

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12467 - L2 Version 2
Chandra X-Ray Center

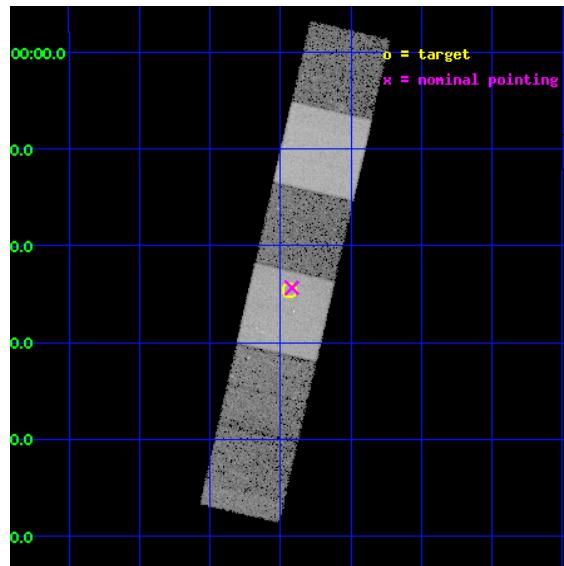
L2 Processing Date : Feb 19 2012

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1 Front

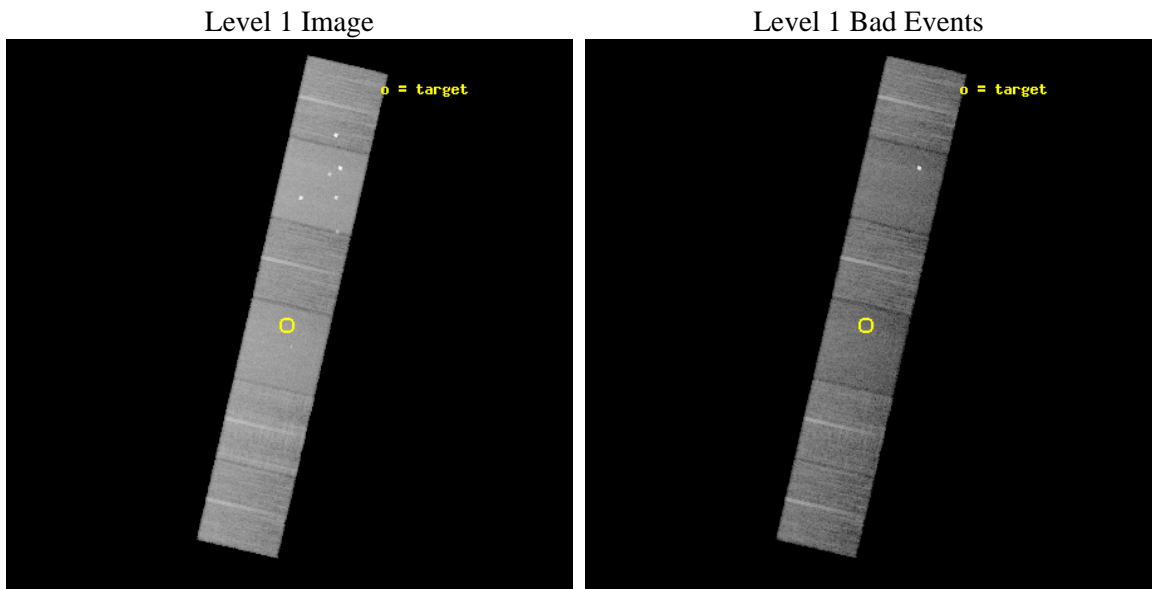
seq_num	401208	Sequence number
obs_id	12467	Observation id
title	First X-ray Observations of Four New Fermi-Associated Black-Widow Pulsars	Proposal title
observer	Prof. Maura McLaughlin	Principal investigator
object	J2256-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	344.233333	Observer's specified target RA [deg]
dec_targ	-10.409444	Observer's specified target Dec [deg]
ra_nom	344.22987963509	Nominal RA [deg]
dec_nom	-10.406007310383	Nominal Dec [deg]
roll_nom	102.99245926997	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20053.595616758	Sum of GTIs [s]
livetime	19799.664914233	Livetime [s]
ontime4	20053.636656761	Sum of GTIs [s]
ontime5	20053.554576755	Sum of GTIs [s]
ontime6	20053.513536751	Sum of GTIs [s]
ontime7	20053.595616758	Sum of GTIs [s]
ontime8	20053.472496748	Sum of GTIs [s]
ontime9	20053.431456745	Sum of GTIs [s]
l2events	212630	Number of level 2 events



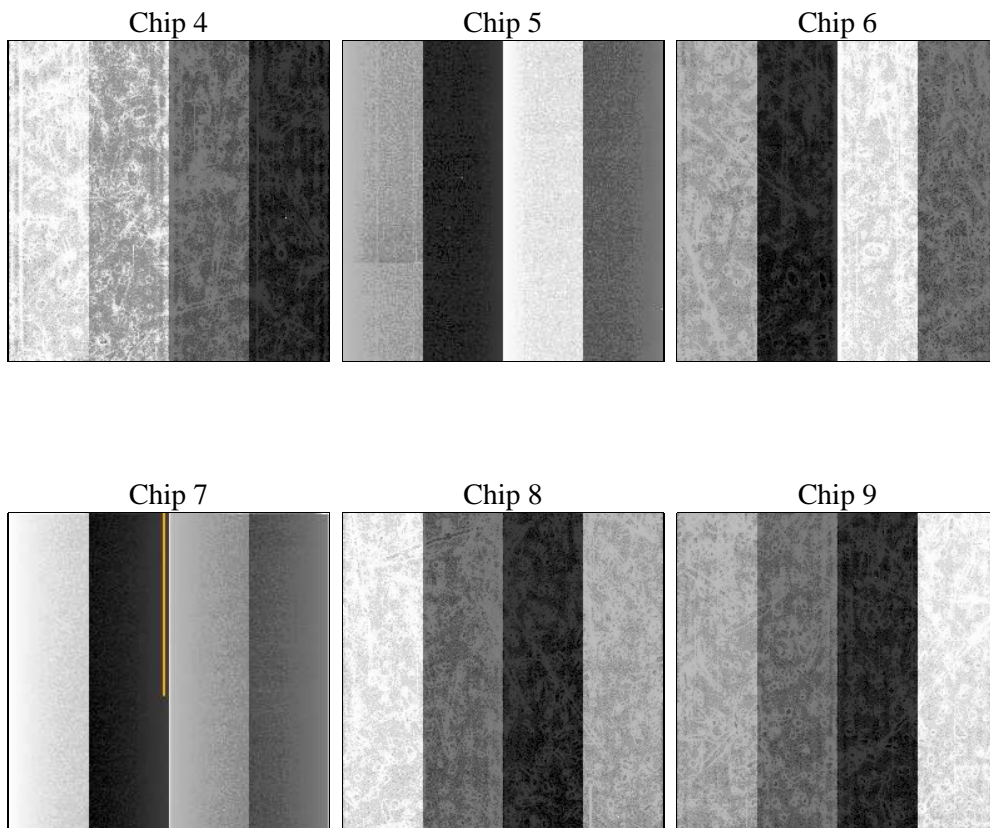
2 OBI

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	8.4.3	Processing system revision	ontime	20053.595616758	Sum of GTIs [s]
caldsver	4.4.8	 	ontime4	20053.636656761	Sum of GTIs [s]
date	2012-02-19T23:51:38	Date and time of file creation	ontime5	20053.554576755	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	20053.513536751	Sum of GTIs [s]
			ontime7	20053.595616758	Sum of GTIs [s]
			ontime8	20053.472496748	Sum of GTIs [s]
			ontime9	20053.431456745	Sum of GTIs [s]
			l1events	924707	Number of level 1 events

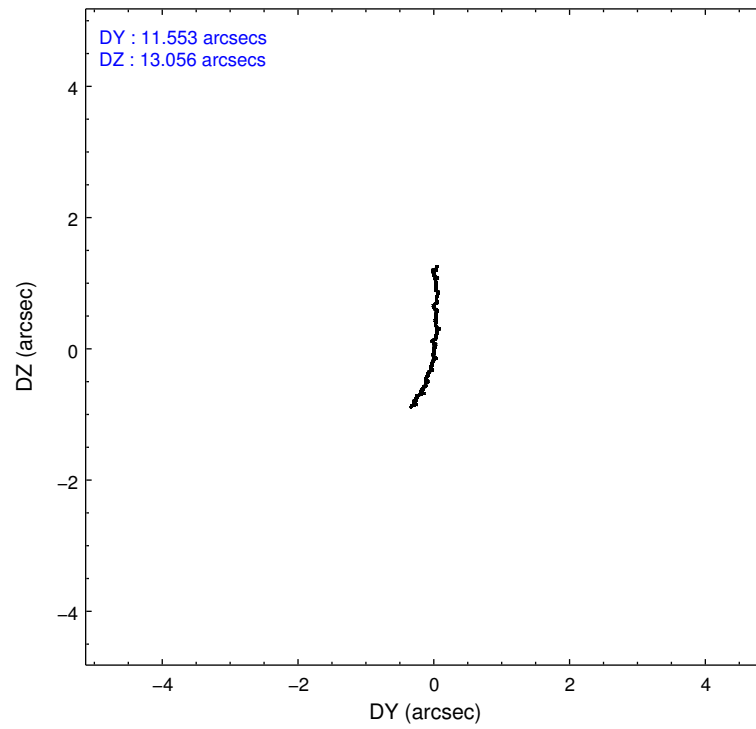
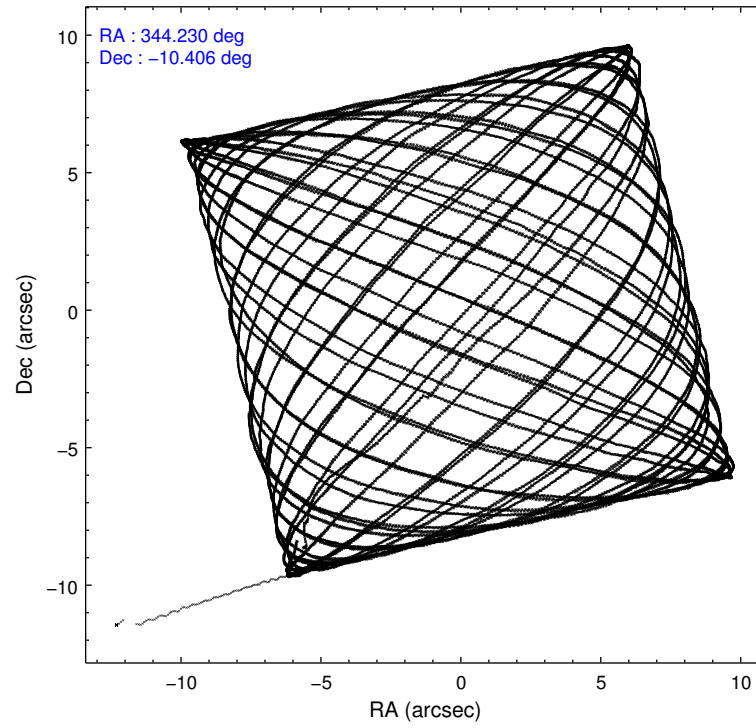
2.1.4 Events

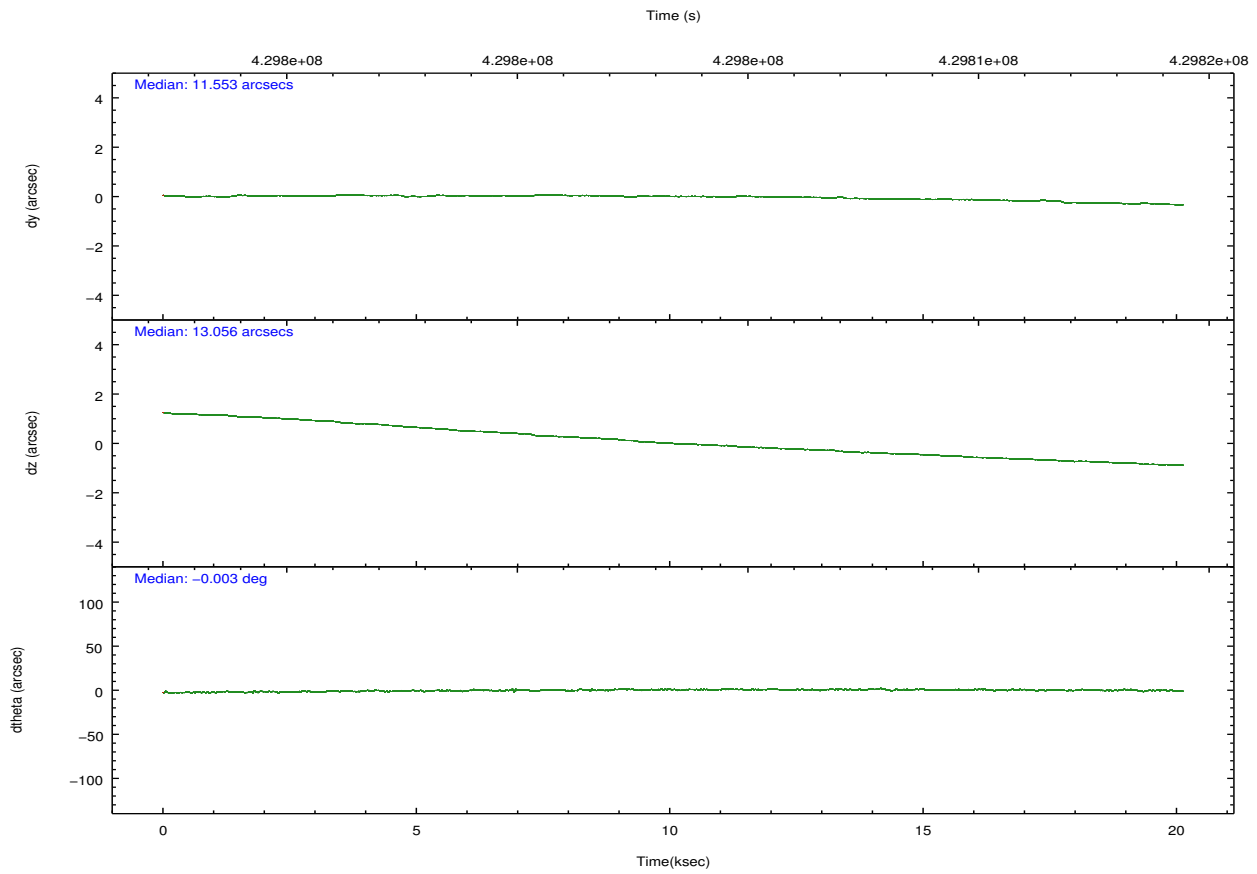
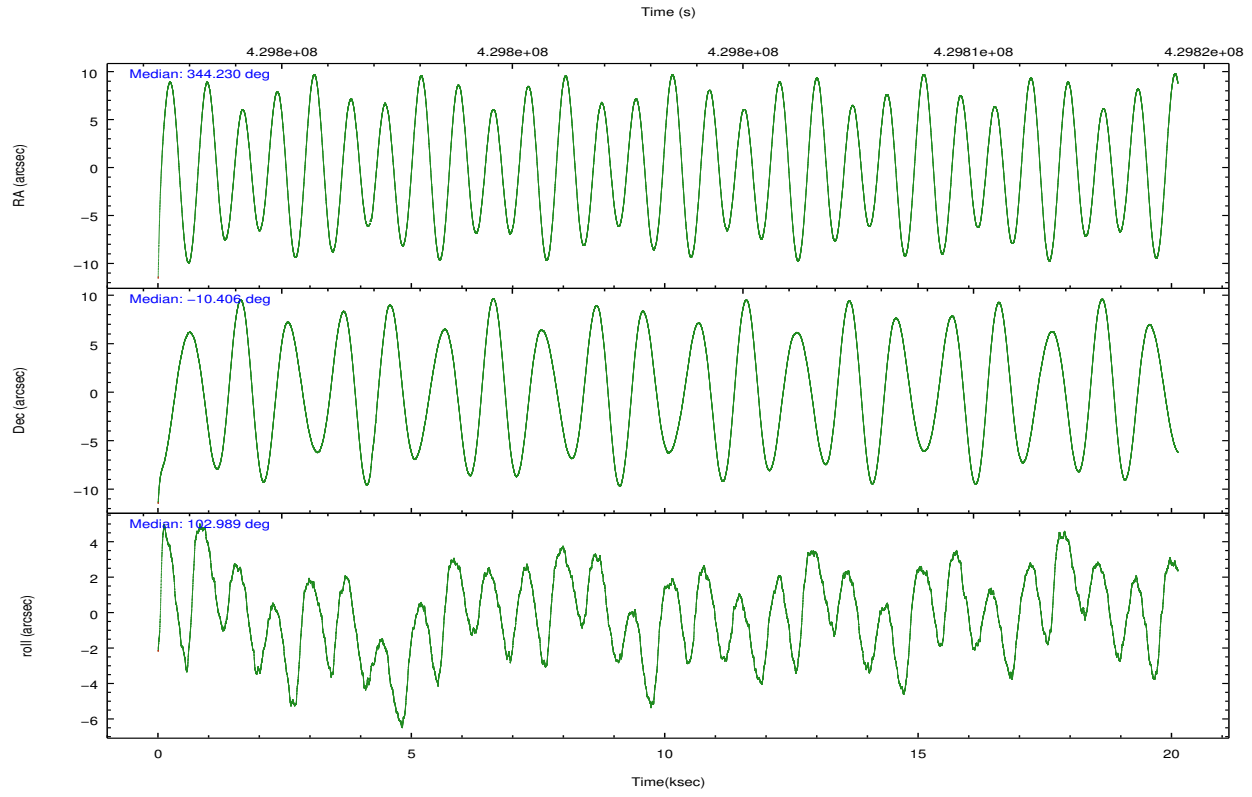
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	146712	206962	122655	161034	163476	123868	grade 0 events	10649	15062	4959	6662	12599	5785
rejected events	126458	104673	108215	89053	120167	108390		7%	7%	4%	4%	7%	4%
rejected %	86%	50%	88%	55%	73%	87%	grade 1 events	125	377	69	194	135	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	3893	28765	3221	14856	10242	3309
								2%	13%	2%	9%	6%	2%
							grade 3 events	1592	4355	1534	6308	4604	1564
								1%	2%	1%	3%	2%	1%
							grade 4 events	1488	3281	1491	6295	4286	1535
								1%	1%	1%	3%	2%	1%
							grade 5 events	5963	18096	6029	16837	8775	6666
								4%	8%	4%	10%	5%	5%
							grade 6 events	2641	50856	3238	37894	11599	3291
								1%	24%	2%	23%	7%	2%
							grade 7 events	120361	86170	102114	71988	111236	101637
								82%	41%	83%	44%	68%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	344.249100	344.2298796350945	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.425740	-10.40600731038279	Alternating exposures requested	N	N
[deg] Pointing Roll	102.839308	102.9924592699678	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	429793439.184000	429792169.52903			
Observation start date	2011-08-15T11:02:53	2011-08-15T10:42:49			
[s] Observation end time (MET)	429813439.184000	429814377.18019			
Observation end date	2011-08-15T16:36:13	2011-08-15T16:52:57			
Read mode	TIMED	TIMED			

2.3 Aspect



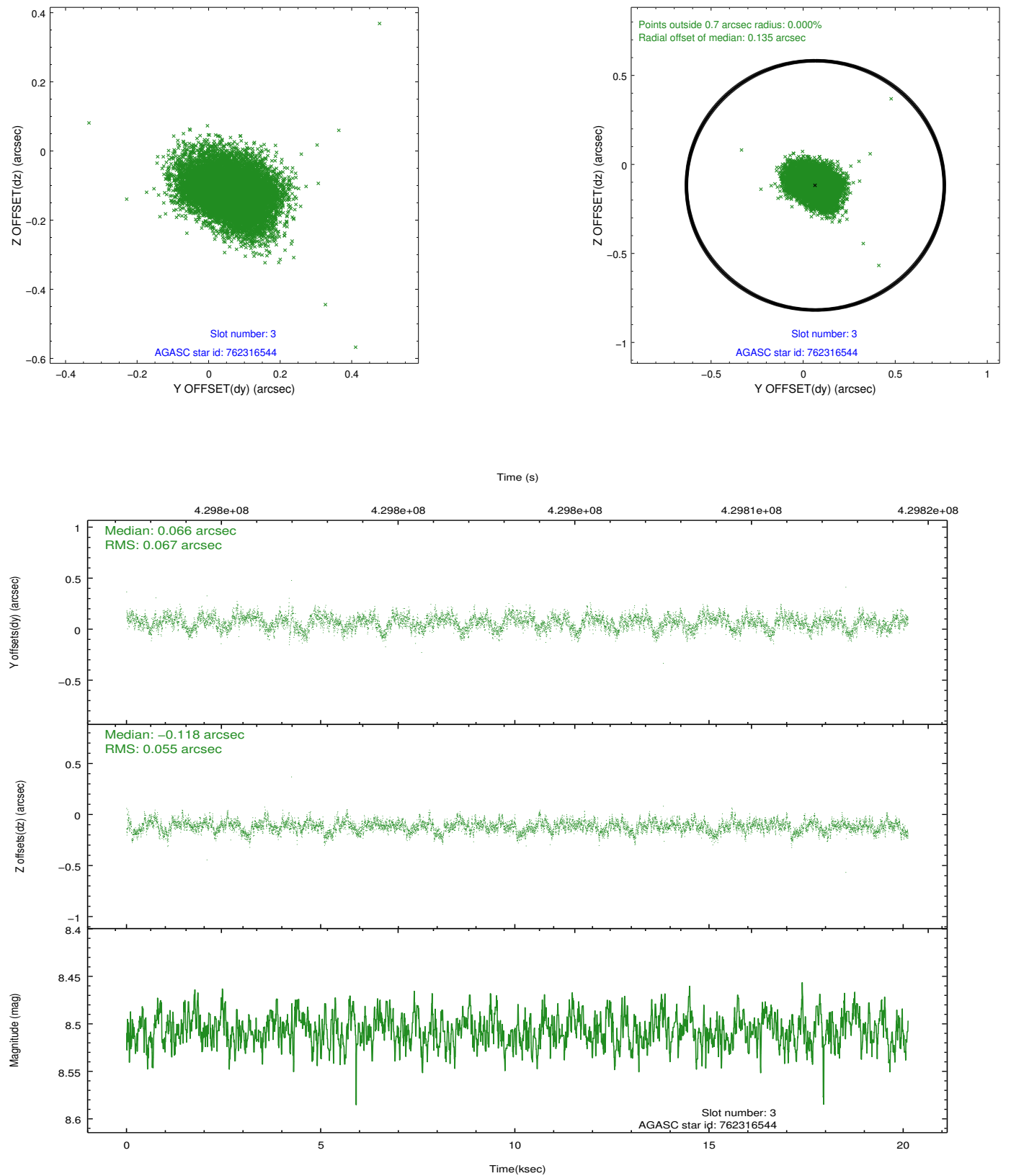


Slot Statistics

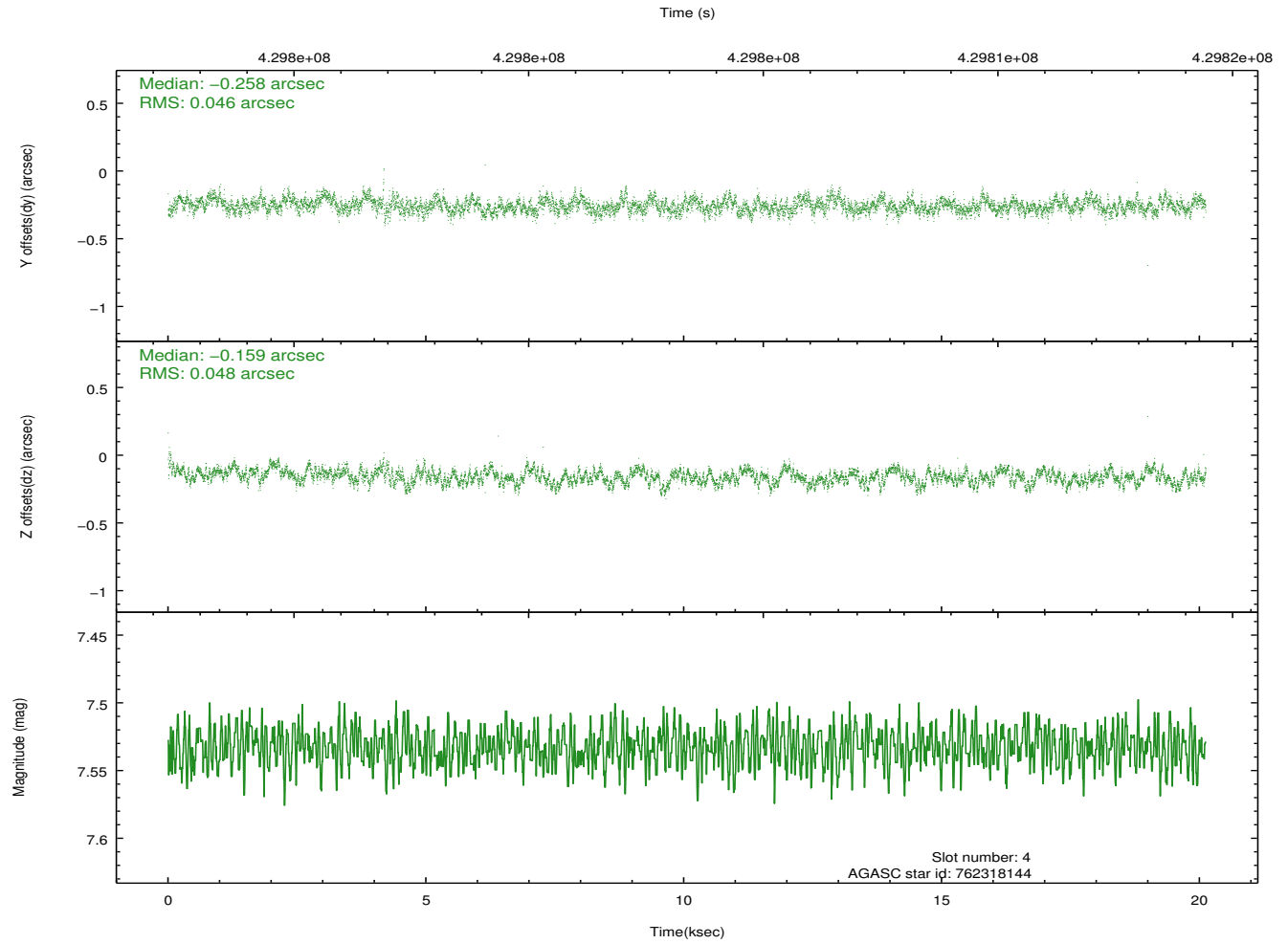
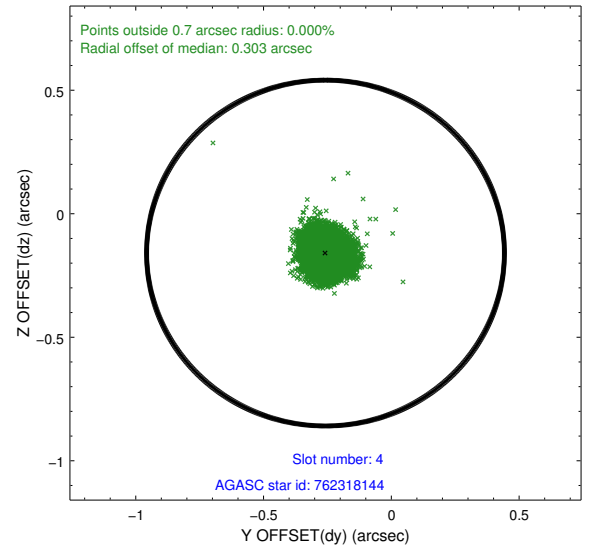
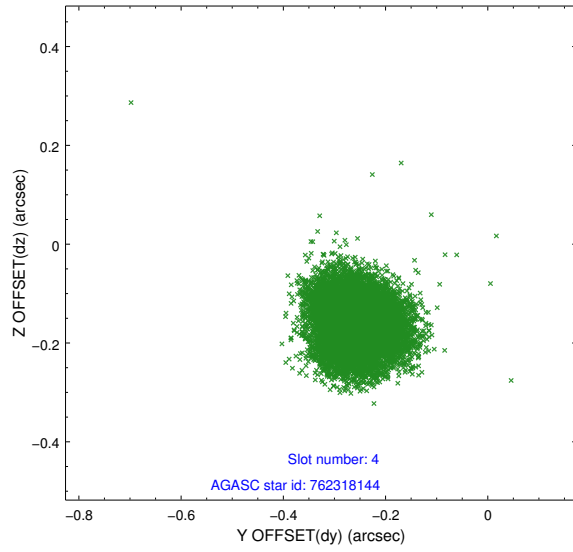
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	4909	-0.035	-0.023	0.015	0.025	0.000000	0.000000	-764.45	-1734.48
1	FID	ACIS-S-4	6.95	4909	0.143	0.022	0.016	0.043	0.000000	0.000000	2148.96	173.80
2	FID	ACIS-S-5	6.98	4909	-0.142	0.009	0.016	0.026	0.000000	0.000000	-1817.12	167.74
3	GUIDE	762316544	8.51	9813	0.066	-0.118	0.091	0.148	344.205872	-10.262970	605.49	18.97
4	GUIDE	762318144	7.53	9815	-0.258	-0.159	0.072	0.113	343.625184	-10.299597	931.28	2054.21
5	GUIDE	762319344	8.72	9809	-0.190	-0.247	0.092	0.146	344.215335	-10.400748	114.51	96.78
6	GUIDE	763234336	9.13	9807	0.164	0.299	0.096	0.154	344.952031	-10.884861	-2165.84	-2054.98
7	GUIDE	763234576	9.14	9807	0.222	0.226	0.091	0.144	344.747568	-10.711988	-1397.43	-1489.94

2.4 Star Slots

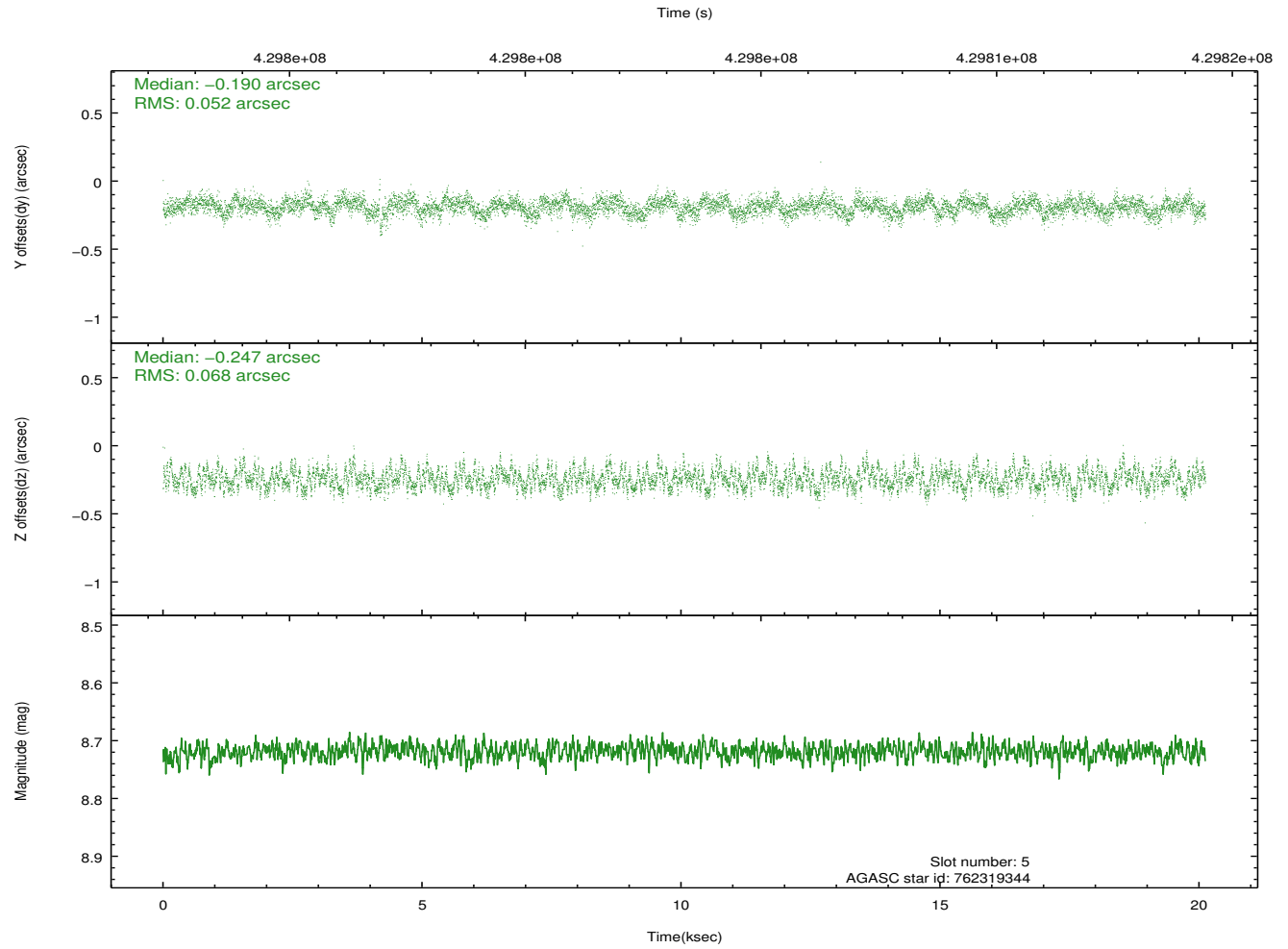
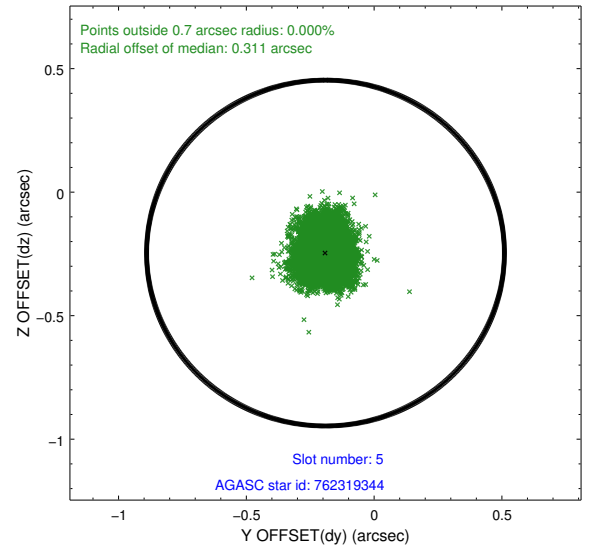
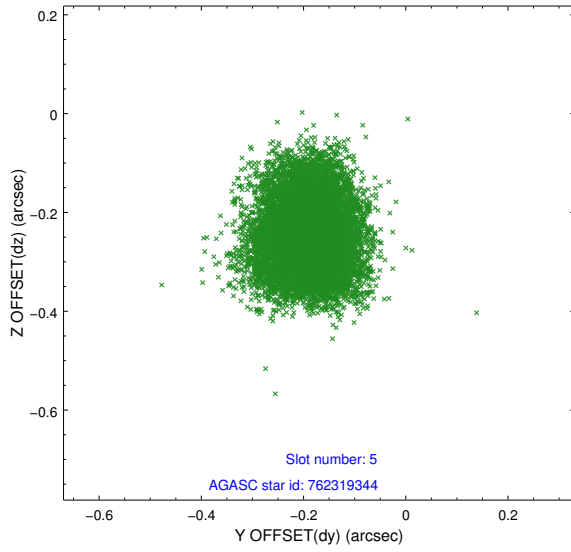
2.4.1 Slot 3



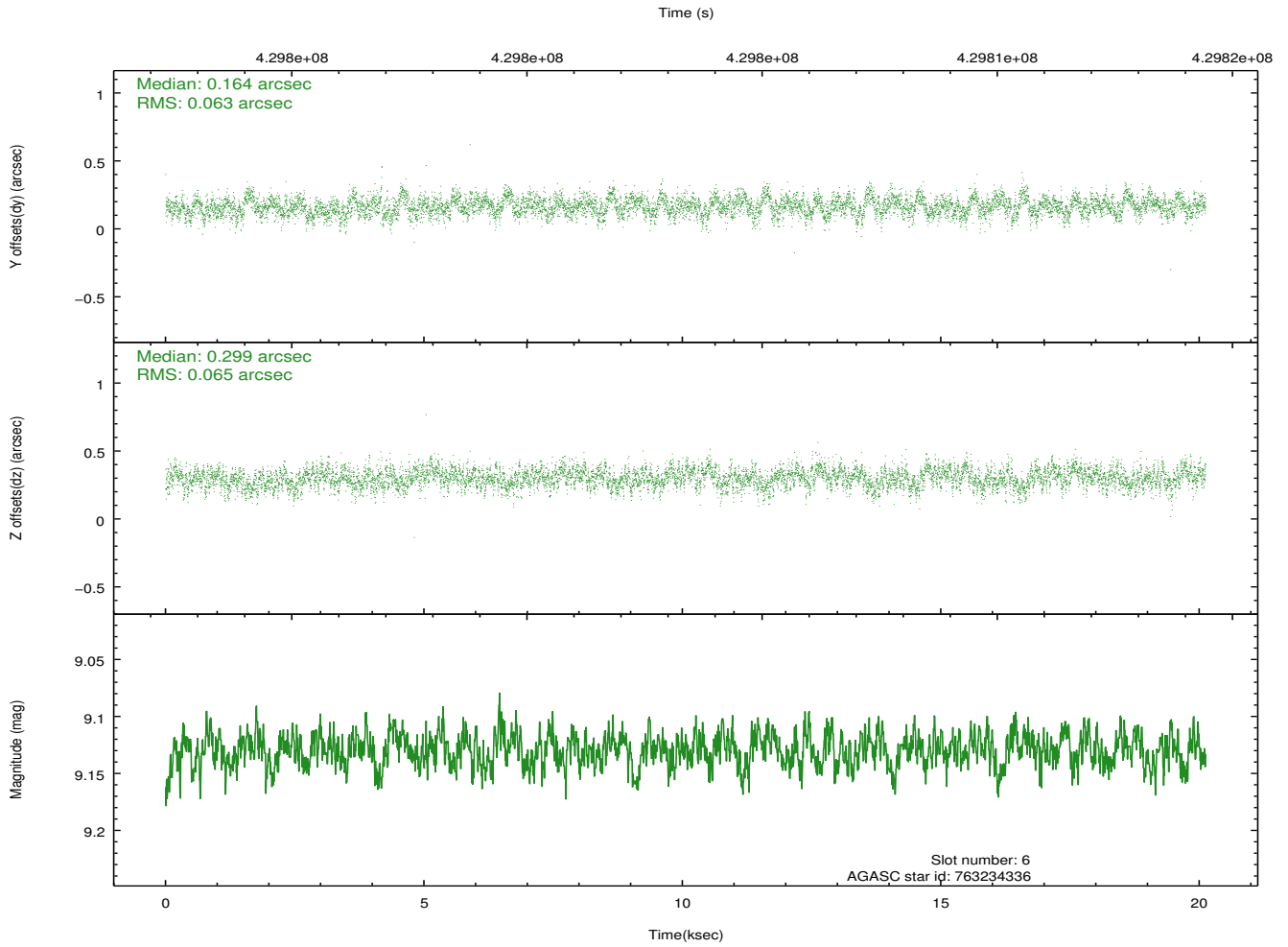
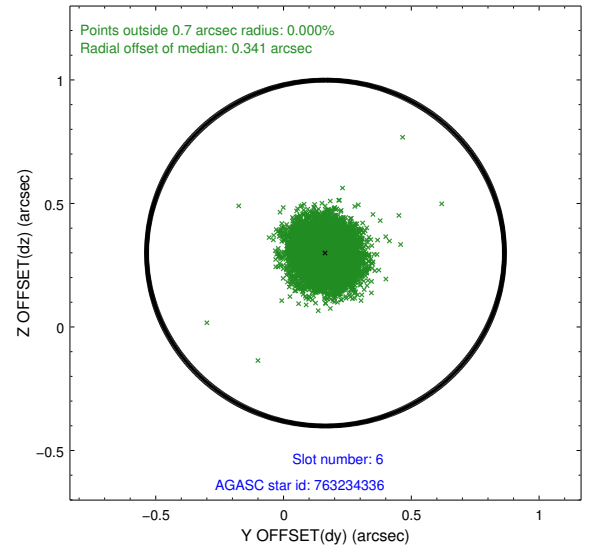
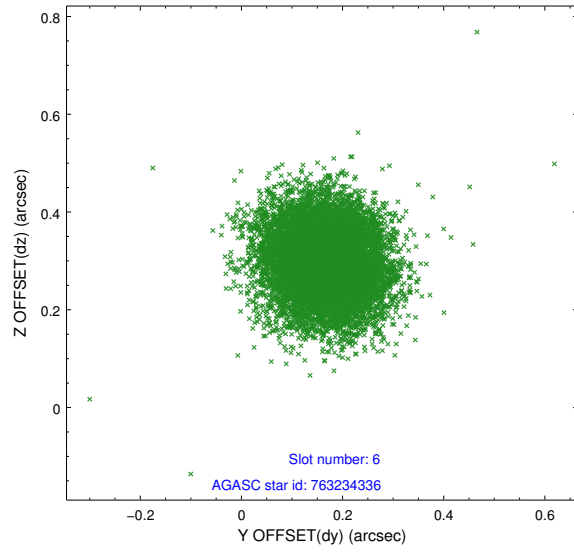
2.4.2 Slot 4



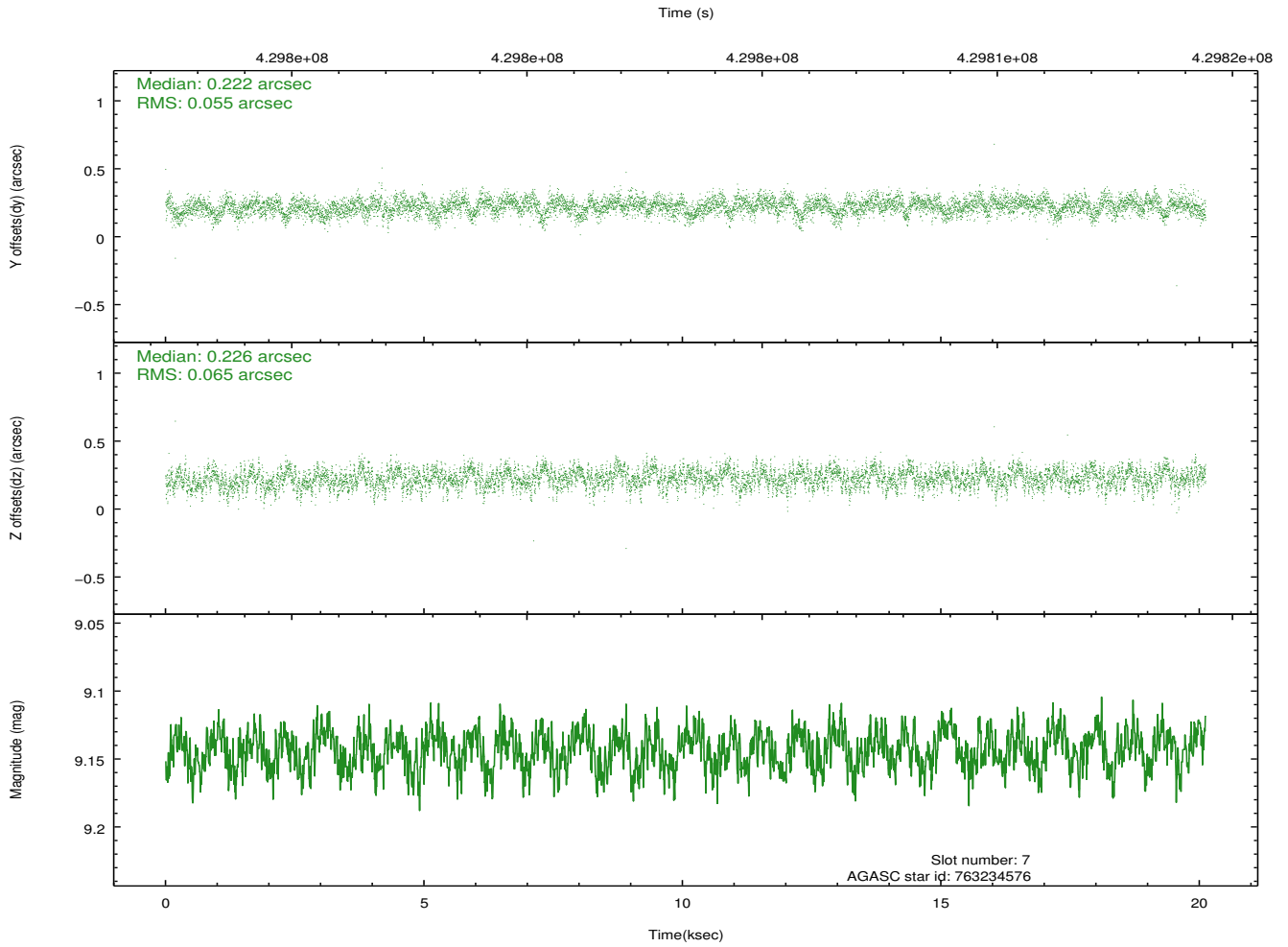
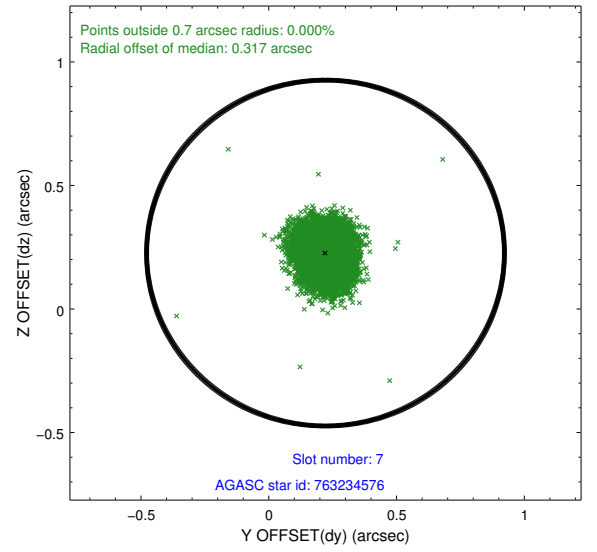
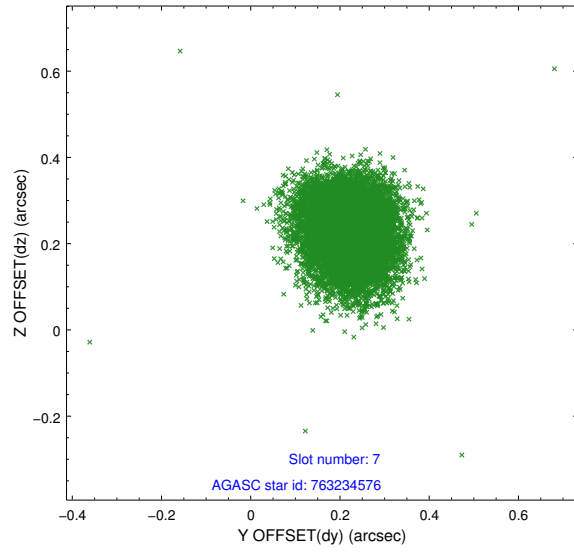
2.4.3 Slot 5



2.4.4 Slot 6

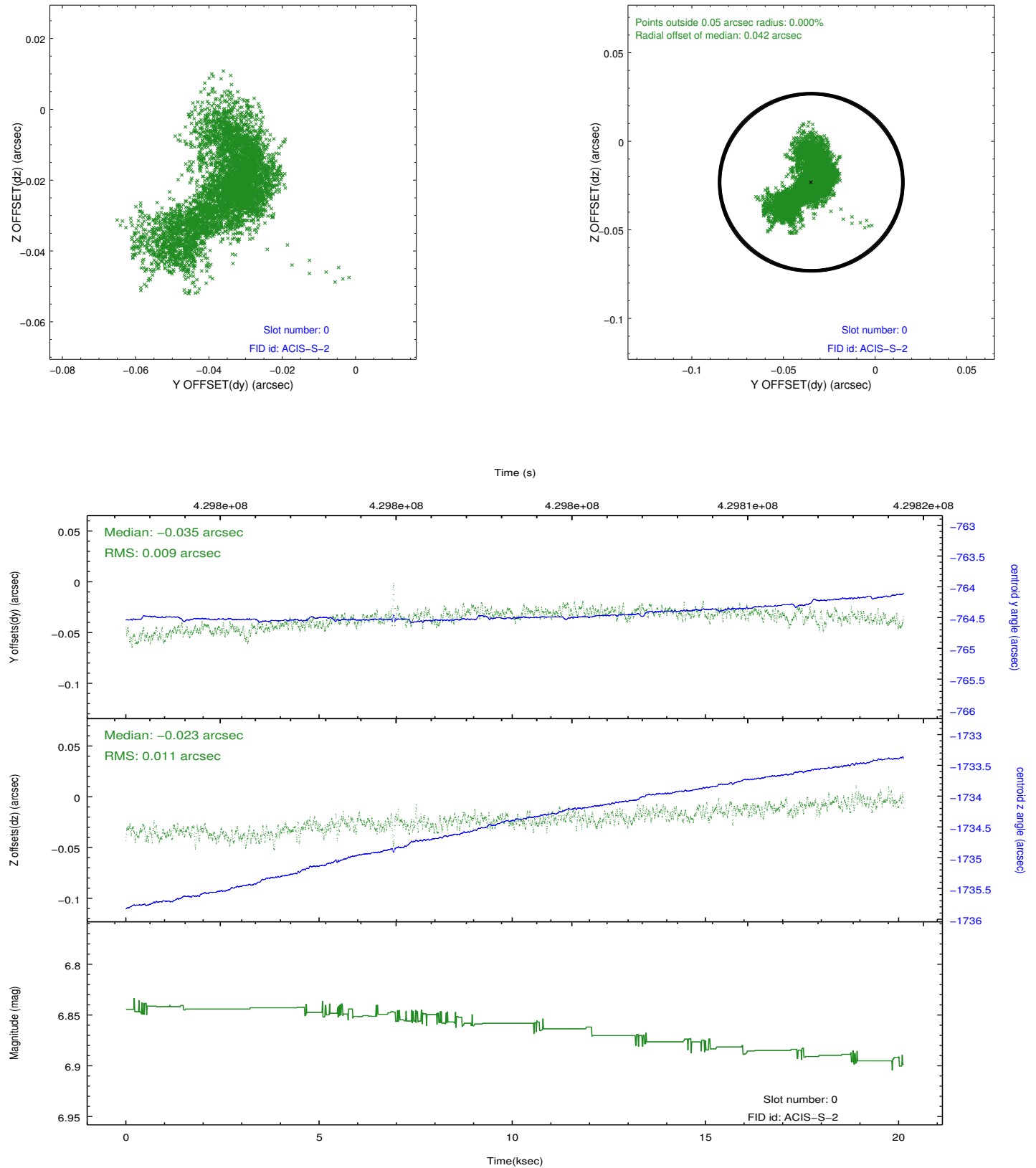


2.4.5 Slot 7

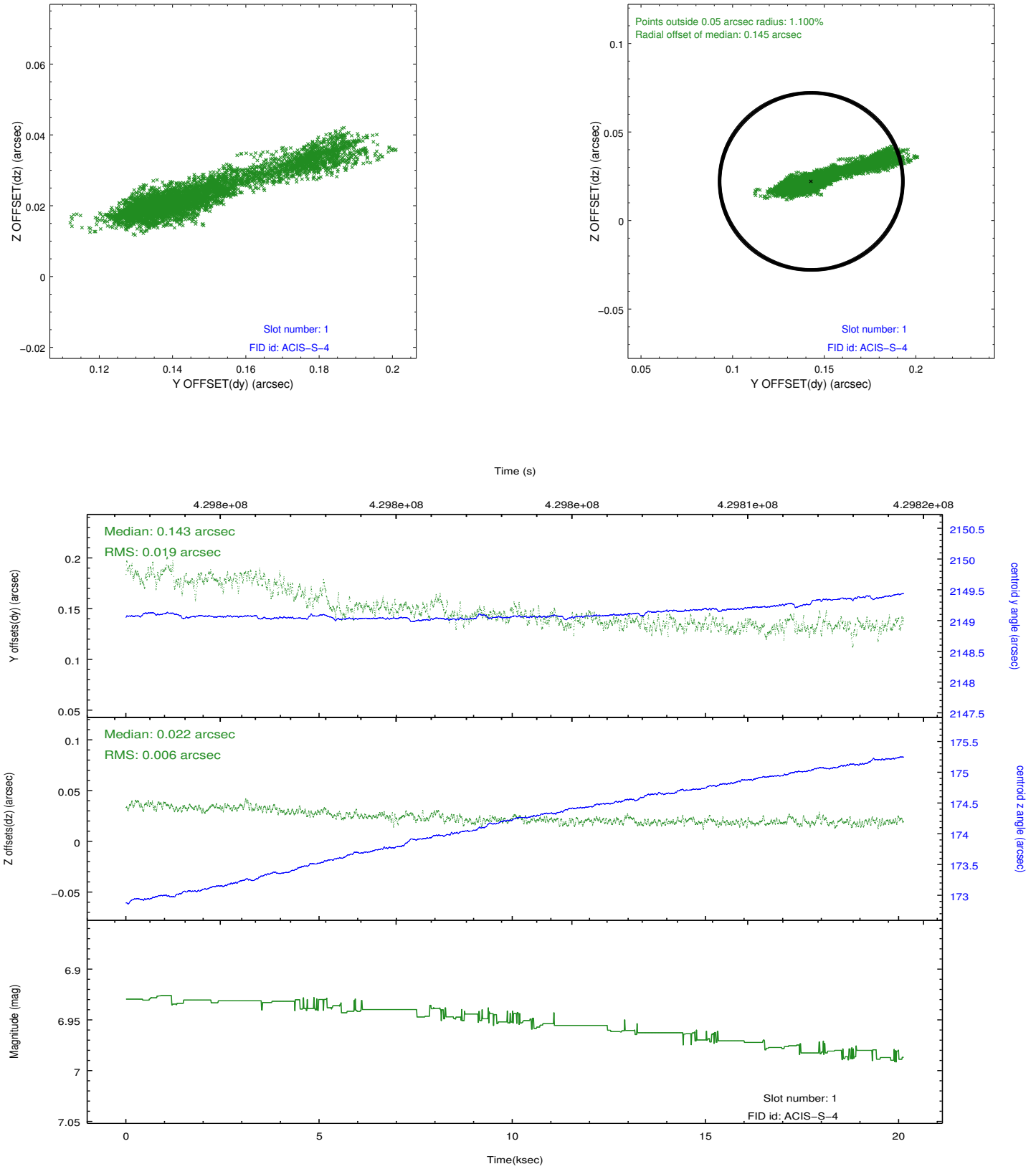


2.5 FID Slots

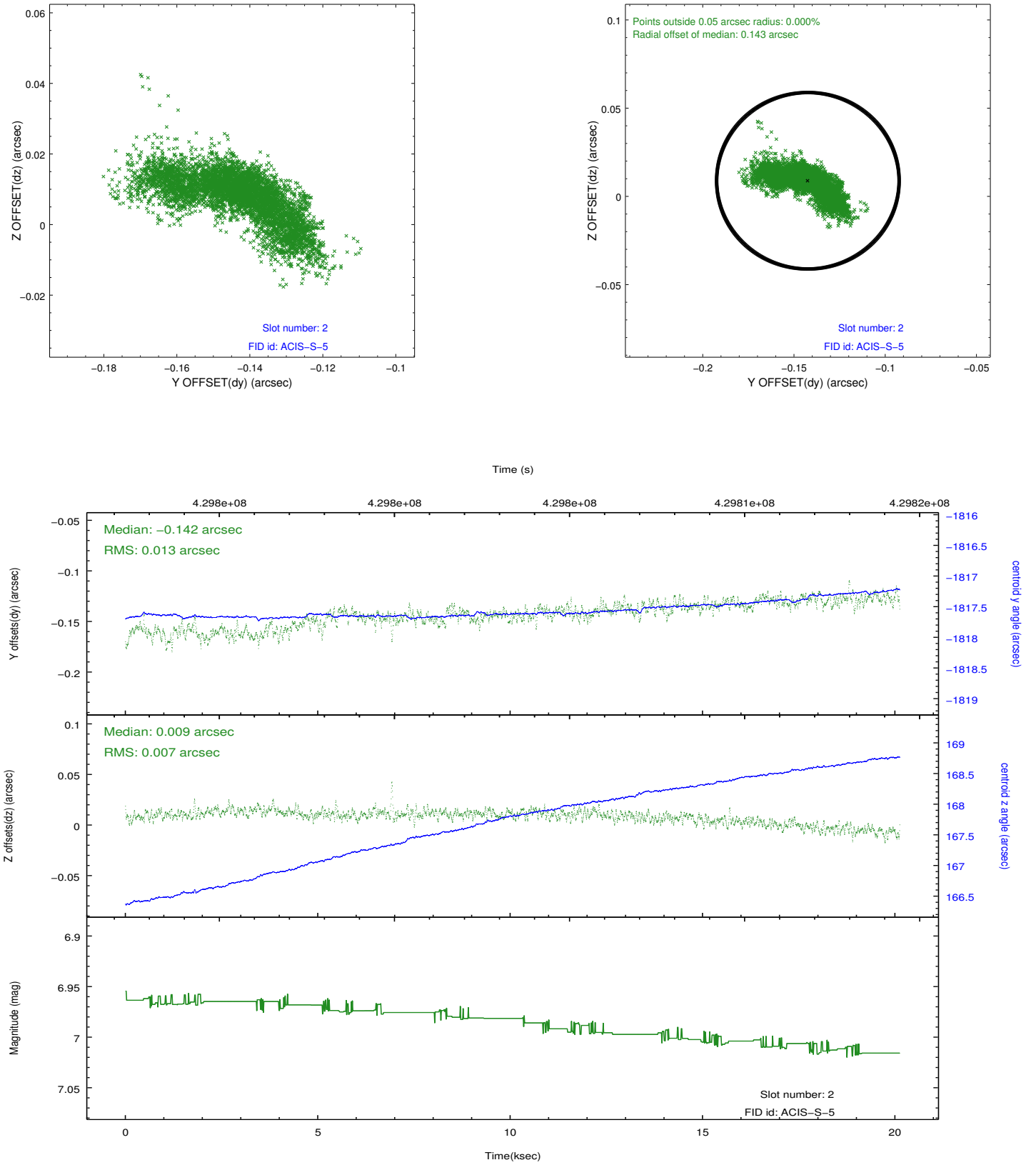
2.5.1 Slot 0



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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.05359562093

A.2 Comments