

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11877 - L2 Version 2
Chandra X-Ray Center

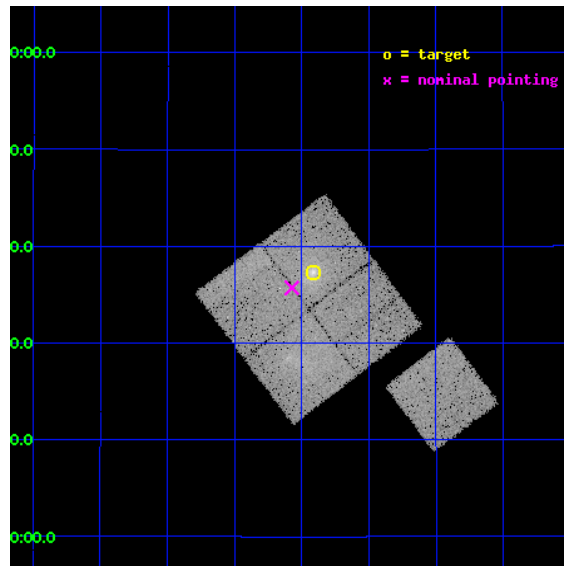
L2 Processing Date : Jun 13 2012

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1 Front

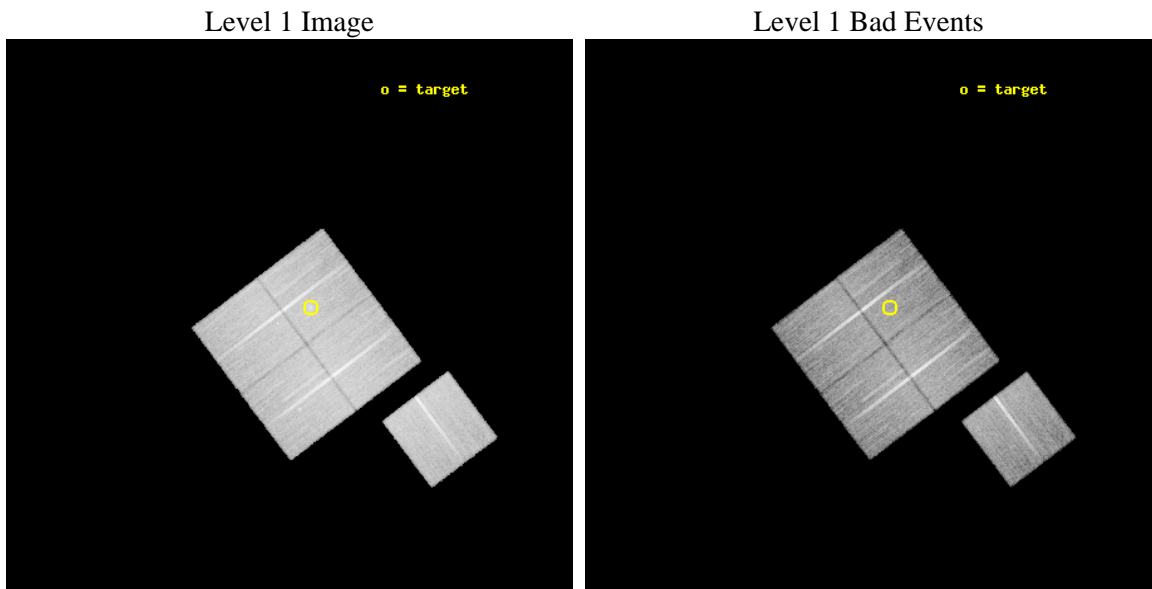
seq_num	800931	Sequence number
obs_id	11877	Observation id
title	Chandra Observations of the Merging Clusters A98 and A1750	Proposa
observer	Dr. Stephen Murray	Principal investigator
object	A98n	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.603333	Observer's specified target RA [deg]
dec_targ	20.621389	Observer's specified target Dec [deg]
ra_nom	11.643302088806	Nominal RA [deg]
dec_nom	20.595196788001	Nominal Dec [deg]
roll_nom	143.00237026581	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19768.70015204	Sum of GTIs [s]
livetime	19510.407531048	Livetime [s]
ontime0	19768.70015204	Sum of GTIs [s]
ontime1	19765.559131801	Sum of GTIs [s]
ontime2	19765.559141695	Sum of GTIs [s]
ontime3	19762.418161094	Sum of GTIs [s]
ontime6	19762.418111384	Sum of GTIs [s]
l2events	84133	Number of level 2 events



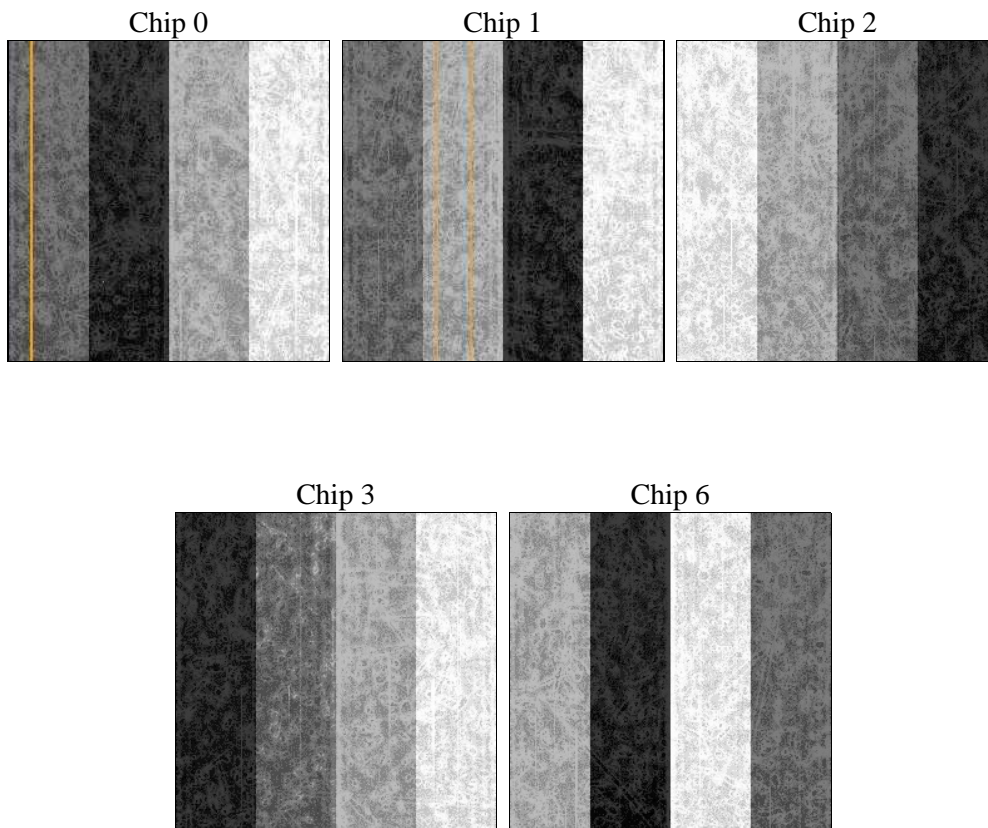
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19768.70015204	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	19768.70015204	Sum of GTIs [s]
date	2012-06-13T19:12:19	Date and time of file creation	ontime1	19765.559131801	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	19765.559141695	Sum of GTIs [s]
			ontime3	19762.418161094	Sum of GTIs [s]
			ontime6	19762.418111384	Sum of GTIs [s]
			l1events	857857	Number of level 1 events

2.1.4 Events

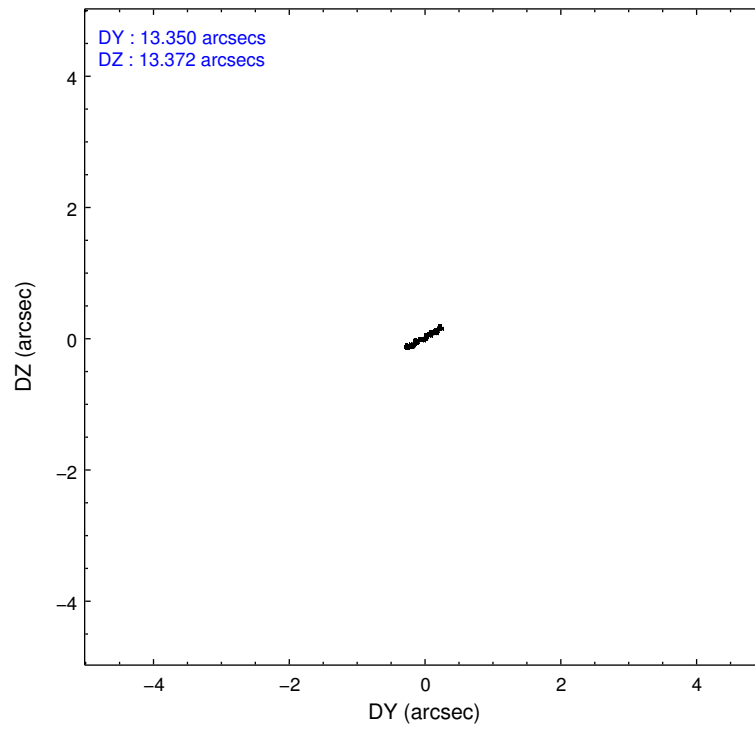
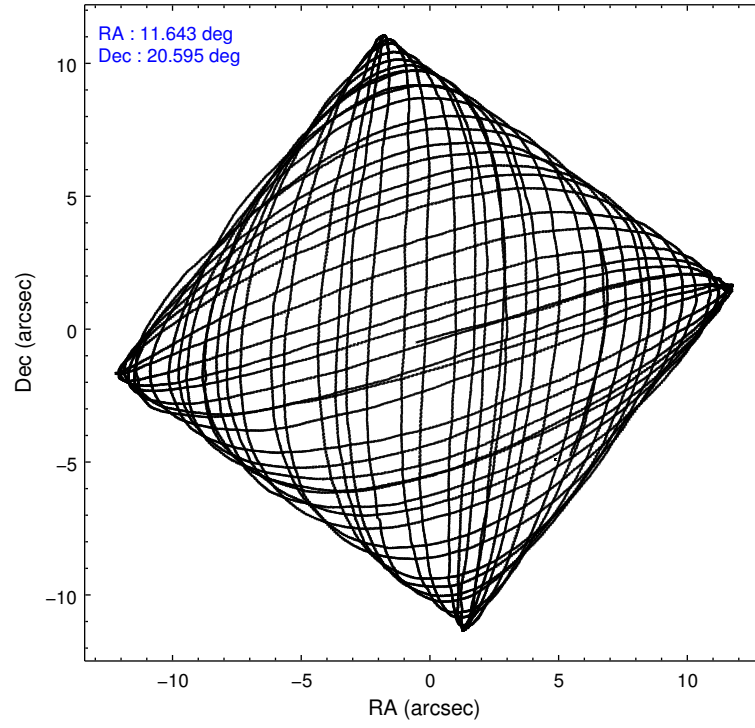
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	163195	167704	182262	175540	169156
rejected events	141065	146660	164444	154634	151594
rejected %	86%	87%	90%	88%	89%

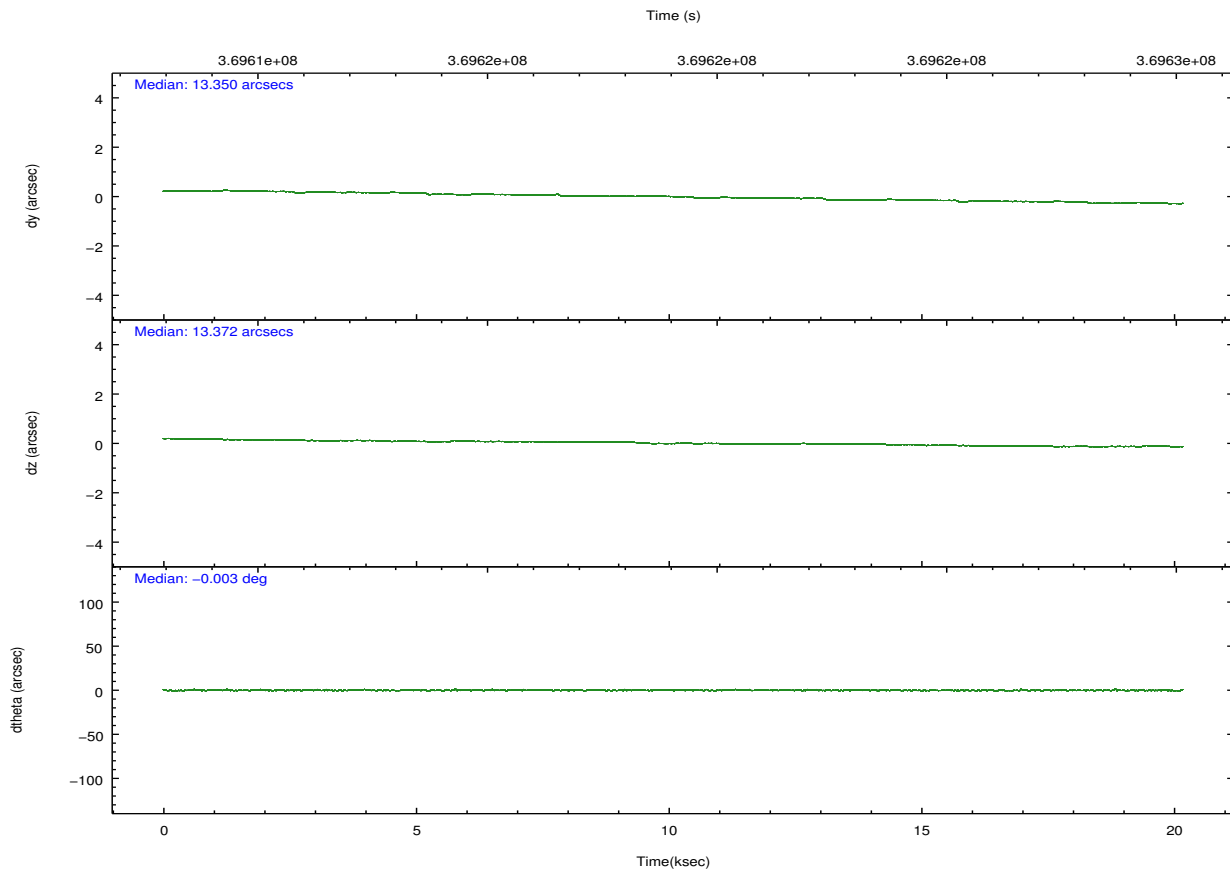
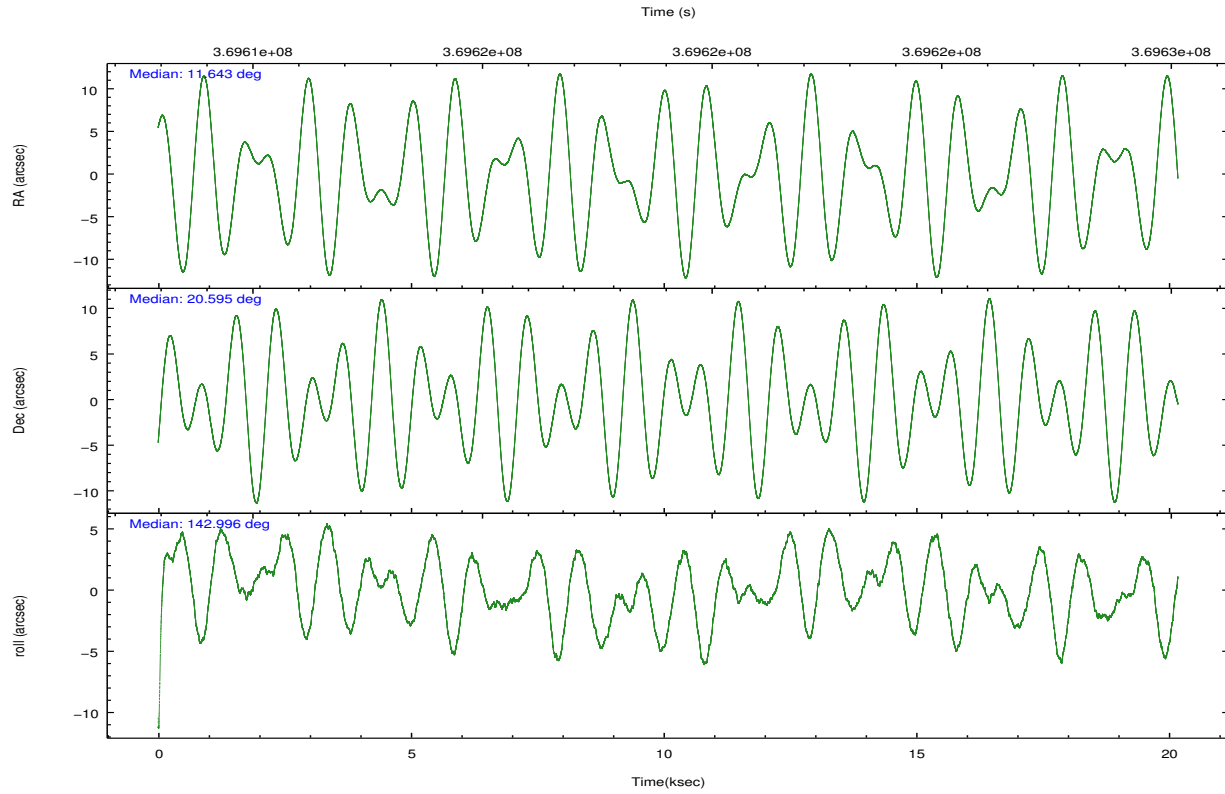
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10023	8066	6806	9496	6183
	6%	4%	3%	5%	3%
grade 1 events	119	99	93	137	90
	0%	0%	0%	0%	0%
grade 2 events	4644	4707	4148	4072	3849
	2%	2%	2%	2%	2%
grade 3 events	2048	2107	1793	1942	1975
	1%	1%	0%	1%	1%
grade 4 events	1924	2076	1905	1896	1861
	1%	1%	1%	1%	1%
grade 5 events	6422	6873	5871	7313	6946
	3%	4%	3%	4%	4%
grade 6 events	3499	4095	3170	3504	3701
	2%	2%	1%	1%	2%
grade 7 events	134516	139681	158476	147180	144551
	82%	83%	86%	83%	85%

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	11.672451	11.64330208880641	Subarray requested	NONE	NONE
[deg] Pointing Dec	20.591943	20.5951967880011	Alternating exposures requested	N	N
[deg] Pointing Roll	142.783427	143.0023702658062	[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	-243.829963	-243.825726368781			
[mm] SIM translation stage offset	10.2375	10.23327336585132			
[s] Observation start time (MET)	369609126.184000	369608750.104			
Observation start date	2009-09-17T21:11:00	2009-09-17T21:05:50			
[s] Observation end time (MET)	369629126.184000	369629624.23004			
Observation end date	2009-09-18T02:44:20	2009-09-18T02:53:44			
Read mode	TIMED	TIMED			

2.3 Aspect



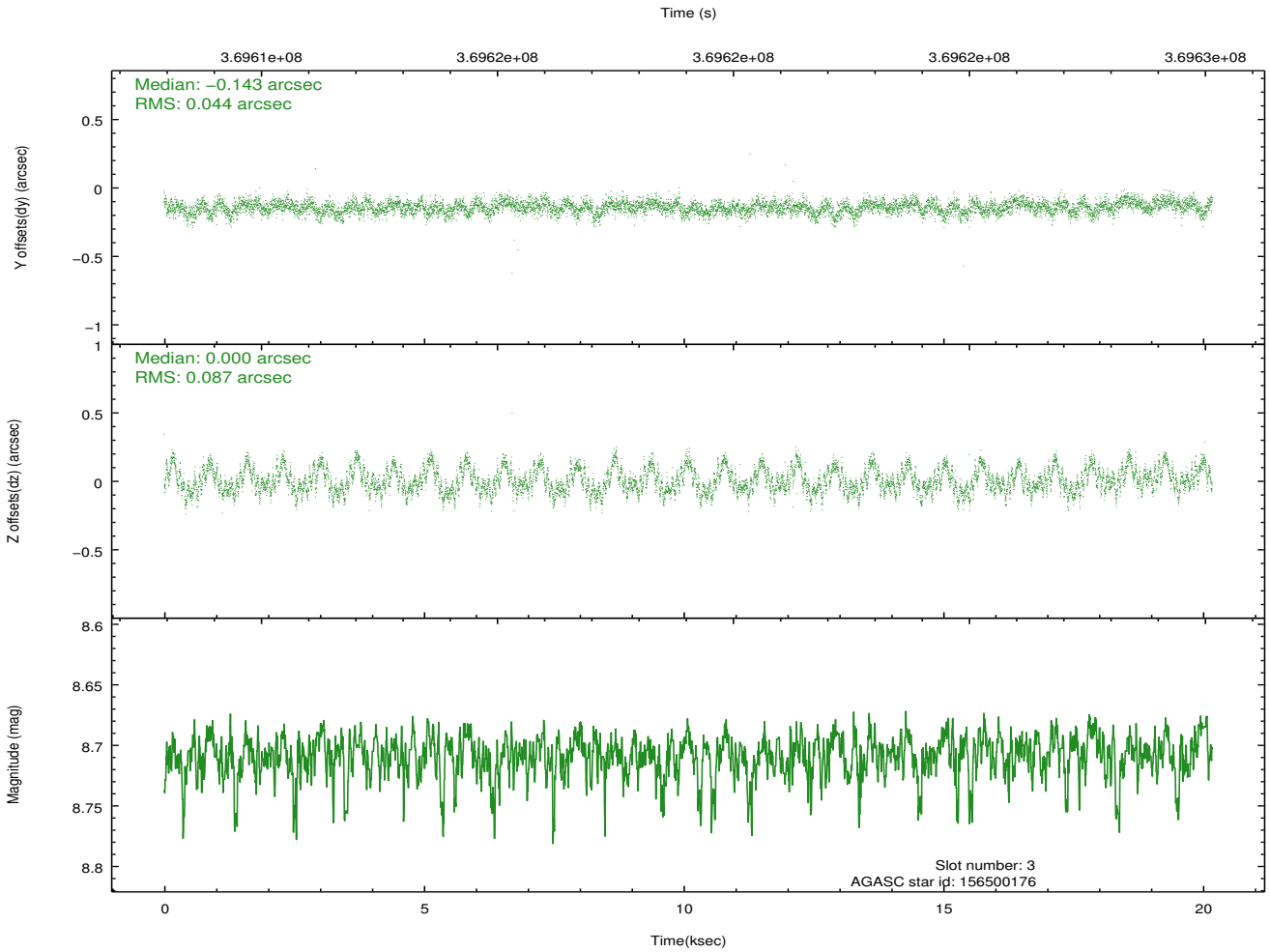
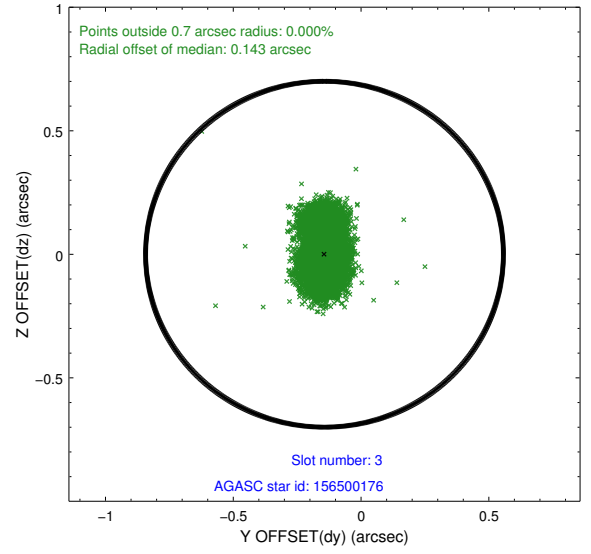
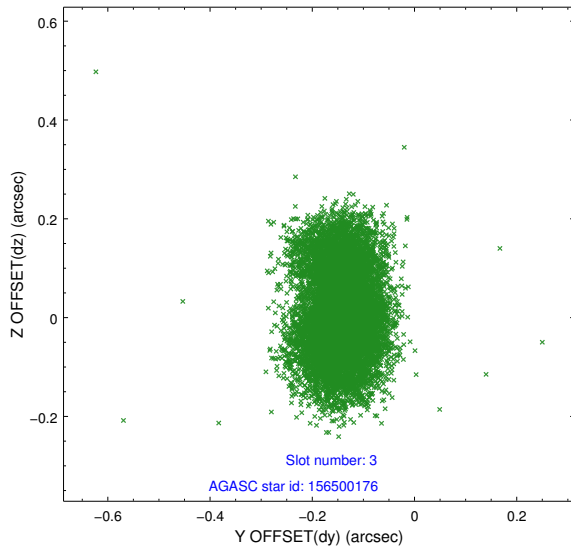


Slot Statistics

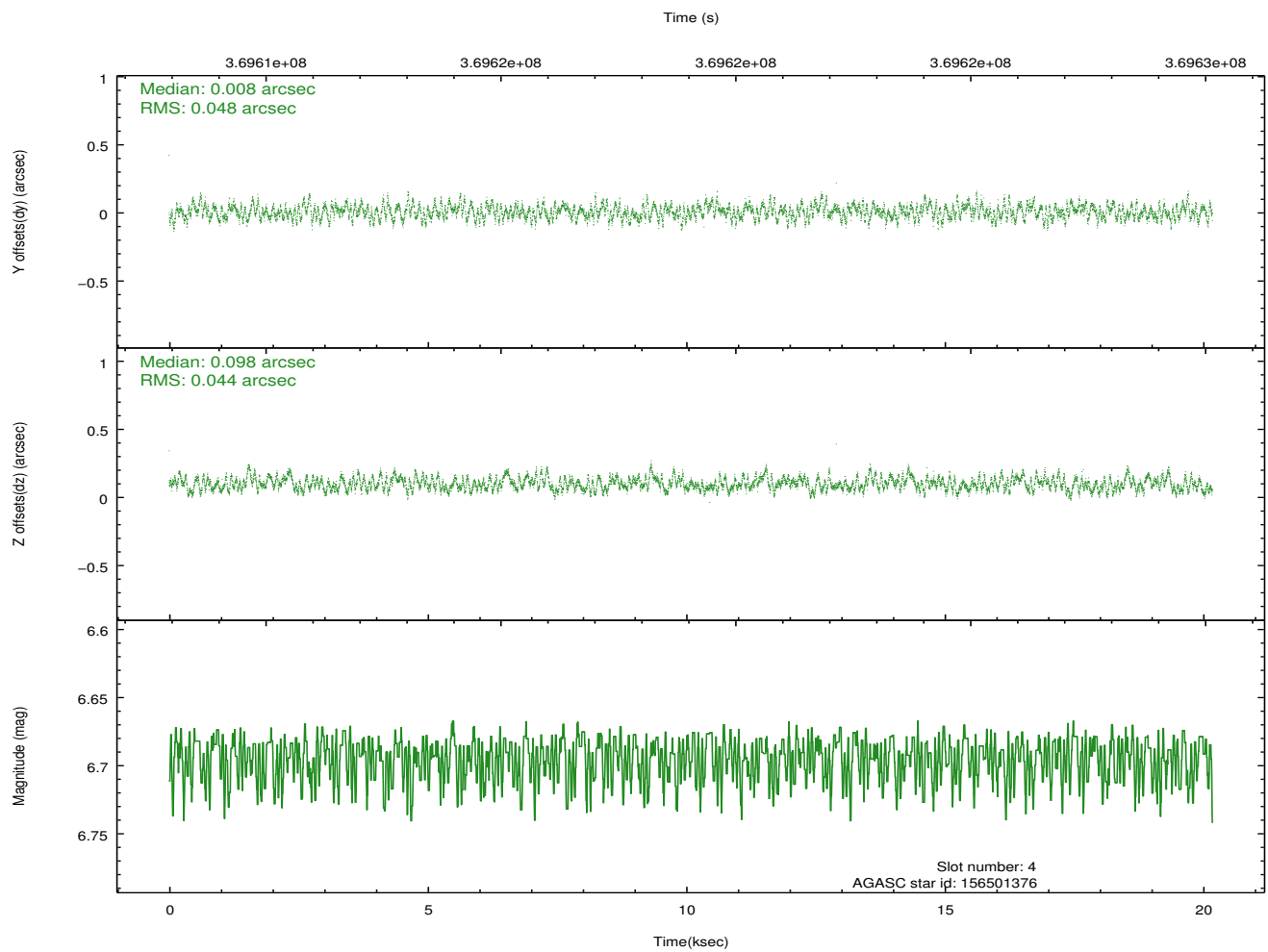
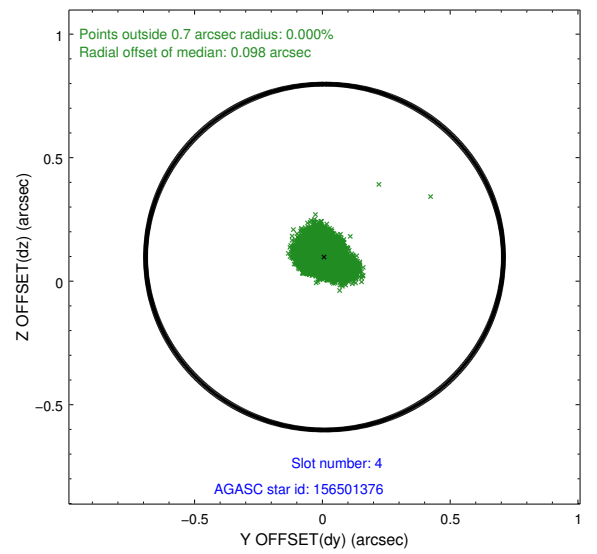
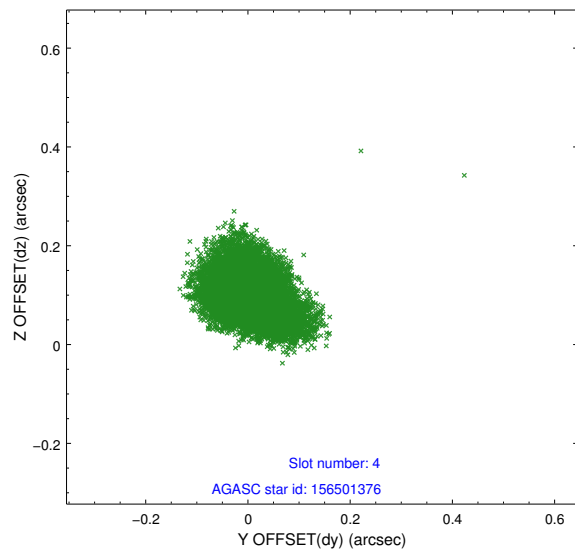
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.12	4922	-0.001	0.012	0.008	0.018	0.000000	0.000000	926.38	-626.59
1	FID	ACIS-I-5	7.06	4922	-0.105	0.033	0.008	0.013	0.000000	0.000000	-1821.78	1270.79
2	FID	ACIS-I-6	7.04	4922	0.016	0.025	0.007	0.015	0.000000	0.000000	391.67	1915.55
3	GUIDE	156500176	8.71	9834	-0.143	0.000	0.103	0.172	11.171670	20.448926	1033.79	1430.36
4	GUIDE	156501376	6.69	9845	0.008	0.098	0.070	0.110	11.978451	20.925347	-93.35	-1579.40
5	GUIDE	156502176	8.04	9836	-0.107	0.184	0.064	0.104	11.982190	21.024044	112.86	-1868.68
6	GUIDE	156504328	9.32	9831	0.031	0.208	0.113	0.176	12.430893	20.736850	-1713.96	-1964.52
7	GUIDE	156504744	9.27	9832	0.213	-0.500	0.101	0.166	11.771228	20.412855	-654.79	311.33

2.4 Star Slots

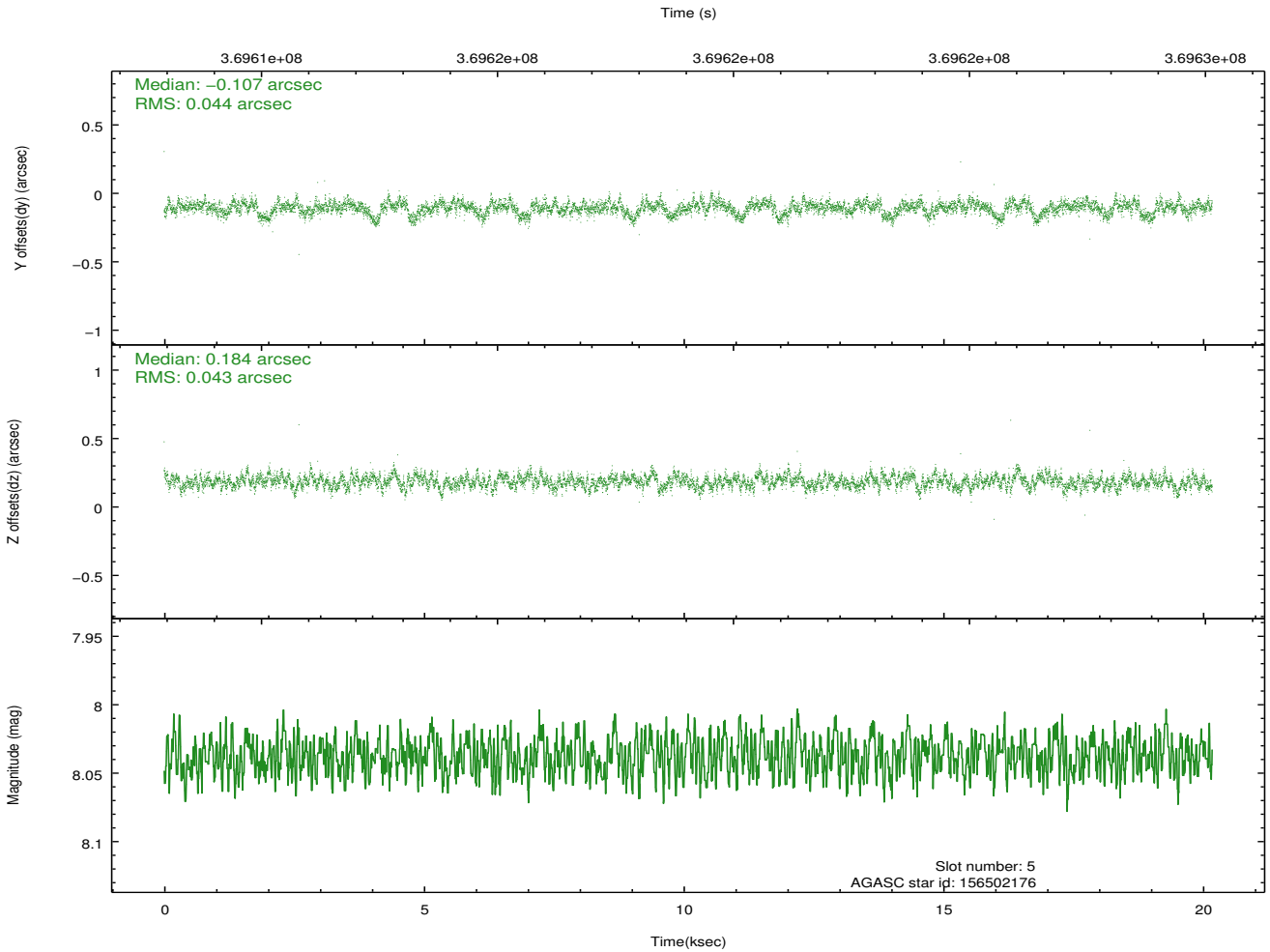
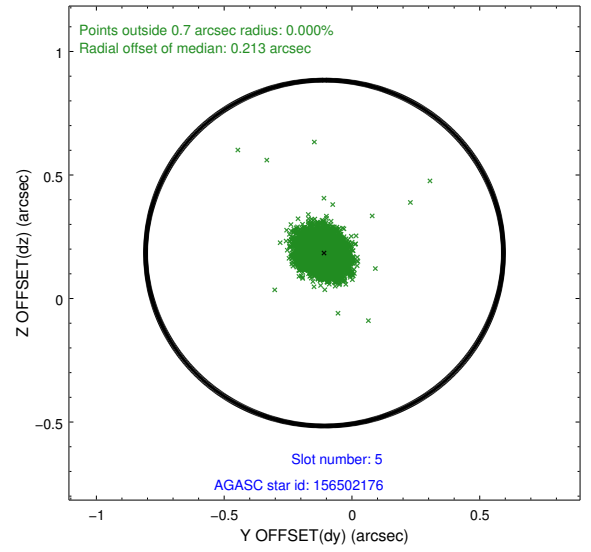
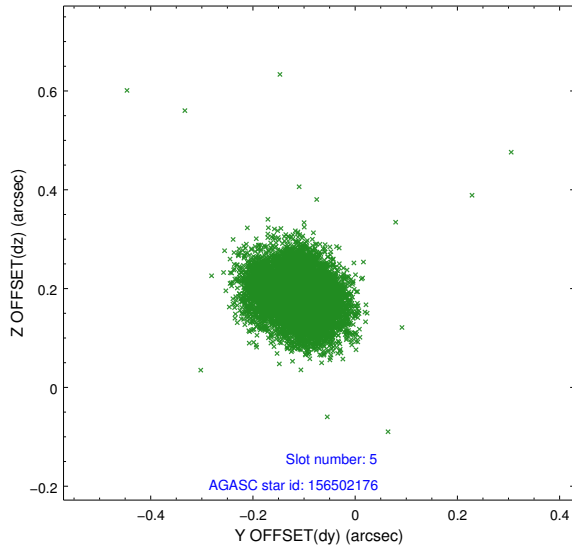
2.4.1 Slot 3



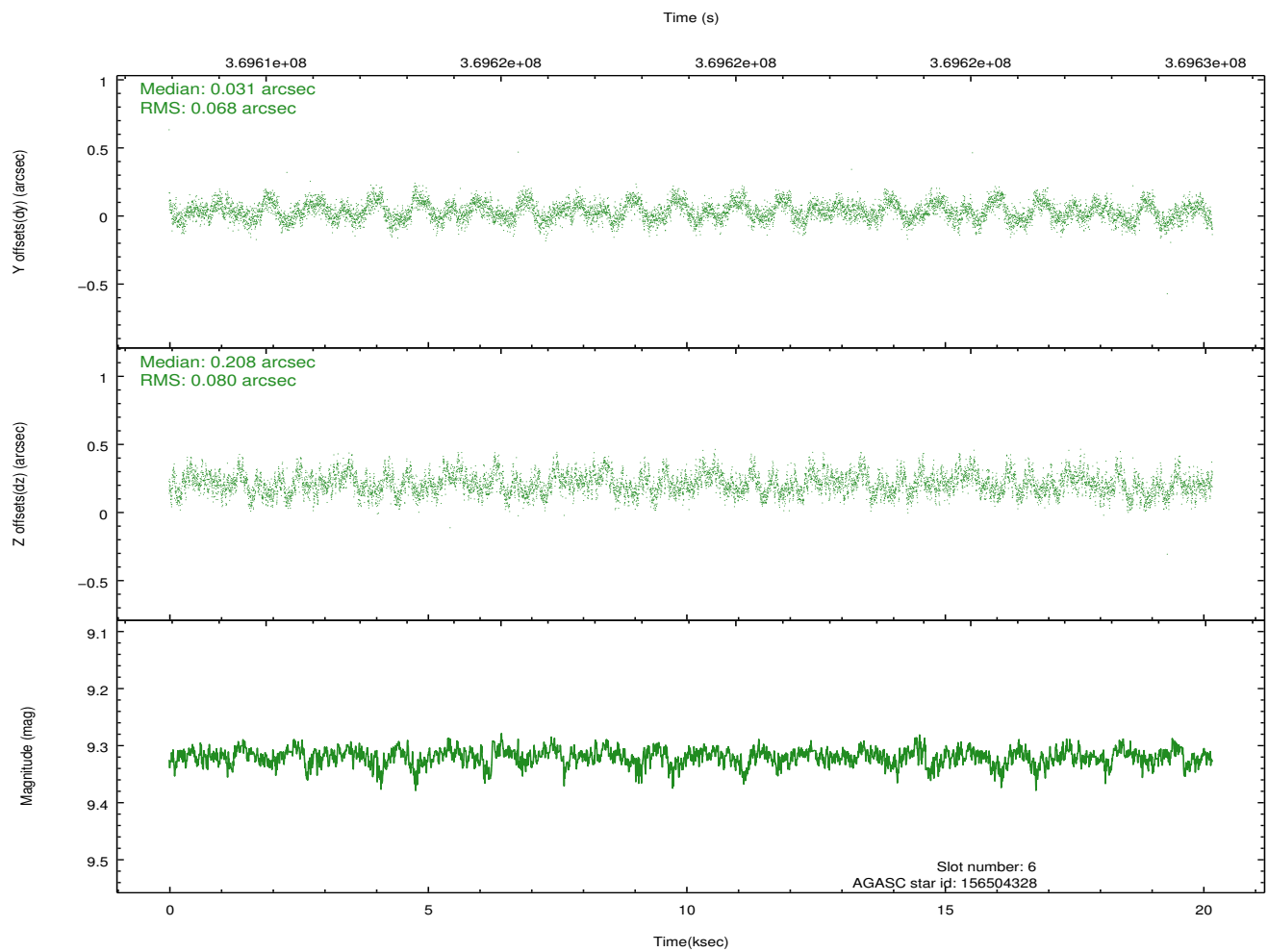
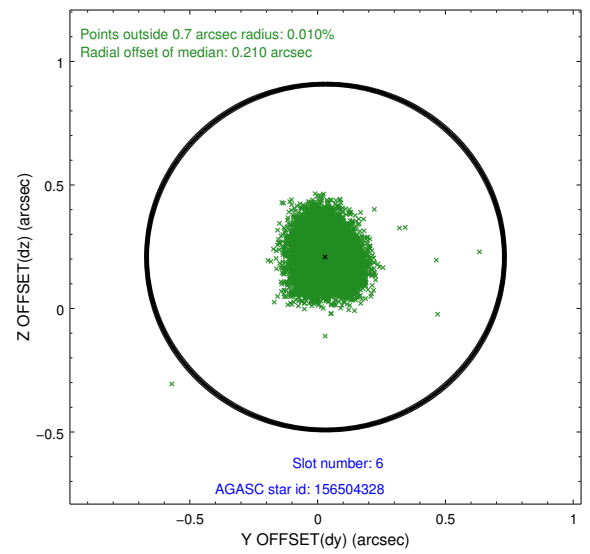
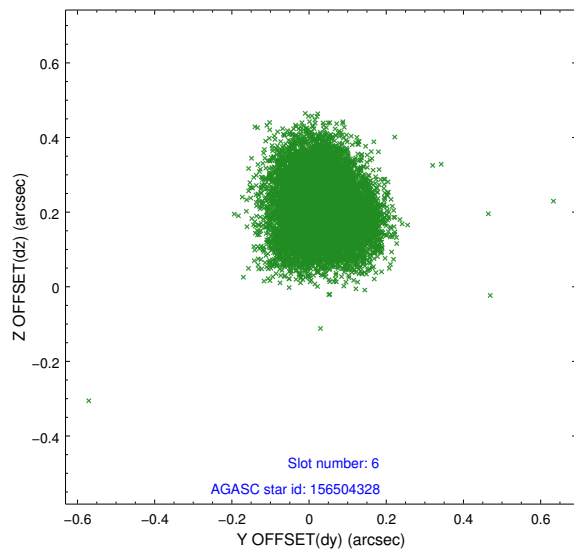
2.4.2 Slot 4



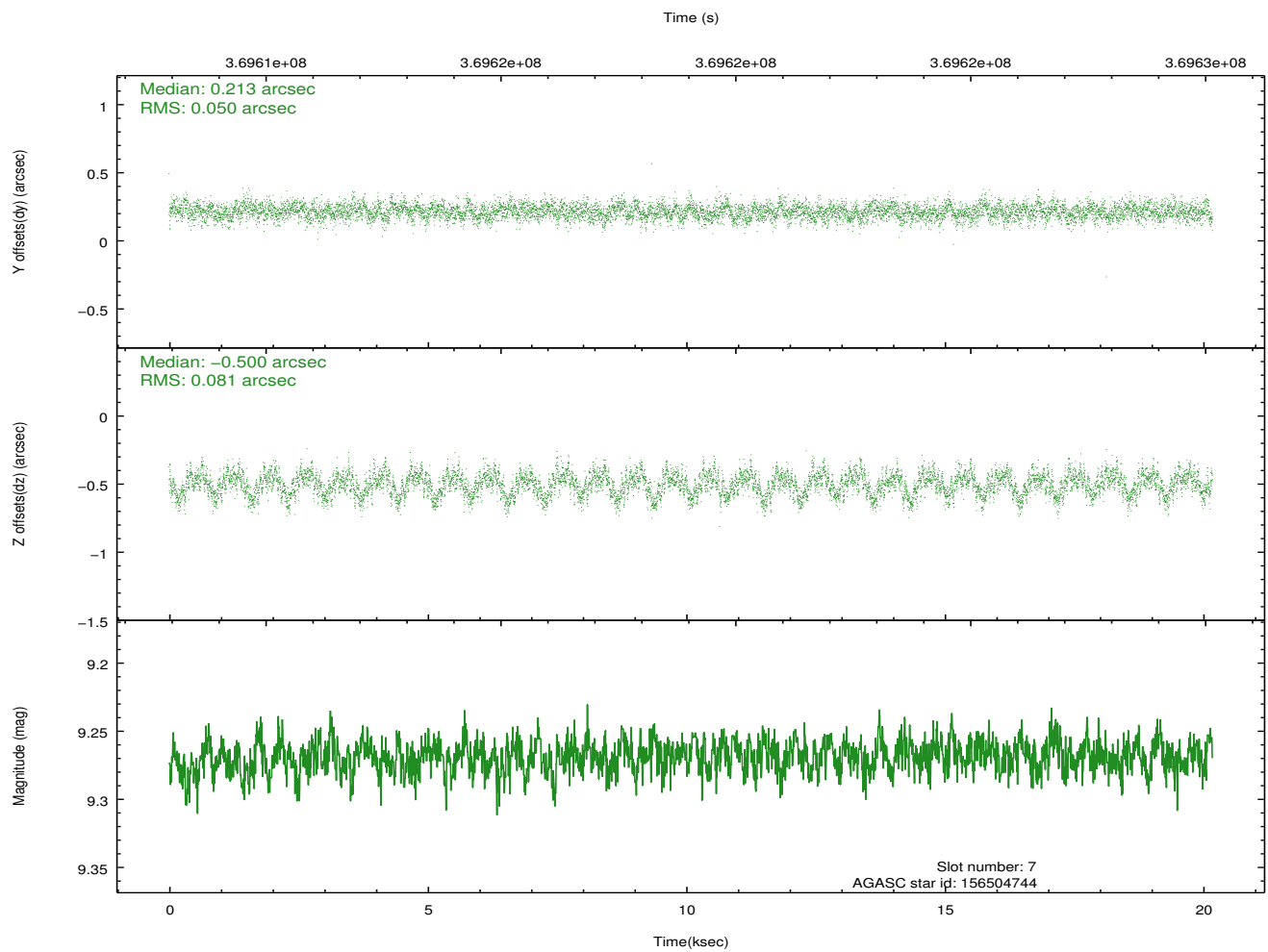
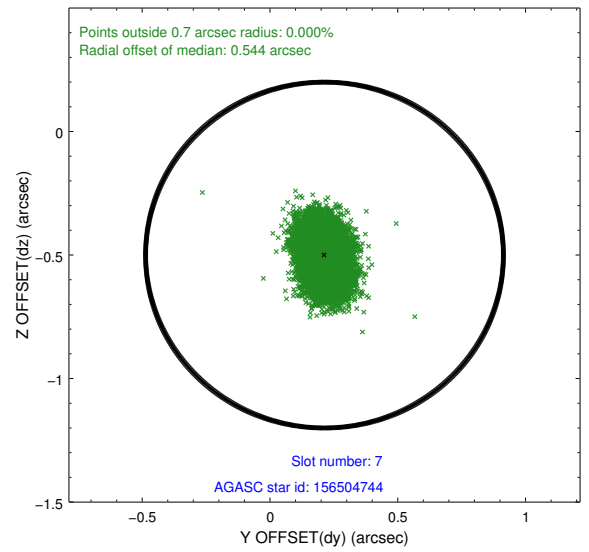
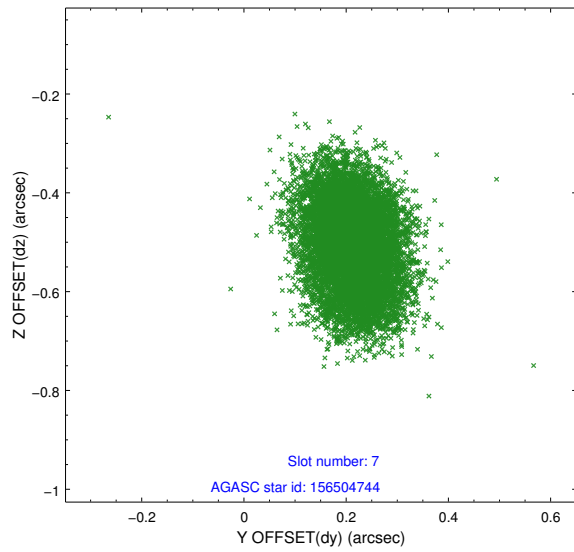
2.4.3 Slot 5



2.4.4 Slot 6

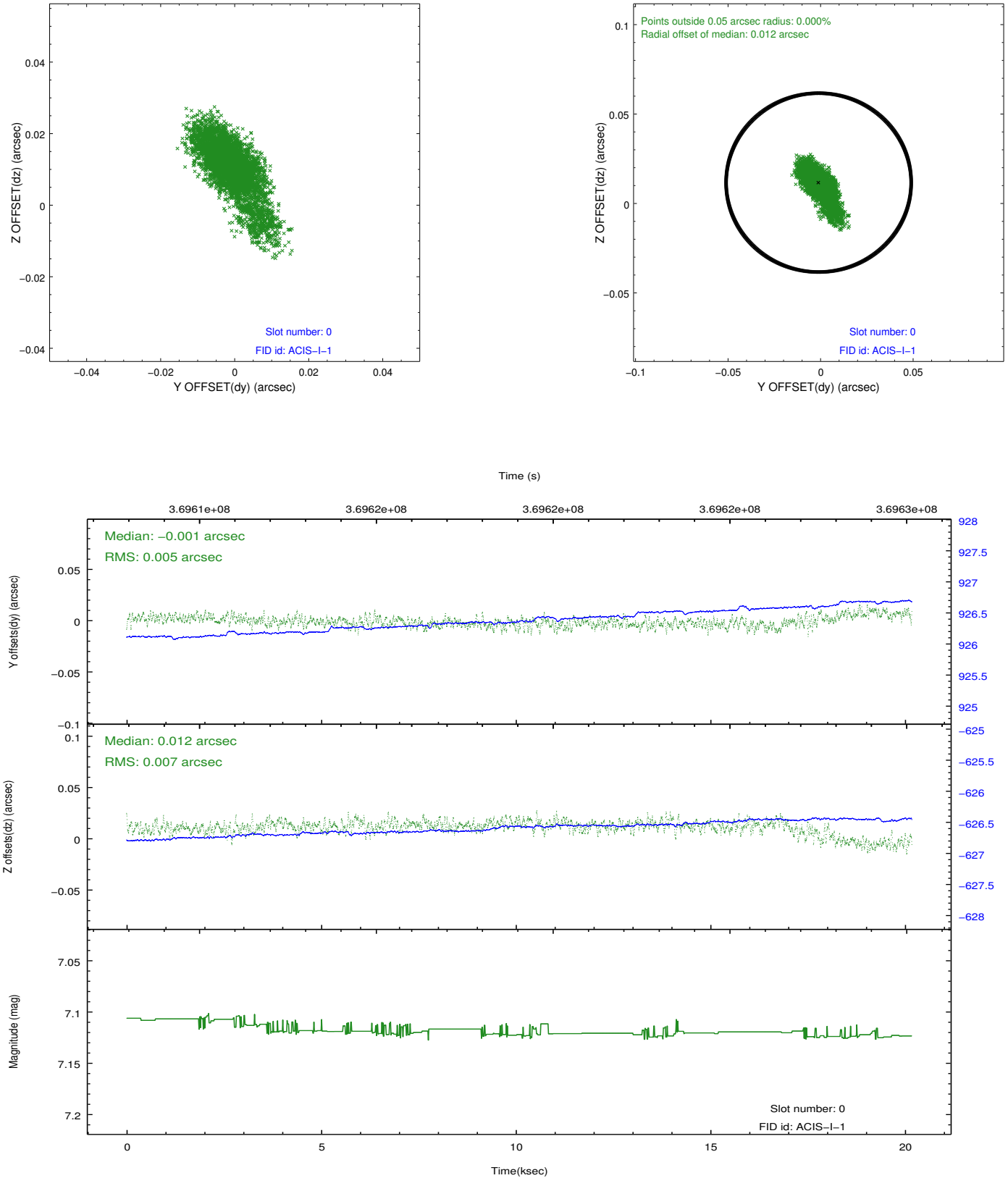


2.4.5 Slot 7

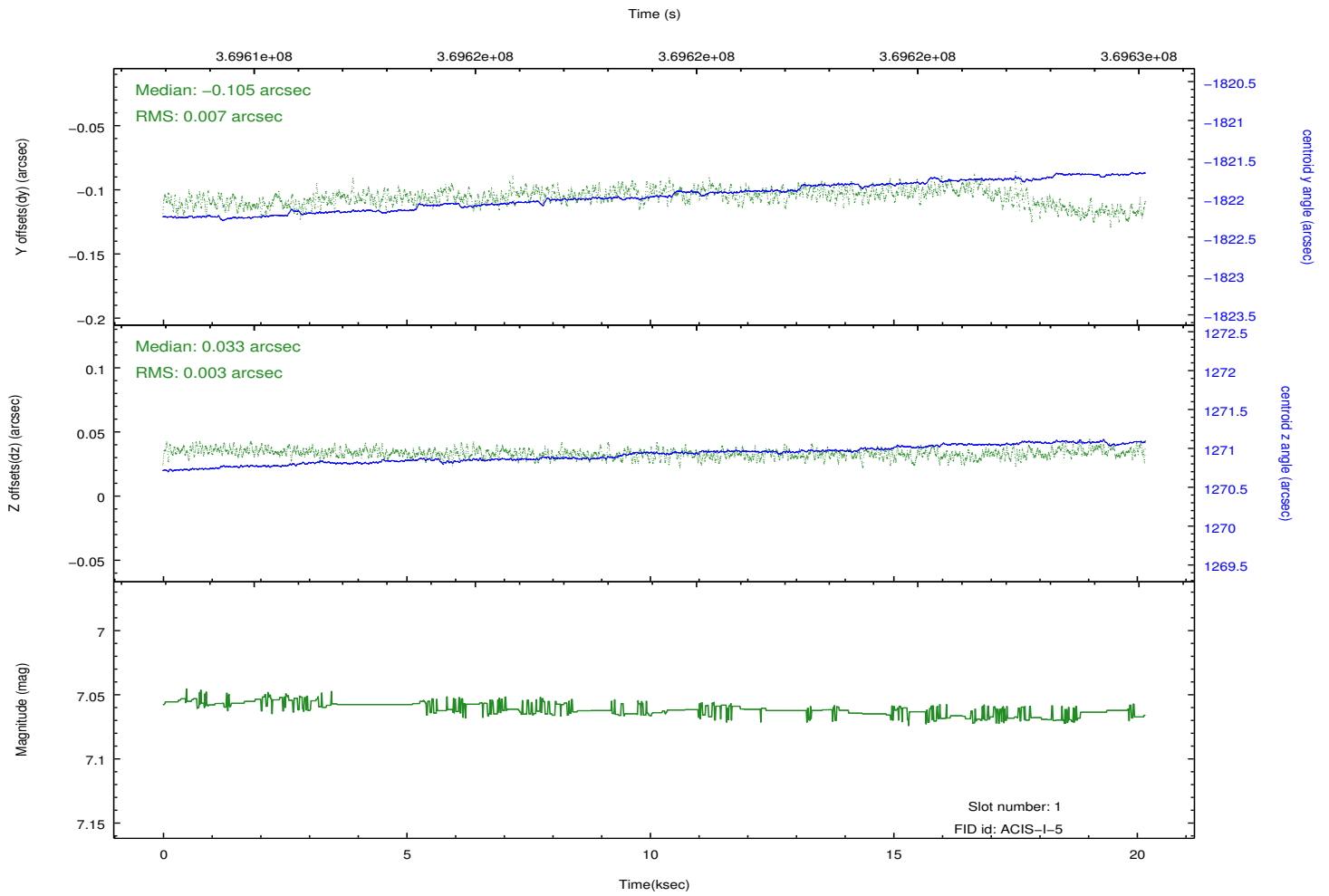
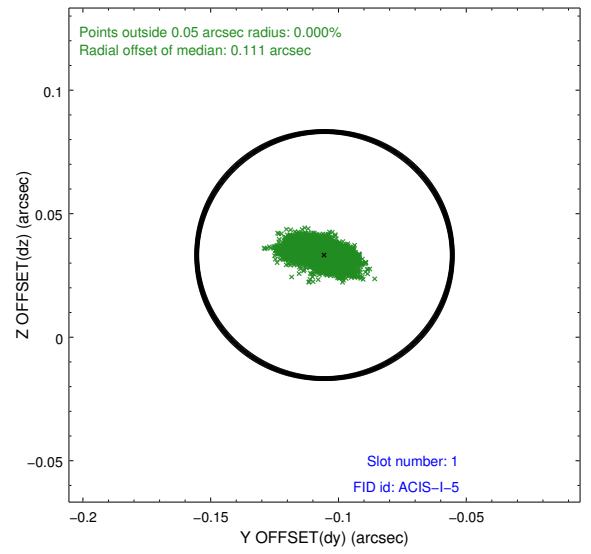
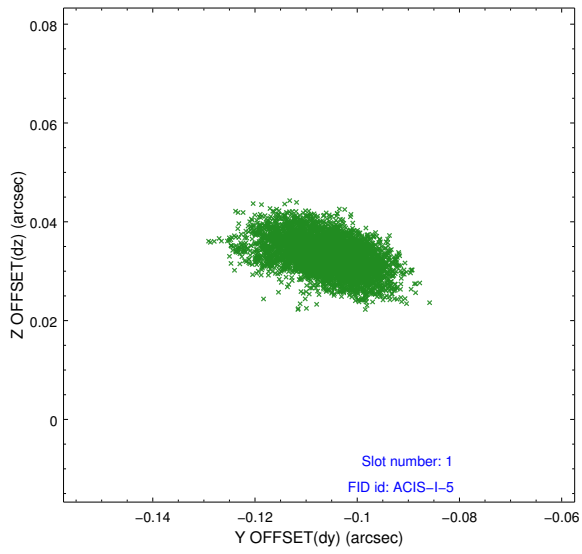


2.5 FID Slots

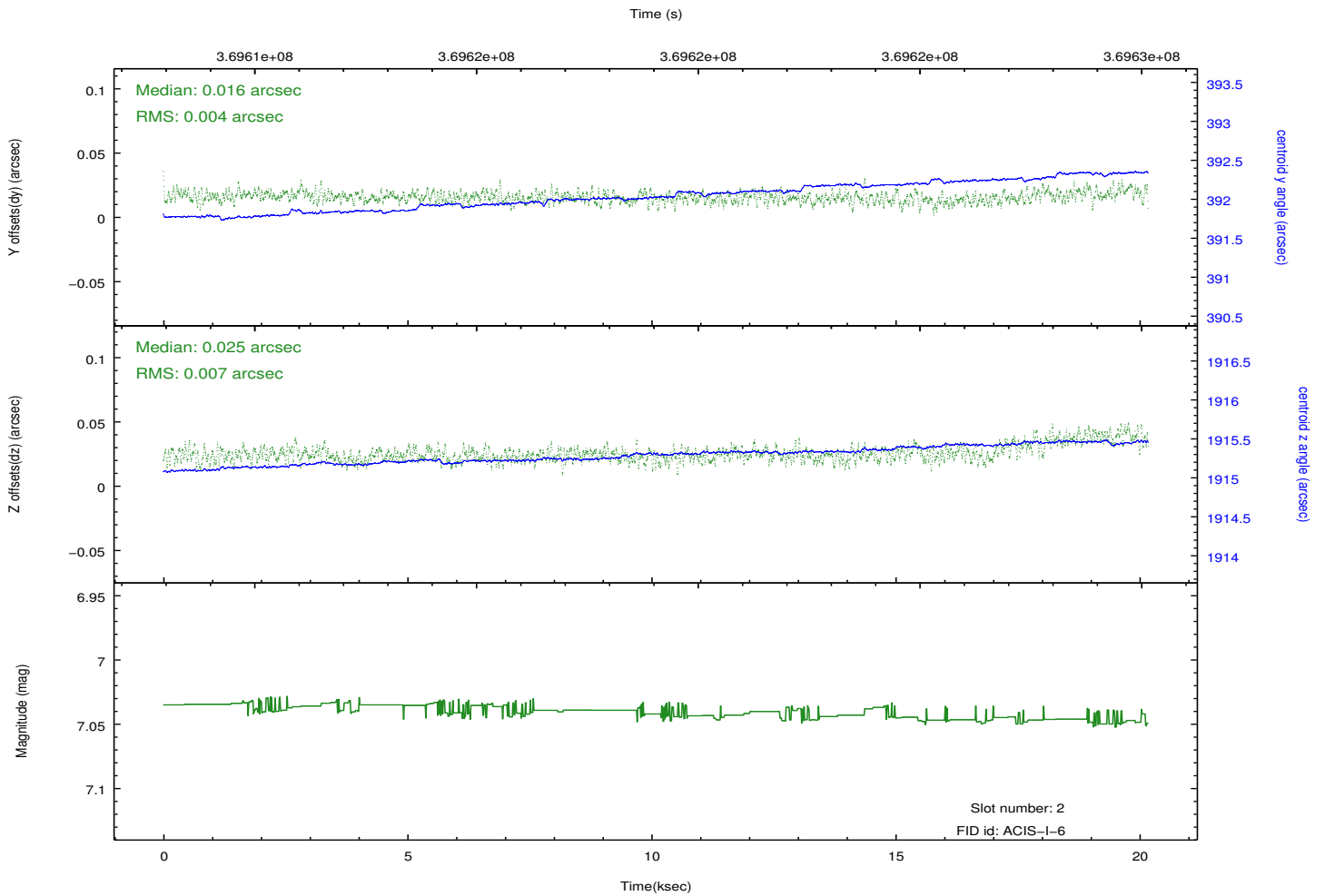
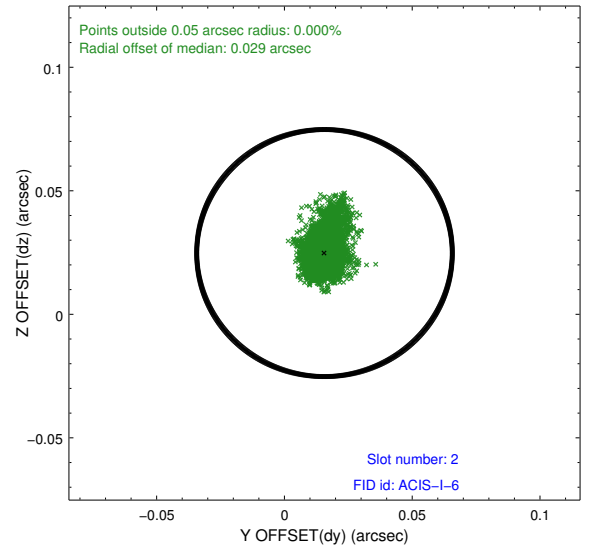
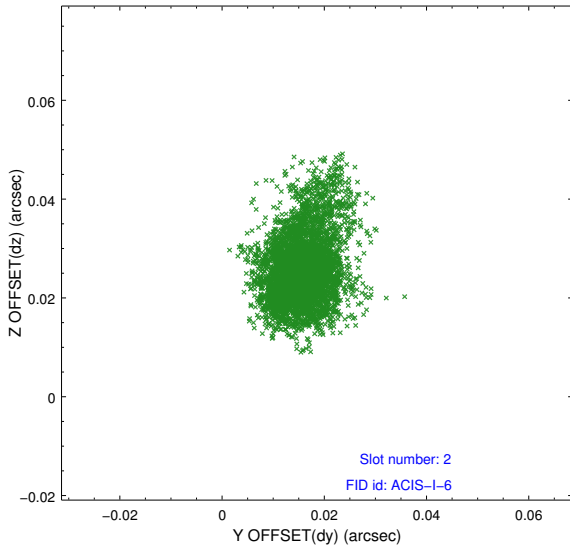
2.5.1 Slot 0



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)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.76870015204

A.2 Comments