

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13194 - L2 Version 2
Chandra X-Ray Center

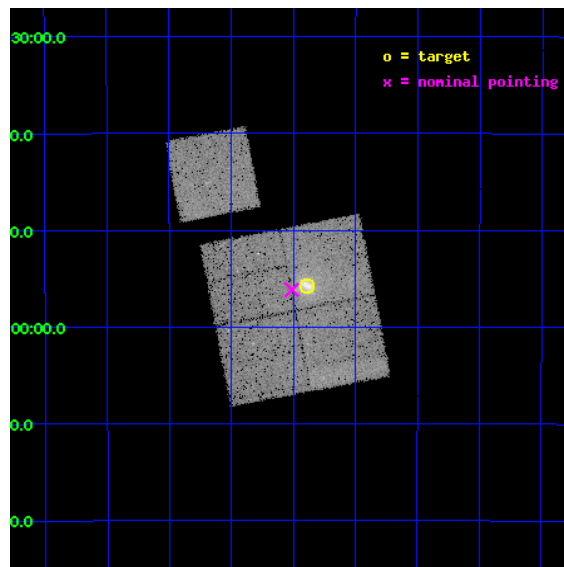
L2 Processing Date : Jul 7 2012

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1 Front

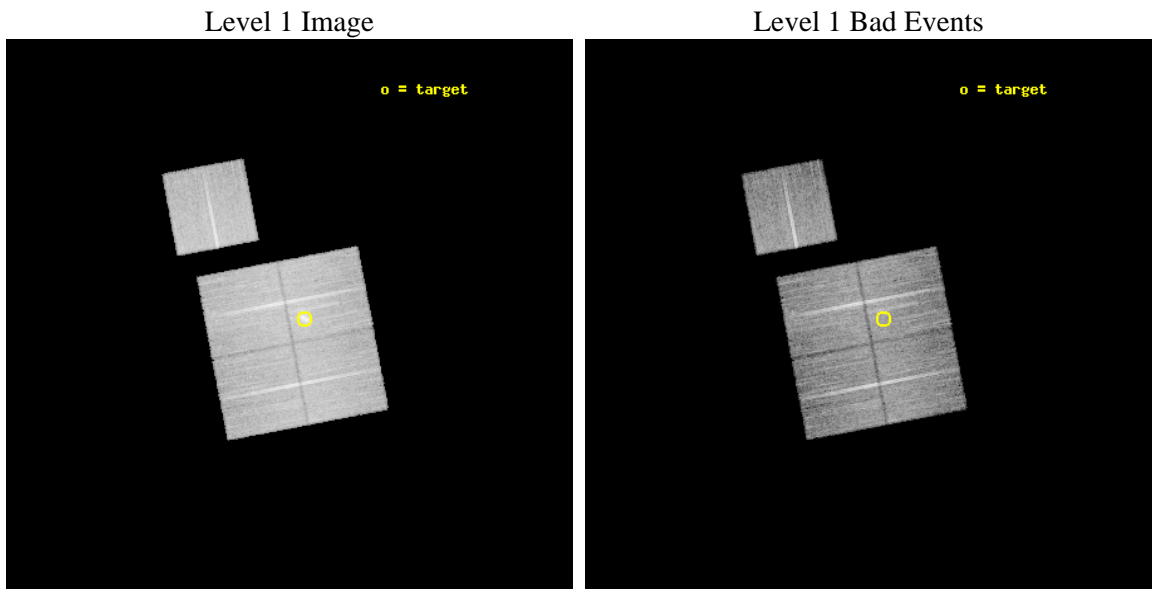
seq_num	801006	Sequence number
obs_id	13194	Observation id
title	An in-depth study of dark matter in the massive cluster merger MACSJ0358.8-2955	Proposal title
observer	Dr. Harald Ebeling	Principal investigator
object	MACSJ0358.8-2955	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	59.722083	Observer's specified target RA [deg]
dec_targ	-29.929167	Observer's specified target Dec [deg]
ra_nom	59.753105927931	Nominal RA [deg]
dec_nom	-29.936133541049	Nominal Dec [deg]
roll_nom	349.22414635491	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20236.759165347	Sum of GTIs [s]
livetime	19972.351008766	Livetime [s]
ontime0	20239.900155663	Sum of GTIs [s]
ontime1	20239.900155663	Sum of GTIs [s]
ontime2	20233.618184984	Sum of GTIs [s]
ontime3	20236.759165347	Sum of GTIs [s]
ontime6	20236.759165406	Sum of GTIs [s]
l2events	80825	Number of level 2 events



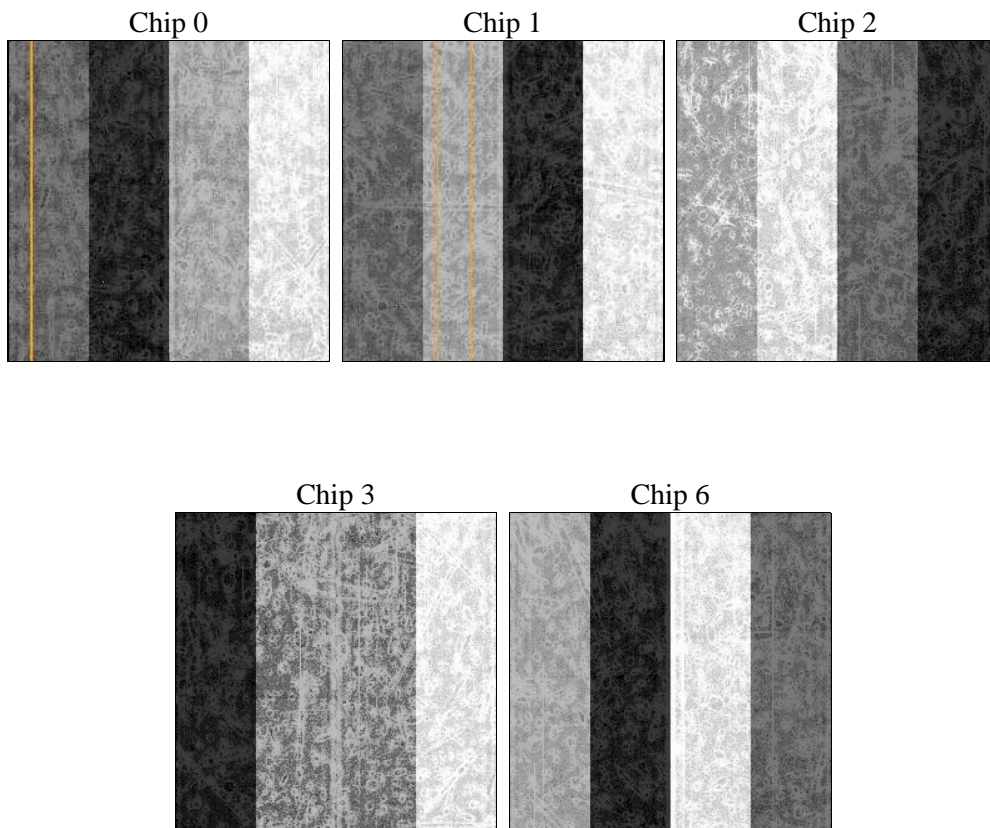
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20185.514000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20236.759165347	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	20239.900155663	Sum of GTIs [s]
date	2012-07-07T16:39:23	Date and time of file creation	ontime1	20239.900155663	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20233.618184984	Sum of GTIs [s]
			ontime3	20236.759165347	Sum of GTIs [s]
			ontime6	20236.759165406	Sum of GTIs [s]
			l1events	701846	Number of level 1 events

2.1.4 Events

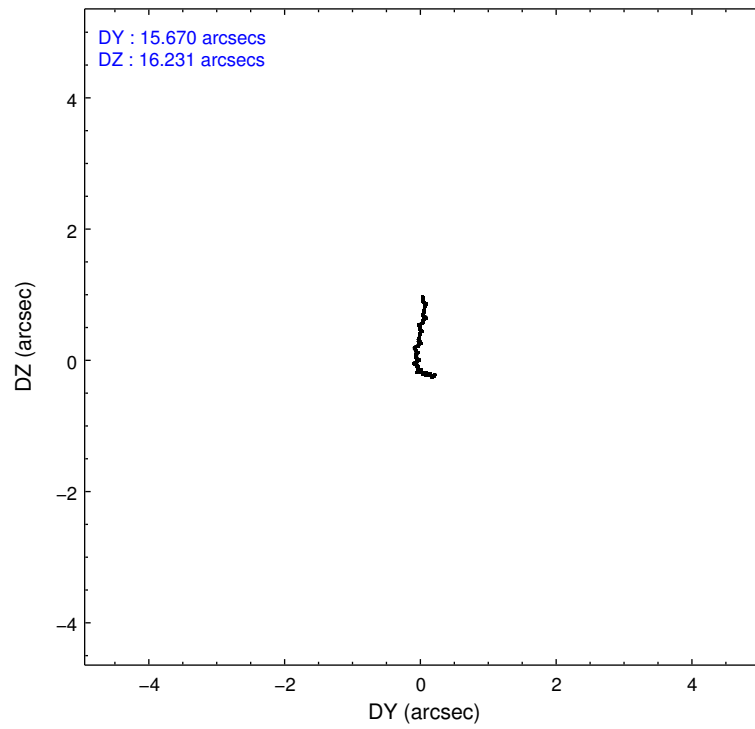
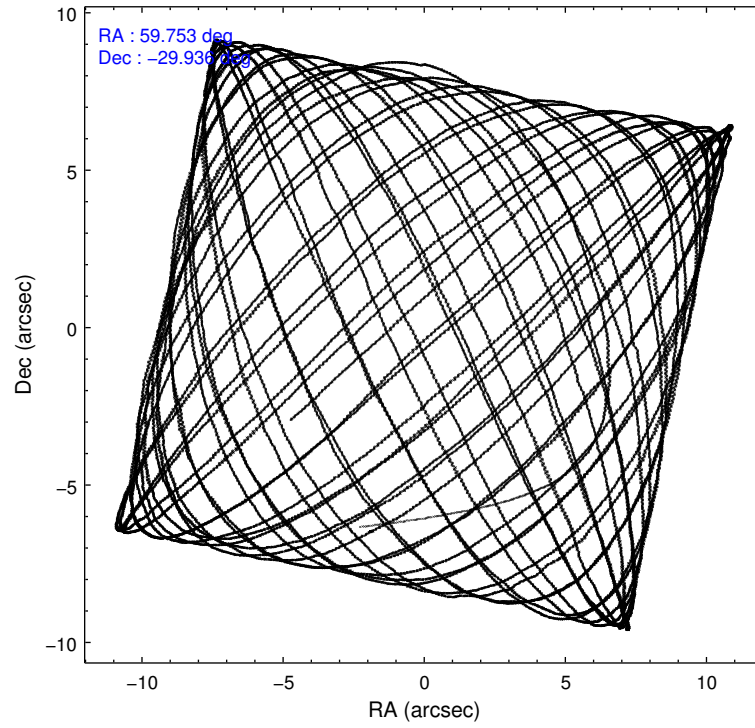
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	127855	134548	146970	151986	140487
rejected events	111428	115649	130427	126951	123305
rejected %	87%	85%	88%	83%	87%

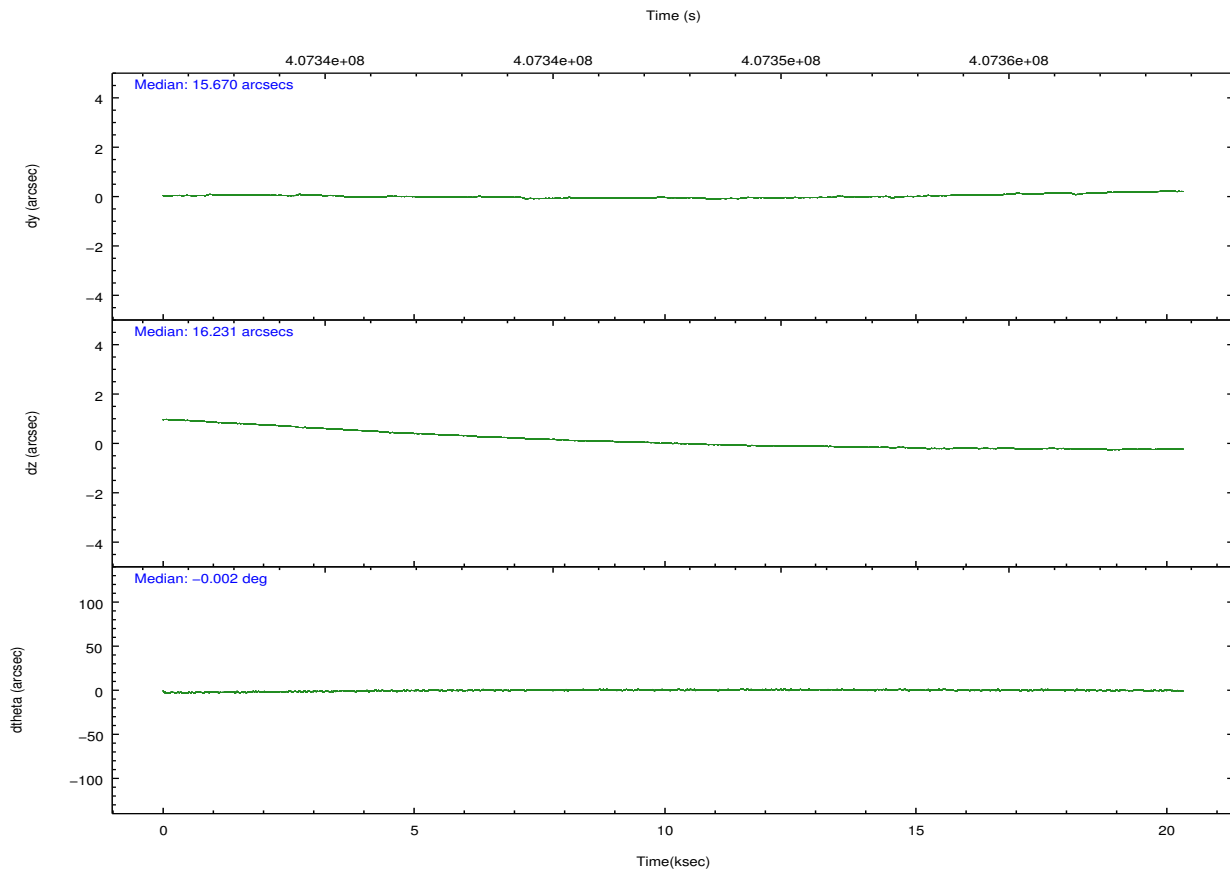
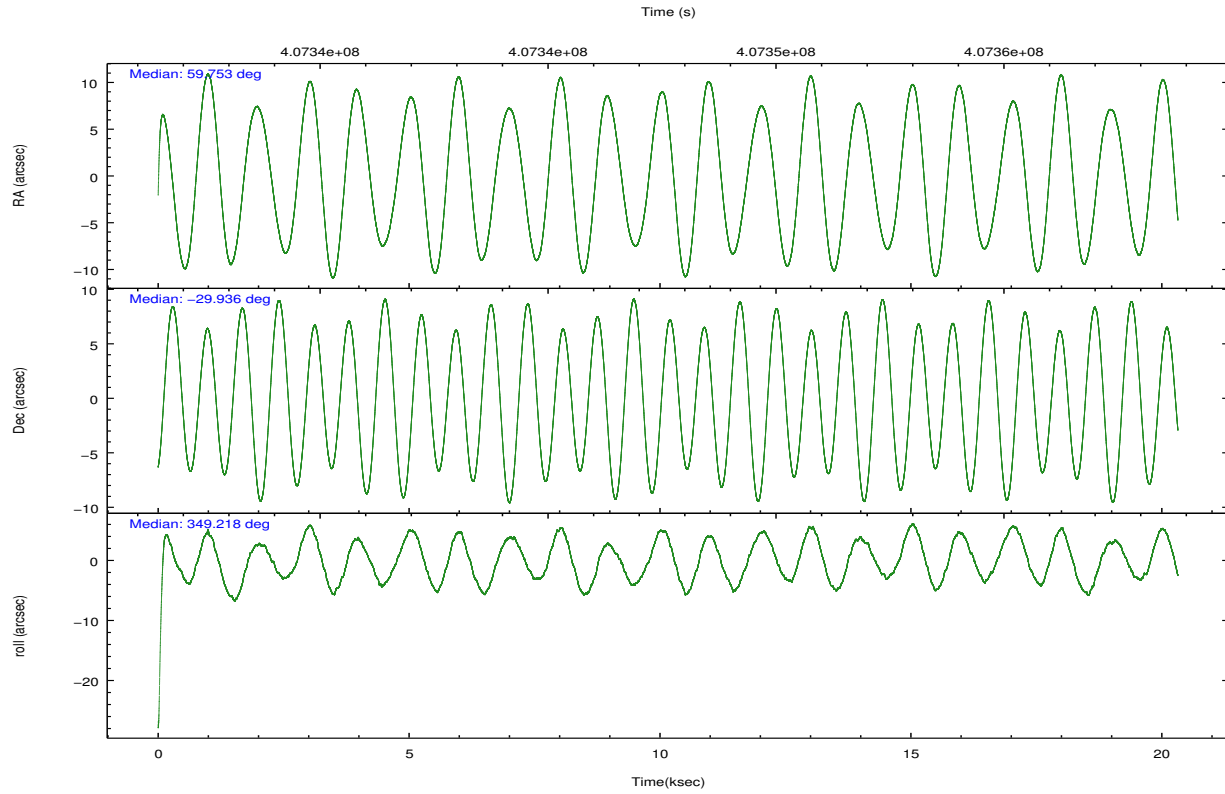
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6081	7192	6425	13593	6325
	4%	5%	4%	8%	4%
grade 1 events	86	83	85	163	80
	0%	0%	0%	0%	0%
grade 2 events	3849	4256	3926	4401	3683
	3%	3%	2%	2%	2%
grade 3 events	1660	1849	1617	1853	1761
	1%	1%	1%	1%	1%
grade 4 events	1641	1881	1615	1922	1688
	1%	1%	1%	1%	1%
grade 5 events	6002	6363	5632	6735	6363
	4%	4%	3%	4%	4%
grade 6 events	3198	3724	2964	3273	3726
	2%	2%	2%	2%	2%
grade 7 events	105338	109200	124706	120046	116861
	82%	81%	84%	78%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	59.723164	59.75310592793055	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.945302	-29.93613354104886	Alternating exposures requested	N	N
[deg] Pointing Roll	349.000534	349.2241463549058	[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	-229.442463	-229.4438428438578			
[mm] SIM translation stage offset	-4.15	-4.148610159071865			
[s] Observation start time (MET)	407337608.184000	407336339.07343			
Observation start date	2010-11-28T13:19:02	2010-11-28T12:58:59			
[s] Observation end time (MET)	407357793.184000	407358028.58705			
Observation end date	2010-11-28T18:55:27	2010-11-28T19:00:28			
Read mode	TIMED	TIMED			

2.3 Aspect



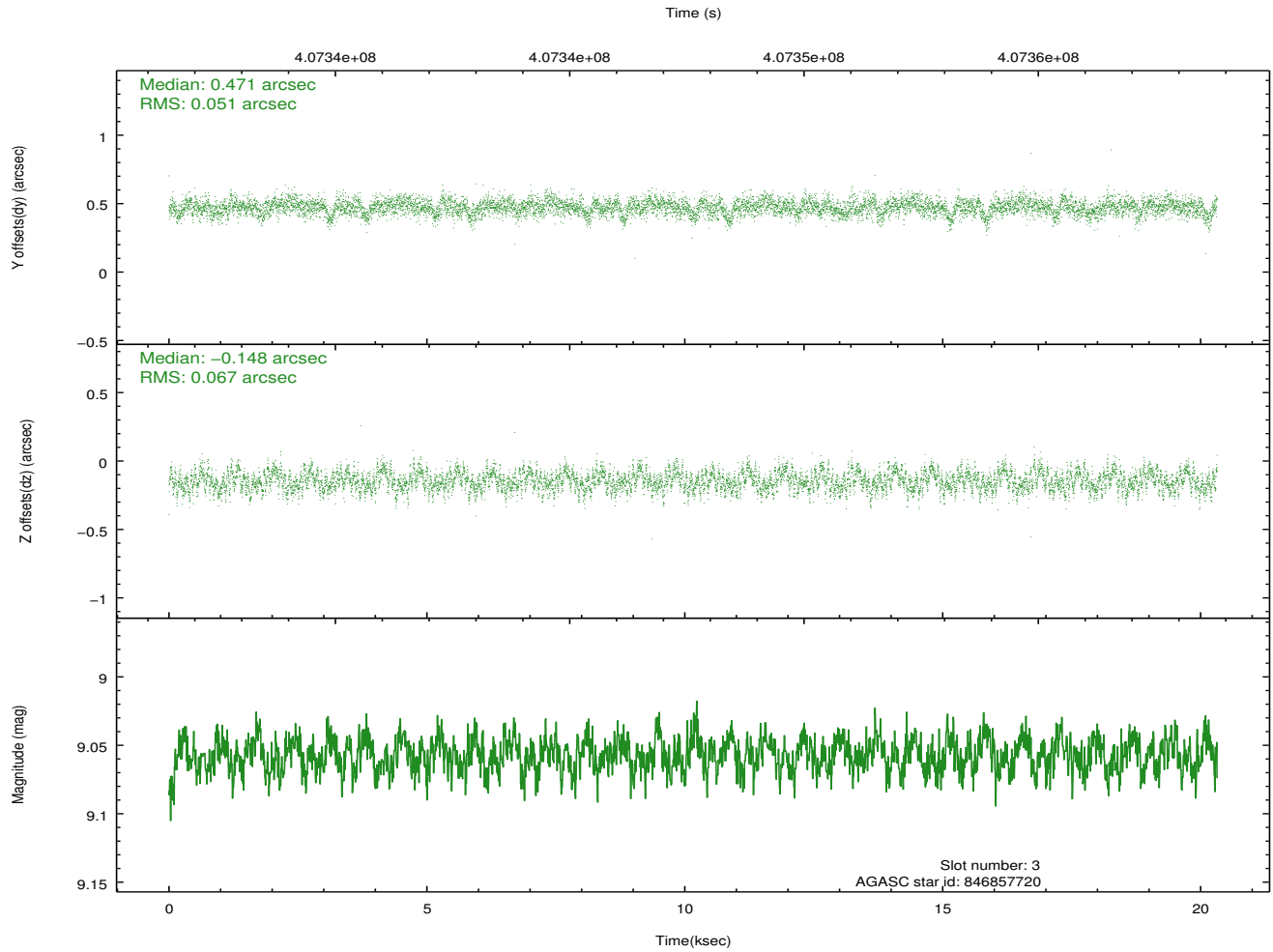
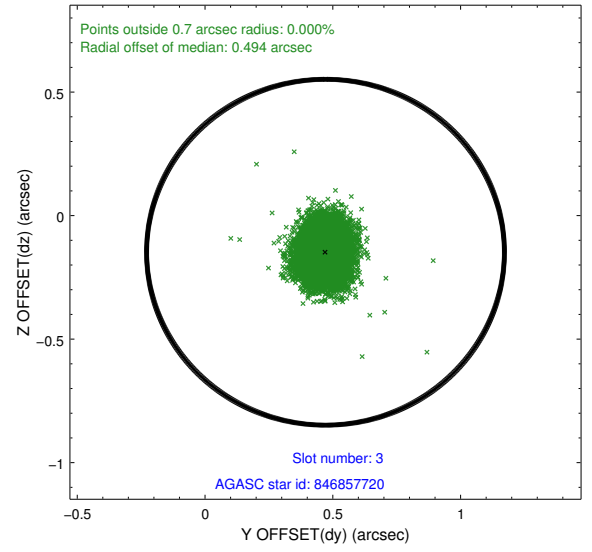
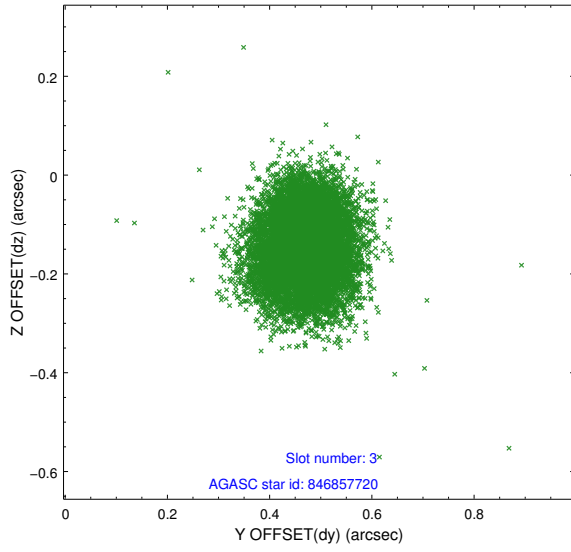


Slot Statistics

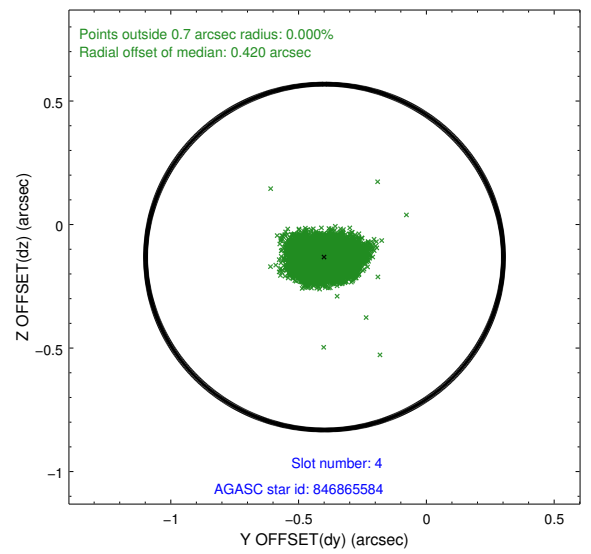
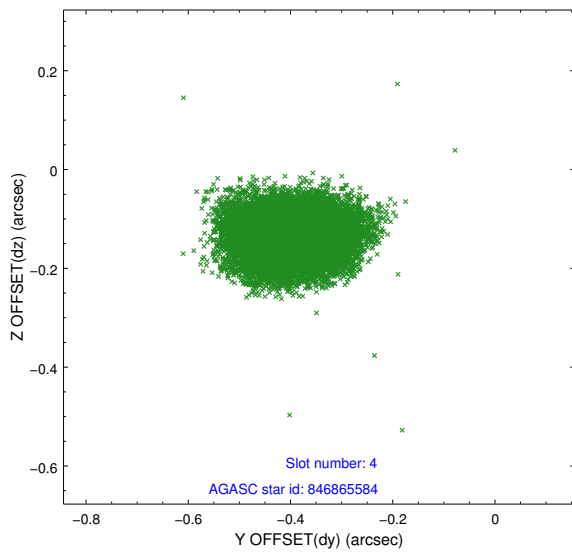
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	4957	0.123	-0.057	0.013	0.031	0.000000	0.000000	923.79	-925.18
1	FID	ACIS-I-5	7.02	4957	-0.263	0.114	0.007	0.012	0.000000	0.000000	-1824.59	972.38
2	FID	ACIS-I-6	7.03	4957	0.049	0.013	0.013	0.024	0.000000	0.000000	389.07	1616.98
3	GUIDE	846857720	9.06	9906	0.471	-0.148	0.090	0.142	59.409213	-29.868084	-1013.96	84.68
4	GUIDE	846865584	7.41	9914	-0.399	-0.132	0.087	0.135	59.046247	-29.660497	-2273.07	596.03
5	GUIDE	921448776	6.43	9914	0.228	-0.004	0.080	0.135	60.169401	-30.490701	1734.70	-1665.34
6	GUIDE	921308360	9.42	9908	-0.276	0.061	0.109	0.179	58.897739	-30.169794	-2365.37	-1292.61
7	GUIDE	921311648	9.71	9904	-0.040	0.228	0.164	0.274	58.946341	-30.321882	-2109.11	-1799.23

2.4 Star Slots

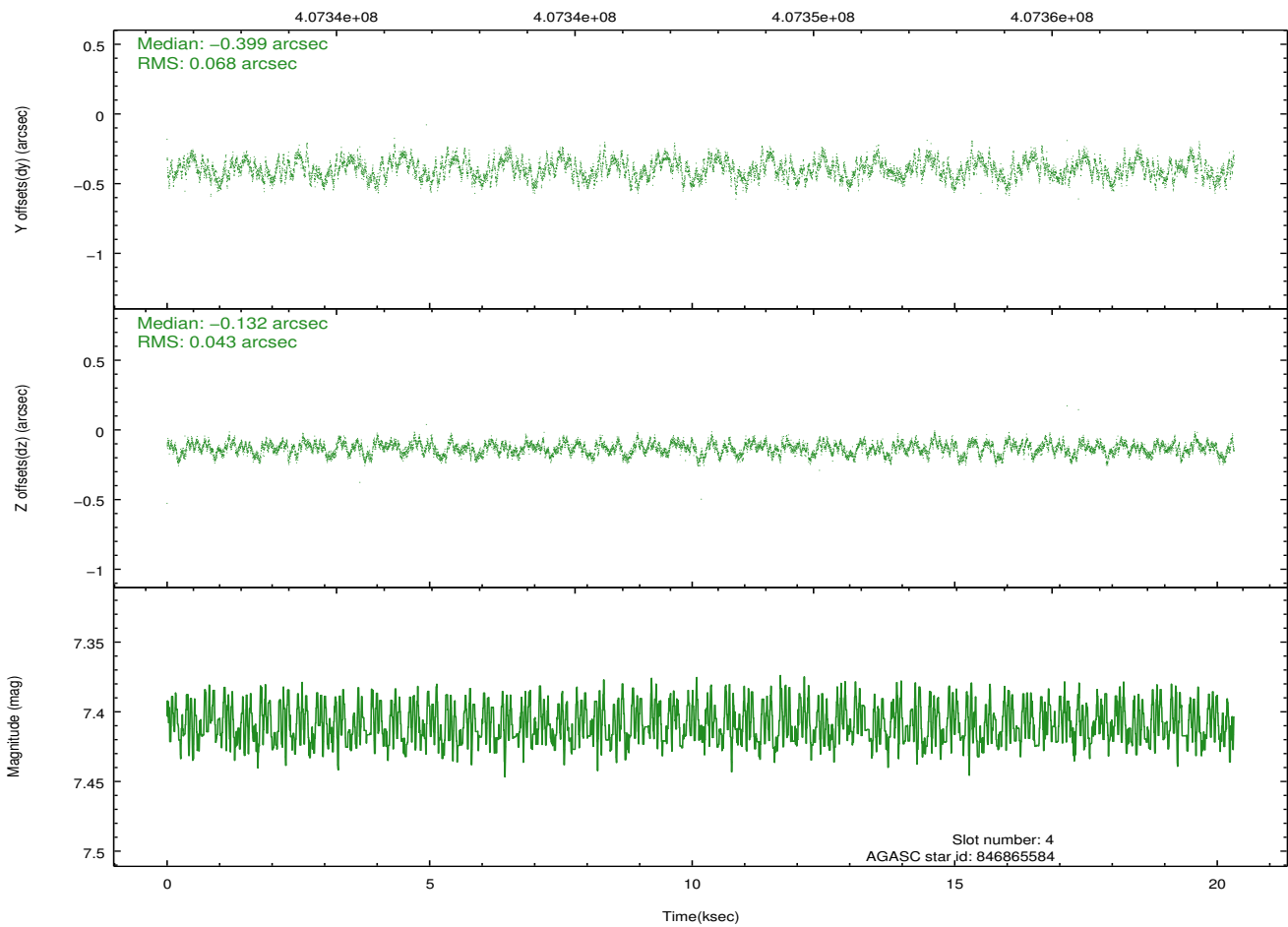
2.4.1 Slot 3



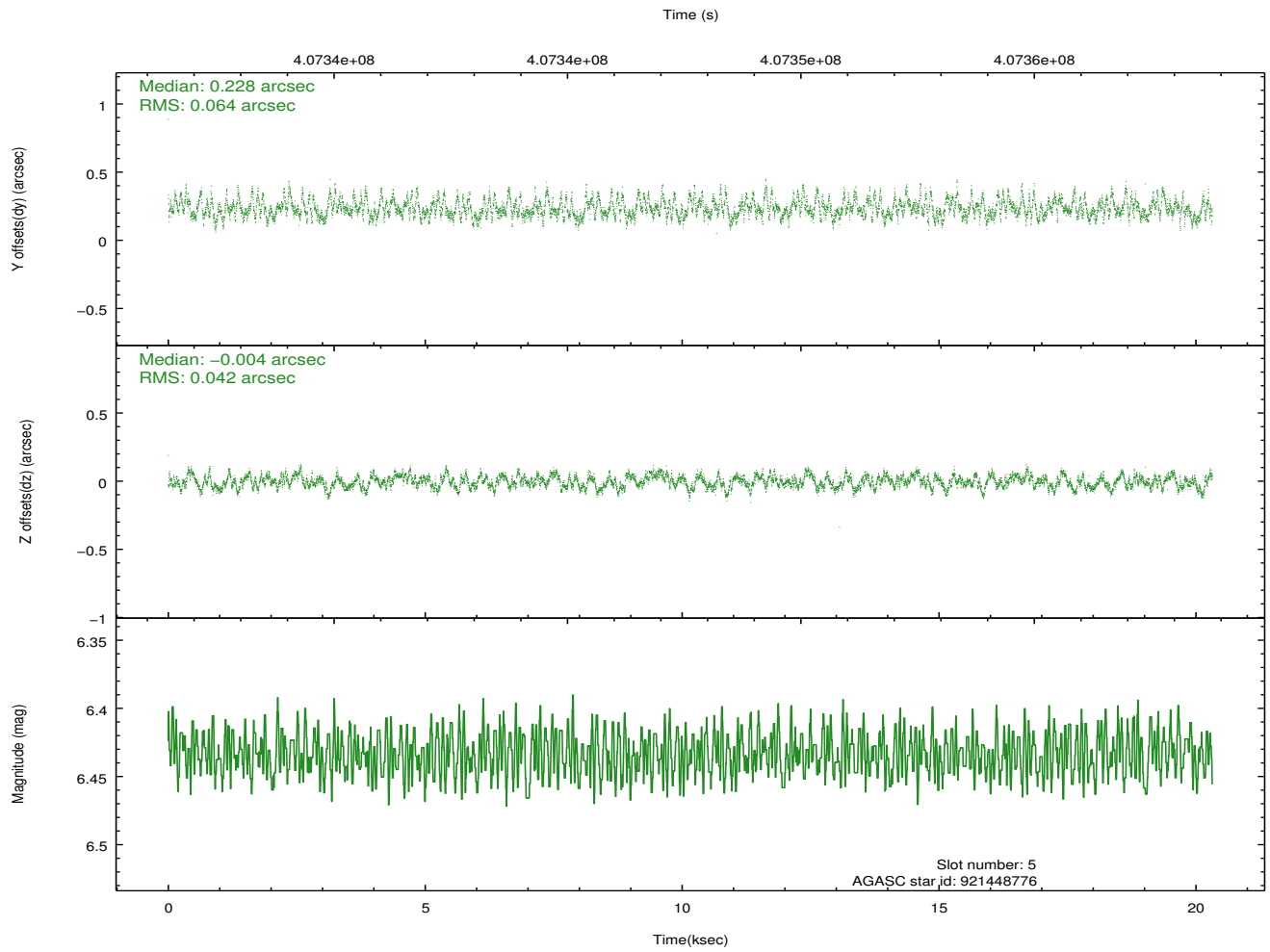
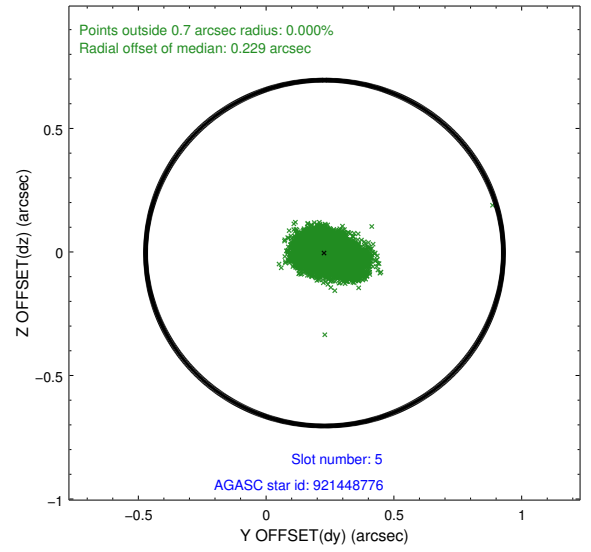
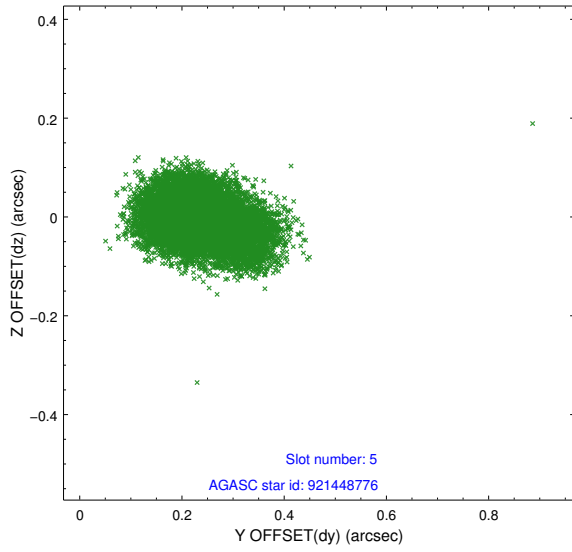
2.4.2 Slot 4



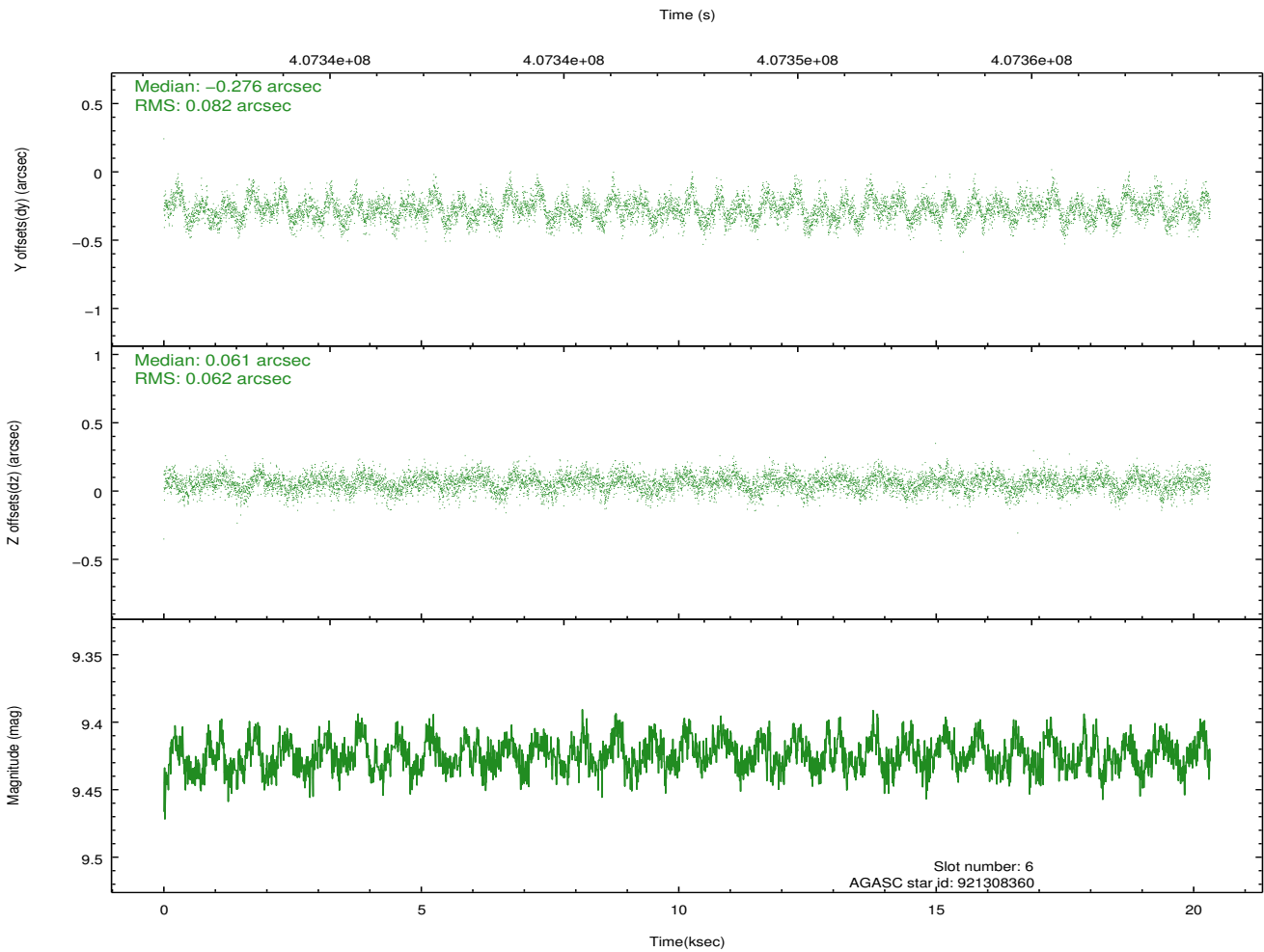
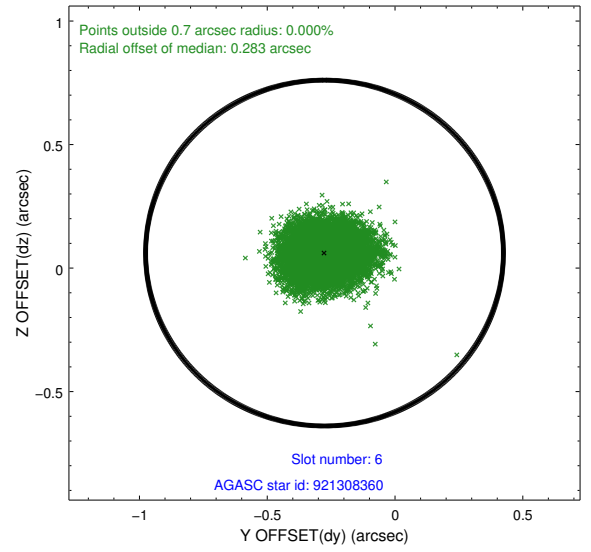
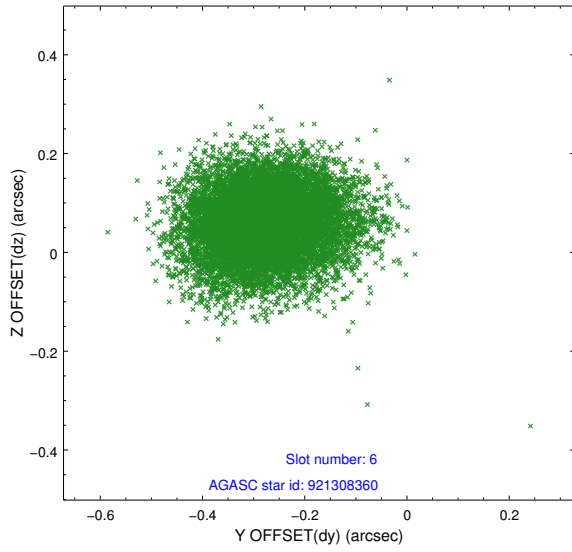
Time (s)



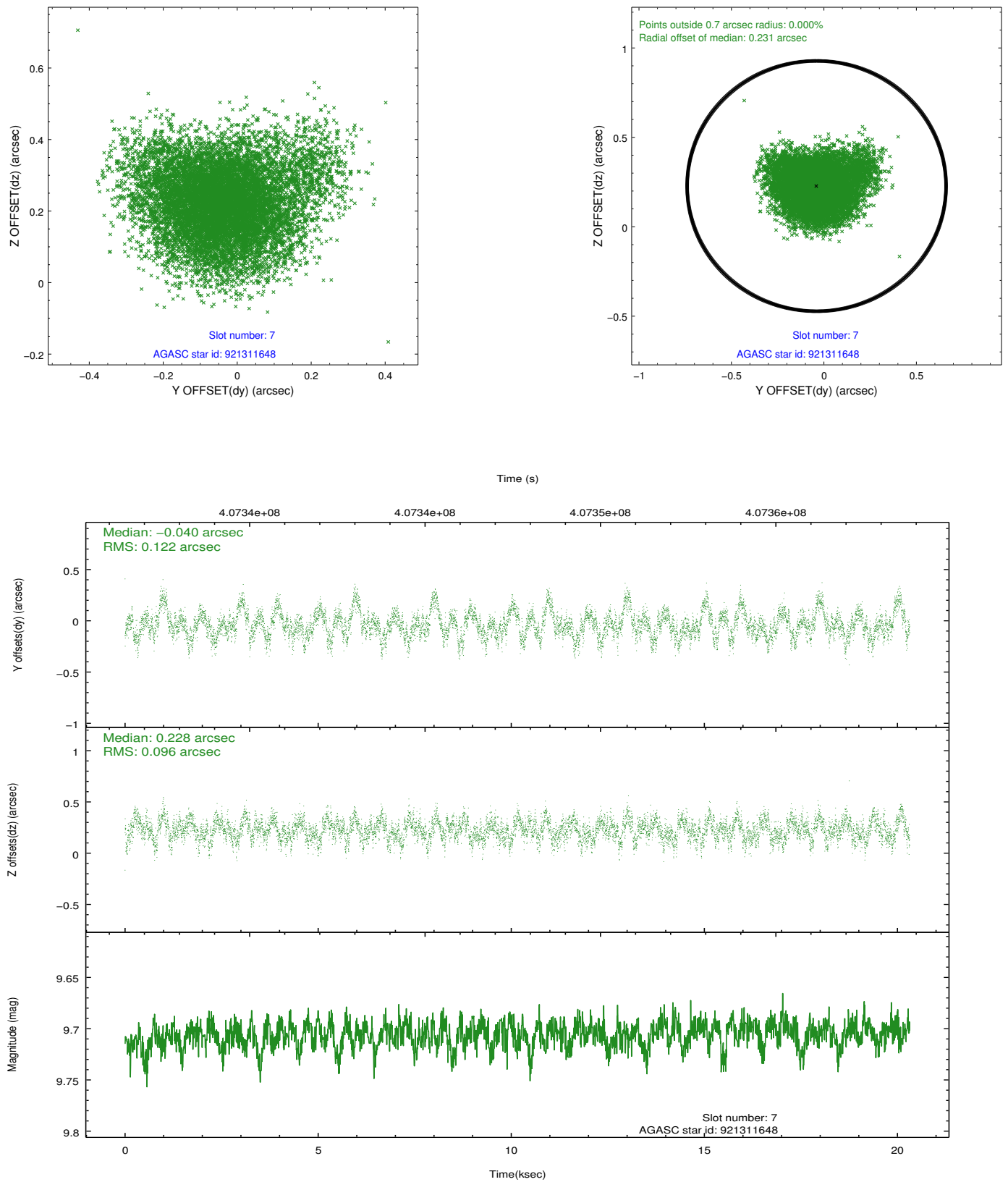
2.4.3 Slot 5



2.4.4 Slot 6

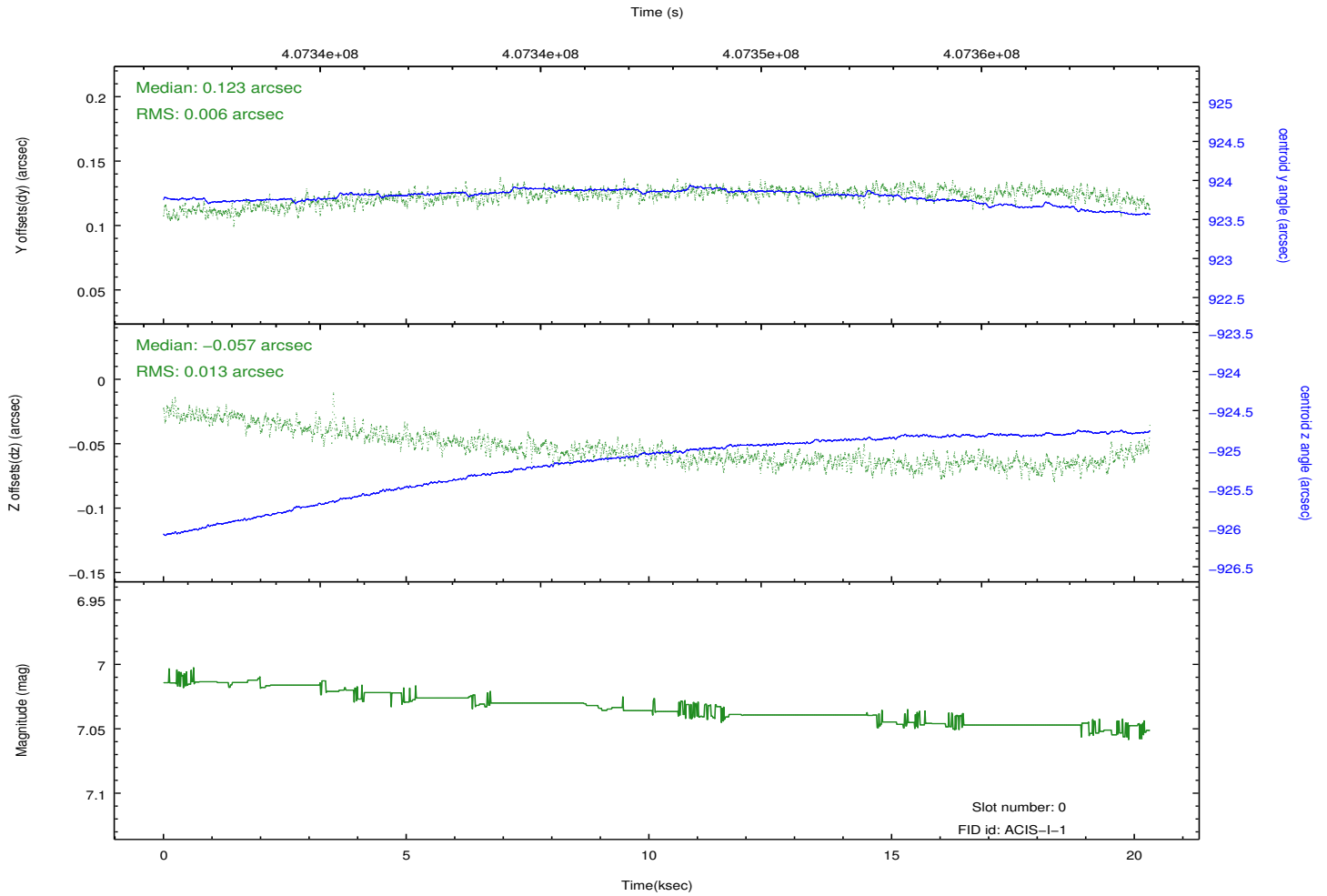
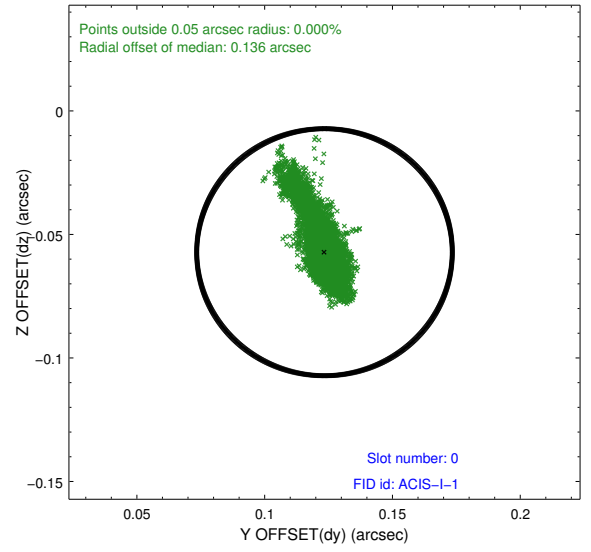
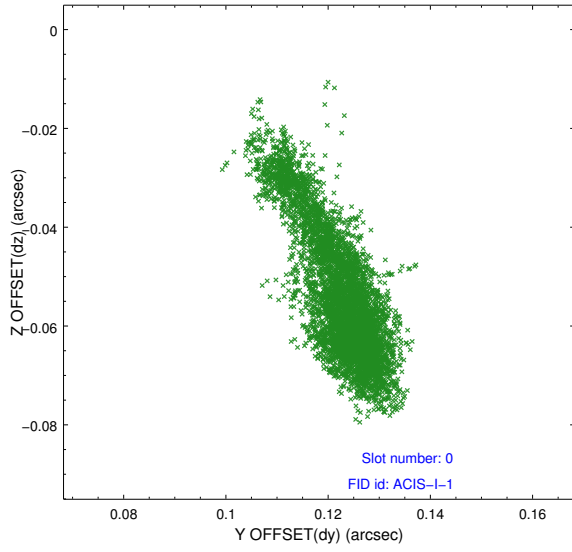


2.4.5 Slot 7

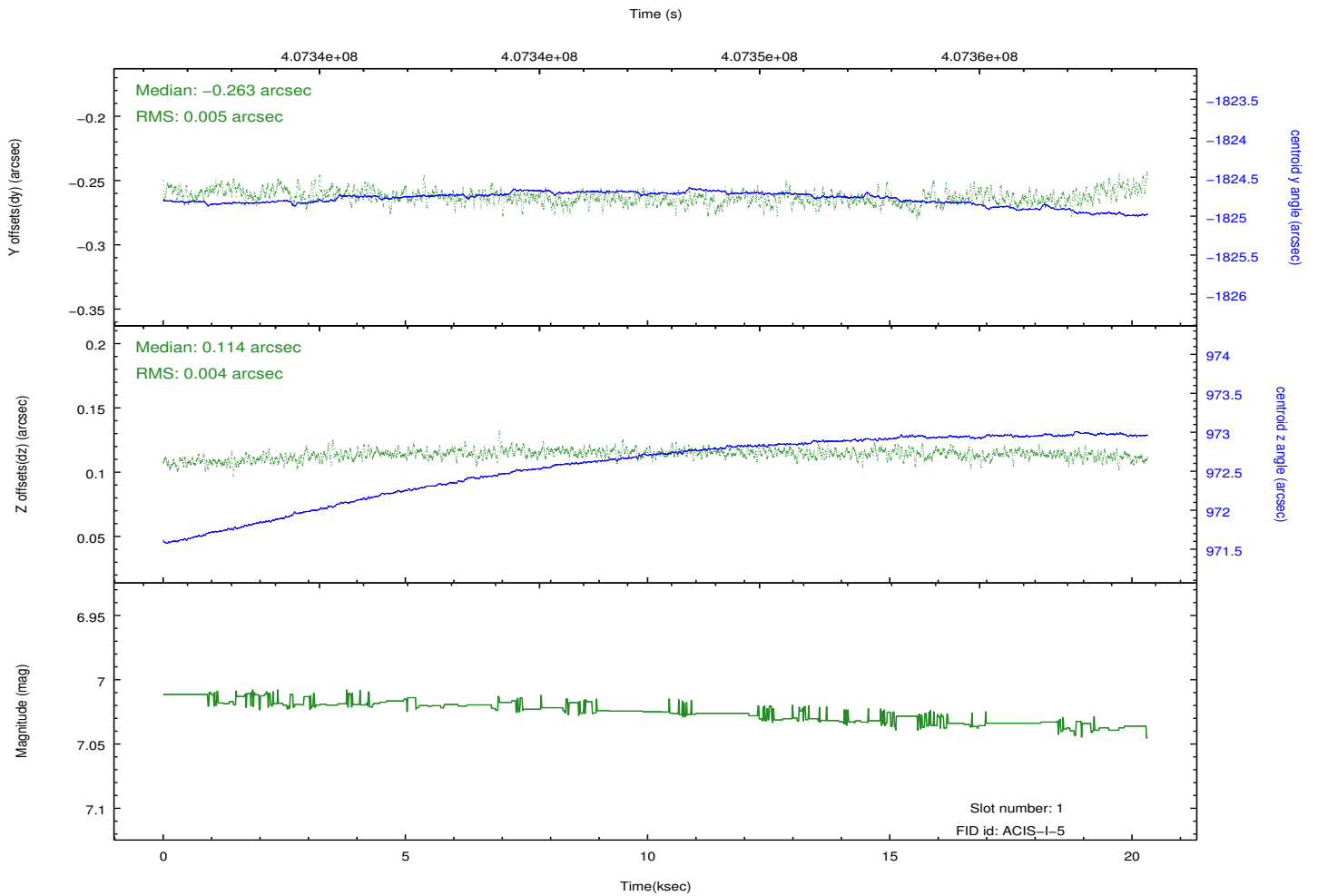
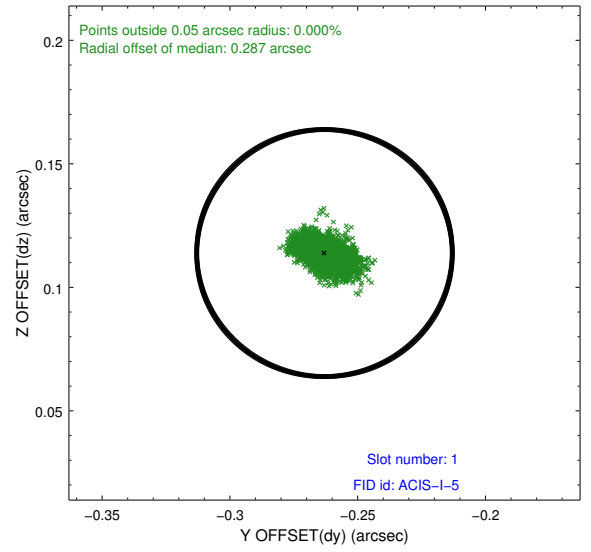
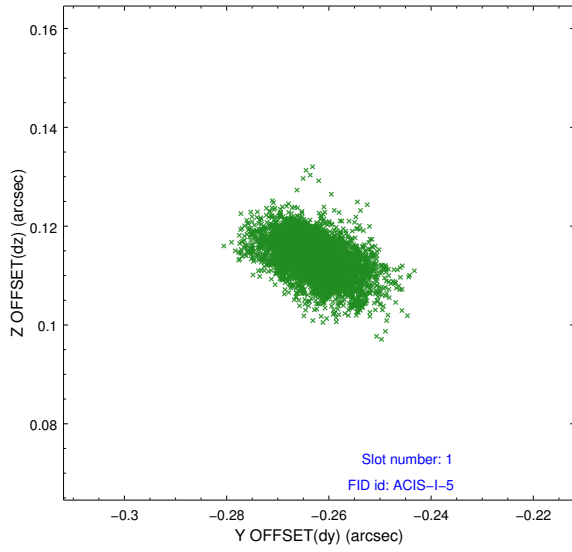


2.5 FID Slots

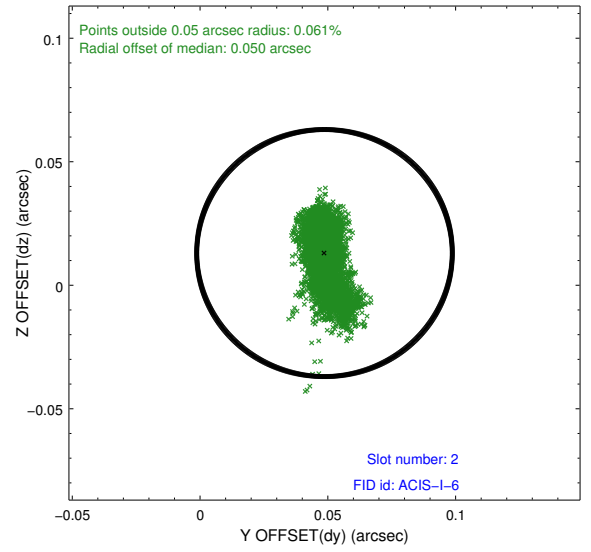
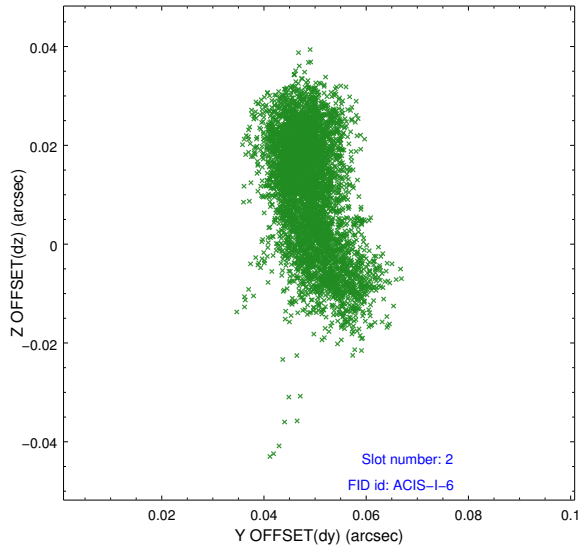
2.5.1 Slot 0



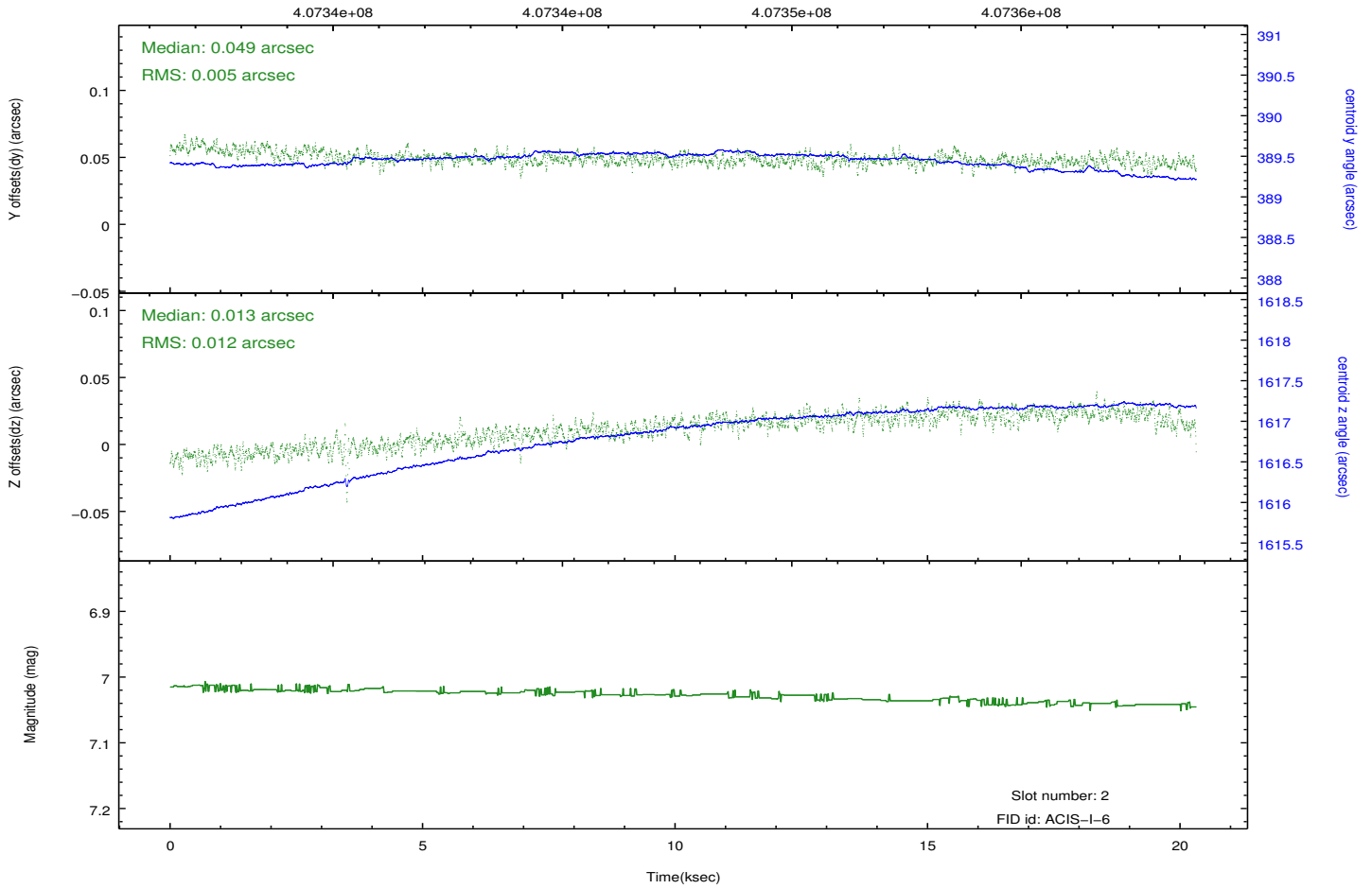
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.236759165347

A.2 Comments

Joint Proposal: CX0-HST