

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4788 - L2 Version 4
Chandra X-Ray Center

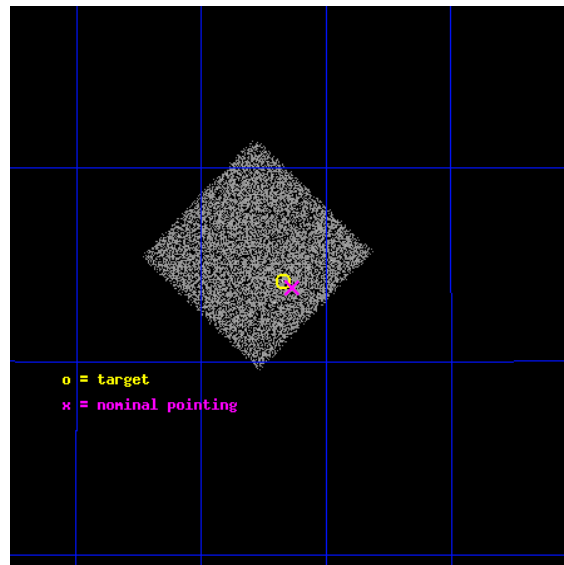
L2 Processing Date : Dec 3 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

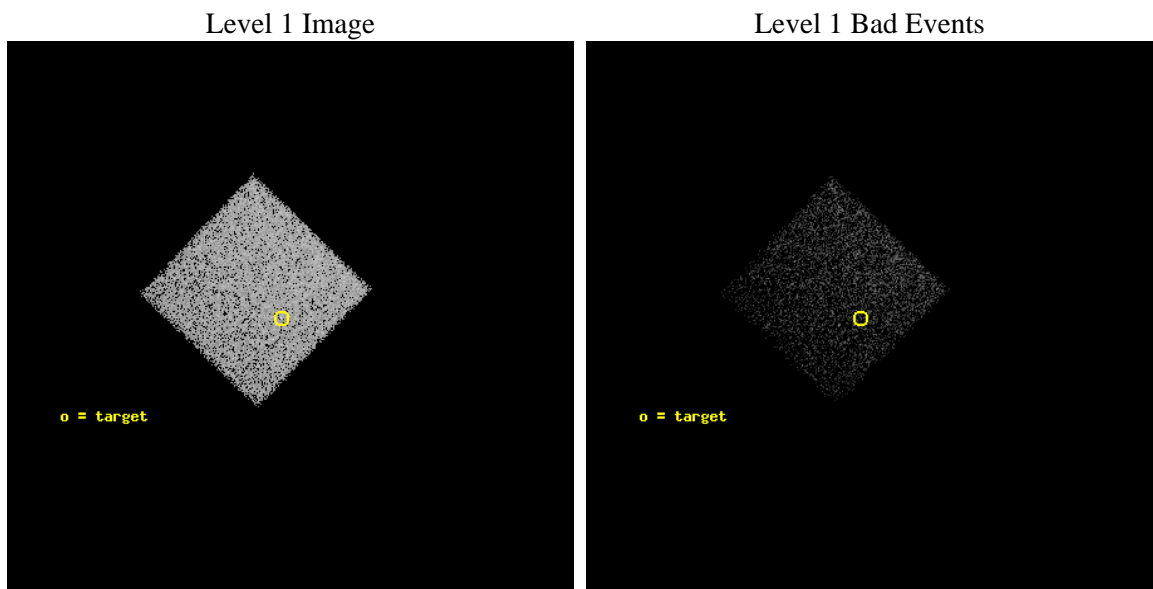
seq_num	700871	Sequence number
obs_id	4788	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1450-3971	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.04375	Observer's specified target RA [deg]
dec_targ	29.402444	Observer's specified target Dec [deg]
ra_nom	223.03444447791	Nominal RA [deg]
dec_nom	29.396921863518	Nominal Dec [deg]
roll_nom	223.97277241763	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4076.7210021913	Sum of GTIs [s]
livetime	4021.7040902369	Livetime [s]
ontime7	4076.7210021913	Sum of GTIs [s]
l2events	16319	Number of level 2 events



2 OBI

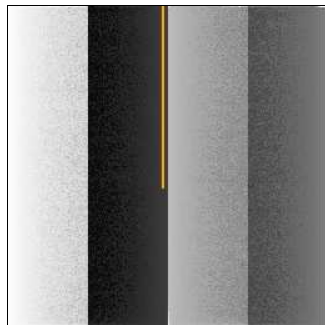
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4076.7210021913	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	4076.7210021913	Sum of GTIs [s]
date	2012-12-03T04:29:00	Date and time of file creation	l1events	40207	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

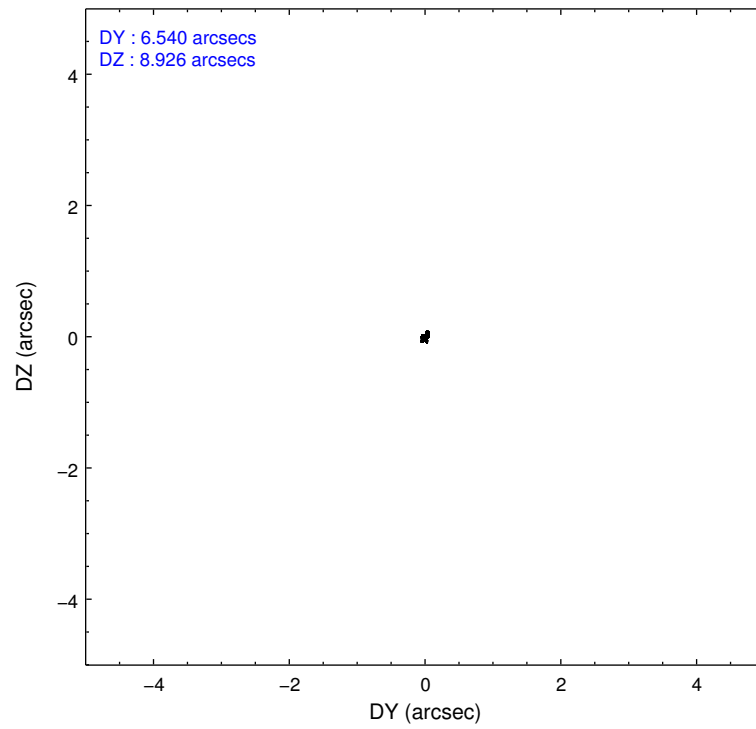
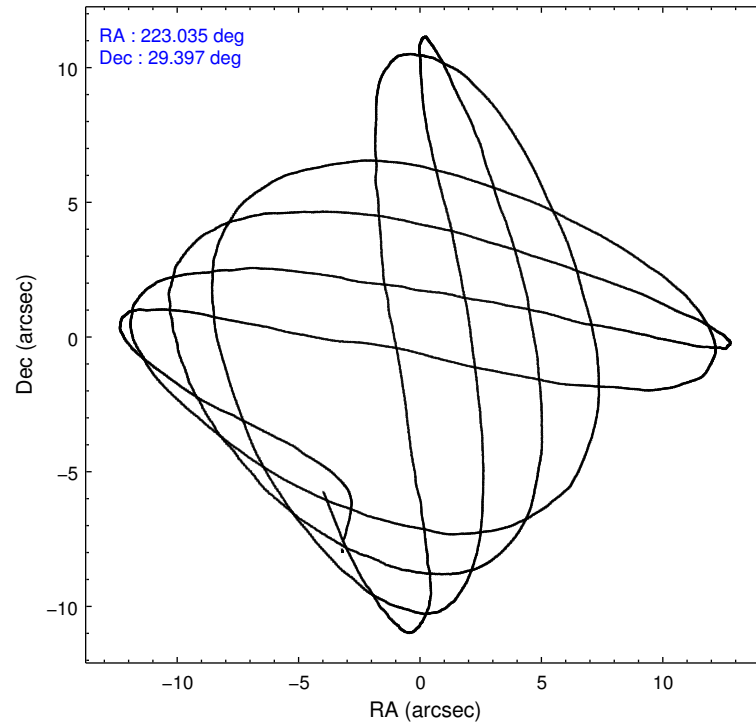
	ccd 7
level 1 events	40207
rejected events	23468
rejected %	58%

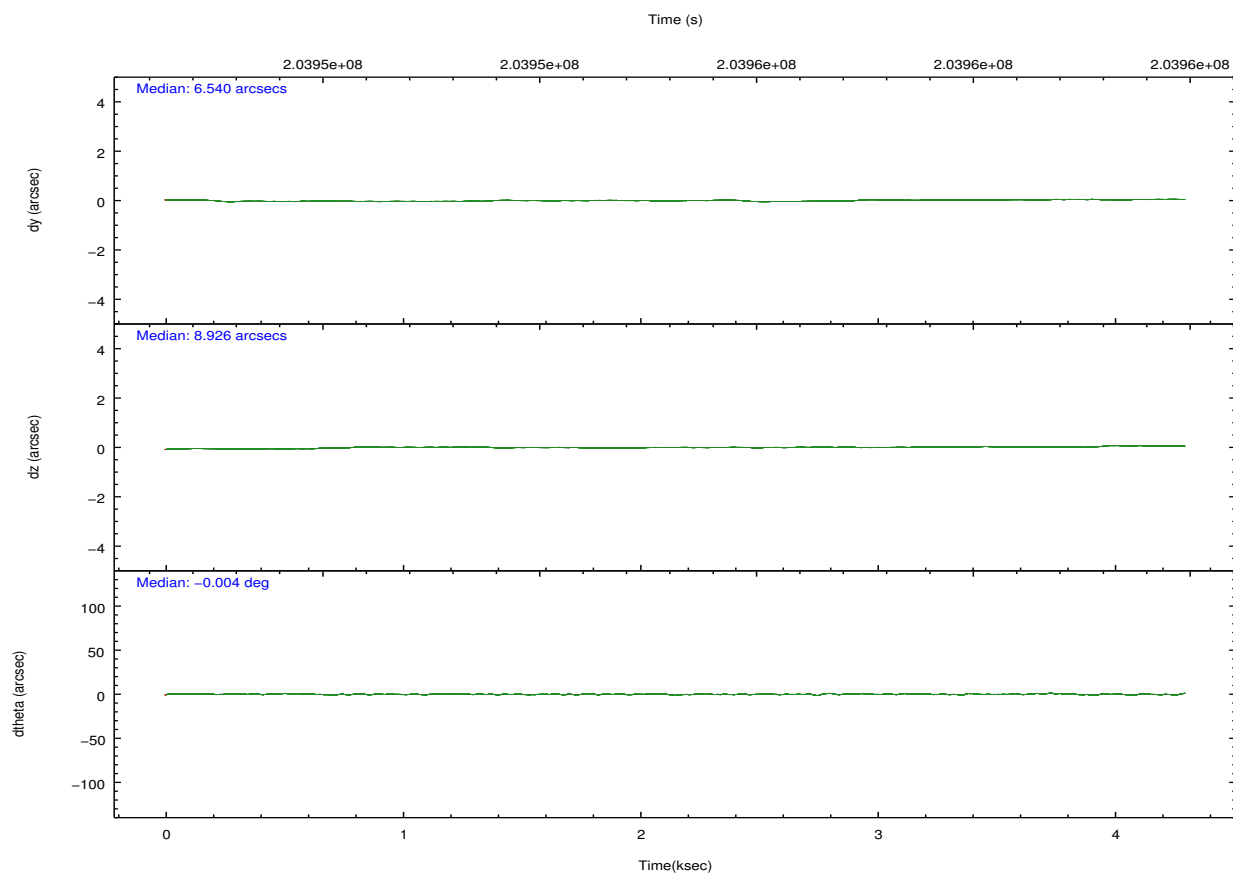
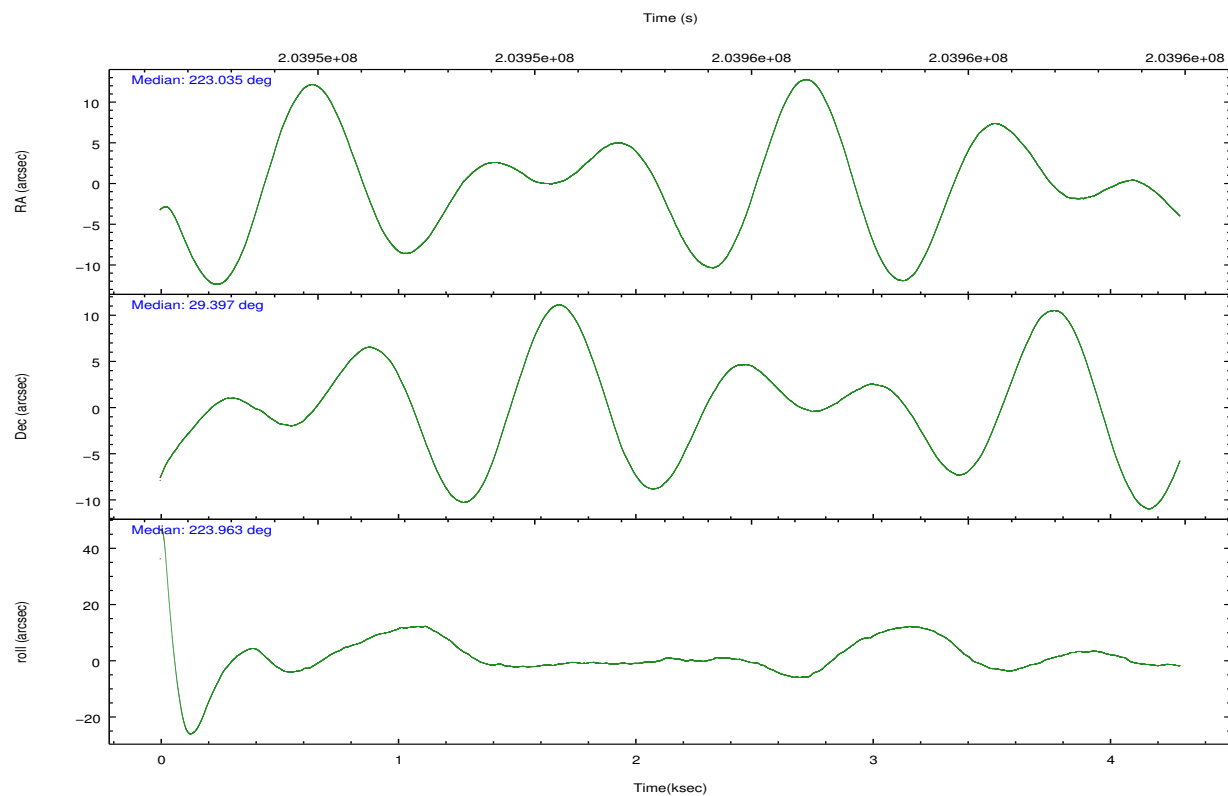
	ccd 7
grade 0 events	1429
	3%
grade 1 events	52
	0%
grade 2 events	3320
	8%
grade 3 events	1499
	3%
grade 4 events	1547
	3%
grade 5 events	3785
	9%
grade 6 events	8956
	22%
grade 7 events	19619
	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	223.042756	223.0344444779084	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.423326	29.39692186351829	Alternating exposures requested	N	N
[deg] Pointing Roll	223.811786	223.9727724176292	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	203952773.184000	203952038.05382			
Observation start date	2004-06-18T13:31:49	2004-06-18T13:20:38			
[s] Observation end time (MET)	203956773.184000	203957452.10406			
Observation end date	2004-06-18T14:38:29	2004-06-18T14:50:52			
Read mode	TIMED	TIMED			

2.3 Aspect



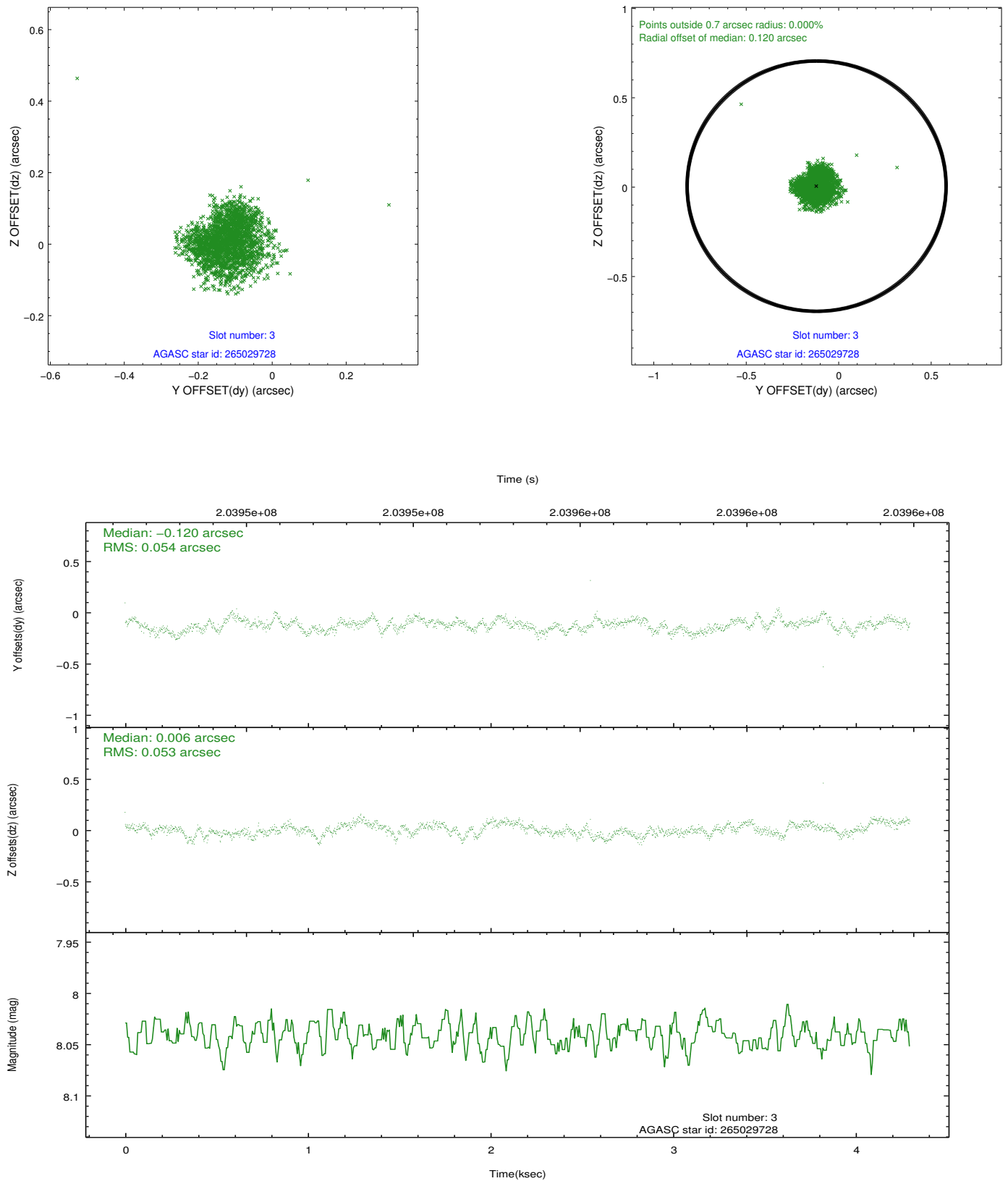


Slot Statistics

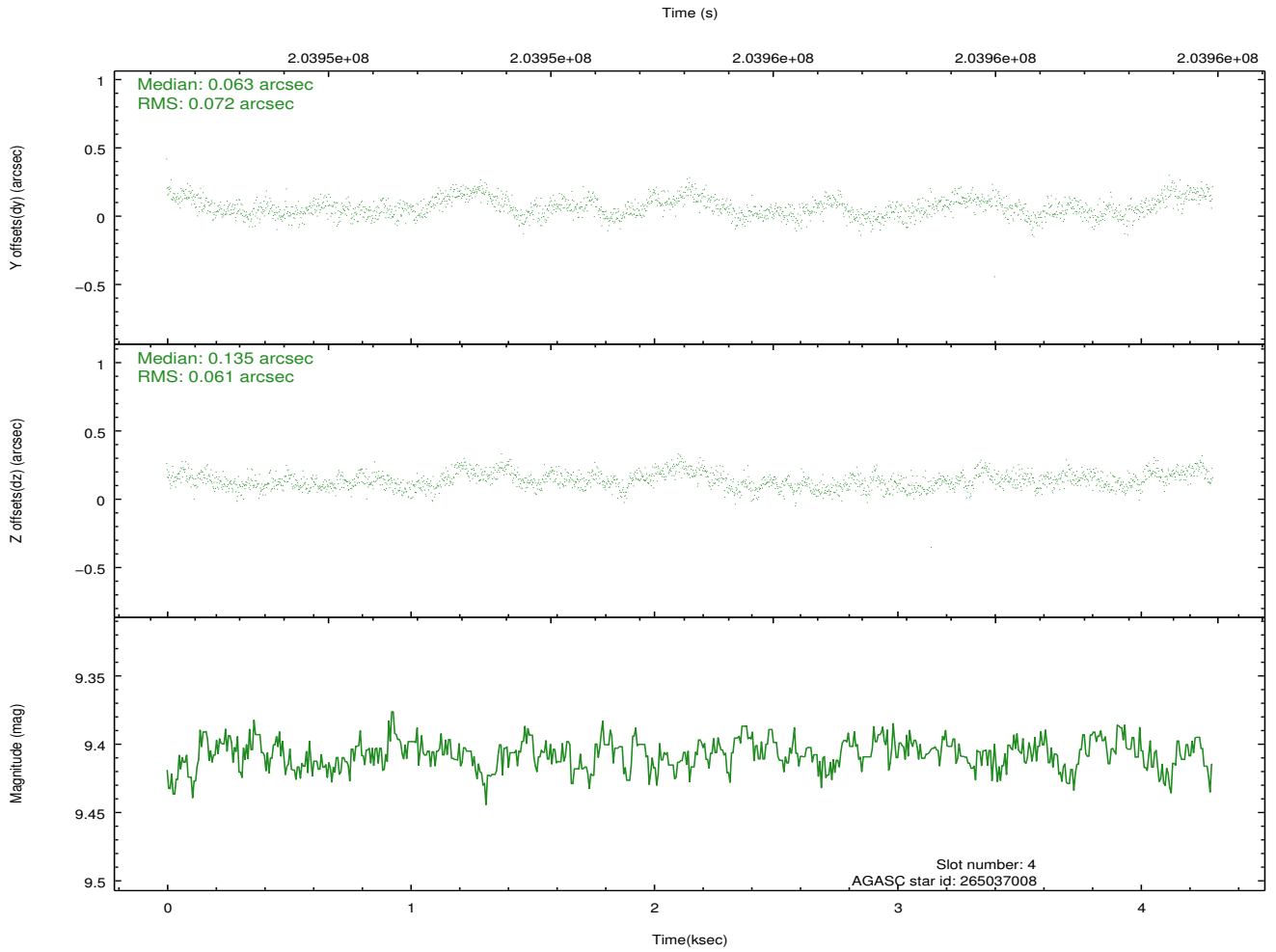
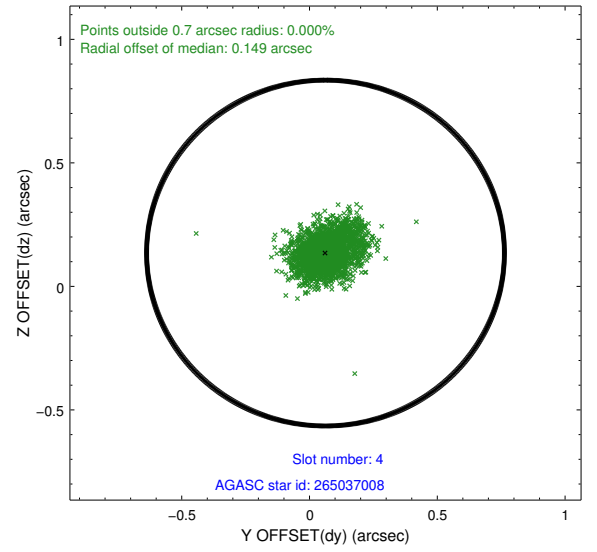
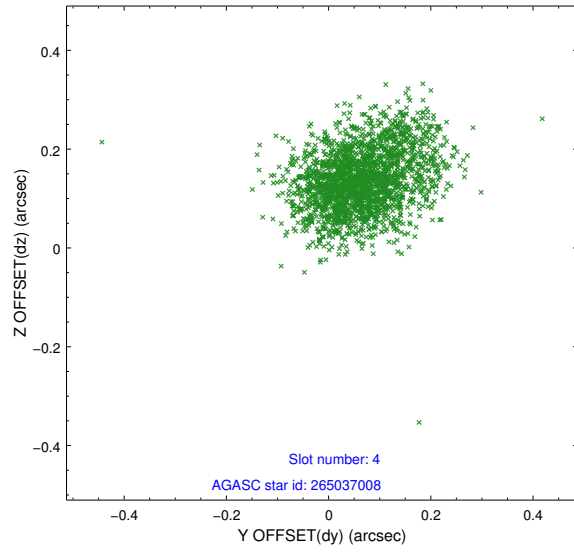
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1048	-0.042	-0.048	0.009	0.018	0.000000	0.000000	-759.32	-1730.13
1	FID	ACIS-S-4	7.20	1049	0.085	0.034	0.013	0.025	0.000000	0.000000	2153.43	176.94
2	FID	ACIS-S-5	7.23	1047	-0.073	0.023	0.011	0.018	0.000000	0.000000	-1810.33	172.24
3	GUIDE	265029728	8.04	2097	-0.120	0.006	0.081	0.121	223.171215	29.256203	125.04	713.38
4	GUIDE	265037008	9.41	2095	0.063	0.135	0.100	0.162	222.780703	28.744402	2288.08	1191.19
5	GUIDE	265164608	9.83	2094	-0.049	0.151	0.142	0.250	223.478489	29.236472	-523.12	1431.76
6	GUIDE	265167032	10.11	2094	-0.018	-0.133	0.170	0.280	223.653915	29.024560	-398.79	2364.61
7	GUIDE	265034064	10.93	2086	0.138	-0.161	0.260	0.438	222.586634	28.876789	2397.49	423.69

2.4 Star Slots

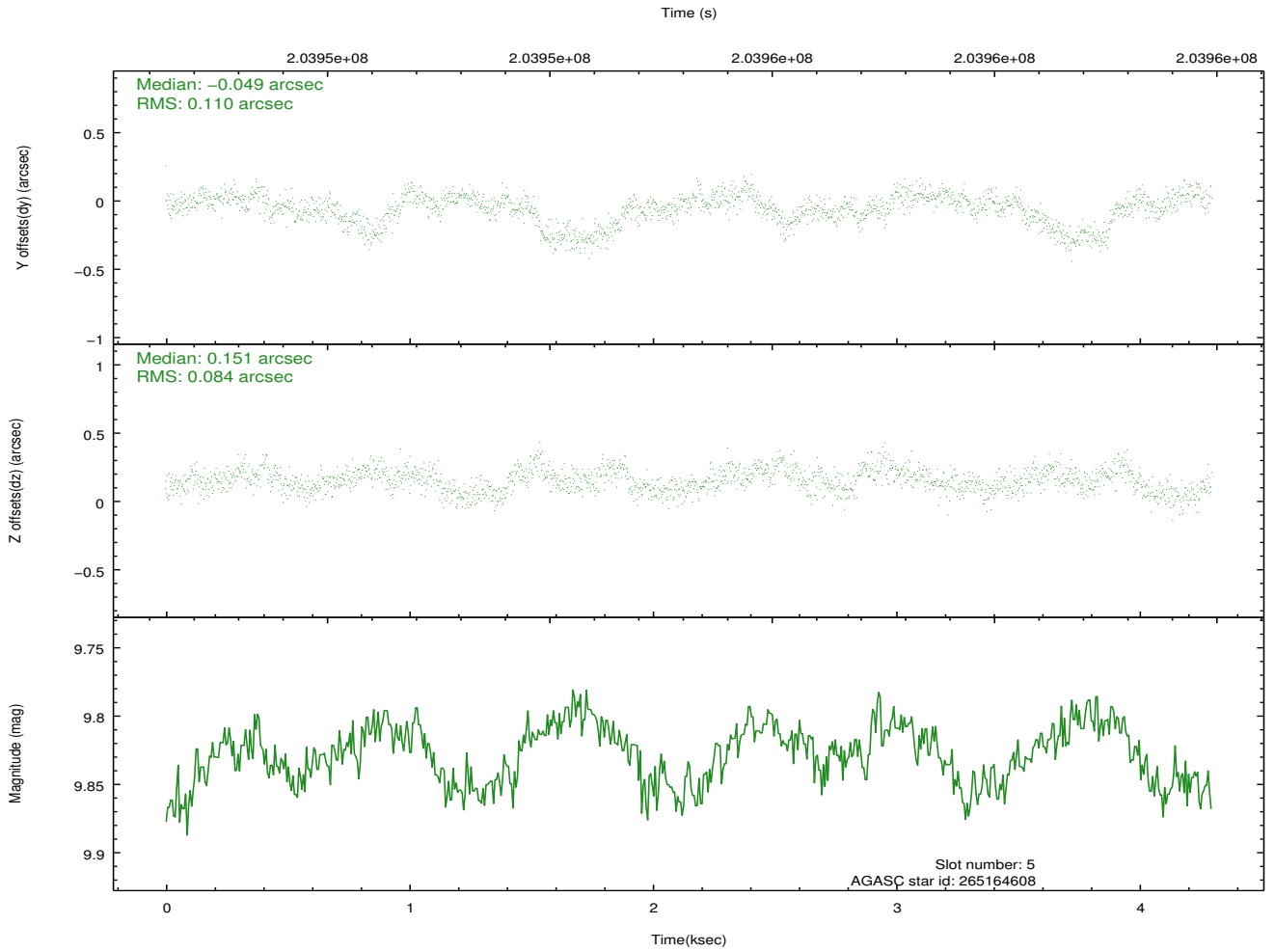
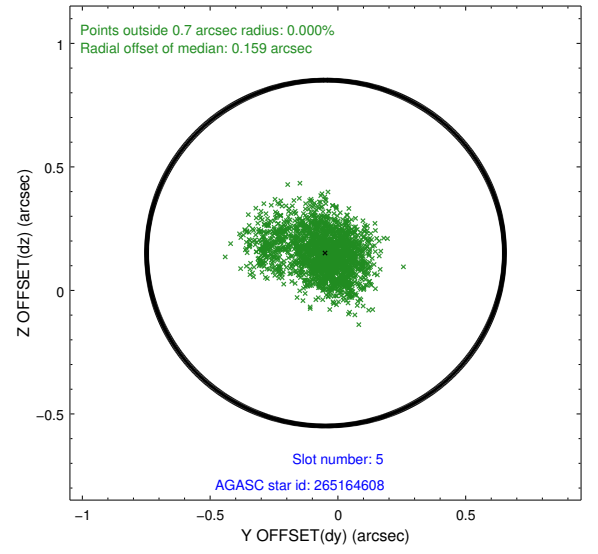
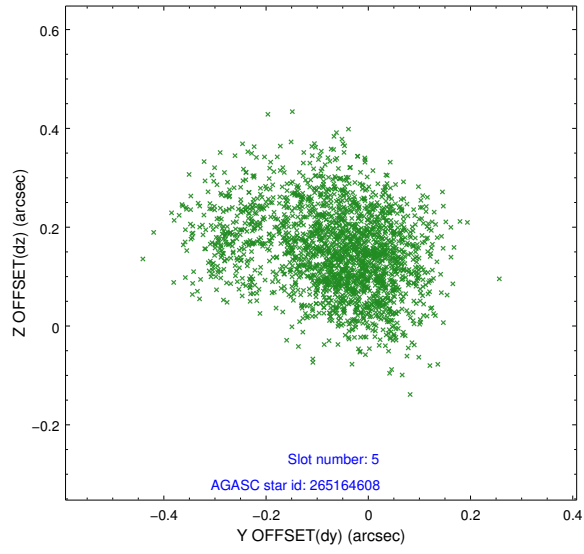
2.4.1 Slot 3



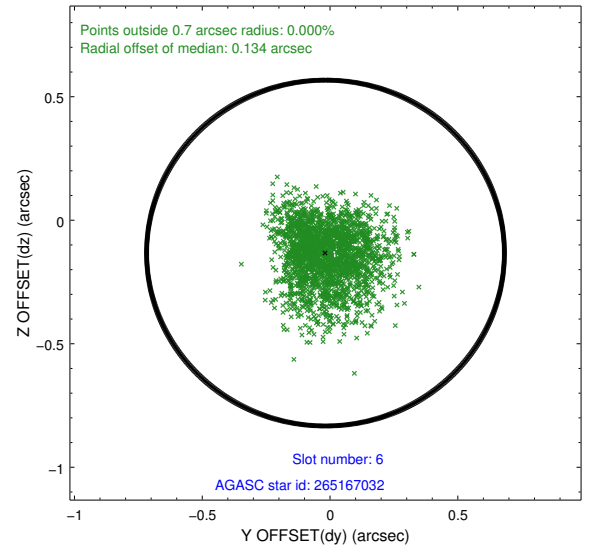
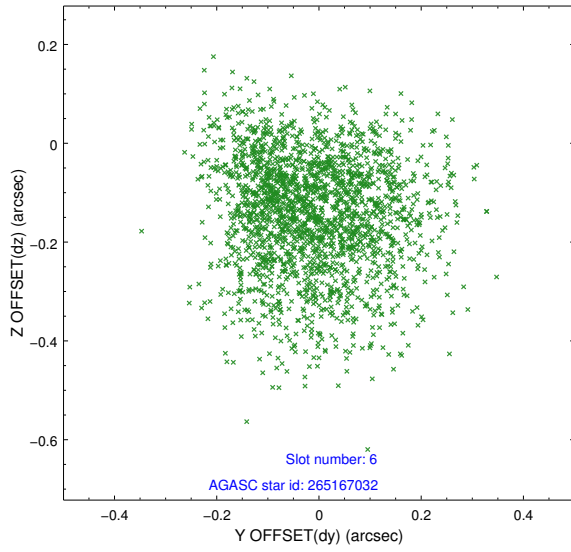
2.4.2 Slot 4



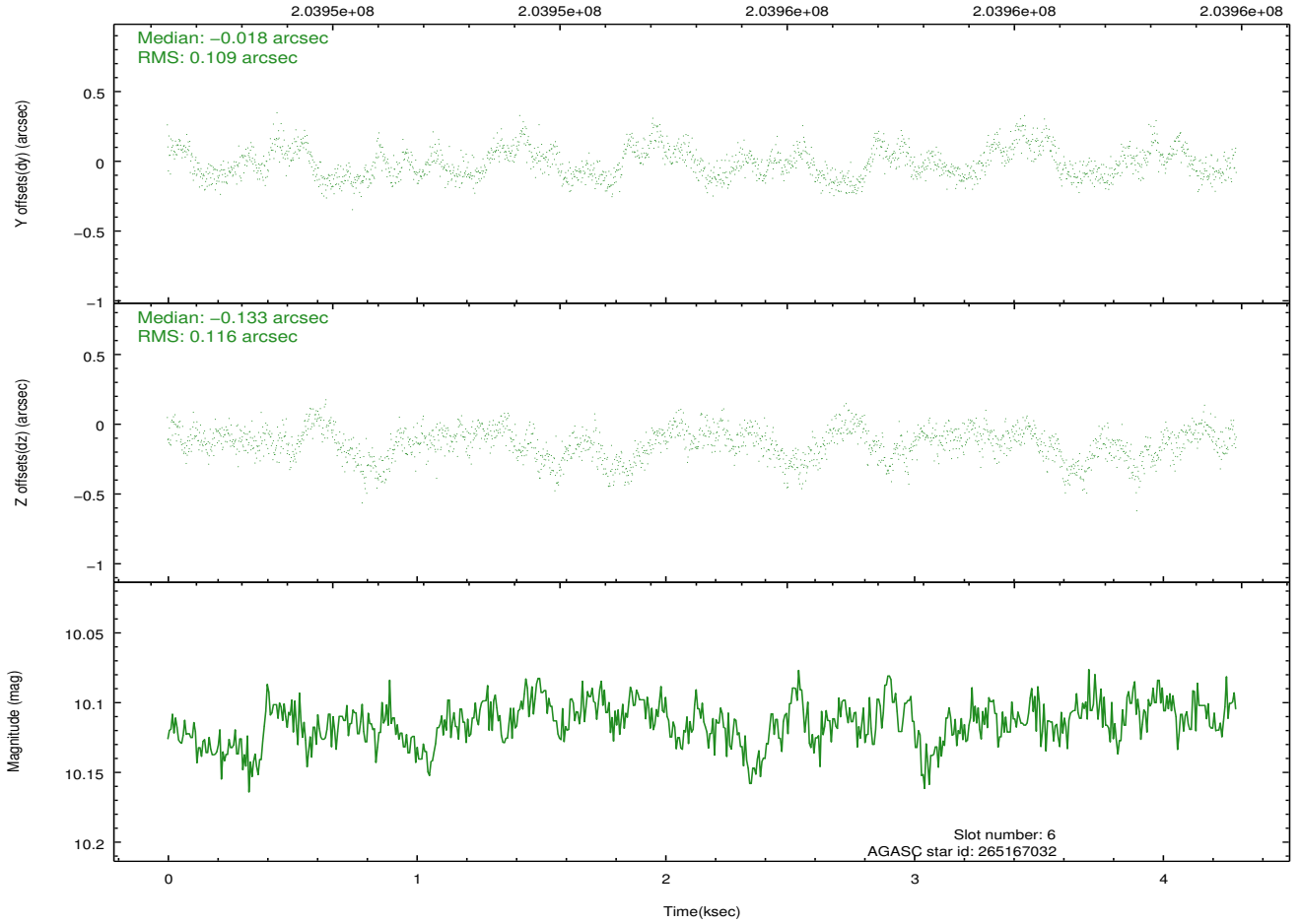
2.4.3 Slot 5



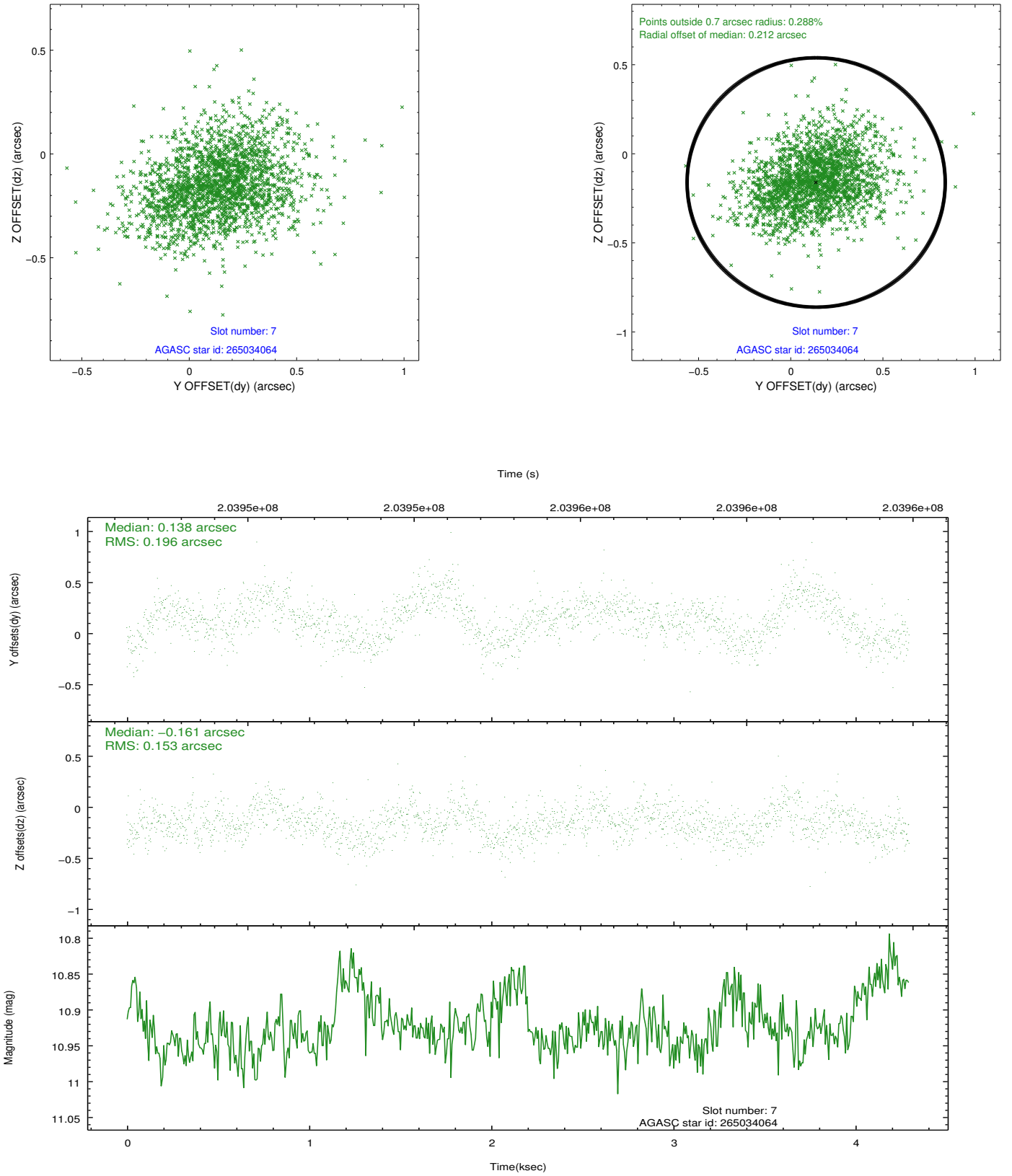
2.4.4 Slot 6



Time (s)

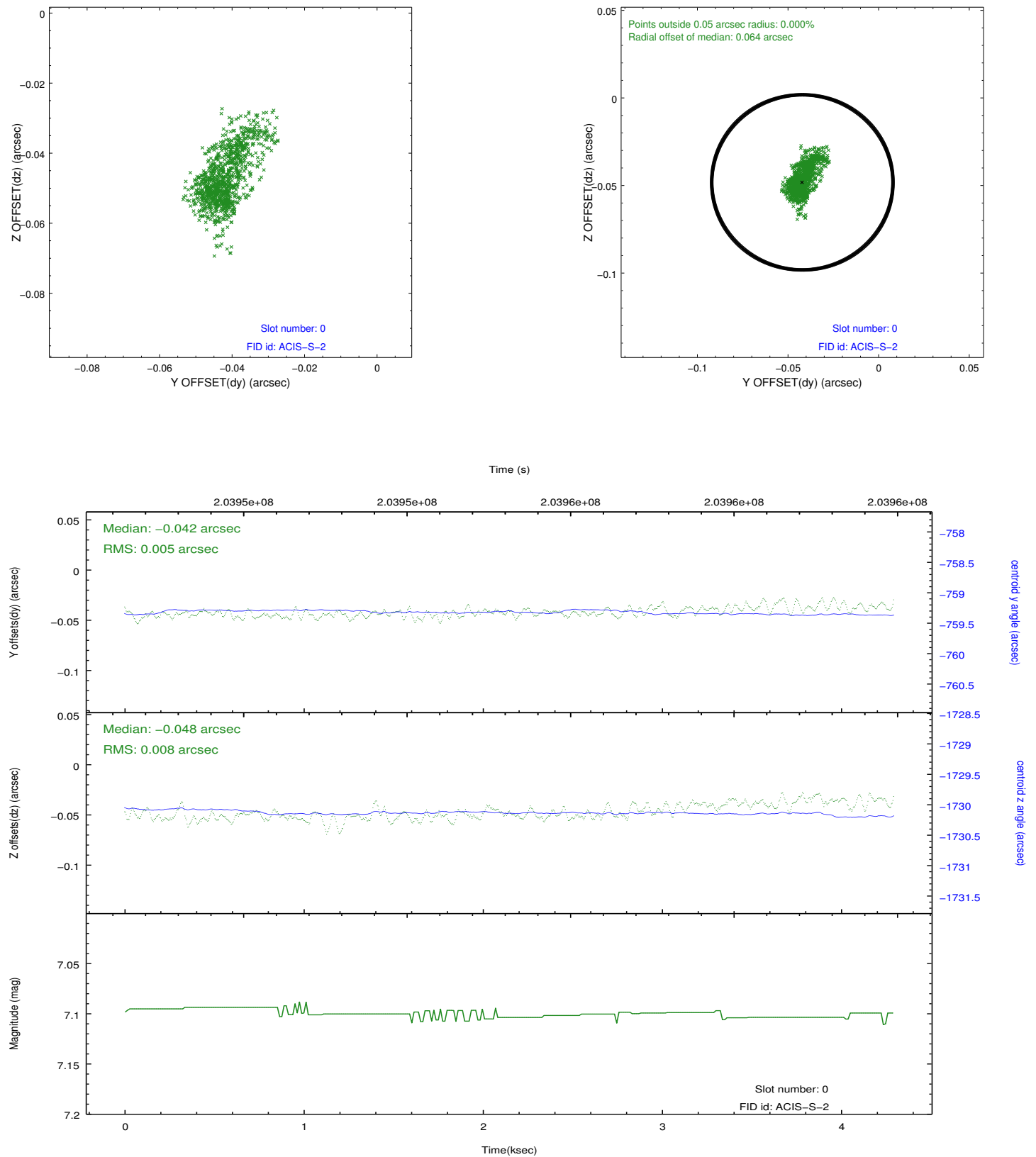


2.4.5 Slot 7

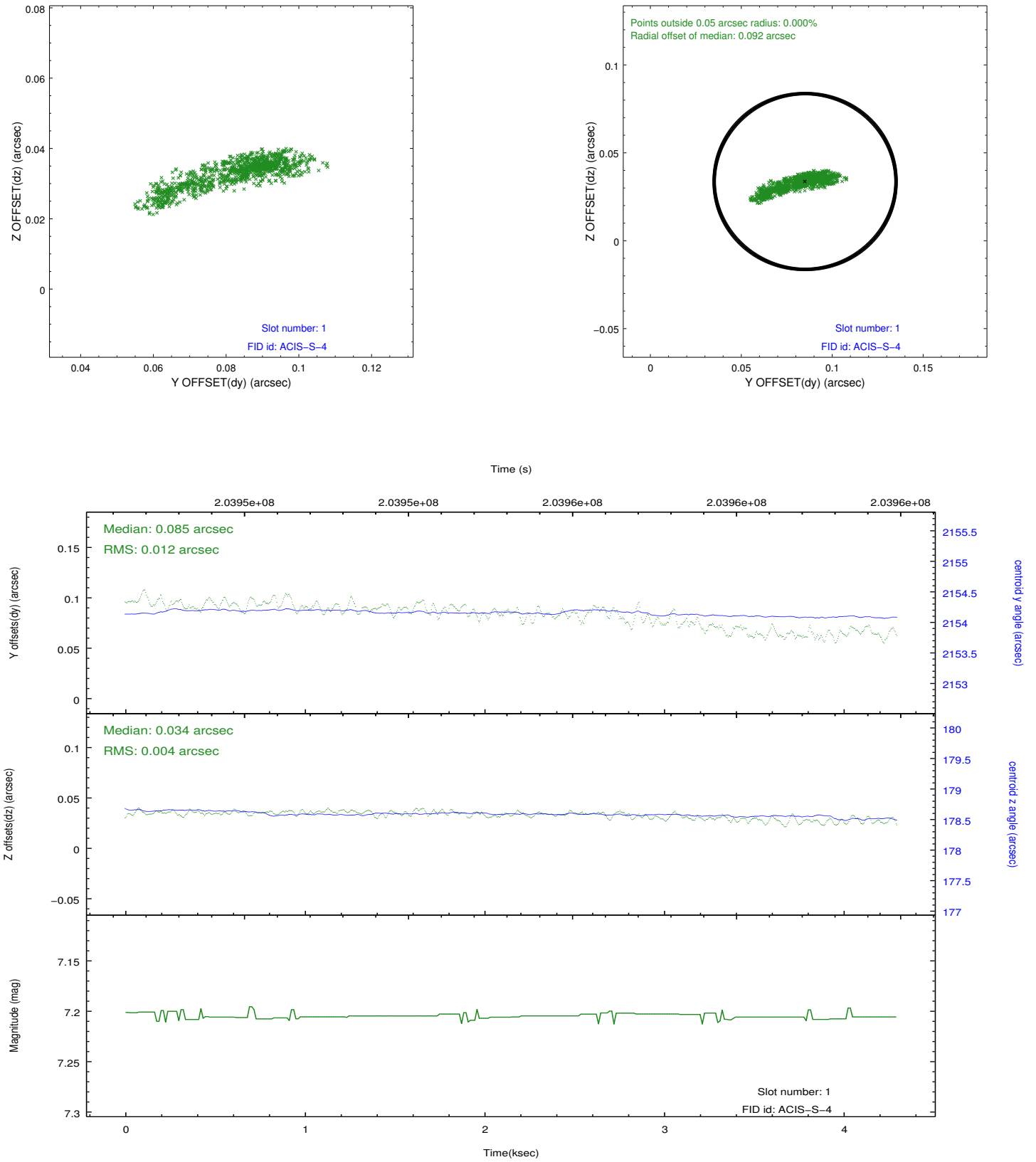


2.5 FID Slots

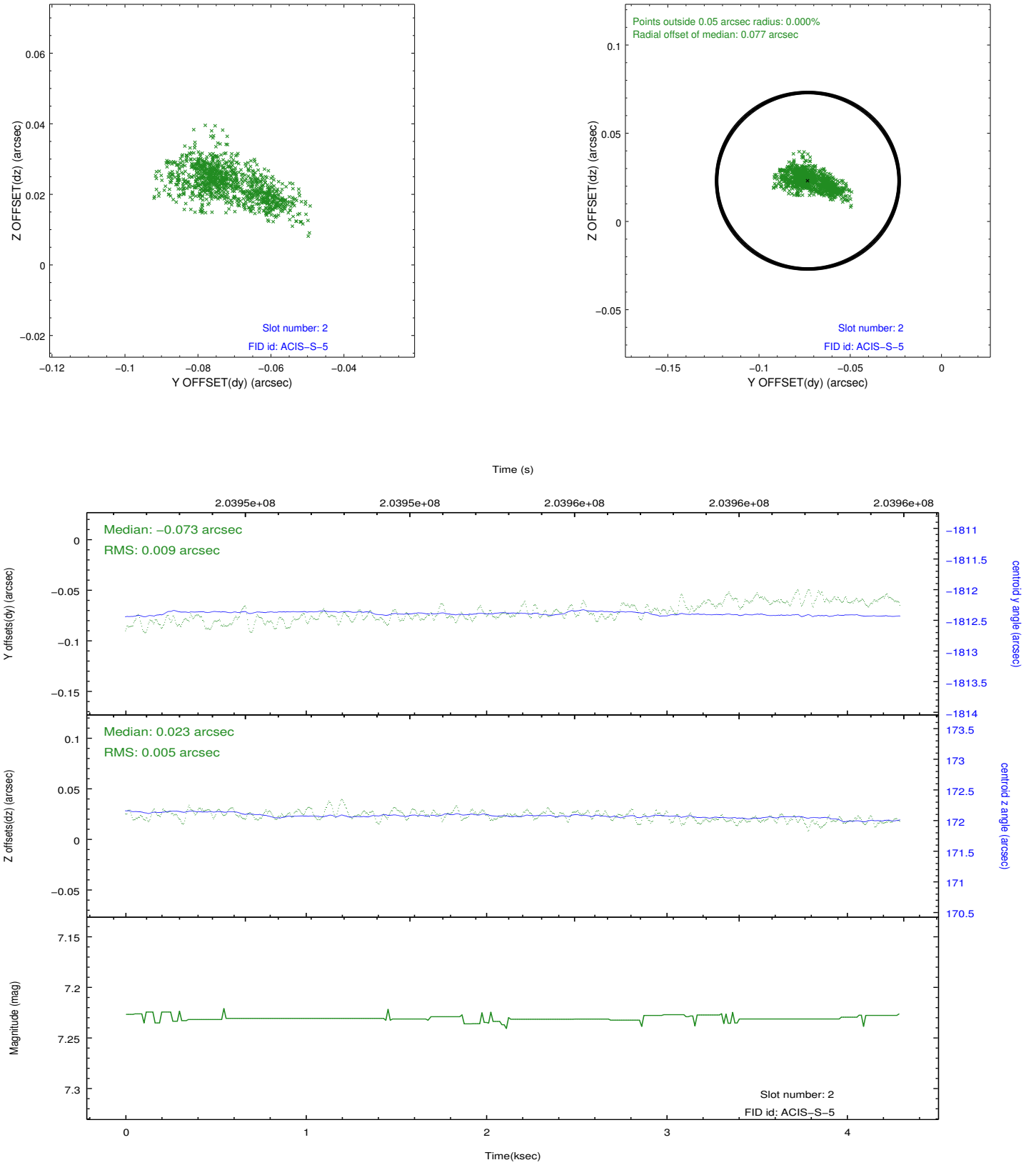
2.5.1 Slot 0



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)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.077

A.2 Comments