

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9419 - L2 Version 2
Chandra X-Ray Center

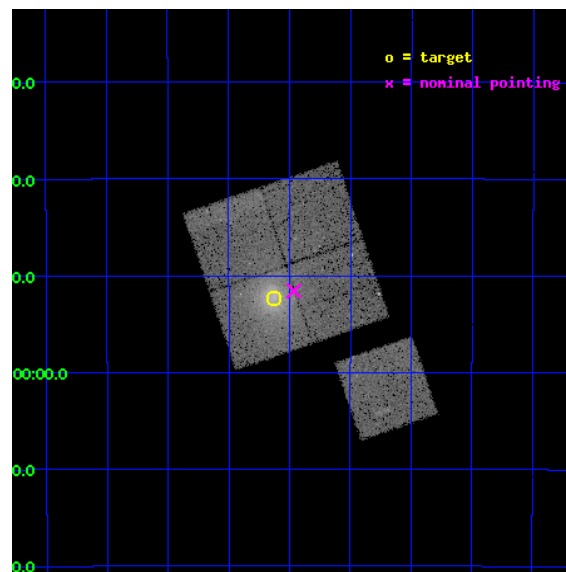
L2 Processing Date : May 17 2012

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1 Front

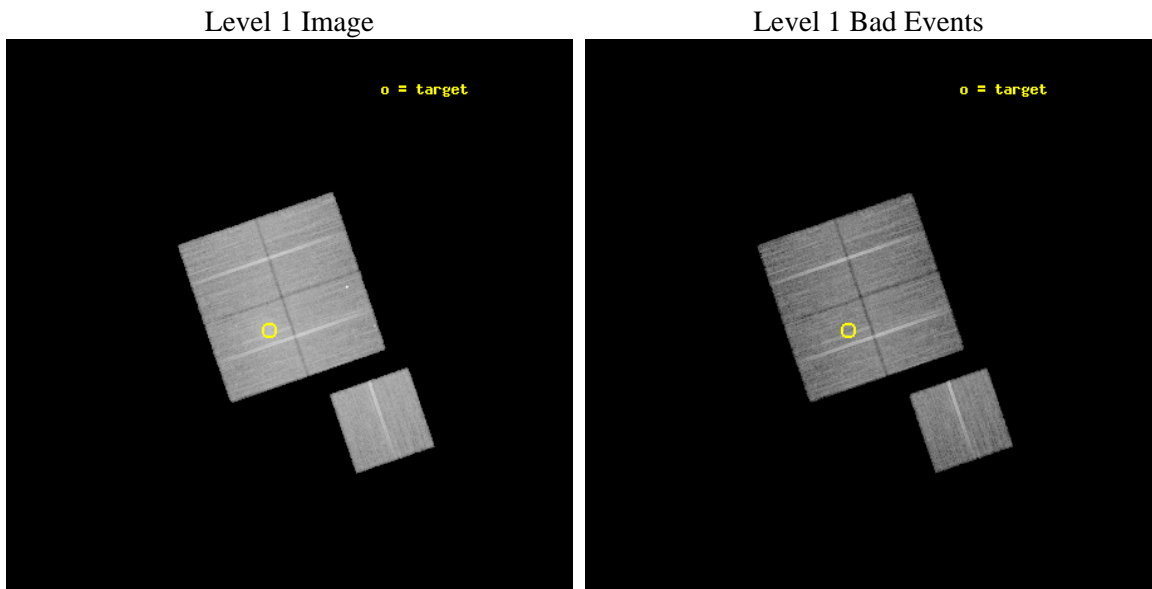
seq_num	800755	Sequence number
obs_id	9419	Observation id
title	LoCuSS: Cluster Mass Comparison with Chandra and HST -- Observational Discrepancy or Agreement in the New Millennium?	Proposal title
observer	Dr Graham Smith	Principal investigator
object	RXCJ0547.6-3152	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	86.907458	Observer's specified target RA [deg]
dec_targ	-31.873583	Observer's specified target Dec [deg]
ra_nom	86.866121883256	Nominal RA [deg]
dec_nom	-31.859634021139	Nominal Dec [deg]
roll_nom	161.18919862763	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20041.459163904	Sum of GTIs [s]
livetime	19779.60274562	Livetime [s]
ontime0	20041.459193826	Sum of GTIs [s]
ontime1	20041.459193826	Sum of GTIs [s]
ontime2	20041.459163904	Sum of GTIs [s]
ontime3	20041.459163904	Sum of GTIs [s]
ontime6	20044.600154161	Sum of GTIs [s]
l2events	90705	Number of level 2 events



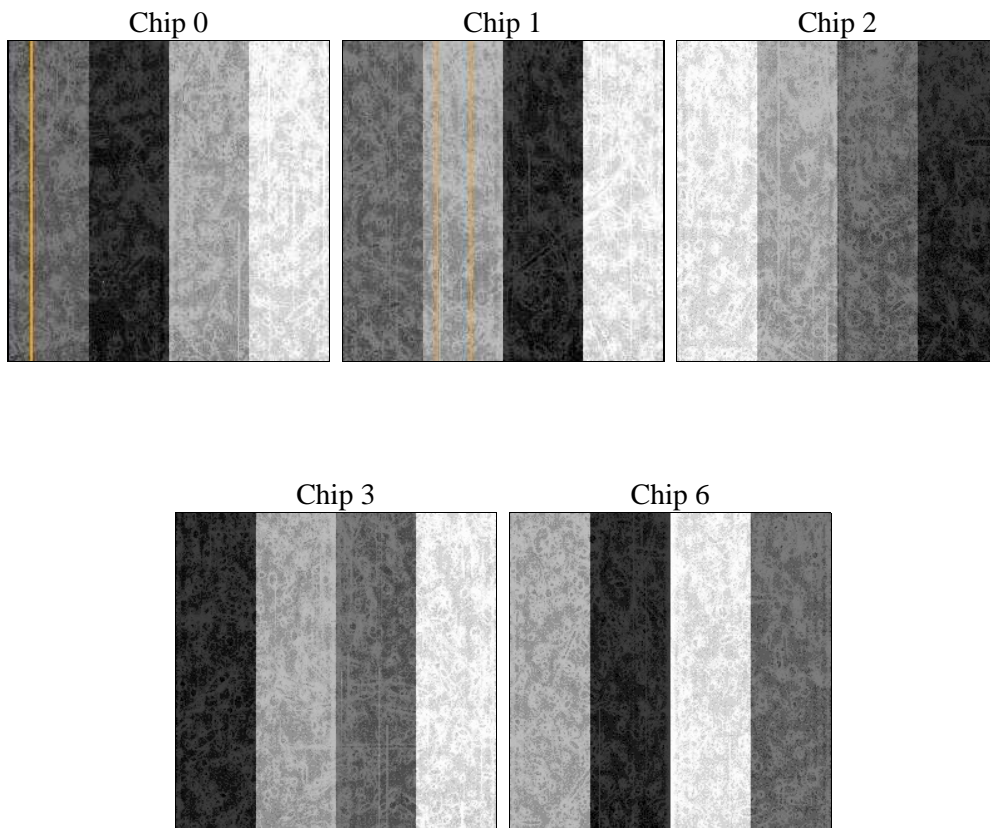
2 OBI

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	8.4.4	Processing system revision	ontime	20041.459163904	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	20041.459193826	Sum of GTIs [s]
date	2012-05-17T16:04:07	Date and time of file creation	ontime1	20041.459193826	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20041.459163904	Sum of GTIs [s]
			ontime3	20041.459163904	Sum of GTIs [s]
			ontime6	20044.600154161	Sum of GTIs [s]
			l1events	814224	Number of level 1 events

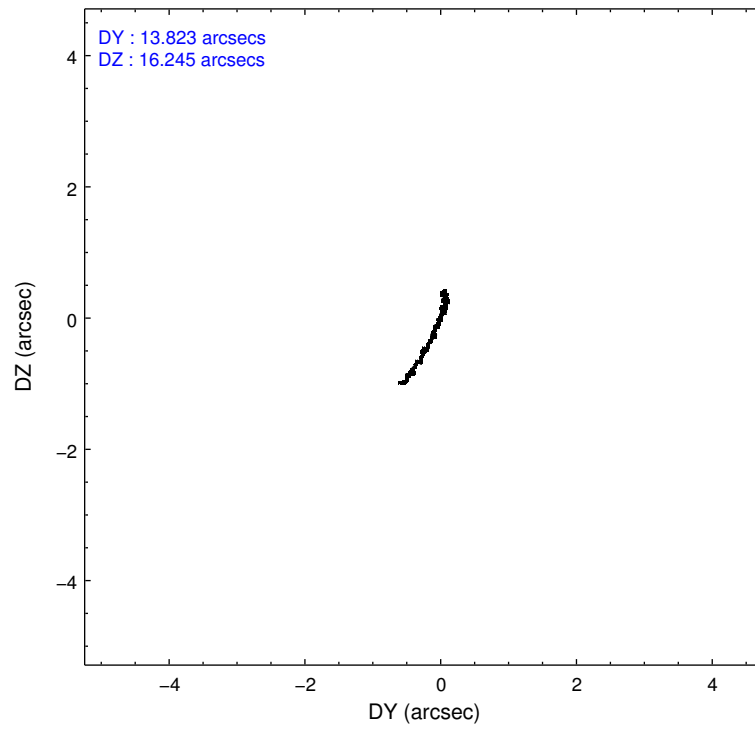
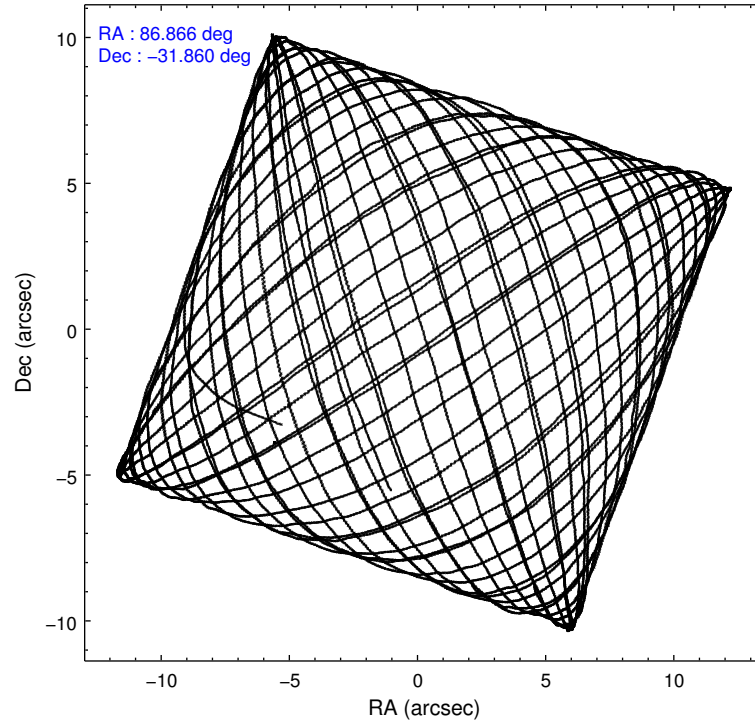
2.1.4 Events

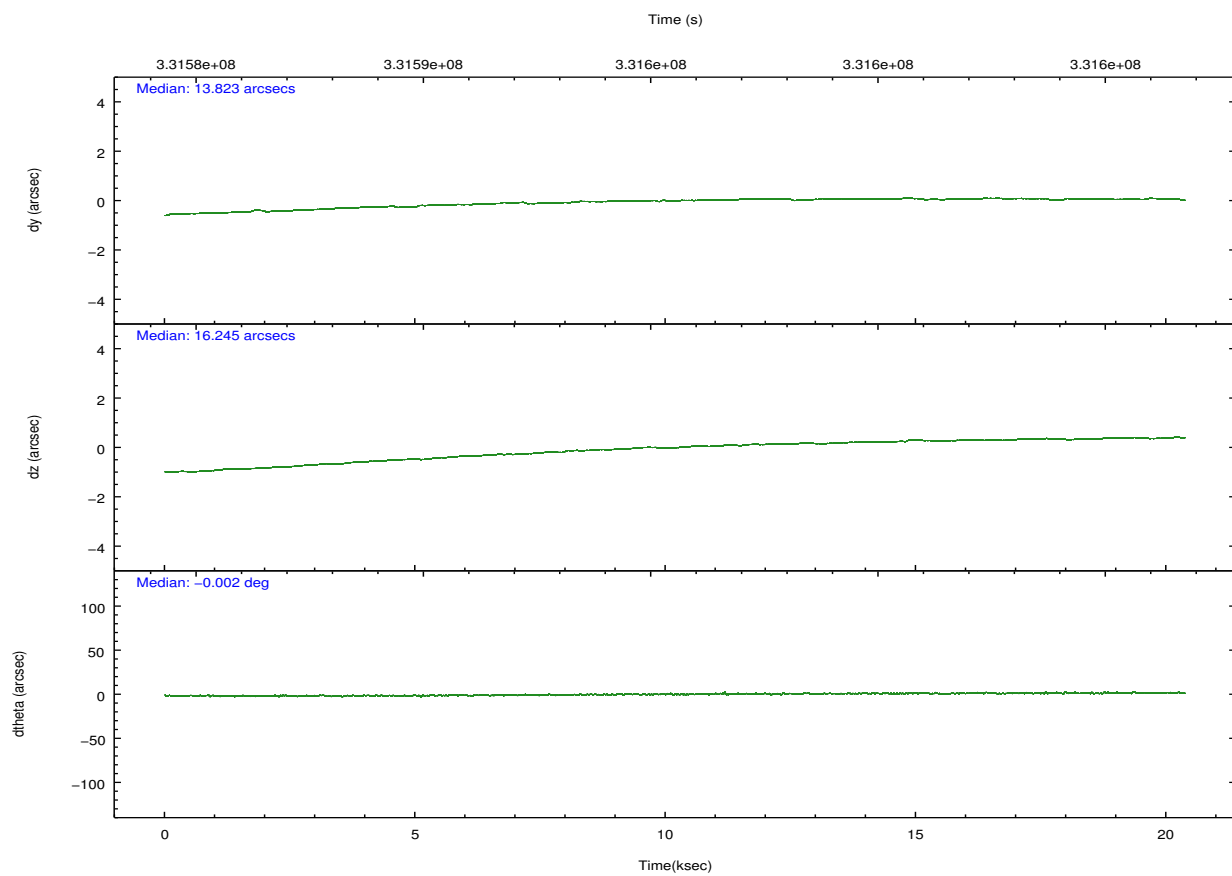
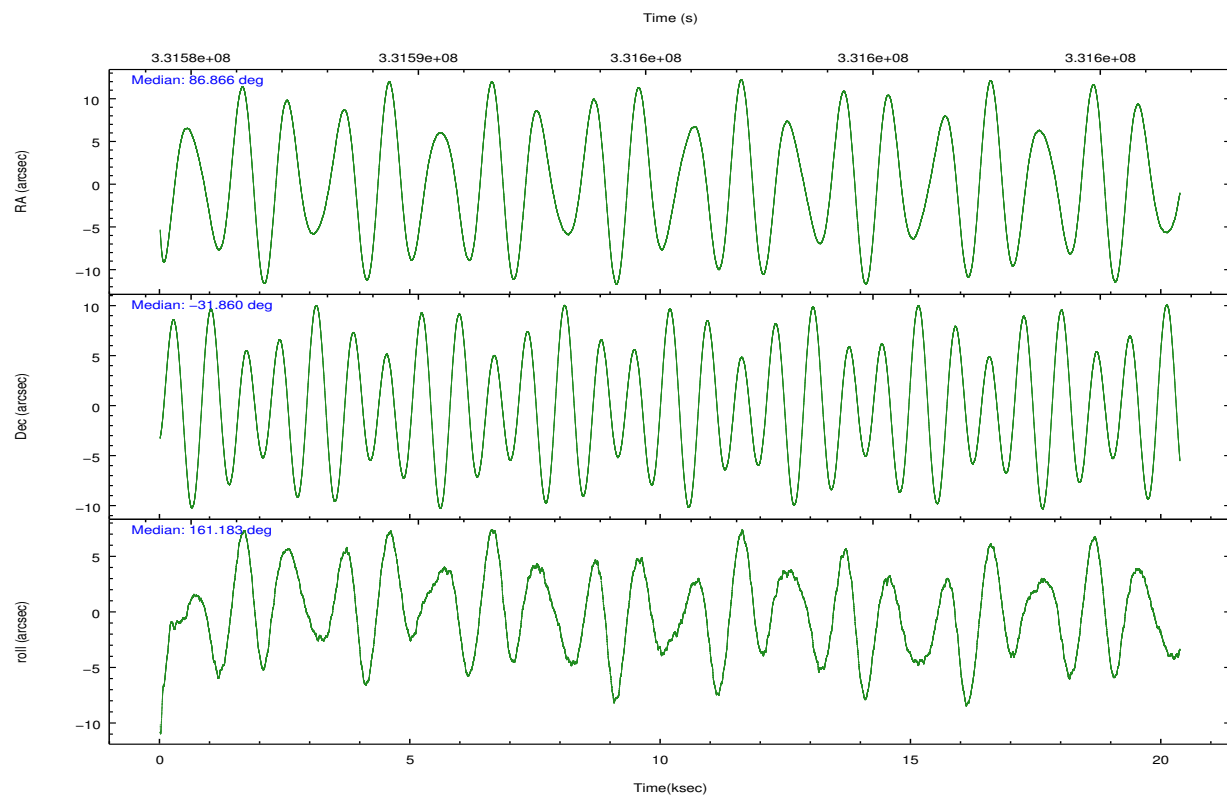
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	152150	151118	169519	181462	159975	grade 0 events	6068	7289	8277	20603	5906
rejected events	135436	131789	150232	147533	143201		3%	4%	4%	11%	3%
rejected %	89%	87%	88%	81%	89%	grade 1 events	100	103	100	162	73
							0%	0%	0%	0%	0%
						grade 2 events	3972	4307	4316	5215	3678
							2%	2%	2%	2%	2%
						grade 3 events	1810	2017	1778	2266	1802
							1%	1%	1%	1%	1%
						grade 4 events	1688	1933	1827	2244	1768
							1%	1%	1%	1%	1%
						grade 5 events	5716	6203	5338	6785	6360
							3%	4%	3%	3%	3%
						grade 6 events	3179	3788	3094	3606	3621
							2%	2%	1%	1%	2%
						grade 7 events	129617	125478	144789	140581	136767
							85%	83%	85%	77%	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	86.897882	86.86612188325581	Subarray requested	NONE	NONE
[deg] Pointing Dec	-31.854213	-31.85963402113926	Alternating exposures requested	N	N
[deg] Pointing Roll	160.997275	161.1891986276252	[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	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	331585727.184000	331584704.23409			
Observation start date	2008-07-04T19:07:42	2008-07-04T18:51:44			
[s] Observation end time (MET)	331605727.184000	331607253.7227			
Observation end date	2008-07-05T00:41:02	2008-07-05T01:07:33			
Read mode	TIMED	TIMED			

2.3 Aspect



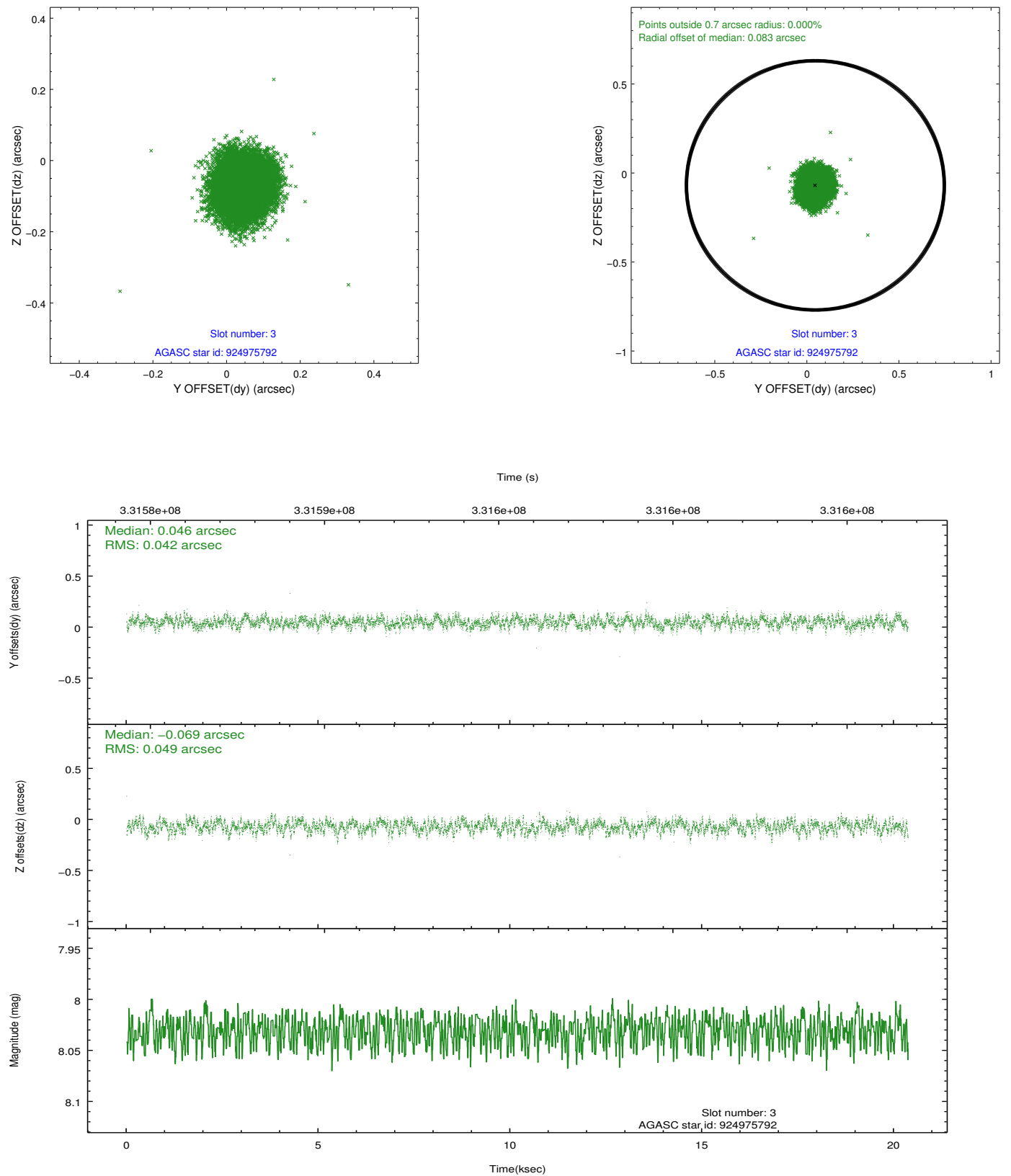


Slot Statistics

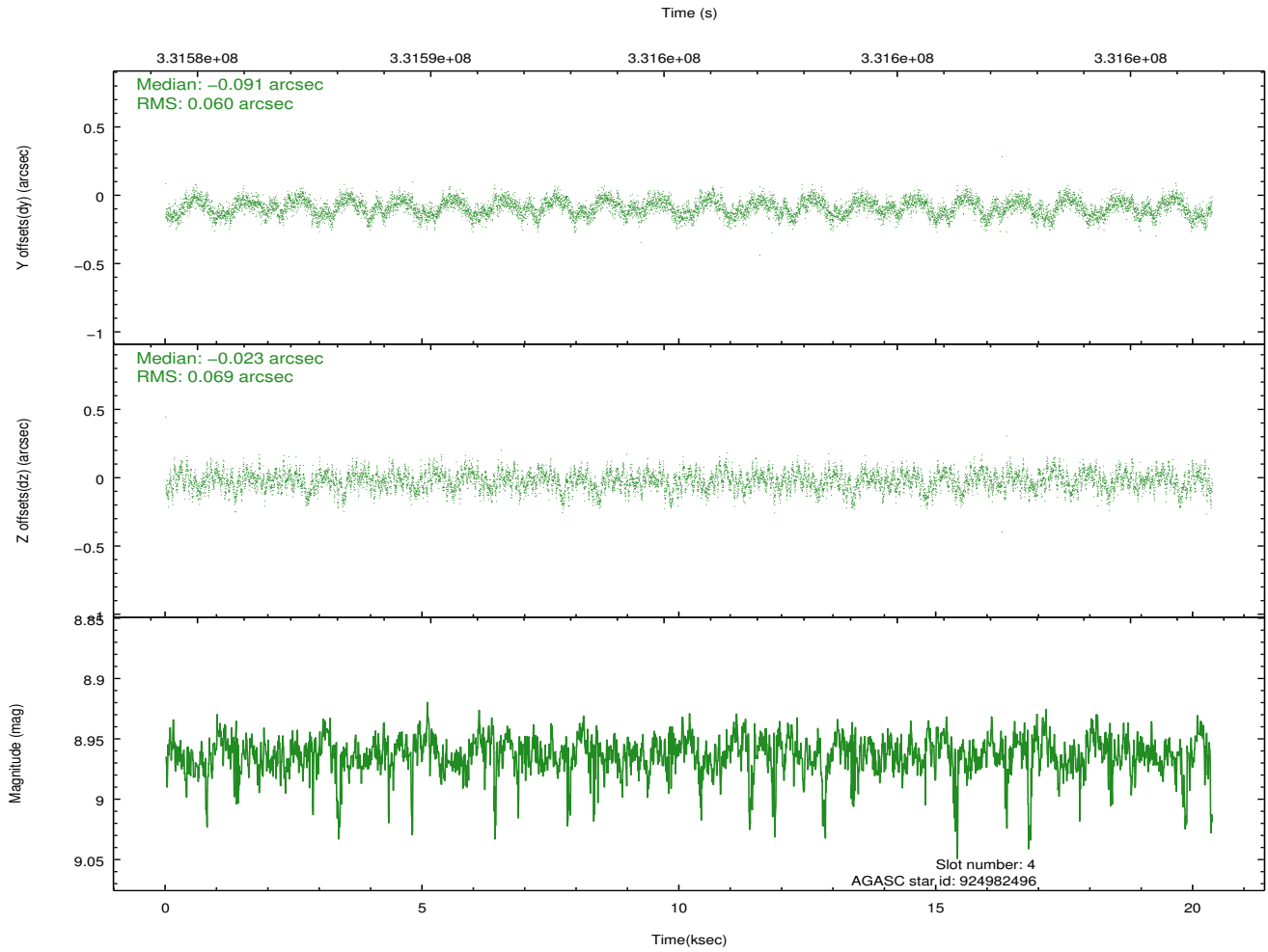
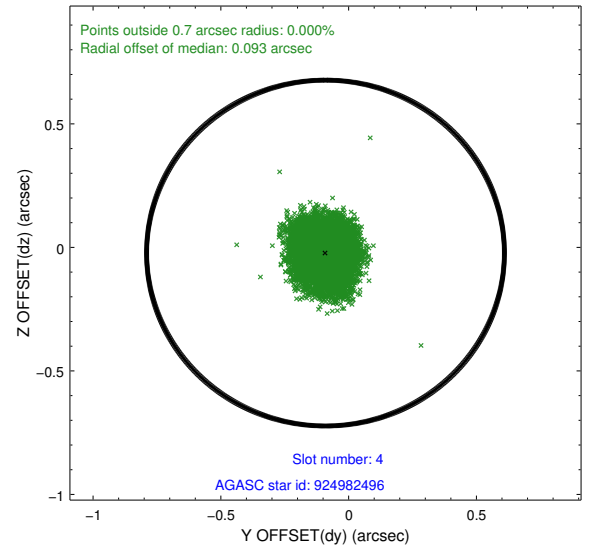
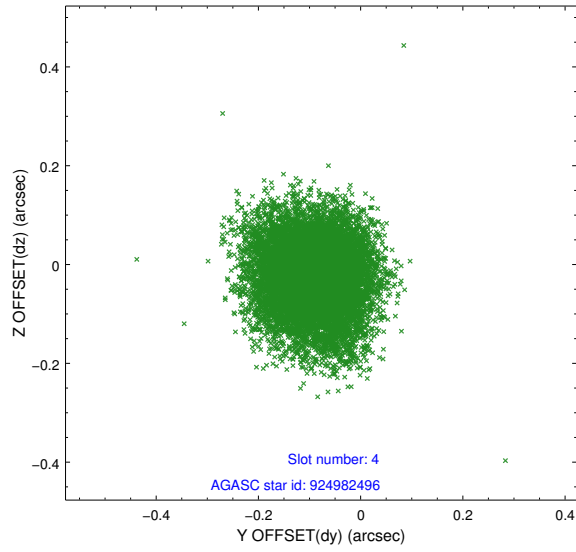
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	4967	0.073	-0.027	0.016	0.032	0.000000	0.000000	925.73	-962.90
1	FID	ACIS-I-5	6.98	4968	-0.255	0.066	0.013	0.027	0.000000	0.000000	-1822.62	934.54
2	FID	ACIS-I-6	7.00	4968	0.090	0.030	0.008	0.014	0.000000	0.000000	391.07	1579.23
3	GUIDE	924975792	8.03	9929	0.046	-0.069	0.070	0.107	87.267000	-31.692430	-880.16	-916.54
4	GUIDE	924982496	8.96	9927	-0.091	-0.023	0.098	0.155	86.903851	-31.299950	632.68	-1892.08
5	GUIDE	924985544	8.49	9933	0.114	0.069	0.088	0.136	86.420606	-31.515358	1781.48	-672.93
6	GUIDE	925502632	8.55	9931	-0.055	-0.095	0.063	0.101	87.276261	-32.031721	-1300.27	230.10
7	GUIDE	925506712	9.33	9930	-0.015	0.125	0.100	0.166	87.402552	-32.488441	-2193.88	1663.55

2.4 Star Slots

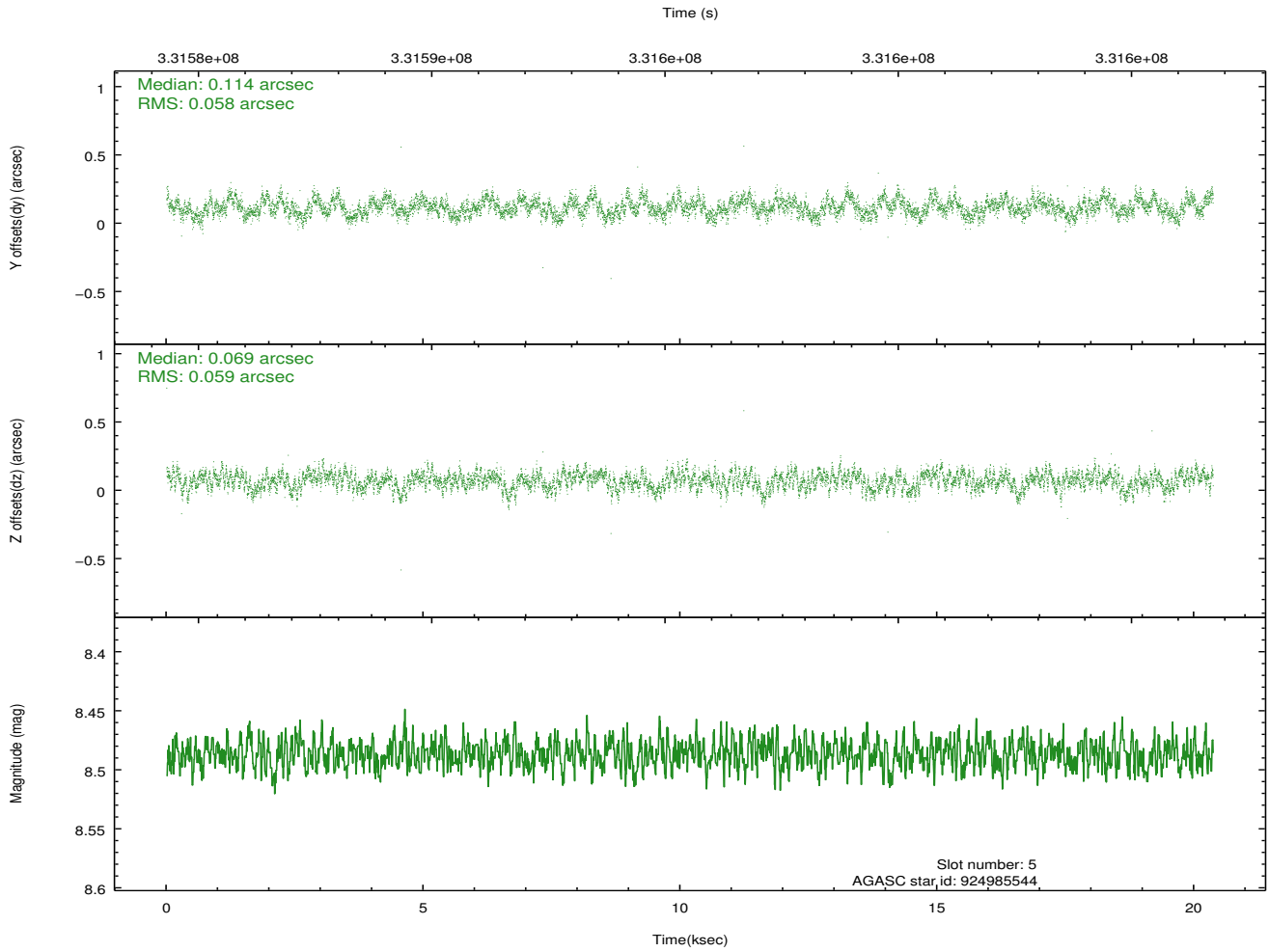
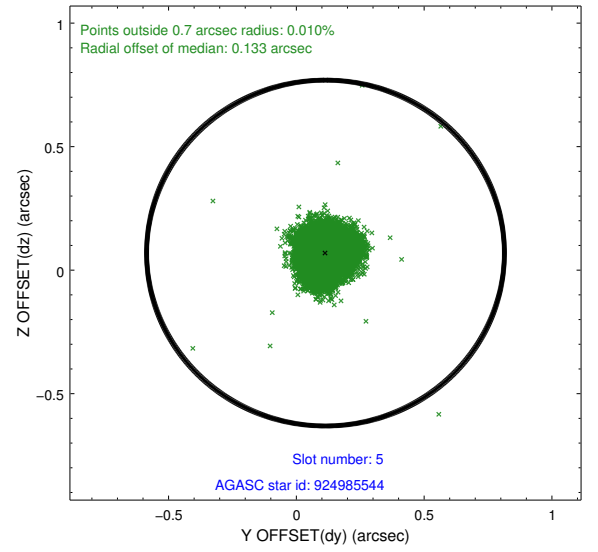
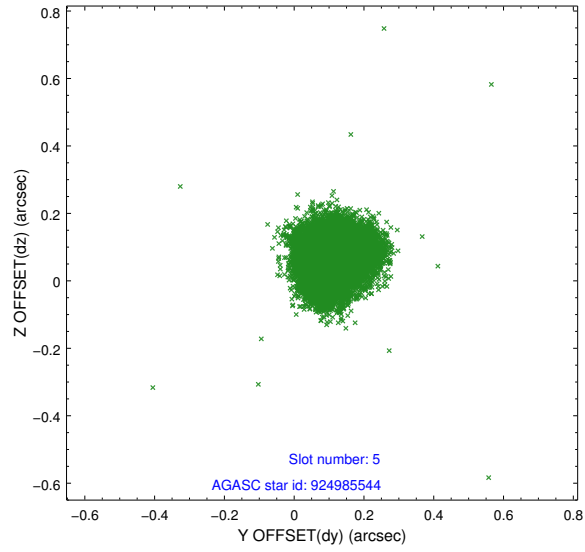
2.4.1 Slot 3



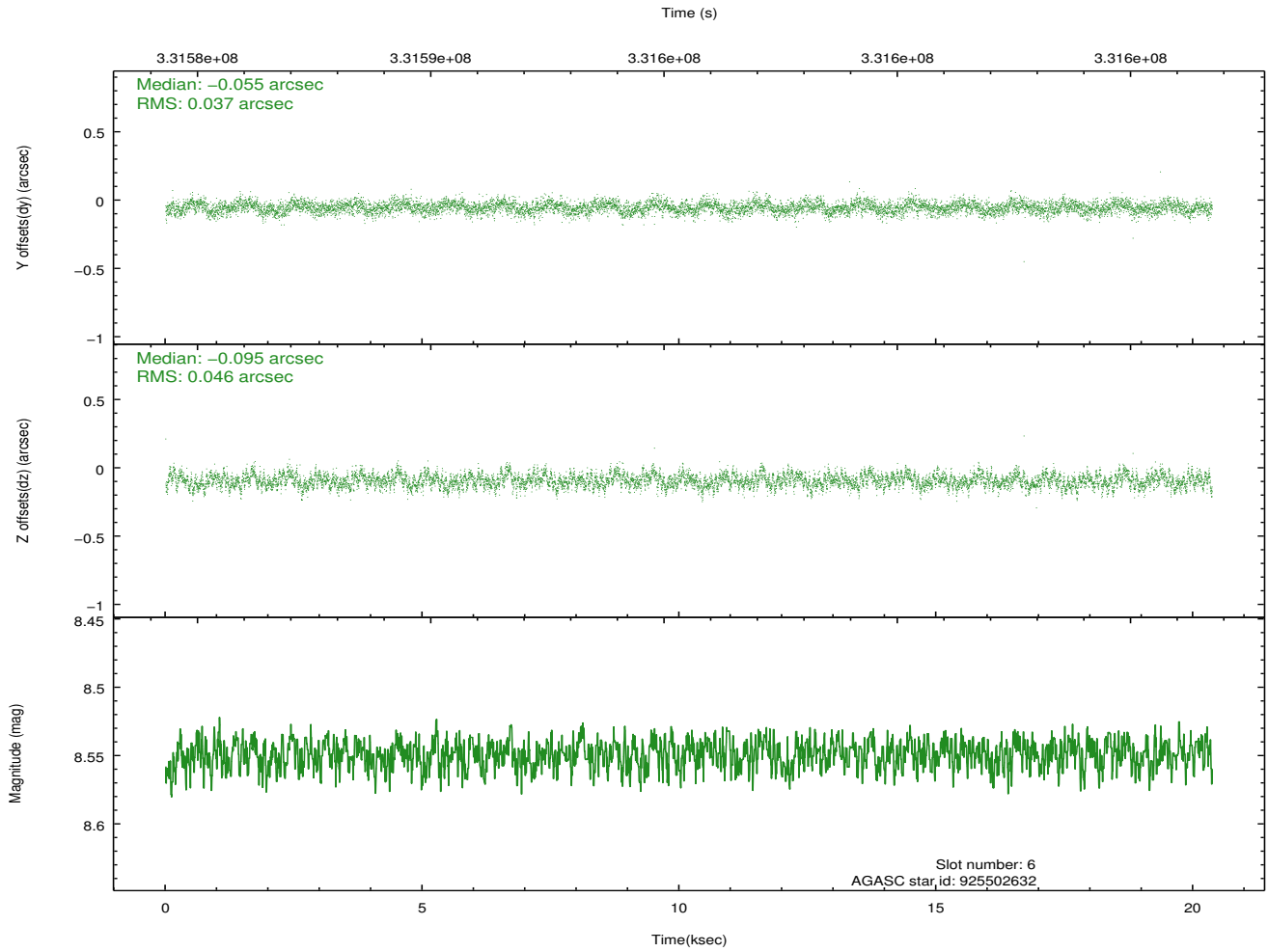
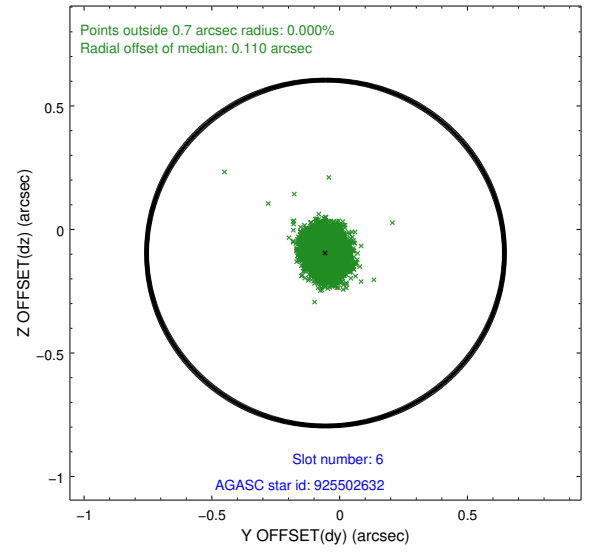
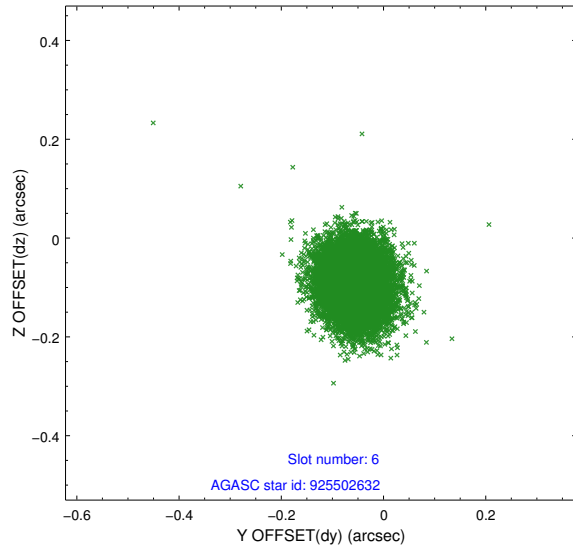
2.4.2 Slot 4



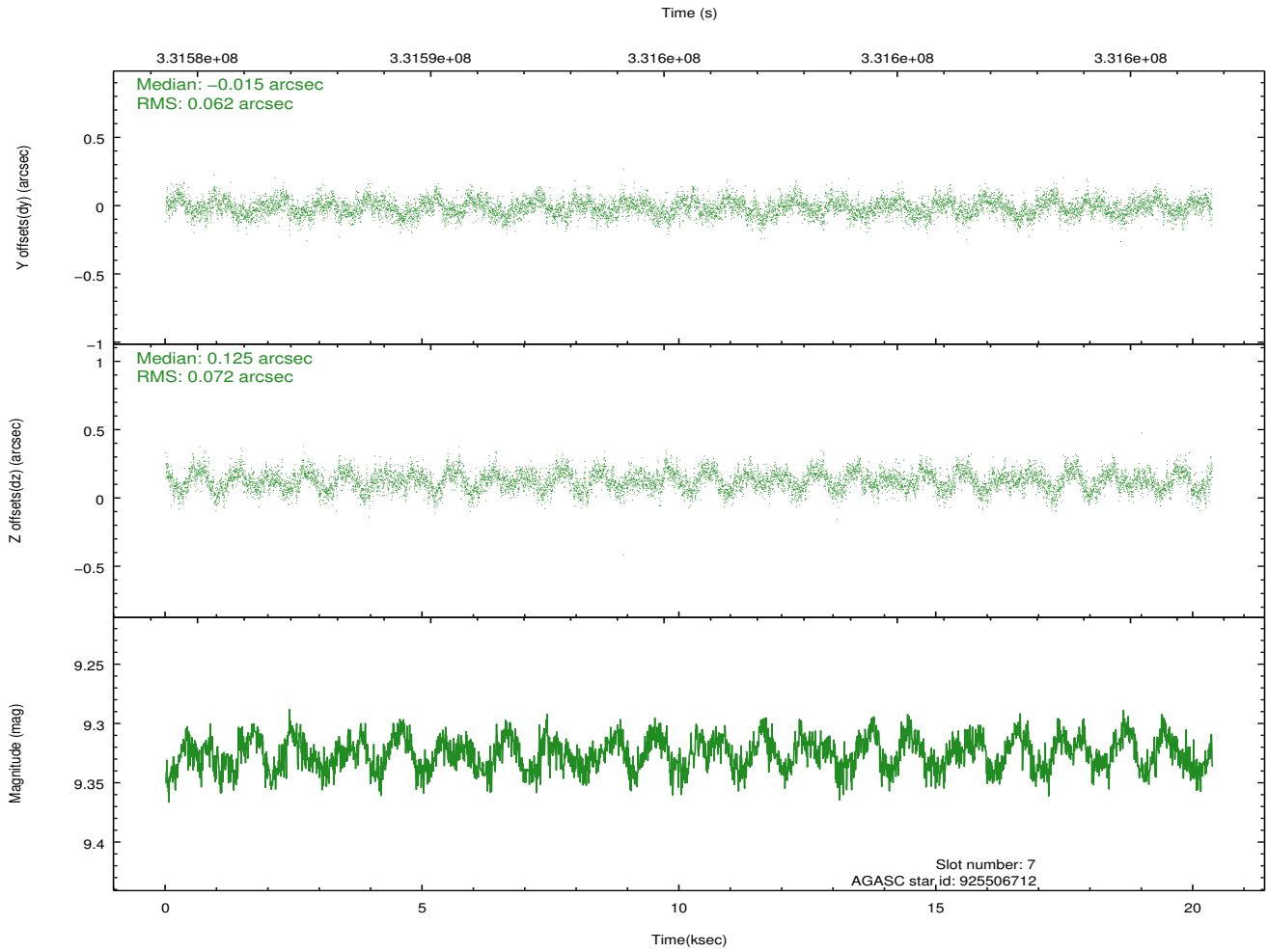
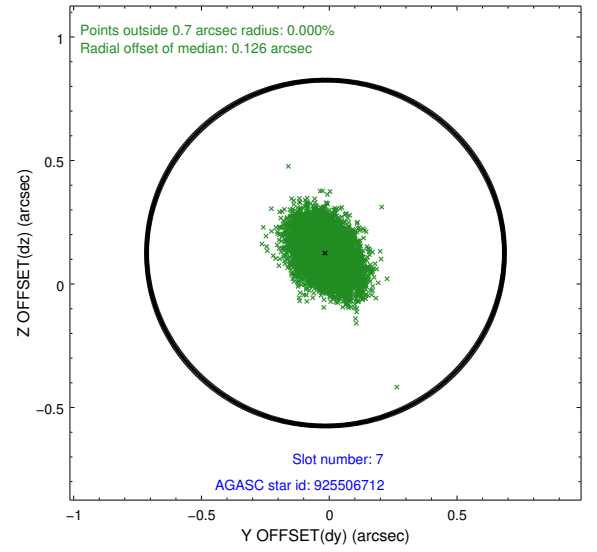
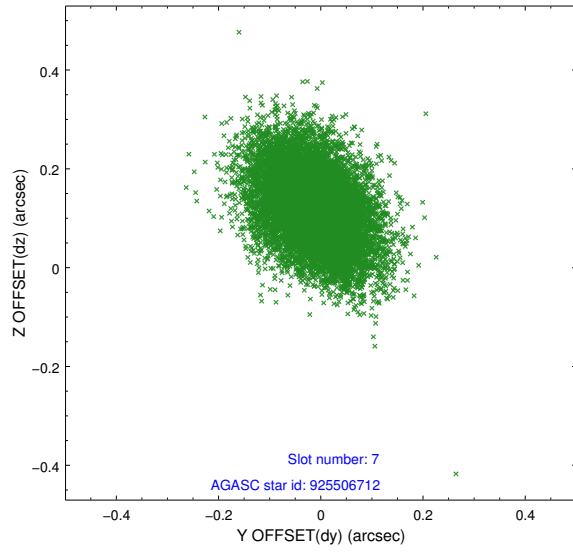
2.4.3 Slot 5



2.4.4 Slot 6

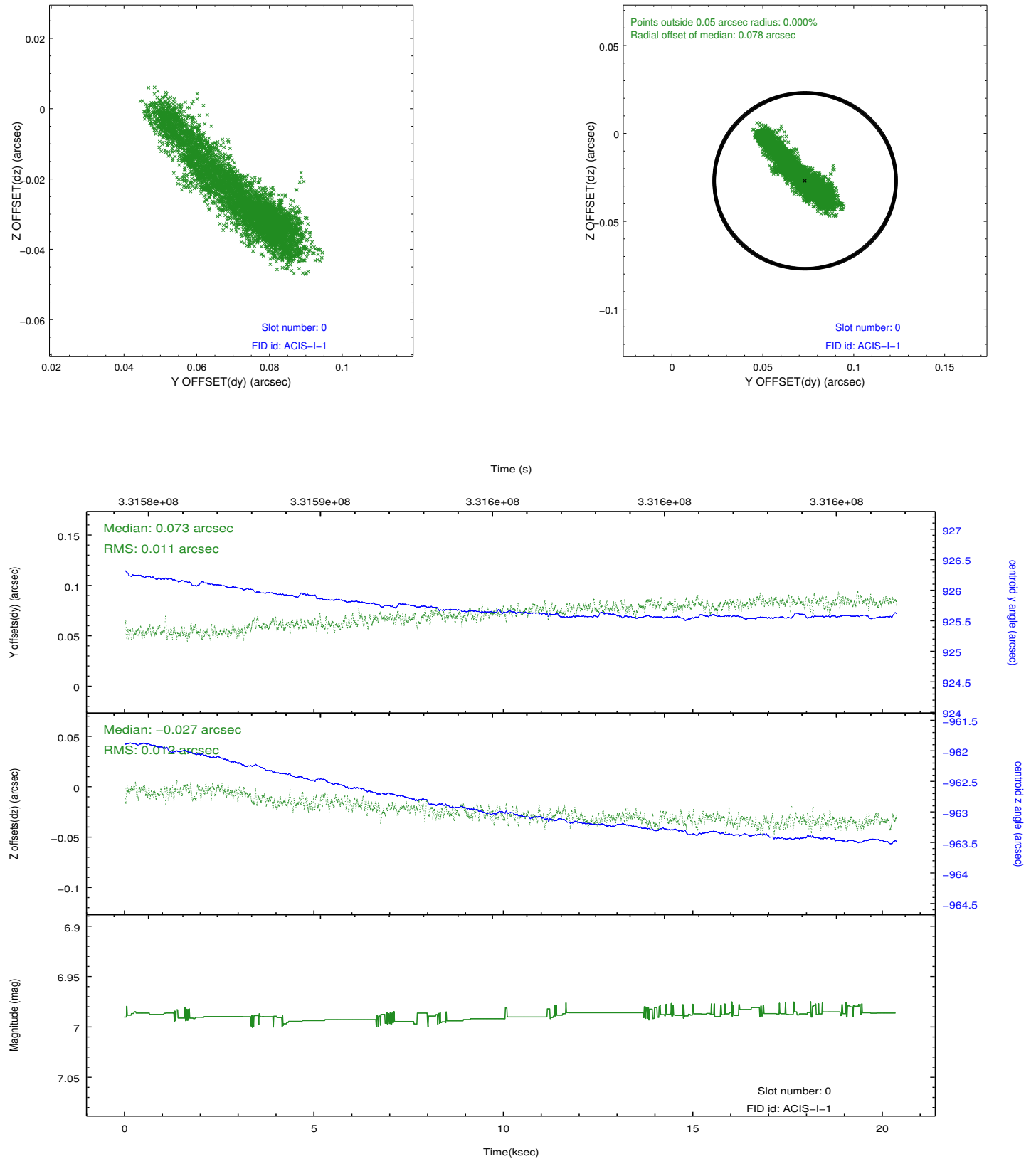


2.4.5 Slot 7

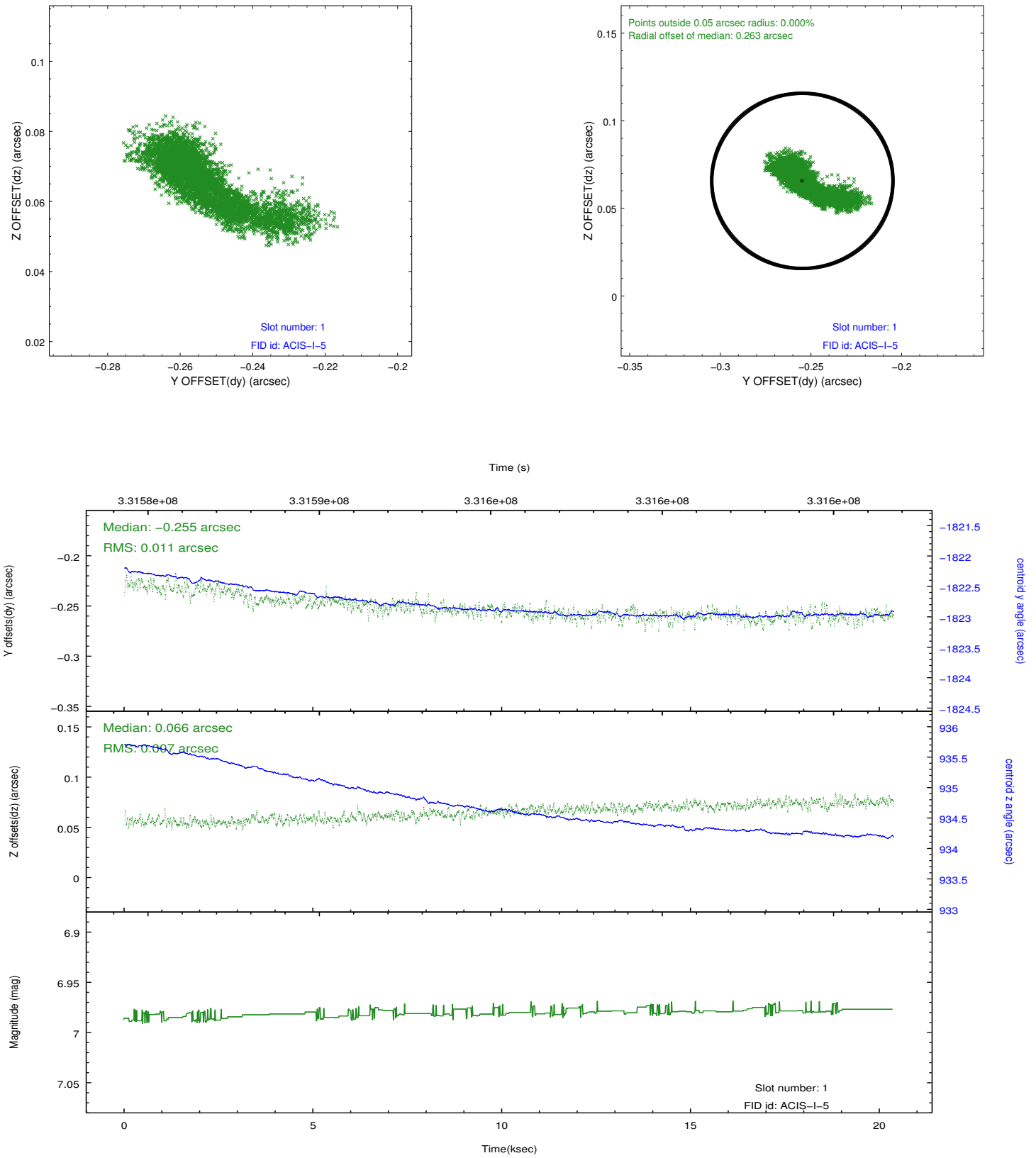


2.5 FID Slots

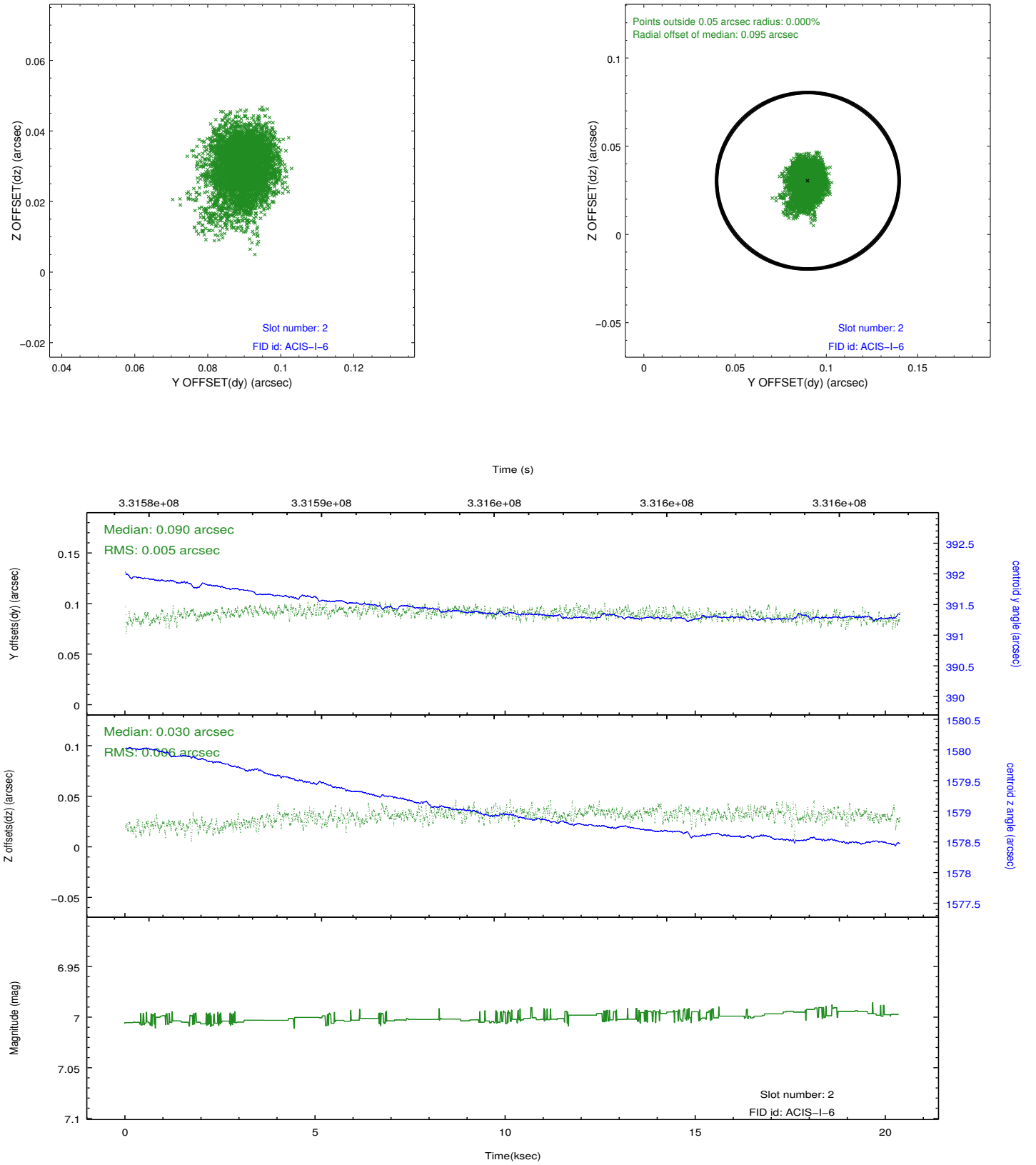
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.0414591

A.2 Comments