

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12968 - L2 Version 2
Chandra X-Ray Center

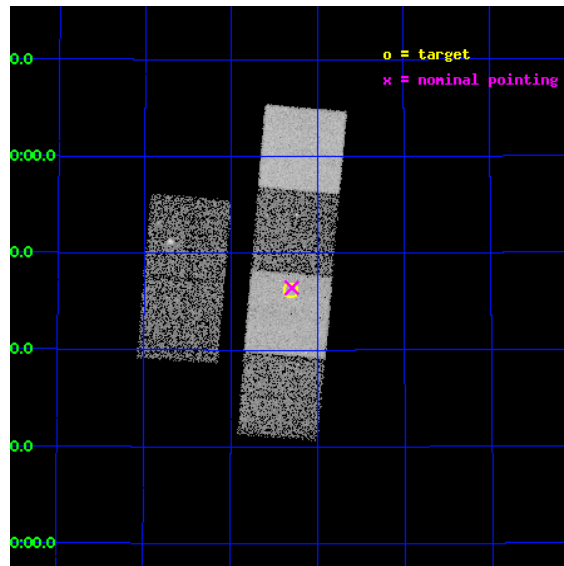
L2 Processing Date : Jul 8 2012

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1 Front

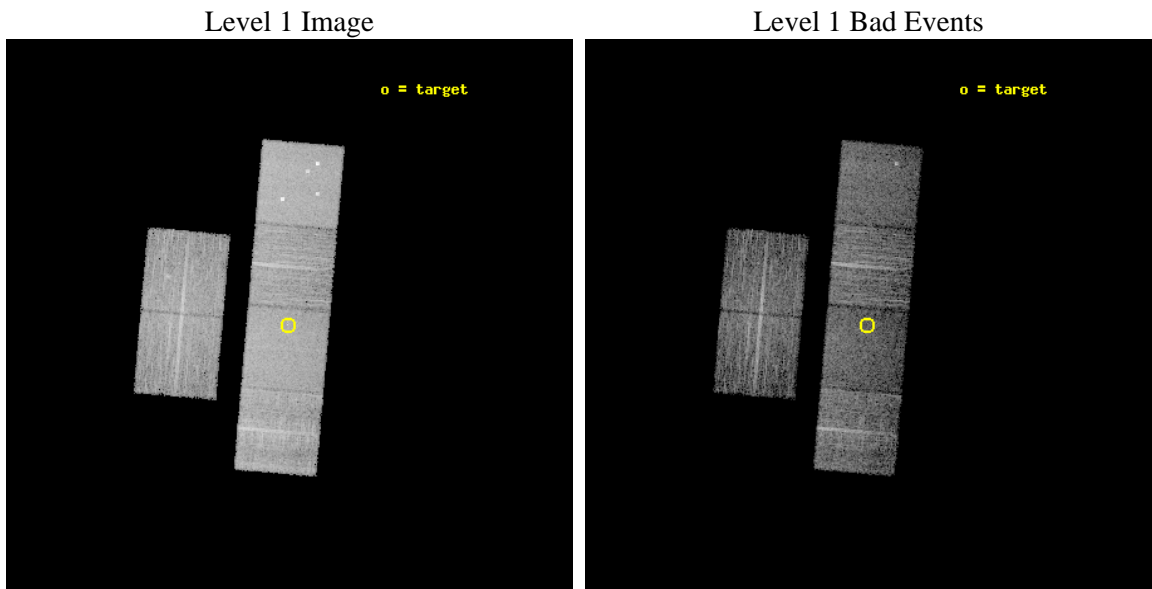
seq_num	600936	Sequence number
obs_id	12968	Observation id
title	X-rays from Isolated Elliptical Galaxies	Proposal title
observer	Dr. DAVID BUOTE	Principal investigator
object	PGC 32033	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.079167	Observer's specified target RA [deg]
dec_targ	52.770139	Observer's specified target Dec [deg]
ra_nom	161.07431052768	Nominal RA [deg]
dec_nom	52.774013721891	Nominal Dec [deg]
roll_nom	94.959565910692	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7548.7999719381	Sum of GTIs [s]
livetime	7453.2125213518	Livetime [s]
ontime2	7548.7999719381	Sum of GTIs [s]
ontime3	7548.7999719381	Sum of GTIs [s]
ontime5	7548.7999719381	Sum of GTIs [s]
ontime6	7548.7999719381	Sum of GTIs [s]
ontime7	7548.7999719381	Sum of GTIs [s]
ontime8	7548.7999719381	Sum of GTIs [s]
l2events	88225	Number of level 2 events



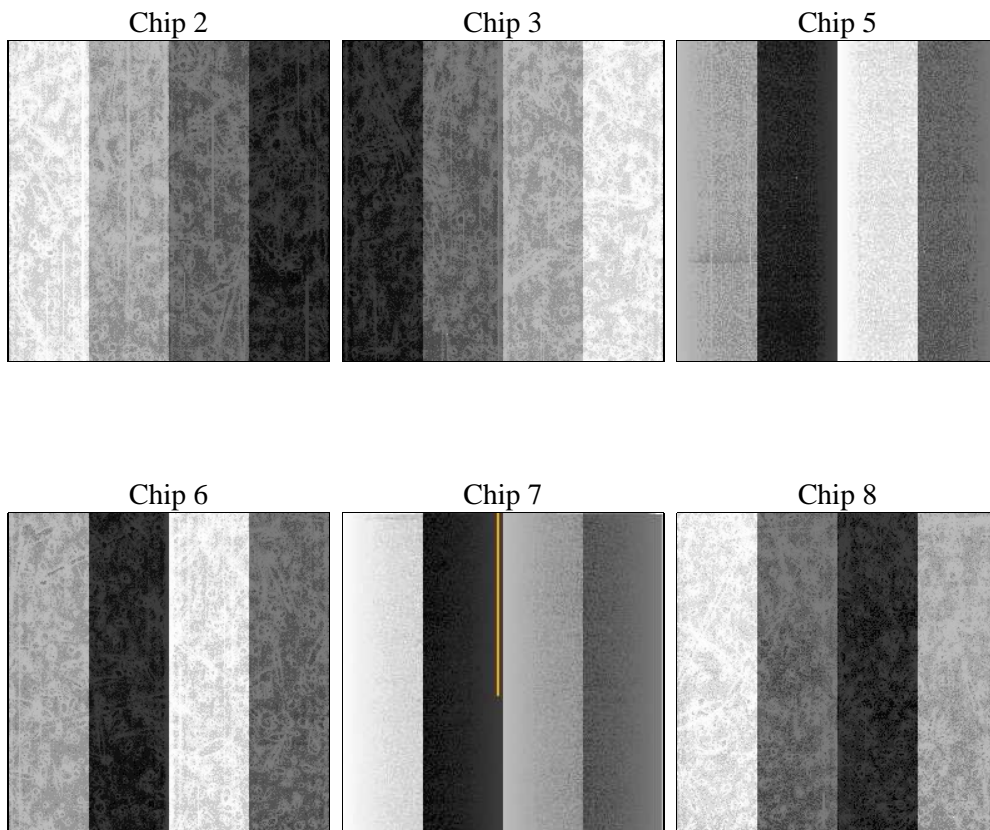
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7548.7999719381	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	7548.7999719381	Sum of GTIs [s]
date	2012-07-08T20:42:15	Date and time of file creation	ontime3	7548.7999719381	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7548.7999719381	Sum of GTIs [s]
			ontime6	7548.7999719381	Sum of GTIs [s]
			ontime7	7548.7999719381	Sum of GTIs [s]
			ontime8	7548.7999719381	Sum of GTIs [s]
			l1events	382131	Number of level 1 events

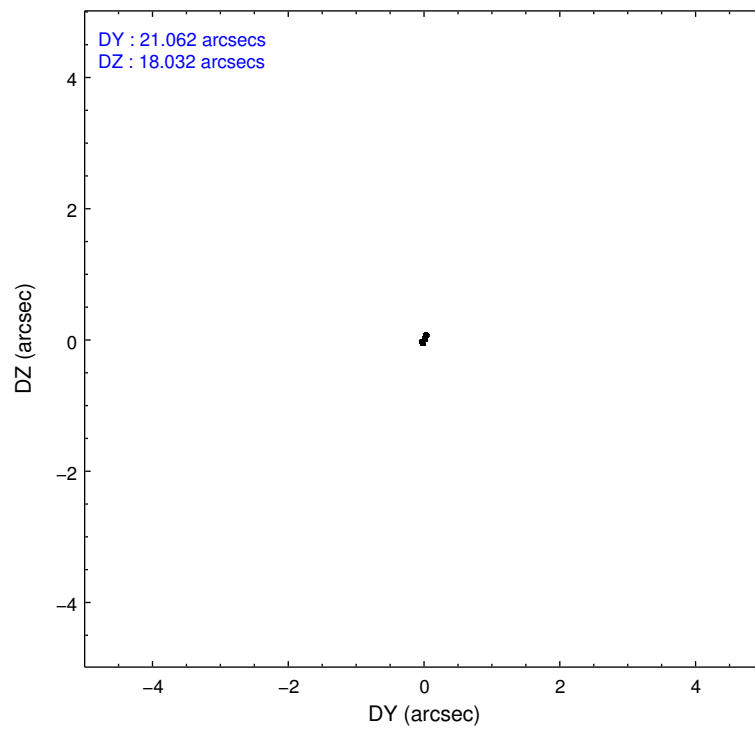
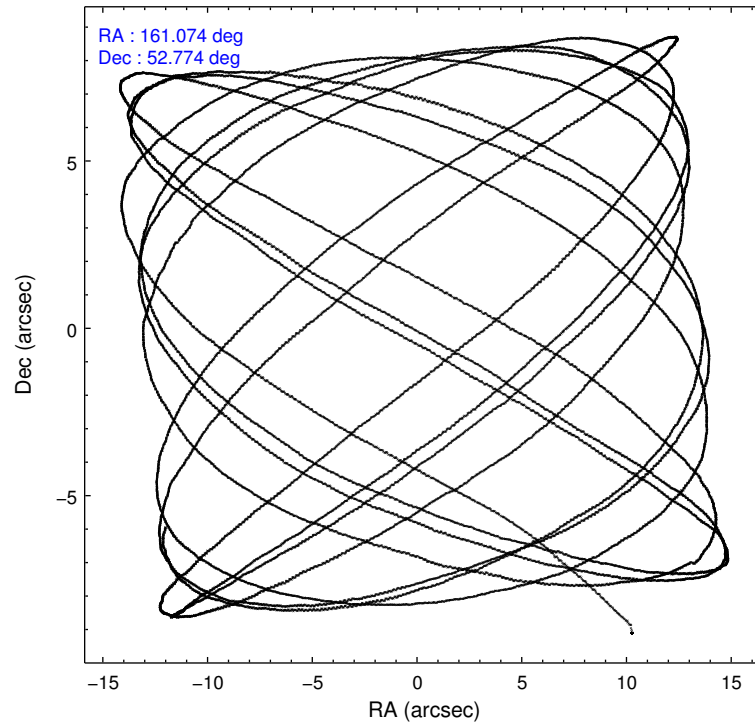
2.1.4 Events

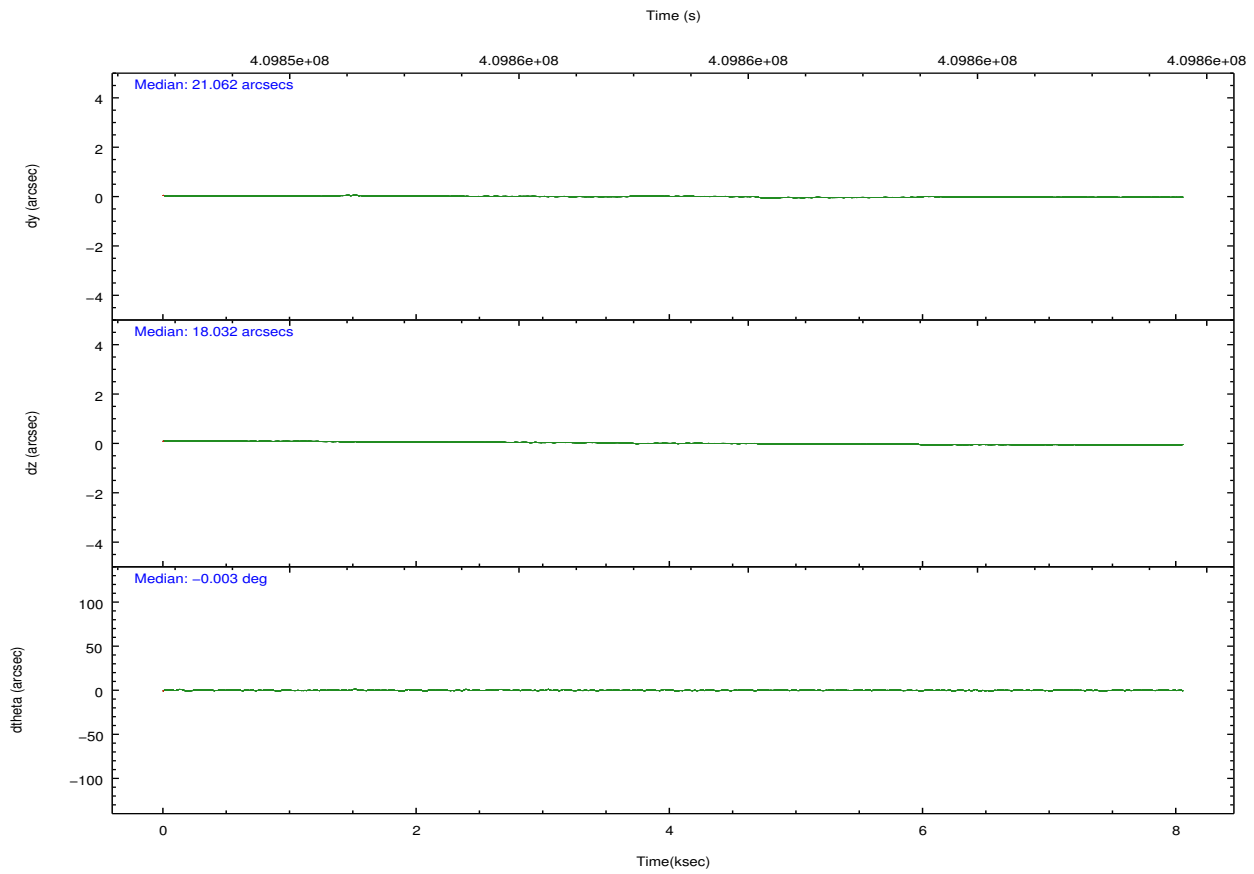
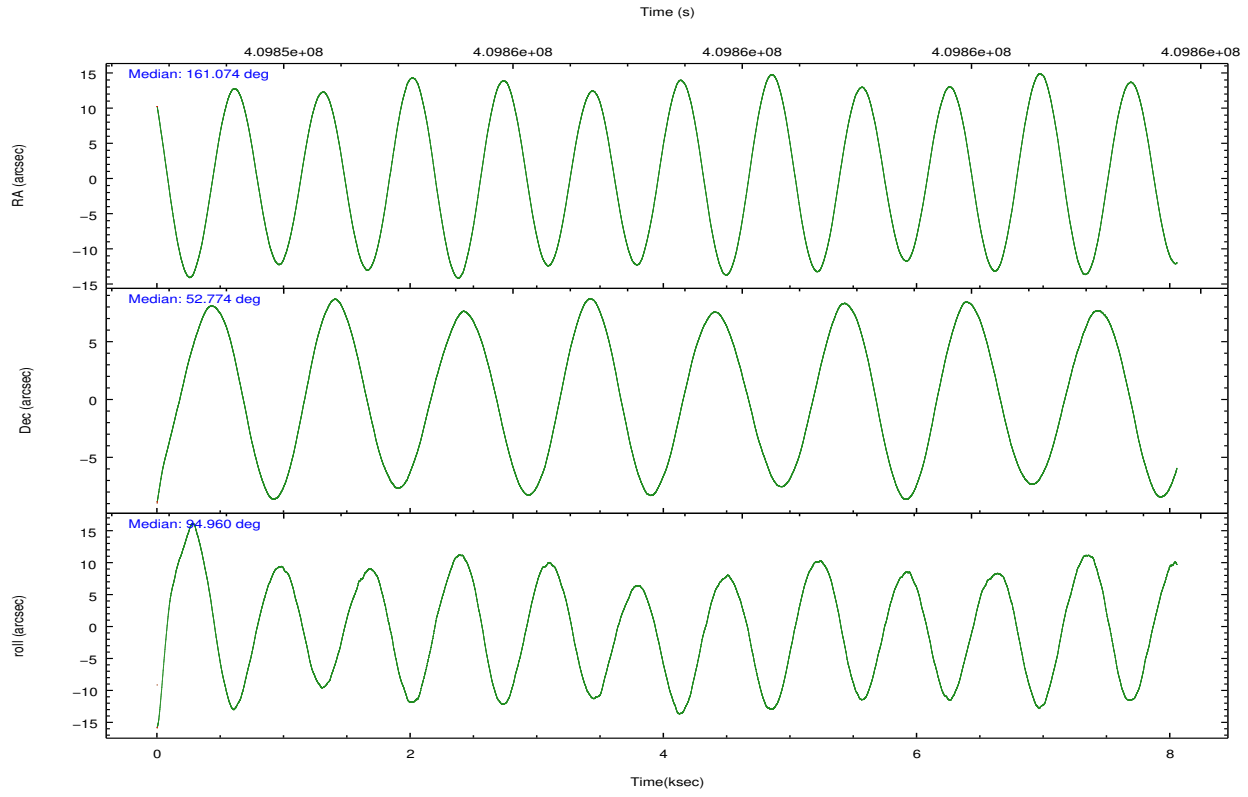
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	53433	52342	84209	56973	66936	68238	grade 0 events	2350	1790	5312	2205	2851	5034
rejected events	47285	47140	41846	50799	36574	50870		4%	3%	6%	3%	4%	7%
rejected %	88%	90%	49%	89%	54%	74%	grade 1 events	39	28	136	25	84	66
								0%	0%	0%	0%	0%	0%
							grade 2 events	1512	1152	13153	1416	6361	4034
								2%	2%	15%	2%	9%	5%
							grade 3 events	588	602	1509	630	2532	1828
								1%	1%	1%	1%	3%	2%
							grade 4 events	601	572	1405	587	2548	1742
								1%	1%	1%	1%	3%	2%
							grade 5 events	2215	2540	6276	2457	6905	3644
								4%	4%	7%	4%	10%	5%
							grade 6 events	1104	1092	21023	1347	16086	4741
								2%	2%	24%	2%	24%	6%
							grade 7 events	45024	44566	35395	48306	29569	47149
								84%	85%	42%	84%	44%	69%

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	161.100777	161.074310527676	CCD I2 on	O2	Y
[deg] Pointing Dec	52.751838	52.77401372189094	CCD I3 on	Y	Y
[deg] Pointing Roll	94.781875	94.95956591069161	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	O1	Y
[s] Observation start time (MET)	409853868.184000	409852680.37824	CCD S5 on	N	N
Observation start date	2010-12-27T16:16:42	2010-12-27T15:58:00	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	409861368.184000	409861809.54121	On-chip summing requested	N	N
Observation end date	2010-12-27T18:21:42	2010-12-27T18:30:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



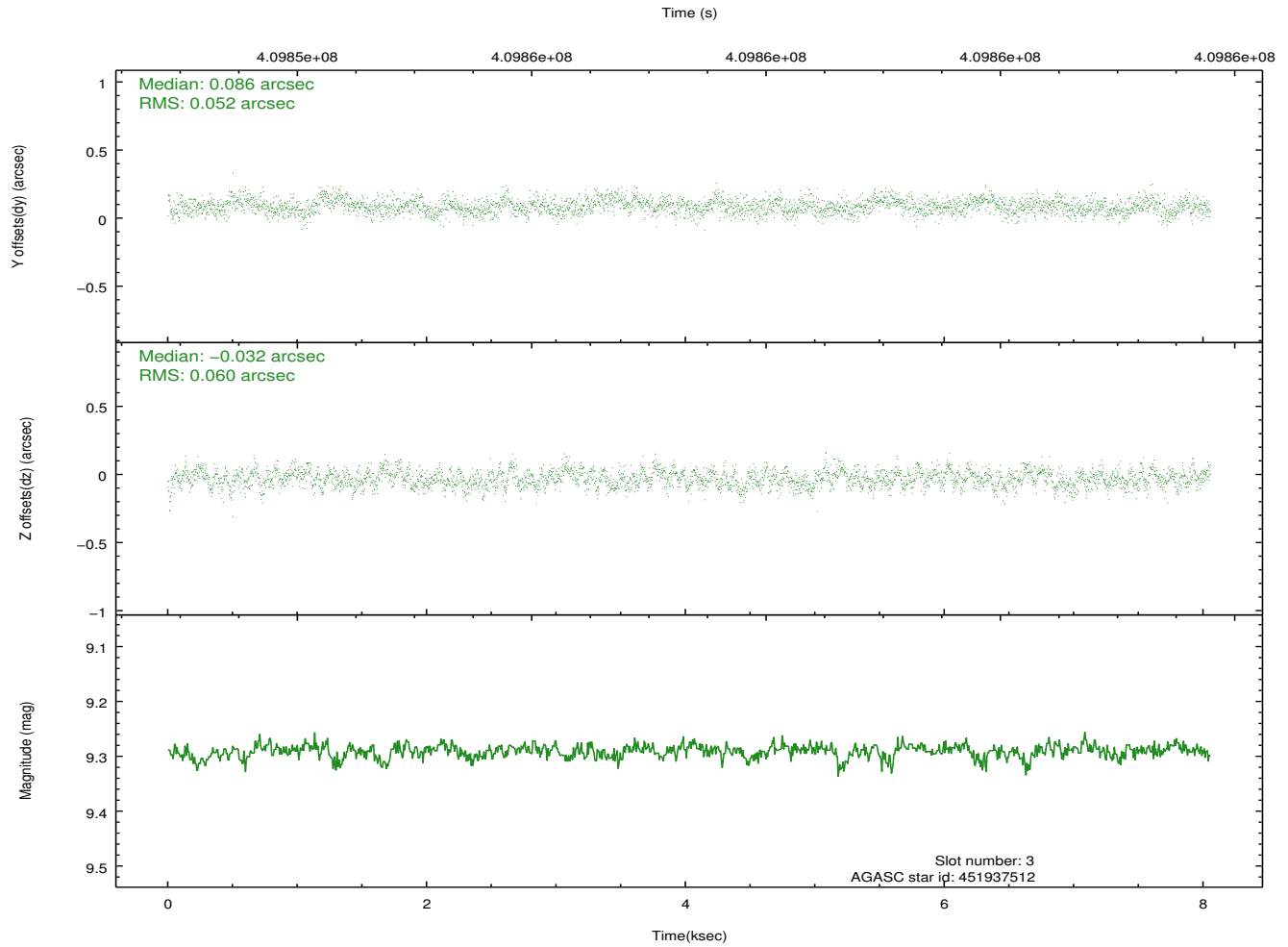
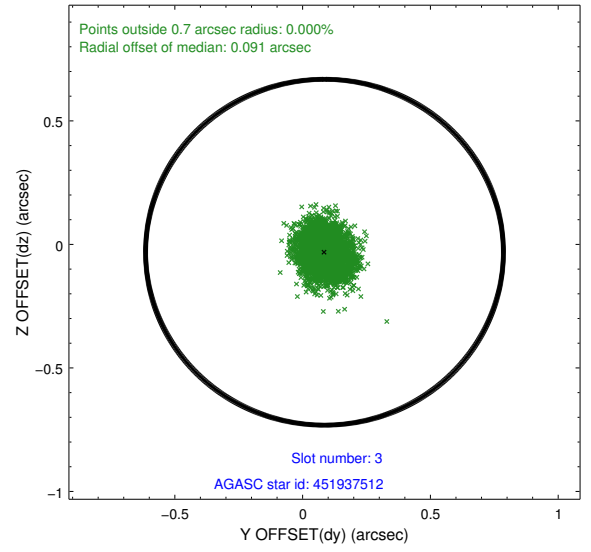
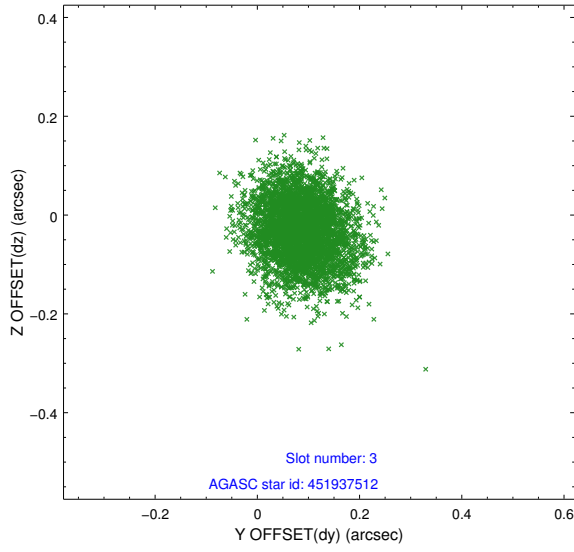


Slot Statistics

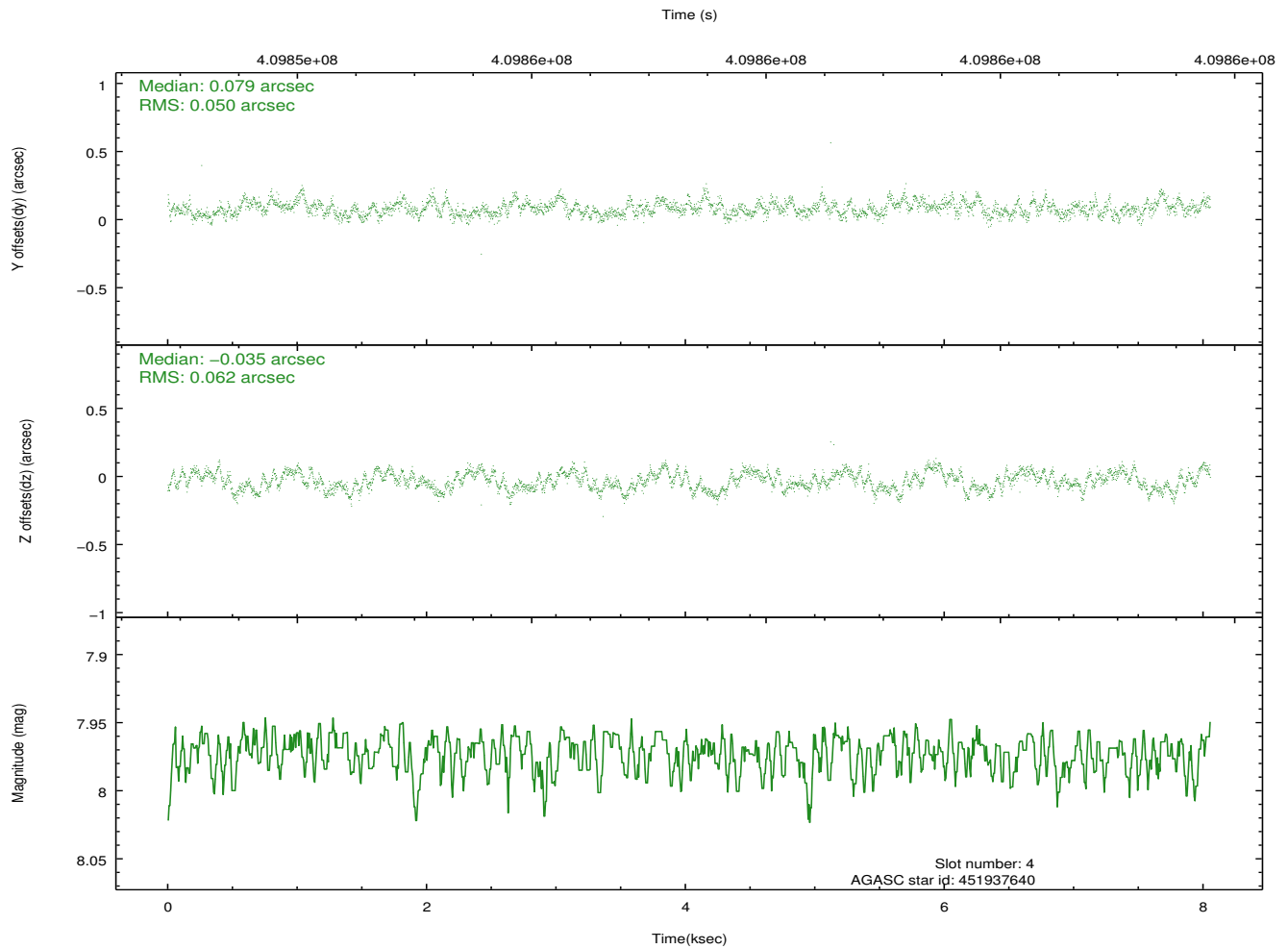
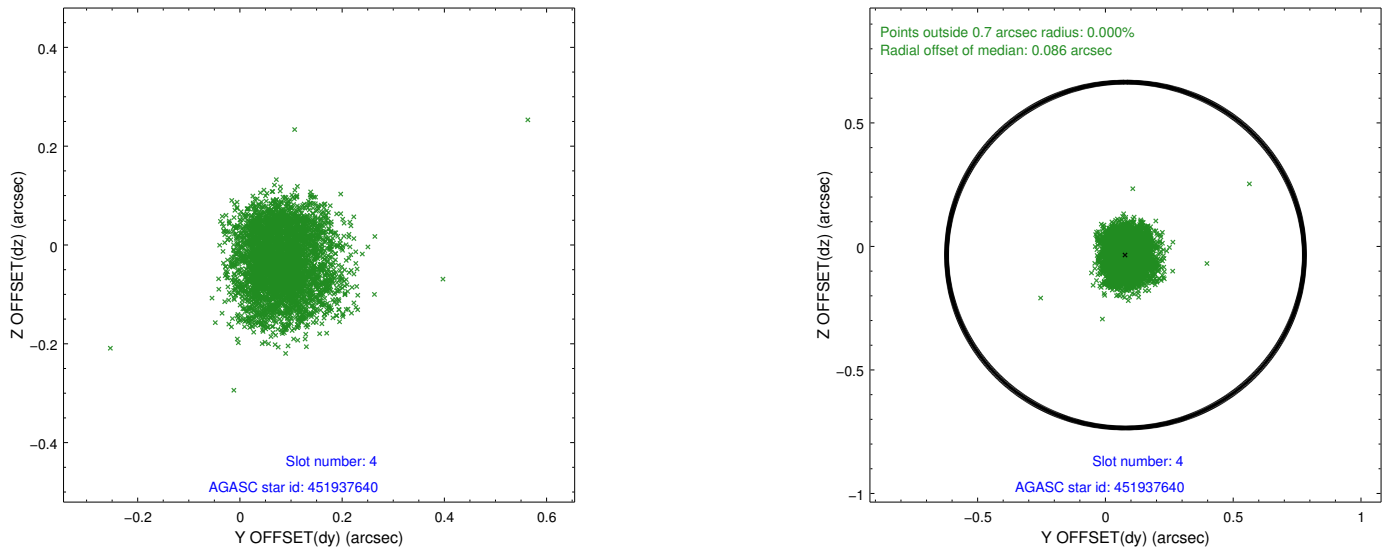
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	1965	-0.086	-0.068	0.006	0.010	0.000000	0.000000	-774.31	-1739.50
1	FID	ACIS-S-4	7.05	1965	0.221	0.060	0.005	0.010	0.000000	0.000000	2138.99	168.33
2	FID	ACIS-S-5	7.08	1965	-0.166	0.018	0.006	0.011	0.000000	0.000000	-1826.31	162.83
3	GUIDE	451937512	9.29	3925	0.086	-0.032	0.084	0.135	160.496964	52.416508	-1086.77	1421.21
4	GUIDE	451937640	7.97	3930	0.079	-0.035	0.087	0.133	161.104146	52.408961	-1231.03	95.69
5	GUIDE	451937832	9.71	3913	0.189	0.097	0.161	0.264	160.794714	52.318668	-1496.85	801.81
6	GUIDE	501091392	7.58	3929	-0.124	-0.013	0.083	0.136	160.324146	52.970595	933.72	1612.13
7	GUIDE	501095312	9.48	3915	-0.228	-0.011	0.120	0.191	160.631452	53.377578	2332.27	816.66

2.4 Star Slots

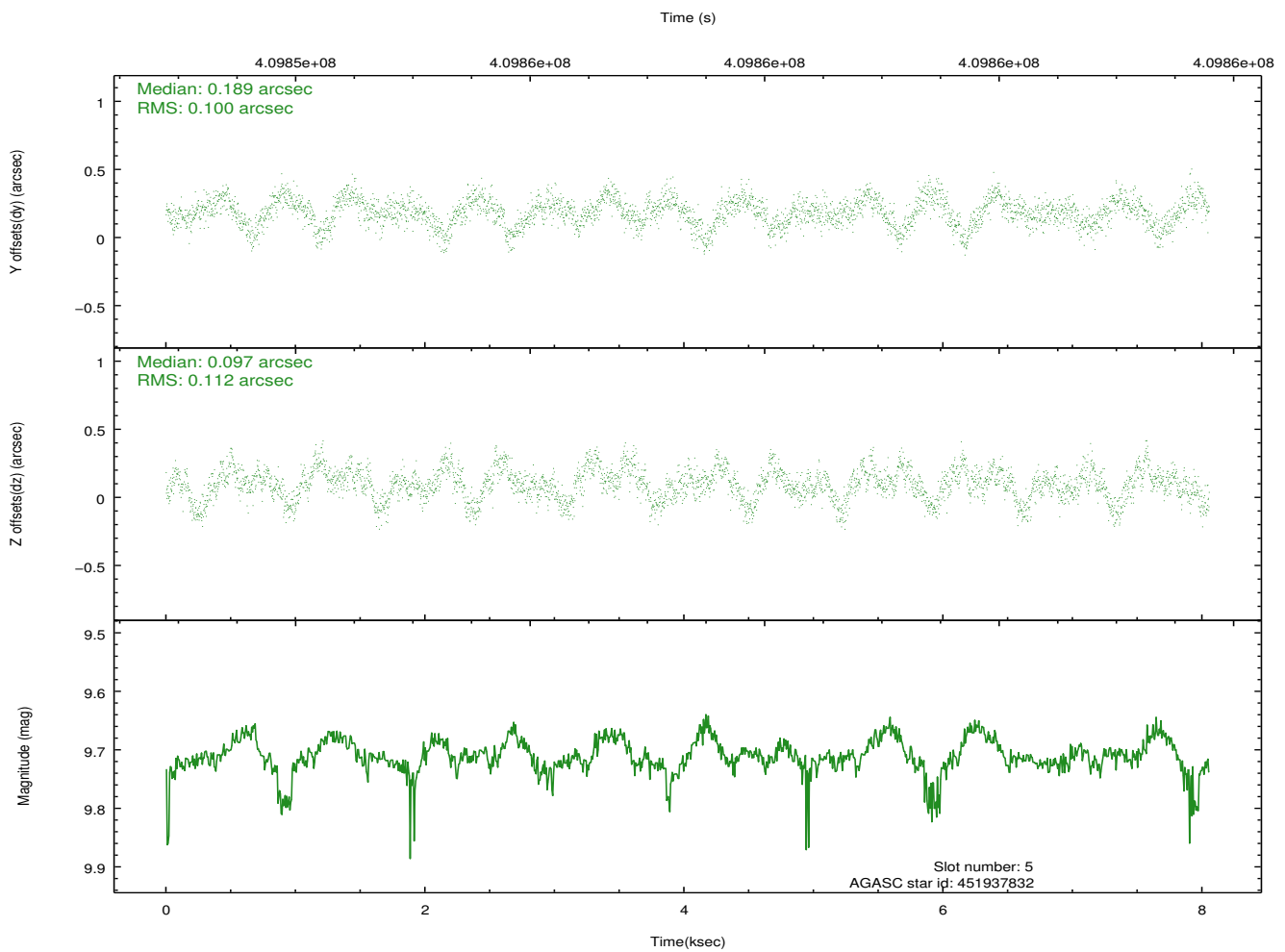
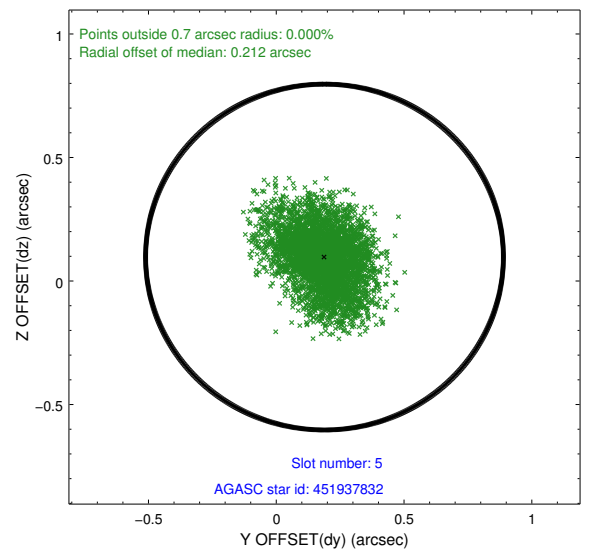
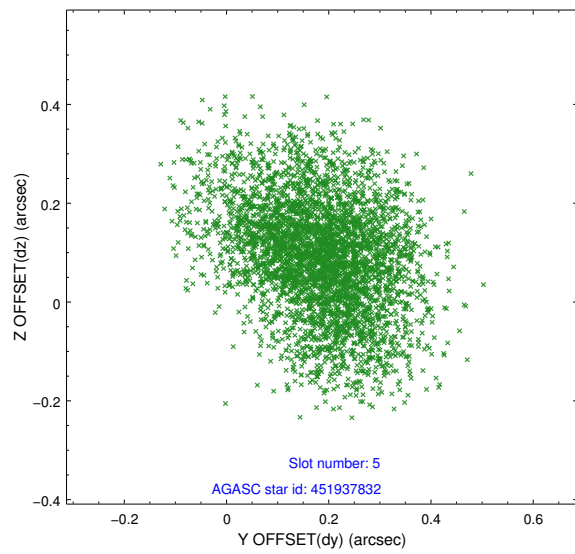
2.4.1 Slot 3



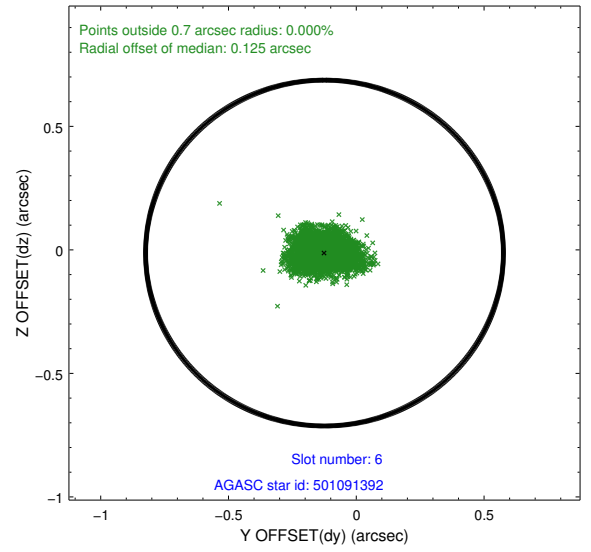
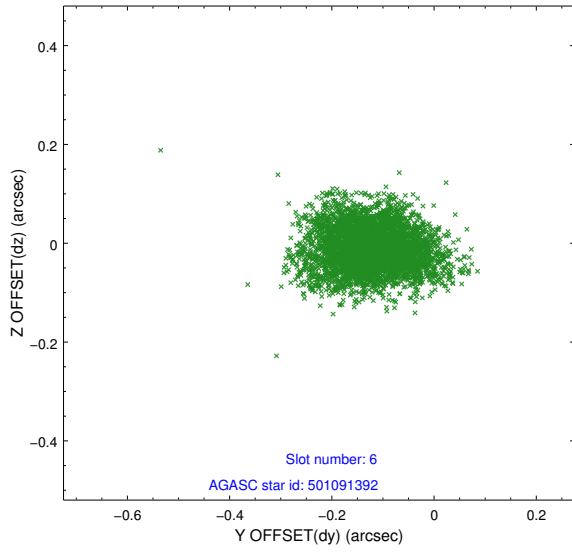
2.4.2 Slot 4



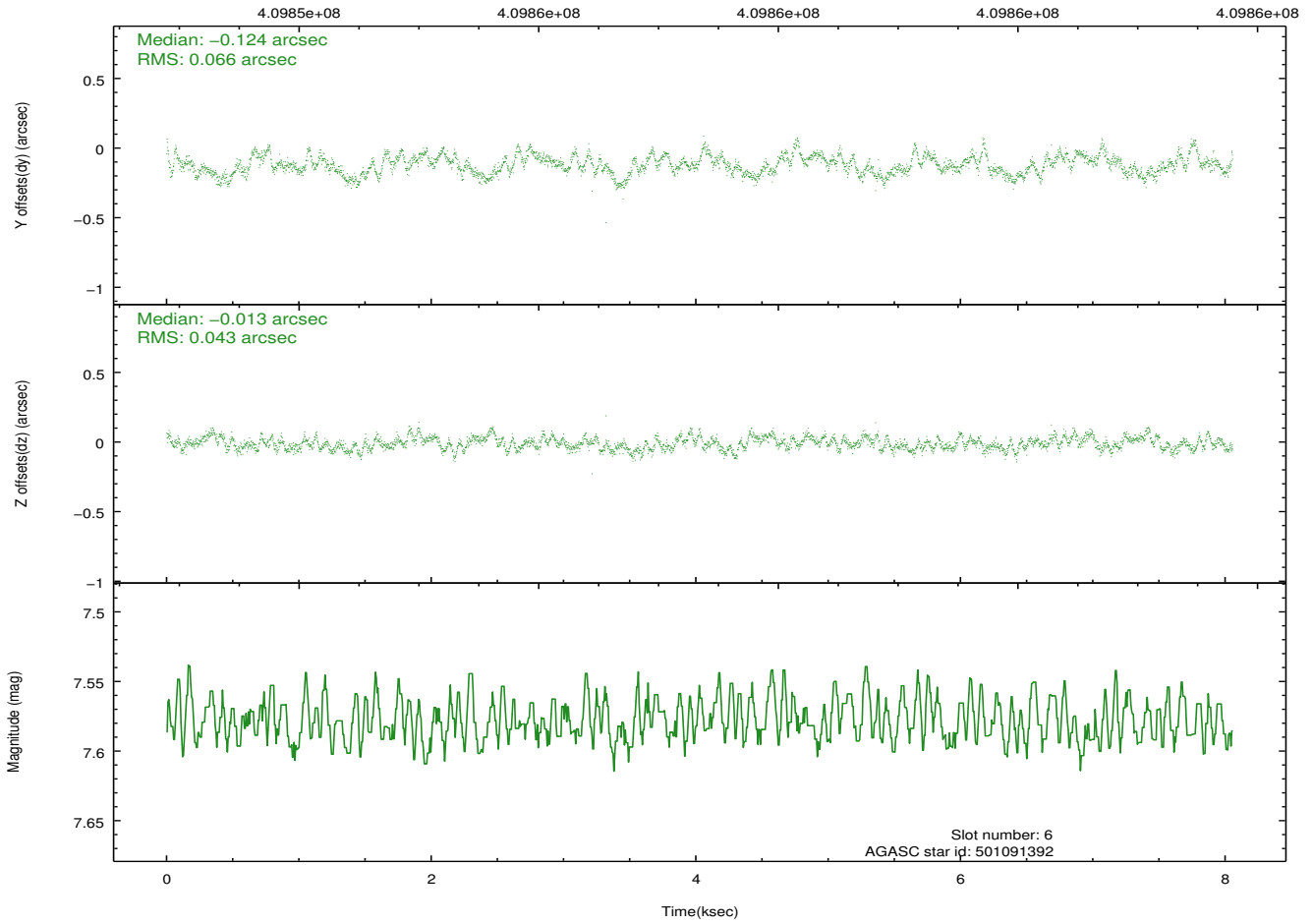
2.4.3 Slot 5



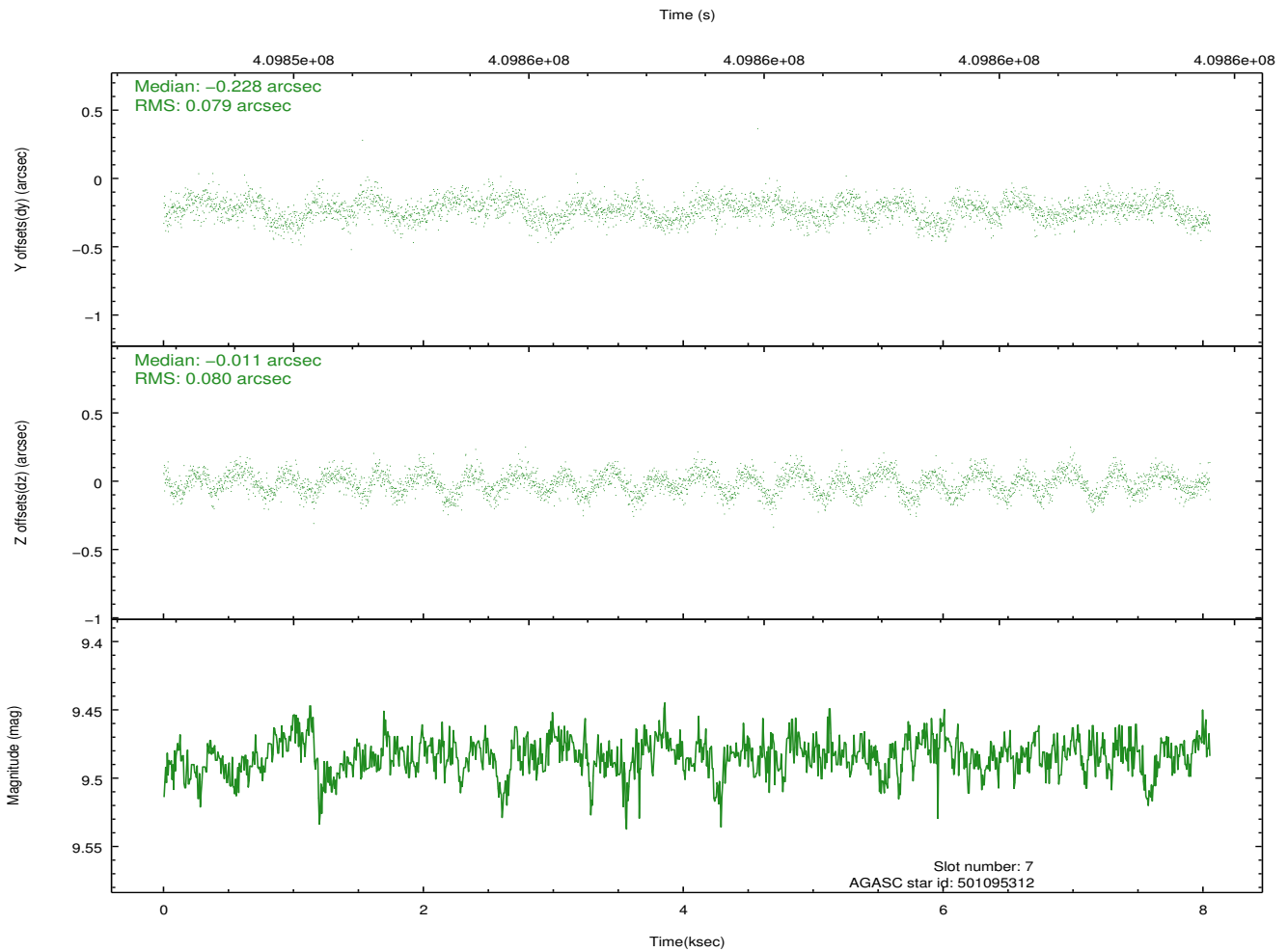
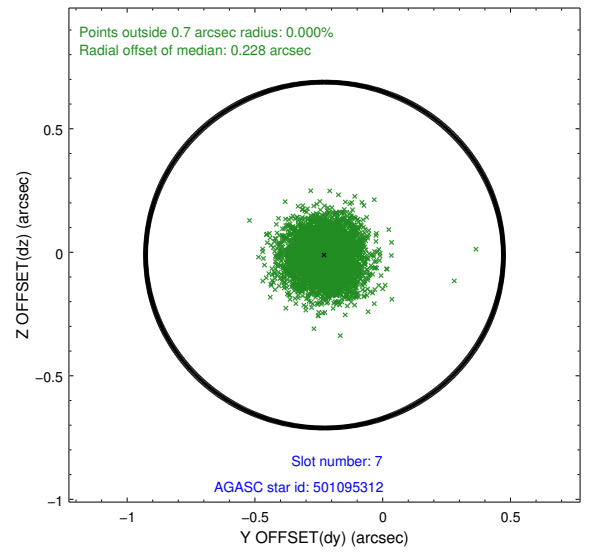
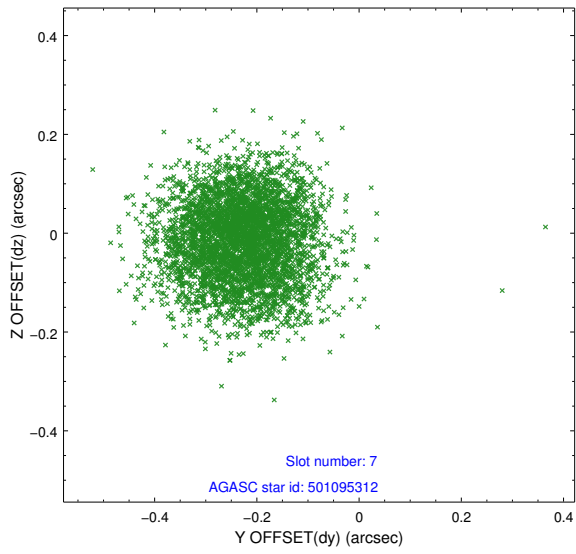
2.4.4 Slot 6



Time (s)

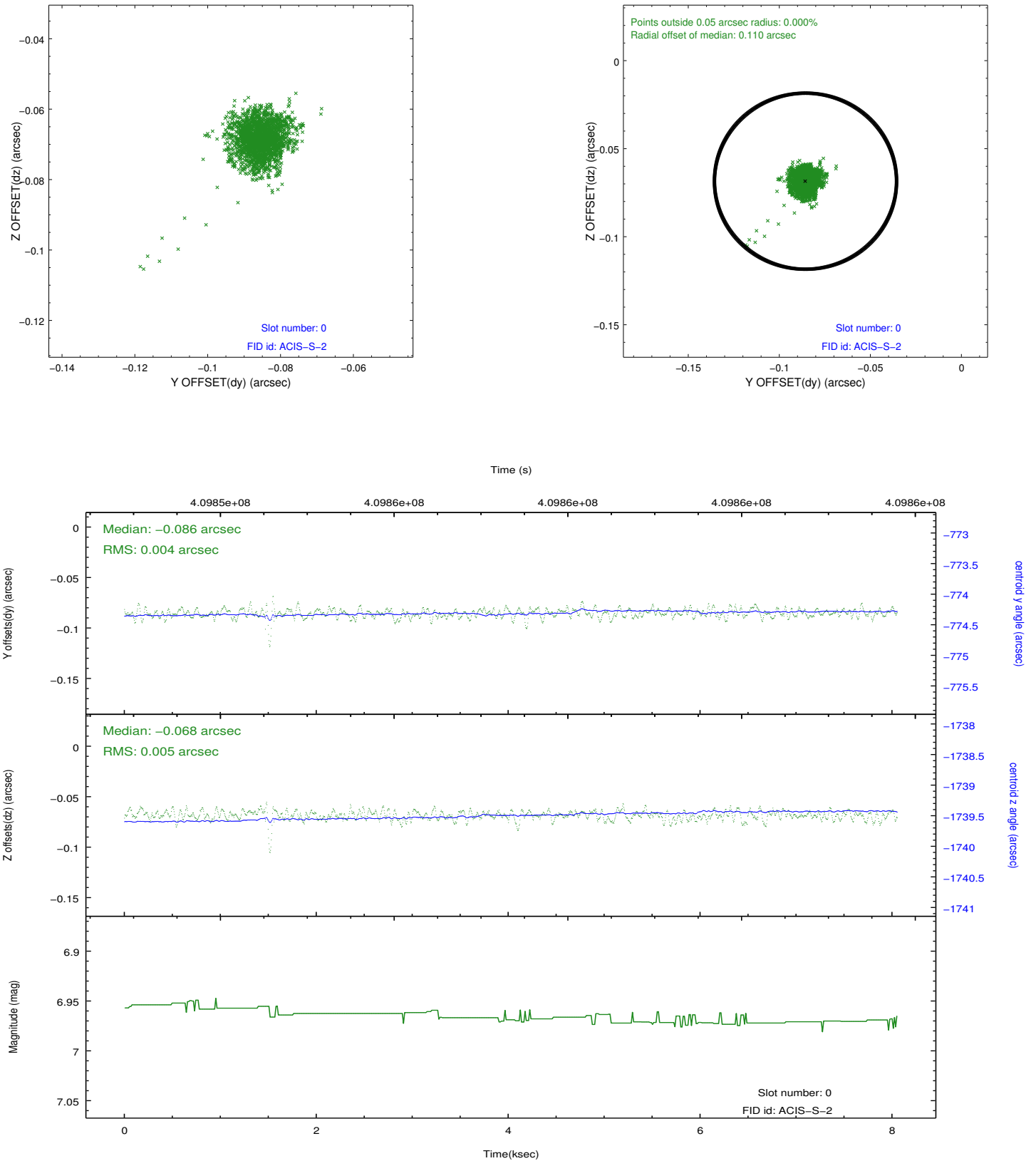


2.4.5 Slot 7

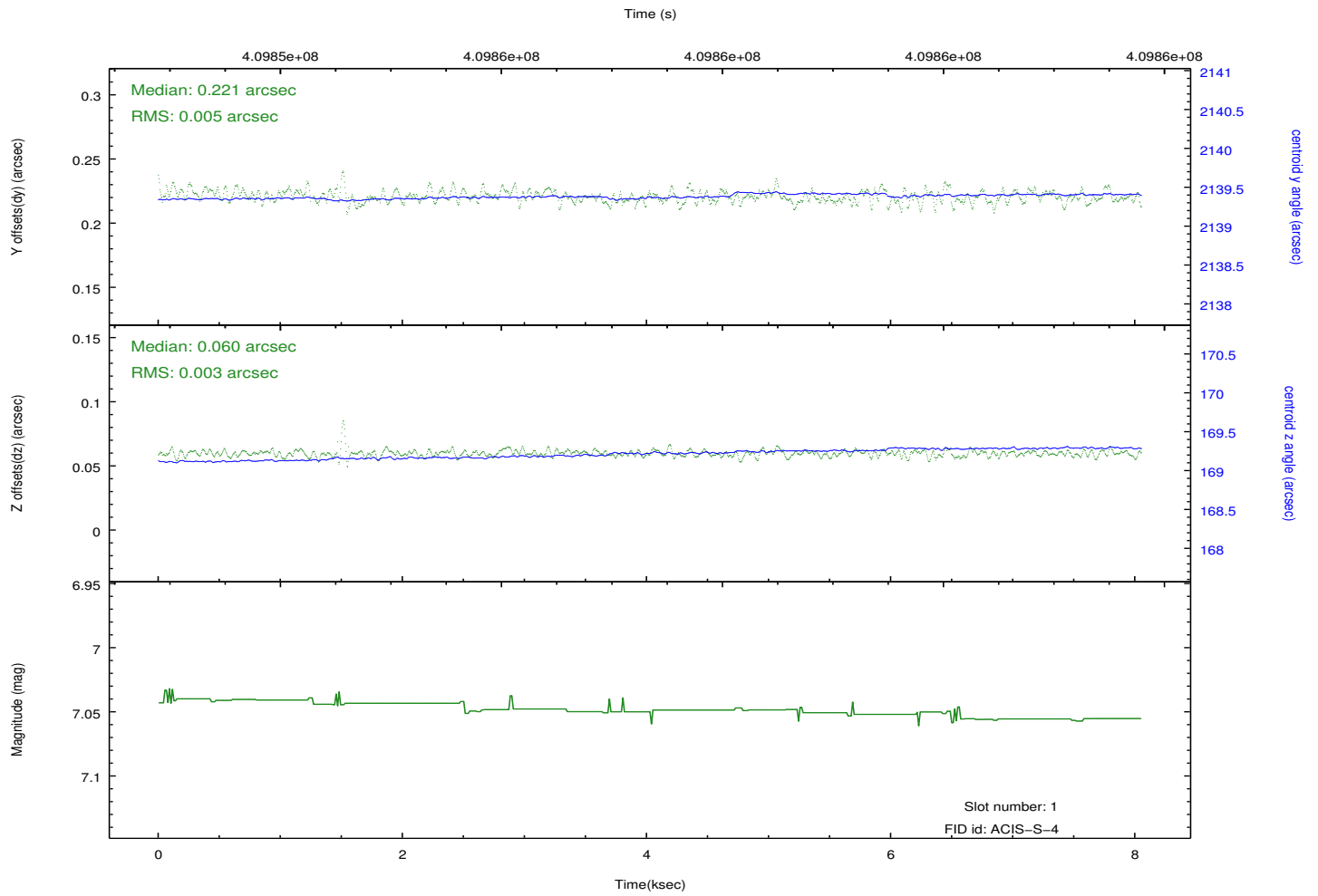
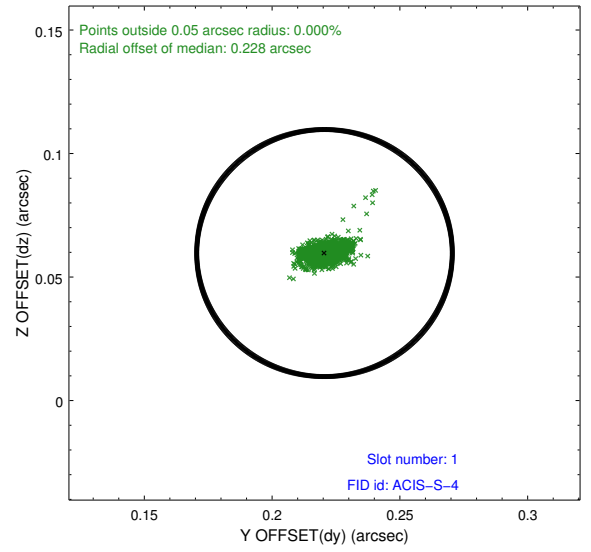
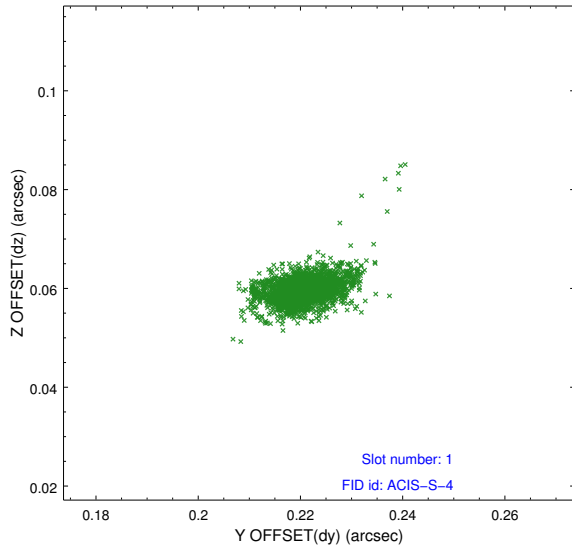


2.5 FID Slots

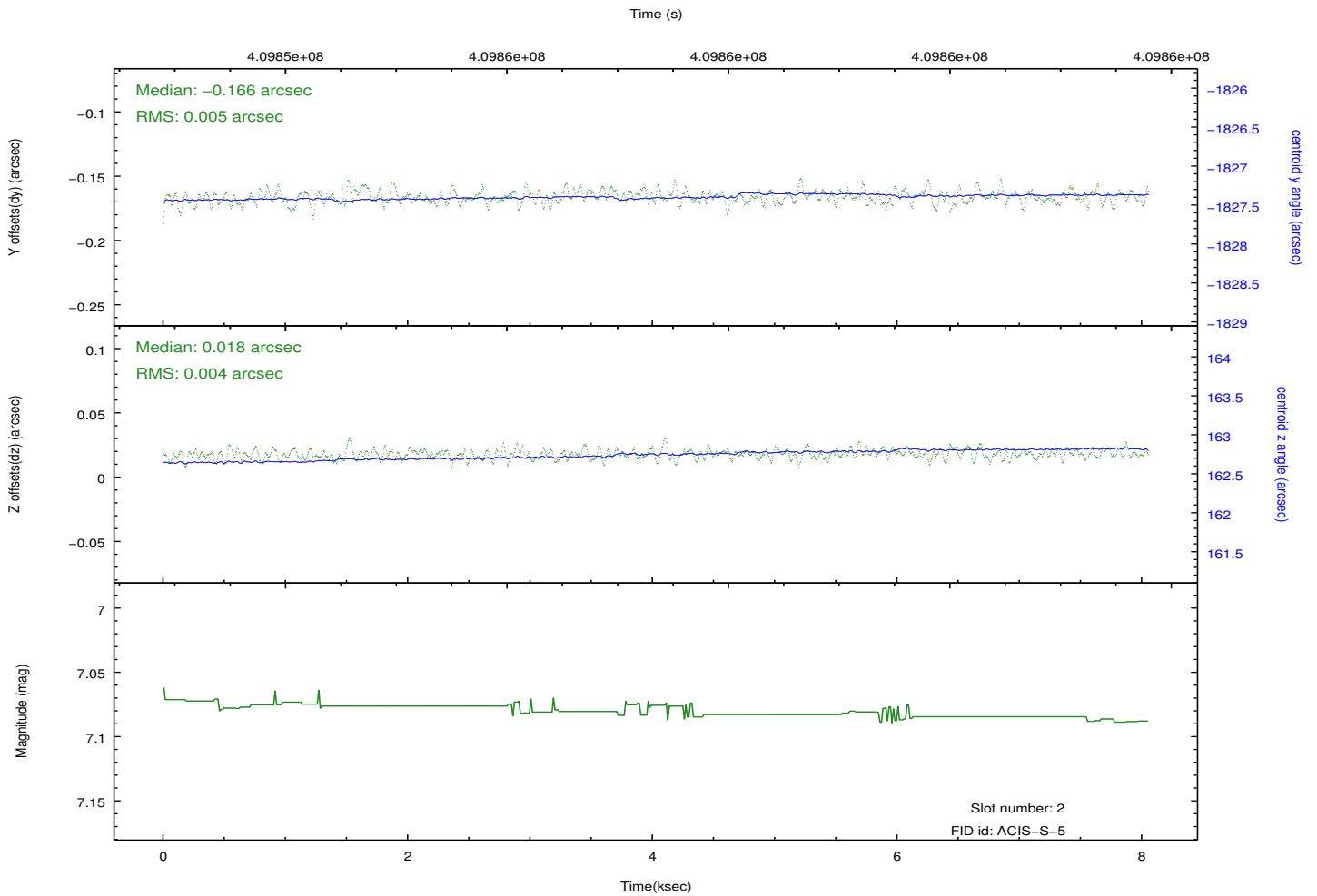
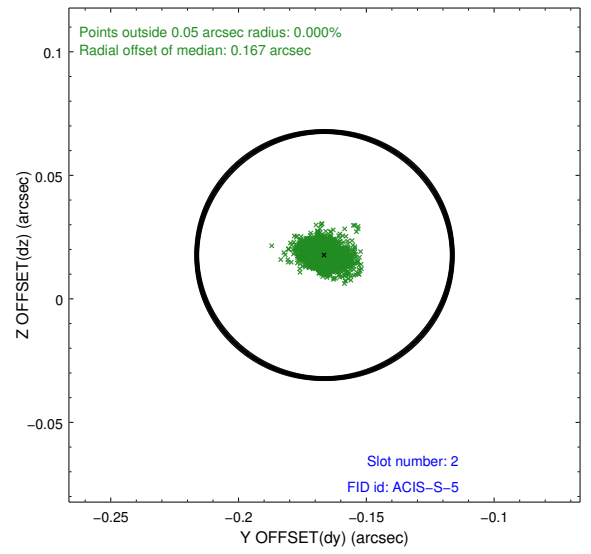
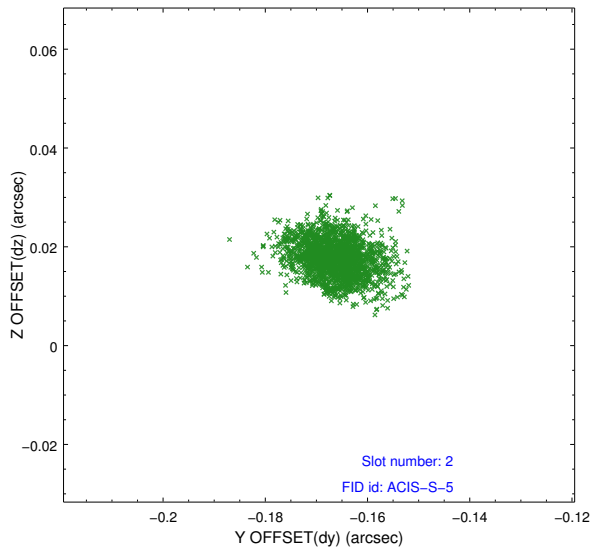
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5487999719381

A.2 Comments