

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12841 - L2 Version 2
Chandra X-Ray Center

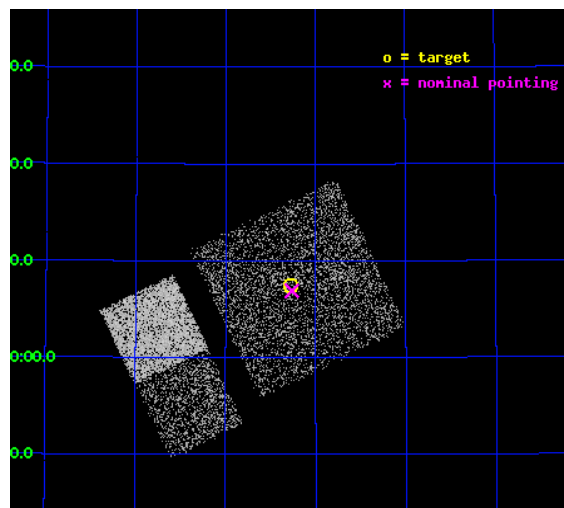
L2 Processing Date : Jul 8 2012

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1 Front

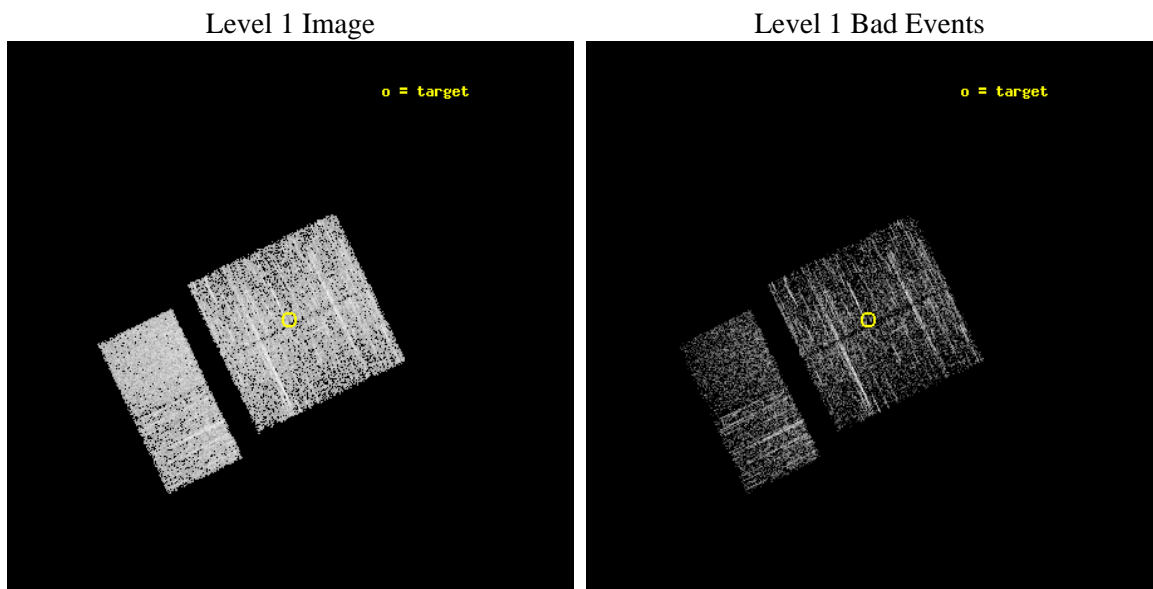
seq_num	702474	Sequence number
obs_id	12841	Observation id
title	Chandra observations of unidentified Fermi sources detected by INTEGRAL	Proposal title
observer	Mr. Claudio Ricci	Principal investigator
object	1FGL J0254.2+5107	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	43.568333	Observer's specified target RA [deg]
dec_targ	51.123194	Observer's specified target Dec [deg]
ra_nom	43.566036853925	Nominal RA [deg]
dec_nom	51.115064056622	Nominal Dec [deg]
roll_nom	244.19759063793	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2054.0317870378	Sum of GTIs [s]
livetime	2028.0223997609	Livetime [s]
ontime0	2053.908667028	Sum of GTIs [s]
ontime1	2053.9497070312	Sum of GTIs [s]
ontime2	2053.9907470345	Sum of GTIs [s]
ontime3	2054.0317870378	Sum of GTIs [s]
ontime6	2054.1138670444	Sum of GTIs [s]
ontime7	2054.0728270411	Sum of GTIs [s]
l2events	14741	Number of level 2 events



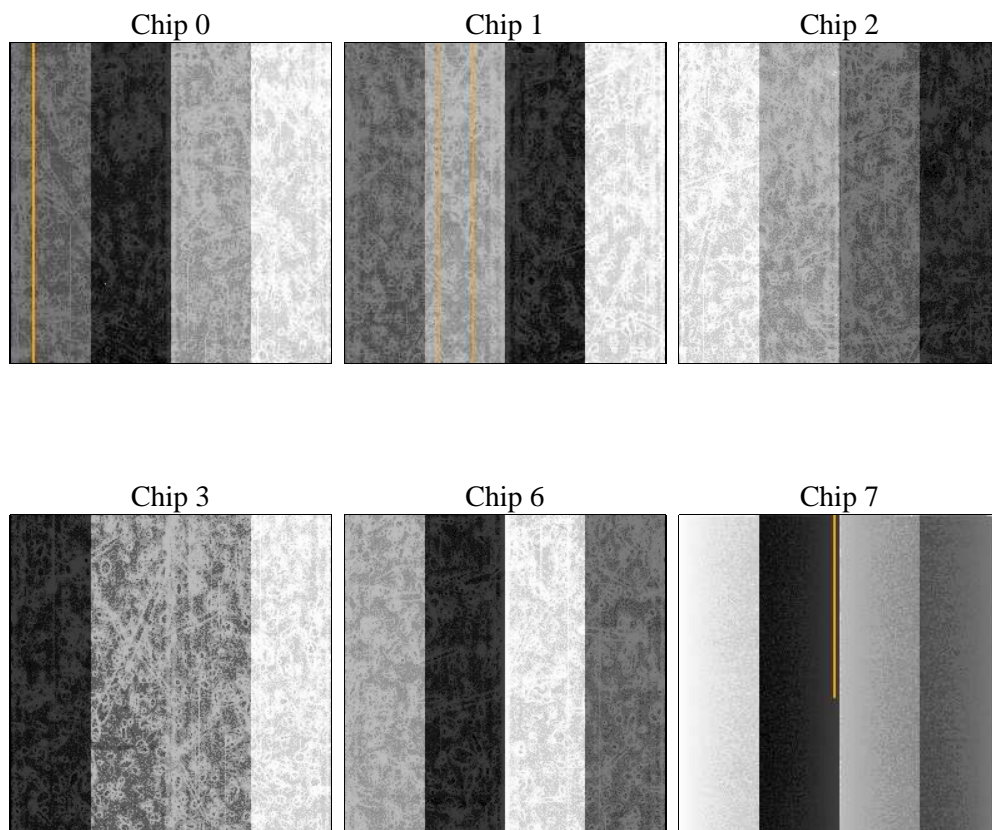
2 OBI

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	8.4.5	Processing system revision	ontime	2054.0317870378	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	2053.908667028	Sum of GTIs [s]
date	2012-07-08T05:14:24	Date and time of file creation	ontime1	2053.9497070312	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2053.9907470345	Sum of GTIs [s]
			ontime3	2054.0317870378	Sum of GTIs [s]
			ontime6	2054.1138670444	Sum of GTIs [s]
			ontime7	2054.0728270411	Sum of GTIs [s]
			l1events	86797	Number of level 1 events

2.1.4 Events

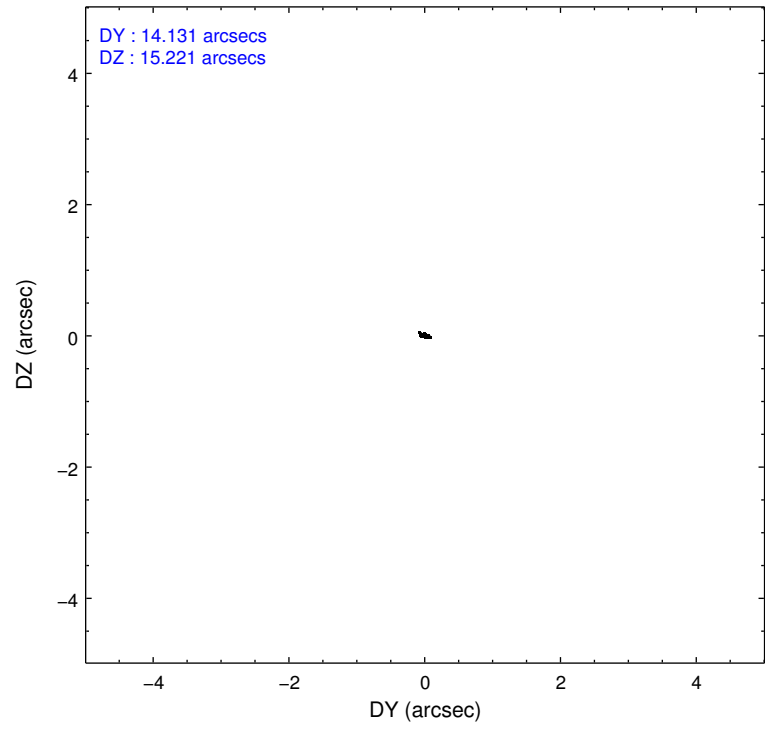
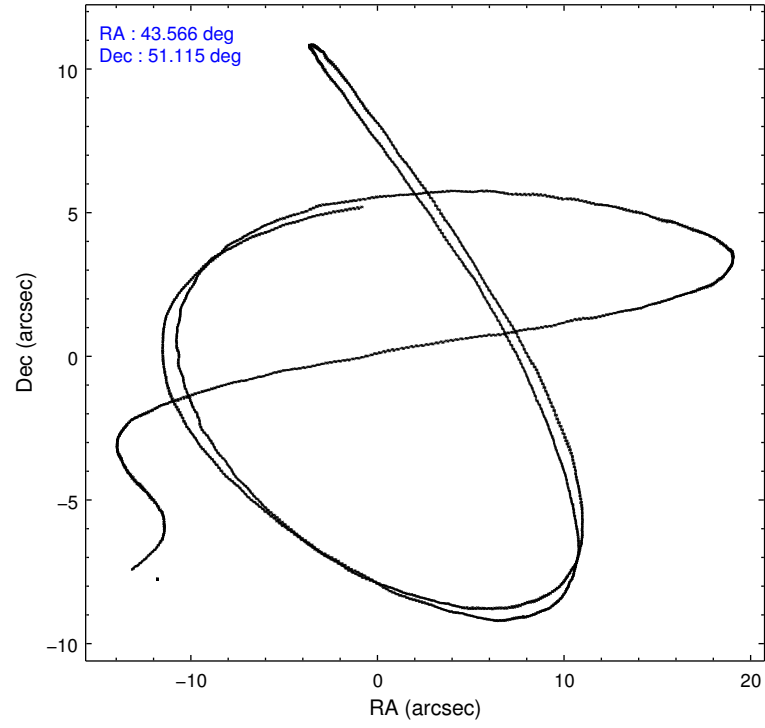
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	13130	13355	13526	14469	14938	17379
rejected events	11421	11500	11924	12969	13213	9493
rejected %	86%	86%	88%	89%	88%	54%

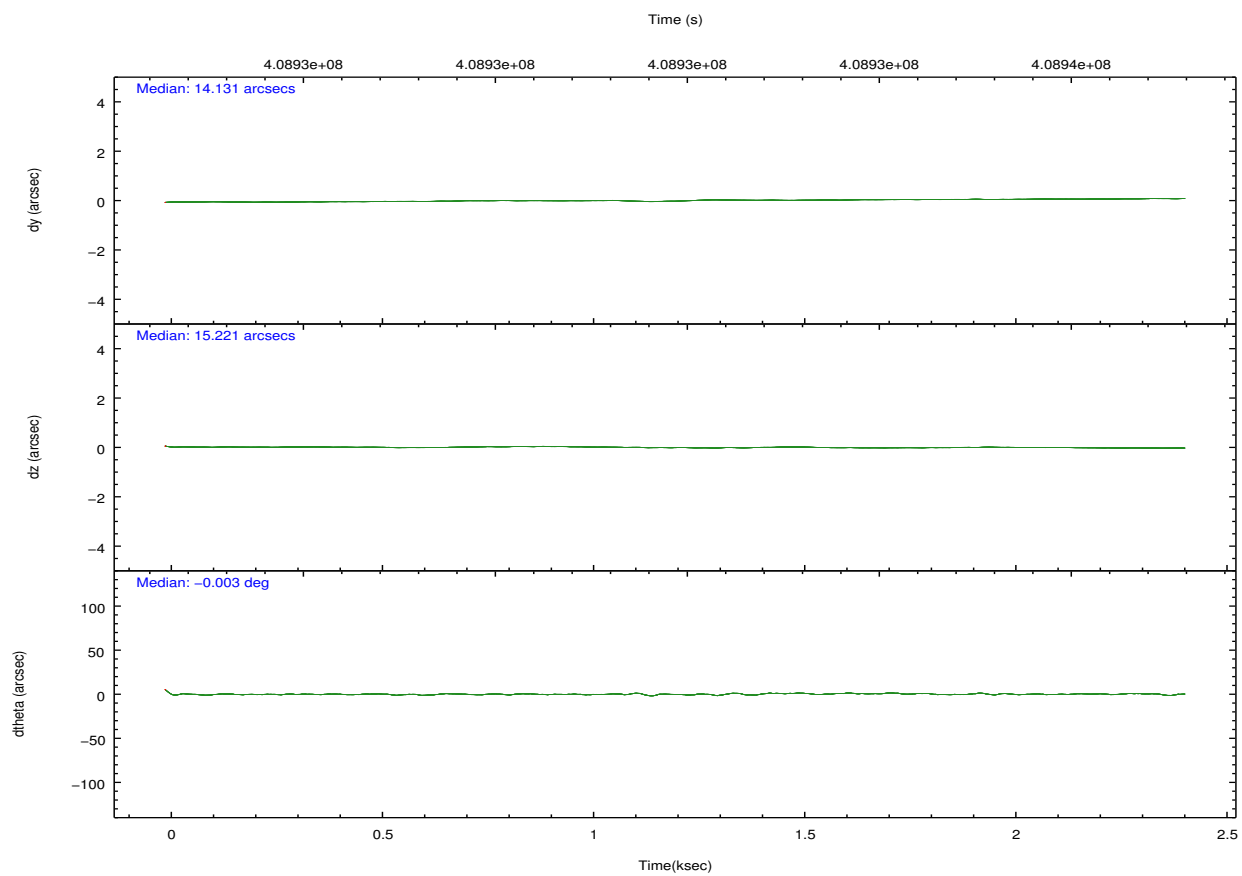
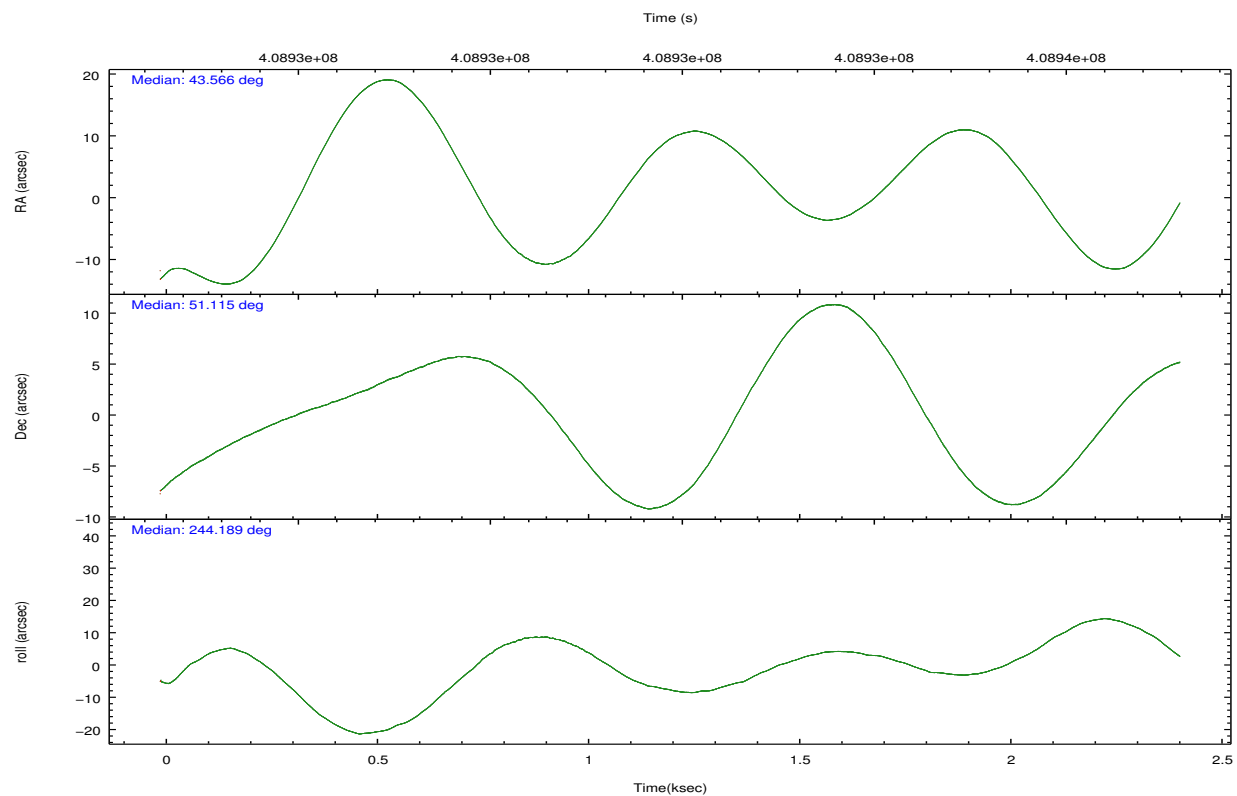
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	640	706	563	535	563	708
	4%	5%	4%	3%	3%	4%
grade 1 events	7	10	4	4	8	22
	0%	0%	0%	0%	0%	0%
grade 2 events	390	437	395	331	432	1619
	2%	3%	2%	2%	2%	9%
grade 3 events	173	177	168	154	156	674
	1%	1%	1%	1%	1%	3%
grade 4 events	161	173	158	140	181	668
	1%	1%	1%	0%	1%	3%
grade 5 events	609	602	561	681	709	1878
	4%	4%	4%	4%	4%	10%
grade 6 events	346	365	323	340	396	4228
	2%	2%	2%	2%	2%	24%
grade 7 events	10804	10885	11354	12284	12493	7582
	82%	81%	83%	84%	83%	43%

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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	43.563038	43.56603685392531	CCD I2 on	Y	Y
[deg] Pointing Dec	51.142611	51.11506405662159	CCD I3 on	Y	Y
[deg] Pointing Roll	243.991261	244.1975906379293	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	408933169.184000	408932048.39323	CCD S5 on	N	N
Observation start date	2010-12-17T00:31:43	2010-12-17T00:14:08	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	408935169.184000	408936050.50593	On-chip summing requested	N	N
Observation end date	2010-12-17T01:05:03	2010-12-17T01:20:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



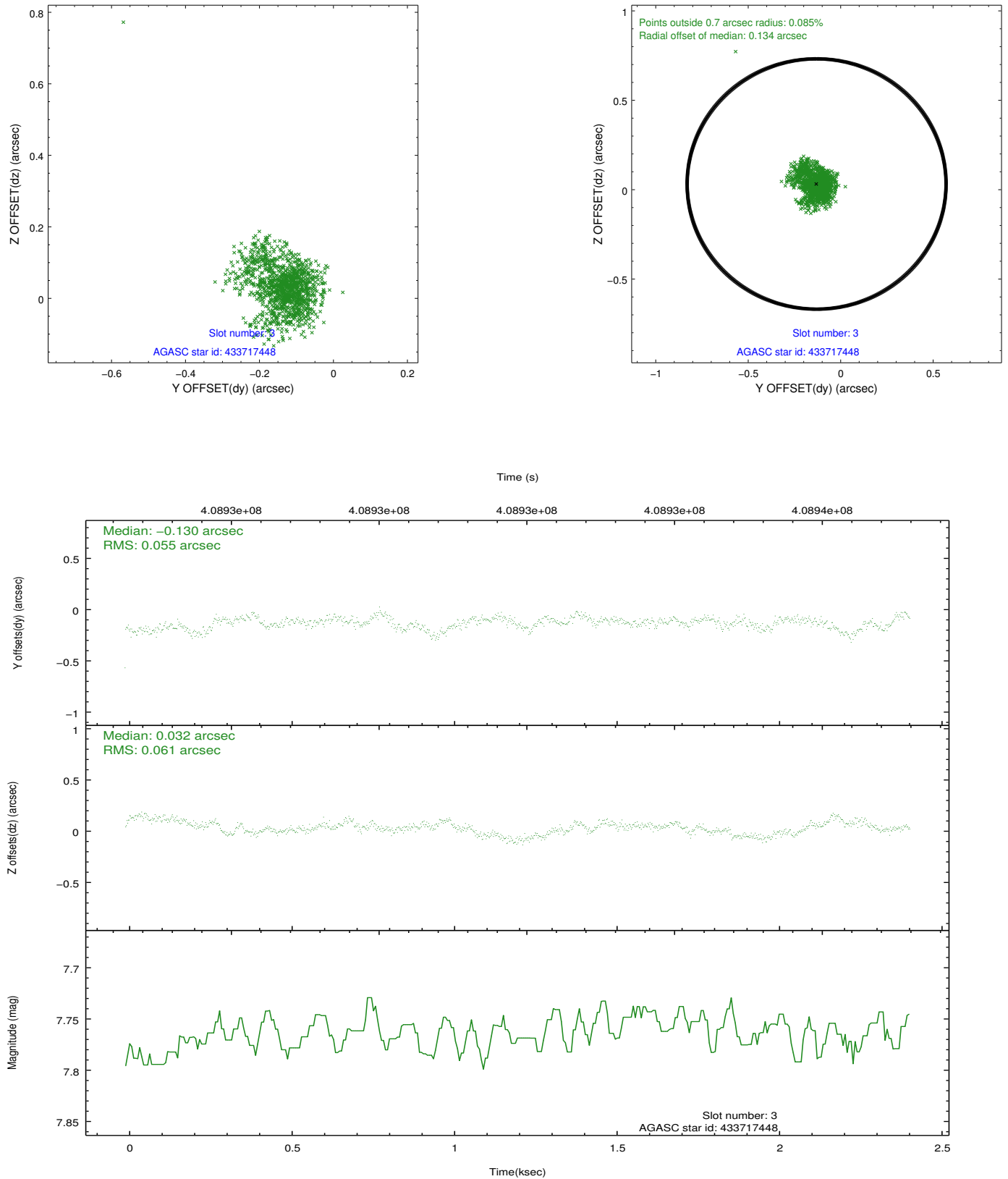


Slot Statistics

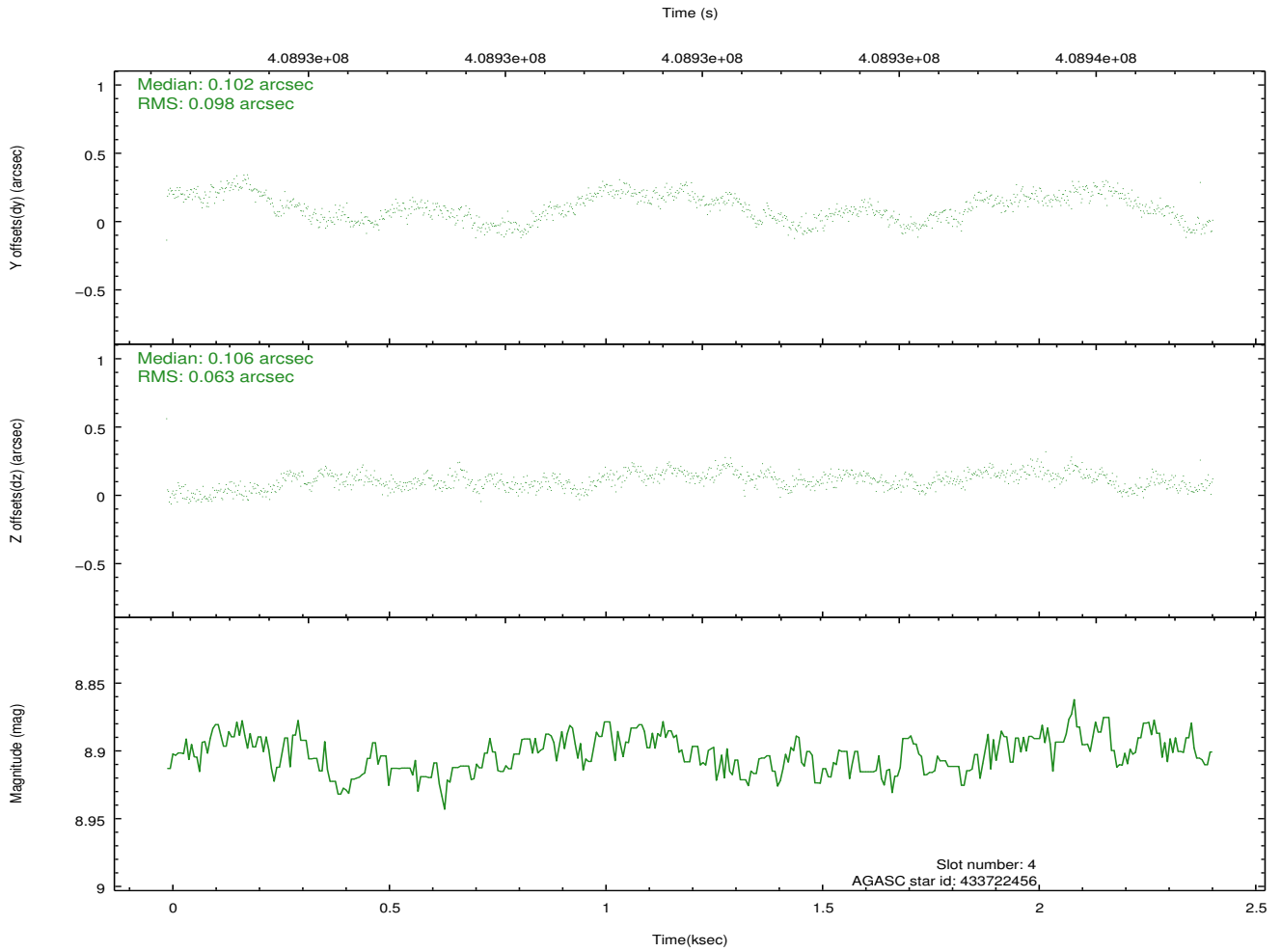
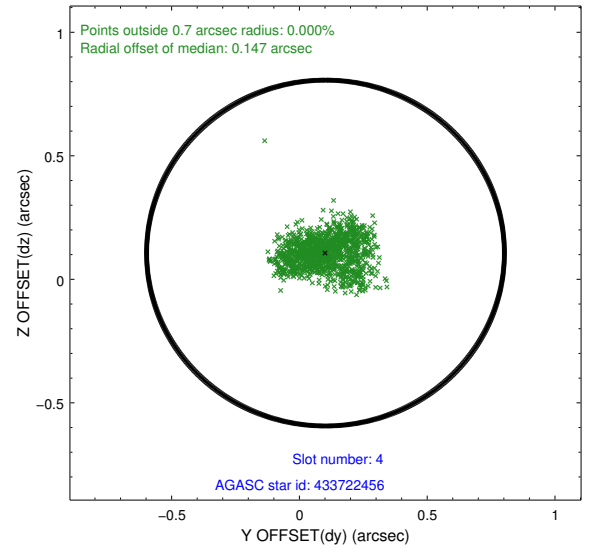
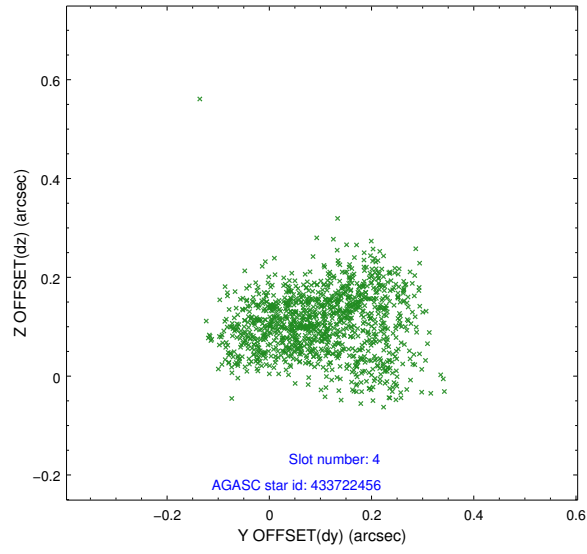
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.09	590	0.002	-0.038	0.008	0.014	0.000000	0.000000	925.37	-838.85
1	FID	ACIS-I-4	7.00	590	0.172	0.049	0.007	0.013	0.000000	0.000000	2147.03	1059.72
2	FID	ACIS-I-5	7.08	590	-0.272	0.059	0.007	0.013	0.000000	0.000000	-1819.50	1060.56
3	GUIDE	433717448	7.76	1179	-0.130	0.032	0.085	0.140	44.205142	50.796722	471.68	1857.18
4	GUIDE	433722456	8.90	1178	0.102	0.106	0.130	0.193	44.304875	51.003866	-295.98	1727.99
5	GUIDE	433723216	8.53	1173	0.018	0.091	0.074	0.119	44.716368	51.349708	-1826.62	1996.63
6	GUIDE	433724480	6.41	1179	-0.039	-0.249	0.082	0.121	43.595074	51.166946	-112.19	28.31
7	GUIDE	433723936	9.57	1176	0.070	0.025	0.162	0.261	42.788910	50.818034	1813.49	-1072.99

2.4 Star Slots

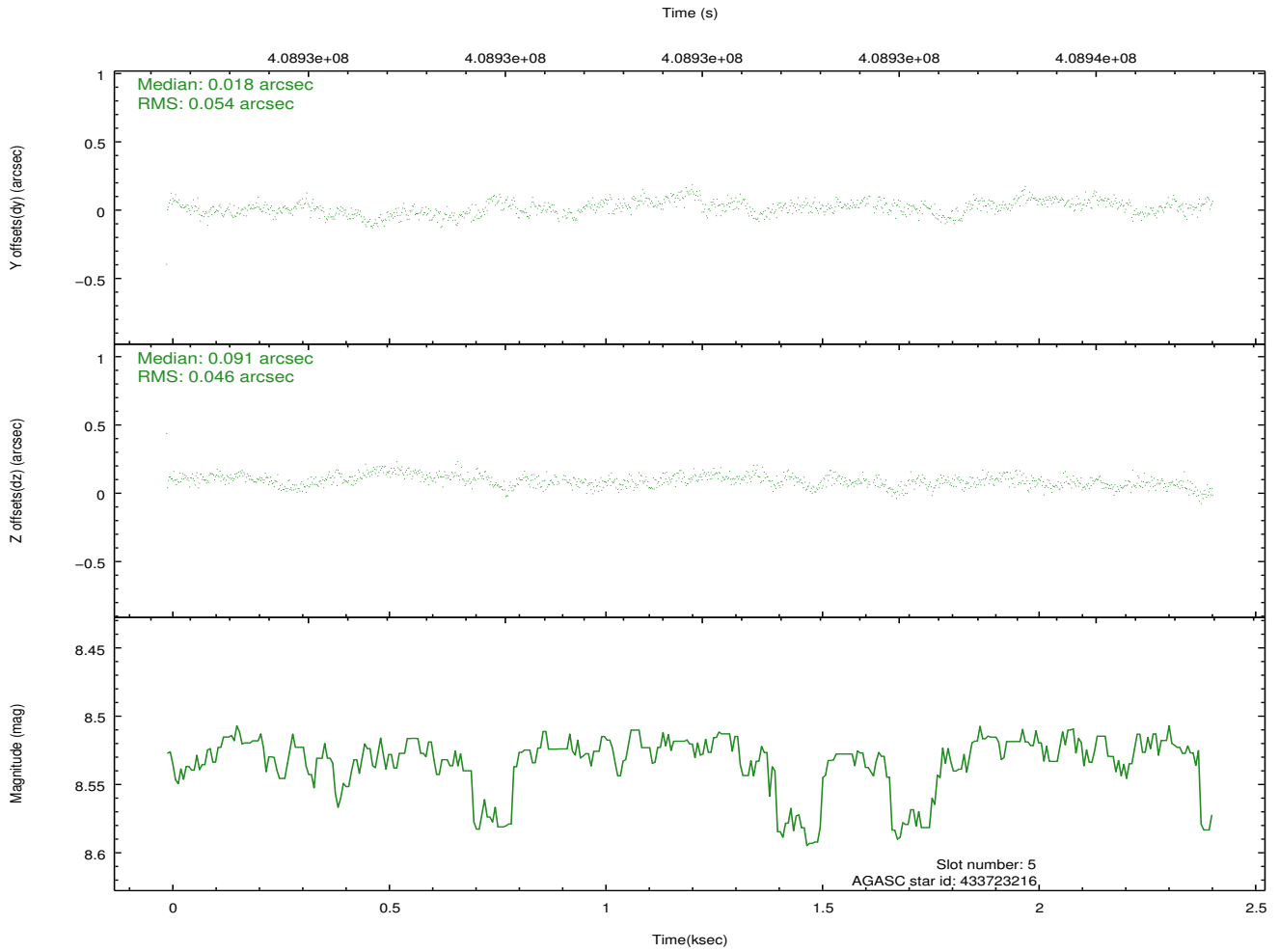
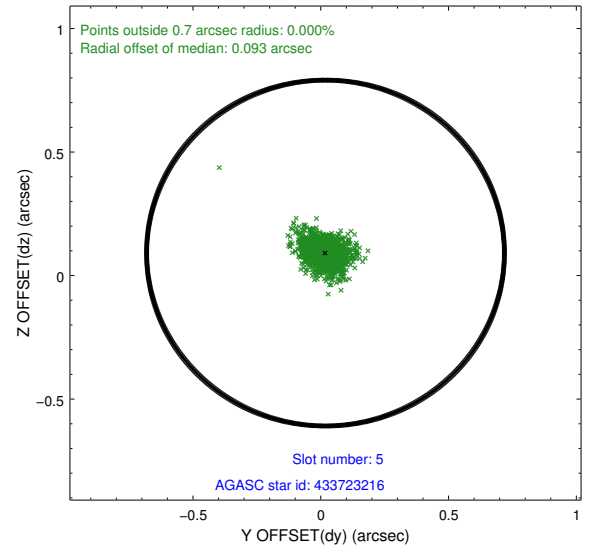
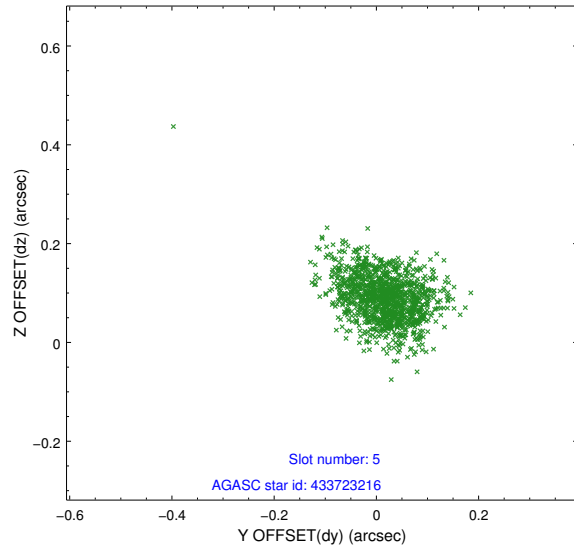
2.4.1 Slot 3



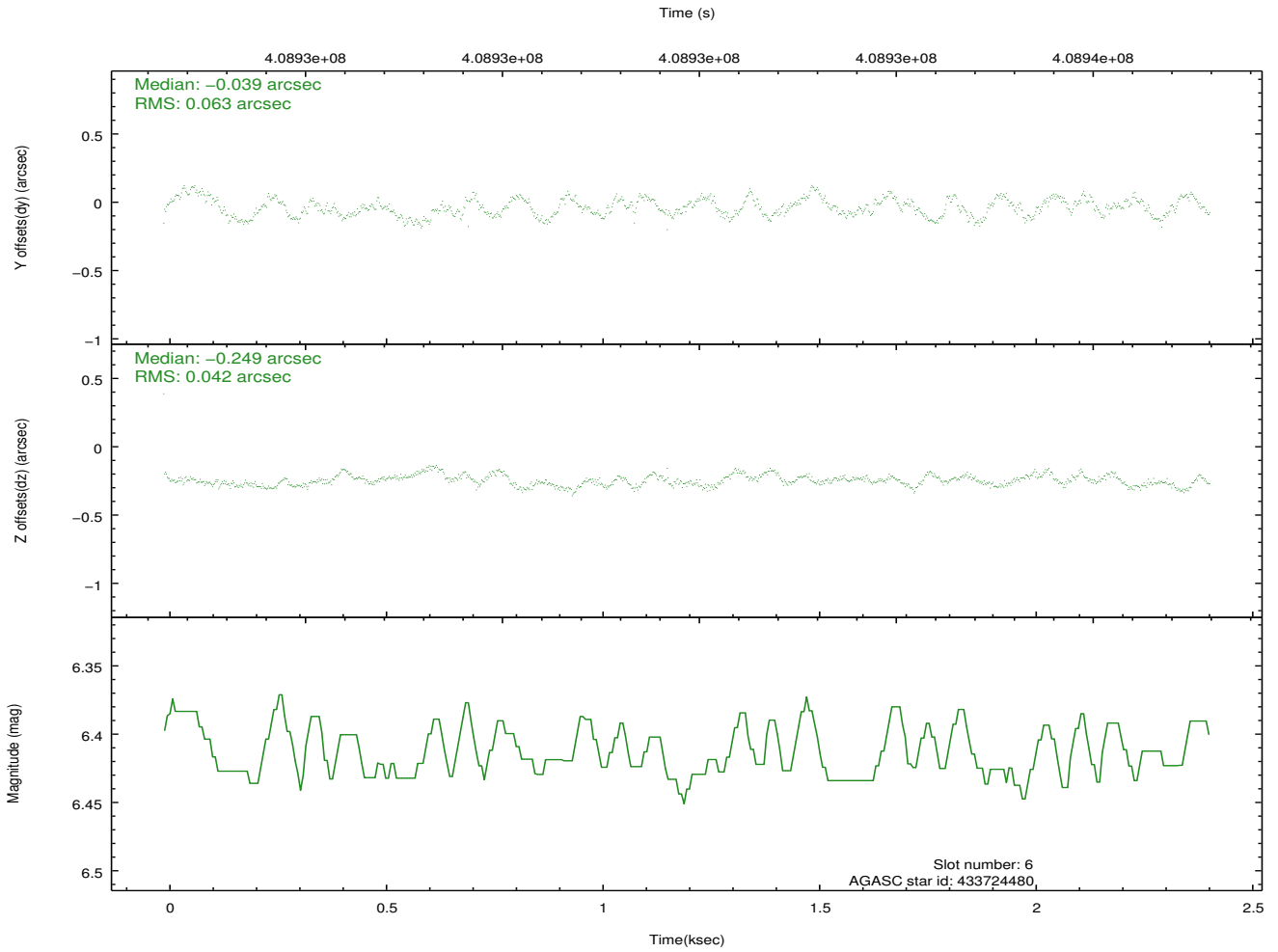
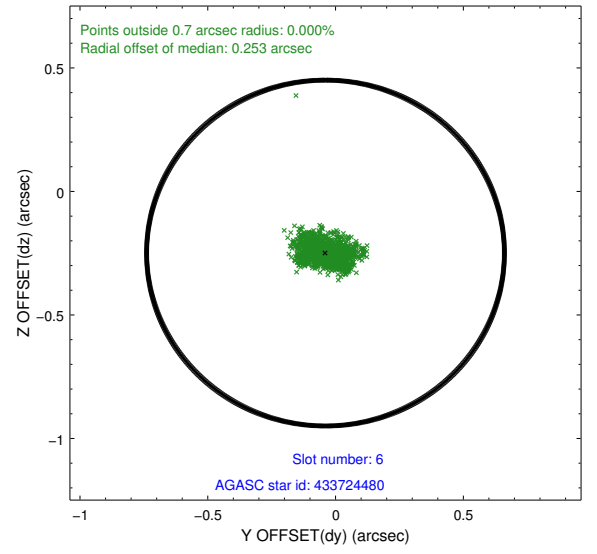
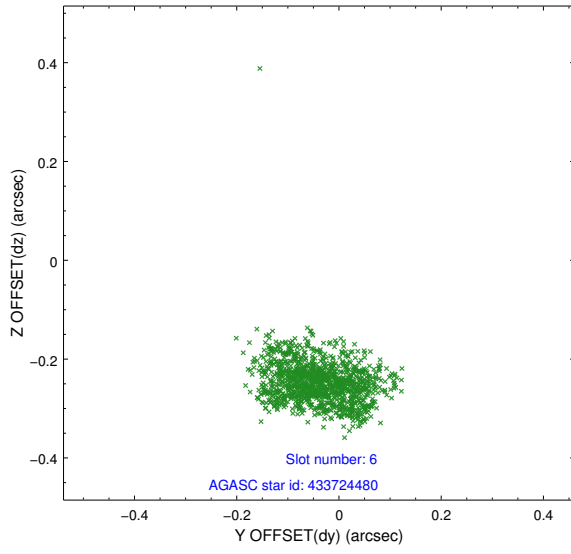
2.4.2 Slot 4



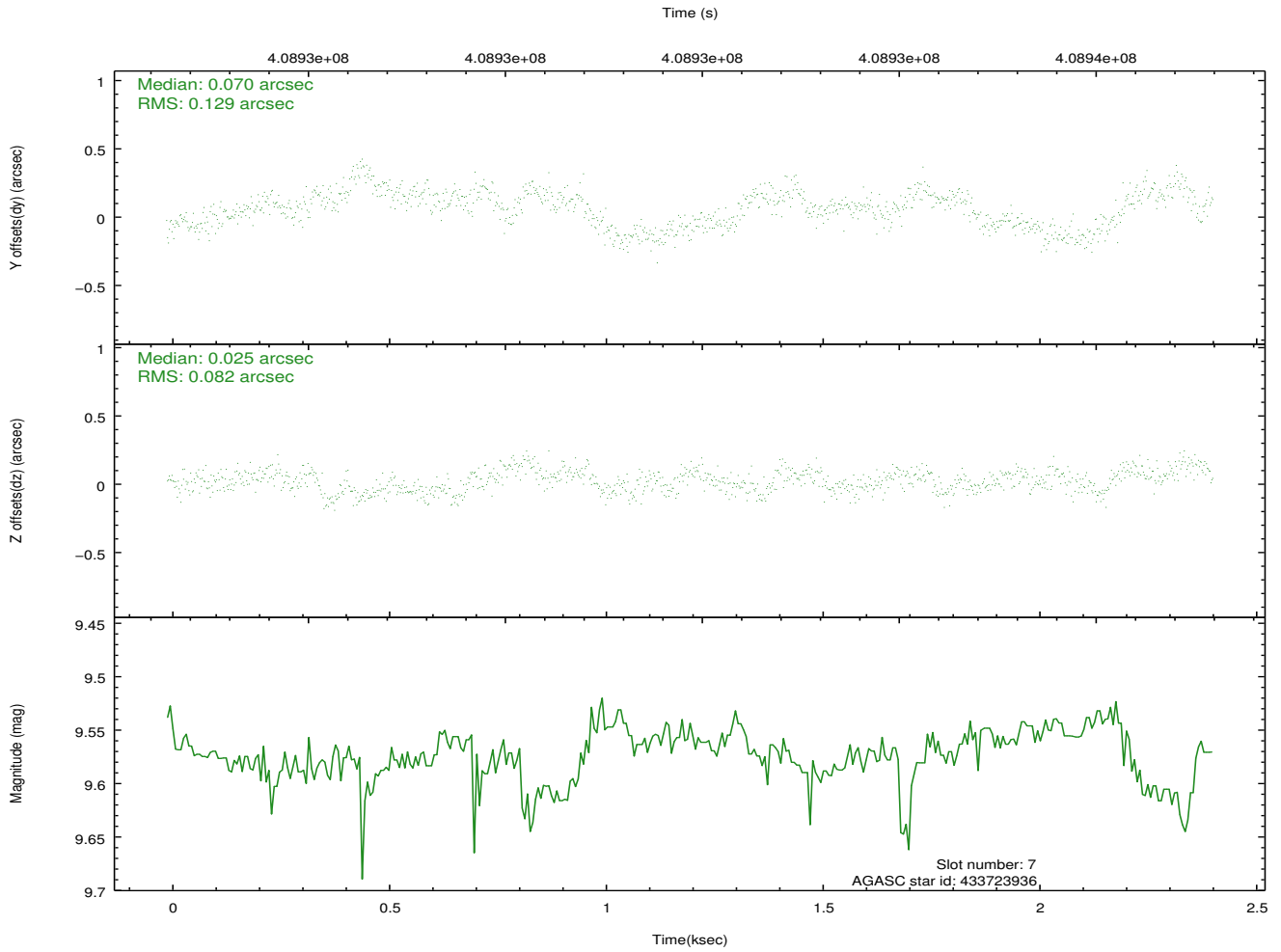
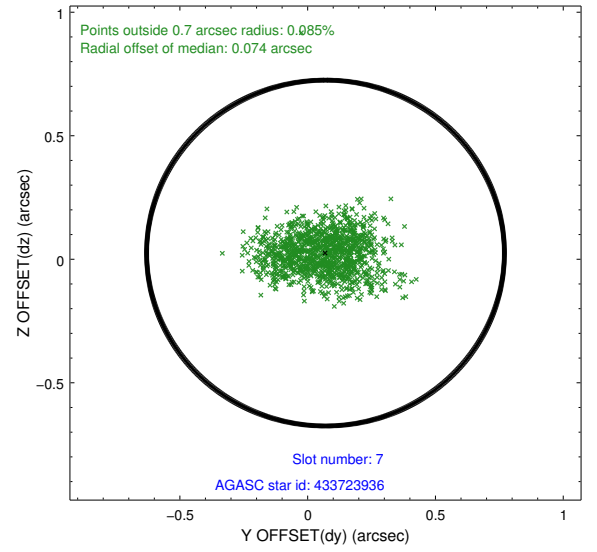
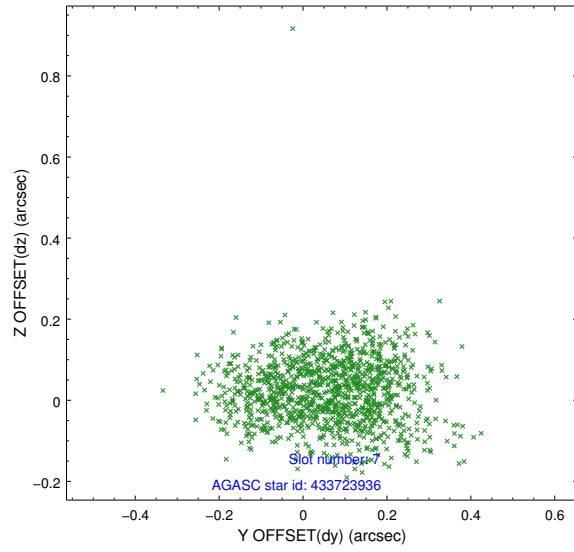
2.4.3 Slot 5



2.4.4 Slot 6

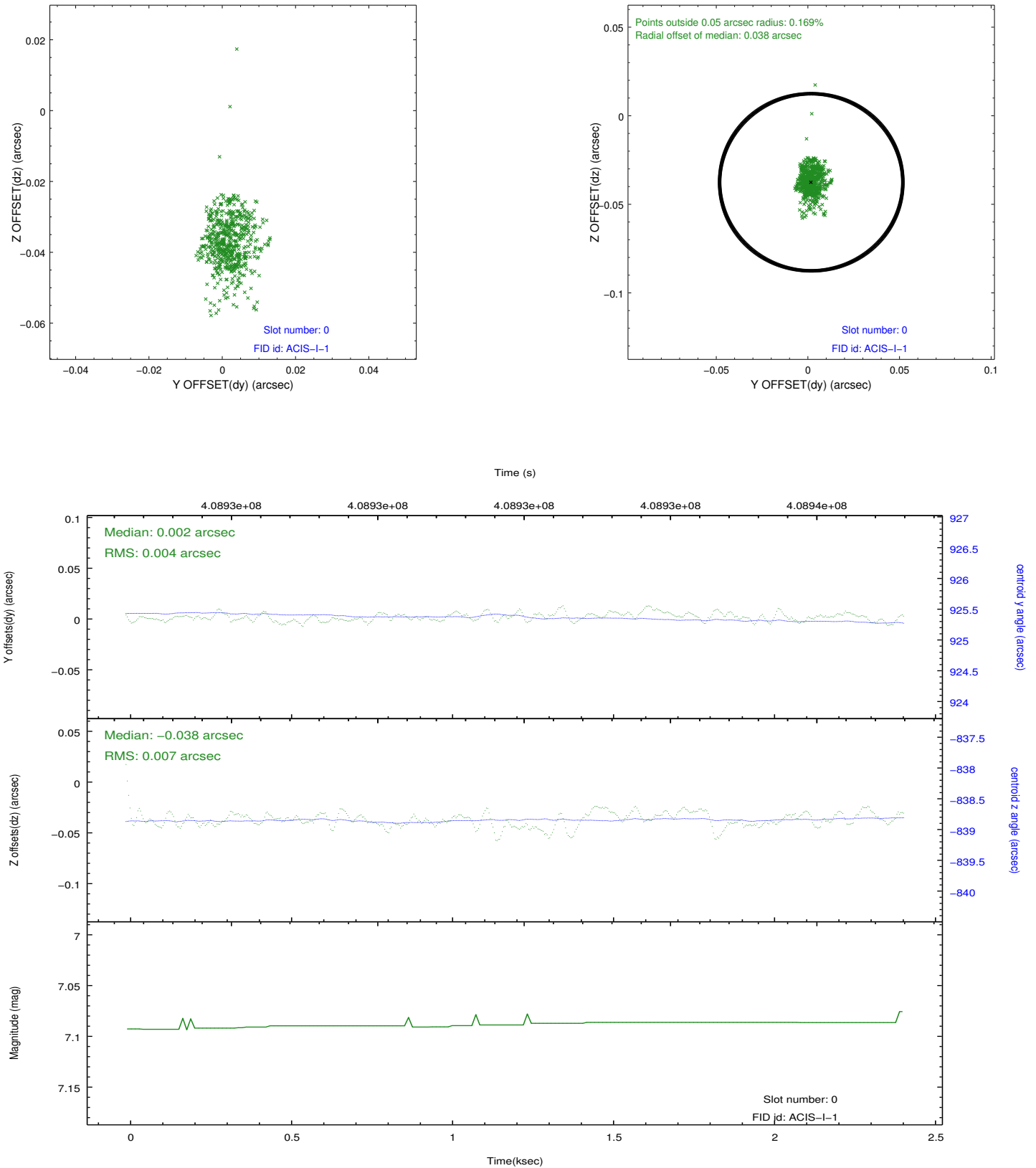


2.4.5 Slot 7

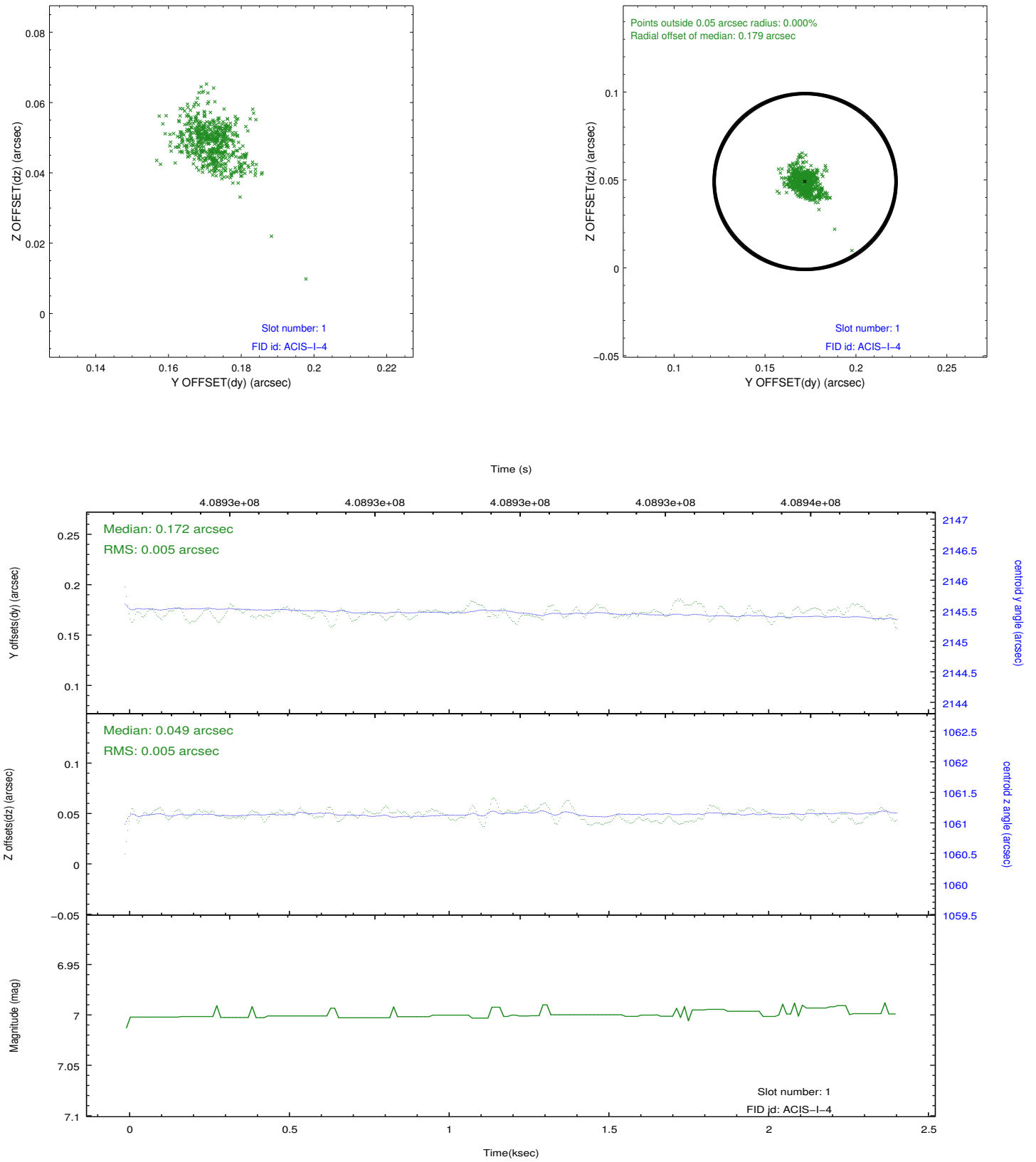


2.5 FID Slots

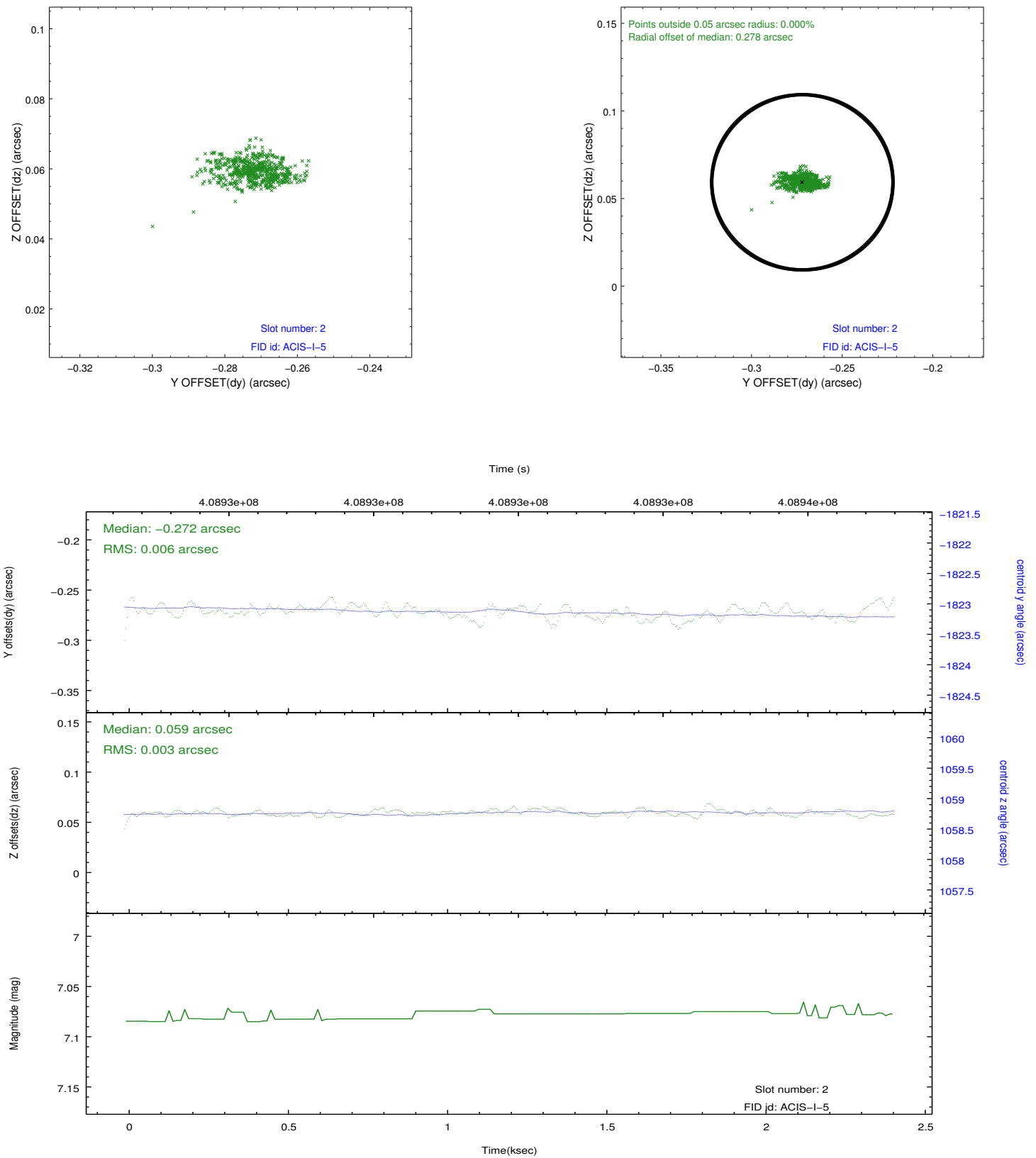
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0540317869782

A.2 Comments