

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9963 - L2 Version 2
Chandra X-Ray Center

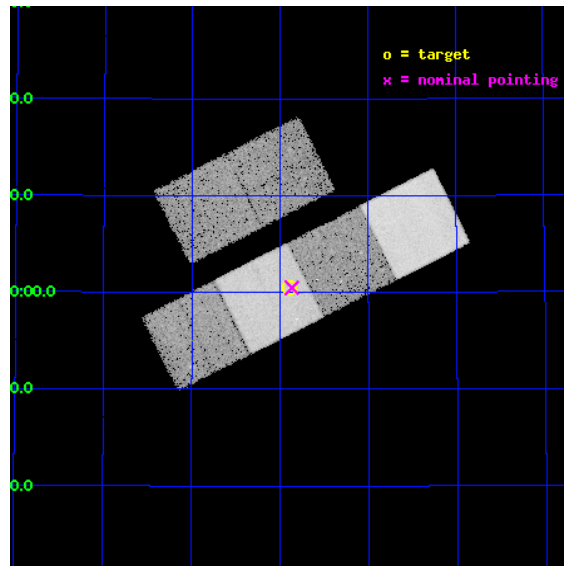
L2 Processing Date : May 30 2012

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1 Front

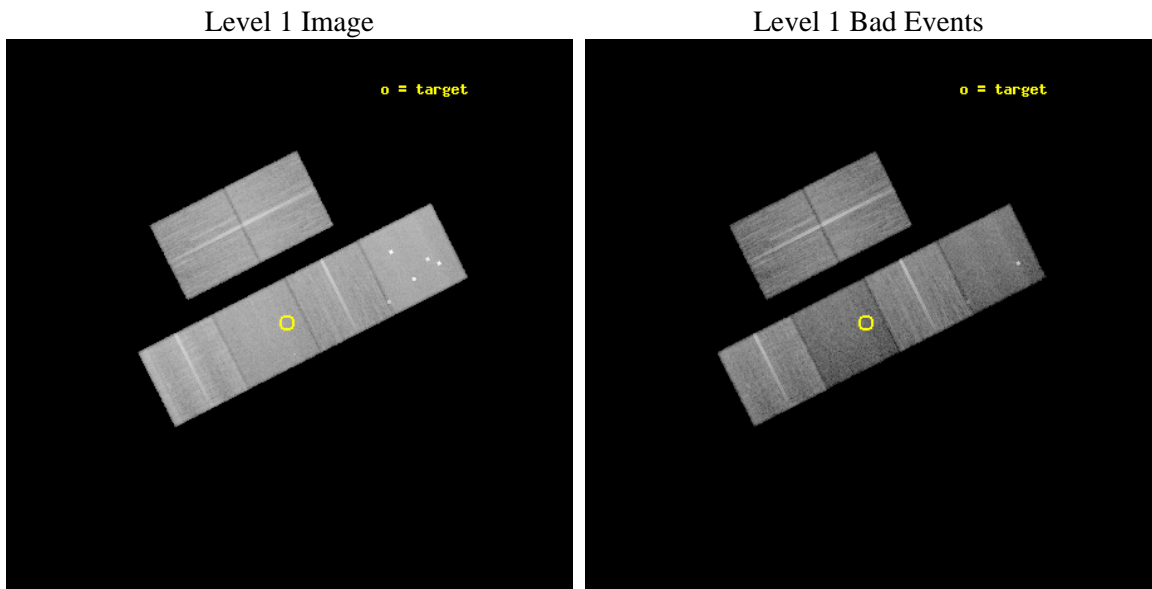
seq_num	300250	Sequence number
obs_id	9963	Observation id
title	Searching for Millisecond Pulsars in Extremely Low-Mass White Dwarf Binaries	Proposal title
observer	Prof. Craig Heinke	Principal investigator
object	SDSS J105353+520031	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	163.474583	Observer's specified target RA [deg]
dec_targ	52.008611	Observer's specified target Dec [deg]
ra_nom	163.4667094313	Nominal RA [deg]
dec_nom	52.008196592302	Nominal Dec [deg]
roll_nom	153.23827444579	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20754.02610904	Sum of GTIs [s]
livetime	20491.226133873	Livetime [s]
ontime2	20754.067149043	Sum of GTIs [s]
ontime3	20753.90298903	Sum of GTIs [s]
ontime5	20753.985069036	Sum of GTIs [s]
ontime6	20753.944029033	Sum of GTIs [s]
ontime7	20754.02610904	Sum of GTIs [s]
ontime8	20744.138828278	Sum of GTIs [s]
l2events	238735	Number of level 2 events



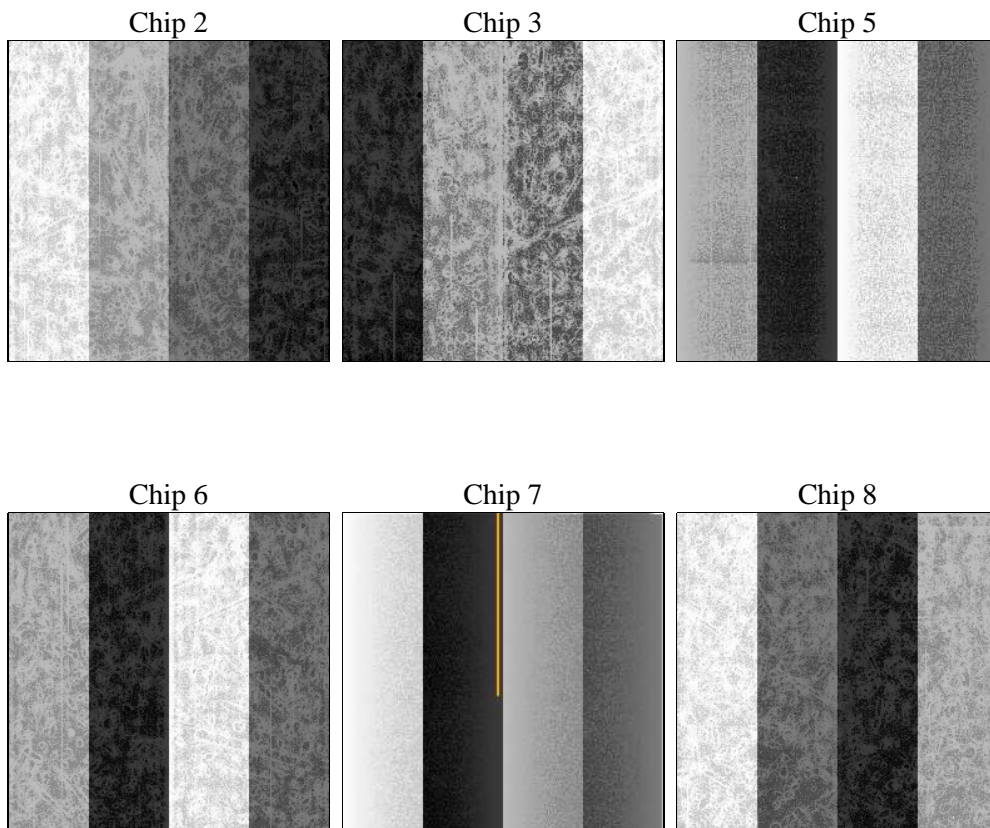
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20754.02610904	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	20754.067149043	Sum of GTIs [s]
date	2012-05-30T23:56:31	Date and time of file creation	ontime3	20753.90298903	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	20753.985069036	Sum of GTIs [s]
			ontime6	20753.944029033	Sum of GTIs [s]
			ontime7	20754.02610904	Sum of GTIs [s]
			ontime8	20744.138828278	Sum of GTIs [s]
			l1events	1106786	Number of level 1 events

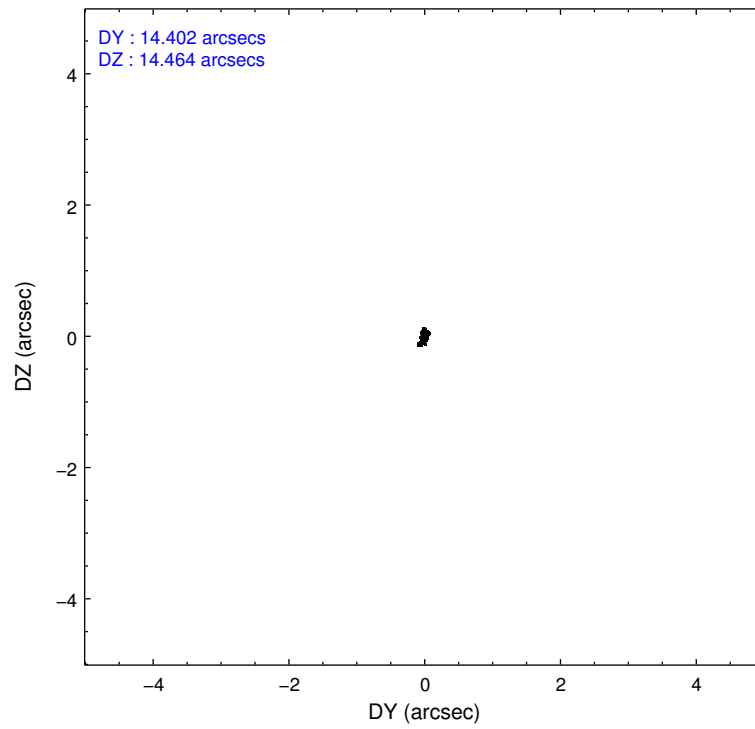
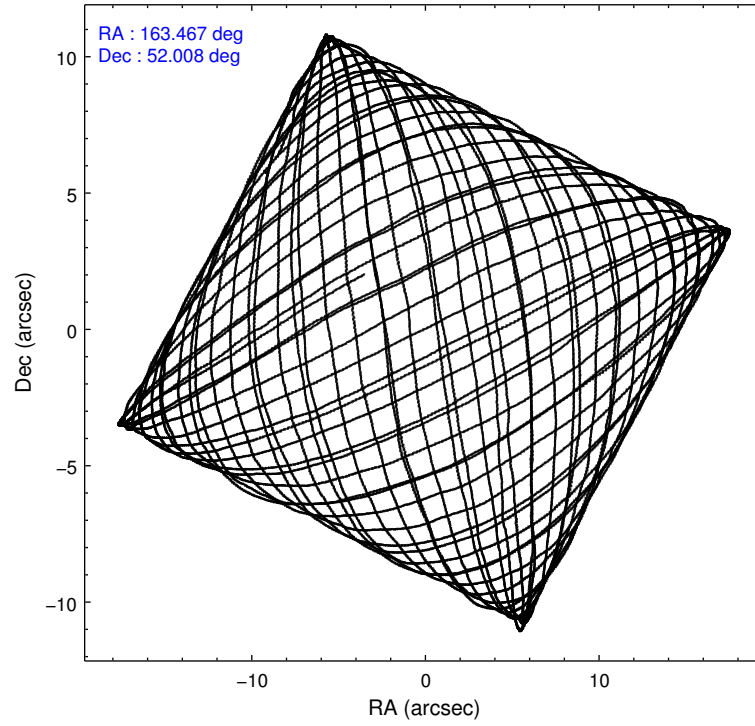
2.1.4 Events

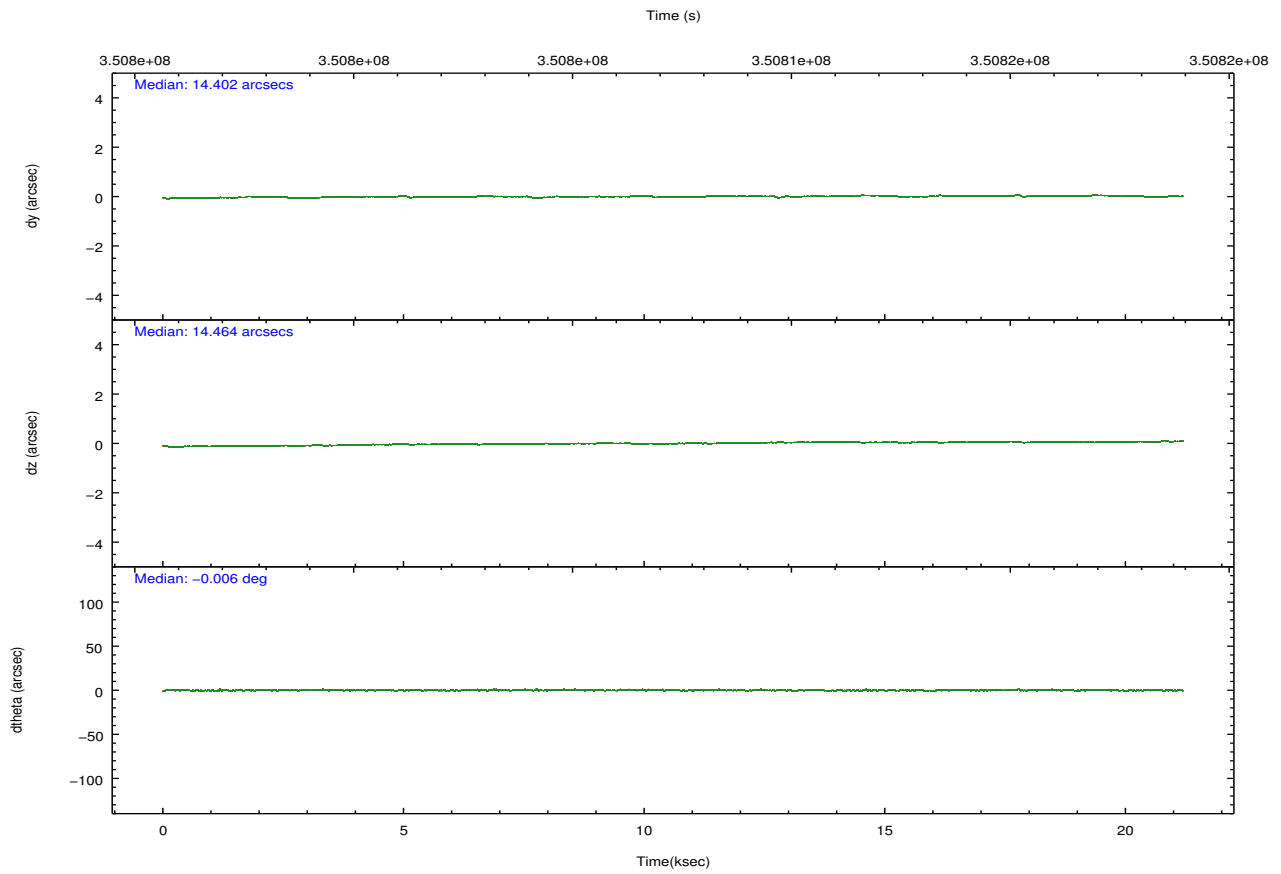
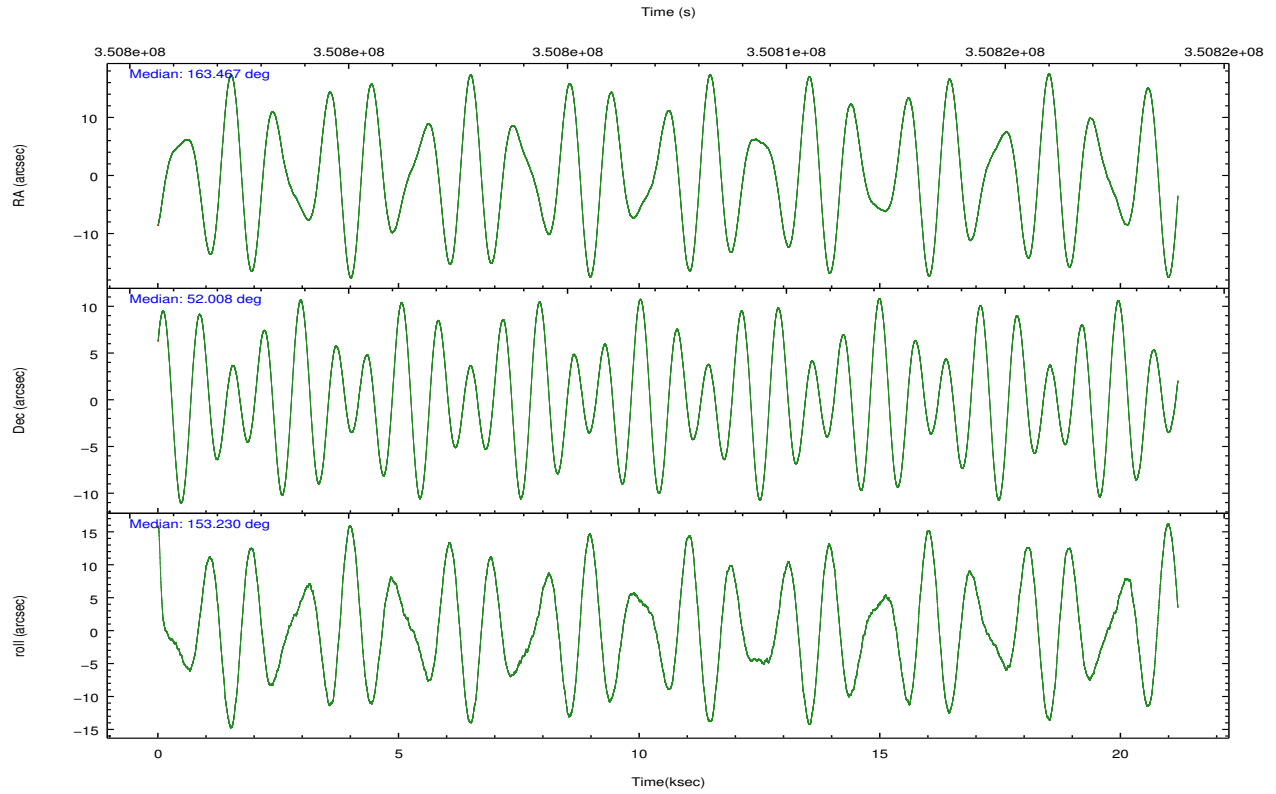
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	177504	160741	228379	166138	163571	210453	grade 0 events	5846	5537	22909	6126	8114	14240
rejected events	161450	145693	102405	149346	83916	158461		3%	3%	10%	3%	4%	6%
rejected %	90%	90%	44%	89%	51%	75%	grade 1 events	111	102	561	86	263	197
								0%	0%	0%	0%	0%	0%
							grade 2 events	3821	3279	36494	3663	16966	12709
								2%	2%	15%	2%	10%	6%
							grade 3 events	1690	1703	4848	1850	7439	5625
								0%	1%	2%	1%	4%	2%
							grade 4 events	1720	1673	4642	1778	7318	5179
								0%	1%	2%	1%	4%	2%
							grade 5 events	4722	5791	17298	5745	17627	8952
								2%	3%	7%	3%	10%	4%
							grade 6 events	2977	2864	57119	3379	39835	14243
								1%	1%	25%	2%	24%	6%
							grade 7 events	156617	139792	84508	143511	66009	149308
								88%	86%	37%	86%	40%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	163.511043	163.4667094312992	CCD I2 on	O2	Y
[deg] Pointing Dec	52.010108	52.00819659230163	CCD I3 on	O3	Y
[deg] Pointing Roll	153.046705	153.2382744457938	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O4	Y
[s] Observation start time (MET)	350796900.184000	350796413.71548	CCD S5 on	N	N
Observation start date	2009-02-12T03:33:54	2009-02-12T03:26:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	350817900.184000	350818782.80409	On-chip summing requested	N	N
Observation end date	2009-02-12T09:23:54	2009-02-12T09:39:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



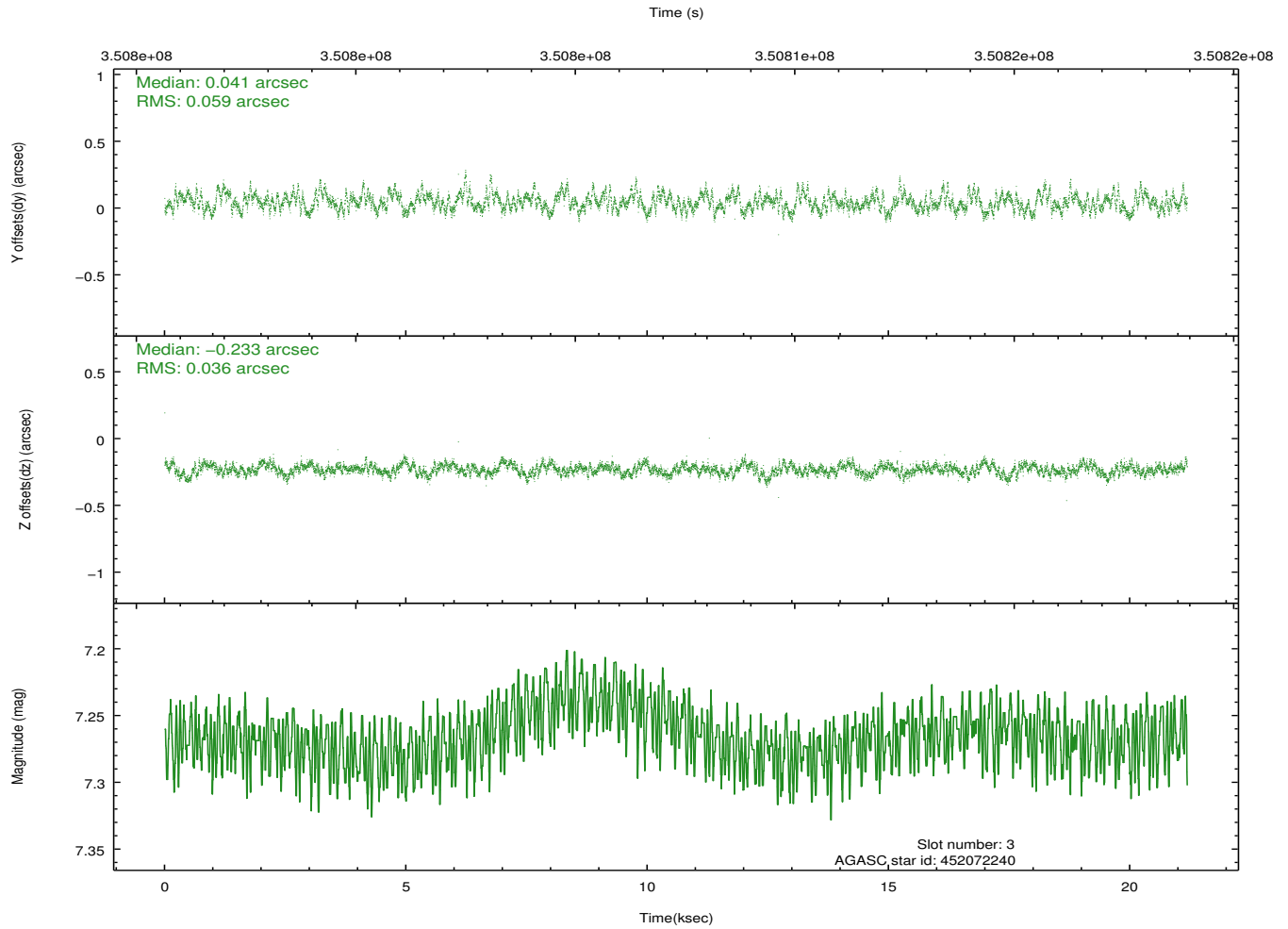
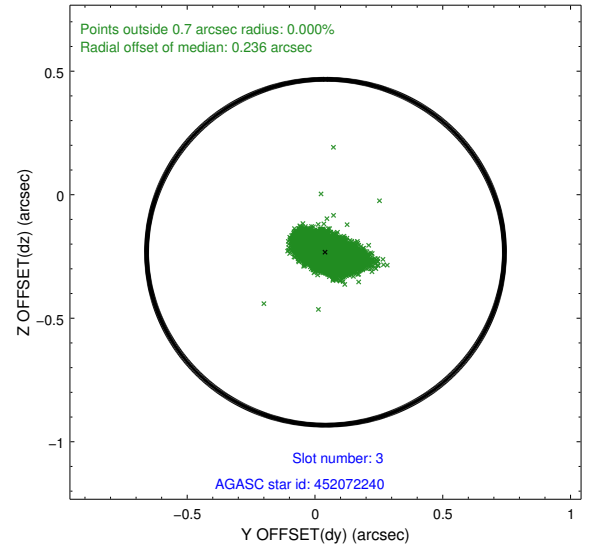
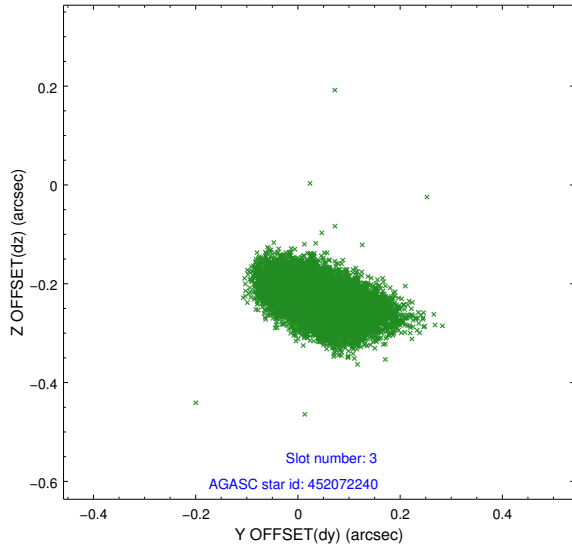


Slot Statistics

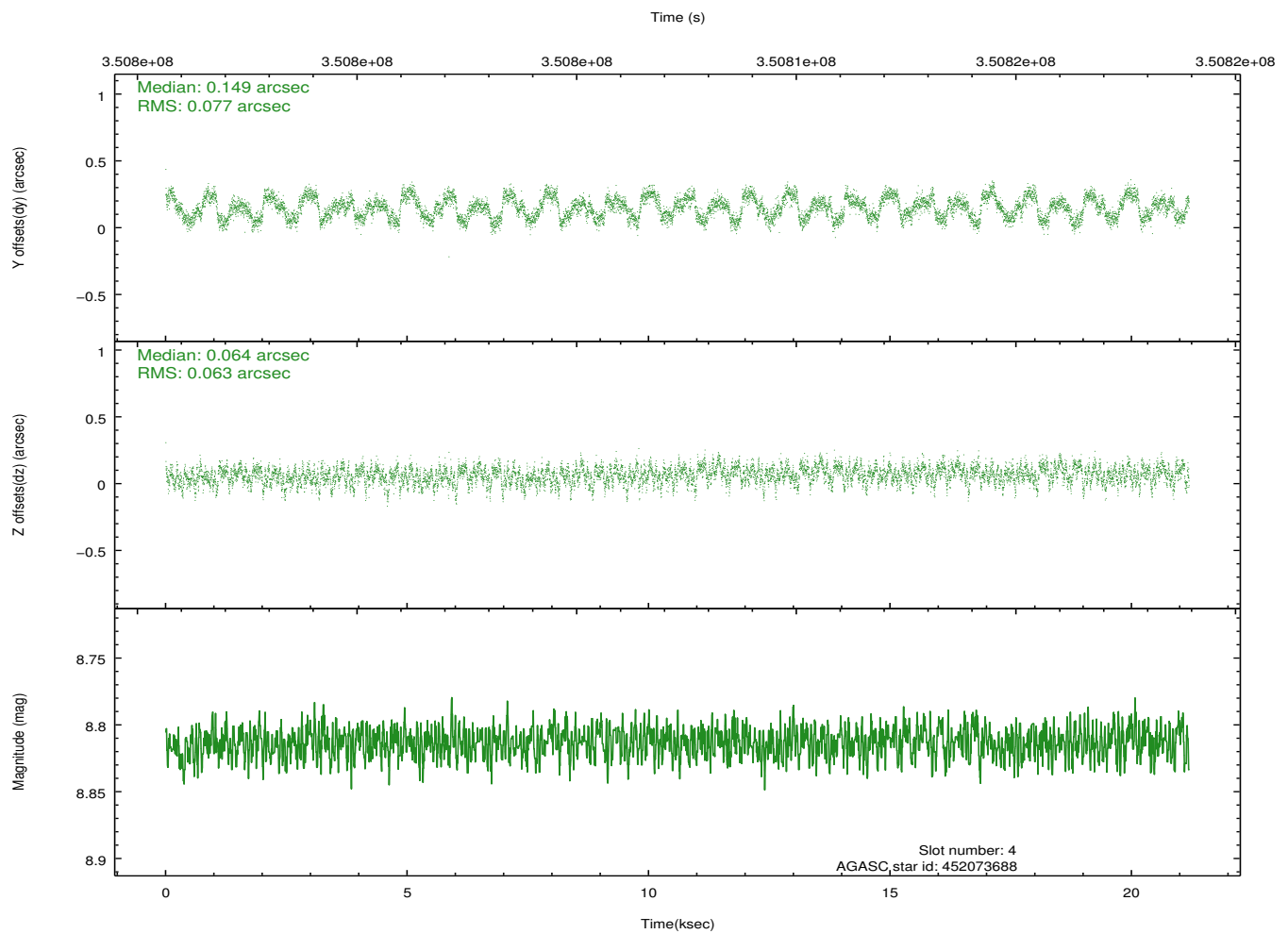
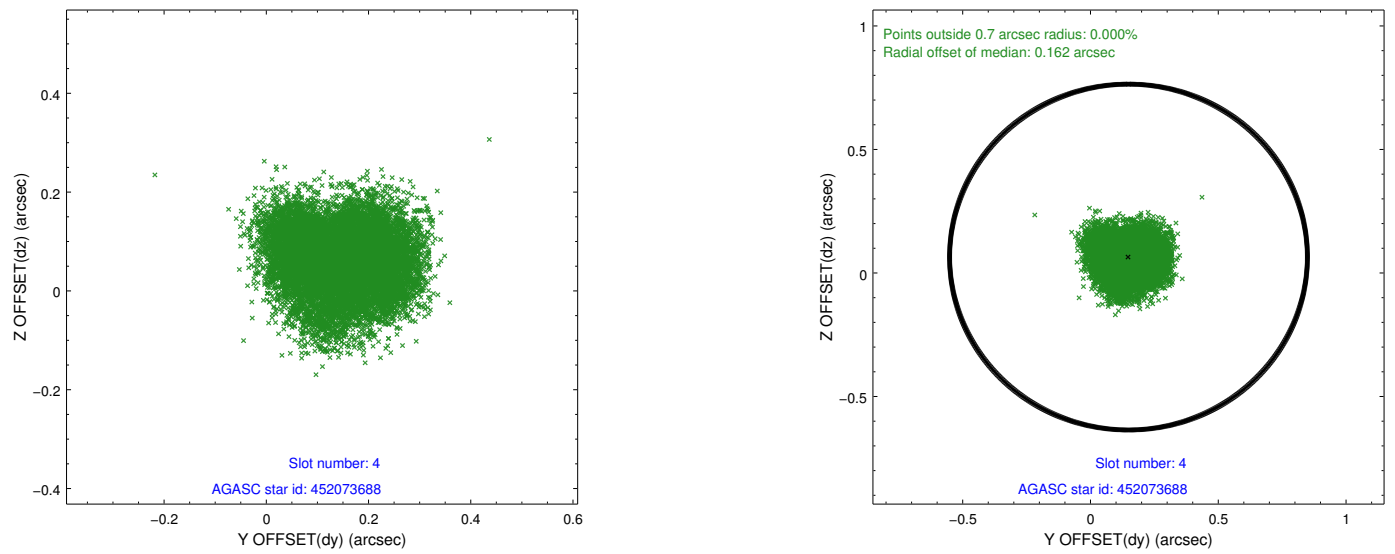
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.06	5168	0.063	-0.021	0.011	0.017	0.000000	0.000000	928.76	-1731.47
1	FID	ACIS-S-5	7.10	5169	-0.155	0.035	0.010	0.017	0.000000	0.000000	-1820.37	165.95
2	FID	ACIS-S-6	7.21	5168	0.071	-0.002	0.008	0.013	0.000000	0.000000	394.12	810.08
3	GUIDE	452072240	7.27	10335	0.041	-0.233	0.073	0.122	163.164114	52.071202	785.03	150.61
4	GUIDE	452073688	8.81	10330	0.149	0.064	0.110	0.160	164.252343	52.374471	-853.45	-1914.59
5	GUIDE	452073912	8.91	10330	-0.039	0.125	0.104	0.157	164.524772	52.434735	-1283.12	-2384.83
6	GUIDE	452074088	8.20	10325	-0.139	0.019	0.069	0.107	162.667964	51.799672	1335.71	1517.25
7	GUIDE	452070264	9.02	10324	-0.010	0.025	0.100	0.154	163.566720	51.331108	-1219.82	2122.31

2.4 Star Slots

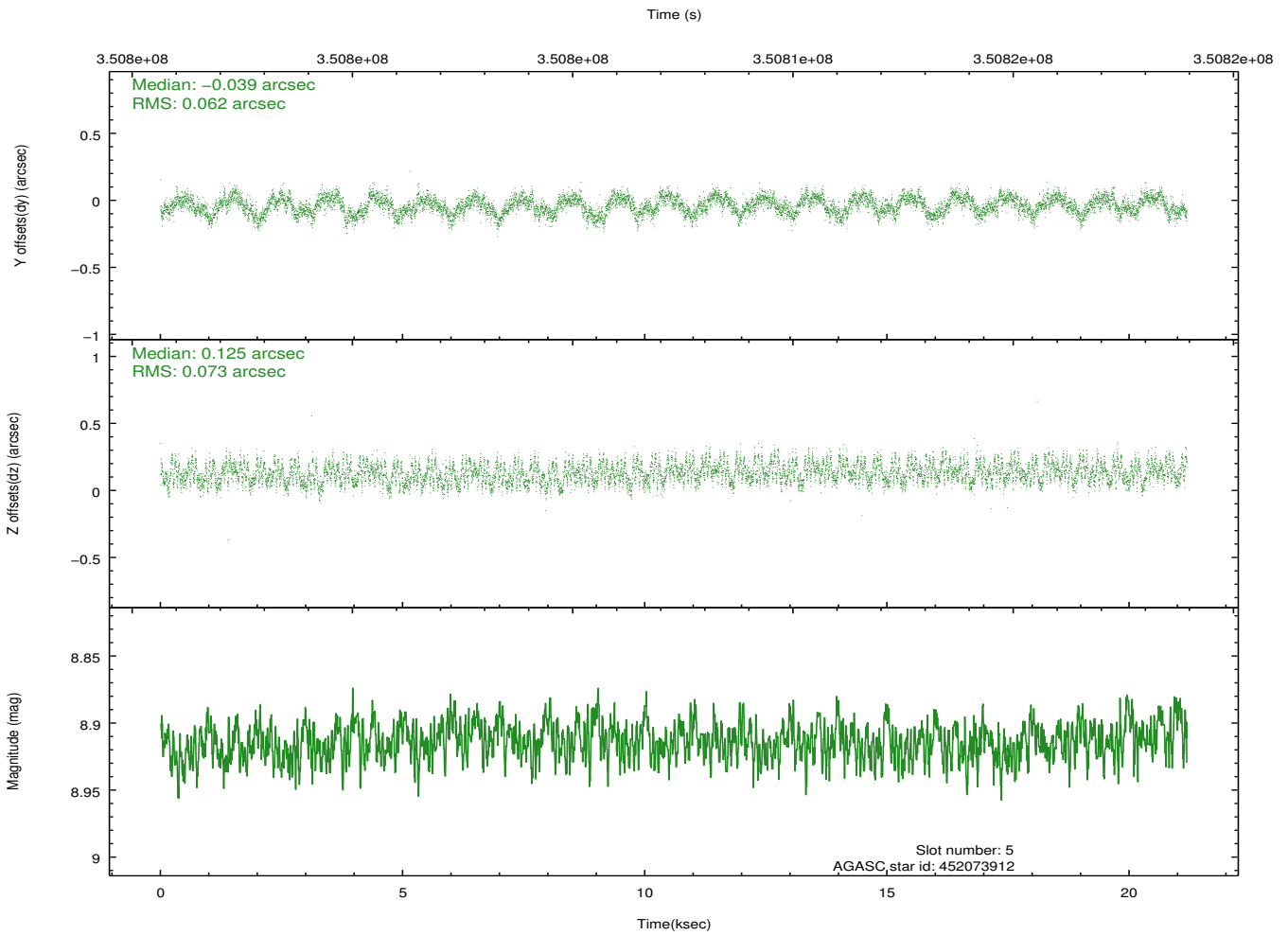
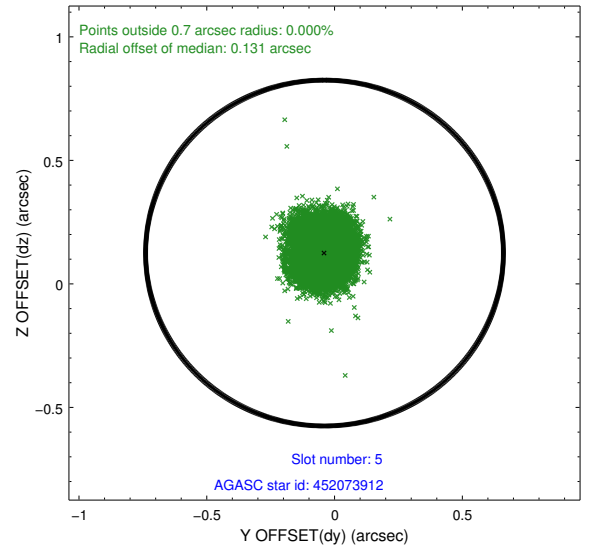
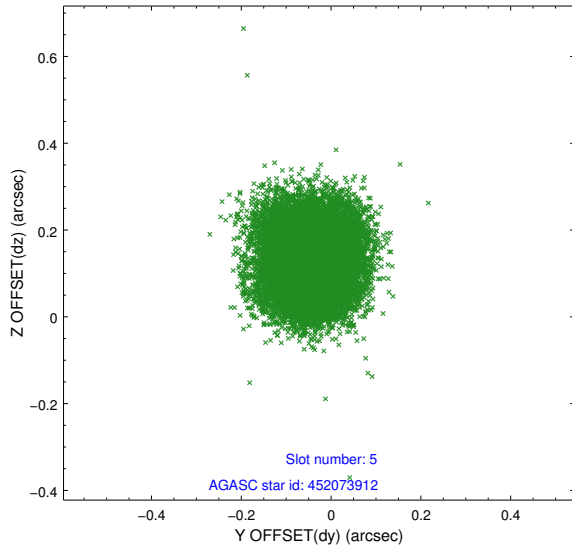
2.4.1 Slot 3



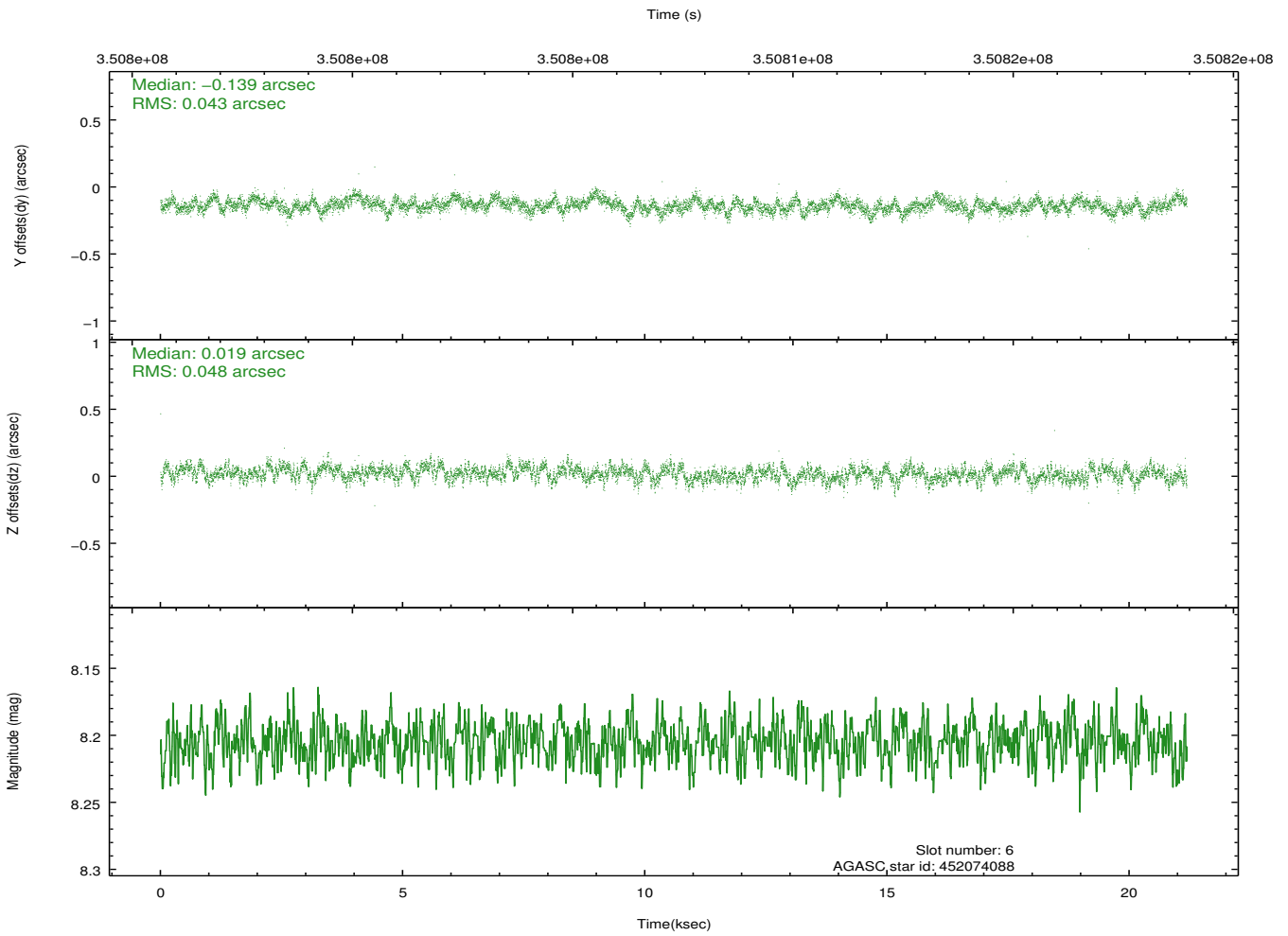
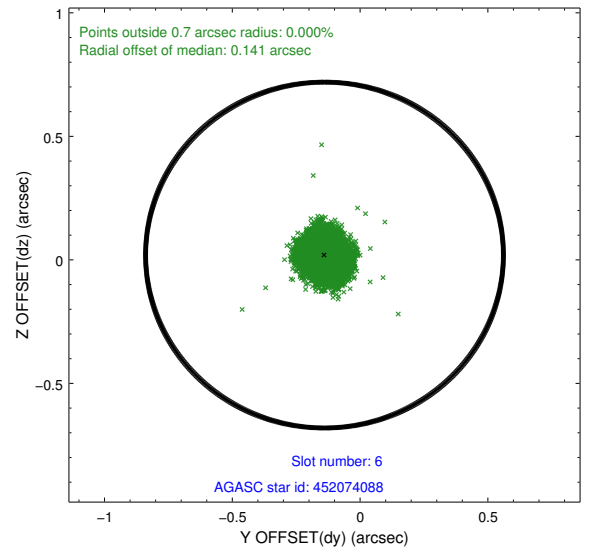
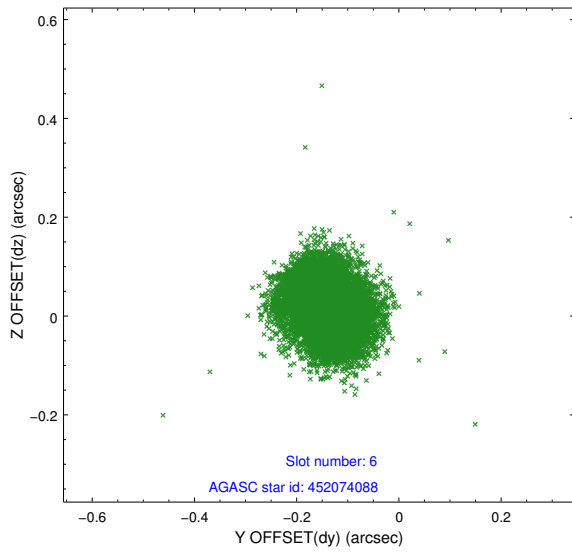
2.4.2 Slot 4



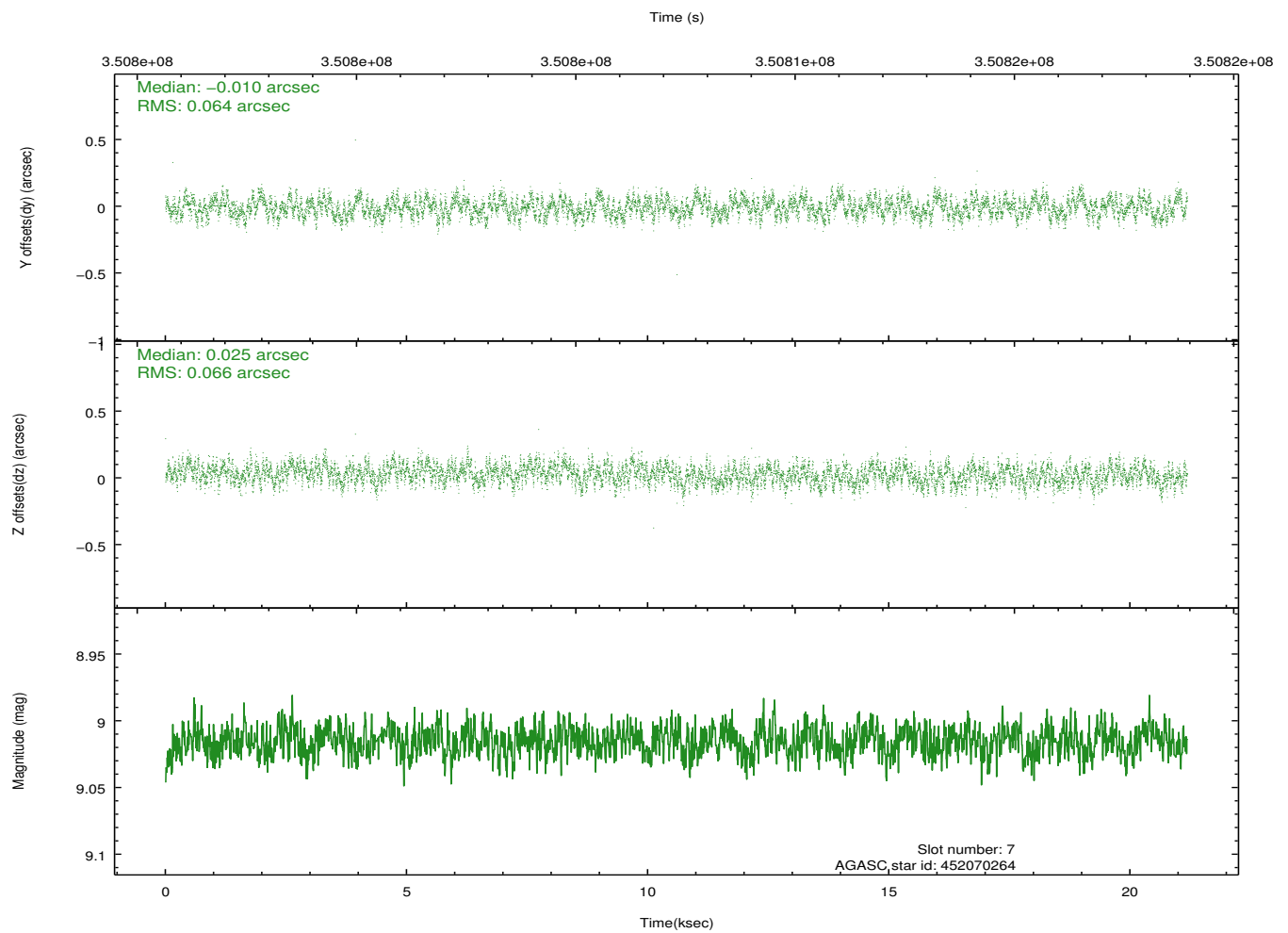
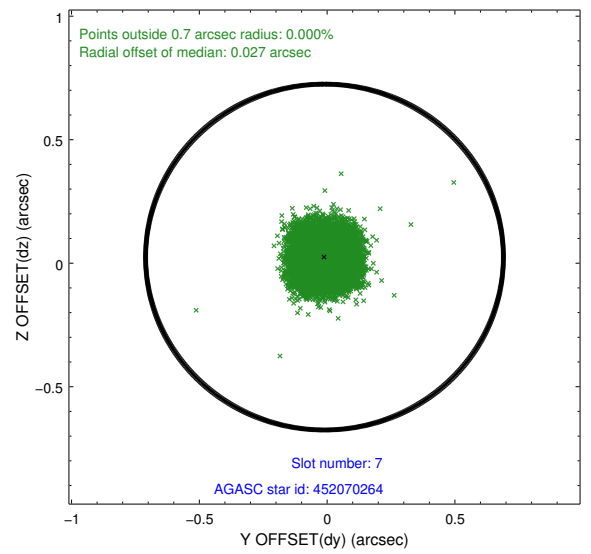
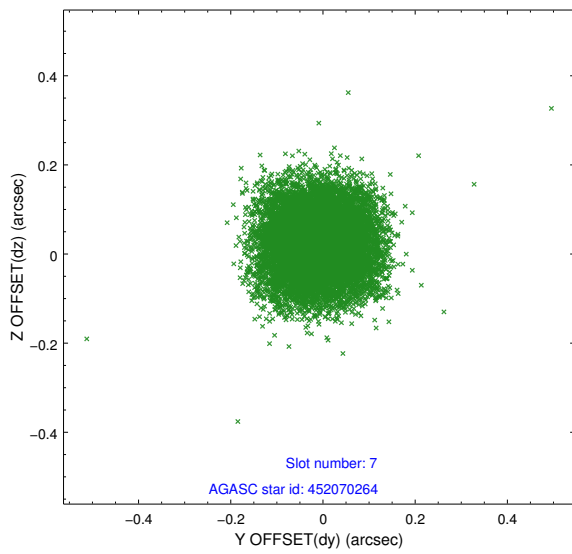
2.4.3 Slot 5



2.4.4 Slot 6

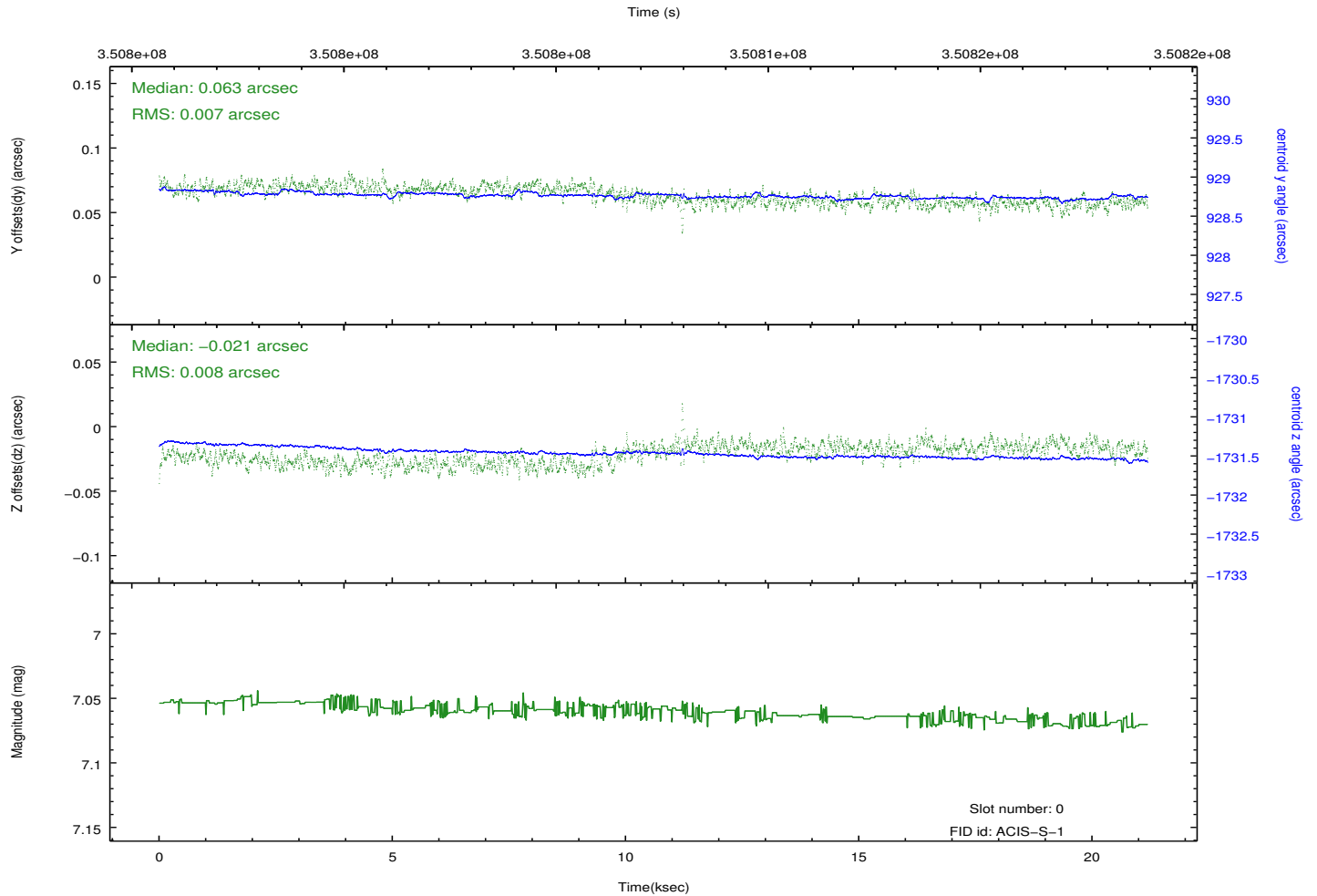
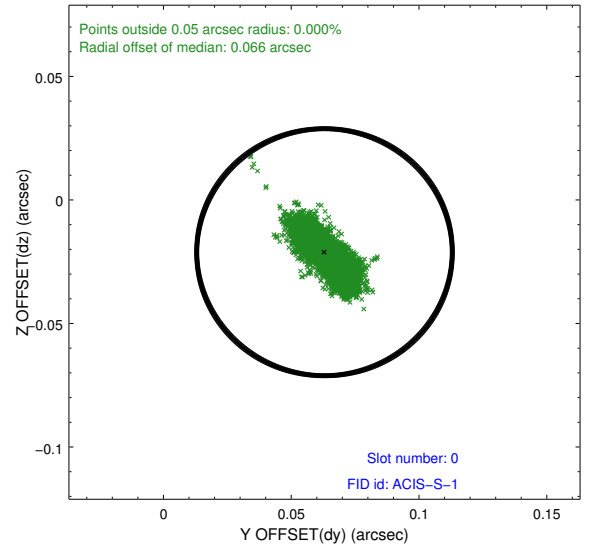
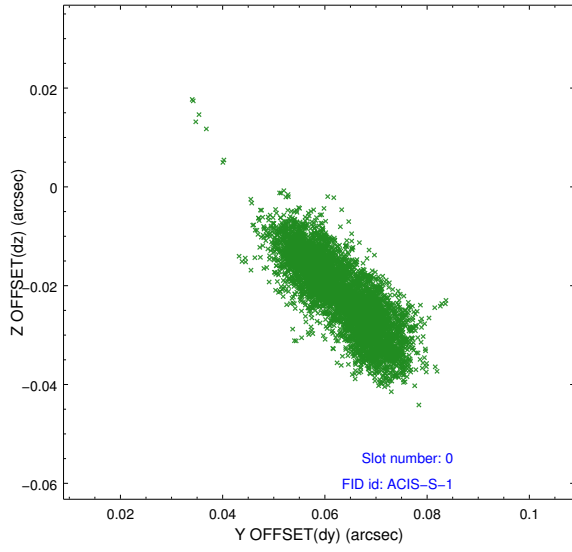


2.4.5 Slot 7

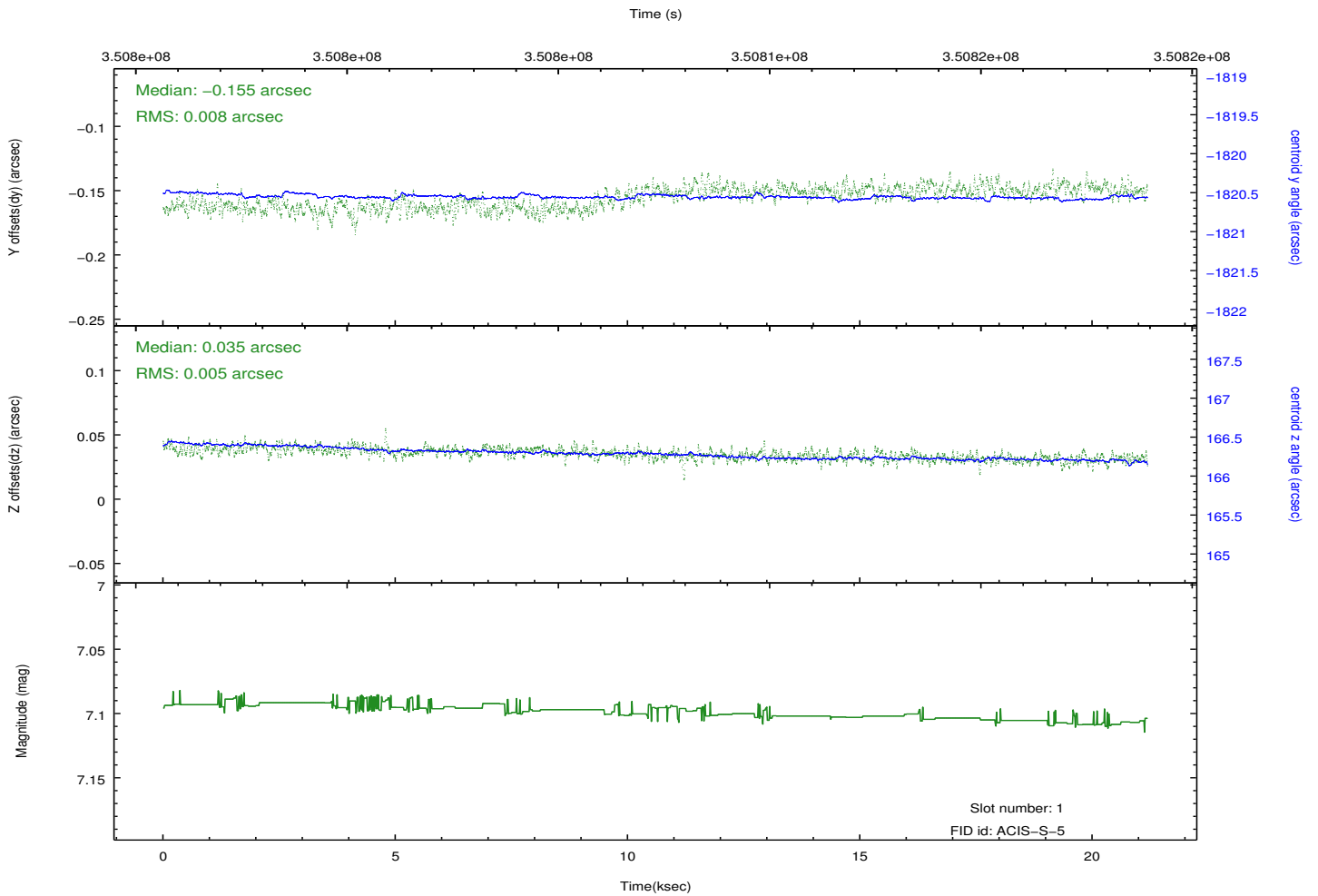
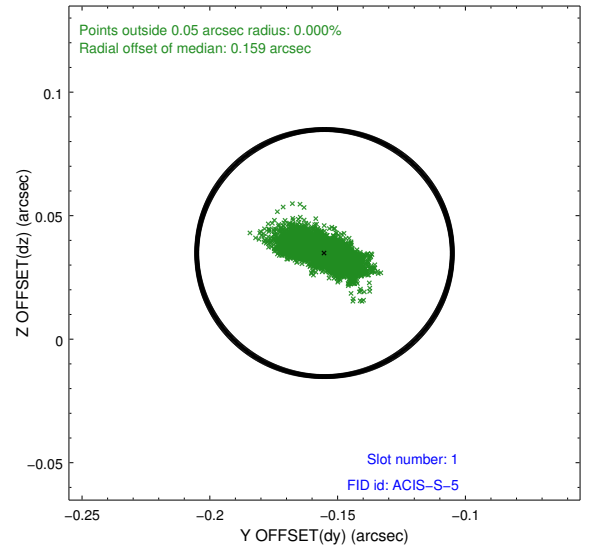
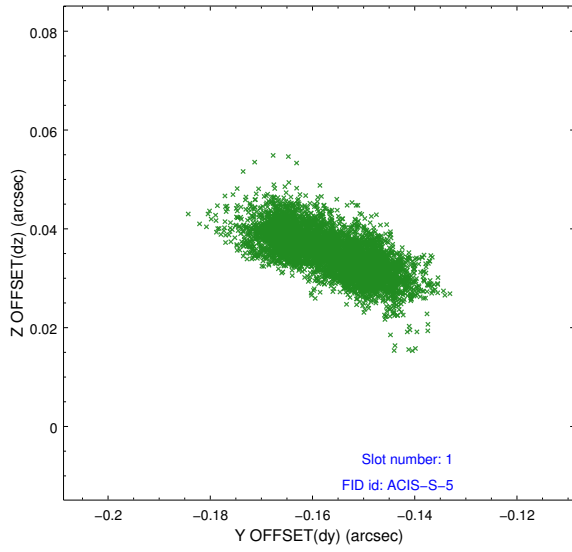


2.5 FID Slots

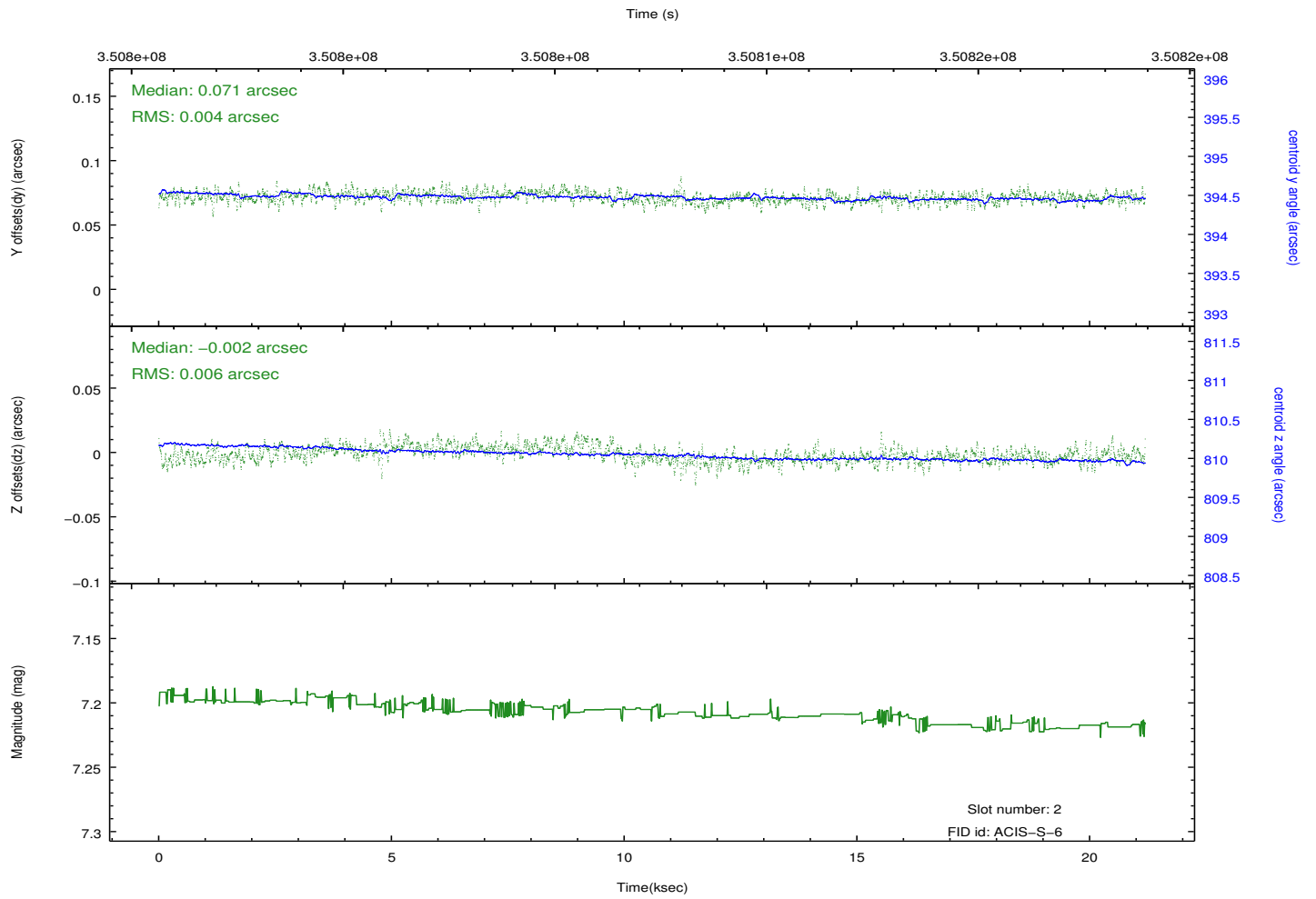
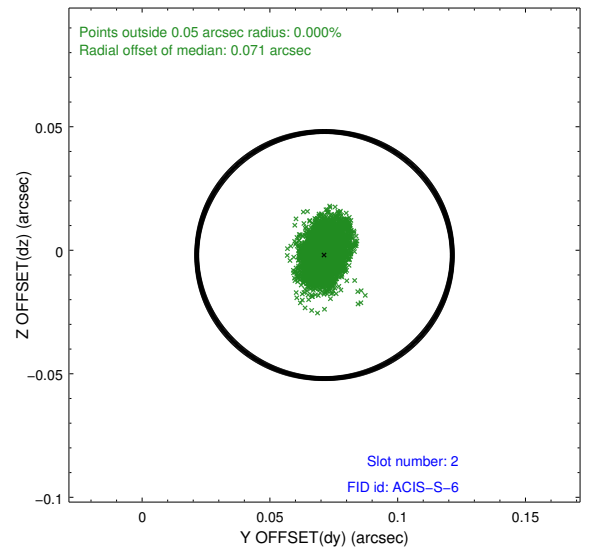
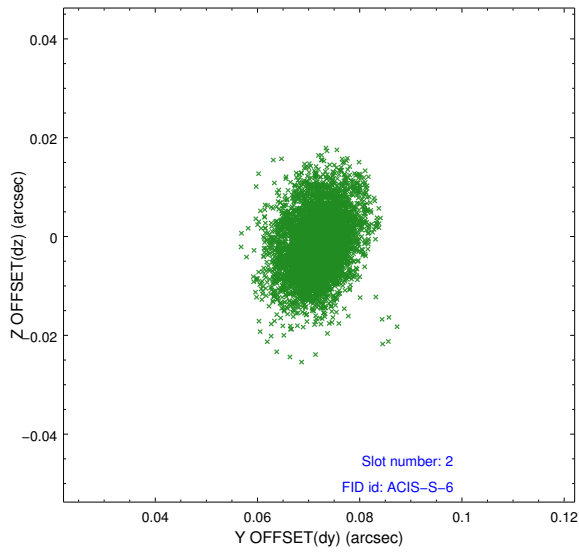
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.7551999

A.2 Comments