

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10652 - L2 Version 2
Chandra X-Ray Center

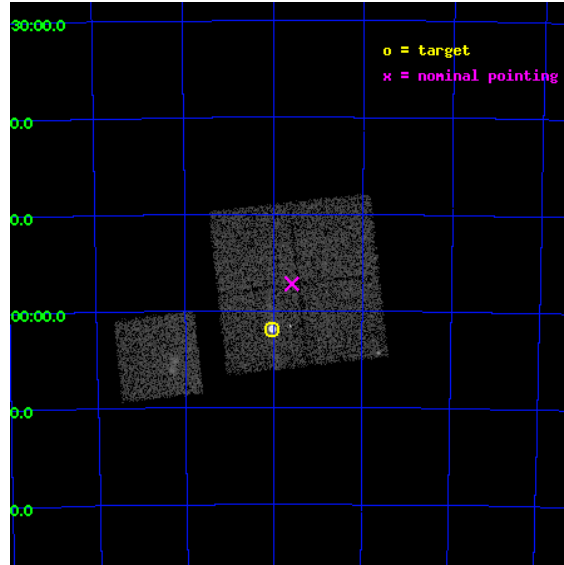
L2 Processing Date : May 28 2012

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1 Front

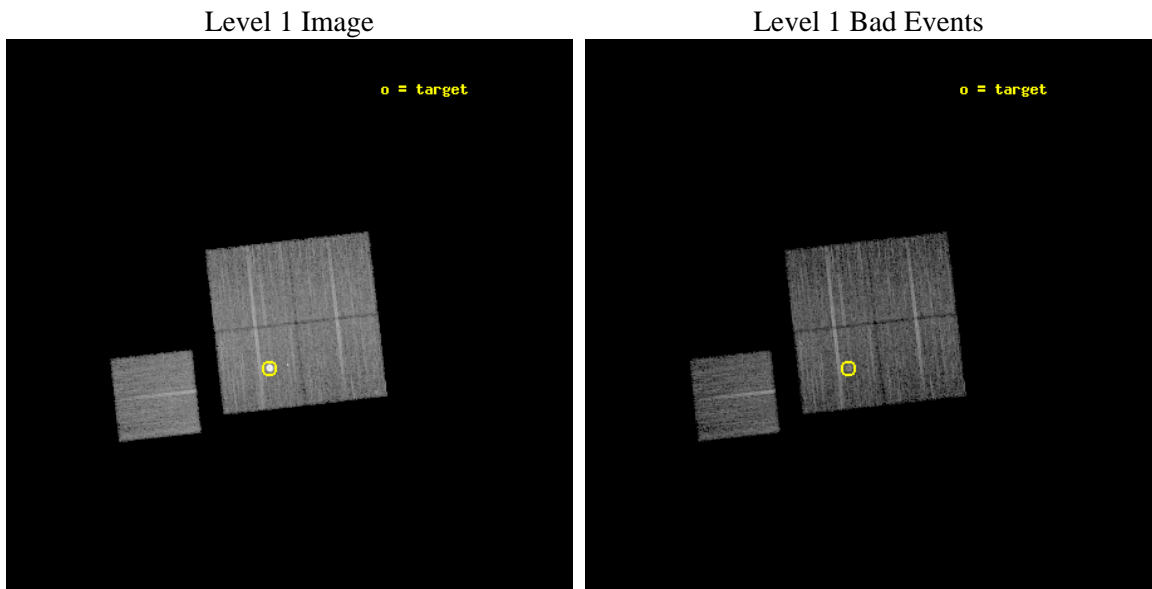
seq_num	590491	Sequence number
obs_id	10652	Observation id
title	AO-10 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[I2,-120,4.7,2.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	15.897918789787	Nominal RA [deg]
dec_nom	-71.953572425605	Nominal Dec [deg]
roll_nom	263.5985884905	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8174.6181022525	Sum of GTIs [s]
livetime	8067.8106986803	Livetime [s]
ontime0	8177.759072721	Sum of GTIs [s]
ontime1	8174.6181422472	Sum of GTIs [s]
ontime2	8174.6181022525	Sum of GTIs [s]
ontime3	8180.9000629187	Sum of GTIs [s]
ontime6	8180.9000629187	Sum of GTIs [s]
l2events	51766	Number of level 2 events



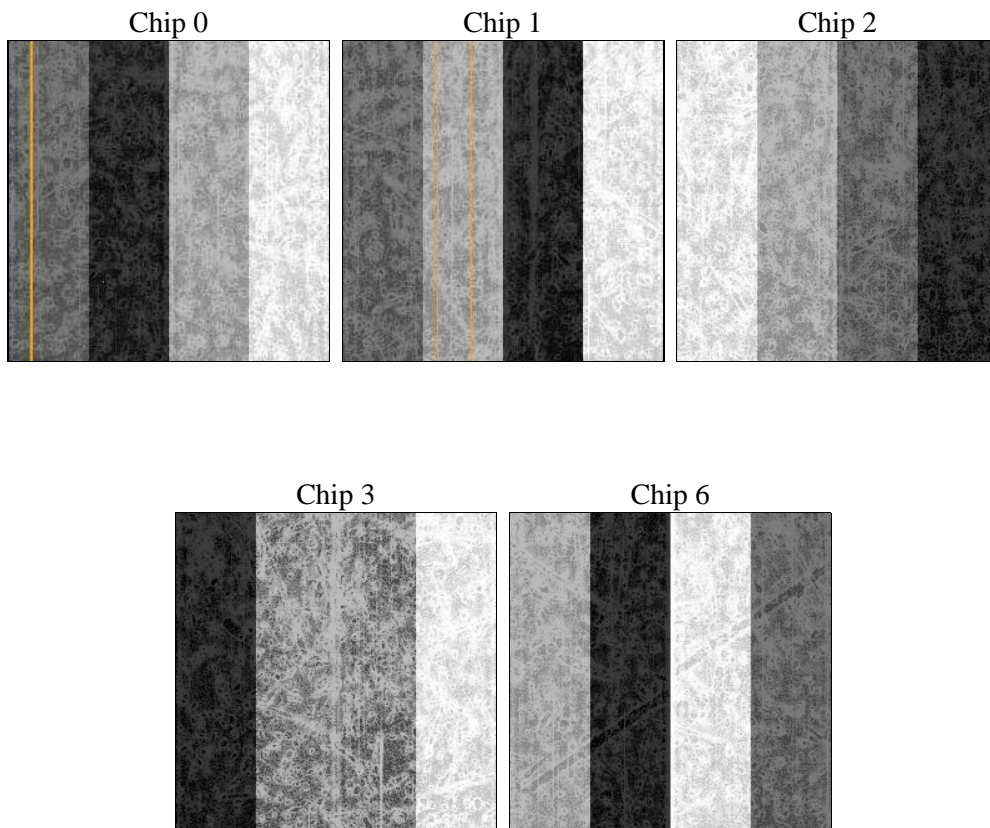
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8174.6181022525	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	8177.759072721	Sum of GTIs [s]
date	2012-05-29T01:53:30	Date and time of file creation	ontime1	8174.6181422472	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8174.6181022525	Sum of GTIs [s]
			ontime3	8180.9000629187	Sum of GTIs [s]
			ontime6	8180.9000629187	Sum of GTIs [s]
			l1events	359087	Number of level 1 events

2.1.4 Events

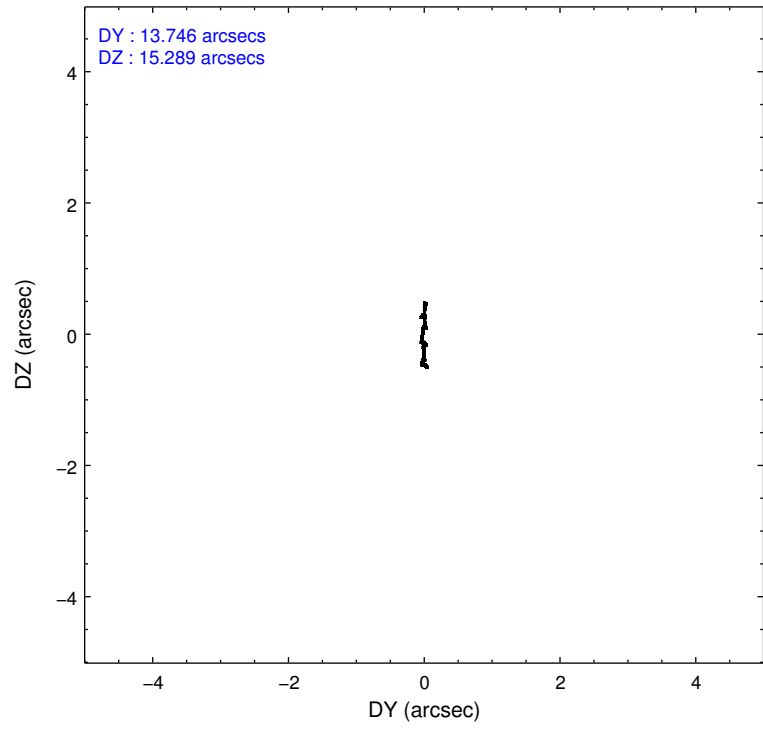
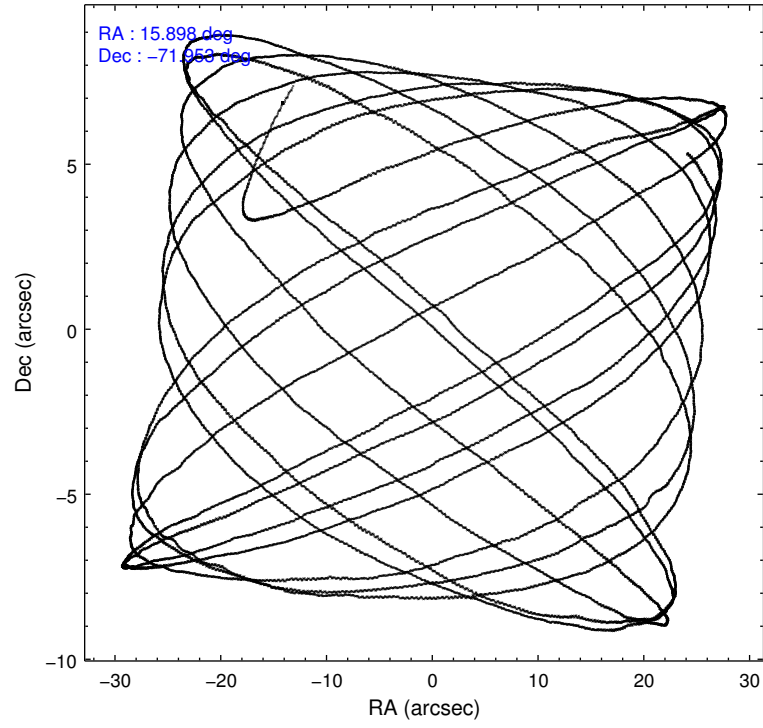
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	62698	63977	96389	68025	67998
rejected events	55644	56779	66391	61694	60724
rejected %	88%	88%	68%	90%	89%

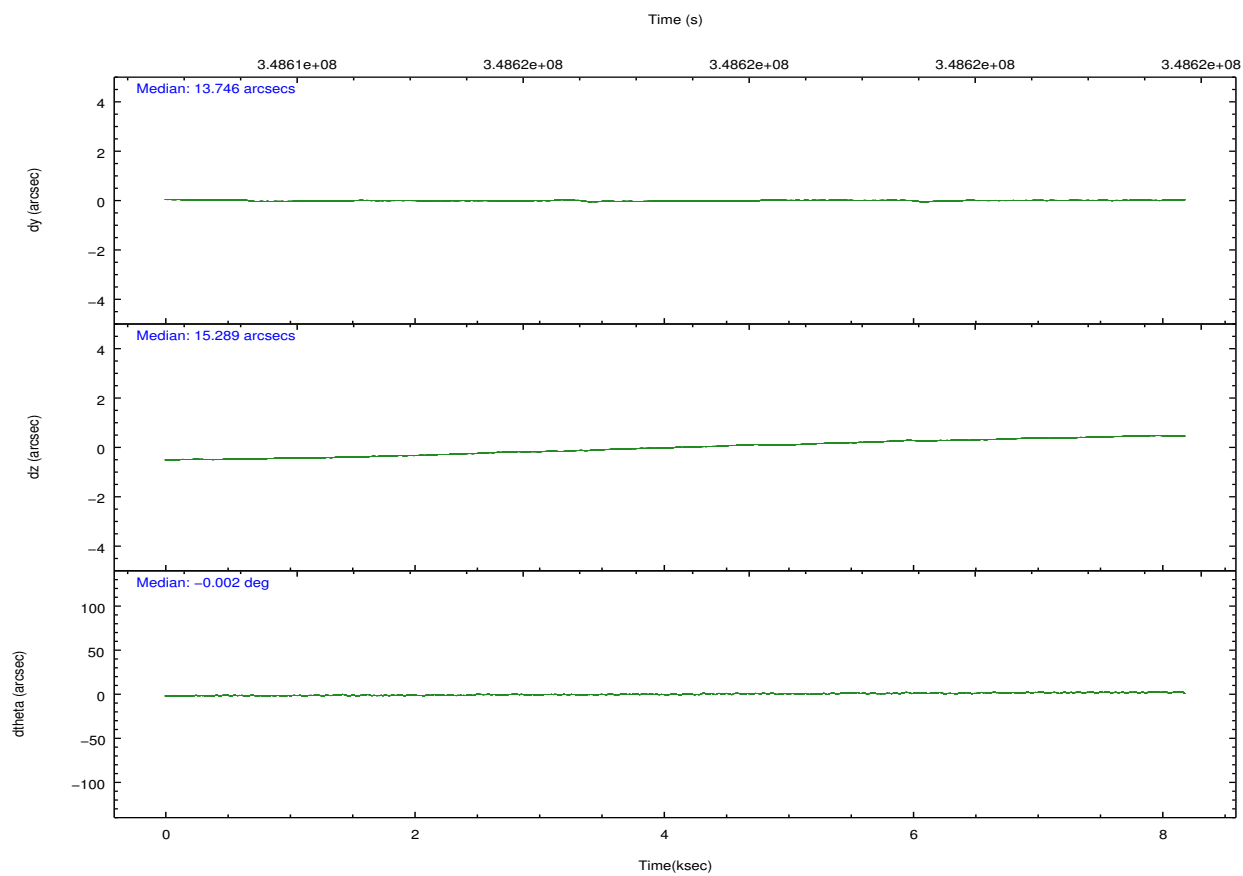
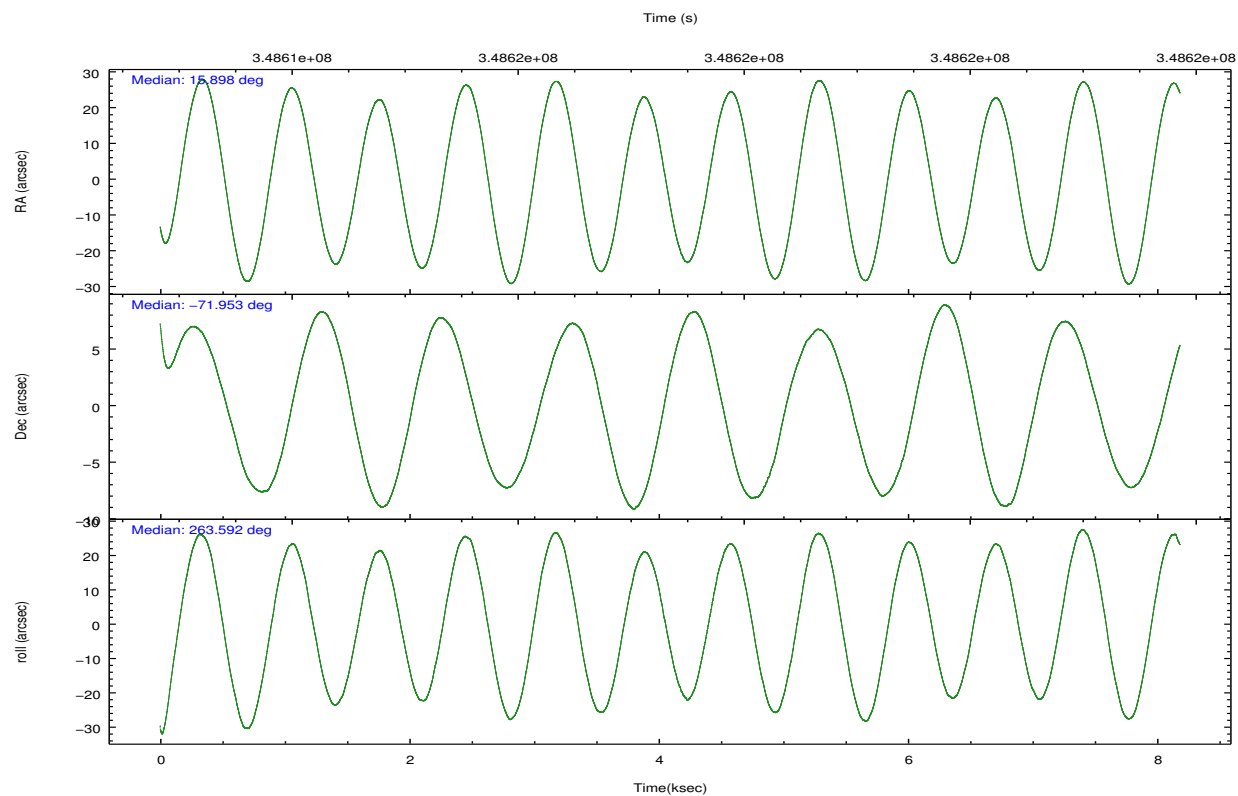
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2934	2734	23652	2512	3040
	4%	4%	24%	3%	4%
grade 1 events	35	33	268	58	37
	0%	0%	0%	0%	0%
grade 2 events	1664	1593	3289	1367	1569
	2%	2%	3%	2%	2%
grade 3 events	788	785	1130	696	741
	1%	1%	1%	1%	1%
grade 4 events	740	771	1111	726	786
	1%	1%	1%	1%	1%
grade 5 events	2013	2291	2065	2351	2216
	3%	3%	2%	3%	3%
grade 6 events	1215	1516	1382	1220	1352
	1%	2%	1%	1%	1%
grade 7 events	53309	54254	63492	59095	58257
	85%	84%	65%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	15.862010	15.89791878978659	Subarray requested	NONE	NONE
[deg] Pointing Dec	-71.928453	-71.95357242560485	Alternating exposures requested	N	N
[deg] Pointing Roll	263.355787	263.5985884904986	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	344476865.184000	344476865.184000			
[s] Window stop time (MET)	357436866.184000	357436866.184000			
[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)	348613427.184000	348612263.65725			
Observation start date	2009-01-17T21:02:41	2009-01-17T20:44:23			
[s] Observation end time (MET)	348621427.184000	348621559.89521			
Observation end date	2009-01-17T23:16:01	2009-01-17T23:19:19			
Read mode	TIMED	TIMED			

2.3 Aspect



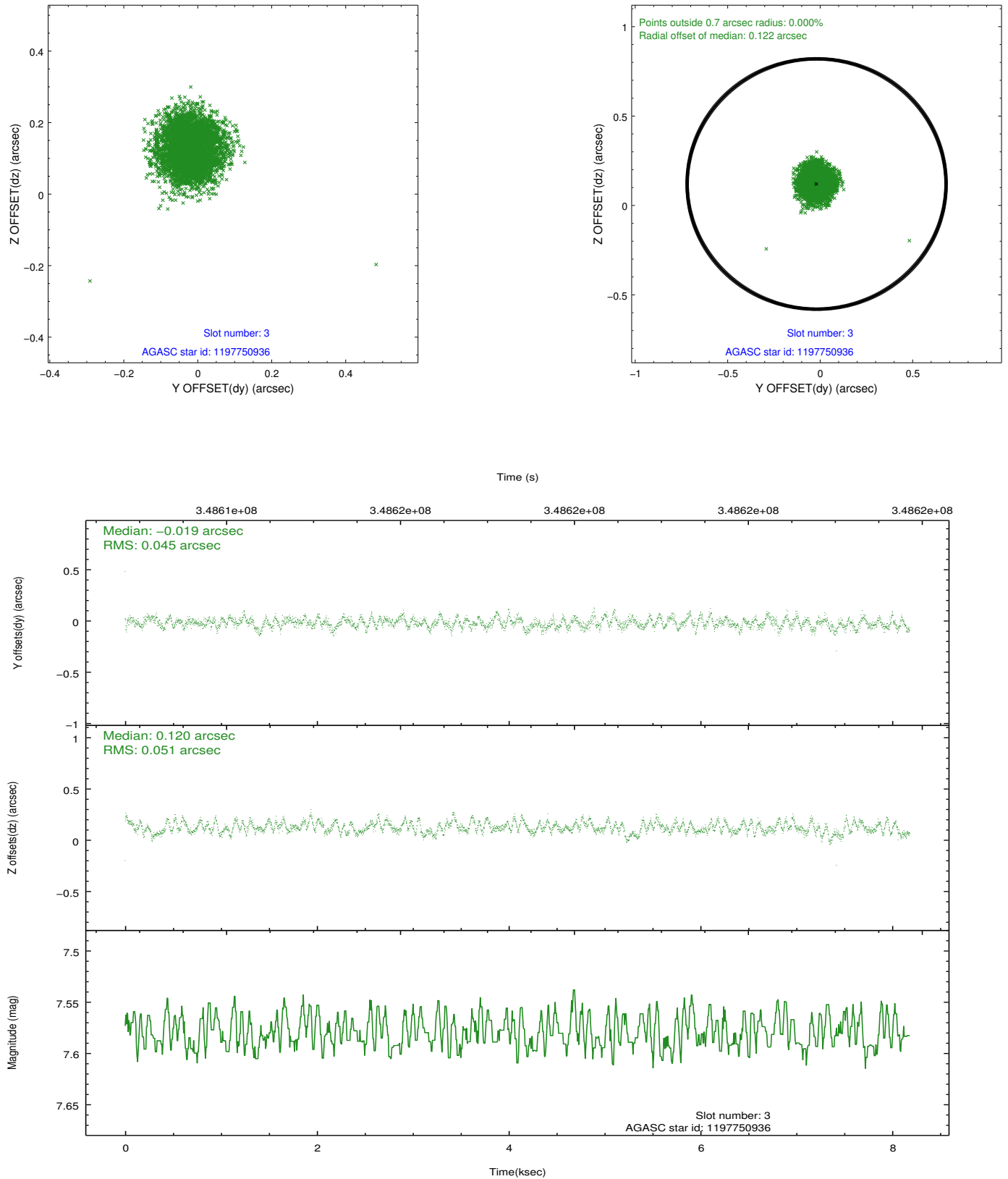


Slot Statistics

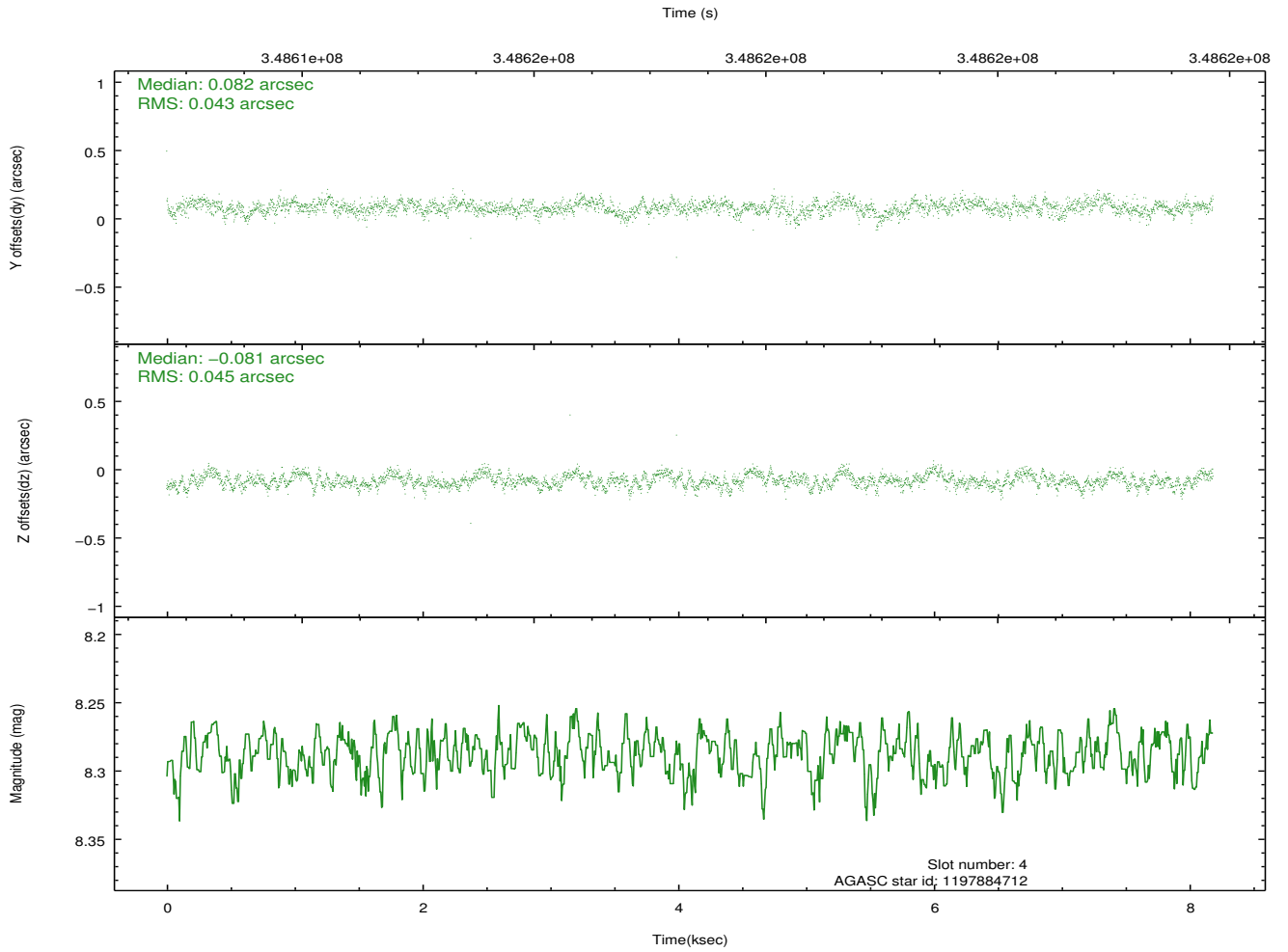
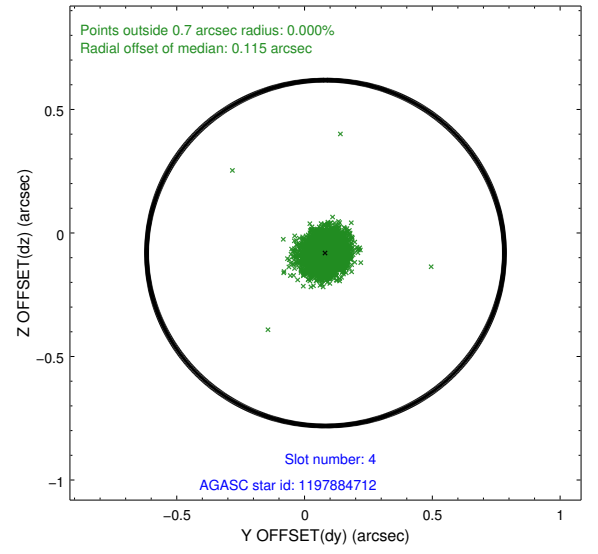
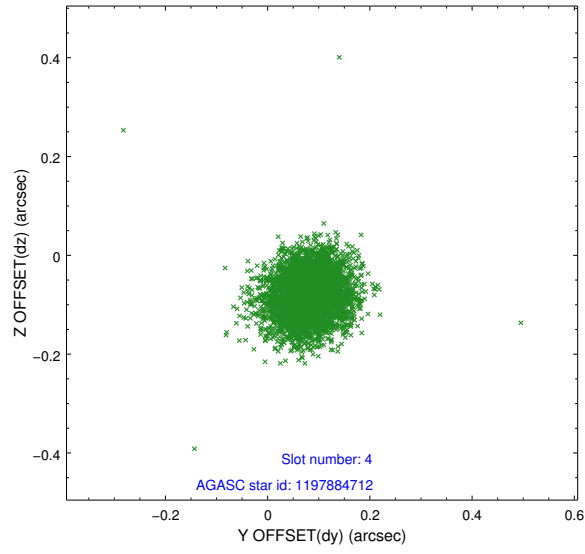
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.01	1996	0.035	-0.005	0.021	0.042	0.000000	0.000000	925.79	-838.88
1	FID	ACIS-I-5	6.99	1997	-0.211	0.041	0.009	0.023	0.000000	0.000000	-1822.20	1058.30
2	FID	ACIS-I-6	7.01	1996	0.084	0.035	0.015	0.023	0.000000	0.000000	390.63	1703.58
3	GUIDE	1197750936	7.58	3993	-0.019	0.120	0.074	0.115	15.387940	-71.549550	-1289.45	-694.09
4	GUIDE	1197884712	8.29	3992	0.082	-0.081	0.066	0.105	16.087398	-72.252690	1131.43	380.59
5	GUIDE	1197885328	7.24	3993	-0.002	-0.087	0.064	0.102	16.283090	-71.733943	-748.74	391.79
6	GUIDE	1197885104	9.35	3985	0.023	-0.023	0.108	0.167	17.845067	-72.189368	716.69	2281.18
7	GUIDE	1198283128	7.76	3991	-0.087	0.062	0.051	0.084	17.272580	-72.642428	2395.76	1805.01

2.4 Star Slots

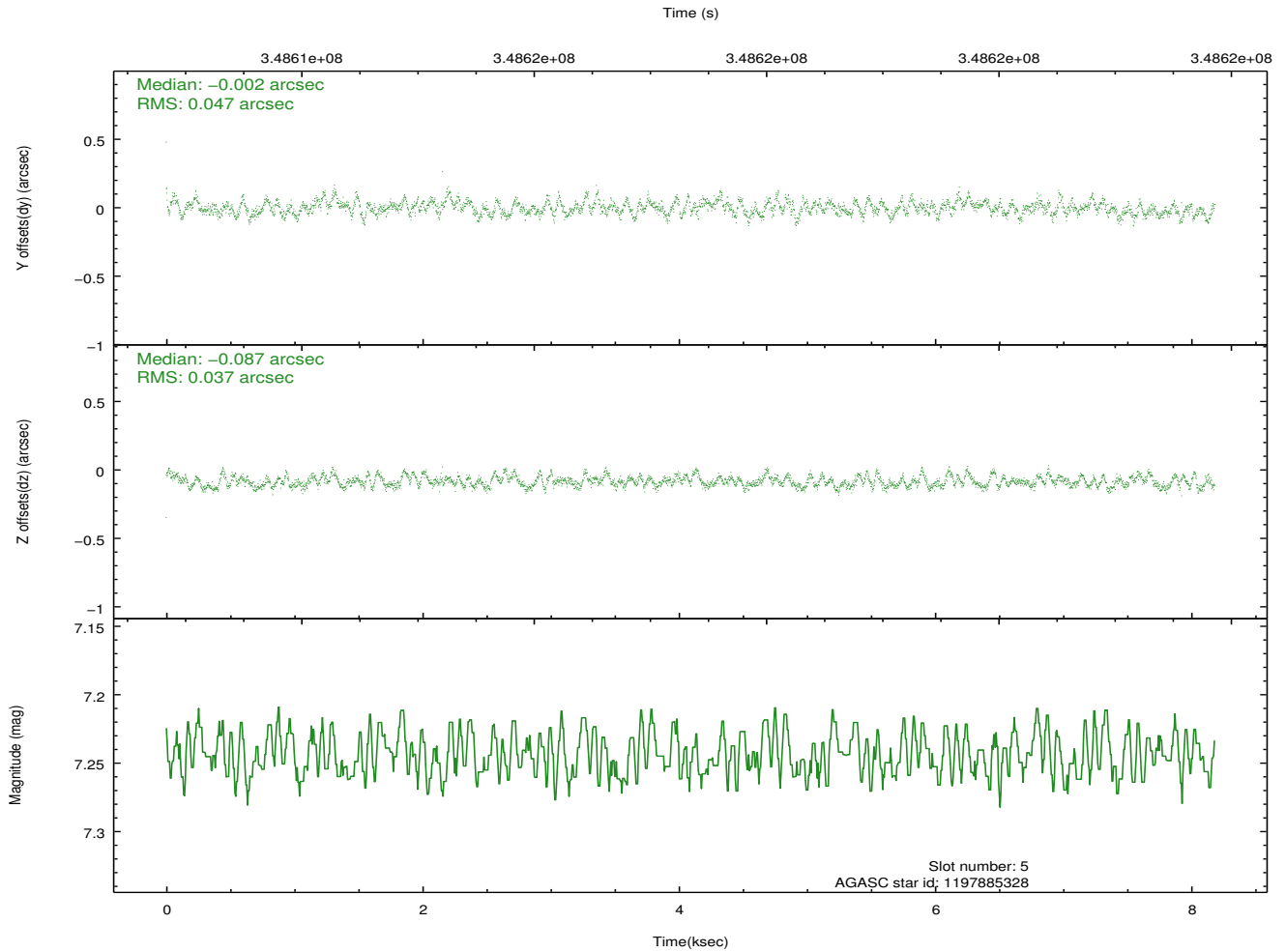
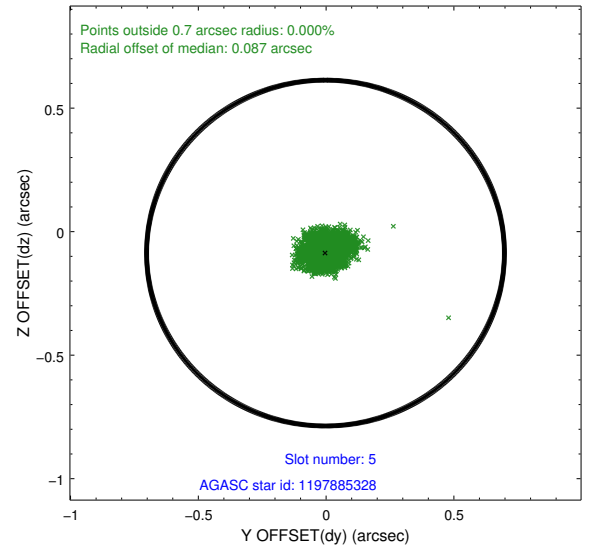
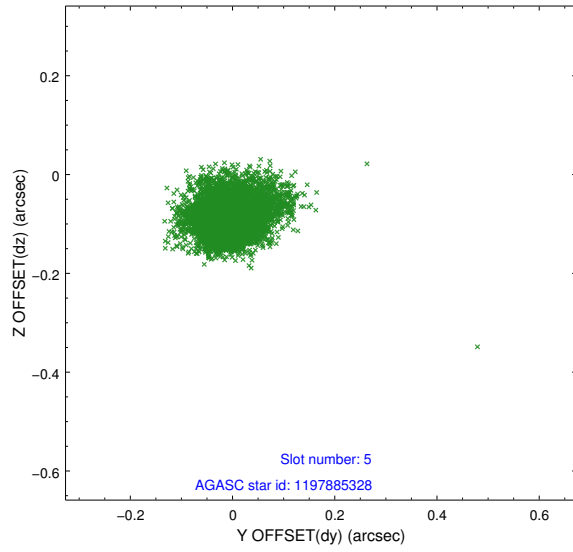
2.4.1 Slot 3



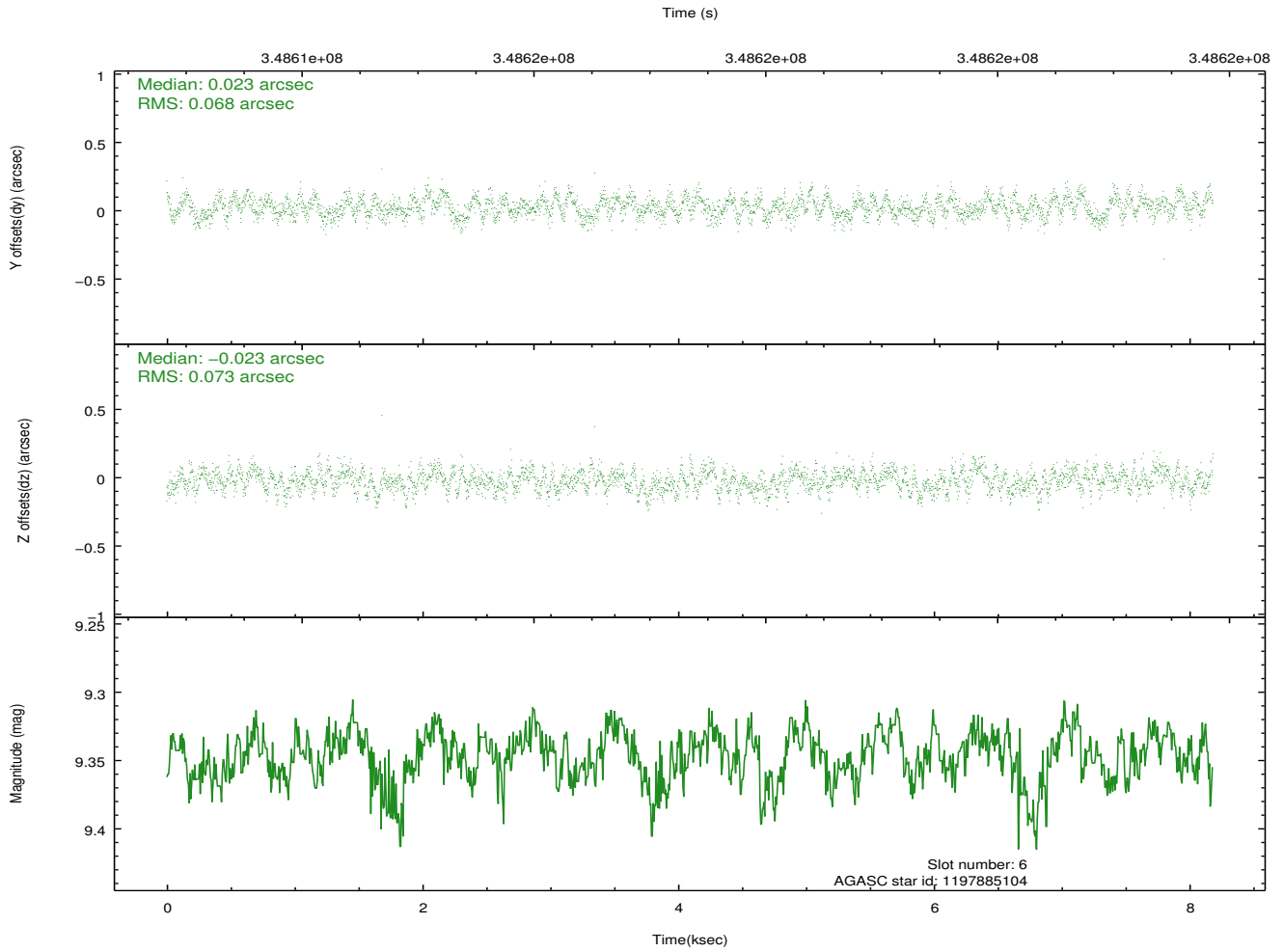
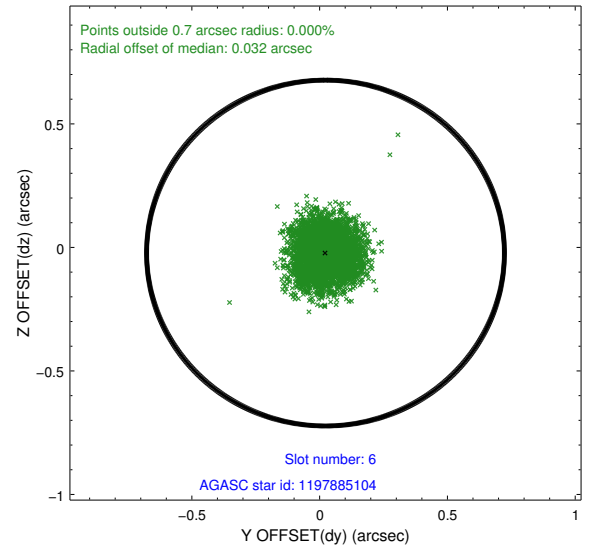
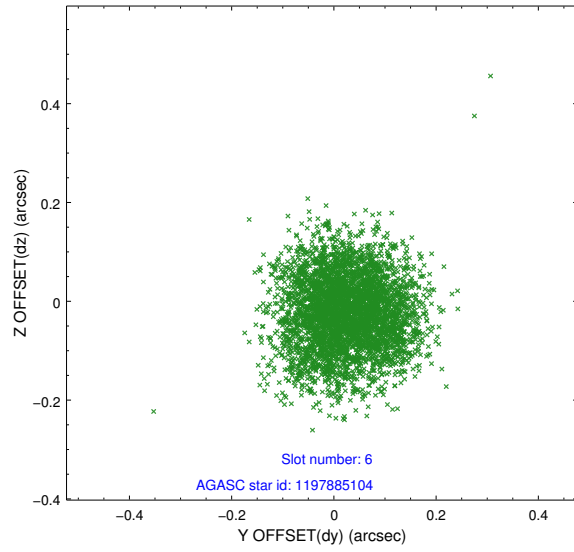
2.4.2 Slot 4



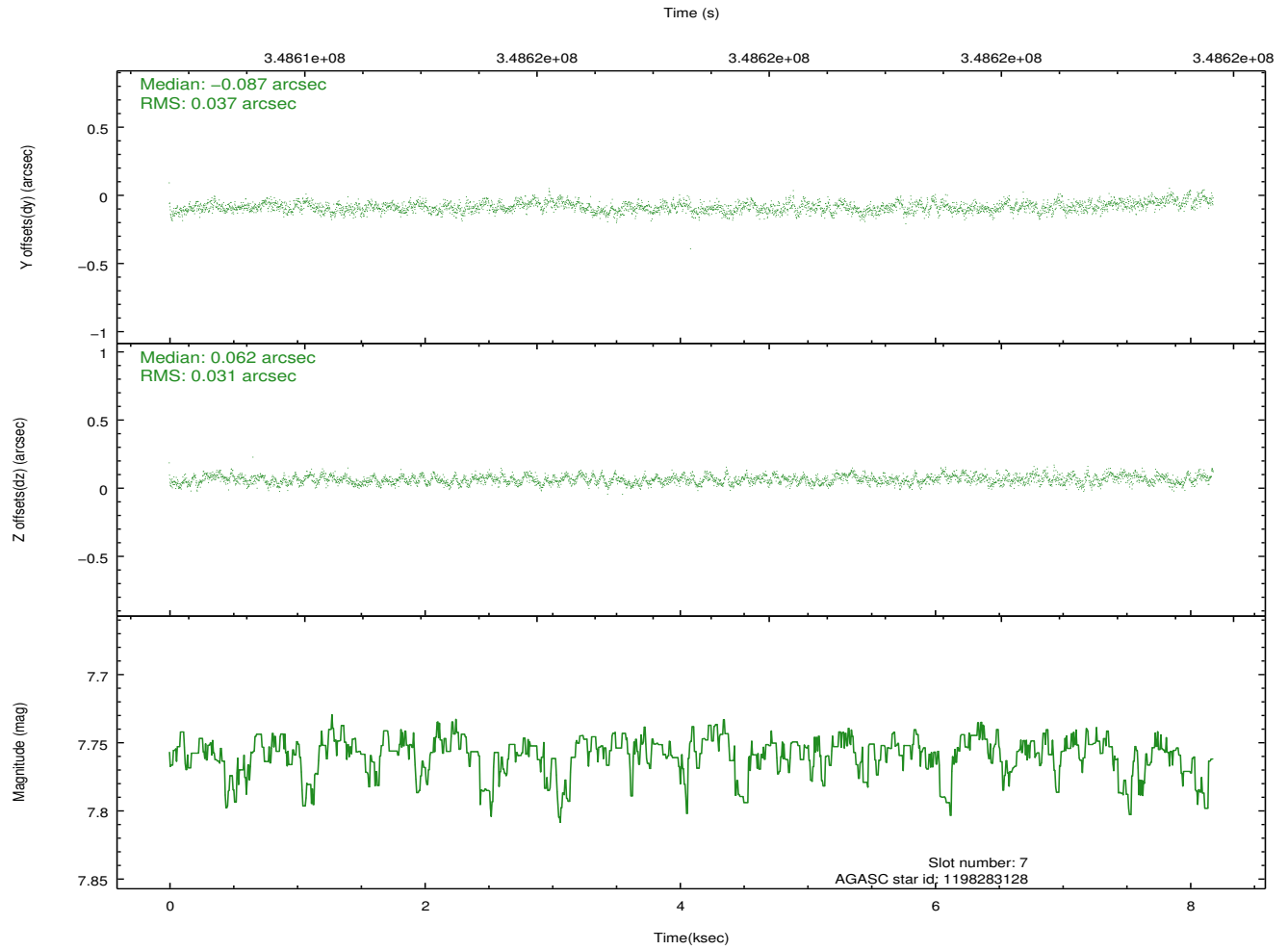
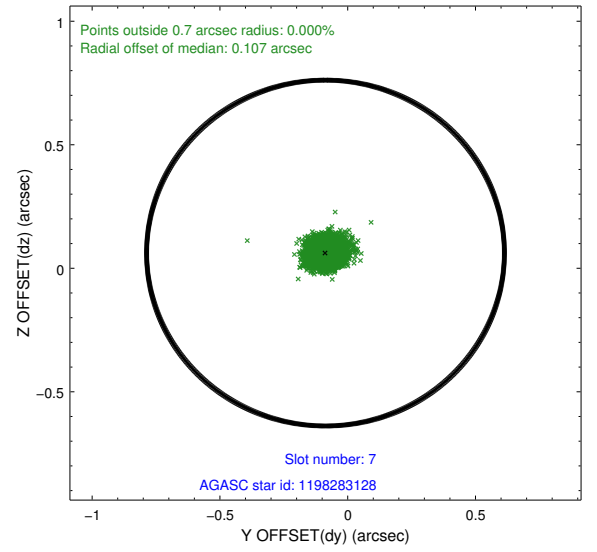
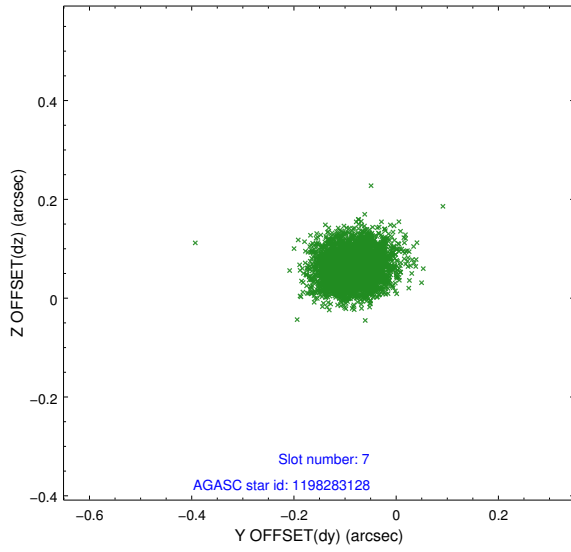
2.4.3 Slot 5



2.4.4 Slot 6

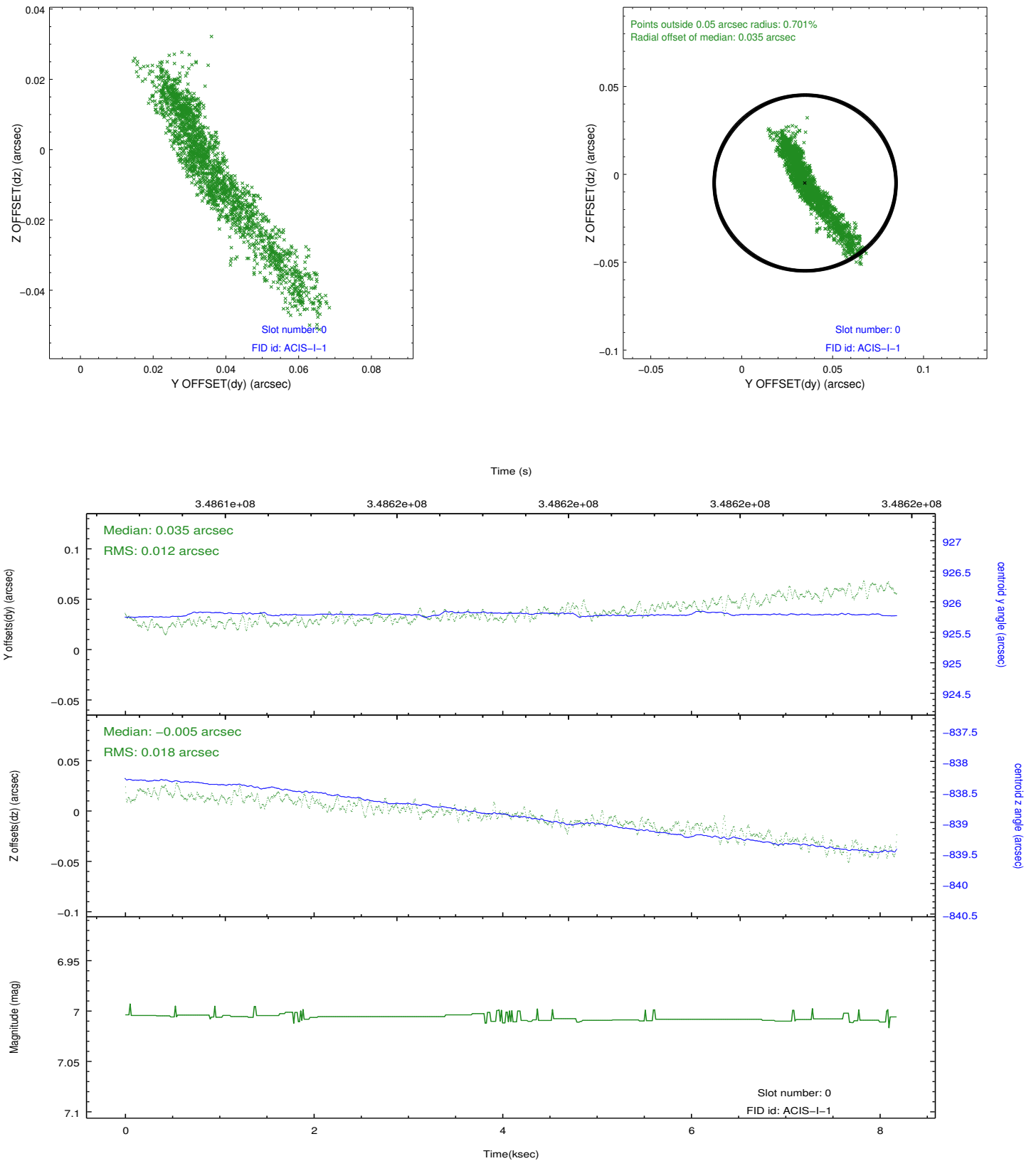


2.4.5 Slot 7

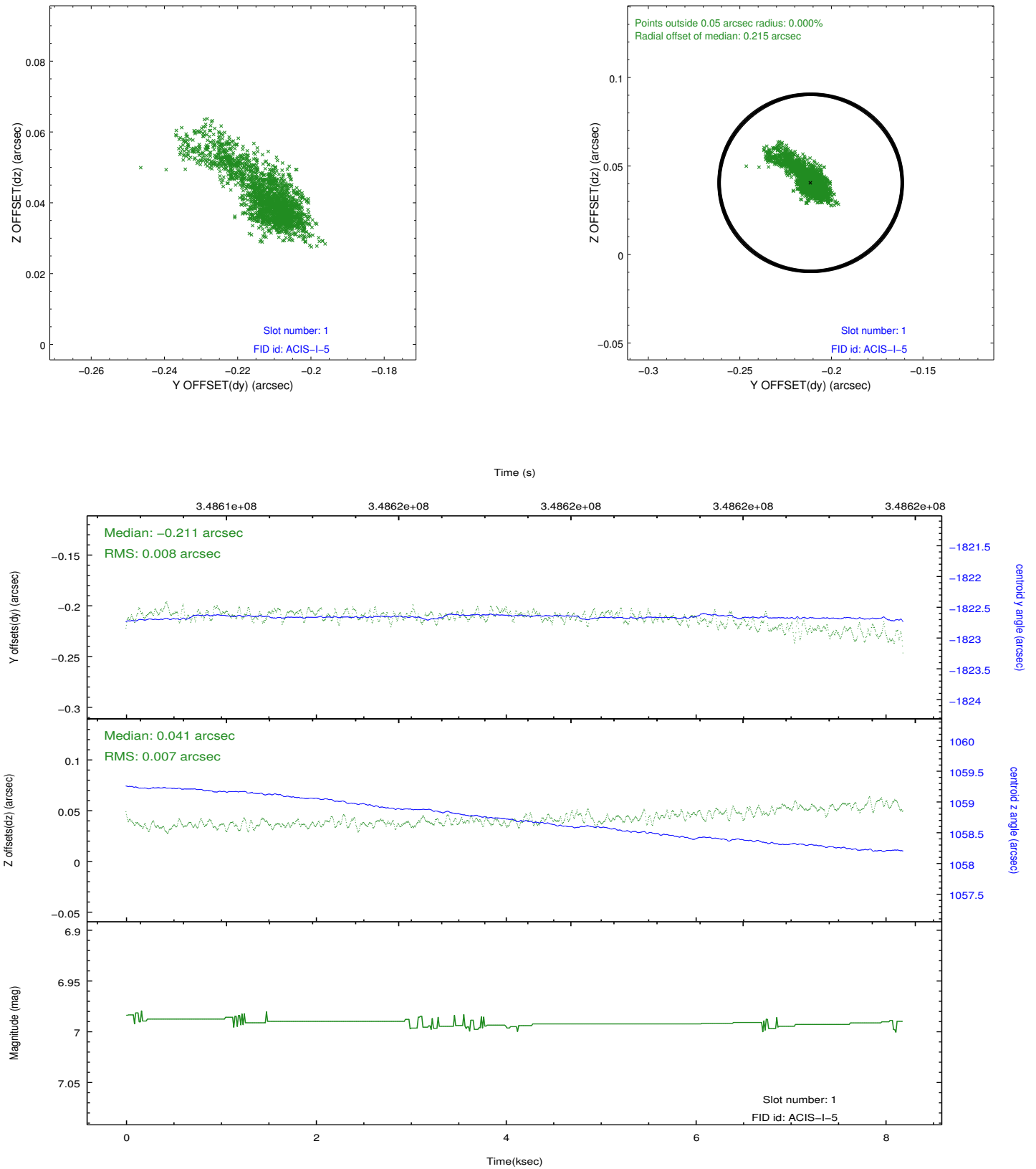


2.5 FID Slots

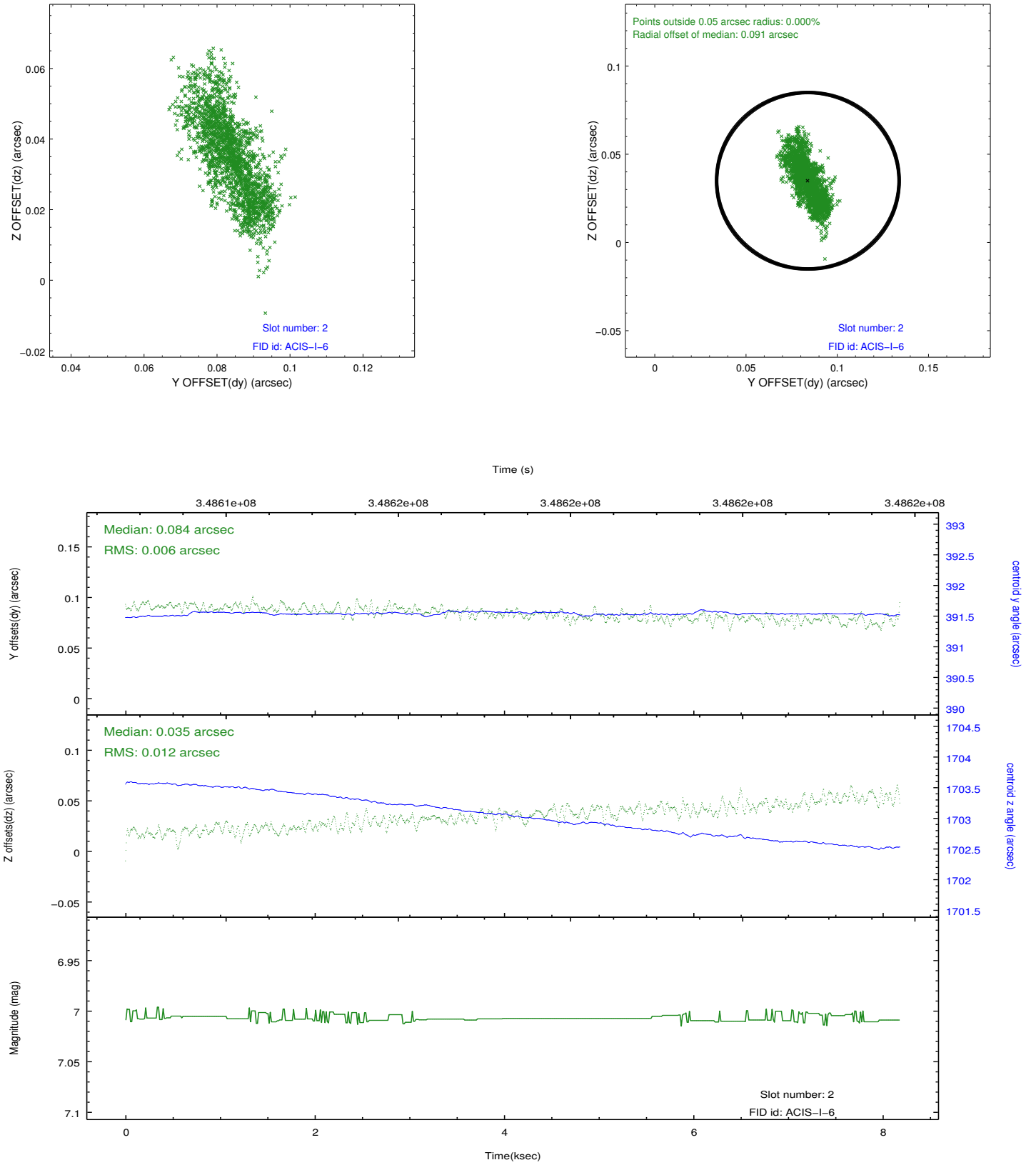
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1746181

A.2 Comments

Window preference met.