

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3096 - L2 Version 3
Chandra X-Ray Center

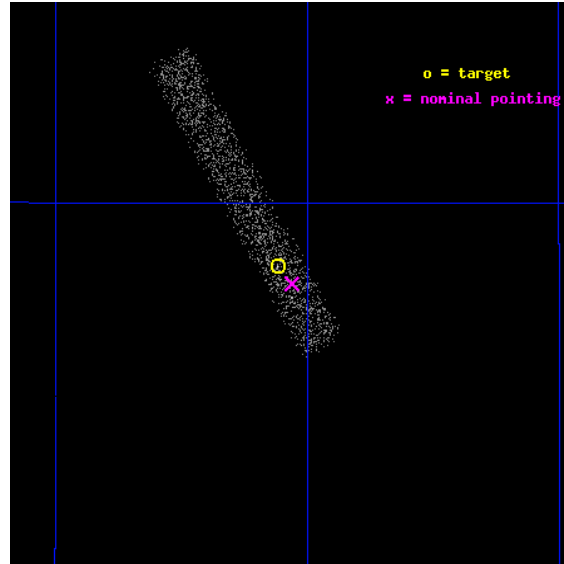
L2 Processing Date : Oct 7 2012

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

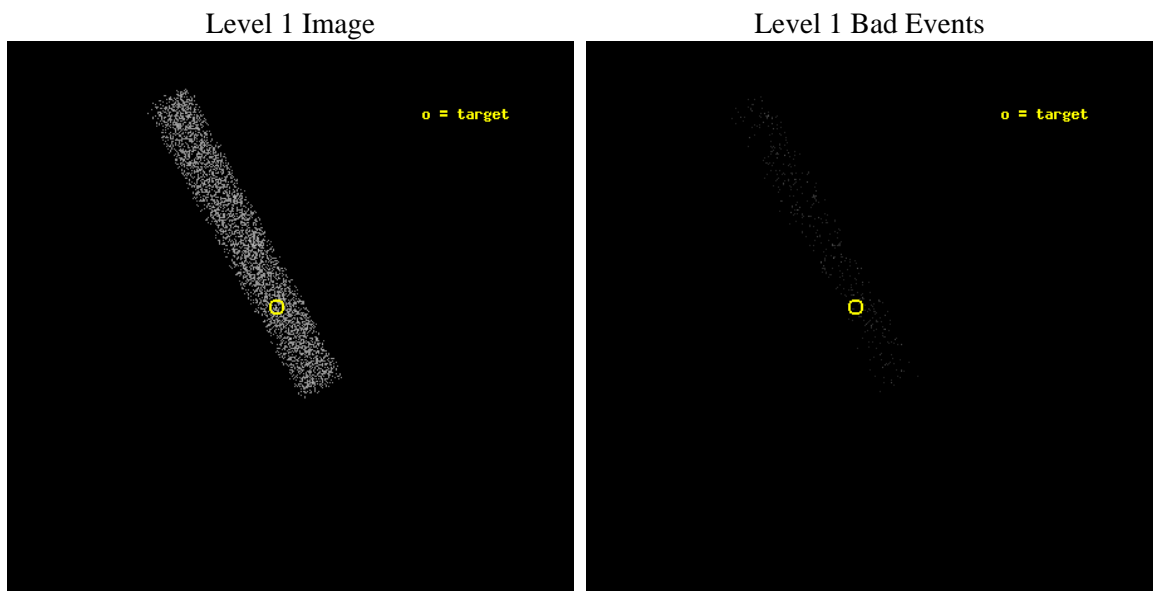
seq_num	700535	Sequence number
obs_id	3096	Observation id
title	THE X-RAY SPECTRA OF RED QUASARS SELECTED FROM 2MASS AND FIRST	Pro
observer	Dr Mark Lacy	Principal investigator
object	FTM1036+2828	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	159.139583	Observer's specified target RA [deg]
dec_targ	28.472667	Observer's specified target Dec [deg]
ra_nom	159.13261764832	Nominal RA [deg]
dec_nom	28.465044019575	Nominal Dec [deg]
roll_nom	241.55124576618	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4560.4000679255	Sum of GTIs [s]
livetime	4136.0421439556	Livetime [s]
ontime7	4560.4000679255	Sum of GTIs [s]
l2events	2322	Number of level 2 events



2 OBI

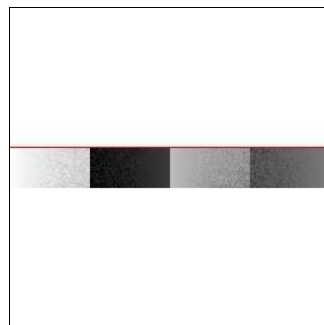
2.1 OBI

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	4560.4000679255	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	4560.4000679255	Sum of GTIs [s]
date	2012-10-07T08:01:36	Date and time of file creation	l1events	5529	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

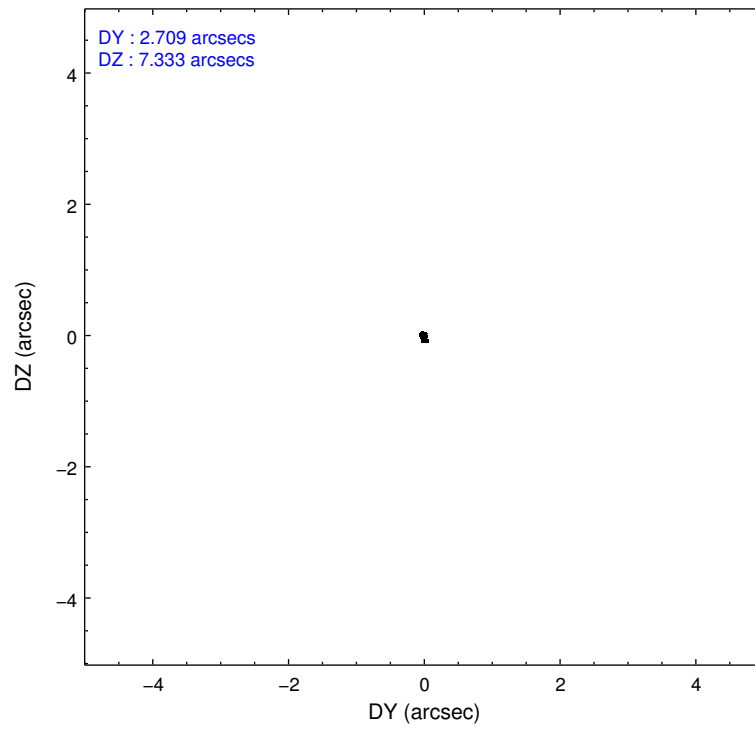
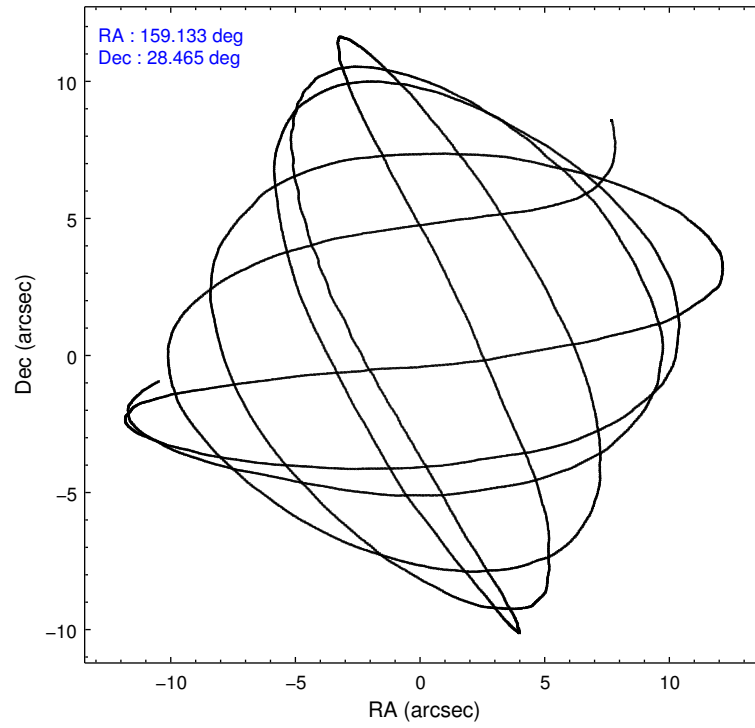
	ccd 7
level 1 events	5529
rejected events	3123
rejected %	56%

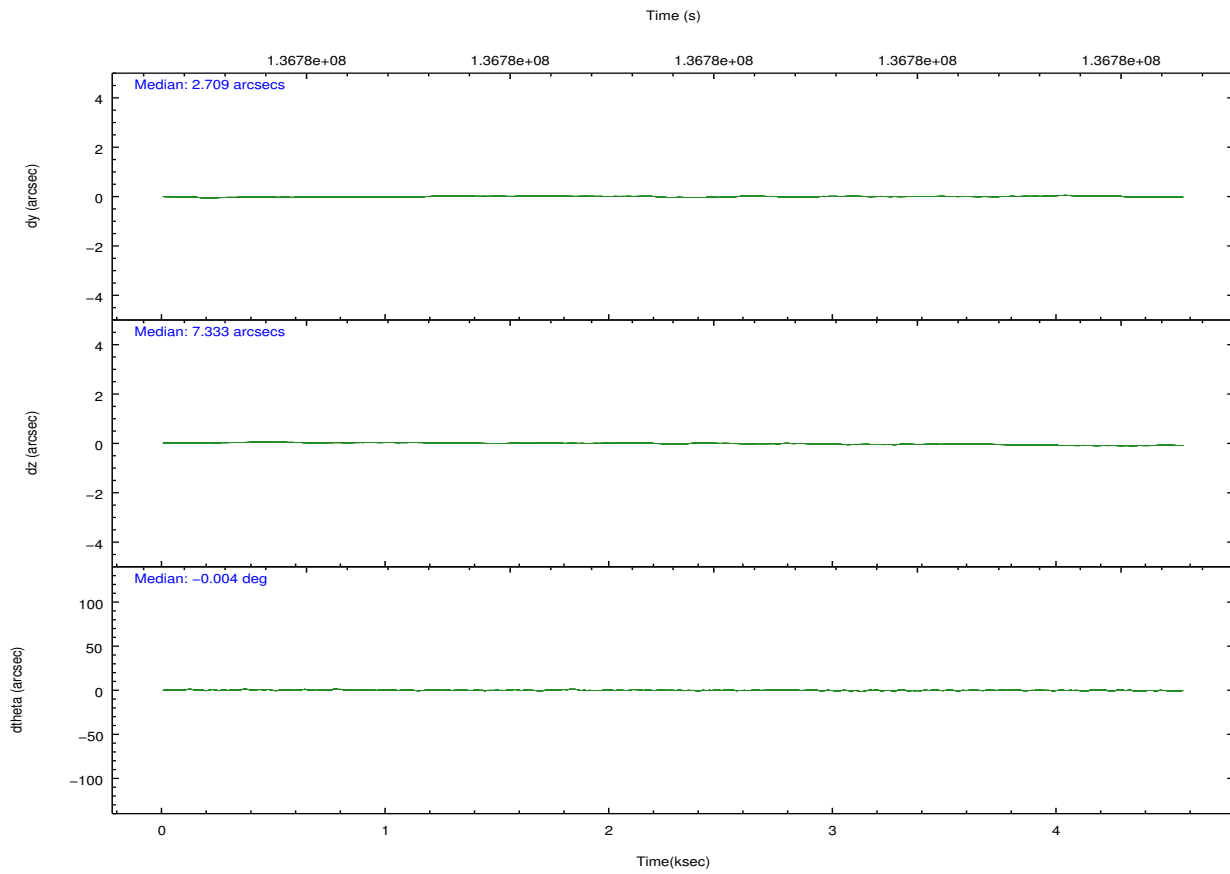
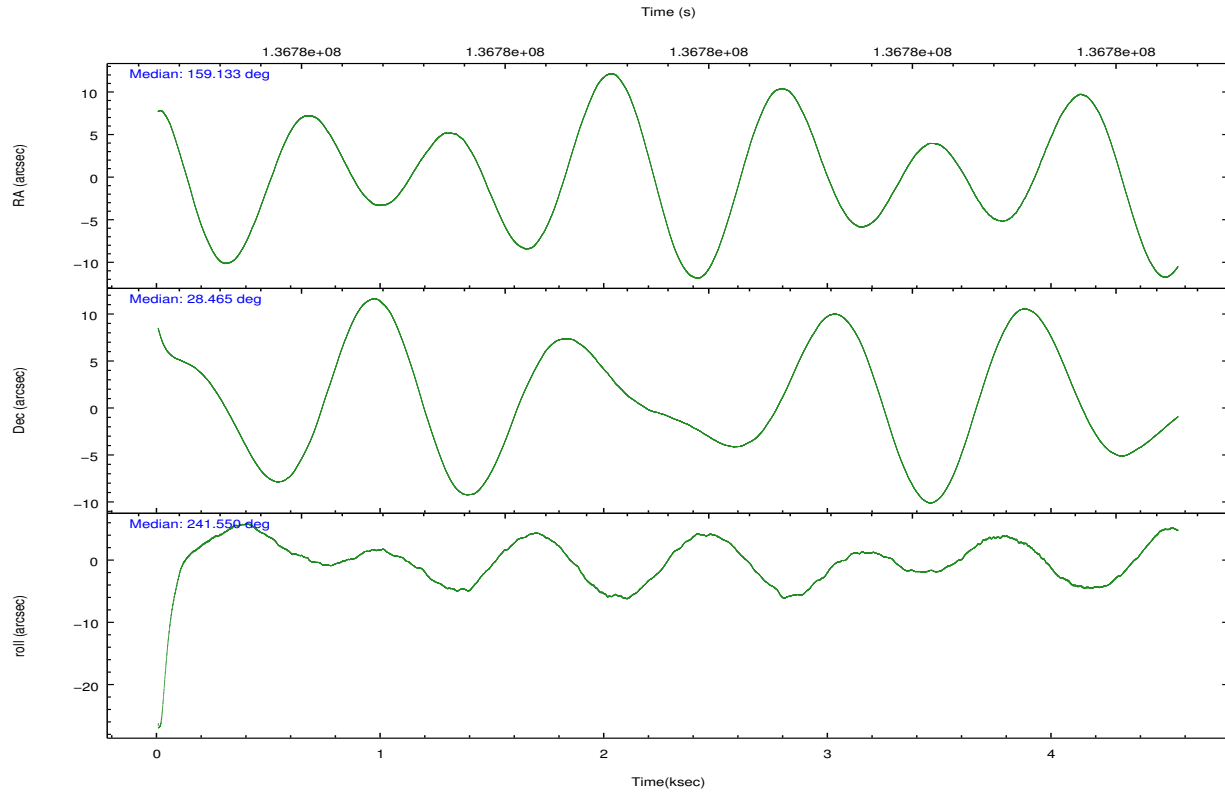
	ccd 7
grade 0 events	303
	5%
grade 1 events	8
	0%
grade 2 events	511
	9%
grade 3 events	318
	5%
grade 4 events	316
	5%
grade 5 events	511
	9%
grade 6 events	1121
	20%
grade 7 events	2441
	44%

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	159.131470	159.1326176483237	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	28.492321	28.46504401957549	Subarray start row	449	449
[deg] Pointing Roll	241.395219	241.5512457661783	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	136778088.184000	136776941.27593			
Observation start date	2002-05-03T01:53:44	2002-05-03T01:35:41			
[s] Observation end time (MET)	136782088.184000	136782490.62616			
Observation end date	2002-05-03T03:00:24	2002-05-03T03:08:10			
Read mode	TIMED	TIMED			

2.3 Aspect



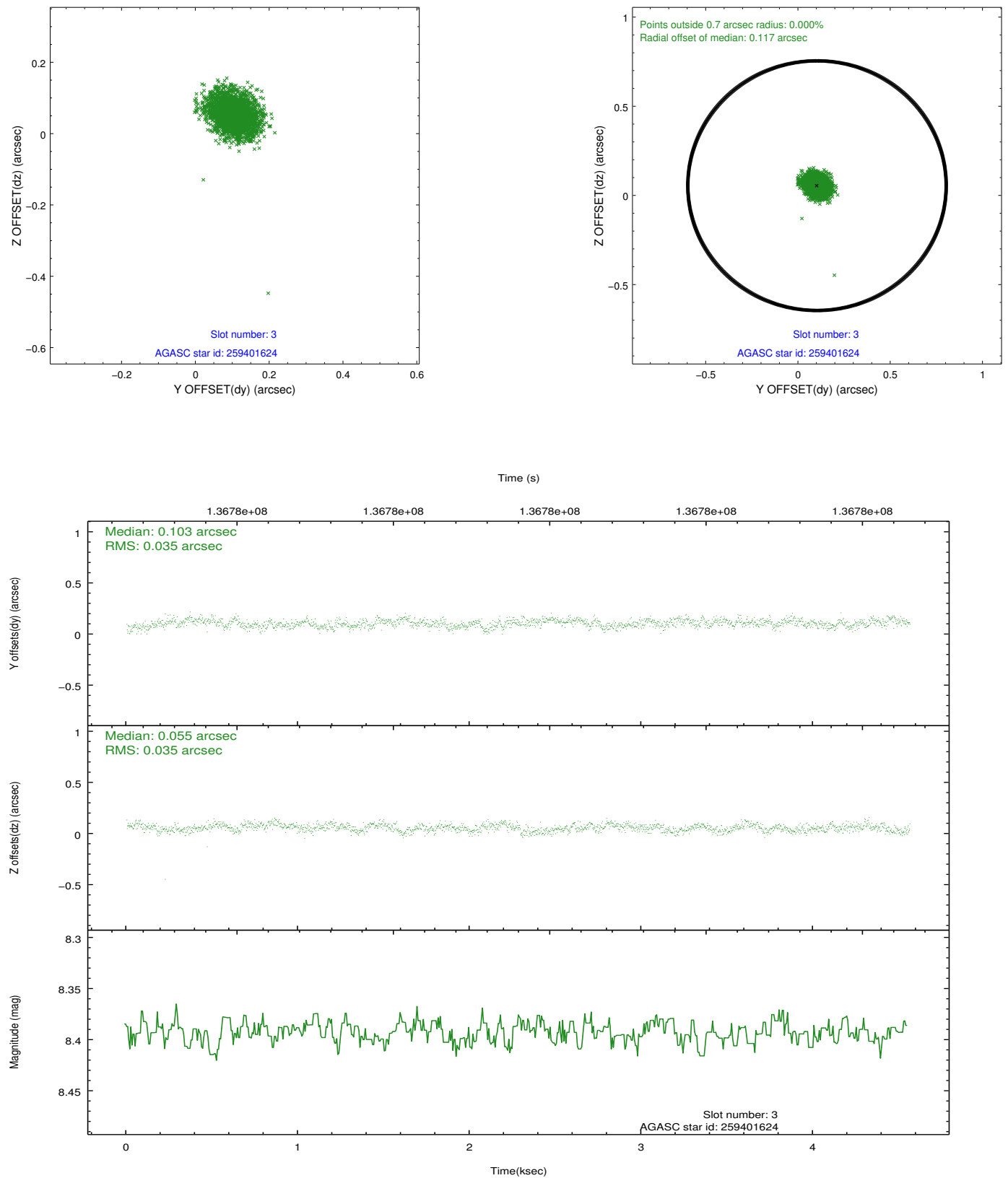


Slot Statistics

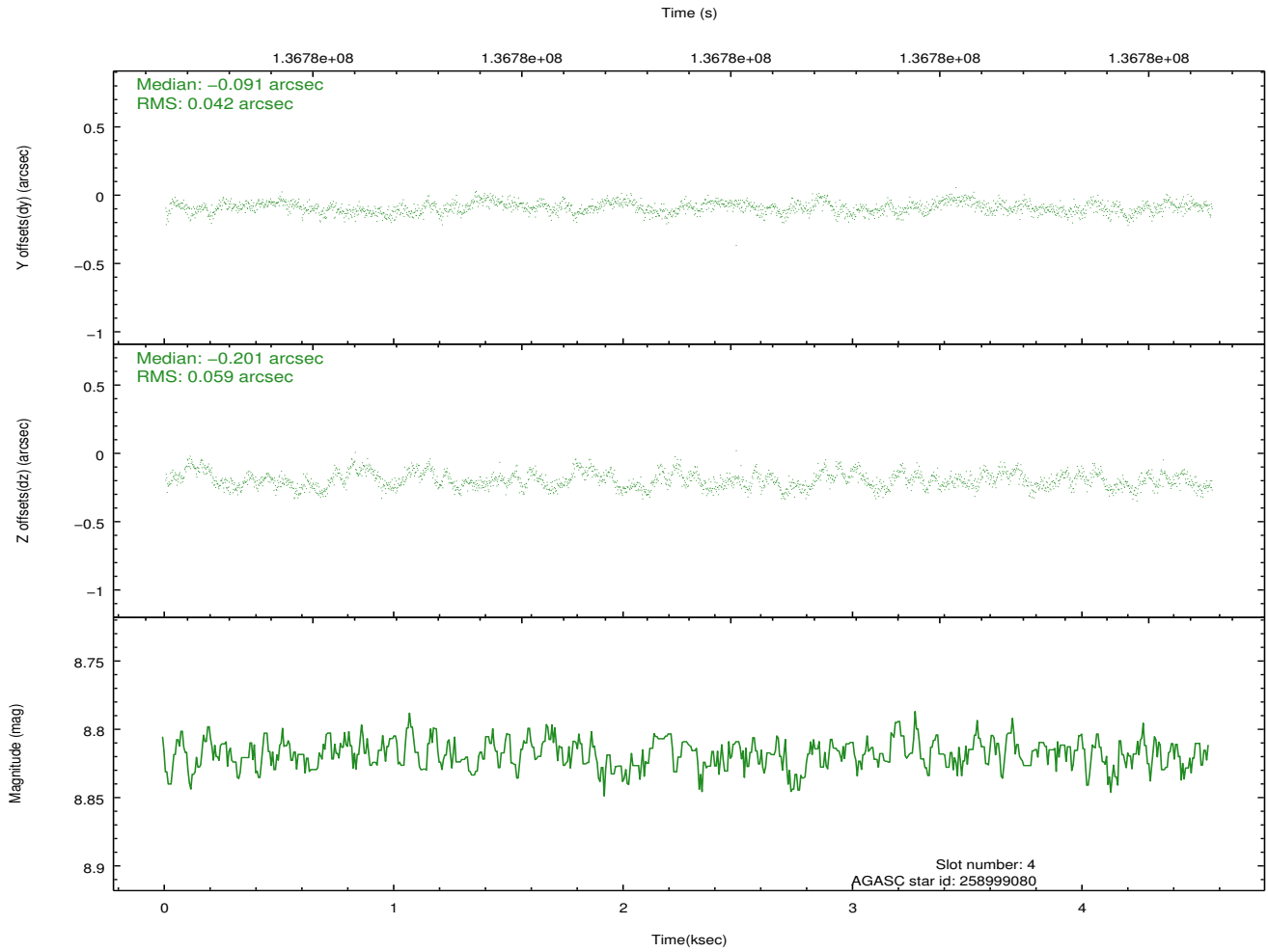
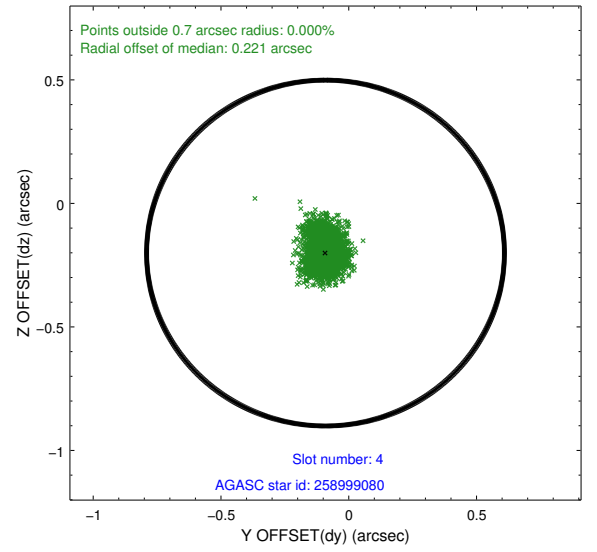
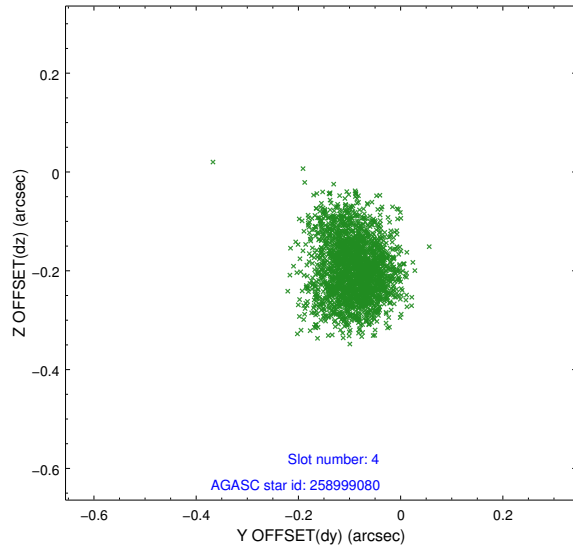
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1113	-0.011	0.007	0.006	0.010	0.000000	0.000000	-755.35	-1728.44
1	FID	ACIS-S-4	7.20	1113	-0.041	0.003	0.005	0.010	0.000000	0.000000	2157.29	178.65
2	FID	ACIS-S-5	7.24	1113	0.021	-0.001	0.006	0.011	0.000000	0.000000	-1806.42	173.86
3	GUIDE	259401624	8.39	2226	0.103	0.055	0.051	0.083	159.195650	27.776207	2165.63	1414.11
4	GUIDE	258999080	8.82	2223	-0.091	-0.201	0.076	0.127	158.930276	29.104129	-1630.21	-1609.81
5	GUIDE	259004208	6.72	2226	0.031	0.100	0.075	0.111	158.708432	27.961574	2318.75	-267.41
6	GUIDE	259400528	9.91	2224	0.075	-0.030	0.131	0.224	159.840803	28.311636	-509.91	2281.88
7	GUIDE	259402688	9.07	2224	-0.121	0.082	0.068	0.111	159.410713	29.115742	-2392.10	-302.77

2.4 Star Slots

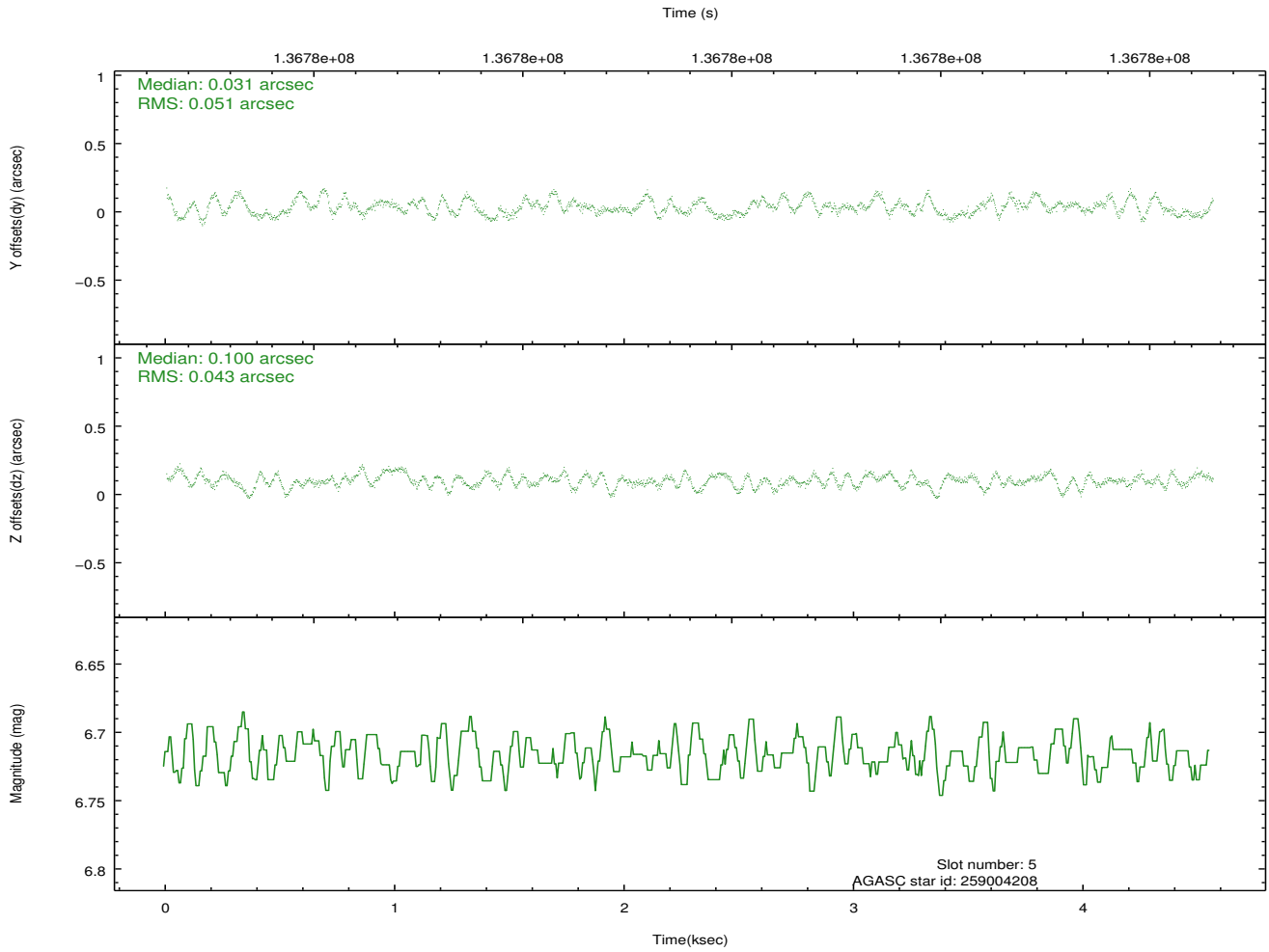
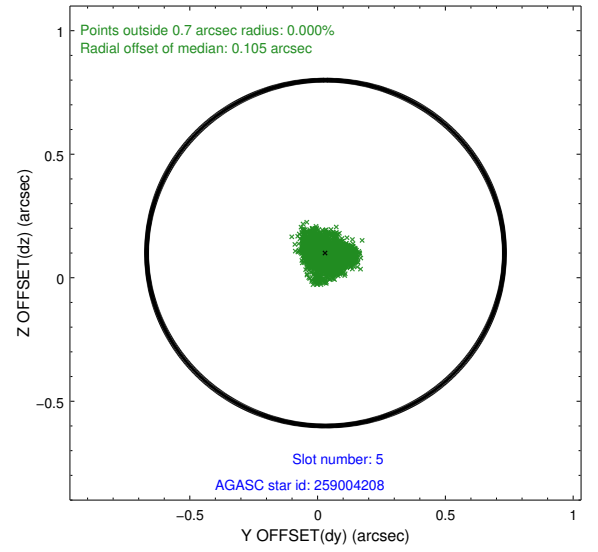
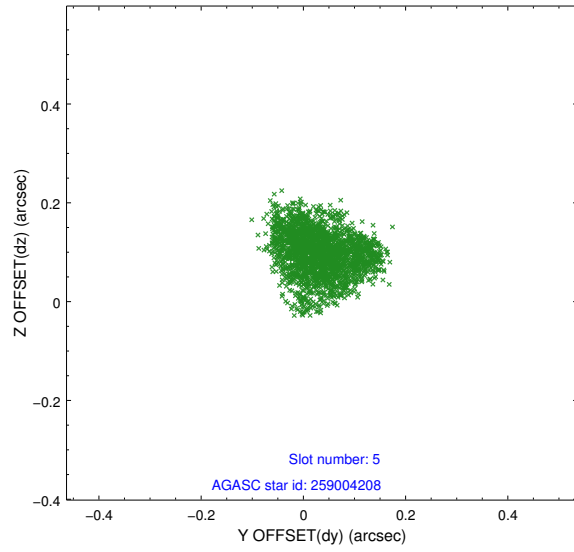
2.4.1 Slot 3



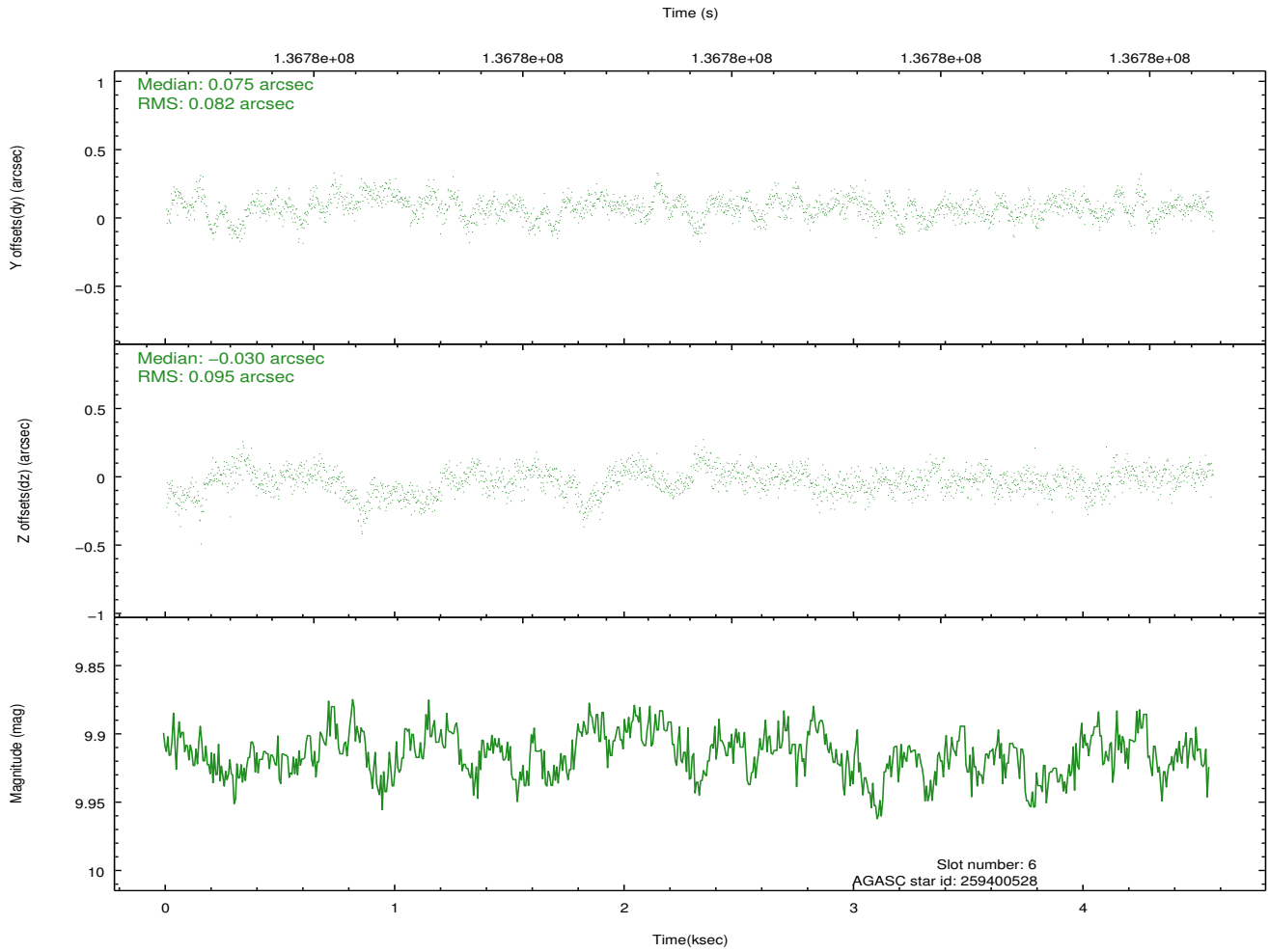
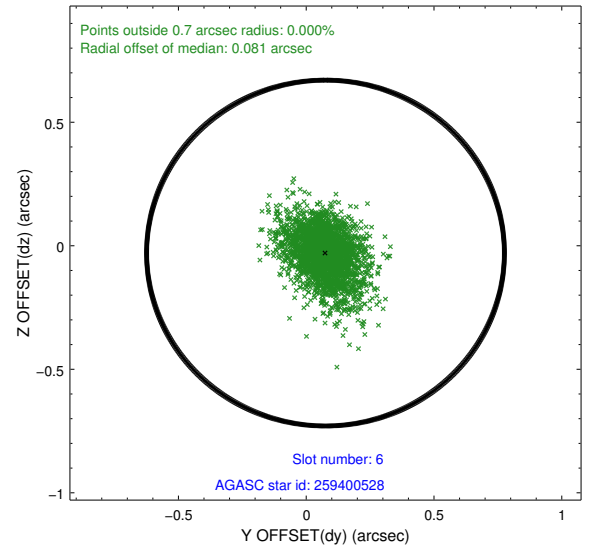
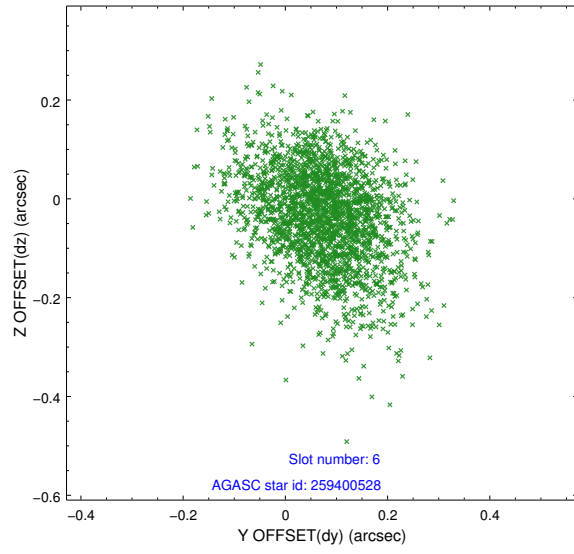
2.4.2 Slot 4



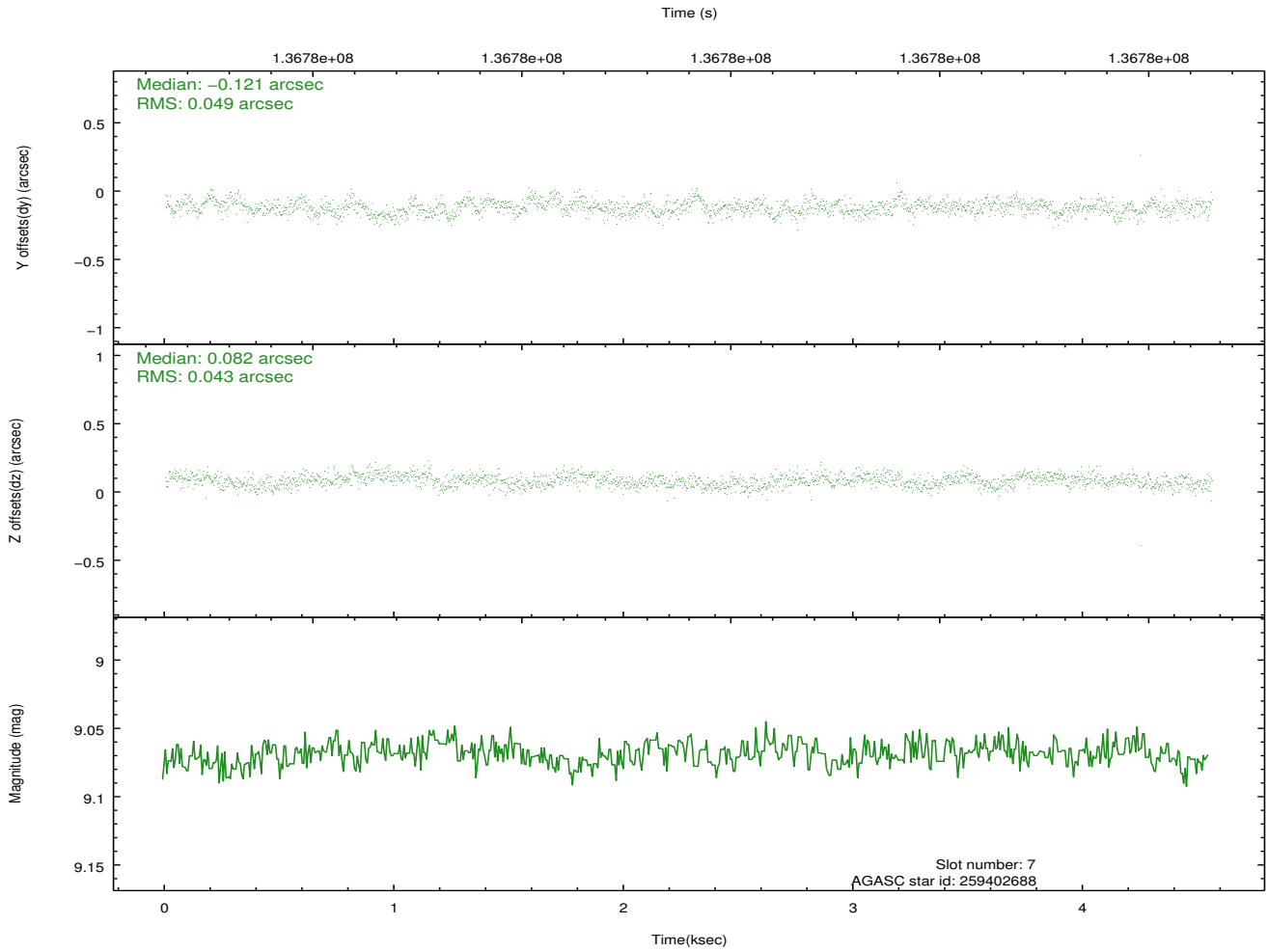
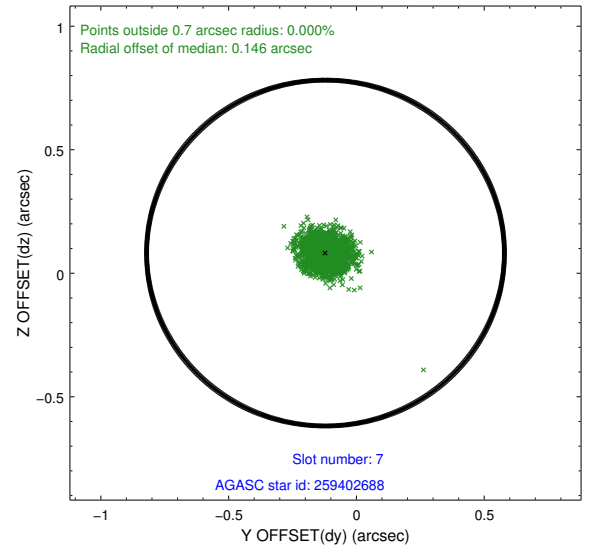
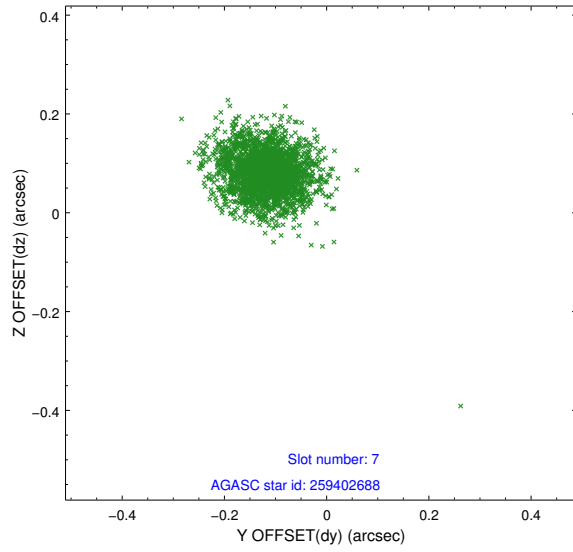
2.4.3 Slot 5



2.4.4 Slot 6

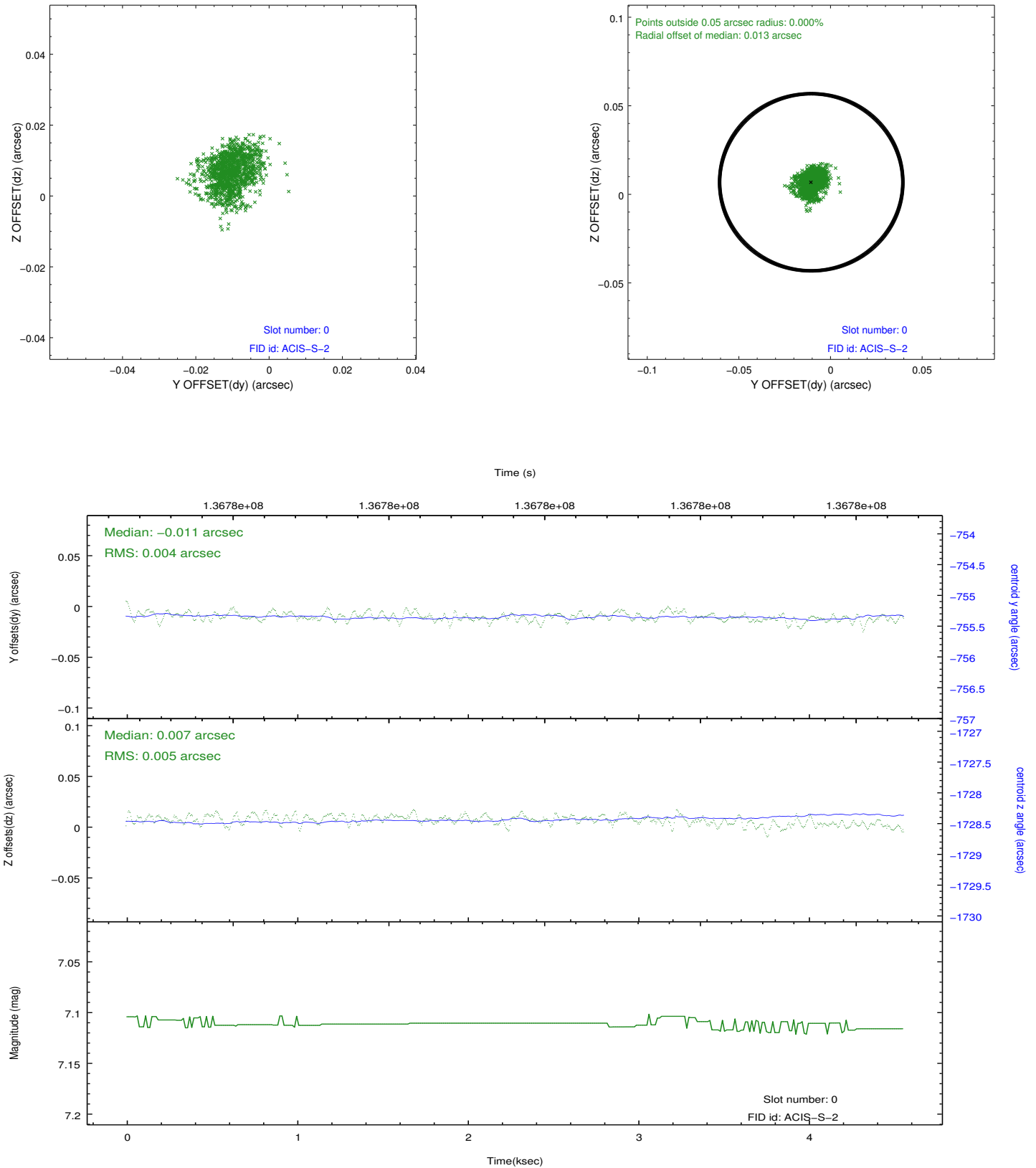


2.4.5 Slot 7

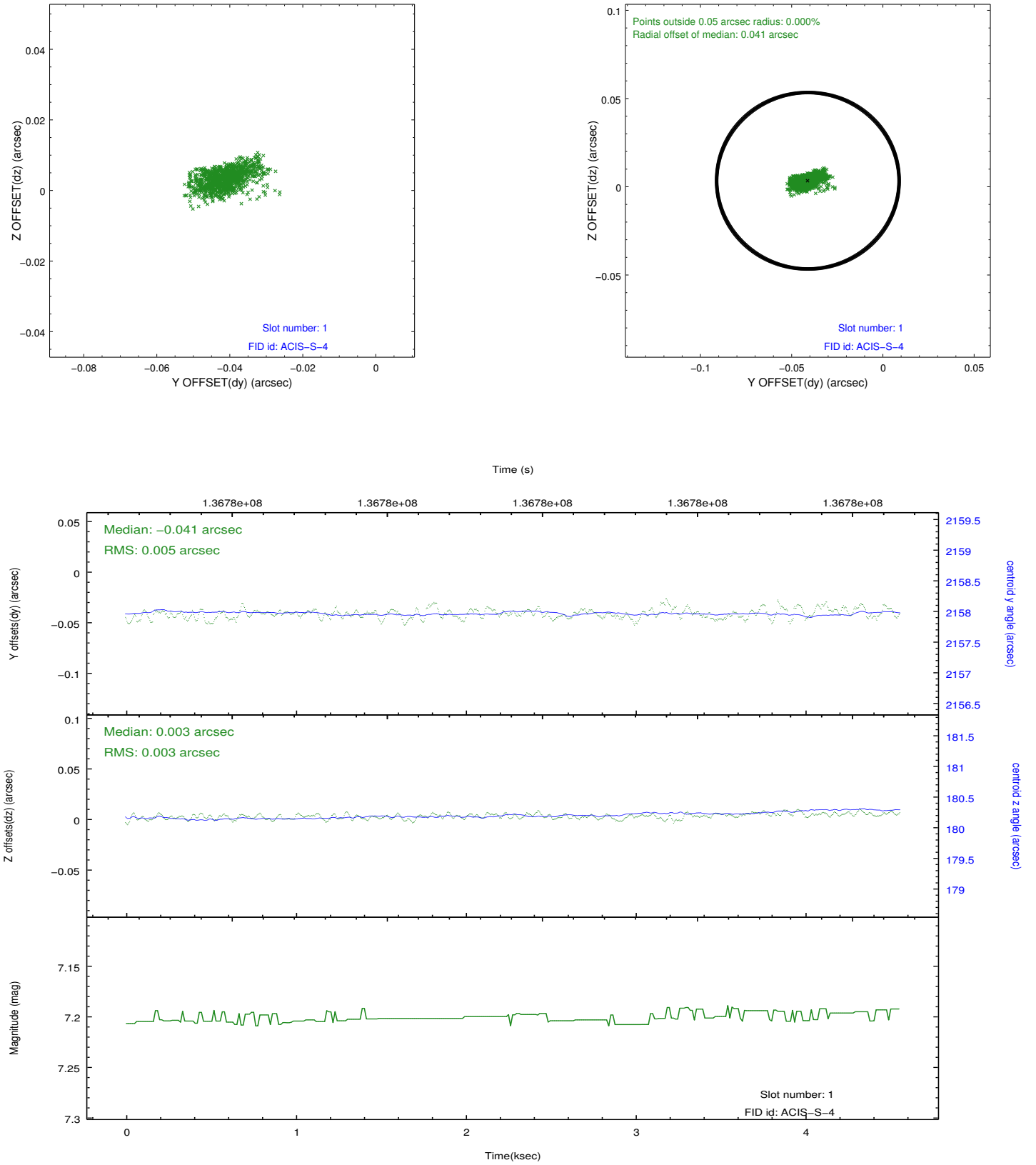


2.5 FID Slots

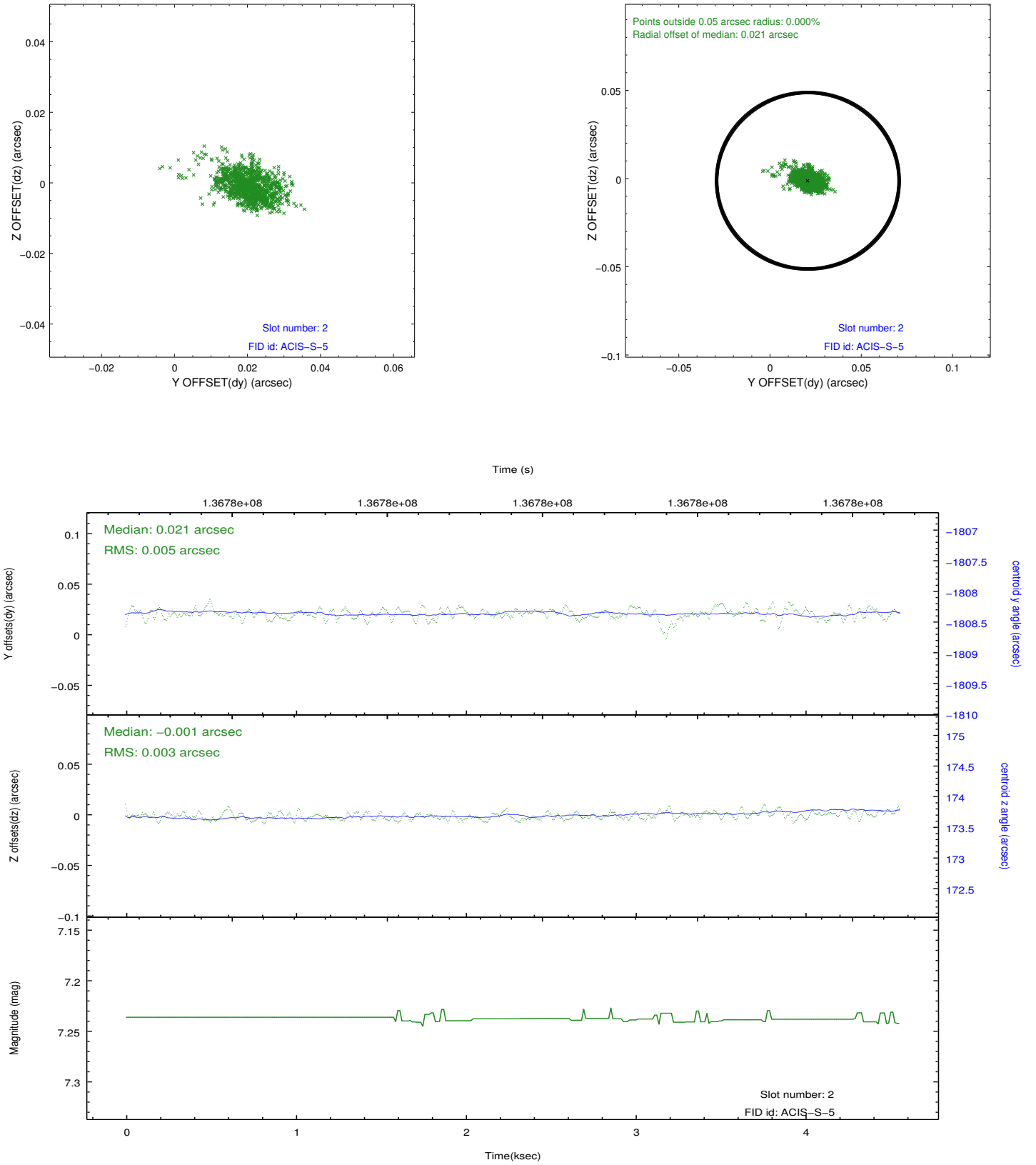
2.5.1 Slot 0



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)	2012.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.559

A.2 Comments