

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10507 - L2 Version 2
Chandra X-Ray Center

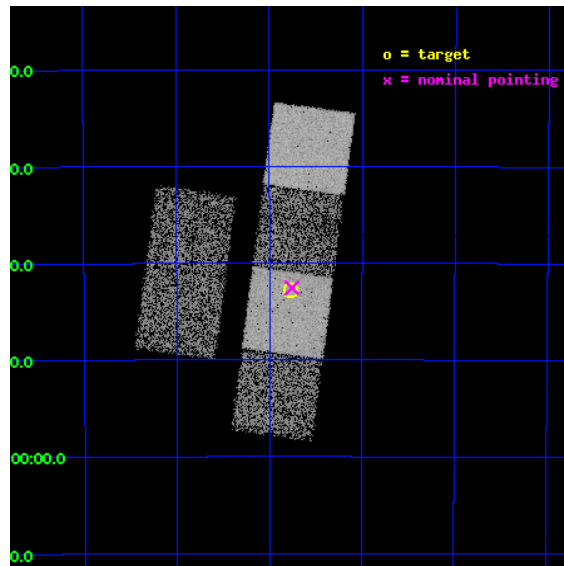
L2 Processing Date : May 30 2012

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1 Front

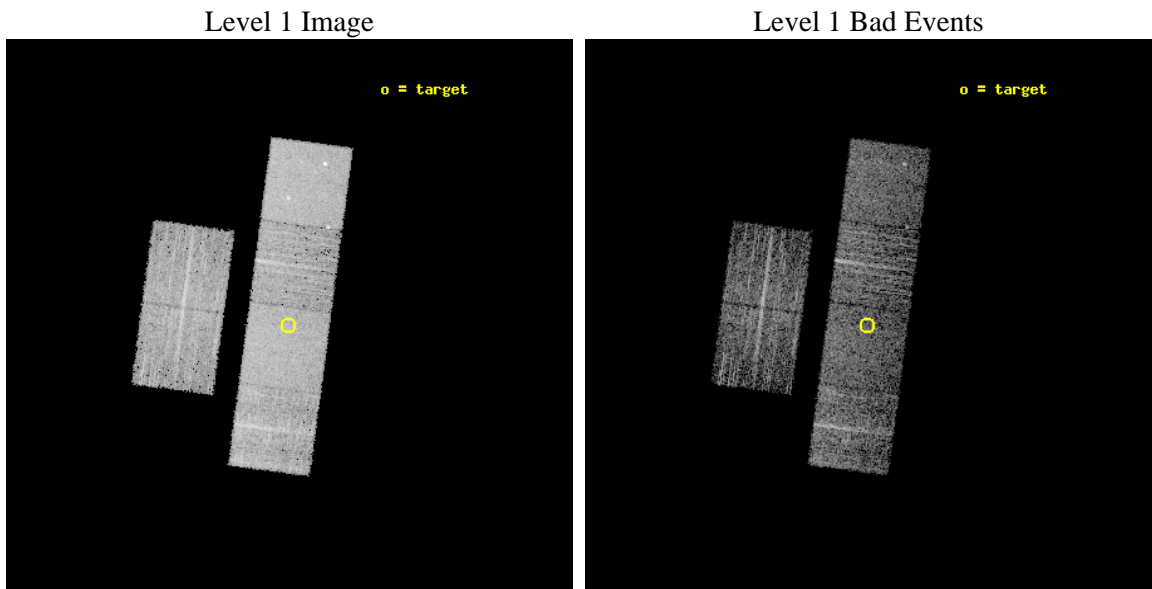
seq_num	900875	Sequence number
obs_id	10507	Observation id
title	ChIcAGO: Chandra Identification of ASCA Galactic Objects	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	AX J162046-4942	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.194167	Observer's specified target RA [deg]
dec_targ	-49.713	Observer's specified target Dec [deg]
ra_nom	245.1893787889	Nominal RA [deg]
dec_nom	-49.709433610863	Nominal Dec [deg]
roll_nom	97.529582794635	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3375.999987483	Sum of GTIs [s]
livetime	3333.2510428584	Livetime [s]
ontime2	3375.999987483	Sum of GTIs [s]
ontime3	3375.999987483	Sum of GTIs [s]
ontime5	3375.999987483	Sum of GTIs [s]
ontime6	3375.999987483	Sum of GTIs [s]
ontime7	3375.999987483	Sum of GTIs [s]
ontime8	3375.999987483	Sum of GTIs [s]
l2events	58479	Number of level 2 events



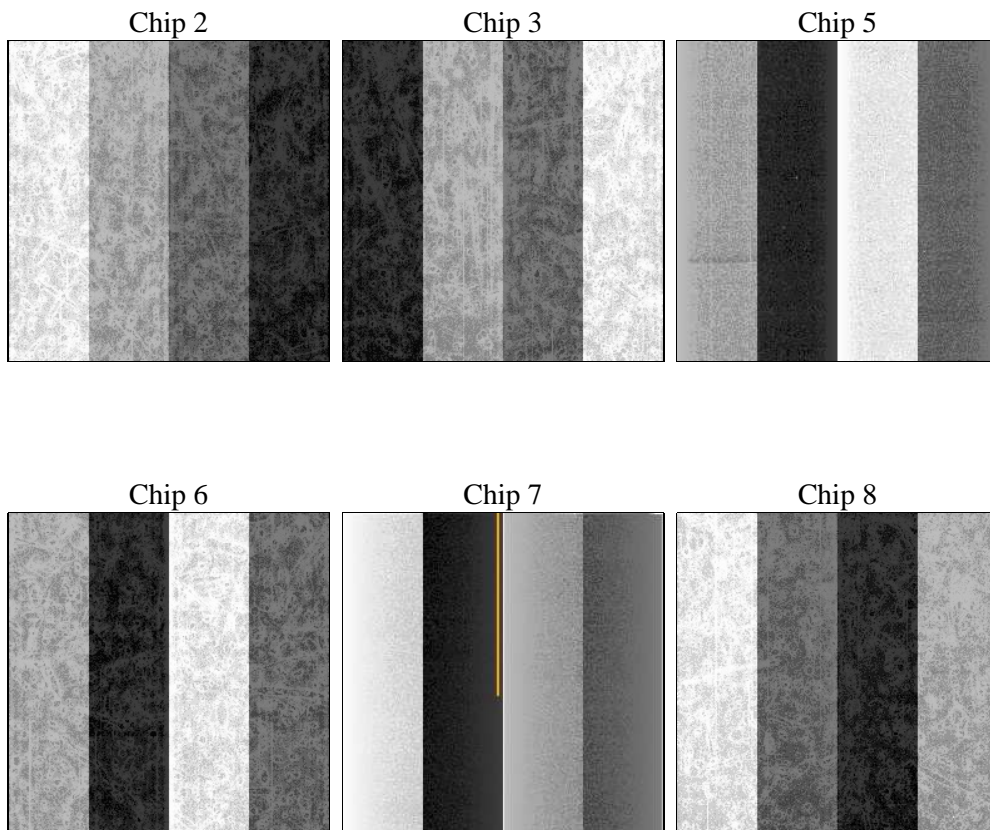
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3375.999987483	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	3375.999987483	Sum of GTIs [s]
date	2012-05-30T05:50:31	Date and time of file creation	ontime3	3375.999987483	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3375.999987483	Sum of GTIs [s]
			ontime6	3375.999987483	Sum of GTIs [s]
			ontime7	3375.999987483	Sum of GTIs [s]
			ontime8	3375.999987483	Sum of GTIs [s]
			l1events	252114	Number of level 1 events

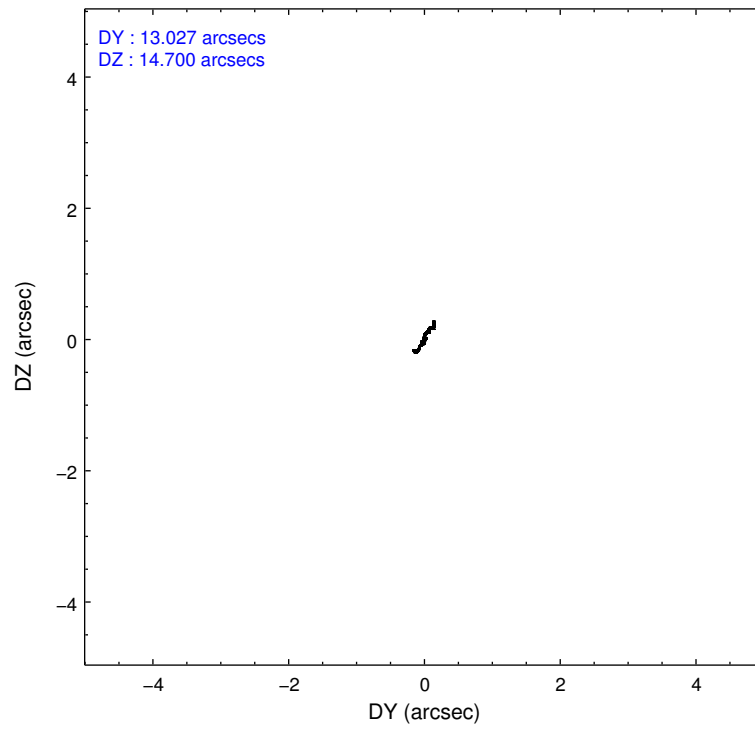
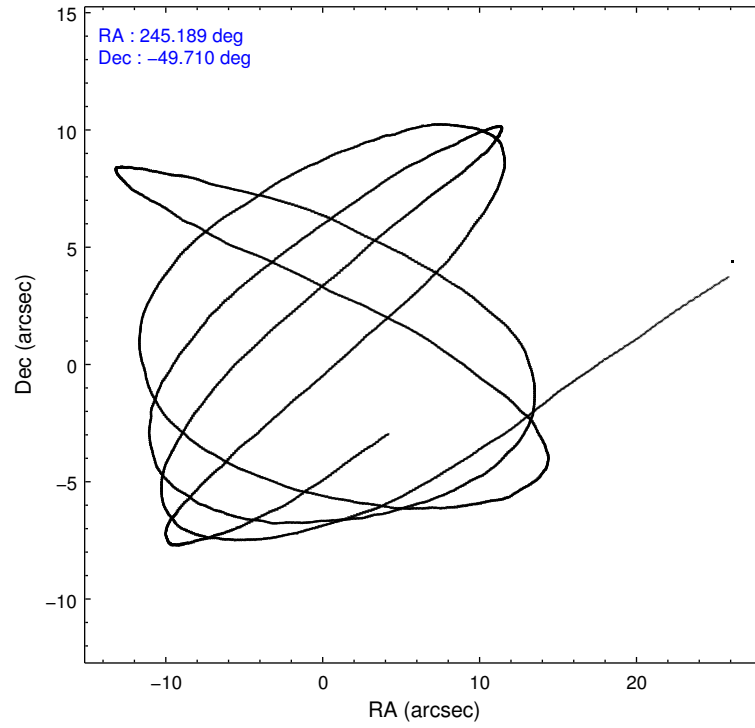
2.1.4 Events

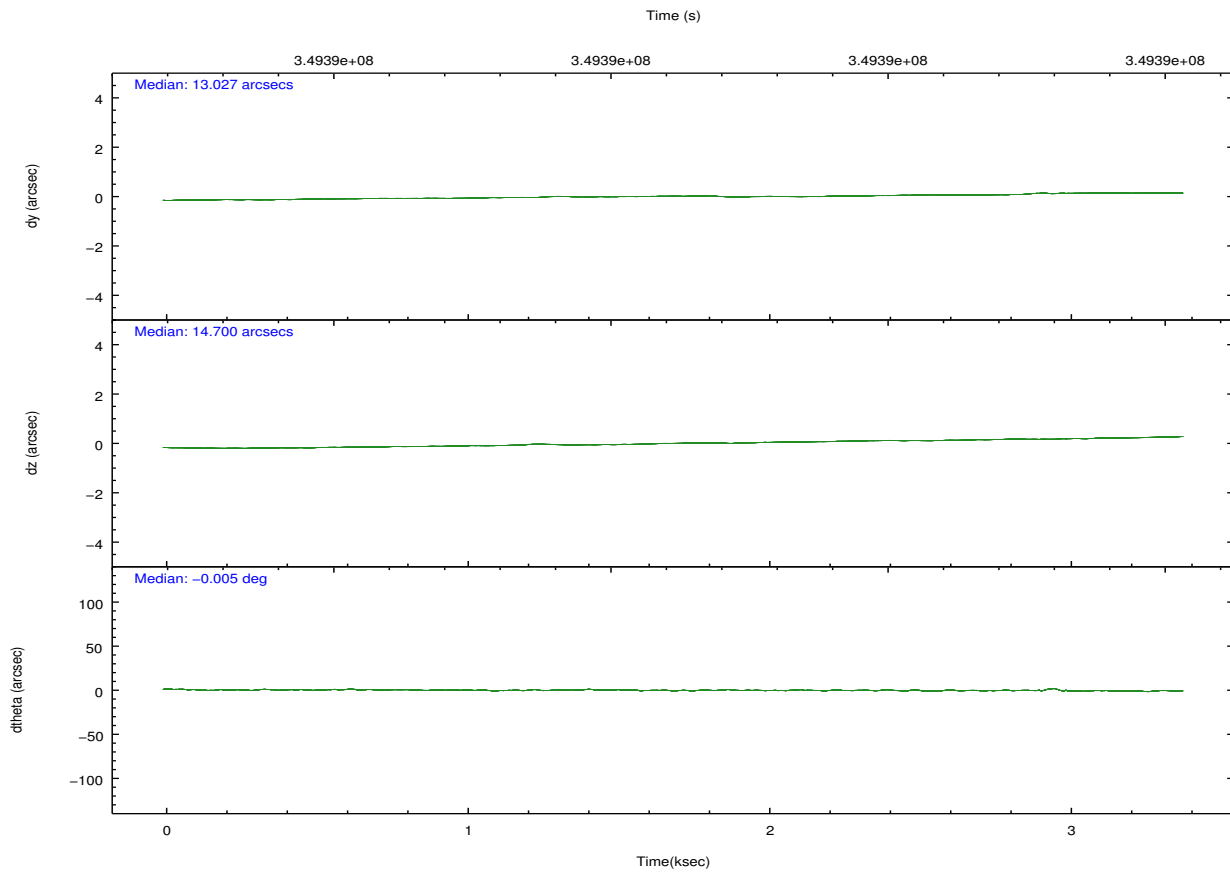
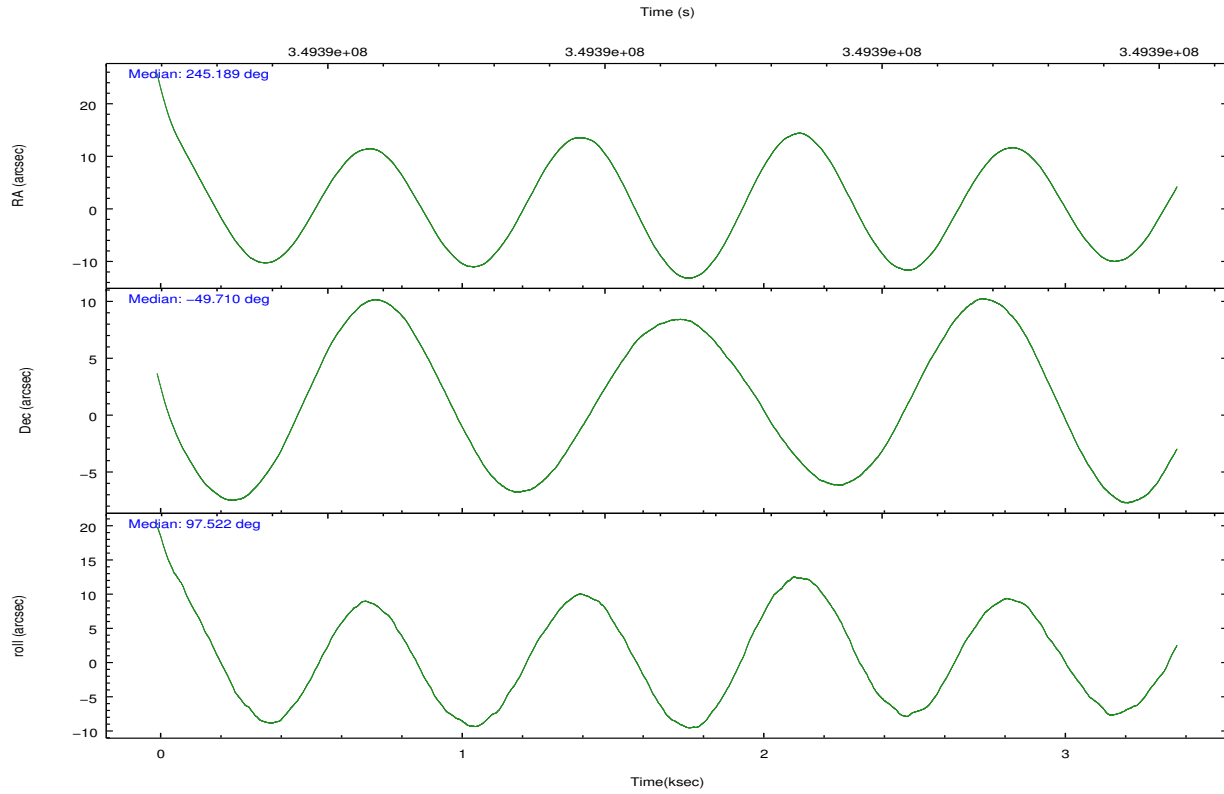
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34996	33806	54467	36045	48855	43945	grade 0 events	1899	1953	2348	1885	1869	3318
rejected events	30702	29572	29783	31660	28665	34201		5%	5%	4%	5%	3%	7%
rejected %	87%	87%	54%	87%	58%	77%	grade 1 events	23	28	163	27	59	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	963	832	7949	951	4226	2126
								2%	2%	14%	2%	8%	4%
							grade 3 events	381	375	894	421	1777	1017
								1%	1%	1%	1%	3%	2%
							grade 4 events	407	418	838	381	1720	901
								1%	1%	1%	1%	3%	2%
							grade 5 events	1508	1673	3767	1734	4448	2244
								4%	4%	6%	4%	9%	5%
							grade 6 events	730	733	13164	843	11008	2623
								2%	2%	24%	2%	22%	5%
							grade 7 events	29085	27794	25344	29803	23748	31682
								83%	82%	46%	82%	48%	72%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	245.215659	245.1893787888958	CCD I2 on	O2	Y
[deg] Pointing Dec	-49.730690	-49.70943361086267	CCD I3 on	O3	Y
[deg] Pointing Roll	97.393005	97.52958279463458	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	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	349388715.184000	349387610.08312	CCD S5 on	N	N
Observation start date	2009-01-26T20:24:09	2009-01-26T20:06:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	349391915.184000	349392333.79585	On-chip summing requested	N	N
Observation end date	2009-01-26T21:17:29	2009-01-26T21:25:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



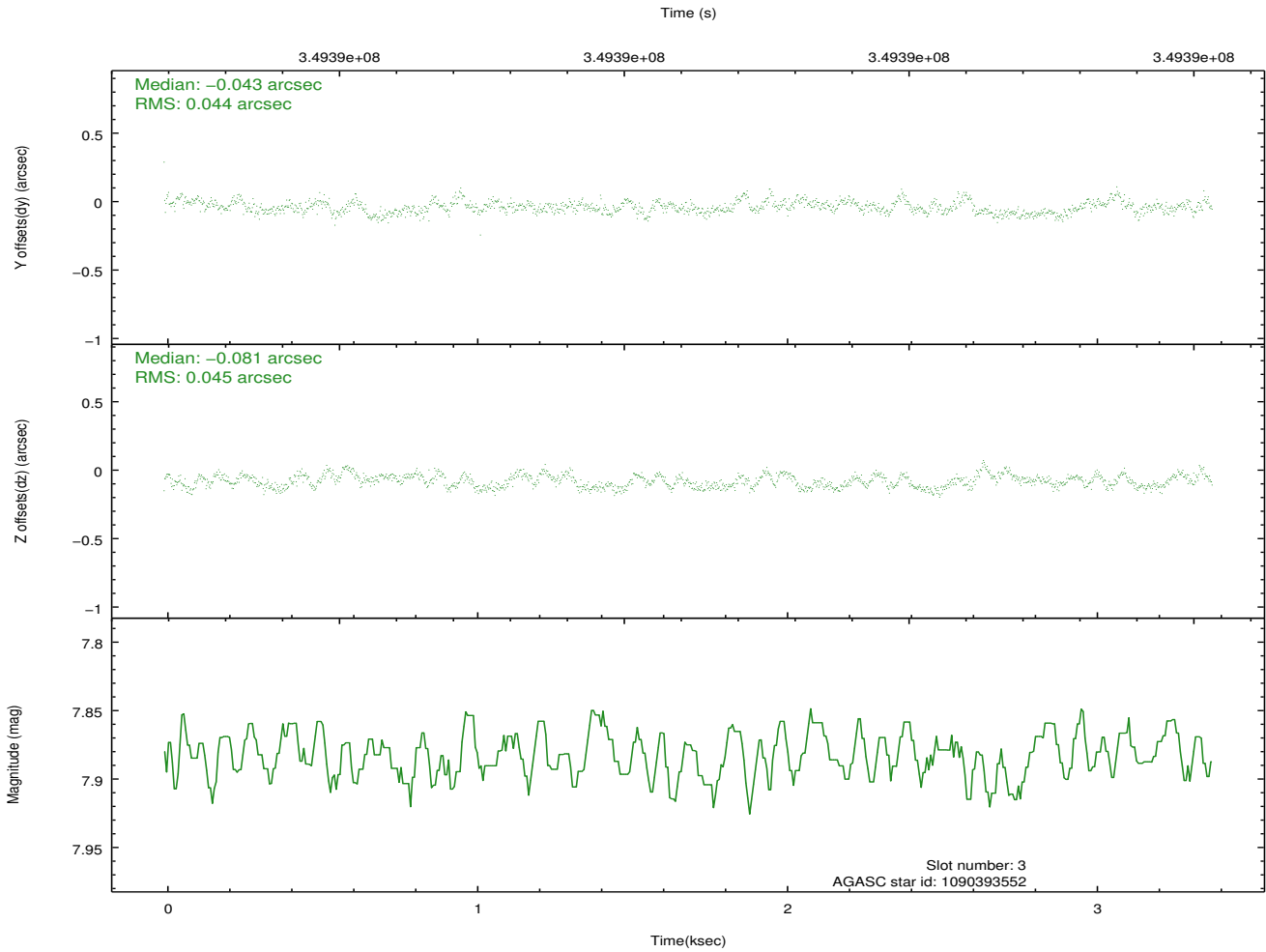
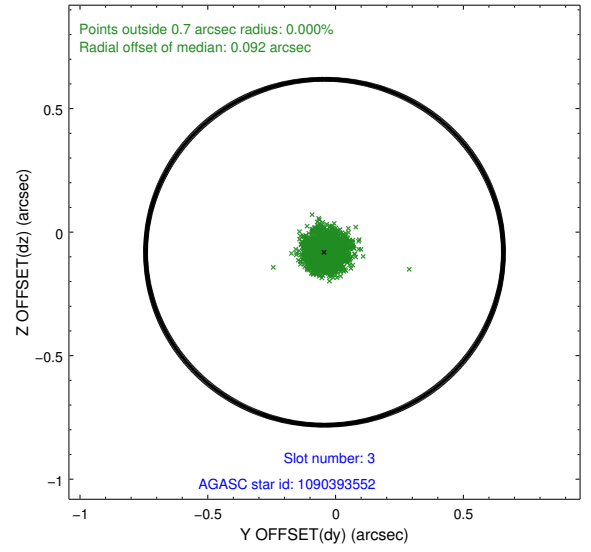
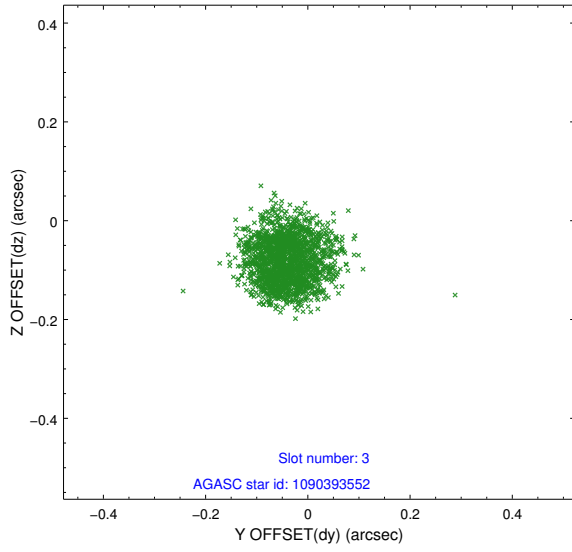


Slot Statistics

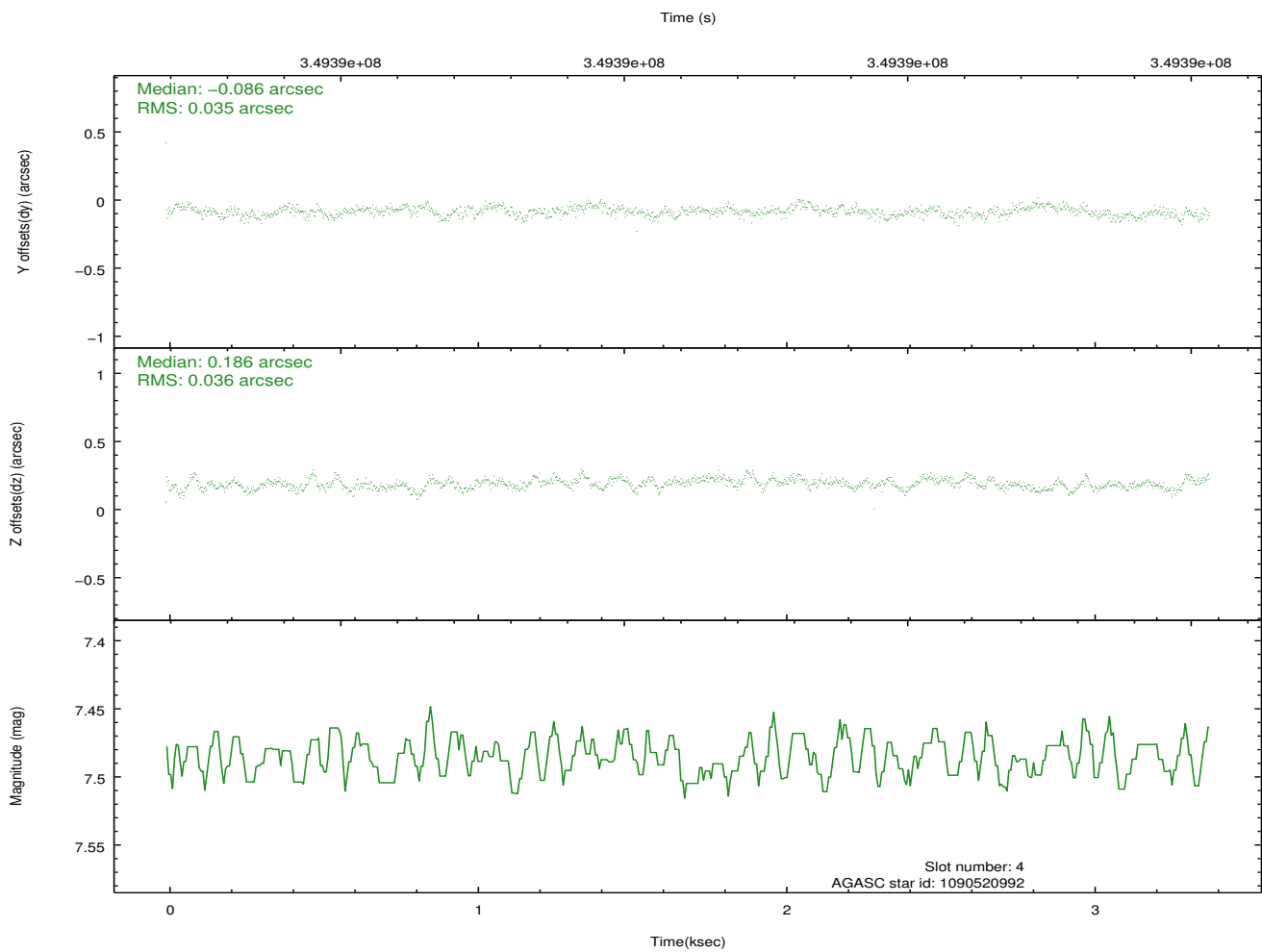
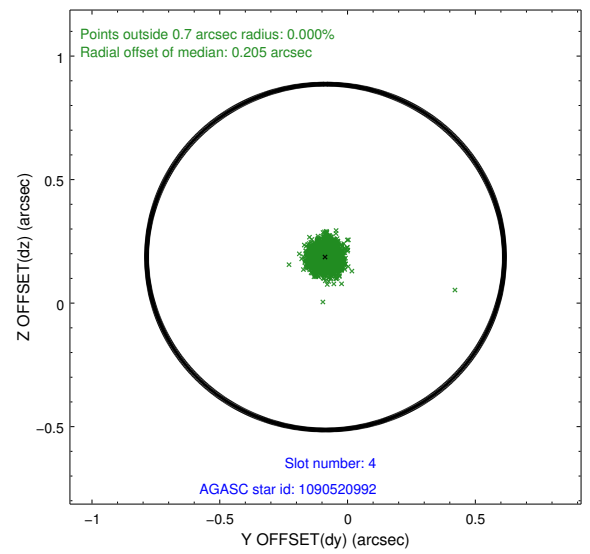
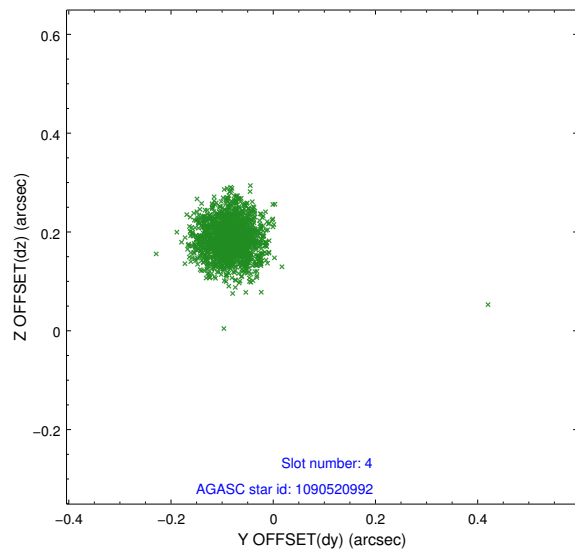
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	825	-0.050	-0.030	0.008	0.016	0.000000	0.000000	-765.97	-1736.06
1	FID	ACIS-S-4	6.98	825	0.173	0.032	0.007	0.013	0.000000	0.000000	2146.65	170.57
2	FID	ACIS-S-5	7.02	825	-0.155	0.006	0.008	0.015	0.000000	0.000000	-1816.54	166.30
3	GUIDE	1090393552	7.88	1651	-0.043	-0.081	0.068	0.102	244.664084	-49.413876	1293.24	1134.84
4	GUIDE	1090520992	7.49	1651	-0.086	0.186	0.052	0.082	245.489527	-49.662443	161.98	-663.66
5	GUIDE	1090522688	8.04	1651	-0.147	0.234	0.059	0.096	245.358664	-49.397960	1145.28	-486.60
6	GUIDE	1090523368	9.15	1650	0.222	-0.018	0.090	0.140	245.173503	-50.148014	-1475.89	289.19
7	GUIDE	1090391056	7.65	1650	0.056	-0.326	0.066	0.105	244.221245	-49.856754	-168.85	2348.88

2.4 Star Slots

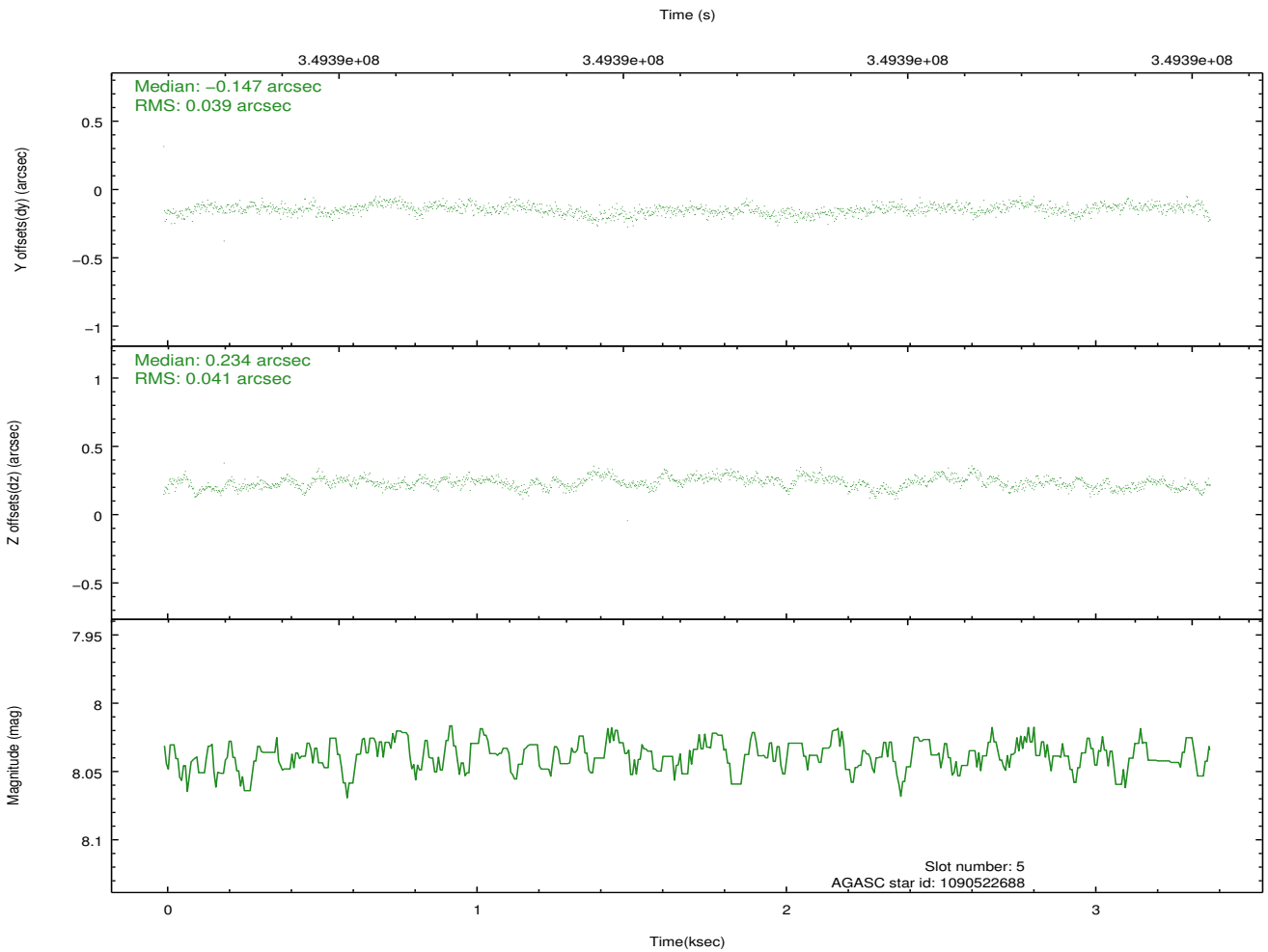
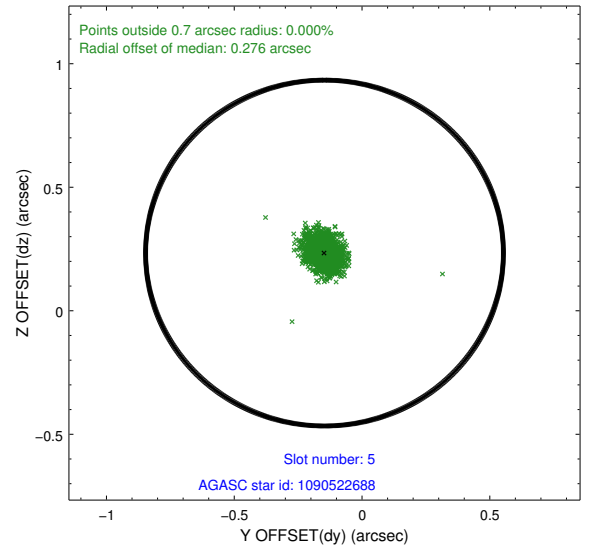
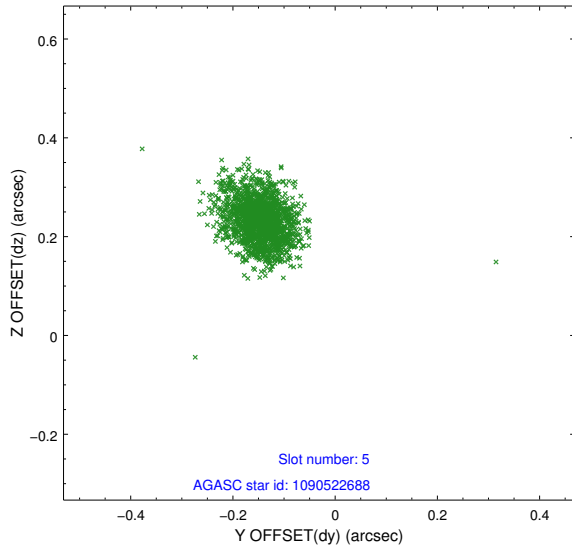
2.4.1 Slot 3



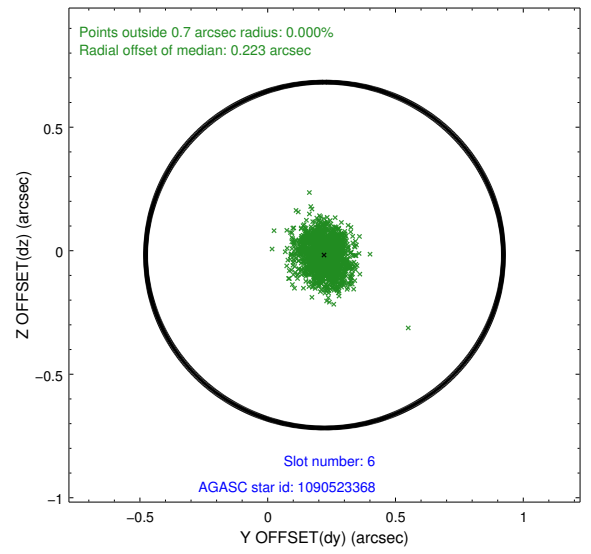
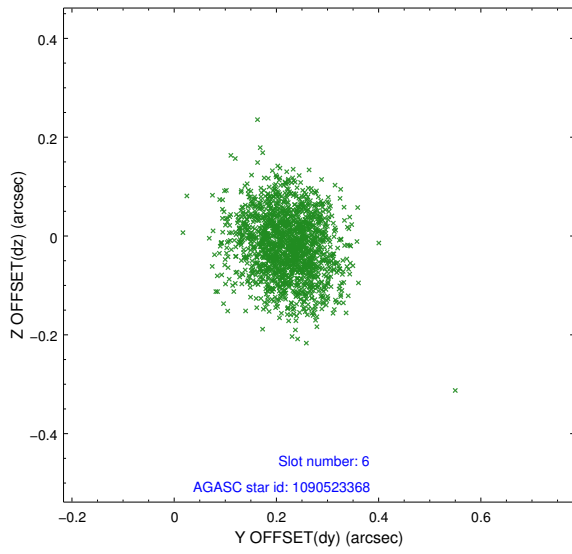
2.4.2 Slot 4



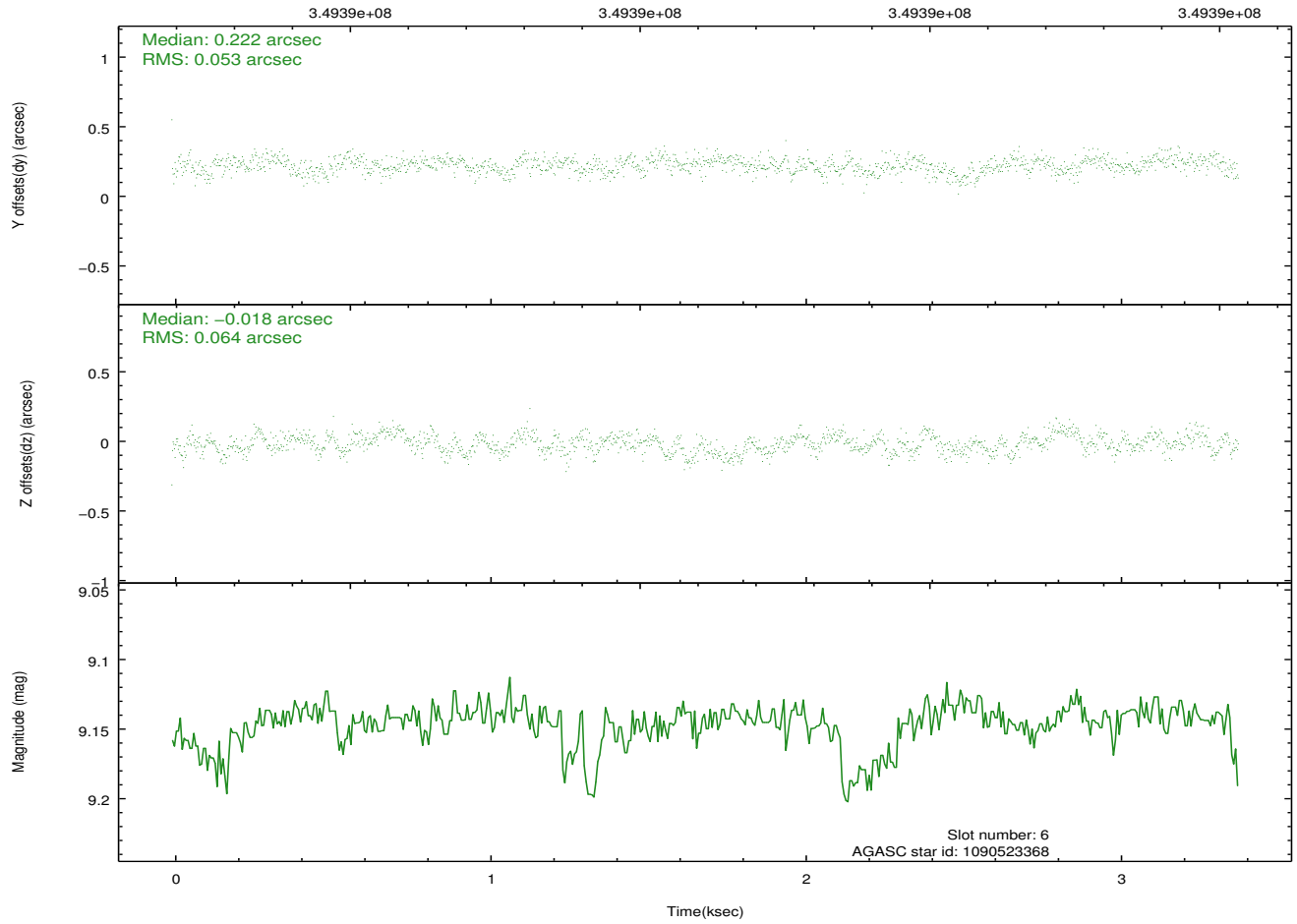
2.4.3 Slot 5



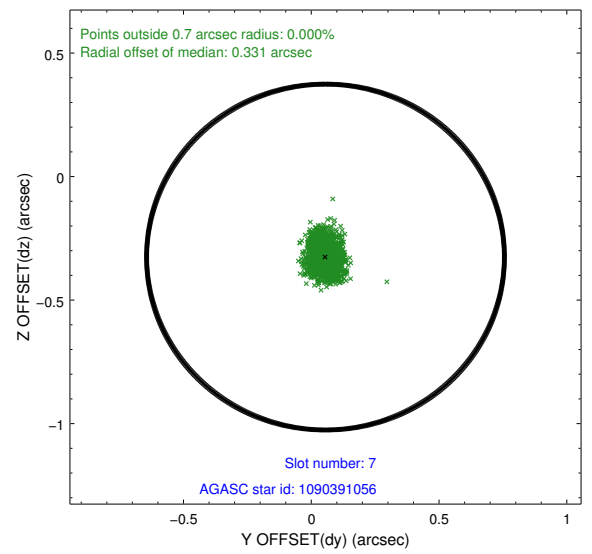
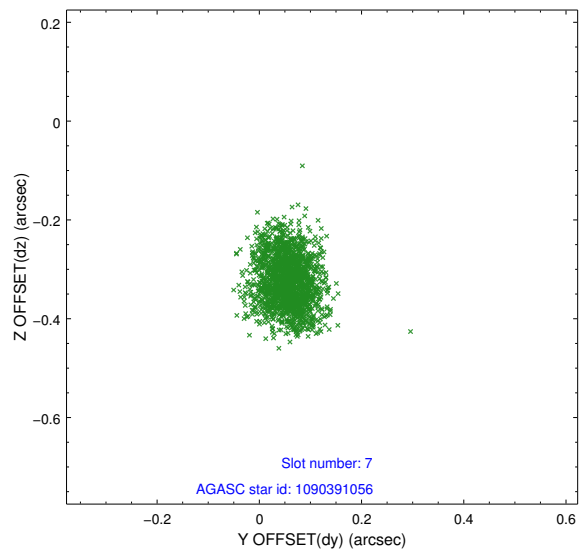
2.4.4 Slot 6



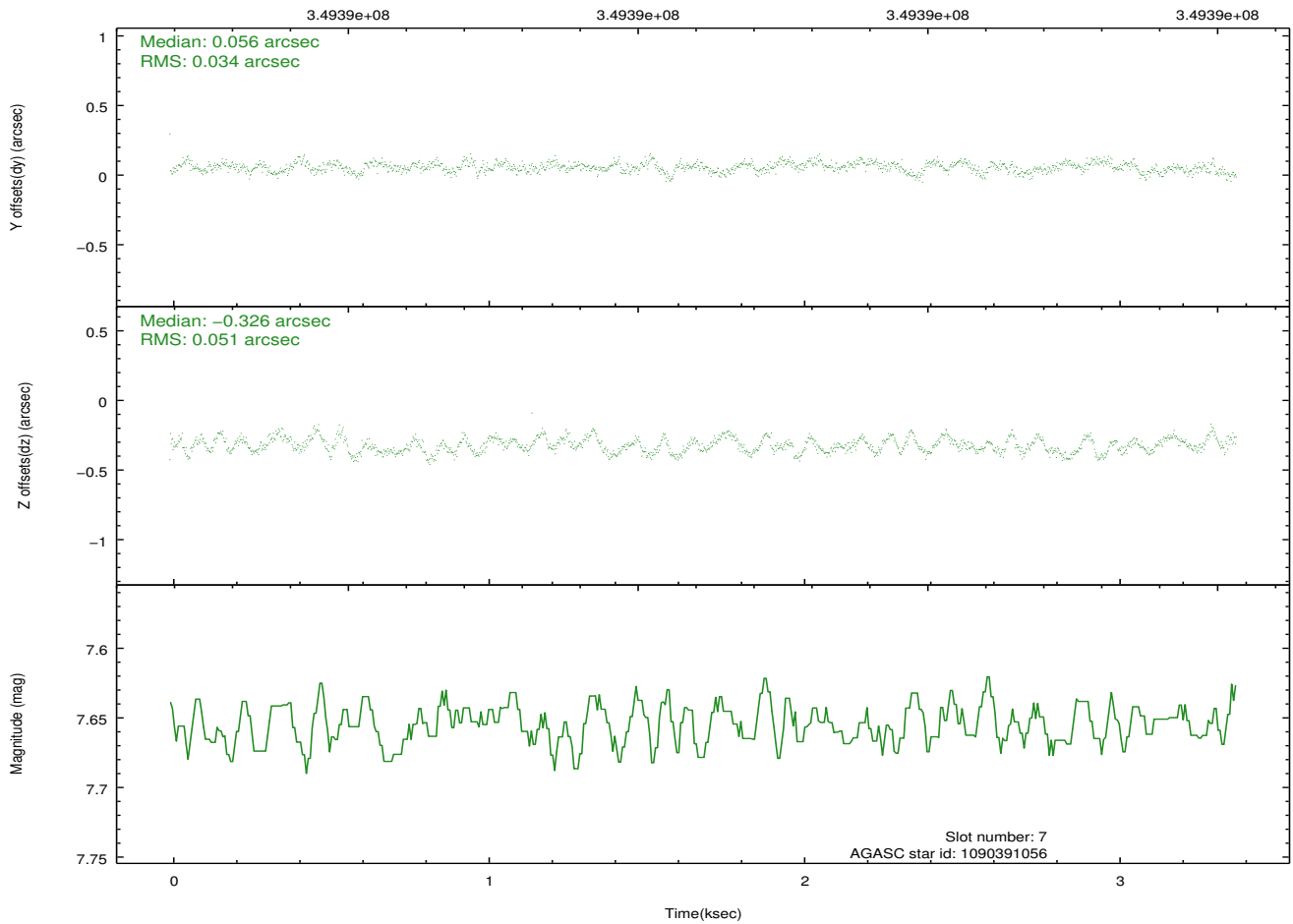
Time (s)



2.4.5 Slot 7

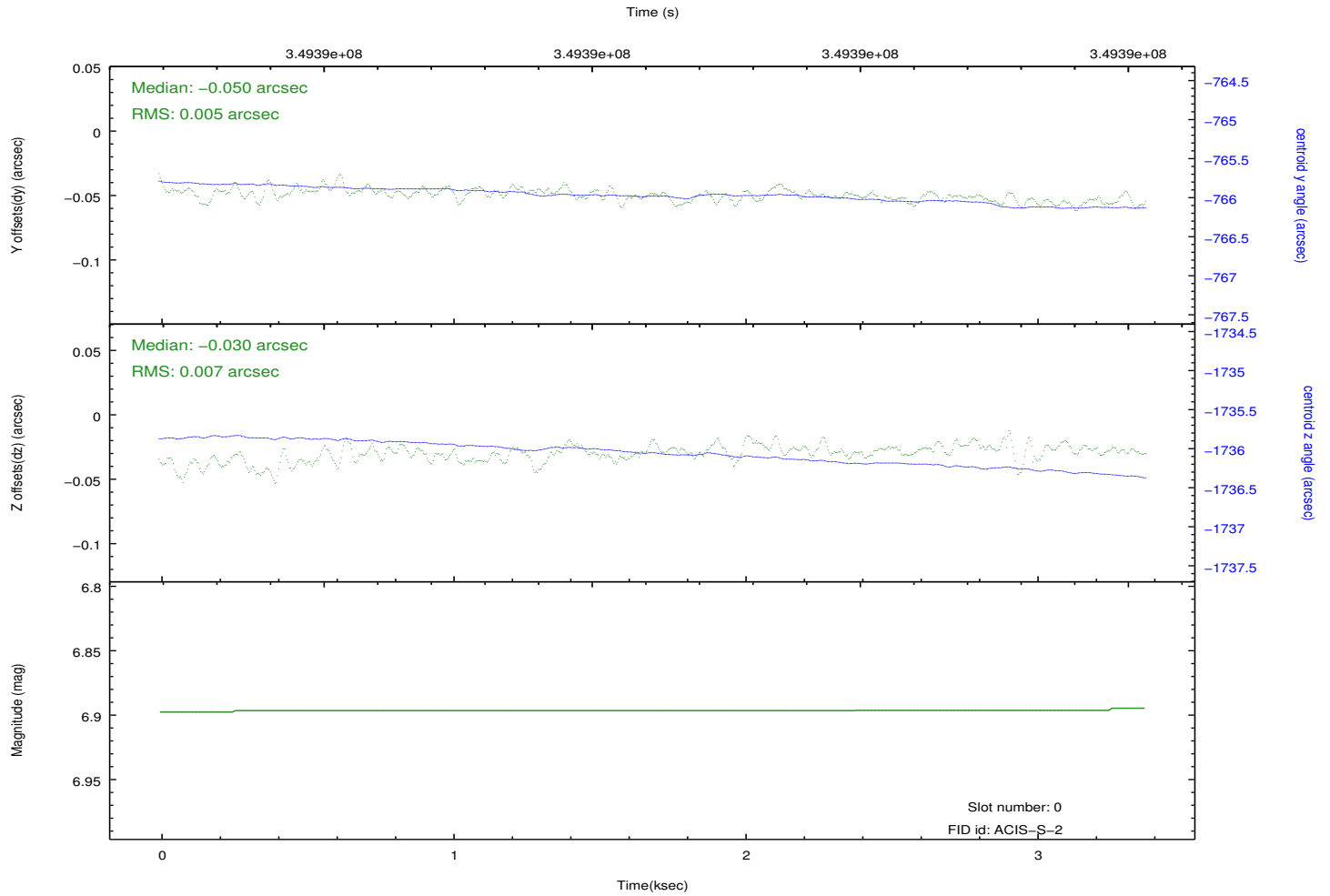
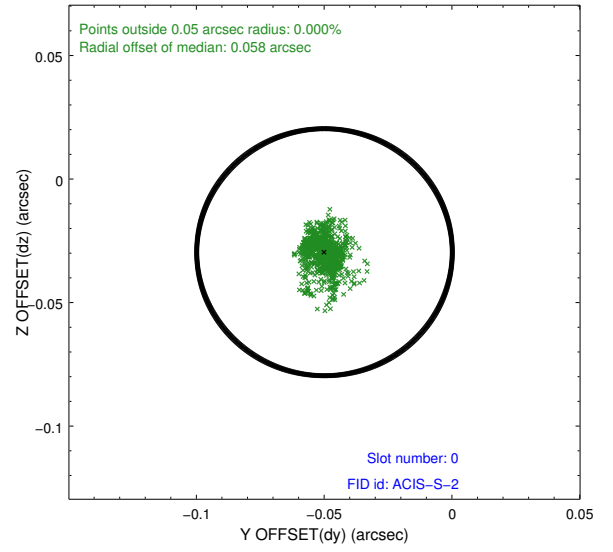
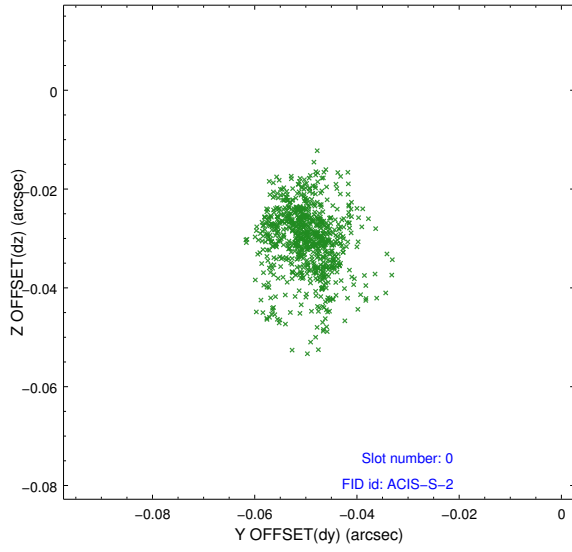


Time (s)

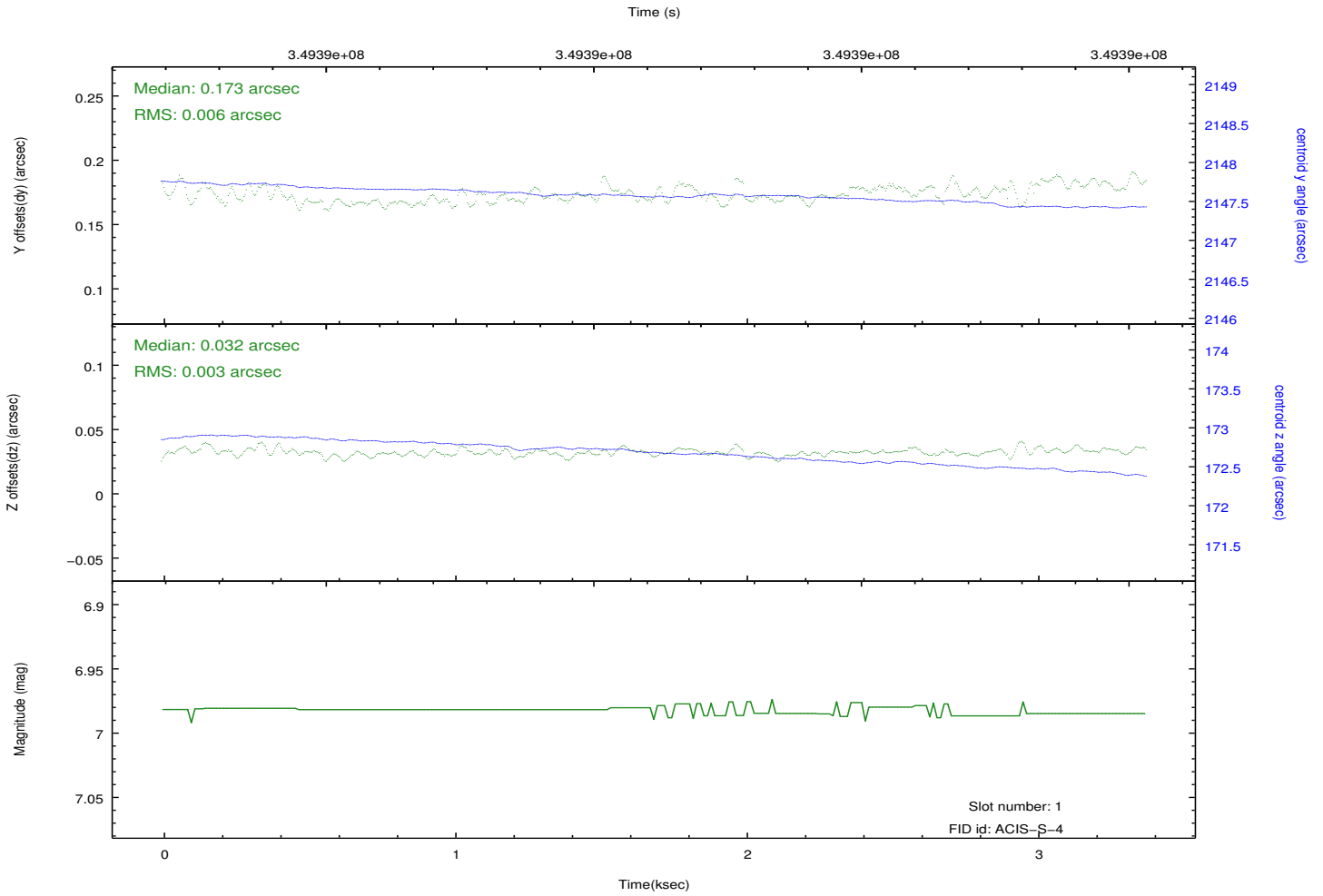
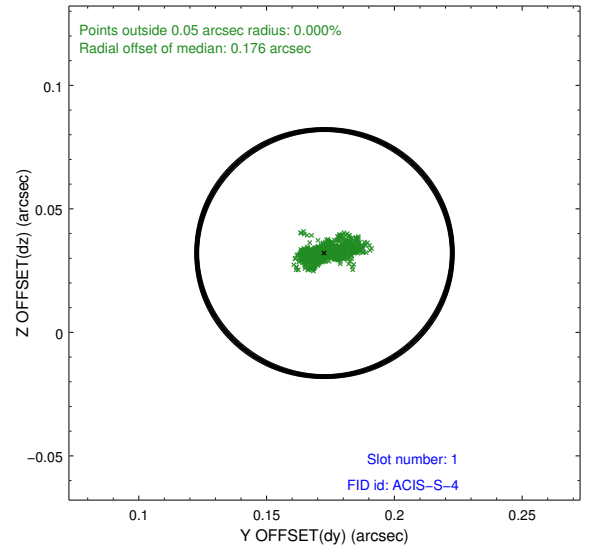
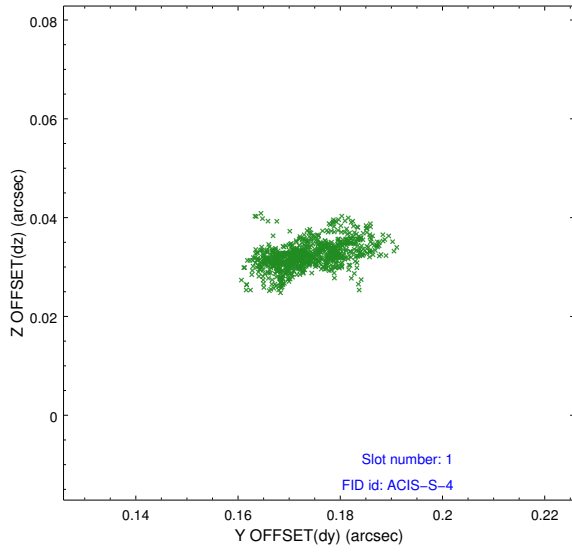


2.5 FID Slots

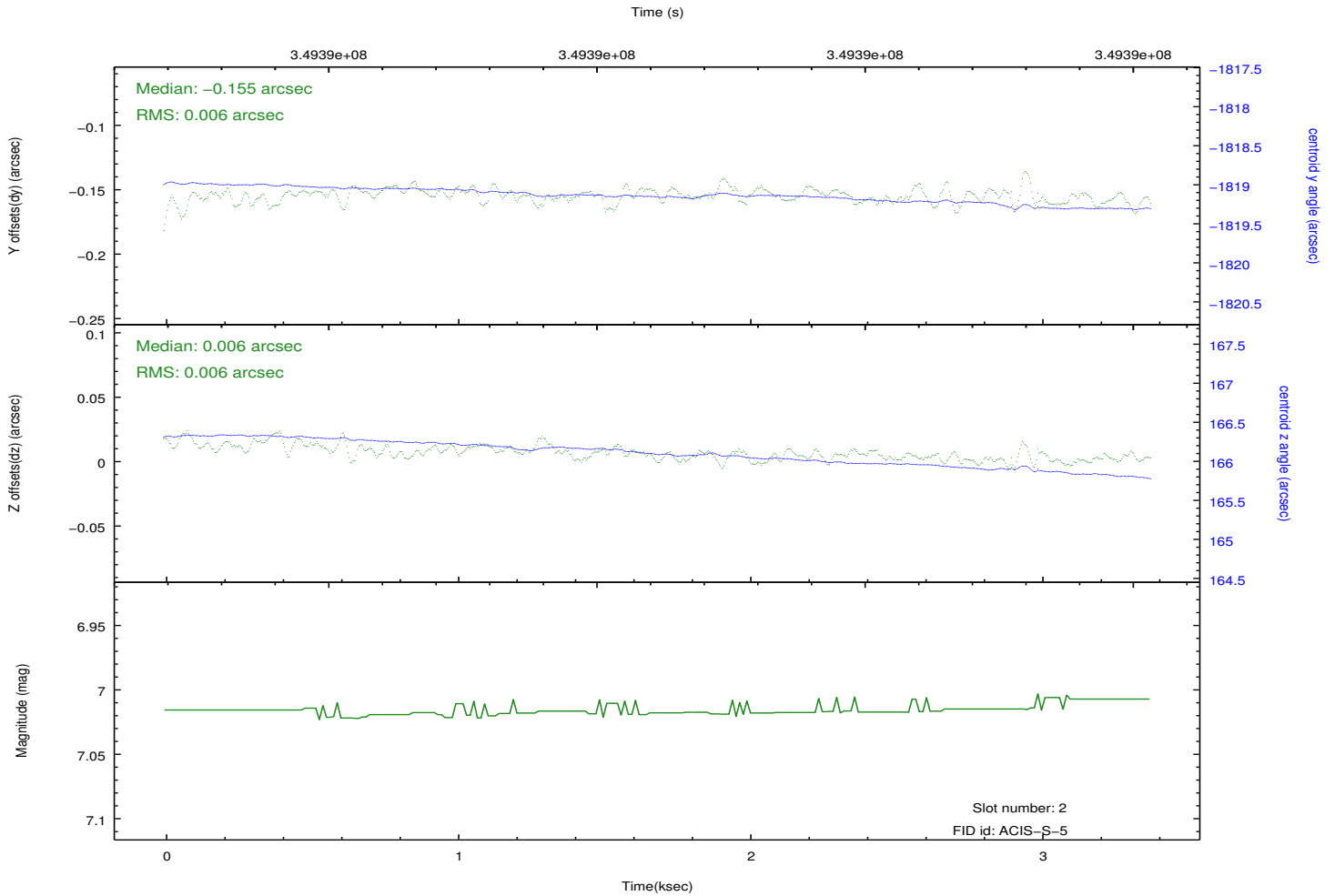
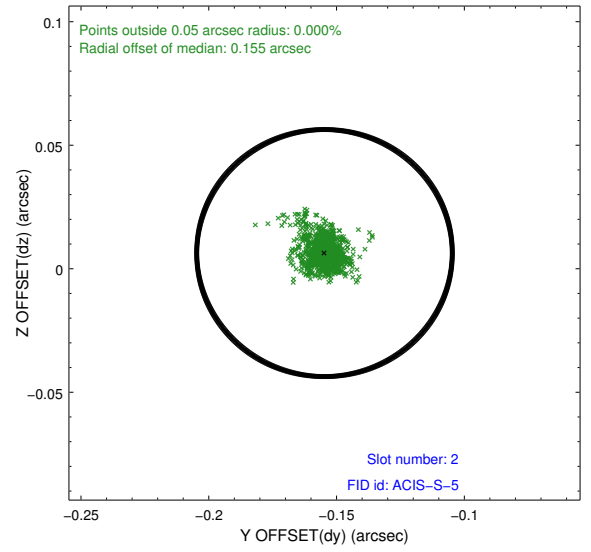
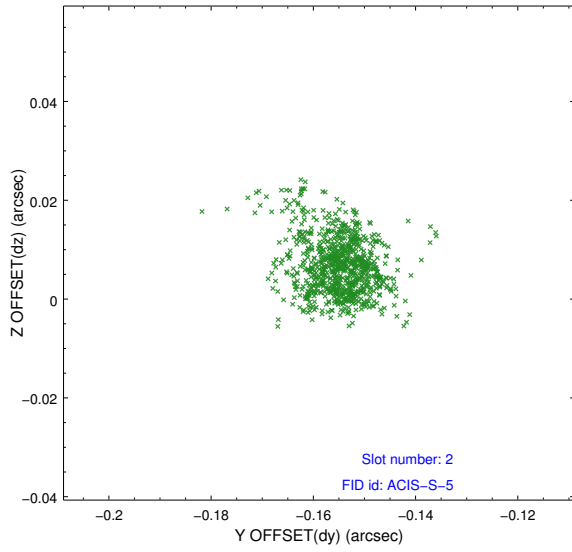
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.37599998

A.2 Comments