

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13763 - L2 Version 1
Chandra X-Ray Center

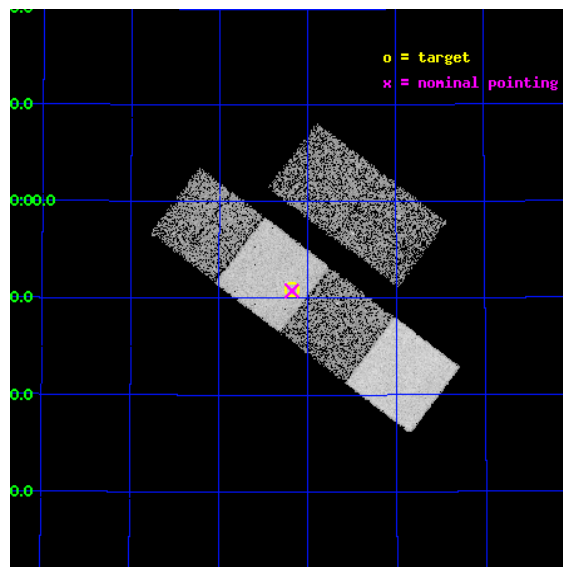
L2 Processing Date : Mar 24 2012

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1 Front

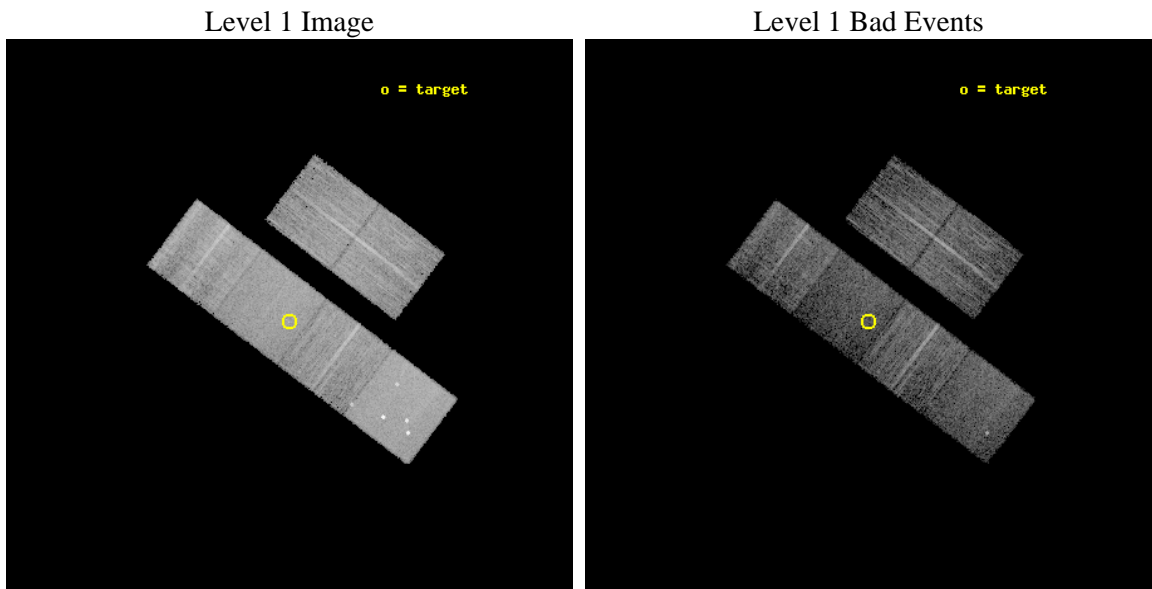
seq_num	501596	Sequence number
obs_id	13763	Observation id
title	Chandra Observations of New X-ray Supernovae	Proposal title
observer	Dr. David Pooley	Principal investigator
object	SN 2011ht	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.044083	Observer's specified target RA [deg]
dec_targ	51.849189	Observer's specified target Dec [deg]
ra_nom	152.04452213272	Nominal RA [deg]
dec_nom	51.846178956864	Nominal Dec [deg]
roll_nom	217.16366267077	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9963.5112477541	Sum of GTIs [s]
livetime	9837.3472690288	Livetime [s]
ontime2	9963.5522877574	Sum of GTIs [s]
ontime3	9963.3881277442	Sum of GTIs [s]
ontime5	9963.4702077508	Sum of GTIs [s]
ontime6	9963.4291677475	Sum of GTIs [s]
ontime7	9963.5112477541	Sum of GTIs [s]
ontime8	9963.3470877409	Sum of GTIs [s]
l2events	85431	Number of level 2 events



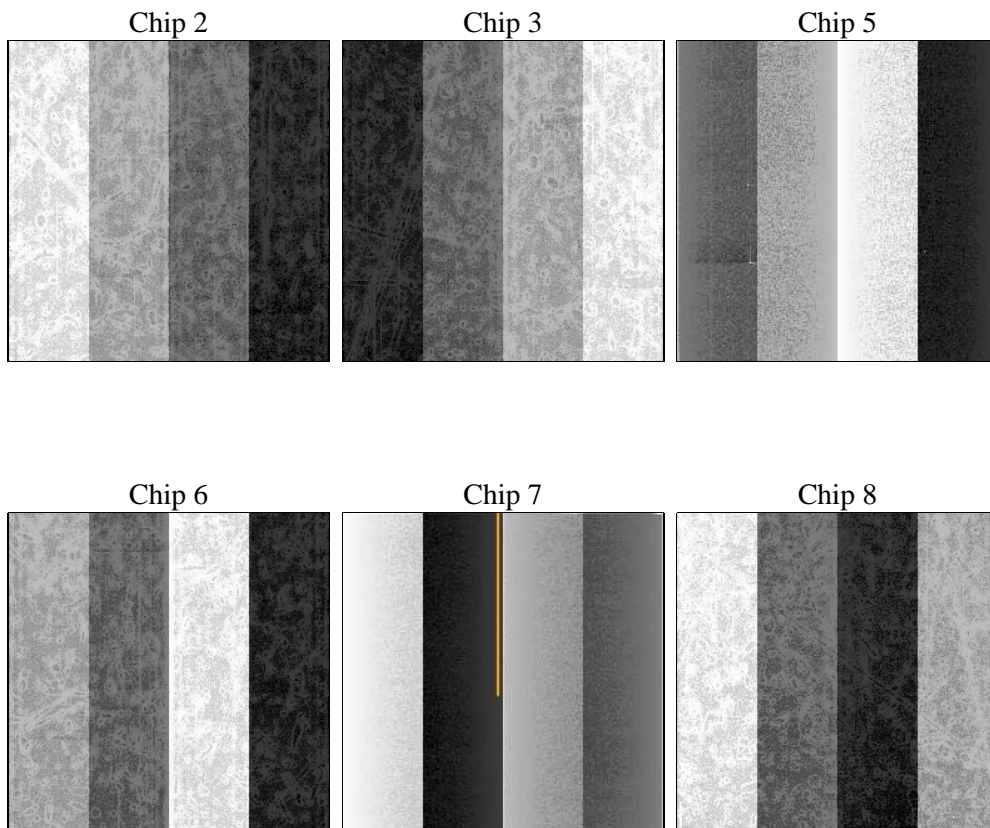
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.091000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	9963.5112477541	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	9963.5522877574	Sum of GTIs [s]
date	2012-03-24T20:20:56	Date and time of file creation	ontime3	9963.3881277442	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	9963.4702077508	Sum of GTIs [s]
			ontime6	9963.4291677475	Sum of GTIs [s]
			ontime7	9963.5112477541	Sum of GTIs [s]
			ontime8	9963.3470877409	Sum of GTIs [s]
			l1events	359666	Number of level 1 events

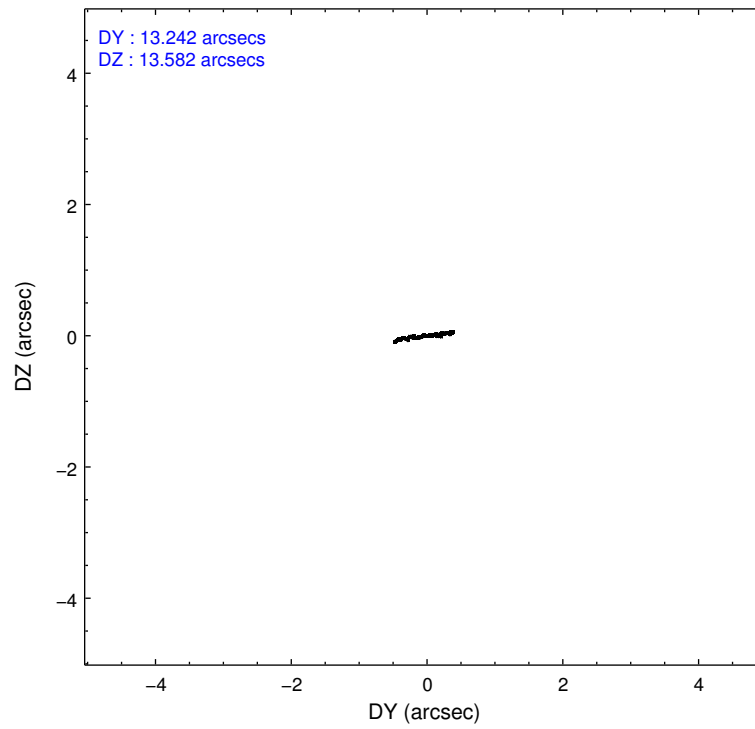
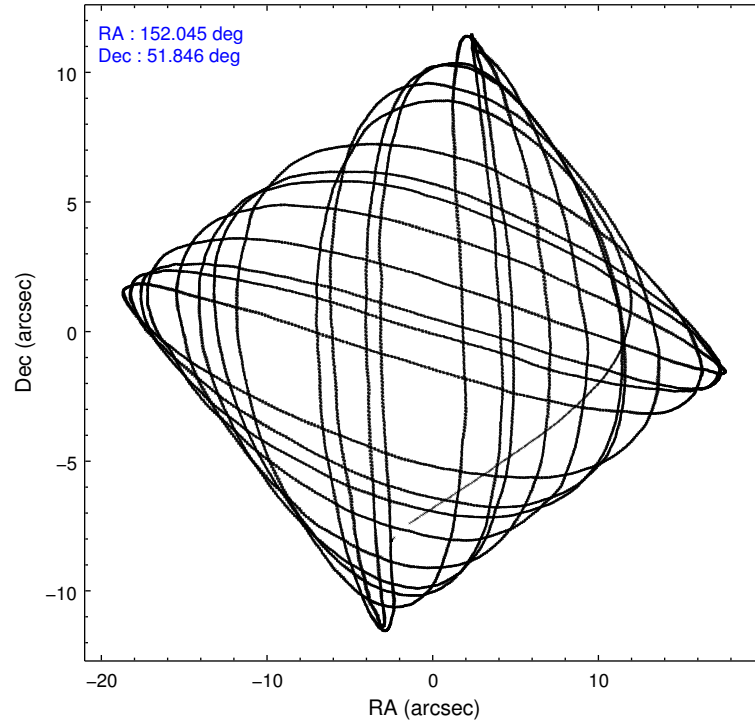
2.1.4 Events

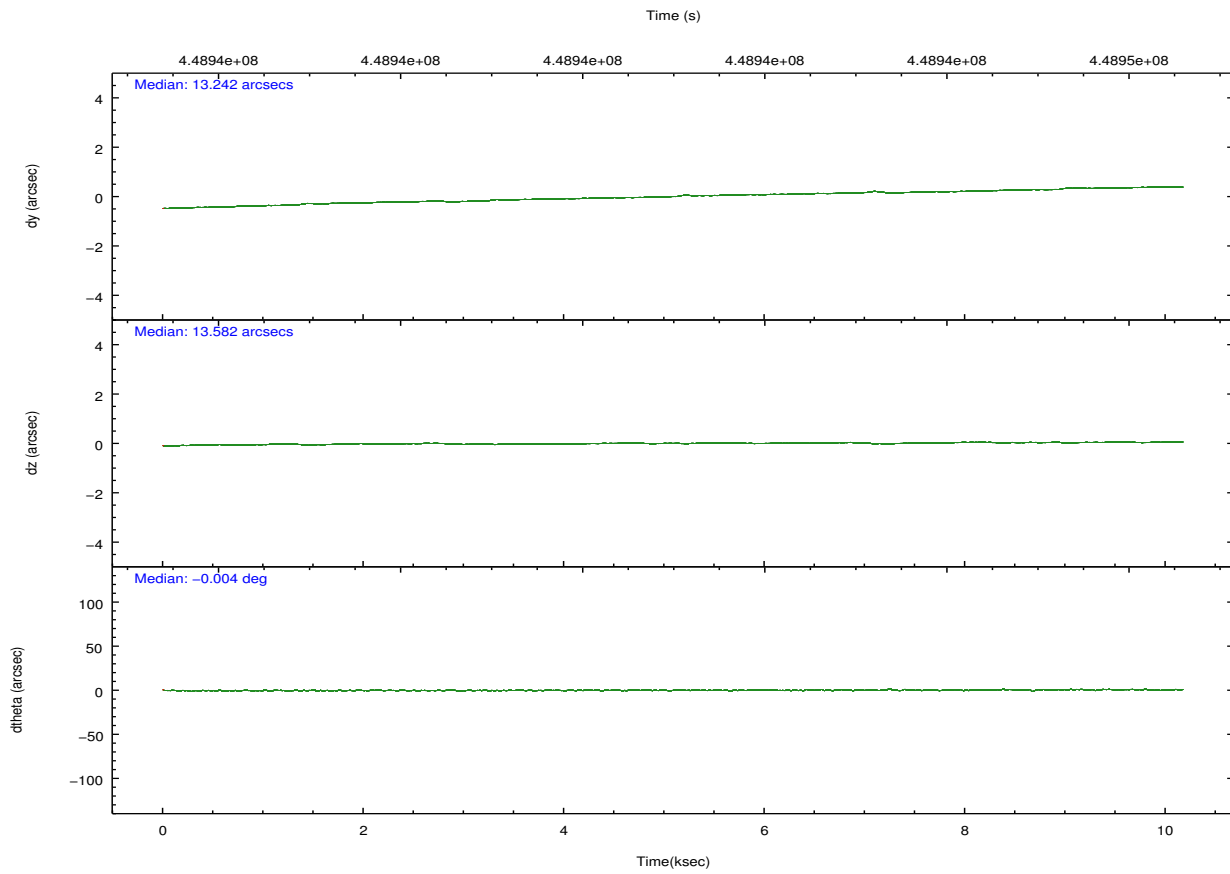
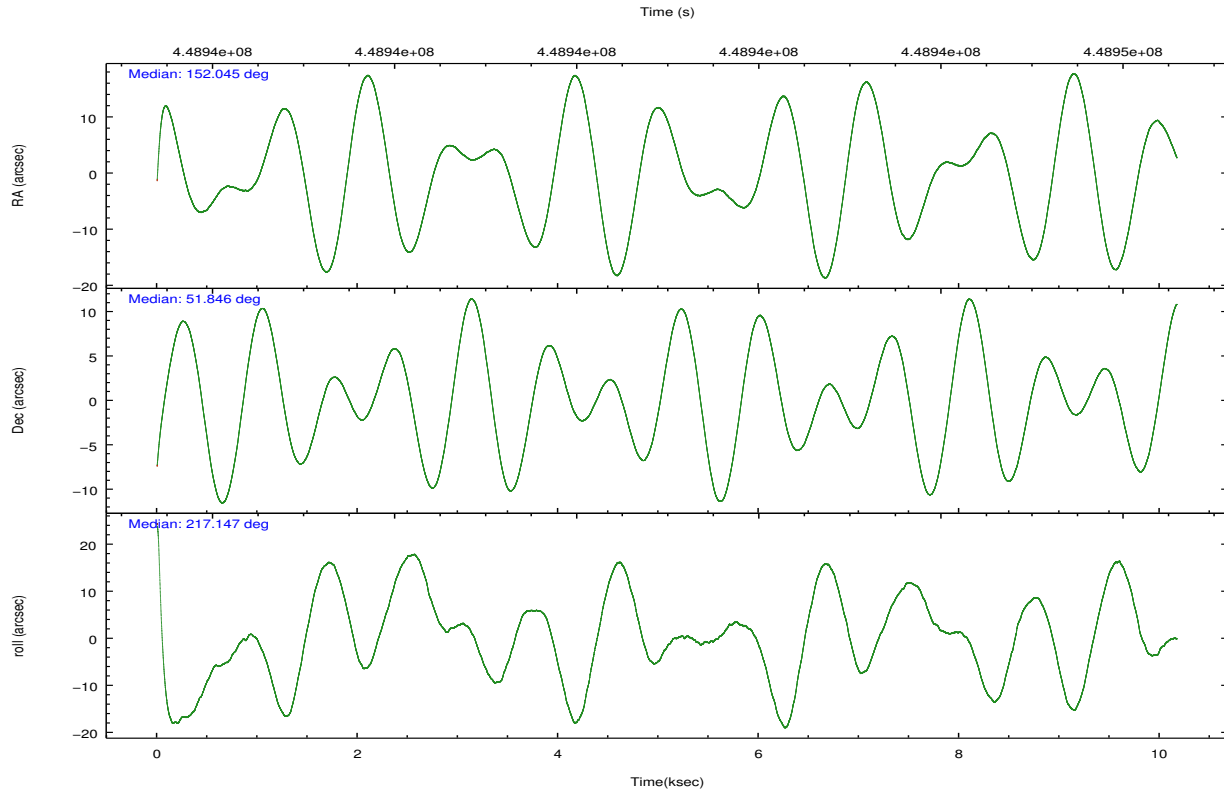
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51889	50534	81566	51442	58802	65433	grade 0 events	2127	2009	7683	2141	2783	5032
rejected events	46017	45094	37355	45387	30746	47157		4%	3%	9%	4%	4%	7%
rejected %	88%	89%	45%	88%	52%	72%	grade 1 events	31	30	199	29	94	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	1483	1194	12823	1338	5988	4513
								2%	2%	15%	2%	10%	6%
							grade 3 events	560	574	1657	641	2447	1905
								1%	1%	2%	1%	4%	2%
							grade 4 events	608	588	1459	626	2484	1810
								1%	1%	1%	1%	4%	2%
							grade 5 events	1960	2294	6192	2236	6464	3316
								3%	4%	7%	4%	10%	5%
							grade 6 events	1095	1077	20620	1311	14377	5021
								2%	2%	25%	2%	24%	7%
							grade 7 events	44025	42768	30933	43120	24165	43776
								84%	84%	37%	83%	41%	66%

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	152.061118	152.0445221327208	CCD I2 on	O1	Y
[deg] Pointing Dec	51.871525	51.8461789568636	CCD I3 on	O2	Y
[deg] Pointing Roll	216.993936	217.1636626707686	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	Y	Y
[s] Observation start time (MET)	448936081.184000	448934558.8504	CCD S5 on	N	N
Observation start date	2012-03-24T00:26:55	2012-03-24T00:02:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	448946081.184000	448946307.40102	On-chip summing requested	N	N
Observation end date	2012-03-24T03:13:35	2012-03-24T03:18:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



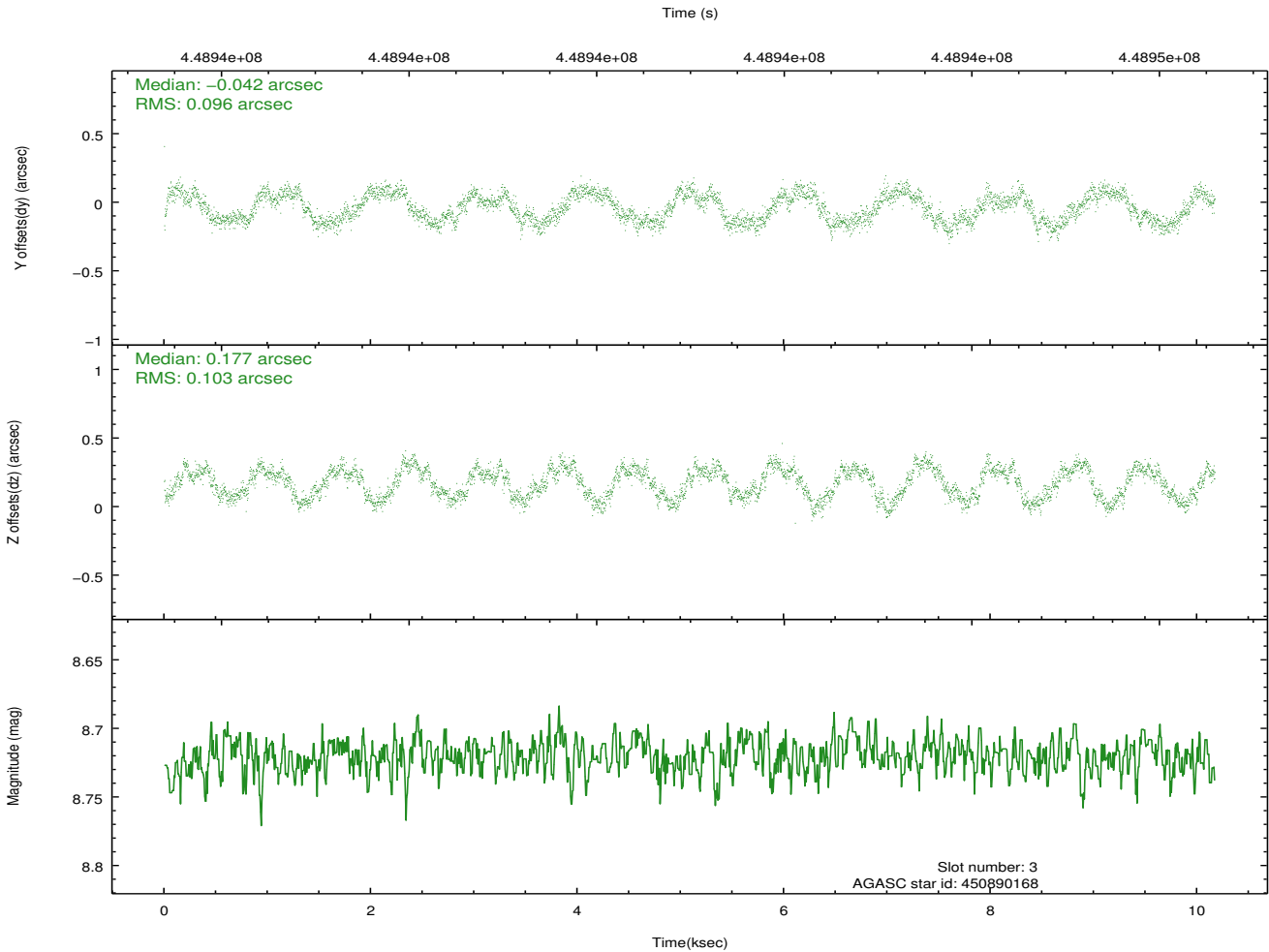
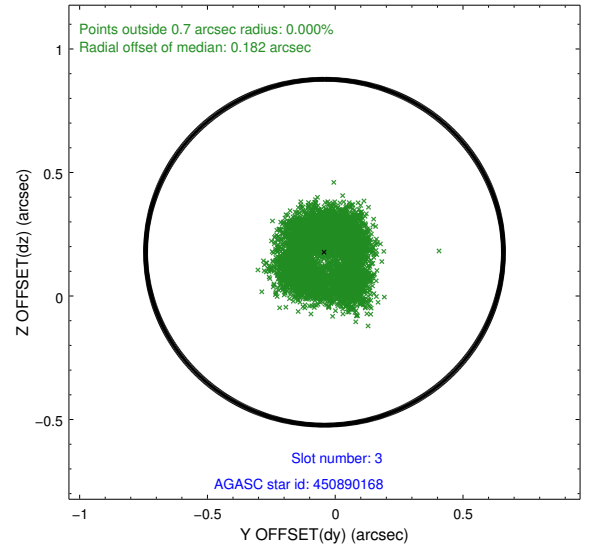
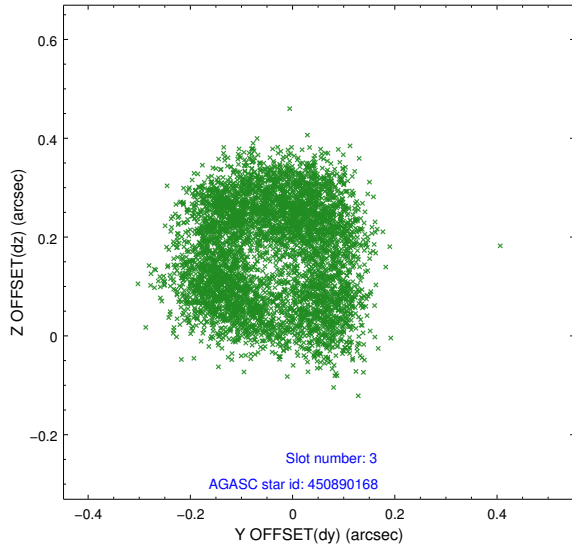


Slot Statistics

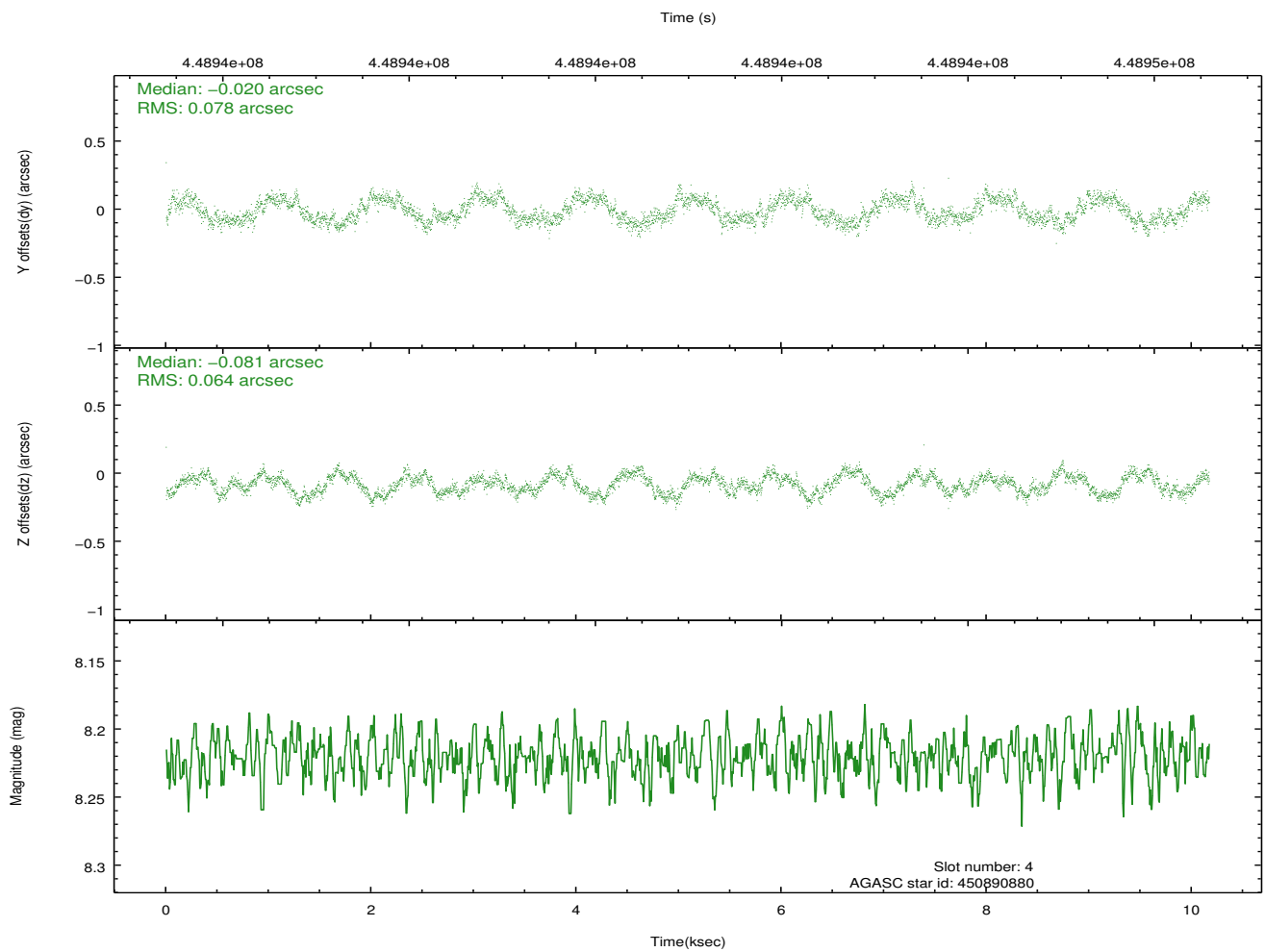
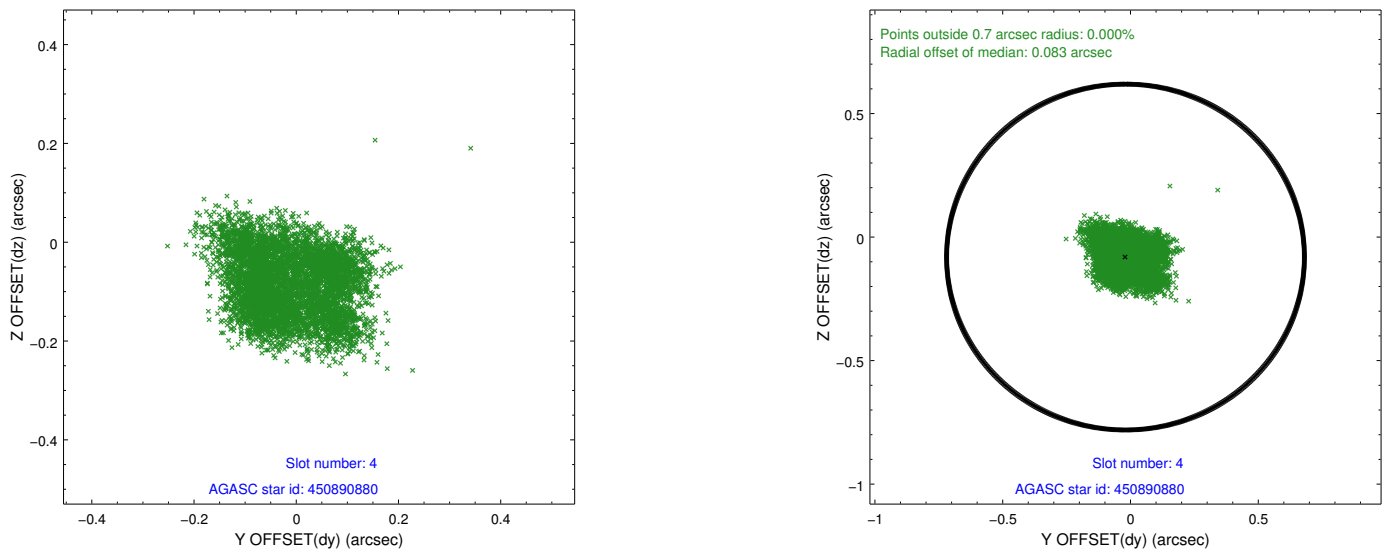
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	2482	-0.046	-0.056	0.011	0.018	0.000000	0.000000	-766.21	-1734.92
1	FID	ACIS-S-4	7.04	2482	0.211	0.037	0.018	0.029	0.000000	0.000000	2147.10	173.10
2	FID	ACIS-S-5	7.08	2482	-0.196	0.027	0.011	0.019	0.000000	0.000000	-1818.52	167.38
3	GUIDE	450890168	8.72	4963	-0.042	0.177	0.154	0.211	151.772445	52.155102	-106.68	-1198.30
4	GUIDE	450890880	8.22	4962	-0.020	-0.081	0.109	0.163	151.398749	51.391108	2225.42	480.62
5	GUIDE	450891944	9.47	4939	0.018	-0.096	0.140	0.212	151.808732	51.599904	1039.43	440.58
6	GUIDE	450898736	8.84	4960	-0.078	0.291	0.094	0.171	151.230493	51.518985	2244.39	-113.51
7	GUIDE	450892416	9.60	4943	0.115	-0.265	0.345	0.483	150.677414	52.059888	2022.33	-2407.09

2.4 Star Slots

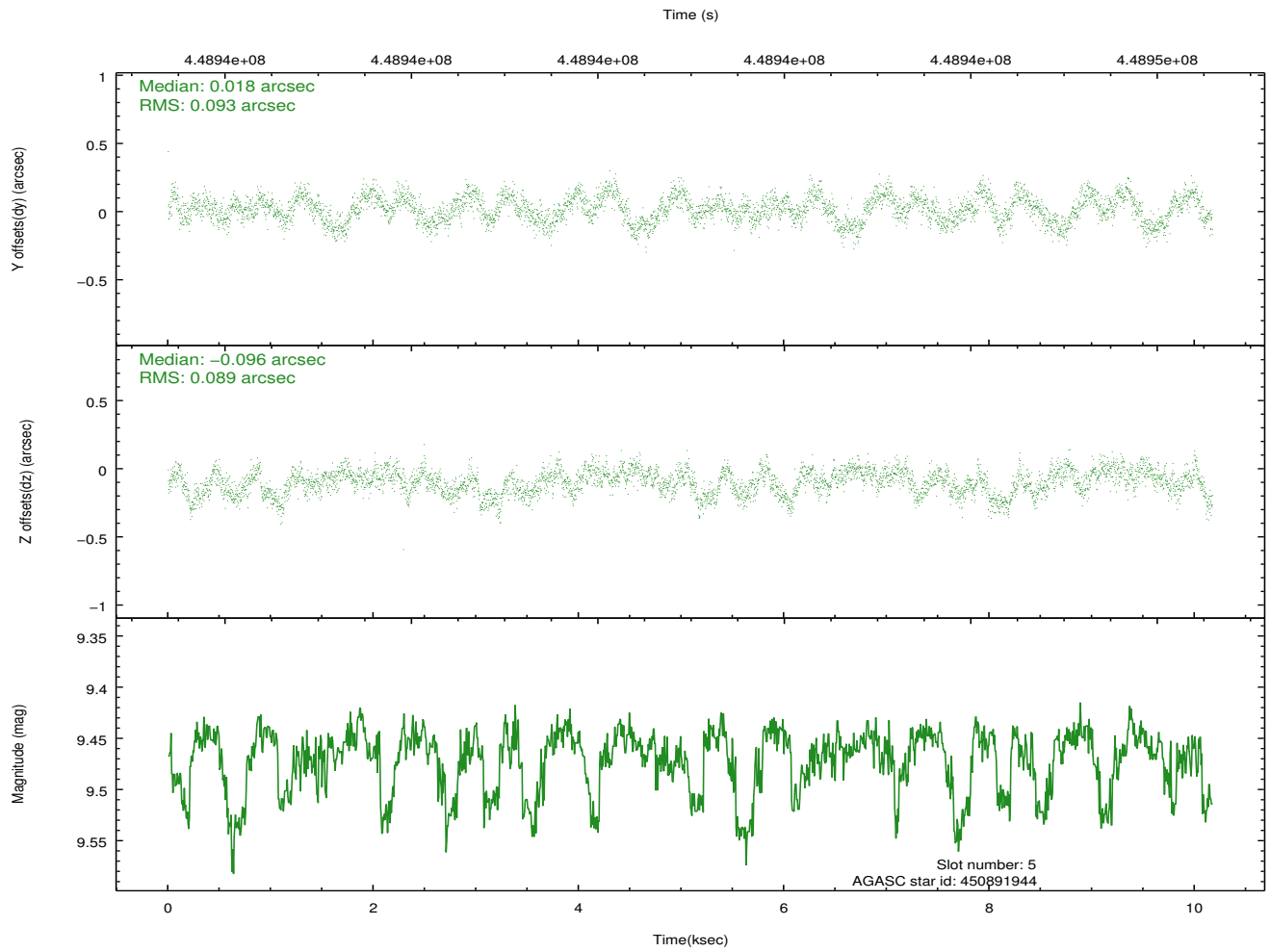
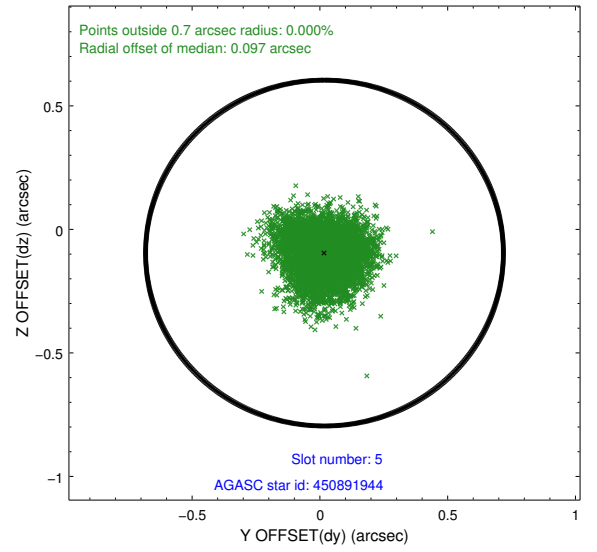
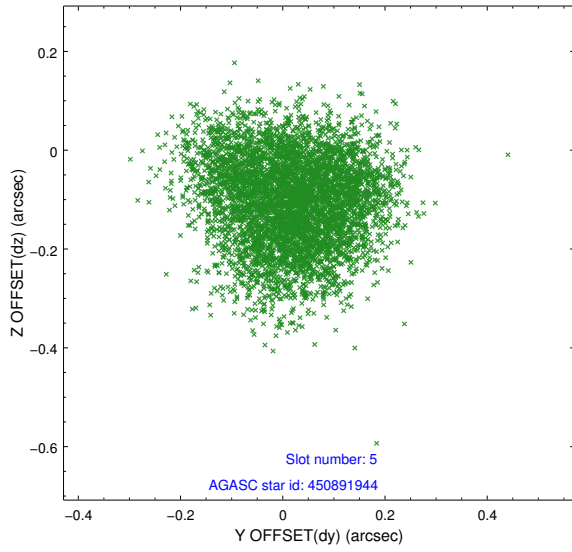
2.4.1 Slot 3



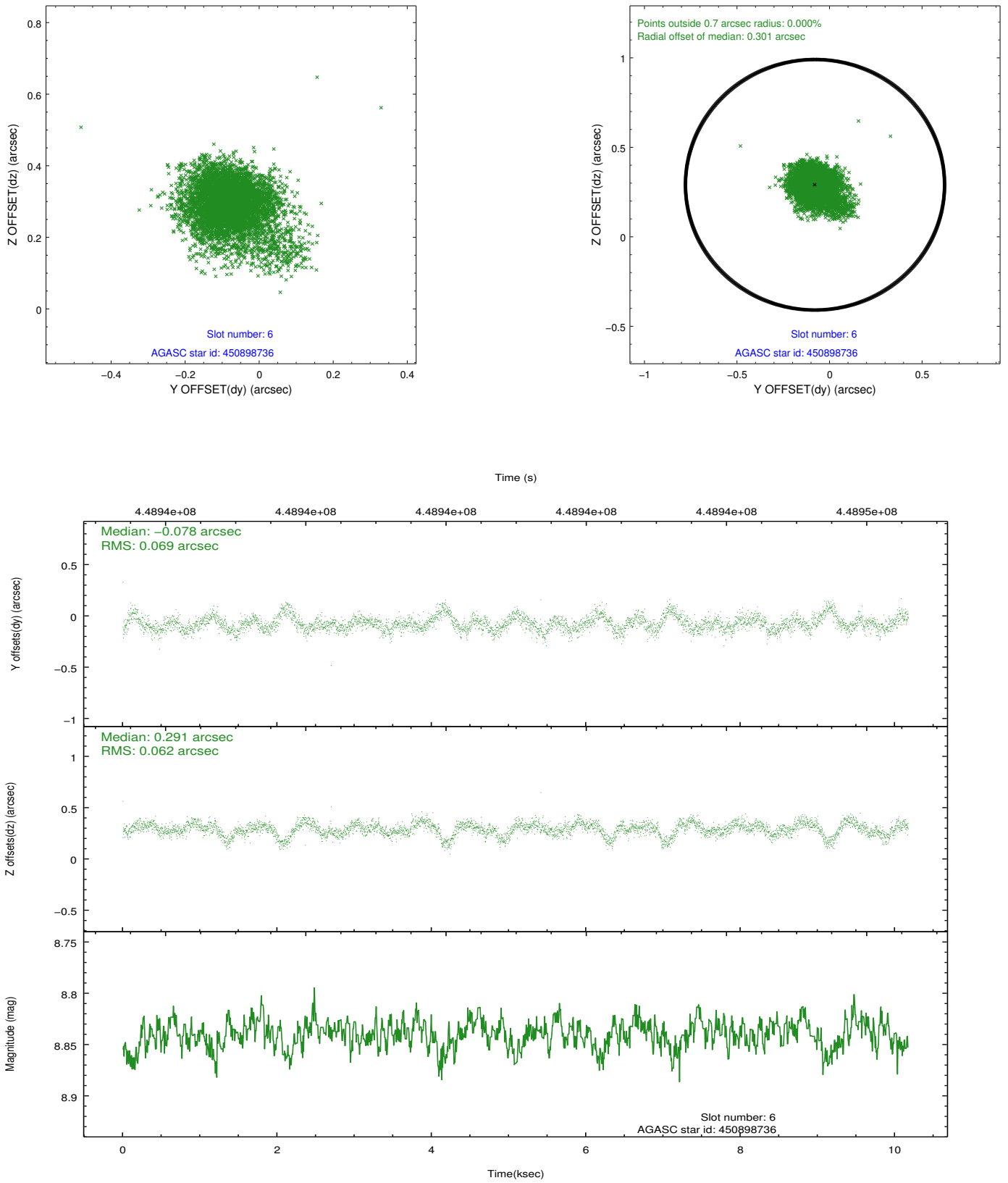
2.4.2 Slot 4



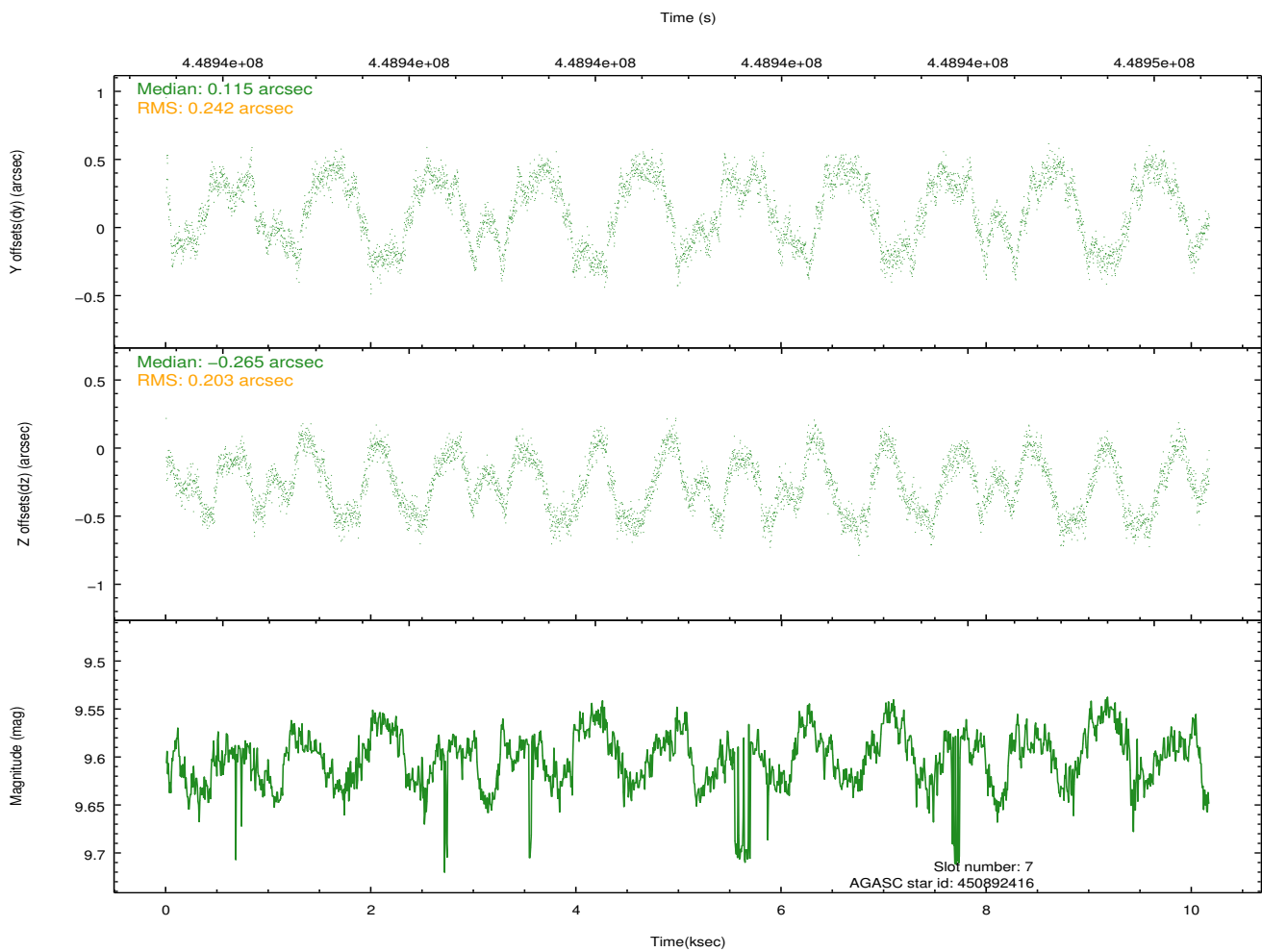
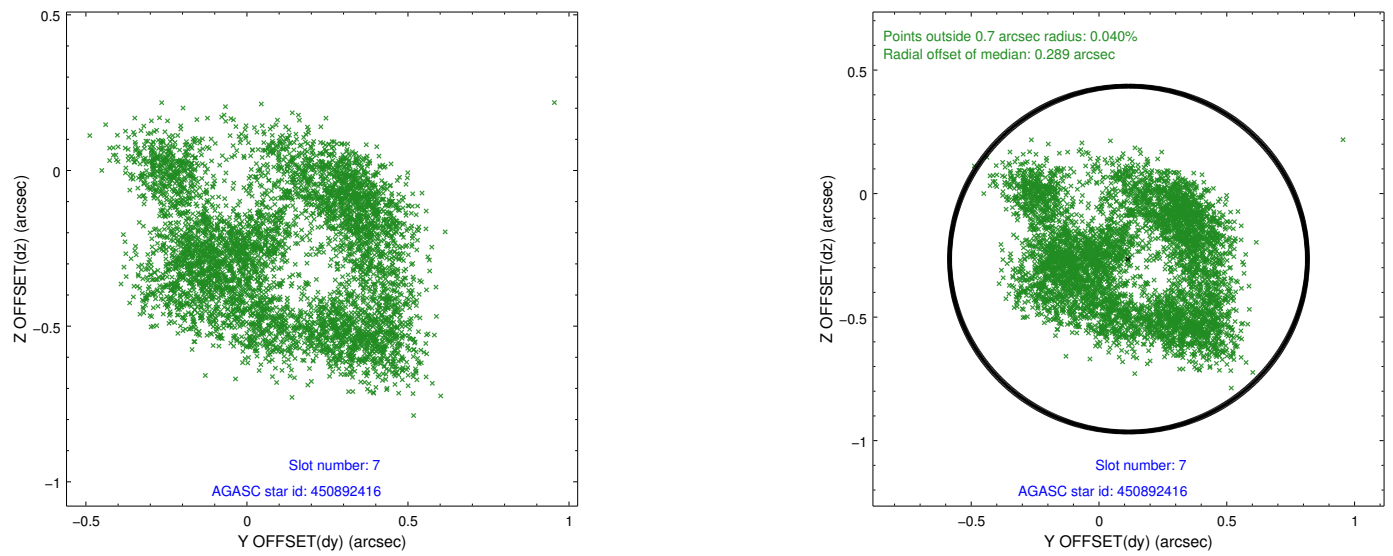
2.4.3 Slot 5



2.4.4 Slot 6

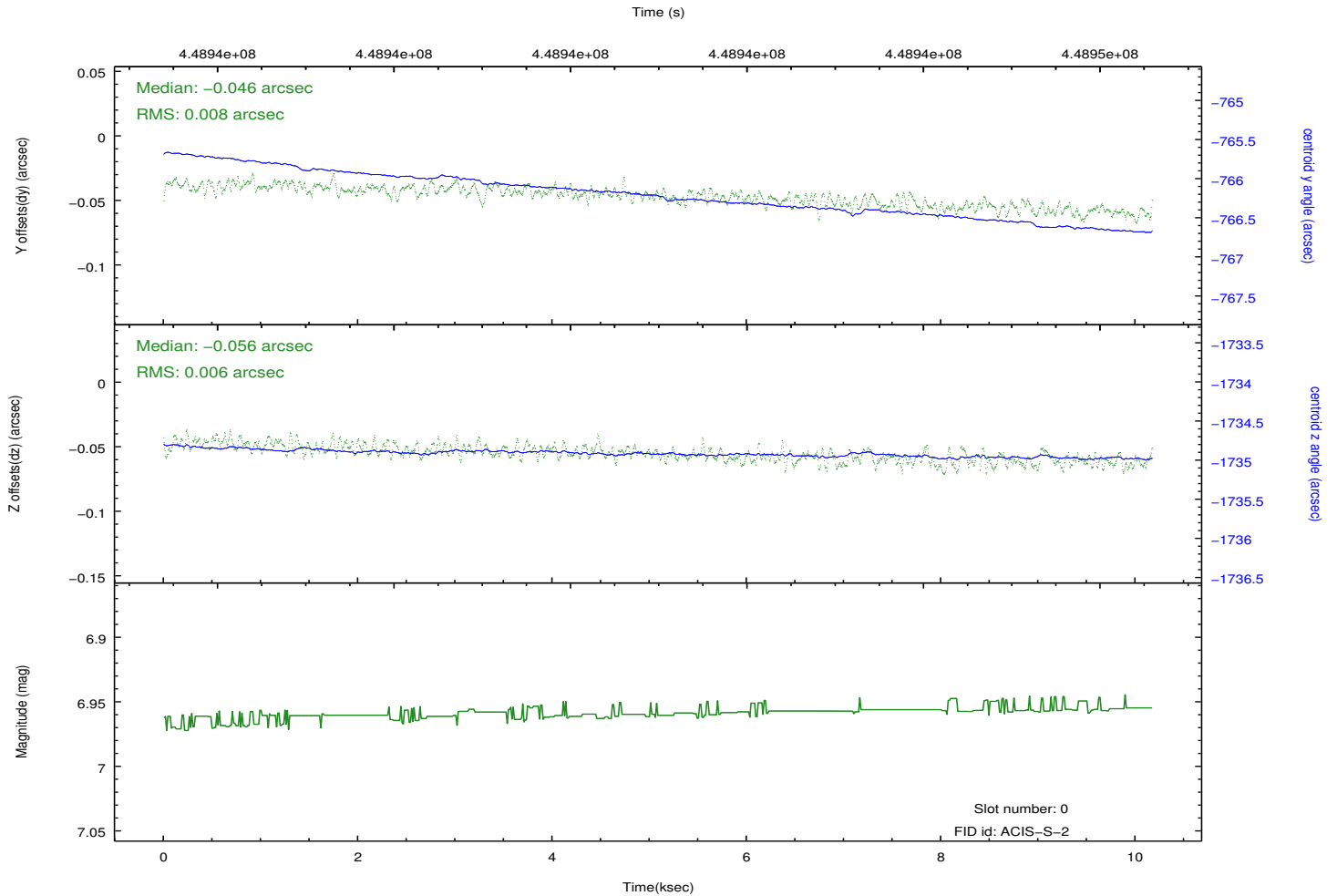
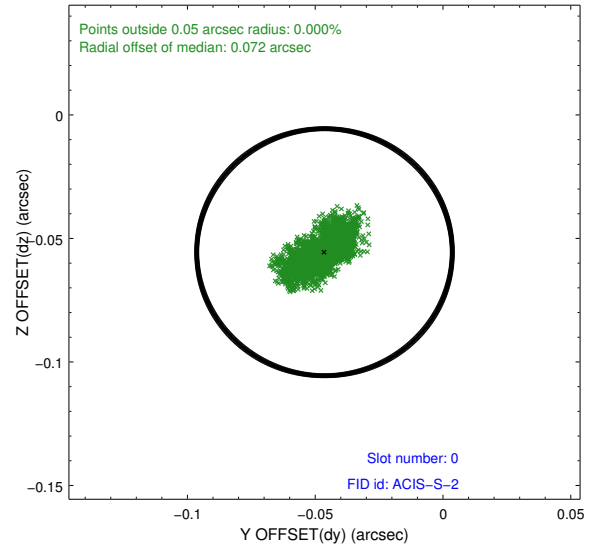
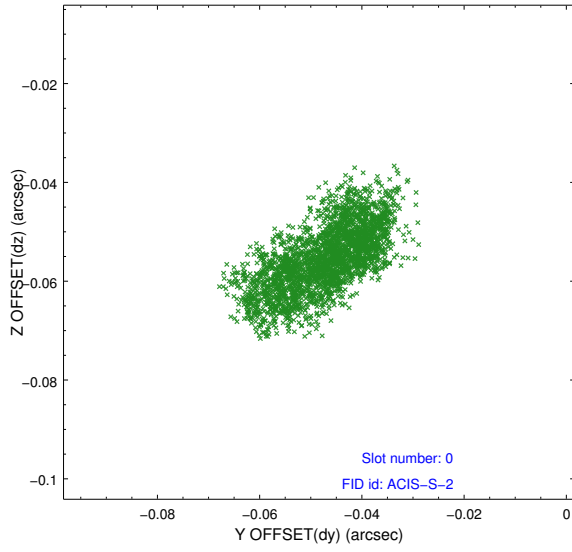


2.4.5 Slot 7

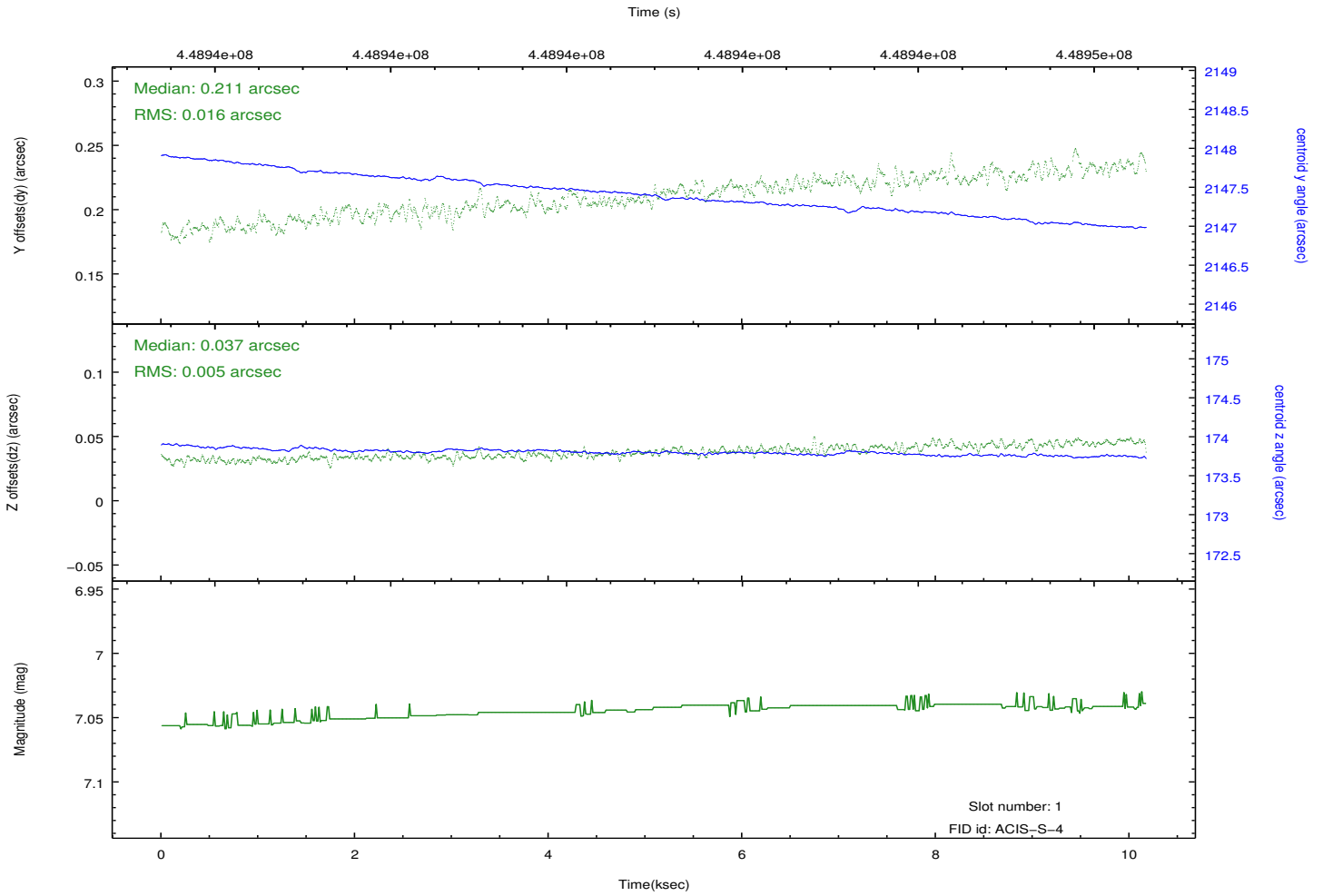
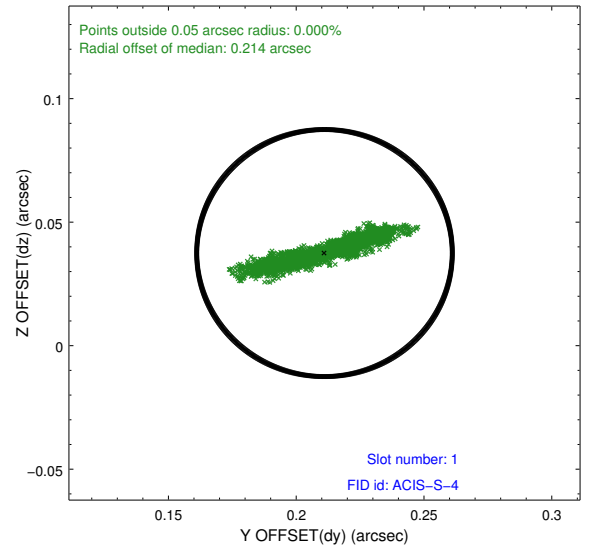
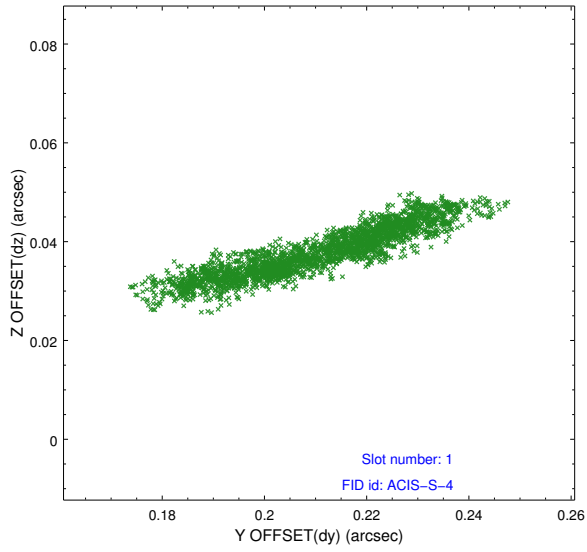


2.5 FID Slots

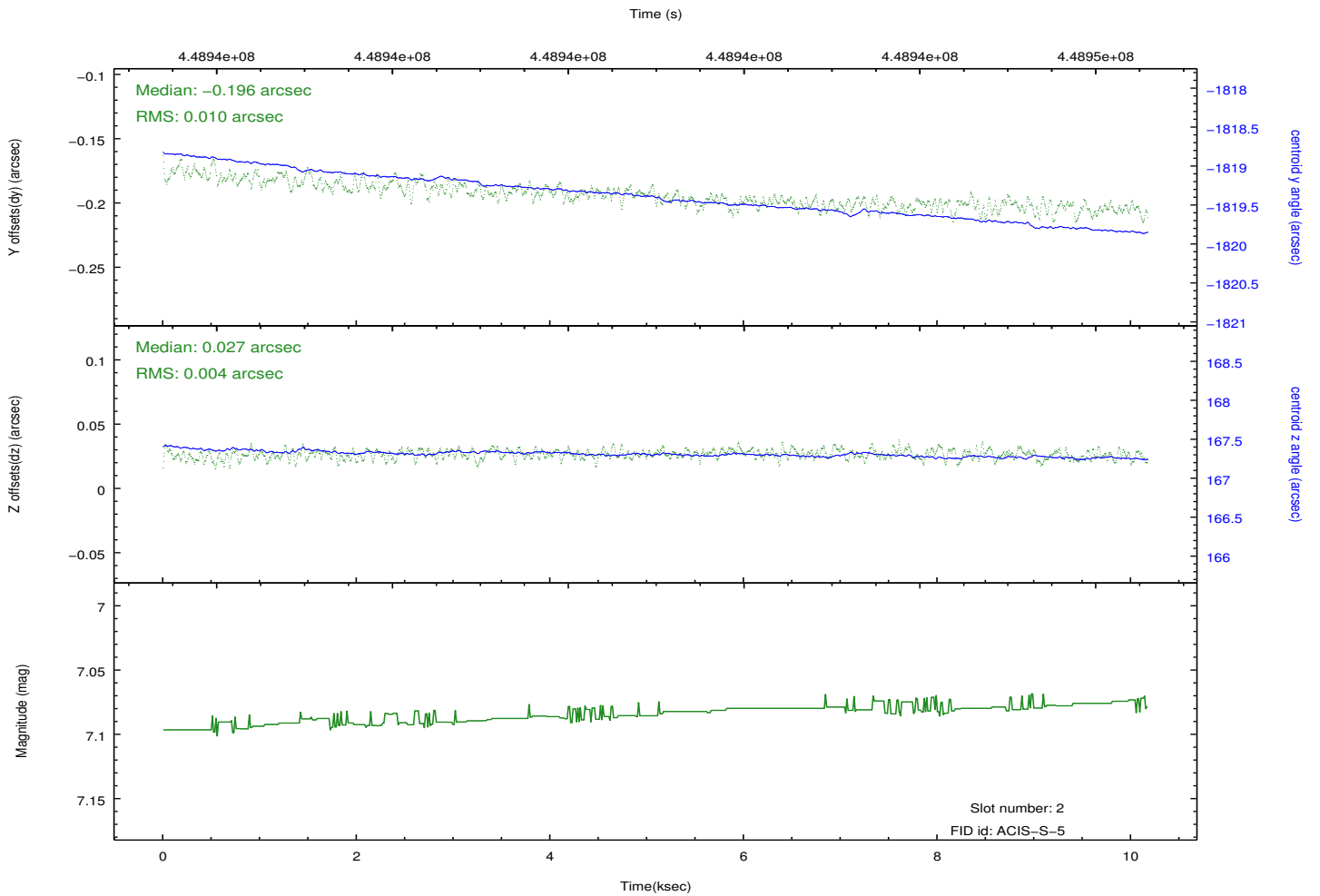
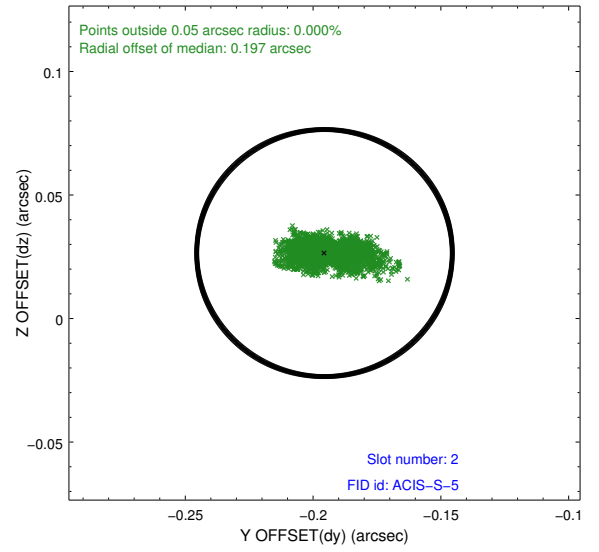
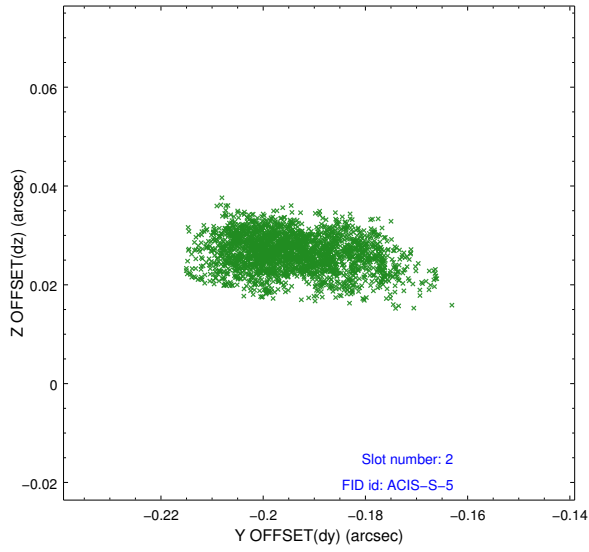
2.5.1 Slot 0



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)	2012.03.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9635112477541

A.2 Comments