

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12331 - L2 Version 2
Chandra X-Ray Center

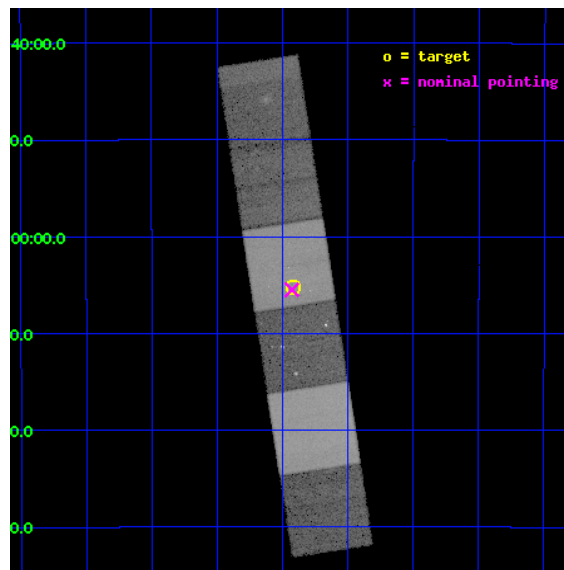
L2 Processing Date : Feb 20 2012

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1 Front

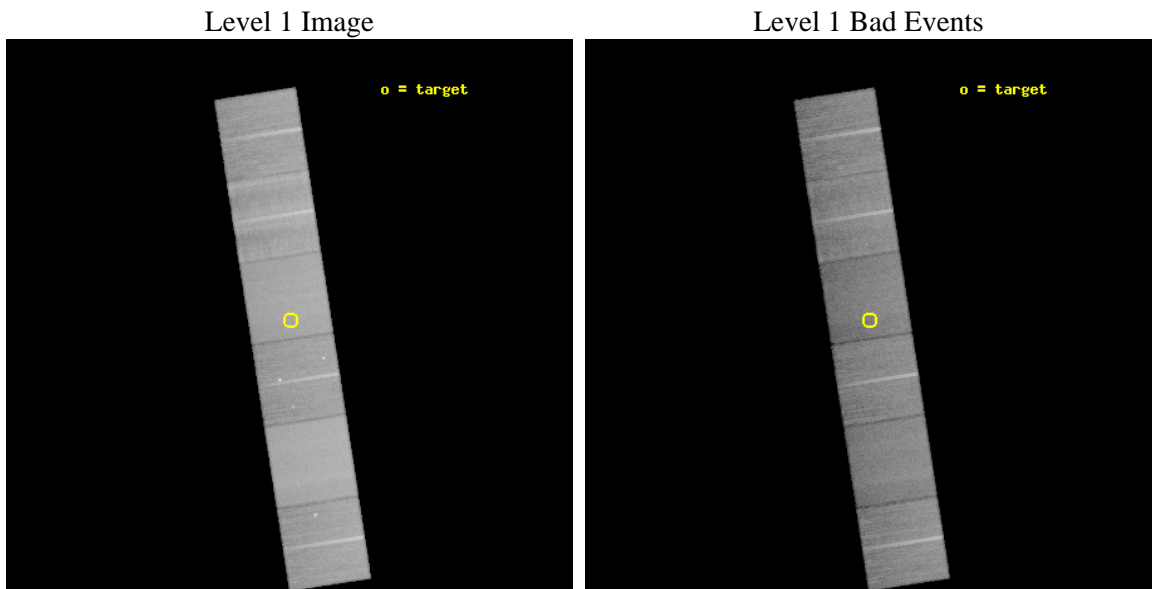
seq_num	200667	Sequence number
obs_id	12331	Observation id
title	X-ray emission from wide brown dwarf binaries	Proposal title
observer	Dr Beate Stelzer	Principal investigator
object	Oph1622-2405	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.605	Observer's specified target RA [deg]
dec_targ	-24.087194	Observer's specified target Dec [deg]
ra_nom	245.60706150458	Nominal RA [deg]
dec_nom	-24.091660857692	Nominal Dec [deg]
roll_nom	261.15747158408	Nominal Roll [deg]
revision	2	Processing version of data
ontime	40047.999850869	Sum of GTIs [s]
livetime	39540.887962747	Livetime [s]
ontime4	40047.999850869	Sum of GTIs [s]
ontime5	40047.999850869	Sum of GTIs [s]
ontime6	40047.999850869	Sum of GTIs [s]
ontime7	40047.999850869	Sum of GTIs [s]
ontime8	40044.758870542	Sum of GTIs [s]
ontime9	40044.758850694	Sum of GTIs [s]
l2events	436649	Number of level 2 events



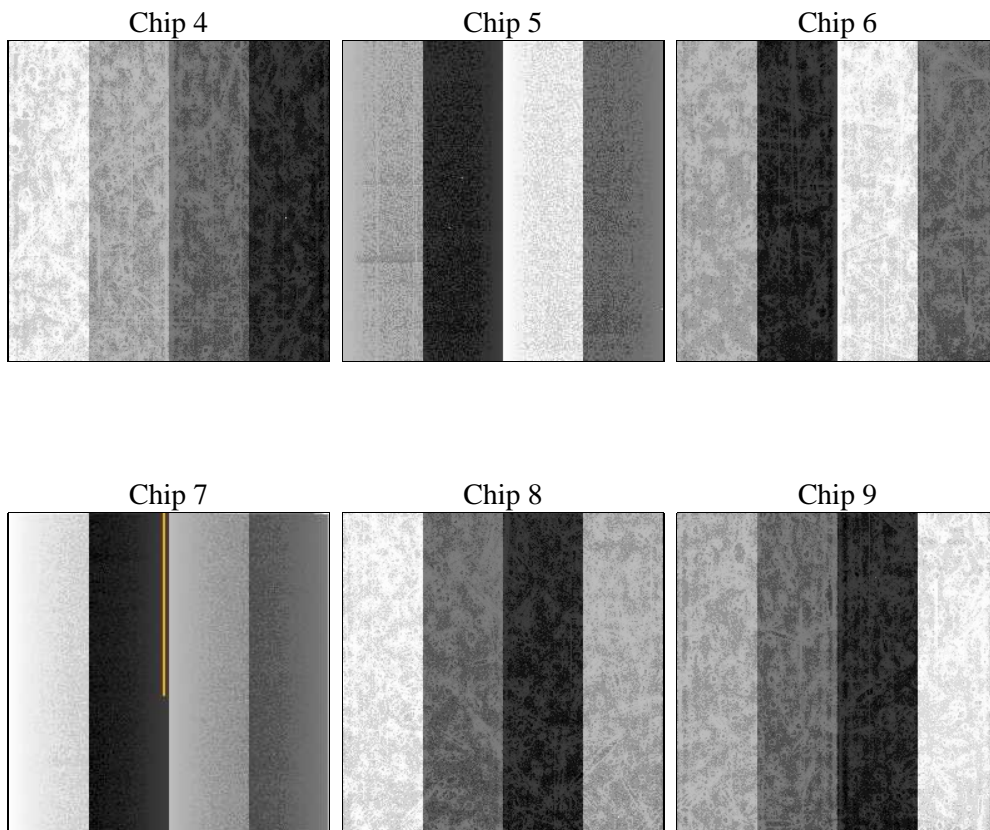
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	40047.999850869	Sum of GTIs [s]
caldbver	4.4.8	 	ontime4	40047.999850869	Sum of GTIs [s]
date	2012-02-20T23:40:01	Date and time of file creation	ontime5	40047.999850869	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	40047.999850869	Sum of GTIs [s]
			ontime7	40047.999850869	Sum of GTIs [s]
			ontime8	40044.758870542	Sum of GTIs [s]
			ontime9	40044.758850694	Sum of GTIs [s]
			l1events	1850924	Number of level 1 events

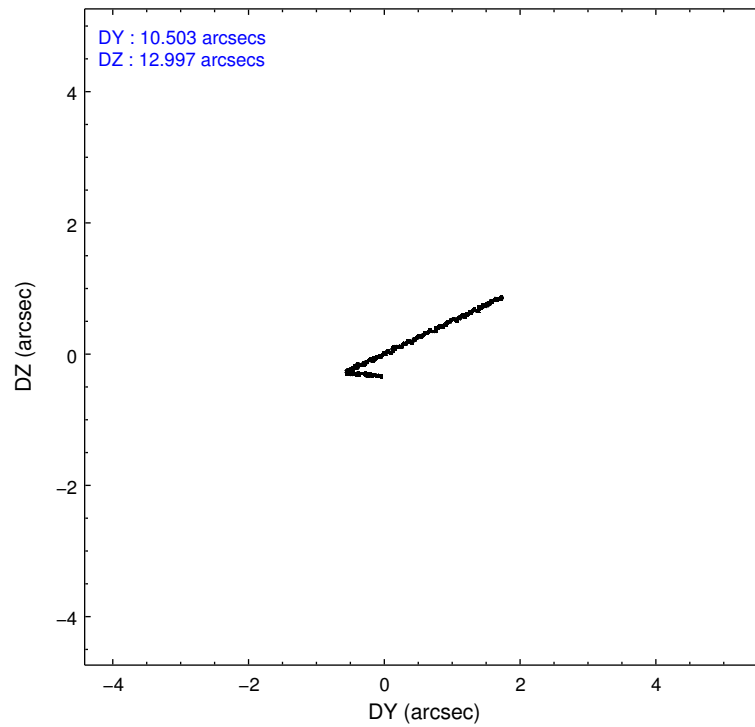
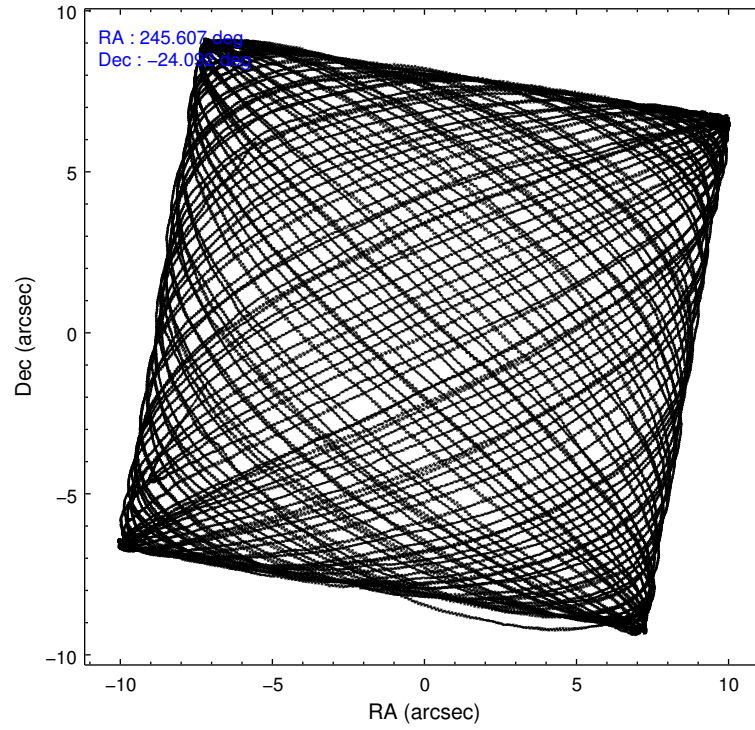
2.1.4 Events

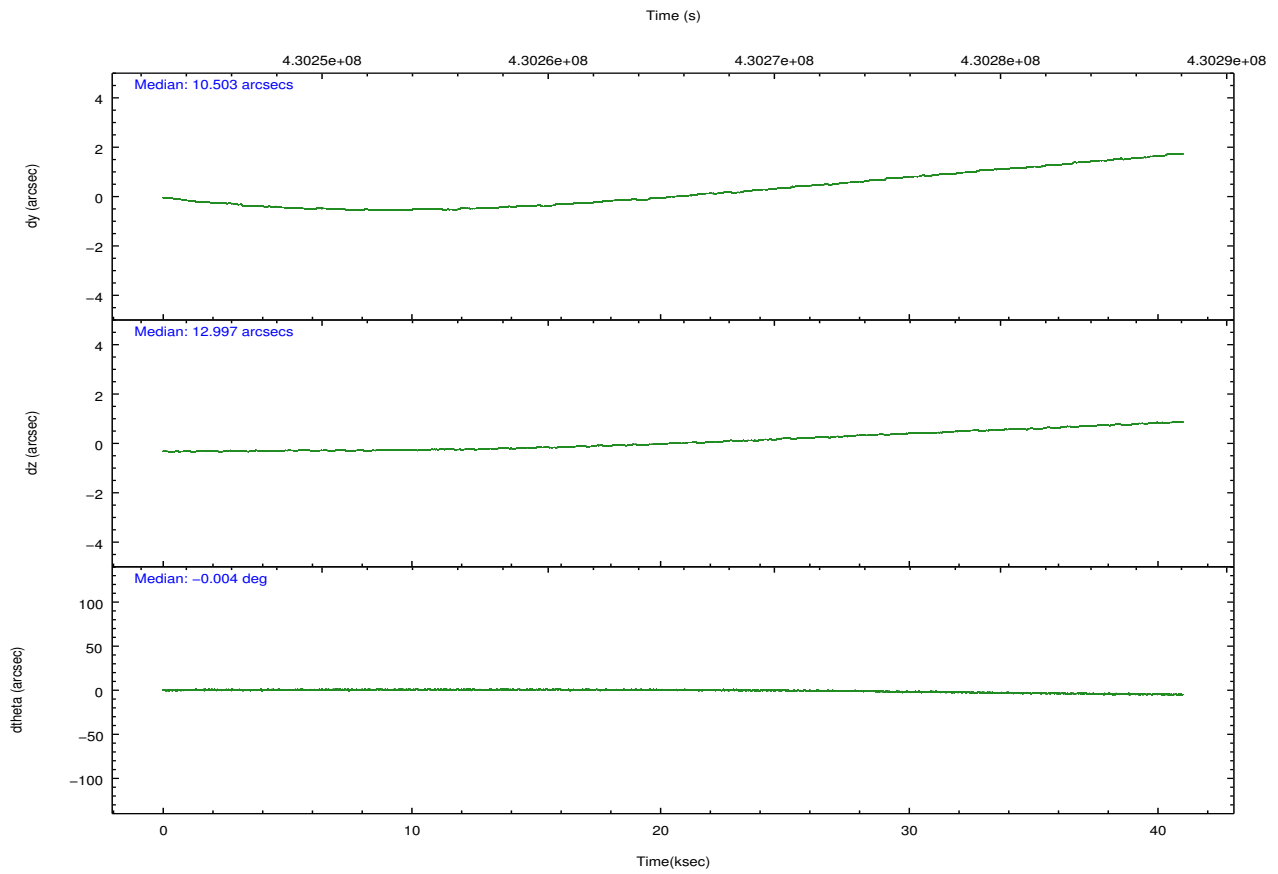
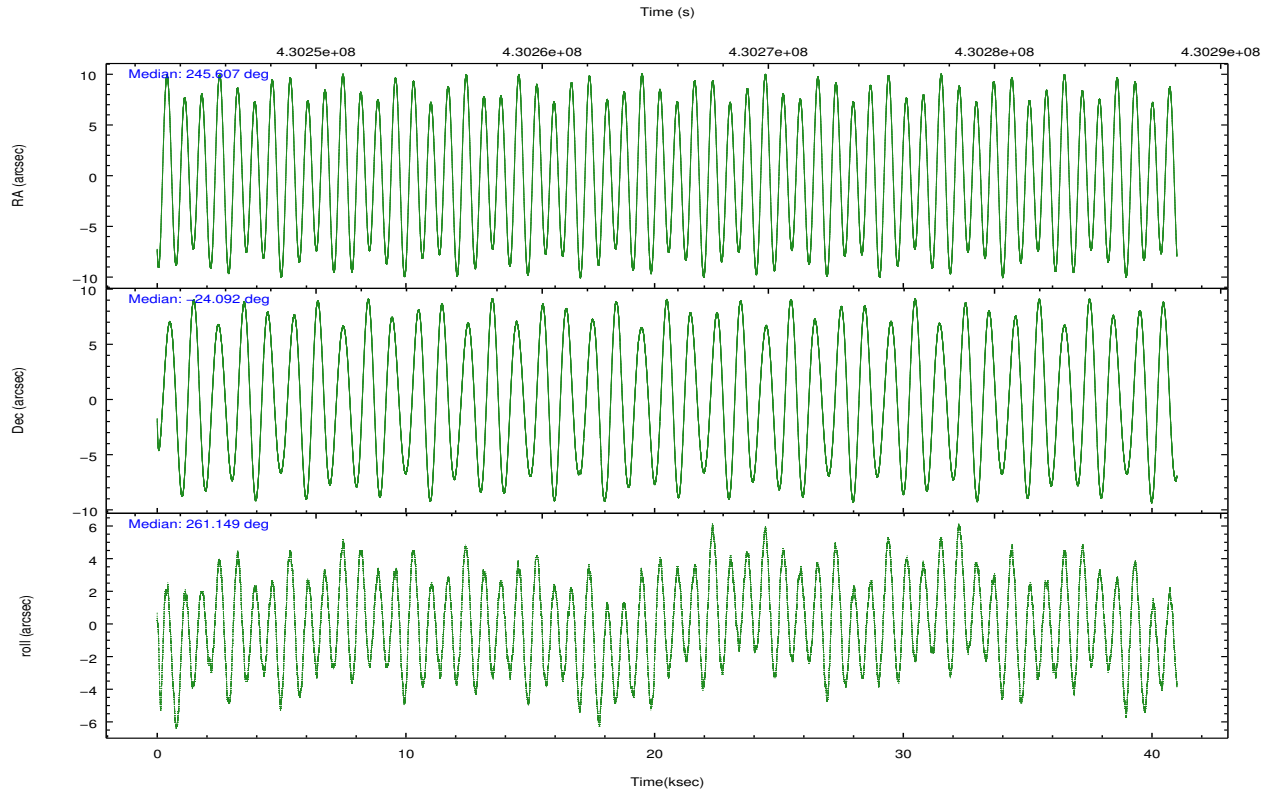
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	287262	389617	262966	322841	331757	256481	grade 0 events	13297	11626	15157	12843	26159	11838
rejected events	254768	202414	227507	178769	241459	224395		4%	2%	5%	3%	7%	4%
rejected %	88%	51%	86%	55%	72%	87%	grade 1 events	258	644	174	378	271	168
								0%	0%	0%	0%	0%	0%
							grade 2 events	7337	58006	7294	29537	20939	6979
								2%	14%	2%	9%	6%	2%
							grade 3 events	3331	7139	3177	12635	9650	3432
								1%	1%	1%	3%	2%	1%
							grade 4 events	3169	6880	3103	12439	9030	3220
								1%	1%	1%	3%	2%	1%
							grade 5 events	12054	30012	12205	33716	17874	13613
								4%	7%	4%	10%	5%	5%
							grade 6 events	5360	103582	6733	76644	24525	6625
								1%	26%	2%	23%	7%	2%
							grade 7 events	242456	171728	215123	144649	223309	210606
								84%	44%	81%	44%	67%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	245.595871	245.6070615045818	CCD I2 on	N	N
[deg] Pointing Dec	-24.066296	-24.09166085769191	CCD I3 on	N	N
[deg] Pointing Roll	260.996276	261.157471584083	CCD S0 on	O4	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	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	O3	Y
[s] Observation start time (MET)	430246027.184000	430244244.26522	CCD S5 on	O5	Y
Observation start date	2011-08-20T16:46:01	2011-08-20T16:17:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	430286027.184000	430286757.67995	On-chip summing requested	N	N
Observation end date	2011-08-21T03:52:41	2011-08-21T04:05:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



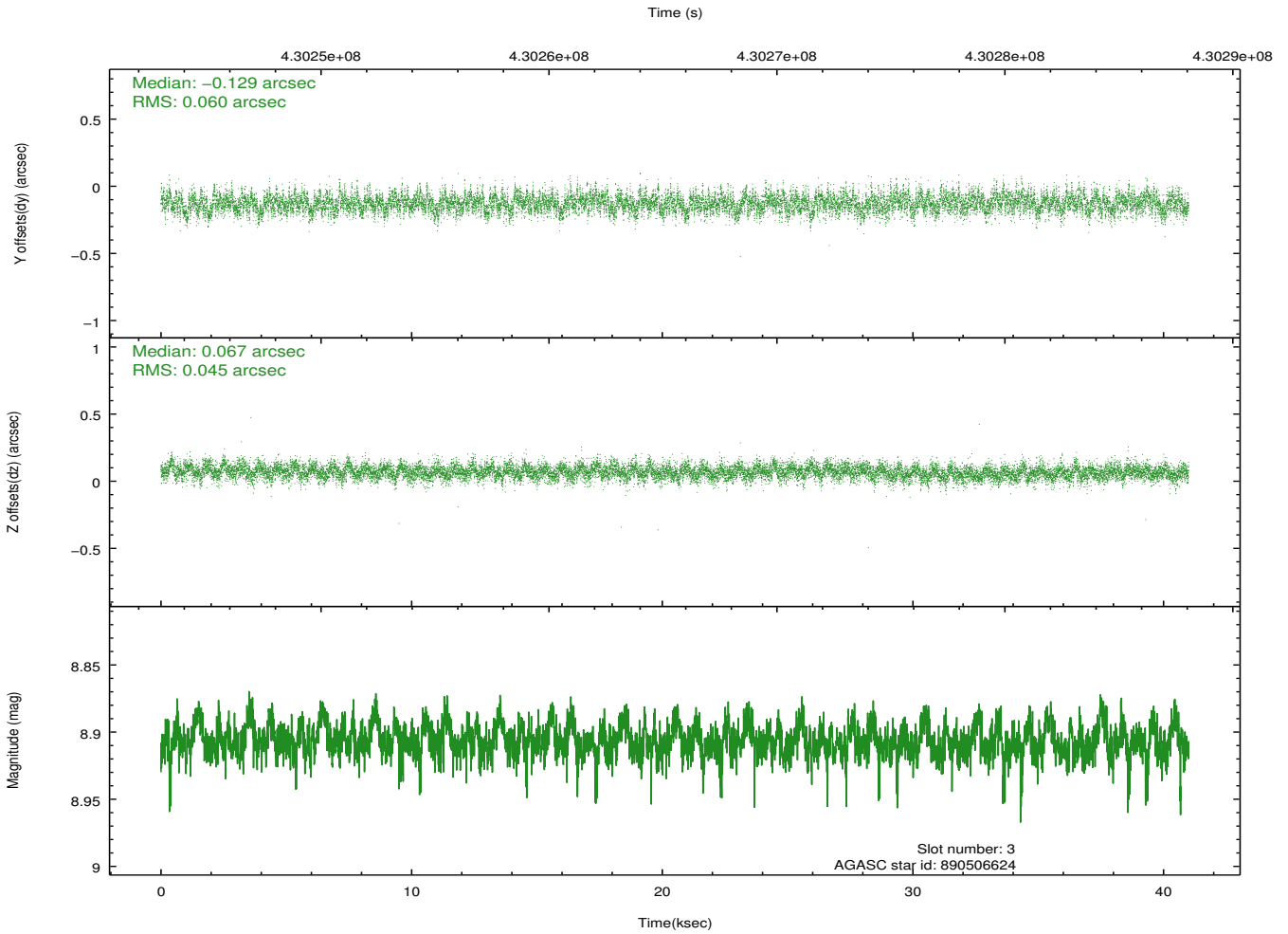
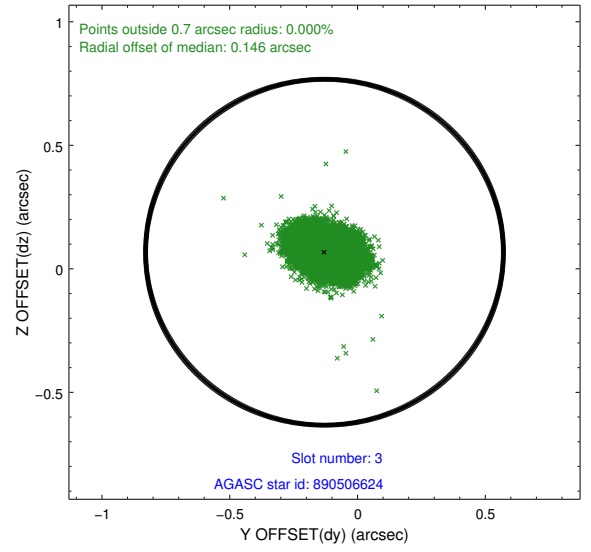
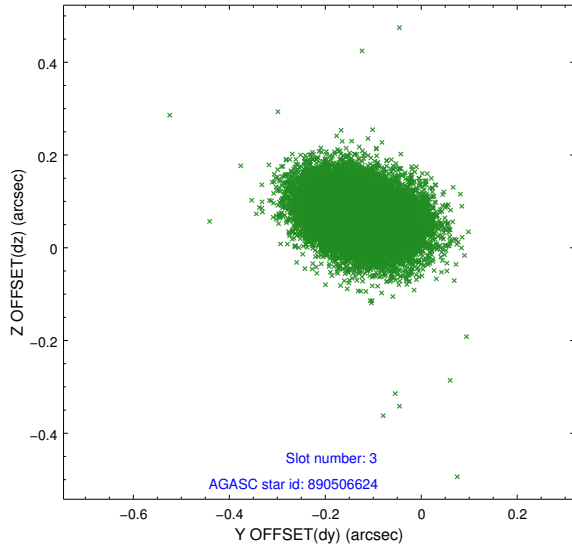


Slot Statistics

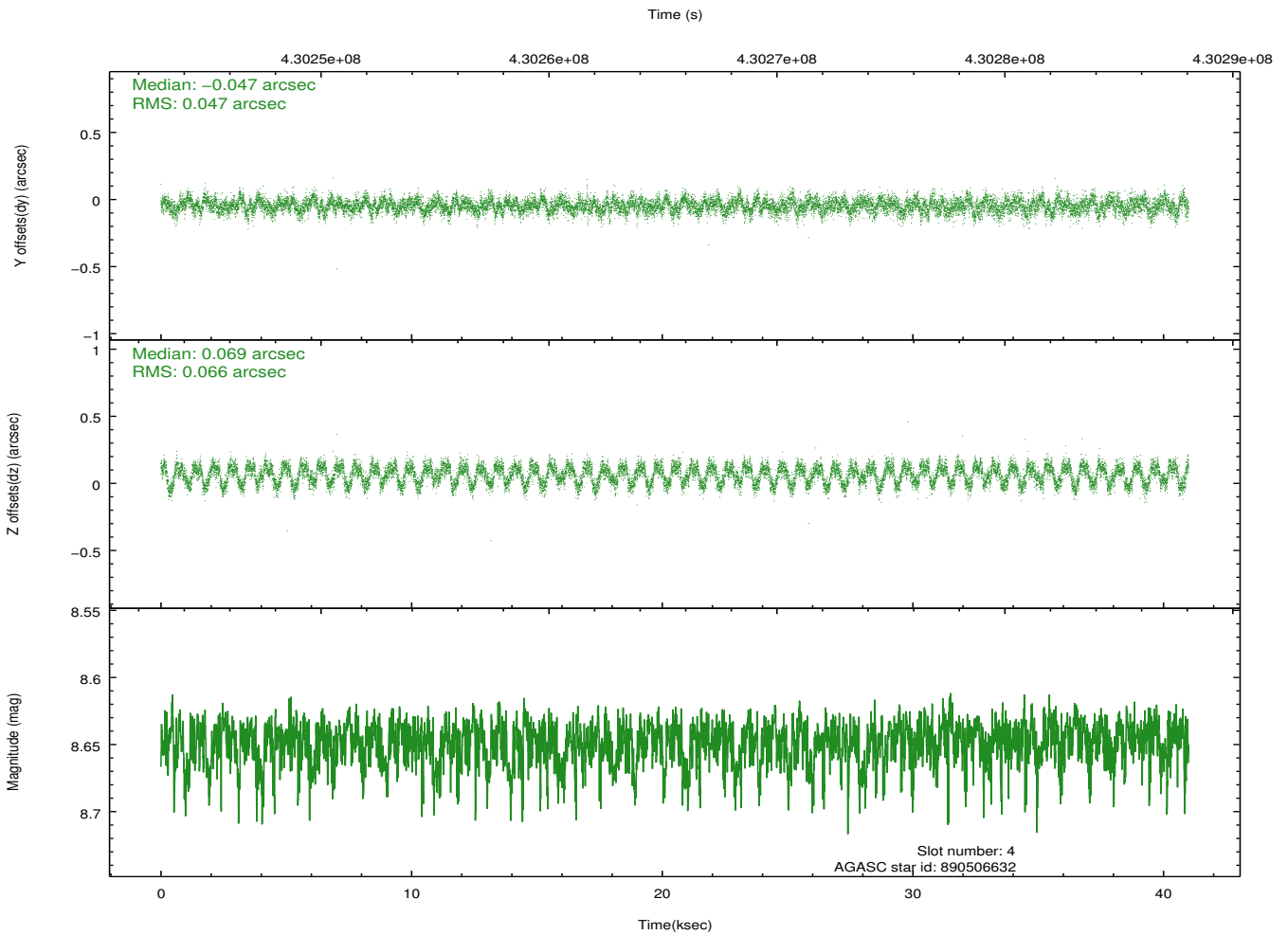
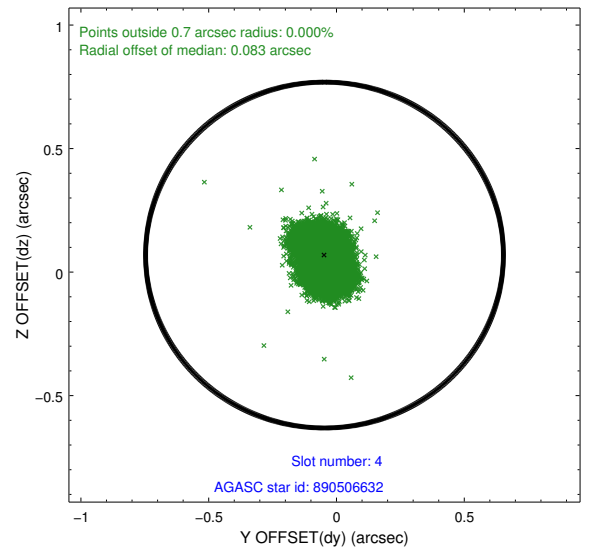
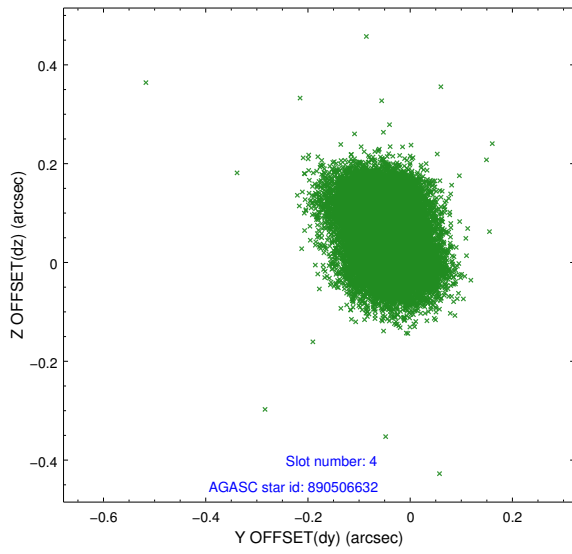
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.03	10000	0.058	-0.047	0.016	0.028	0.000000	0.000000	932.44	-1730.13
1	FID	ACIS-S-4	7.04	10002	0.146	0.010	0.018	0.029	0.000000	0.000000	2149.98	174.04
2	FID	ACIS-S-5	7.07	10001	-0.231	0.050	0.010	0.021	0.000000	0.000000	-1816.66	167.78
3	GUIDE	890506624	8.91	19991	-0.129	0.067	0.078	0.132	246.053874	-23.500392	-2245.64	1174.82
4	GUIDE	890506632	8.65	19995	-0.047	0.069	0.087	0.136	244.969990	-24.091213	415.49	-2016.23
5	GUIDE	890506712	8.42	19997	0.242	-0.217	0.068	0.111	245.019125	-24.365985	1366.74	-1698.96
6	GUIDE	890506752	8.73	19991	-0.017	0.246	0.086	0.133	245.184812	-23.845052	-572.31	-1460.69
7	GUIDE	890507576	7.38	19998	-0.049	-0.154	0.063	0.106	245.329963	-23.707983	-1135.35	-1067.51

2.4 Star Slots

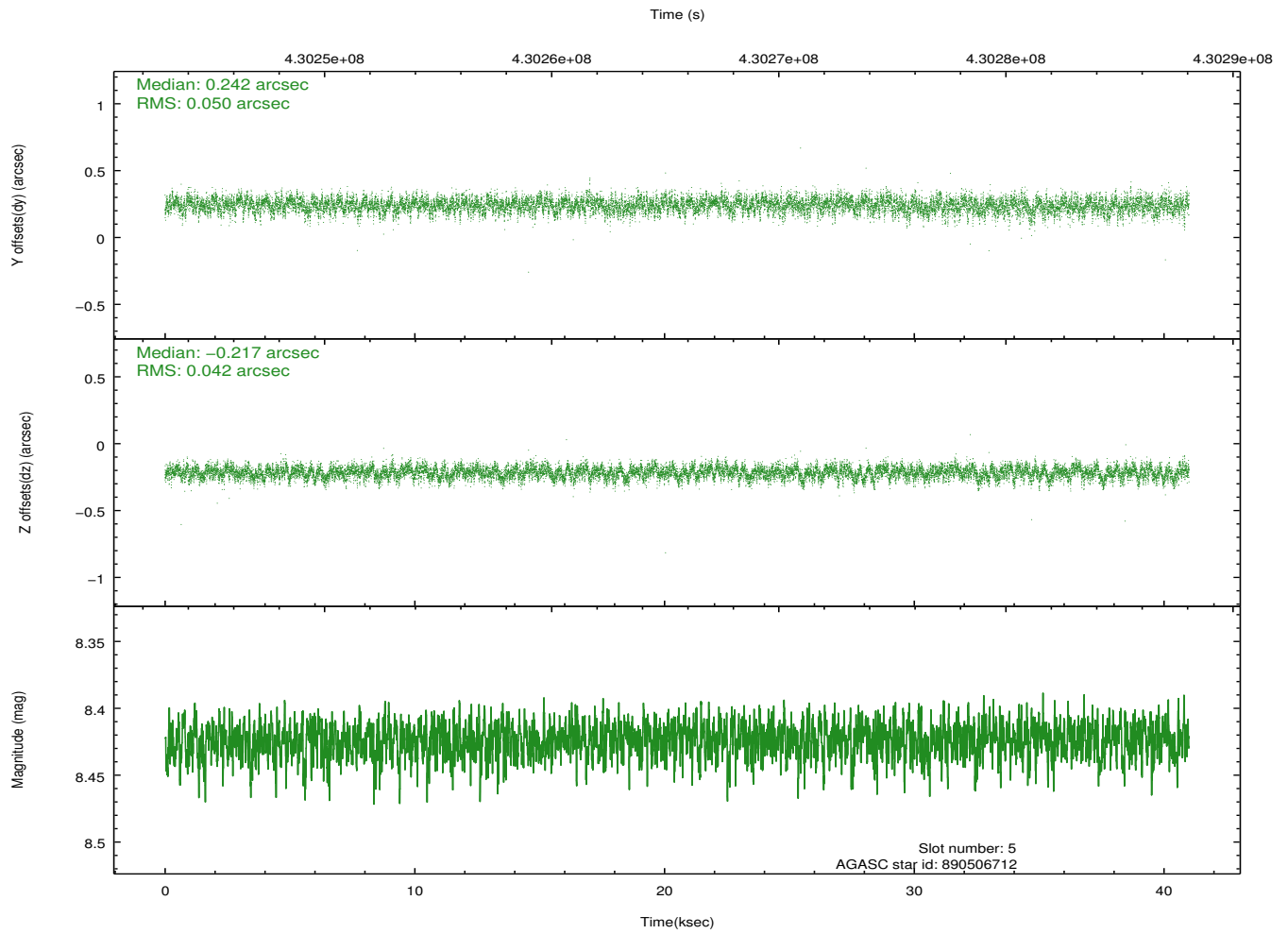
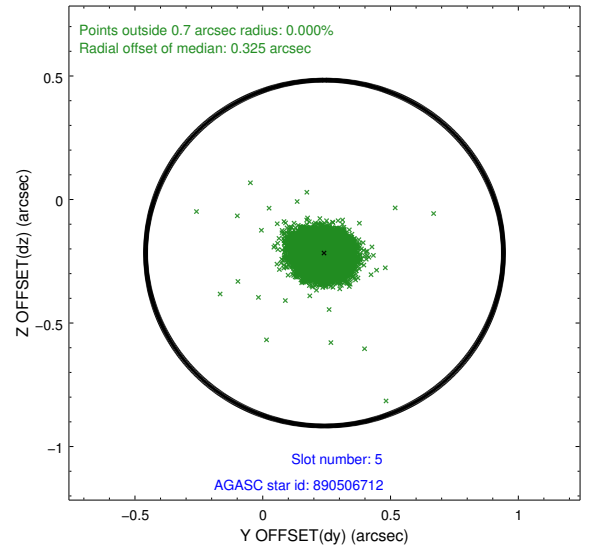
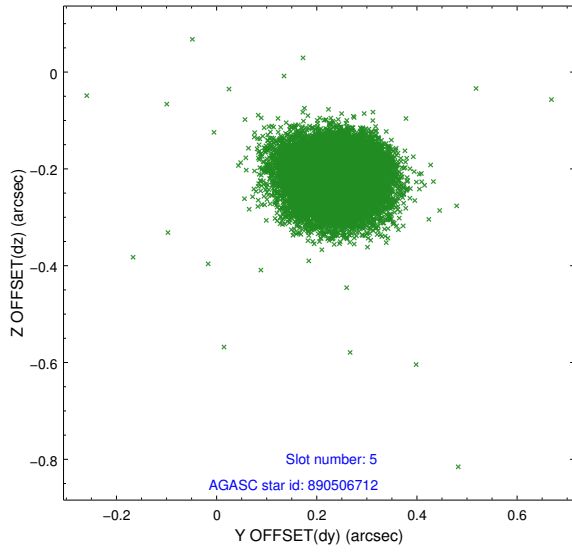
2.4.1 Slot 3



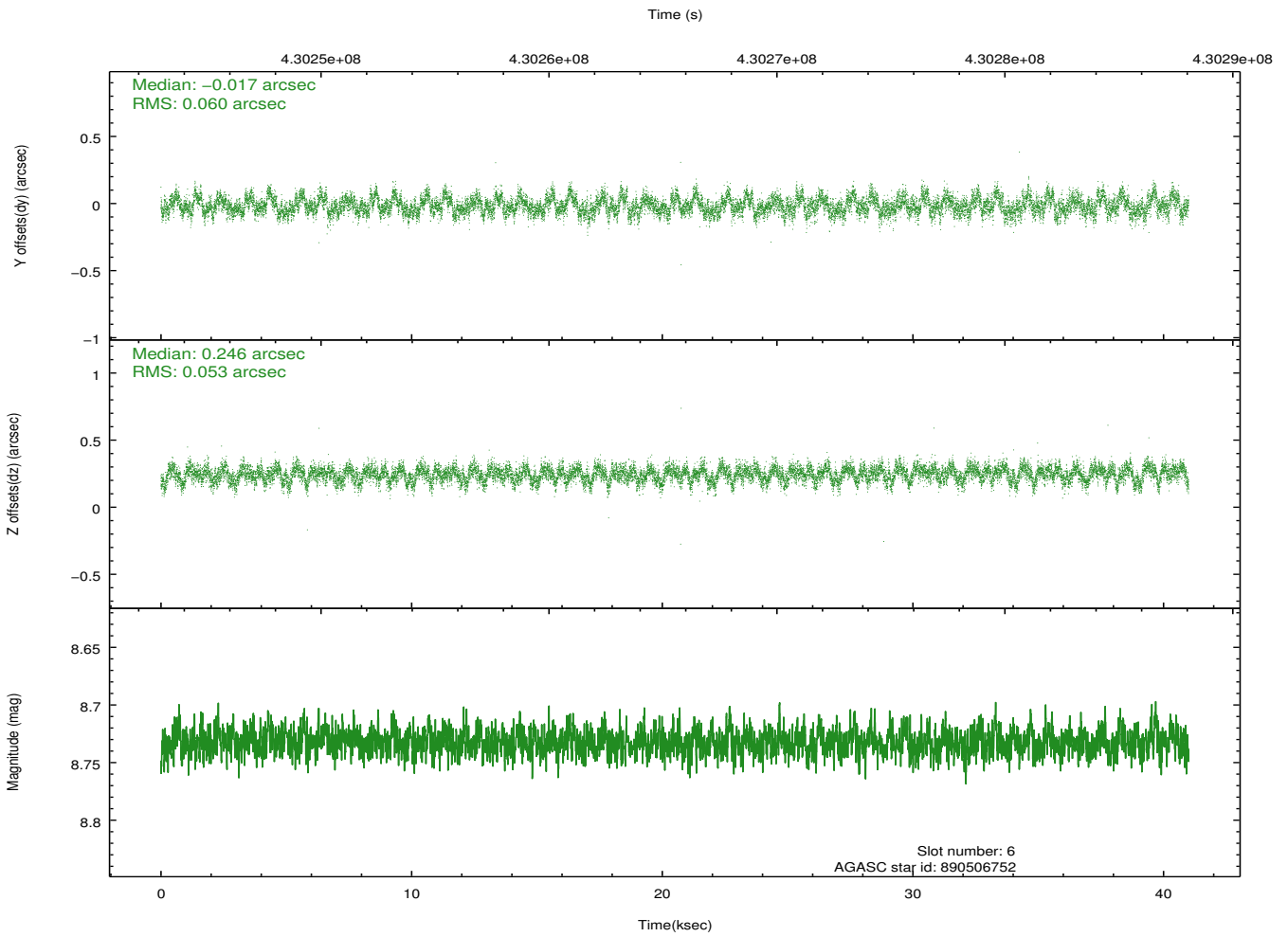
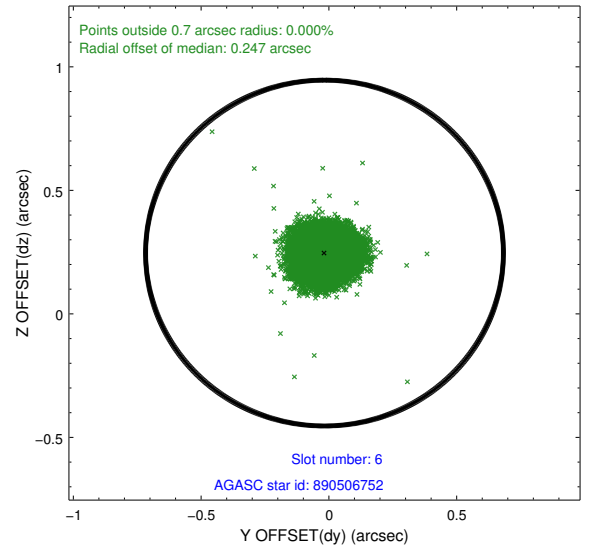
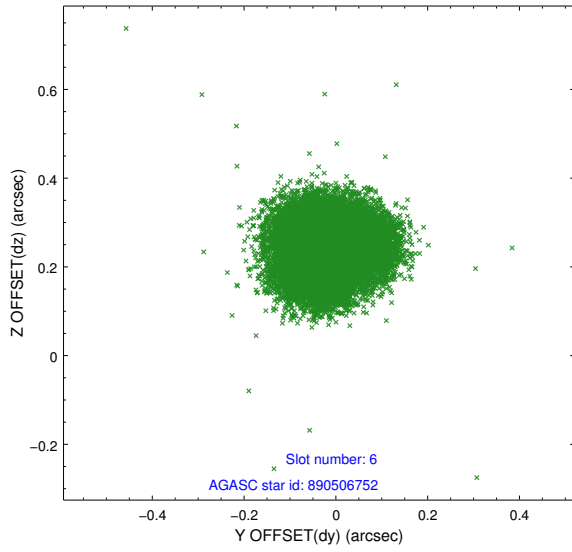
2.4.2 Slot 4



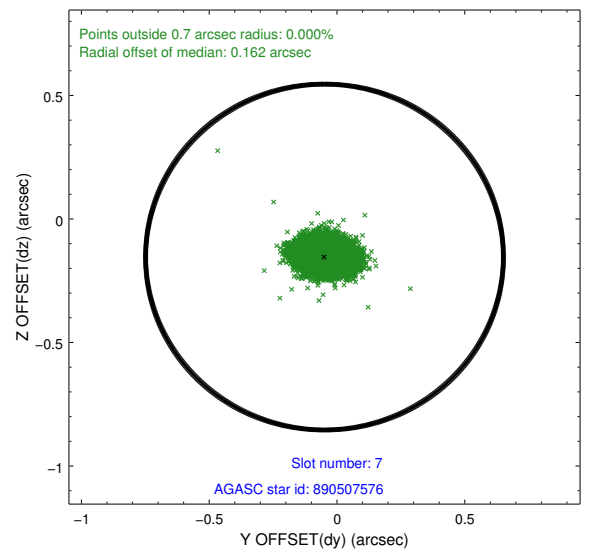
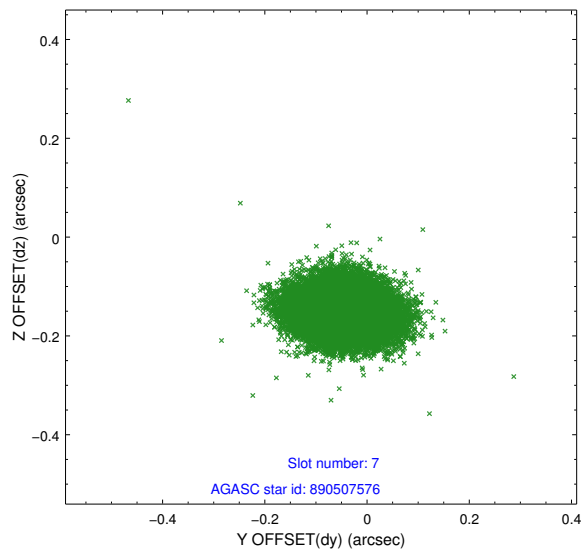
2.4.3 Slot 5



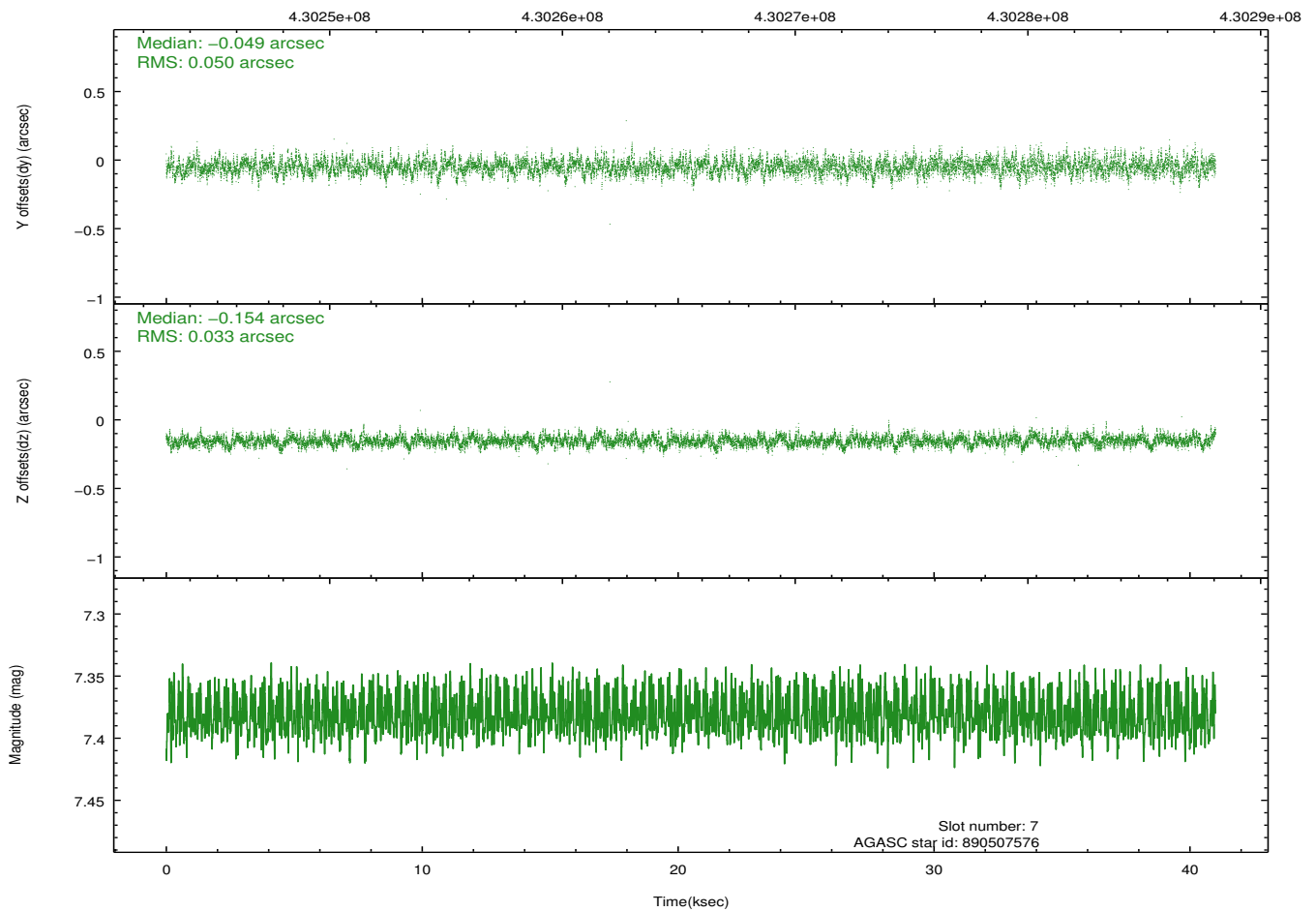
2.4.4 Slot 6



2.4.5 Slot 7

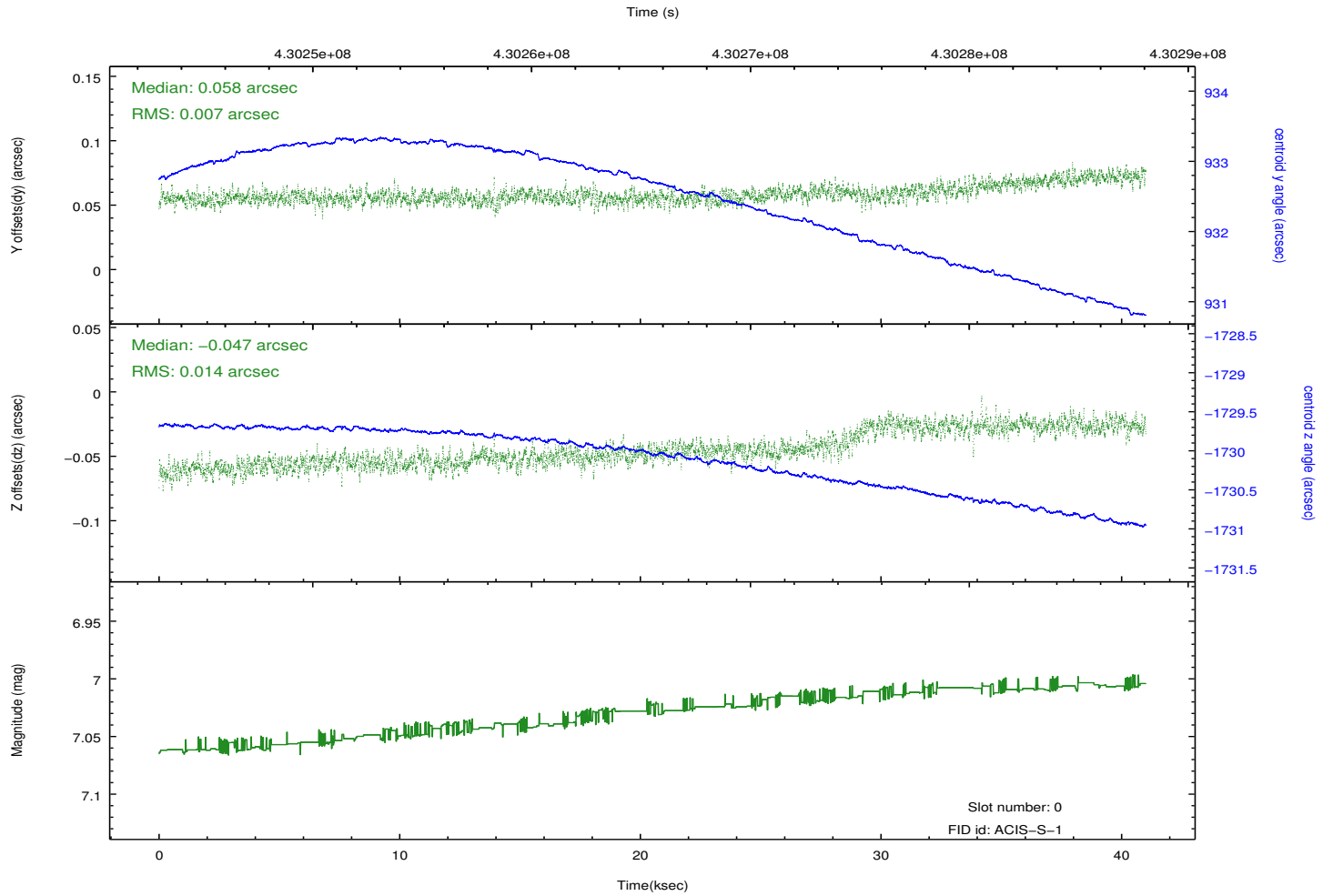
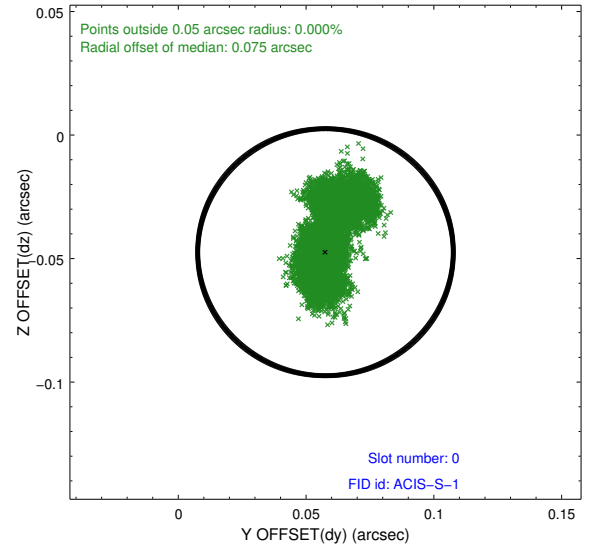
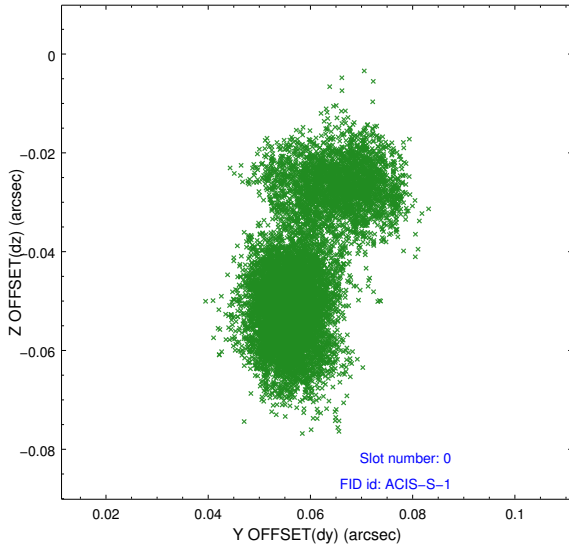


Time (s)

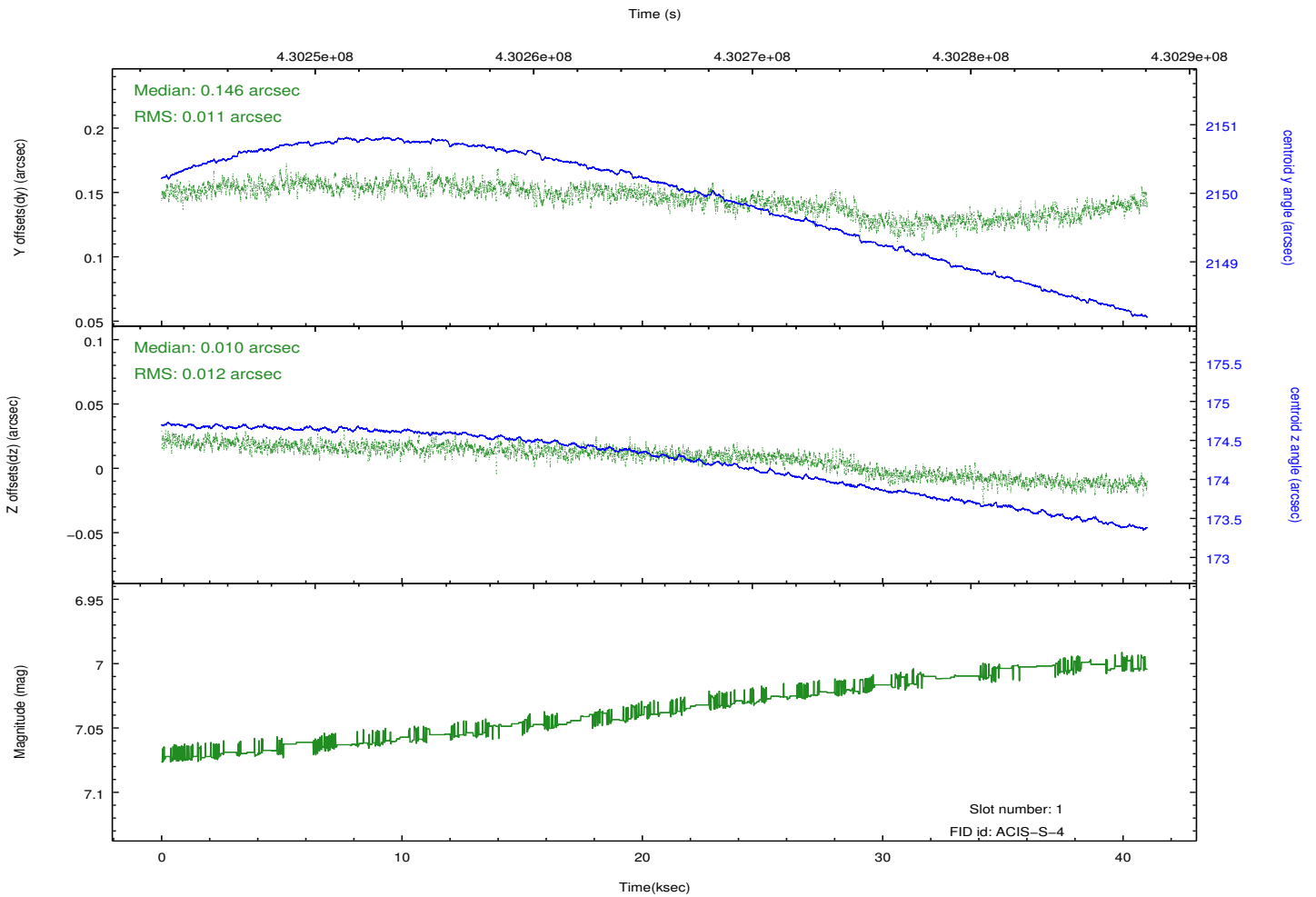
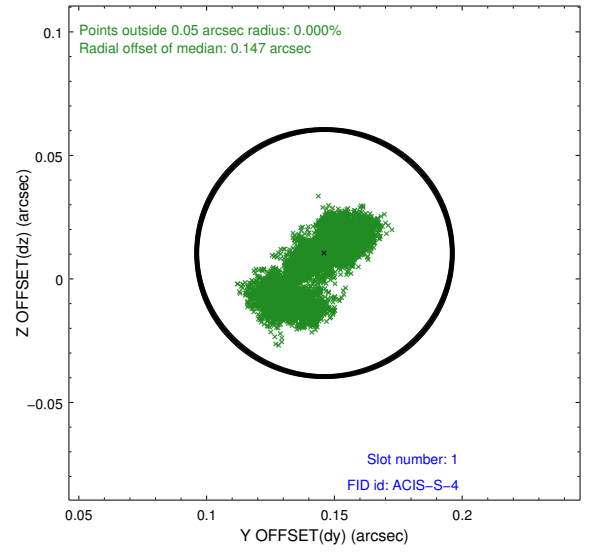
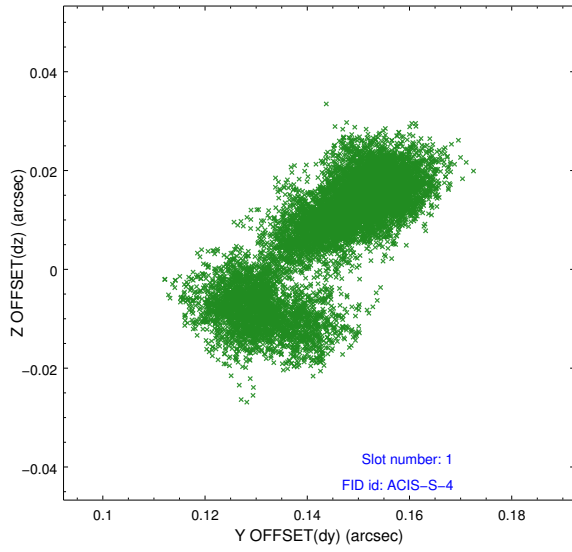


2.5 FID Slots

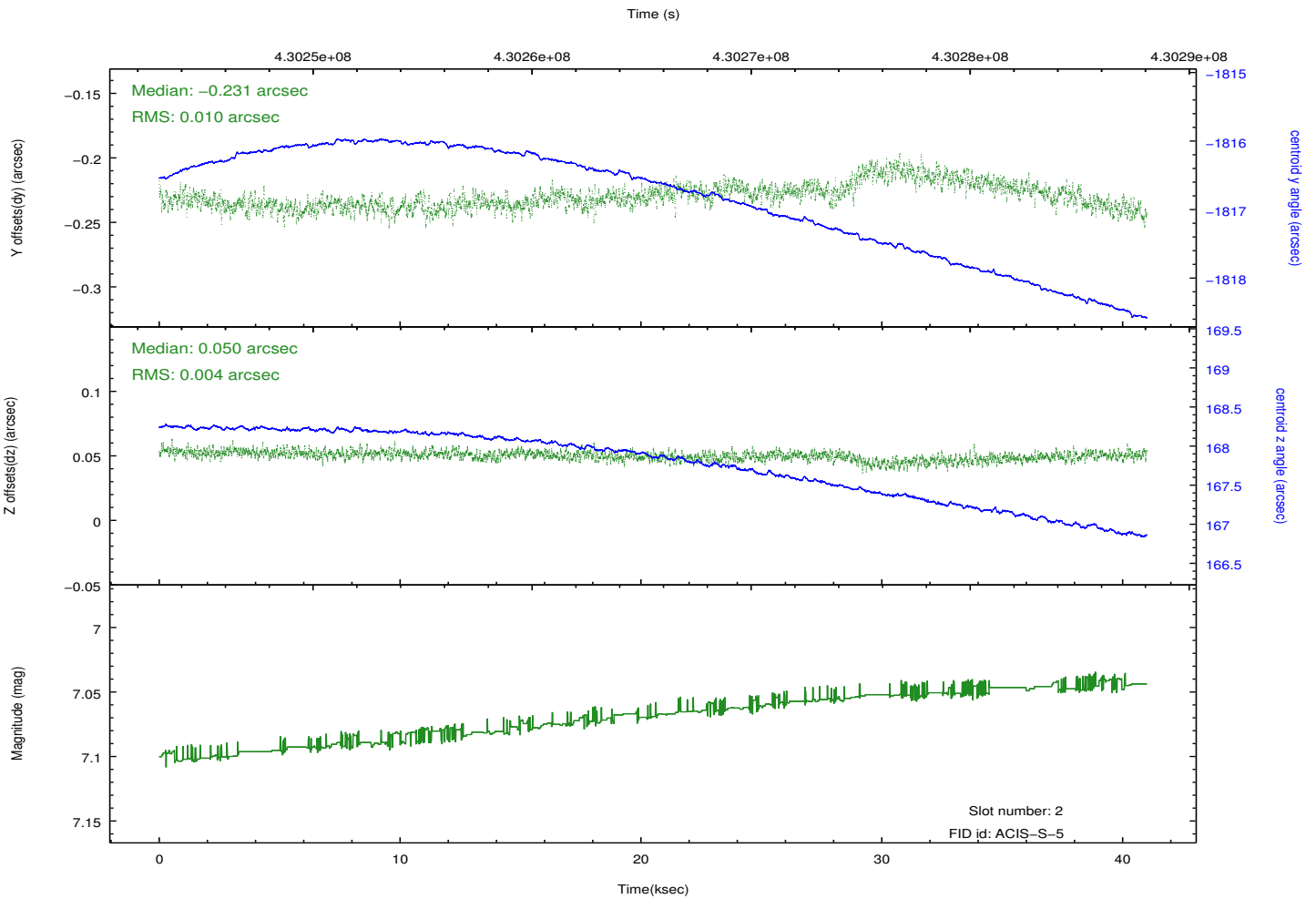
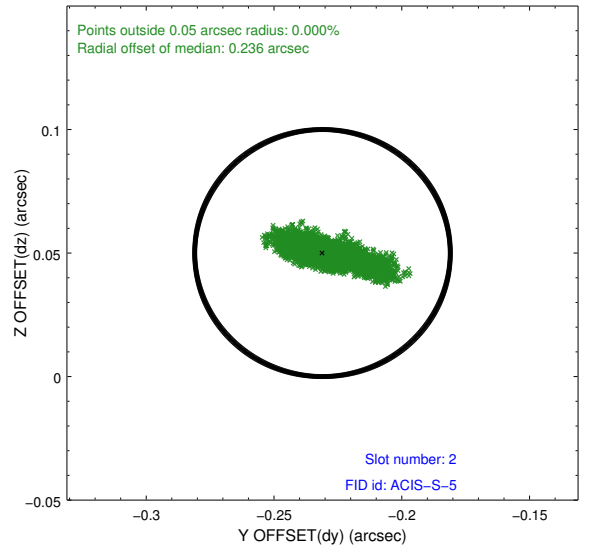
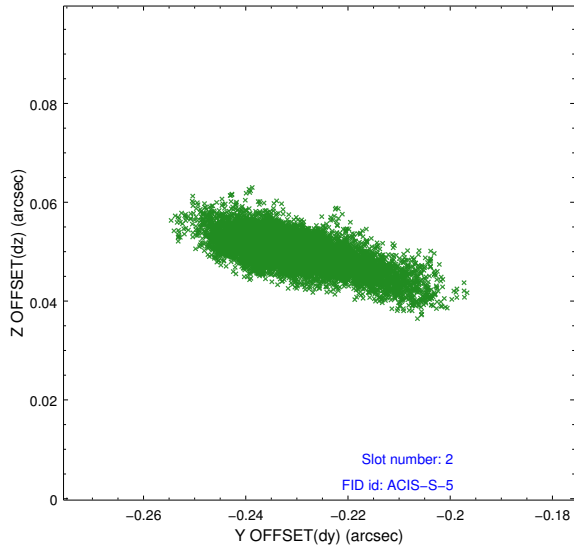
2.5.1 Slot 0



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)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.047999850869

A.2 Comments