

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7709 - L2 Version 3
Chandra X-Ray Center

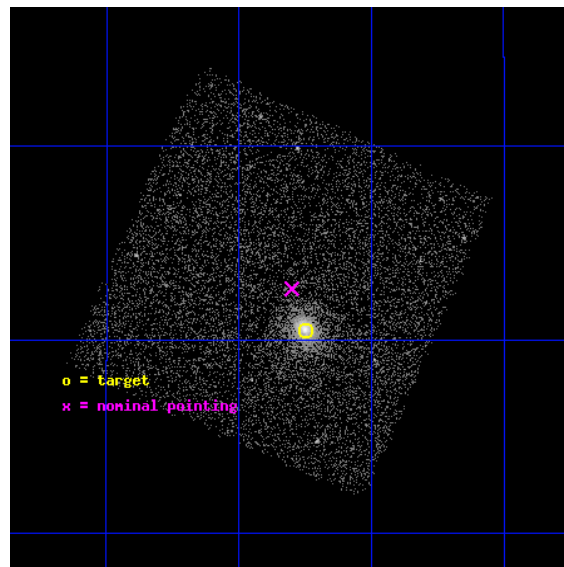
L2 Processing Date : Apr 22 2012

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1 Front

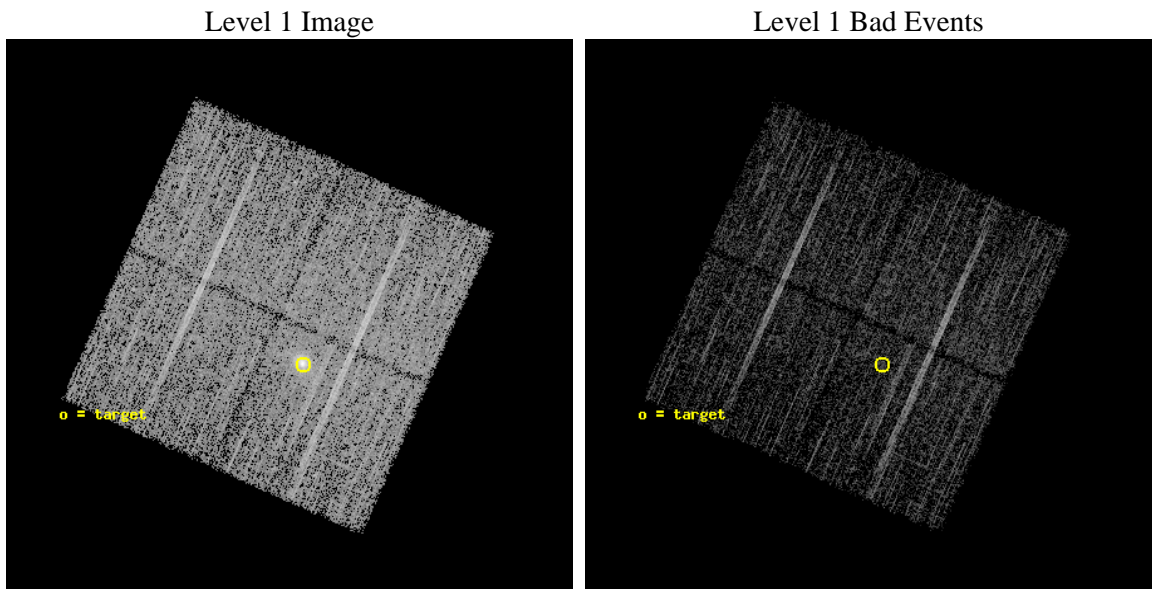
seq_num	701377	Sequence number
obs_id	7709	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	MS1455.0+2232	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	224.3125	Observer's specified target RA [deg]
dec_targ	22.341944	Observer's specified target Dec [deg]
ra_nom	224.32513764779	Nominal RA [deg]
dec_nom	22.377418988903	Nominal Dec [deg]
roll_nom	114.13017776071	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7157.8590747714	Sum of GTIs [s]
livetime	7064.3363764203	Livetime [s]
ontime0	7161.0000550747	Sum of GTIs [s]
ontime1	7161.0000550747	Sum of GTIs [s]
ontime2	7157.8590648174	Sum of GTIs [s]
ontime3	7157.8590747714	Sum of GTIs [s]
l2events	18741	Number of level 2 events



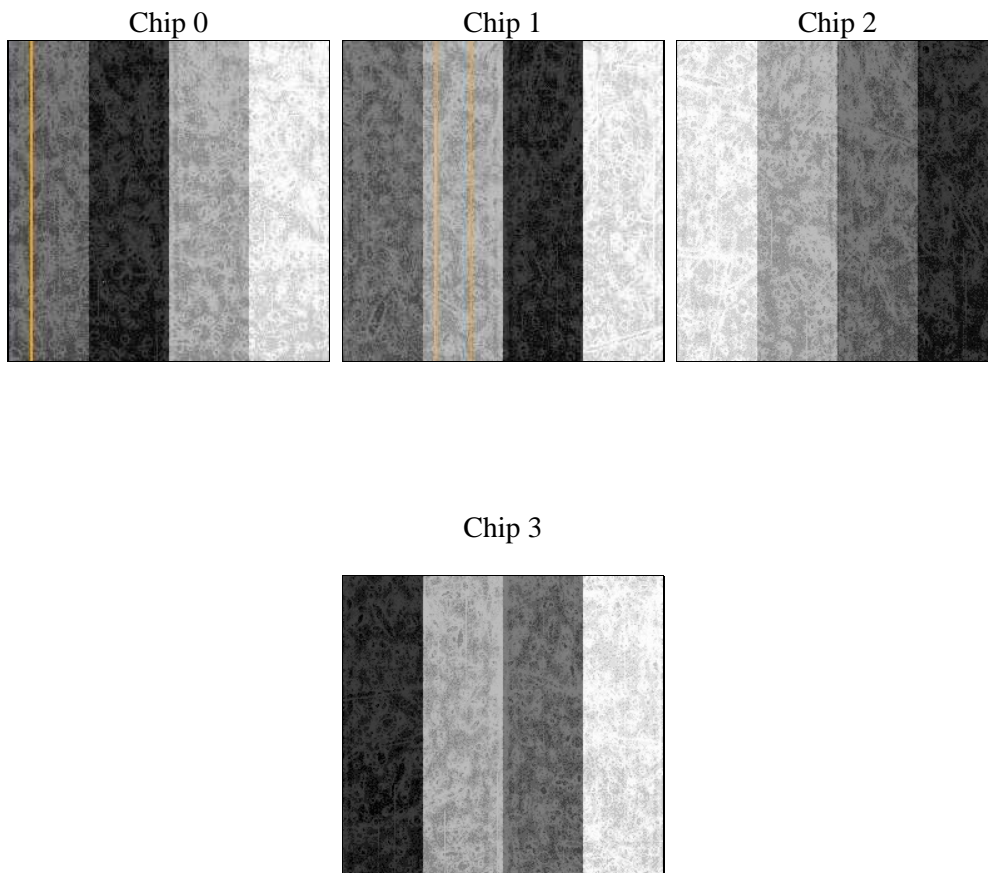
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7157.8590747714	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	7161.0000550747	Sum of GTIs [s]
date	2012-04-22T04:17:14	Date and time of file creation	ontime1	7161.0000550747	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7157.8590648174	Sum of GTIs [s]
			ontime3	7157.8590747714	Sum of GTIs [s]
			l1events	214520	Number of level 1 events

2.1.4 Events

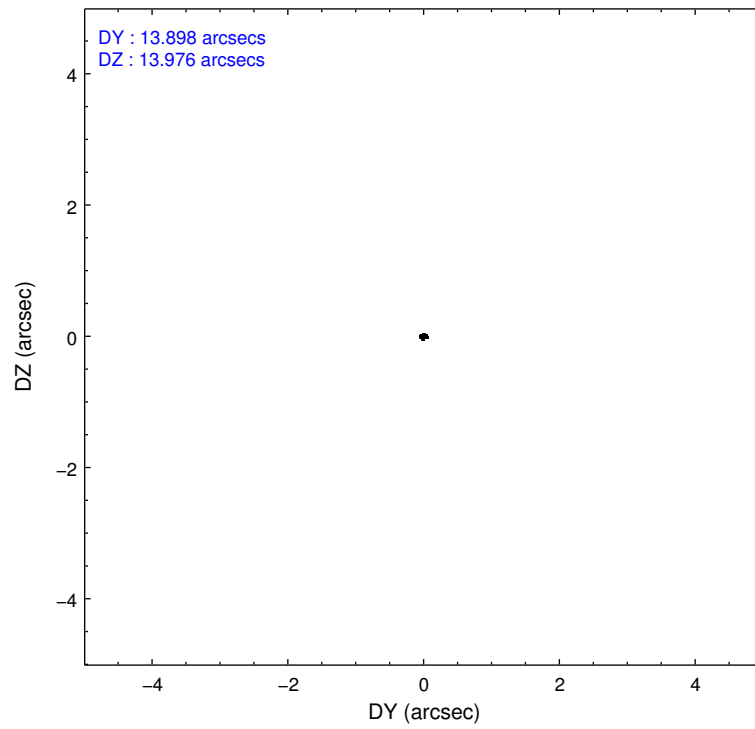
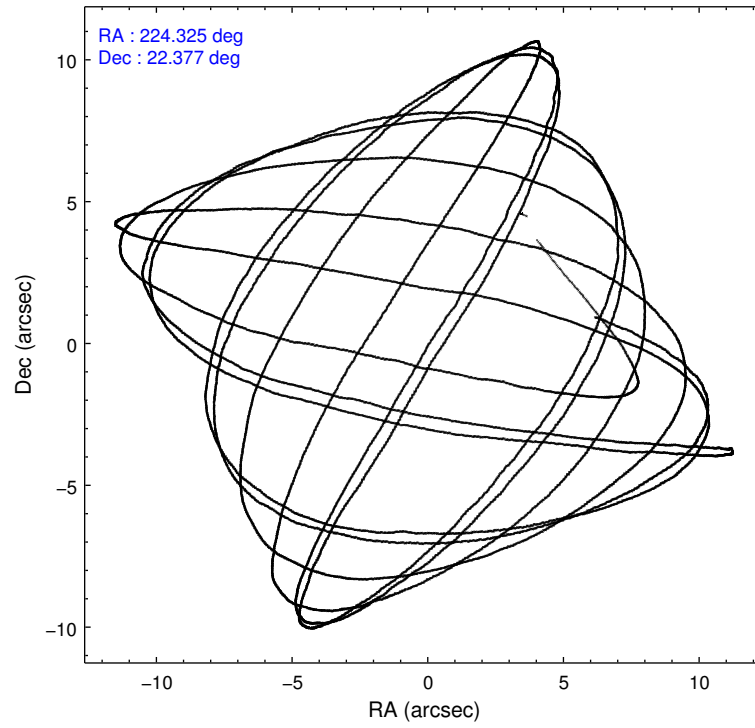
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	50718	47914	57664	58224
rejected events	46254	43468	53218	48895
rejected %	91%	90%	92%	83%

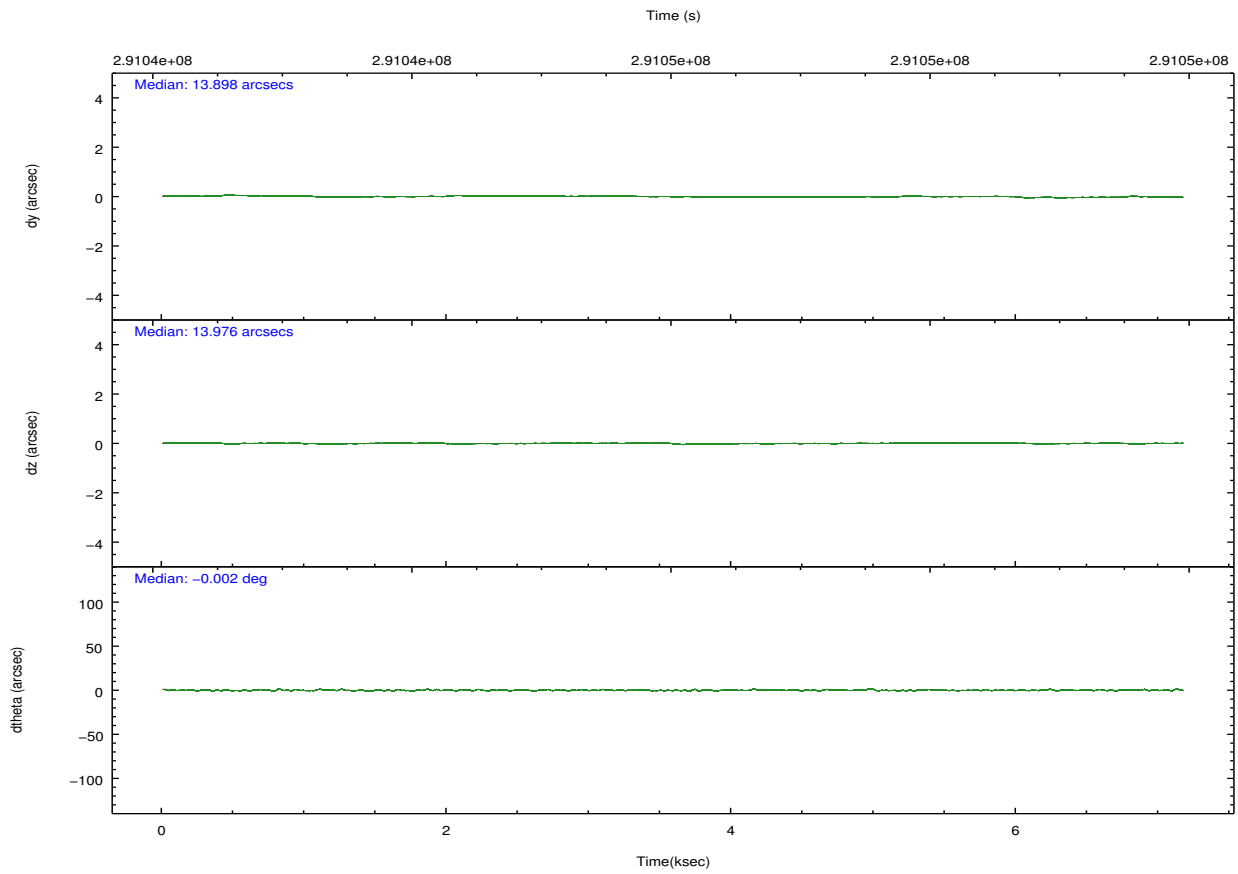
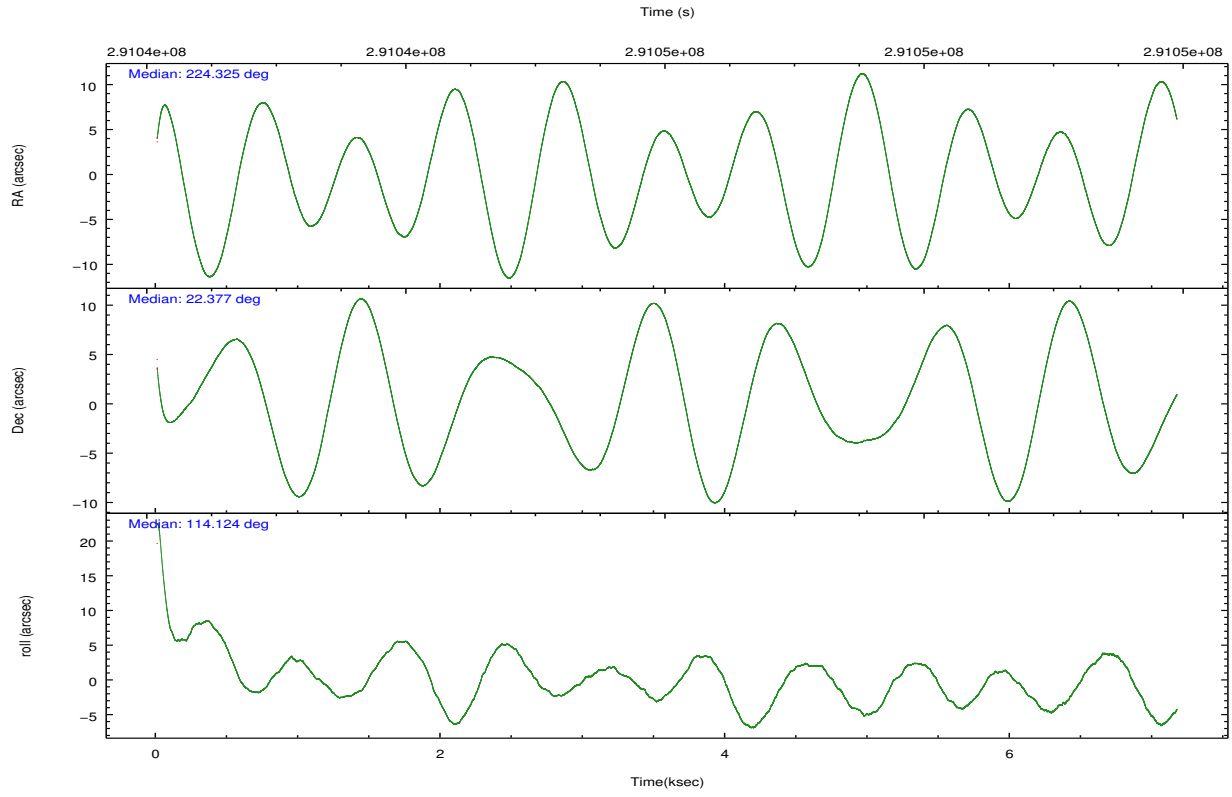
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2023	1955	2087	6302
	3%	4%	3%	10%
grade 1 events	27	37	39	54
	0%	0%	0%	0%
grade 2 events	1166	1022	1139	1433
	2%	2%	1%	2%
grade 3 events	555	569	492	666
	1%	1%	0%	1%
grade 4 events	474	564	485	620
	0%	1%	0%	1%
grade 5 events	855	965	789	1028
	1%	2%	1%	1%
grade 6 events	645	757	680	794
	1%	1%	1%	1%
grade 7 events	44973	42045	51953	47327
	88%	87%	90%	81%

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	224.349295	224.3251376477905	Subarray requested	NONE	NONE
[deg] Pointing Dec	22.361415	22.37741898890289	Alternating exposures requested	N	N
[deg] Pointing Roll	113.912270	114.1301777607113	[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)	291042611.184000	291041345.92705			
Observation start date	2007-03-23T13:09:06	2007-03-23T12:49:05			
[s] Observation end time (MET)	291049611.184000	291050346.45248			
Observation end date	2007-03-23T15:05:46	2007-03-23T15:19:06			
Read mode	TIMED	TIMED			

2.3 Aspect



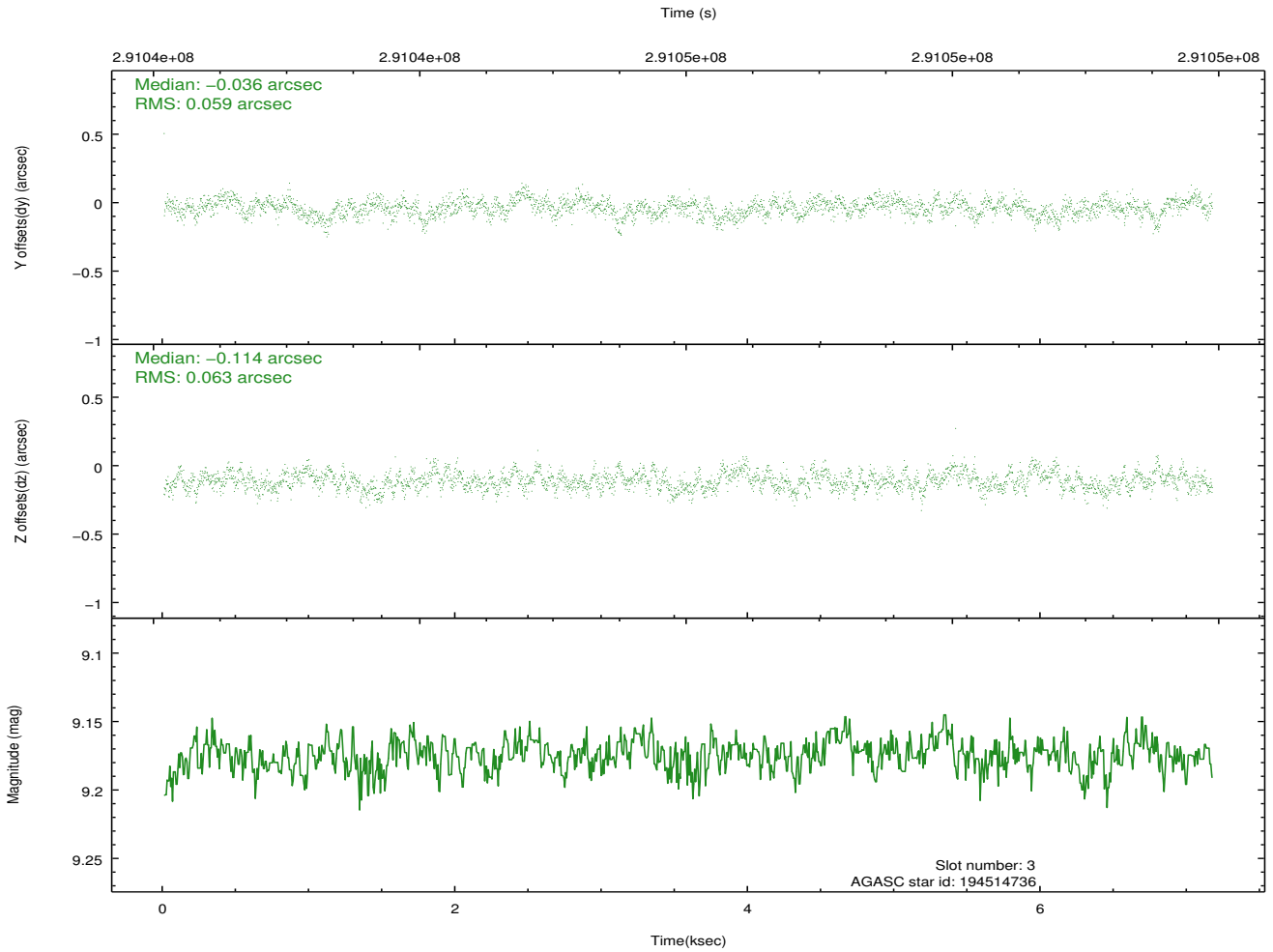
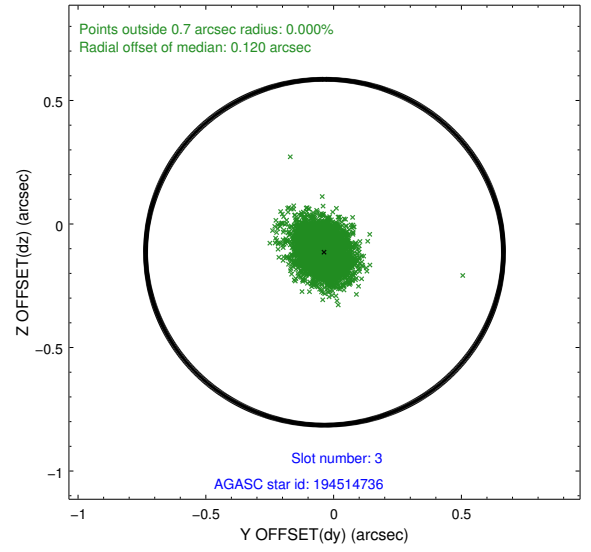
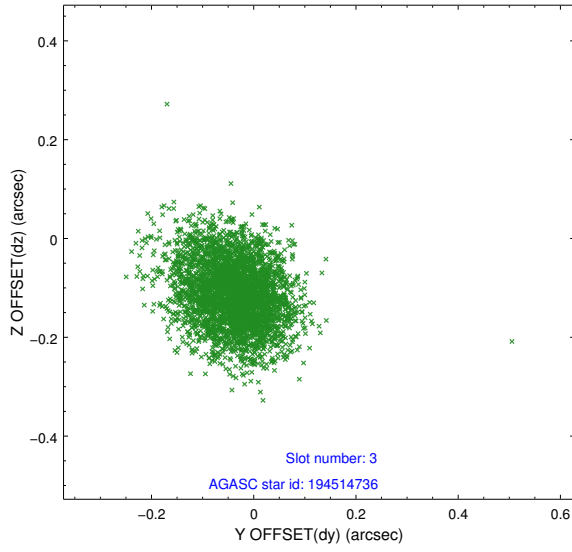


Slot Statistics

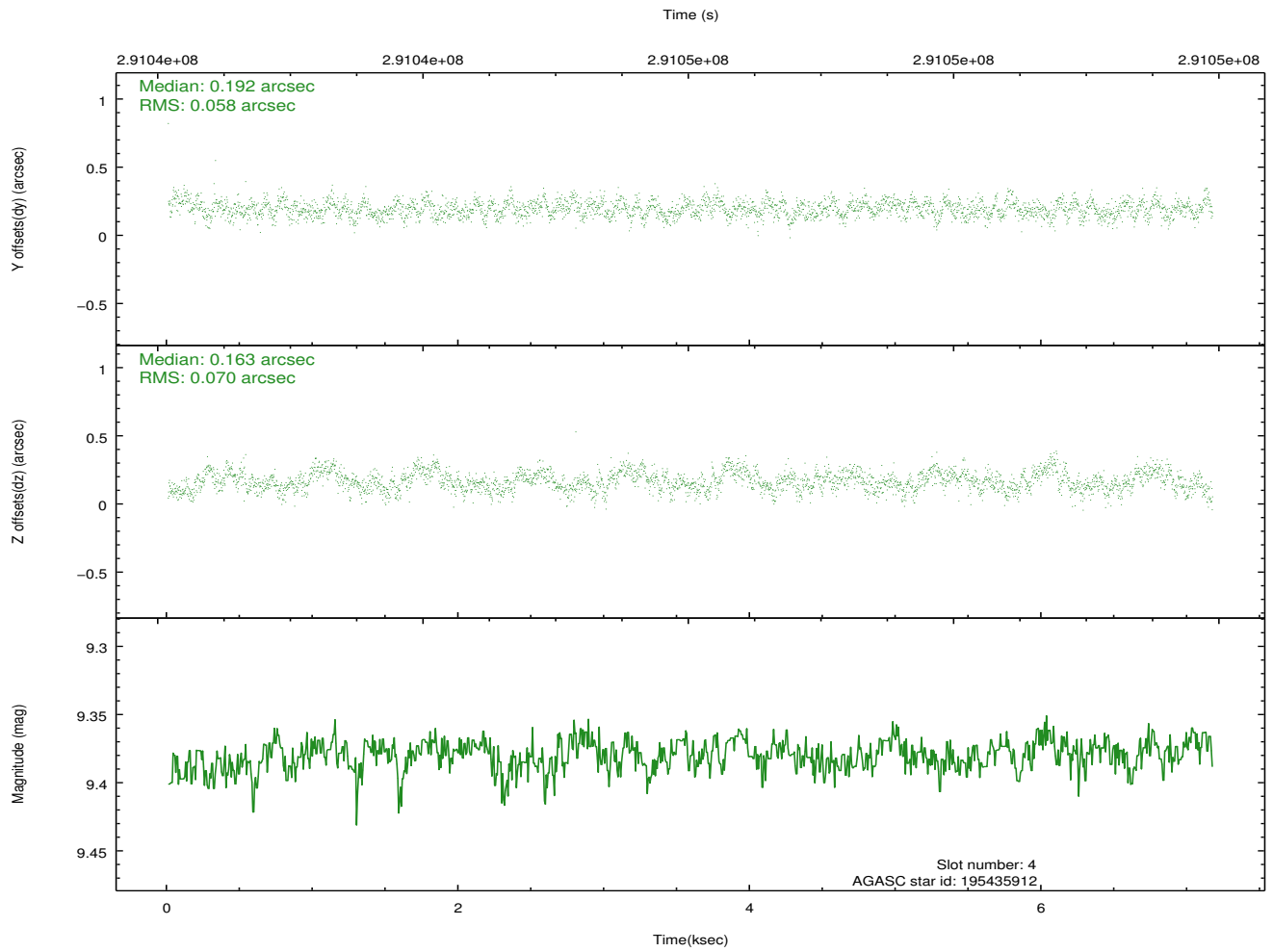
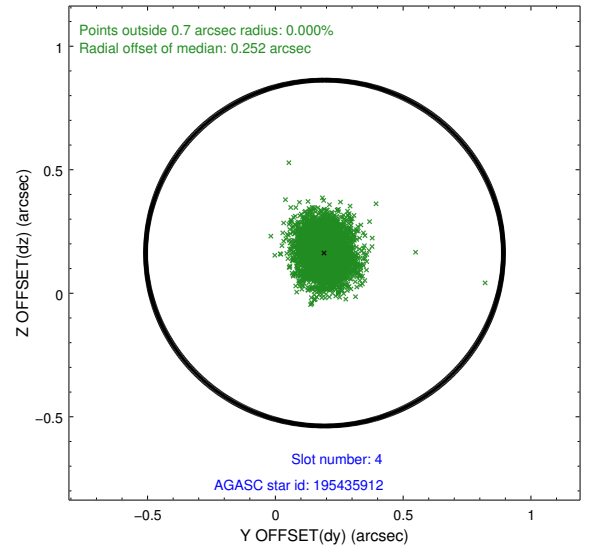
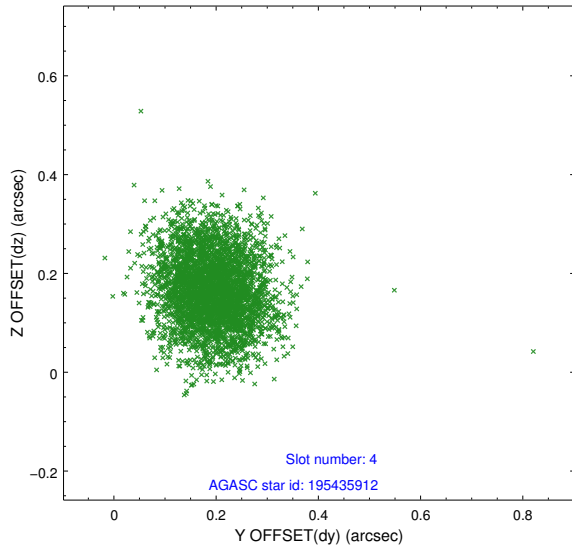
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1748	0.035	0.014	0.006	0.010	0.000000	0.000000	925.63	-837.53
1	FID	ACIS-I-5	7.23	1748	-0.224	0.041	0.006	0.010	0.000000	0.000000	-1822.30	1059.57
2	FID	ACIS-I-6	7.24	1748	0.098	0.016	0.006	0.011	0.000000	0.000000	390.35	1704.97
3	GUIDE	194514736	9.17	3493	-0.036	-0.114	0.091	0.149	223.996360	22.211386	-15.48	1294.00
4	GUIDE	195435912	9.38	3489	0.192	0.163	0.097	0.157	225.108868	22.040888	-2075.86	-1850.78
5	GUIDE	195436424	6.10	3496	-0.133	0.118	0.083	0.124	225.217820	22.045589	-2206.72	-2192.16
6	GUIDE	195438248	10.56	3488	-0.044	-0.166	0.210	0.368	224.077734	21.566024	-2249.02	1990.94
7	GUIDE	264380752	10.22	3424	0.012	0.003	0.172	0.278	224.720923	22.632014	391.29	-1523.18

2.4 Star Slots

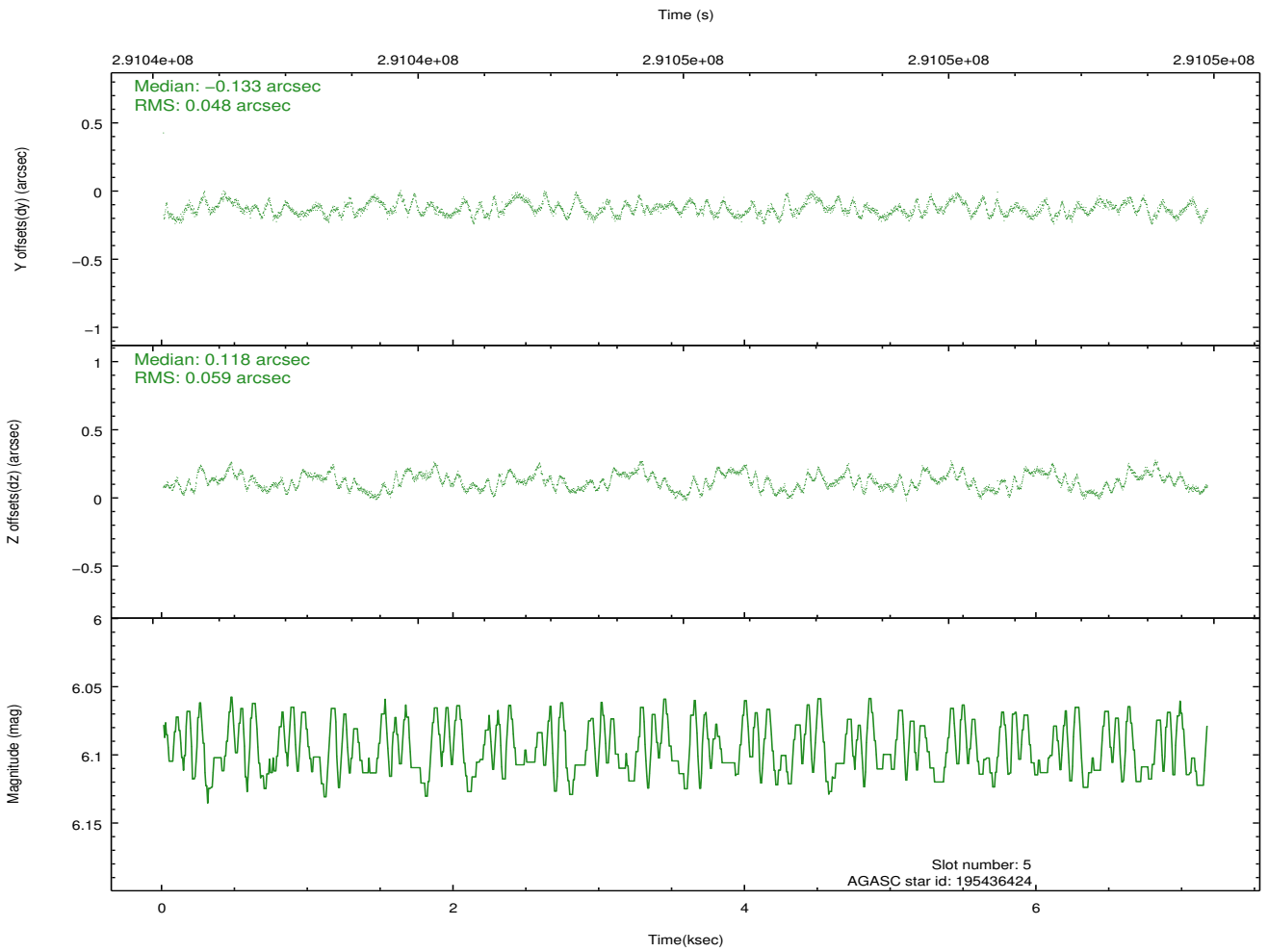
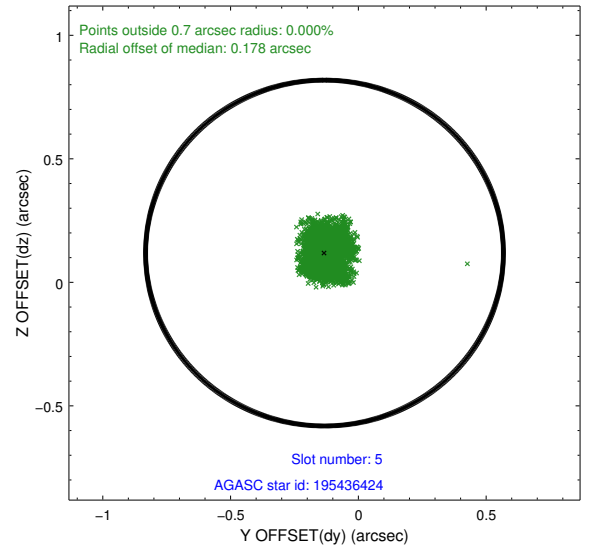
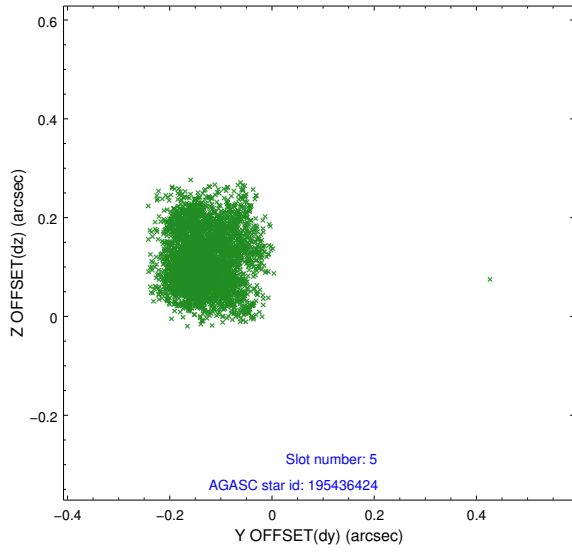
2.4.1 Slot 3



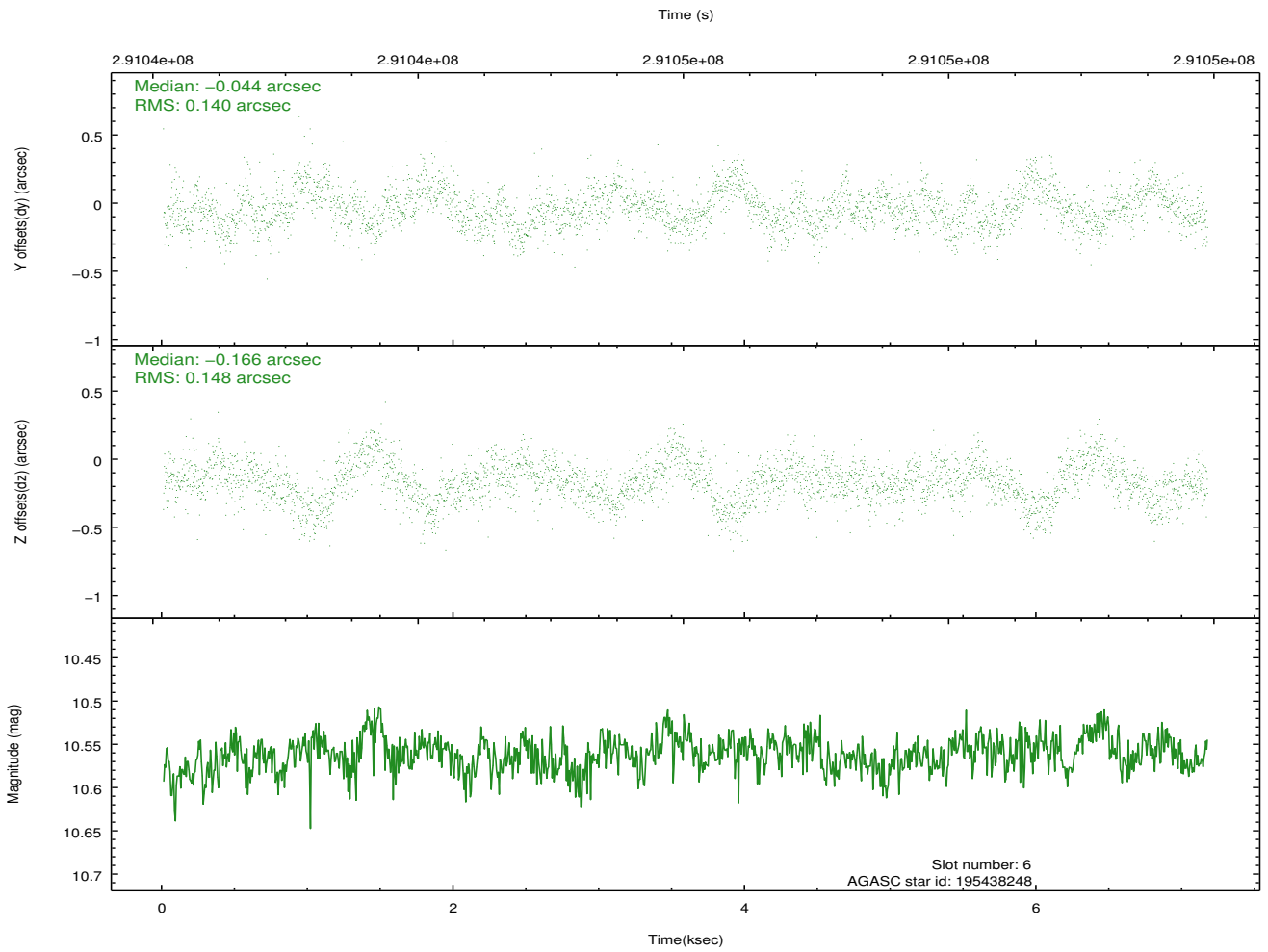
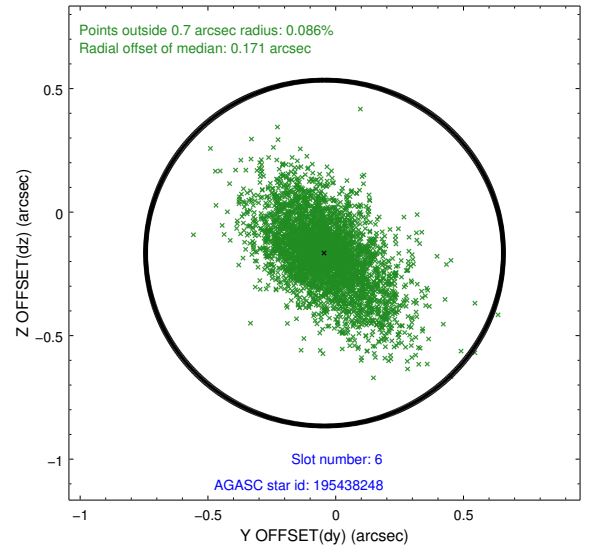
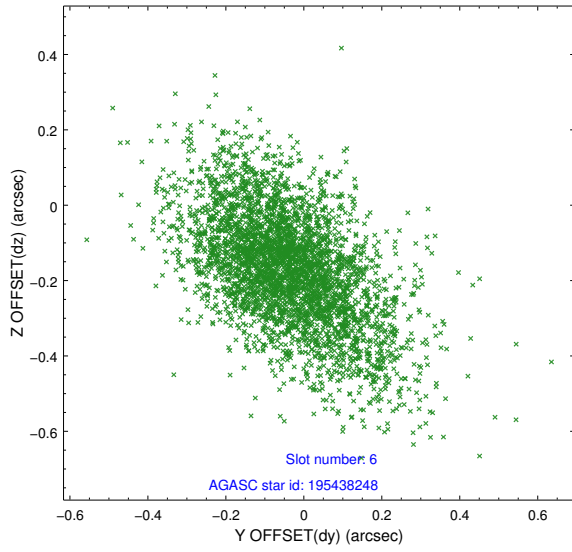
2.4.2 Slot 4



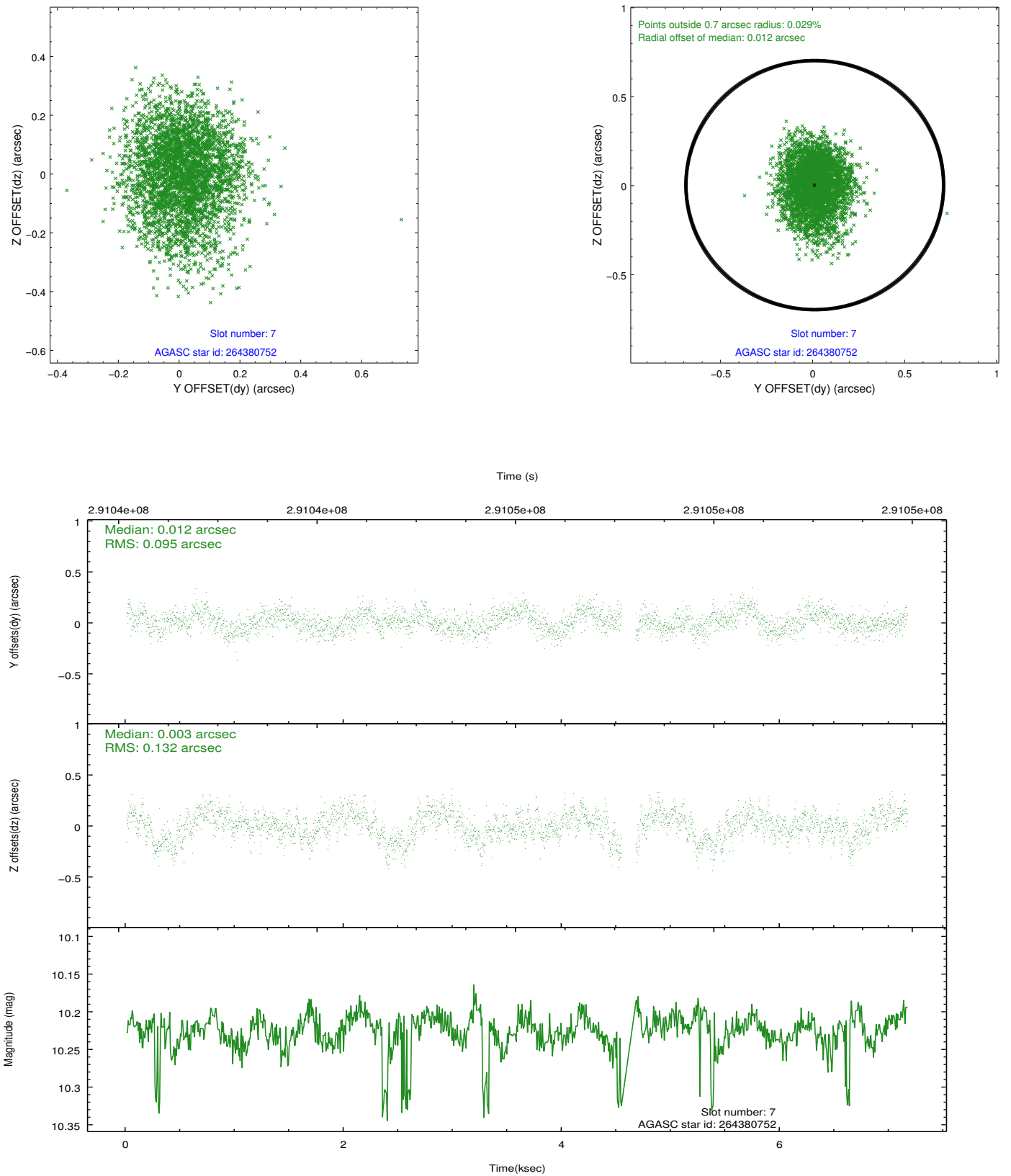
2.4.3 Slot 5



2.4.4 Slot 6

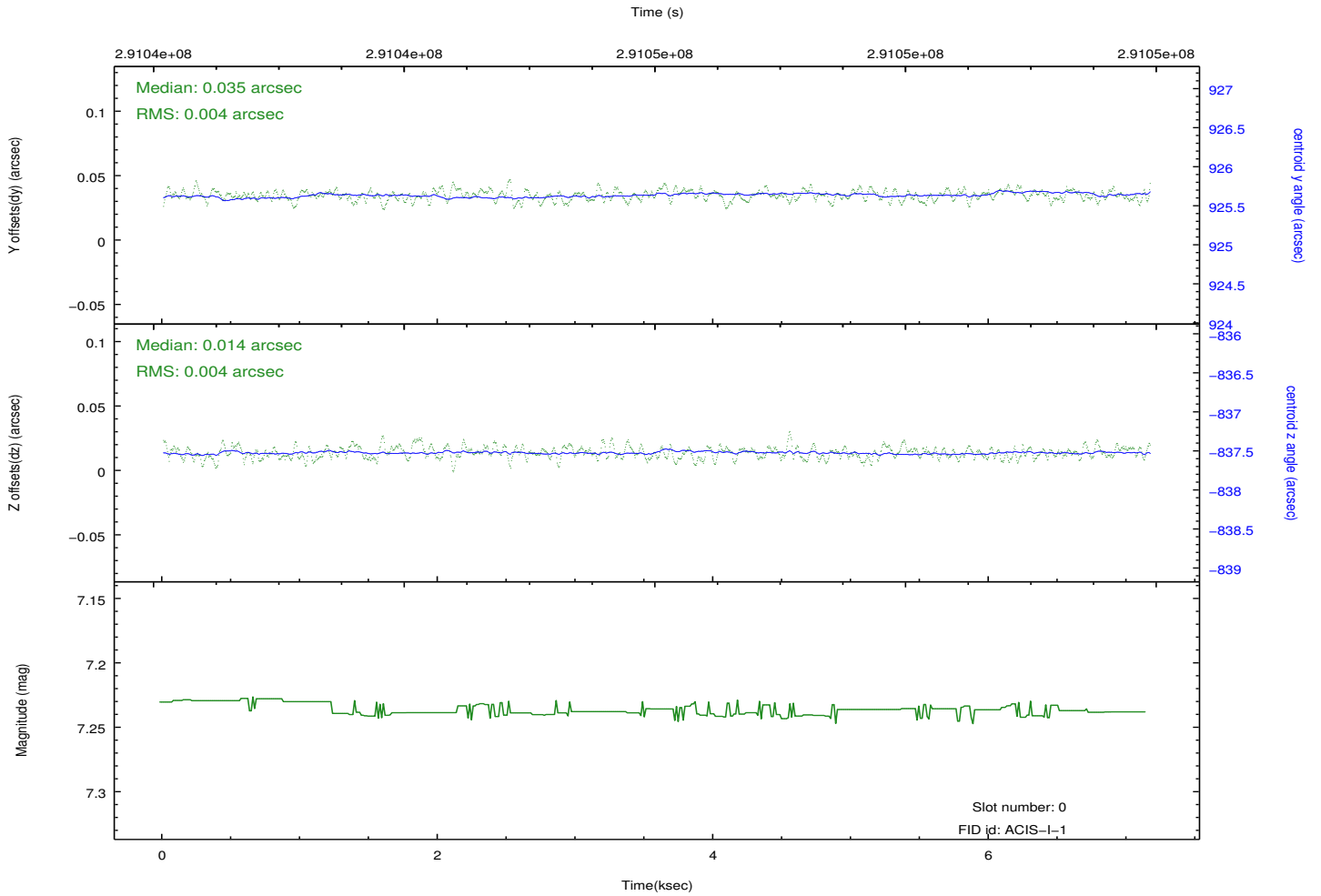
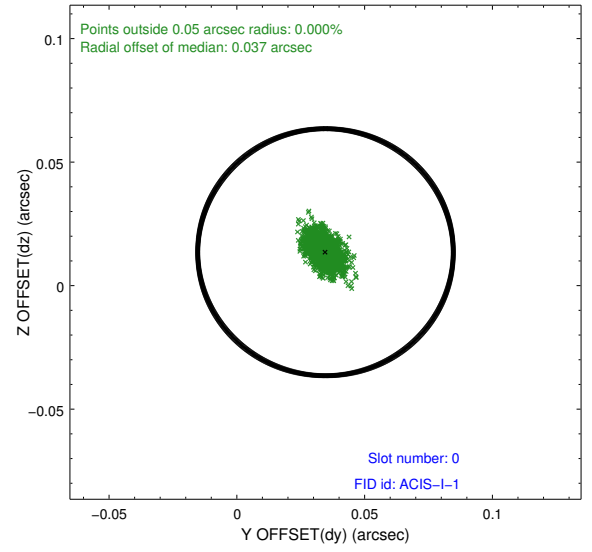
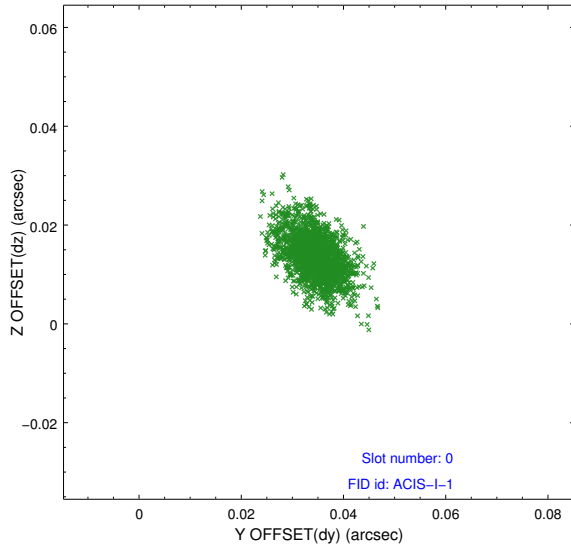


2.4.5 Slot 7

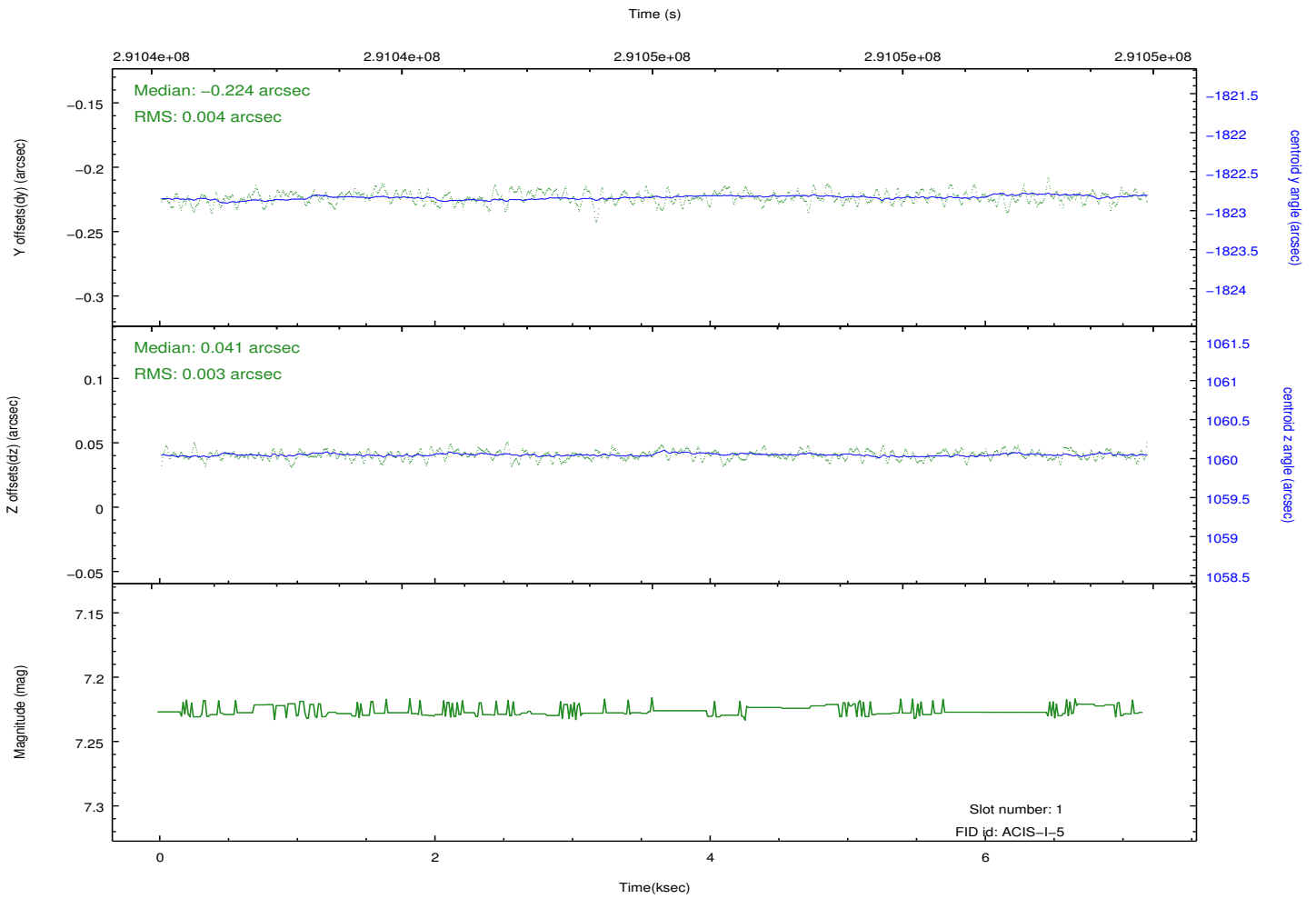
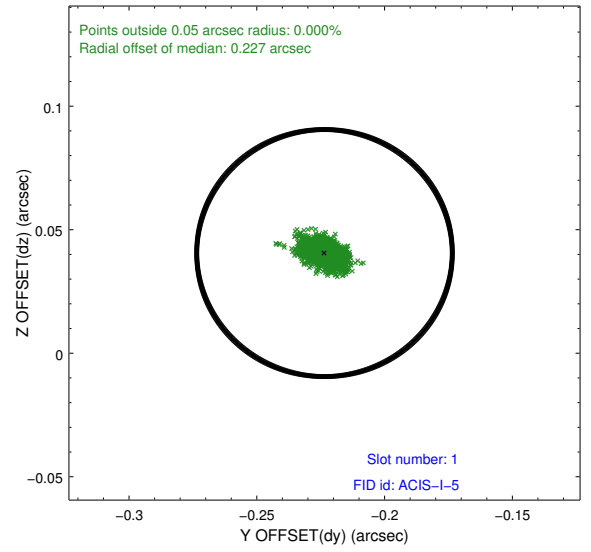
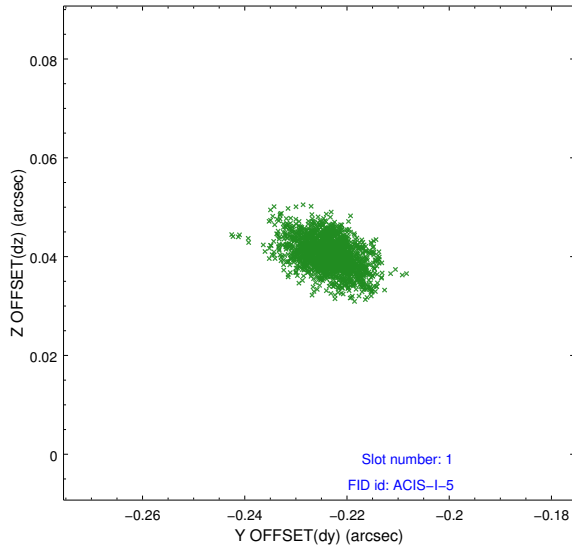


2.5 FID Slots

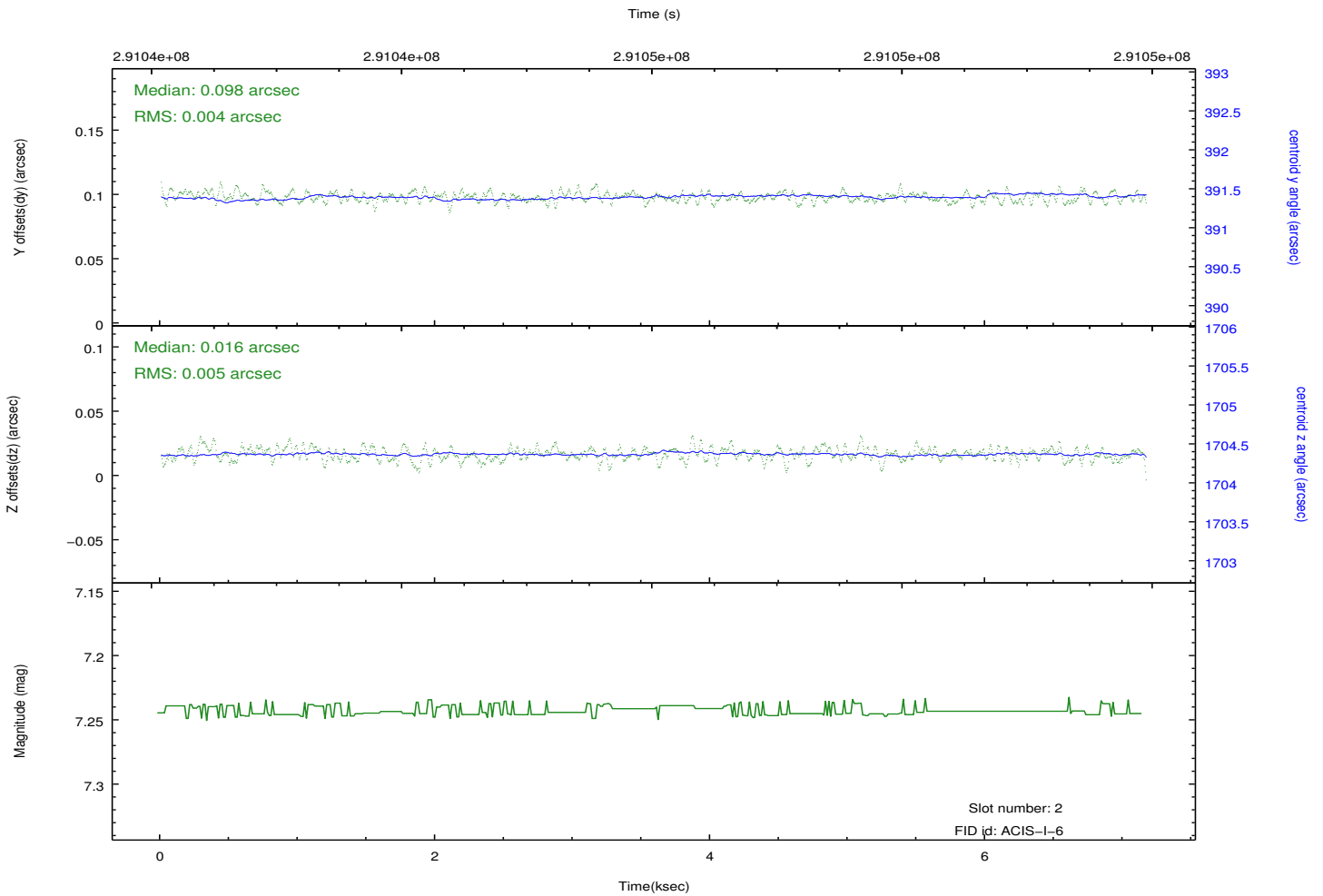
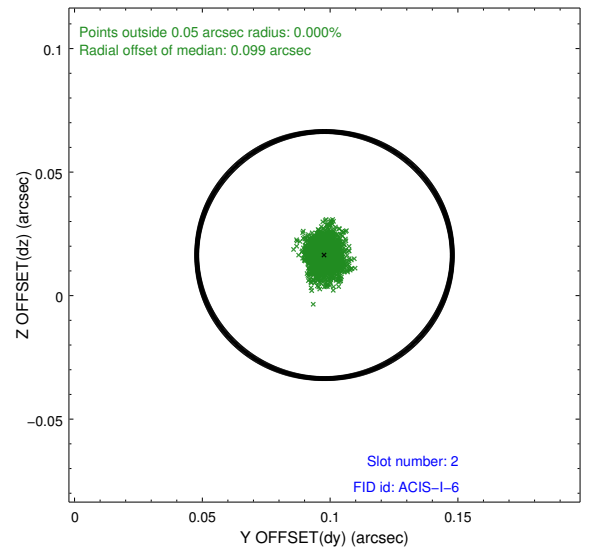
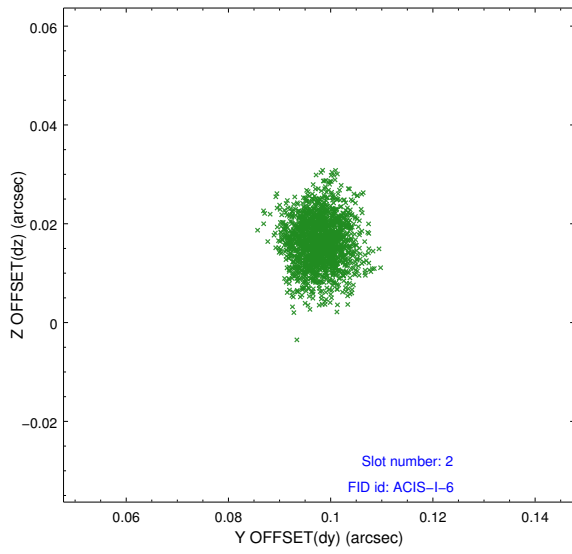
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.15785907

A.2 Comments