

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4724 - L2 Version 5
Chandra X-Ray Center

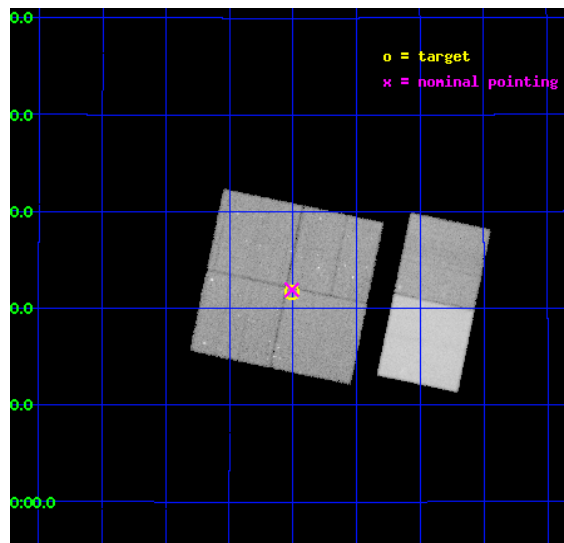
L2 Processing Date : Jan 25 2013

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1 Front

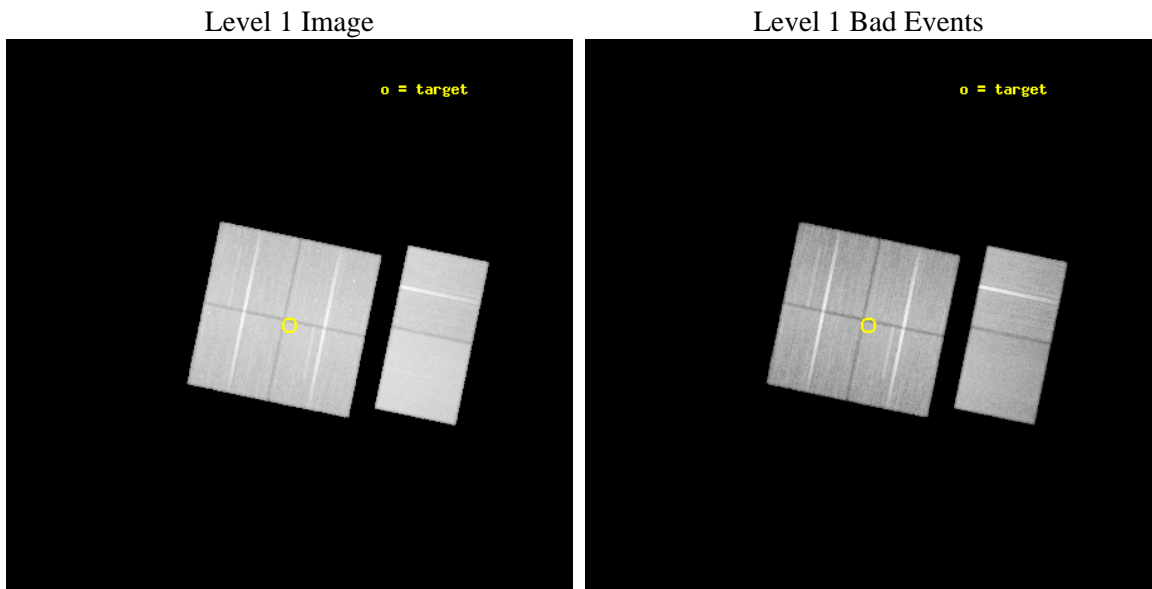
seq_num	600379	Sequence number
obs_id	4724	Observation id
title	The Galaxies in Coma: A Complete Sample of X-ray Observed Galaxies in the Local Universe	Proposal title
observer	Dr. Ann Hornschemeier	Principal investigator
object	COMA3 A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.50125	Observer's specified target RA [deg]
dec_targ	27.360889	Observer's specified target Dec [deg]
ra_nom	194.50225591948	Nominal RA [deg]
dec_nom	27.36544622236	Nominal Dec [deg]
roll_nom	101.73434652477	Nominal Roll [deg]
revision	5	Processing version of data
ontime	60444.717774451	Sum of GTIs [s]
livetime	59679.330362551	Livetime [s]
ontime0	60451.199774802	Sum of GTIs [s]
ontime1	60441.47683388	Sum of GTIs [s]
ontime2	60441.476814002	Sum of GTIs [s]
ontime3	60444.717774451	Sum of GTIs [s]
ontime6	60444.717794269	Sum of GTIs [s]
ontime7	60447.958784521	Sum of GTIs [s]
l2events	511734	Number of level 2 events



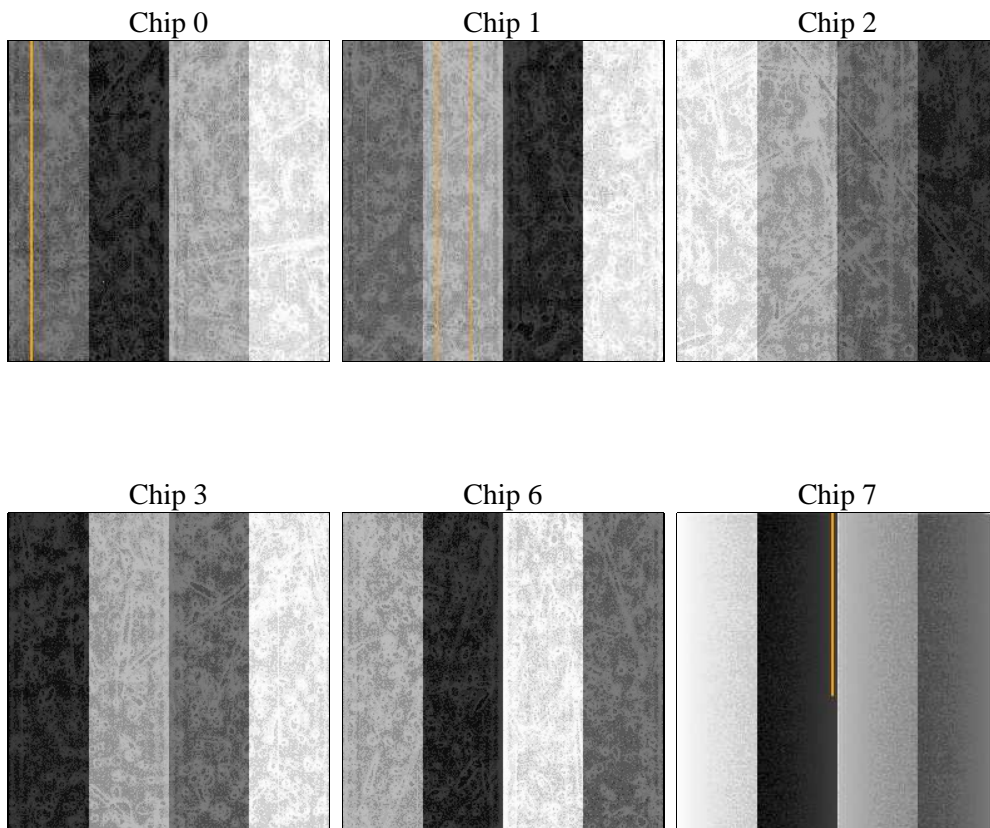
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	60287.976000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	60444.717774451	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	60451.199774802	Sum of GTIs [s]
date	2013-01-25T19:09:06	Date and time of file creation	ontime1	60441.47683388	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	60441.476814002	Sum of GTIs [s]
			ontime3	60444.717774451	Sum of GTIs [s]
			ontime6	60444.717794269	Sum of GTIs [s]
			ontime7	60447.958784521	Sum of GTIs [s]
			l1events	2570995	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	372902	376701	415457	399914	441185	564836	grade 0 events	31282	25839	35876	26558	38623	26948
rejected events	311965	319062	350830	345927	369797	319956		8%	6%	8%	6%	8%	4%
rejected %	83%	84%	84%	86%	83%	56%	grade 1 events	259	184	303	268	272	534
								0%	0%	0%	0%	0%	0%
							grade 2 events	11234	11618	11001	9618	12321	49272
								3%	3%	2%	2%	2%	8%
							grade 3 events	5286	5276	5071	4824	5295	22297
								1%	1%	1%	1%	1%	3%
							grade 4 events	4750	5196	4870	4885	5095	22249
								1%	1%	1%	1%	1%	3%
							grade 5 events	16117	16627	15469	17734	18768	51658
								4%	4%	3%	4%	4%	9%
							grade 6 events	8758	10079	8168	8436	10422	125532
								2%	2%	1%	2%	2%	22%
							grade 7 events	295216	301882	334699	327591	350389	266346
								79%	80%	80%	81%	79%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	194.522880	194.5022559194787	Subarray requested	NONE	NONE
[deg] Pointing Dec	27.345076	27.36544622236019	Alternating exposures requested	N	N
[deg] Pointing Roll	101.516177	101.7343465247685	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	193435559.184000	193434325.52827			
Observation start date	2004-02-17T20:04:55	2004-02-17T19:45:25			
[s] Observation end time (MET)	193495847.184000	193496162.24348			
Observation end date	2004-02-18T12:49:43	2004-02-18T12:56:02			
Read mode	TIMED	TIMED			

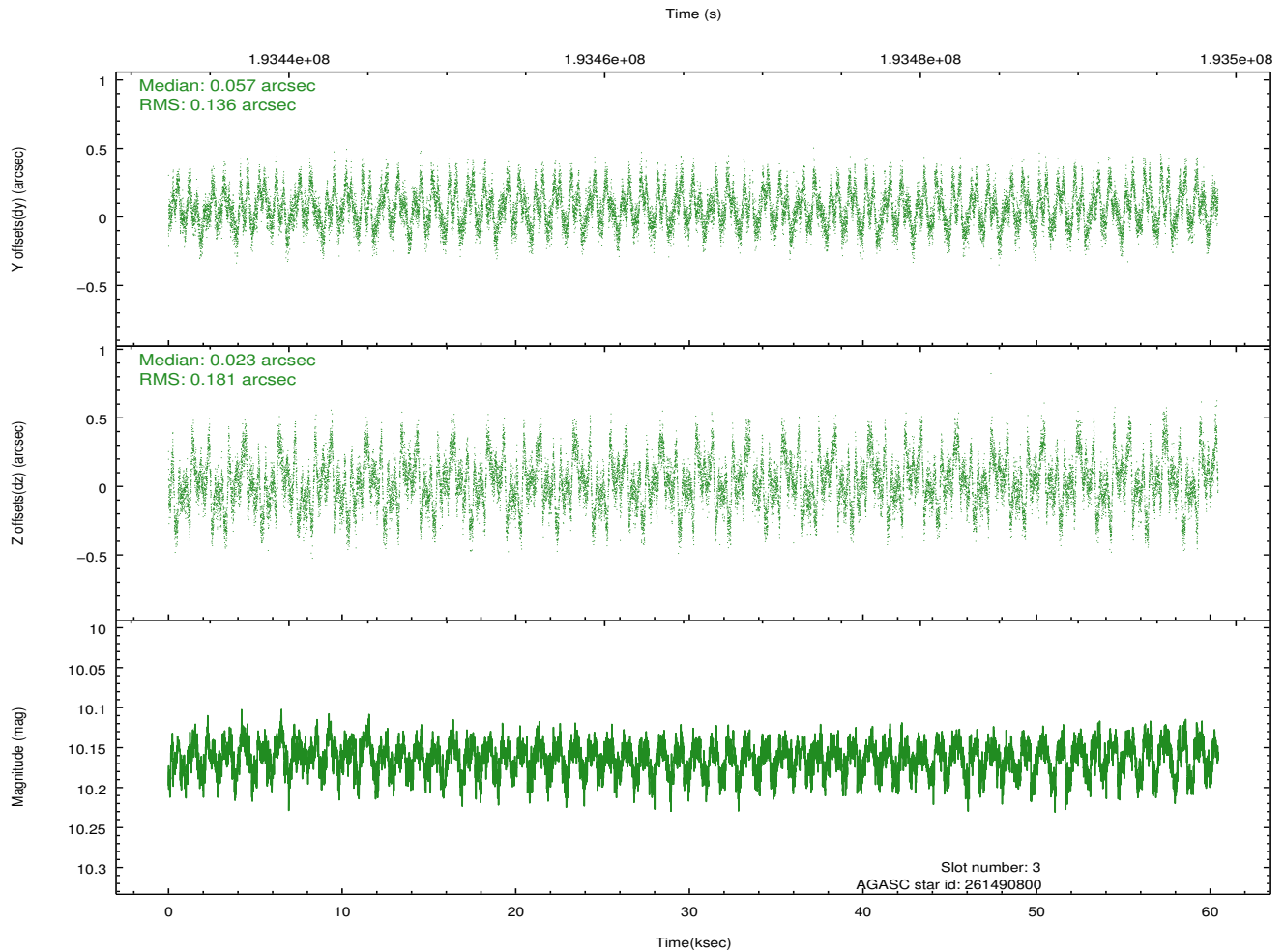
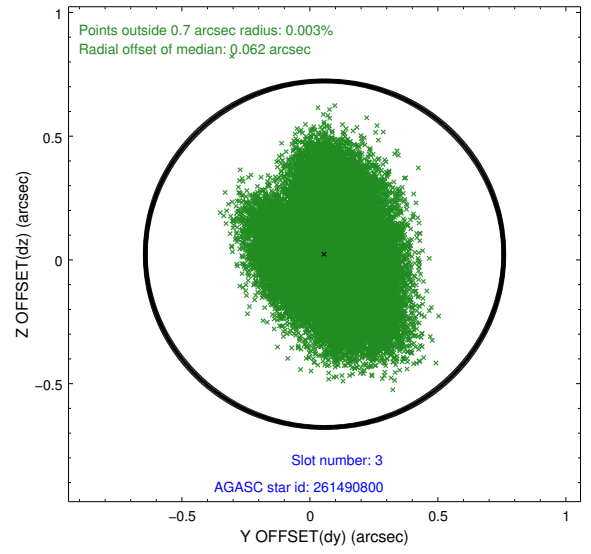
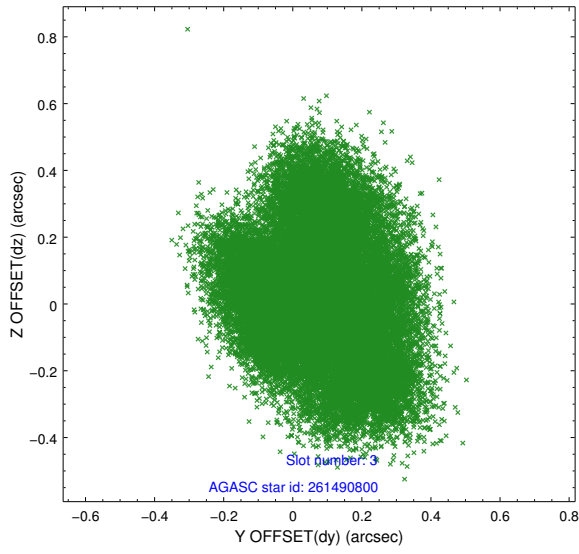
2.3 Aspect

Slot Statistics

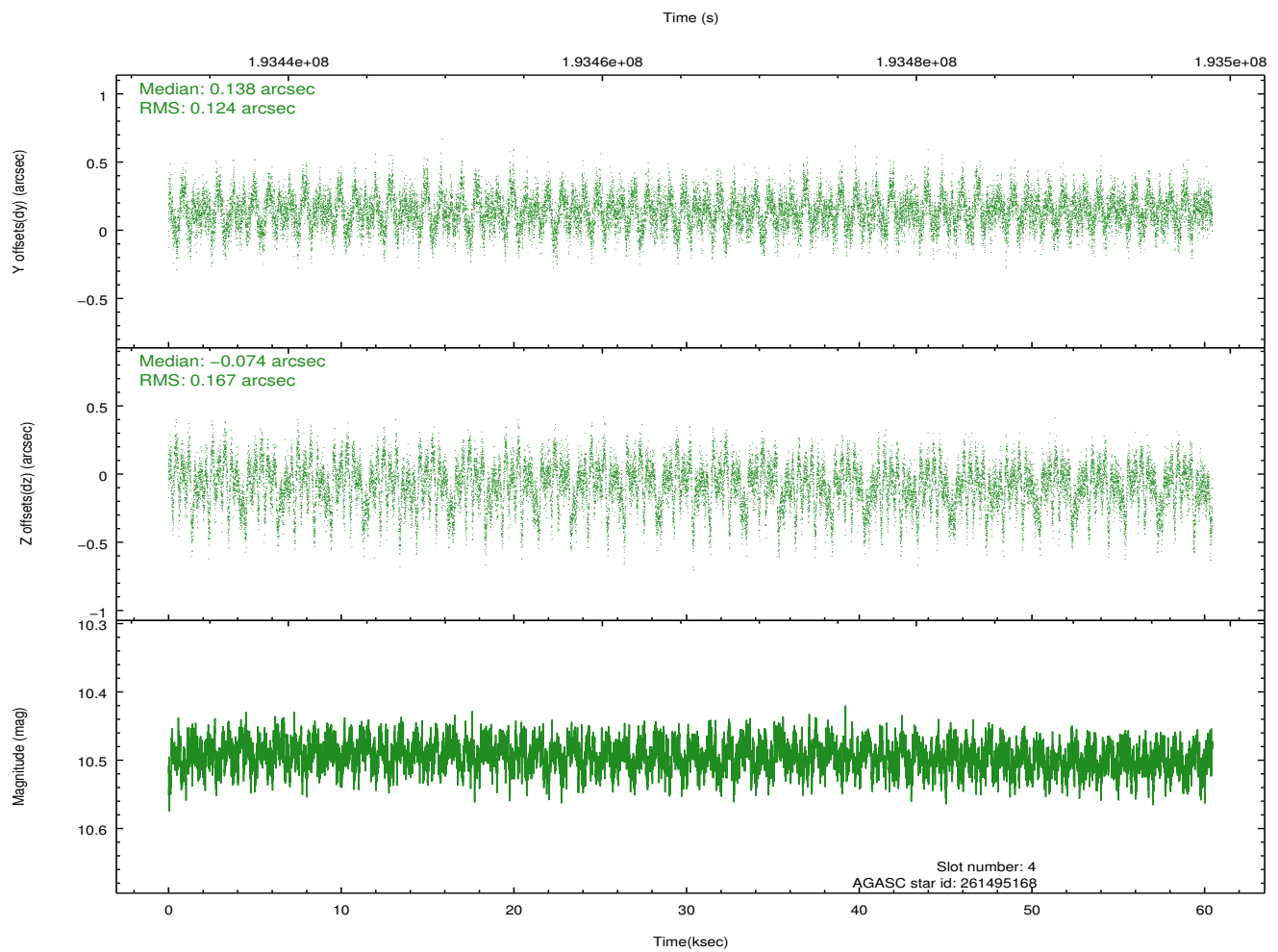
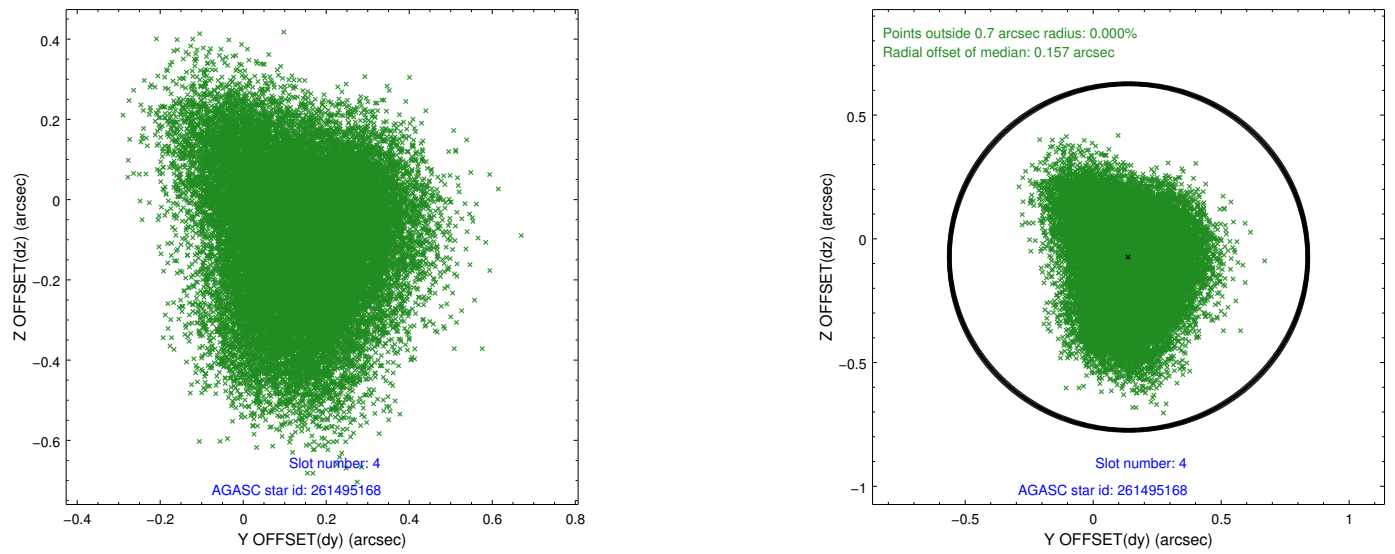
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	14742	0.006	-0.000	0.005	0.027	0.000000	0.000000	933.09	-832.79
1	FID	ACIS-I-5	7.23	14740	-0.067	0.050	0.005	0.027	0.000000	0.000000	-1815.17	1064.70
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	261490800	10.16	29365	0.057	0.023	0.248	0.385	195.029641	27.224508	-745.37	-1503.43
4	GUIDE	261495168	10.50	29448	0.138	-0.074	0.221	0.364	193.929693	26.952985	-998.72	2145.80
5	GUIDE	261502496	7.38	29485	-0.116	0.071	0.078	0.135	194.887297	28.065668	2312.83	-1652.18
6	GUIDE	261503592	7.86	29479	-0.100	-0.046	0.068	0.108	193.784432	27.766358	1962.41	2001.16
7	GUIDE	261505232	9.80	29460	0.015	0.036	0.109	0.175	194.216553	27.802521	1809.49	627.13

2.4 Star Slots

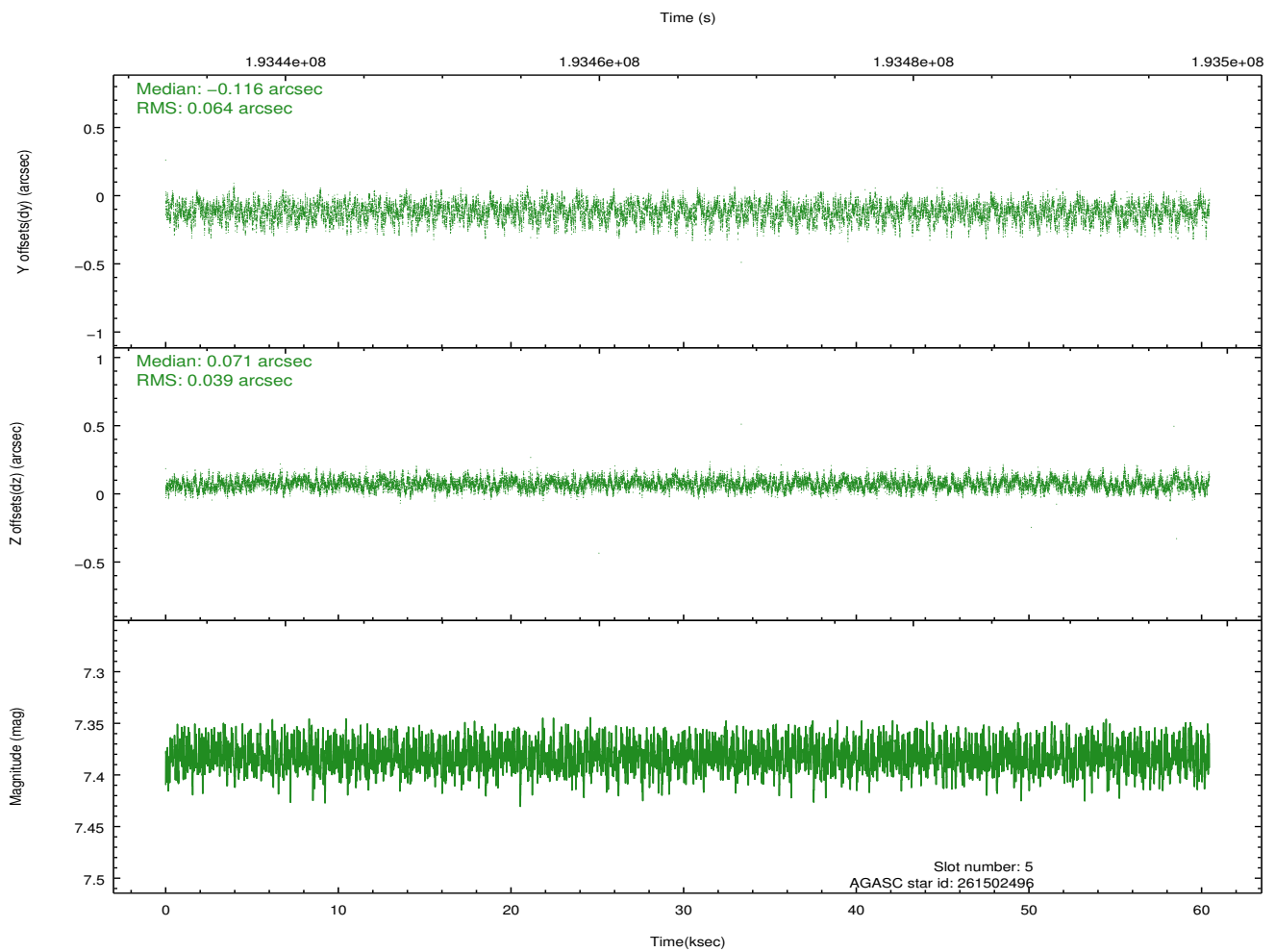
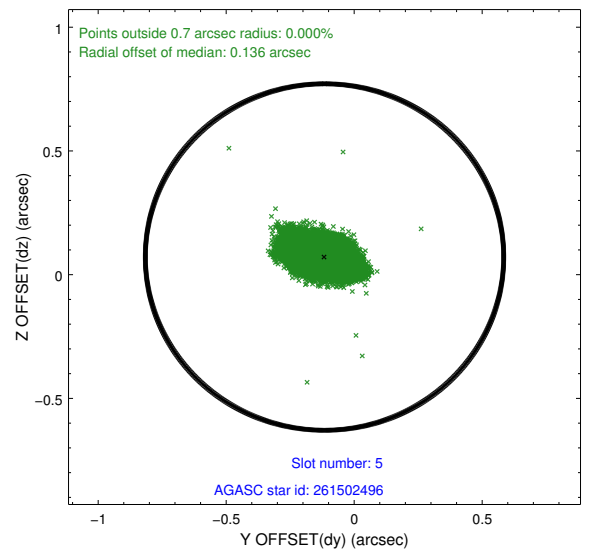
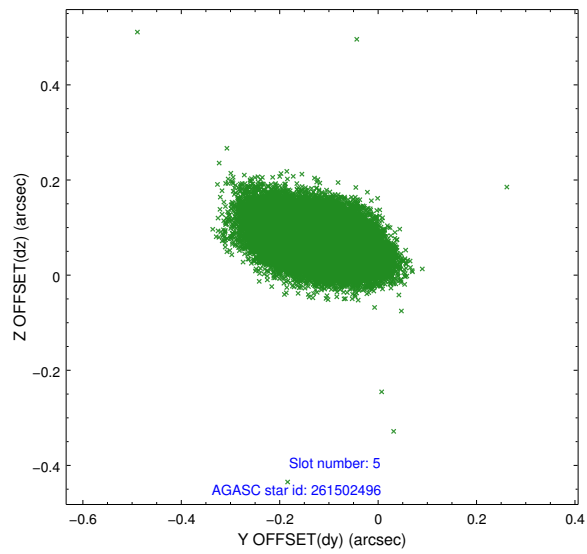
2.4.1 Slot 3



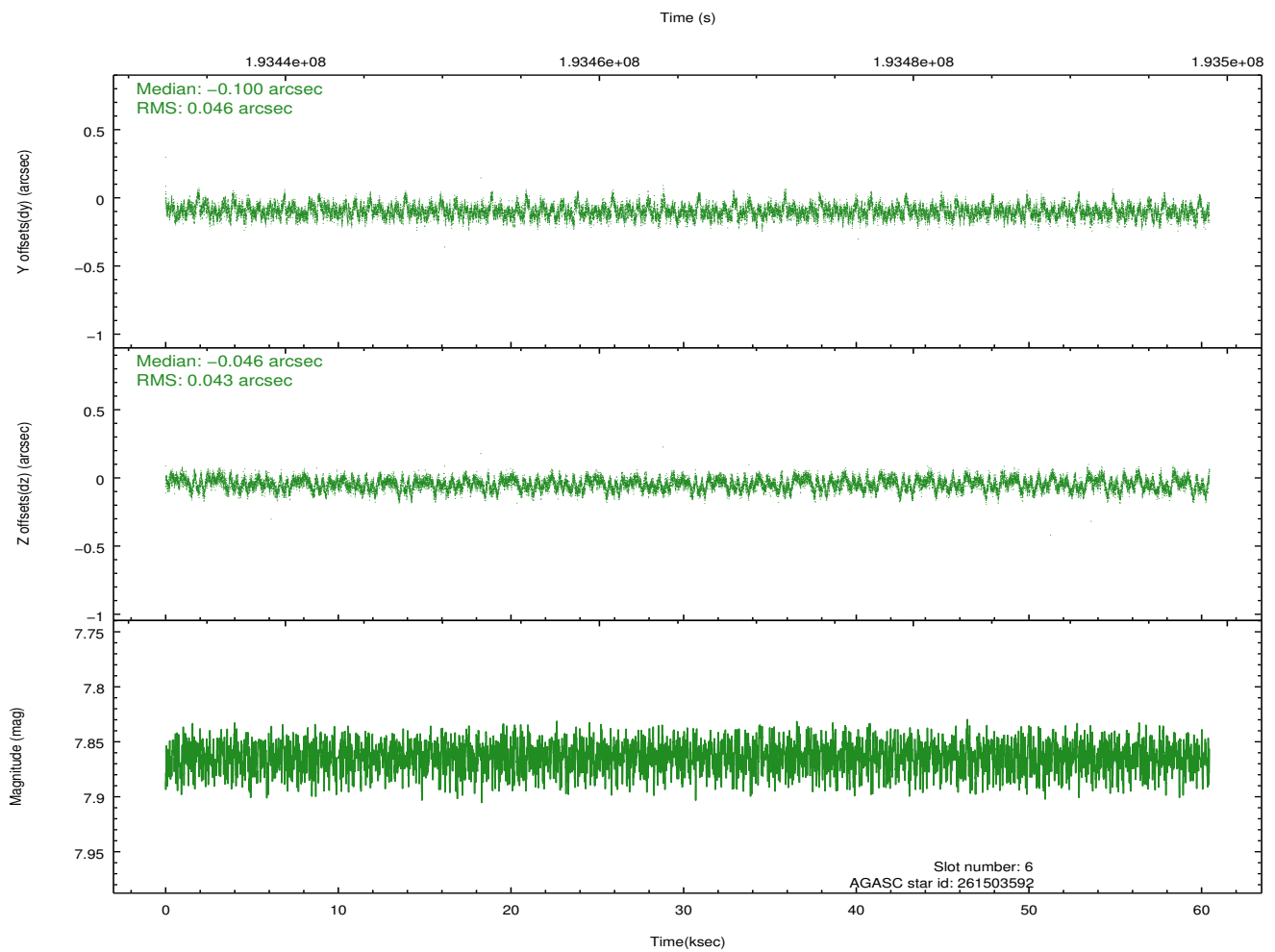
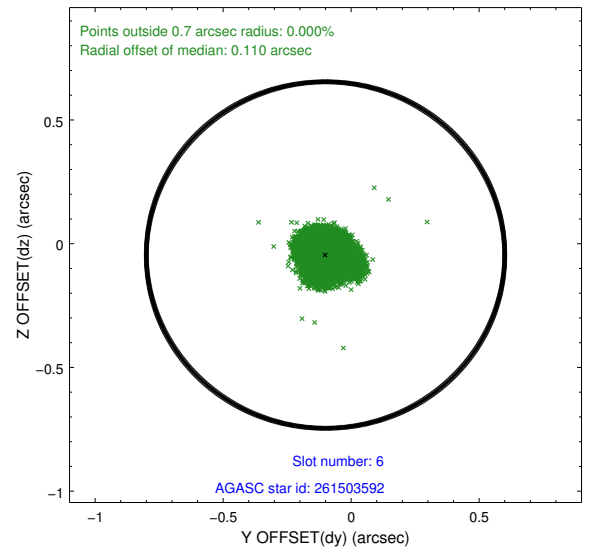
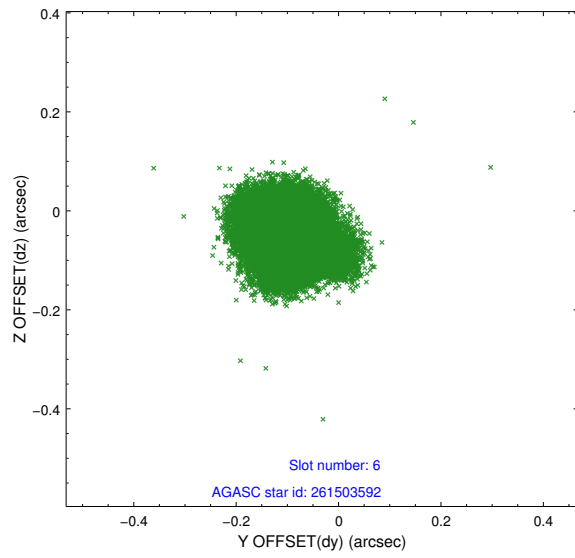
2.4.2 Slot 4



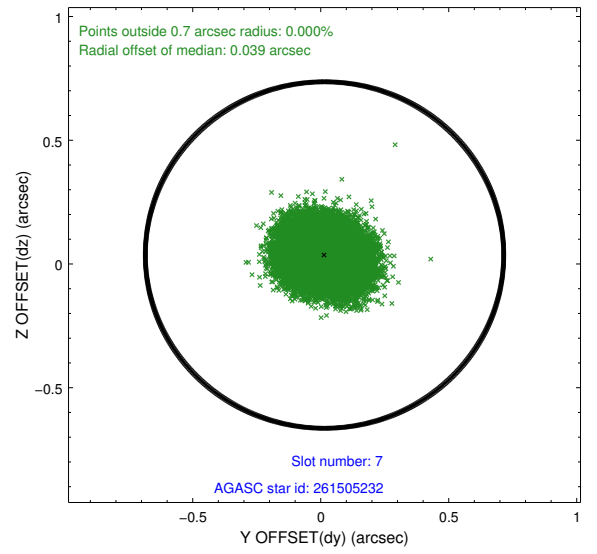
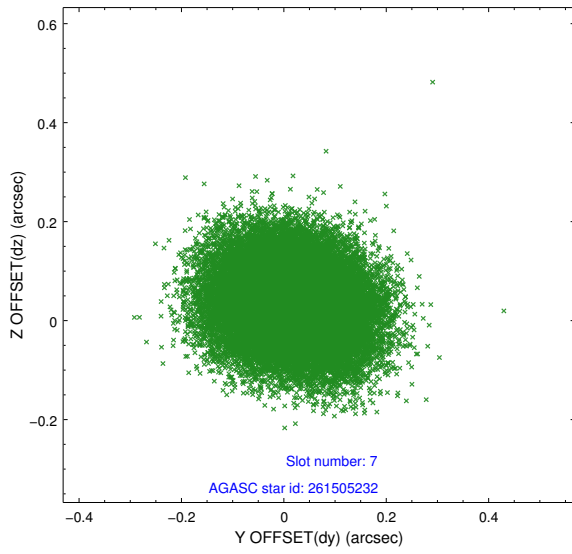
2.4.3 Slot 5



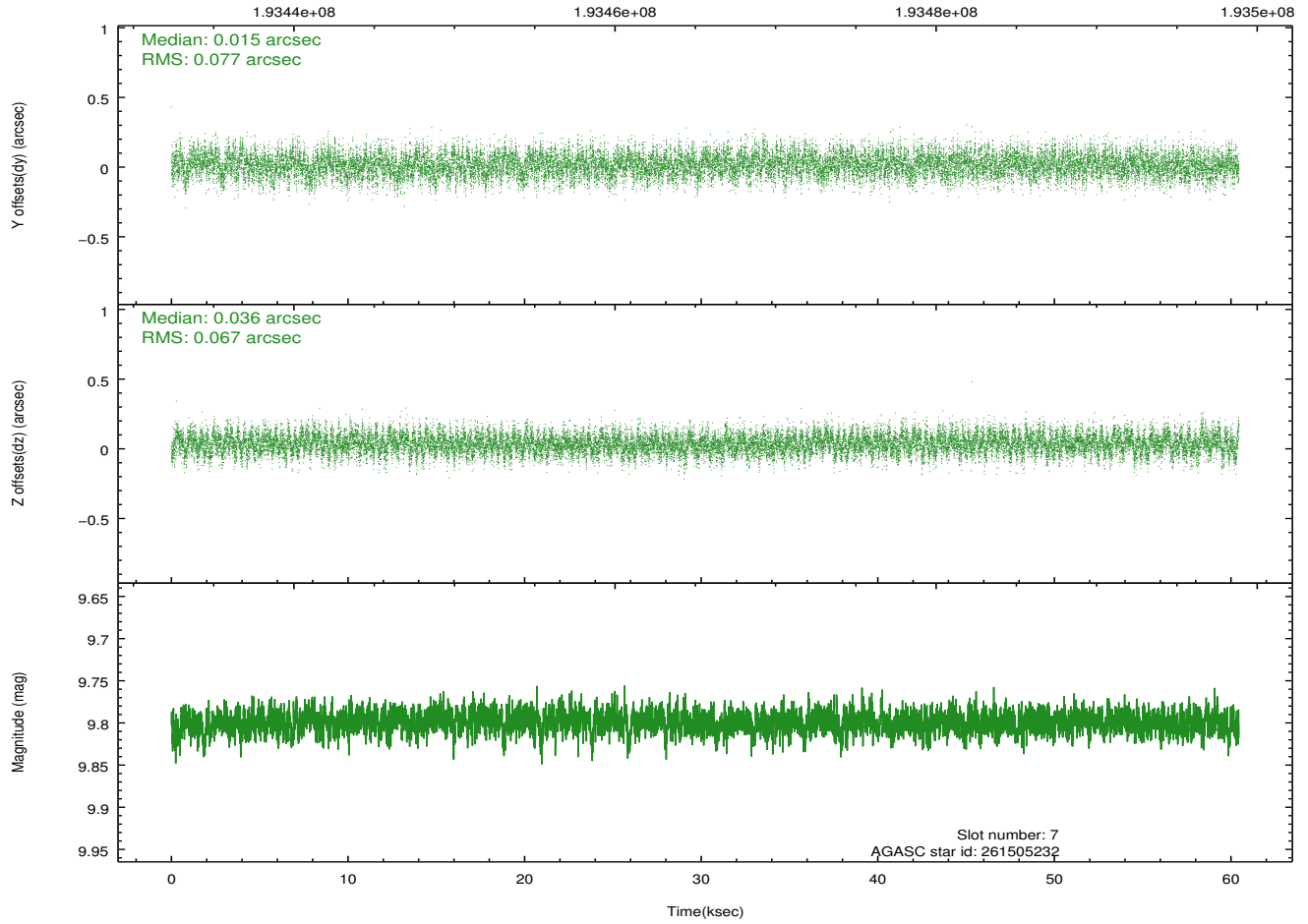
2.4.4 Slot 6



2.4.5 Slot 7

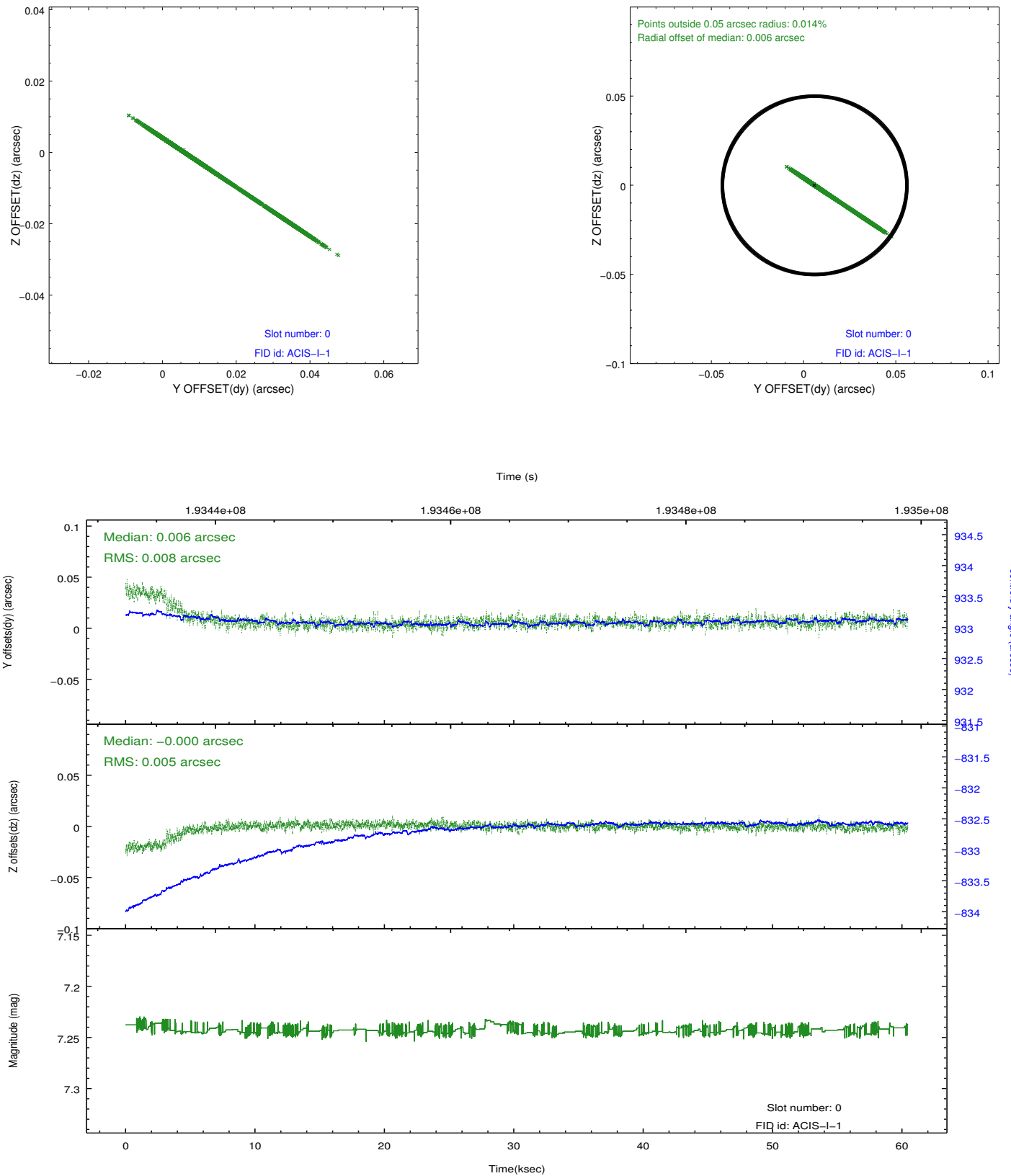


Time (s)

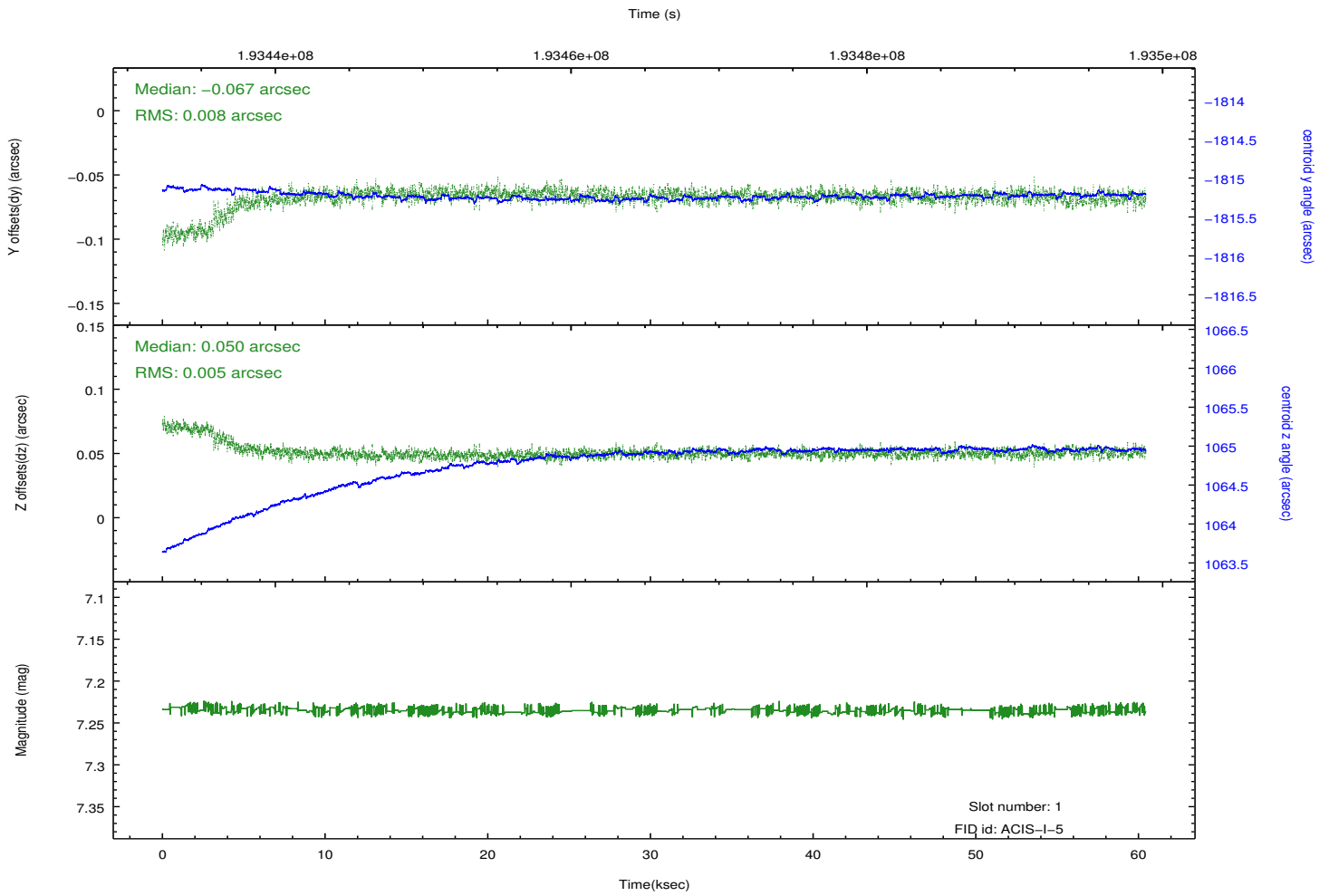
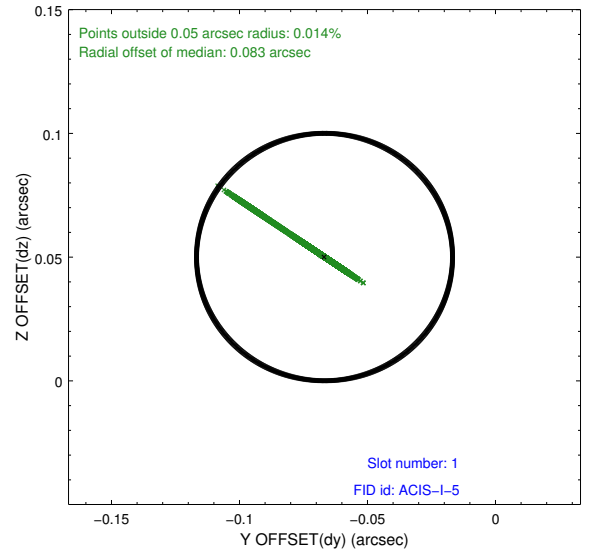
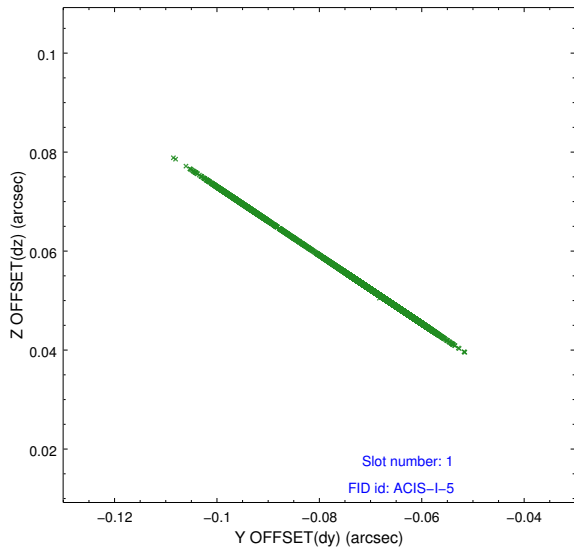


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.444

A.2 Comments

The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.