

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10536 - L2 Version 2
Chandra X-Ray Center

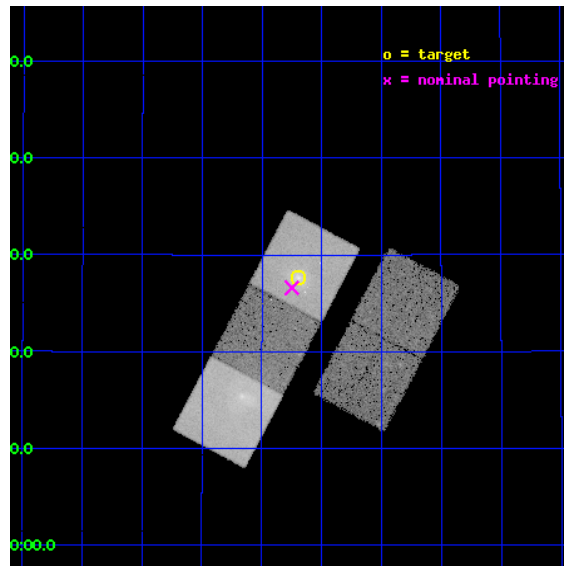
L2 Processing Date : May 30 2012

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1 Front

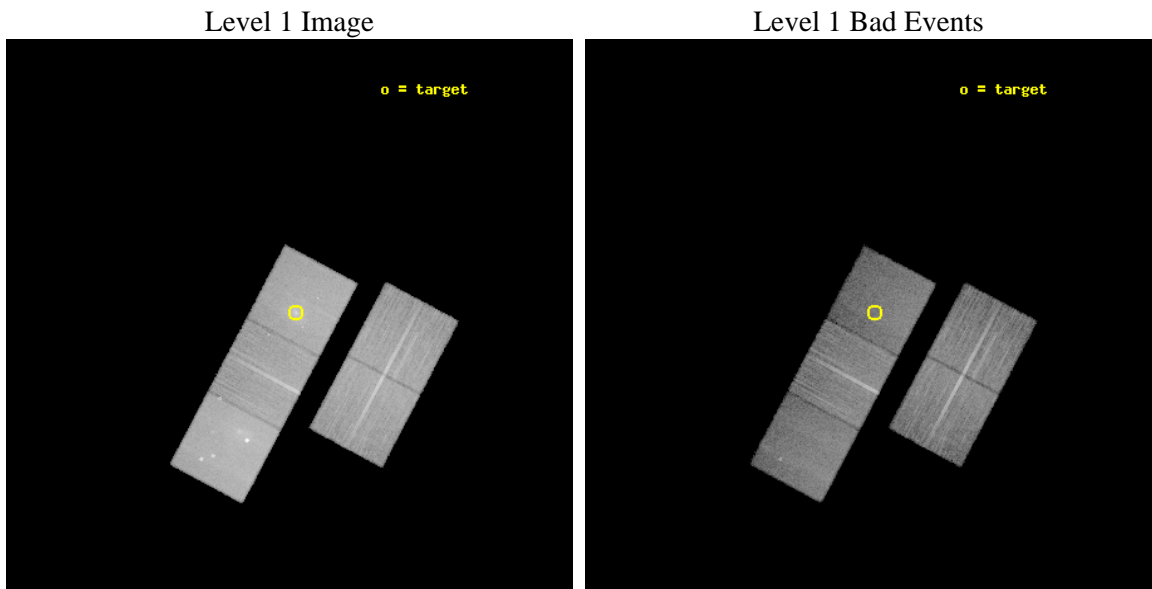
seq_num	600729	Sequence number
obs_id	10536	Observation id
title	Bondi accretion and jet power in a complete sample of elliptical galaxies	Proposal title
observer	Prof. Steven Allen	Principal investigator
object	NGC 499	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	20.797917	Observer's specified target RA [deg]
dec_targ	33.460556	Observer's specified target Dec [deg]
ra_nom	20.812263726564	Nominal RA [deg]
dec_nom	33.443386094399	Nominal Dec [deg]
roll_nom	297.94872952234	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18637.200143337	Sum of GTIs [s]
livetime	18393.691402957	Livetime [s]
ontime2	18630.918192744	Sum of GTIs [s]
ontime3	18634.059183002	Sum of GTIs [s]
ontime5	18637.200143337	Sum of GTIs [s]
ontime6	18637.200143337	Sum of GTIs [s]
ontime7	18637.200143337	Sum of GTIs [s]
l2events	267910	Number of level 2 events



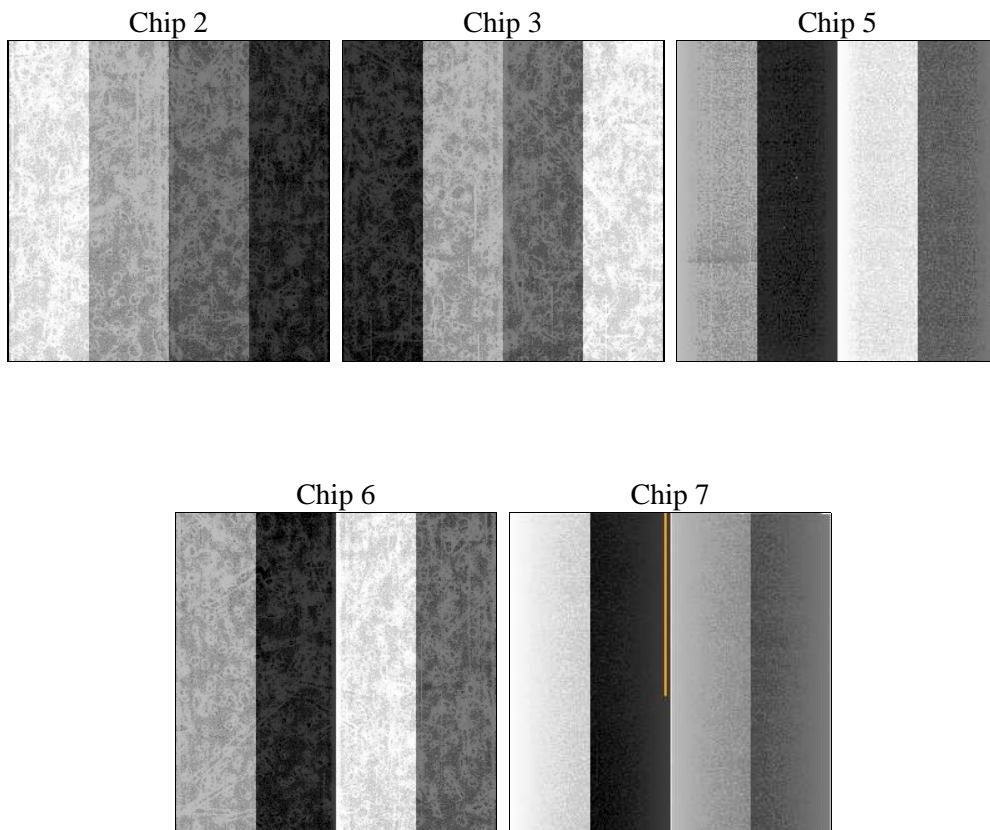
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18637.200143337	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	18630.918192744	Sum of GTIs [s]
date	2012-05-30T23:51:56	Date and time of file creation	ontime3	18634.059183002	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	18637.200143337	Sum of GTIs [s]
			ontime6	18637.200143337	Sum of GTIs [s]
			ontime7	18637.200143337	Sum of GTIs [s]
			l1events	951250	Number of level 1 events

2.1.4 Events

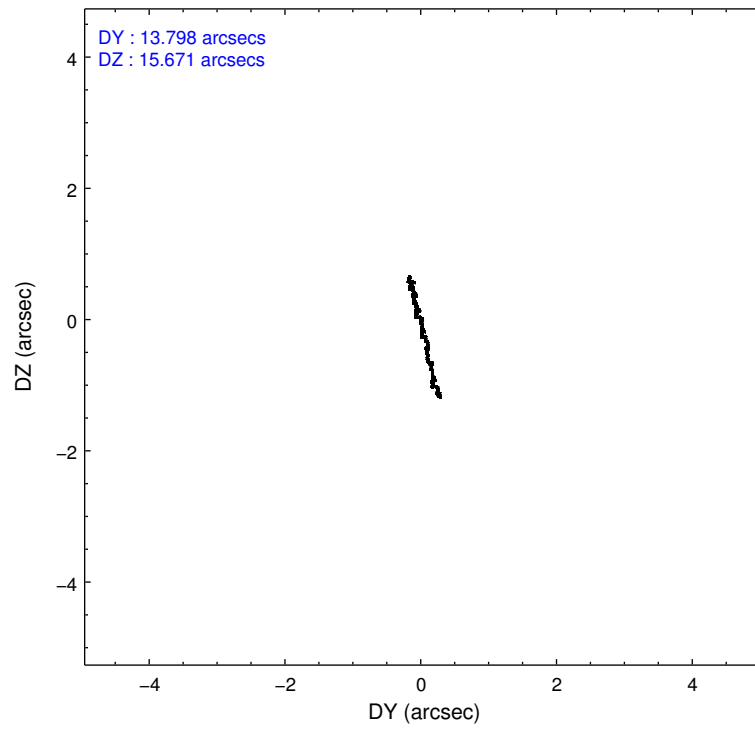
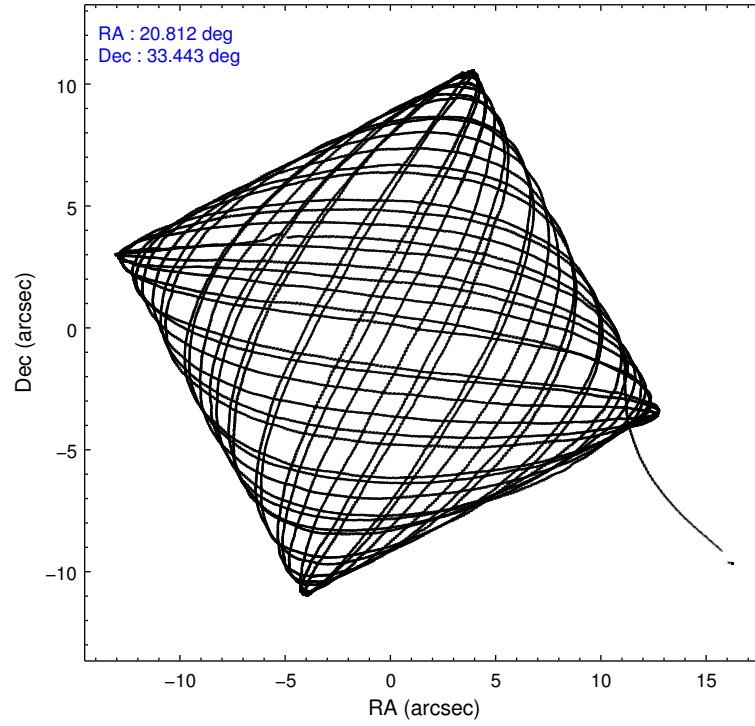
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	166548	157497	254515	171558	201132
rejected events	149752	142390	119113	149666	102658
rejected %	89%	90%	46%	87%	51%

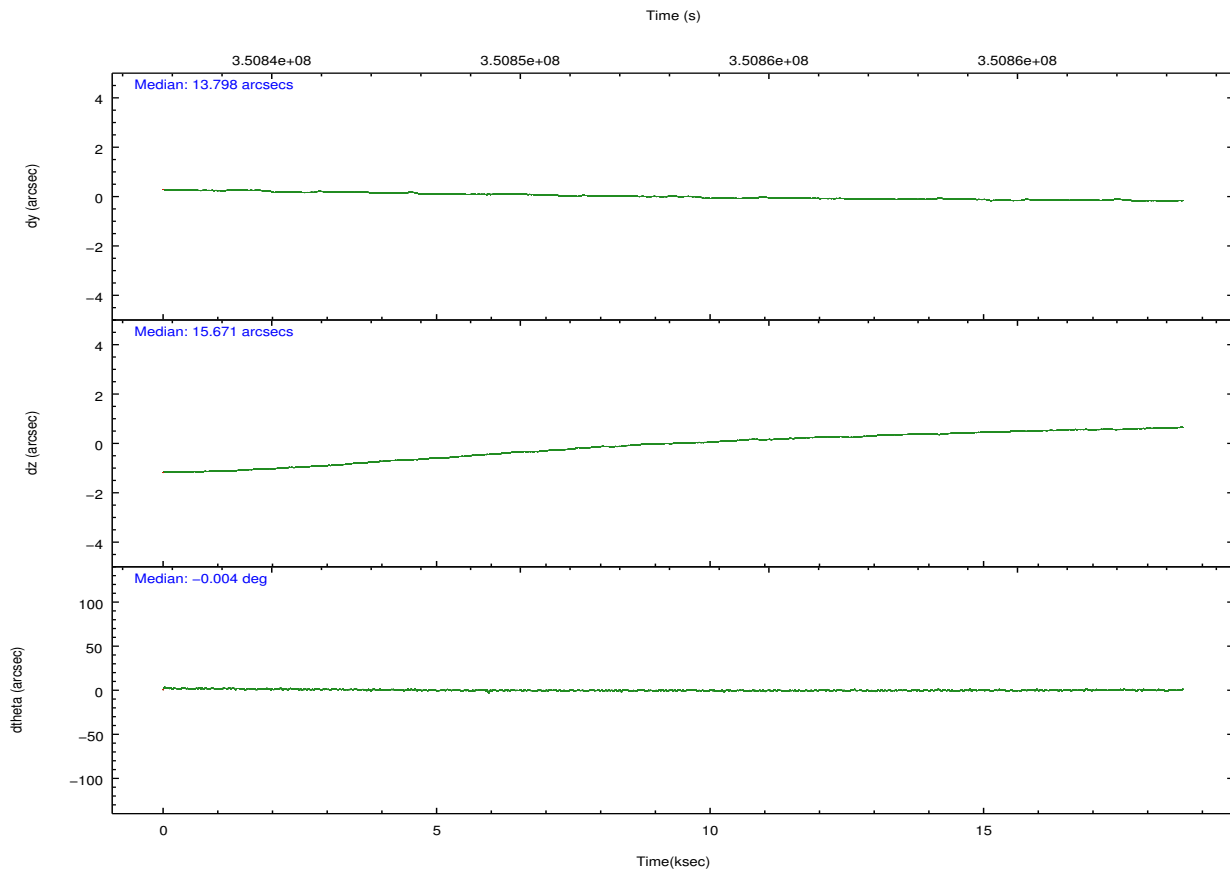
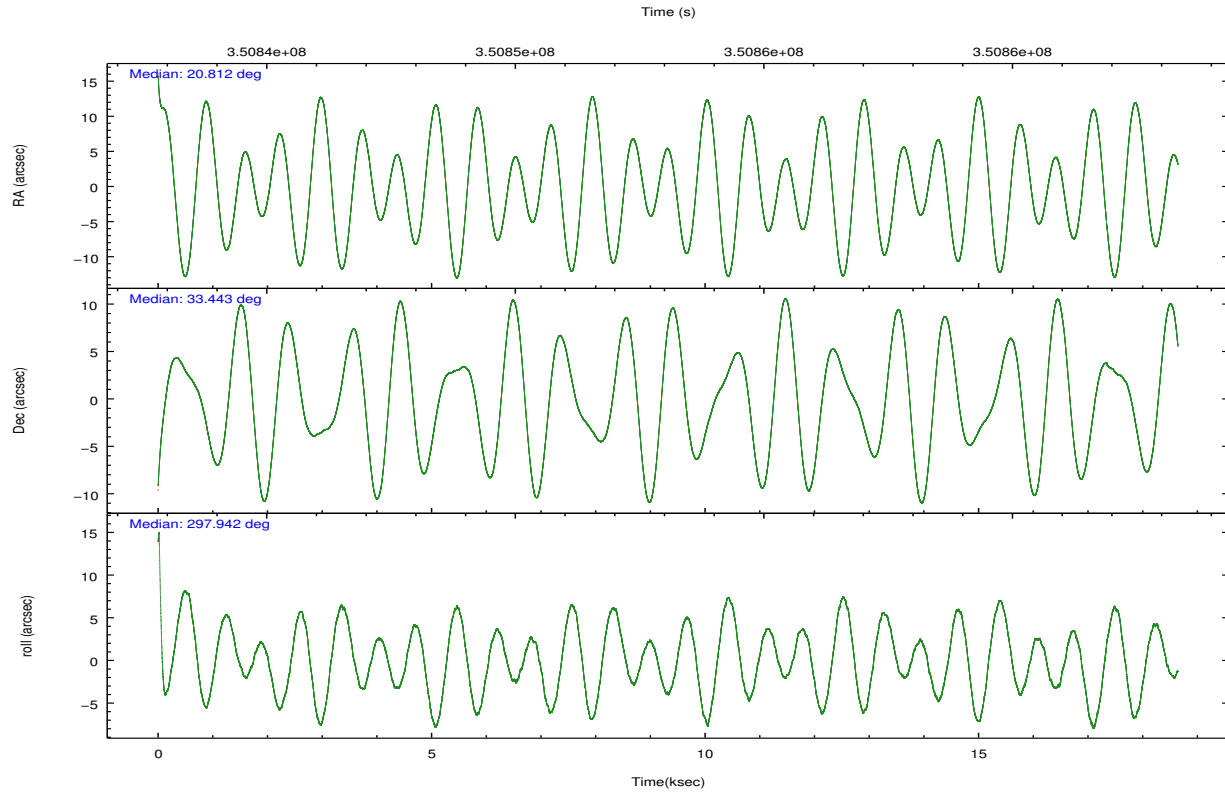
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	6603	5553	21756	10250	13174
	3%	3%	8%	5%	6%
grade 1 events	90	96	464	96	259
	0%	0%	0%	0%	0%
grade 2 events	3923	3297	40119	4275	21392
	2%	2%	15%	2%	10%
grade 3 events	1704	1769	6825	1924	9483
	1%	1%	2%	1%	4%
grade 4 events	1803	1709	6290	1923	9408
	1%	1%	2%	1%	4%
grade 5 events	5555	6524	18364	6694	19666
	3%	4%	7%	3%	9%
grade 6 events	3020	2995	62369	3786	46315
	1%	1%	24%	2%	23%
grade 7 events	143850	135554	98328	142610	81435
	86%	86%	38%	83%	40%

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	20.784230	20.8122637265635	CCD I2 on	O1	Y
[deg] Pointing Dec	33.457545	33.4433860943993	CCD I3 on	Y	Y
[deg] Pointing Roll	297.807549	297.9487295223412	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	350843888.184000	350842776.51778	CCD S5 on	N	N
Observation start date	2009-02-12T16:37:02	2009-02-12T16:19:36	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	350862388.184000	350863299.0688	On-chip summing requested	N	N
Observation end date	2009-02-12T21:45:22	2009-02-12T22:01:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



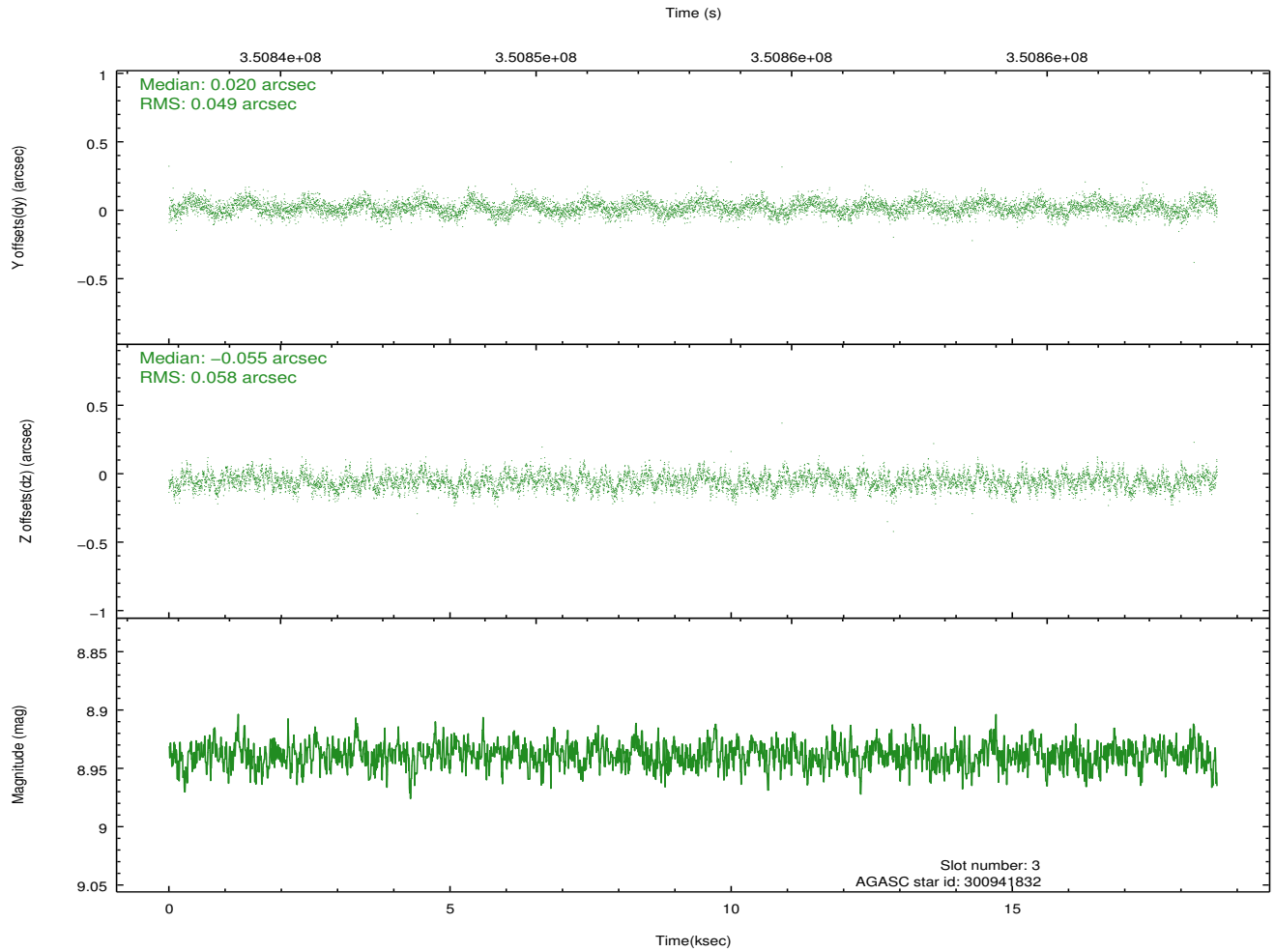
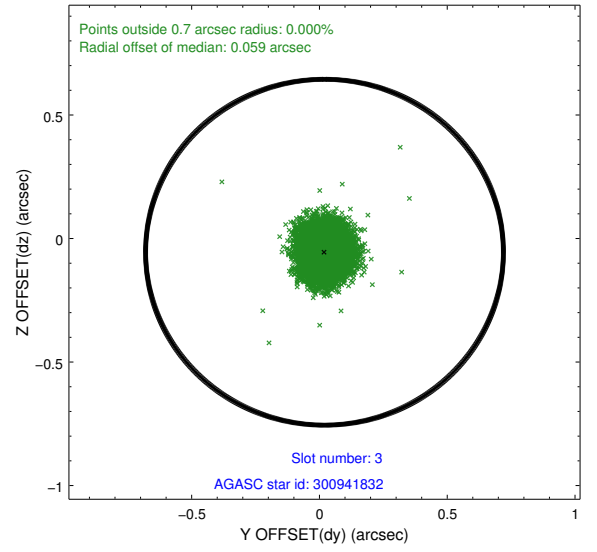
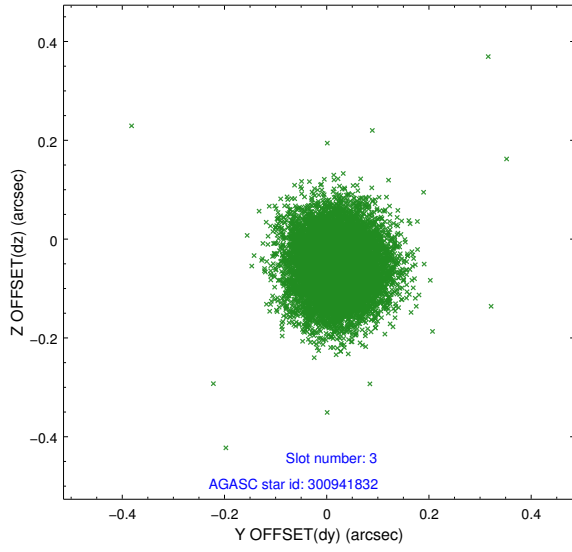


Slot Statistics

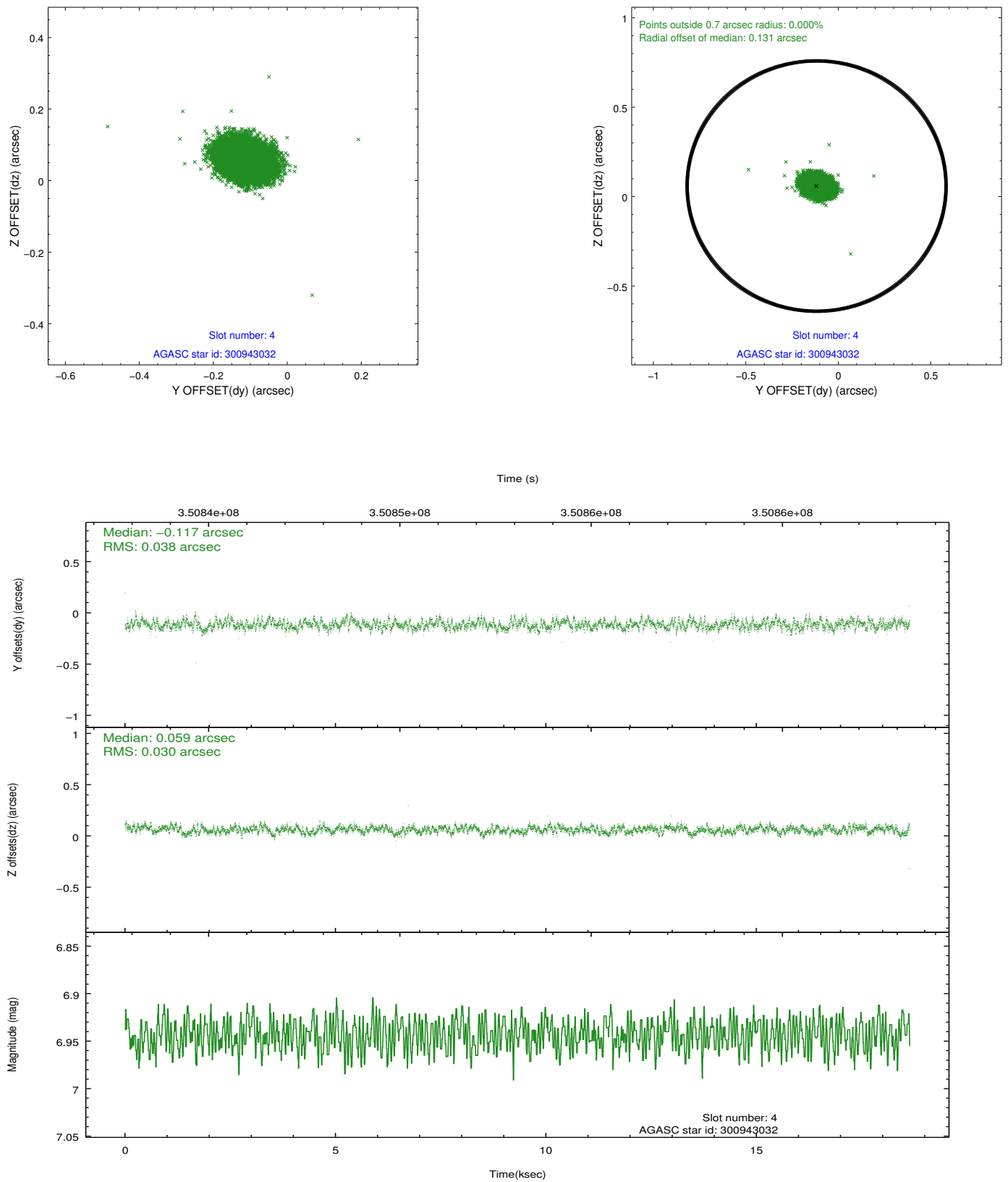
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	4548	-0.005	-0.035	0.008	0.013	0.000000	0.000000	-766.74	-1736.97
1	FID	ACIS-S-5	7.06	4548	-0.120	-0.004	0.009	0.014	0.000000	0.000000	-1820.08	164.81
2	FID	ACIS-S-6	7.17	4547	0.099	0.047	0.010	0.017	0.000000	0.000000	394.73	809.01
3	GUIDE	300941832	8.94	9094	0.020	-0.055	0.080	0.128	20.525278	33.237138	337.96	-1059.77
4	GUIDE	300943032	6.94	9095	-0.117	0.059	0.051	0.083	20.800487	33.289899	556.91	-238.31
5	GUIDE	300946312	9.07	9091	0.249	-0.043	0.071	0.115	21.172860	33.025821	1920.60	313.67
6	GUIDE	300948240	8.11	9030	0.170	-0.041	0.059	0.095	21.318271	32.949093	2368.60	575.27
7	GUIDE	301478752	6.26	9094	-0.325	0.078	0.058	0.095	20.906152	34.245889	-2341.21	1647.25

2.4 Star Slots

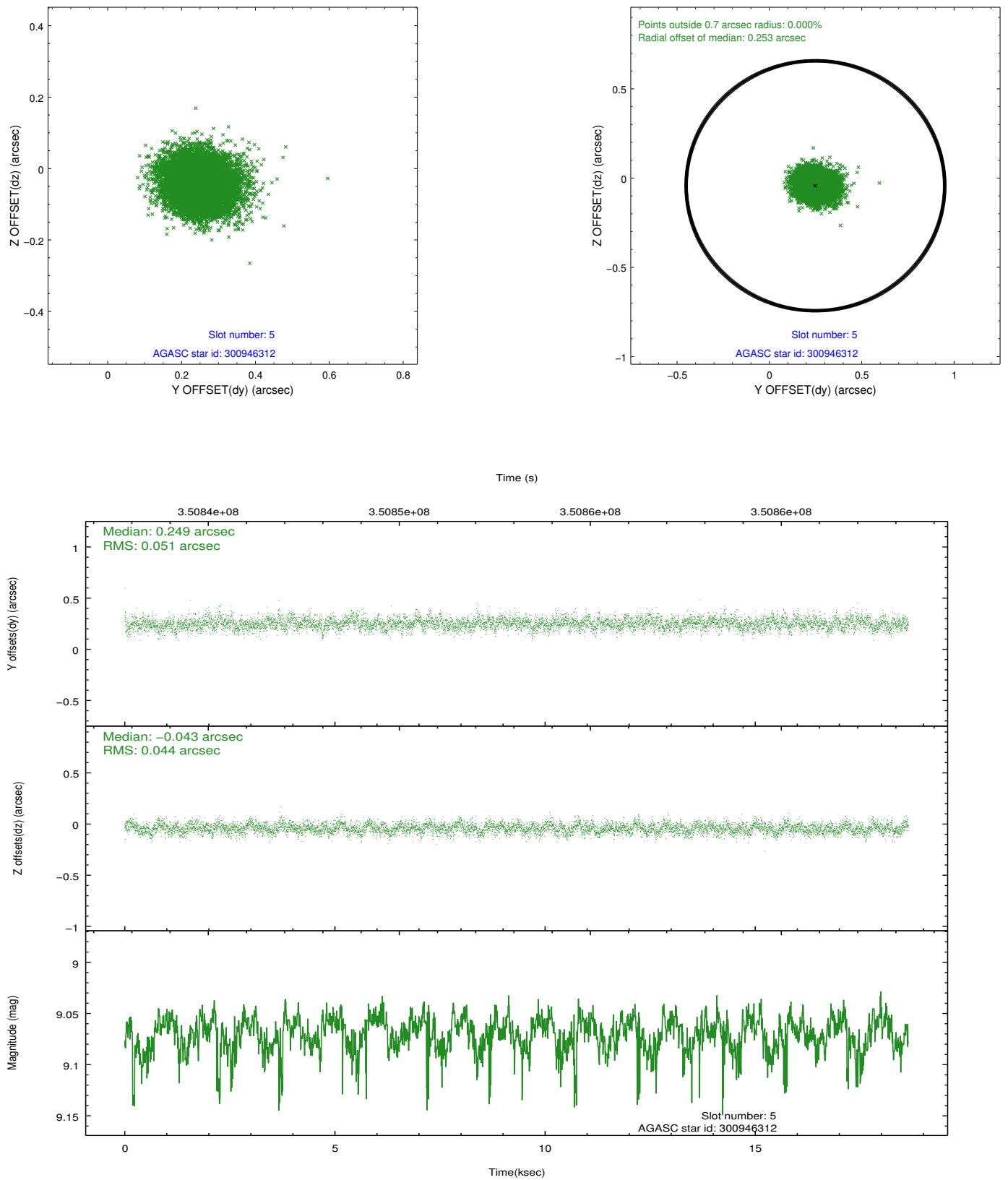
2.4.1 Slot 3



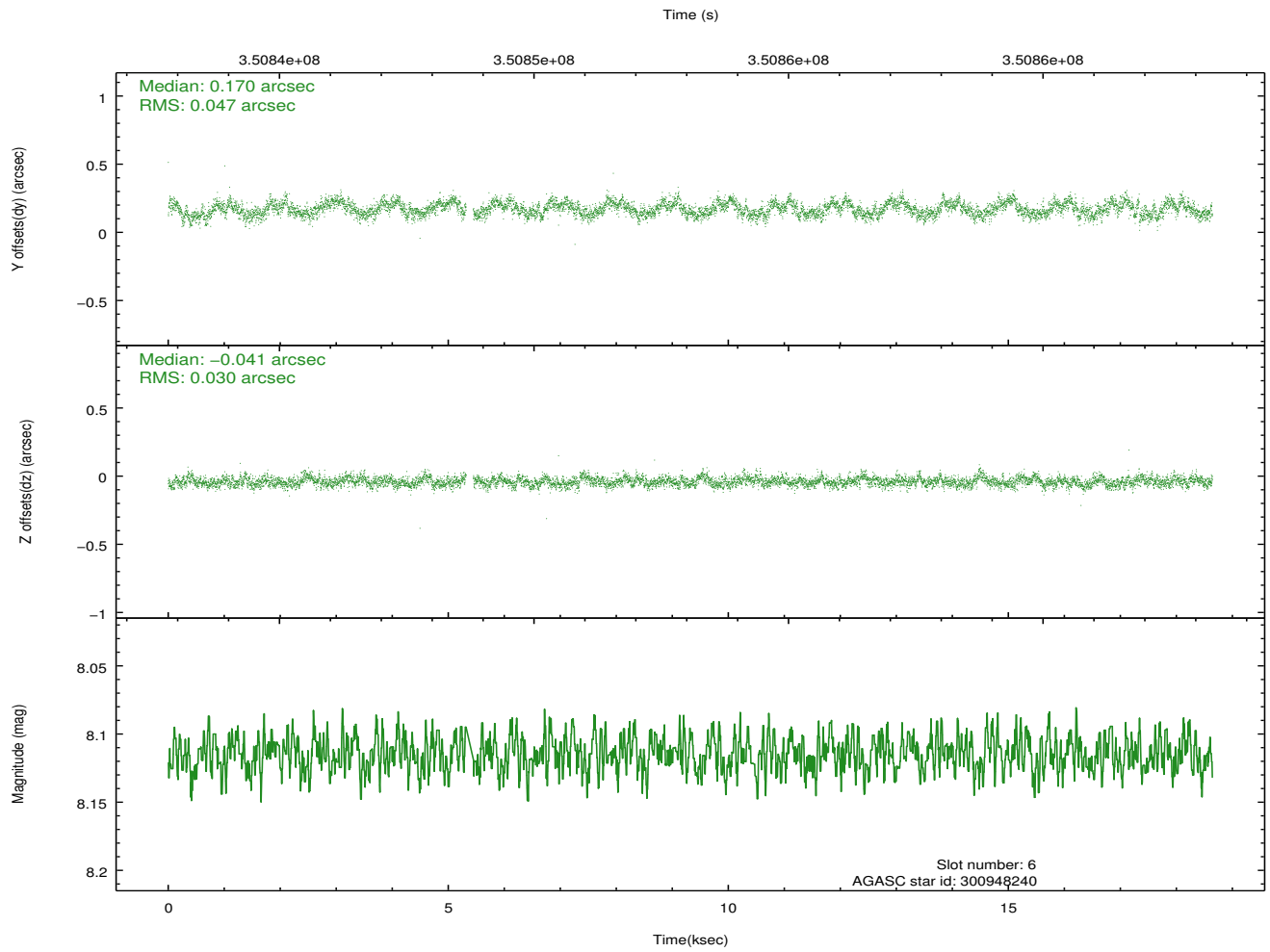
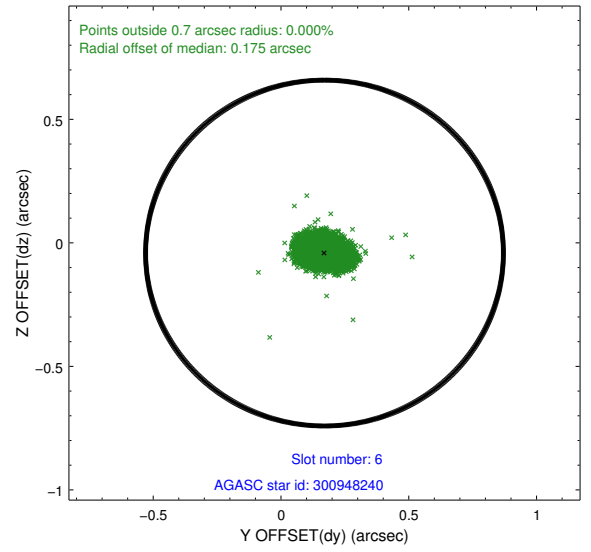
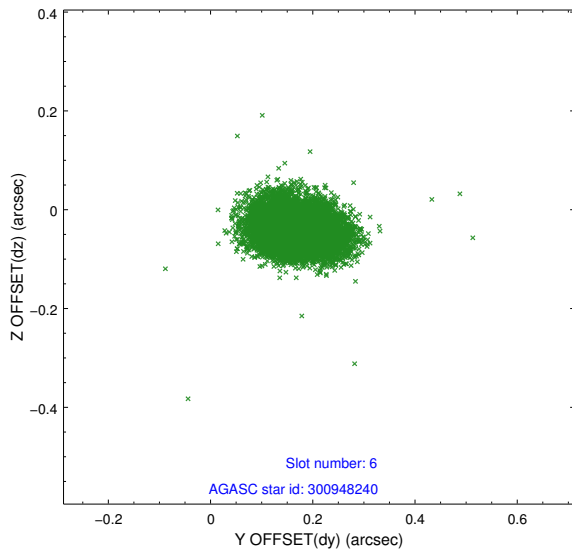
2.4.2 Slot 4



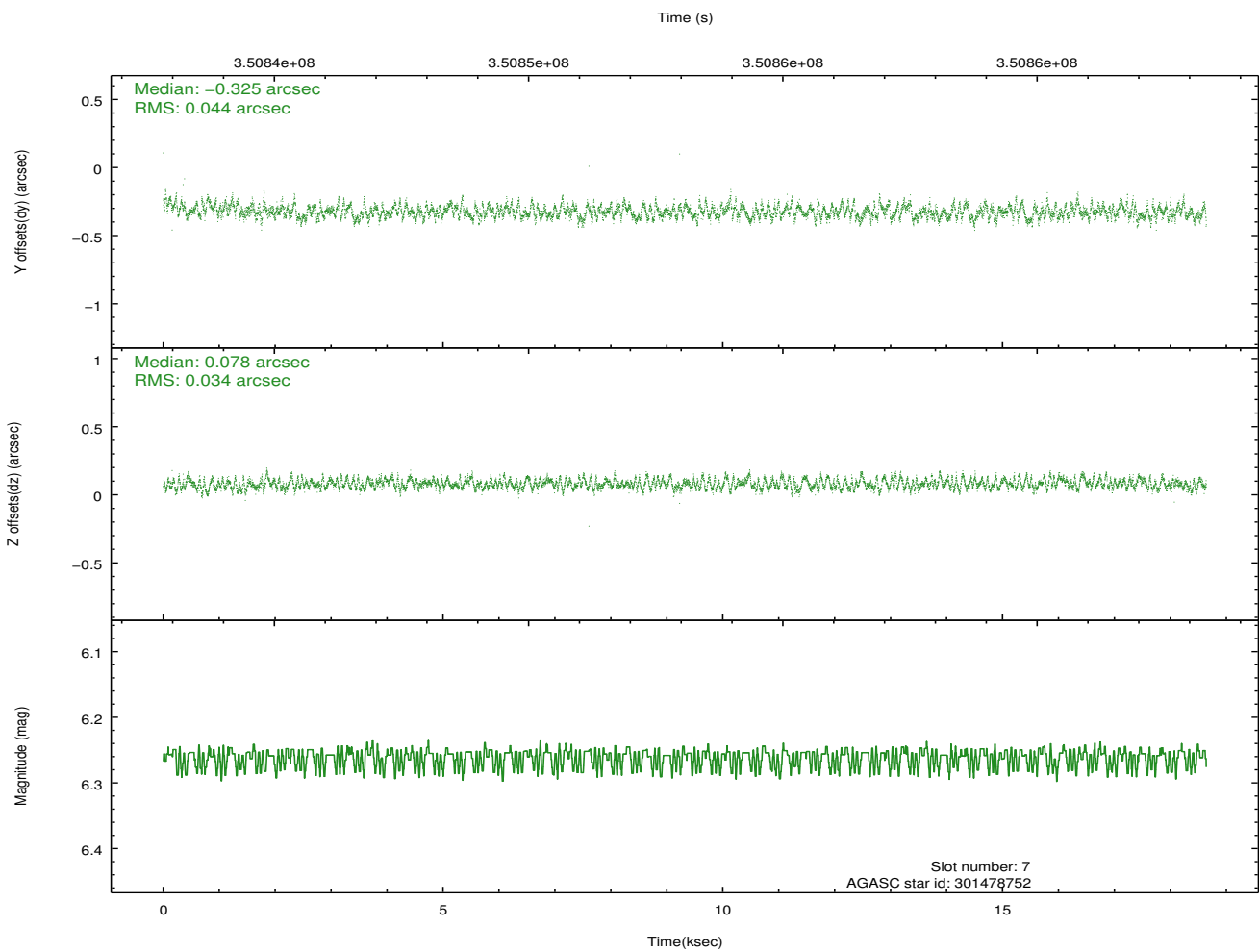
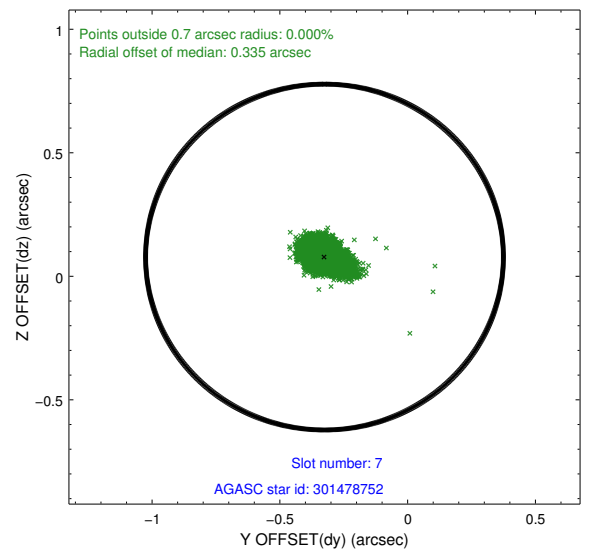
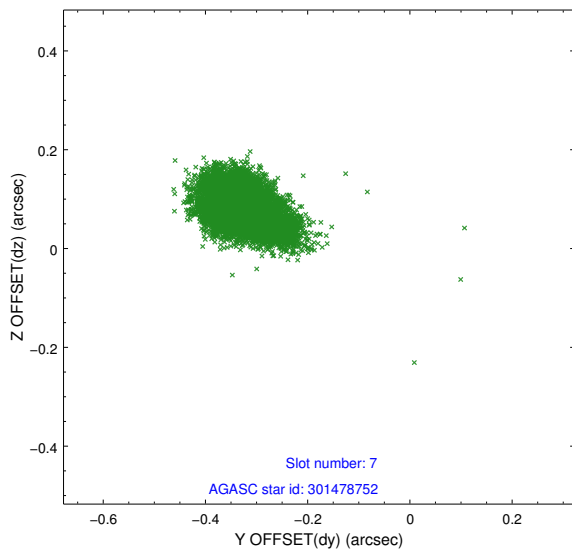
2.4.3 Slot 5



2.4.4 Slot 6

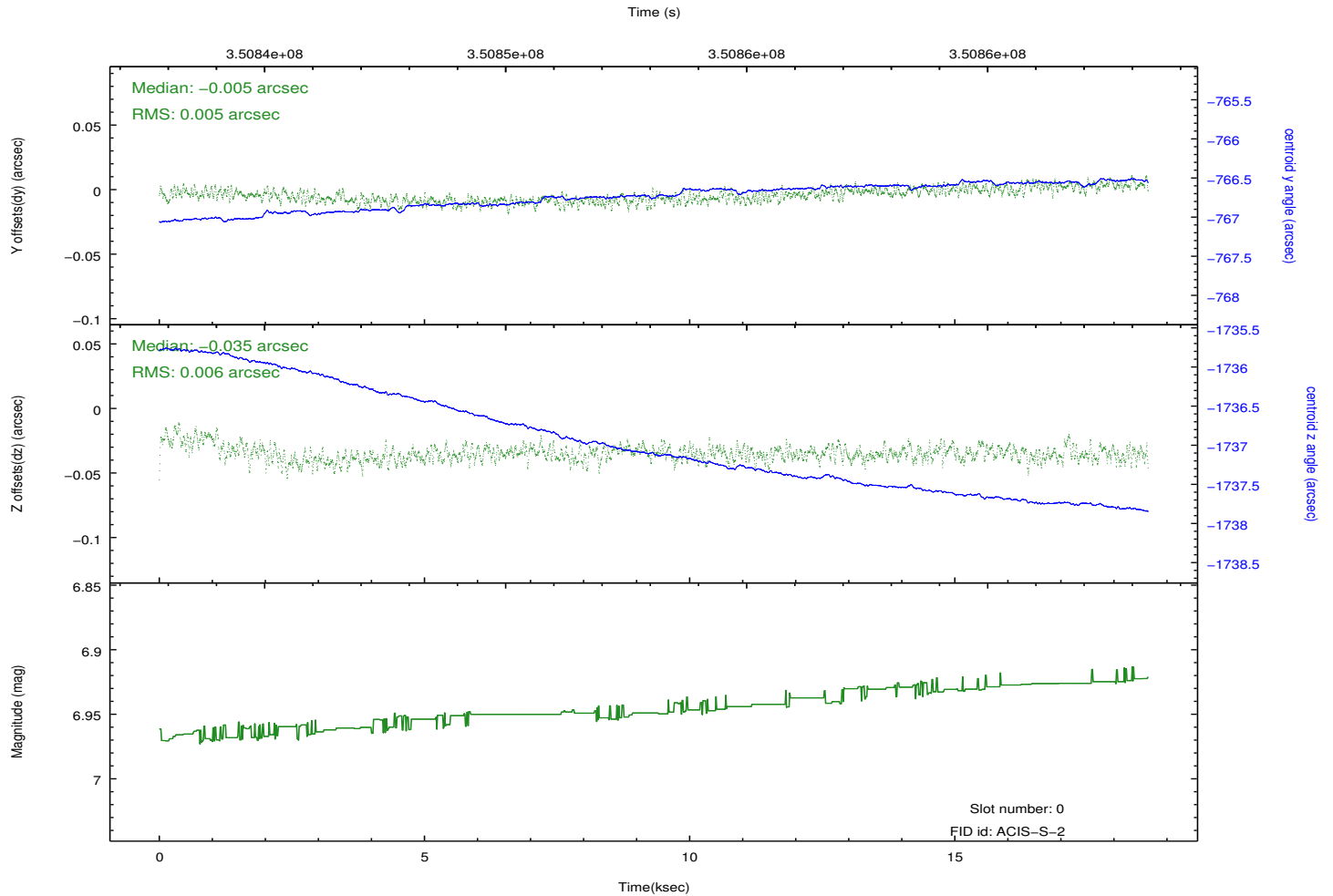
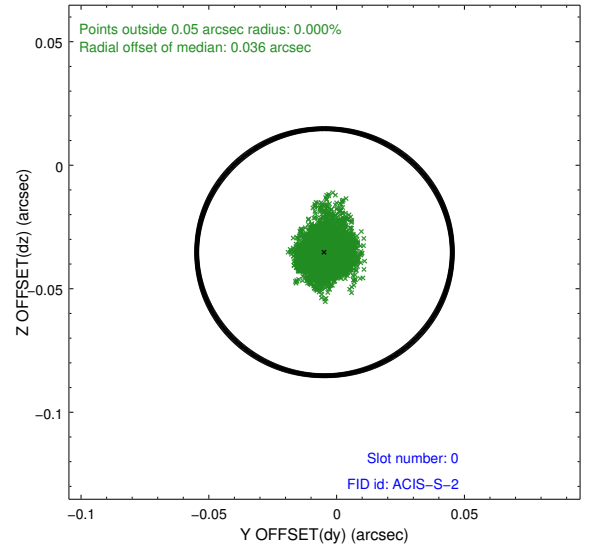
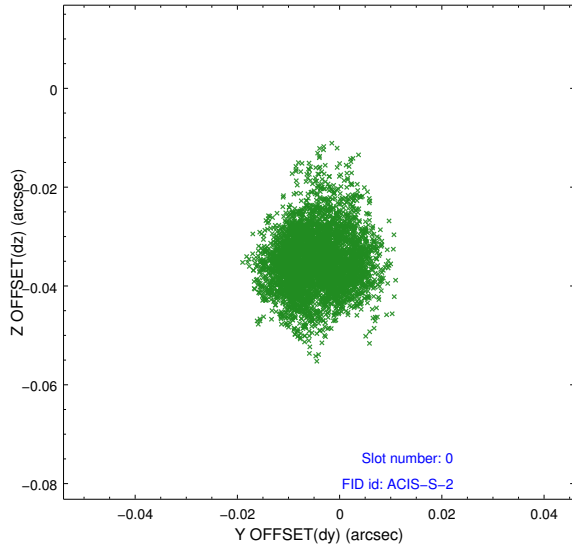


2.4.5 Slot 7

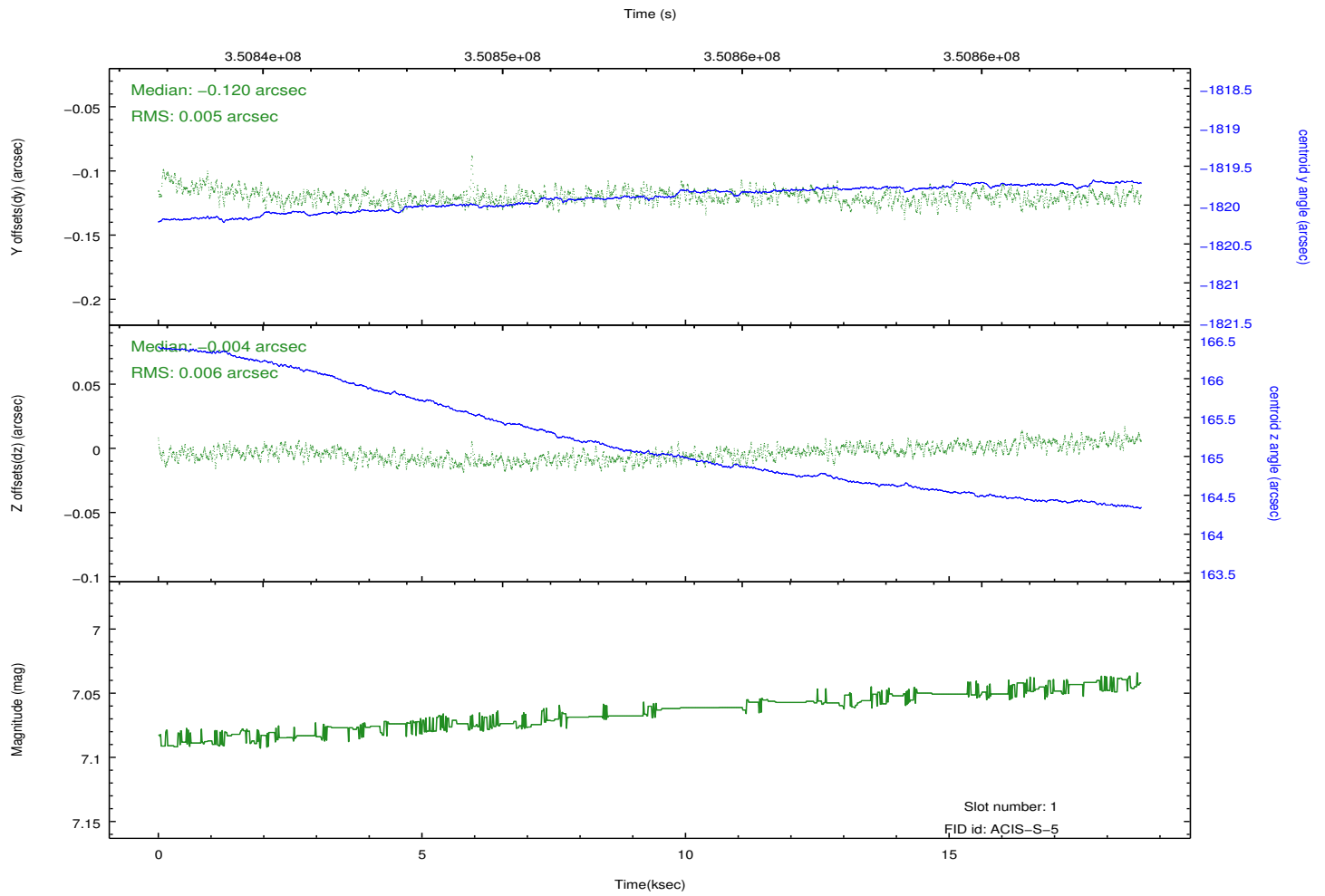
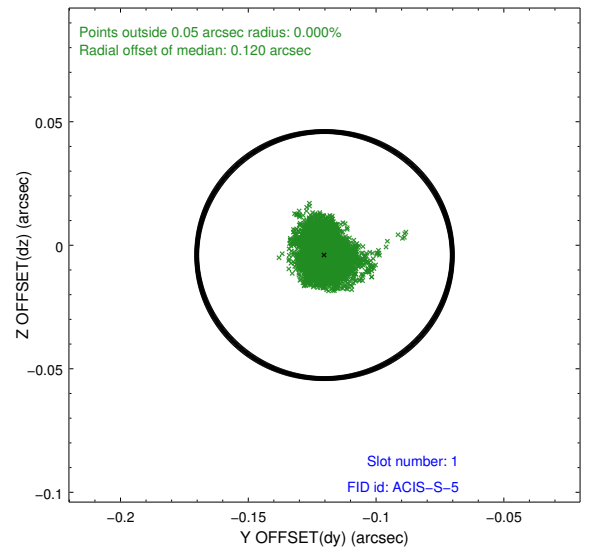
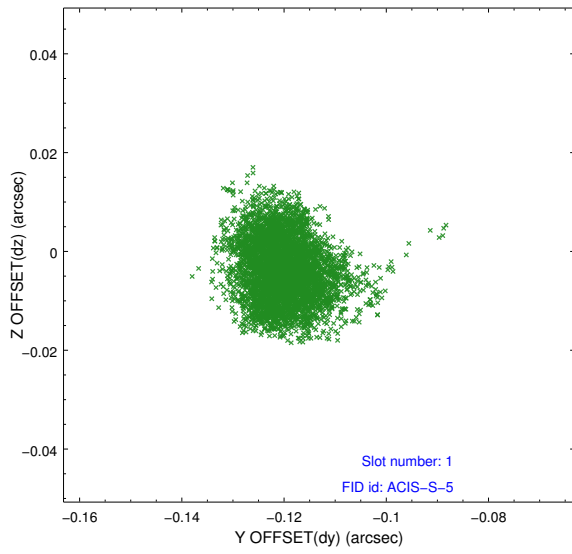


2.5 FID Slots

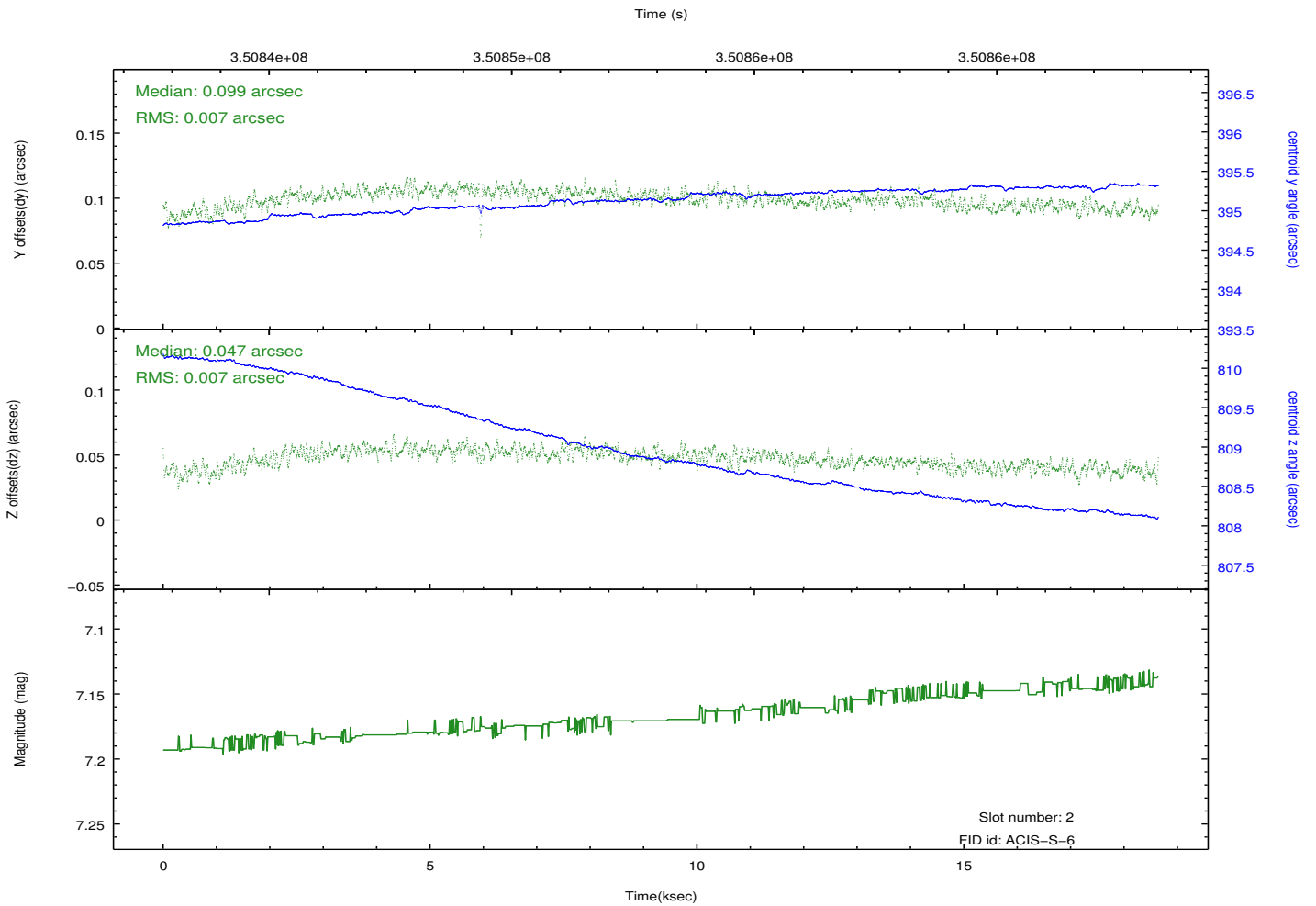
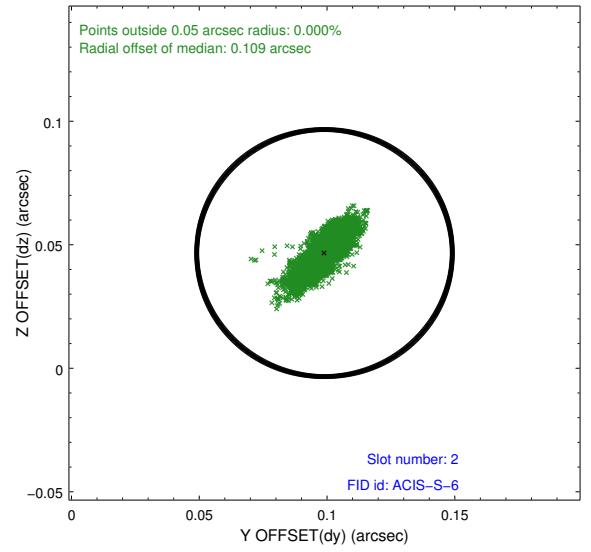
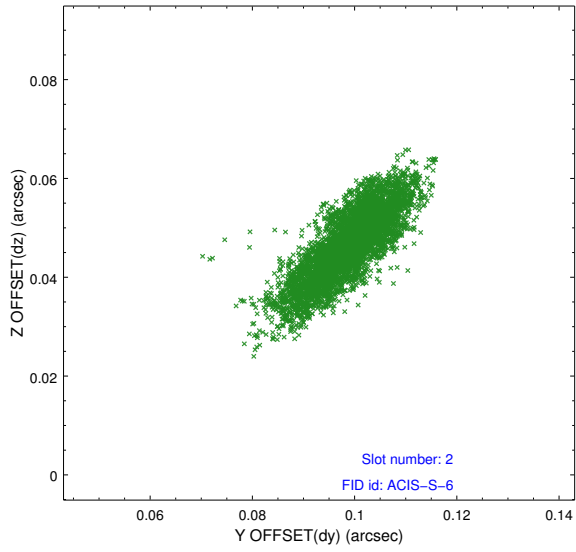
2.5.1 Slot 0



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	18.6372001

A.2 Comments