

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9197 - L2 Version 3
Chandra X-Ray Center

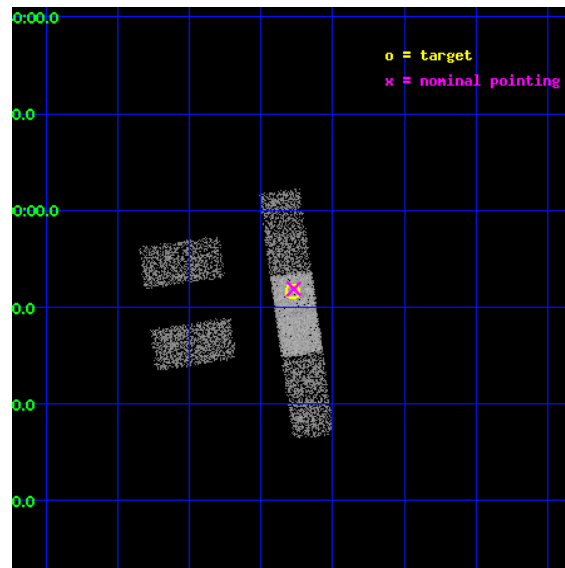
L2 Processing Date : May 10 2012

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1 Front

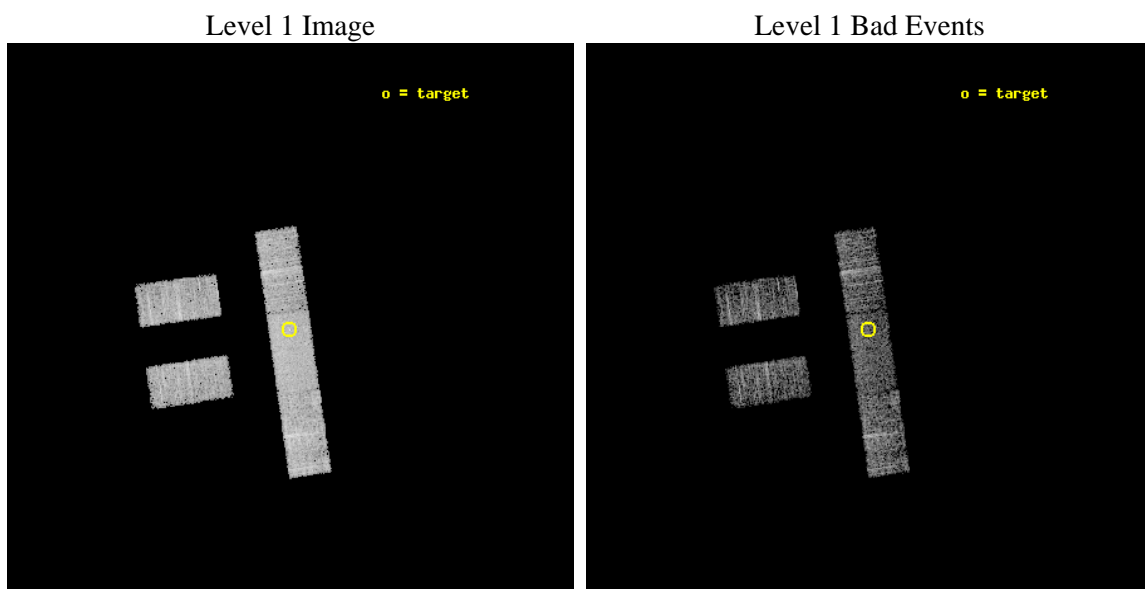
seq_num	701639	Sequence number
obs_id	9197	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S23	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	210.069583	Observer's specified target RA [deg]
dec_targ	-1.139472	Observer's specified target Dec [deg]
ra_nom	210.0676178315	Nominal RA [deg]
dec_nom	-1.1350645320016	Nominal Dec [deg]
roll_nom	81.898263594874	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3059.9999786019	Sum of GTIs [s]
livetime	2987.8692985935	Livetime [s]
ontime2	3059.9999786019	Sum of GTIs [s]
ontime3	3059.9999786019	Sum of GTIs [s]
ontime6	3059.9999786019	Sum of GTIs [s]
ontime7	3059.9999786019	Sum of GTIs [s]
ontime8	3059.9999786019	Sum of GTIs [s]
l2events	15743	Number of level 2 events



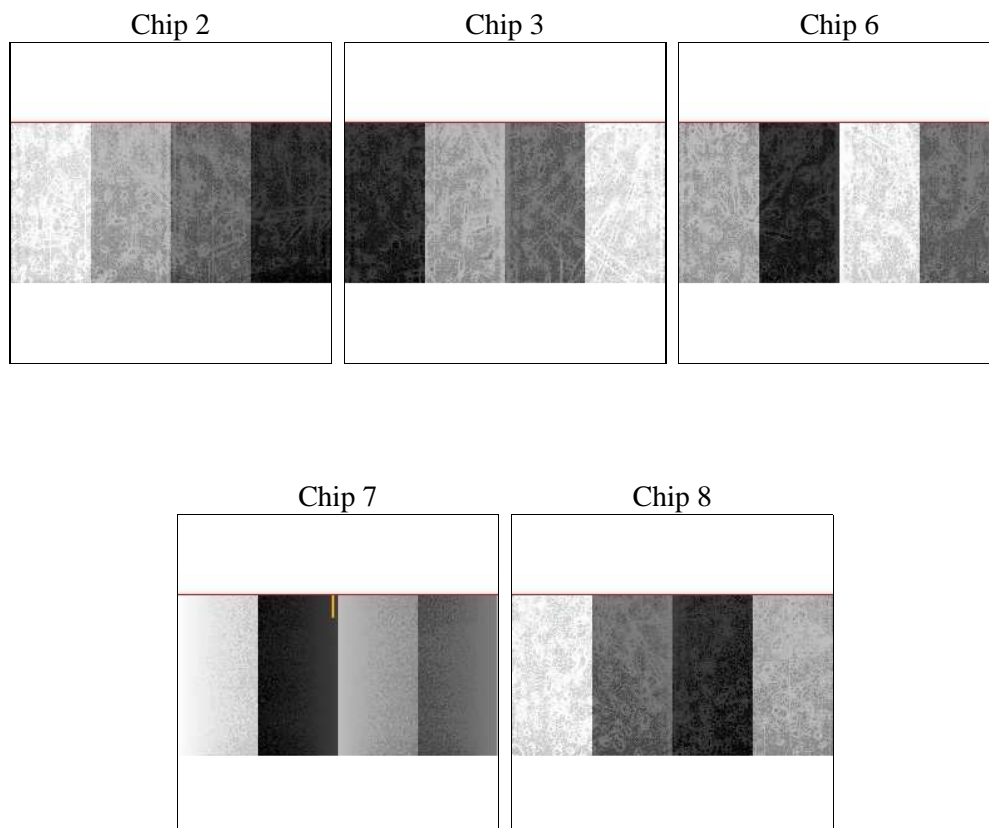
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3059.9999786019	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3059.9999786019	Sum of GTIs [s]
date	2012-05-10T22:57:50	Date and time of file creation	ontime3	3059.9999786019	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3059.9999786019	Sum of GTIs [s]
			ontime7	3059.9999786019	Sum of GTIs [s]
			ontime8	3059.9999786019	Sum of GTIs [s]
			l1events	89923	Number of level 1 events

2.1.4 Events

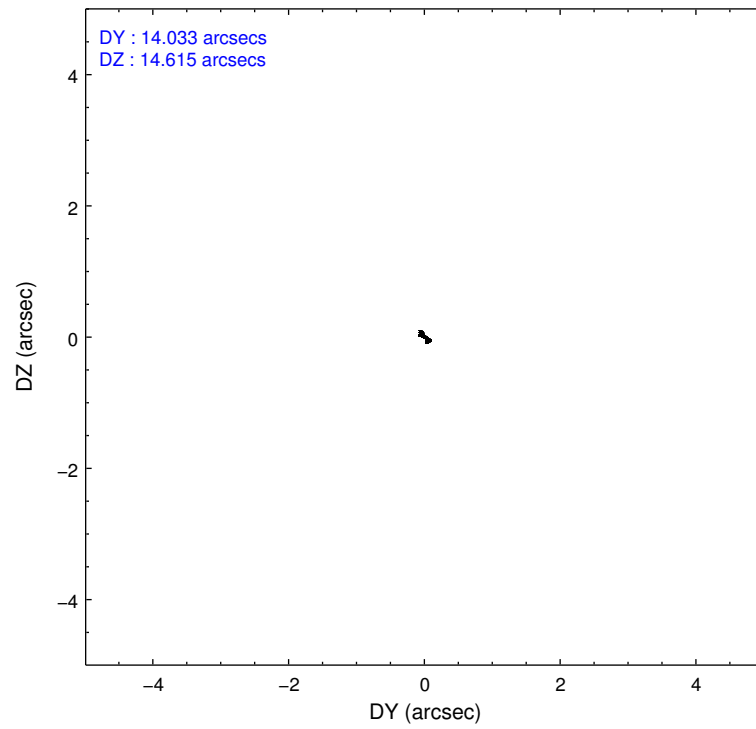
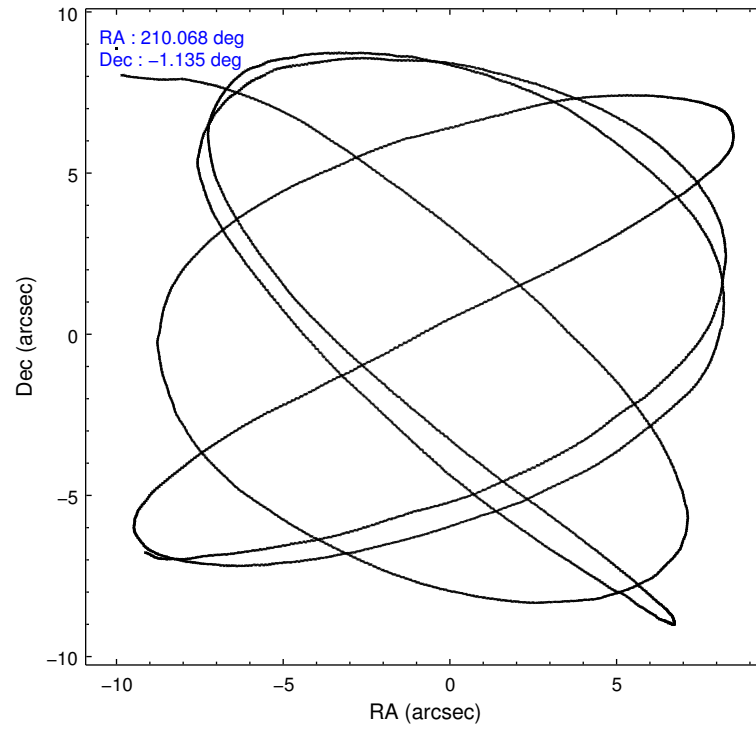
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	15806	15367	16415	21299	21036
rejected events	13885	13379	14514	12190	16565
rejected %	87%	87%	88%	57%	78%

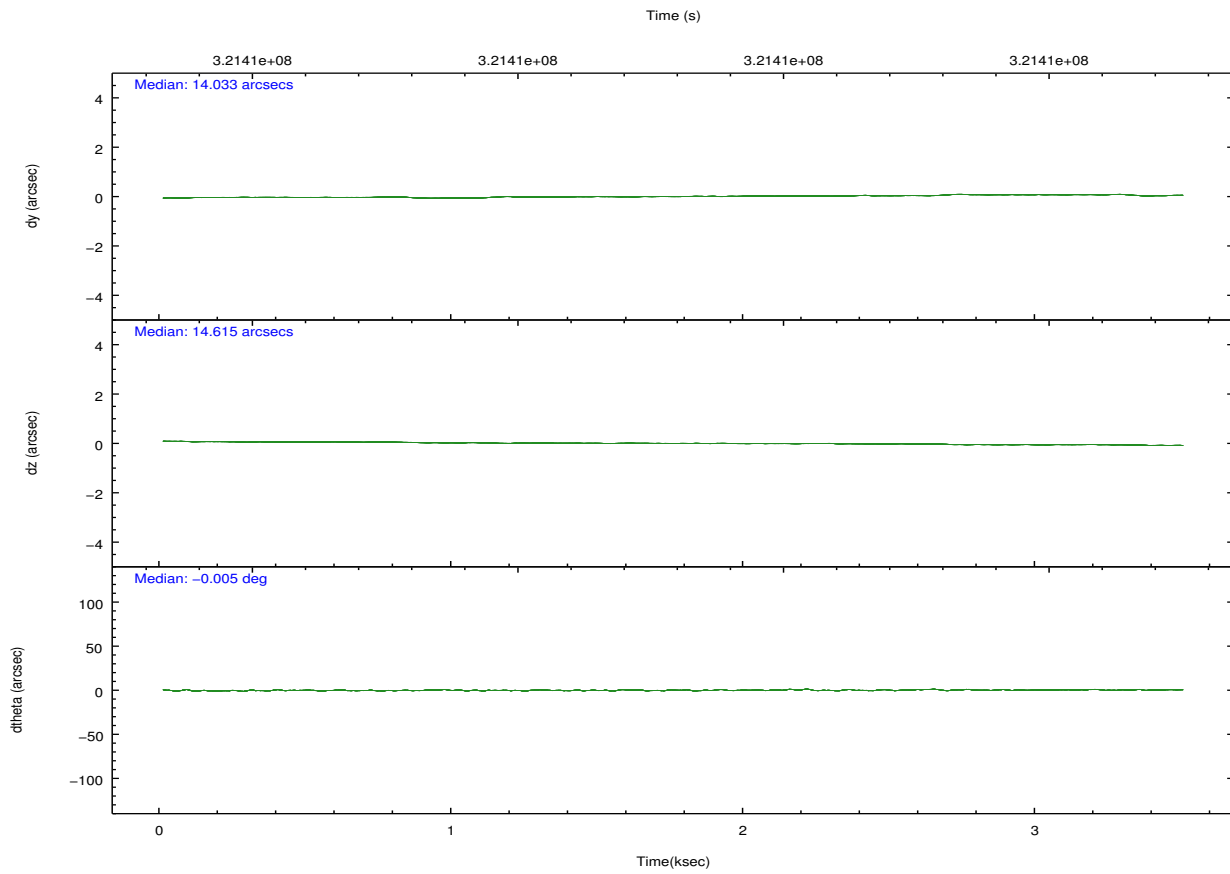
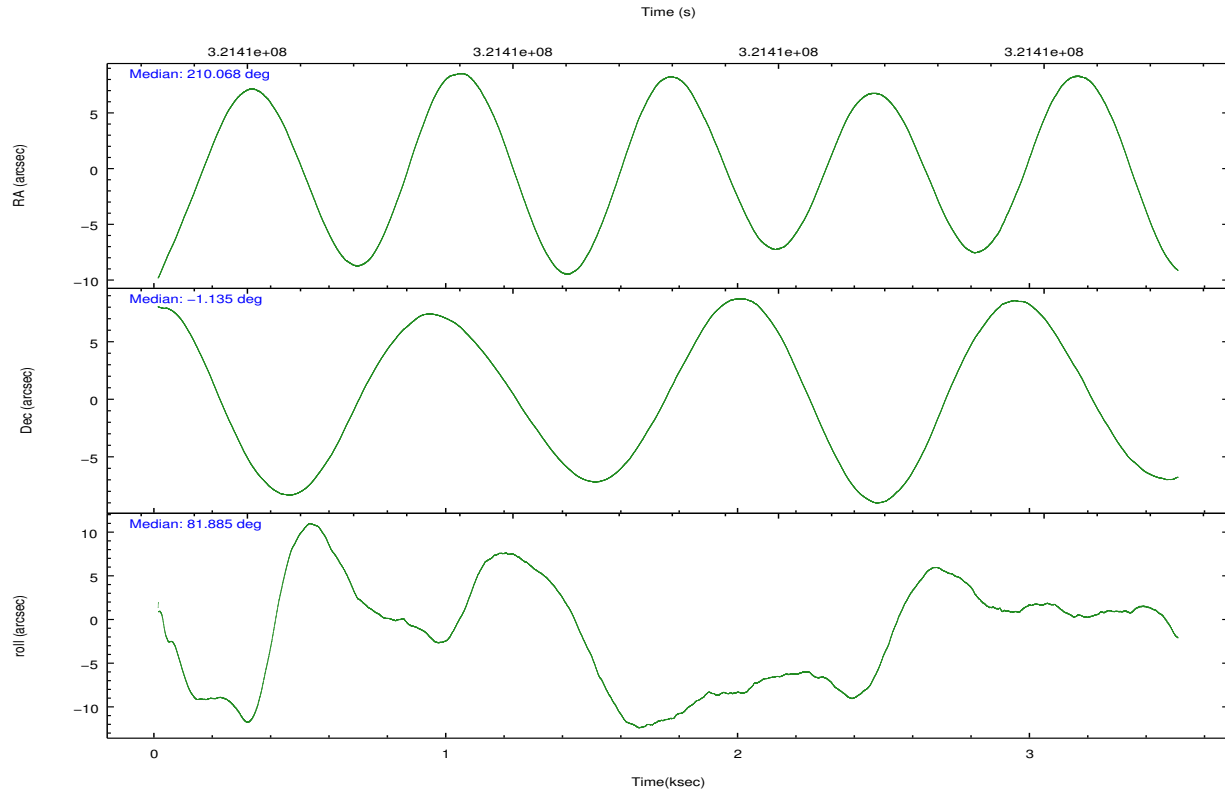
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	800	866	737	870	1383
	5%	5%	4%	4%	6%
grade 1 events	11	6	7	24	12
	0%	0%	0%	0%	0%
grade 2 events	405	384	390	1911	984
	2%	2%	2%	8%	4%
grade 3 events	192	199	199	867	477
	1%	1%	1%	4%	2%
grade 4 events	217	211	207	837	431
	1%	1%	1%	3%	2%
grade 5 events	609	673	751	1981	967
	3%	4%	4%	9%	4%
grade 6 events	310	333	368	4633	1198
	1%	2%	2%	21%	5%
grade 7 events	13262	12695	13756	10176	15584
	83%	82%	83%	47%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	210.078194	210.0676178315015	CCD I2 on	O1	Y
[deg] Pointing Dec	-1.160254	-1.135064532001583	CCD I3 on	Y	Y
[deg] Pointing Roll	81.741814	81.89826359487395	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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)	321410333.184000	321409422.65047	CCD S5 on	N	N
Observation start date	2008-03-09T00:37:48	2008-03-09T00:23:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	321413333.184000	321413781.46318	On-chip summing requested	N	N
Observation end date	2008-03-09T01:27:48	2008-03-09T01:36:21	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.7

2.3 Aspect



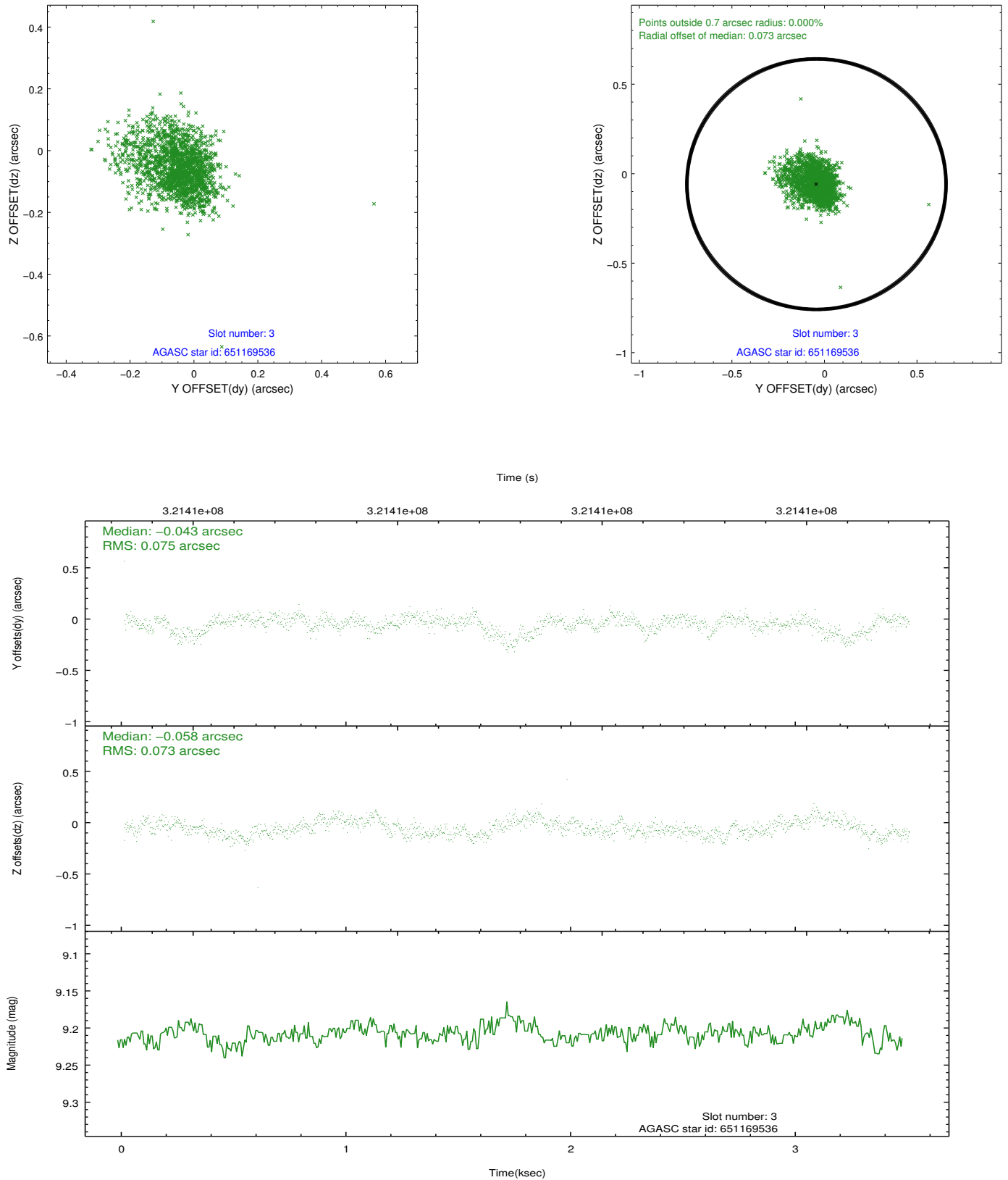


Slot Statistics

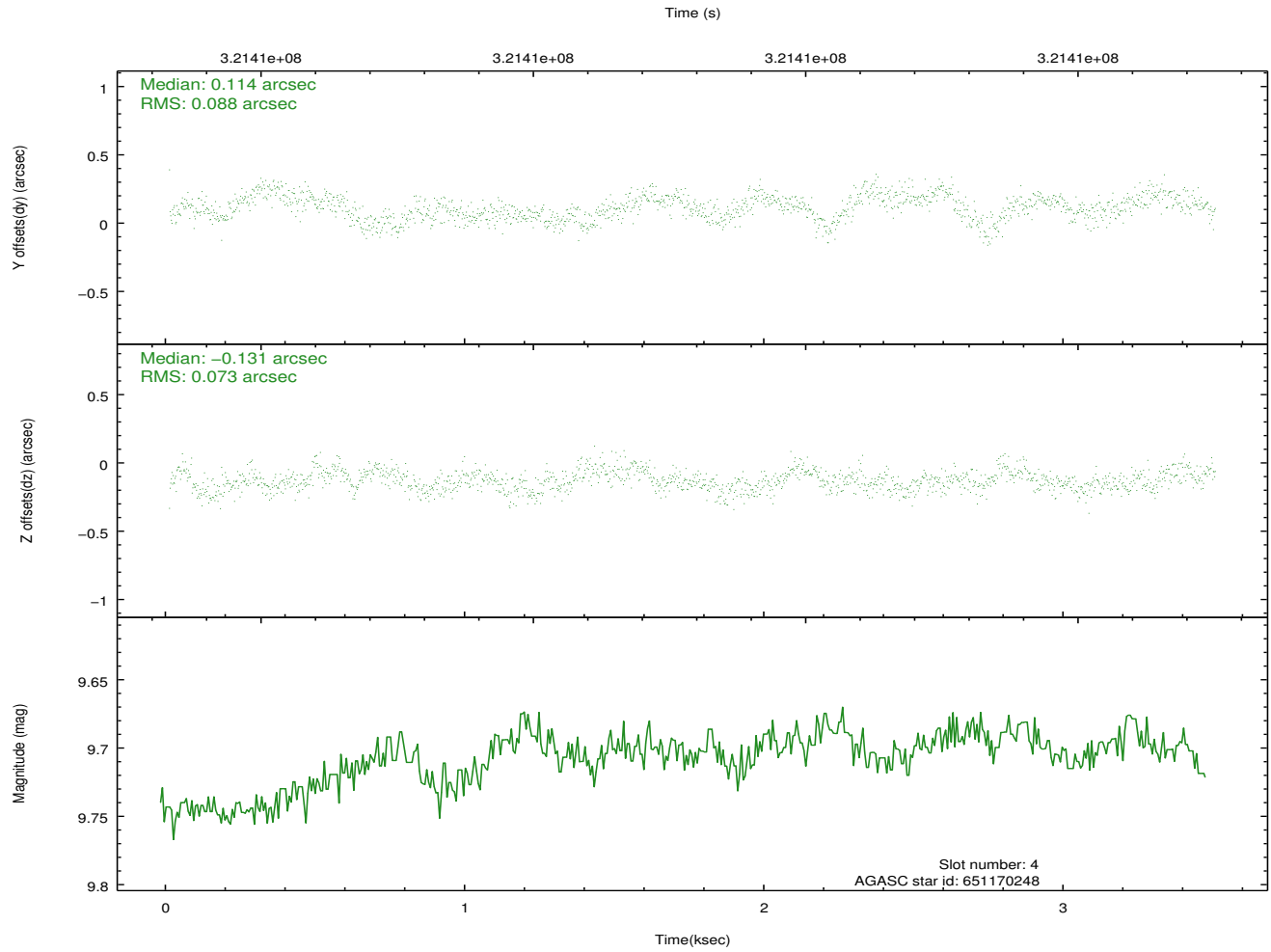
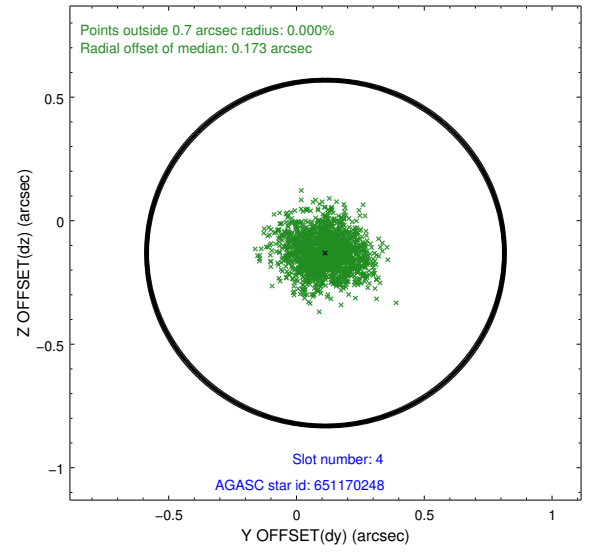
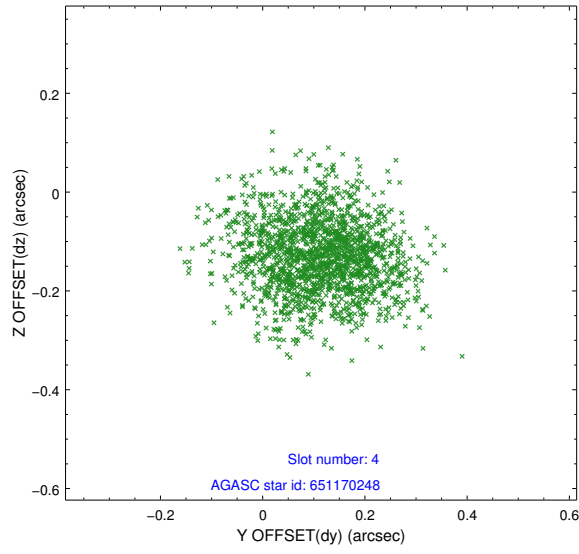
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	853	-0.073	-0.039	0.007	0.010	0.000000	0.000000	-767.03	-1735.98
1	FID	ACIS-S-4	7.19	853	0.194	0.046	0.005	0.010	0.000000	0.000000	2145.66	170.75
2	FID	ACIS-S-5	7.22	852	-0.152	0.002	0.006	0.010	0.000000	0.000000	-1817.66	166.38
3	GUIDE	651169536	9.21	1703	-0.043	-0.058	0.106	0.186	209.999828	-1.605569	-1626.90	49.04
4	GUIDE	651170248	9.70	1703	0.114	-0.131	0.122	0.198	209.603593	-1.660812	-2029.80	1431.43
5	GUIDE	651170472	10.06	1705	-0.072	-0.096	0.162	0.270	209.357482	-1.688492	-2256.54	2294.33
6	GUIDE	652086176	9.22	1705	0.023	0.284	0.088	0.138	210.197468	-1.789690	-2181.77	-748.47
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

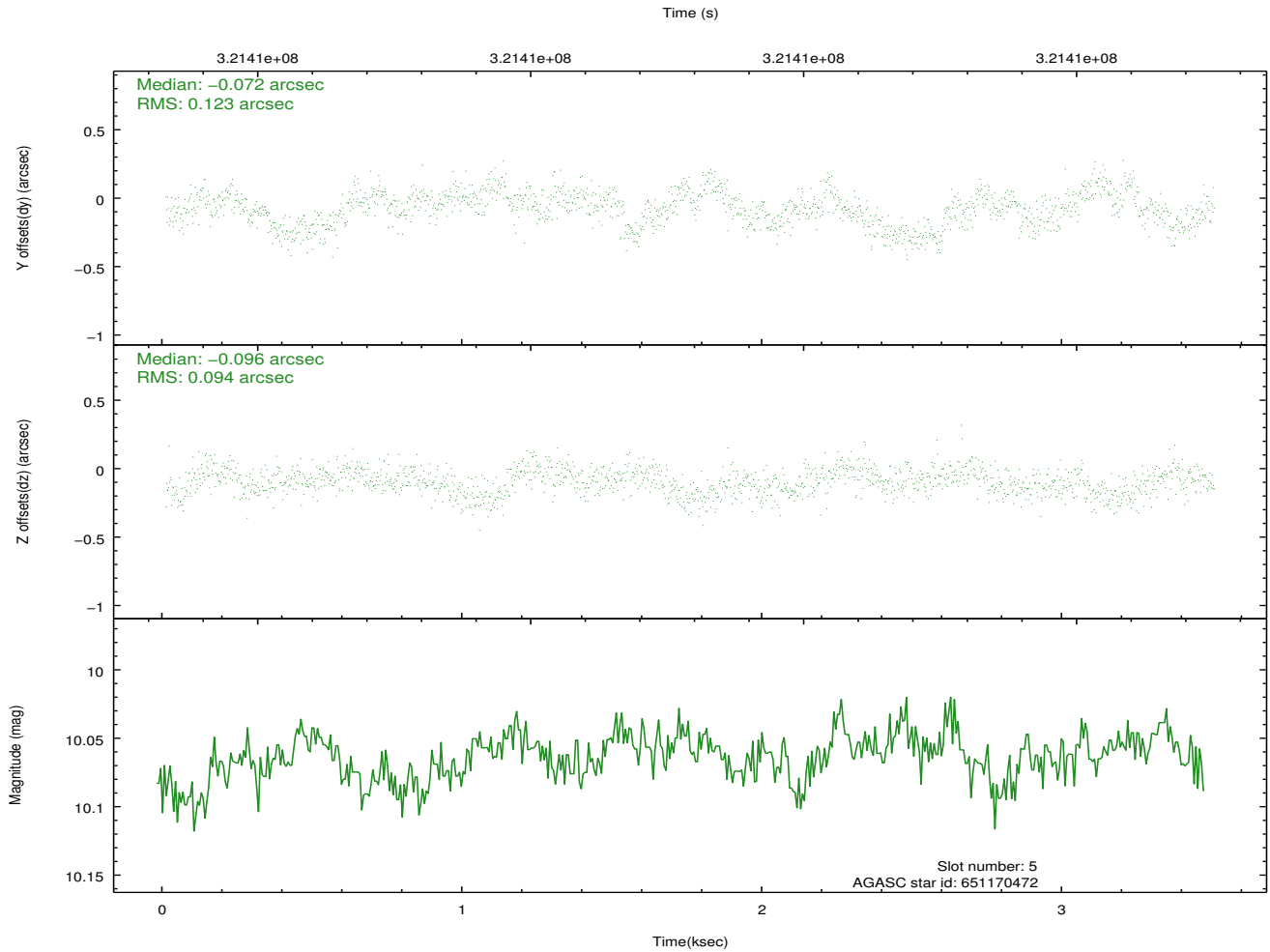
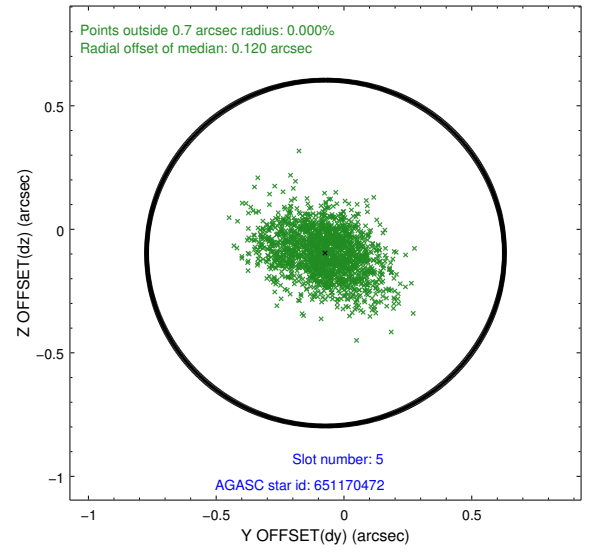
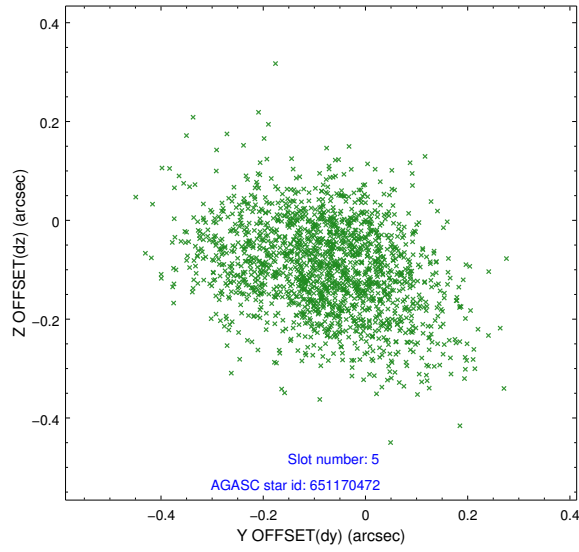
2.4.1 Slot 3



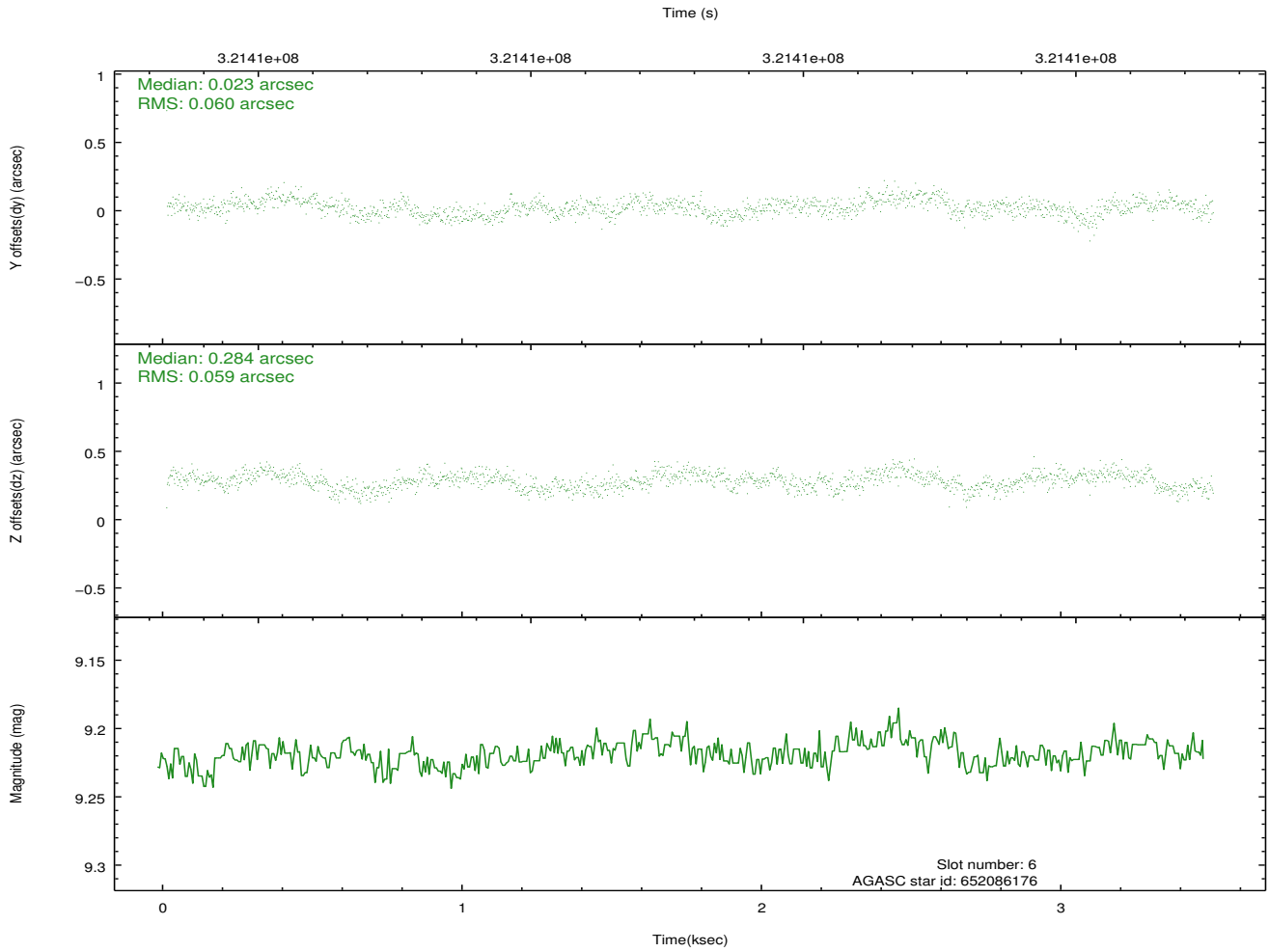
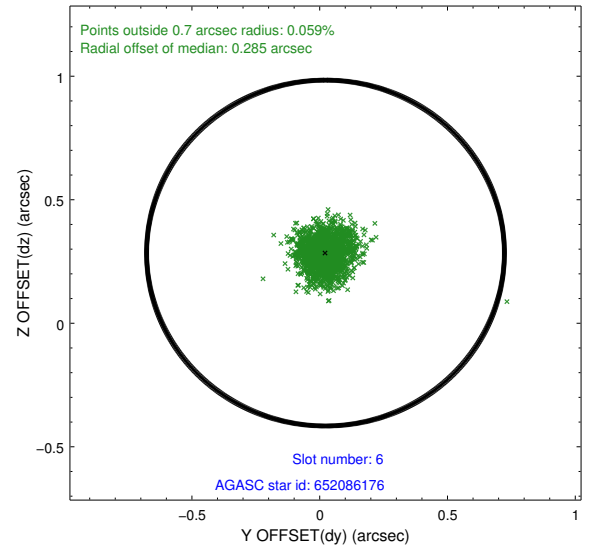
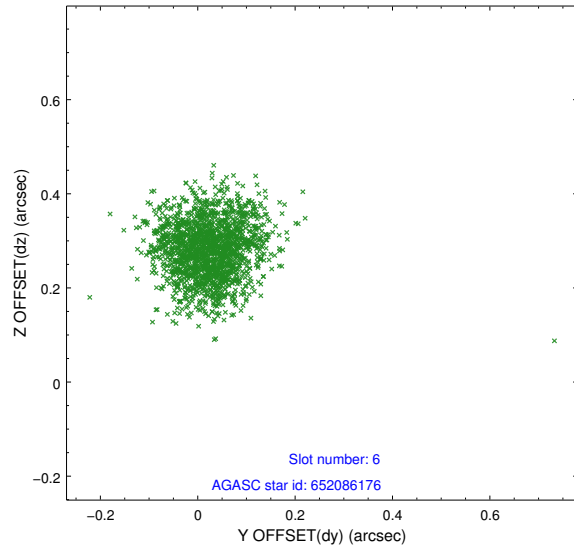
2.4.2 Slot 4



2.4.3 Slot 5

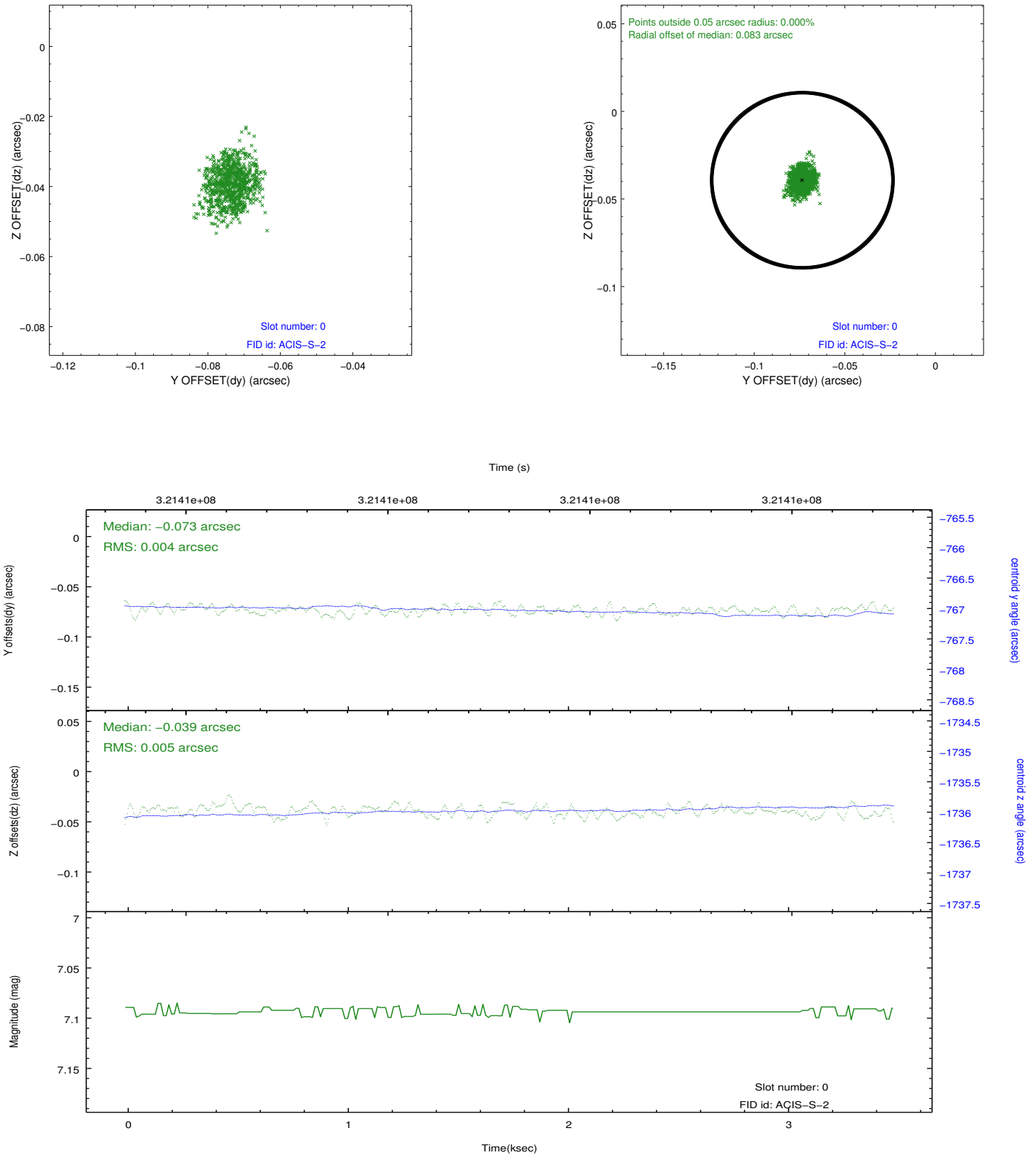


2.4.4 Slot 6

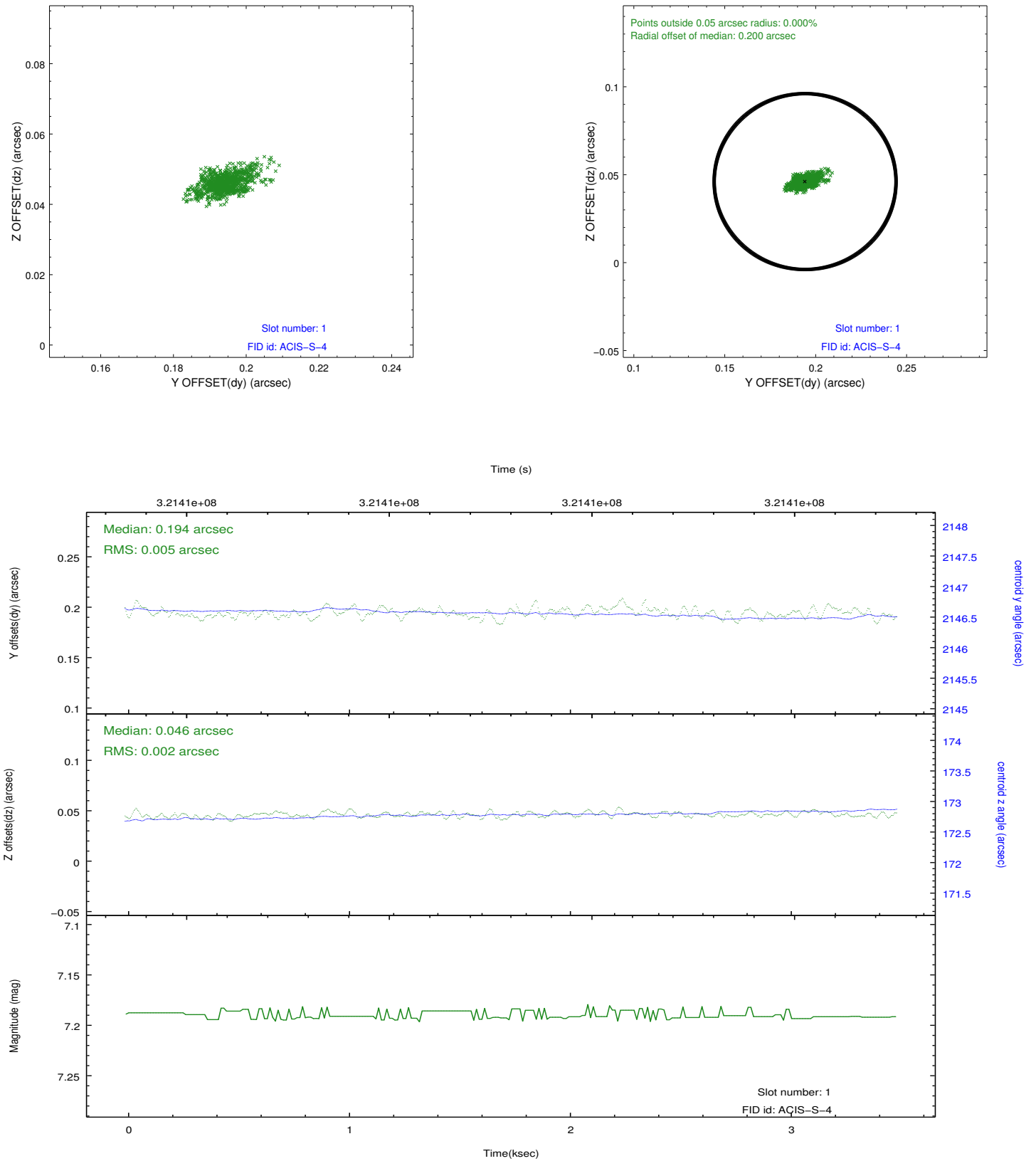


2.5 FID Slots

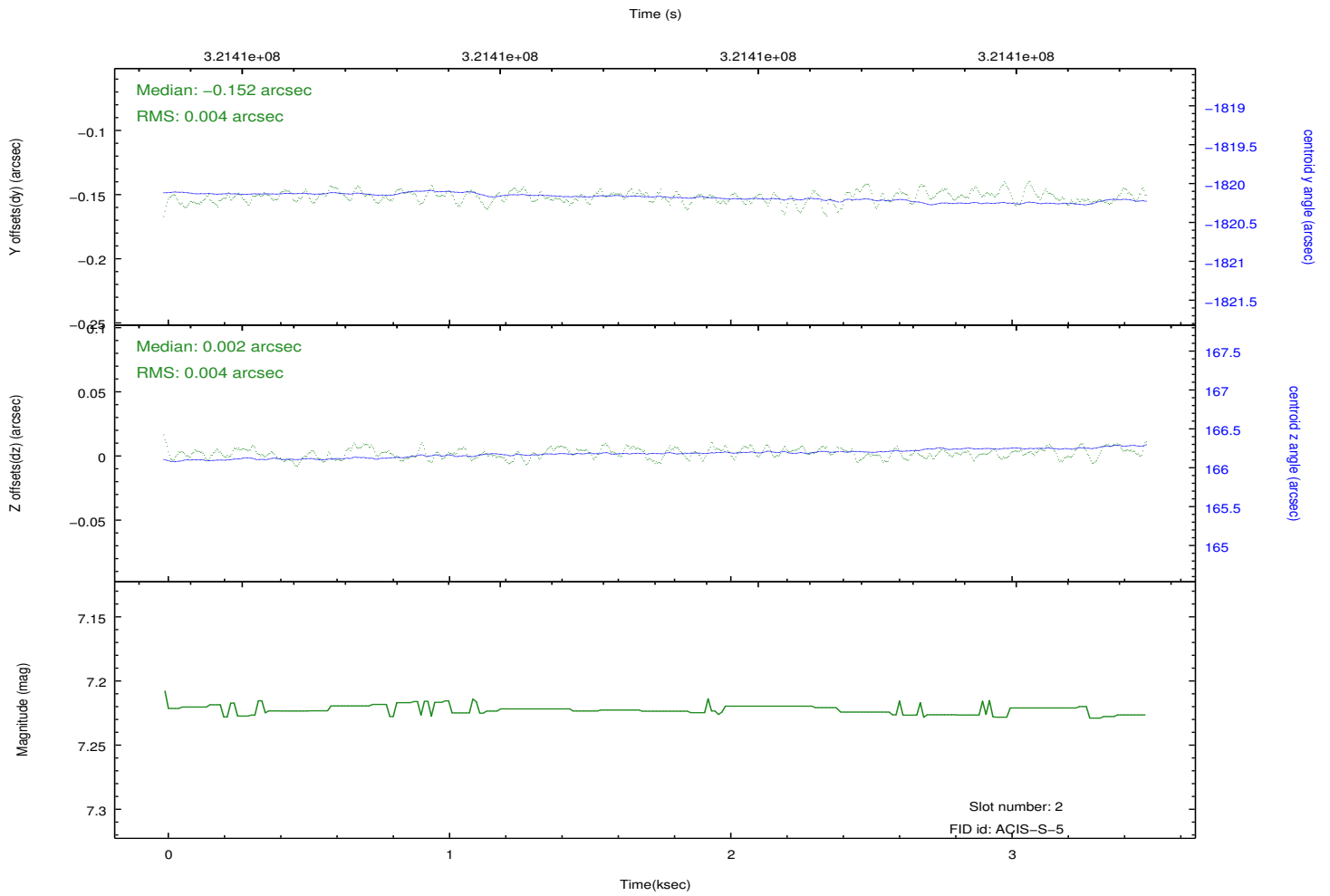
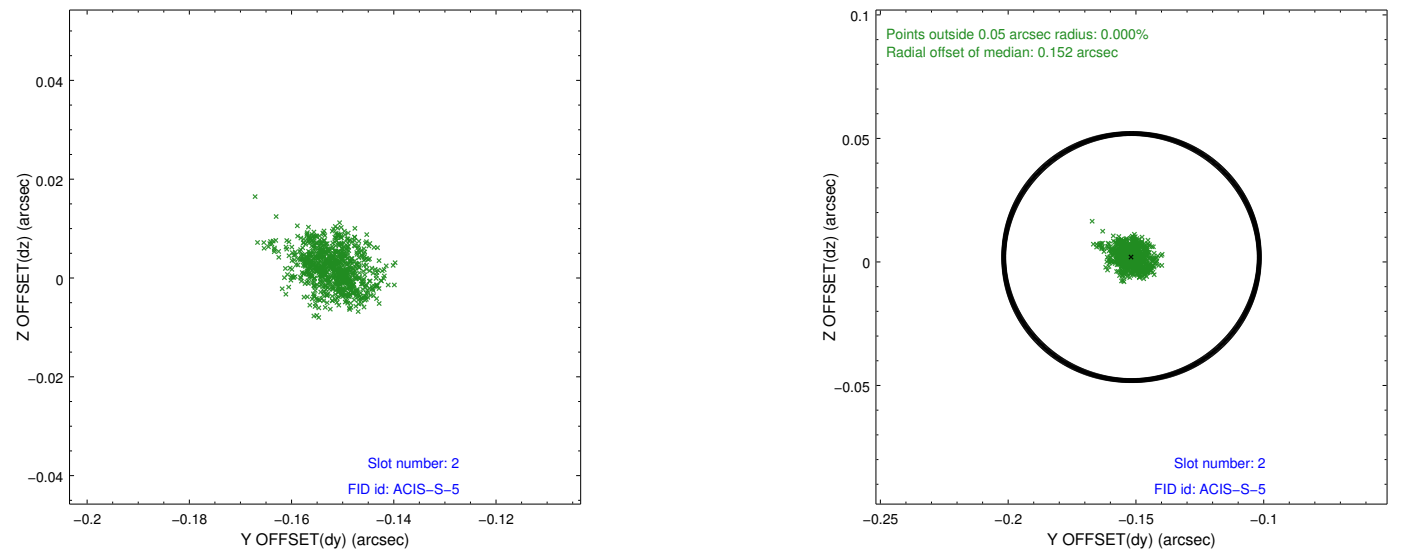
2.5.1 Slot 0



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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.05999997

A.2 Comments

Joint Proposal: HST+Spitzer.

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The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.