

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10535 - L2 Version 2
Chandra X-Ray Center

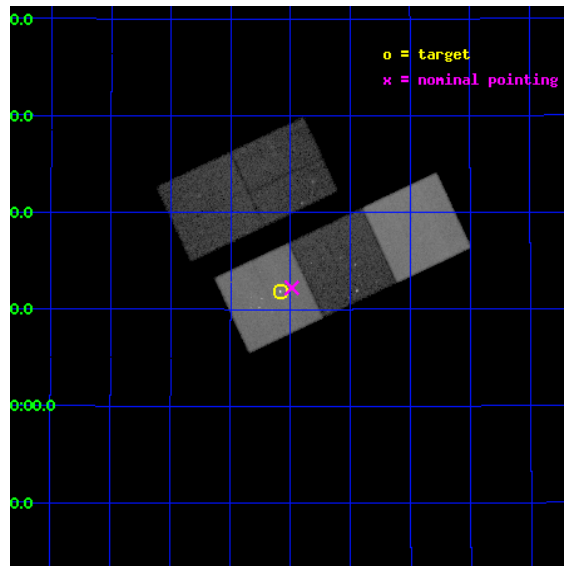
L2 Processing Date : Jun 2 2012

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1 Front

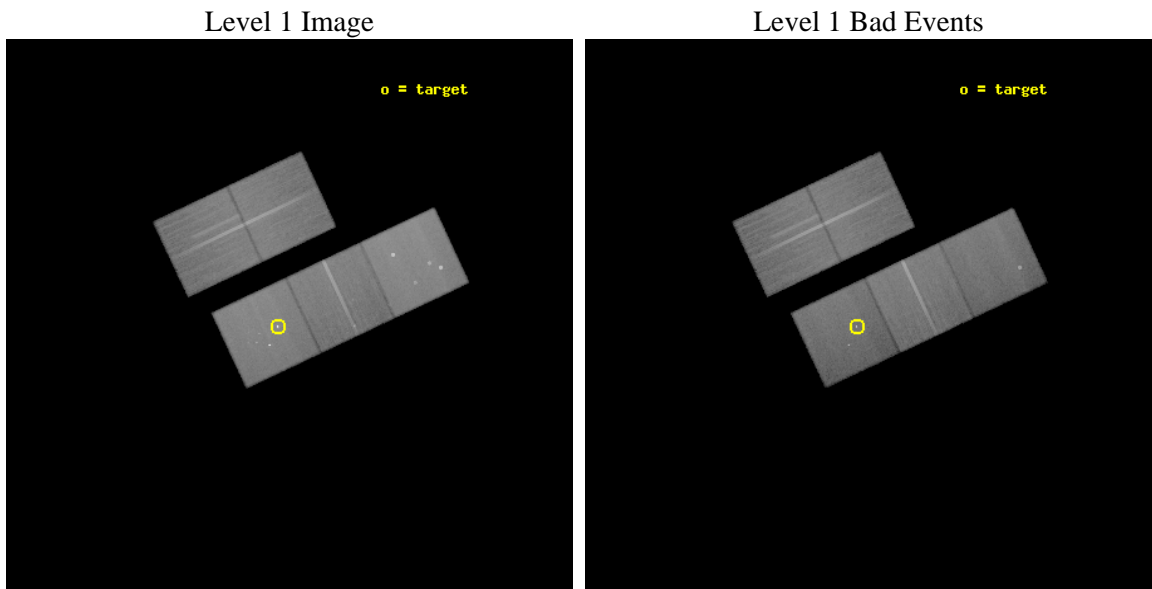
seq_num	600728	Sequence number
obs_id	10535	Observation id
title	Bondi accretion and jet power in a complete sample of elliptical galaxies	Proposal title
observer	Prof. Steven Allen	Principal investigator
object	NGC 4203	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.770833	Observer's specified target RA [deg]
dec_targ	33.197222	Observer's specified target Dec [deg]
ra_nom	183.74705867952	Nominal RA [deg]
dec_nom	33.20381018264	Nominal Dec [deg]
roll_nom	154.83158973846	Nominal Roll [deg]
revision	2	Processing version of data
ontime	42181.700324416	Sum of GTIs [s]
livetime	41630.565355962	Livetime [s]
ontime2	42178.559314072	Sum of GTIs [s]
ontime3	42169.13628304	Sum of GTIs [s]
ontime5	42181.700324416	Sum of GTIs [s]
ontime6	42178.559304178	Sum of GTIs [s]
ontime7	42181.700324416	Sum of GTIs [s]
l2events	539101	Number of level 2 events



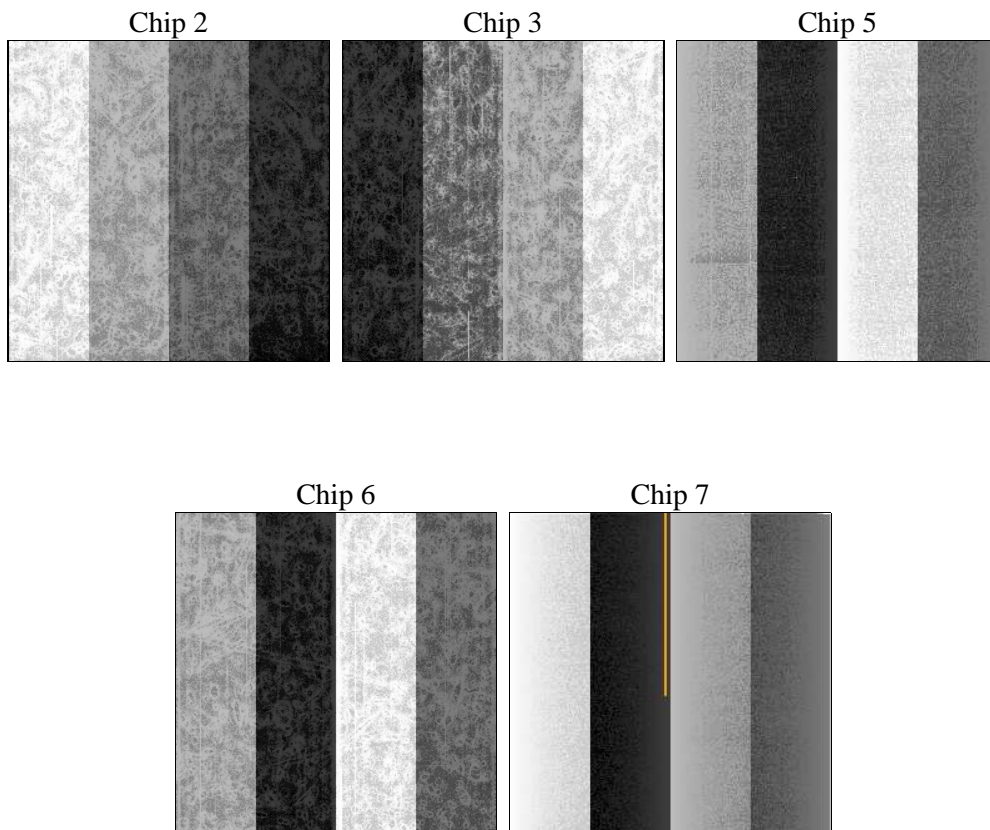
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	42150.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	42181.700324416	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	42178.559314072	Sum of GTIs [s]
date	2012-06-02T02:25:12	Date and time of file creation	ontime3	42169.13628304	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	42181.700324416	Sum of GTIs [s]
			ontime6	42178.559304178	Sum of GTIs [s]
			ontime7	42181.700324416	Sum of GTIs [s]
			l1events	2073502	Number of level 1 events

2.1.4 Events

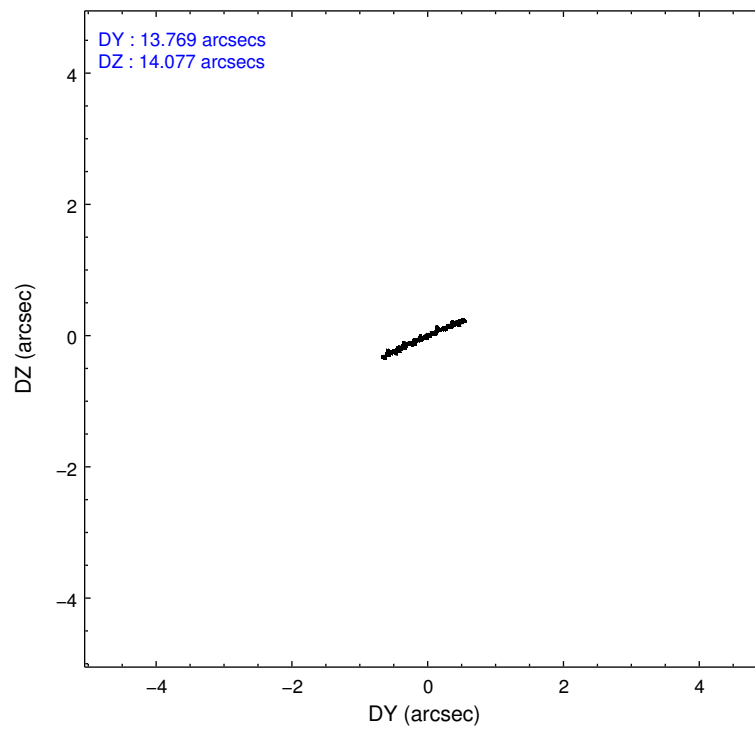
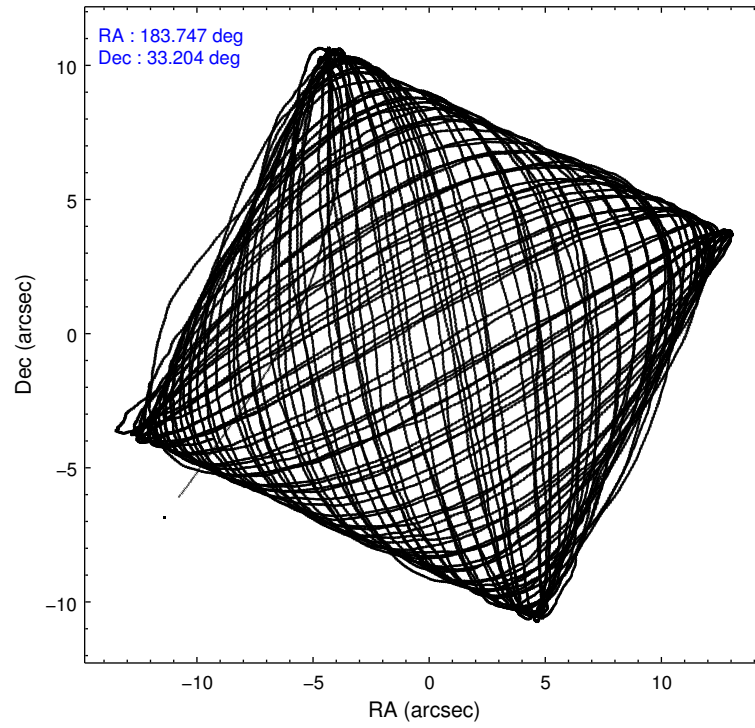
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	369892	357954	527461	374484	443711
rejected events	333230	323679	265794	335490	233379
rejected %	90%	90%	50%	89%	52%

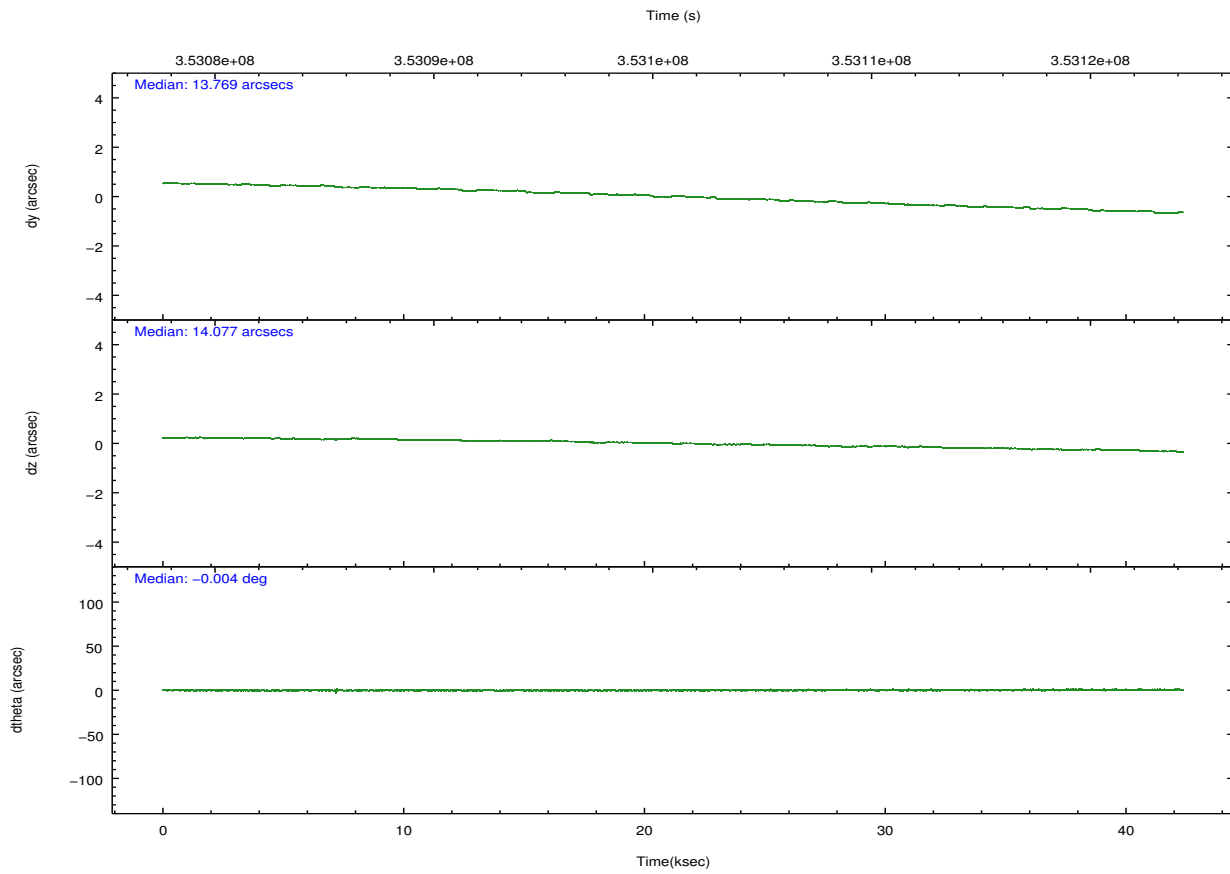
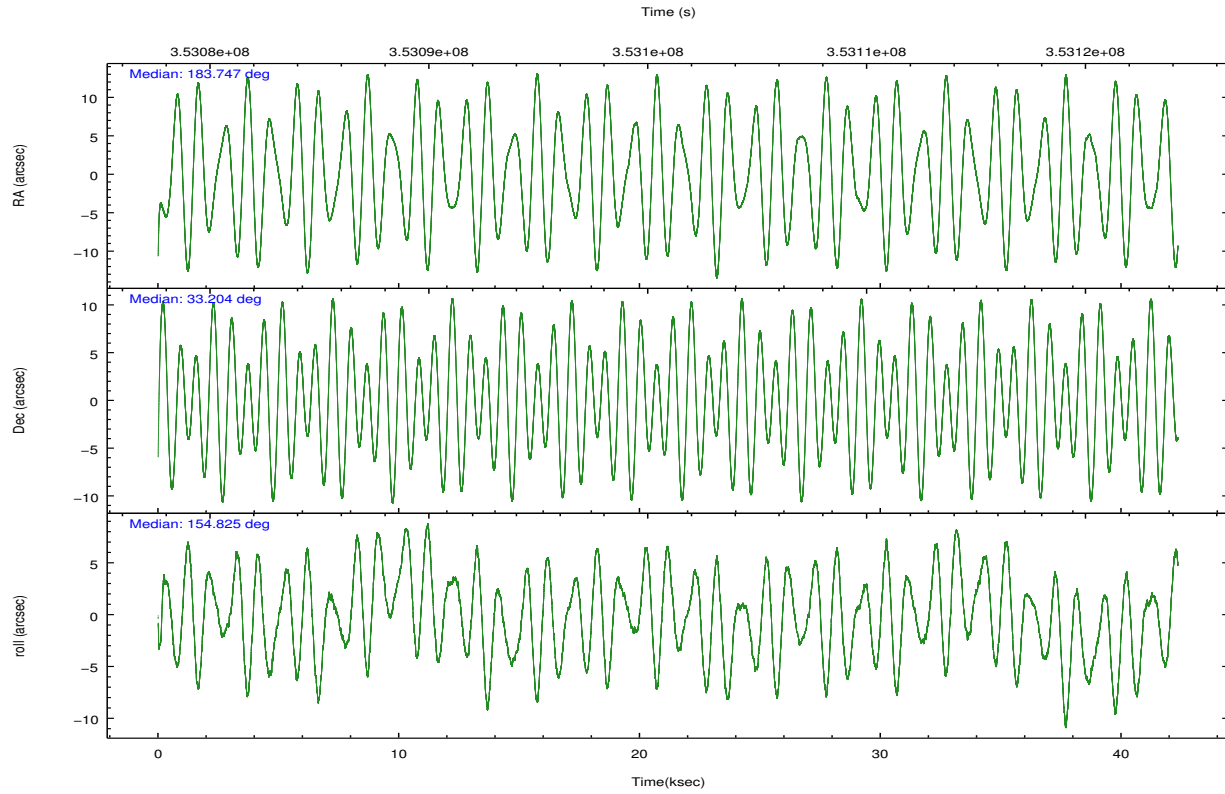
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	12962	11912	28477	13771	23683
	3%	3%	5%	3%	5%
grade 1 events	216	190	969	197	995
	0%	0%	0%	0%	0%
grade 2 events	8756	7637	78224	8725	43764
	2%	2%	14%	2%	9%
grade 3 events	3924	4074	10610	4092	19176
	1%	1%	2%	1%	4%
grade 4 events	4042	3743	9491	4138	18766
	1%	1%	1%	1%	4%
grade 5 events	12620	14984	41281	15293	44891
	3%	4%	7%	4%	10%
grade 6 events	6989	6913	134886	8269	104961
	1%	1%	25%	2%	23%
grade 7 events	320383	308501	223523	319999	187475
	86%	86%	42%	85%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	183.779598	183.747058679521	CCD I2 on	O1	Y
[deg] Pointing Dec	33.206472	33.2038101826399	CCD I3 on	Y	Y
[deg] Pointing Roll	154.657143	154.8315897384609	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	N	N
[s] Observation start time (MET)	353079959.184000	353079010.92874	CCD S5 on	N	N
Observation start date	2009-03-10T13:44:53	2009-03-10T13:30:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	353122109.184000	353122640.05591	On-chip summing requested	N	N
Observation end date	2009-03-11T01:27:23	2009-03-11T01:37:20	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



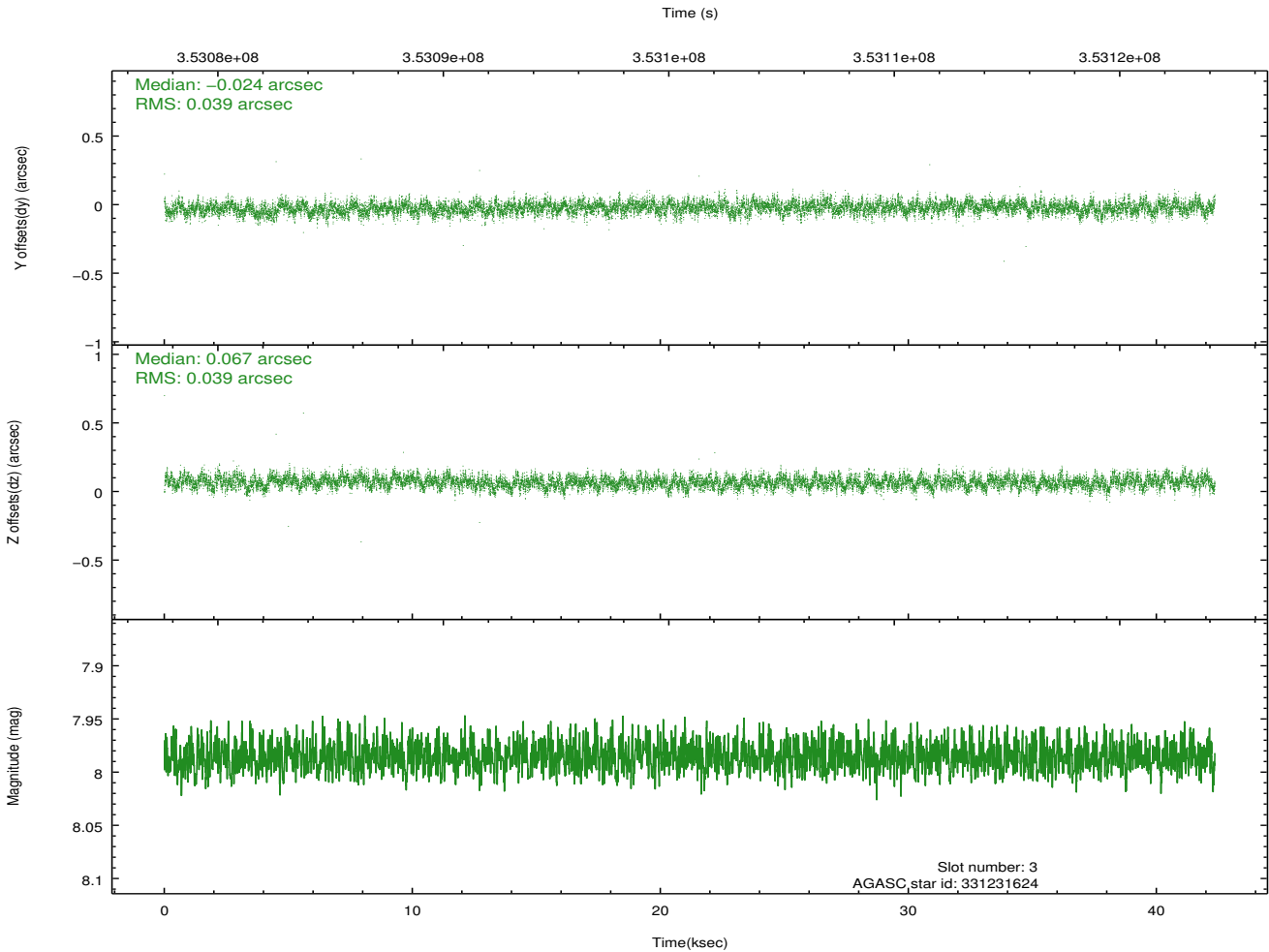
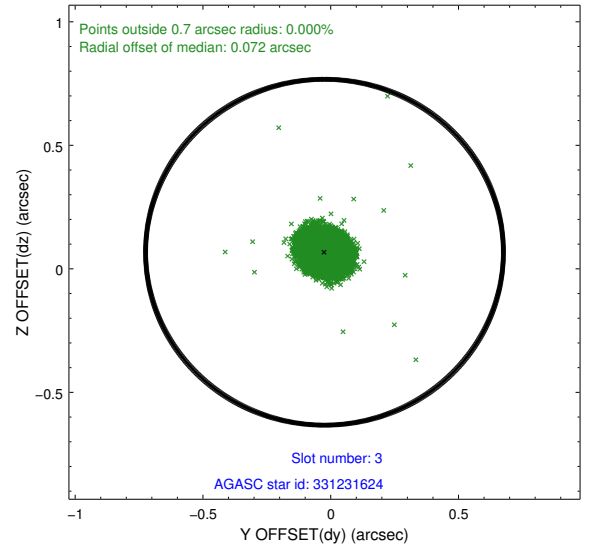
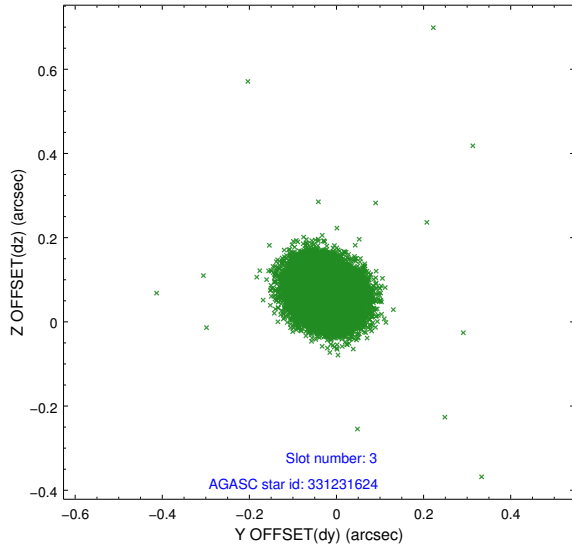


Slot Statistics

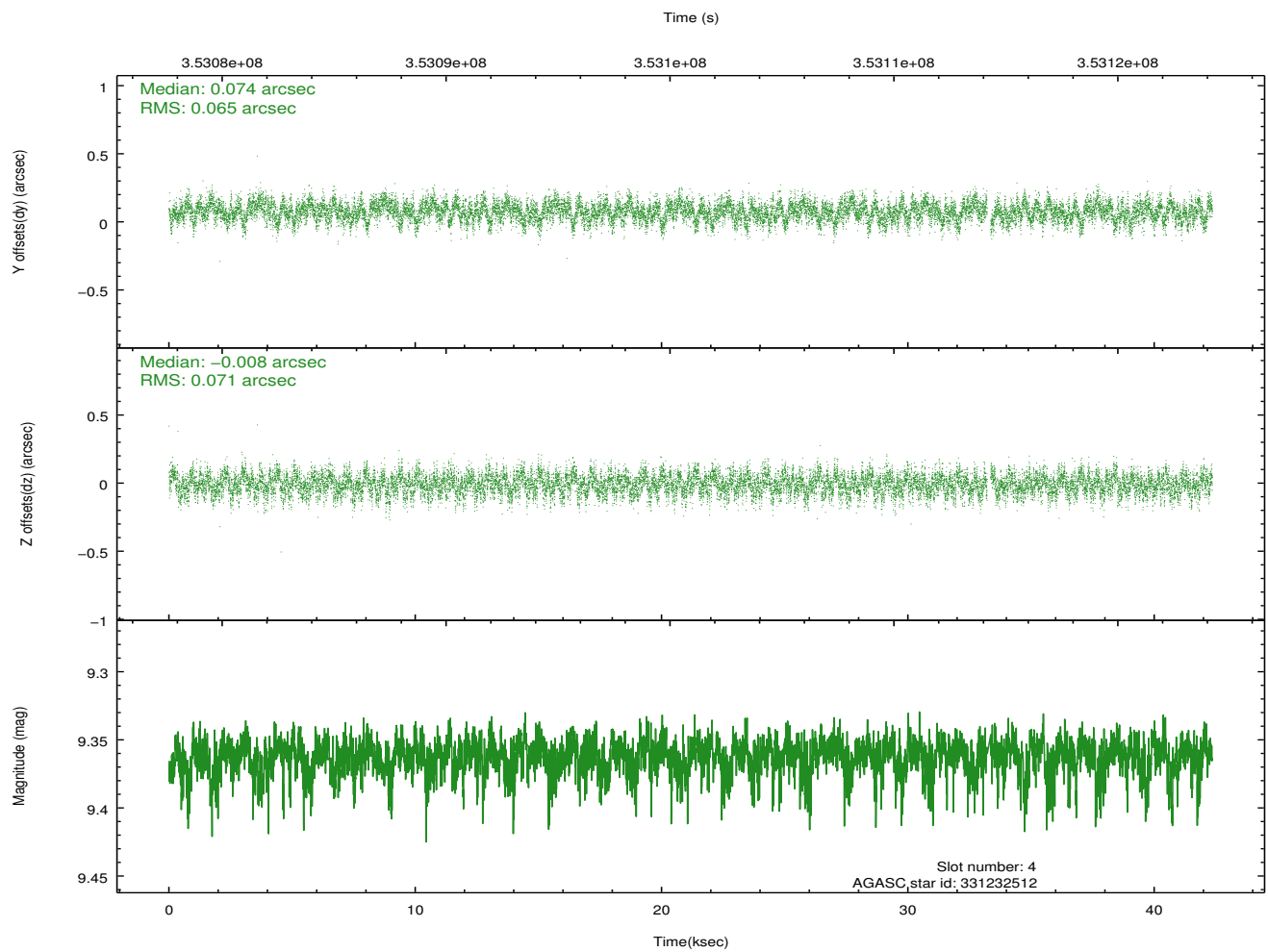
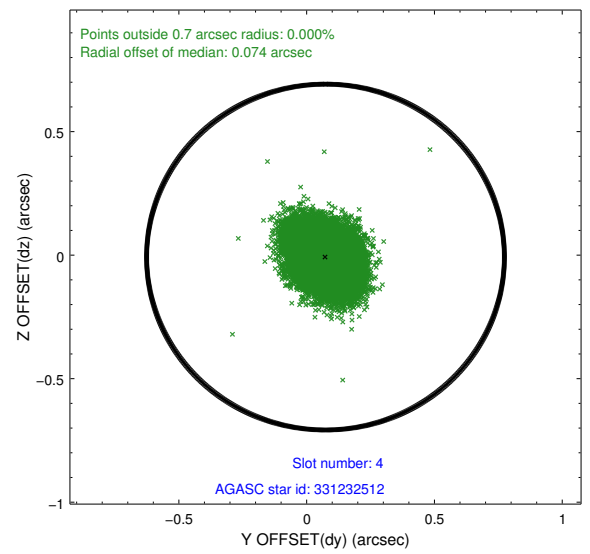
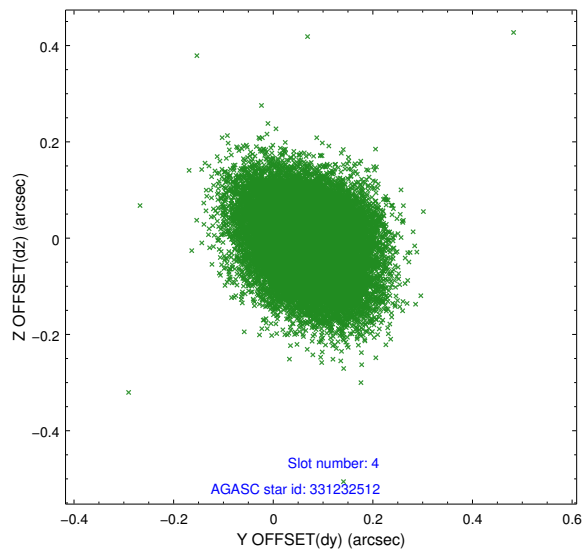
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	10329	-0.061	-0.058	0.018	0.028	0.000000	0.000000	-766.74	-1735.43
1	FID	ACIS-S-4	7.04	10330	0.212	0.046	0.017	0.043	0.000000	0.000000	2146.79	173.16
2	FID	ACIS-S-5	7.07	10329	-0.179	0.026	0.014	0.021	0.000000	0.000000	-1819.70	166.80
3	GUIDE	331231624	7.99	20657	-0.024	0.067	0.058	0.094	183.558239	33.450173	977.51	-508.39
4	GUIDE	331232512	9.36	20561	0.074	-0.008	0.102	0.166	183.921245	32.791183	-1026.73	1167.90
5	GUIDE	331234016	8.25	20657	-0.041	-0.036	0.067	0.107	183.789877	32.841161	-590.63	1175.28
6	GUIDE	331235608	9.14	20640	0.051	0.003	0.117	0.191	183.835580	32.650973	-1008.69	1735.08
7	GUIDE	331230160	9.87	20600	-0.061	-0.025	0.125	0.215	183.506966	32.969613	379.26	1121.67

2.4 Star Slots

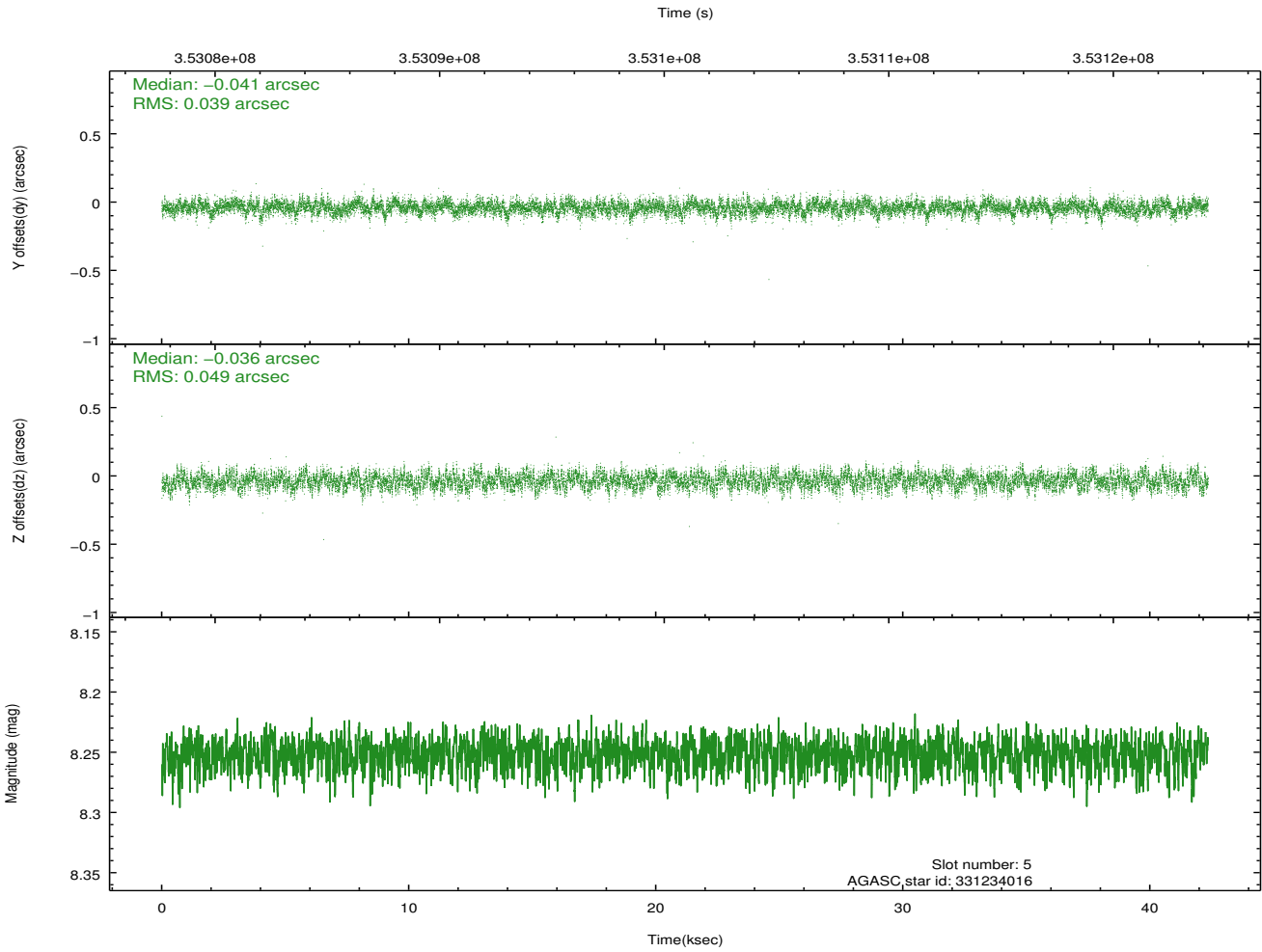
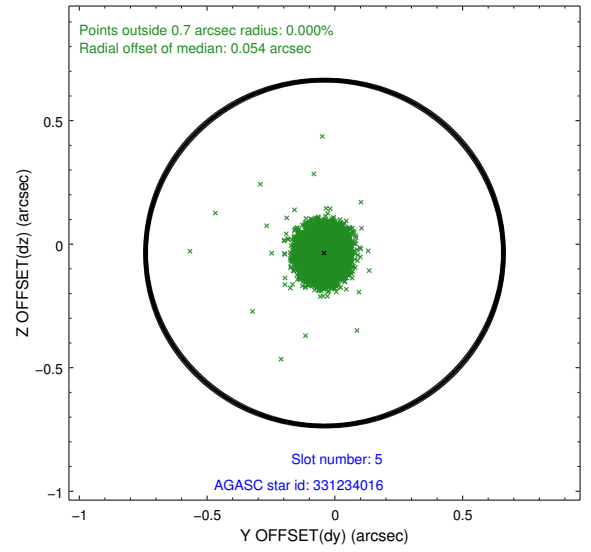
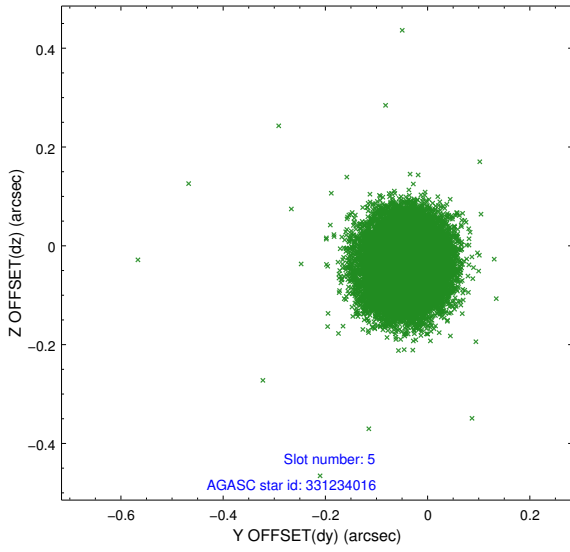
2.4.1 Slot 3



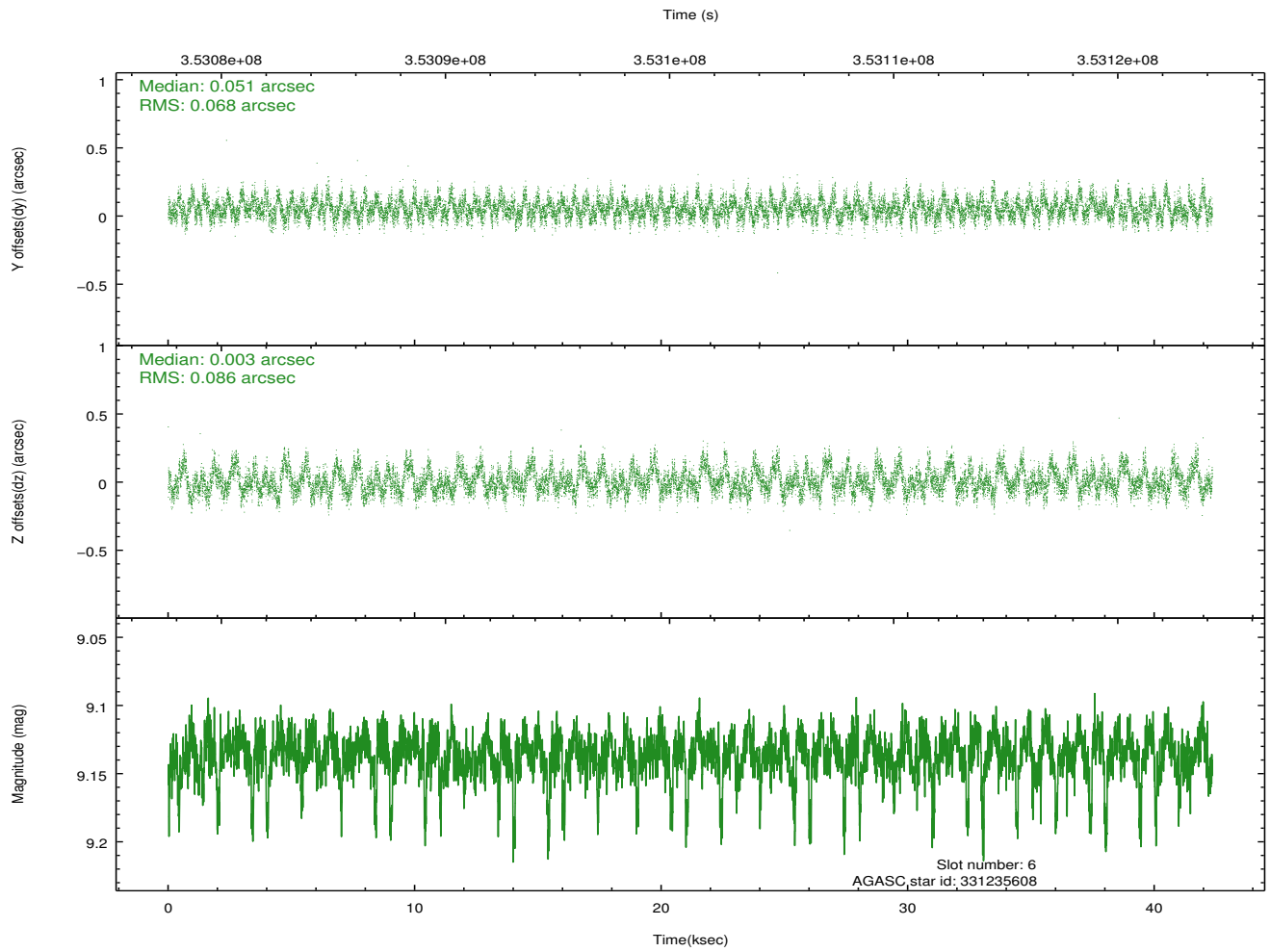
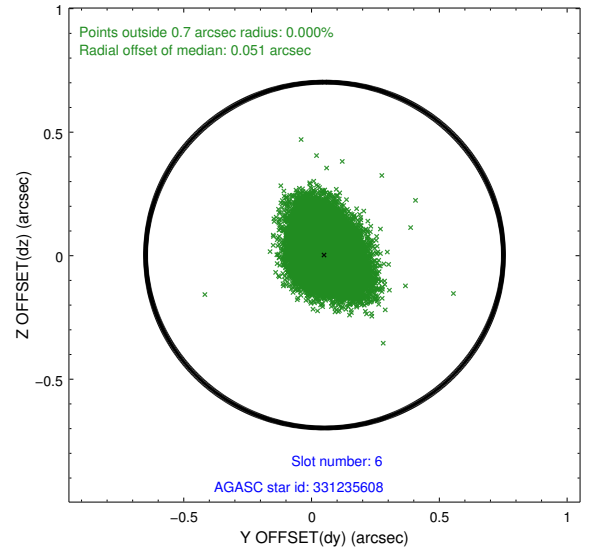
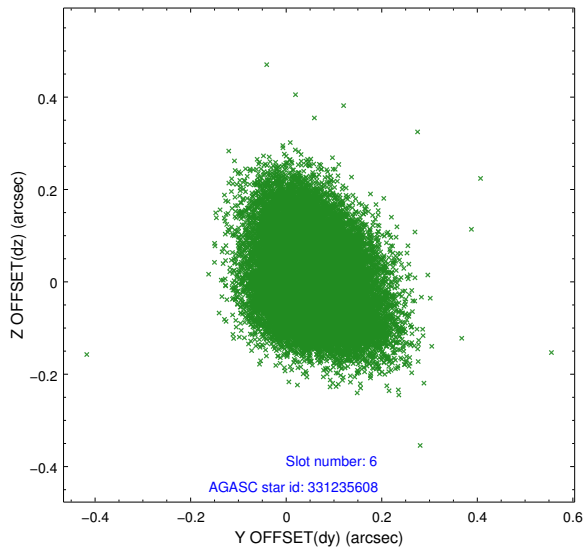
2.4.2 Slot 4



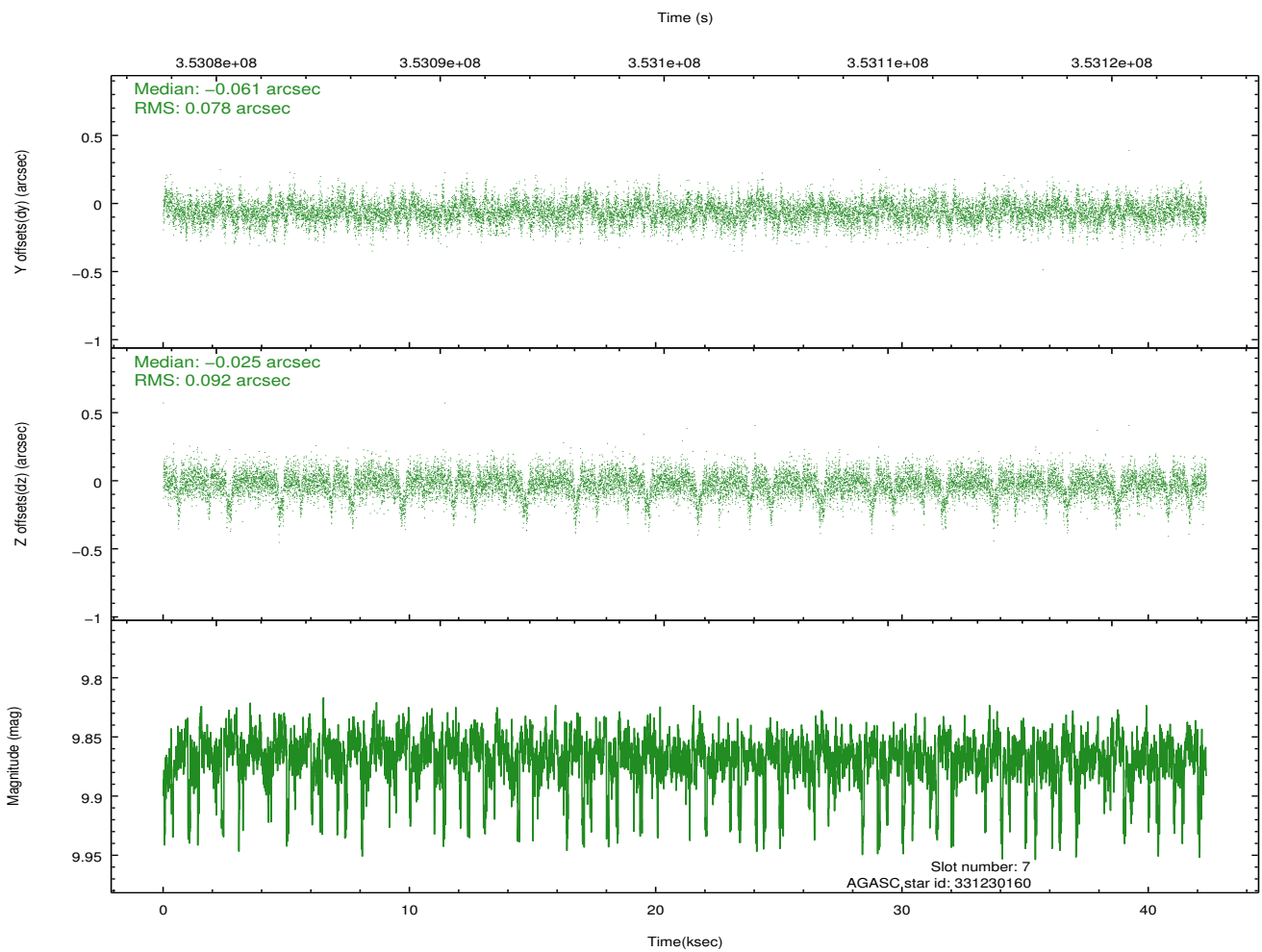
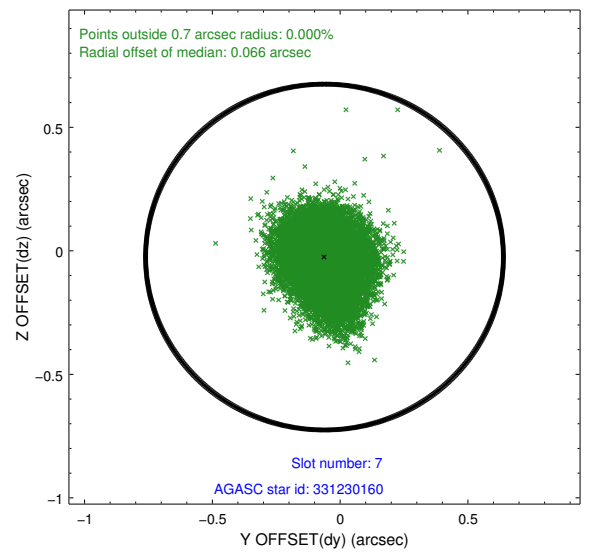
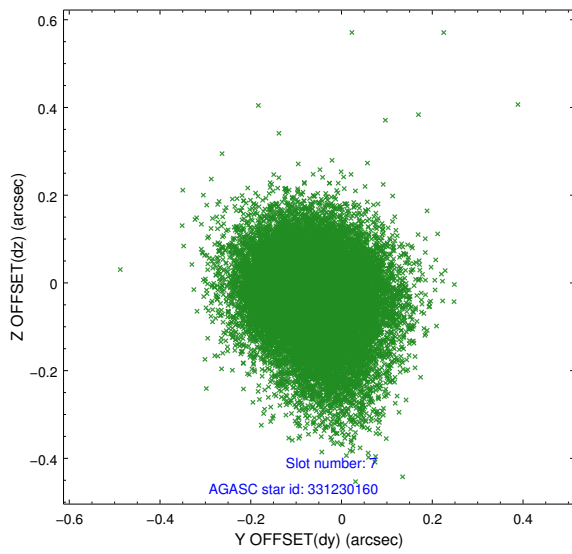
2.4.3 Slot 5



2.4.4 Slot 6

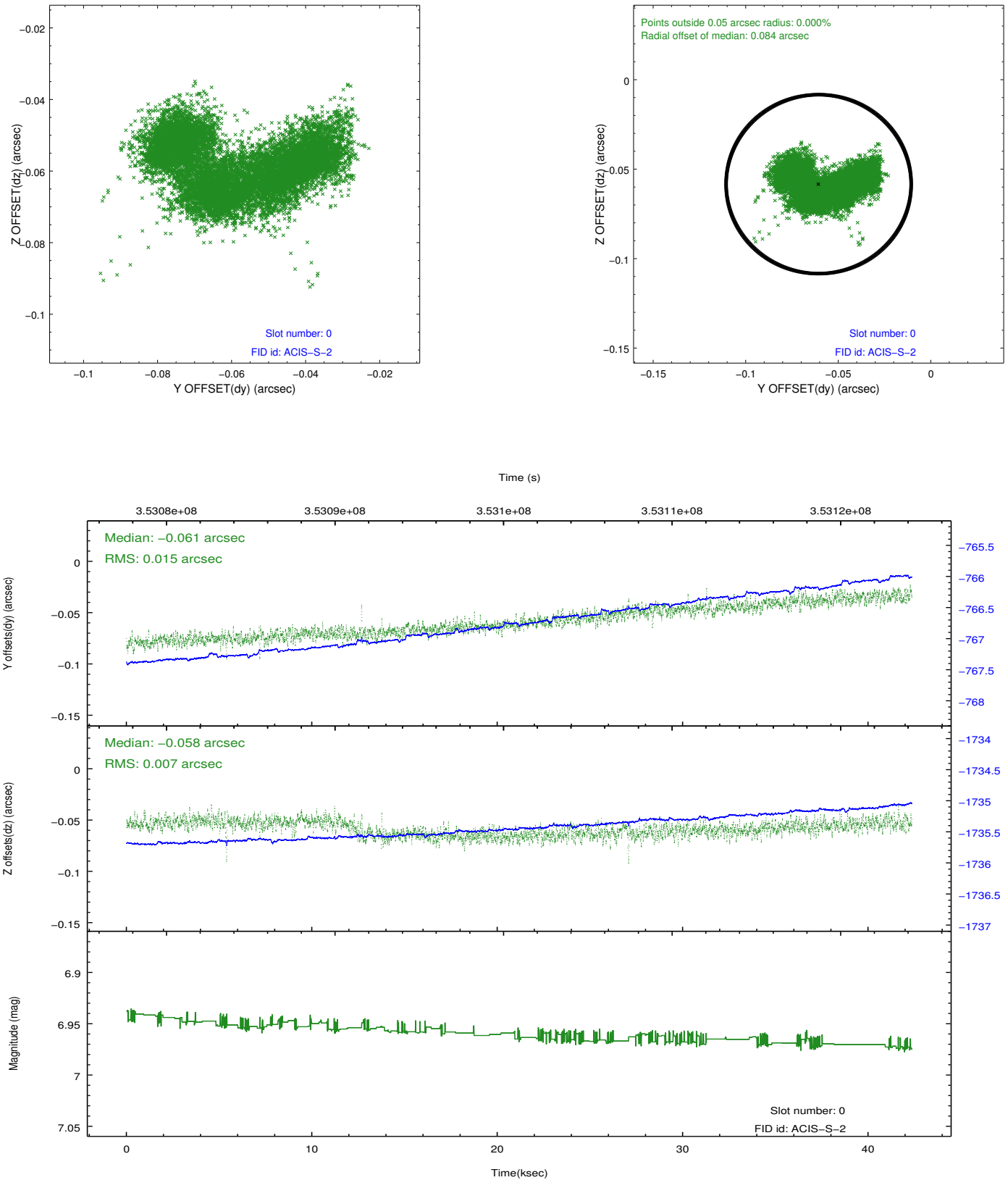


2.4.5 Slot 7

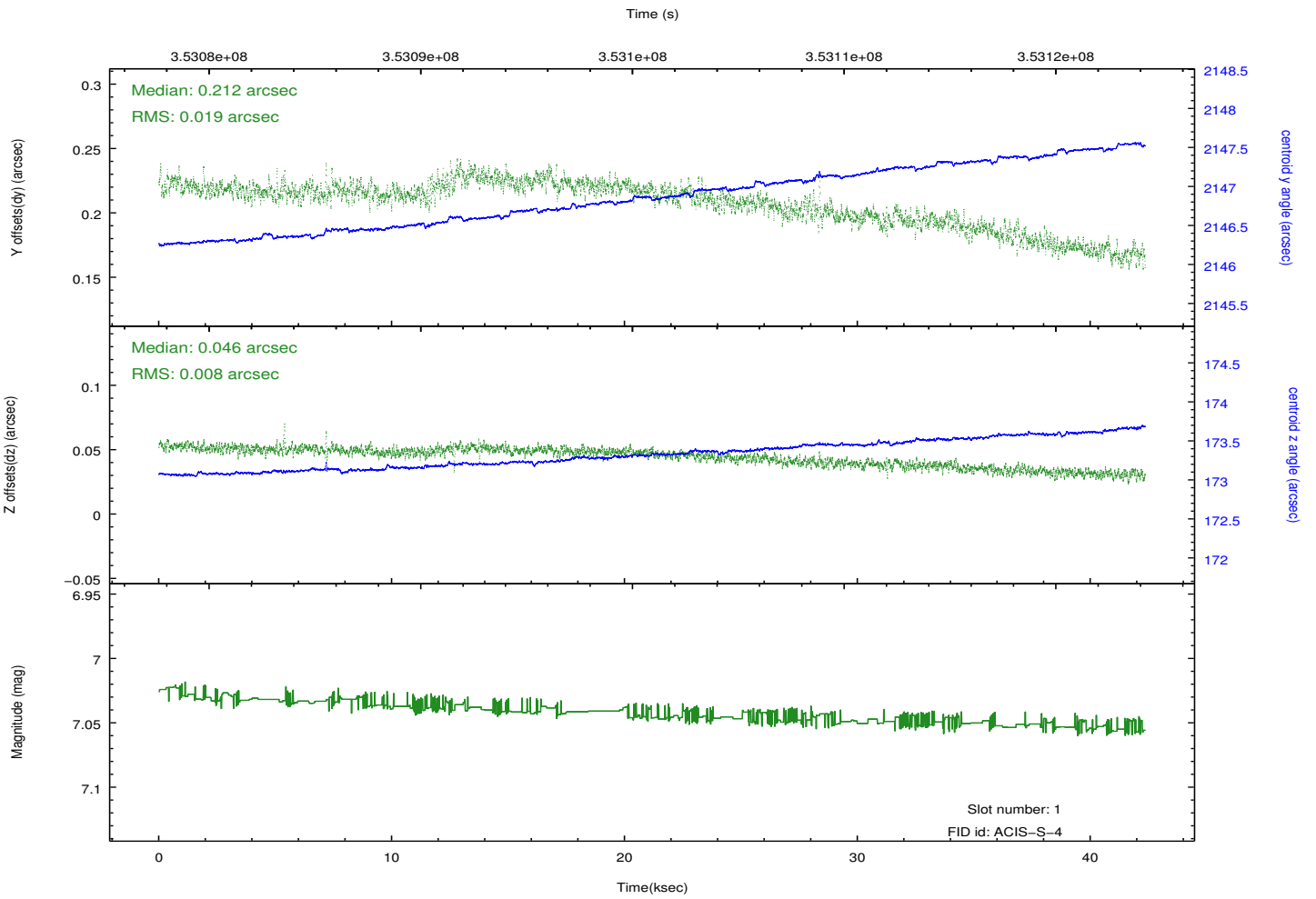
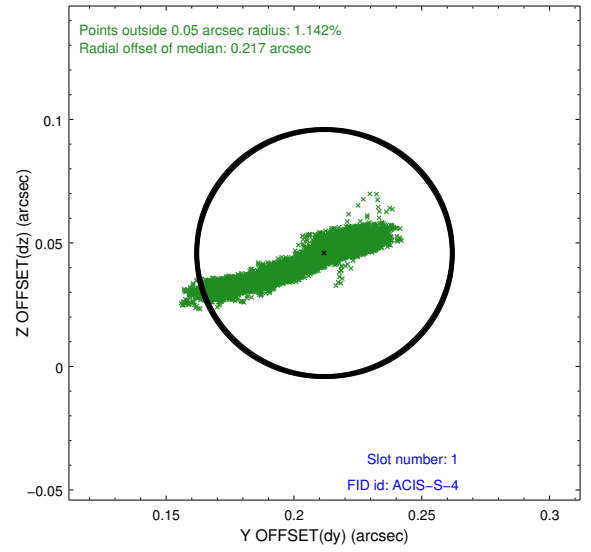
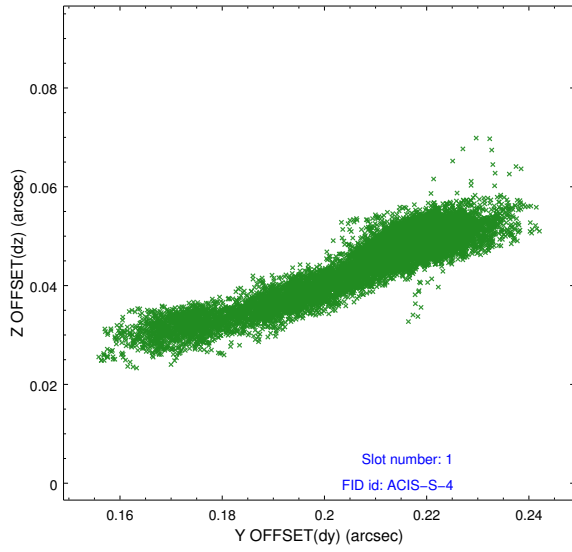


2.5 FID Slots

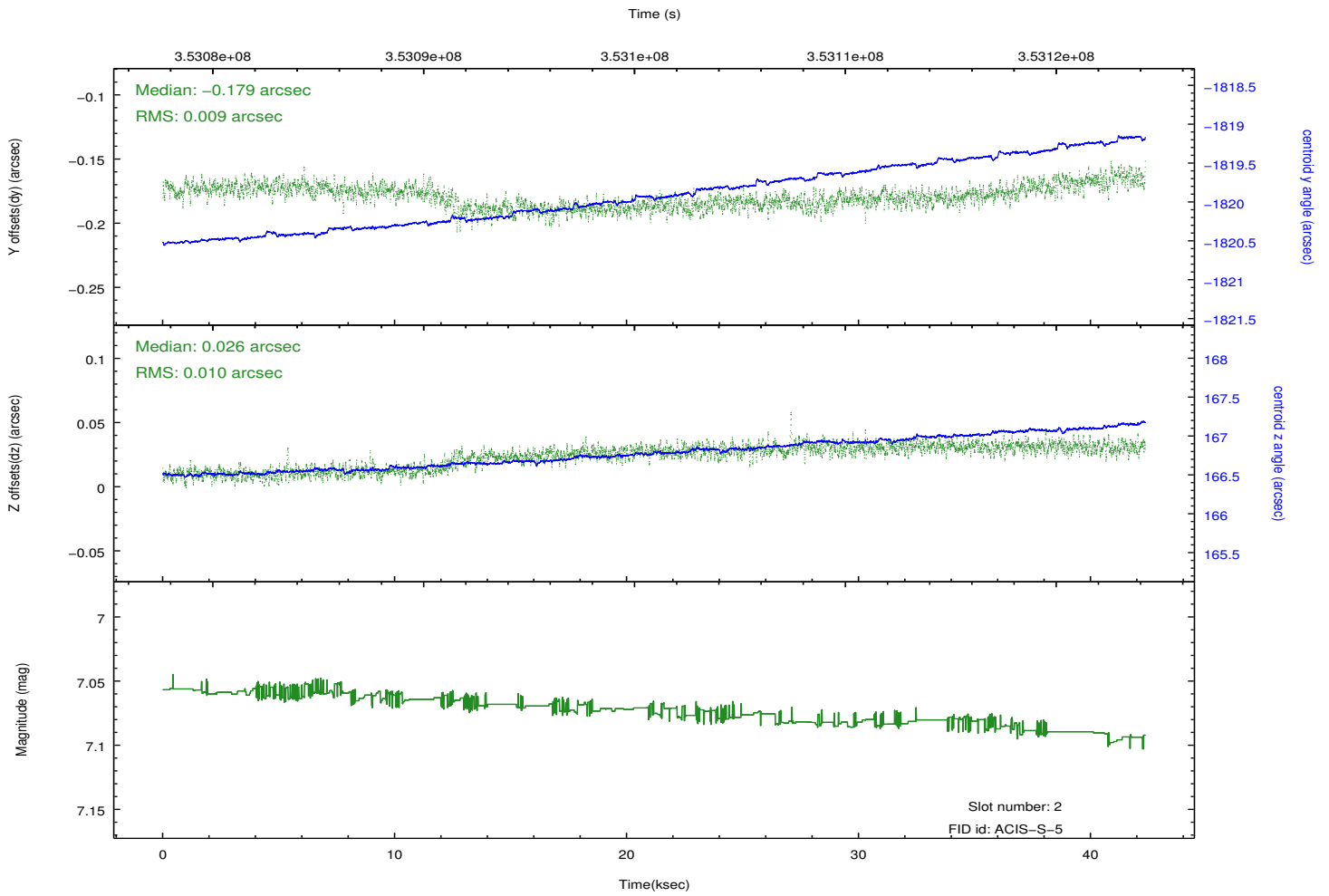
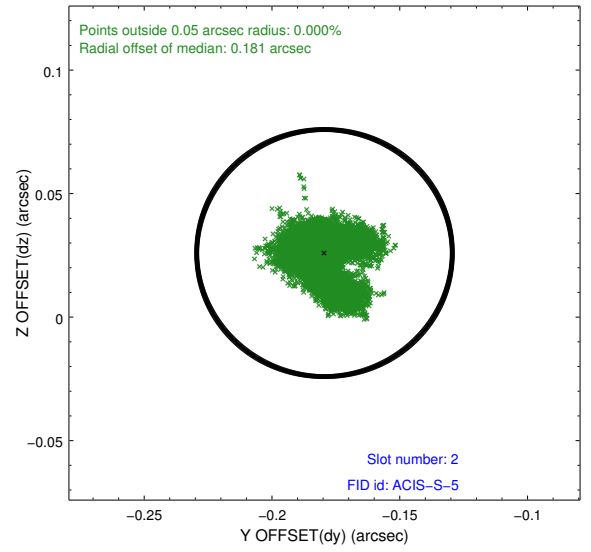
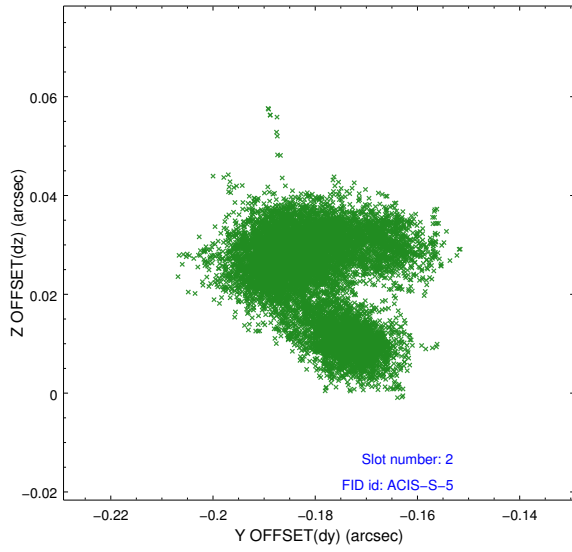
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	42.1817003

A.2 Comments