

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7126 - L2 Version 2
Chandra X-Ray Center

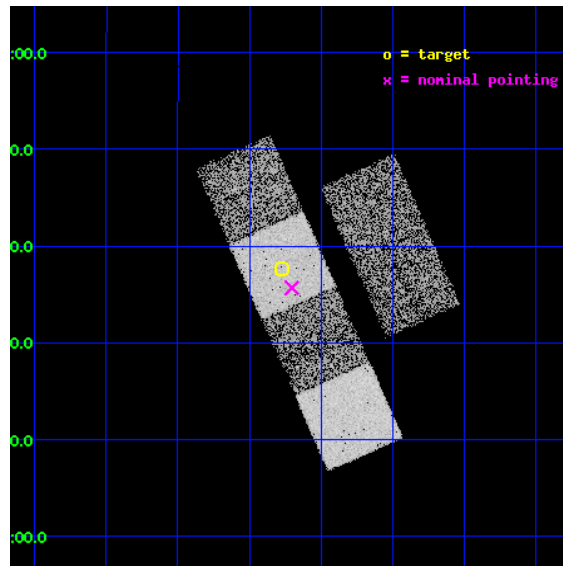
L2 Processing Date : Apr 4 2012

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1 Front

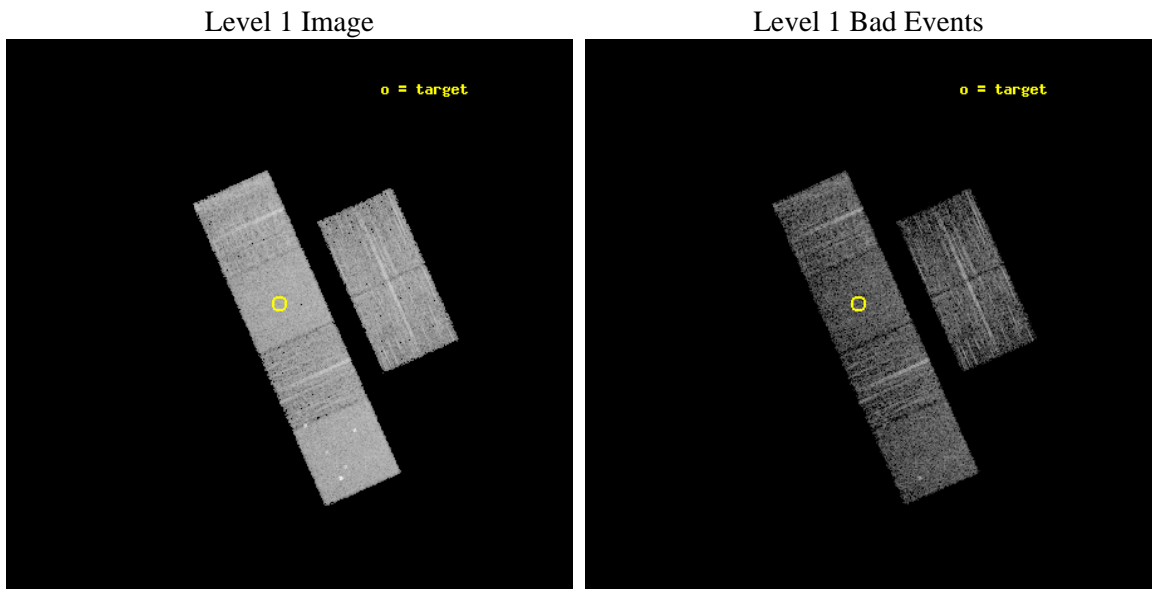
seq_num	600564	Sequence number
obs_id	7126	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 3495	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	165.3175	Observer's specified target RA [deg]
dec_targ	3.628111	Observer's specified target Dec [deg]
ra_nom	165.30063175646	Nominal RA [deg]
dec_nom	3.5947821231791	Nominal Dec [deg]
roll_nom	245.9847990506	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4108.7999847531	Sum of GTIs [s]
livetime	4056.7718853239	Livetime [s]
ontime2	4108.7999847531	Sum of GTIs [s]
ontime3	4108.7999847531	Sum of GTIs [s]
ontime5	4108.7999847531	Sum of GTIs [s]
ontime6	4108.7999847531	Sum of GTIs [s]
ontime7	4108.7999847531	Sum of GTIs [s]
ontime8	4108.7999847531	Sum of GTIs [s]
l2events	60102	Number of level 2 events



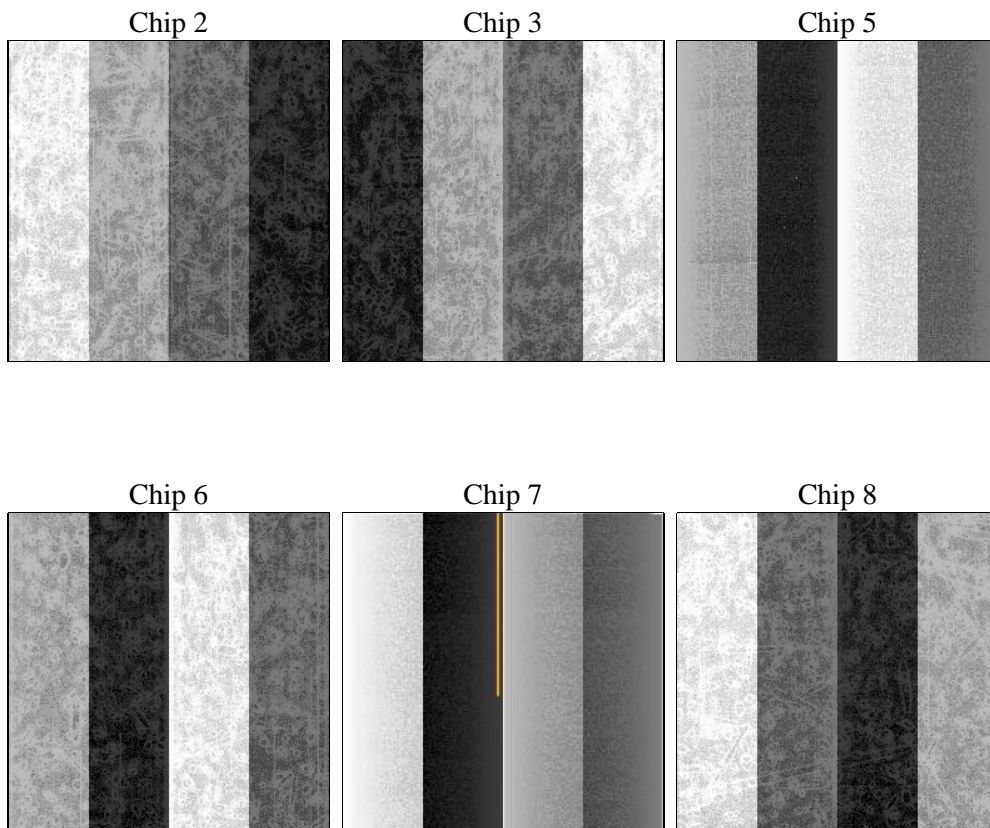
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3930.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4108.7999847531	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4108.7999847531	Sum of GTIs [s]
date	2012-04-04T21:01:59	Date and time of file creation	ontime3	4108.7999847531	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4108.7999847531	Sum of GTIs [s]
			ontime6	4108.7999847531	Sum of GTIs [s]
			ontime7	4108.7999847531	Sum of GTIs [s]
			ontime8	4108.7999847531	Sum of GTIs [s]
			l1events	265186	Number of level 1 events

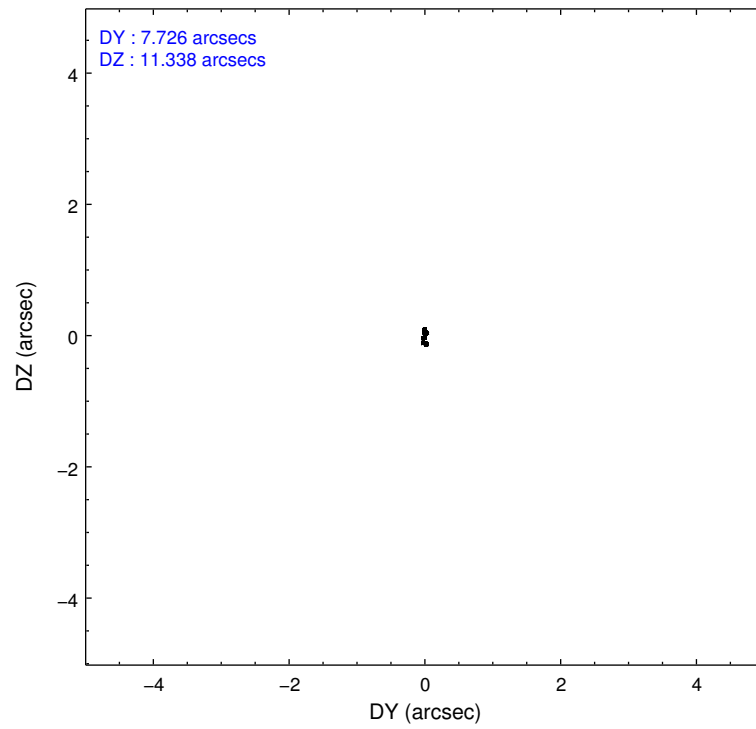
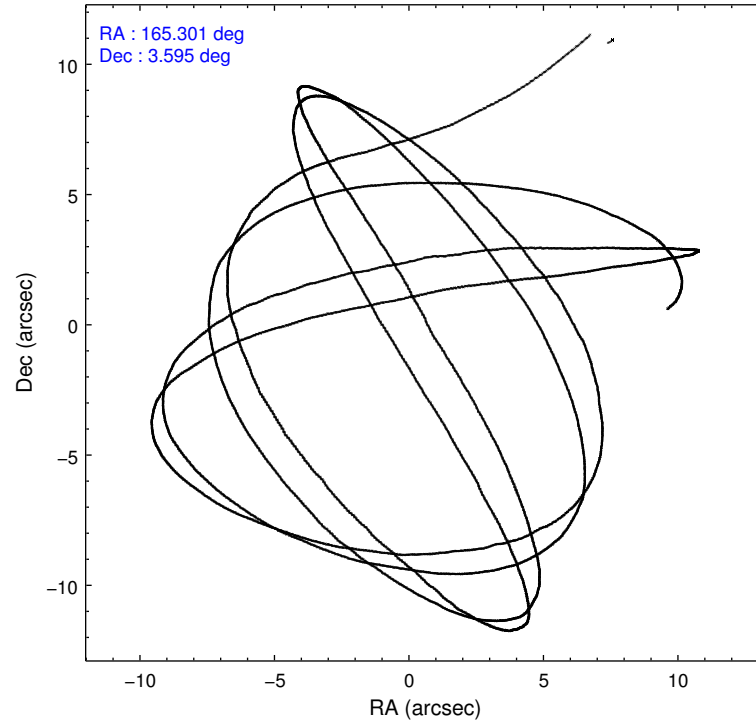
2.1.4 Events

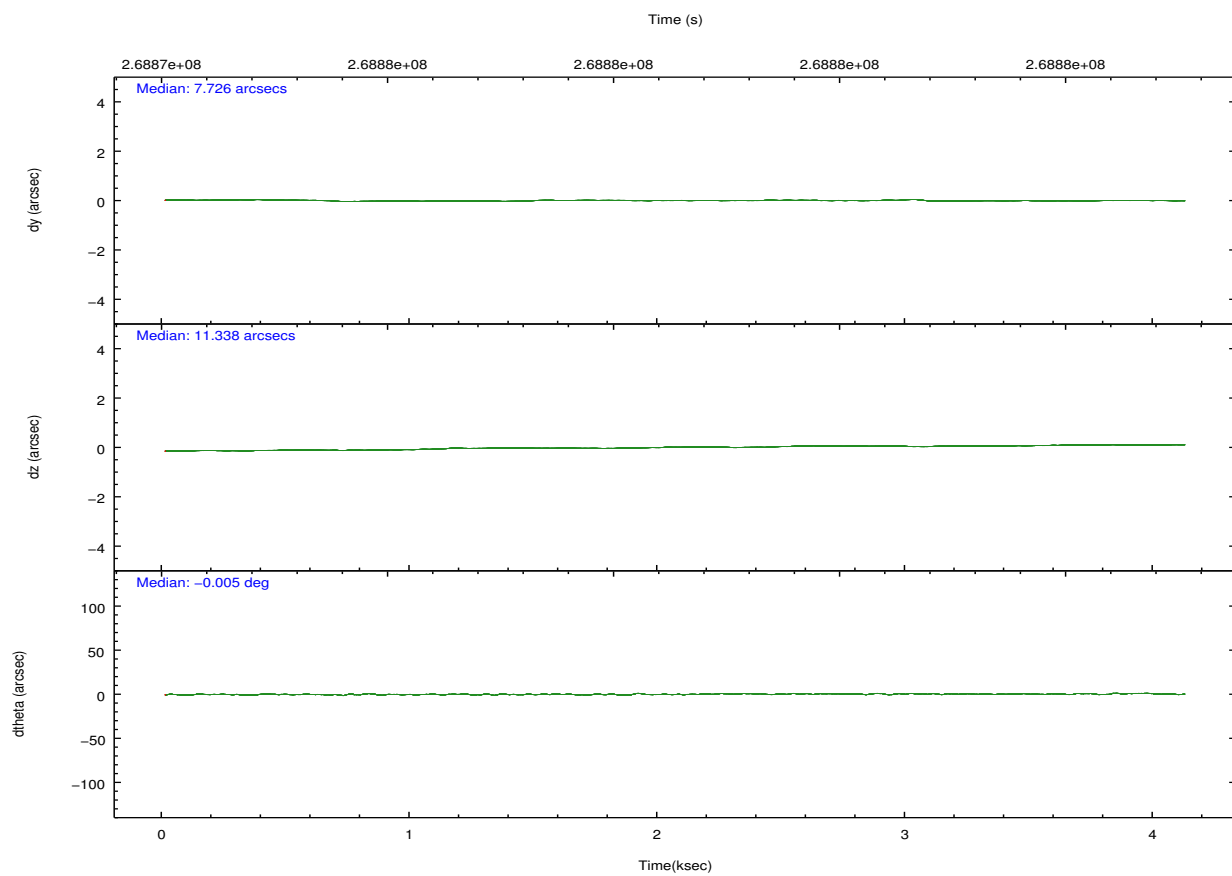
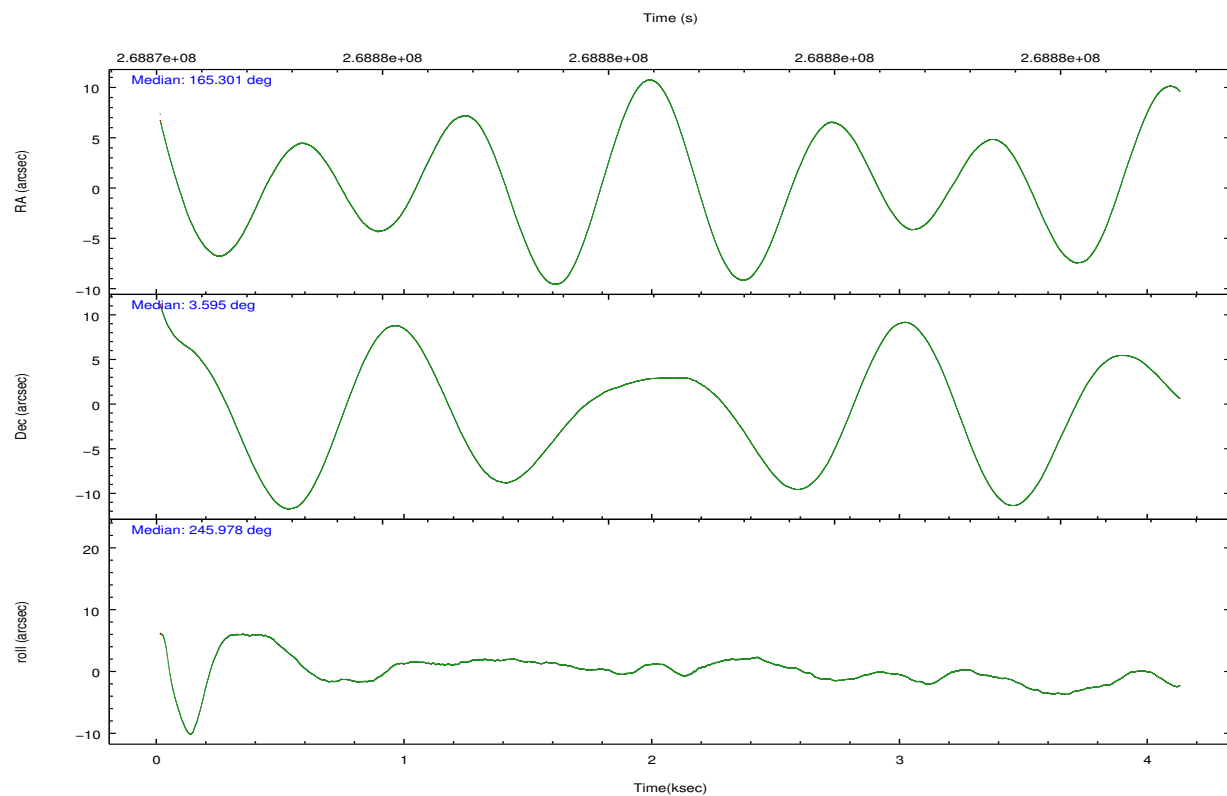
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	37969	36456	56466	36866	50186	47243	grade 0 events	2004	1840	3027	1902	1856	3475
rejected events	33557	32171	30348	32169	29434	36680		5%	5%	5%	5%	3%	7%
rejected %	88%	88%	53%	87%	58%	77%	grade 1 events	29	23	120	27	55	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	922	894	7833	1054	4265	2247
								2%	2%	13%	2%	8%	4%
							grade 3 events	383	449	922	404	1837	1206
								1%	1%	1%	1%	3%	2%
							grade 4 events	387	384	933	399	1842	1064
								1%	1%	1%	1%	3%	2%
							grade 5 events	1406	1587	3934	1688	4821	2231
								3%	4%	6%	4%	9%	4%
							grade 6 events	741	745	13604	980	11112	2628
								1%	2%	24%	2%	22%	5%
							grade 7 events	32097	30534	26093	30412	24398	34355
								84%	83%	46%	82%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	165.297435	165.3006317564551	Subarray requested	NONE	NONE
[deg] Pointing Dec	3.621753	3.594782123179112	Alternating exposures requested	N	N
[deg] Pointing Roll	245.828342	245.9847990505982	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	268874411.184000	268873268.08032			
Observation start date	2006-07-09T23:19:06	2006-07-09T23:01:08			
[s] Observation end time (MET)	268878341.184000	268879074.19309			
Observation end date	2006-07-10T00:24:36	2006-07-10T00:37:54			
Read mode	TIMED	TIMED			

2.3 Aspect



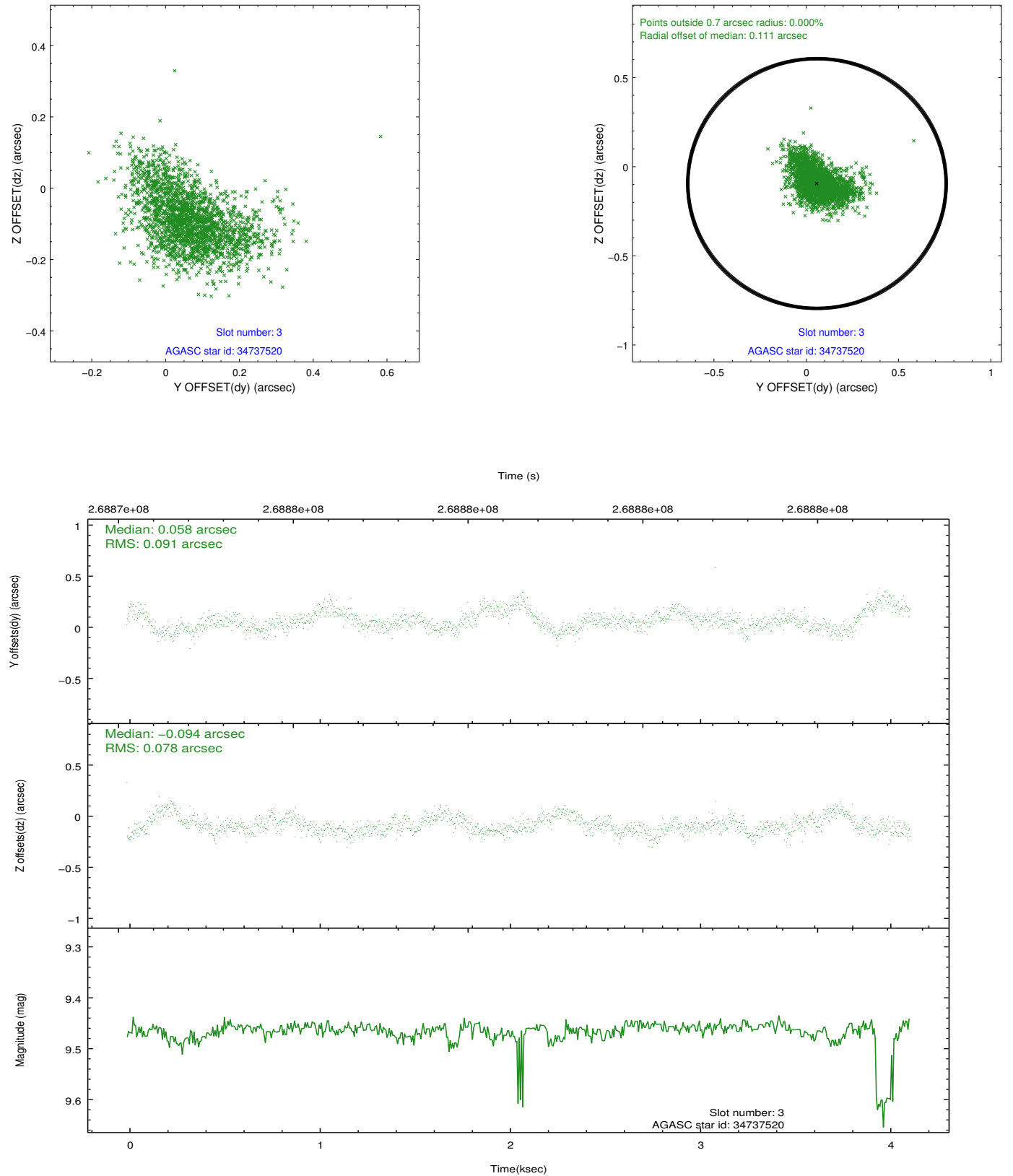


Slot Statistics

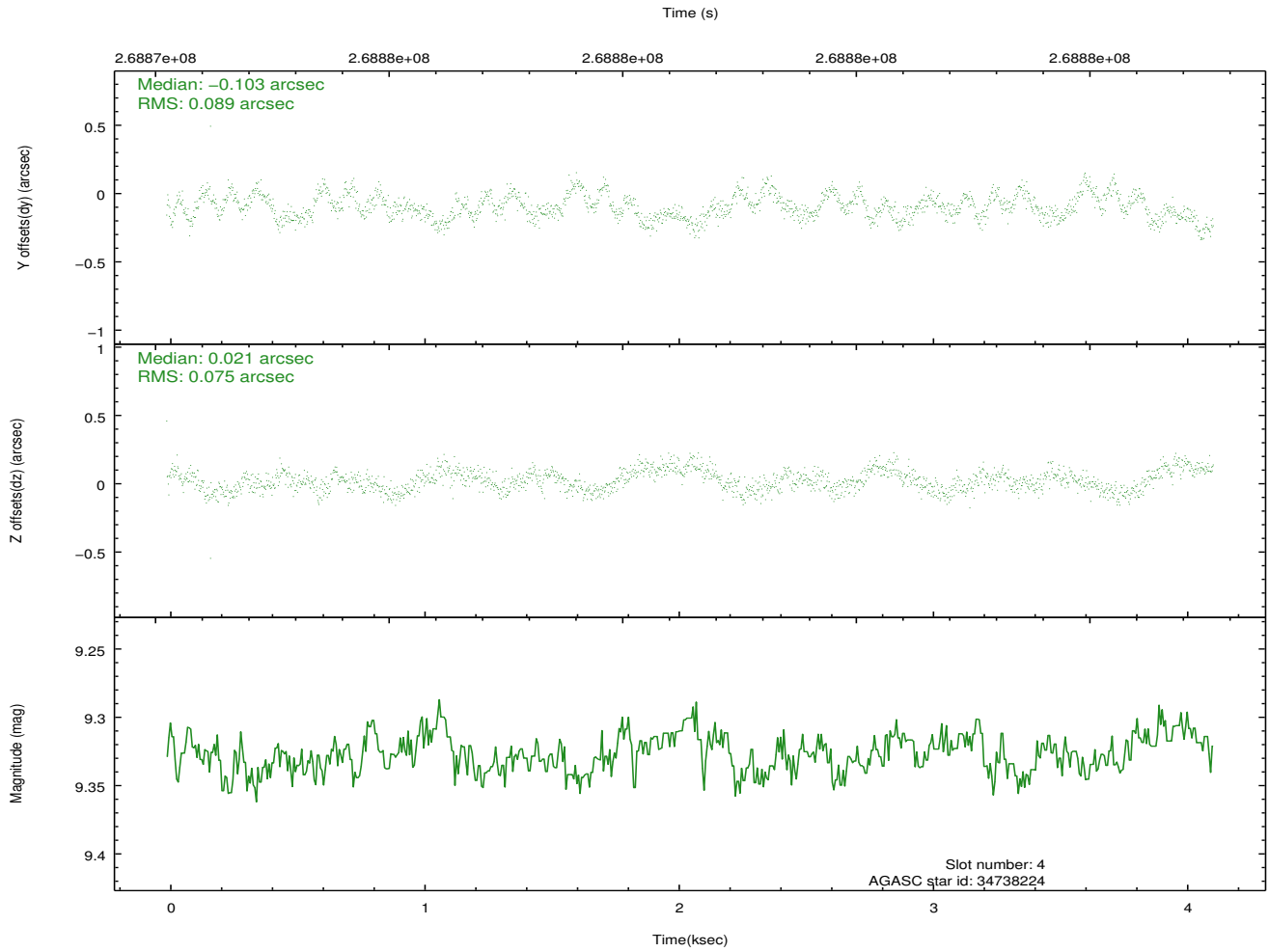
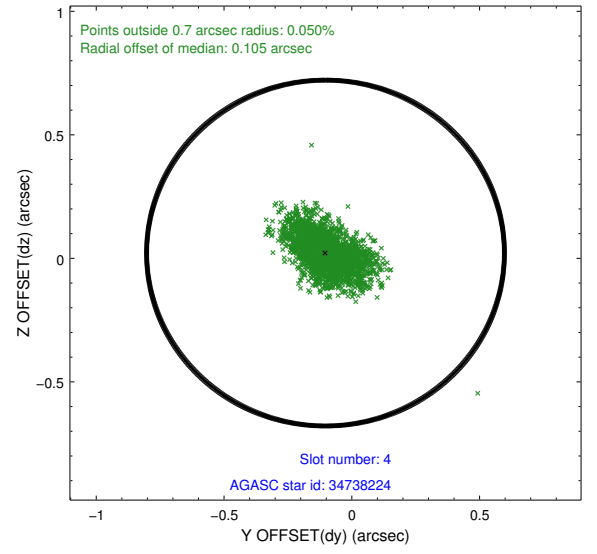
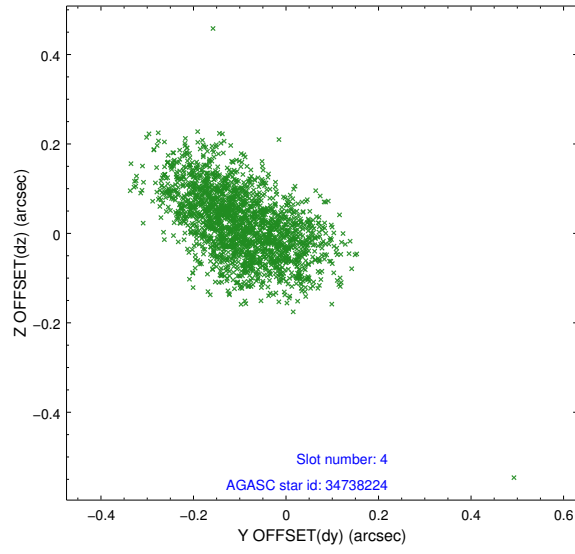
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1005	-0.032	-0.012	0.007	0.012	0.000000	0.000000	-760.51	-1732.63
1	FID	ACIS-S-4	7.21	1005	0.093	0.019	0.005	0.011	0.000000	0.000000	2152.19	174.35
2	FID	ACIS-S-5	7.23	1005	-0.092	0.002	0.007	0.011	0.000000	0.000000	-1811.49	169.68
3	GUIDE	34737520	9.46	2005	0.058	-0.094	0.124	0.213	165.230274	3.460079	630.32	18.66
4	GUIDE	34738224	9.33	2008	-0.103	0.021	0.122	0.197	166.021842	3.789522	-1617.11	2126.85
5	GUIDE	34738992	8.13	2008	0.094	0.010	0.091	0.143	165.155976	3.739401	-178.31	-635.63
6	GUIDE	34742048	9.45	2003	0.172	0.173	0.124	0.192	165.089649	3.470121	804.20	-457.35
7	GUIDE	33824888	7.72	2008	-0.243	-0.109	0.068	0.121	164.894454	4.353846	-1811.65	-2399.12

2.4 Star Slots

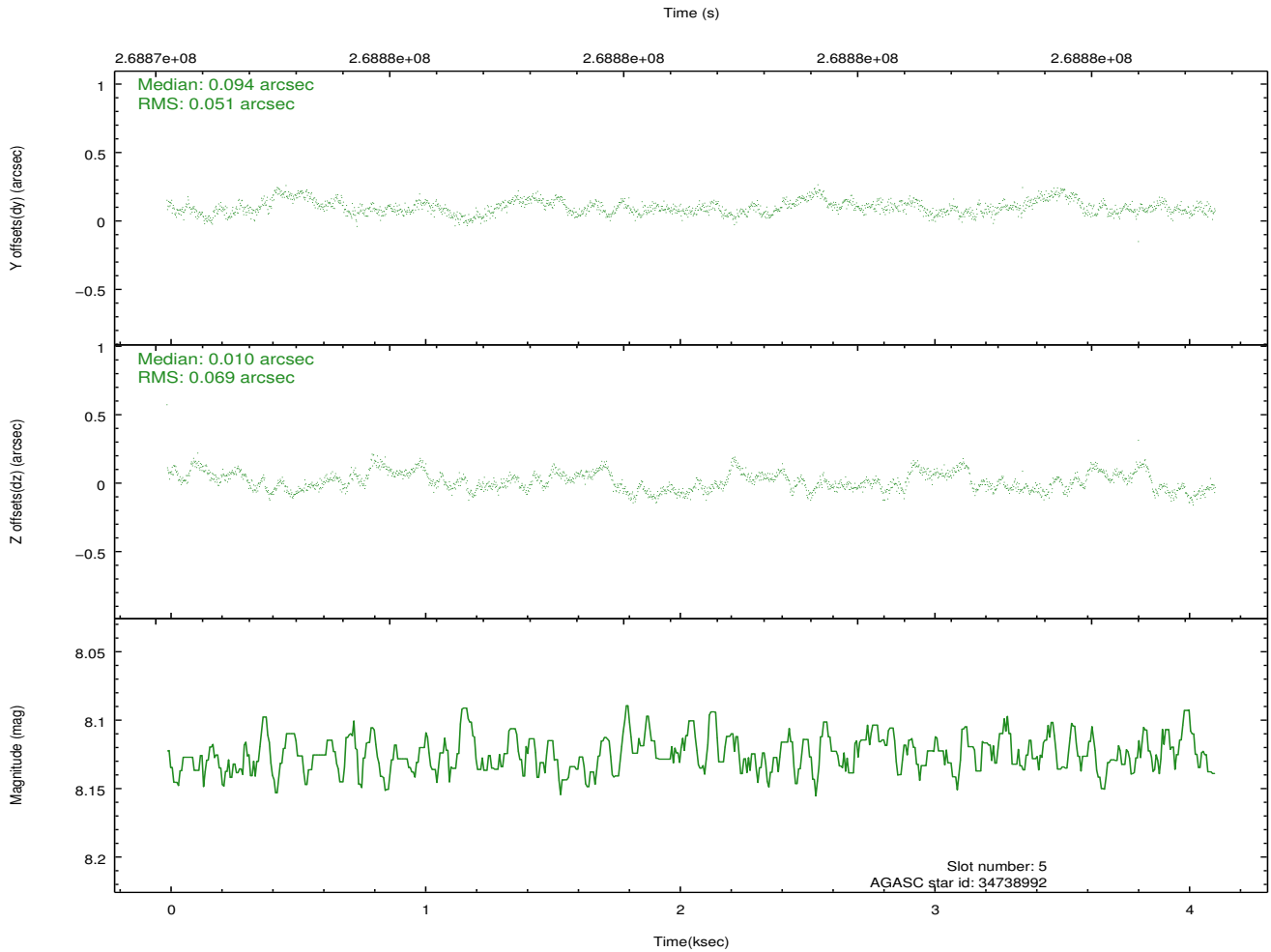
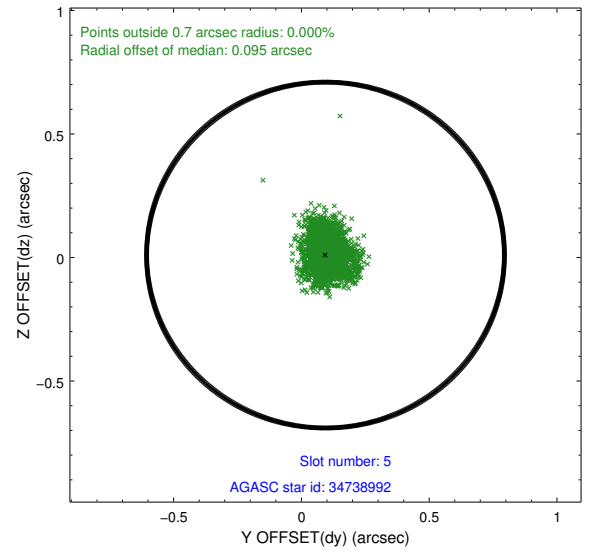
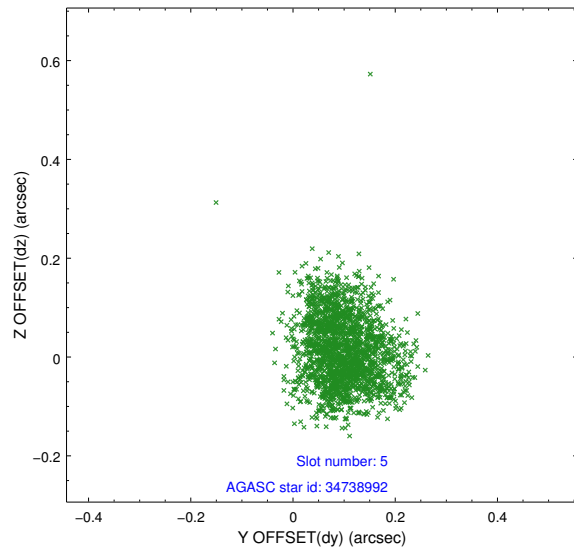
2.4.1 Slot 3



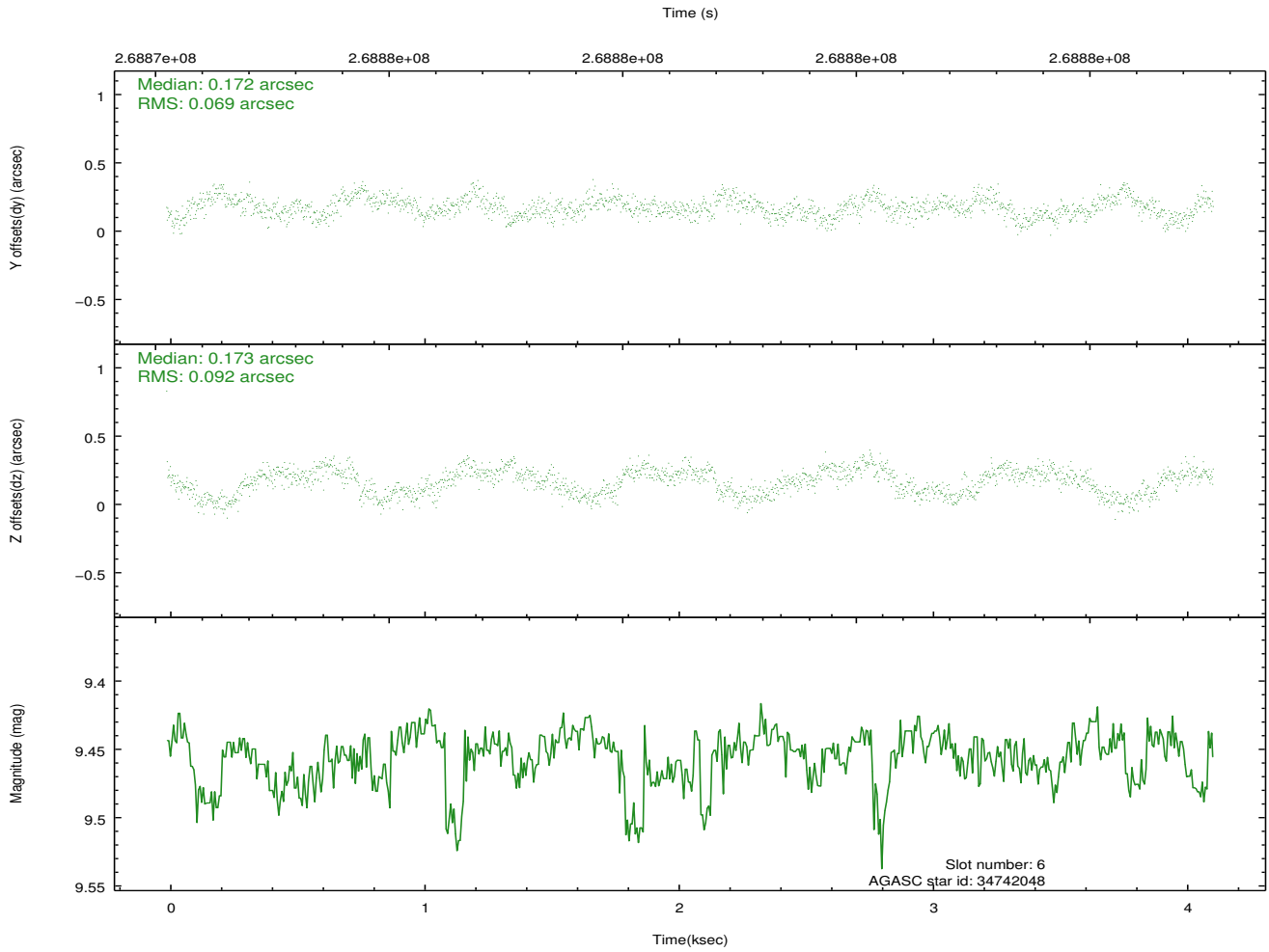
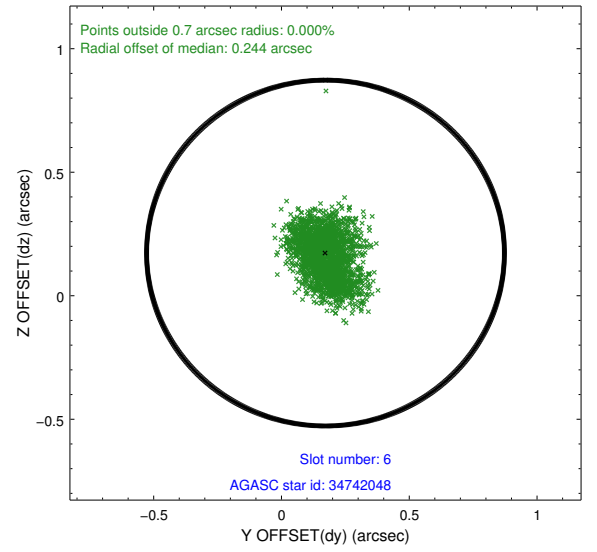
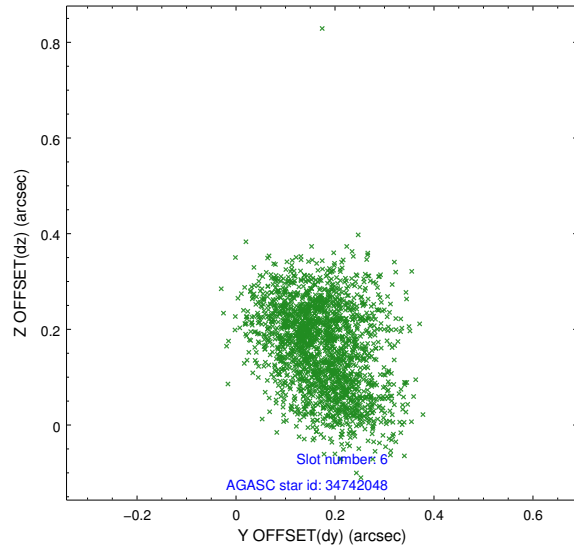
2.4.2 Slot 4



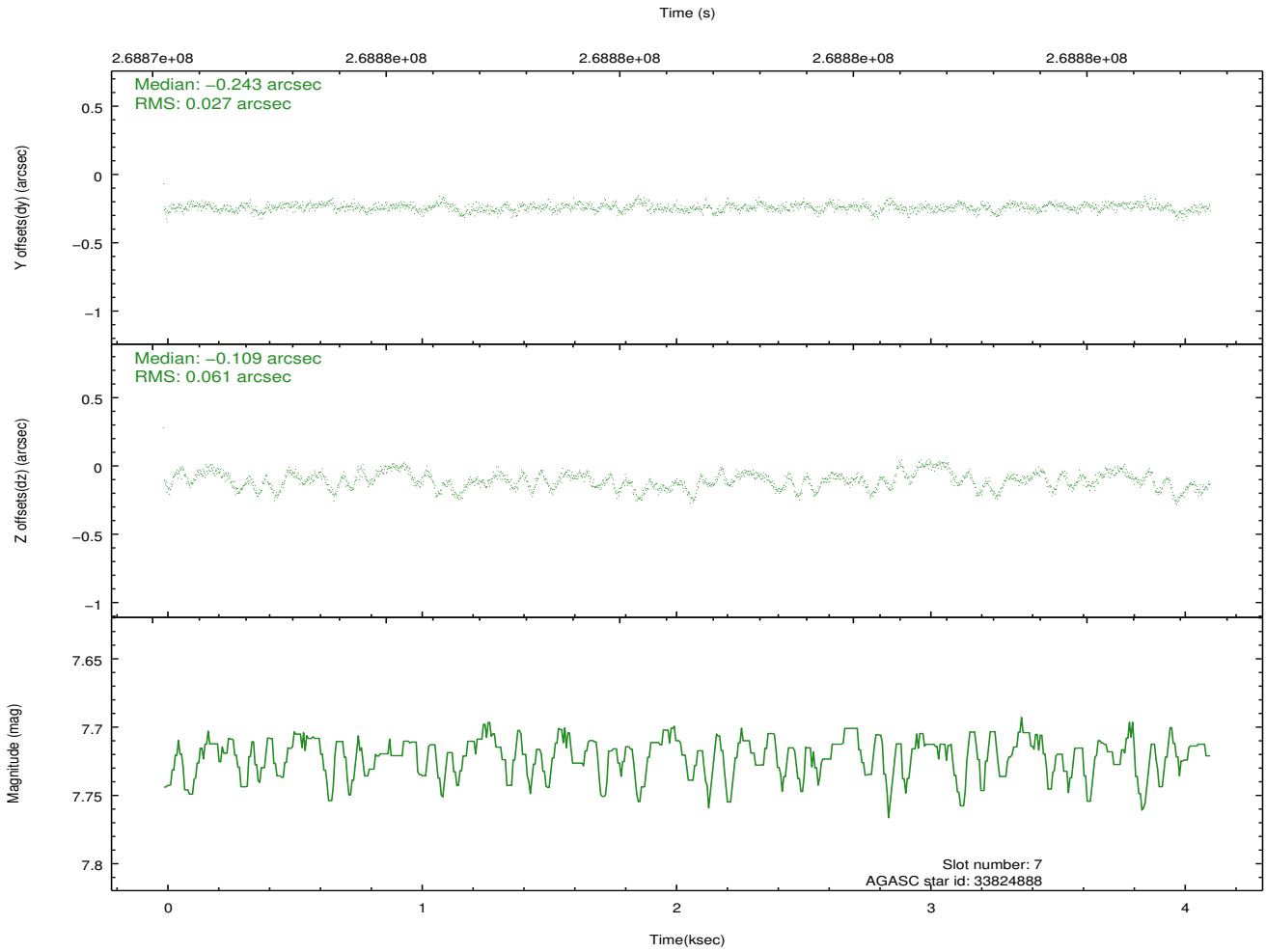
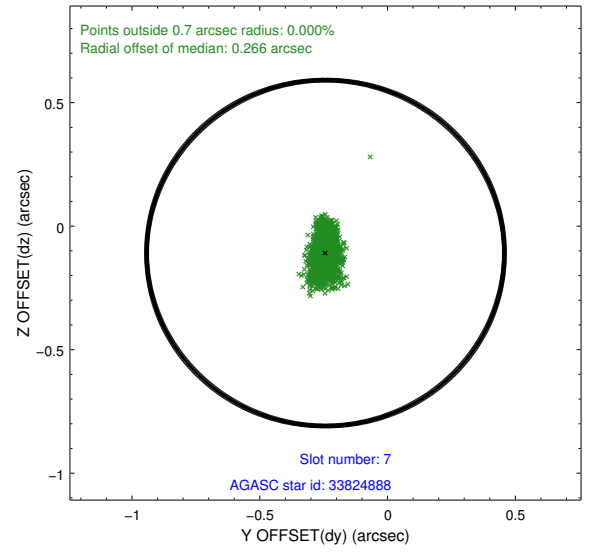
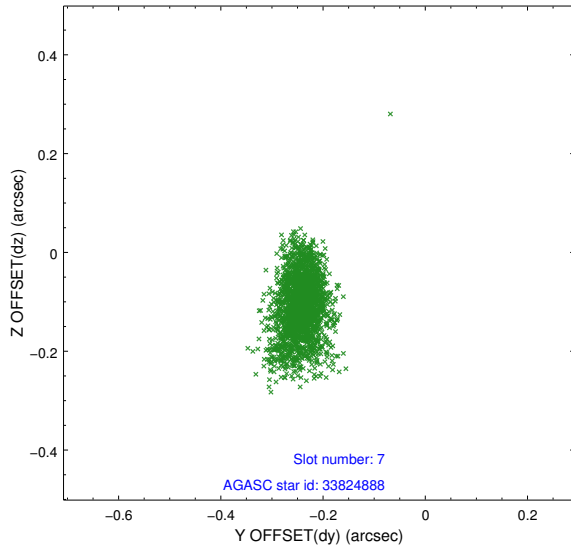
2.4.3 Slot 5



2.4.4 Slot 6

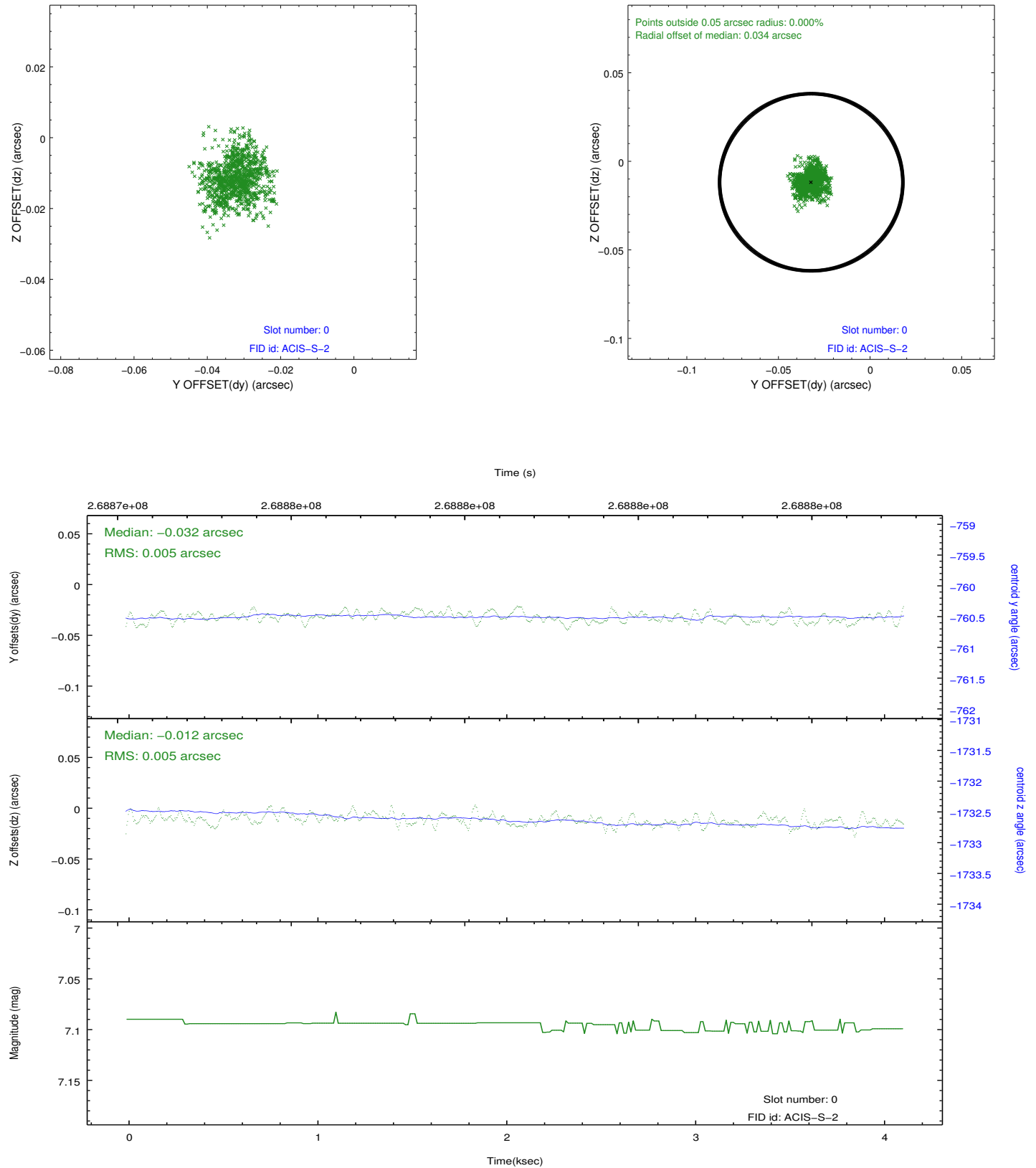


2.4.5 Slot 7

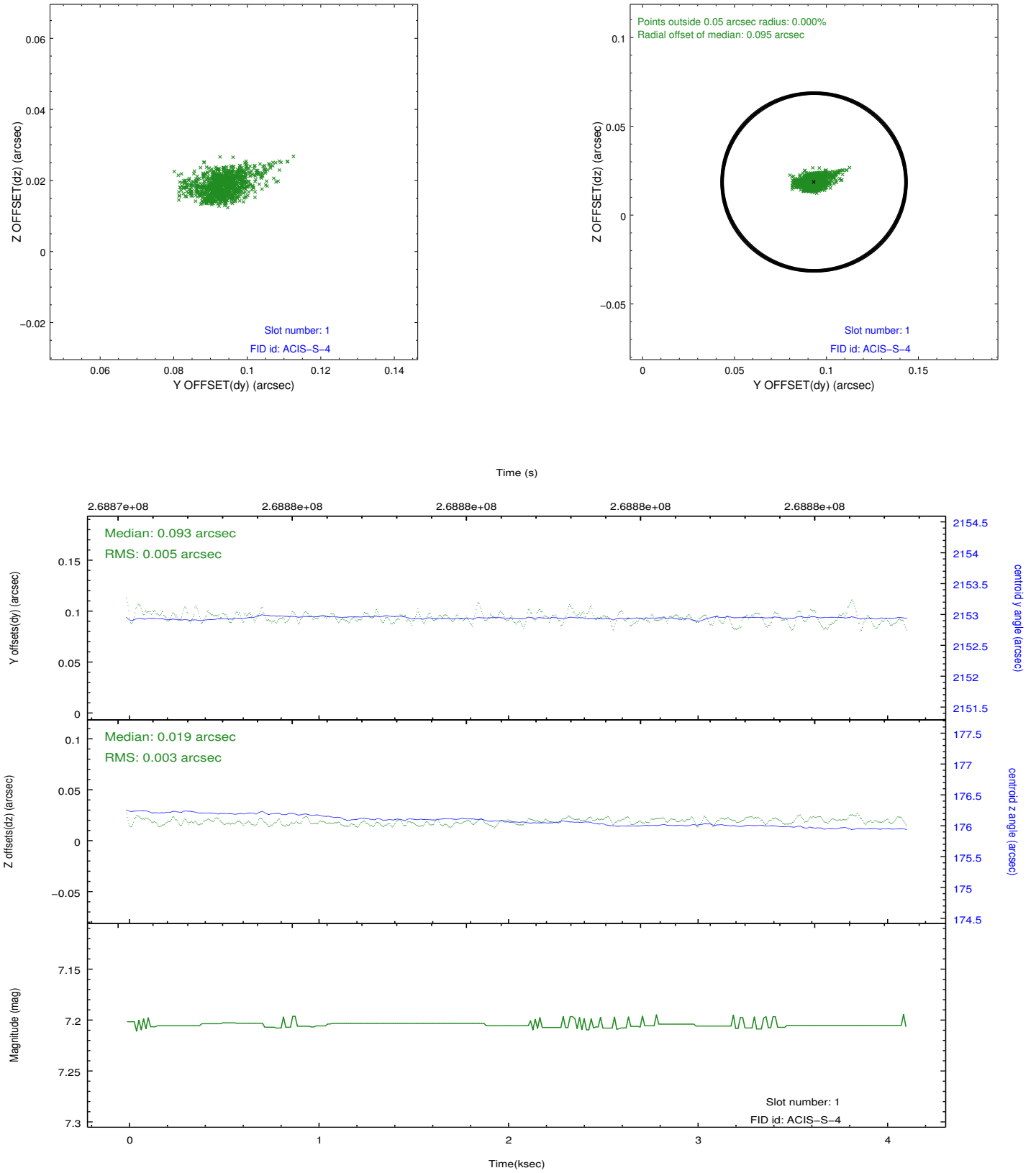


2.5 FID Slots

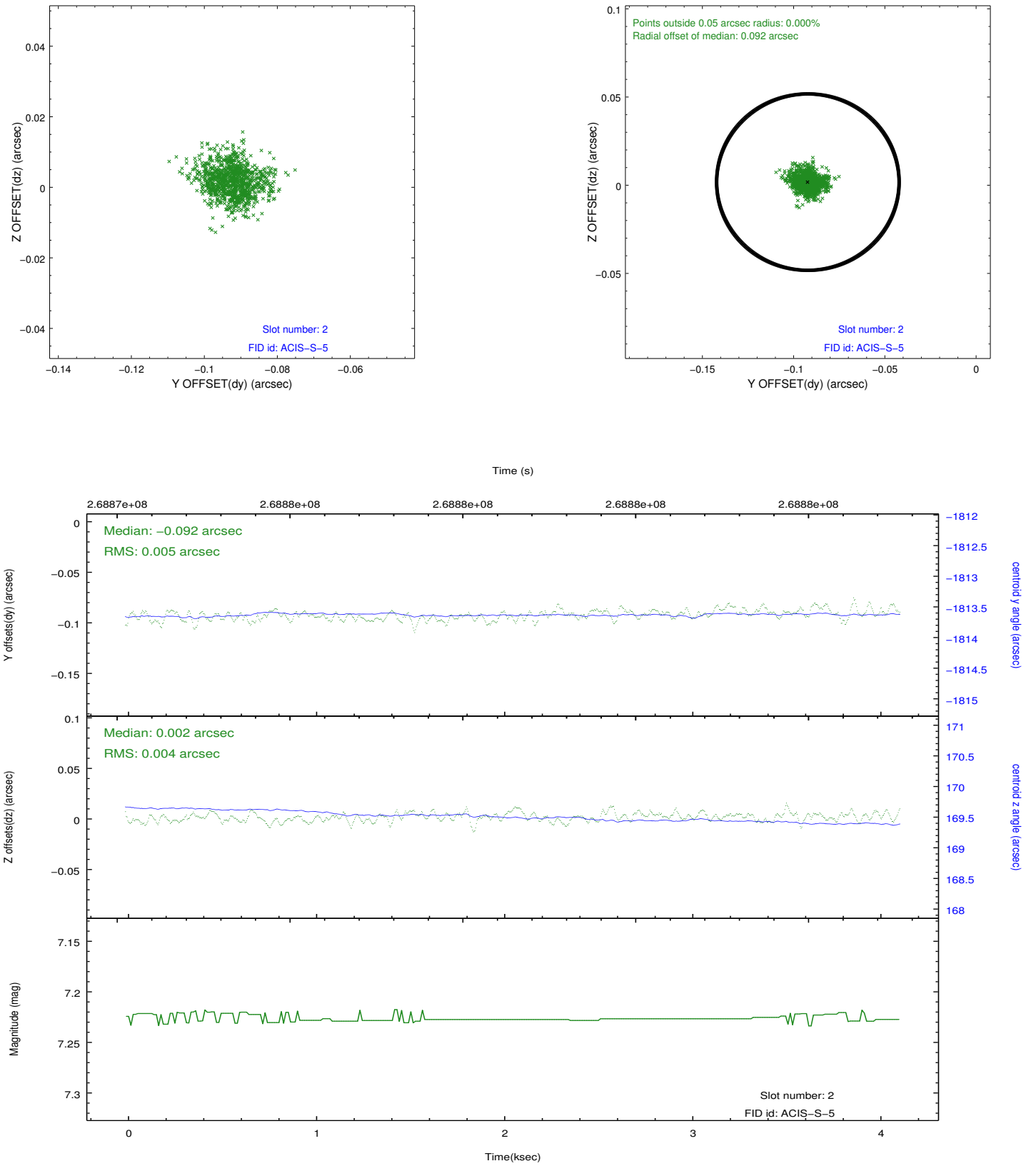
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.10879998

A.2 Comments