

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9602 - L2 Version 2
Chandra X-Ray Center

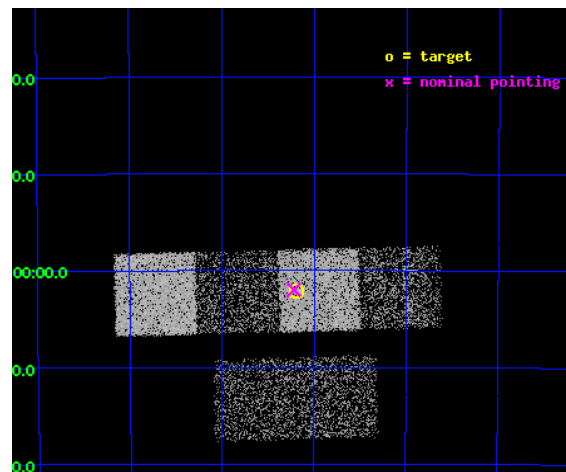
L2 Processing Date : May 15 2012

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1 Front

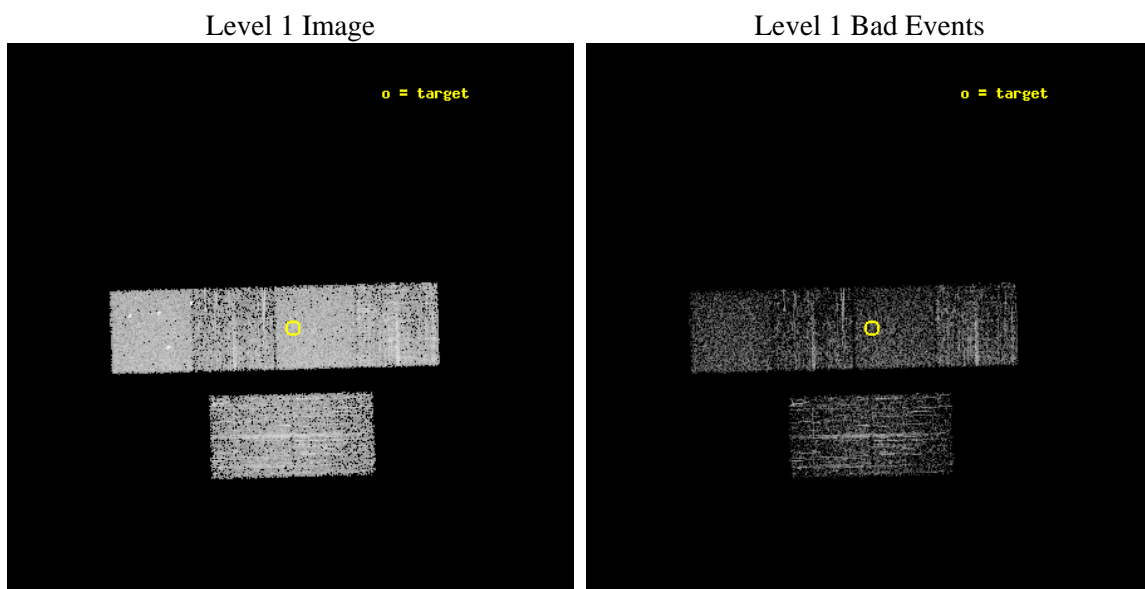
seq_num	900844	Sequence number
obs_id	9602	Observation id
title	GTO ChICAGO: Chandra Identification of Compact ASCA Galactic Objects	
observer	Dr. Stephen Murray	Principal investigator
object	AX J162011-5002	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	245.047917	Observer's specified target RA [deg]
dec_targ	-50.036	Observer's specified target Dec [deg]
ra_nom	245.05469217359	Nominal RA [deg]
dec_nom	-50.033318572327	Nominal Dec [deg]
roll_nom	358.44782722847	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1550.6463689804	Sum of GTIs [s]
livetime	1531.0111509692	Livetime [s]
ontime2	1550.6874089837	Sum of GTIs [s]
ontime3	1550.5232489705	Sum of GTIs [s]
ontime5	1550.6053289771	Sum of GTIs [s]
ontime6	1550.5642889738	Sum of GTIs [s]
ontime7	1550.6463689804	Sum of GTIs [s]
ontime8	1550.4822089672	Sum of GTIs [s]
l2events	25027	Number of level 2 events



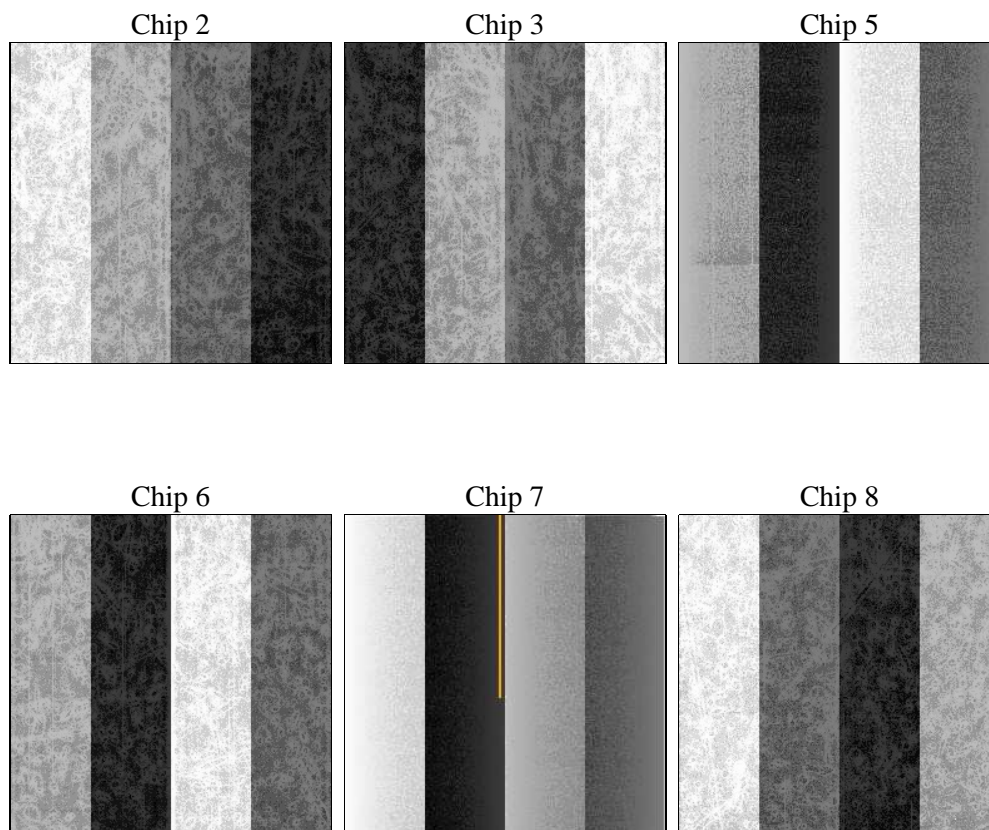
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1550.6463689804	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1550.6874089837	Sum of GTIs [s]
date	2012-05-15T15:24:58	Date and time of file creation	ontime3	1550.5232489705	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1550.6053289771	Sum of GTIs [s]
			ontime6	1550.5642889738	Sum of GTIs [s]
			ontime7	1550.6463689804	Sum of GTIs [s]
			ontime8	1550.4822089672	Sum of GTIs [s]
			l1events	108018	Number of level 1 events

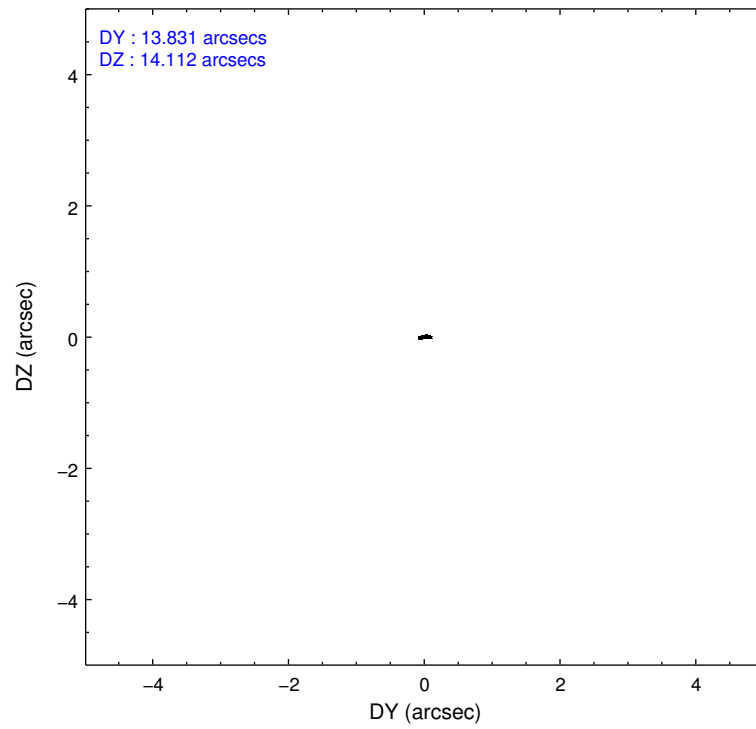
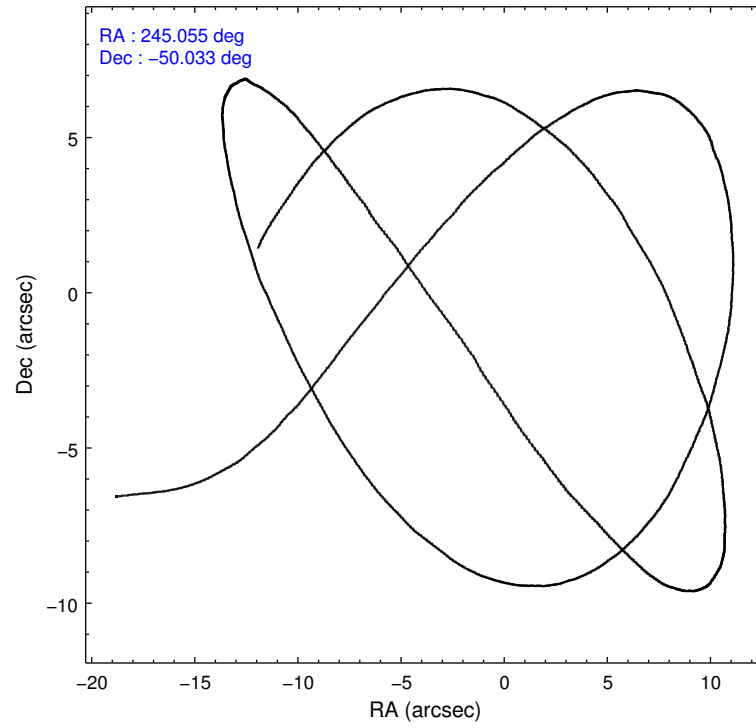
2.1.4 Events

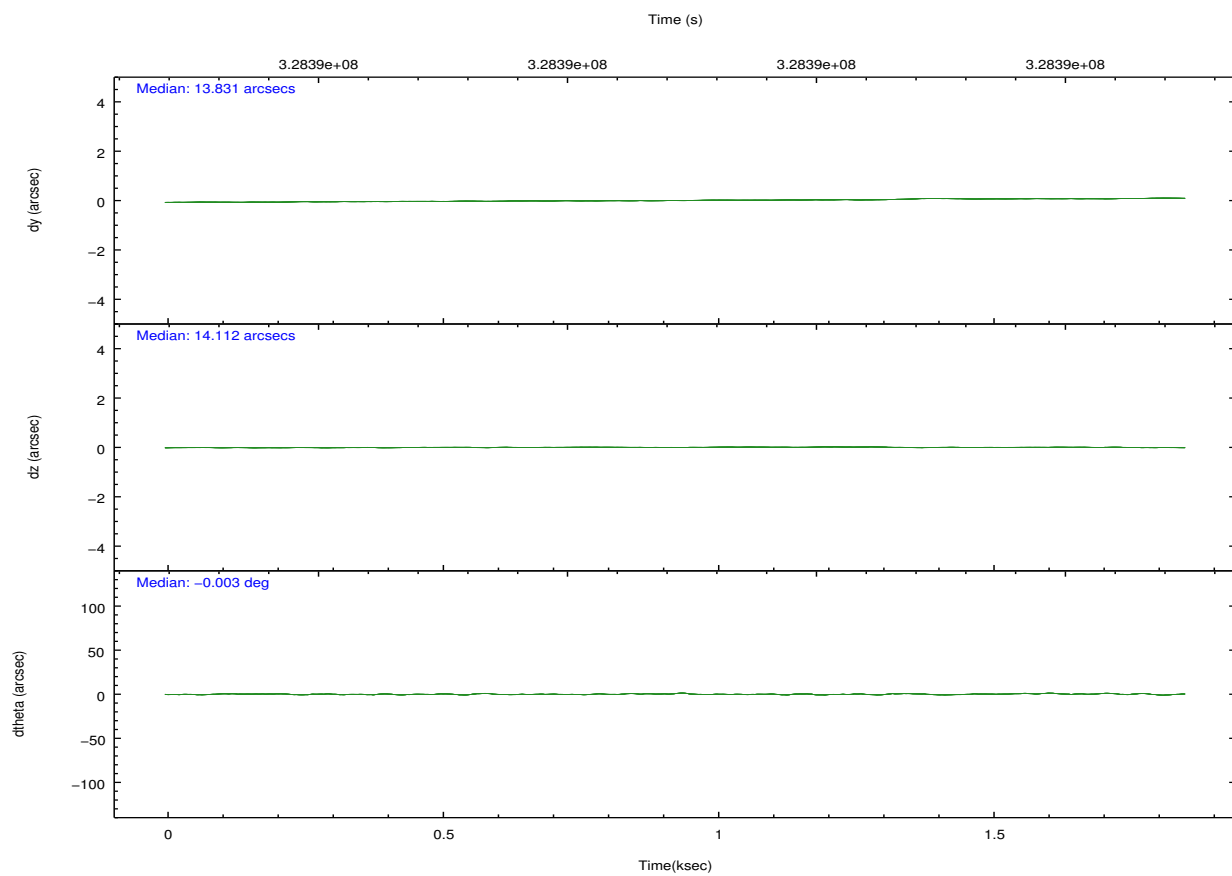
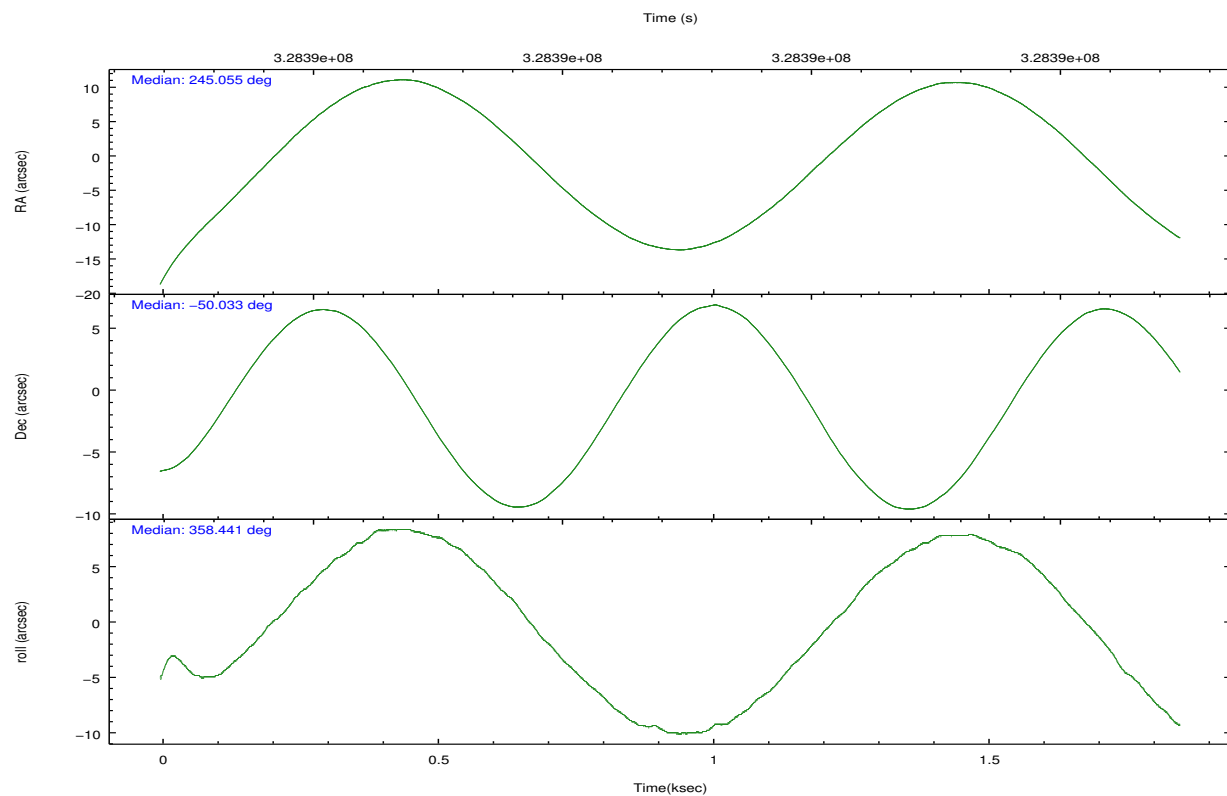
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15101	13963	23334	14128	21138	20354	grade 0 events	795	798	1278	753	776	1486
rejected events	13269	12209	12467	12279	12440	15728		5%	5%	5%	5%	3%	7%
rejected %	87%	87%	53%	86%	58%	77%	grade 1 events	16	16	57	7	19	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	413	339	3305	436	1843	1036
								2%	2%	14%	3%	8%	5%
							grade 3 events	163	195	397	168	712	509
								1%	1%	1%	1%	3%	2%
							grade 4 events	147	156	373	158	729	408
								0%	1%	1%	1%	3%	2%
							grade 5 events	561	657	1594	690	1970	938
								3%	4%	6%	4%	9%	4%
							grade 6 events	317	275	5562	346	4674	1196
								2%	1%	23%	2%	22%	5%
							grade 7 events	12689	11527	10768	11570	10415	14765
								84%	82%	46%	81%	49%	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	245.017278	245.0546921735861	CCD I2 on	O2	Y
[deg] Pointing Dec	-50.046909	-50.03331857232732	CCD I3 on	O3	Y
[deg] Pointing Roll	358.262466	358.4478272284678	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	328392536.184000	328391539.51551	CCD S5 on	N	N
Observation start date	2008-05-28T20:07:51	2008-05-28T19:52:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328394136.184000	328395163.91569	On-chip summing requested	N	N
Observation end date	2008-05-28T20:34:31	2008-05-28T20:52:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



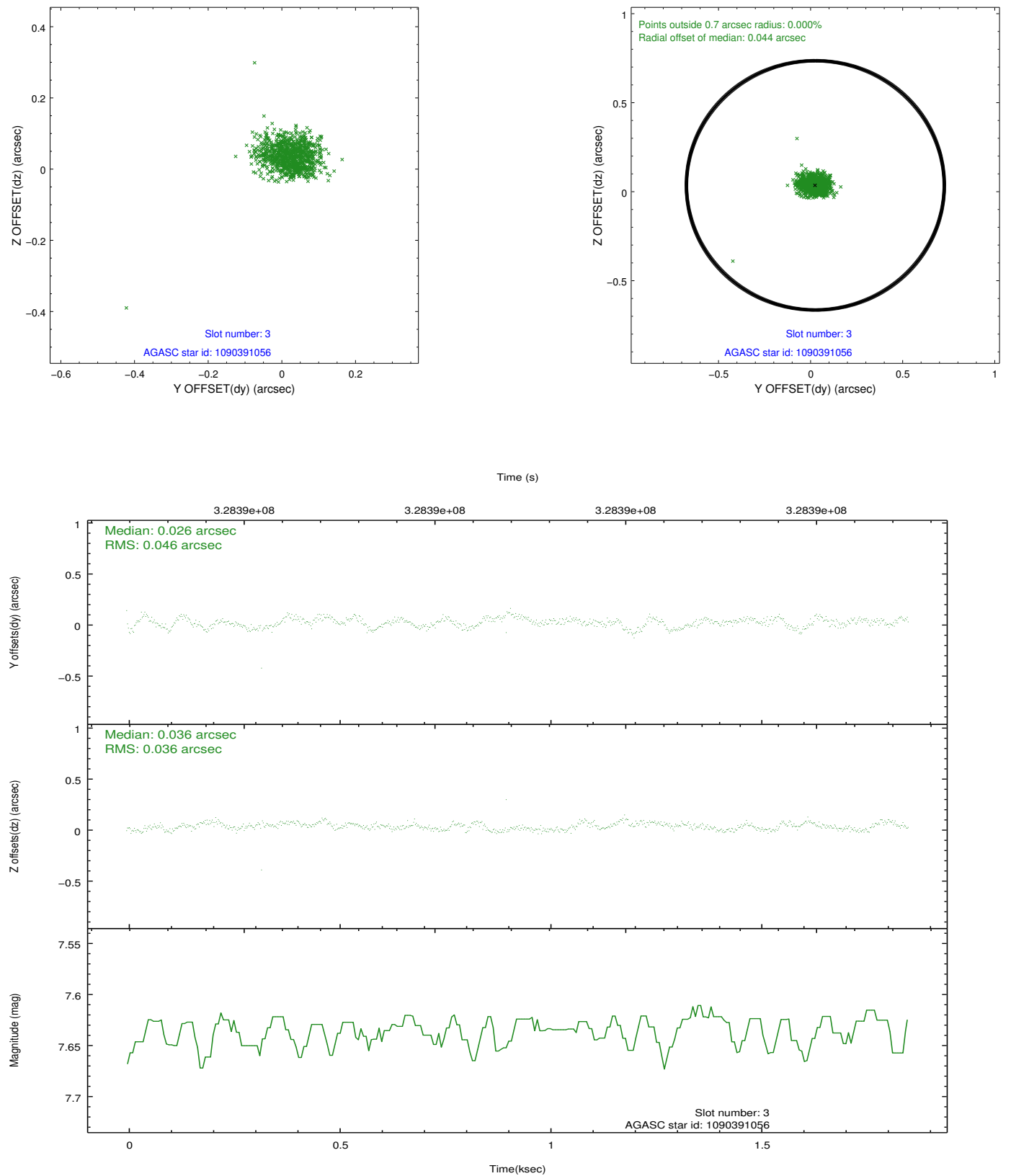


Slot Statistics

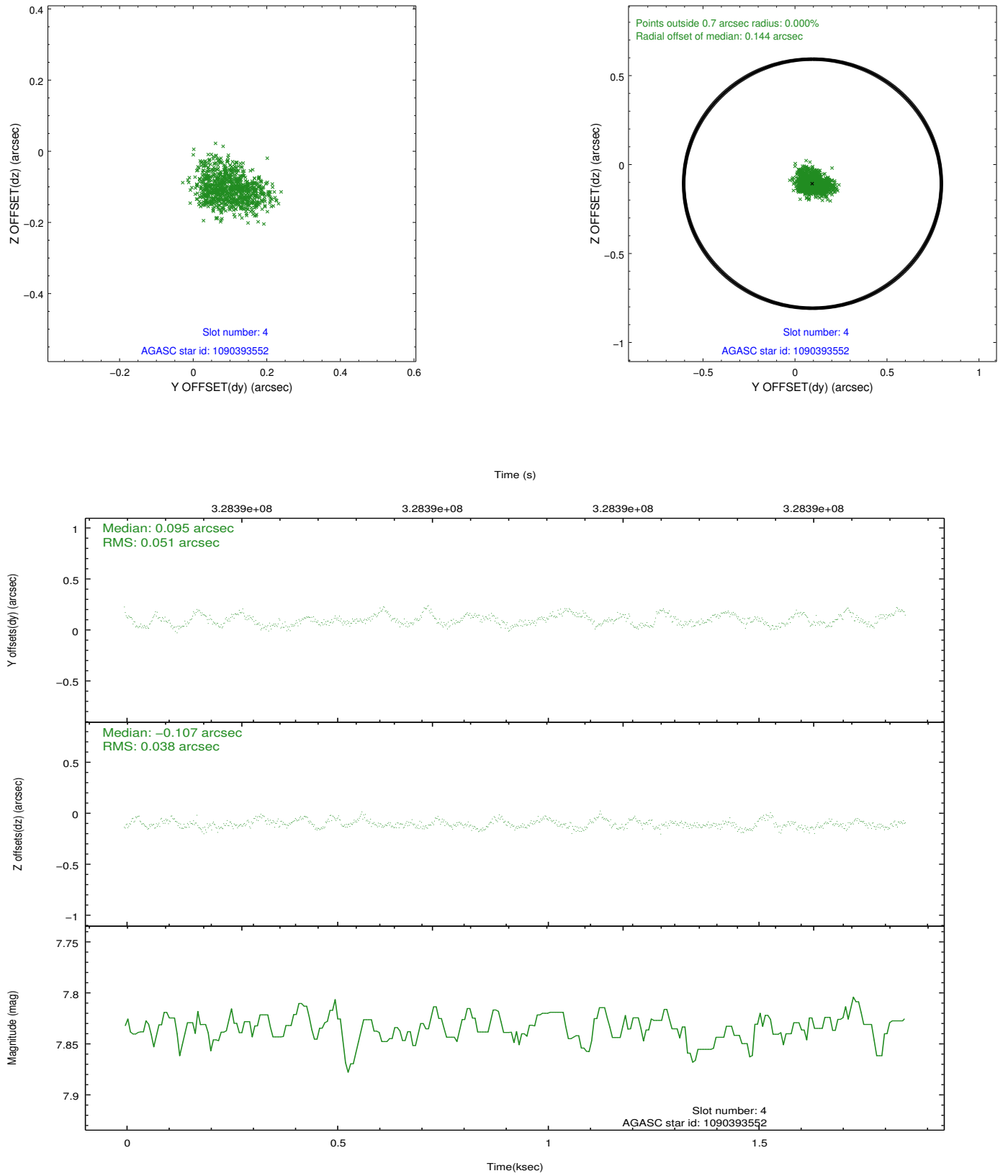
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	452	0.032	0.027	0.007	0.011	0.000000	0.000000	929.23	-1731.05
1	FID	ACIS-S-2	6.89	452	-0.122	-0.062	0.006	0.010	0.000000	0.000000	-764.86	-1739.30
2	FID	ACIS-S-4	6.96	452	0.064	0.041	0.007	0.010	0.000000	0.000000	2144.94	169.40
3	GUIDE	1090391056	7.64	905	0.026	0.036	0.057	0.095	244.221245	-49.856754	-1867.56	617.10
4	GUIDE	1090393552	7.83	905	0.095	-0.107	0.069	0.106	244.664084	-49.413876	-898.42	2250.48
5	GUIDE	1090520992	7.47	905	-0.101	-0.053	0.054	0.088	245.489527	-49.662443	1056.59	1415.07
6	GUIDE	1090525744	8.20	903	0.004	0.159	0.064	0.107	245.649389	-50.543894	1500.94	-1749.79
7	GUIDE	1090531048	8.40	904	-0.024	-0.034	0.067	0.112	246.008201	-50.442227	2315.96	-1371.28

2.4 Star Slots

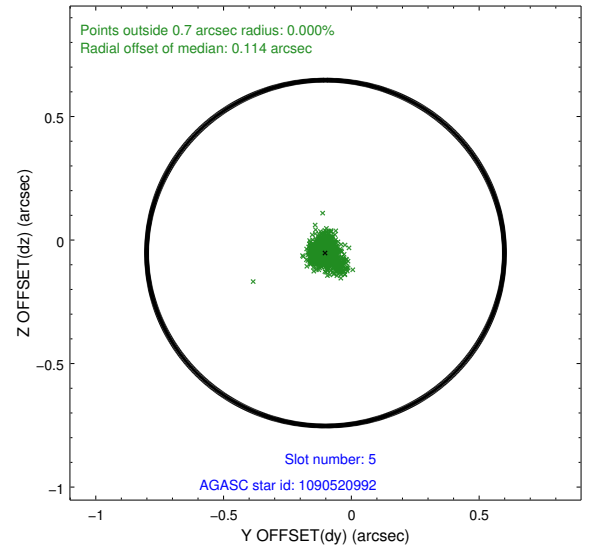
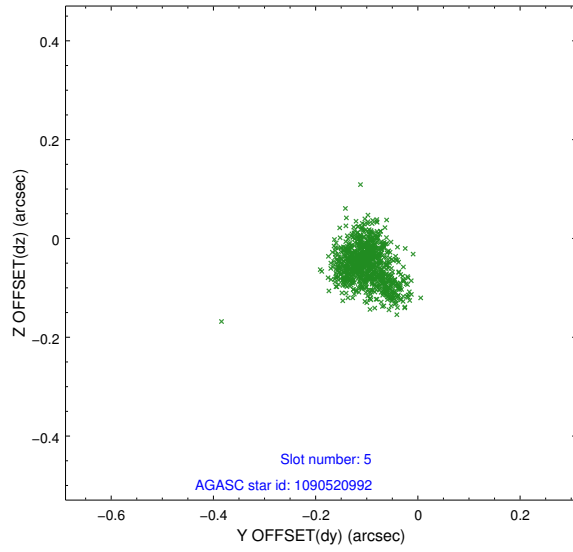
2.4.1 Slot 3



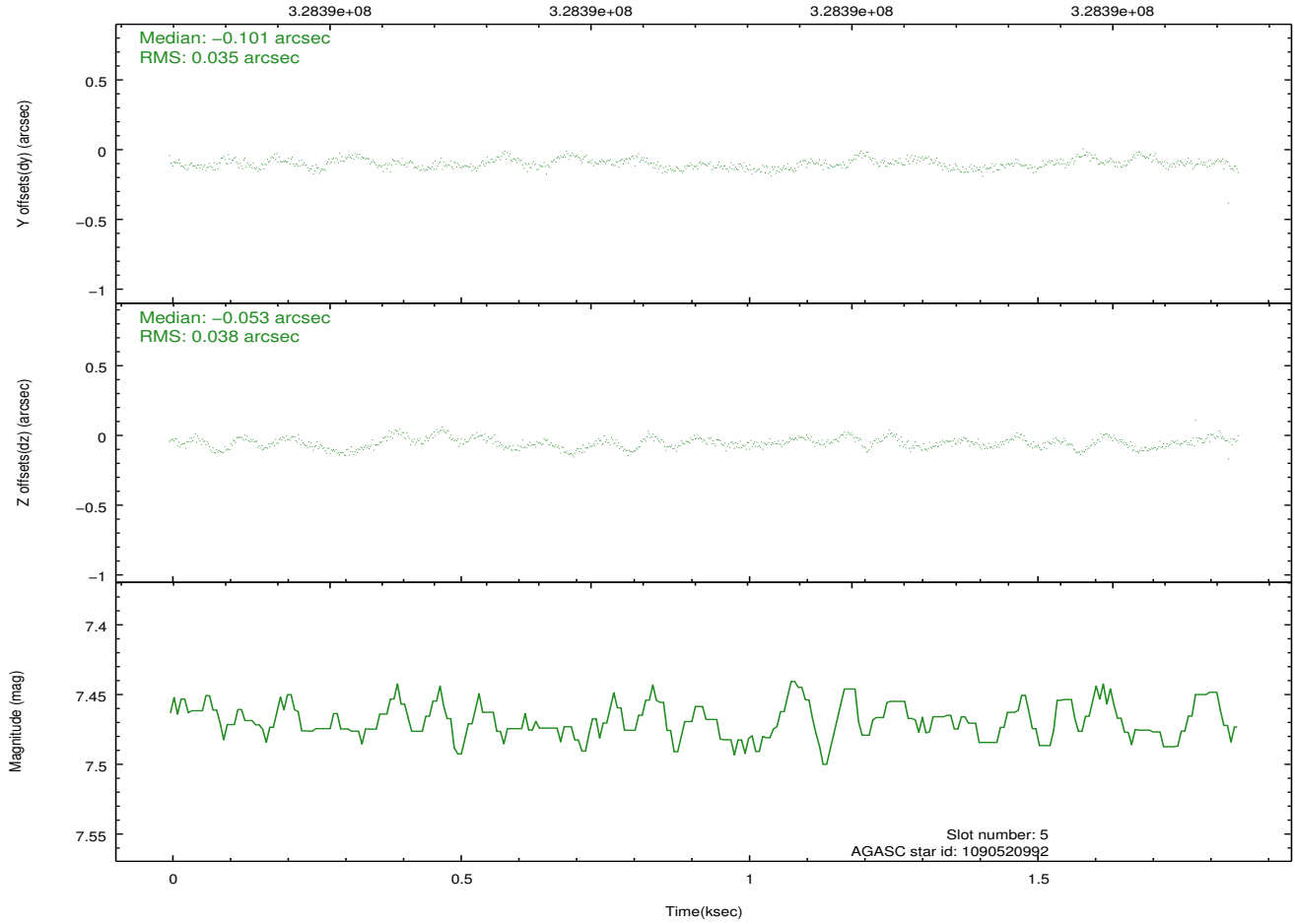
2.4.2 Slot 4



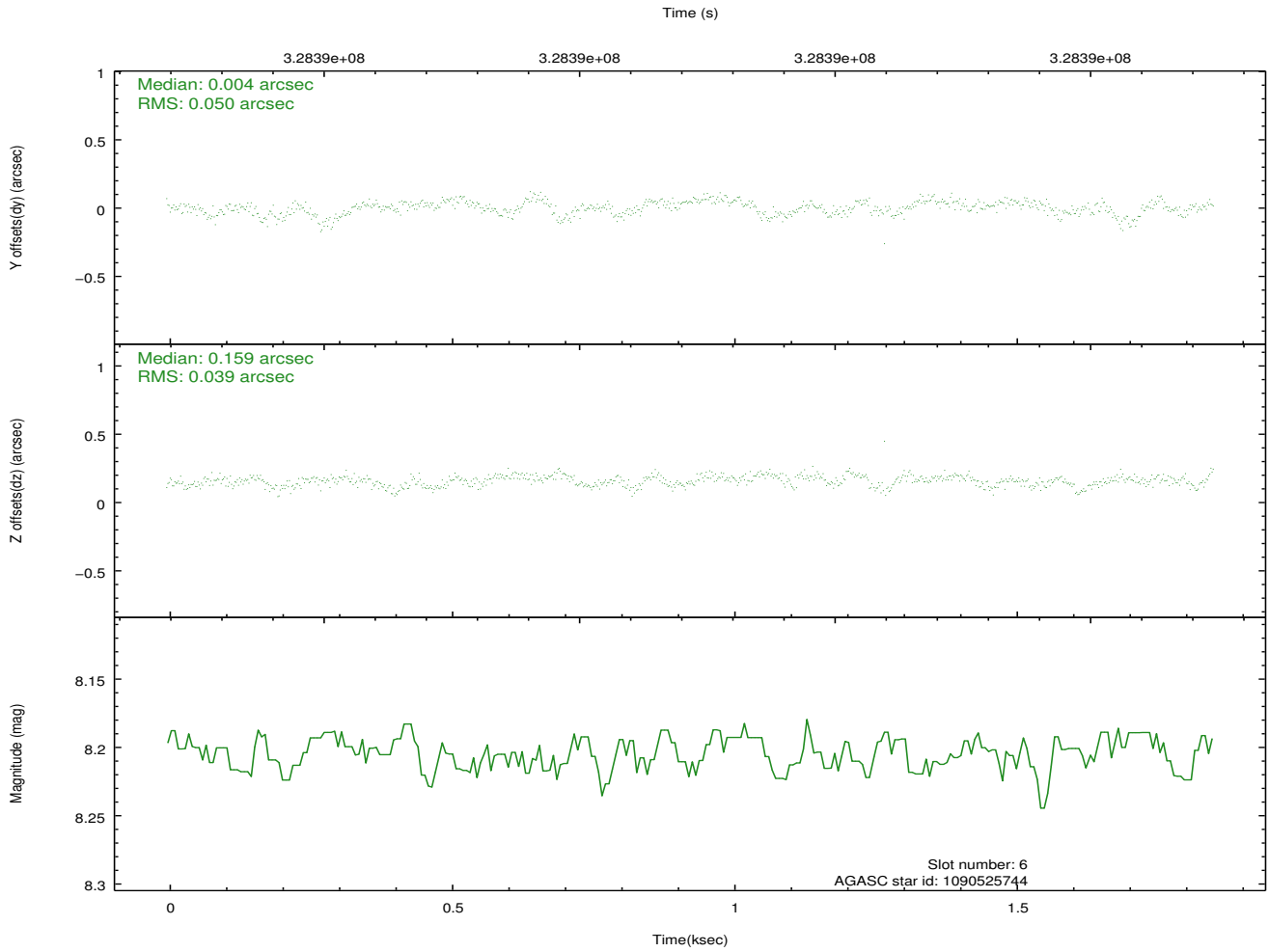
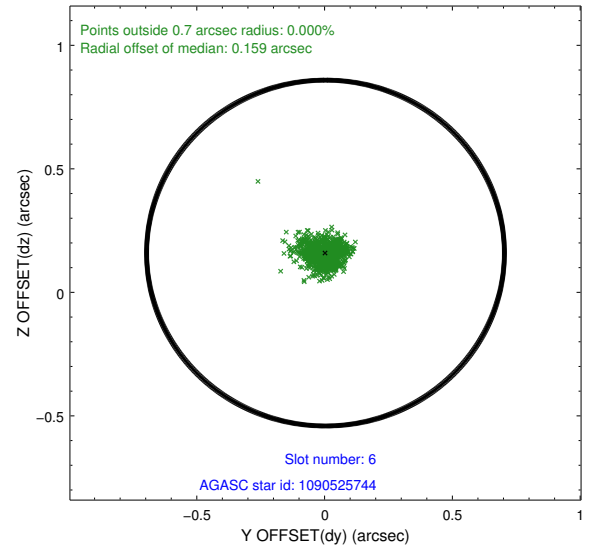
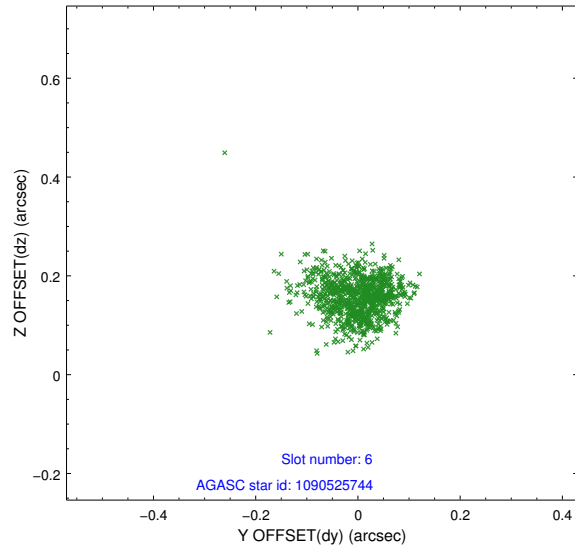
2.4.3 Slot 5



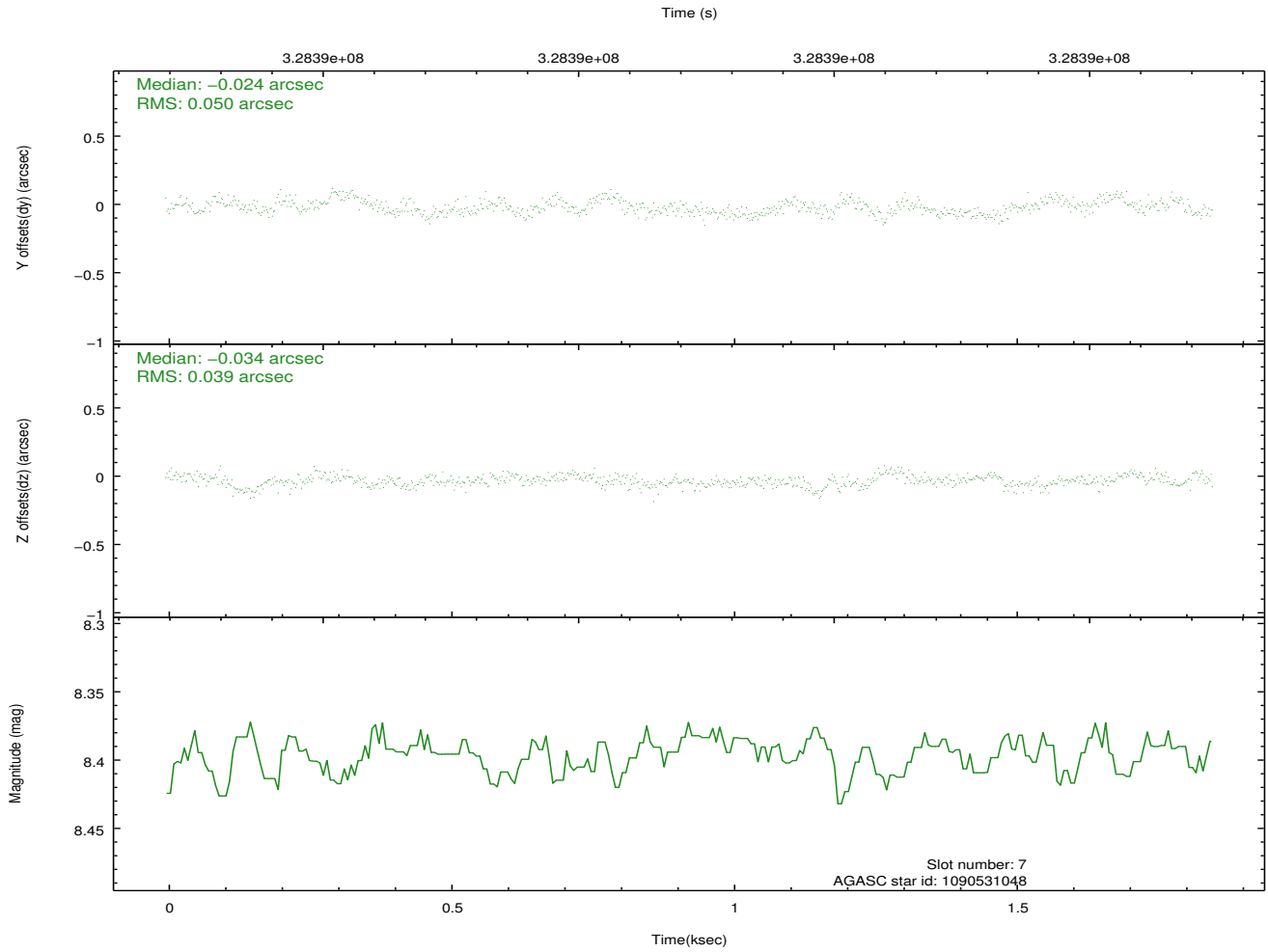
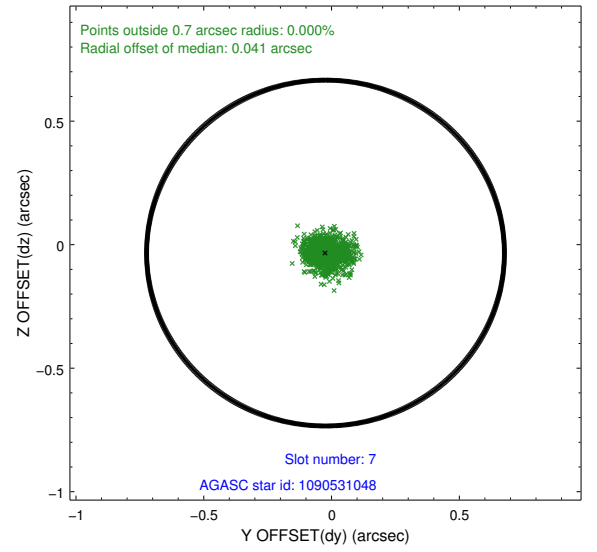
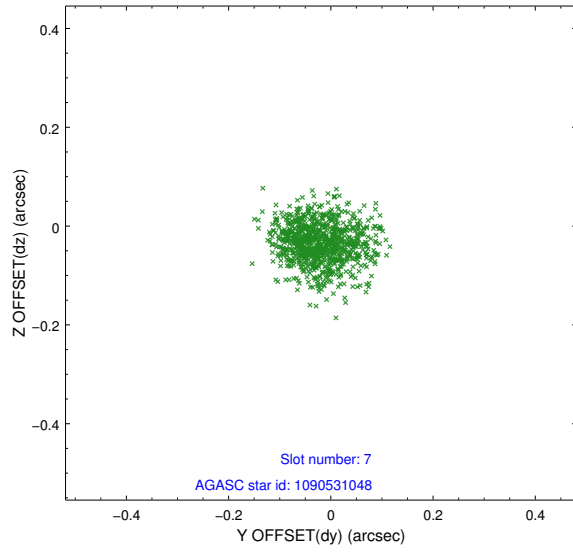
Time (s)



2.4.4 Slot 6

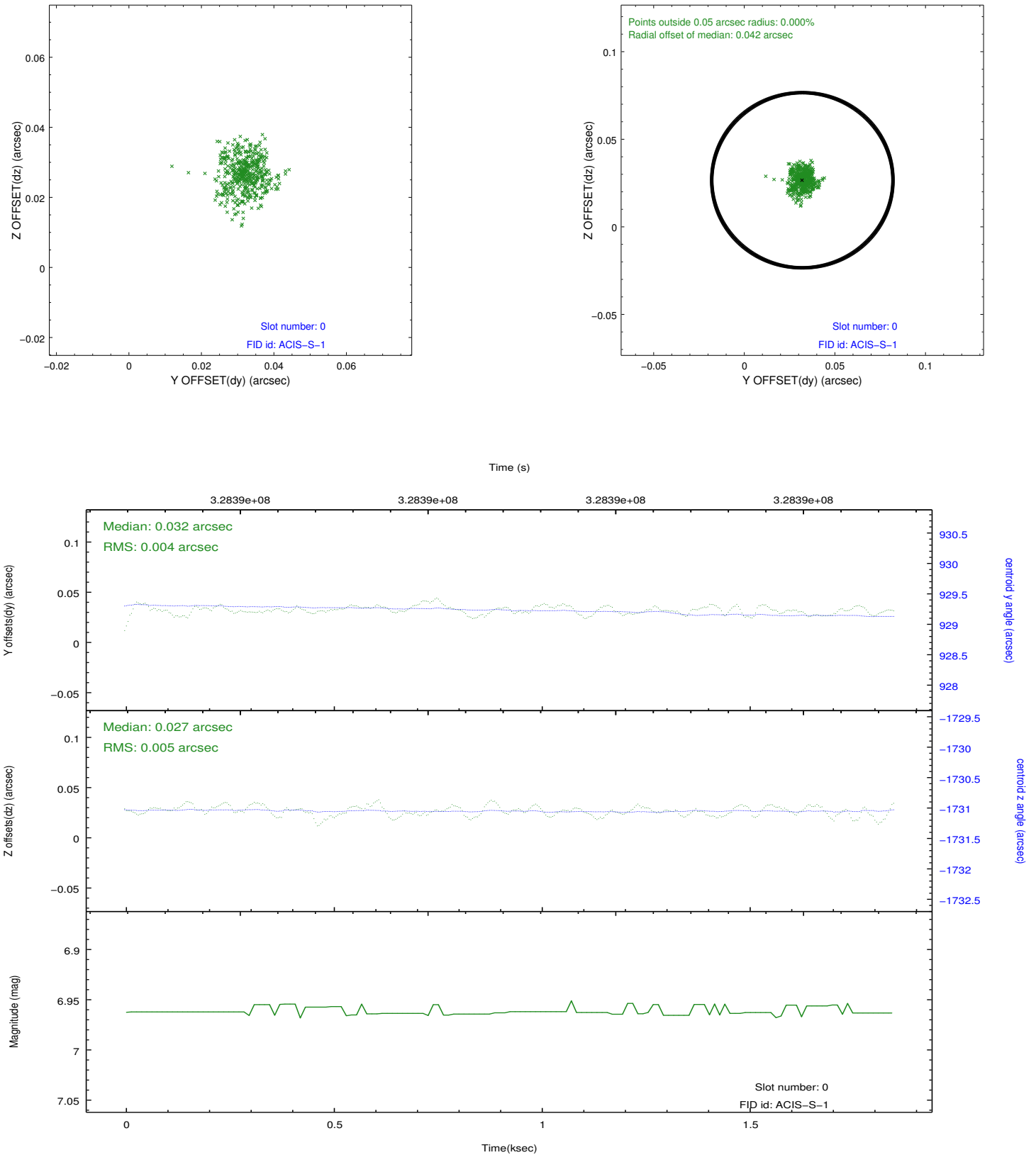


2.4.5 Slot 7

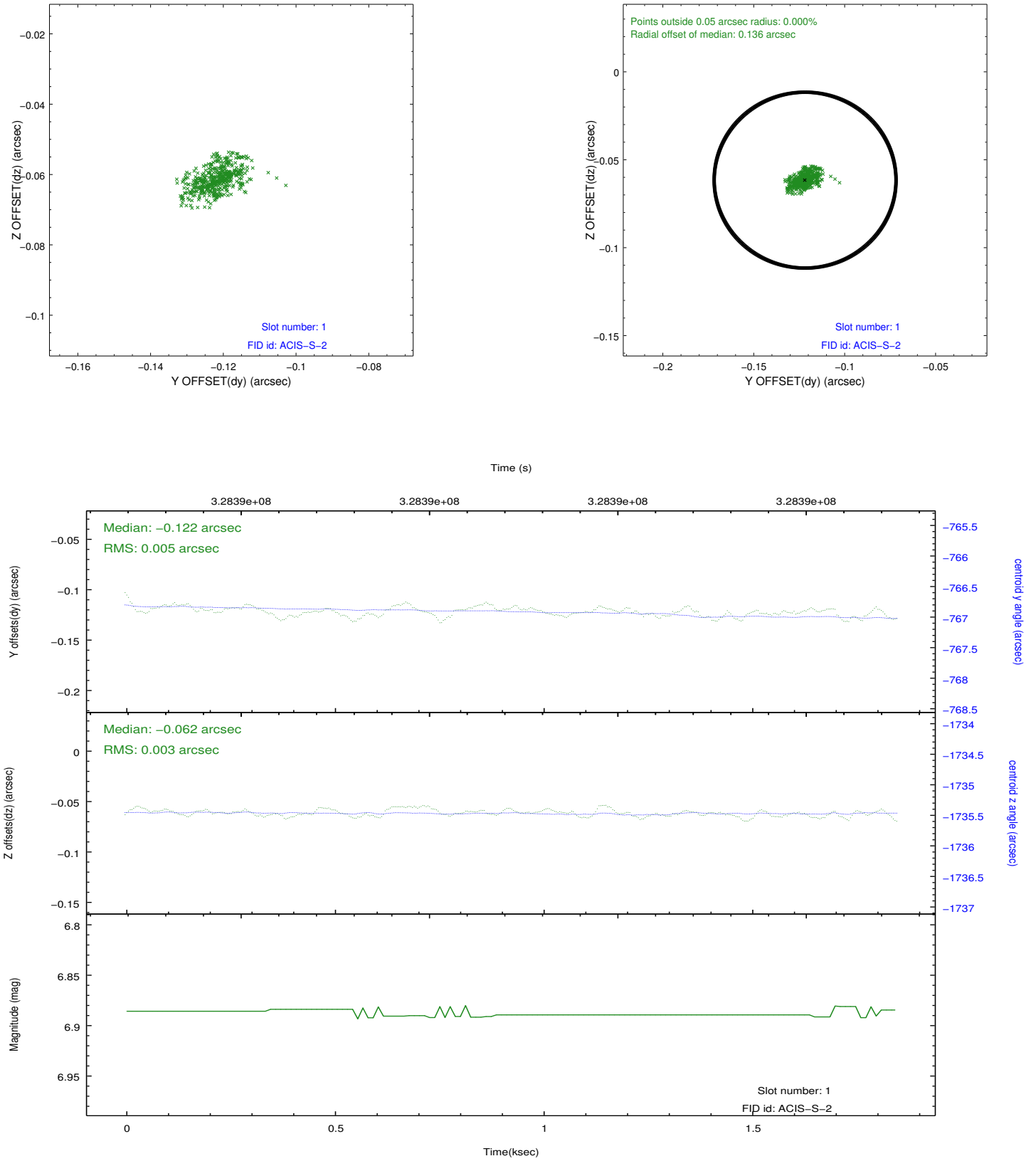


2.5 FID Slots

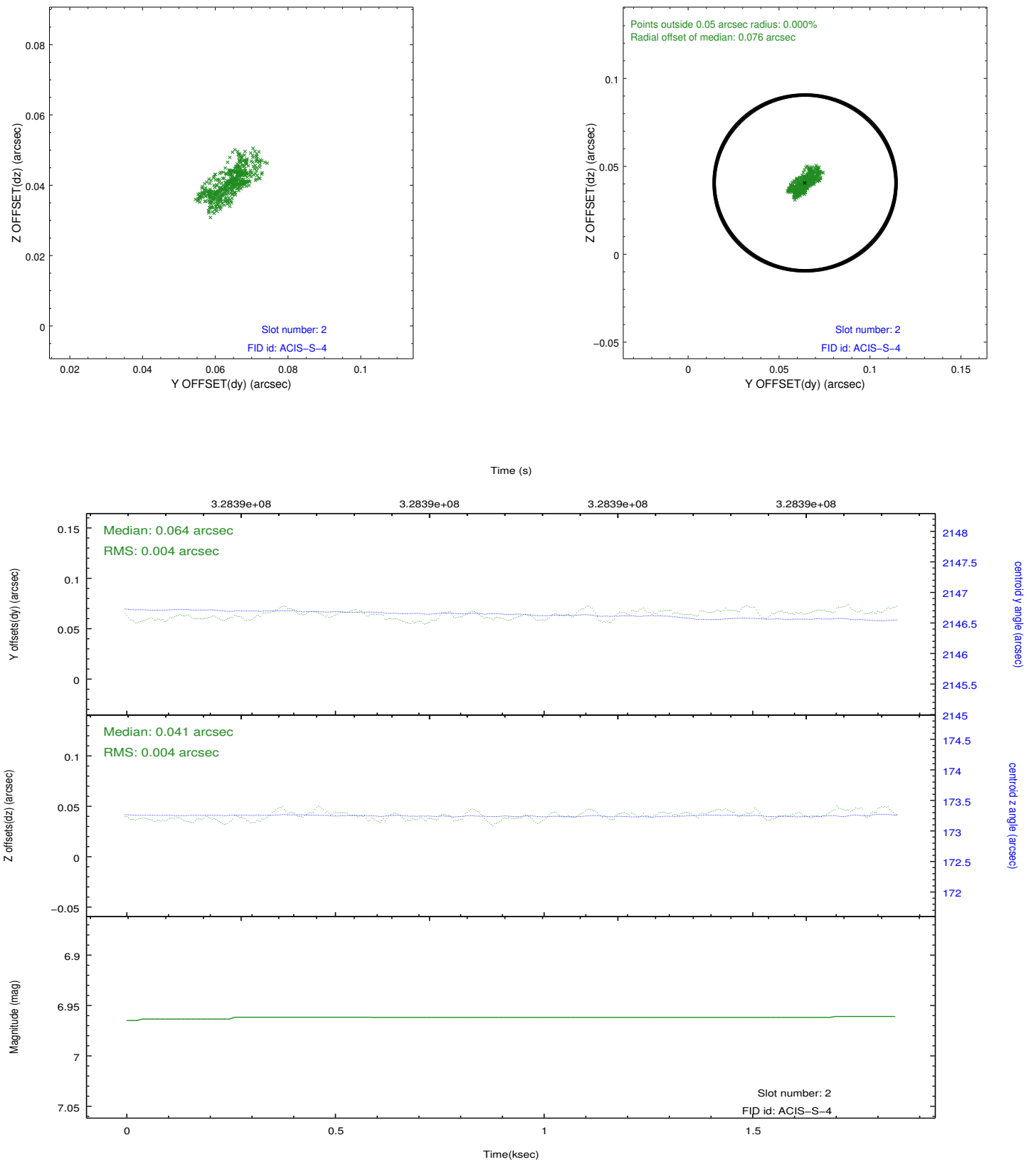
2.5.1 Slot 0



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)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.55199999

A.2 Comments