

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11498 - L2 Version 2
Chandra X-Ray Center

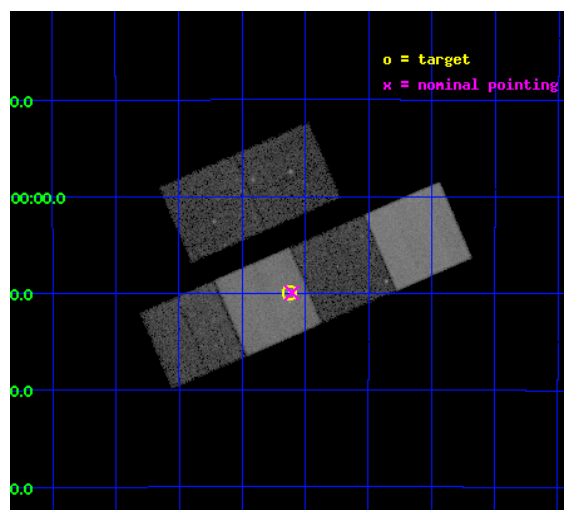
L2 Processing Date : Jun 28 2012

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1 Front

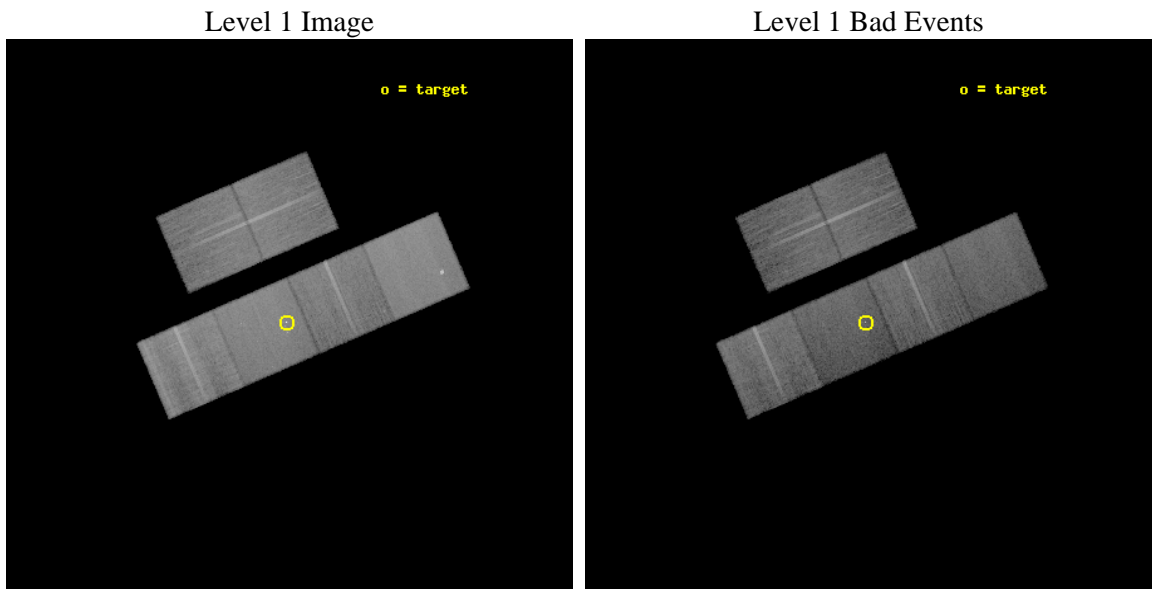
seq_num	702084	Sequence number
obs_id	11498	Observation id
title	The nature of active nuclei in radio galaxies: observations of the 2Jy sample	Proposal title
observer	Dr Martin Hardcastle	Principal investigator
object	PKS 0442-28	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	71.157083	Observer's specified target RA [deg]
dec_targ	-28.165167	Observer's specified target Dec [deg]
ra_nom	71.151649043702	Nominal RA [deg]
dec_nom	-28.165891315921	Nominal Dec [deg]
roll_nom	156.64111988854	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20044.799925387	Sum of GTIs [s]
livetime	19790.980599202	Livetime [s]
ontime2	20044.799925387	Sum of GTIs [s]
ontime3	20044.799925387	Sum of GTIs [s]
ontime5	20044.799925387	Sum of GTIs [s]
ontime6	20044.799925387	Sum of GTIs [s]
ontime7	20044.799925387	Sum of GTIs [s]
ontime8	20041.558955073	Sum of GTIs [s]
l2events	244019	Number of level 2 events



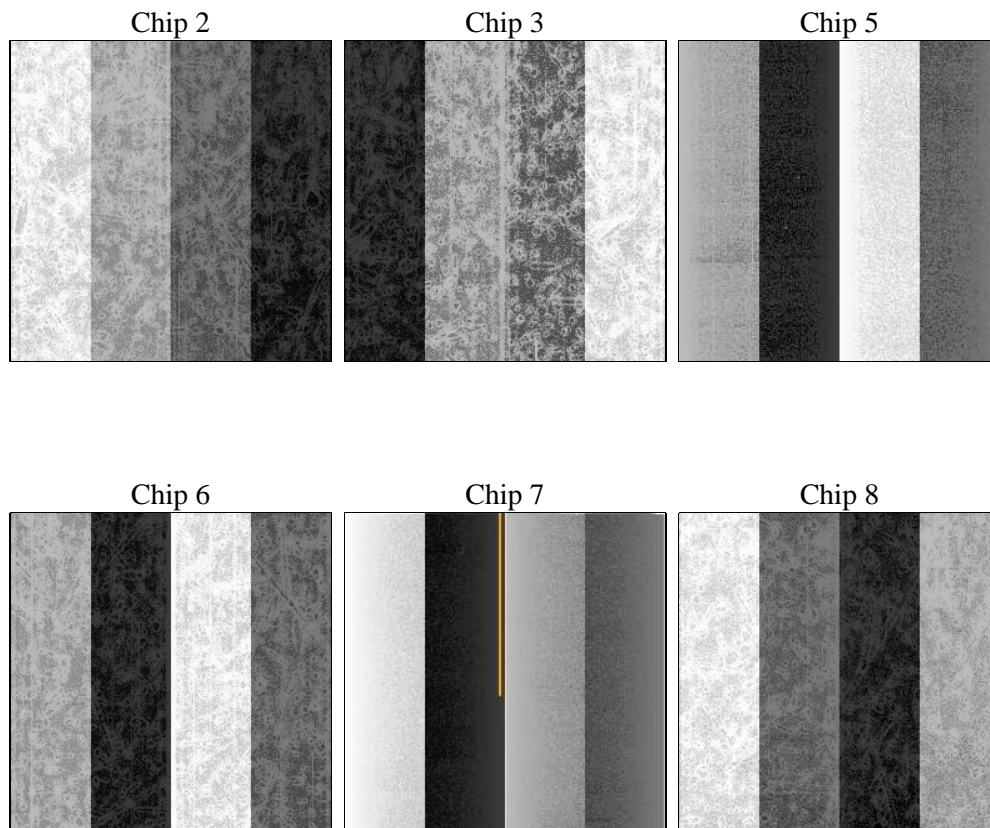
2 OBI

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	8.4.5	Processing system revision	ontime	20044.799925387	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	20044.799925387	Sum of GTIs [s]
date	2012-06-28T21:59:30	Date and time of file creation	ontime3	20044.799925387	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	20044.799925387	Sum of GTIs [s]
			ontime6	20044.799925387	Sum of GTIs [s]
			ontime7	20044.799925387	Sum of GTIs [s]
			ontime8	20041.558955073	Sum of GTIs [s]
			l1events	1045076	Number of level 1 events

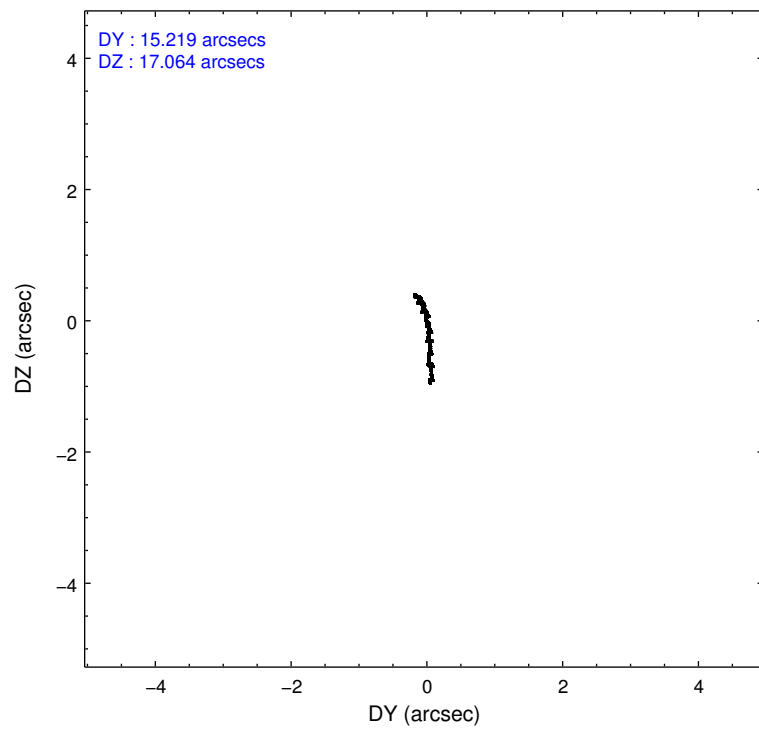
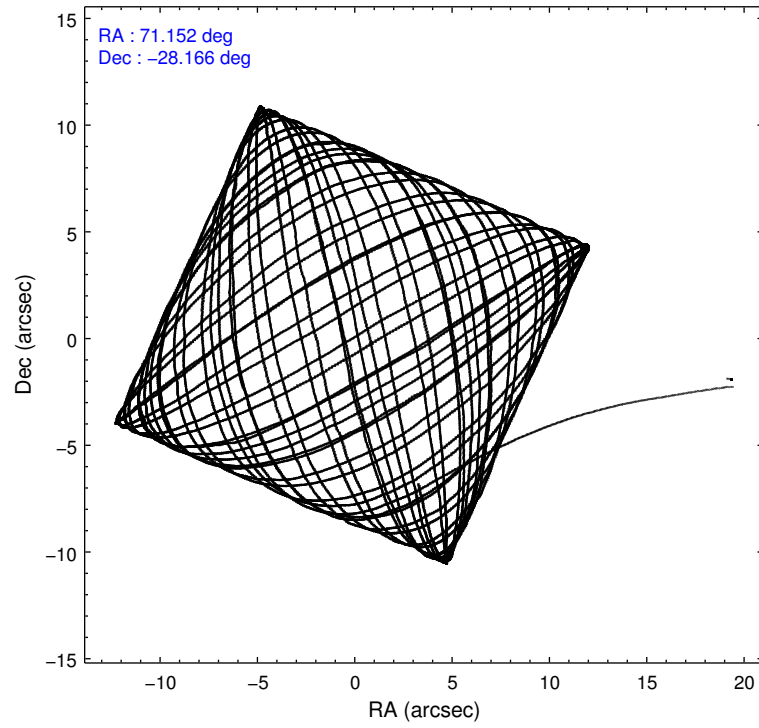
2.1.4 Events

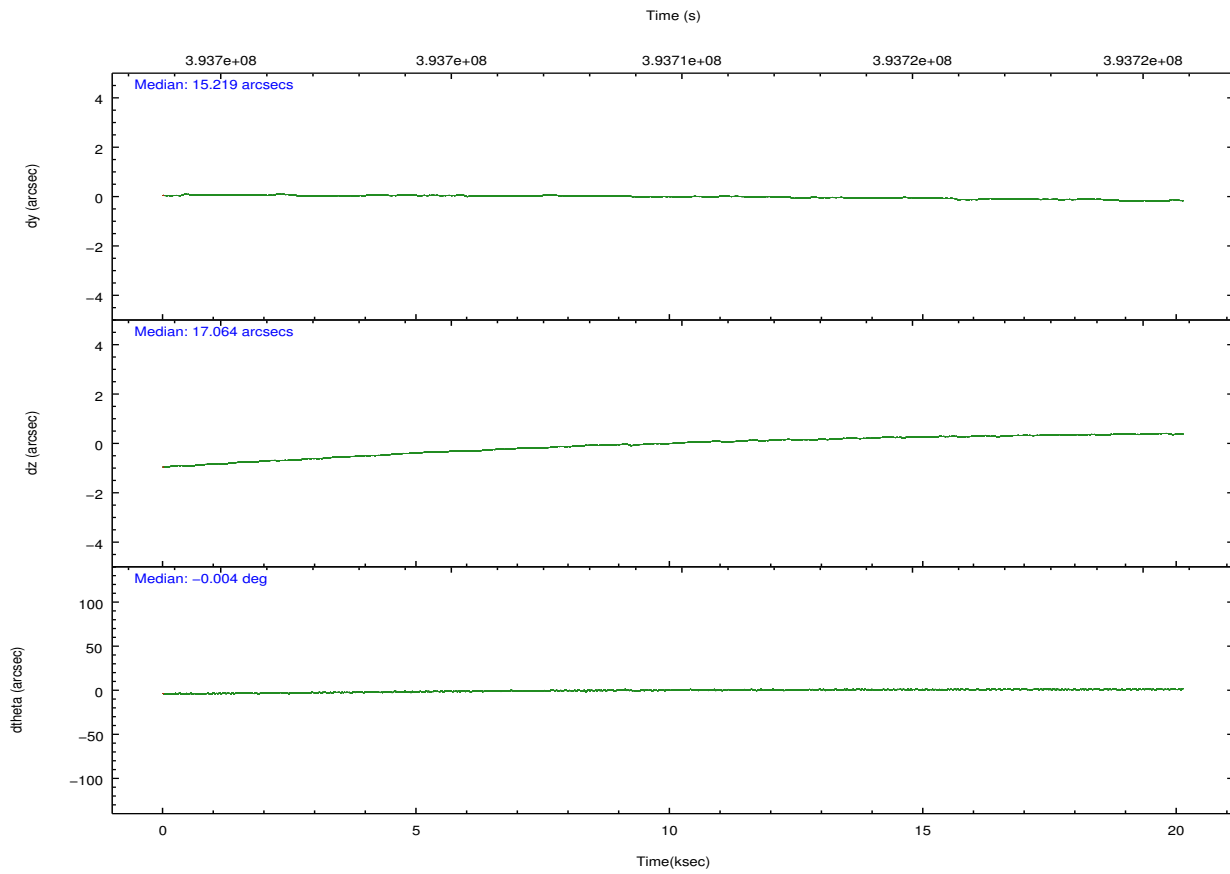
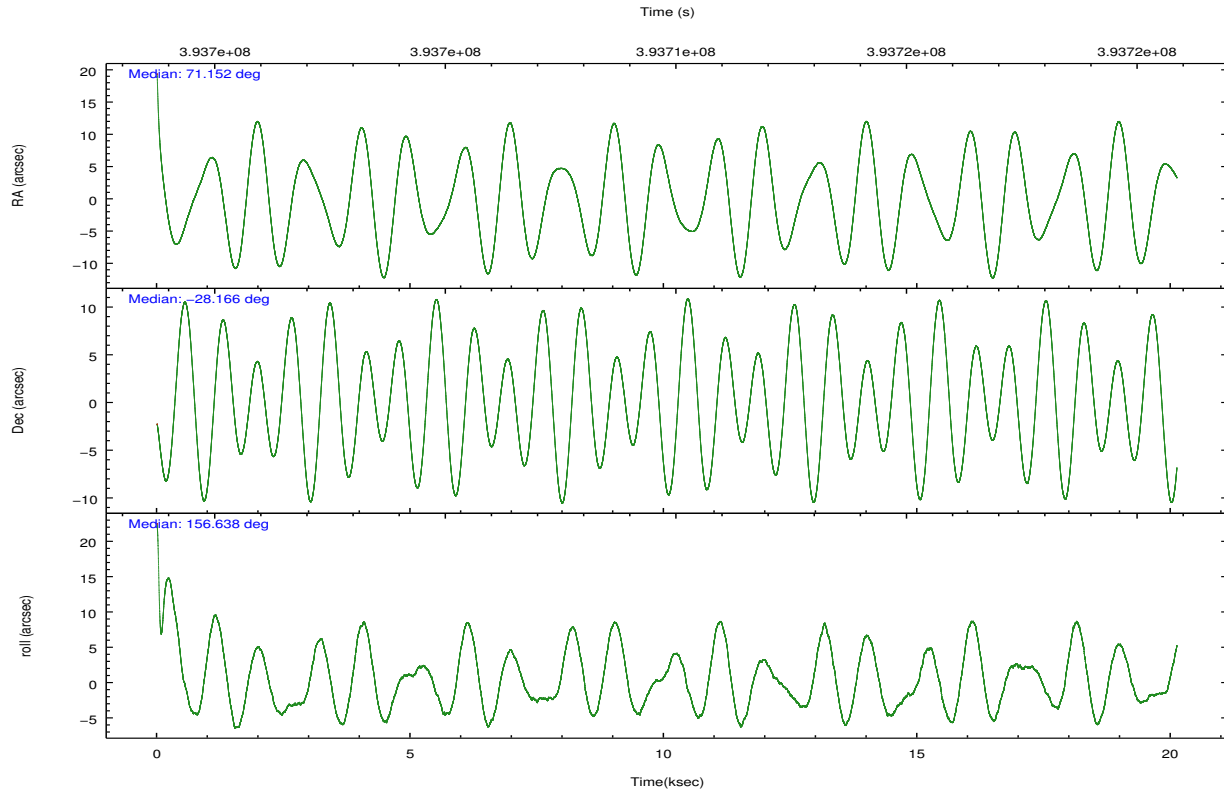
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	158232	144012	218851	146761	182342	194878	grade 0 events	5936	5450	9130	5957	8280	15321
rejected events	141968	128937	110756	130023	97706	143537		3%	3%	4%	4%	4%	7%
rejected %	89%	89%	50%	88%	53%	73%	grade 1 events	85	83	386	69	281	181
								0%	0%	0%	0%	0%	0%
							grade 2 events	3931	3374	32585	3740	17482	12079
								2%	2%	14%	2%	9%	6%
							grade 3 events	1676	1634	4298	1673	7674	5408
								1%	1%	1%	1%	4%	2%
							grade 4 events	1705	1594	4048	1710	7516	5044
								1%	1%	1%	1%	4%	2%
							grade 5 events	5477	6401	16908	6466	18816	9519
								3%	4%	7%	4%	10%	4%
							grade 6 events	3017	3026	58083	3661	43709	13521
								1%	2%	26%	2%	23%	6%
							grade 7 events	136405	122450	93413	123485	78584	133805
								86%	85%	42%	84%	43%	68%

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	71.182402	71.15164904370243	CCD I2 on	O1	Y
[deg] Pointing Dec	-28.162334	-28.16589131592053	CCD I3 on	O2	Y
[deg] Pointing Roll	156.499005	156.6411198885427	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	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	Y	Y
[s] Observation start time (MET)	393699877.184000	393698590.88638	CCD S5 on	N	N
Observation start date	2010-06-23T17:03:31	2010-06-23T16:43:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	393719877.184000	393721328.46254	On-chip summing requested	N	N
Observation end date	2010-06-23T22:36:51	2010-06-23T23:02:08	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



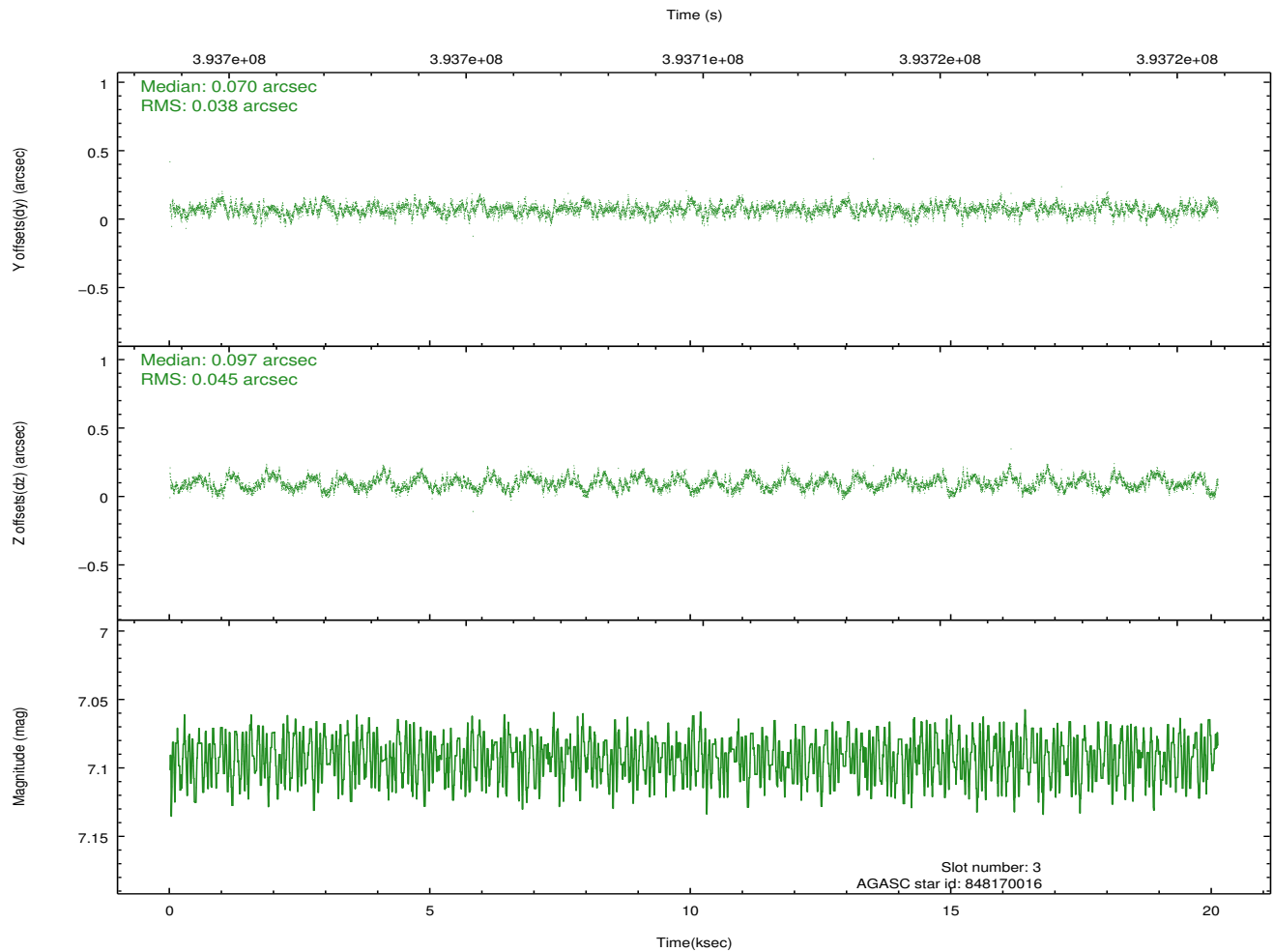
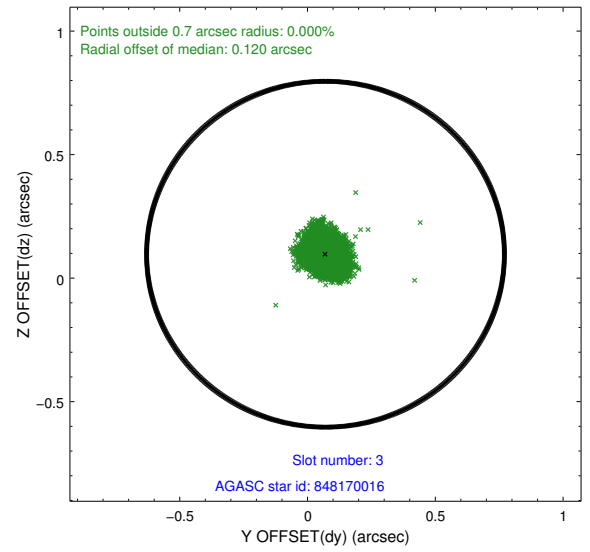
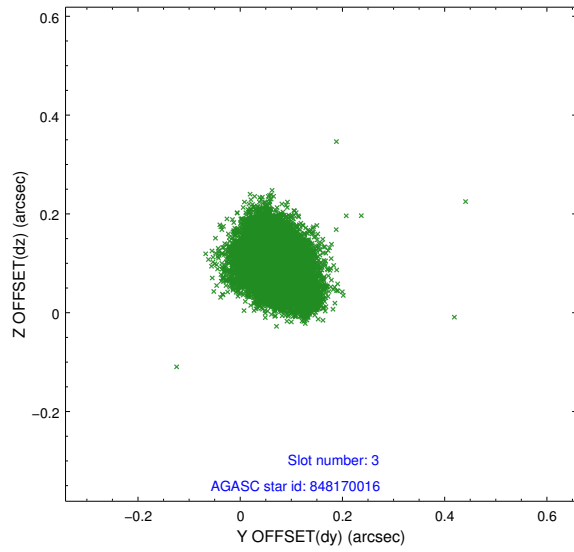


Slot Statistics

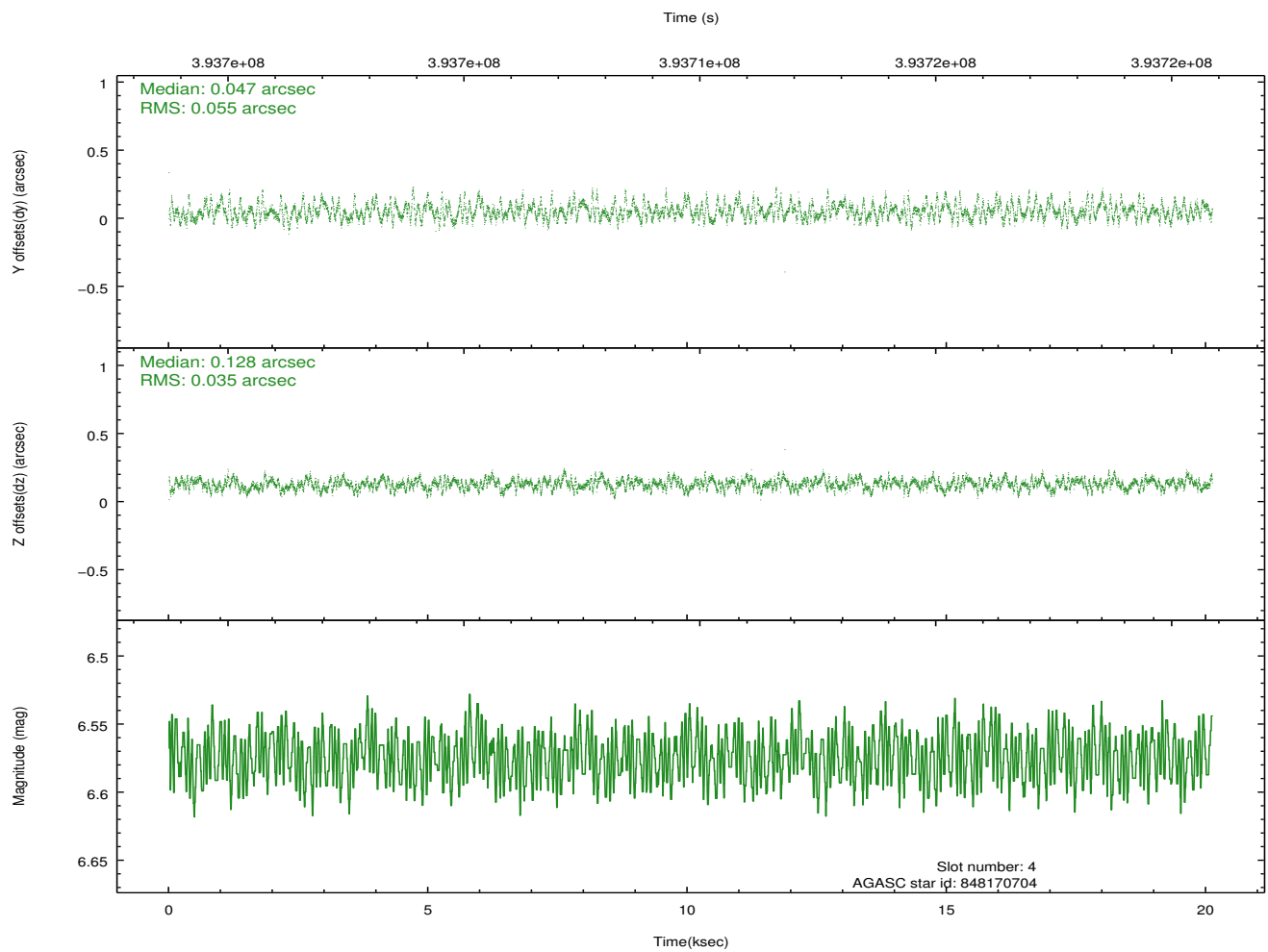
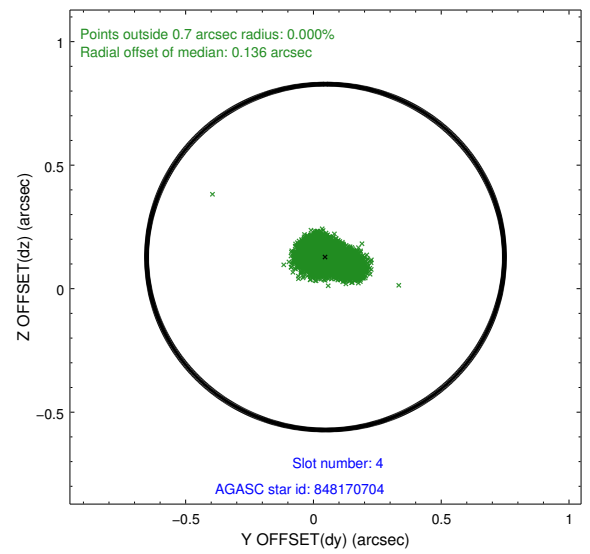
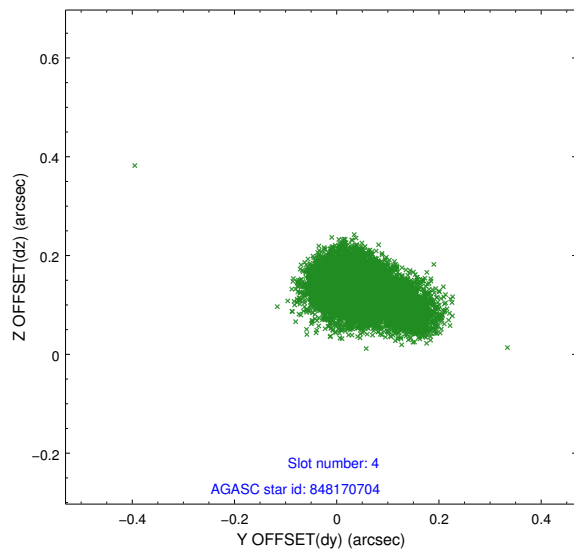
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	4908	0.057	-0.066	0.017	0.025	0.000000	0.000000	927.87	-1734.07
1	FID	ACIS-S-4	6.98	4907	0.122	0.023	0.014	0.021	0.000000	0.000000	2145.48	169.96
2	FID	ACIS-S-5	7.02	4907	-0.204	0.054	0.008	0.015	0.000000	0.000000	-1820.98	163.87
3	GUIDE	848170016	7.09	9815	0.070	0.097	0.064	0.101	71.121226	-27.948848	485.14	-626.98
4	GUIDE	848170704	6.57	9815	0.047	0.128	0.068	0.119	71.607288	-28.087442	-1130.50	-783.29
5	GUIDE	848173416	7.90	9815	0.010	-0.021	0.066	0.109	71.417996	-28.658937	-1395.72	1343.63
6	GUIDE	848176648	9.13	9807	0.034	0.001	0.121	0.186	70.891692	-28.664323	121.04	2024.69
7	GUIDE	848170640	9.88	9801	-0.165	-0.210	0.153	0.244	70.532475	-28.544381	1334.17	2086.12

2.4 Star Slots

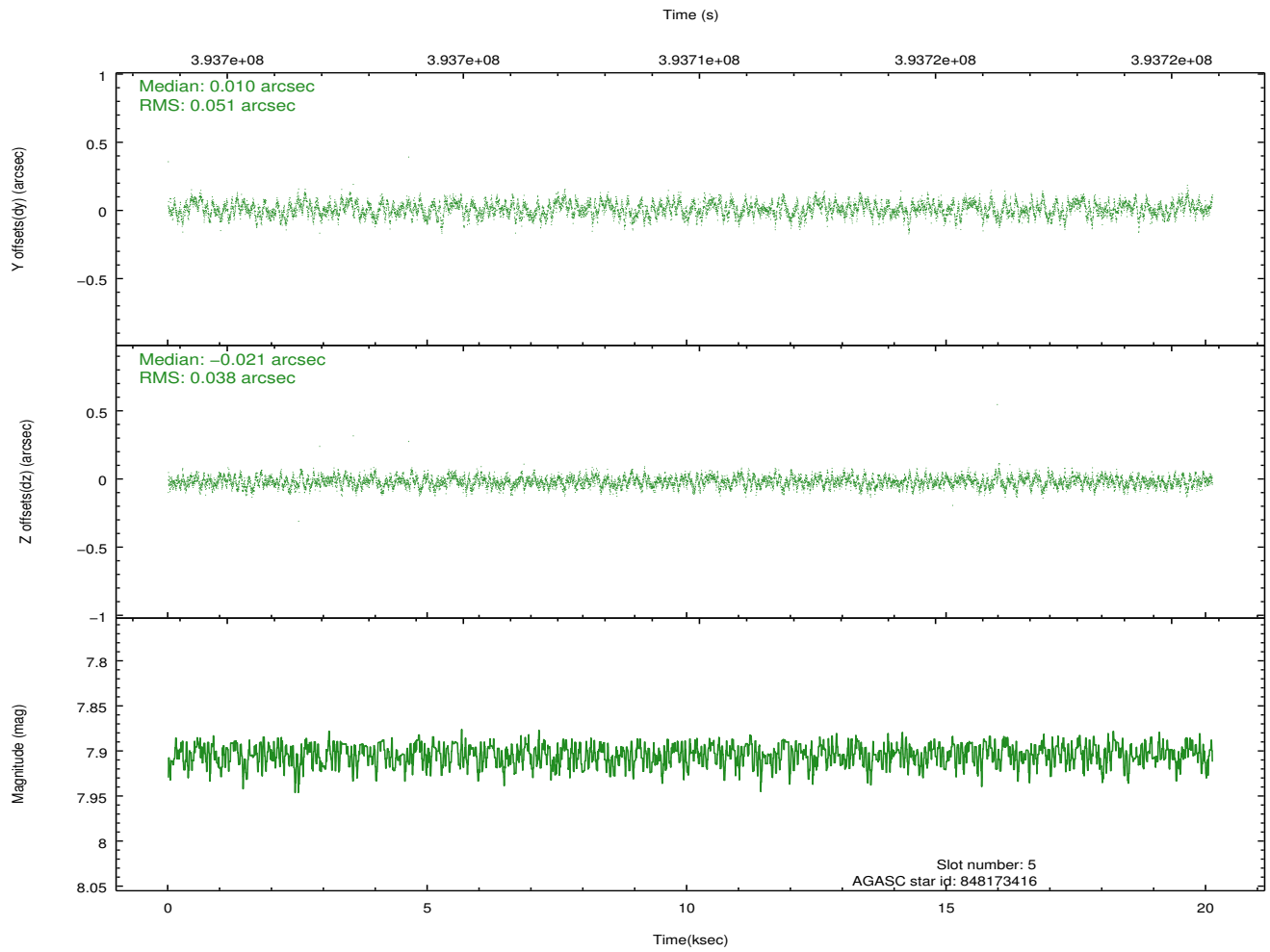
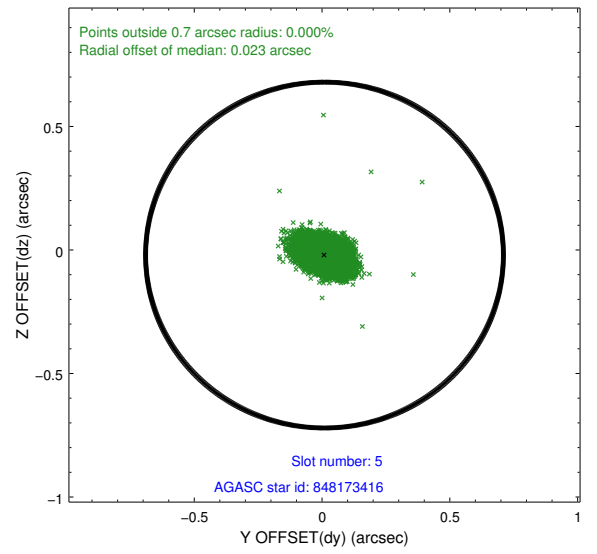
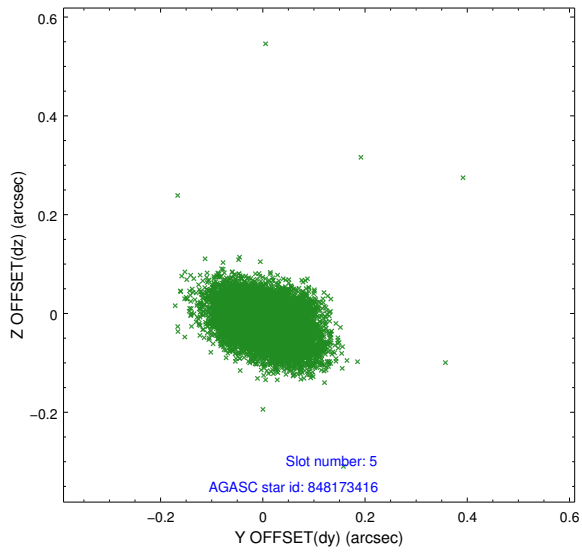
2.4.1 Slot 3



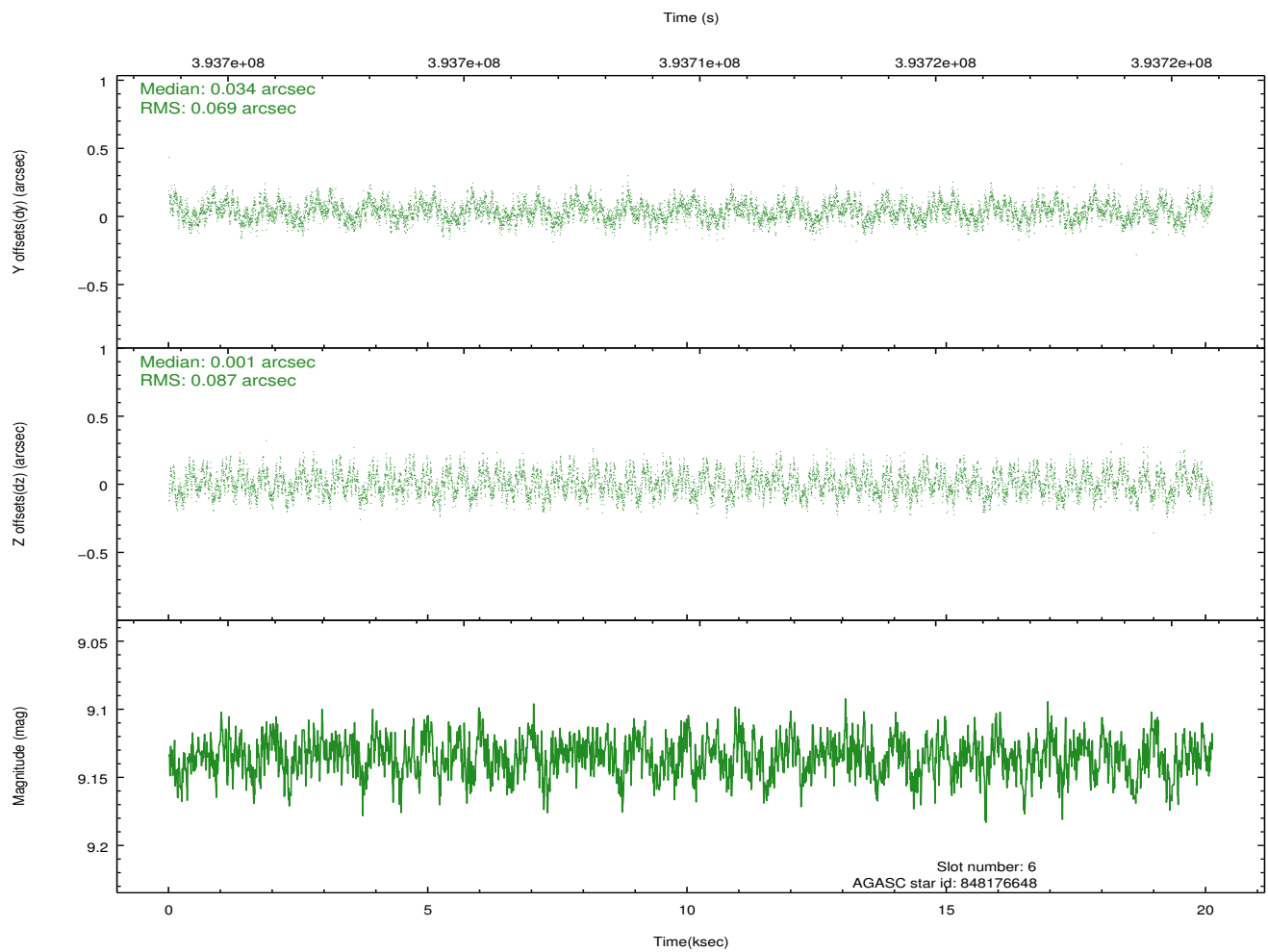
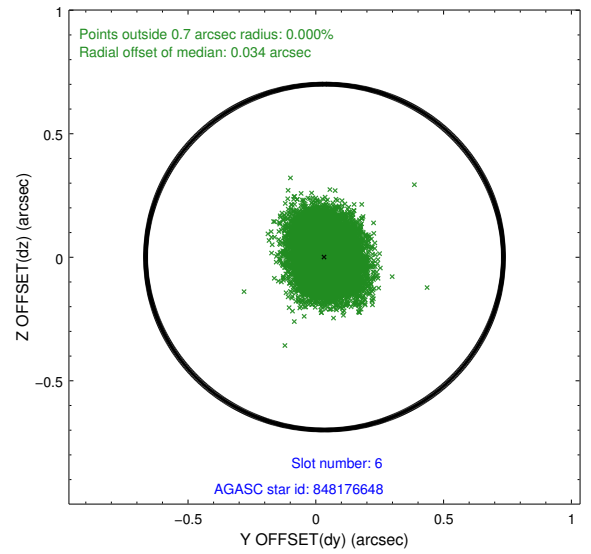
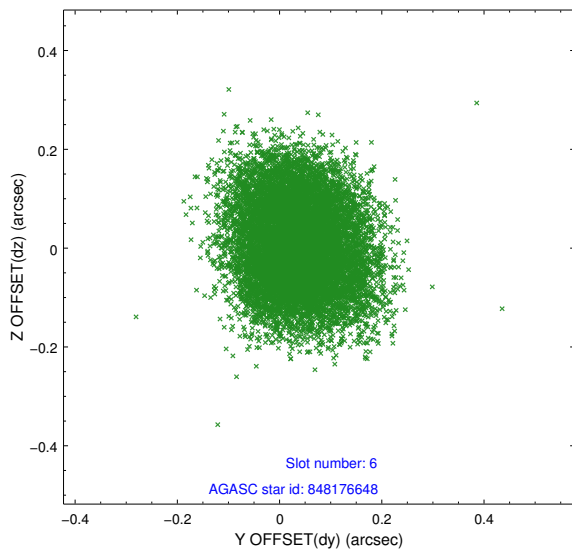
2.4.2 Slot 4



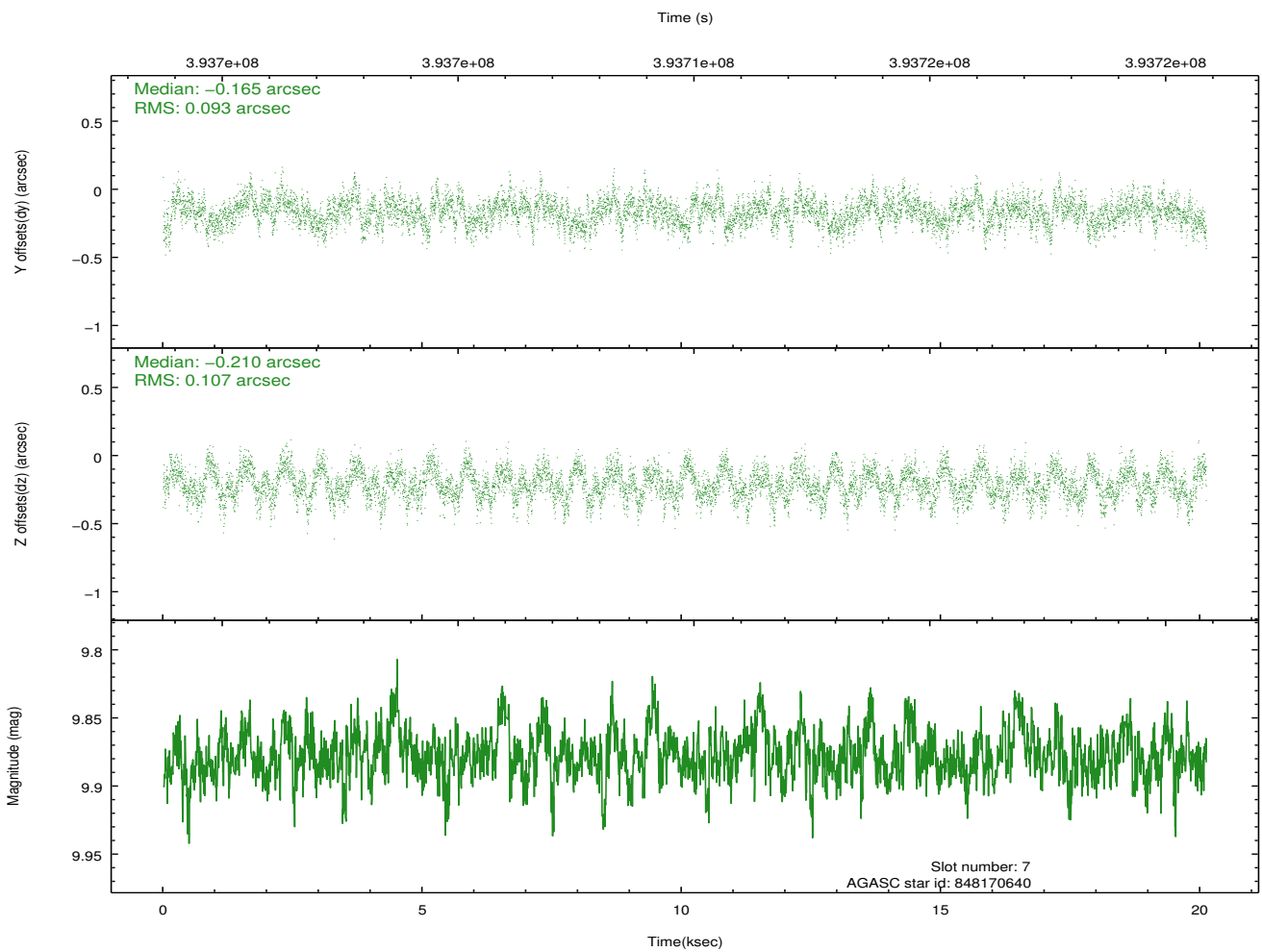
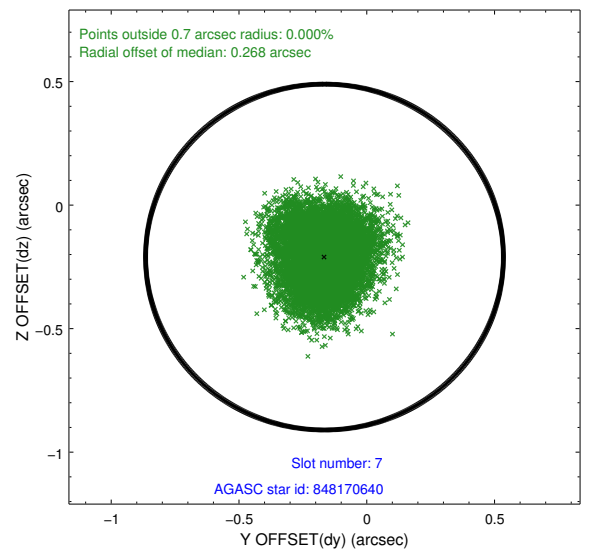
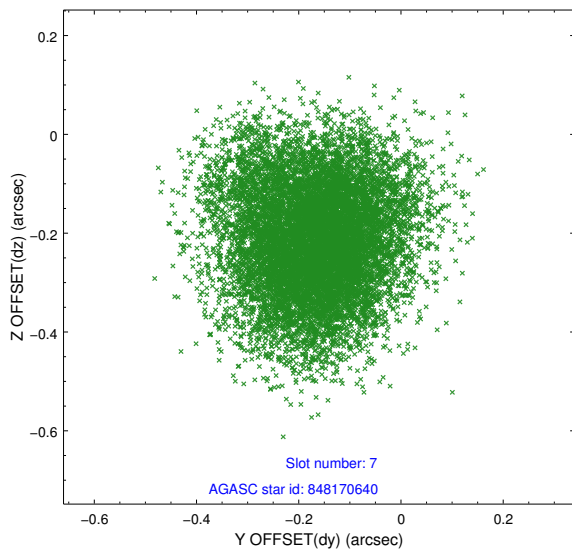
2.4.3 Slot 5



2.4.4 Slot 6

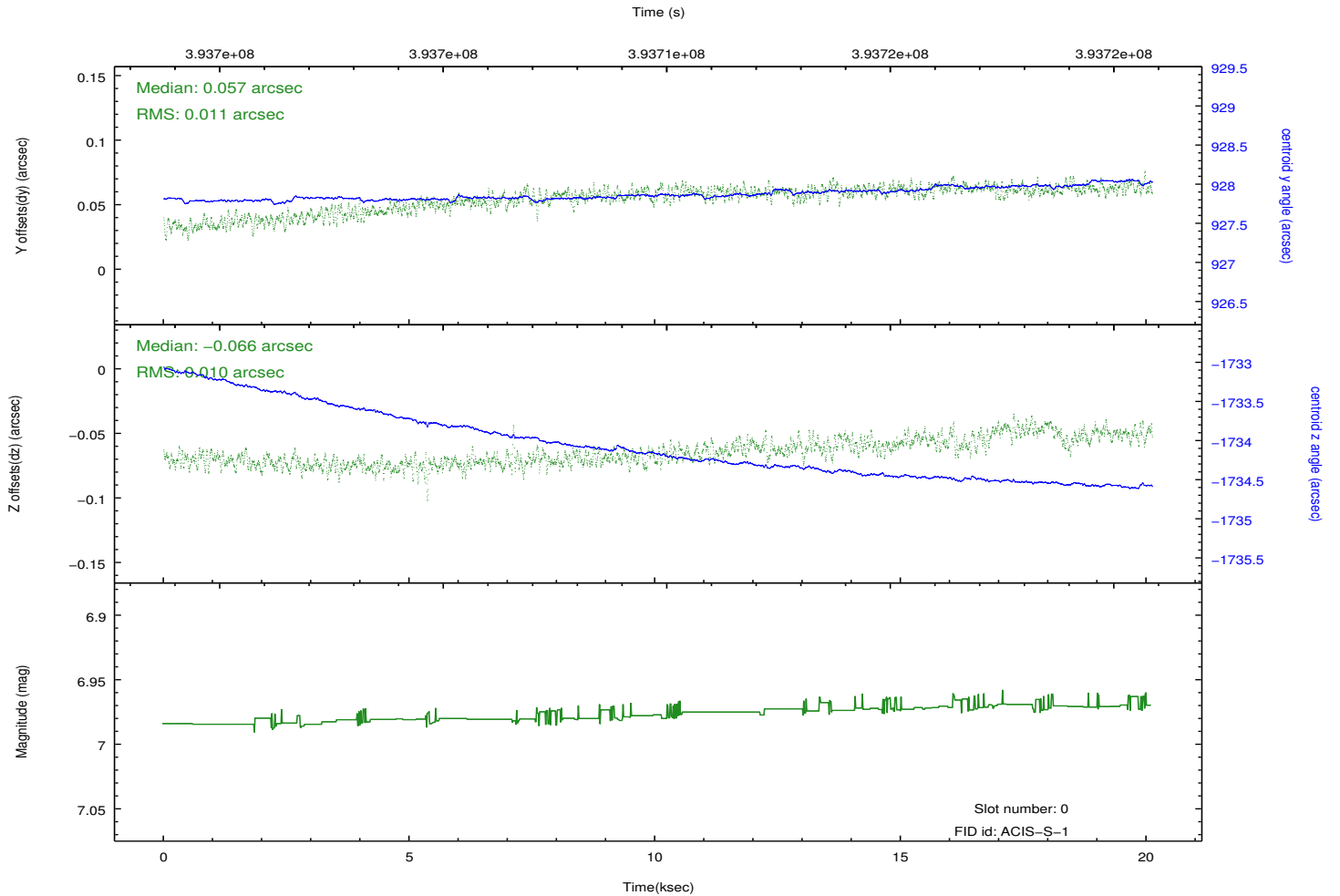
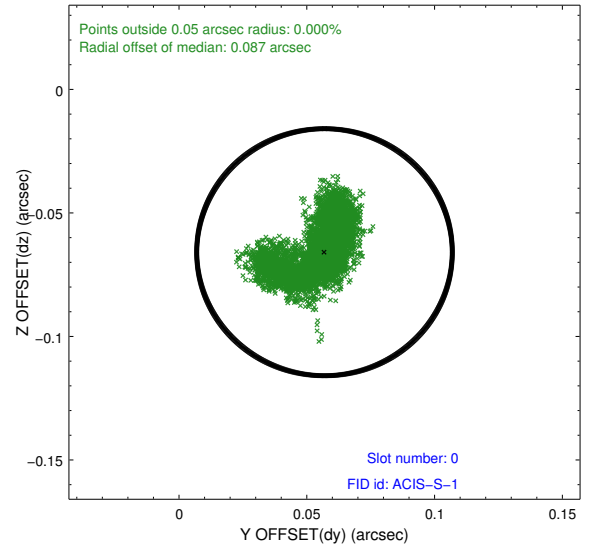
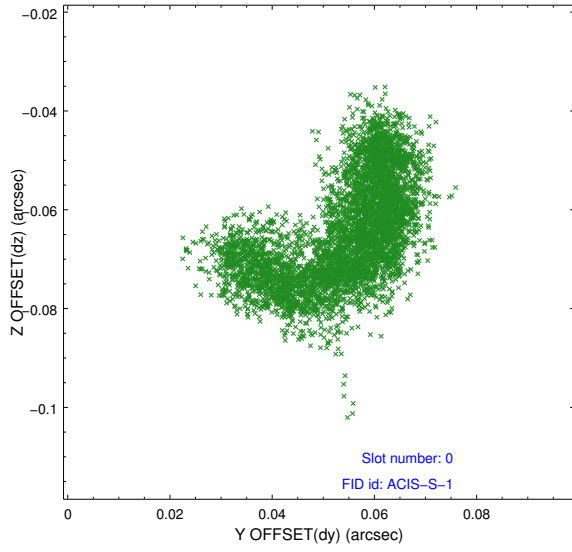


2.4.5 Slot 7

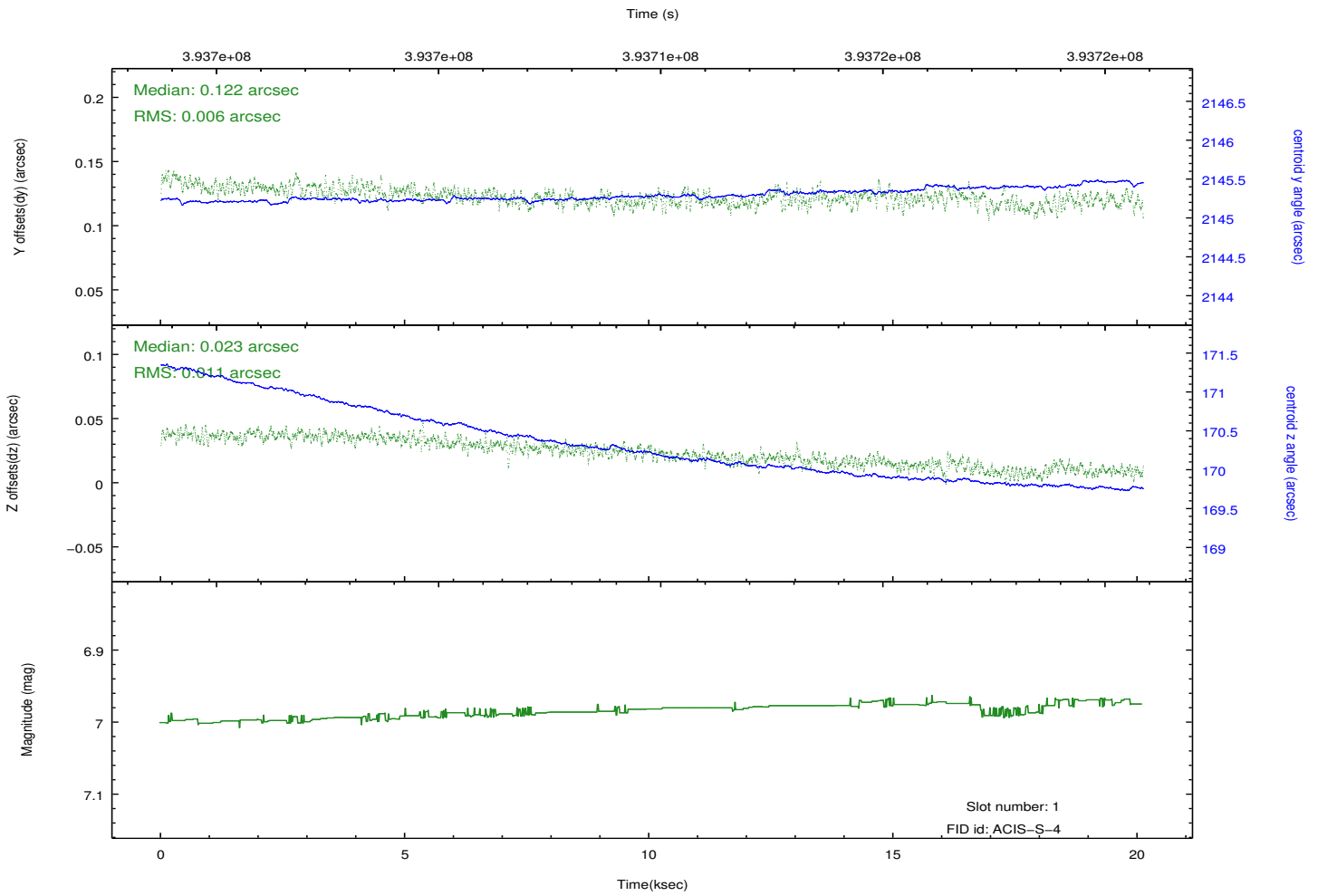
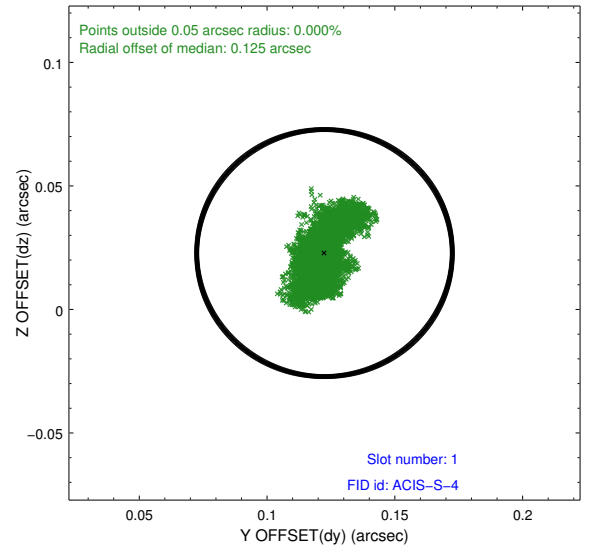
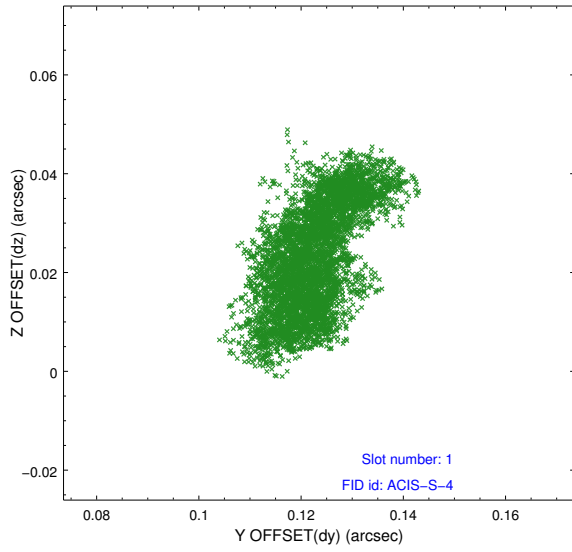


2.5 FID Slots

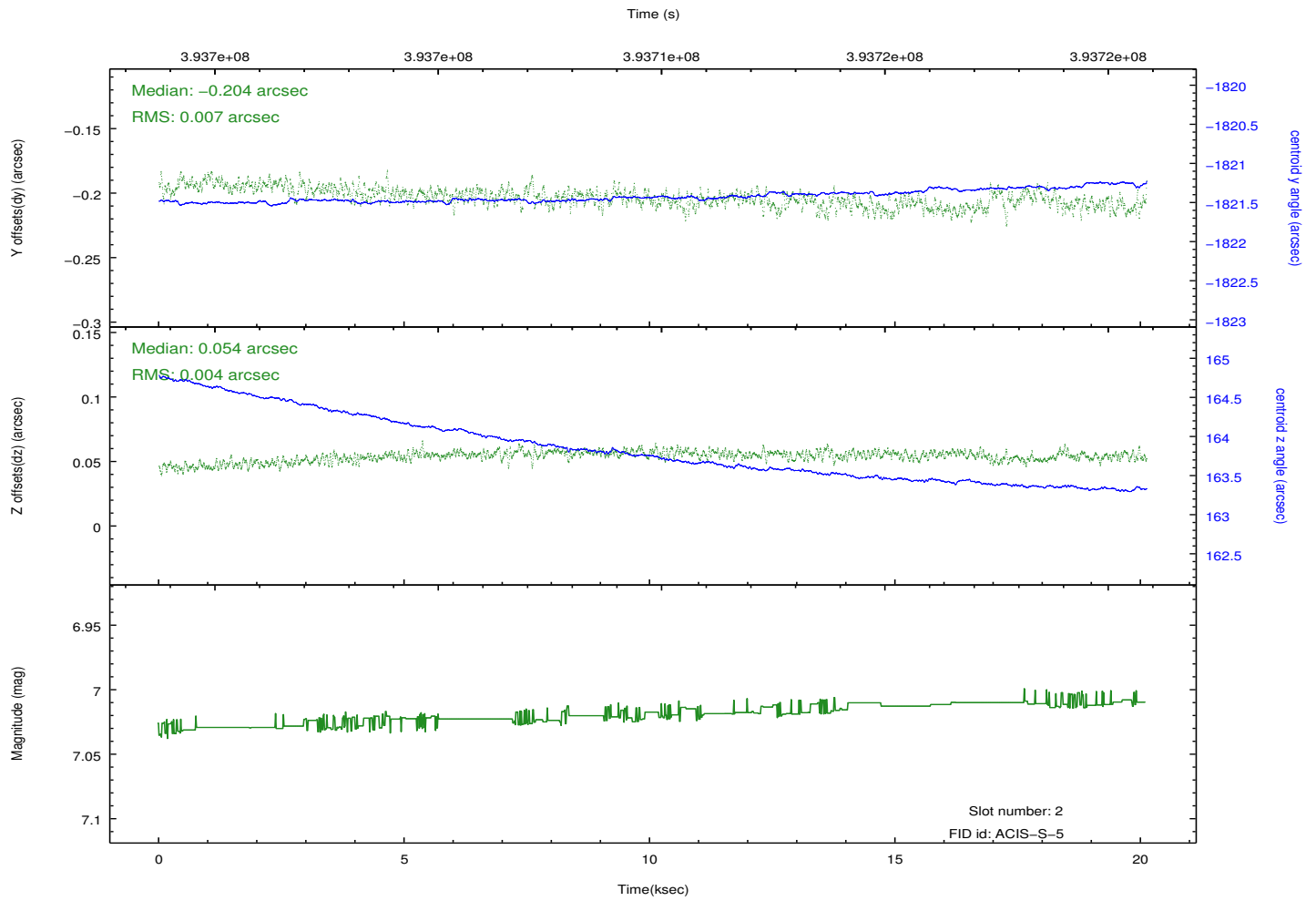
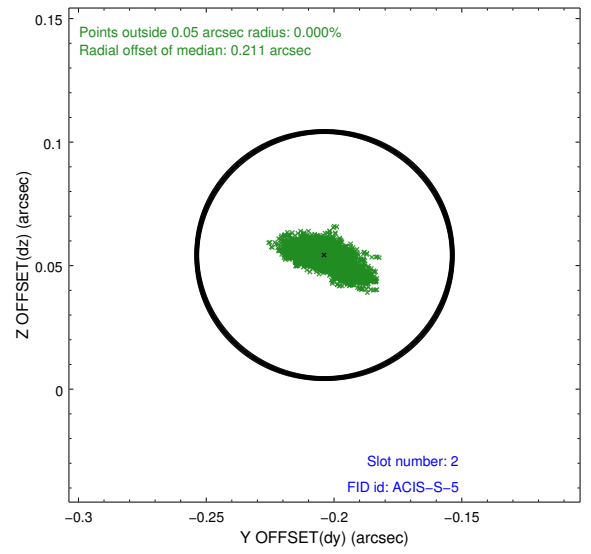
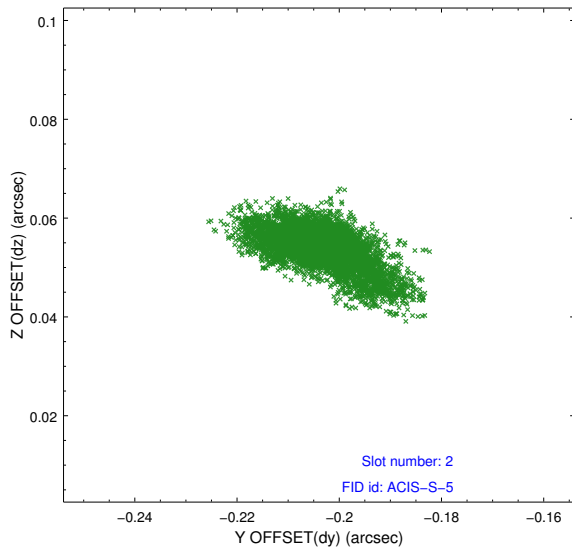
2.5.1 Slot 0



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)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.044799925387

A.2 Comments