

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6811 - L2 Version 2
Chandra X-Ray Center

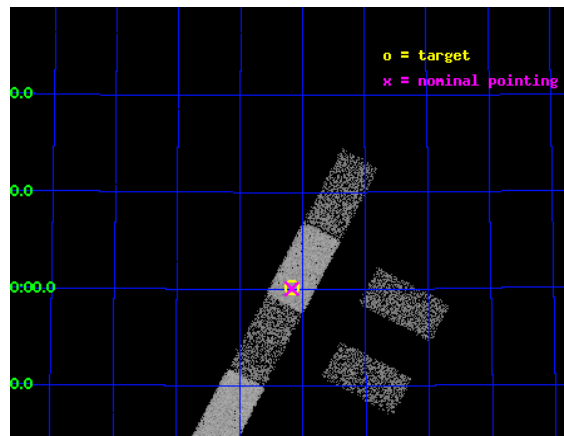
L2 Processing Date : Apr 5 2012

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1 Front

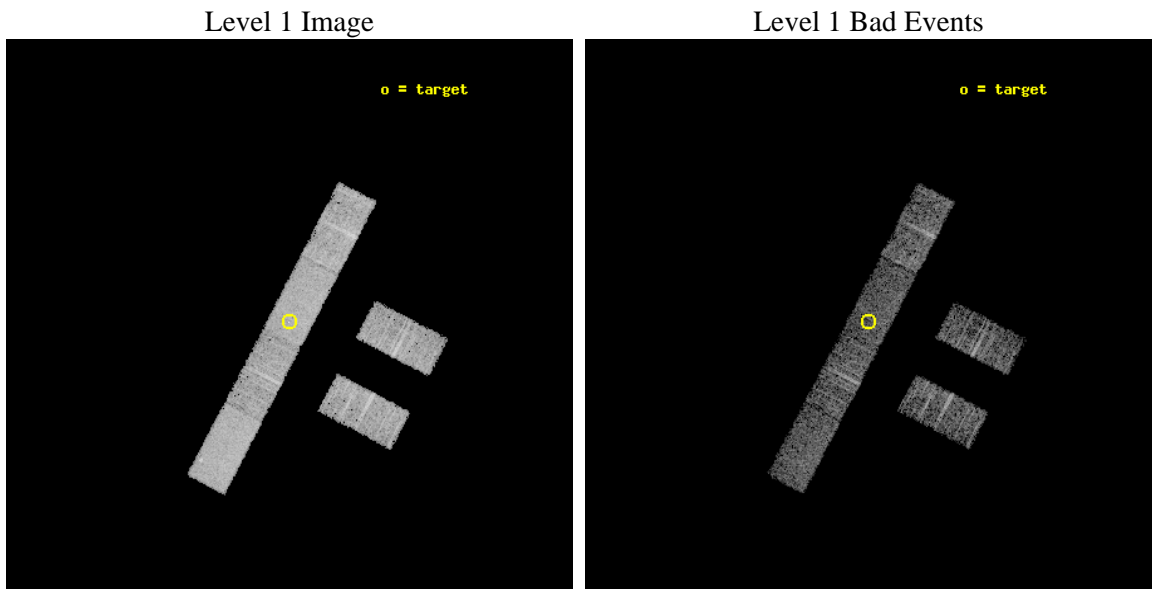
seq_num	701229	Sequence number
obs_id	6811	Observation id
title	Chandra ACIS Snapshot Observations of the Most Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1106+6400	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.544583	Observer's specified target RA [deg]
dec_targ	64.002667	Observer's specified target Dec [deg]
ra_nom	166.542432126	Nominal RA [deg]
dec_nom	64.000845501405	Nominal Dec [deg]
roll_nom	297.67944614502	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3729.6000246406	Sum of GTIs [s]
livetime	3646.4607202196	Livetime [s]
ontime2	3729.6000246406	Sum of GTIs [s]
ontime3	3729.6000246406	Sum of GTIs [s]
ontime5	3729.6000246406	Sum of GTIs [s]
ontime6	3729.6000246406	Sum of GTIs [s]
ontime7	3729.6000246406	Sum of GTIs [s]
ontime8	3729.6000246406	Sum of GTIs [s]
l2events	28278	Number of level 2 events



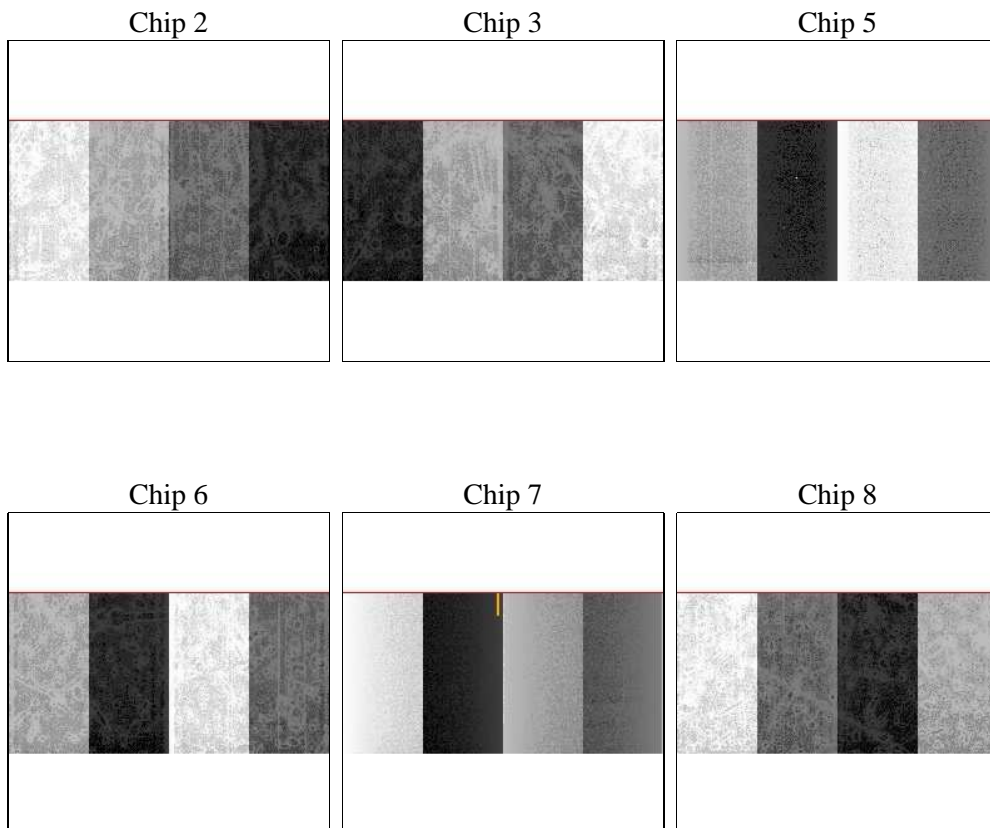
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3970.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	3729.6000246406	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3729.6000246406	Sum of GTIs [s]
date	2012-04-05T11:09:53	Date and time of file creation	ontime3	3729.6000246406	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3729.6000246406	Sum of GTIs [s]
			ontime6	3729.6000246406	Sum of GTIs [s]
			ontime7	3729.6000246406	Sum of GTIs [s]
			ontime8	3729.6000246406	Sum of GTIs [s]
			l1events	124254	Number of level 1 events

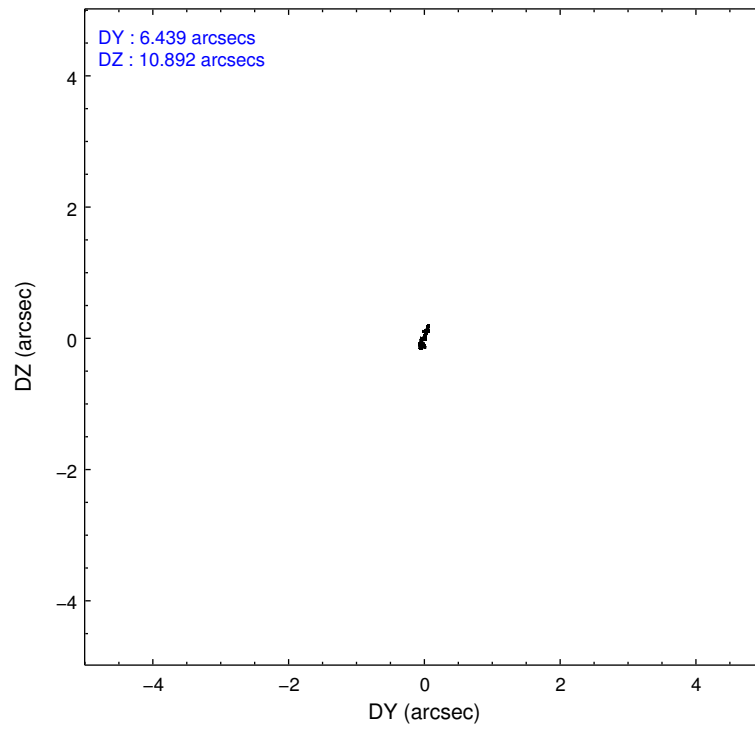
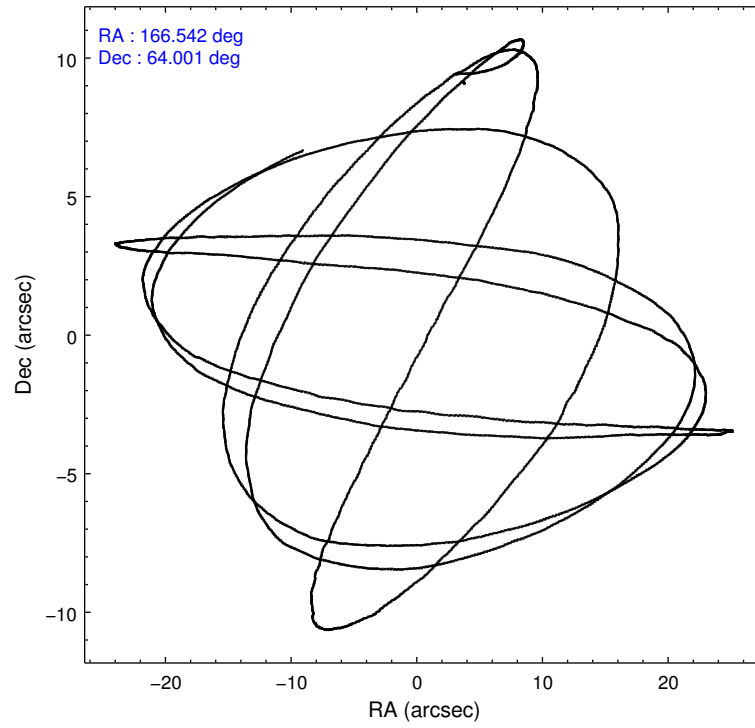
2.1.4 Events

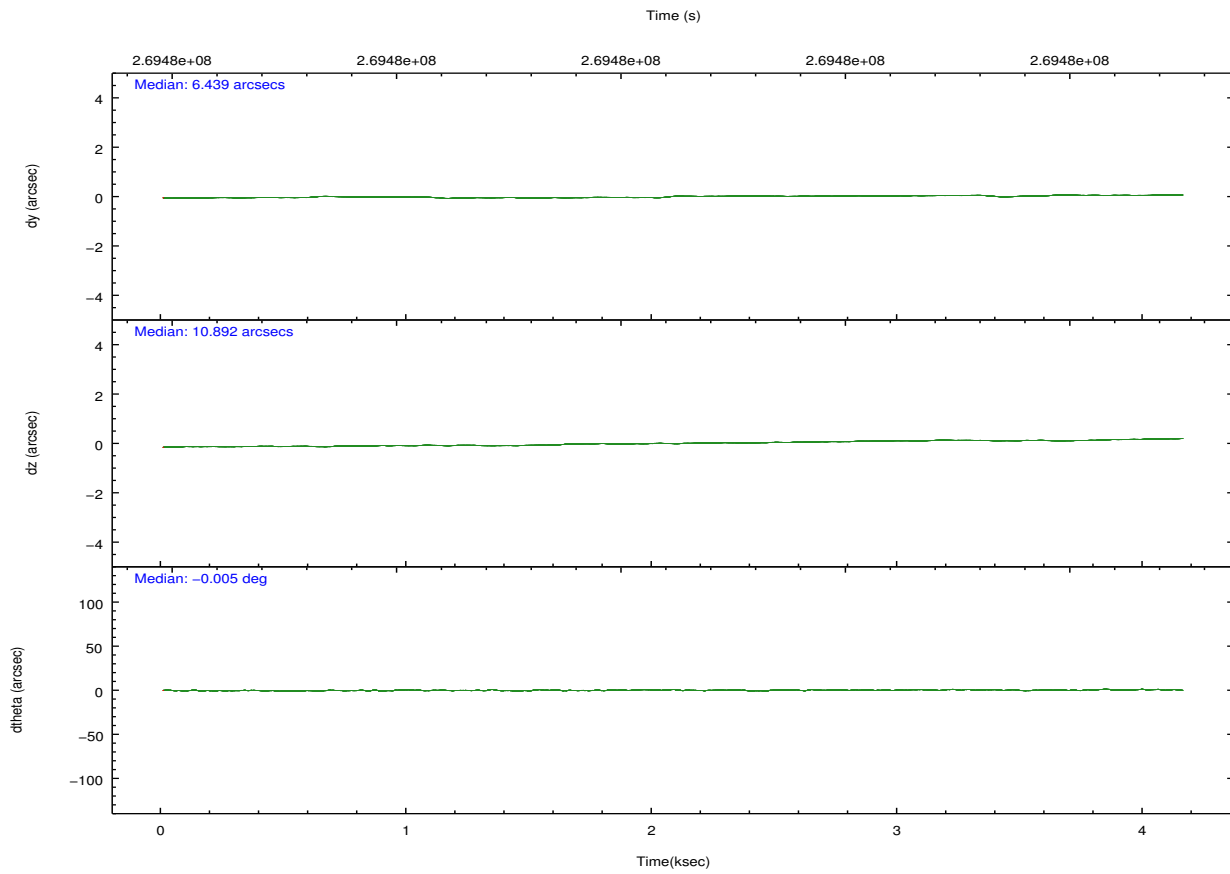
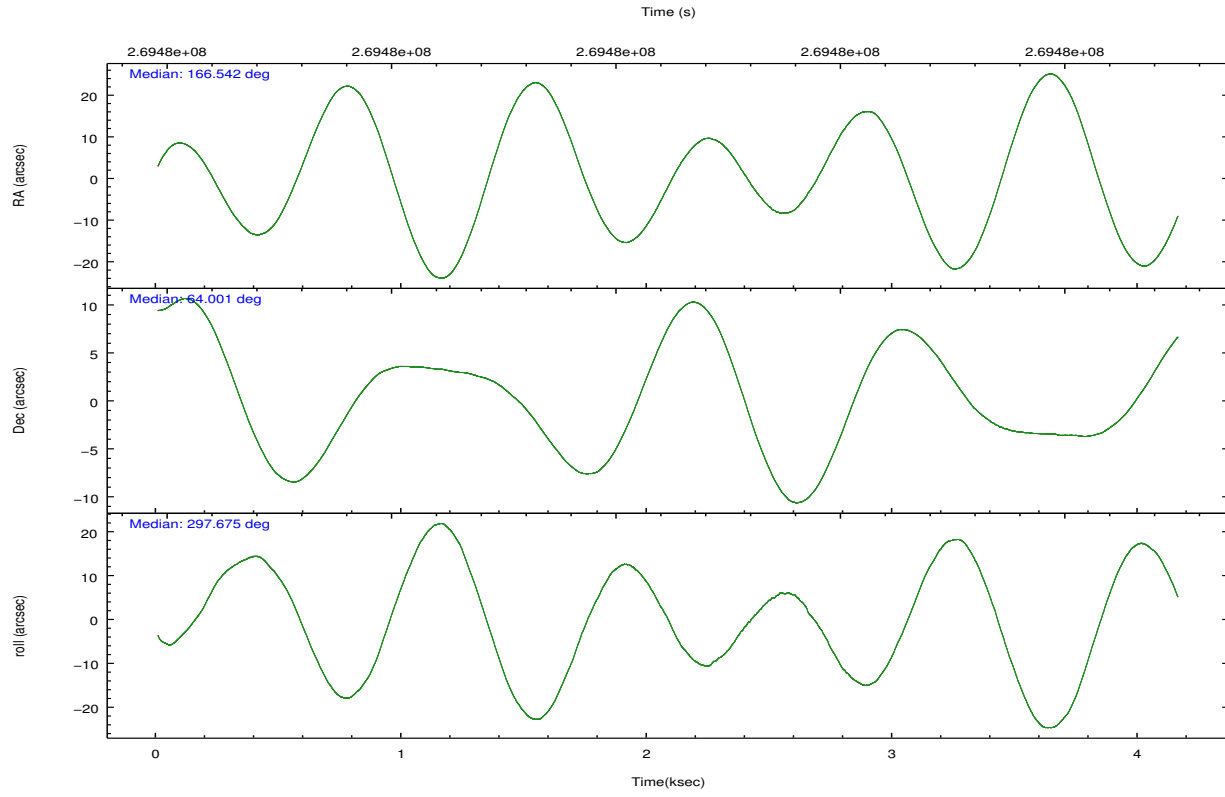
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18793	17063	25063	17595	23085	22655	grade 0 events	909	894	846	823	976	1508
rejected events	16735	14940	13600	15457	13101	17705		4%	5%	3%	4%	4%	6%
rejected %	89%	87%	54%	87%	56%	78%	grade 1 events	13	8	42	7	25	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	410	410	3564	384	2011	1102
								2%	2%	14%	2%	8%	4%
							grade 3 events	226	221	522	257	955	526
								1%	1%	2%	1%	4%	2%
							grade 4 events	225	245	531	252	968	493
								1%	1%	2%	1%	4%	2%
							grade 5 events	609	742	1957	773	2144	997
								3%	4%	7%	4%	9%	4%
							grade 6 events	290	356	6016	422	5084	1333
								1%	2%	24%	2%	22%	5%
							grade 7 events	16111	14187	11585	14677	10922	16680
								85%	83%	46%	83%	47%	73%

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	166.489540	166.5424321259997	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	64.015026	64.00084550140485	Subarray start row	257	257
[deg] Pointing Roll	297.570377	297.6794461450241	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	269481348.184000	269480537.04626			
Observation start date	2006-07-16T23:54:43	2006-07-16T23:42:17			
[s] Observation end time (MET)	269485318.184000	269486017.72152			
Observation end date	2006-07-17T01:00:53	2006-07-17T01:13:37			
Read mode	TIMED	TIMED			

2.3 Aspect



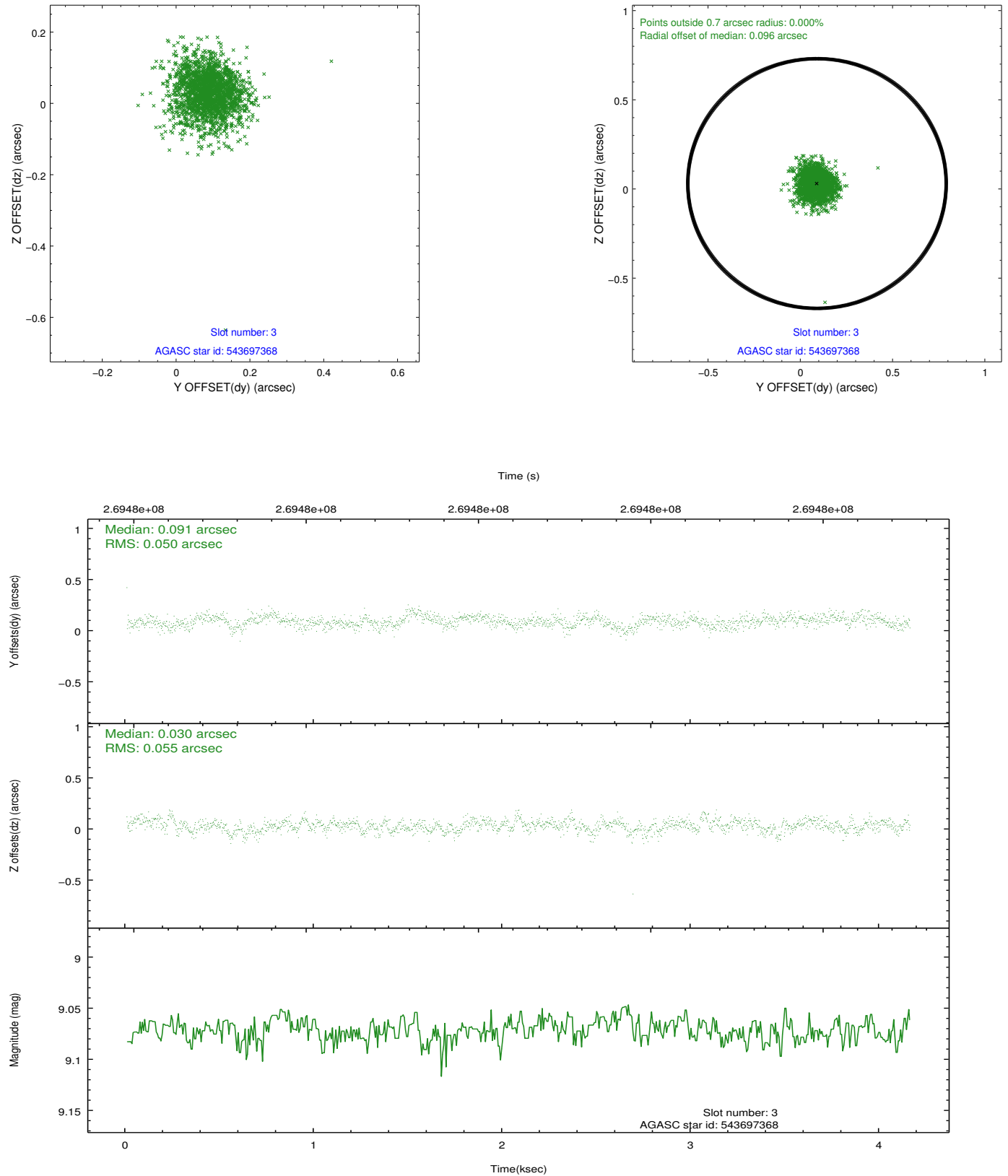


Slot Statistics

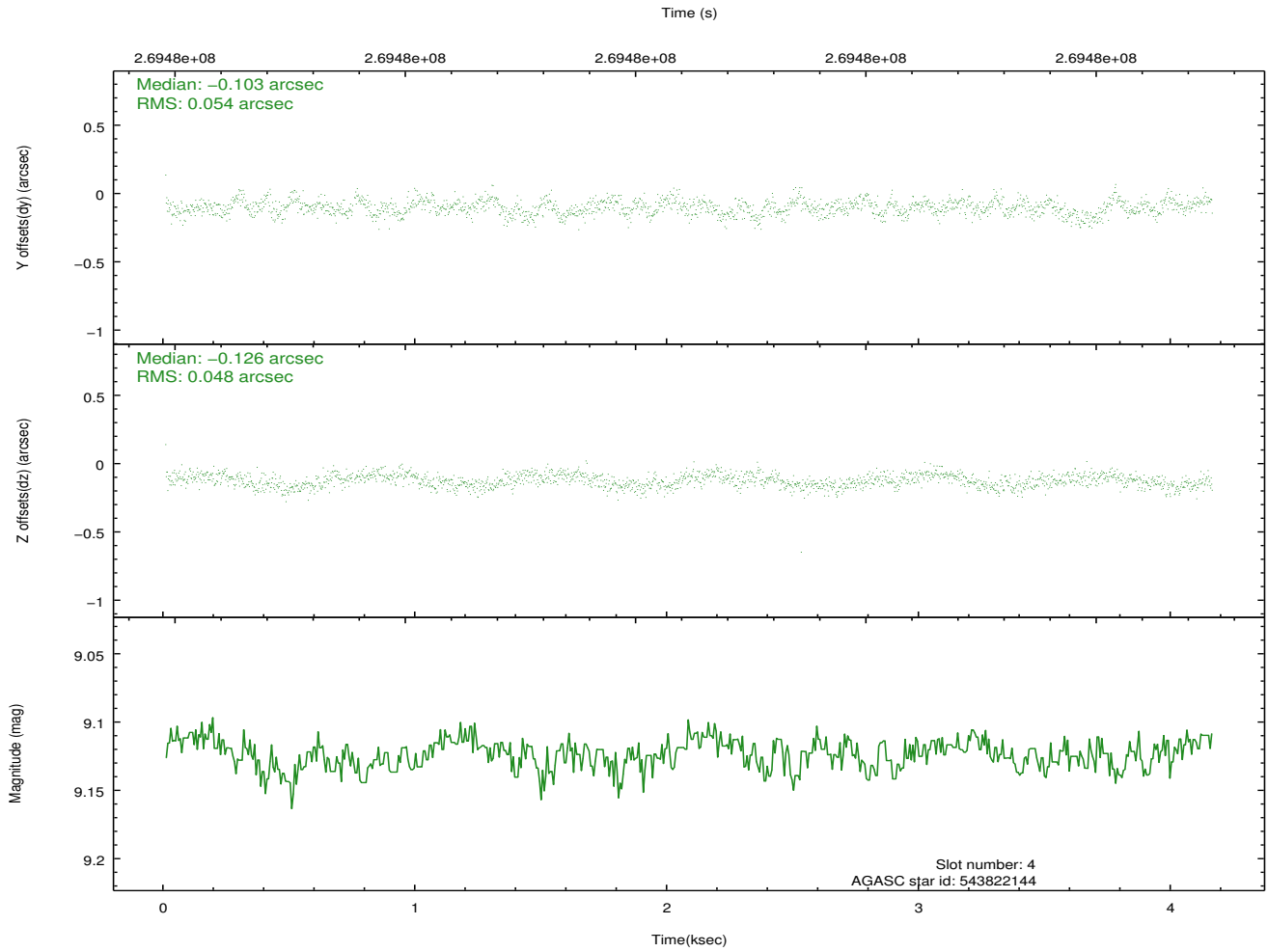
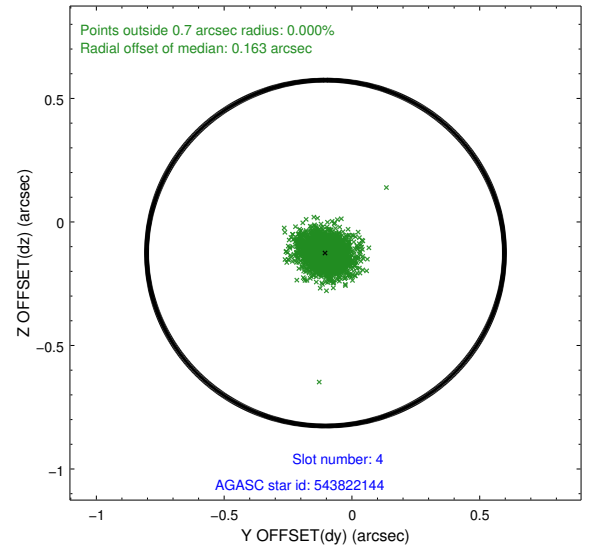
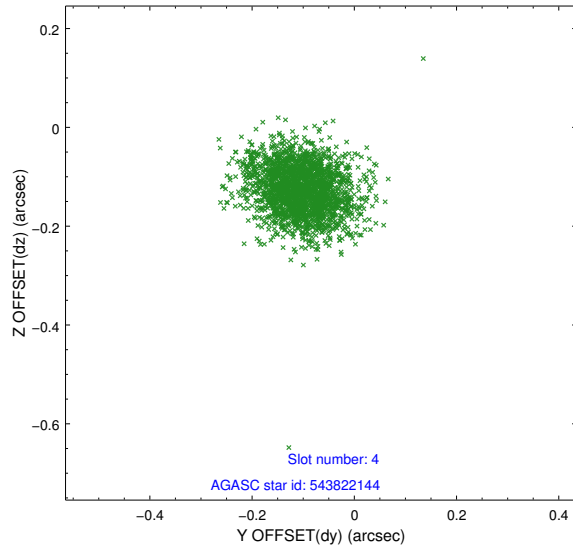
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1014	-0.001	-0.081	0.009	0.015	0.000000	0.000000	936.86	-1727.88
1	FID	ACIS-S-4	7.21	1014	0.082	0.061	0.007	0.011	0.000000	0.000000	2155.18	174.88
2	FID	ACIS-S-5	7.24	1014	-0.108	0.033	0.007	0.012	0.000000	0.000000	-1810.20	170.14
3	GUIDE	543697368	9.07	2024	0.091	0.030	0.076	0.128	165.687544	64.185894	-1133.19	-825.93
4	GUIDE	543822144	9.12	2025	-0.103	-0.126	0.074	0.126	167.609741	63.661358	1942.87	1003.85
5	GUIDE	543827104	8.98	2028	0.106	0.001	0.109	0.175	166.445070	63.289133	2285.15	-1272.40
6	GUIDE	543828848	9.21	2027	-0.004	0.033	0.074	0.119	165.985688	63.720451	567.54	-1201.77
7	GUIDE	543822472	7.97	2027	-0.082	0.064	0.065	0.111	165.937391	63.269901	1961.86	-2032.63

2.4 Star Slots

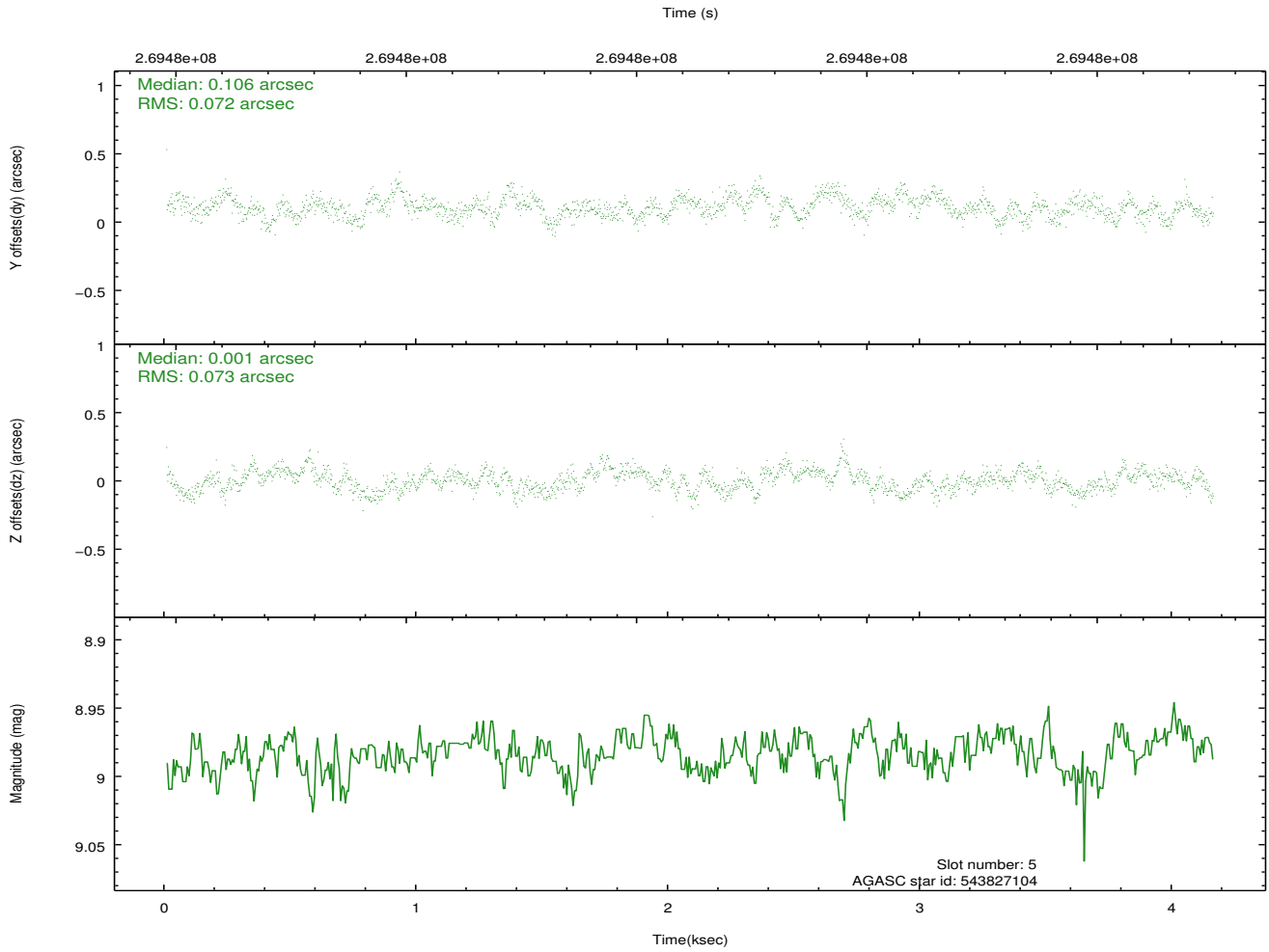
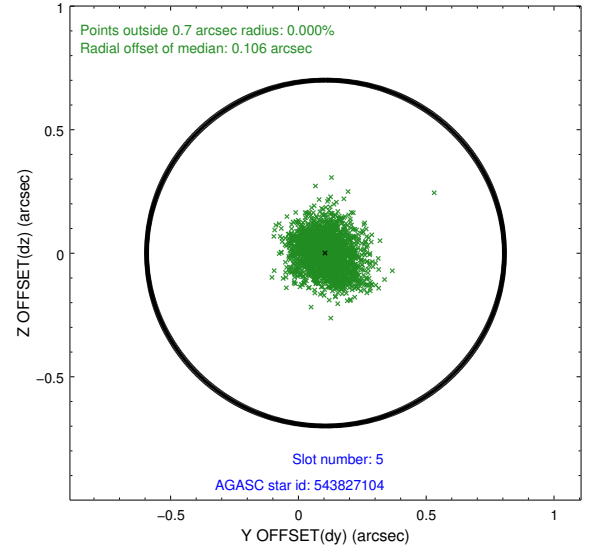
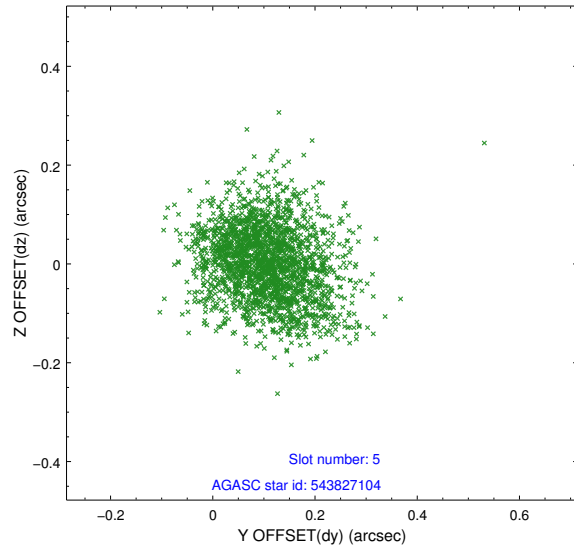
2.4.1 Slot 3



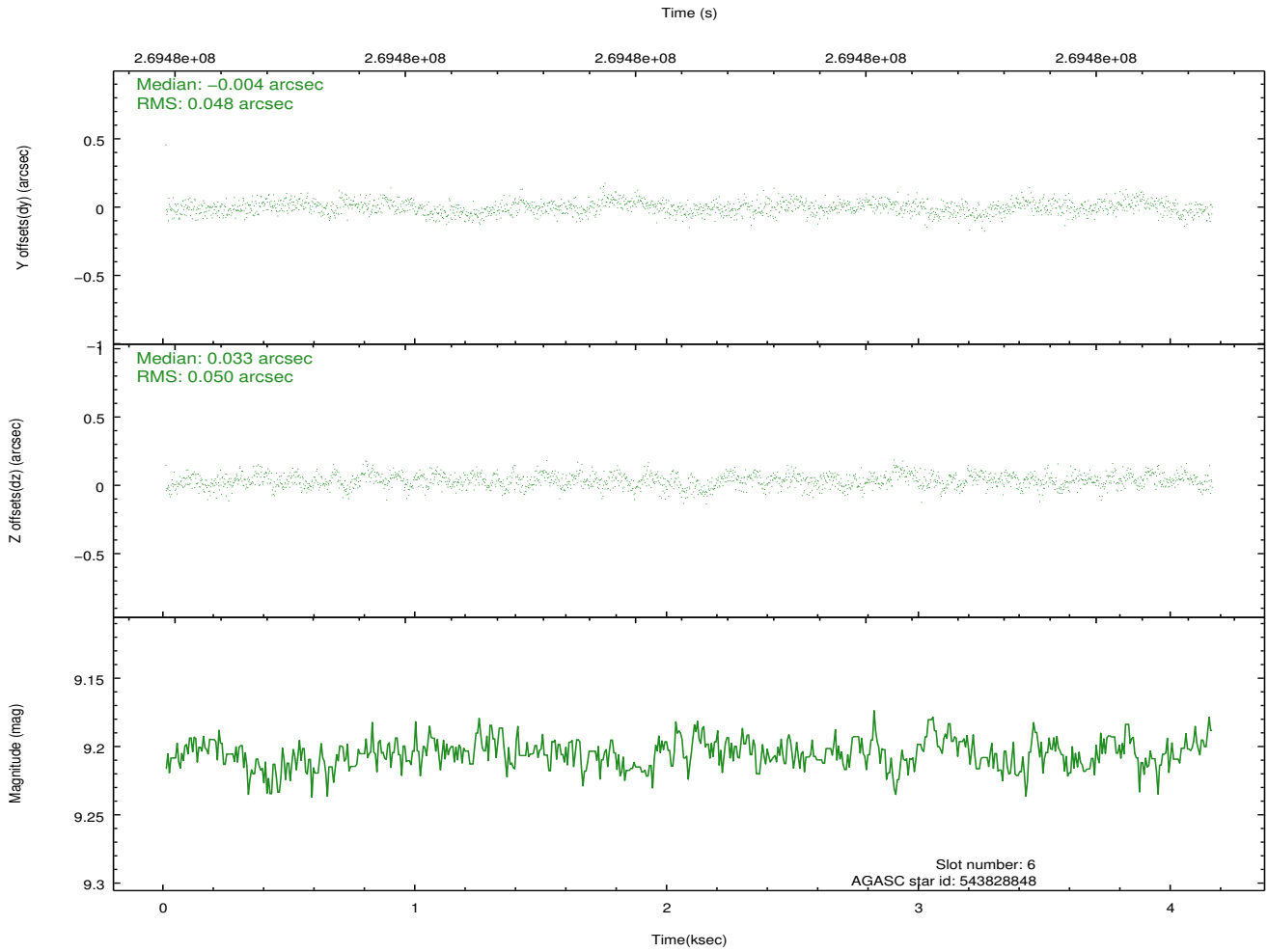
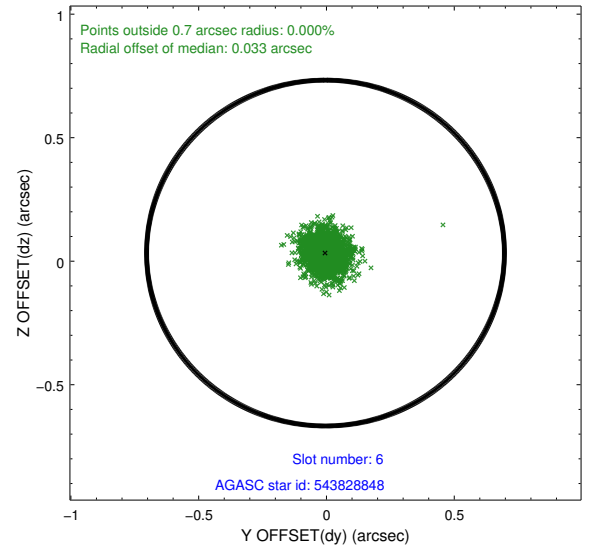
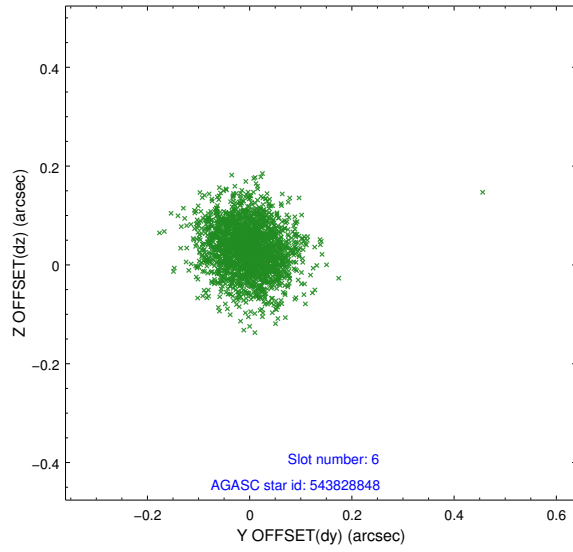
2.4.2 Slot 4



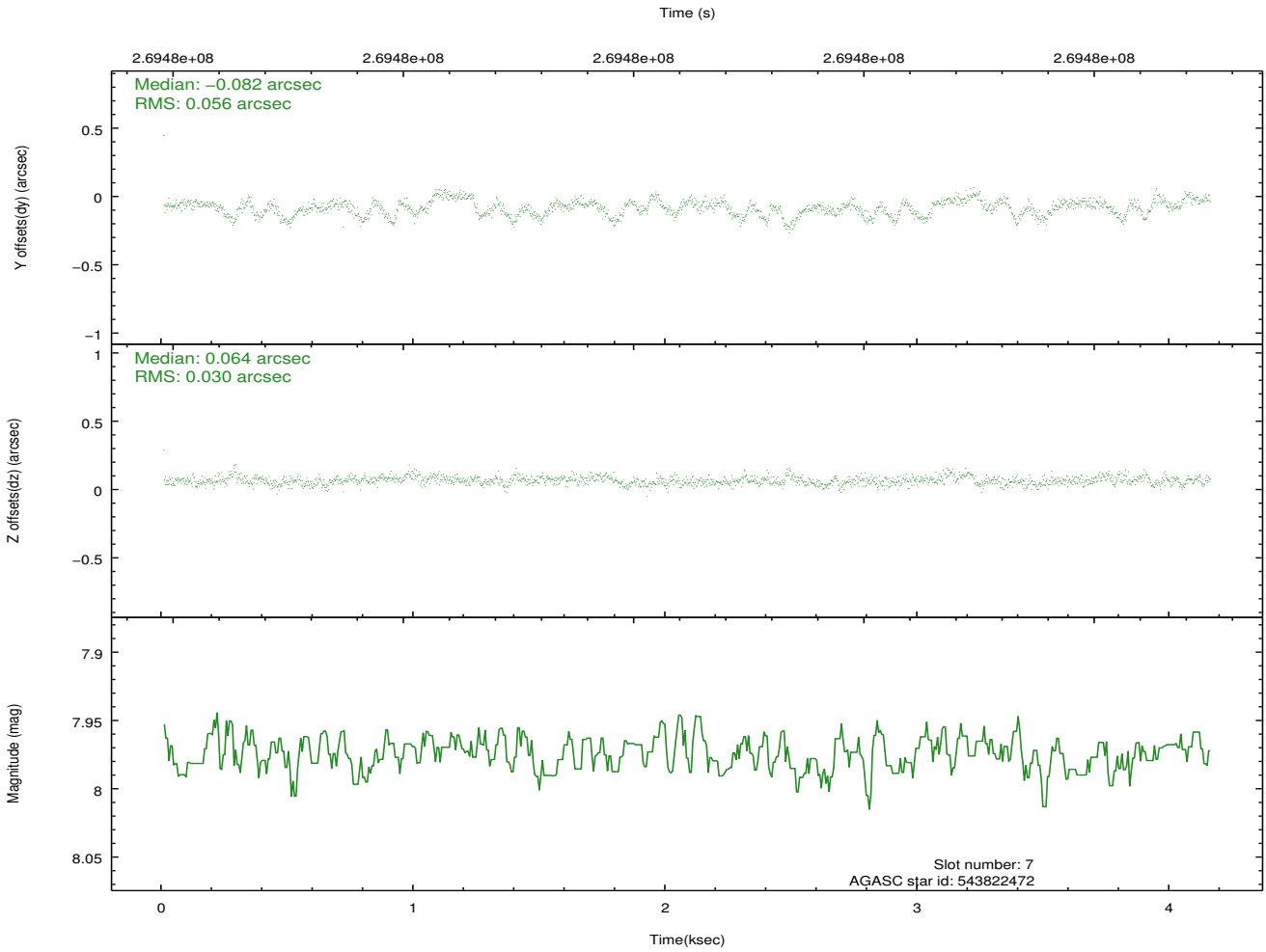
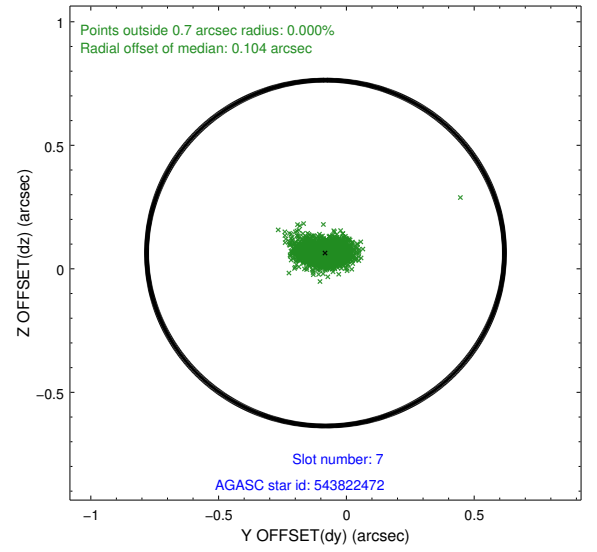
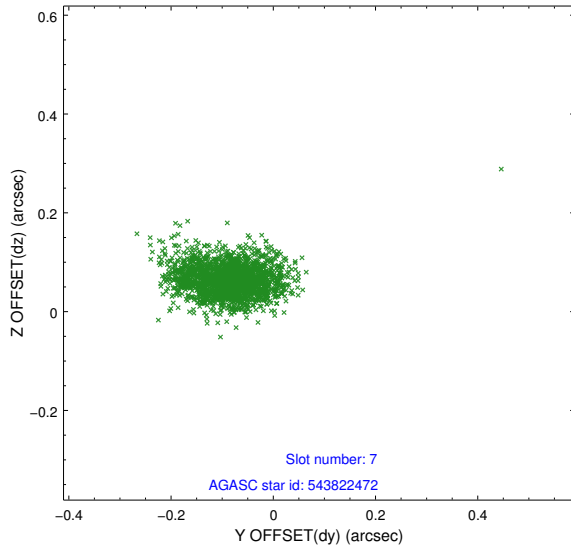
2.4.3 Slot 5



2.4.4 Slot 6

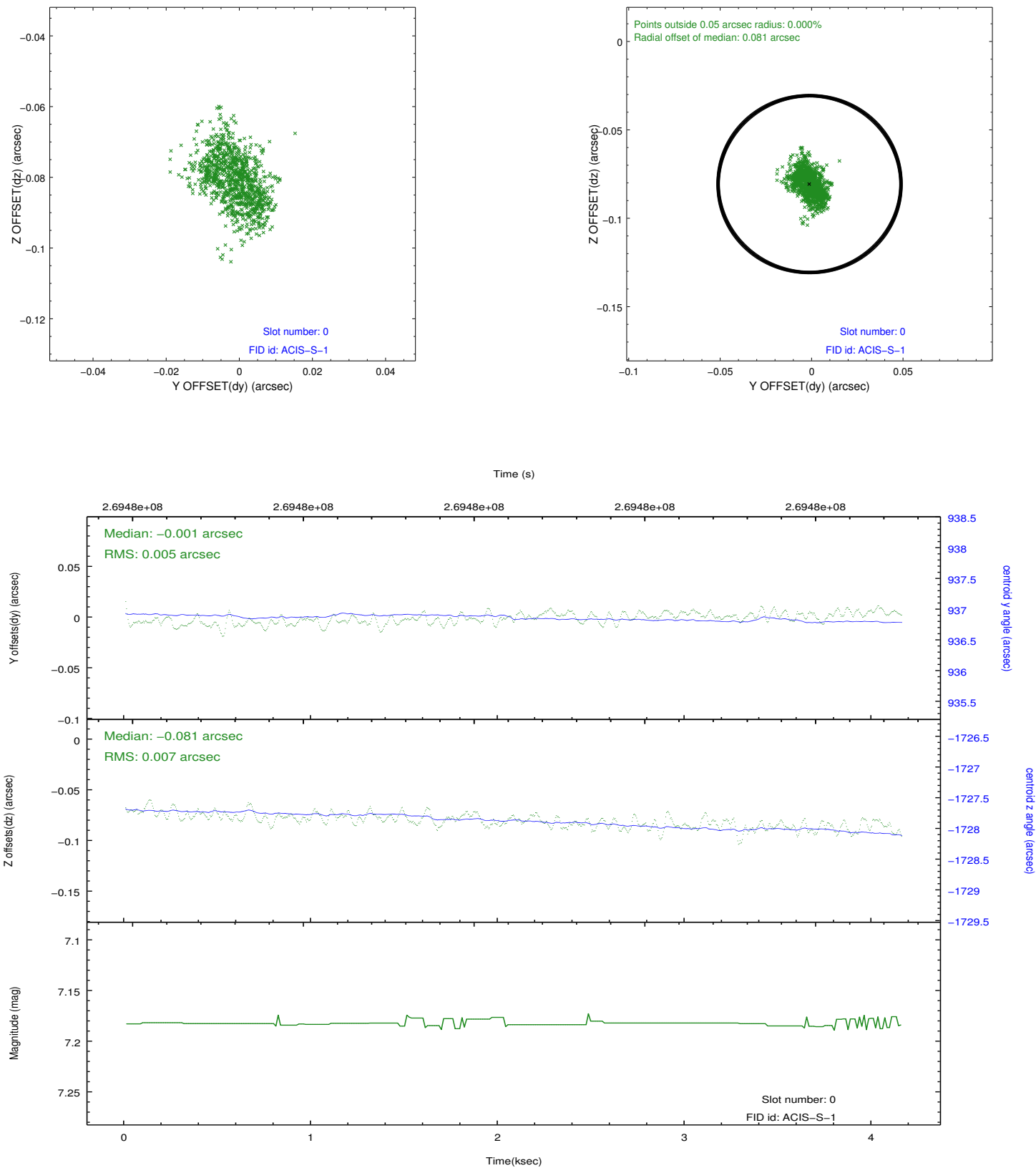


2.4.5 Slot 7

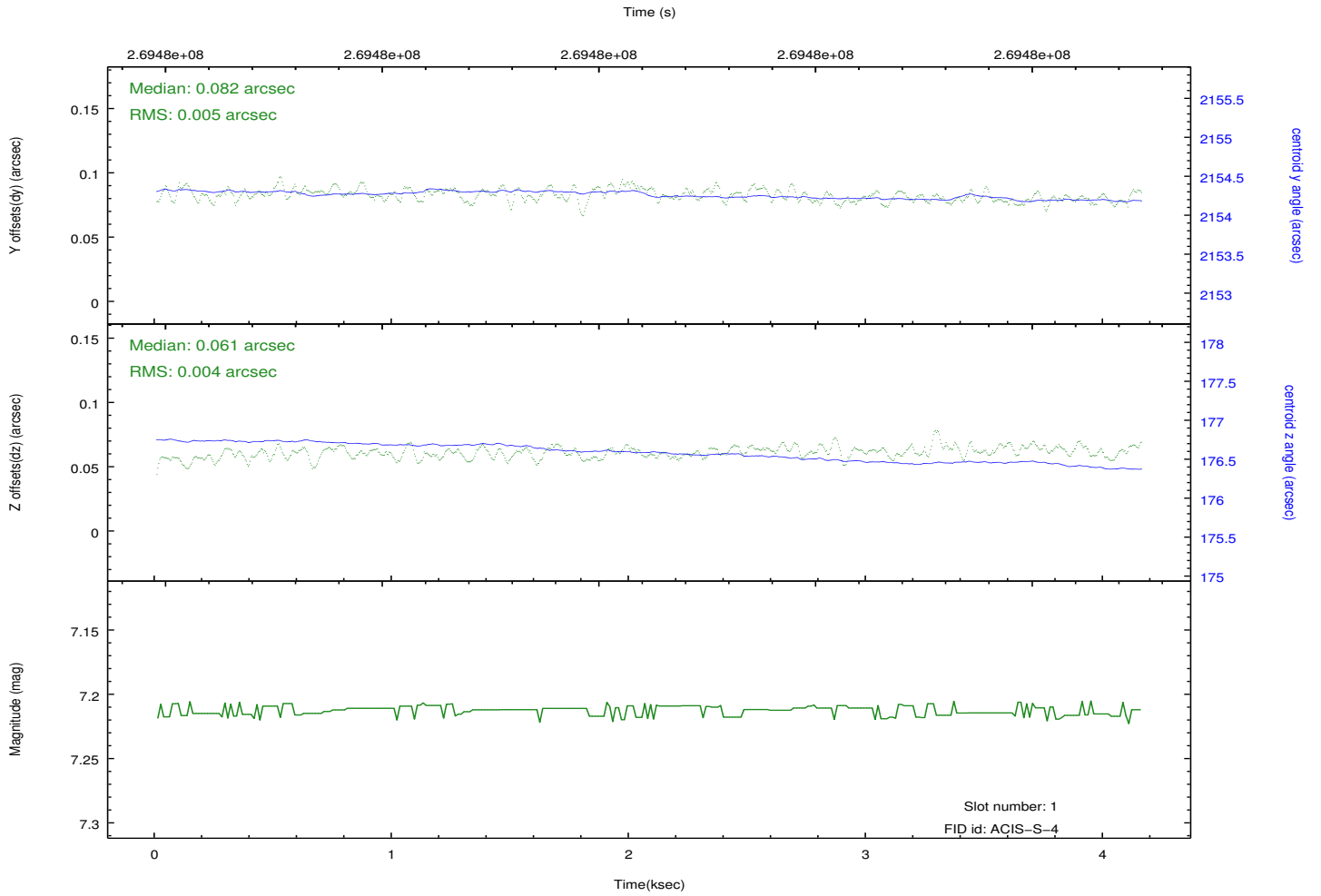
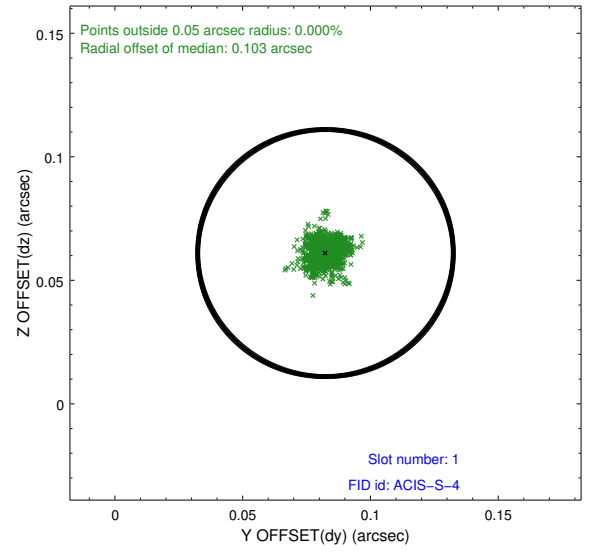
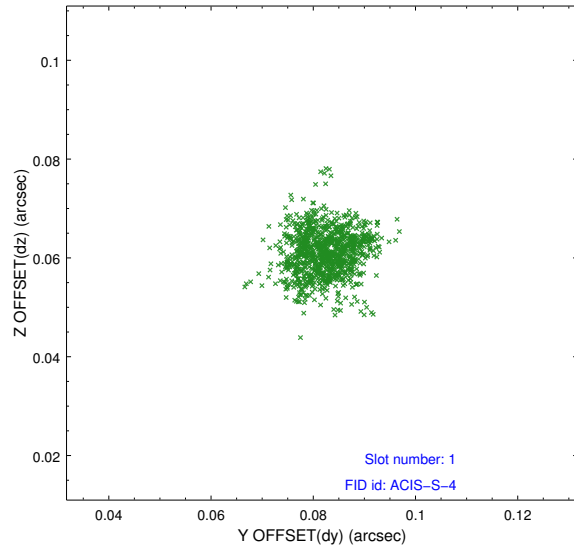


2.5 FID Slots

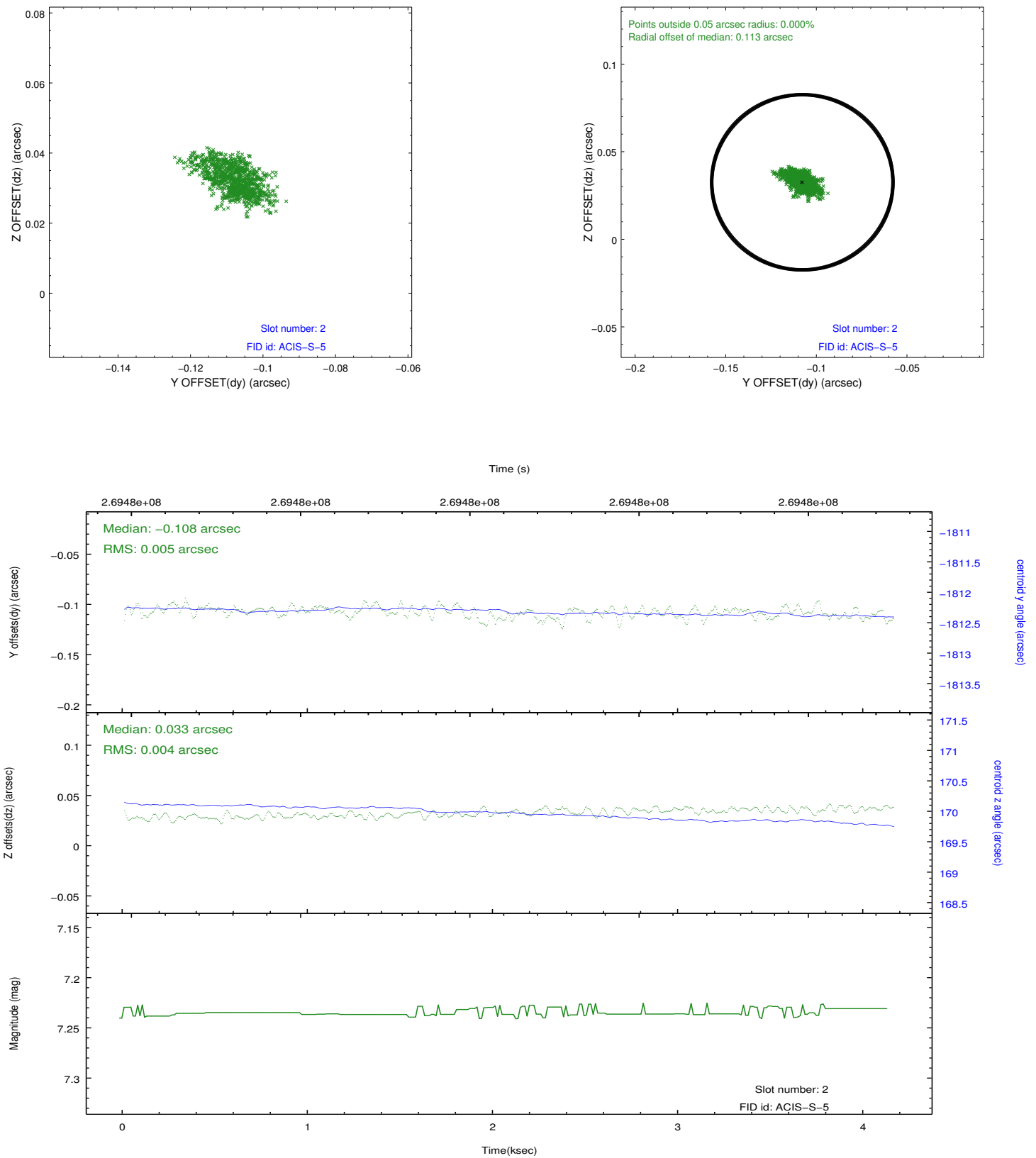
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.72960002

A.2 Comments