

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8147 - L2 Version 2
Chandra X-Ray Center

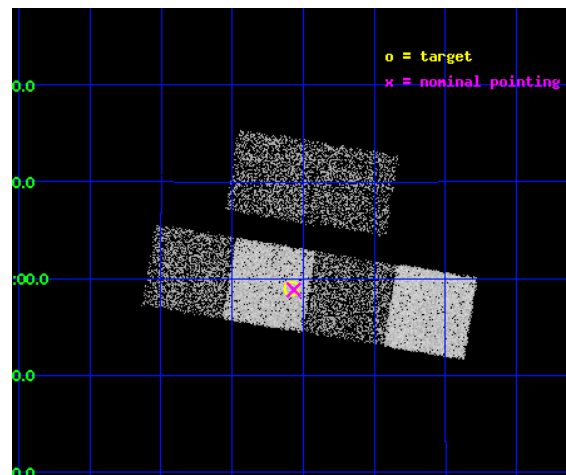
L2 Processing Date : Apr 27 2012

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1 Front

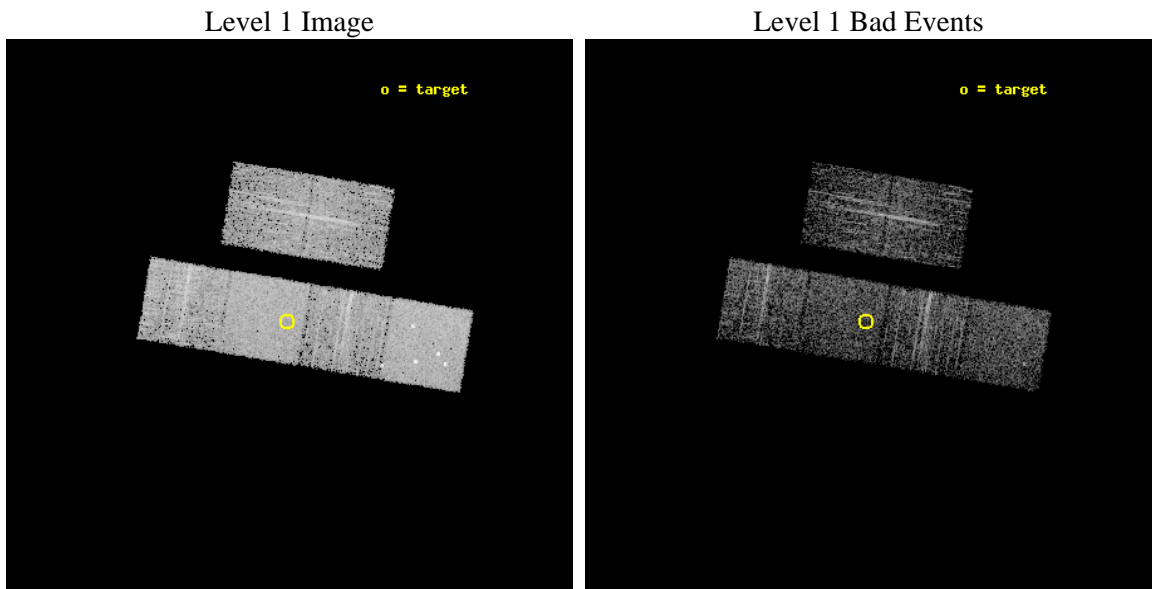
seq_num	900688	Sequence number
obs_id	8147	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J190534+0659	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	286.395	Observer's specified target RA [deg]
dec_targ	6.984	Observer's specified target Dec [deg]
ra_nom	286.39145503638	Nominal RA [deg]
dec_nom	6.9807932169346	Nominal Dec [deg]
roll_nom	189.34948284686	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2175.9999919534	Sum of GTIs [s]
livetime	2148.4461698254	Livetime [s]
ontime2	2175.9999919534	Sum of GTIs [s]
ontime3	2175.9999919534	Sum of GTIs [s]
ontime5	2175.9999919534	Sum of GTIs [s]
ontime6	2175.9999919534	Sum of GTIs [s]
ontime7	2175.9999919534	Sum of GTIs [s]
ontime8	2175.9999919534	Sum of GTIs [s]
l2events	34316	Number of level 2 events



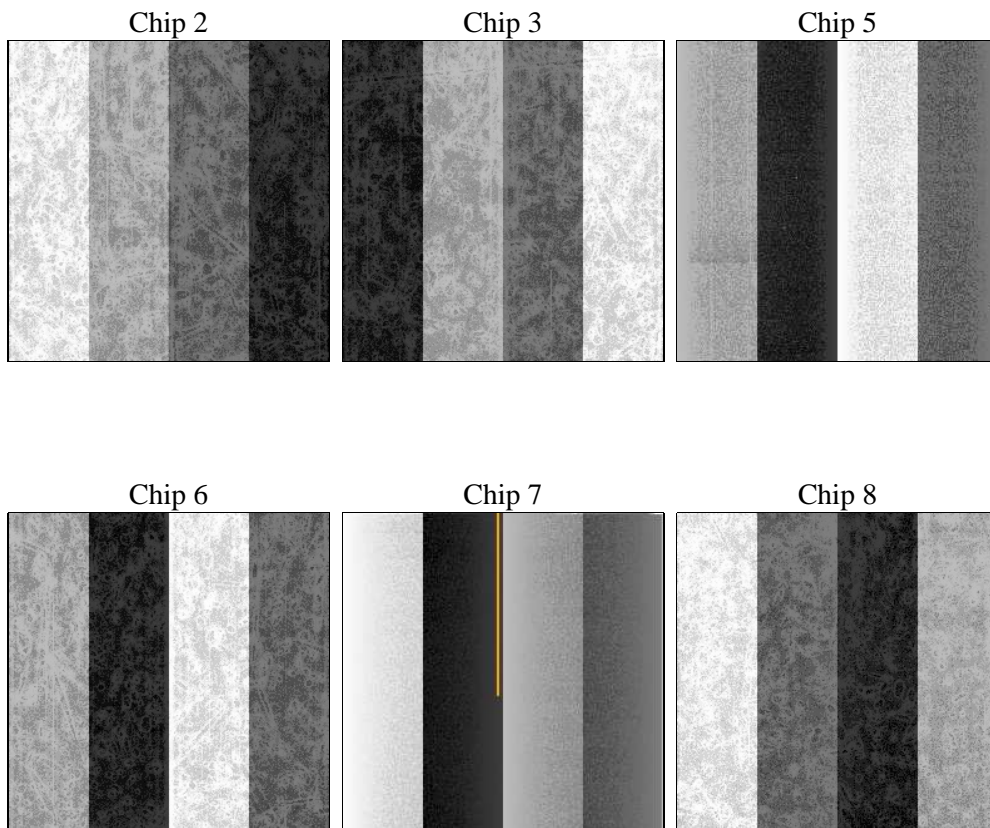
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2175.9999919534	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	2175.9999919534	Sum of GTIs [s]
date	2012-04-28T00:11:30	Date and time of file creation	ontime3	2175.9999919534	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2175.9999919534	Sum of GTIs [s]
			ontime6	2175.9999919534	Sum of GTIs [s]
			ontime7	2175.9999919534	Sum of GTIs [s]
			ontime8	2175.9999919534	Sum of GTIs [s]
			l1events	178846	Number of level 1 events

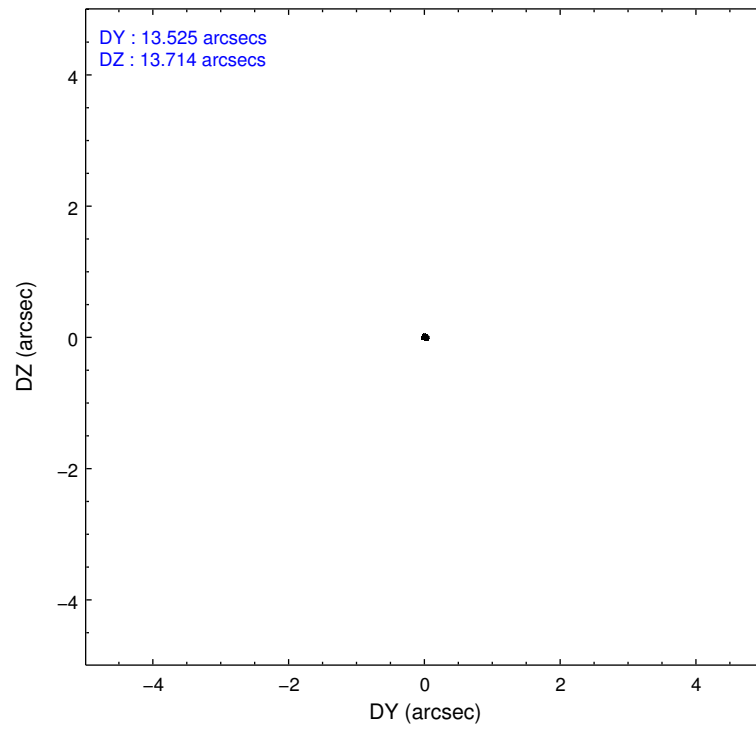
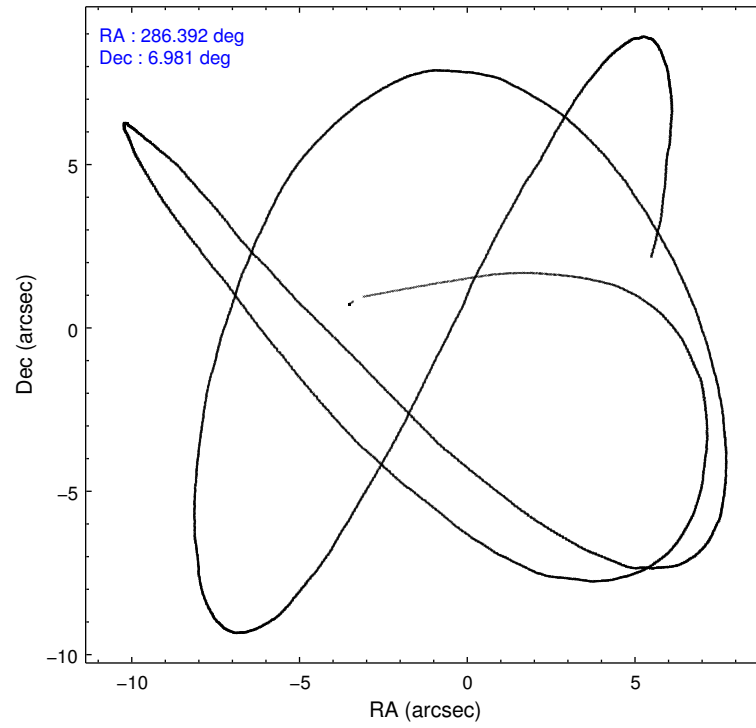
2.1.4 Events

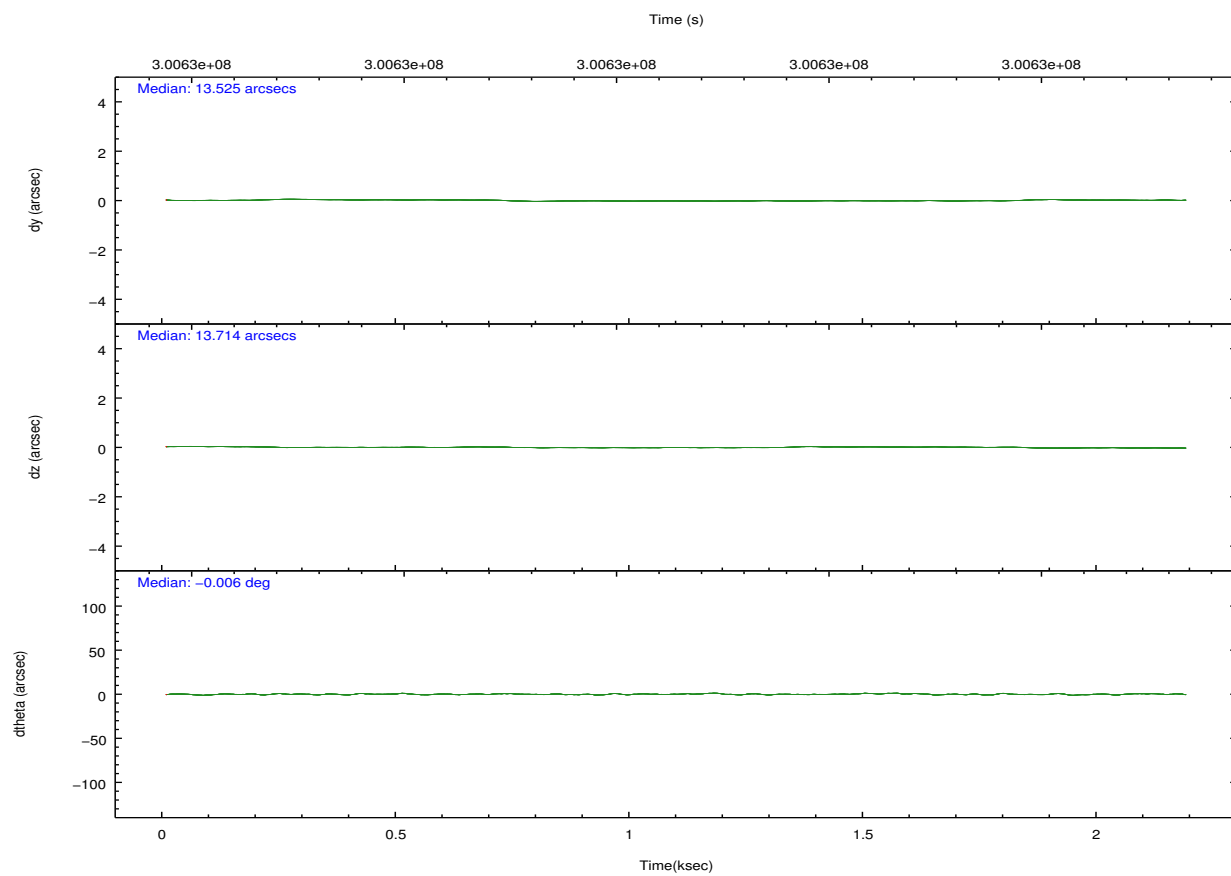
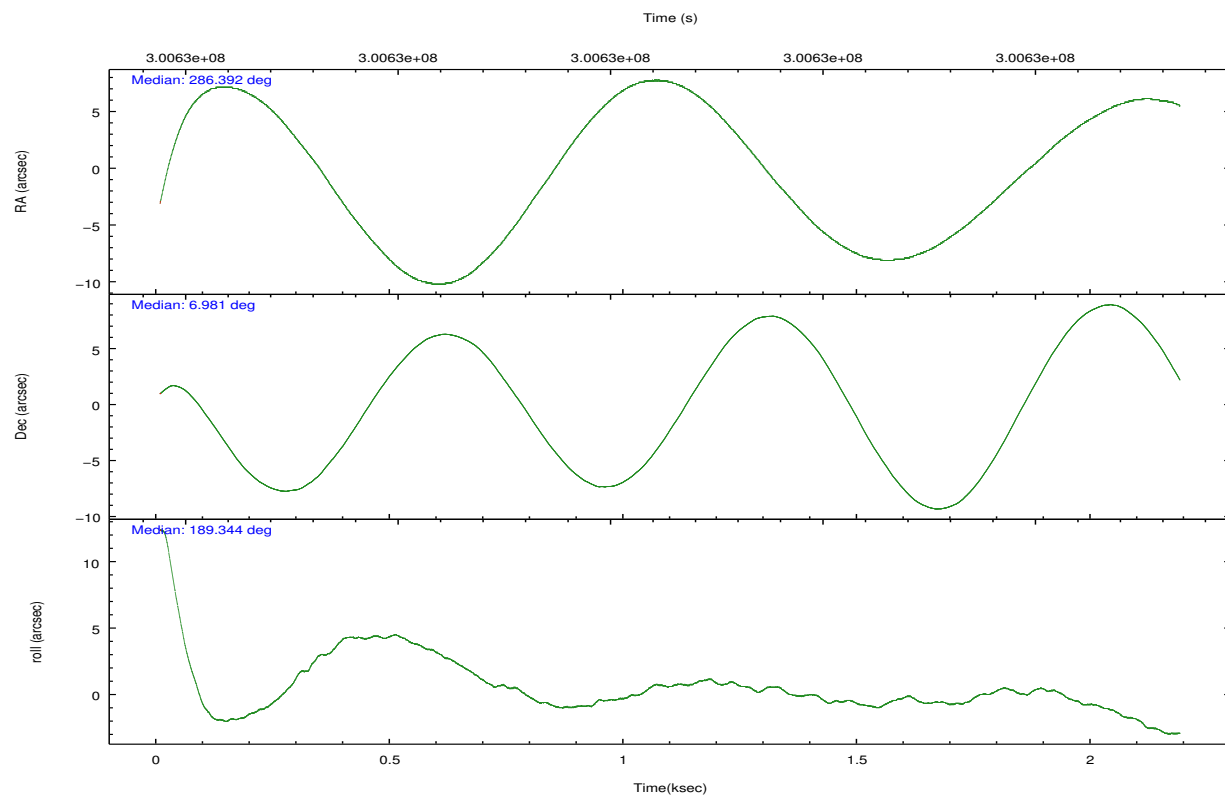
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	24061	23664	39181	25958	33931	32051	grade 0 events	1267	1320	2902	1241	1193	2250
rejected events	21680	21197	23580	23380	21905	25907		5%	5%	7%	4%	3%	7%
rejected %	90%	89%	60%	90%	64%	80%	grade 1 events	21	19	208	21	34	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	609	558	5139	657	2906	1581
								2%	2%	13%	2%	8%	4%
							grade 3 events	226	280	643	299	1206	777
								0%	1%	1%	1%	3%	2%
							grade 4 events	245	291	622	262	1196	678
								1%	1%	1%	1%	3%	2%
							grade 5 events	945	1102	2666	1139	3119	1526
								3%	4%	6%	4%	9%	4%
							grade 6 events	493	497	9174	607	7735	1857
								2%	2%	23%	2%	22%	5%
							grade 7 events	20255	19597	17827	21732	16542	23359
								84%	82%	45%	83%	48%	72%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	286.412382	286.3914550363775	CCD I2 on	O2	Y
[deg] Pointing Dec	6.998447	6.980793216934583	CCD I3 on	O3	Y
[deg] Pointing Roll	189.190202	189.3494828468608	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	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	O4	Y
[s] Observation start time (MET)	300629730.184000	300628461.97237	CCD S5 on	N	N
Observation start date	2007-07-12T12:14:25	2007-07-12T11:54:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	300631730.184000	300632707.52258	On-chip summing requested	N	N
Observation end date	2007-07-12T12:47:45	2007-07-12T13:05:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



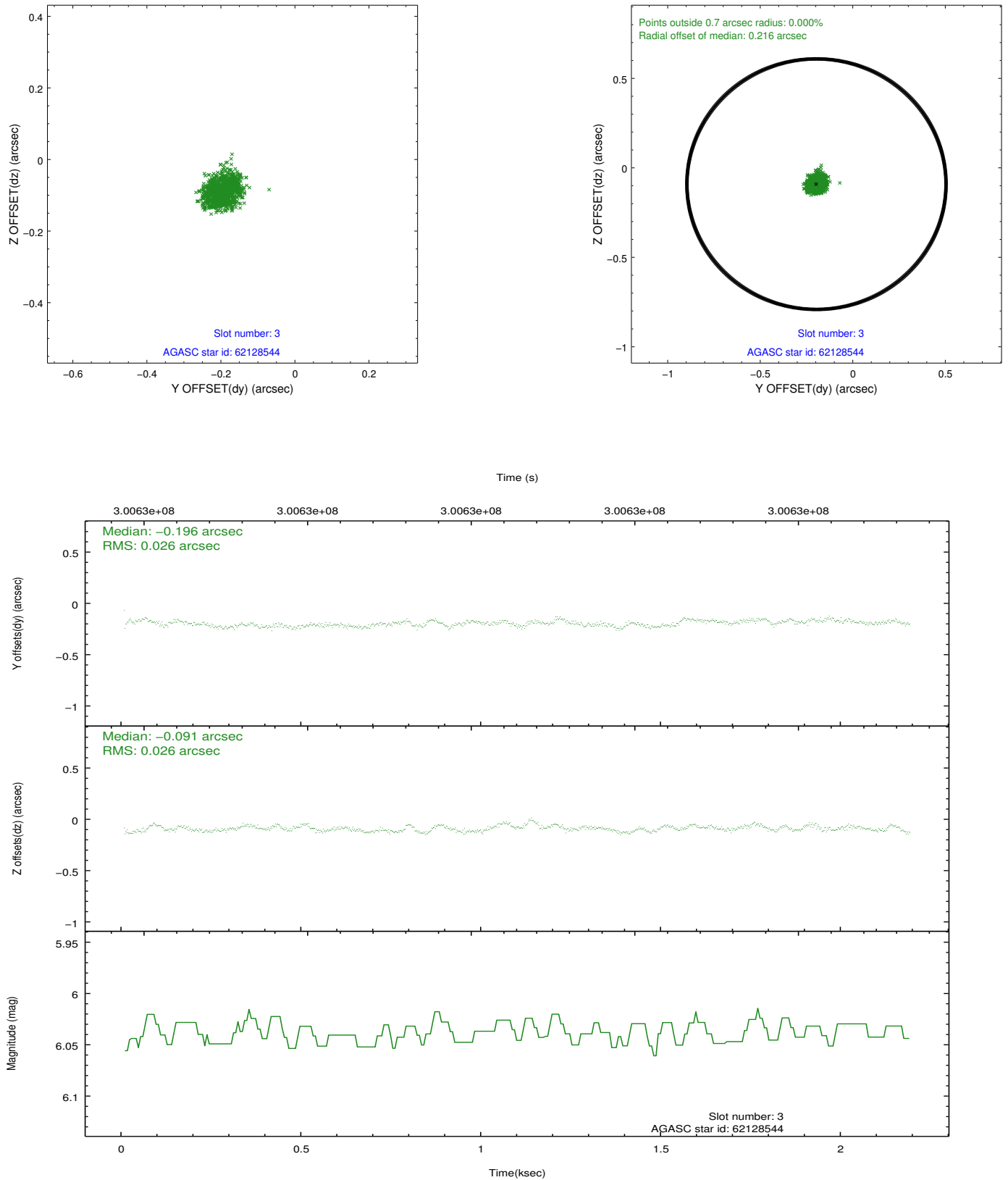


Slot Statistics

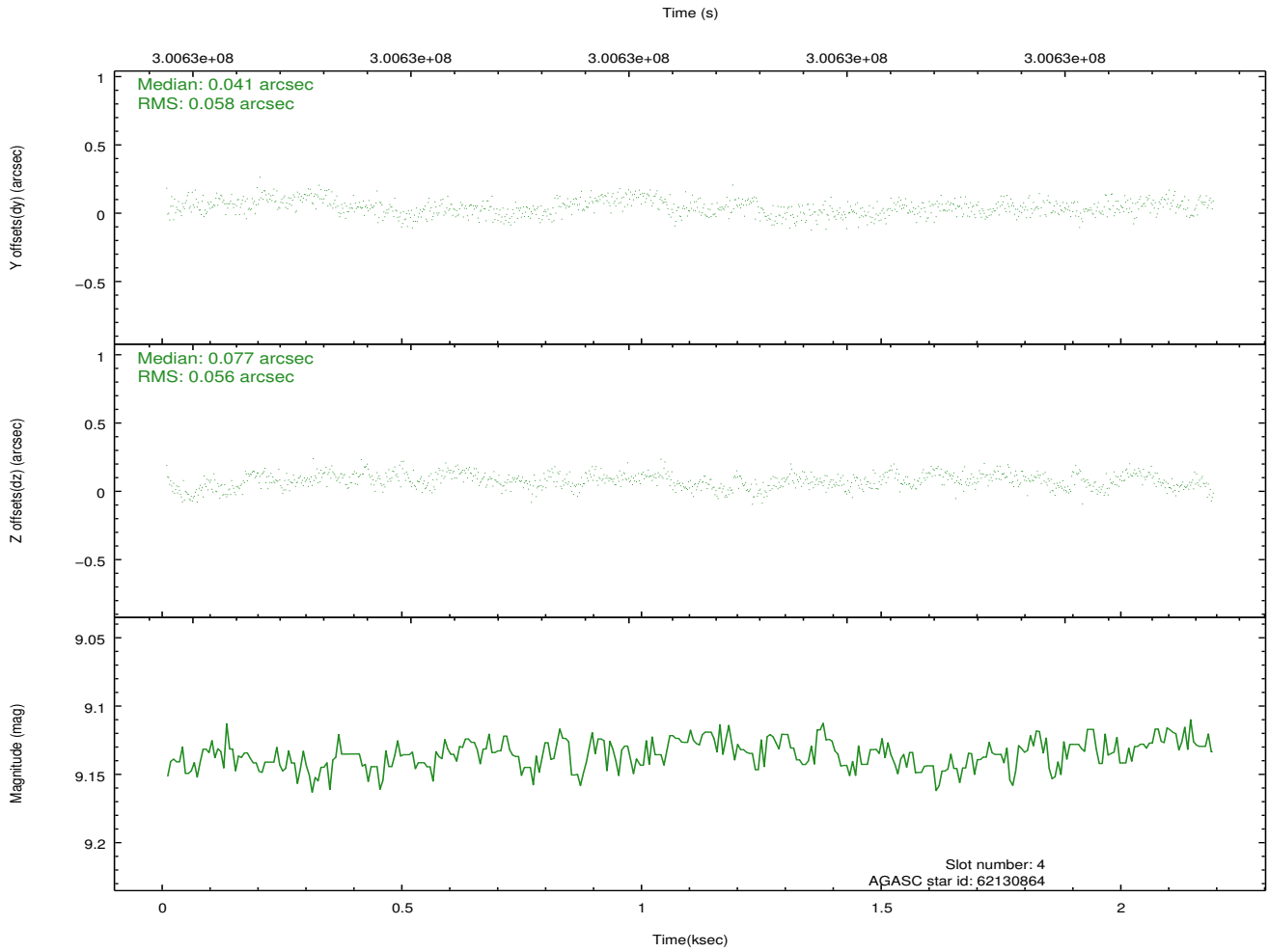
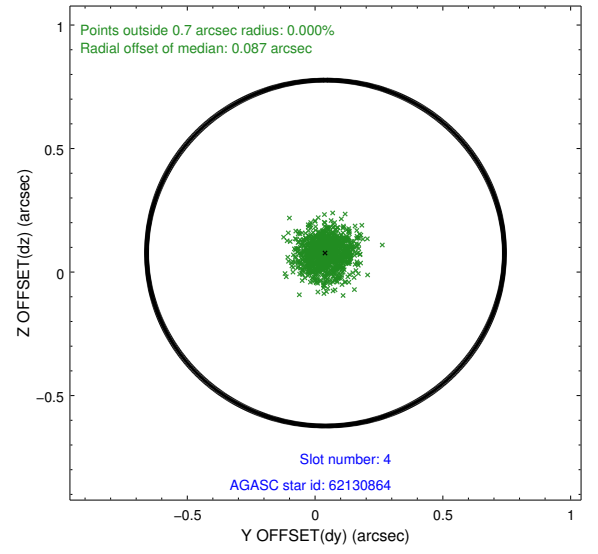
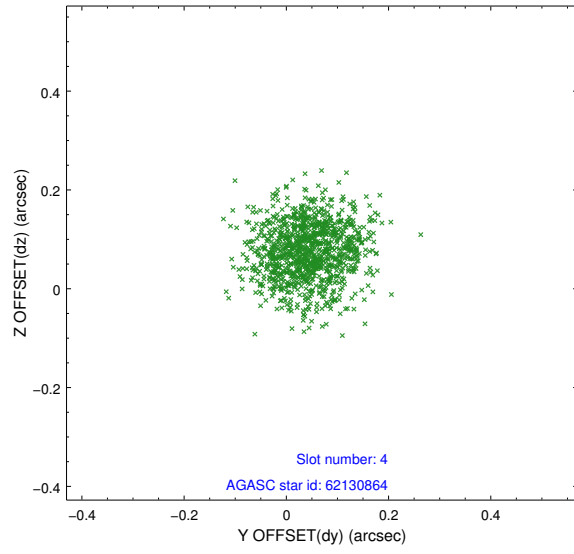
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	533	0.100	-0.052	0.006	0.010	0.000000	0.000000	929.69	-1730.74
1	FID	ACIS-S-5	7.23	533	-0.172	0.066	0.006	0.011	0.000000	0.000000	-1817.93	163.84
2	FID	ACIS-S-6	7.33	533	0.051	-0.002	0.007	0.011	0.000000	0.000000	391.94	811.12
3	GUIDE	62128544	6.04	1066	-0.196	-0.091	0.040	0.061	286.736928	7.151726	-1231.97	-360.13
4	GUIDE	62130864	9.14	1063	0.041	0.077	0.087	0.137	285.862553	6.339867	2320.13	2025.22
5	GUIDE	62134776	9.14	1066	0.119	-0.015	0.101	0.167	286.572119	6.645054	-357.72	1348.91
6	GUIDE	136321064	8.21	1066	0.038	-0.008	0.075	0.128	286.410554	7.667399	-376.99	-2376.68
7	GUIDE	136317256	9.39	1062	-0.007	0.042	0.133	0.215	286.656872	7.690932	-1258.71	-2324.14

2.4 Star Slots

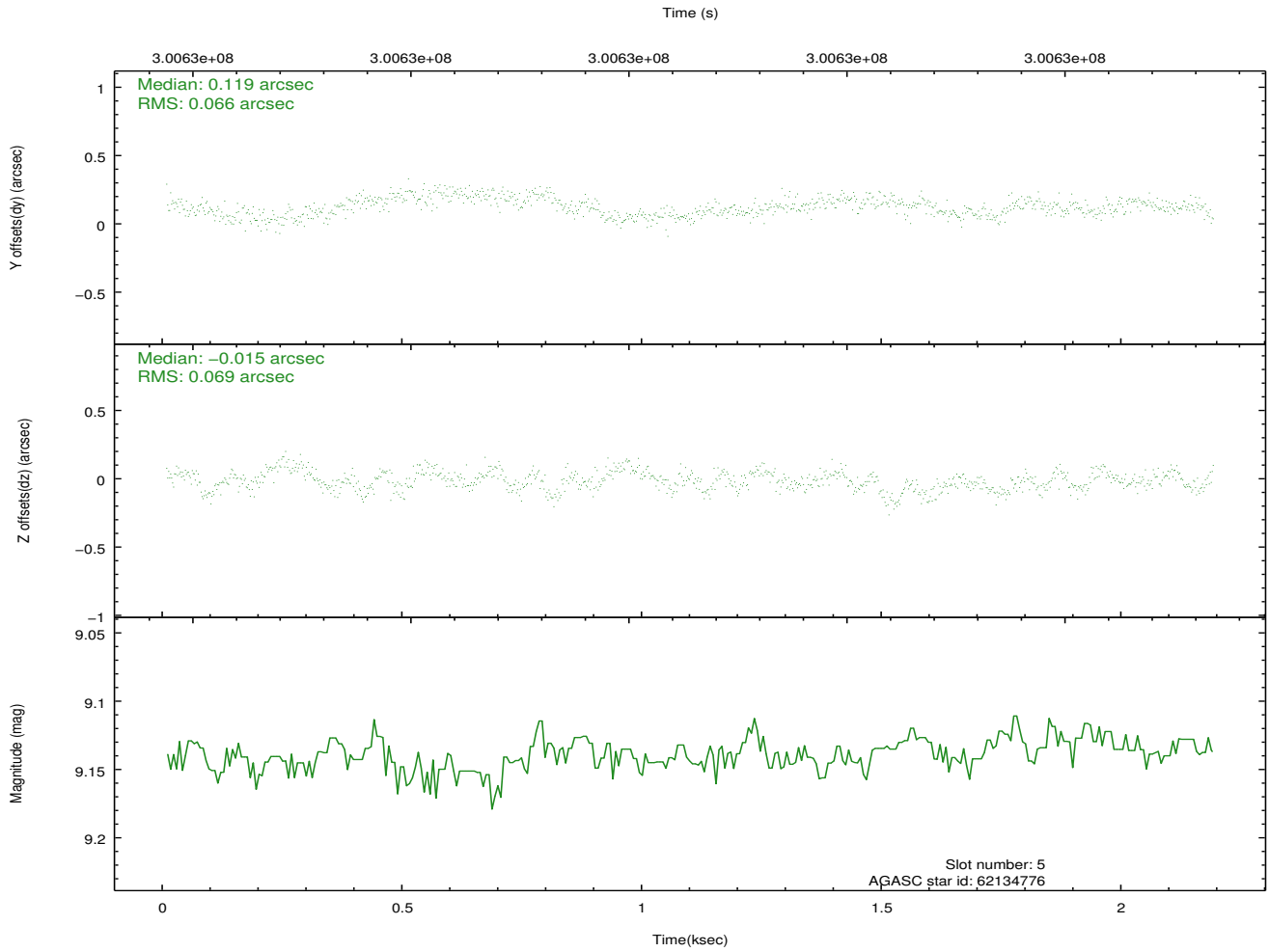
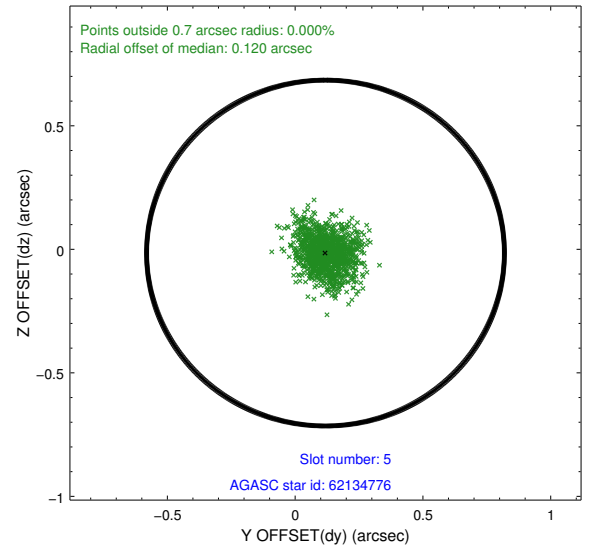
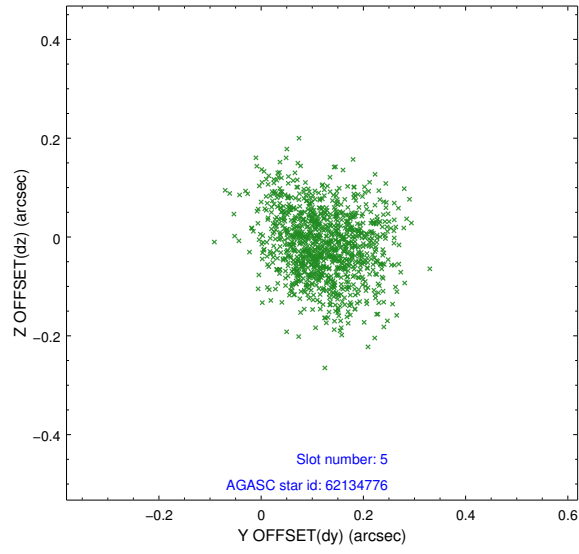
2.4.1 Slot 3



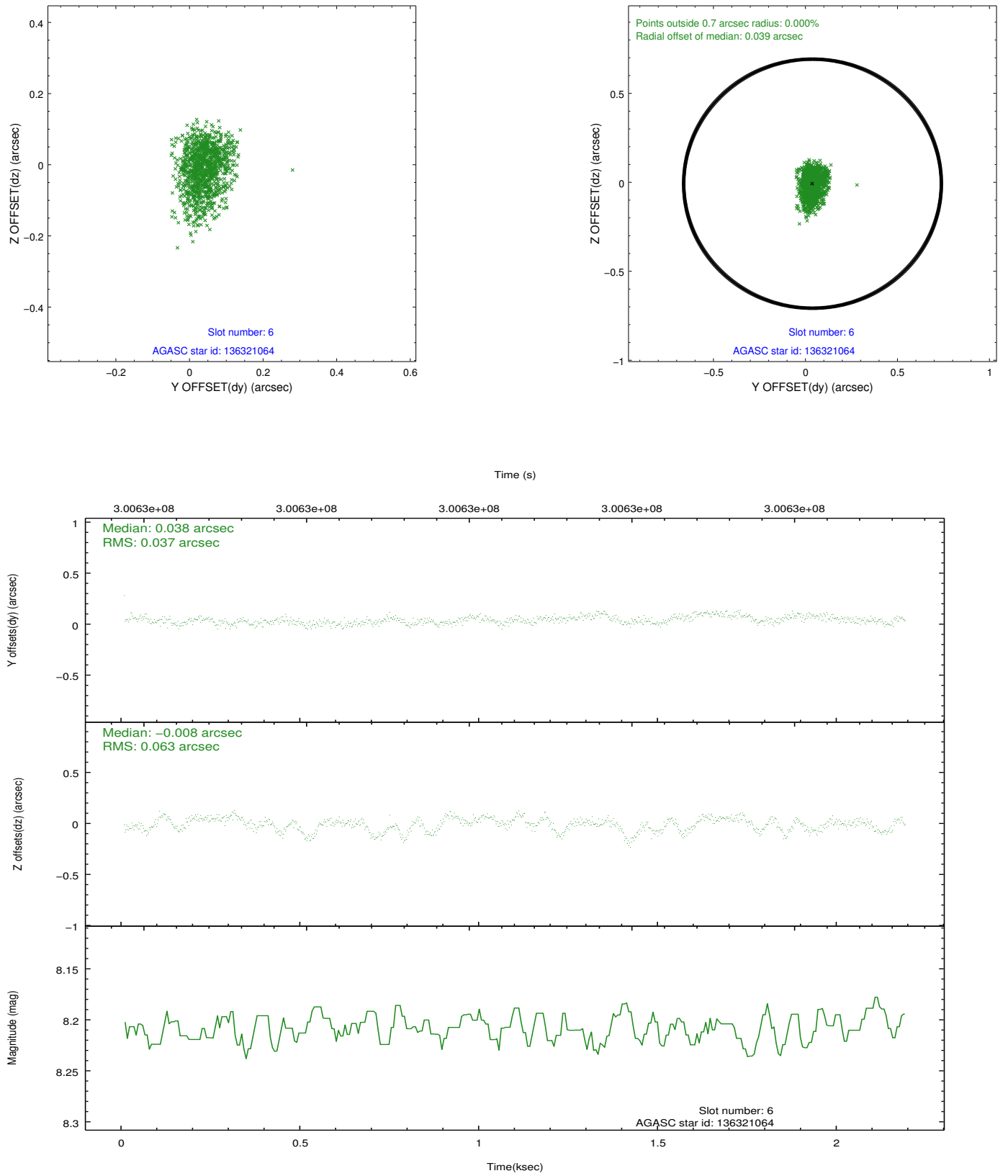
2.4.2 Slot 4



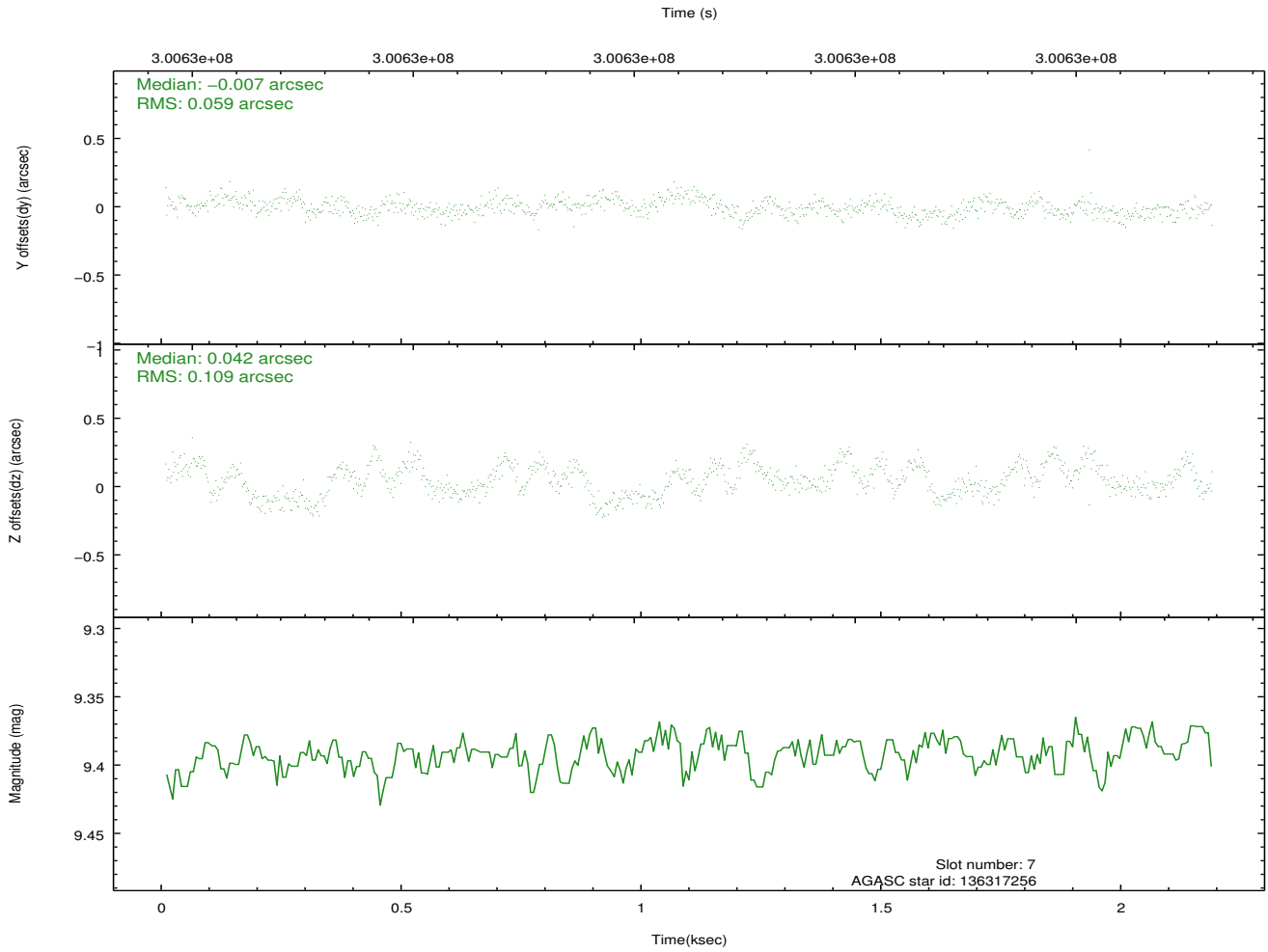
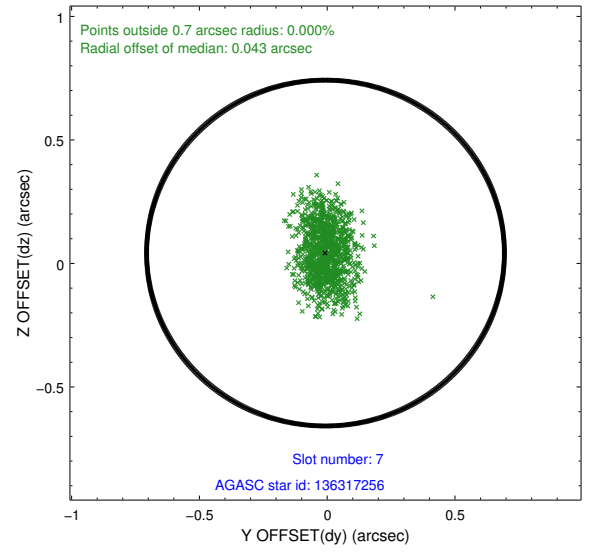
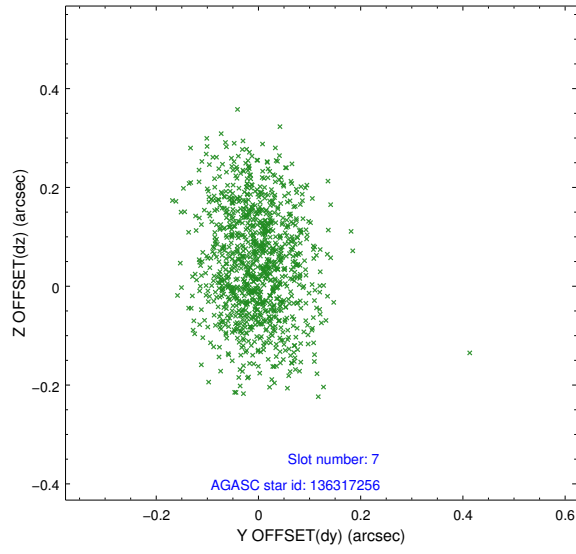
2.4.3 Slot 5



2.4.4 Slot 6

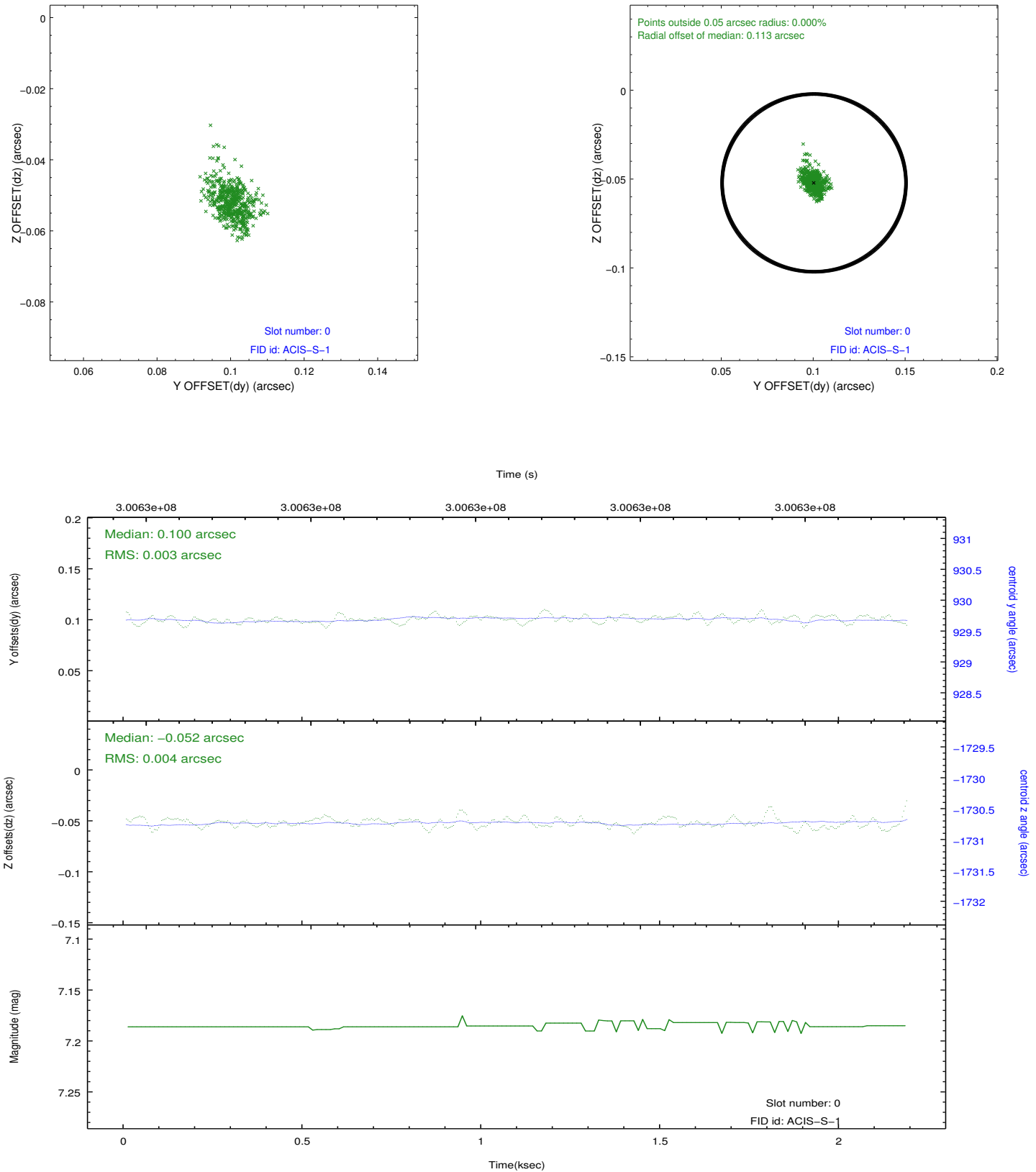


2.4.5 Slot 7

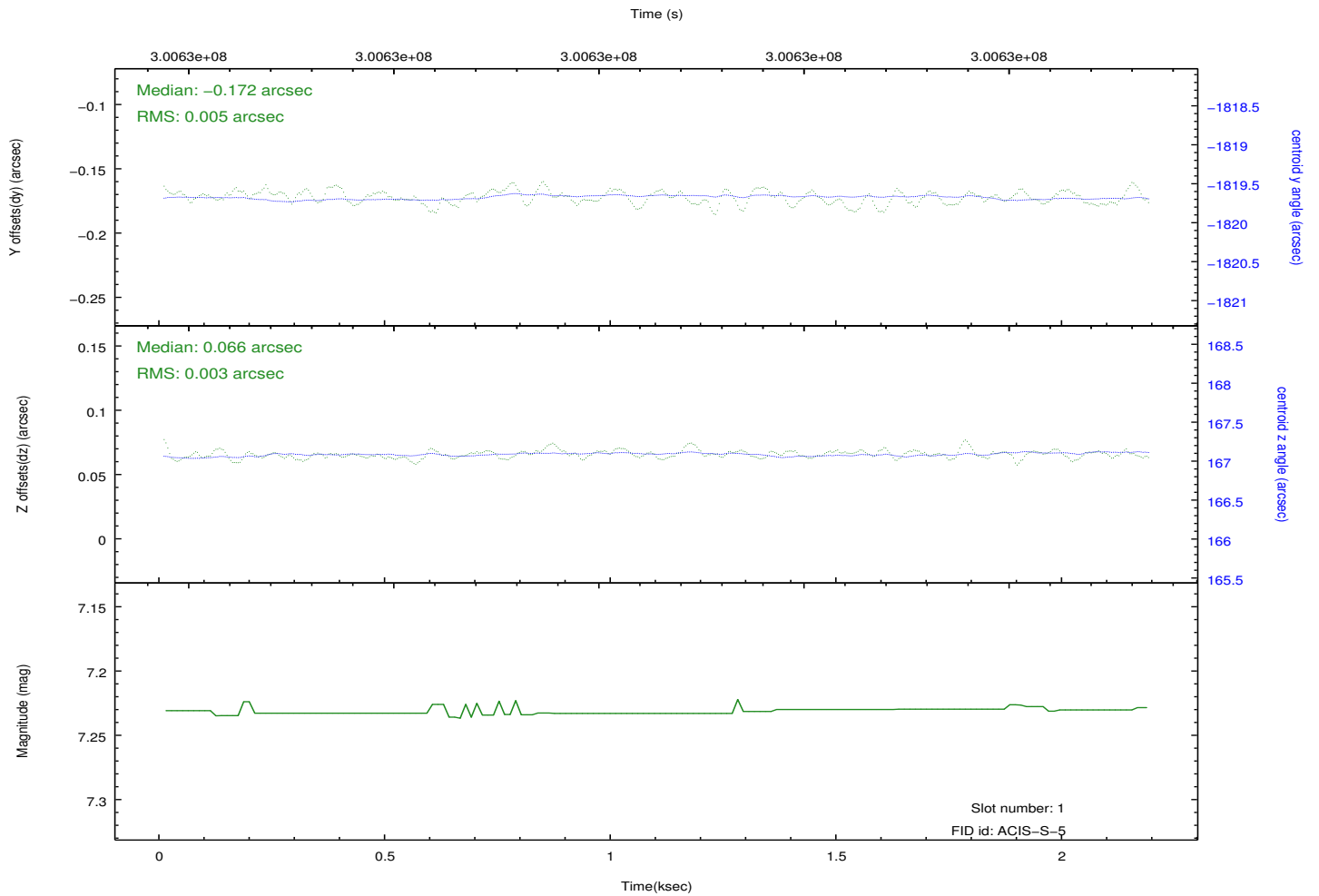
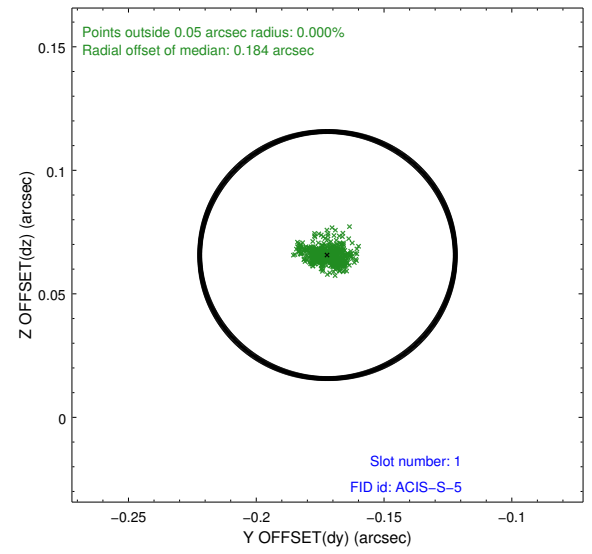
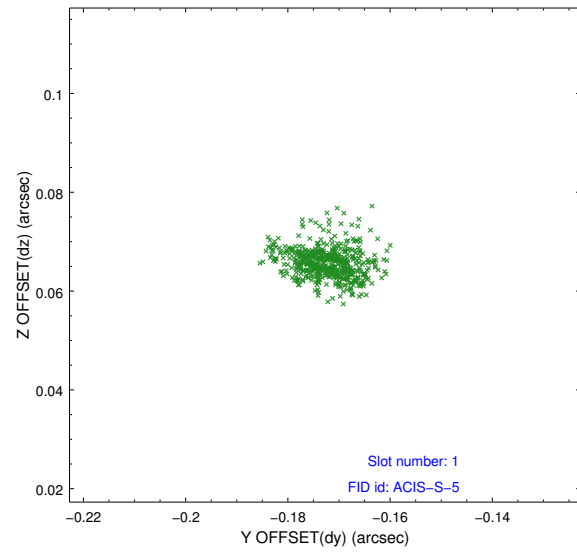


2.5 FID Slots

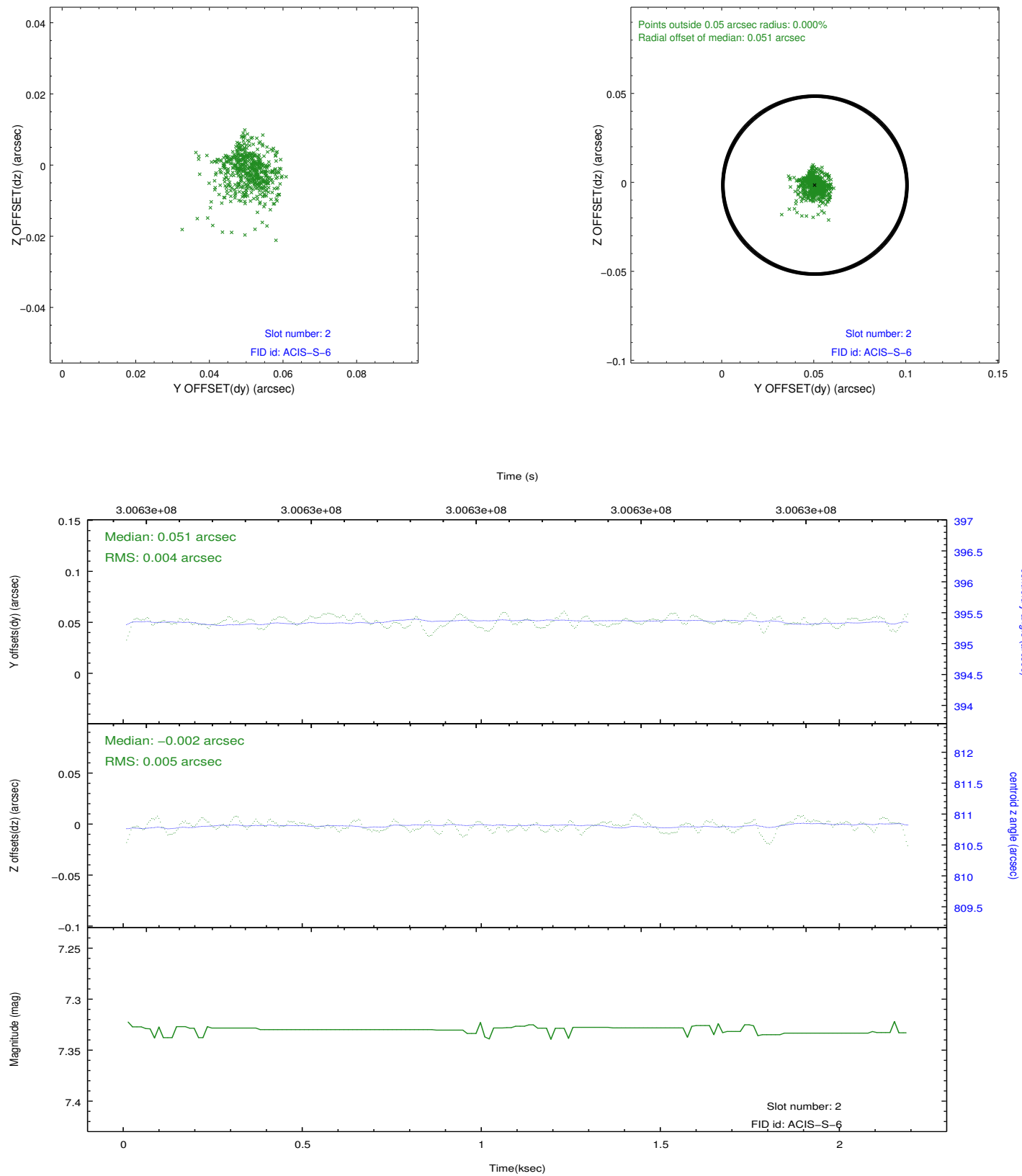
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17599999

A.2 Comments