

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 1596 - L2 Version 3
Chandra X-Ray Center

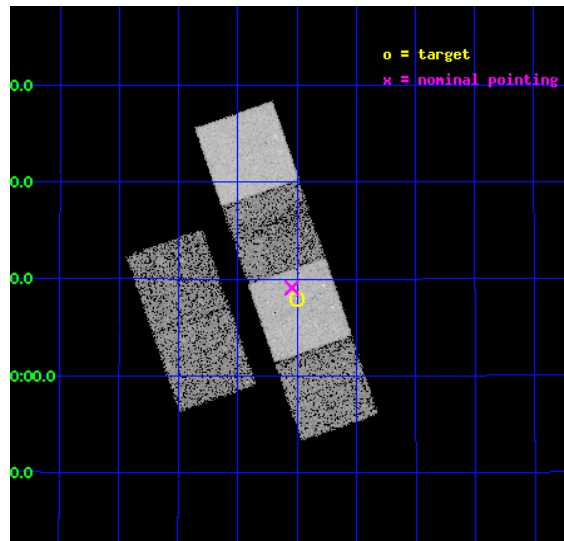
L2 Processing Date : Jan 14 2013

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1 Front

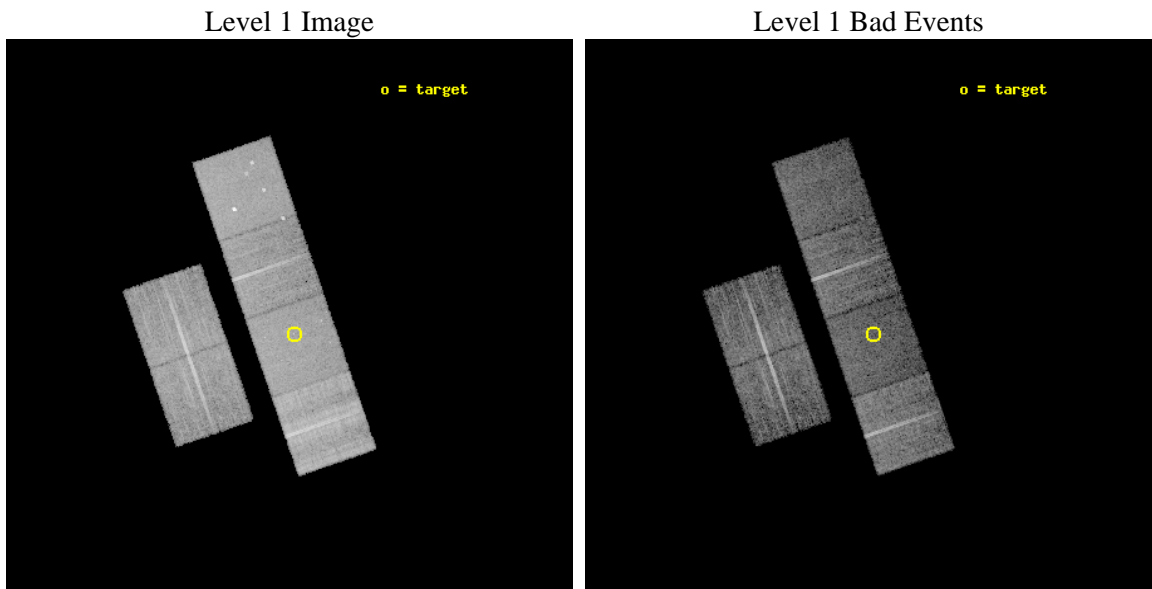
seq_num	700212	Sequence number
obs_id	1596	Observation id
title	THE NATURE OF THE X-RAY EMISSION FROM THE RADIO SOURCE 0902+343	Pr
observer	Professor Andrew Fabian	Principal investigator
object	0902+343	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.375417	Observer's specified target RA [deg]
dec_targ	34.1325	Observer's specified target Dec [deg]
ra_nom	136.3857638776	Nominal RA [deg]
dec_nom	34.151691757771	Nominal Dec [deg]
roll_nom	70.991787438727	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9904.0000092089	Sum of GTIs [s]
livetime	9778.5895976195	Livetime [s]
ontime2	9900.7590290457	Sum of GTIs [s]
ontime3	9904.0000092089	Sum of GTIs [s]
ontime5	9904.0000092089	Sum of GTIs [s]
ontime6	9904.0000092089	Sum of GTIs [s]
ontime7	9904.0000092089	Sum of GTIs [s]
ontime8	9900.7591885775	Sum of GTIs [s]
l2events	100195	Number of level 2 events



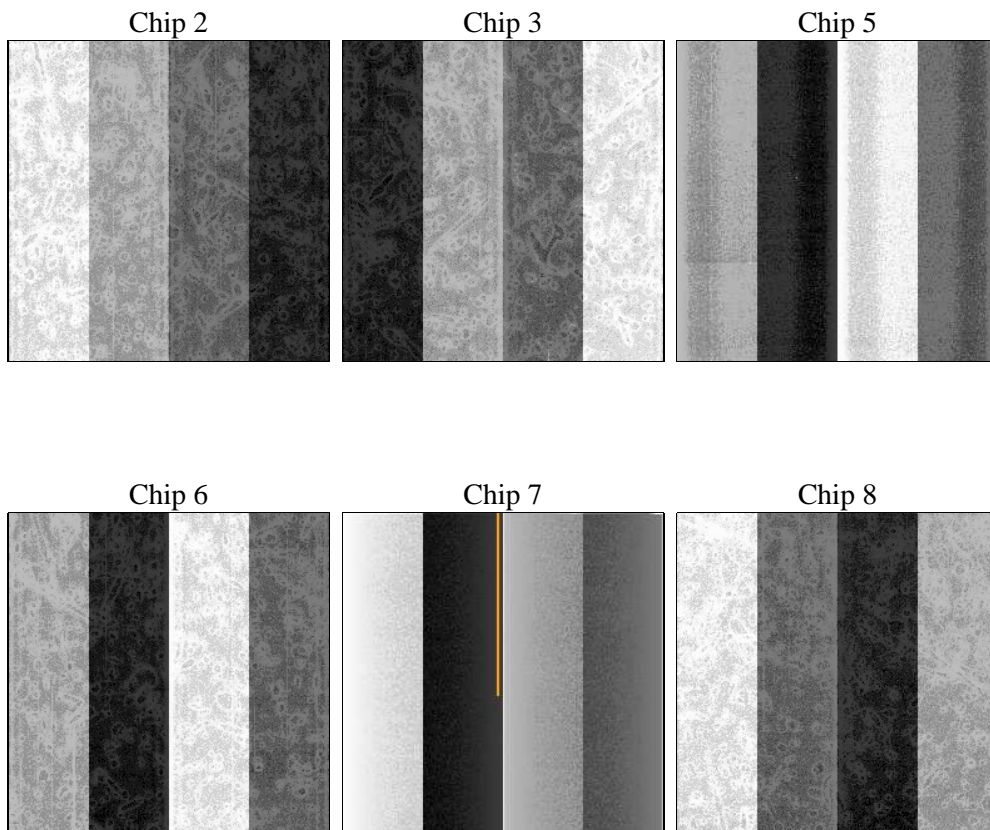
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10150.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	9904.0000092089	Sum of GTIs [s]
caldbver	4.5.5	 	ontime2	9900.7590290457	Sum of GTIs [s]
date	2013-01-15T00:38:12	Date and time of file creation	ontime3	9904.0000092089	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9904.0000092089	Sum of GTIs [s]
			ontime6	9904.0000092089	Sum of GTIs [s]
			ontime7	9904.0000092089	Sum of GTIs [s]
			ontime8	9900.7591885775	Sum of GTIs [s]
			l1events	505632	Number of level 1 events

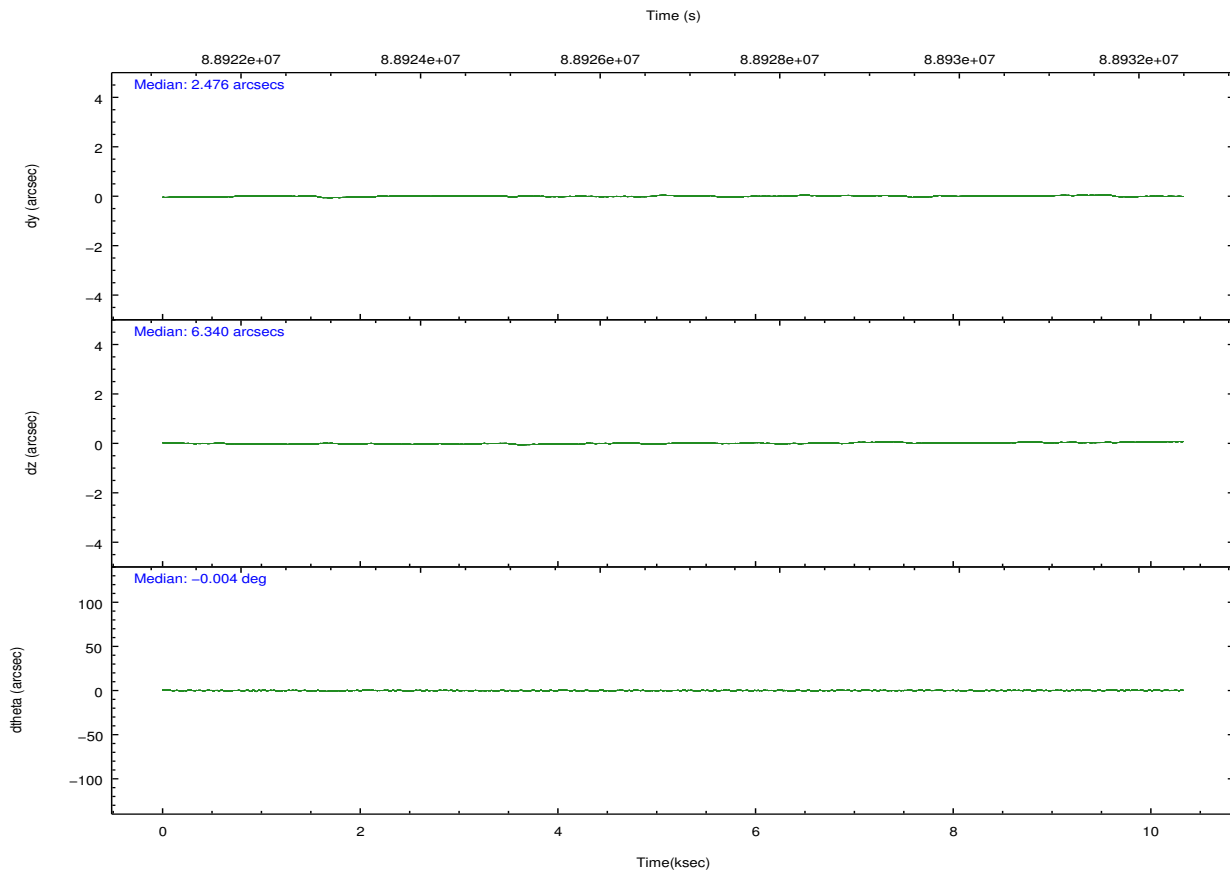
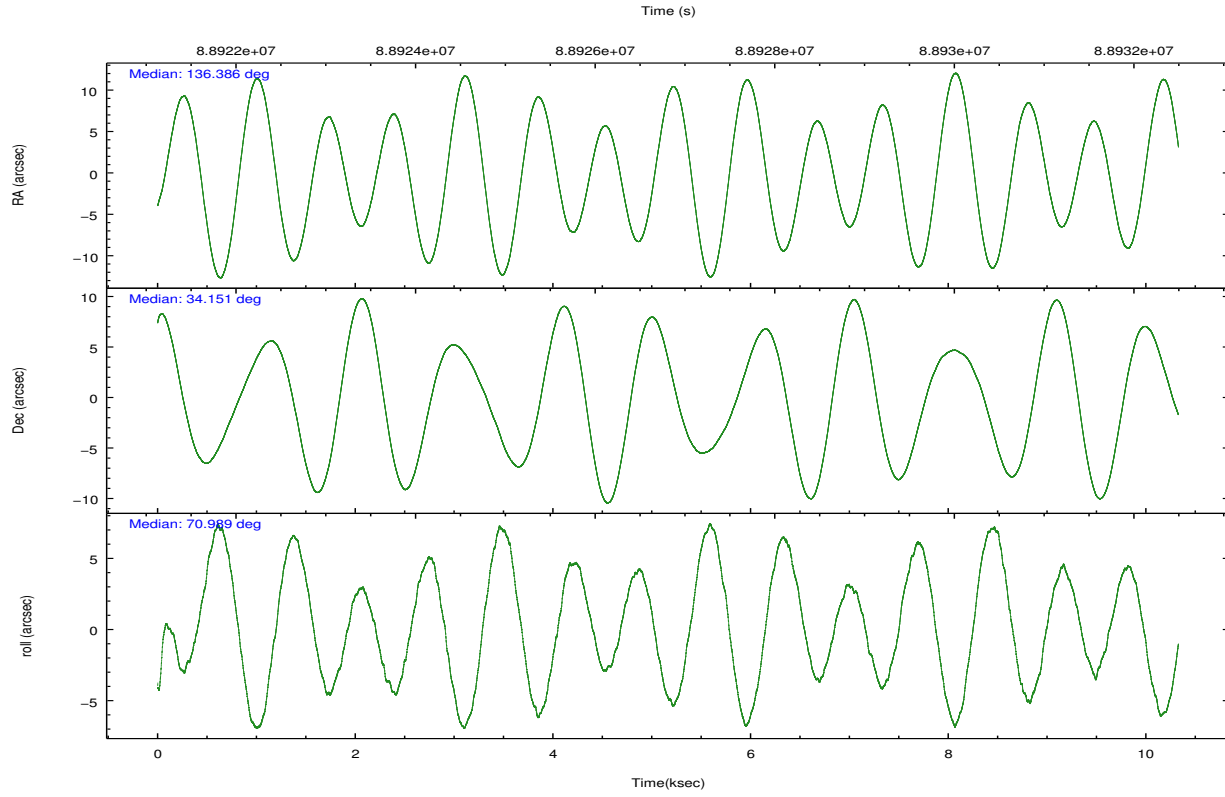
2.1.4 Events

	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	73576	69815	92550	70560	81023	118108	grade 0 events	3747	3328	7659	3403	3554	11550
rejected events	65002	61851	48364	62110	46956	78019		5%	4%	8%	4%	4%	9%
rejected %	88%	88%	52%	88%	57%	66%	grade 1 events	42	29	152	30	87	121
								0%	0%	0%	0%	0%	0%
							grade 2 events	1972	1712	11849	1884	6777	6772
								2%	2%	12%	2%	8%	5%
							grade 3 events	649	675	2076	755	3086	6293
								0%	0%	2%	1%	3%	5%
							grade 4 events	759	721	1961	764	3087	5521
								1%	1%	2%	1%	3%	4%
							grade 5 events	2200	2346	6903	2580	7809	3690
								2%	3%	7%	3%	9%	3%
							grade 6 events	1449	1533	20670	1650	17587	9961
								1%	2%	22%	2%	21%	8%
							grade 7 events	62758	59471	41280	59494	39036	74200
								85%	85%	44%	84%	48%	62%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	136.392240	136.3857638775985	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.124833	34.15169175777055	Alternating exposures requested	N	N
[deg] Pointing Roll	70.831529	70.9917874387269	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	88921828.184000	88921165.906252			
Observation start date	2000-10-26T04:29:24	2000-10-26T04:19:25			
[s] Observation end time (MET)	88931978.184000	88932174.40666801			
Observation end date	2000-10-26T07:18:34	2000-10-26T07:22:54			
Read mode	TIMED	TIMED			

2.3 Aspect

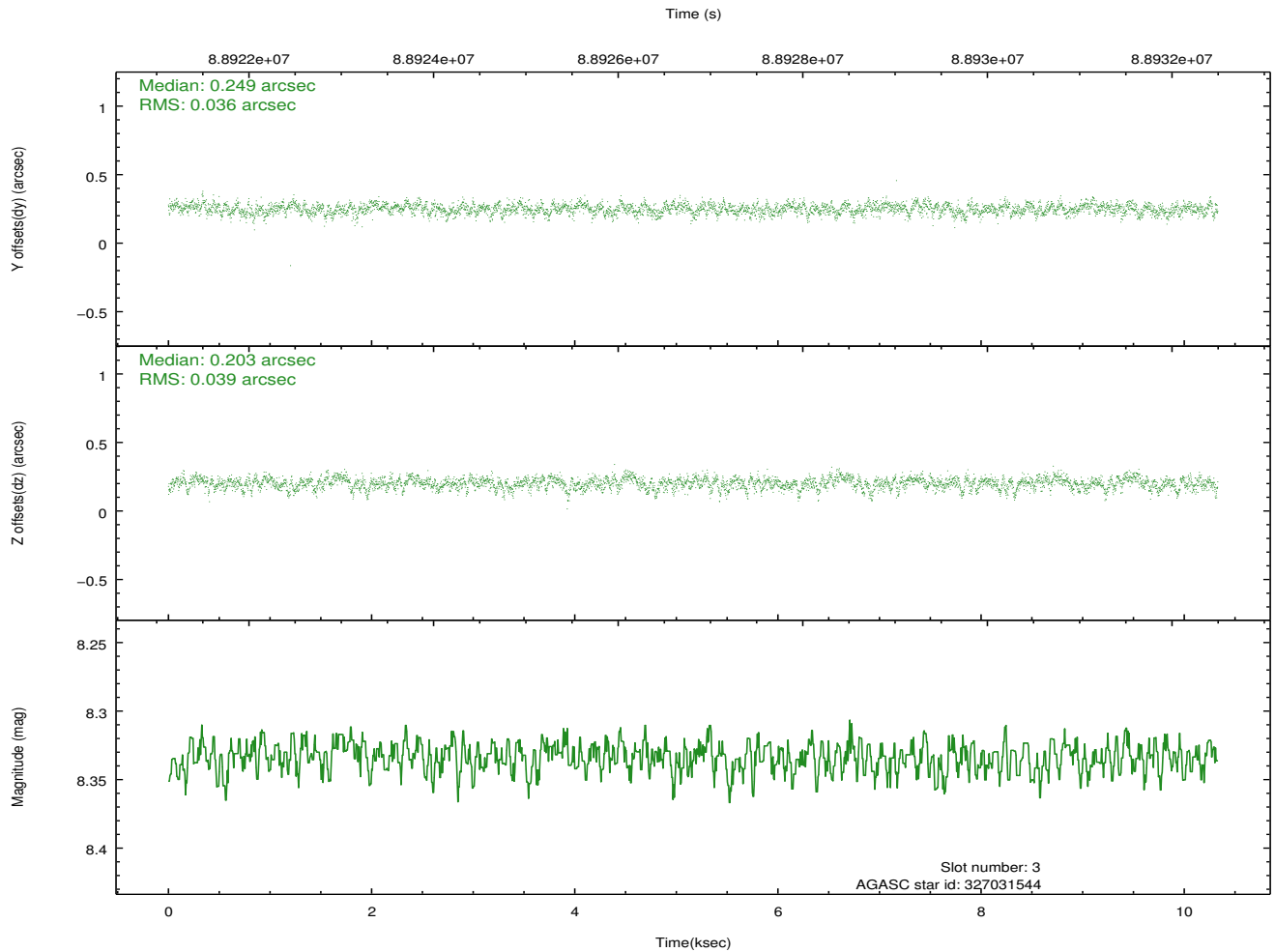
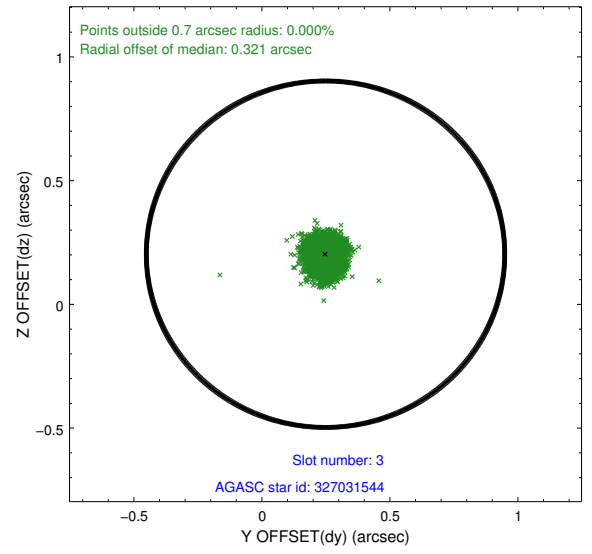
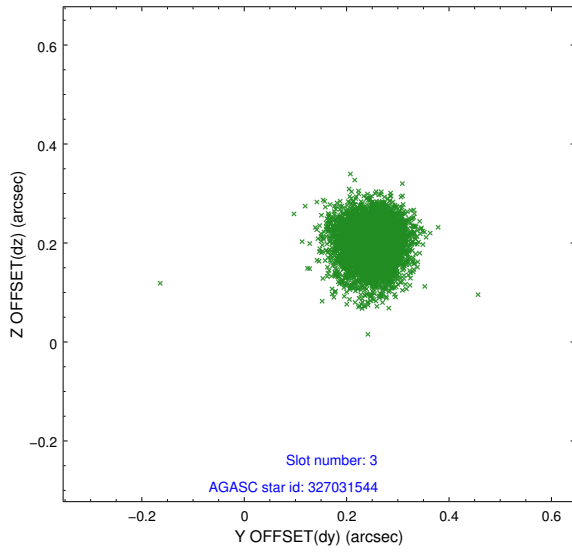


Slot Statistics

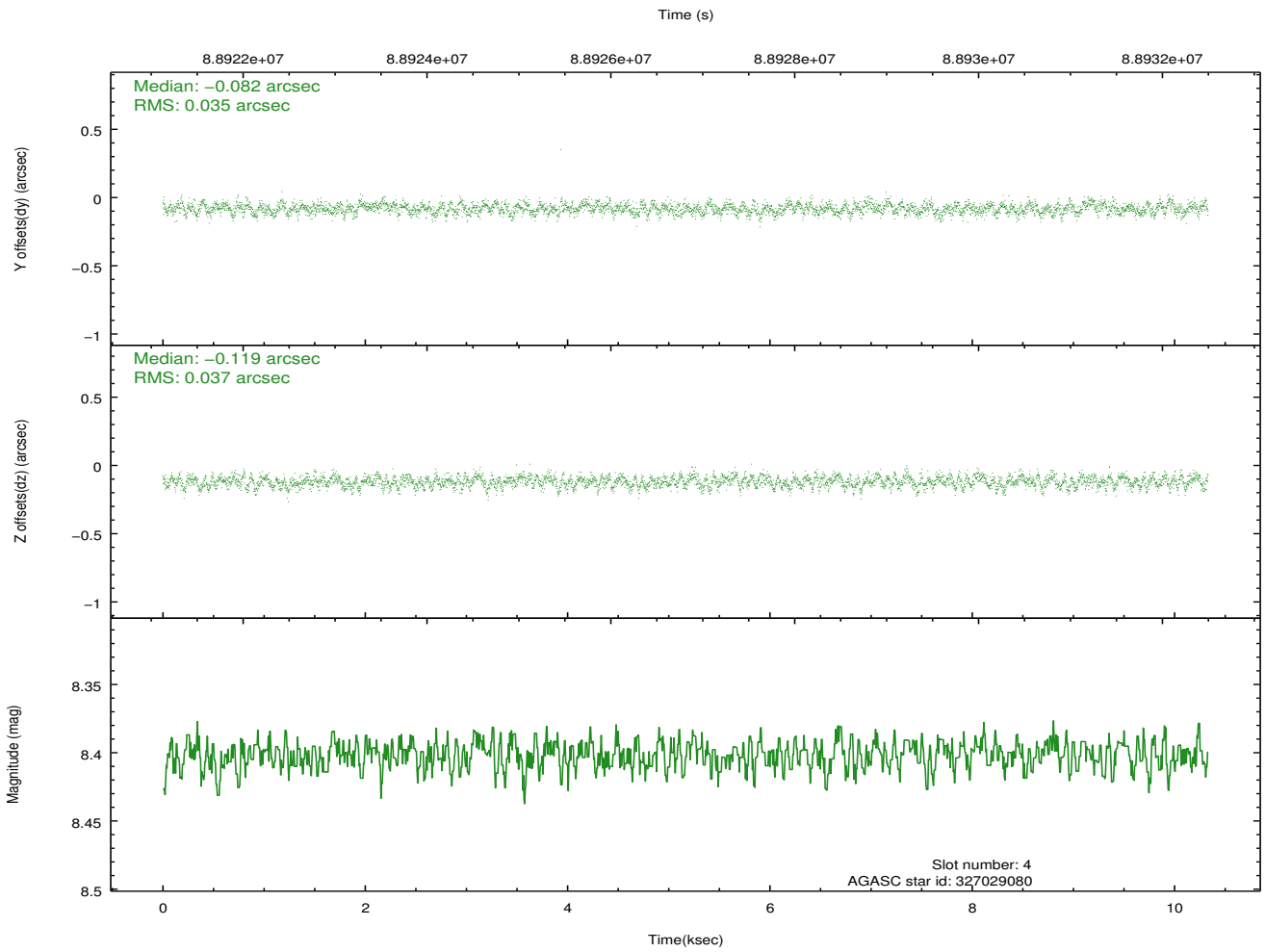
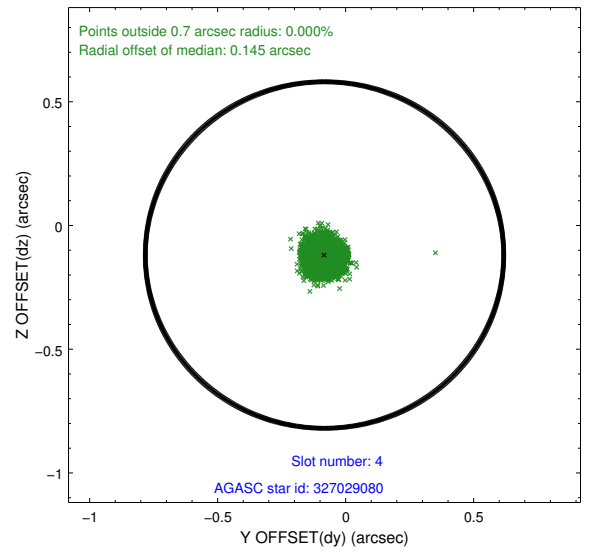
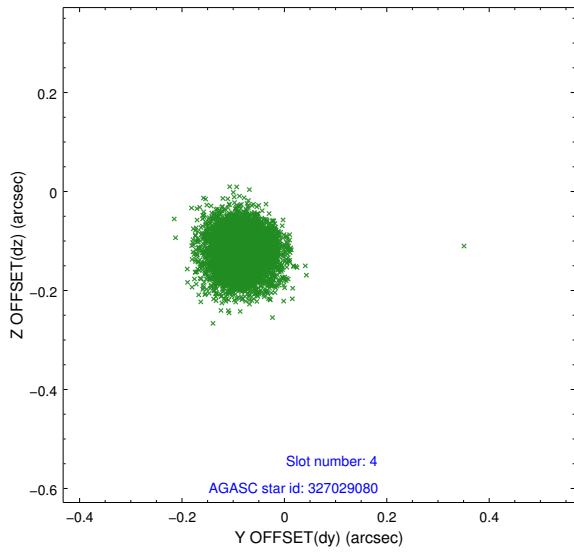
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2520	-0.024	0.017	0.007	0.012	0.000000	0.000000	-755.11	-1727.48
1	FID	ACIS-S-4	7.20	2520	-0.038	0.007	0.006	0.013	0.000000	0.000000	2157.91	180.49
2	FID	ACIS-S-5	7.23	2520	0.031	-0.015	0.007	0.012	0.000000	0.000000	-1807.26	174.69
3	GUIDE	327031544	8.33	5038	0.249	0.203	0.056	0.091	136.661642	33.370521	-2296.52	-1656.57
4	GUIDE	327029080	8.40	5038	-0.082	-0.119	0.054	0.088	136.078040	34.539830	1107.22	1370.47
5	GUIDE	327026776	8.72	5037	-0.116	-0.158	0.055	0.089	136.193240	34.587601	1381.79	1104.23
6	GUIDE	327029704	9.03	5038	-0.055	0.134	0.065	0.106	136.726389	34.530128	1706.59	-456.30
7	GUIDE	327032080	9.13	5038	0.007	-0.055	0.064	0.107	136.187340	34.400970	741.26	901.13

2.4 Star Slots

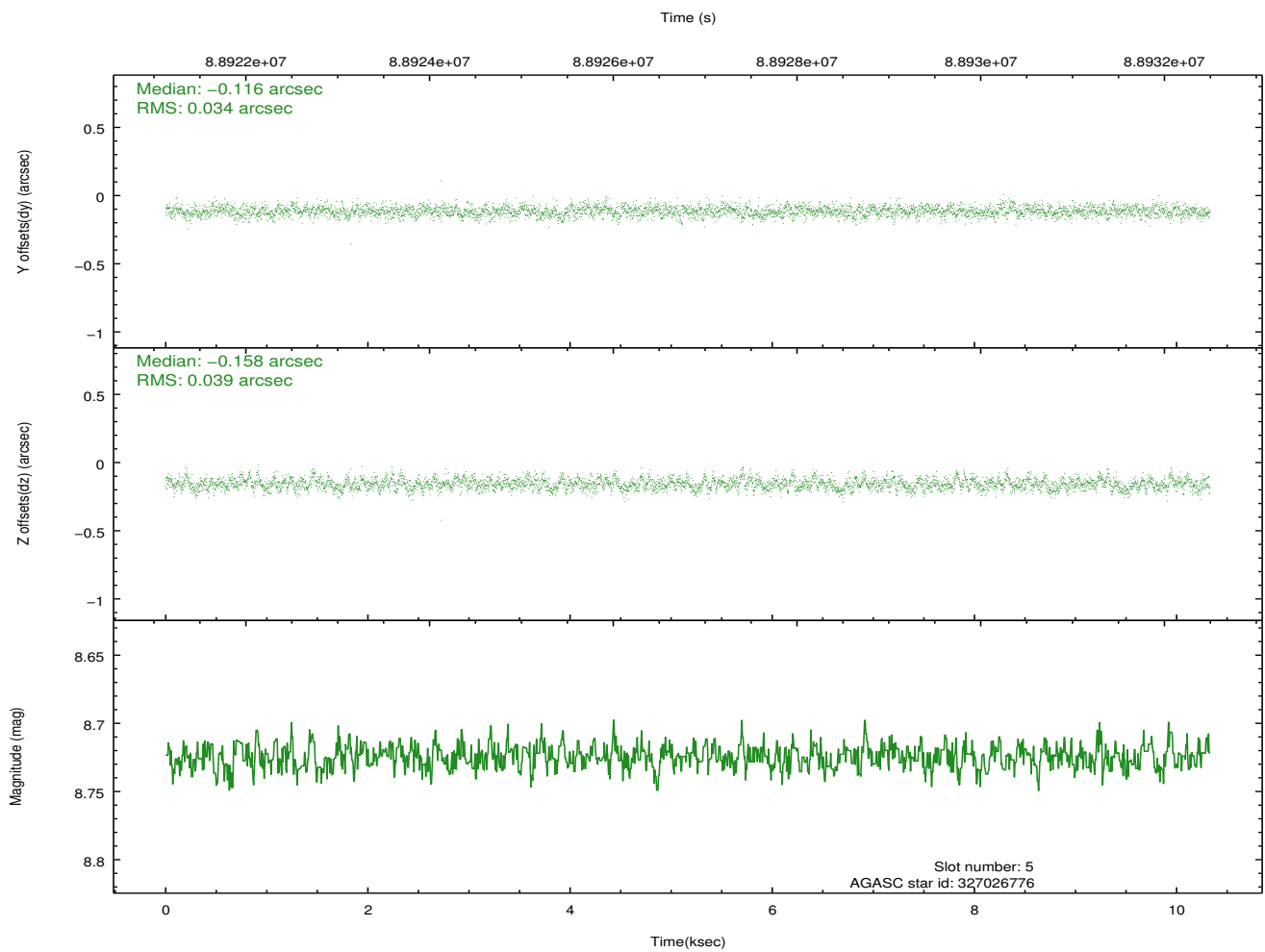
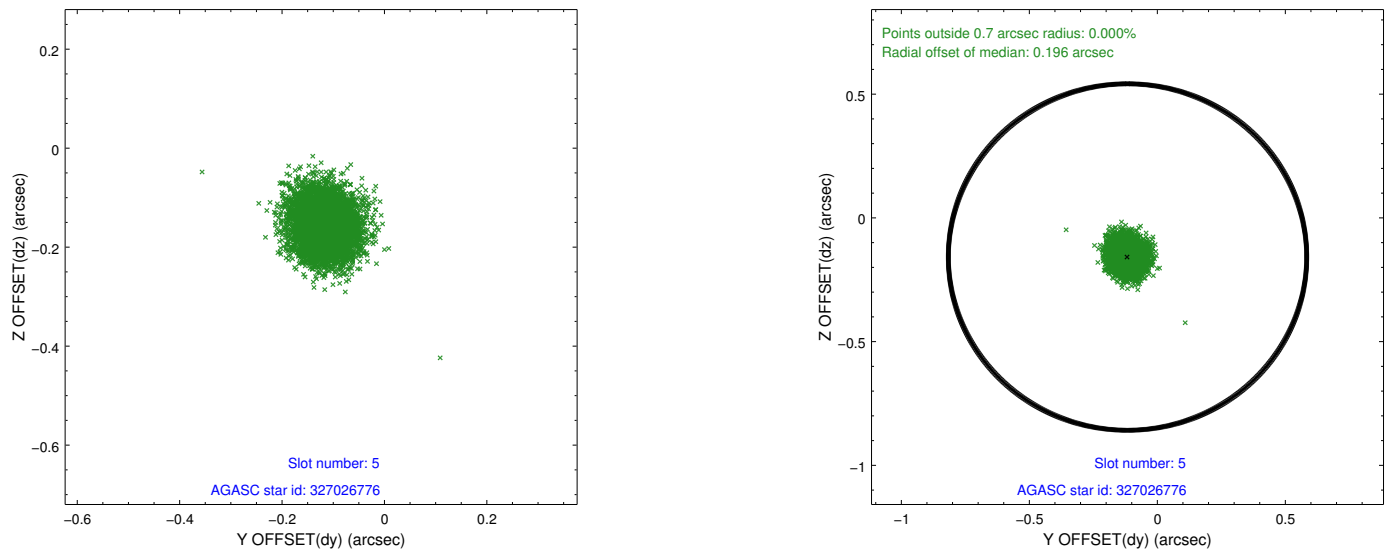
2.4.1 Slot 3



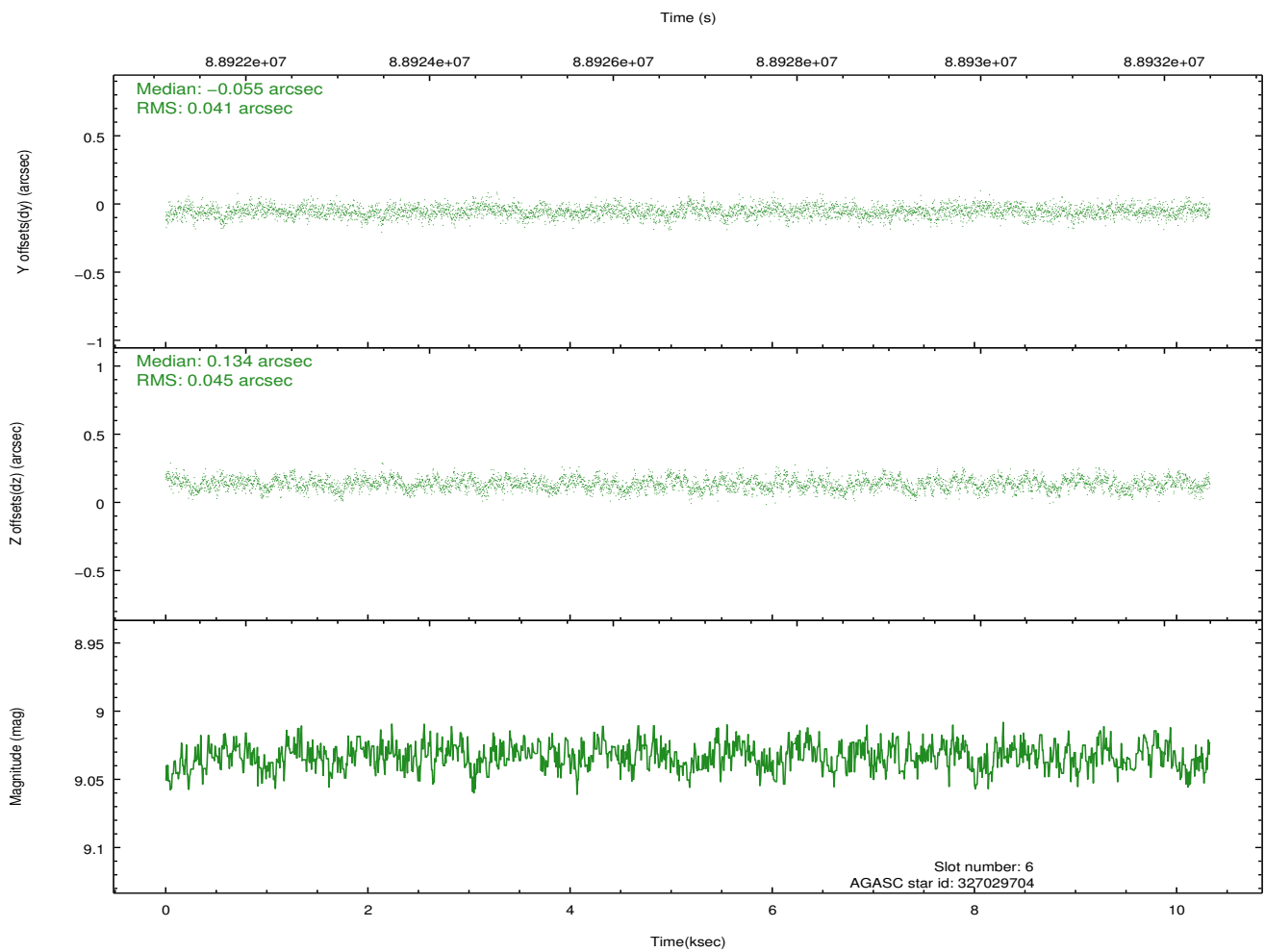
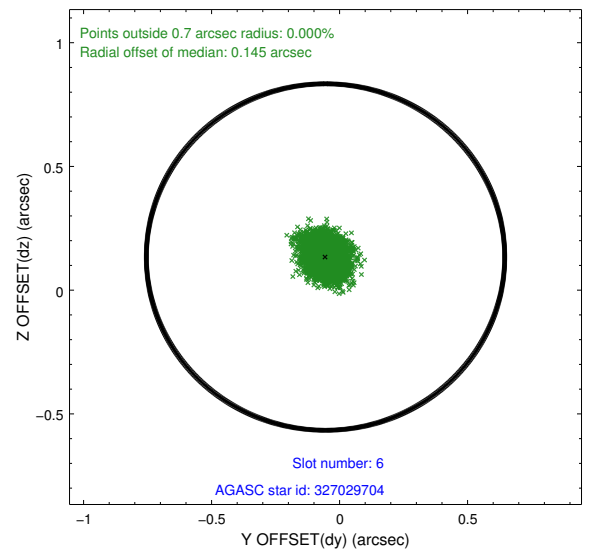
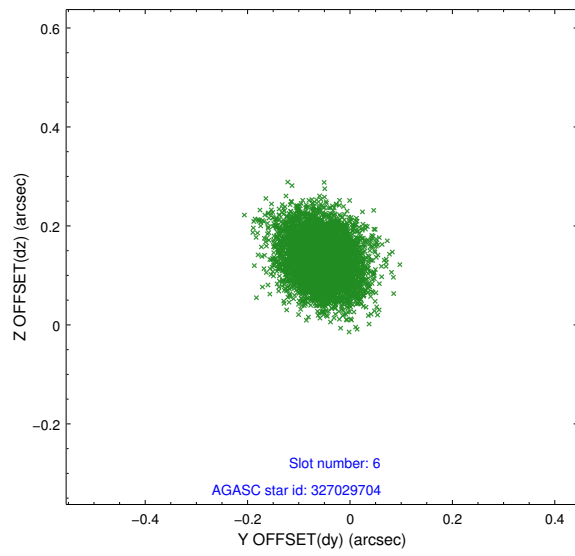
2.4.2 Slot 4



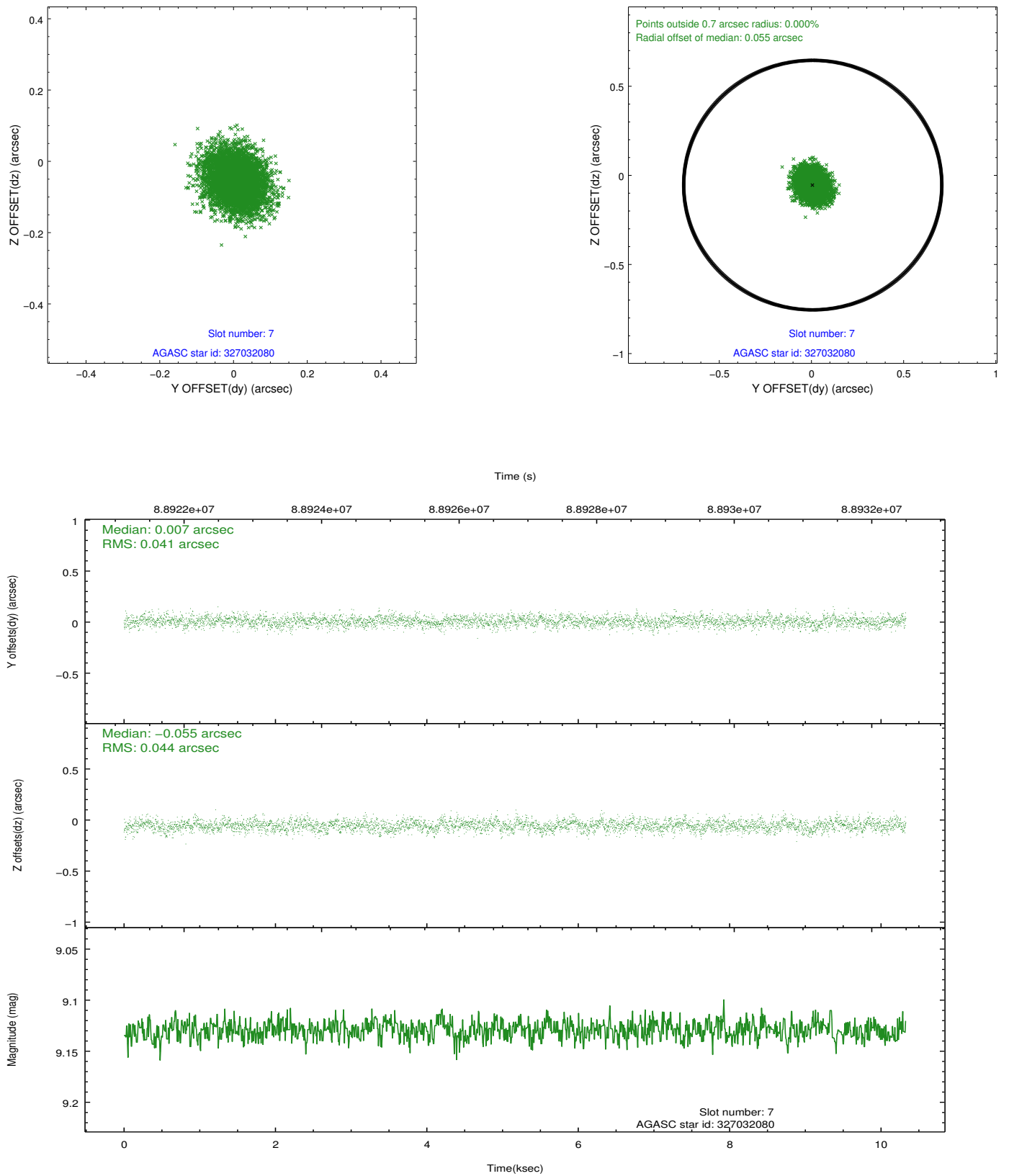
2.4.3 Slot 5



2.4.4 Slot 6

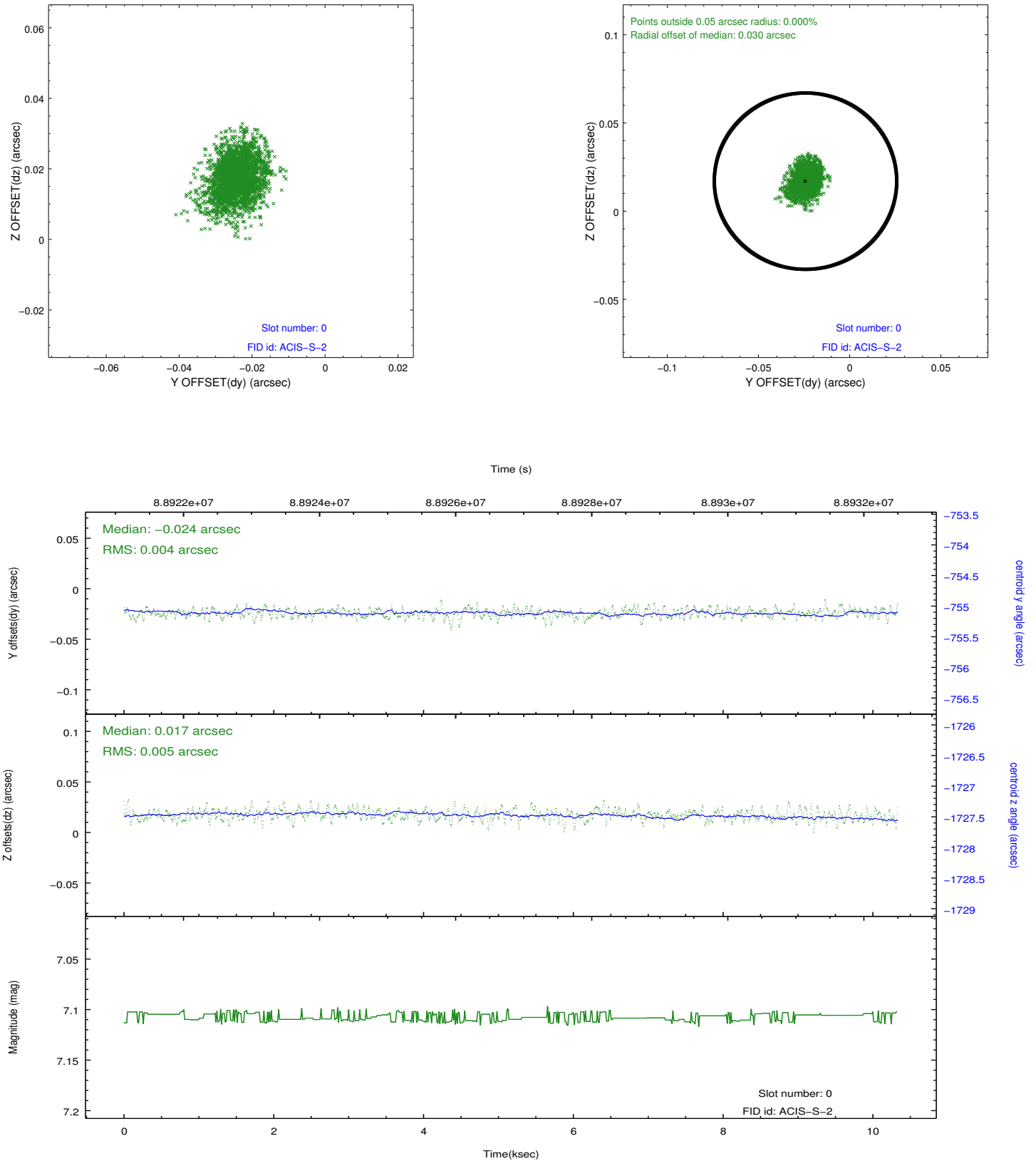


2.4.5 Slot 7

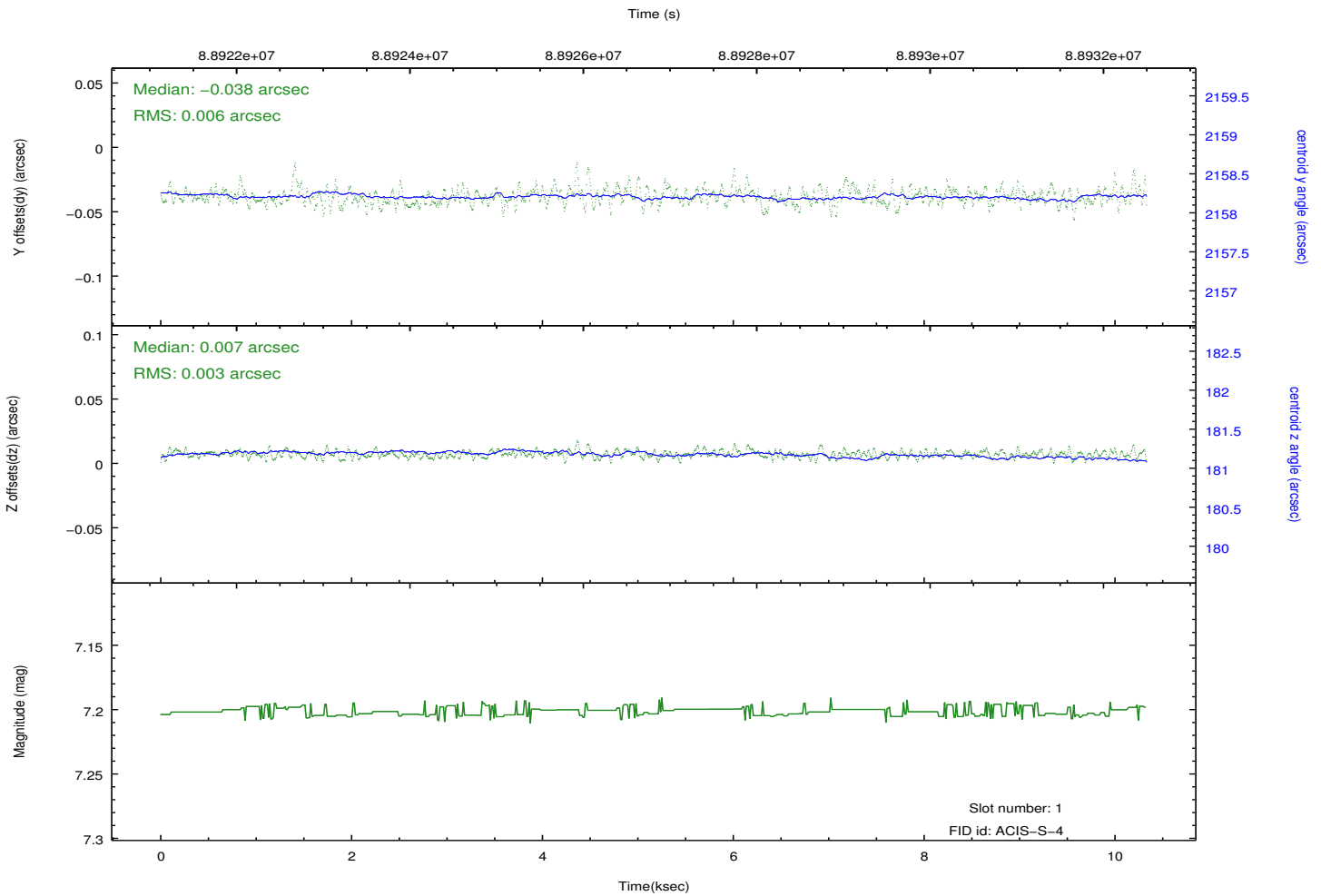
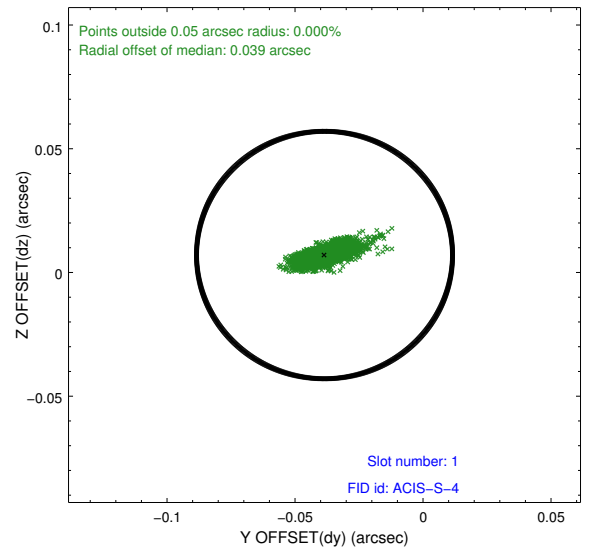
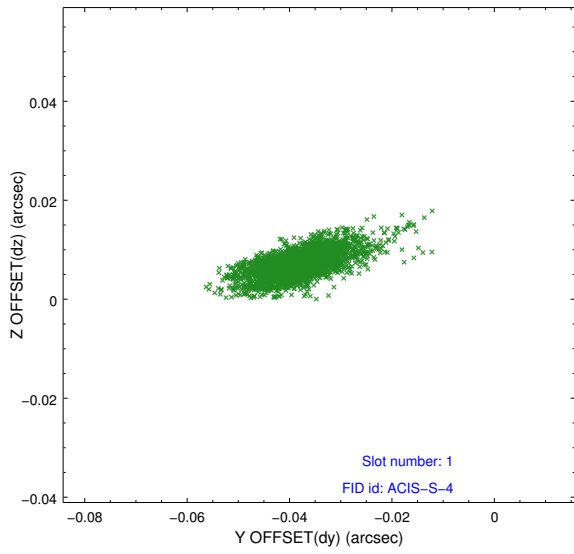


2.5 FID Slots

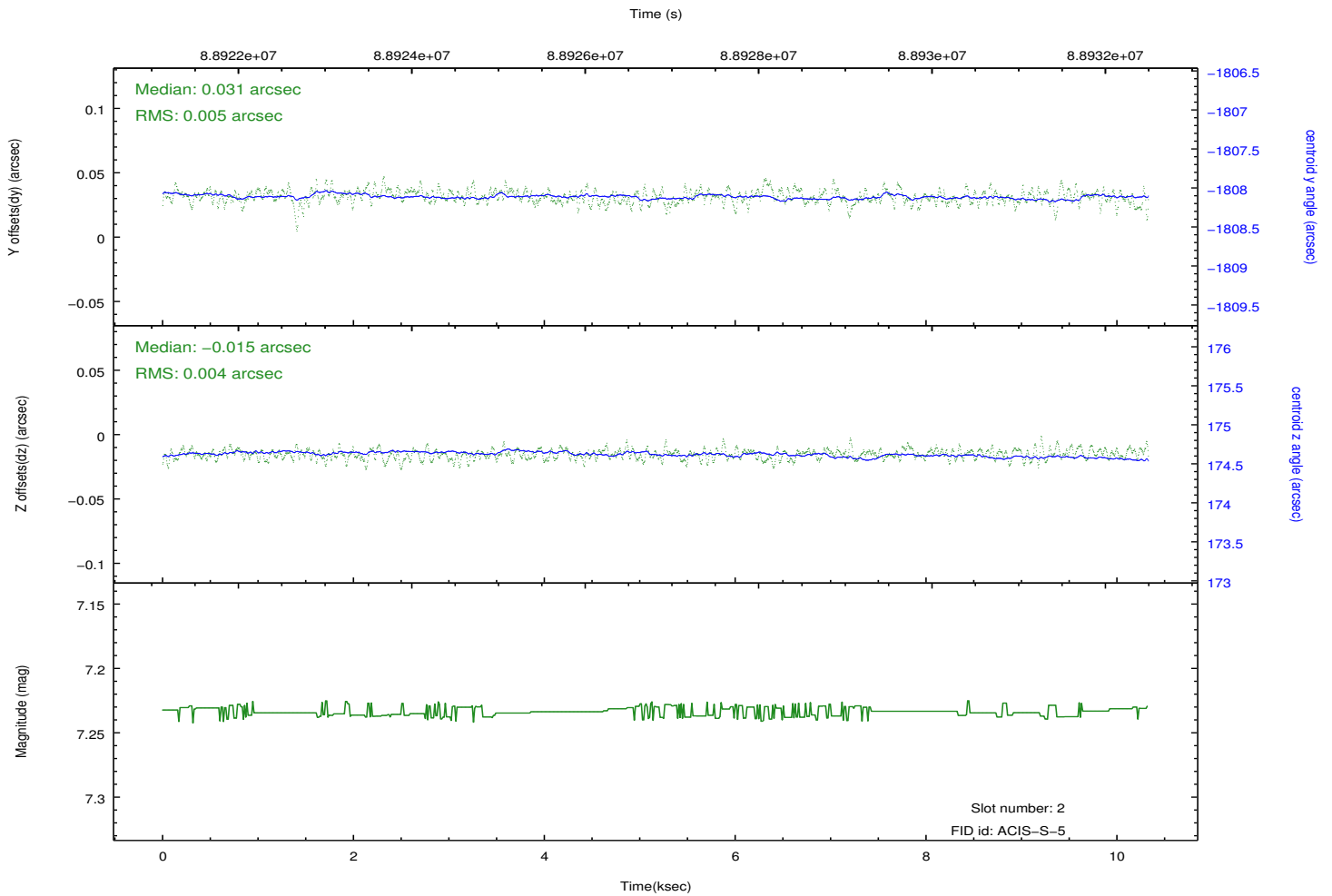
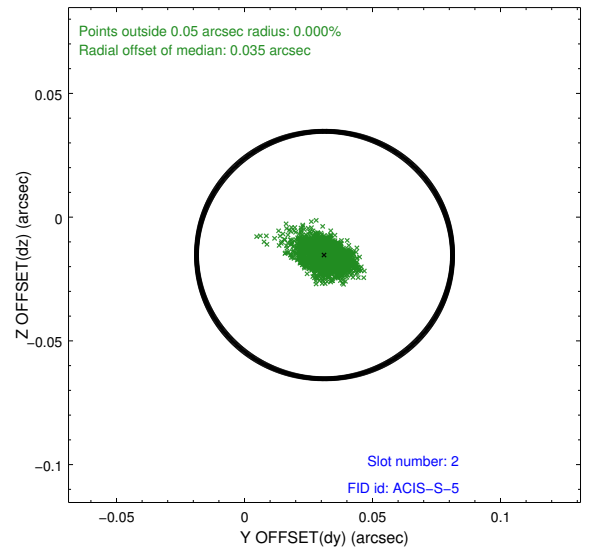
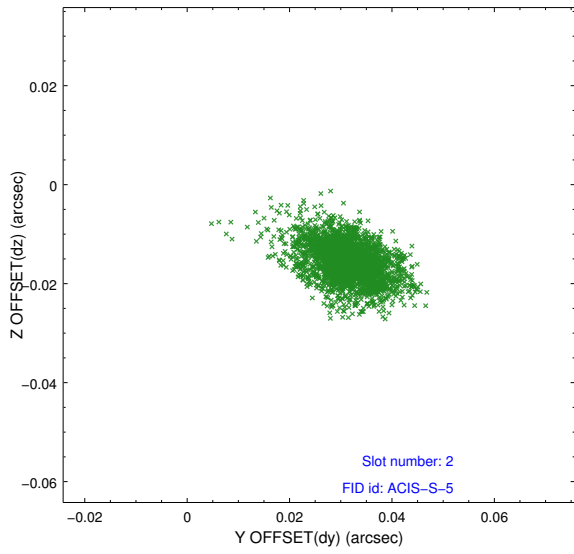
2.5.1 Slot 0



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)	2013.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.907

A.2 Comments