

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 17546 - L2 Version 1
Chandra X-Ray Center

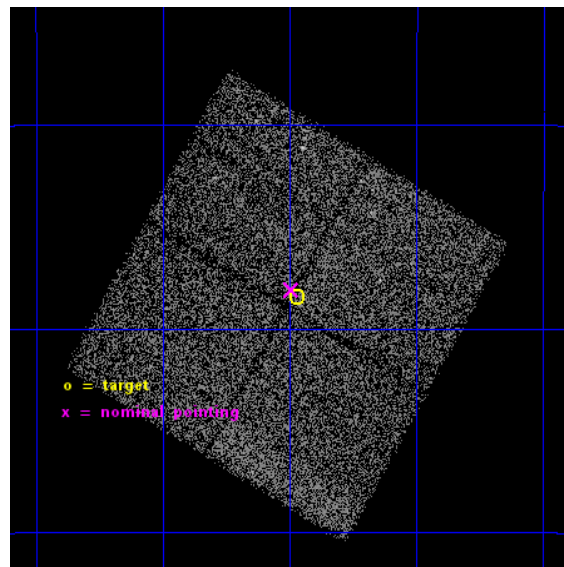
L2 Processing Date : Nov 2 2014

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1 Front

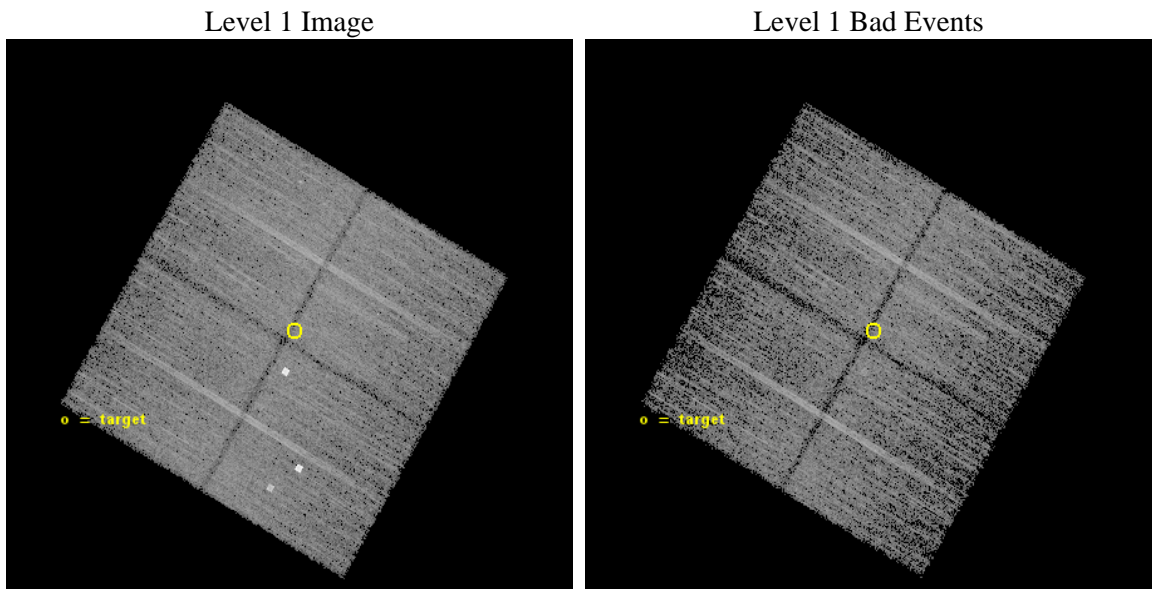
seq_num	901115	Sequence number
obs_id	17546	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.117083	Observer's specified target RA [deg]
dec_targ	-27.807333	Observer's specified target Dec [deg]
ra_nom	53.123317172582	Nominal RA [deg]
dec_nom	-27.801313010599	Nominal Dec [deg]
roll_nom	30.211654579079	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20084.859094083	Sum of GTIs [s]
livetime	19822.435623761	Livetime [s]
ontime0	20087.952486038	Sum of GTIs [s]
ontime1	20084.852465689	Sum of GTIs [s]
ontime2	20081.718023419	Sum of GTIs [s]
ontime3	20084.859094083	Sum of GTIs [s]
l2events	40006	Number of level 2 events



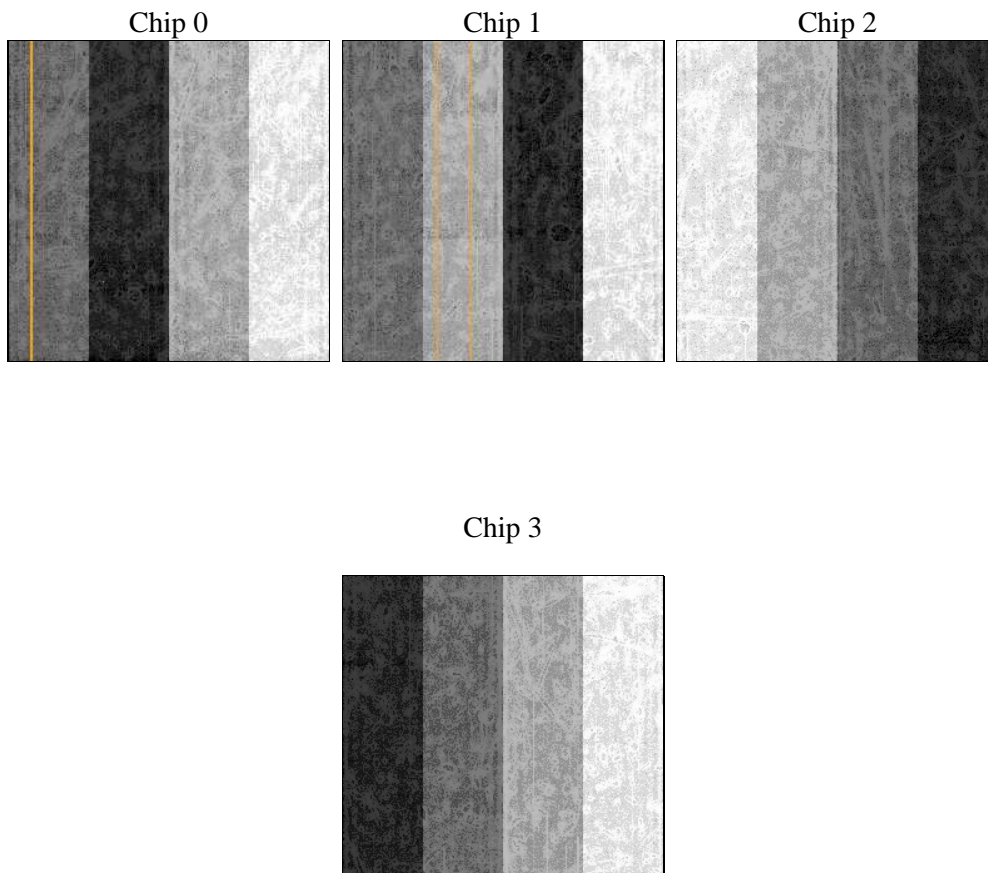
2 OBI

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	10.3	Processing system revision	ontime	20084.859094083	Sum of GTIs [s]
caldsver	4.6.4	 	ontime0	20087.952486038	Sum of GTIs [s]
date	2014-11-03T04:27:50	Date and time of file creation	ontime1	20084.852465689	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	20081.718023419	Sum of GTIs [s]
			ontime3	20084.859094083	Sum of GTIs [s]
			l1events	415128	Number of level 1 events

2.1.4 Events

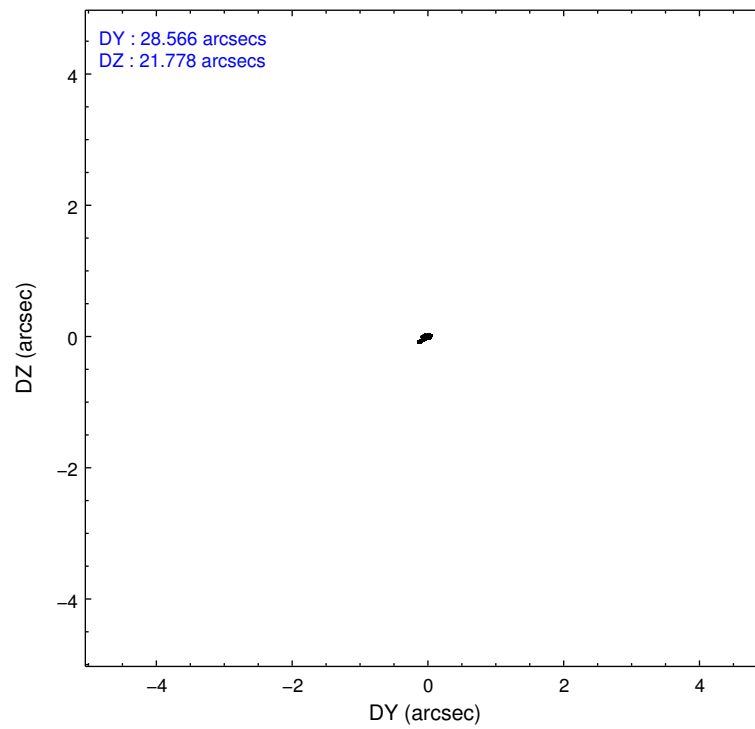
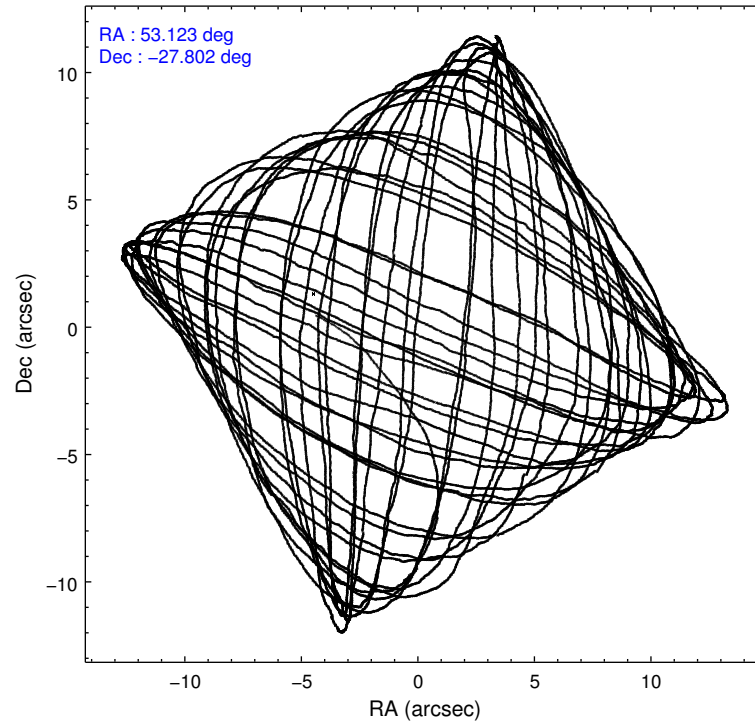
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	93710	110938	106410	104070
rejected events	81188	84300	93343	92733
rejected %	86%	75%	87%	89%

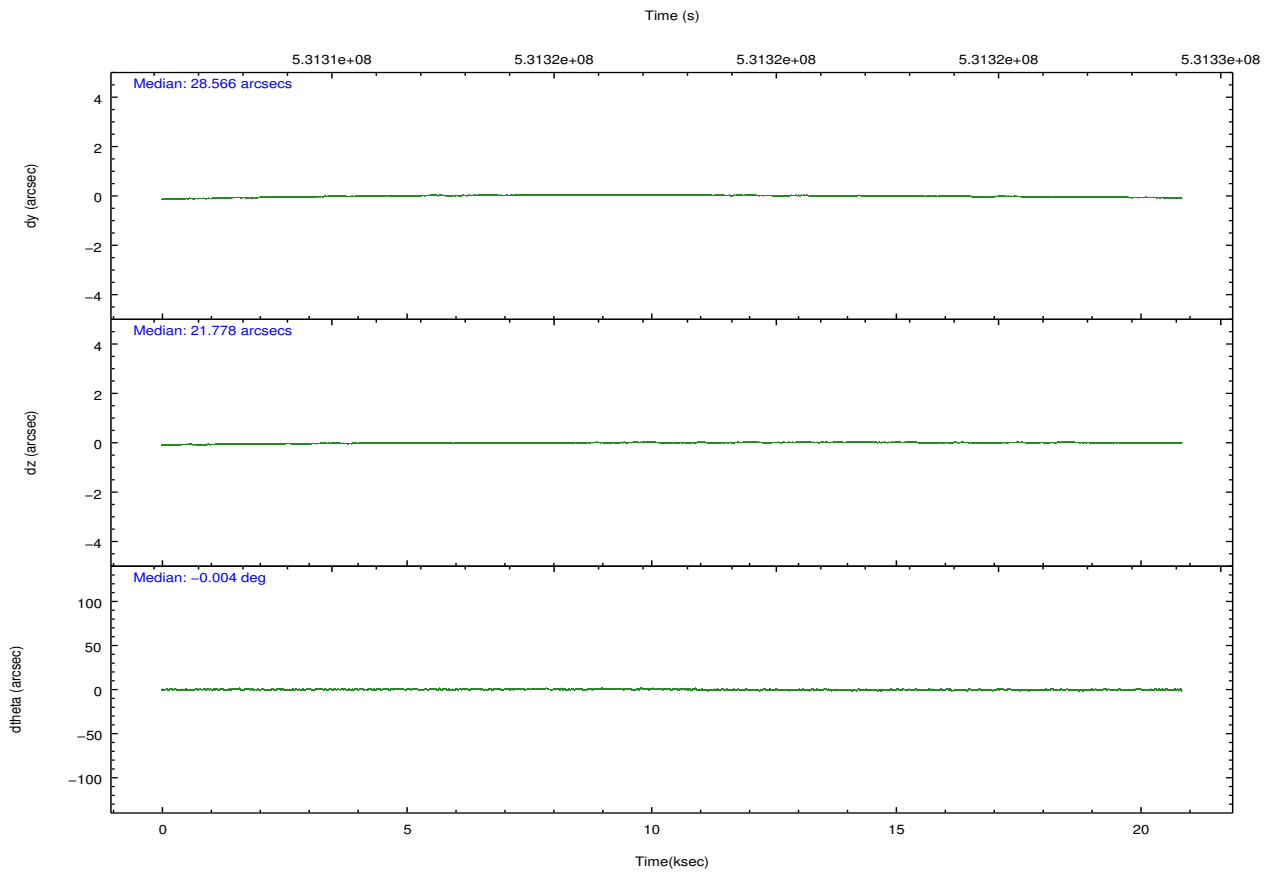
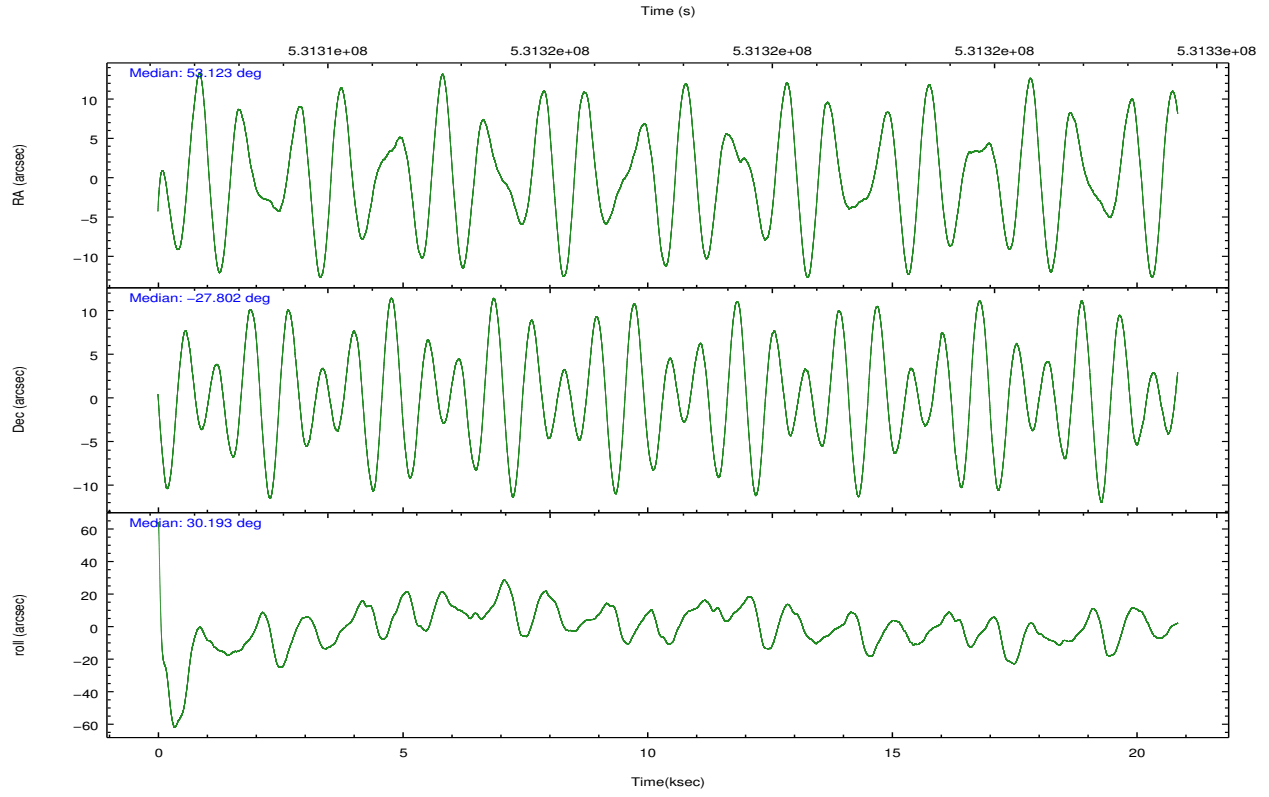
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	4312	17931	4744	3928
	4%	16%	4%	3%
grade 1 events	51	118	56	64
	0%	0%	0%	0%
grade 2 events	3418	3306	3401	2657
	3%	2%	3%	2%
grade 3 events	1243	1276	1195	1161
	1%	1%	1%	1%
grade 4 events	1116	1317	1334	1191
	1%	1%	1%	1%
grade 5 events	4704	5012	4496	5350
	5%	4%	4%	5%
grade 6 events	2437	2820	2399	2403
	2%	2%	2%	2%
grade 7 events	76429	79158	88785	87316
	81%	71%	83%	83%

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	53.107919	53.12331717258189	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.825297	-27.80131301059851	Alternating exposures requested	N	N
[deg] Pointing Roll	29.995716	30.21165457907917	[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)	531308064.184000	531306853.57758			
Observation start date	2014-11-02T09:33:17	2014-11-02T09:14:13			
[s] Observation end time (MET)	531328064.184000	531328508.75379			
Observation end date	2014-11-02T15:06:37	2014-11-02T15:15:08			
Read mode	TIMED	TIMED			

2.3 Aspect



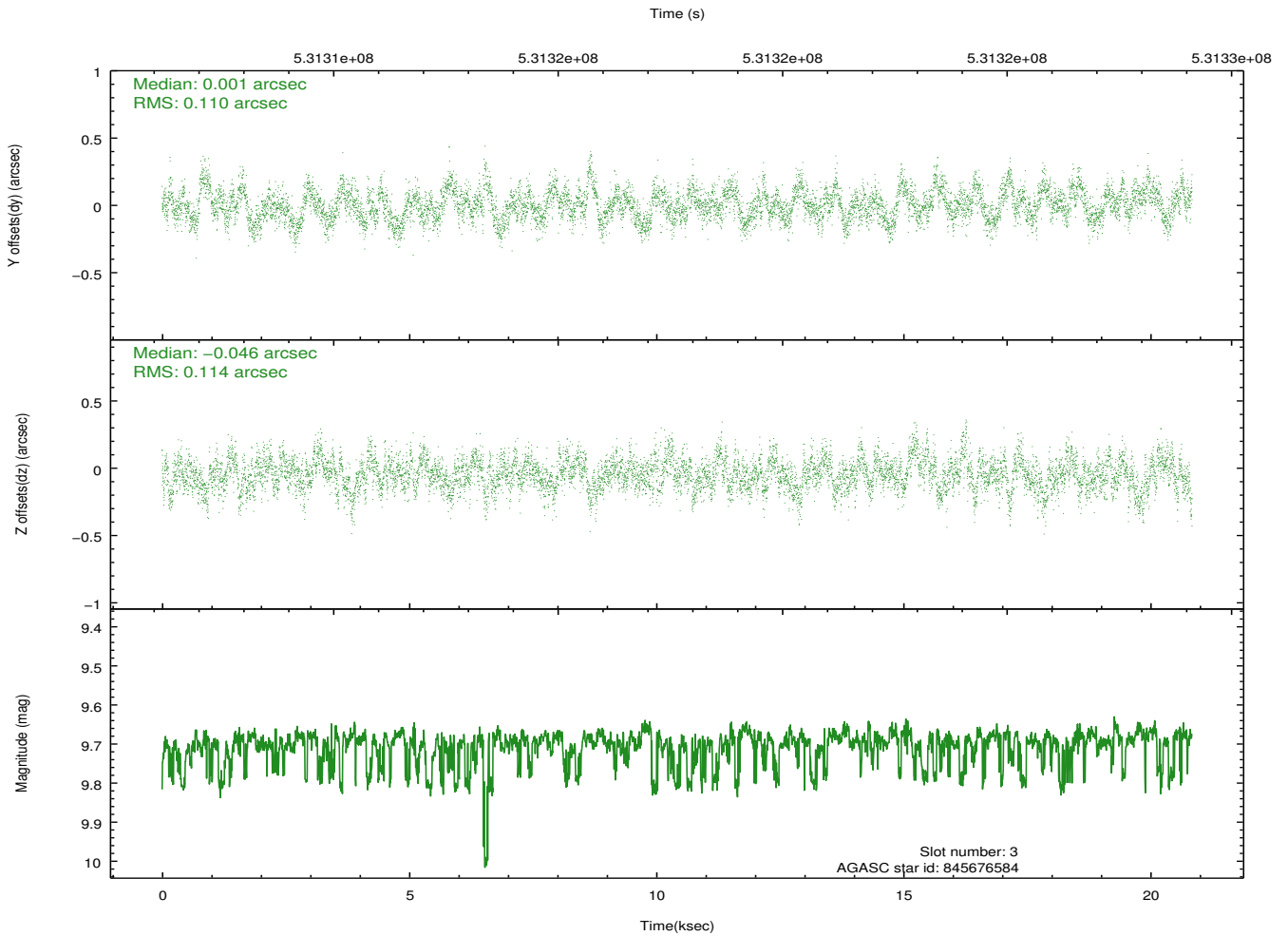
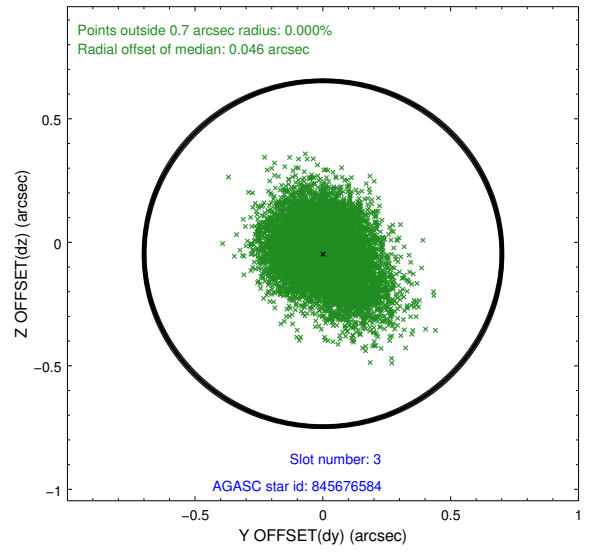
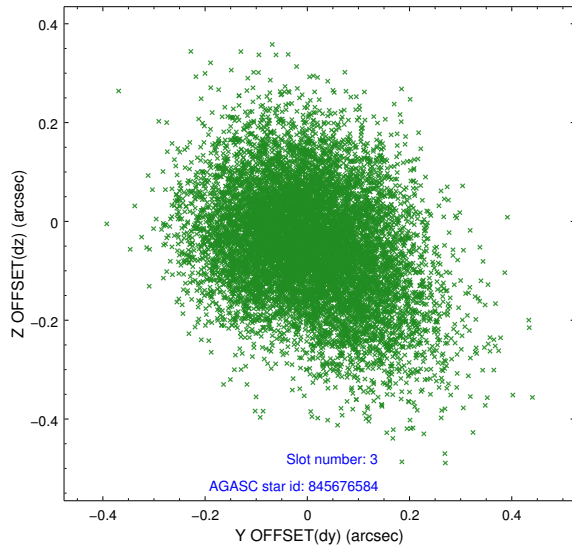


Slot Statistics

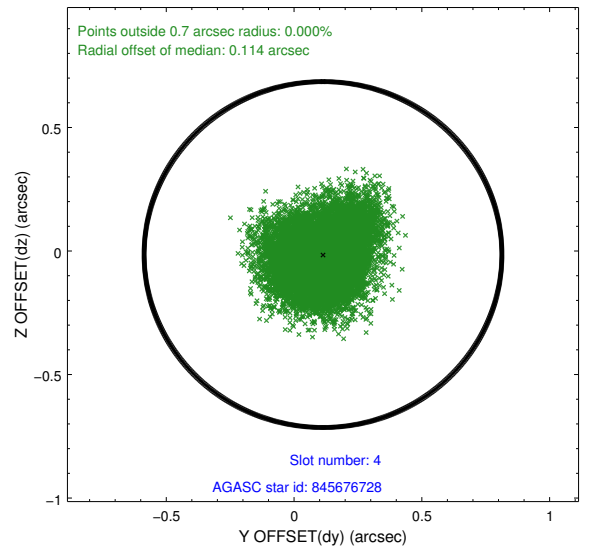
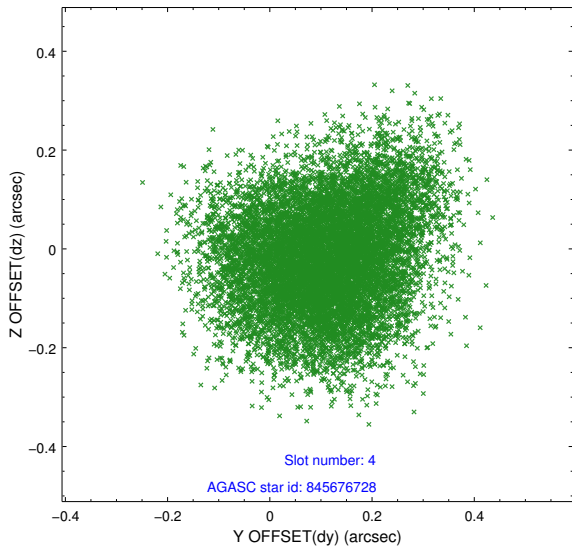
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.15	5084	0.049	-0.010	0.012	0.018	0.000000	0.000000	910.61	-845.52
1	FID		ACIS-I-5	7.13	5084	-0.281	0.035	0.008	0.013	0.000000	0.000000	-1837.80	1051.83
2	FID		ACIS-I-6	7.14	5084	0.140	0.045	0.008	0.013	0.000000	0.000000	375.97	1696.62
3	GUIDE	used	845676584	9.70	10103	0.001	-0.046	0.167	0.274	52.264247	-27.542890	-1828.89	2218.83
4	GUIDE	used	845676728	9.33	10159	0.113	-0.014	0.162	0.253	52.877179	-27.664318	-347.58	869.83
5	GUIDE	used	845676936	9.52	10158	-0.016	-0.034	0.206	0.332	52.843773	-27.880153	-826.13	248.71
6	GUIDE	used	845807880	8.78	10163	-0.138	0.124	0.106	0.175	53.382027	-27.886093	646.04	-625.46
7	GUIDE	used	845813656	10.17	9833	0.046	-0.035	0.332	0.600	53.922767	-28.083703	1773.82	-2105.95

2.4 Star Slots

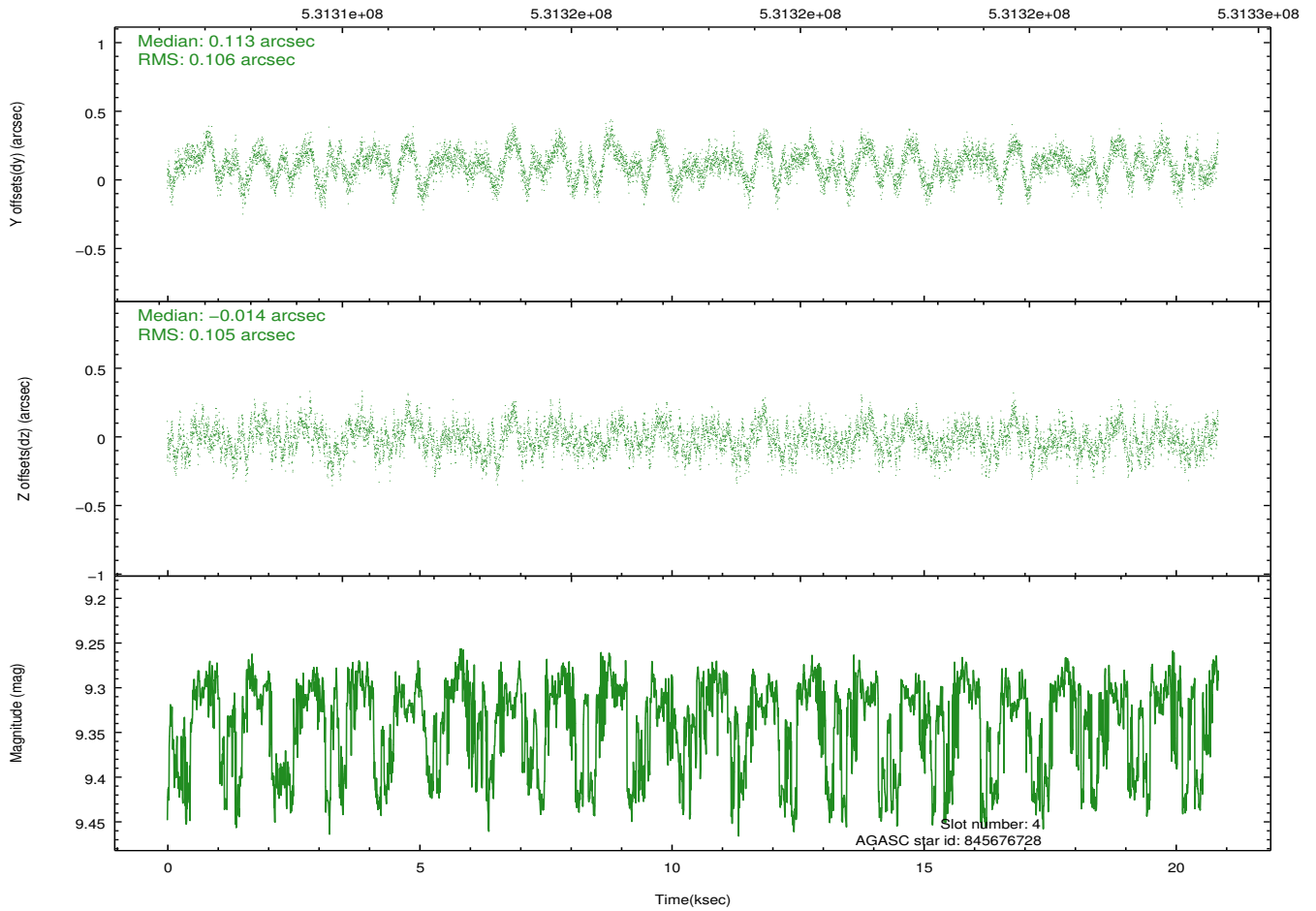
2.4.1 Slot 3



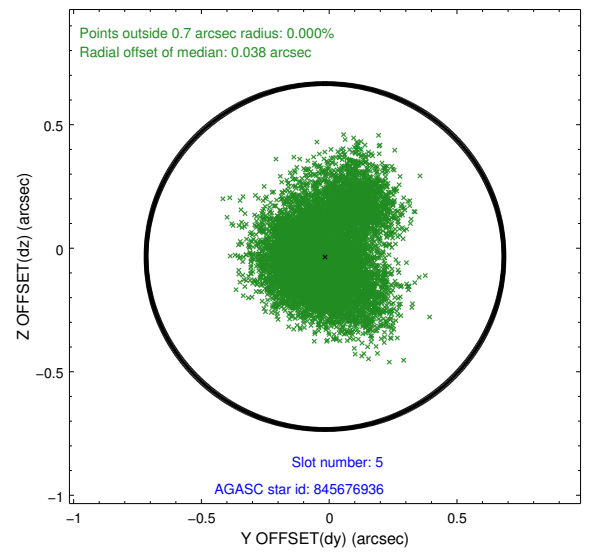
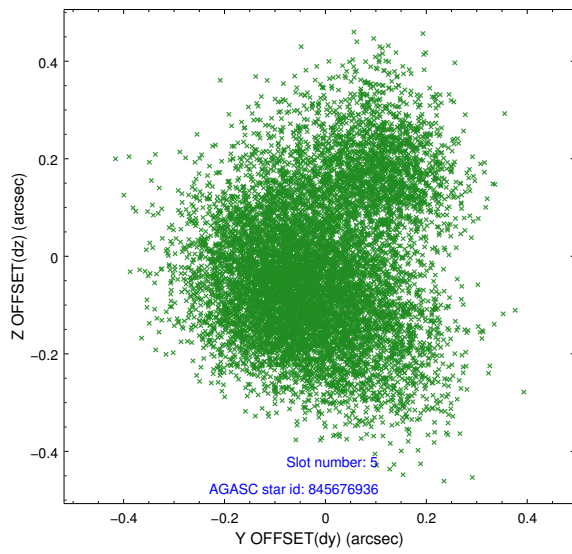
2.4.2 Slot 4



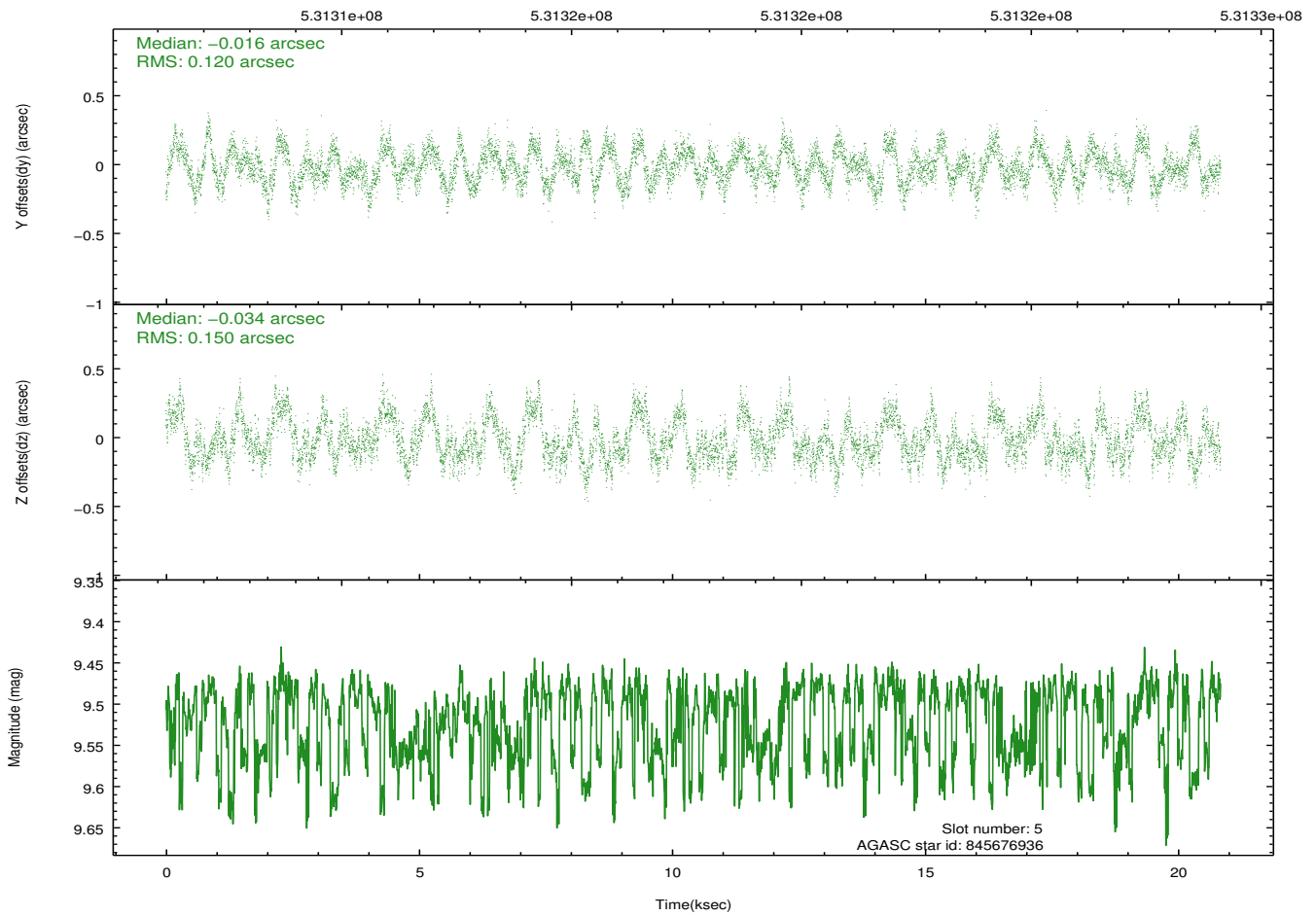
Time (s)



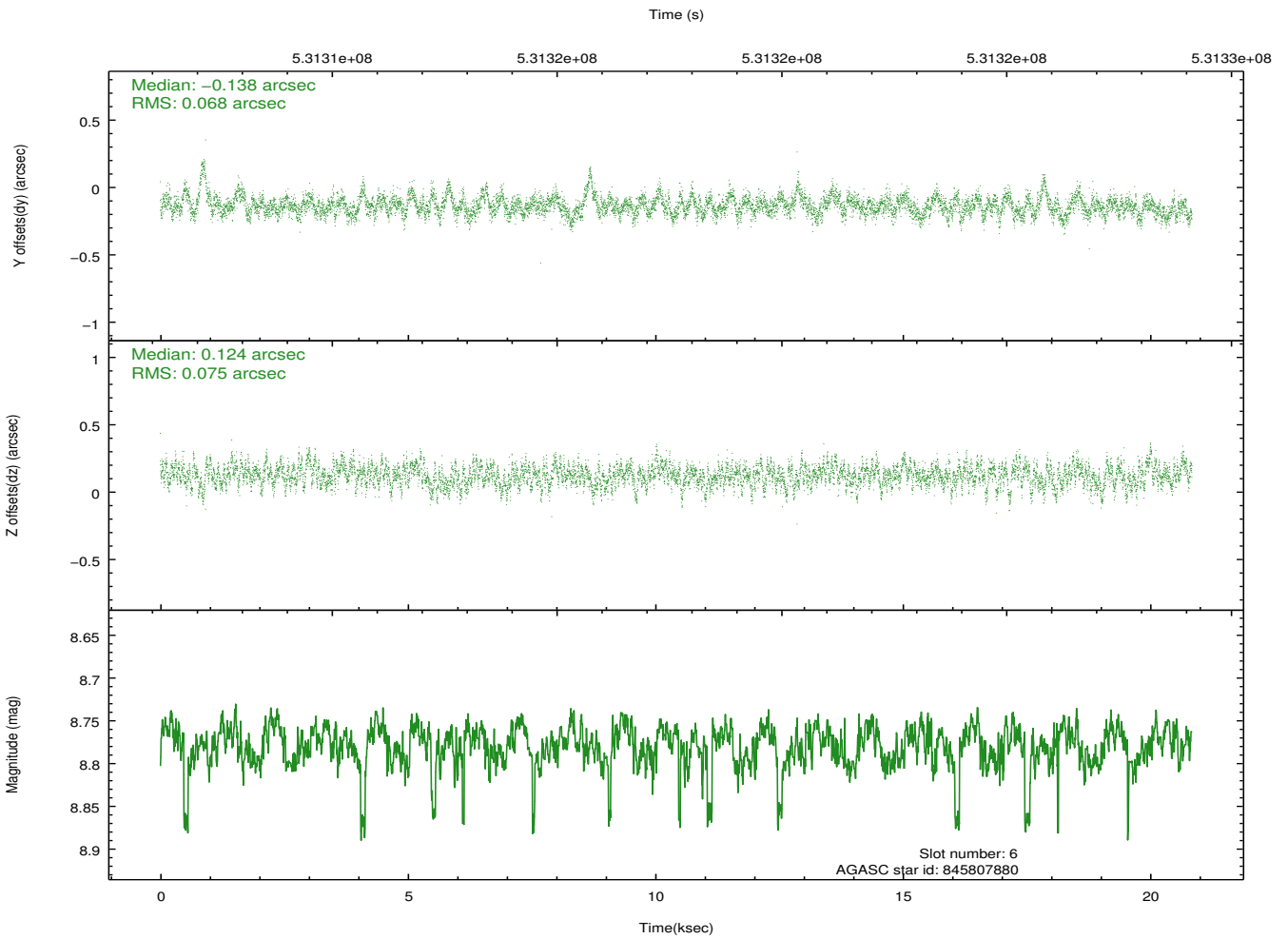
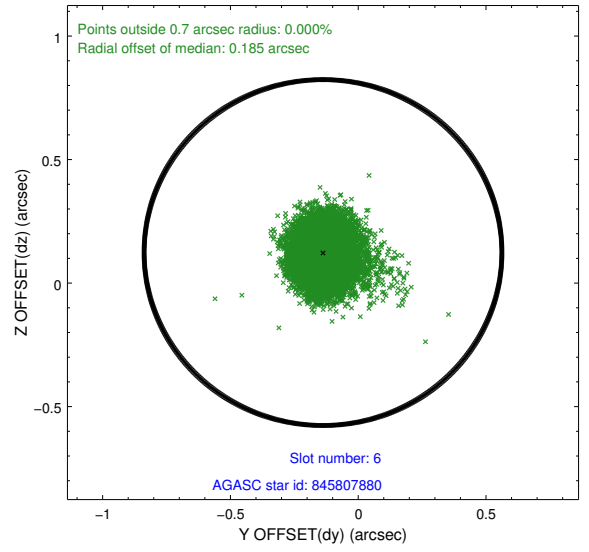
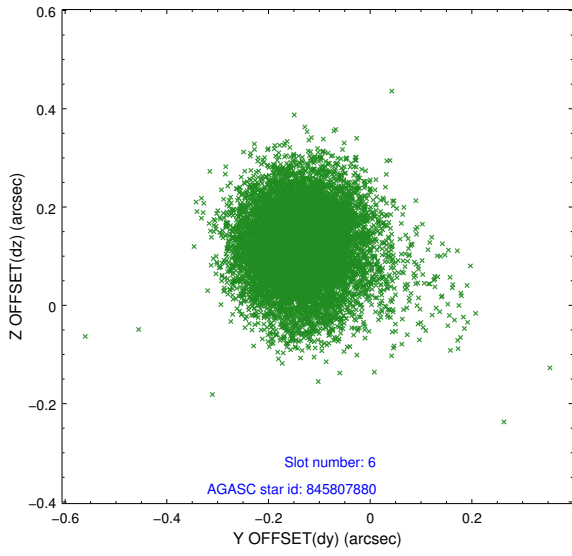
2.4.3 Slot 5



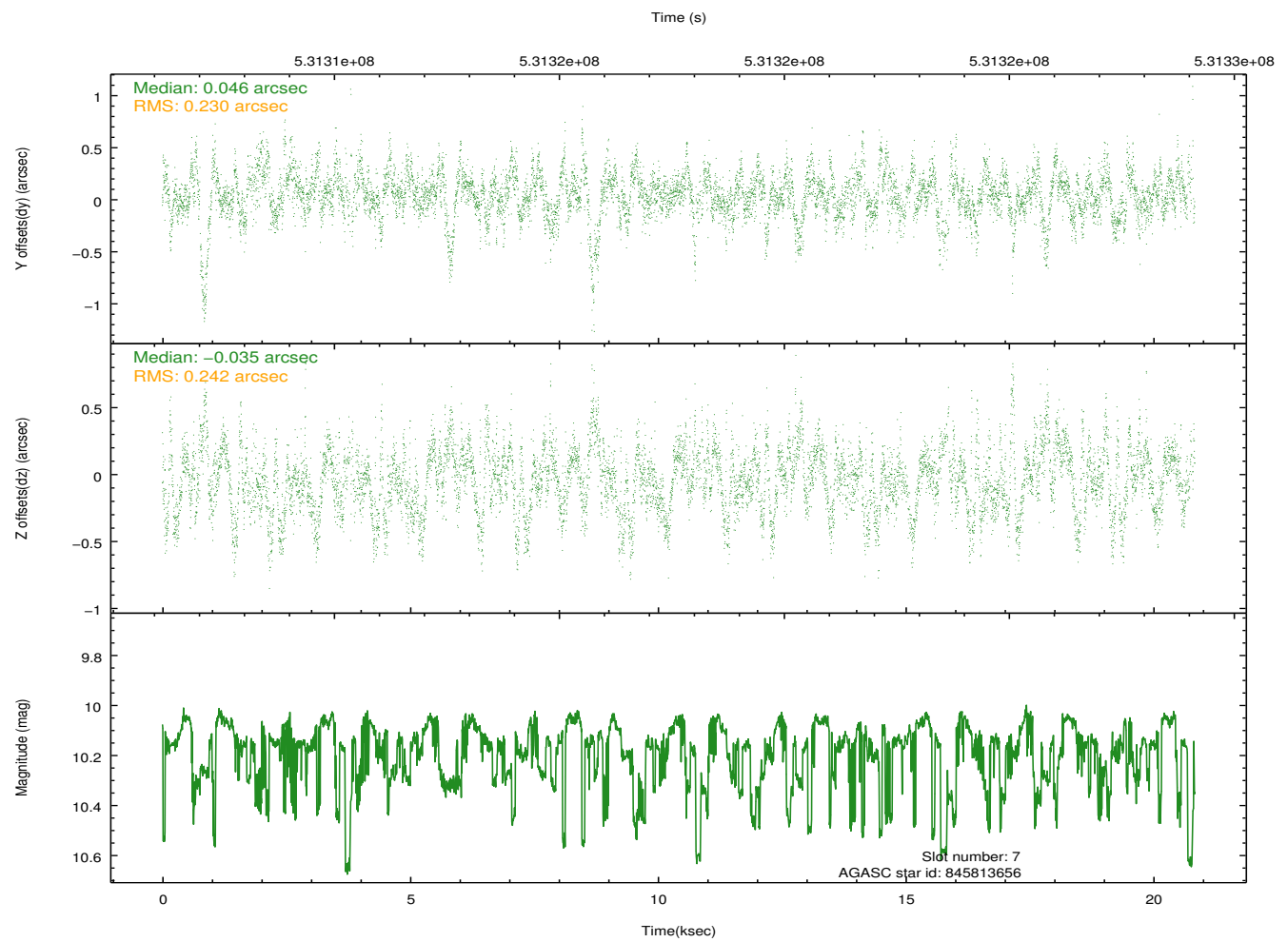
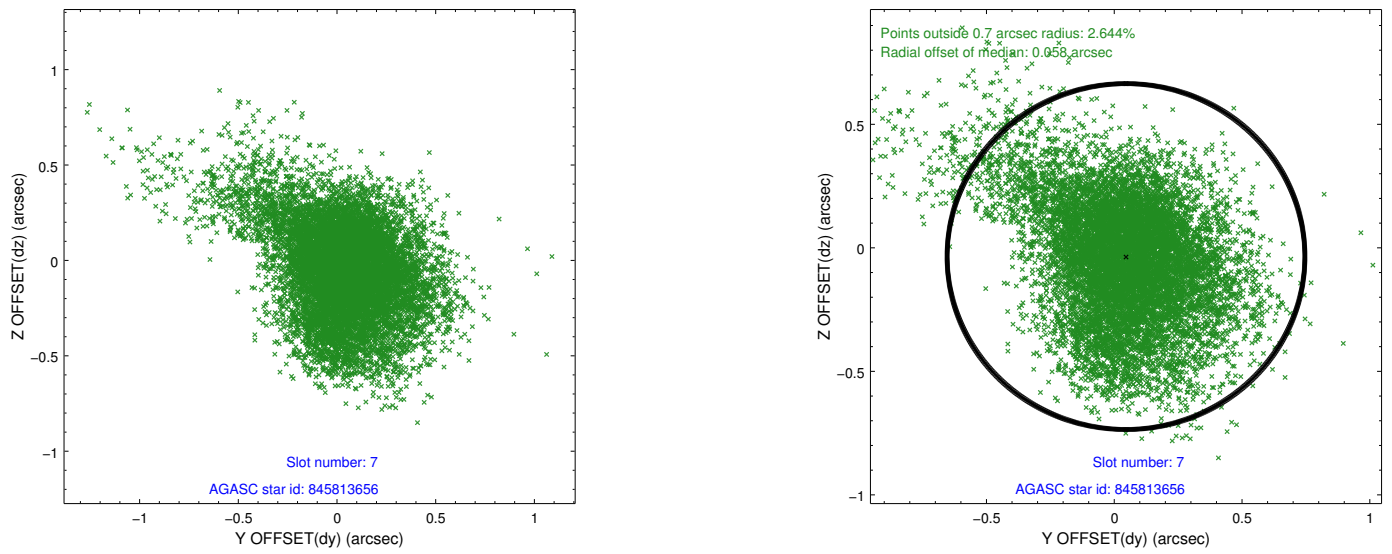
Time (s)



2.4.4 Slot 6

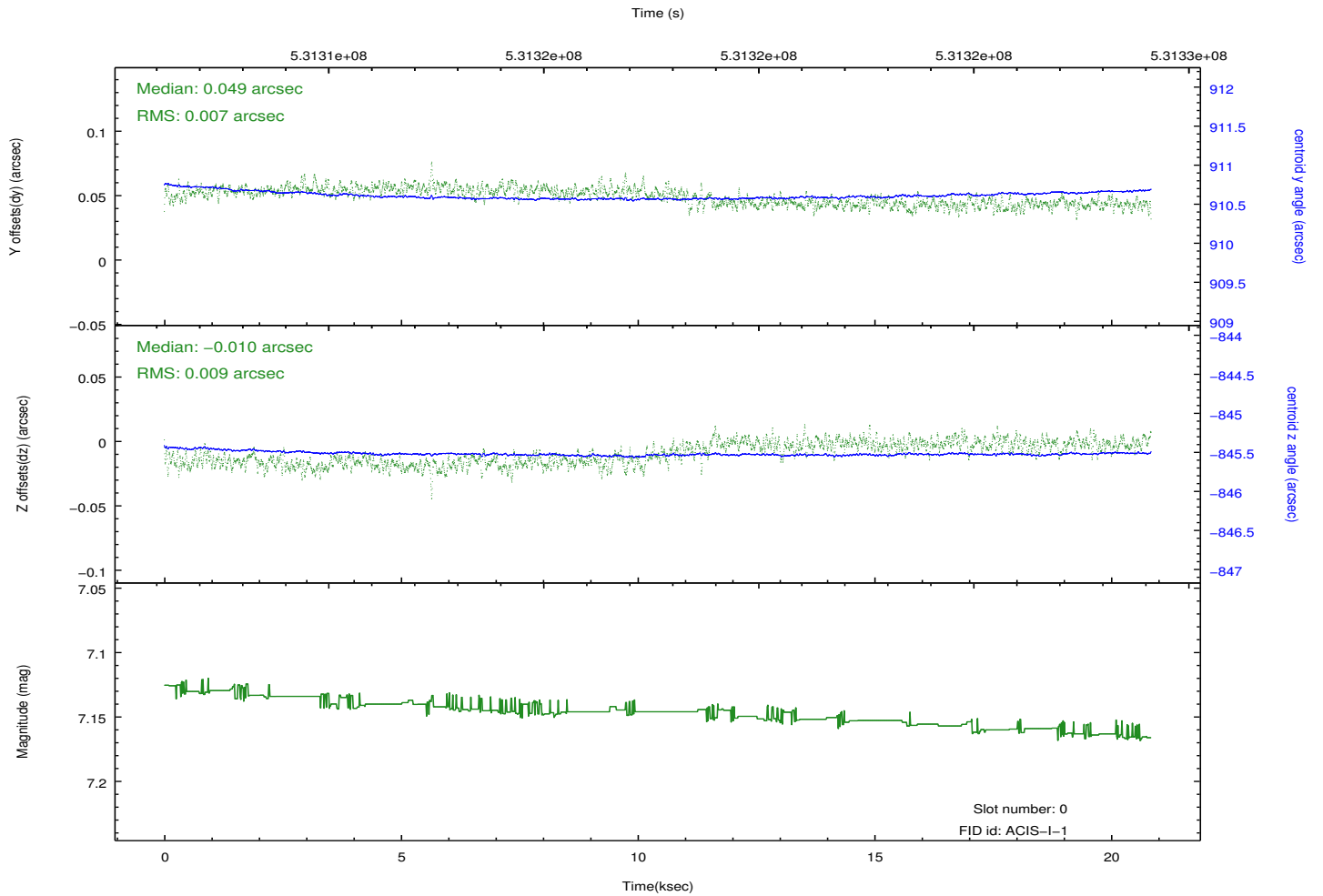
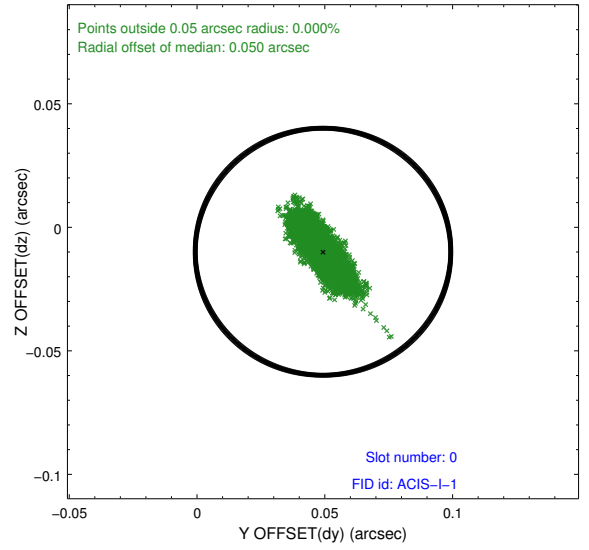
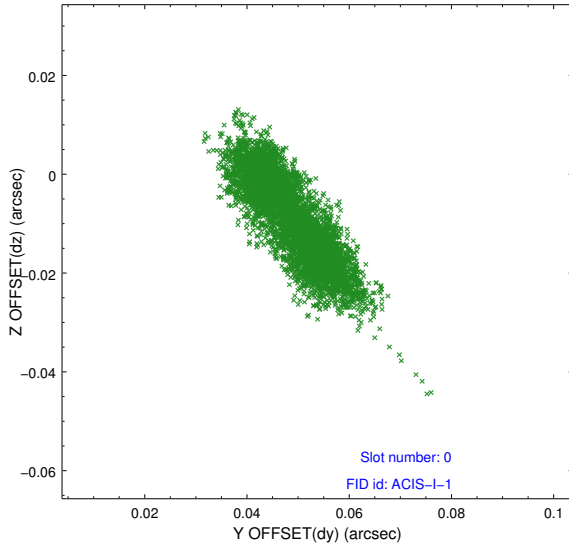


2.4.5 Slot 7

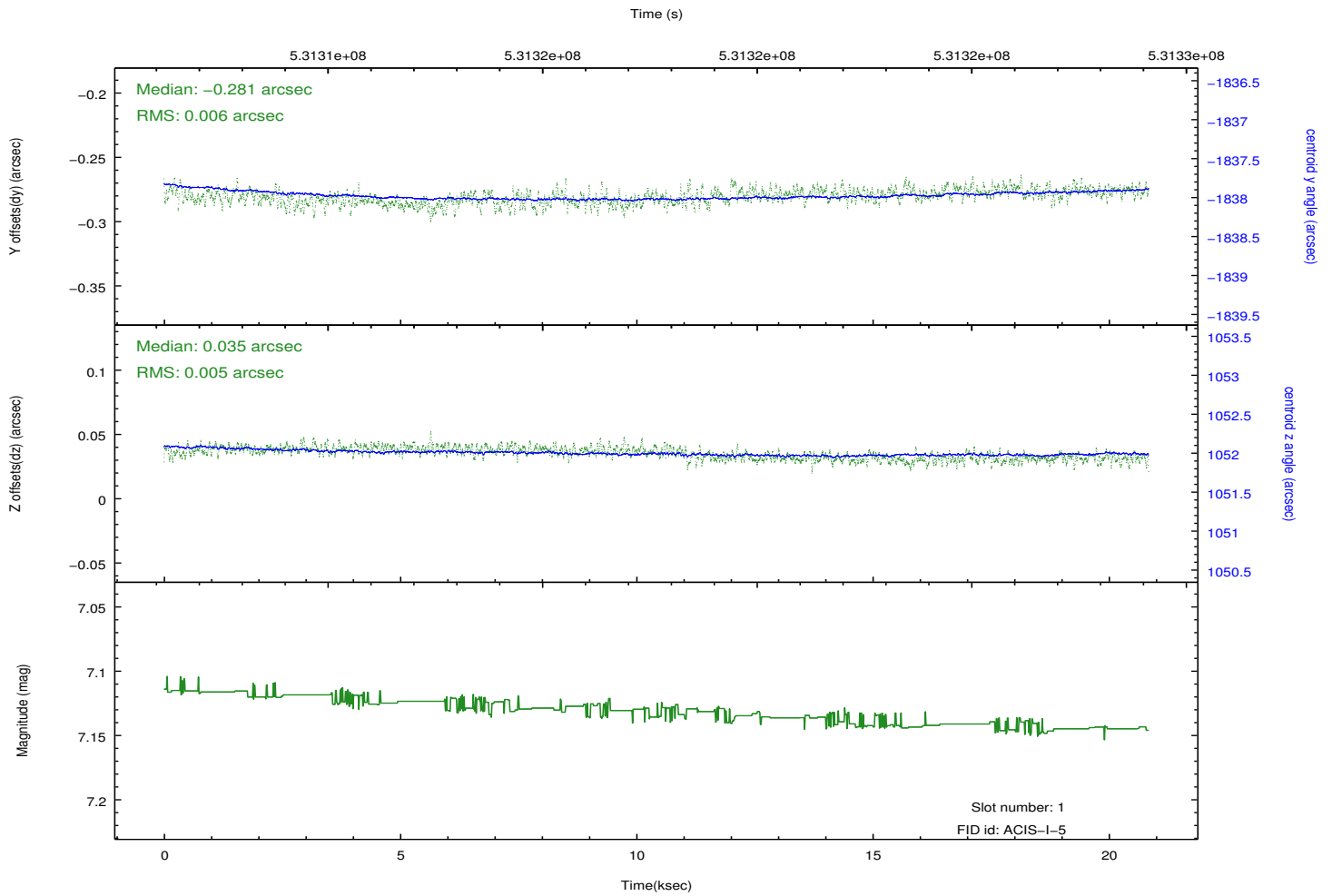
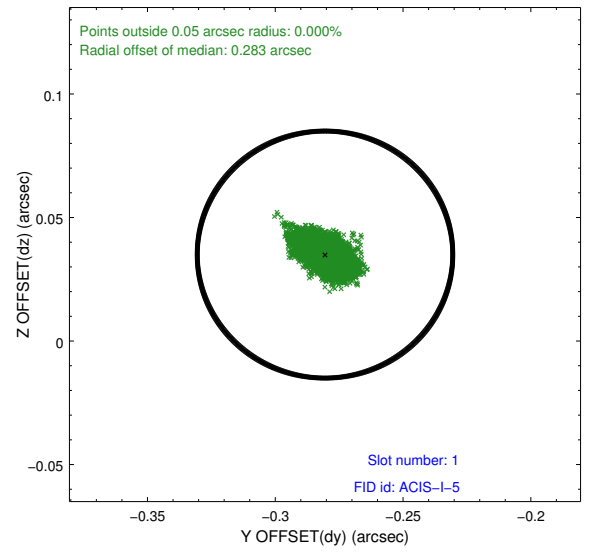
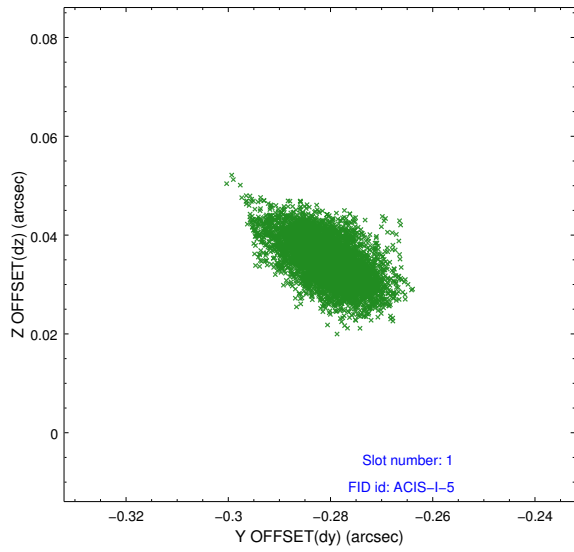


2.5 FID Slots

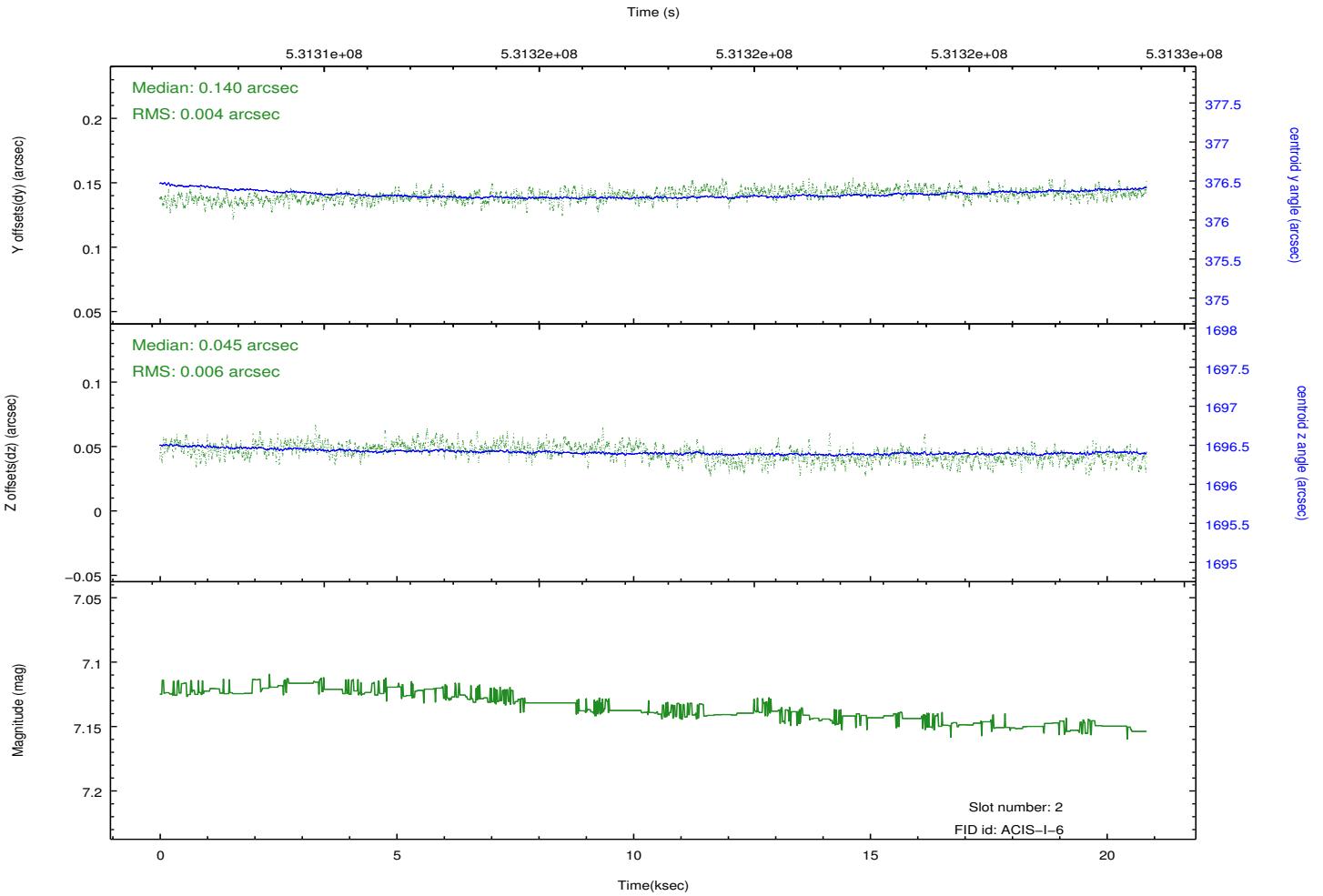
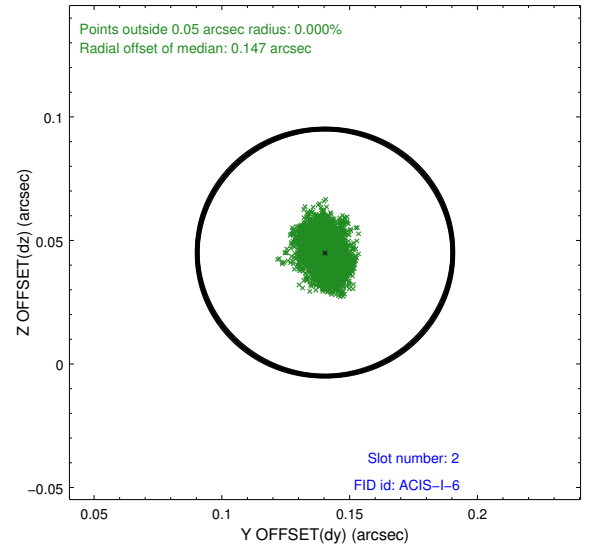
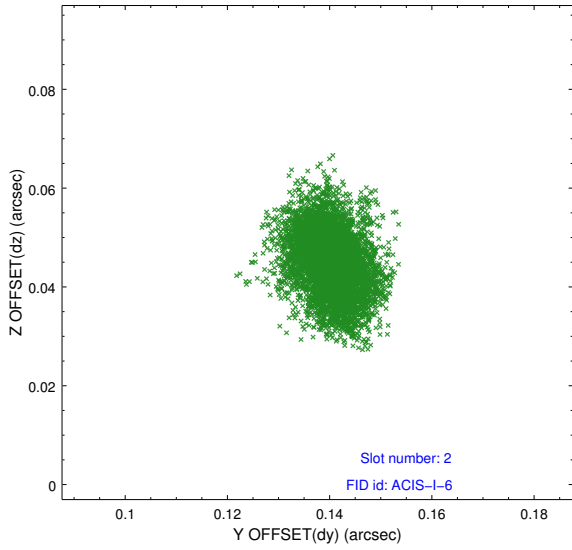
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.11.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.084859094083

A.2 Comments