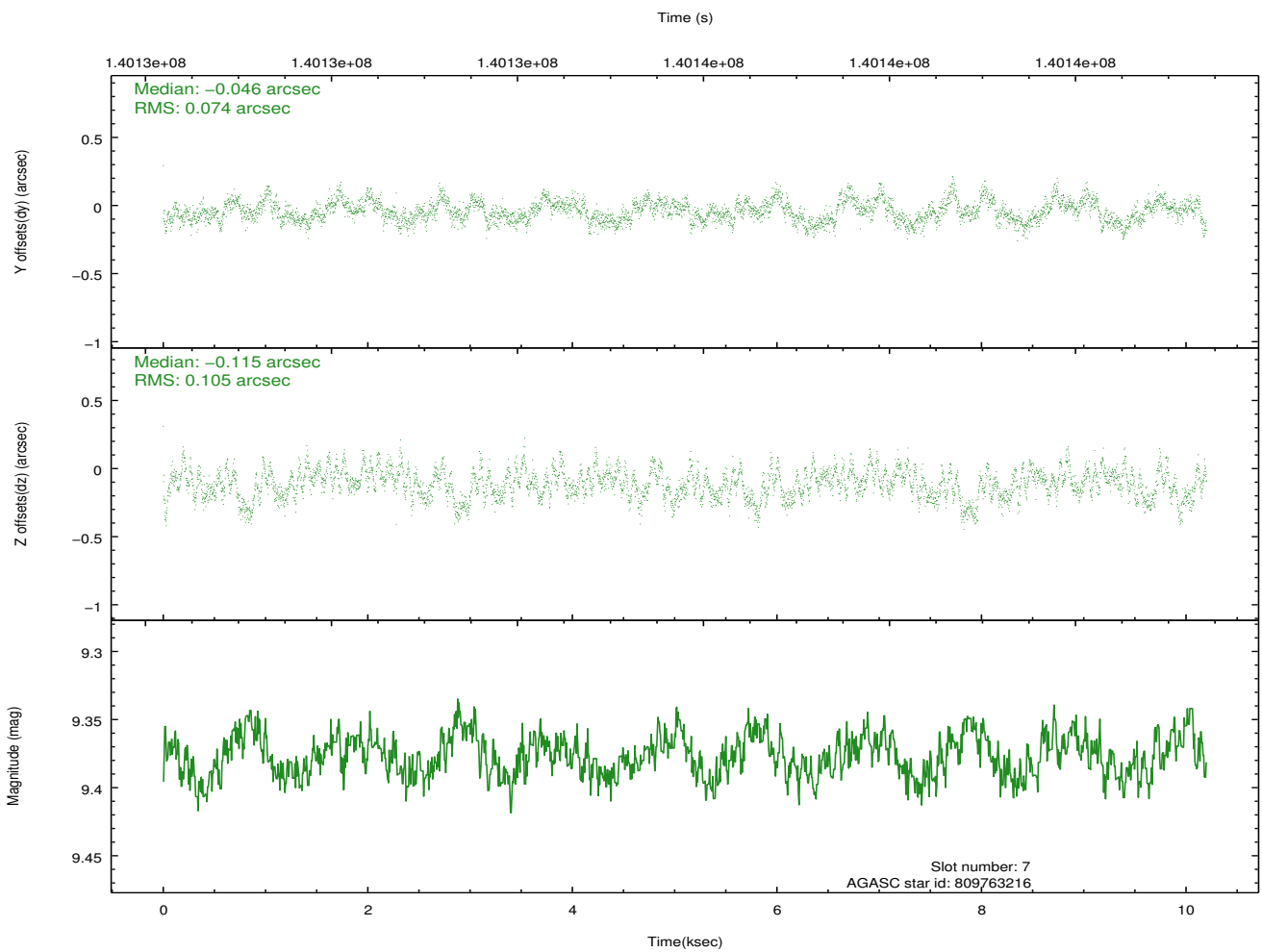
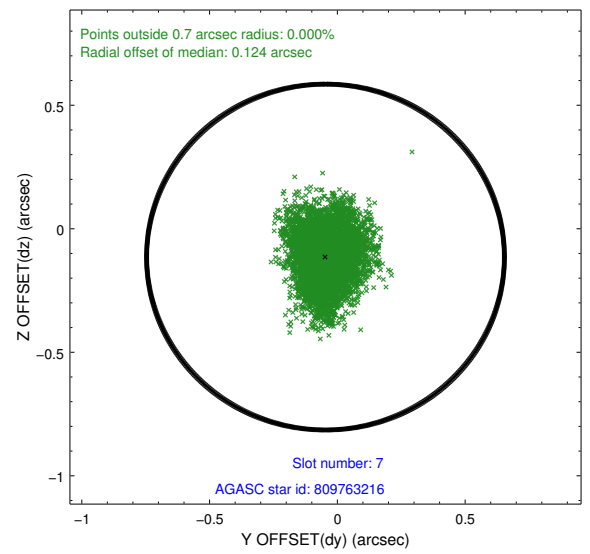
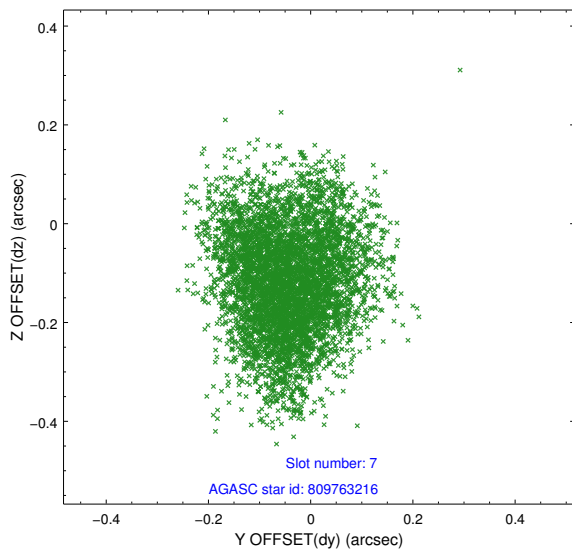
2.4.3 Slot 5



2.4.4 Slot 6

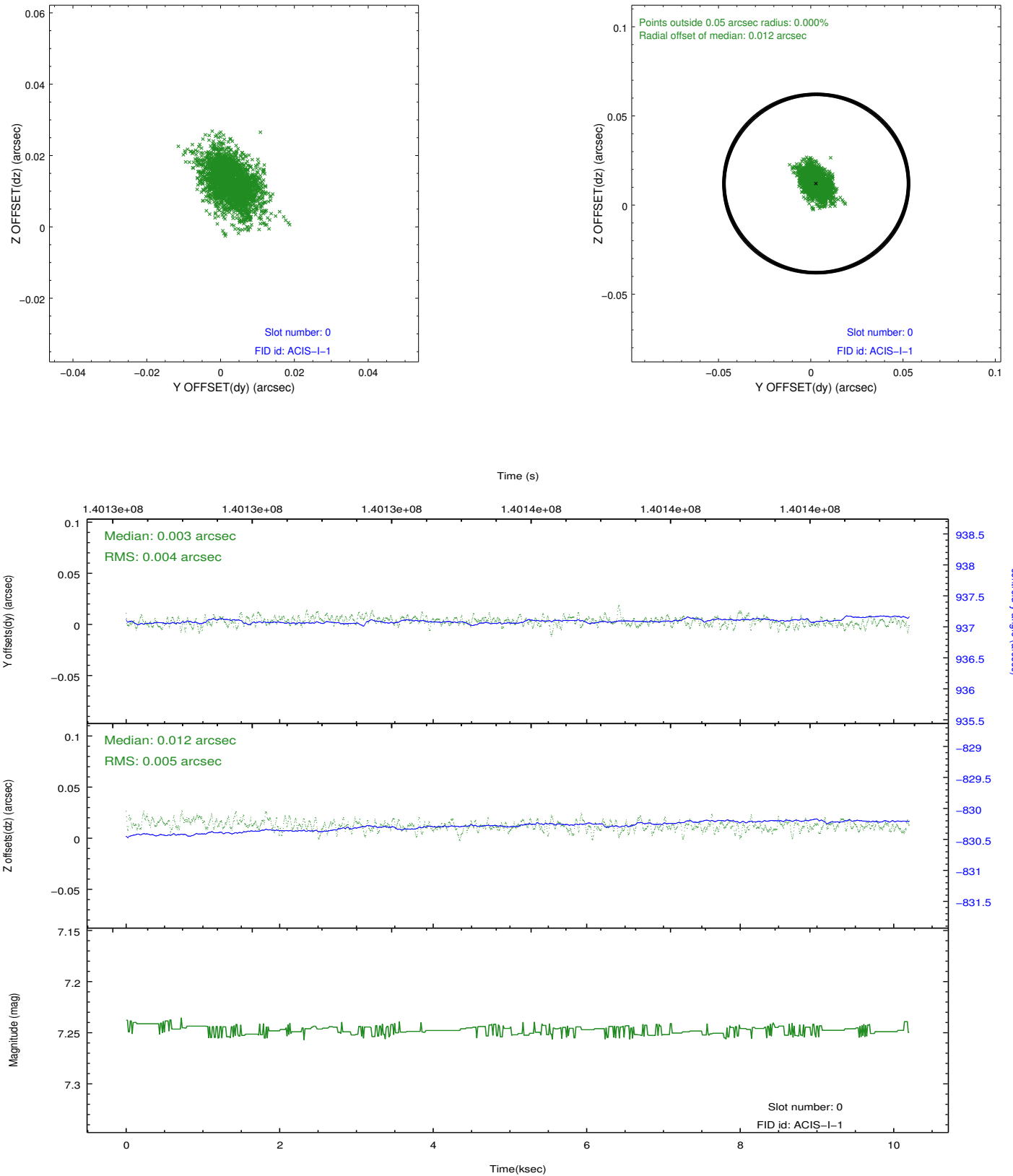


2.4.5 Slot 7

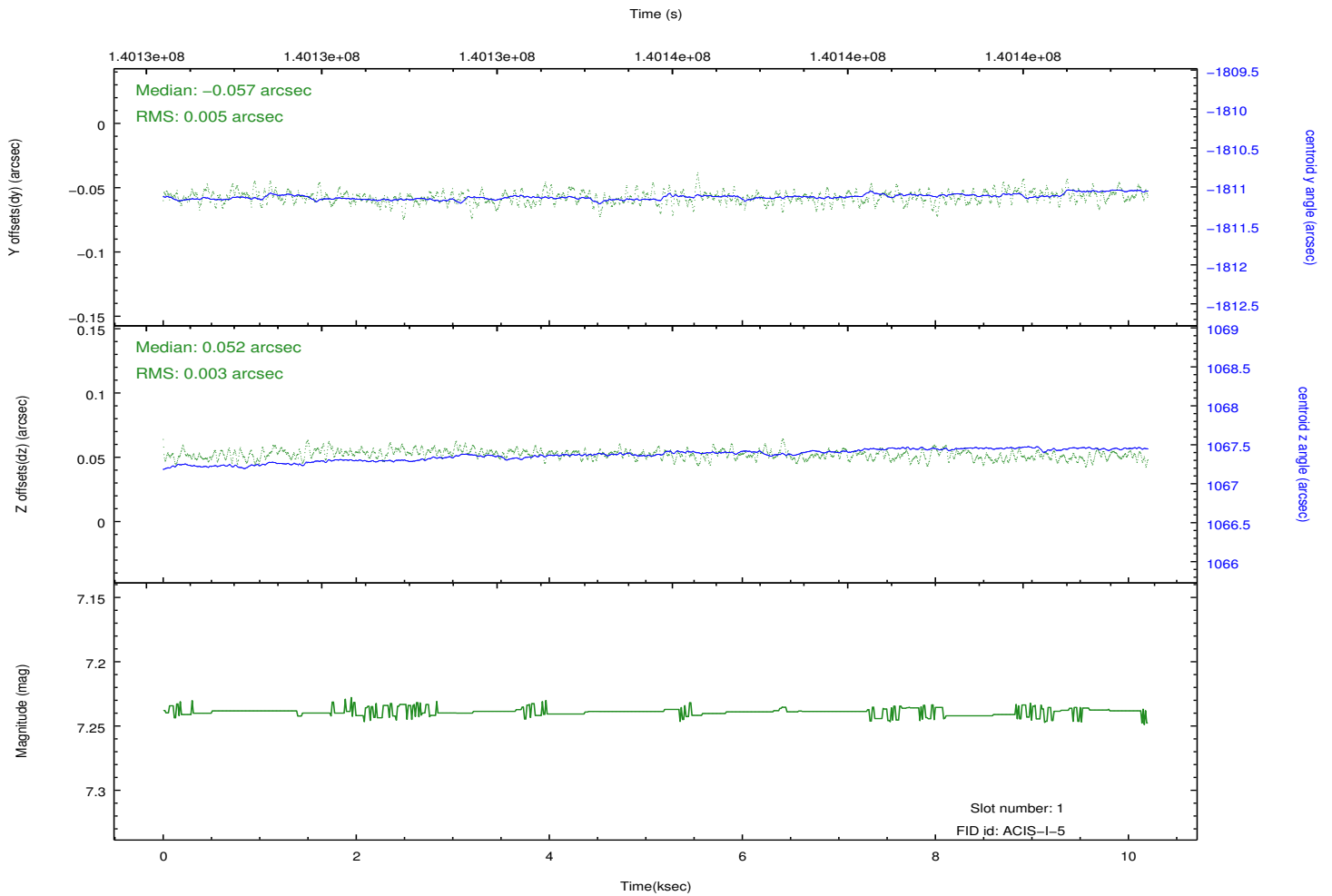
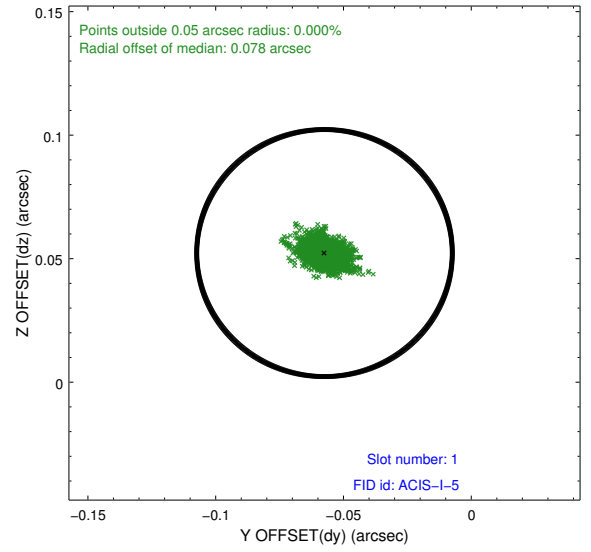
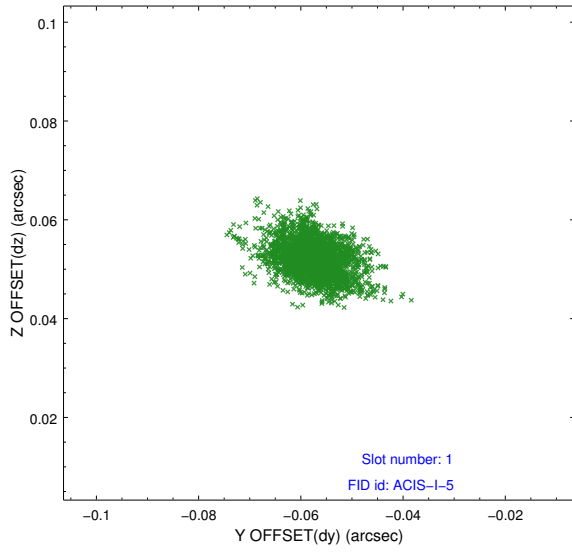


2.5 FID Slots

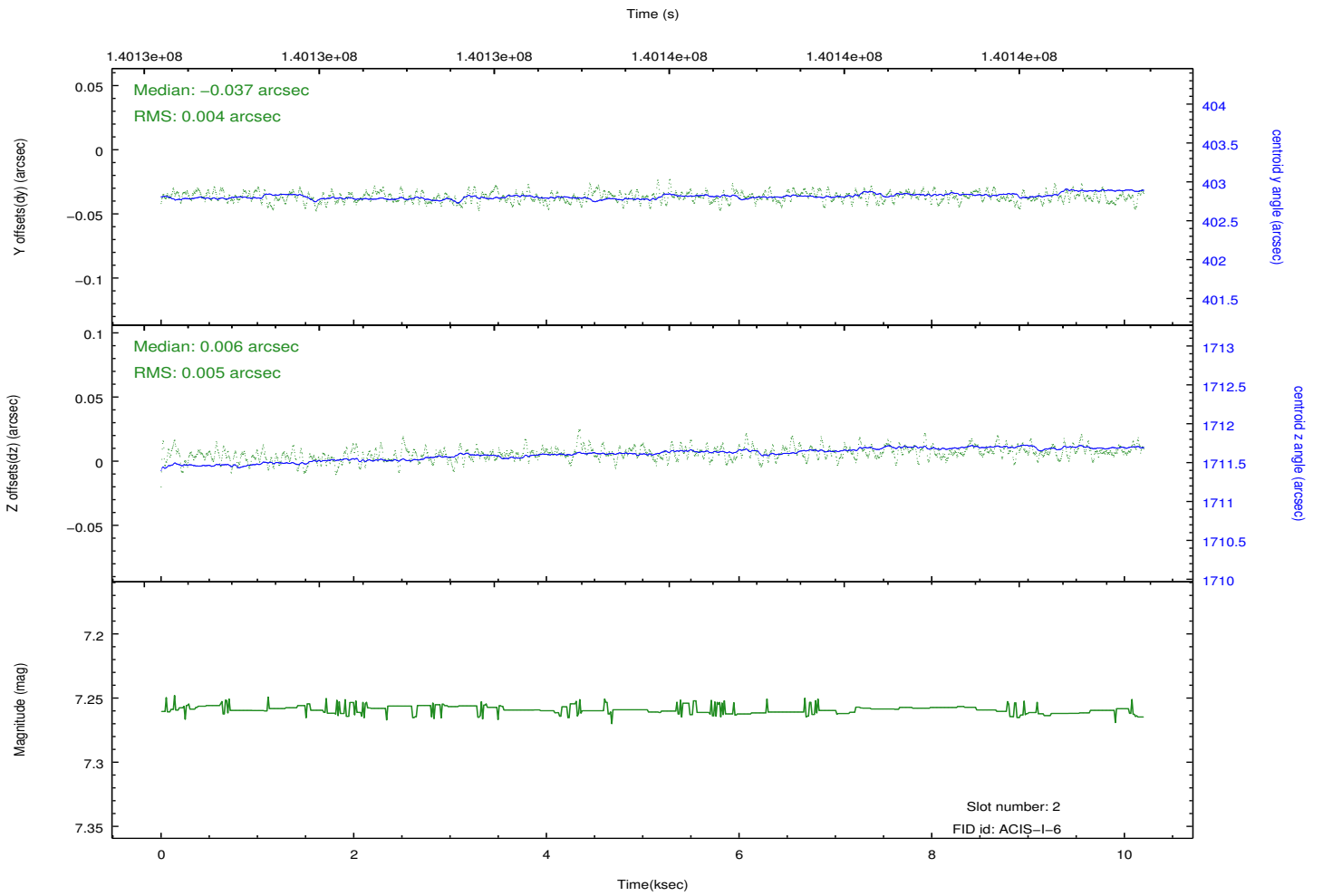
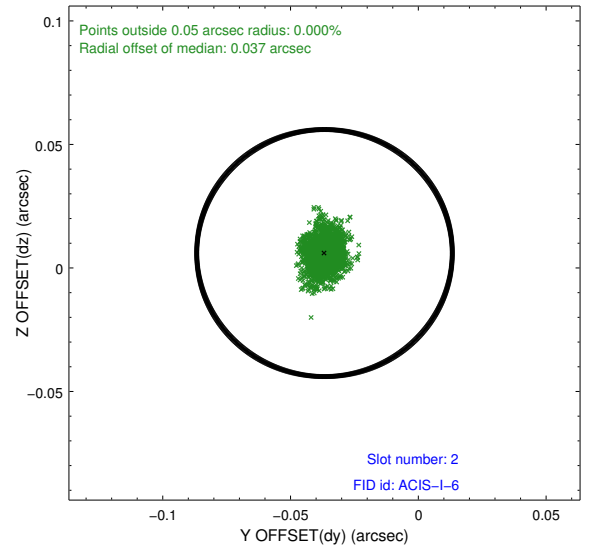
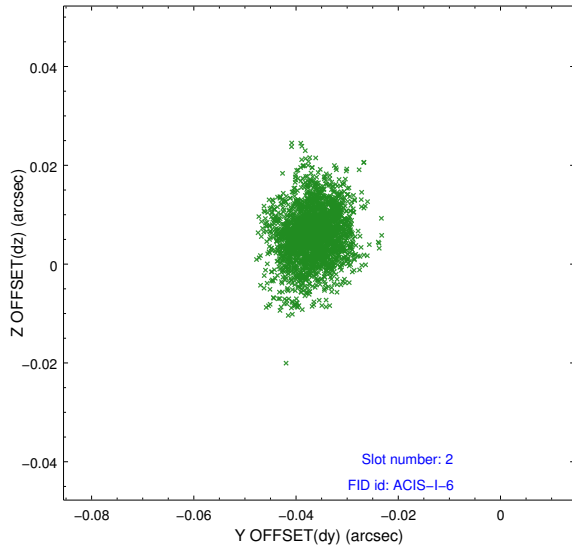
2.5.1 Slot 0



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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.195

A.2 Comments

Joint Proposal: HST