

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7705 - L2 Version 2
Chandra X-Ray Center

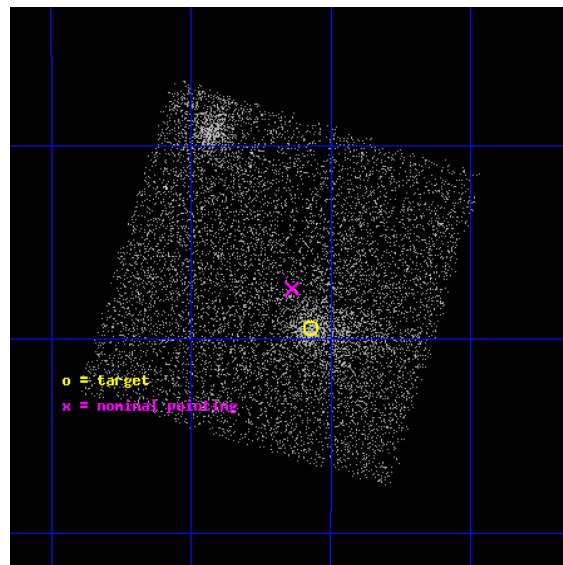
L2 Processing Date : Apr 28 2012

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1 Front

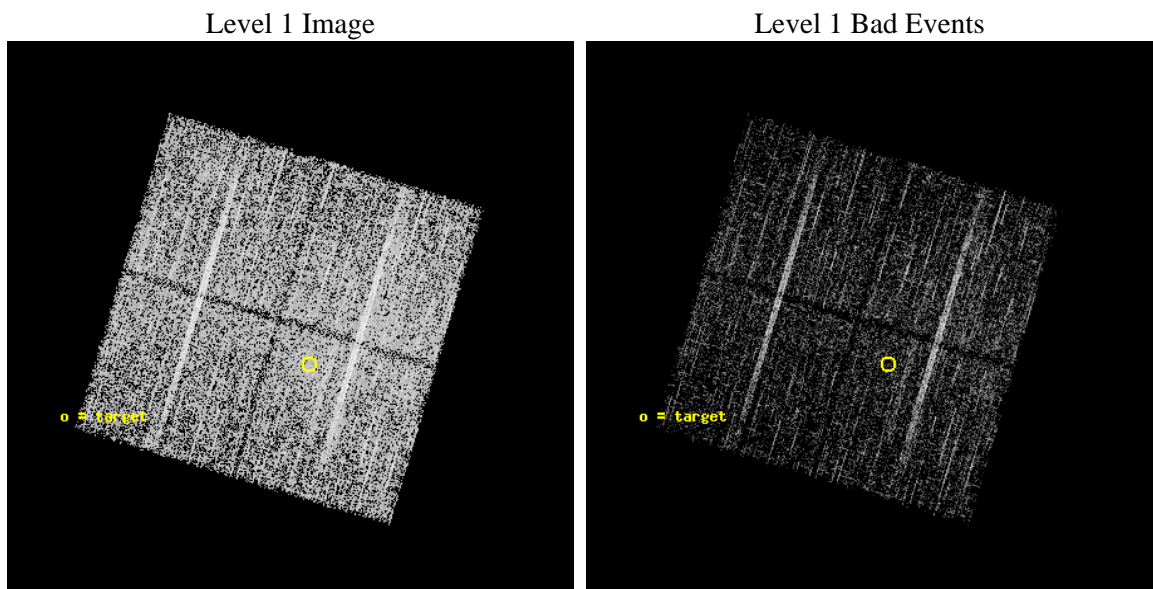
seq_num	701373	Sequence number
obs_id	7705	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	Abell222	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.393333	Observer's specified target RA [deg]
dec_targ	-12.990556	Observer's specified target Dec [deg]
ra_nom	24.409876424695	Nominal RA [deg]
dec_nom	-12.956805948635	Nominal Dec [deg]
roll_nom	106.79990495152	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4789.1543859839	Sum of GTIs [s]
livetime	4726.5805582069	Livetime [s]
ontime0	4792.1722263098	Sum of GTIs [s]
ontime1	4792.2132663131	Sum of GTIs [s]
ontime2	4792.2543063164	Sum of GTIs [s]
ontime3	4789.1543859839	Sum of GTIs [s]
l2events	10944	Number of level 2 events



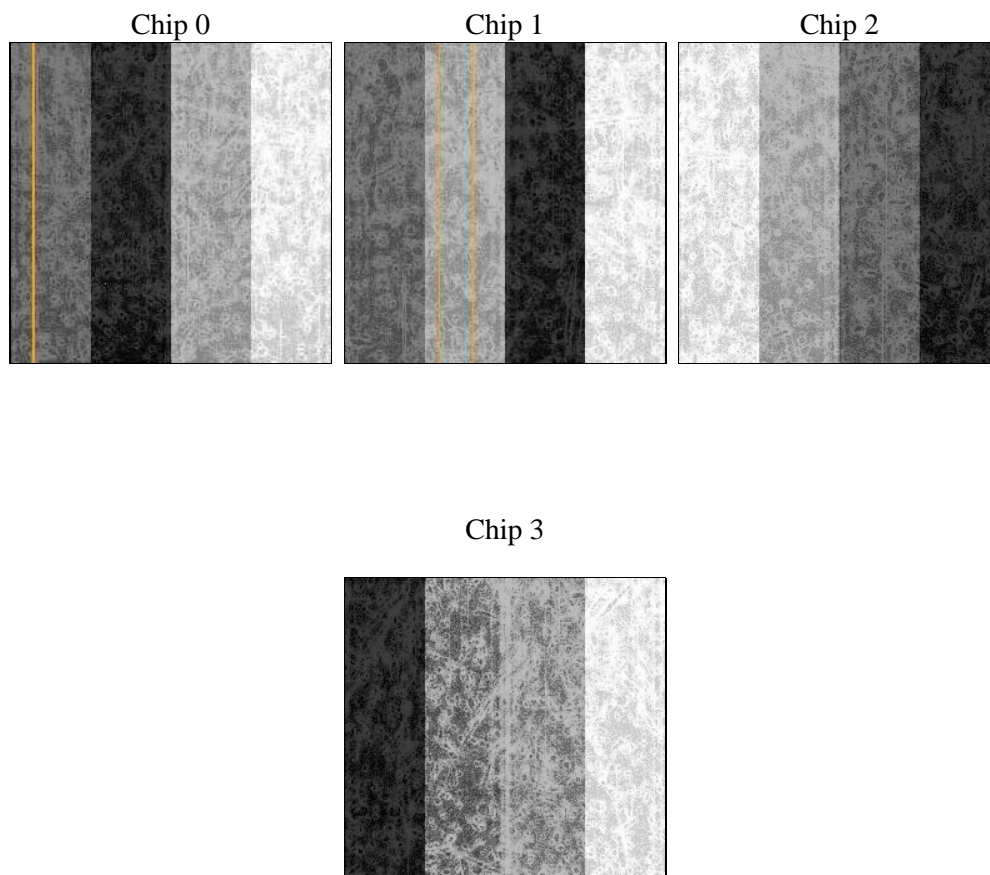
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4789.1543859839	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4792.1722263098	Sum of GTIs [s]
date	2012-04-28T14:35:19	Date and time of file creation	ontime1	4792.2132663131	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4792.2543063164	Sum of GTIs [s]
			ontime3	4789.1543859839	Sum of GTIs [s]
			l1events	131348	Number of level 1 events

2.1.4 Events

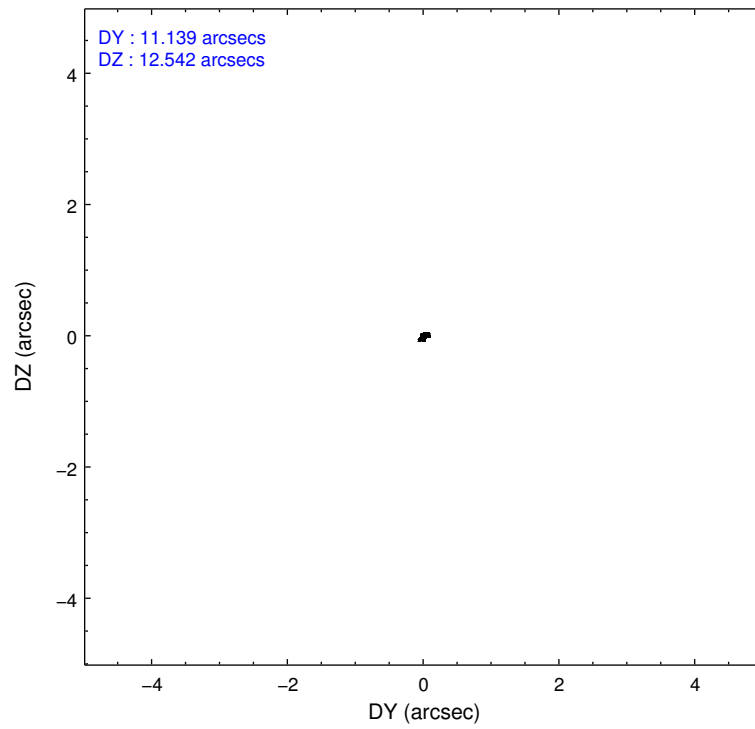
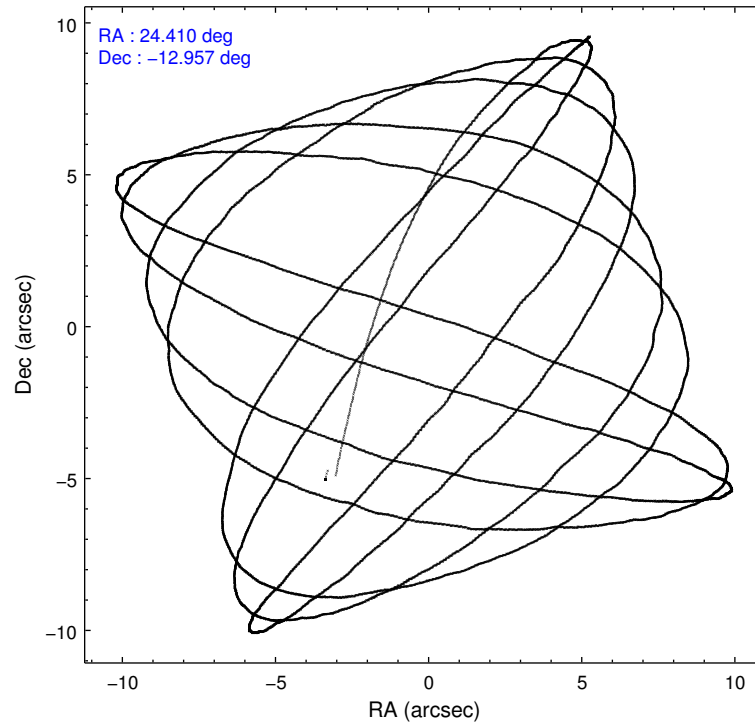
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	32313	28286	36750	33999
rejected events	28557	25304	33918	30176
rejected %	88%	89%	92%	88%

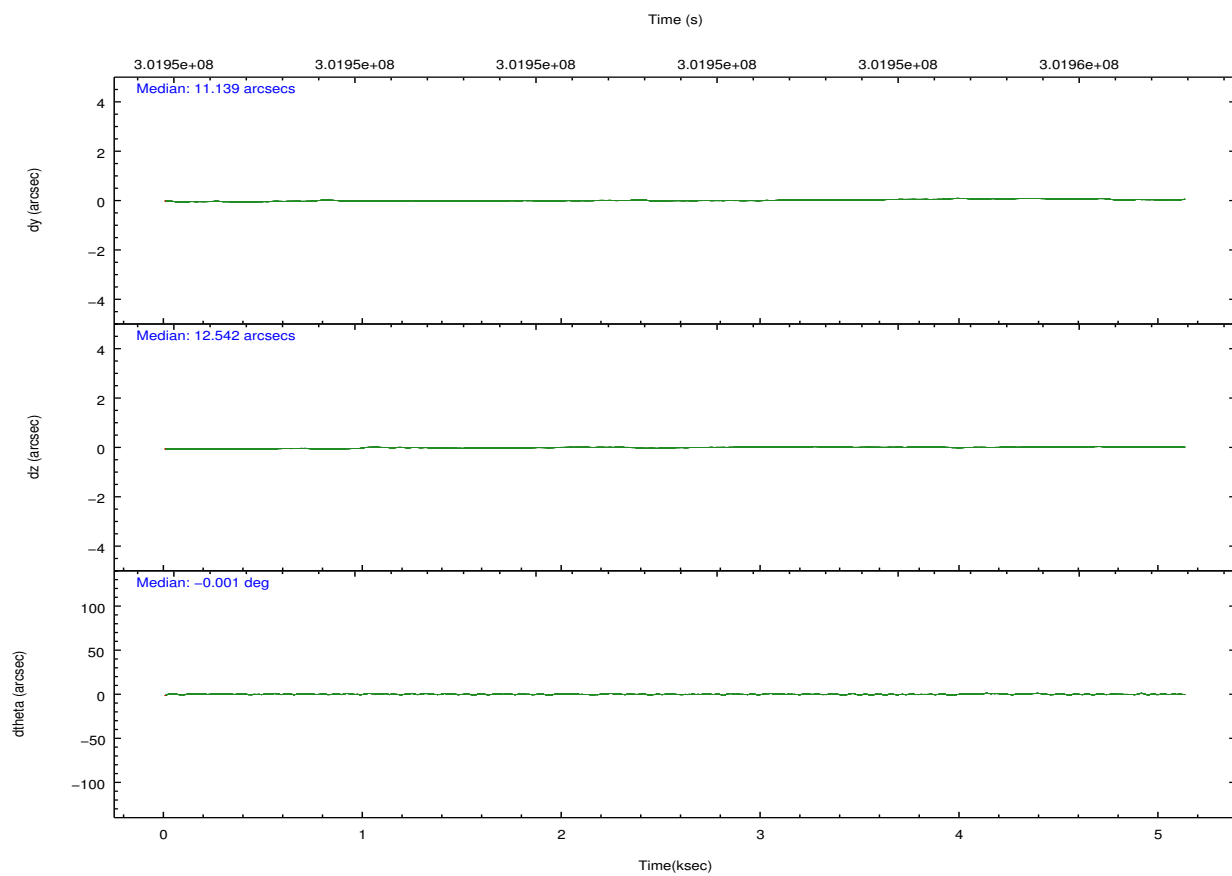
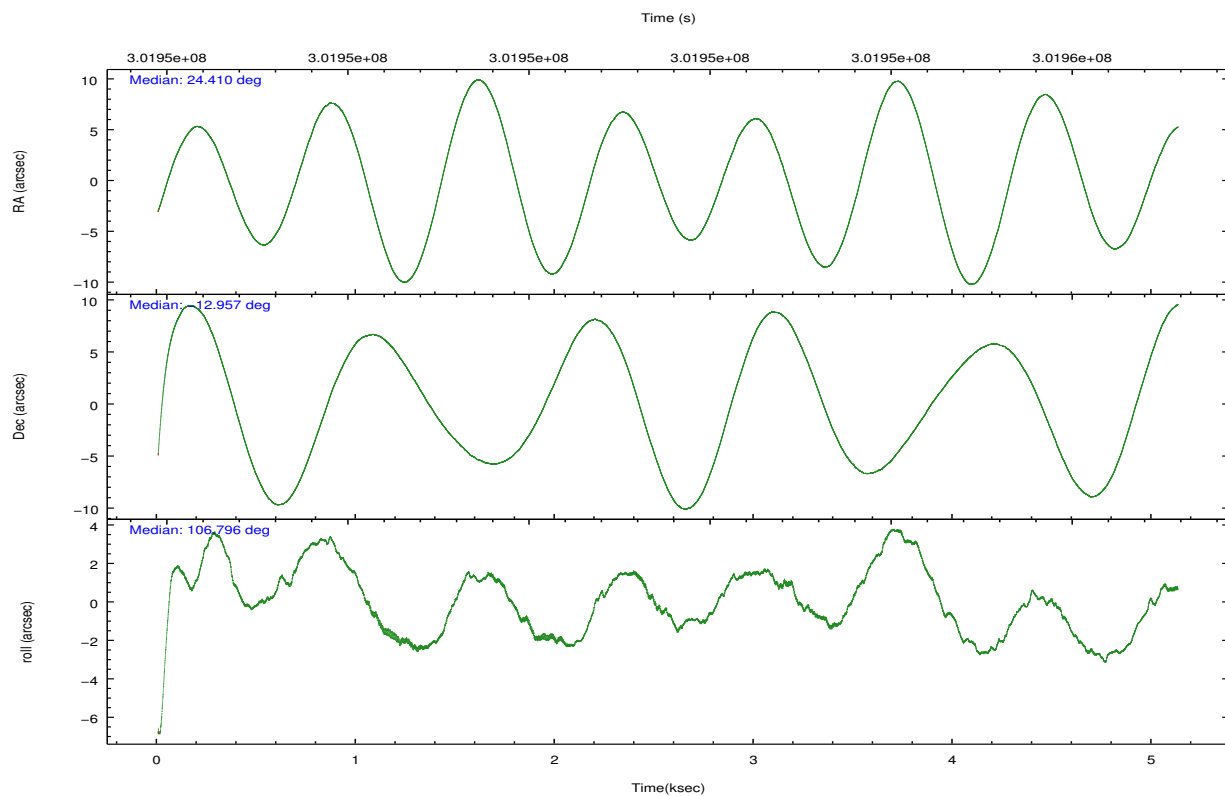
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1919	1220	1248	2022
	5%	4%	3%	5%
grade 1 events	19	15	25	33
	0%	0%	0%	0%
grade 2 events	748	629	618	707
	2%	2%	1%	2%
grade 3 events	340	359	267	340
	1%	1%	0%	1%
grade 4 events	332	330	326	318
	1%	1%	0%	0%
grade 5 events	550	608	434	656
	1%	2%	1%	1%
grade 6 events	423	445	375	437
	1%	1%	1%	1%
grade 7 events	27982	24680	33457	29486
	86%	87%	91%	86%

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	24.430523	24.4098764246948	Subarray requested	NONE	NONE
[deg] Pointing Dec	-12.975584	-12.95680594863506	Alternating exposures requested	N	N
[deg] Pointing Roll	106.595873	106.7999049515184	[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)	301950343.184000	301948816.29816			
Observation start date	2007-07-27T19:04:38	2007-07-27T18:40:16			
[s] Observation end time (MET)	301955343.184000	301956082.01101			
Observation end date	2007-07-27T20:27:58	2007-07-27T20:41:22			
Read mode	TIMED	TIMED			

2.3 Aspect



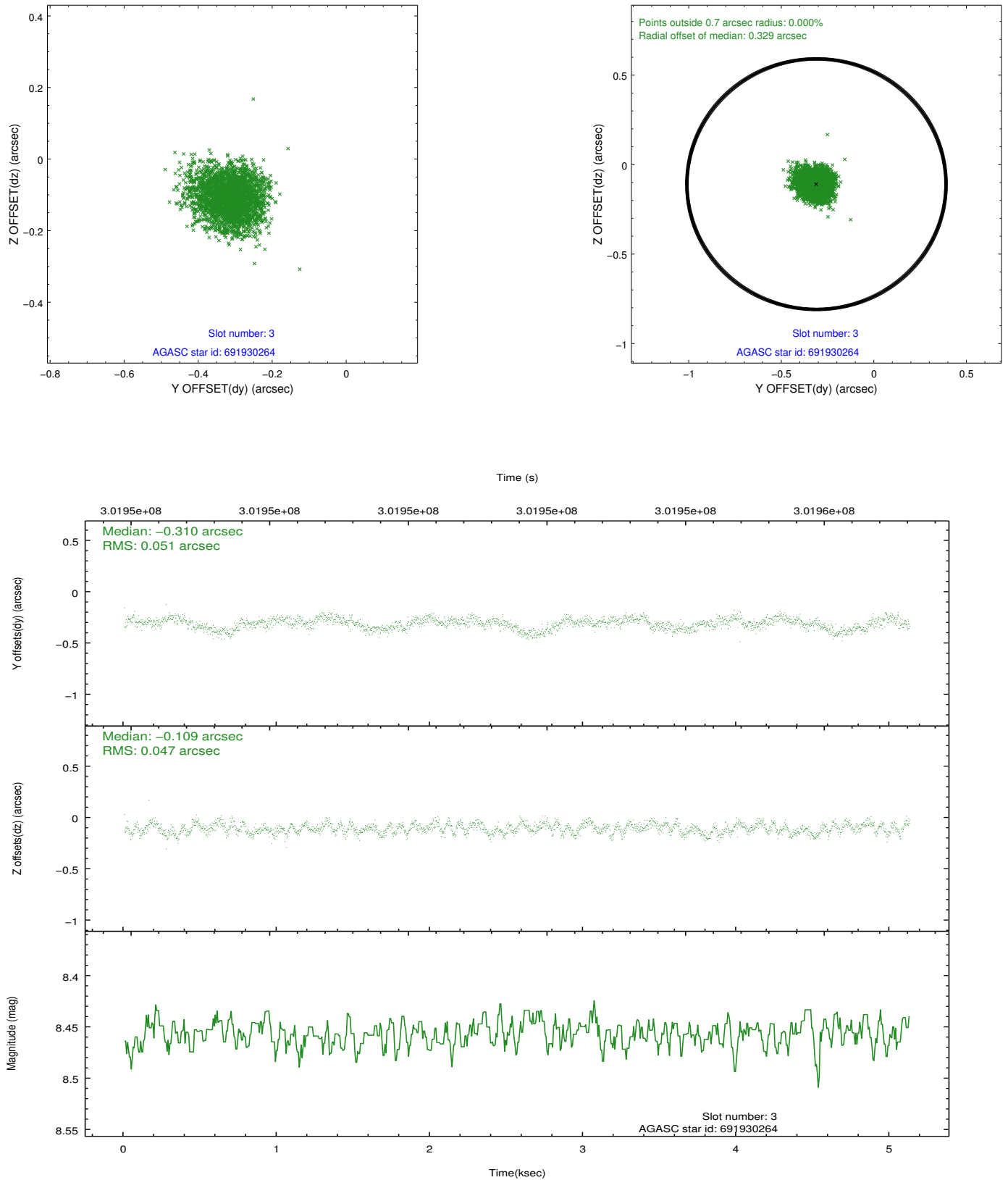


Slot Statistics

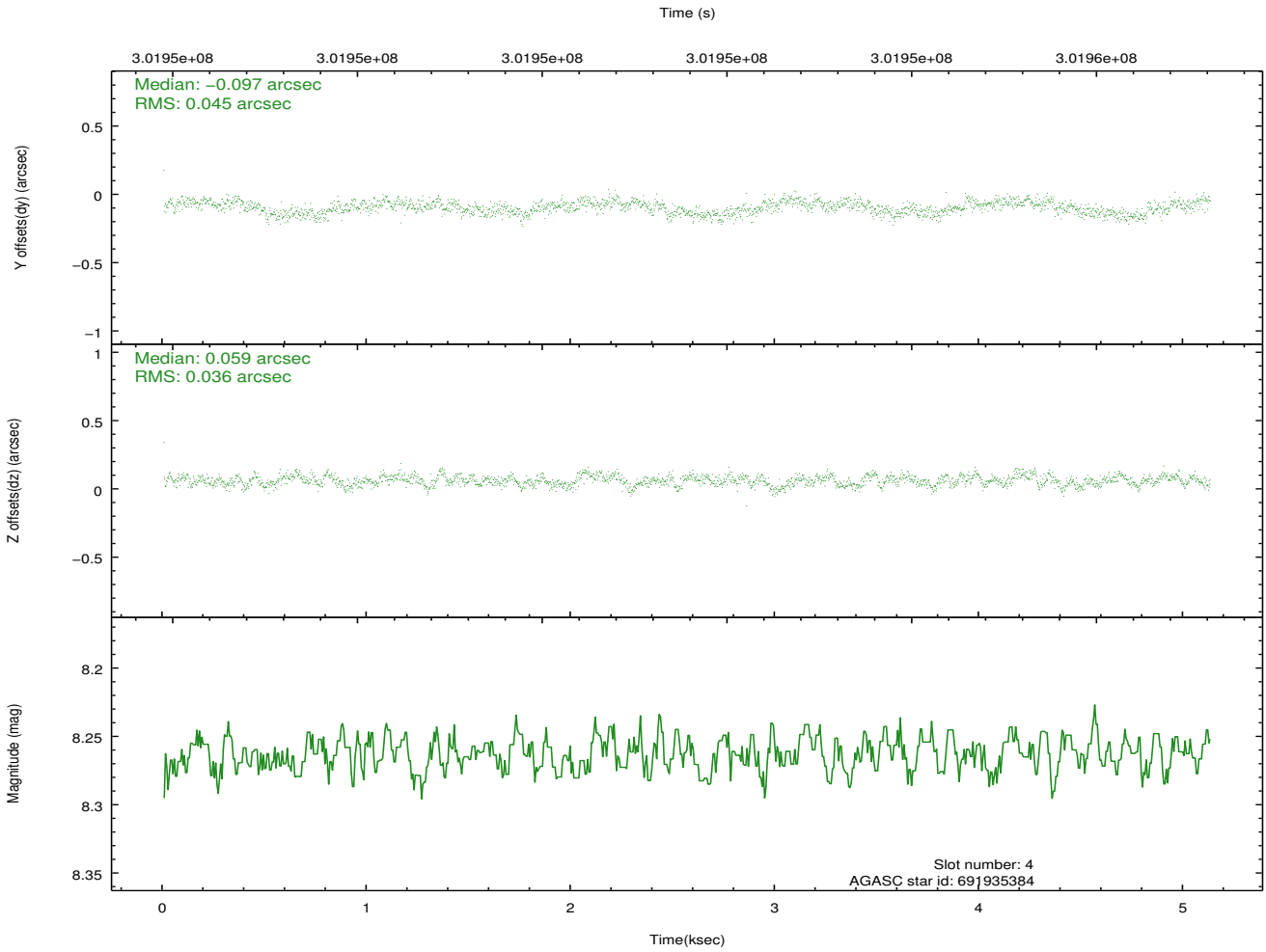
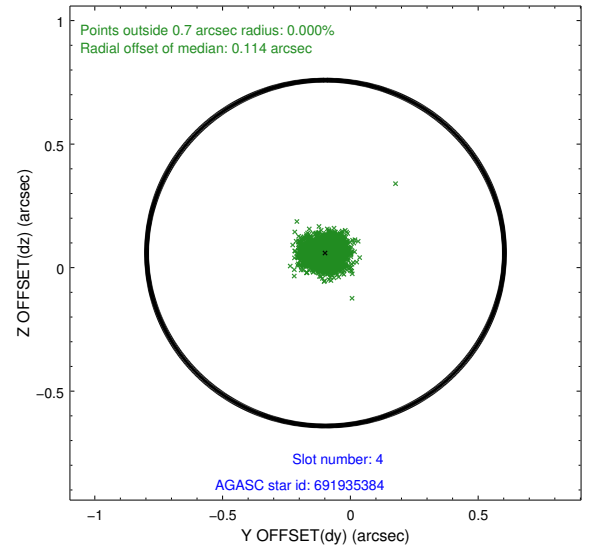
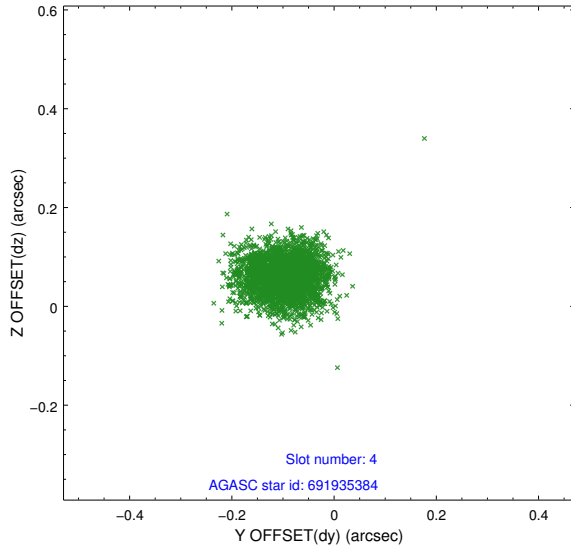
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1251	0.065	-0.027	0.006	0.010	0.000000	0.000000	928.47	-836.10
1	FID	ACIS-I-5	7.23	1251	-0.217	0.067	0.006	0.011	0.000000	0.000000	-1819.24	1060.92
2	FID	ACIS-I-6	7.24	1251	0.061	0.030	0.007	0.011	0.000000	0.000000	392.75	1706.70
3	GUIDE	691930264	8.46	2500	-0.310	-0.109	0.075	0.117	24.097108	-12.733000	1170.28	873.02
4	GUIDE	691935384	8.26	2501	-0.097	0.059	0.062	0.097	24.362037	-12.440919	1913.78	-318.43
5	GUIDE	691935432	9.11	2500	-0.098	0.148	0.094	0.172	24.661372	-12.639758	927.47	-1122.03
6	GUIDE	691937960	9.79	2498	0.199	0.302	0.160	0.271	25.047145	-13.440657	-2223.19	-1590.31
7	GUIDE	691938888	9.65	2498	0.301	-0.396	0.106	0.171	24.405742	-13.119993	-473.95	230.92

2.4 Star Slots

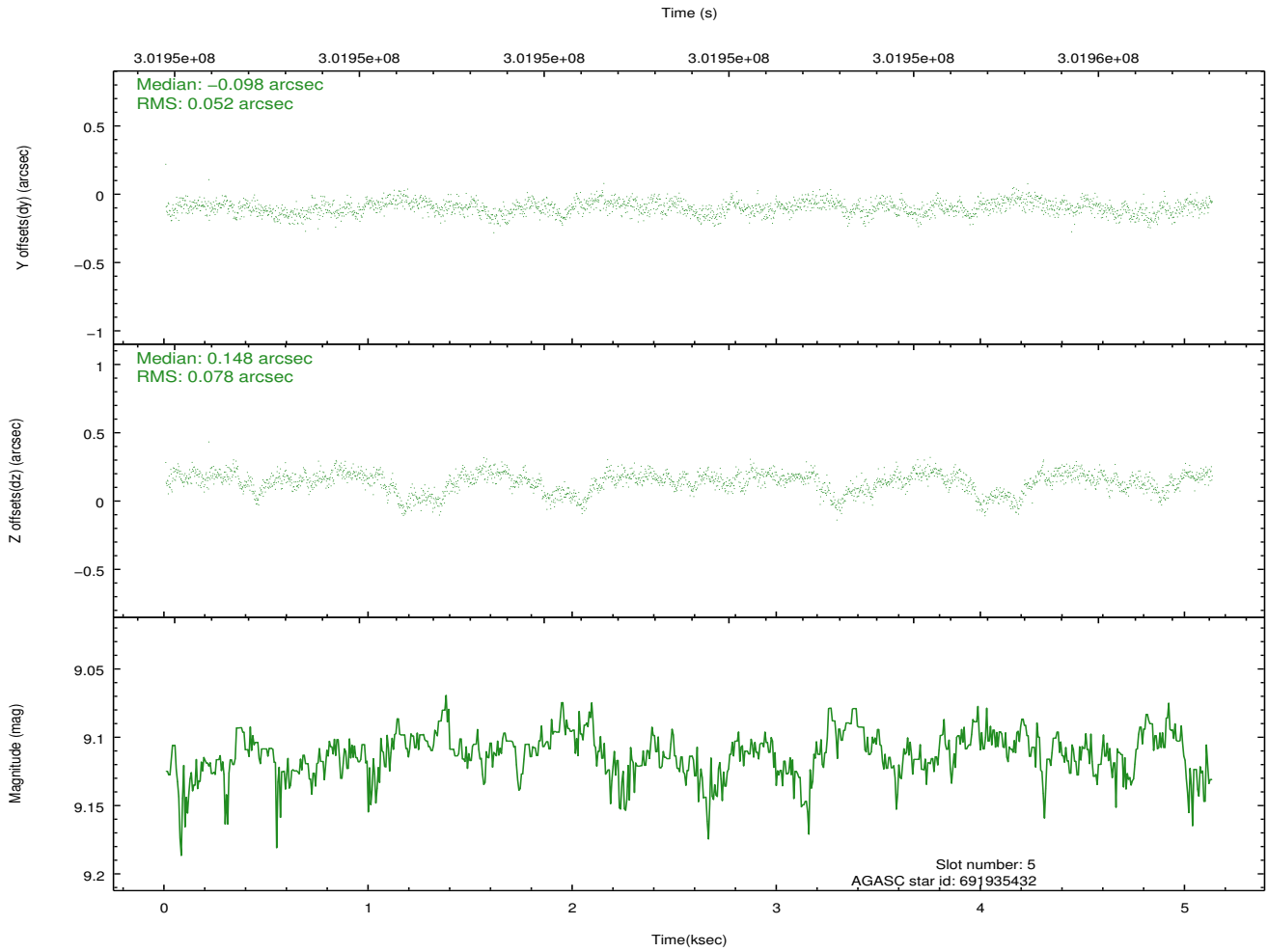
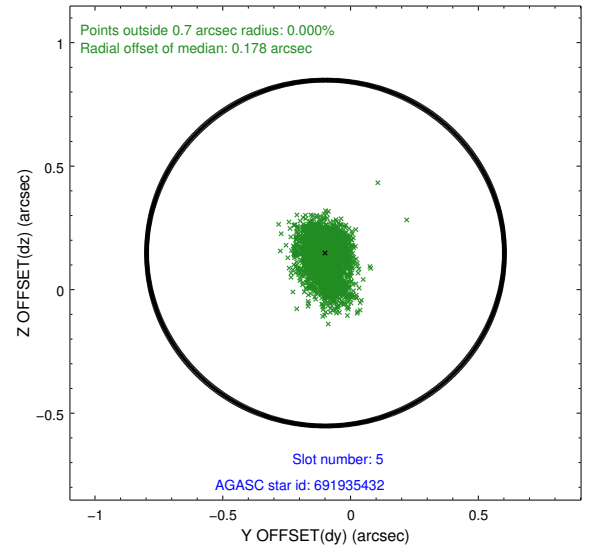
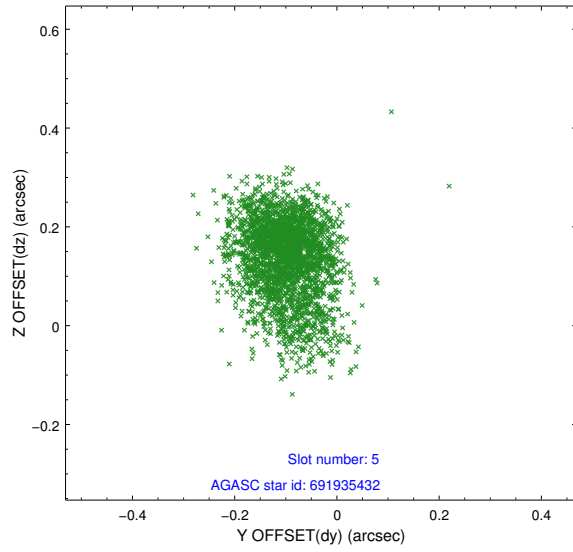
2.4.1 Slot 3



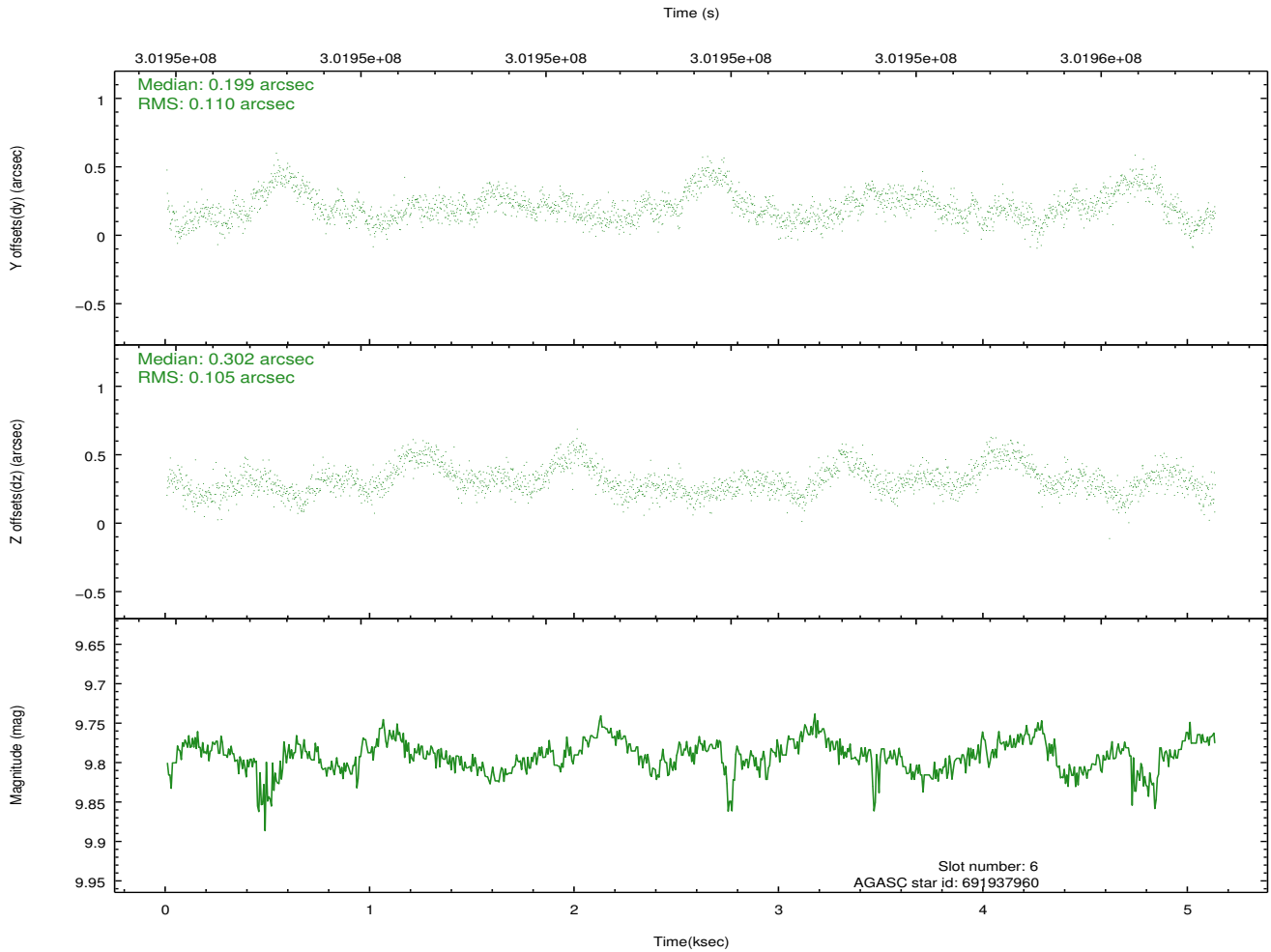
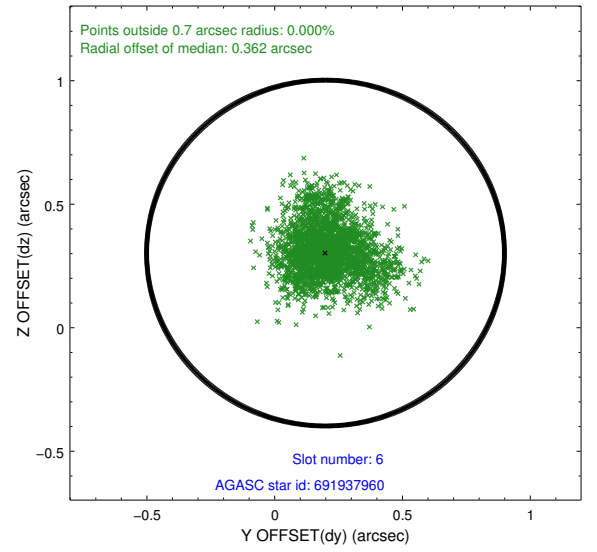
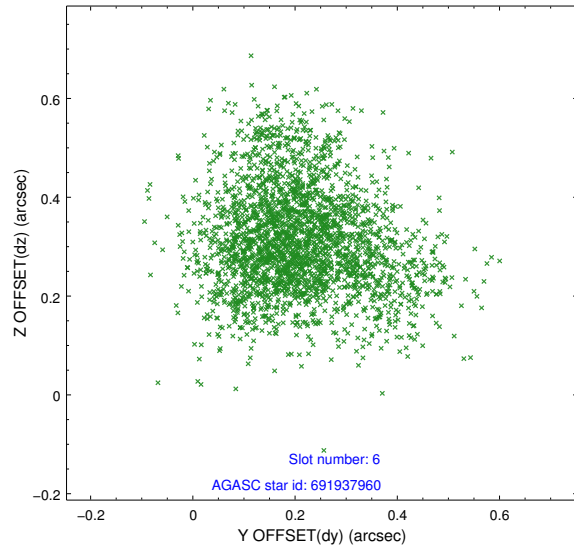
2.4.2 Slot 4



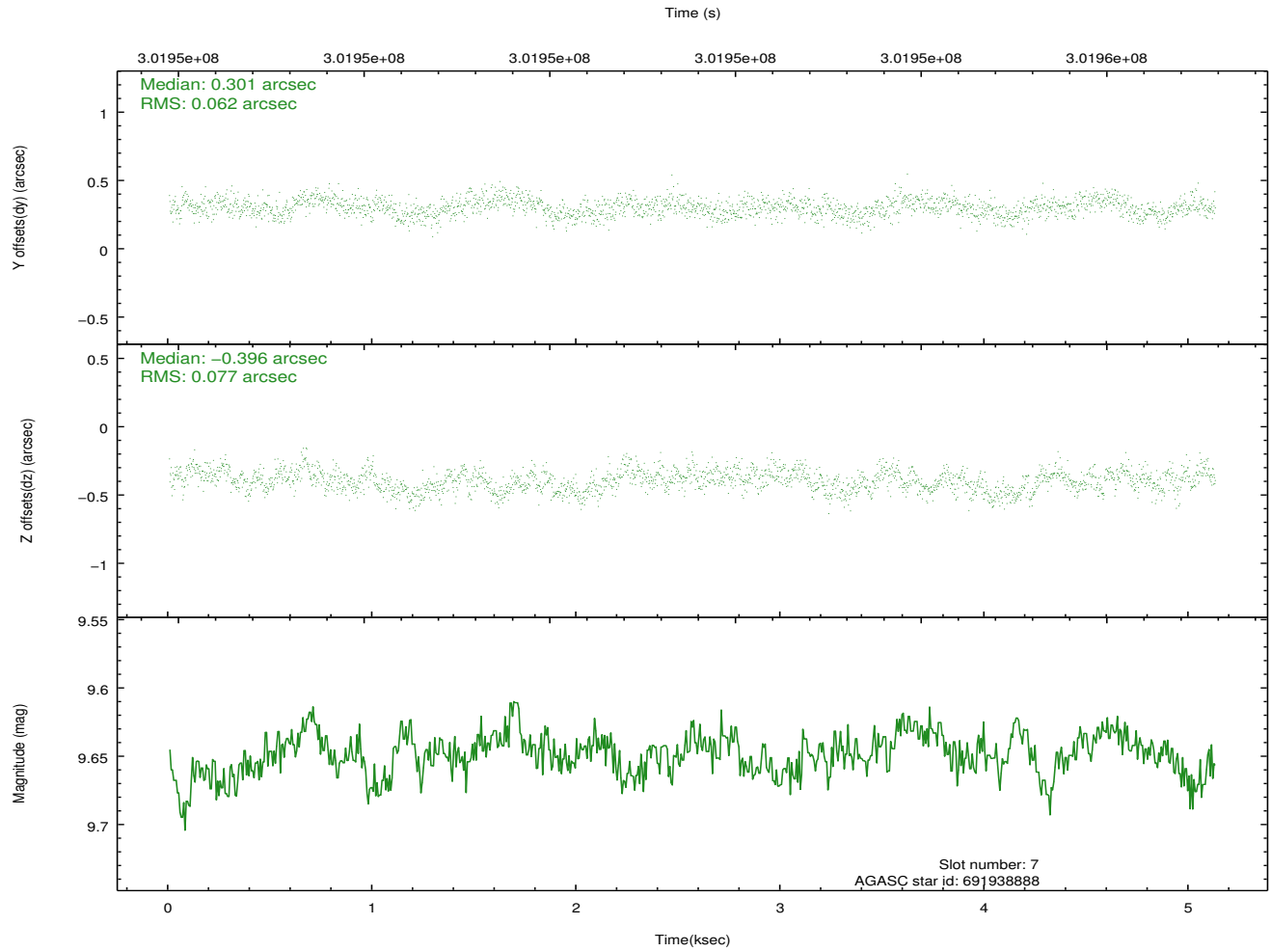
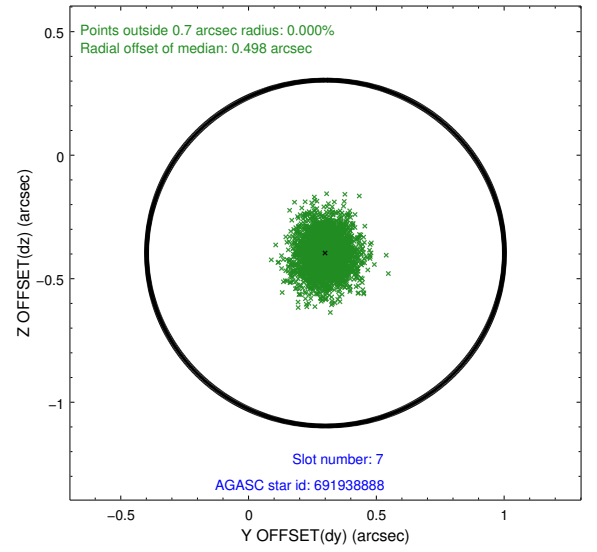
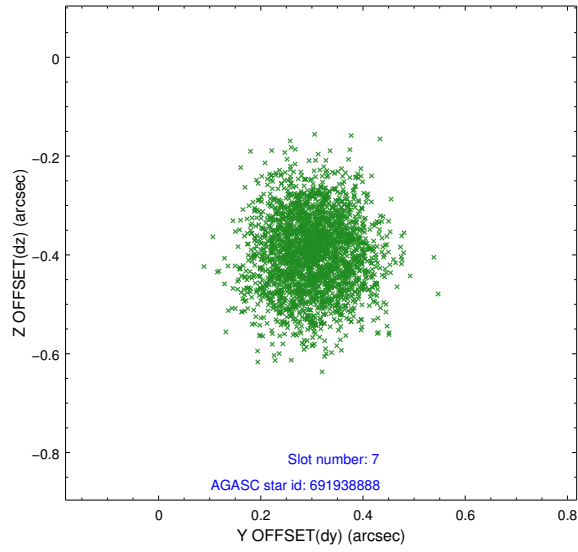
2.4.3 Slot 5



2.4.4 Slot 6

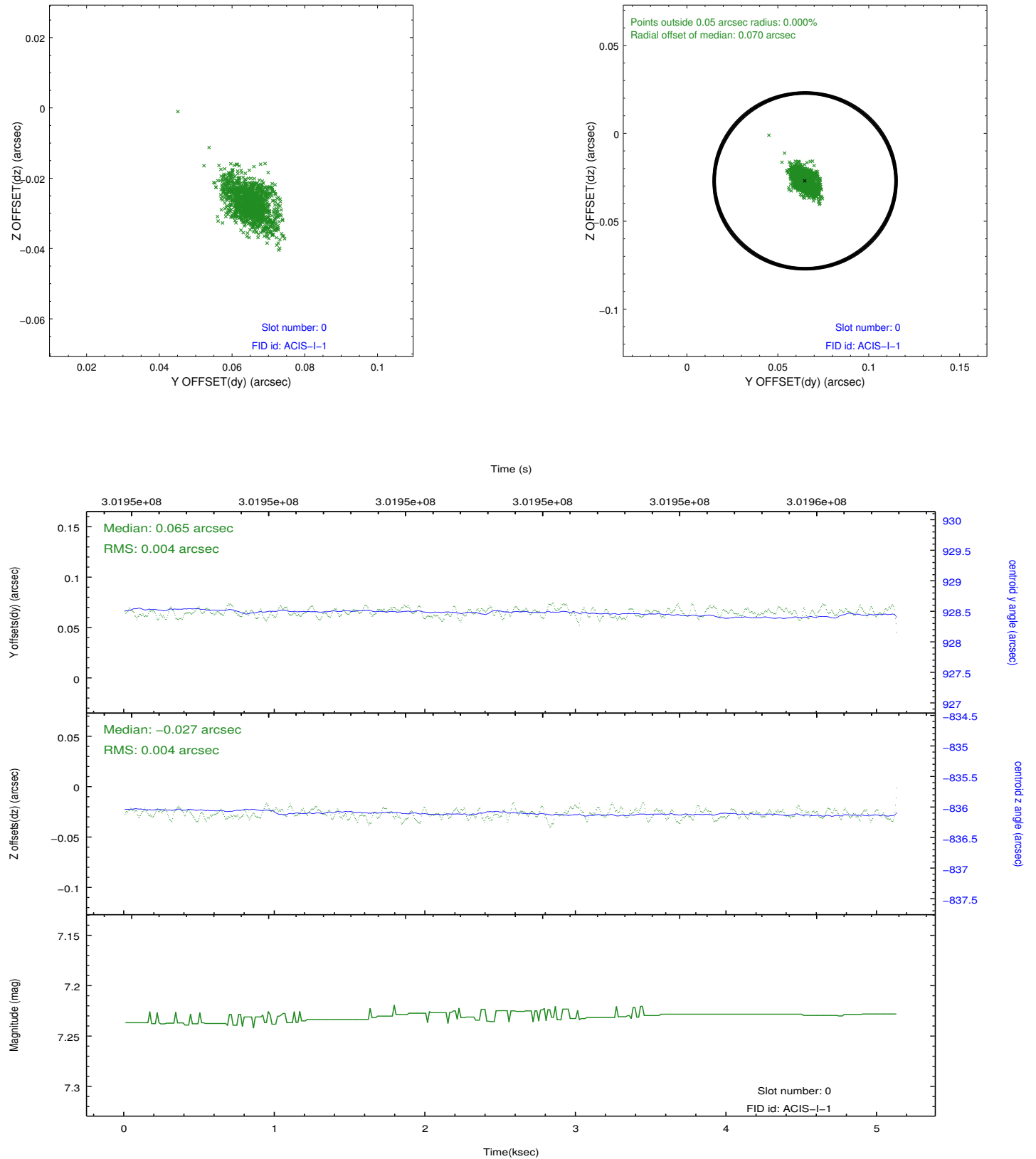


2.4.5 Slot 7

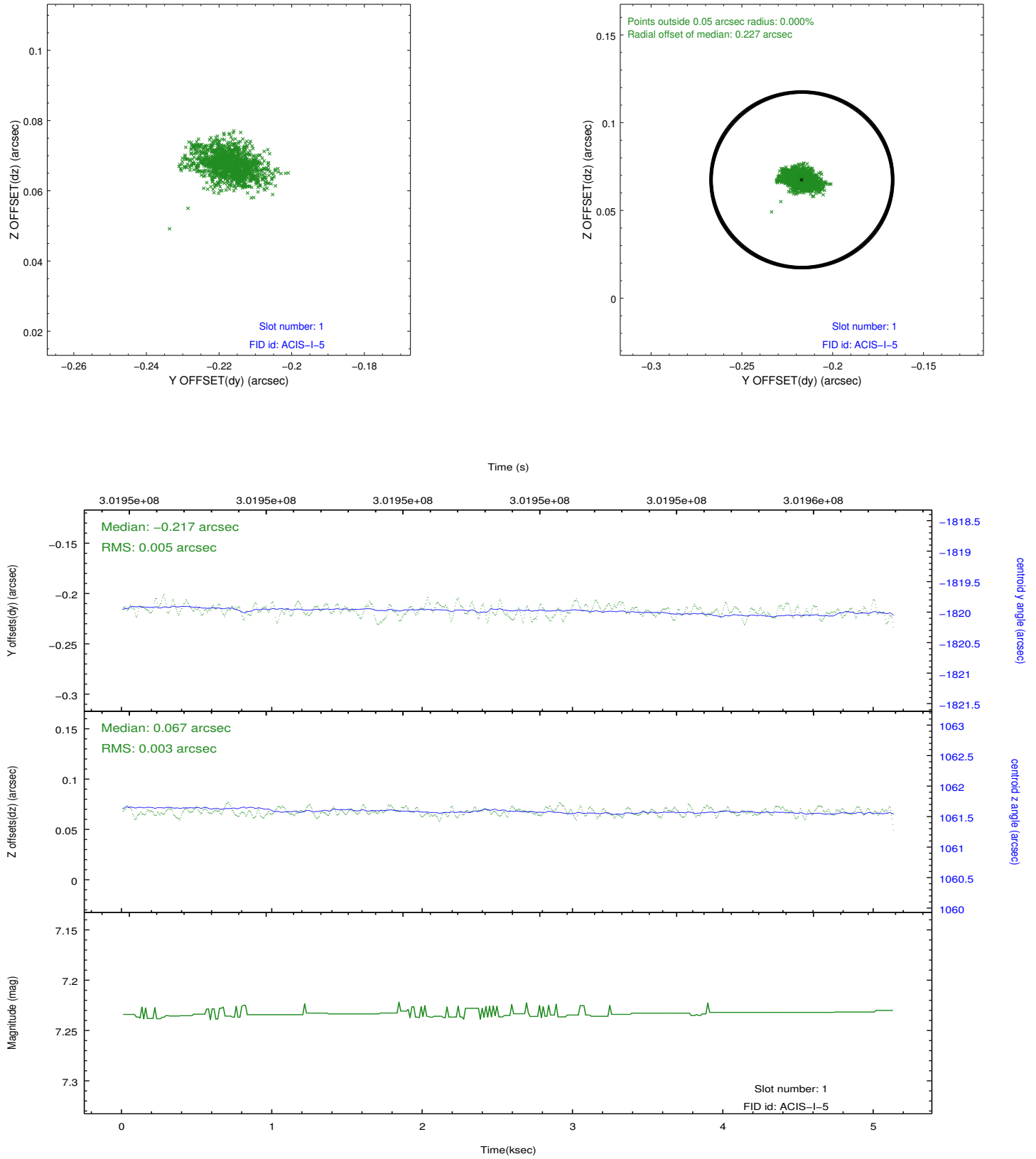


2.5 FID Slots

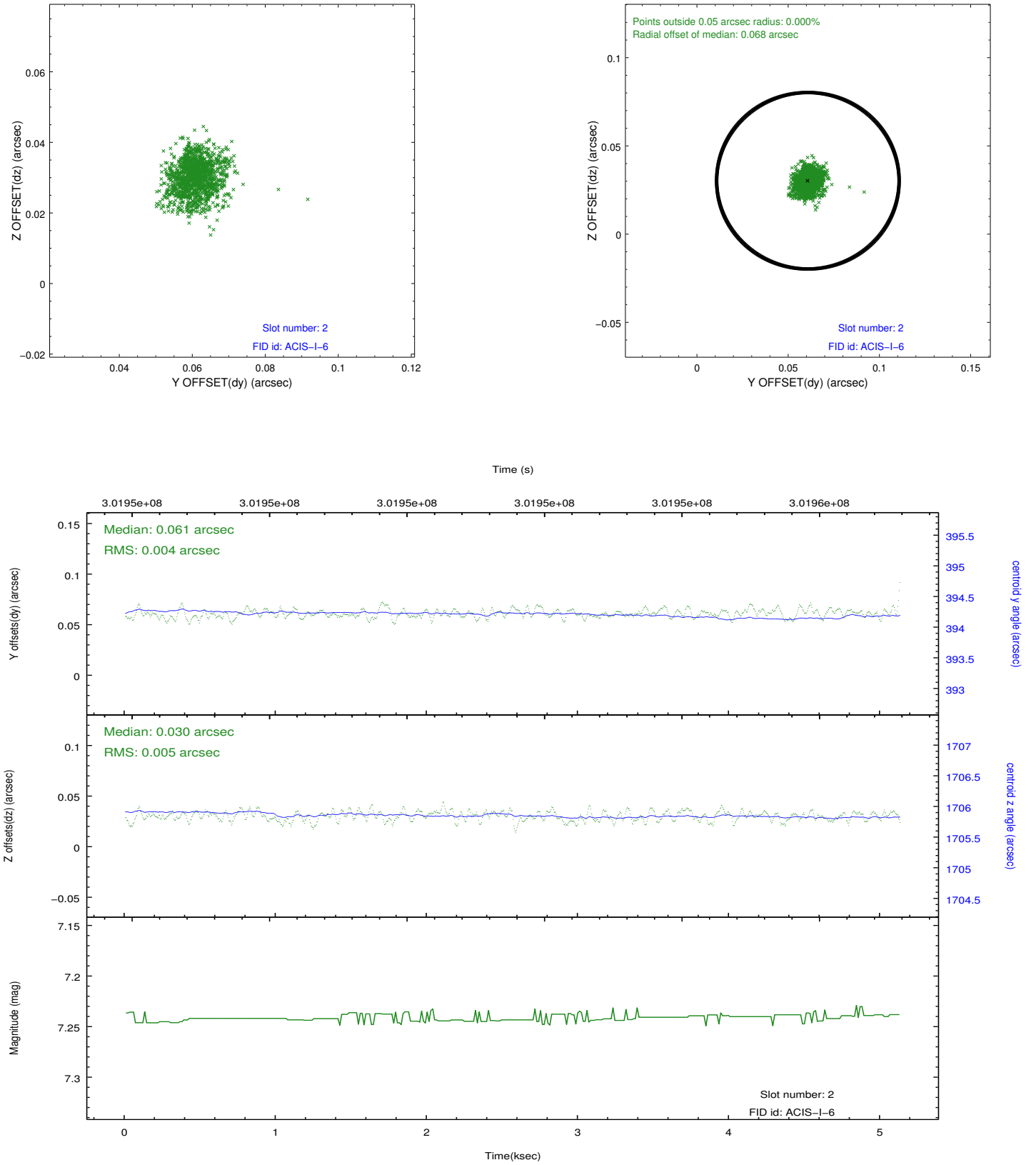
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.78945907

A.2 Comments