

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3743 - L2 Version 5
Chandra X-Ray Center

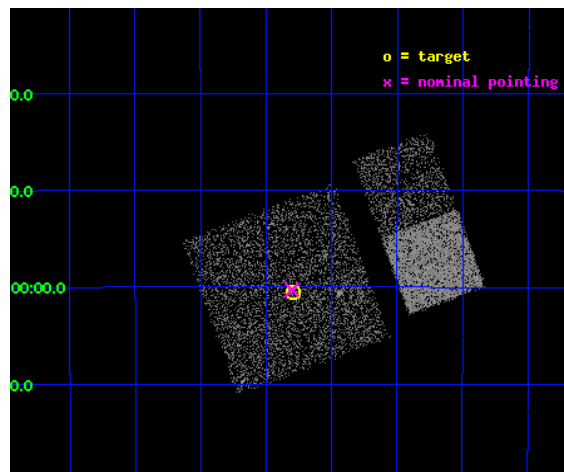
L2 Processing Date : Dec 31 2012

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1 Front

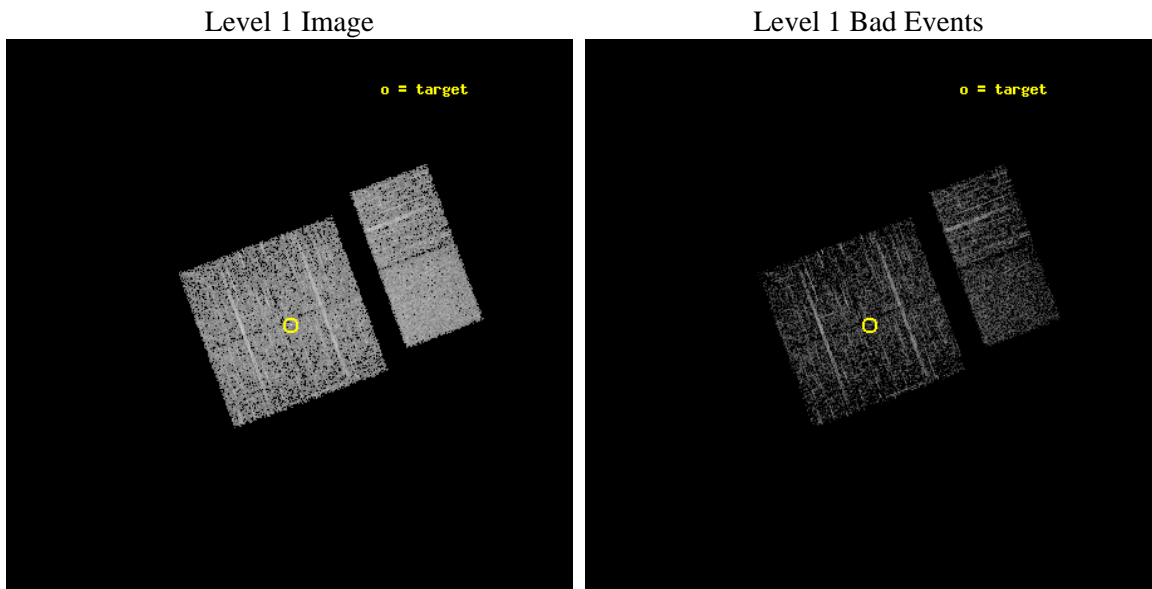
seq_num	200213	Sequence number
obs_id	3743	Observation id
title	ON THE ORIGIN OF THE X-RAY EMISSION IN LATE B-TYPE STARS	Proposal
observer	Dr. Nuria Huelamo	Principal investigator
object	HD134946	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.3225	Observer's specified target RA [deg]
dec_targ	-24.008306	Observer's specified target Dec [deg]
ra_nom	228.32593771741	Nominal RA [deg]
dec_nom	-24.004784885671	Nominal Dec [deg]
roll_nom	69.714867482884	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2361.5999912024	Sum of GTIs [s]
livetime	2331.695990129	Livetime [s]
ontime0	2361.5999912024	Sum of GTIs [s]
ontime1	2358.3589909971	Sum of GTIs [s]
ontime2	2361.5999912024	Sum of GTIs [s]
ontime3	2361.5999912024	Sum of GTIs [s]
ontime6	2361.5999912024	Sum of GTIs [s]
ontime7	2361.5999912024	Sum of GTIs [s]
l2events	16496	Number of level 2 events



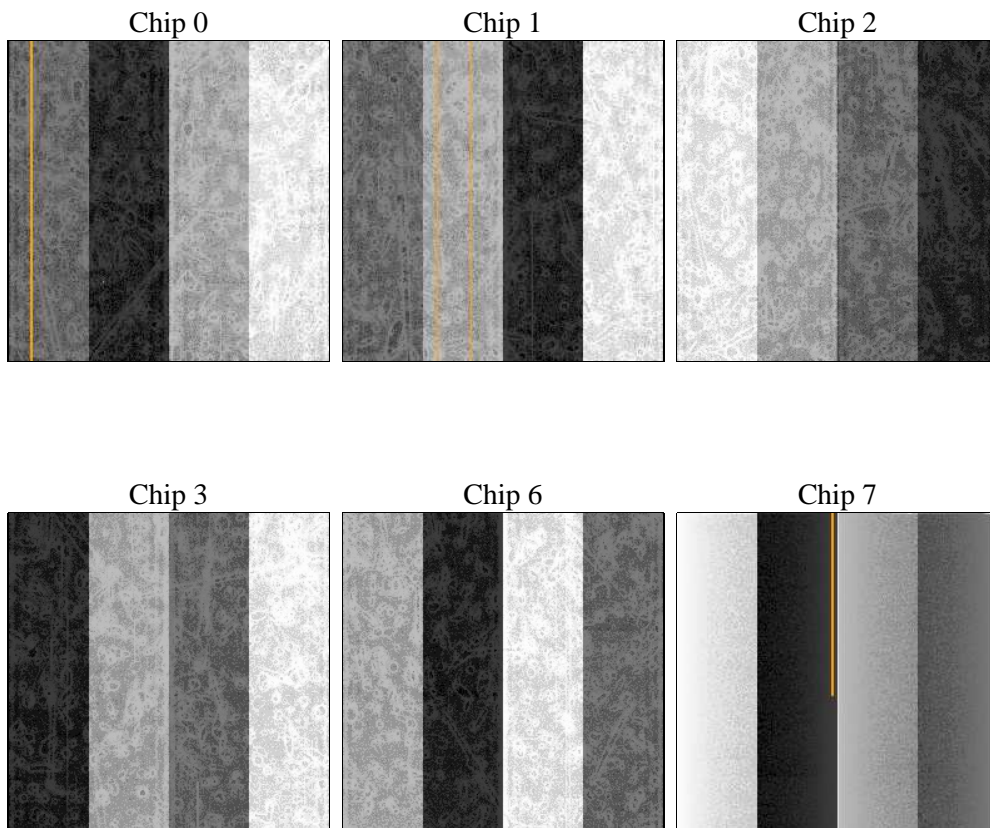
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2400.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	2361.5999912024	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	2361.5999912024	Sum of GTIs [s]
date	2012-12-28T22:56:49	Date and time of file creation	ontime1	2358.3589909971	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	2361.5999912024	Sum of GTIs [s]
			ontime3	2361.5999912024	Sum of GTIs [s]
			ontime6	2361.5999912024	Sum of GTIs [s]
			ontime7	2361.5999912024	Sum of GTIs [s]
			l1events	94744	Number of level 1 events

2.1.4 Events

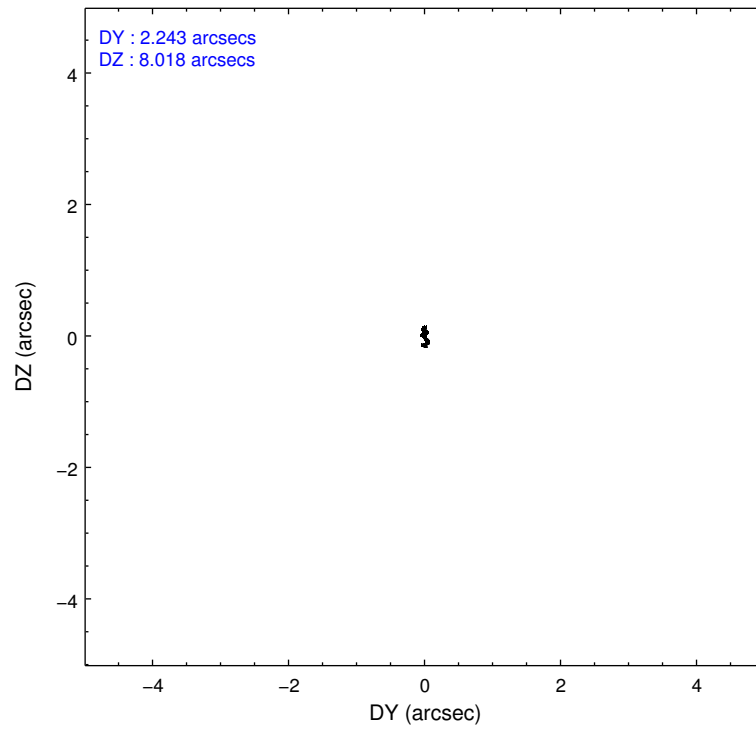
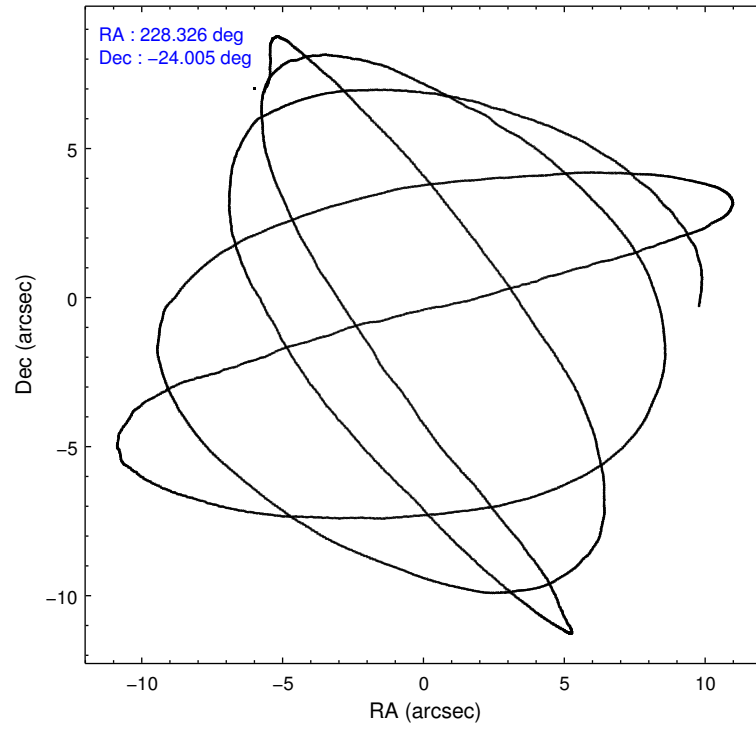
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	14348	13881	14749	14902	16385	20479
rejected events	12555	11955	12990	12785	14587	11913
rejected %	87%	86%	88%	85%	89%	58%

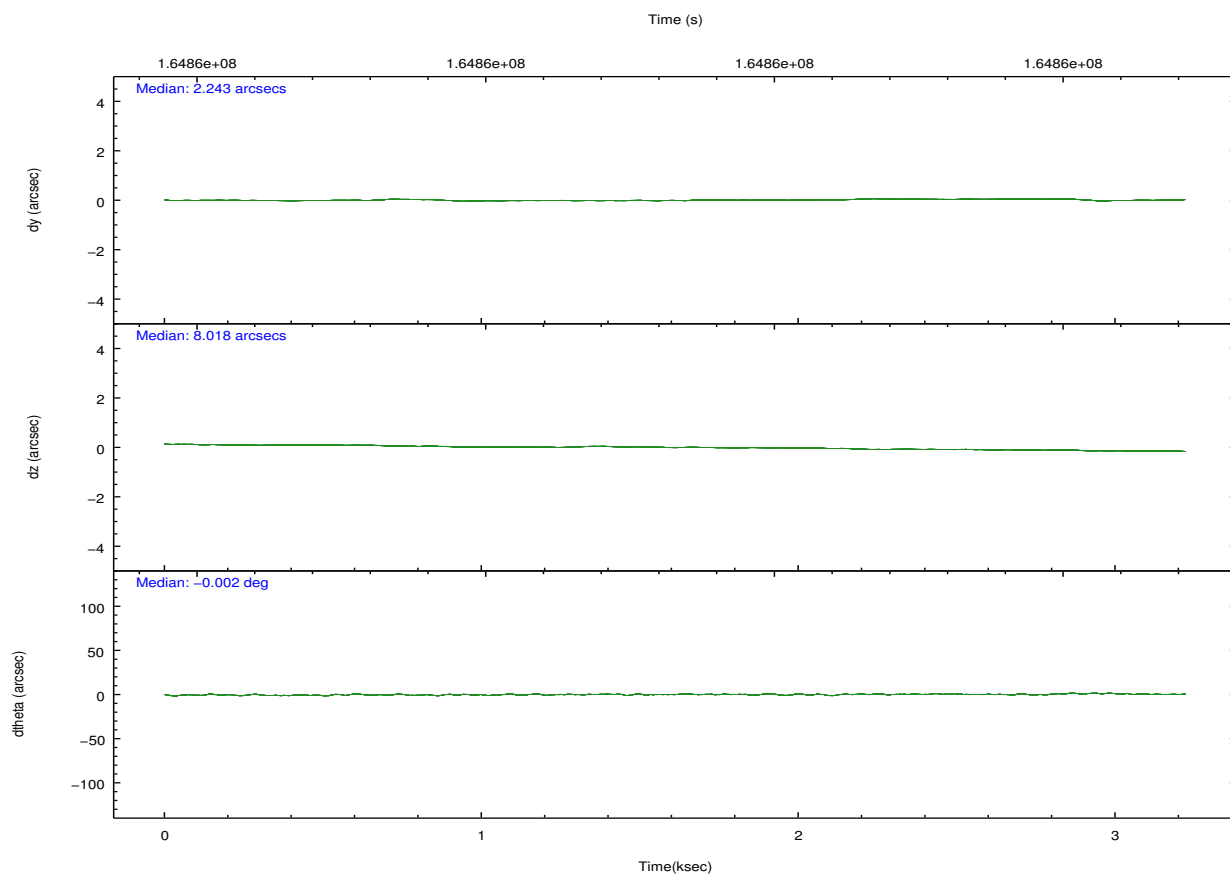
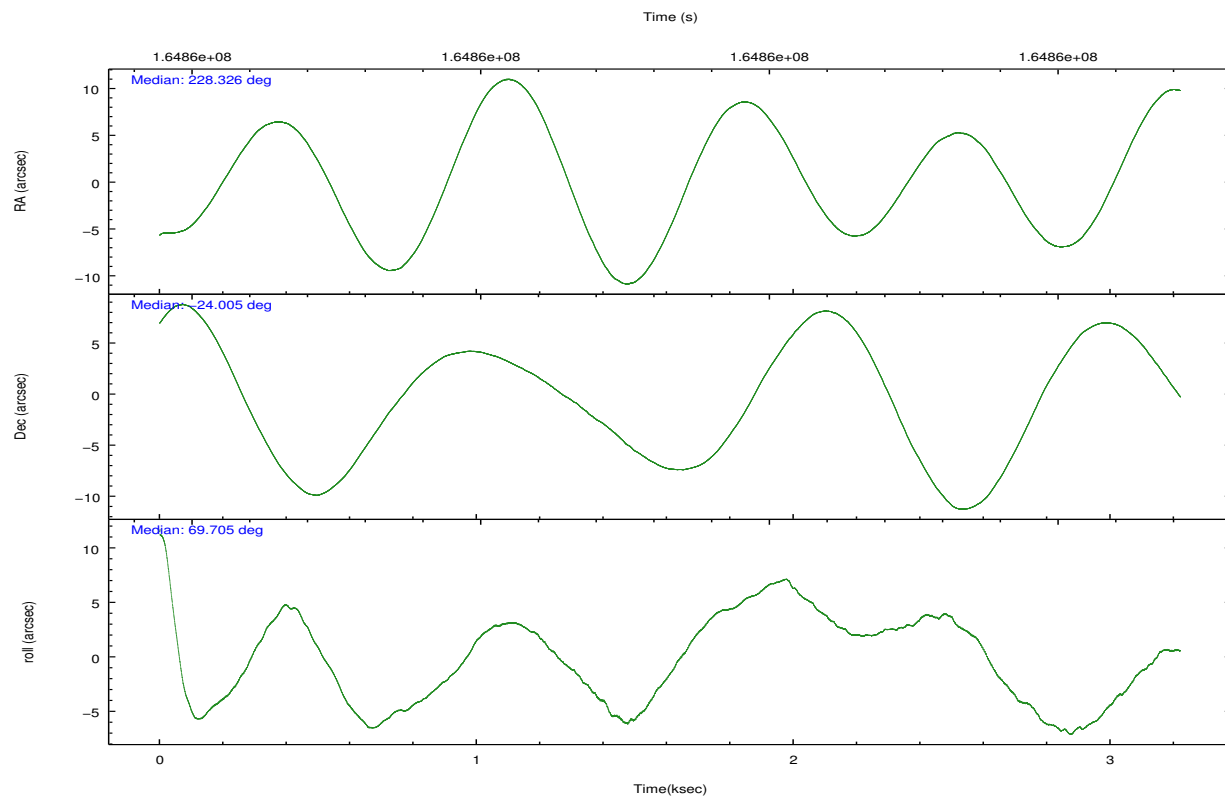
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	799	808	837	1058	730	796
	5%	5%	5%	7%	4%	3%
grade 1 events	11	5	2	13	5	16
	0%	0%	0%	0%	0%	0%
grade 2 events	372	403	318	368	363	1701
	2%	2%	2%	2%	2%	8%
grade 3 events	177	186	151	177	176	788
	1%	1%	1%	1%	1%	3%
grade 4 events	163	185	178	183	160	796
	1%	1%	1%	1%	0%	3%
grade 5 events	595	652	577	662	683	1939
	4%	4%	3%	4%	4%	9%
grade 6 events	287	350	278	332	370	4491
	2%	2%	1%	2%	2%	21%
grade 7 events	11944	11292	12408	12109	13898	9952
	83%	81%	84%	81%	84%	48%

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	228.331156	228.3259377174099	Subarray requested	NONE	NONE
[deg] Pointing Dec	-24.031899	-24.00478488567114	Alternating exposures requested	N	N
[deg] Pointing Roll	69.508285	69.71486748288422	[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)	164862872.184000	164861587.79014			
Observation start date	2003-03-24T03:13:28	2003-03-24T02:53:07			
[s] Observation end time (MET)	164865272.184000	164865807.71532			
Observation end date	2003-03-24T03:53:28	2003-03-24T04:03:27			
Read mode	TIMED	TIMED			

2.3 Aspect



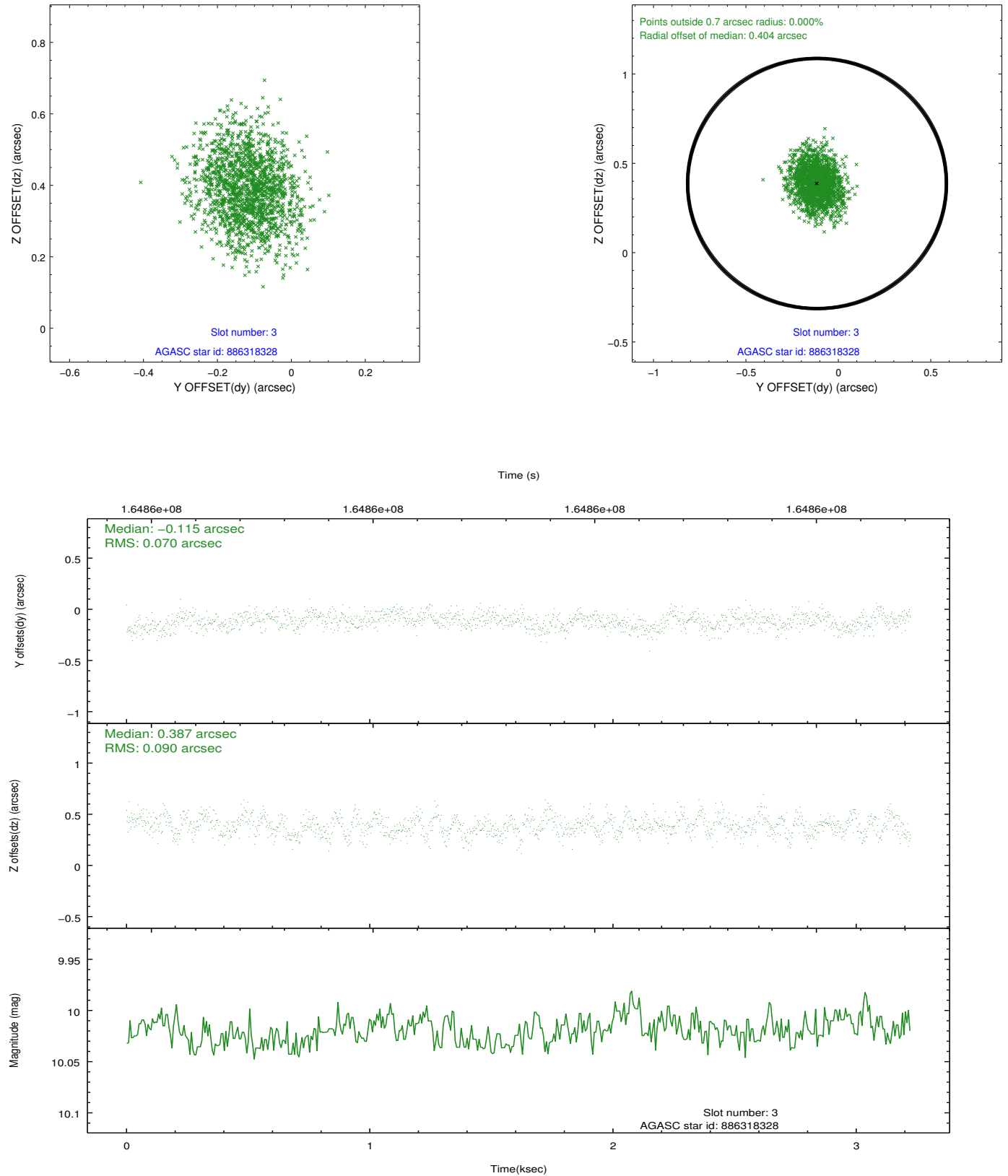


Slot Statistics

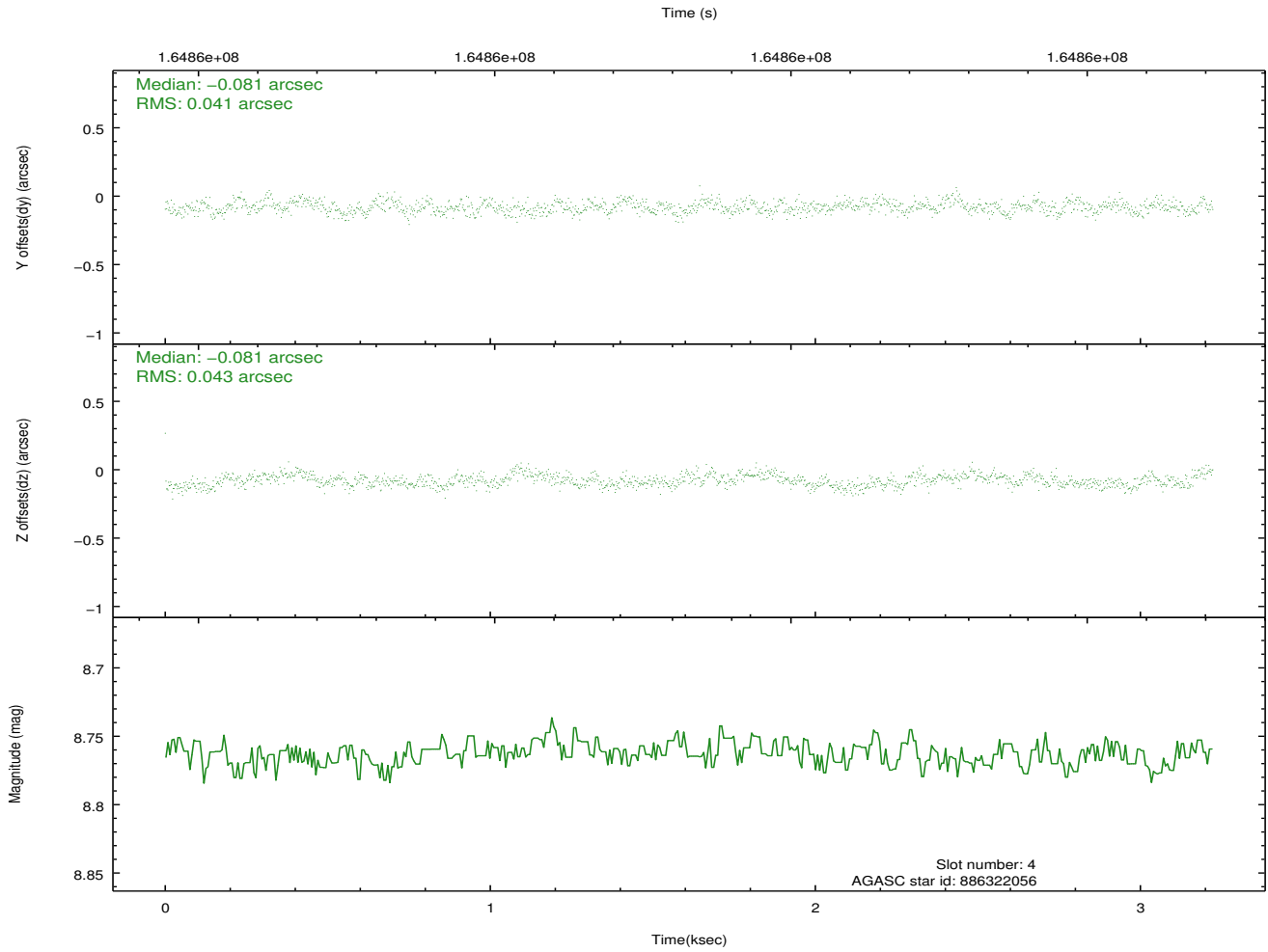
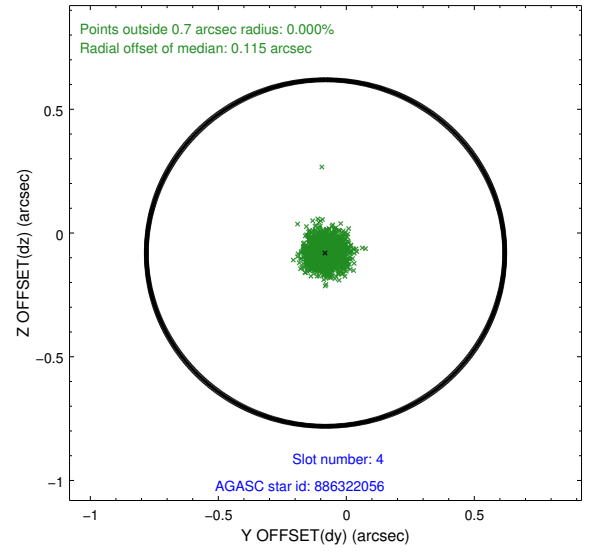
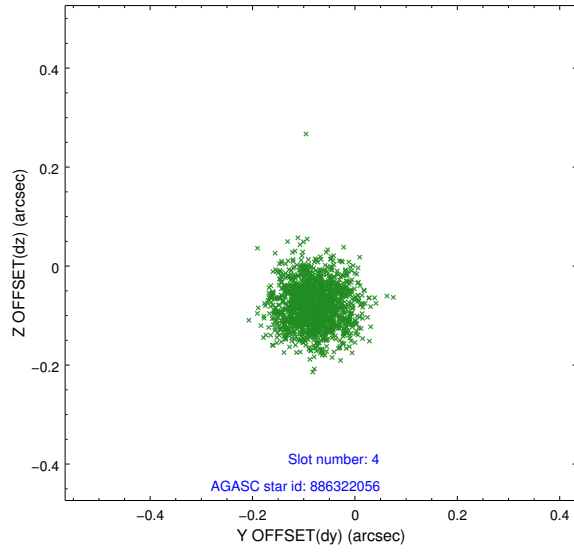
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	786	-0.021	0.018	0.006	0.013	0.000000	0.000000	937.54	-831.41
1	FID	ACIS-I-5	7.24	787	-0.040	0.031	0.006	0.013	0.000000	0.000000	-1809.48	1065.11
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	886318328	10.02	1572	-0.115	0.387	0.123	0.198	228.937889	-24.316027	-265.47	-2224.14
4	GUIDE	886322056	8.76	1573	-0.081	-0.081	0.063	0.101	228.442150	-23.540855	1783.27	274.11
5	GUIDE	886835480	7.69	1572	0.154	-0.056	0.063	0.095	228.474887	-24.378799	-1004.03	-879.29
6	GUIDE	886182992	9.35	1570	-0.189	-0.328	0.110	0.174	227.809601	-23.423133	1445.20	2378.93
7	GUIDE	886315248	9.91	1570	0.239	0.082	0.105	0.172	228.691068	-24.374839	-743.68	-1537.16

2.4 Star Slots

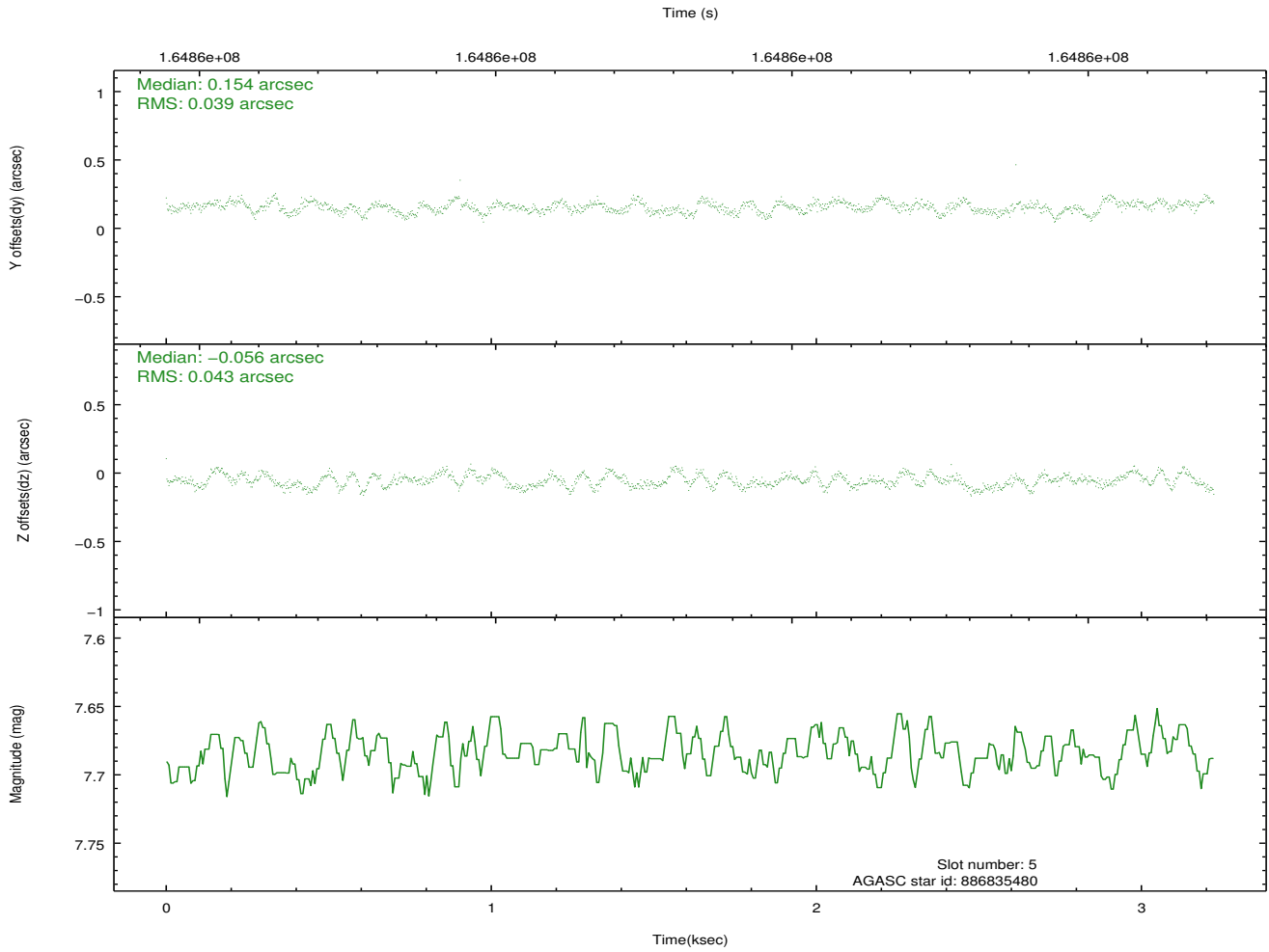
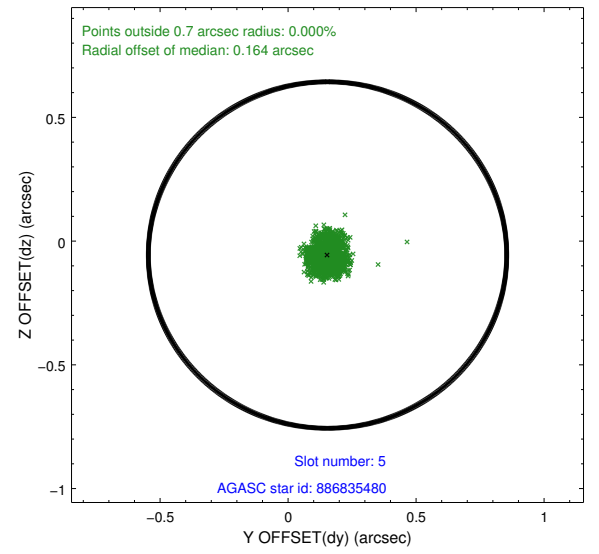
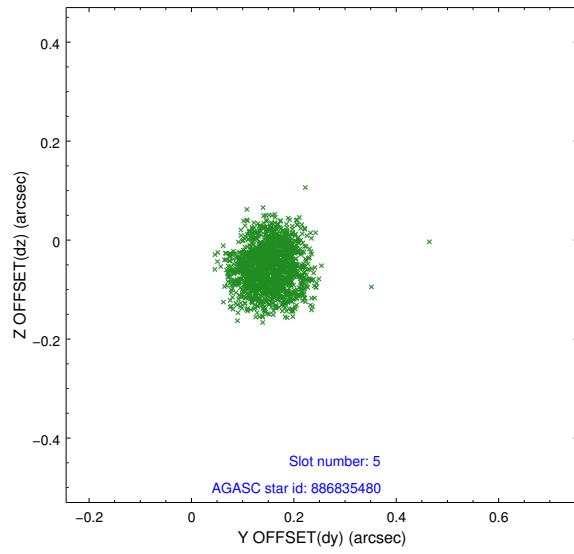
2.4.1 Slot 3



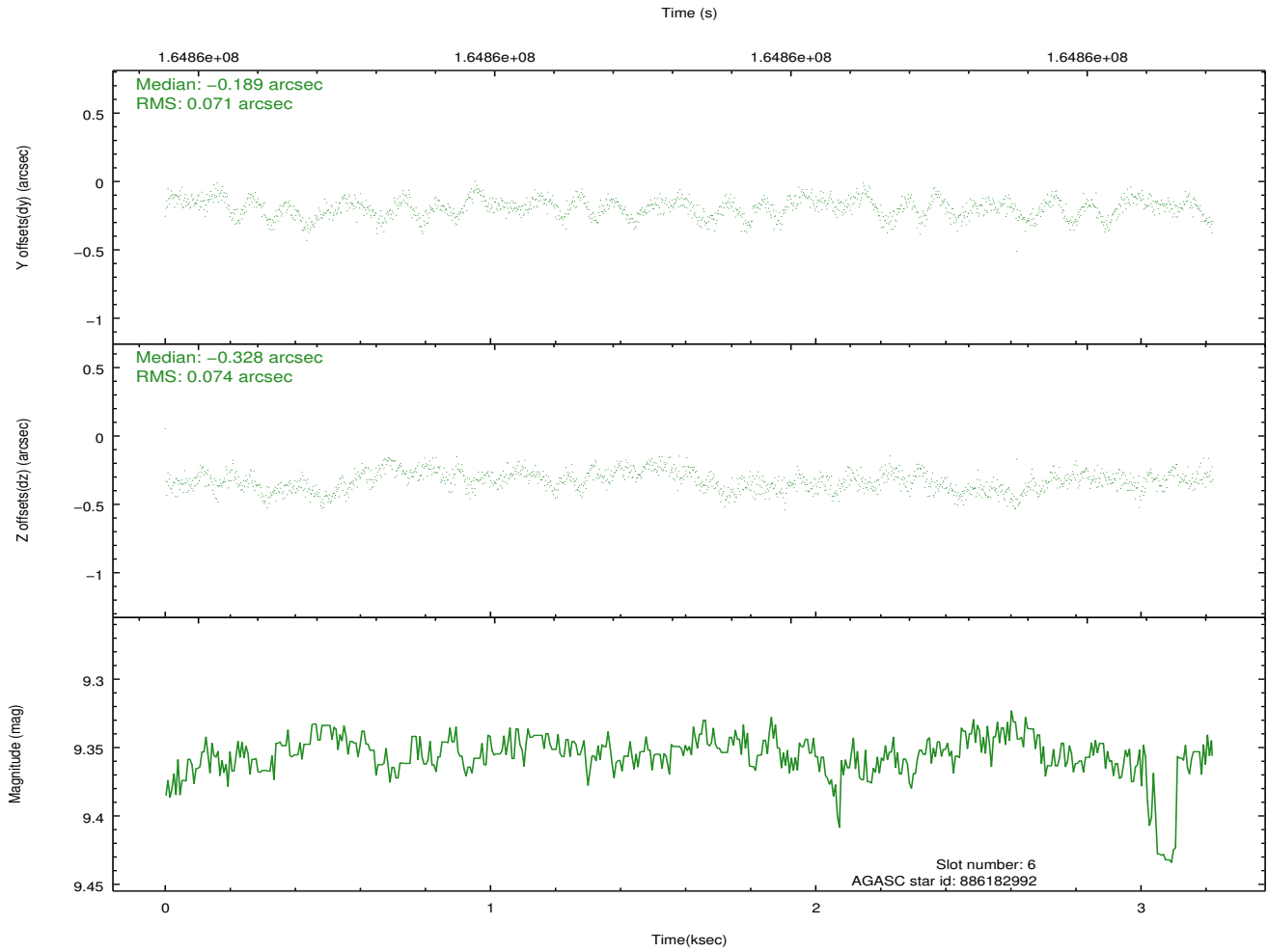
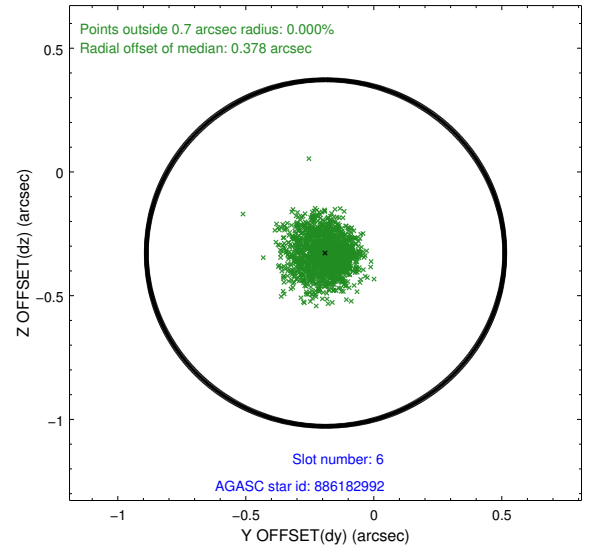
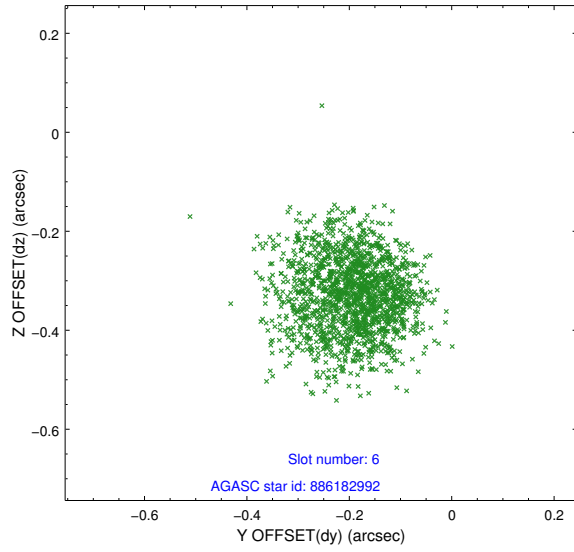
2.4.2 Slot 4



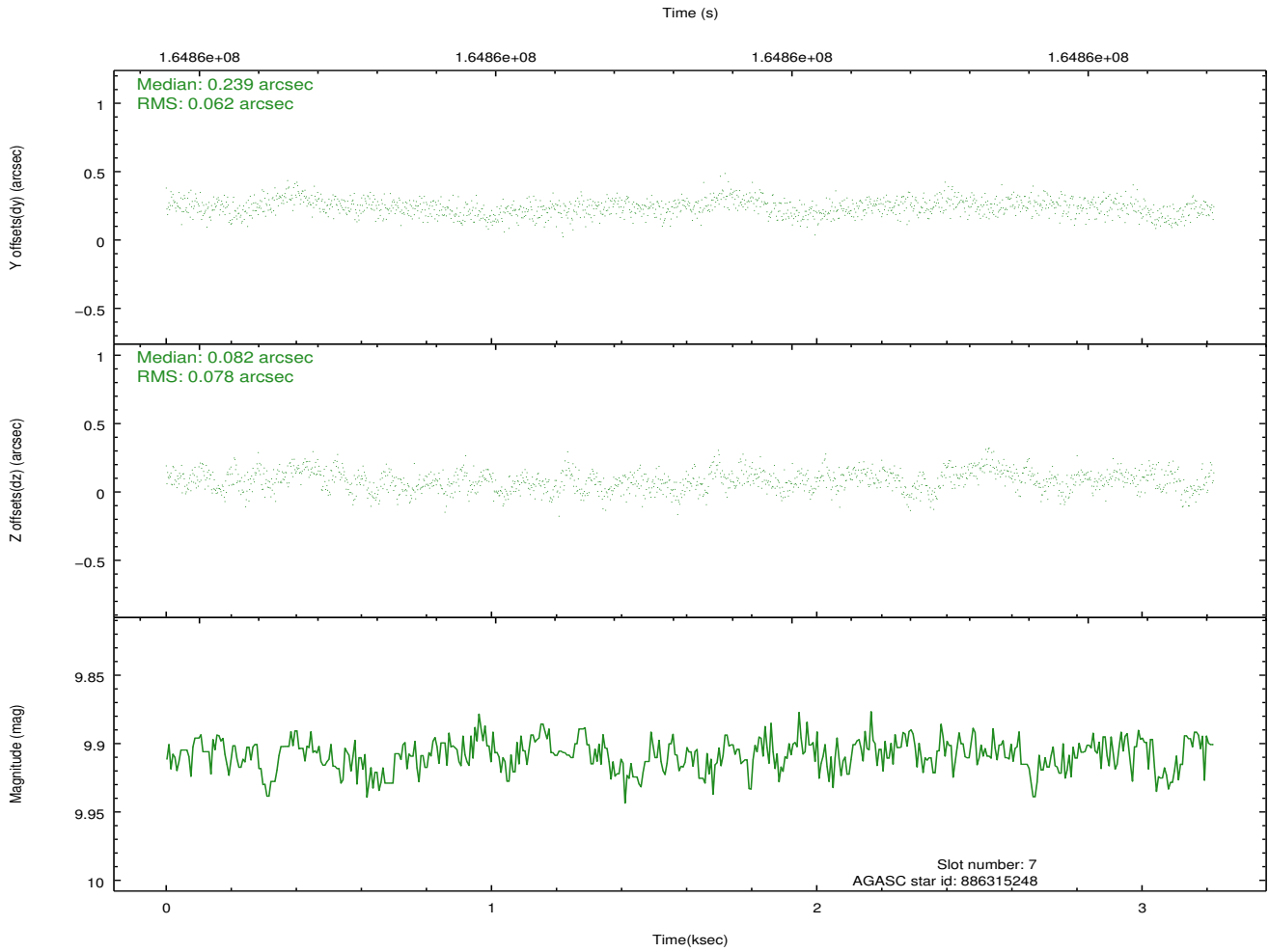
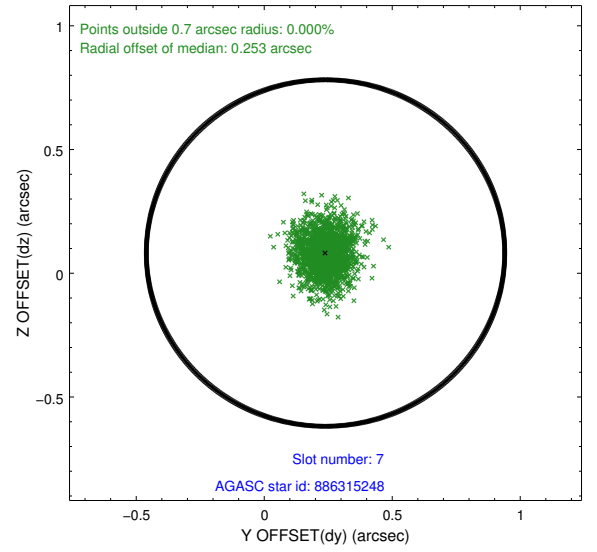
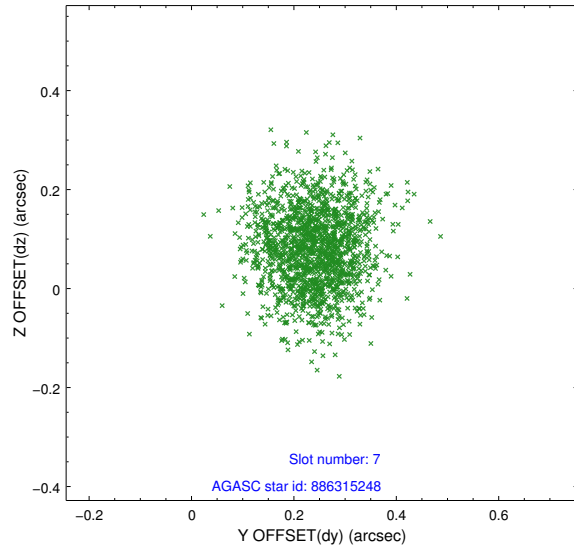
2.4.3 Slot 5



2.4.4 Slot 6

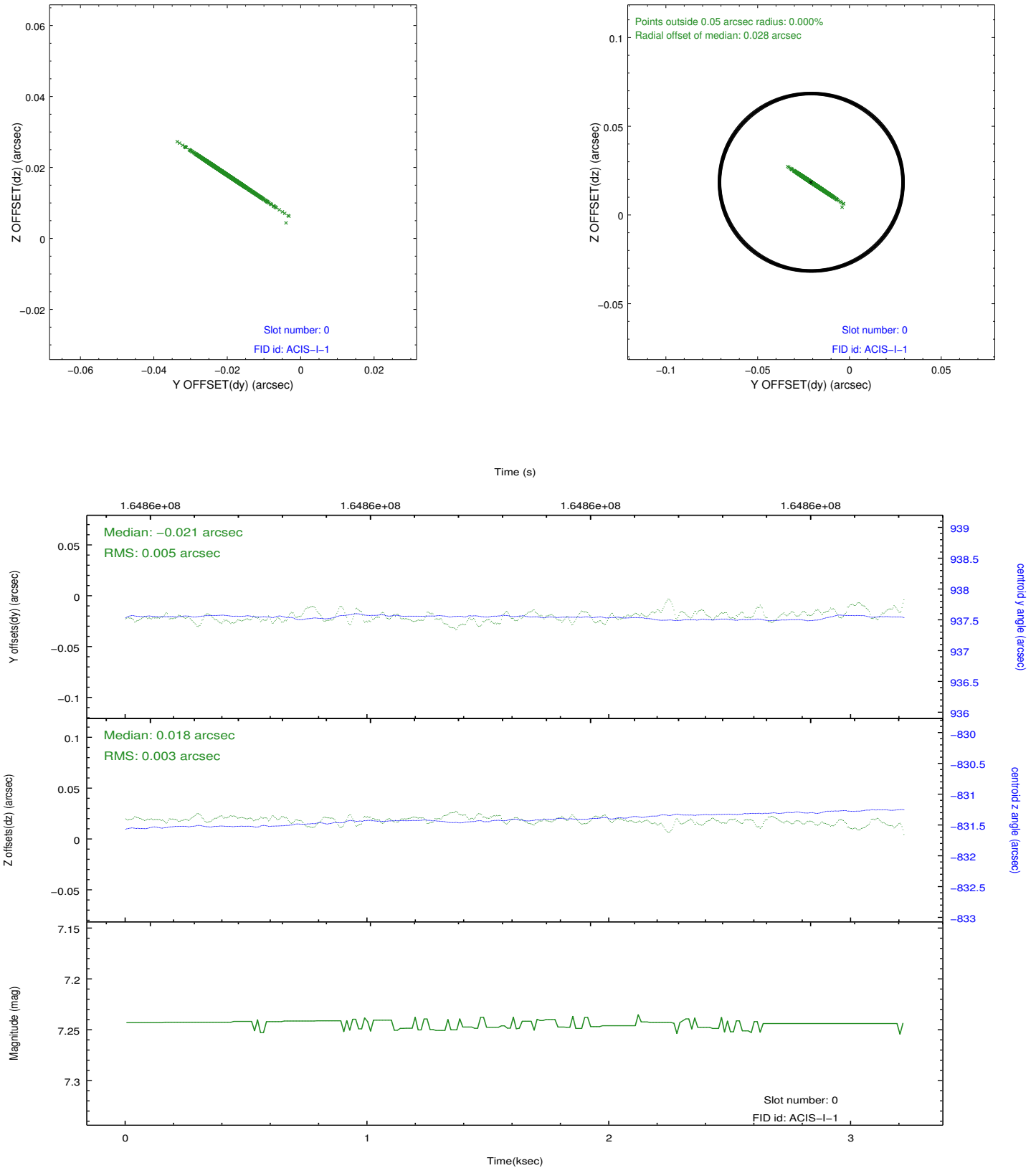


2.4.5 Slot 7

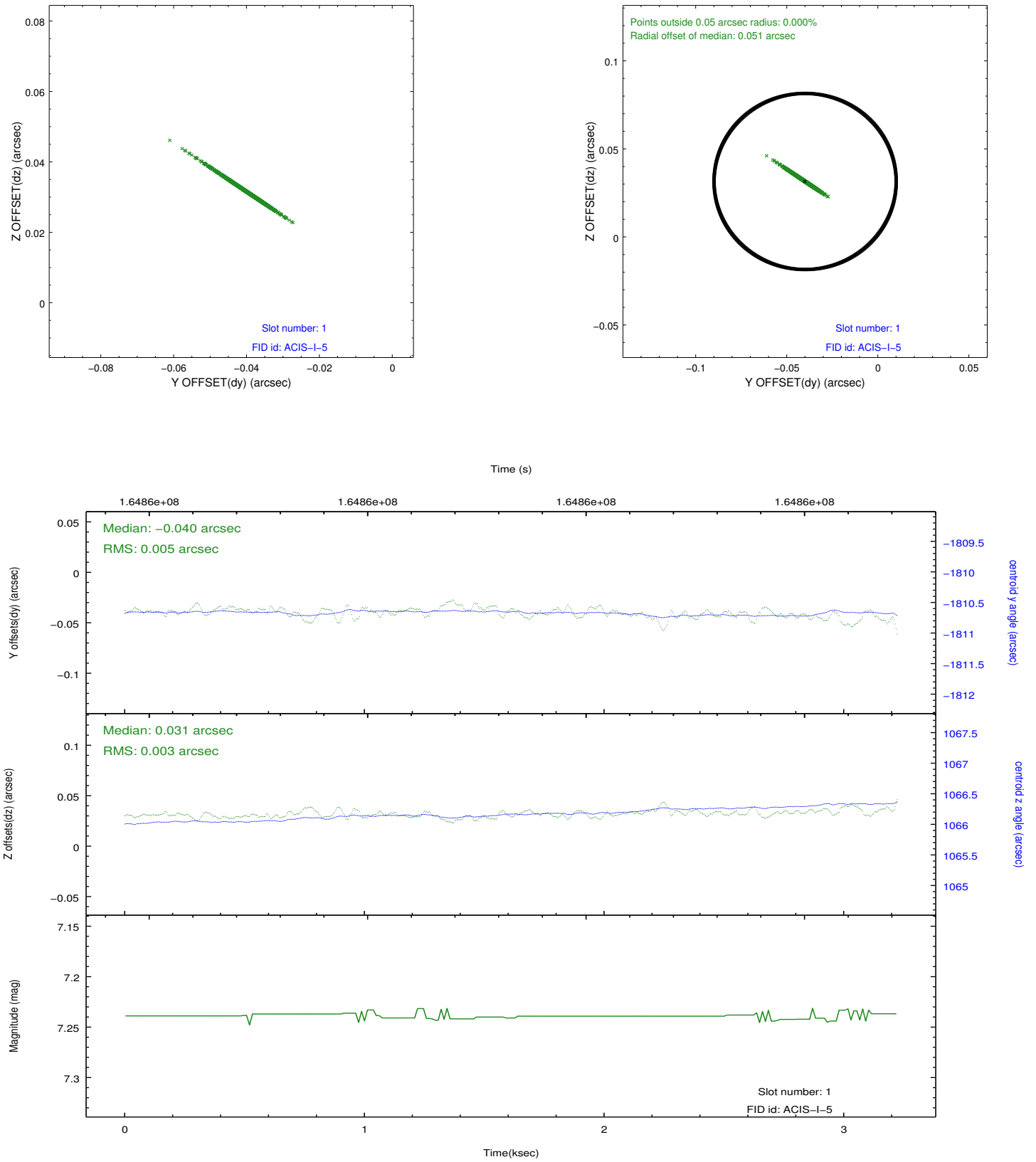


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.364

A.2 Comments

Charge time for this observation remains at previous value of 2.364 ksec.

The fid light in slot 2 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.