

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5187 - L2 Version 3
Chandra X-Ray Center

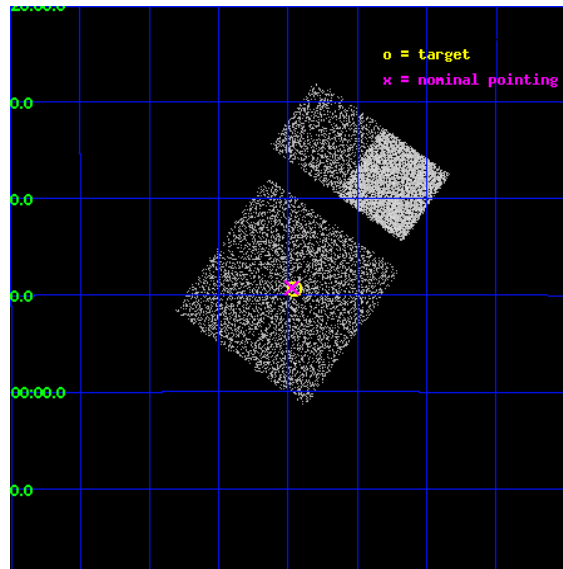
L2 Processing Date : Nov 8 2012

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1 Front

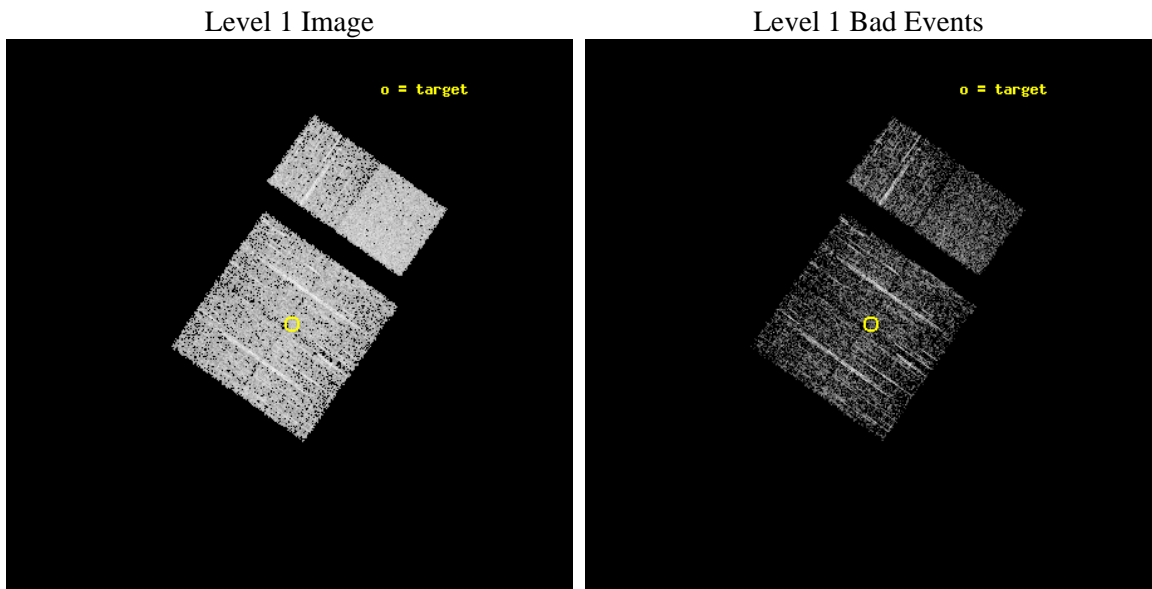
seq_num	200295	Sequence number
obs_id	5187	Observation id
title	Search for beta Pic analogs	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	zeta Lep	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	86.73875	Observer's specified target RA [deg]
dec_targ	-14.821944	Observer's specified target Dec [deg]
ra_nom	86.743237210856	Nominal RA [deg]
dec_nom	-14.820856914116	Nominal Dec [deg]
roll_nom	35.074434445193	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3062.1508519948	Sum of GTIs [s]
livetime	3023.3760541009	Livetime [s]
ontime0	3062.0277320147	Sum of GTIs [s]
ontime1	3062.0687719882	Sum of GTIs [s]
ontime2	3062.1098119915	Sum of GTIs [s]
ontime3	3062.1508519948	Sum of GTIs [s]
ontime6	3062.2329320014	Sum of GTIs [s]
ontime7	3062.1918919981	Sum of GTIs [s]
l2events	16326	Number of level 2 events



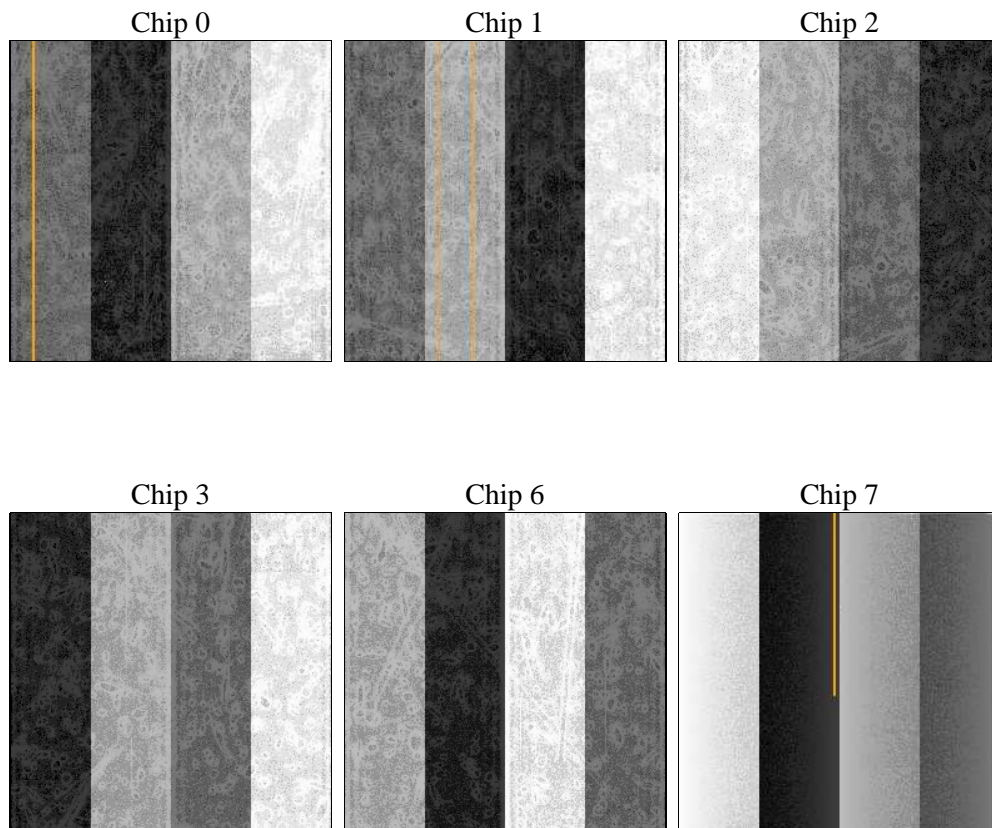
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	2934.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3062.1508519948	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	3062.0277320147	Sum of GTIs [s]
date	2012-11-08T07:38:32	Date and time of file creation	ontime1	3062.0687719882	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3062.1098119915	Sum of GTIs [s]
			ontime3	3062.1508519948	Sum of GTIs [s]
			ontime6	3062.2329320014	Sum of GTIs [s]
			ontime7	3062.1918919981	Sum of GTIs [s]
			l1events	93873	Number of level 1 events

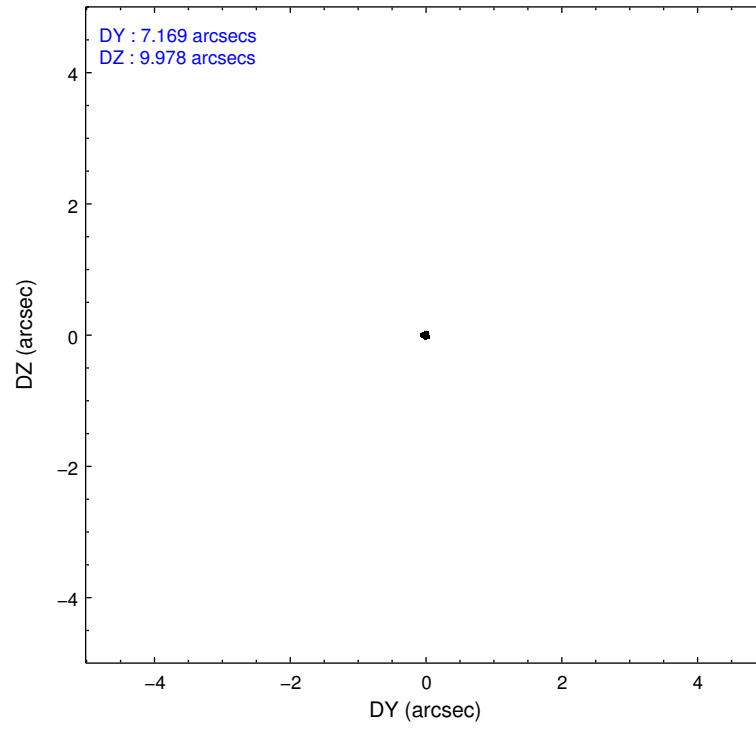
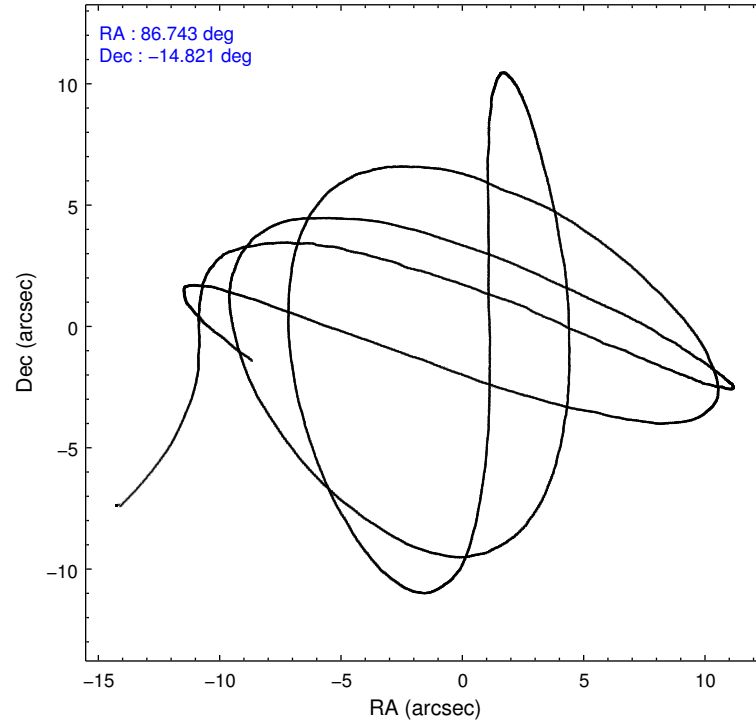
2.1.4 Events

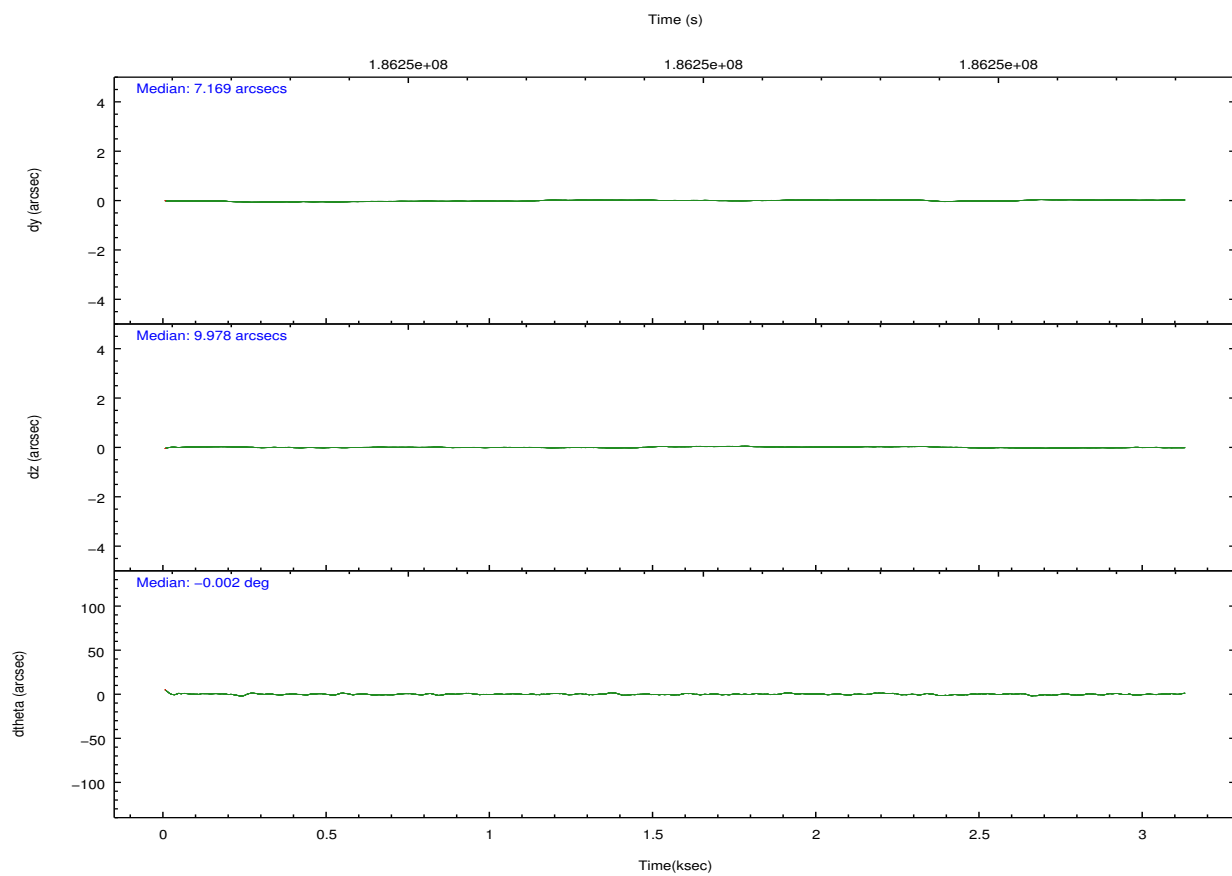
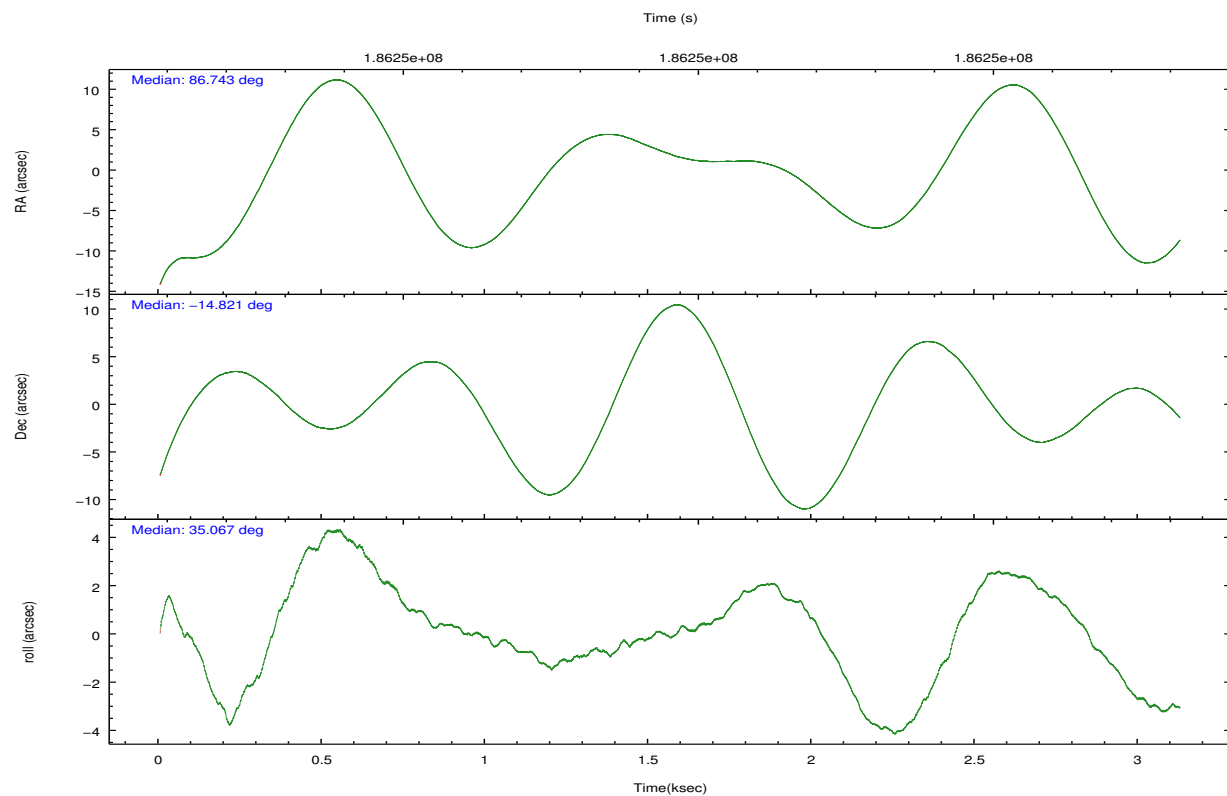
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	13020	15288	14715	14621	15480	20749	grade 0 events	816	812	840	790	741	783
rejected events	11139	13330	12808	12803	13606	12332		6%	5%	5%	5%	4%	3%
rejected %	85%	87%	87%	87%	87%	59%	grade 1 events	7	7	5	10	7	16
								0%	0%	0%	0%	0%	0%
							grade 2 events	380	412	404	378	358	1676
								2%	2%	2%	2%	2%	8%
							grade 3 events	211	176	168	162	169	750
								1%	1%	1%	1%	1%	3%
							grade 4 events	160	165	191	164	178	711
								1%	1%	1%	1%	1%	3%
							grade 5 events	627	683	606	702	715	1998
								4%	4%	4%	4%	4%	9%
							grade 6 events	319	393	306	326	431	4505
								2%	2%	2%	2%	2%	21%
							grade 7 events	10500	12640	12195	12089	12881	10310
								80%	82%	82%	82%	83%	49%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	86.731607	86.74323721085614	Subarray requested	NONE	NONE
[deg] Pointing Dec	-14.845849	-14.82085691411582	Alternating exposures requested	N	N
[deg] Pointing Roll	34.862750	35.07443444519335	[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)	186248532.184000	186247491.07781			
Observation start date	2003-11-26T15:41:08	2003-11-26T15:24:51			
[s] Observation end time (MET)	186251466.184000	186252385.45303			
Observation end date	2003-11-26T16:30:02	2003-11-26T16:46:25			
Read mode	TIMED	TIMED			

2.3 Aspect



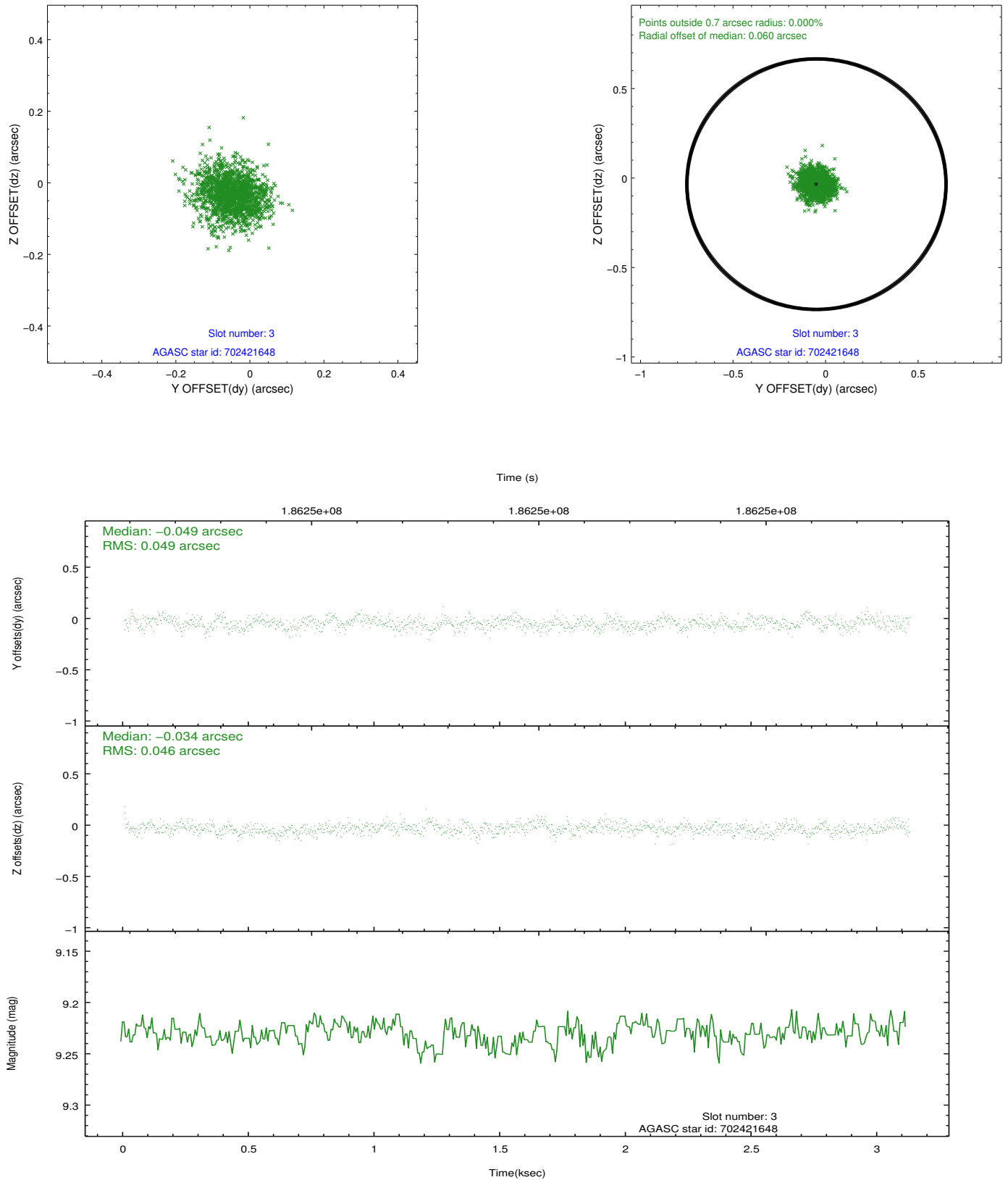


Slot Statistics

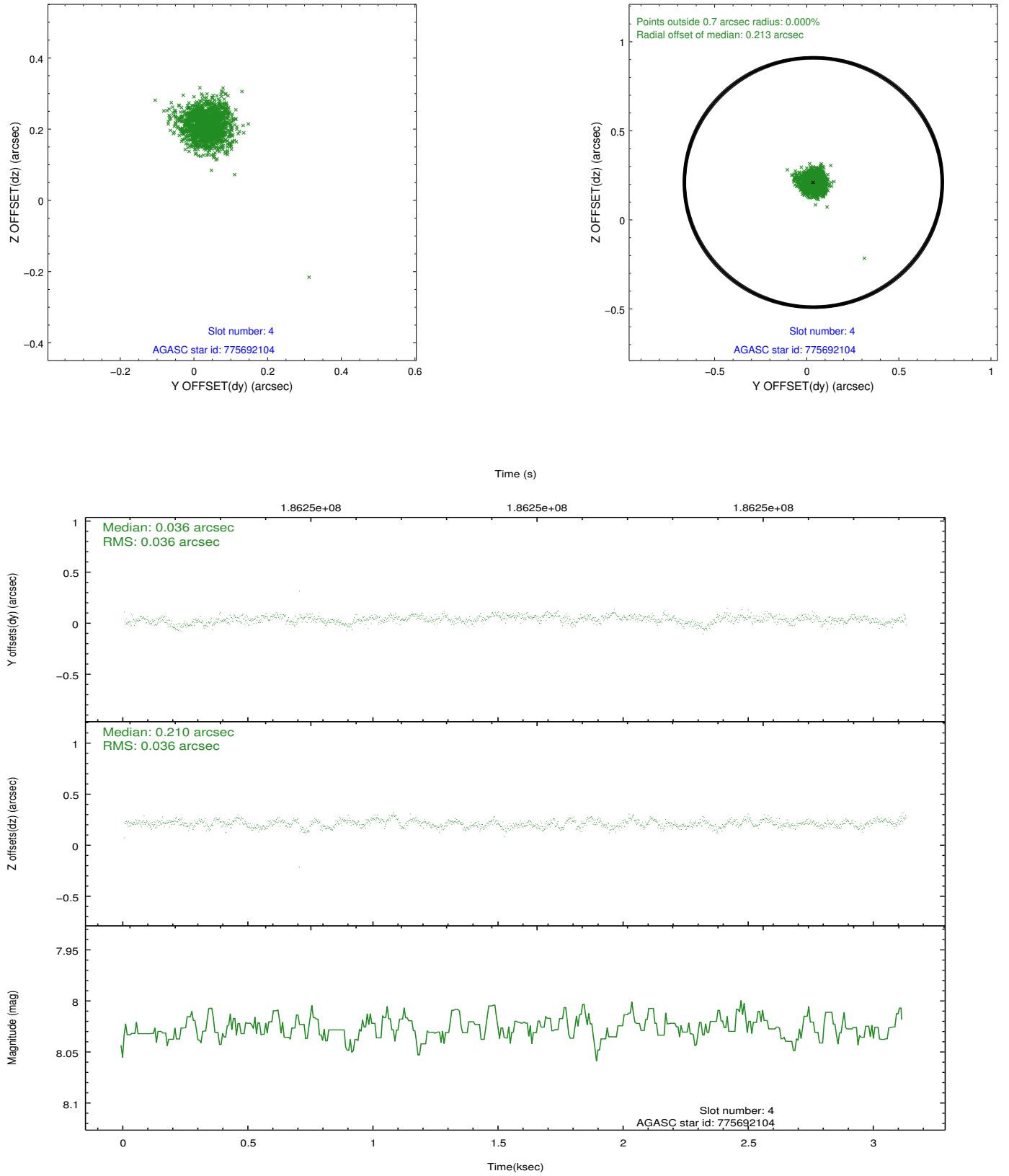
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	763	-0.051	0.074	0.008	0.012	0.000000	0.000000	932.47	-833.37
1	FID	ACIS-I-2	7.13	763	-0.061	-0.068	0.007	0.012	0.000000	0.000000	-760.50	-840.98
2	FID	ACIS-I-6	7.25	763	0.021	0.060	0.006	0.011	0.000000	0.000000	397.24	1707.40
3	GUIDE	702421648	9.23	1525	-0.049	-0.034	0.072	0.115	86.916928	-14.428912	1388.36	861.58
4	GUIDE	775692104	8.03	1525	0.036	0.210	0.052	0.084	86.255974	-15.240918	-2168.08	-224.14
5	GUIDE	775693848	7.75	1525	0.081	-0.033	0.063	0.100	86.864143	-15.252214	-459.13	-1464.33
6	GUIDE	775697728	8.71	1525	-0.010	0.062	0.081	0.129	86.844598	-15.451562	-924.24	-2014.97
7	GUIDE	702289840	8.05	1523	-0.055	-0.207	0.081	0.129	86.027432	-14.511852	-1329.01	2384.07

2.4 Star Slots

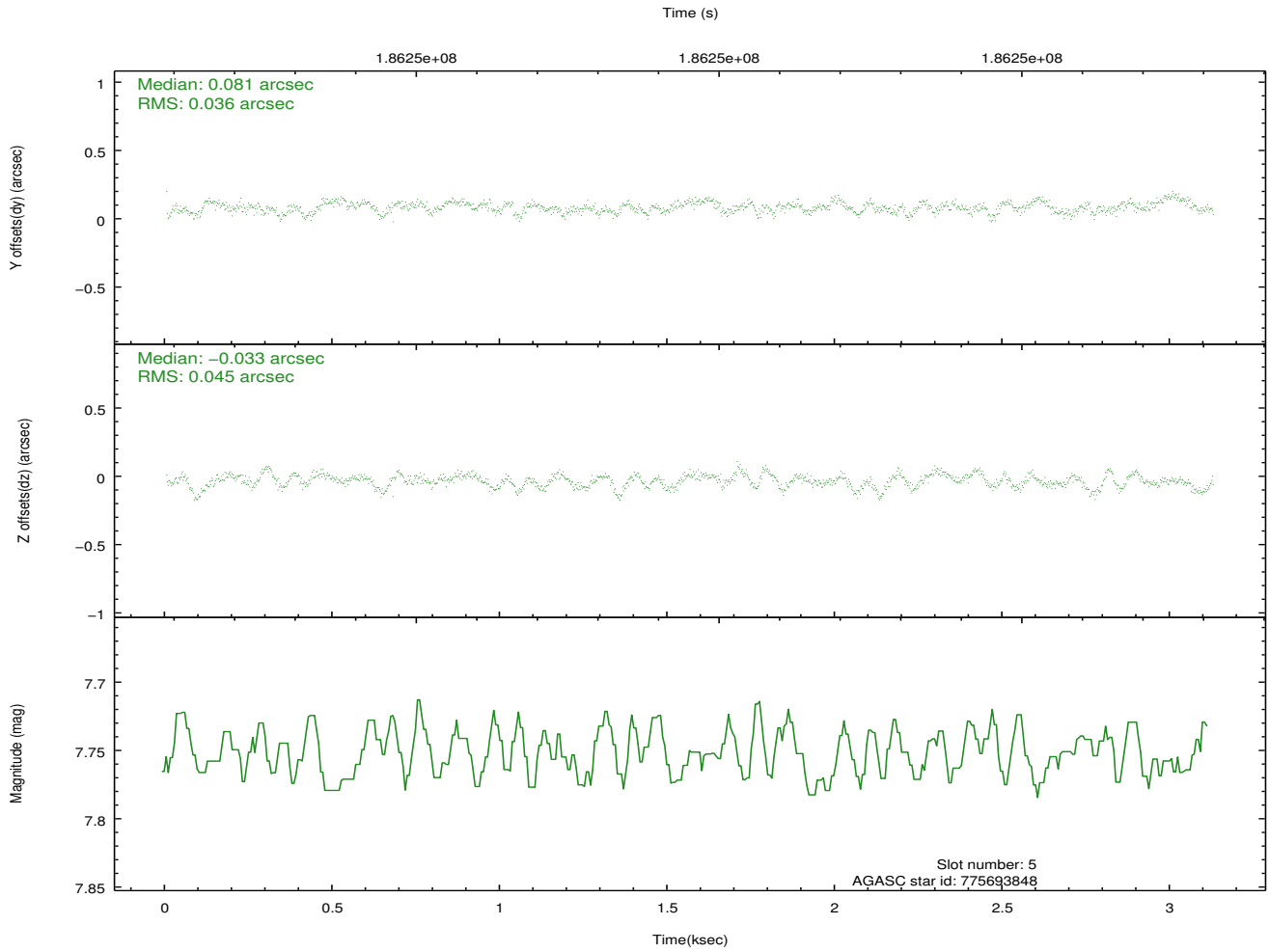
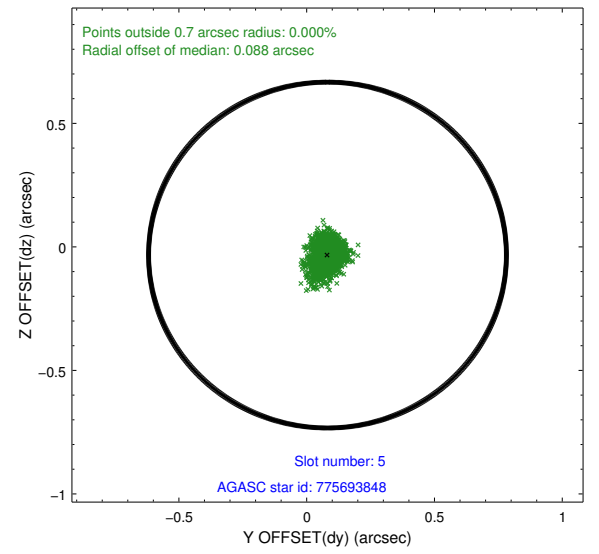
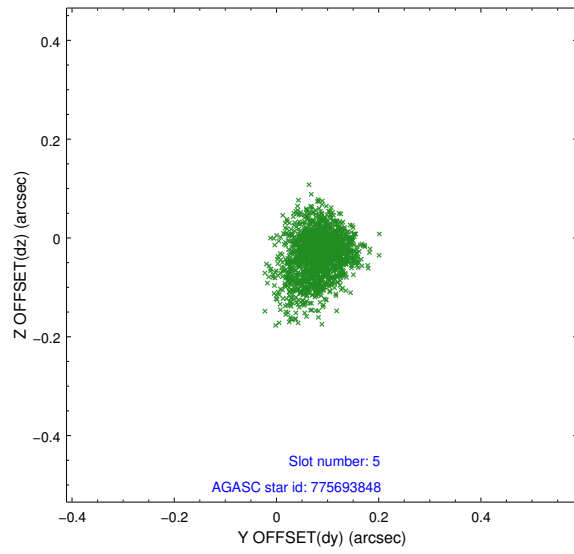
2.4.1 Slot 3



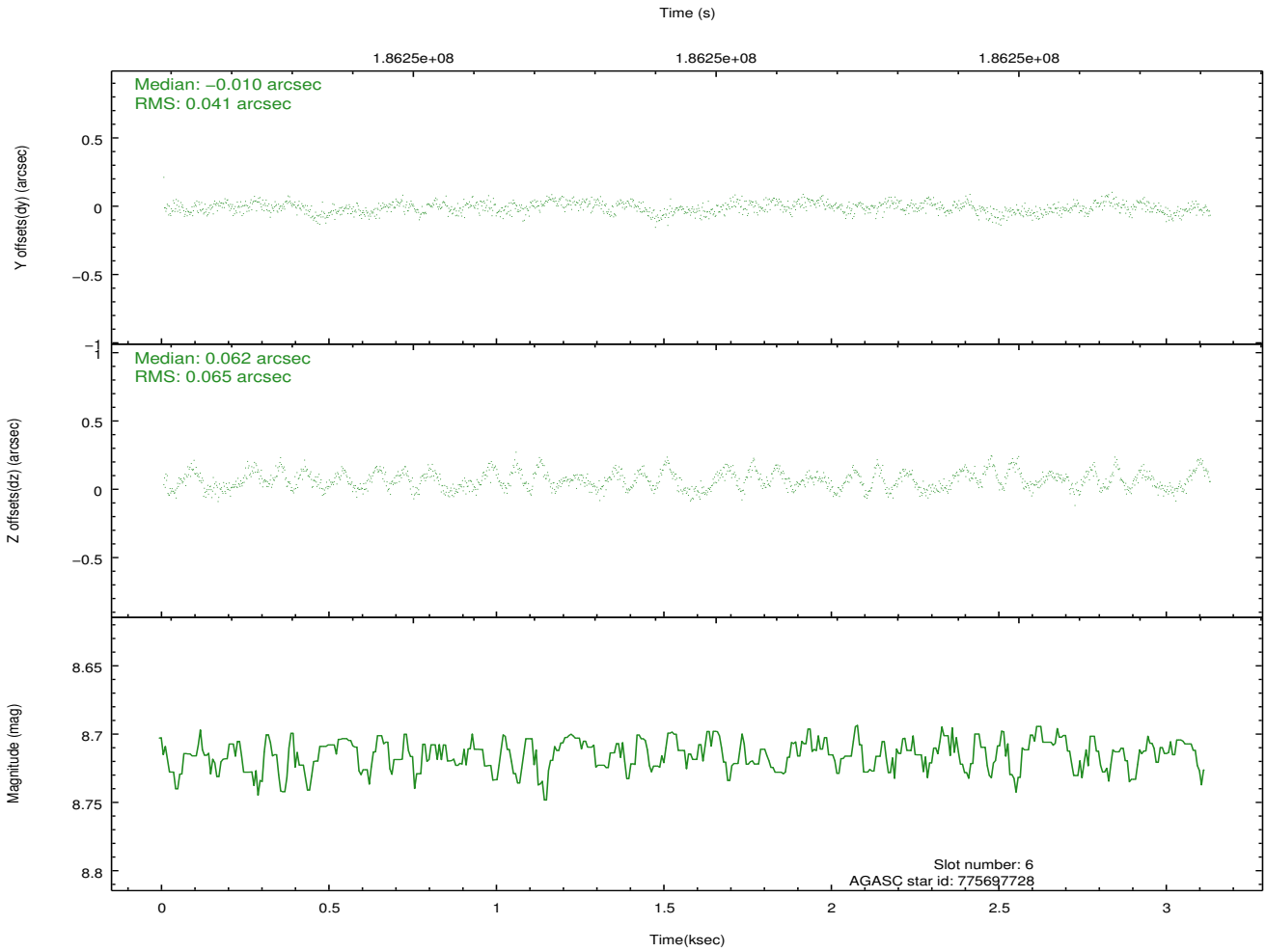
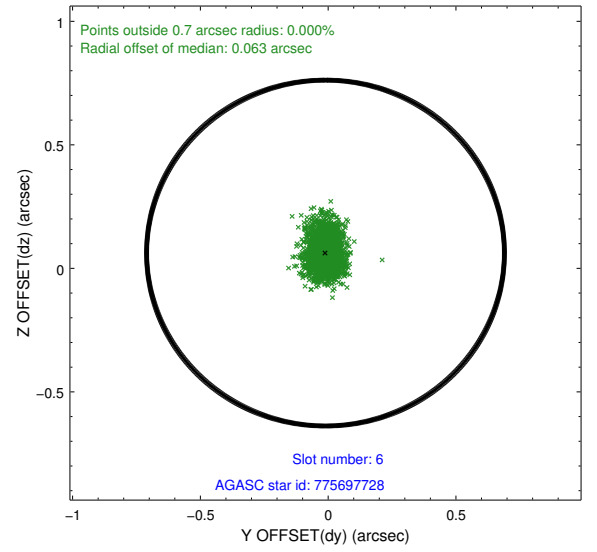
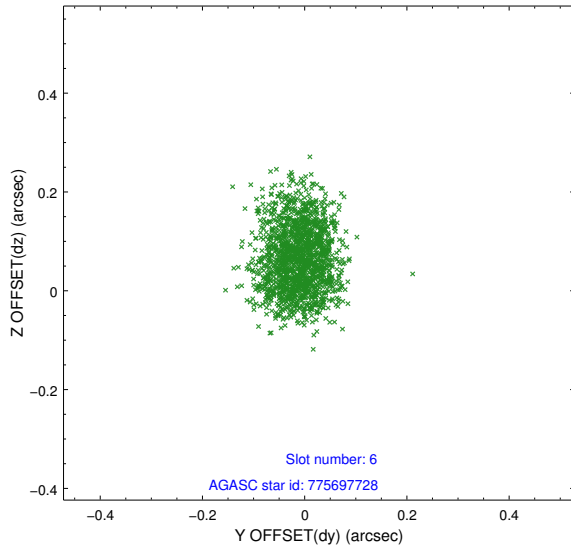
2.4.2 Slot 4



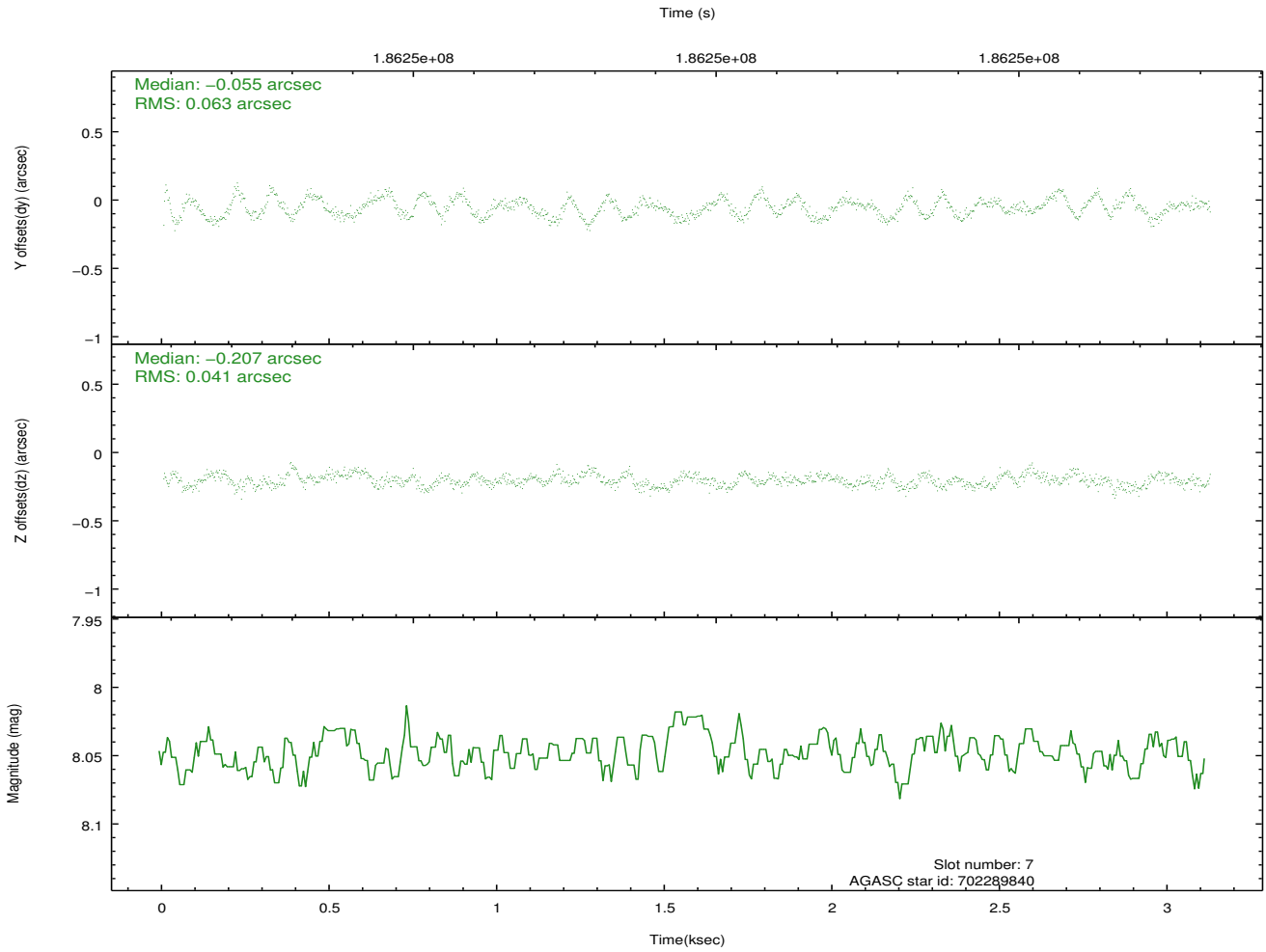
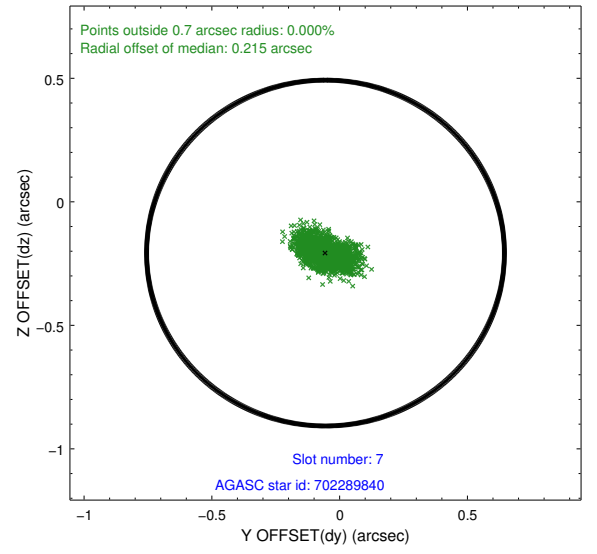
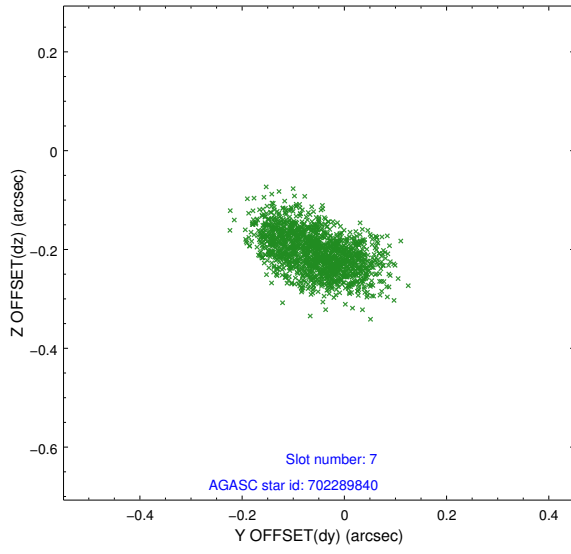
2.4.3 Slot 5



2.4.4 Slot 6

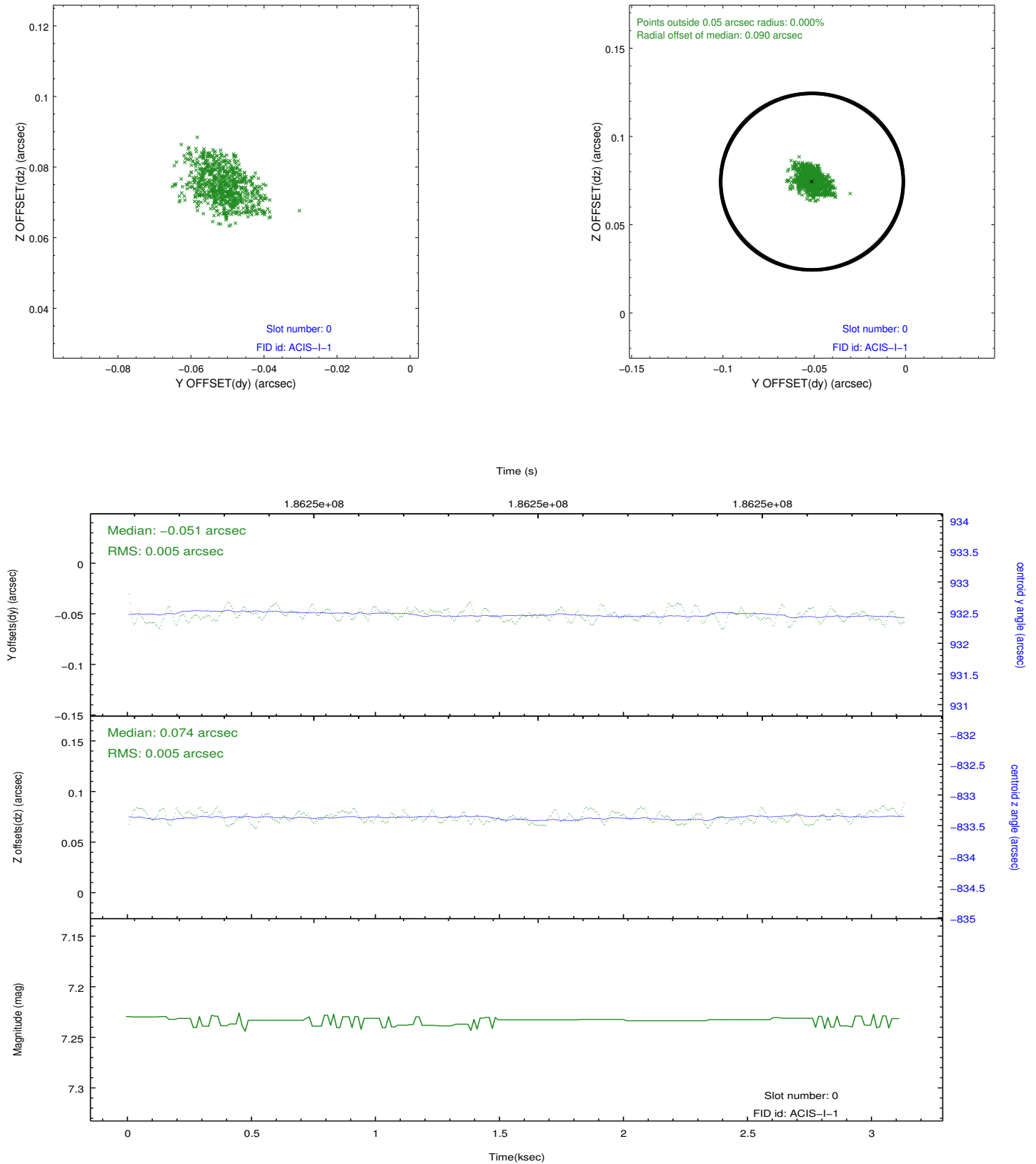


2.4.5 Slot 7

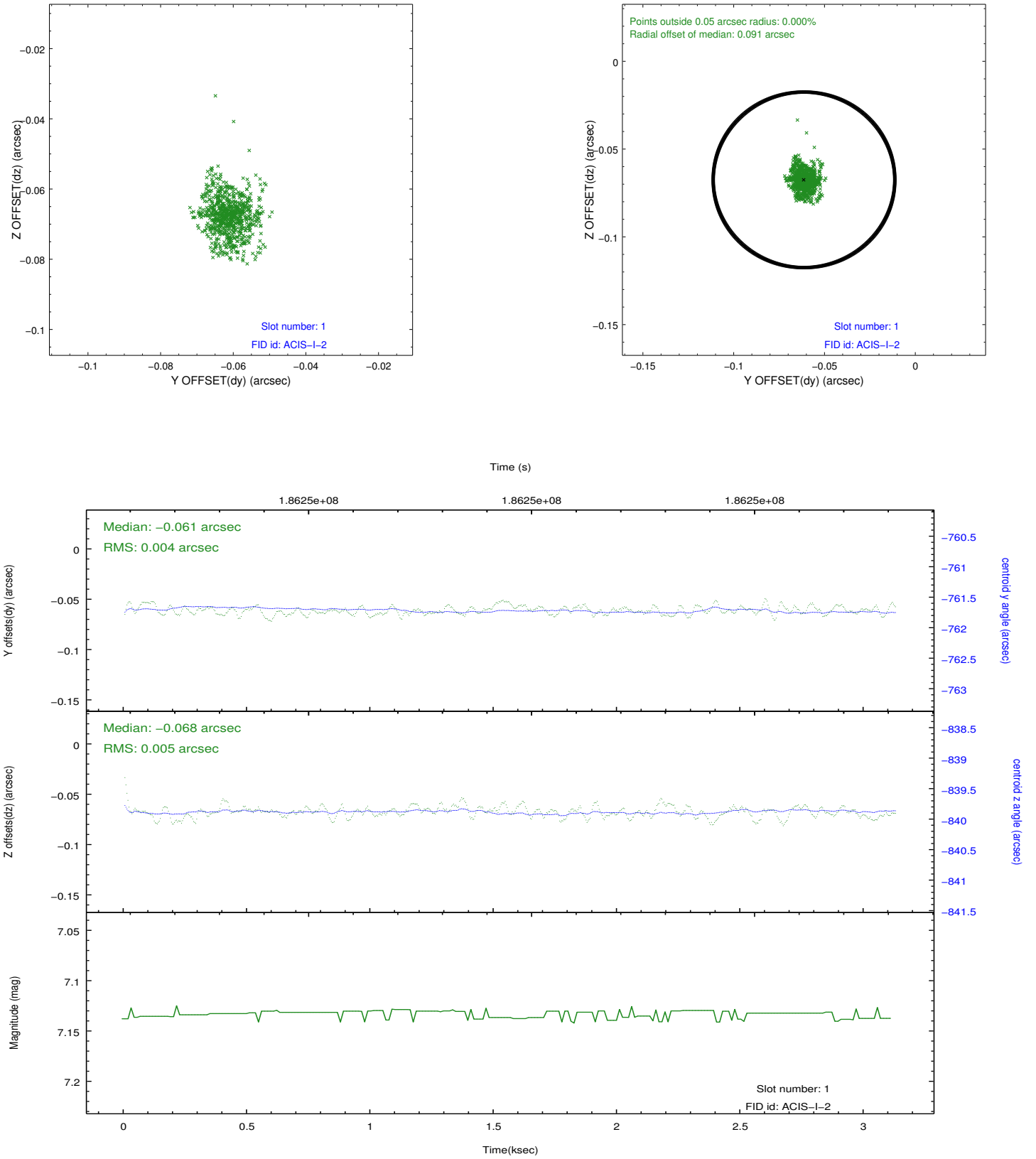


2.5 FID Slots

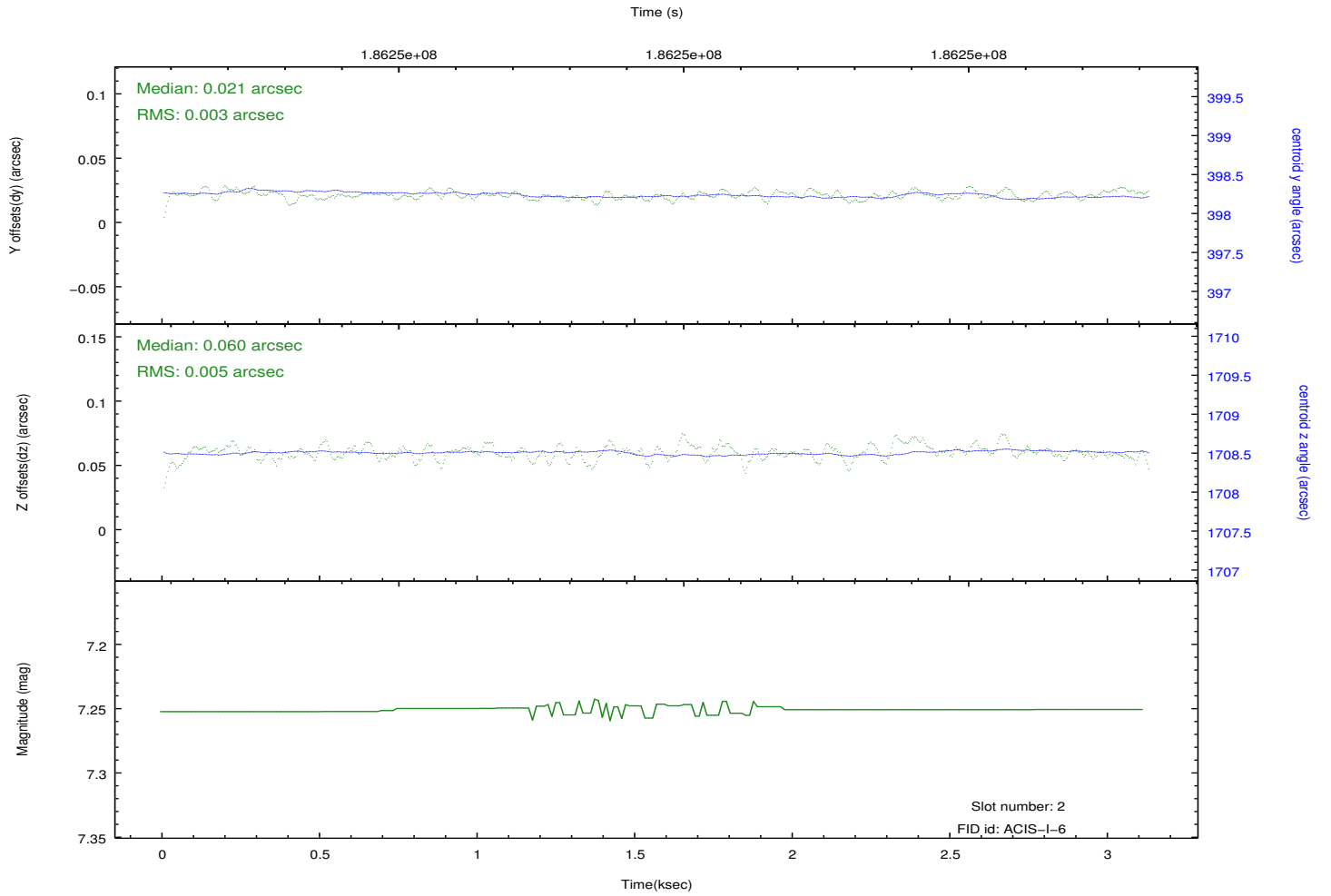
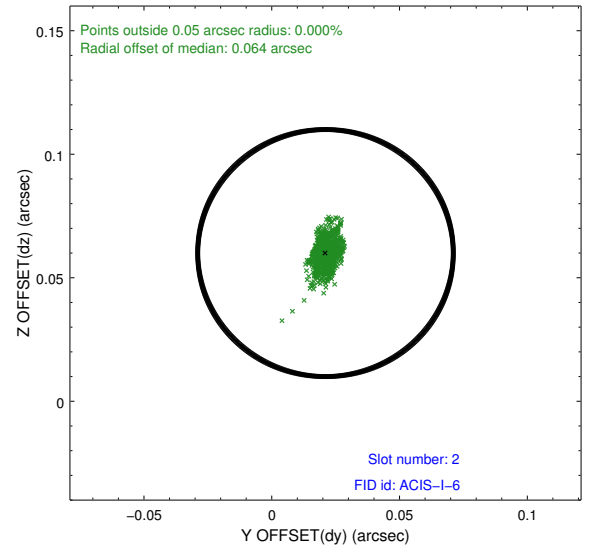
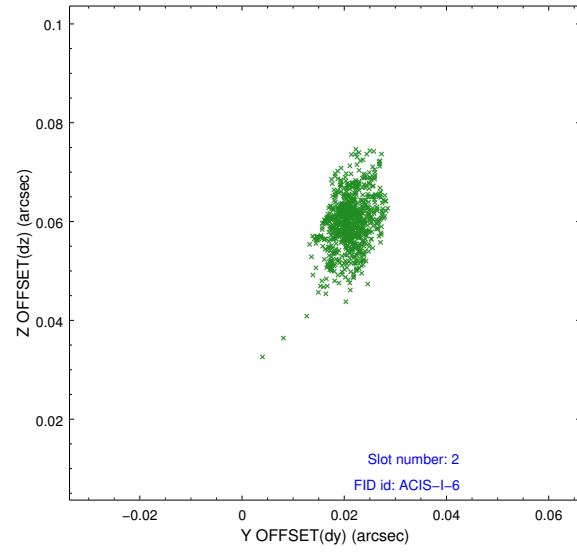
2.5.1 Slot 0



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)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.062

A.2 Comments