

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2167 - L2 Version 3
Chandra X-Ray Center

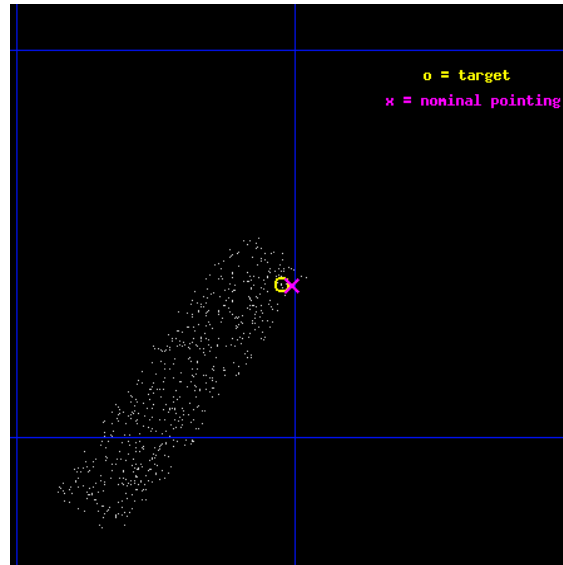
L2 Processing Date : Sep 16 2012

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

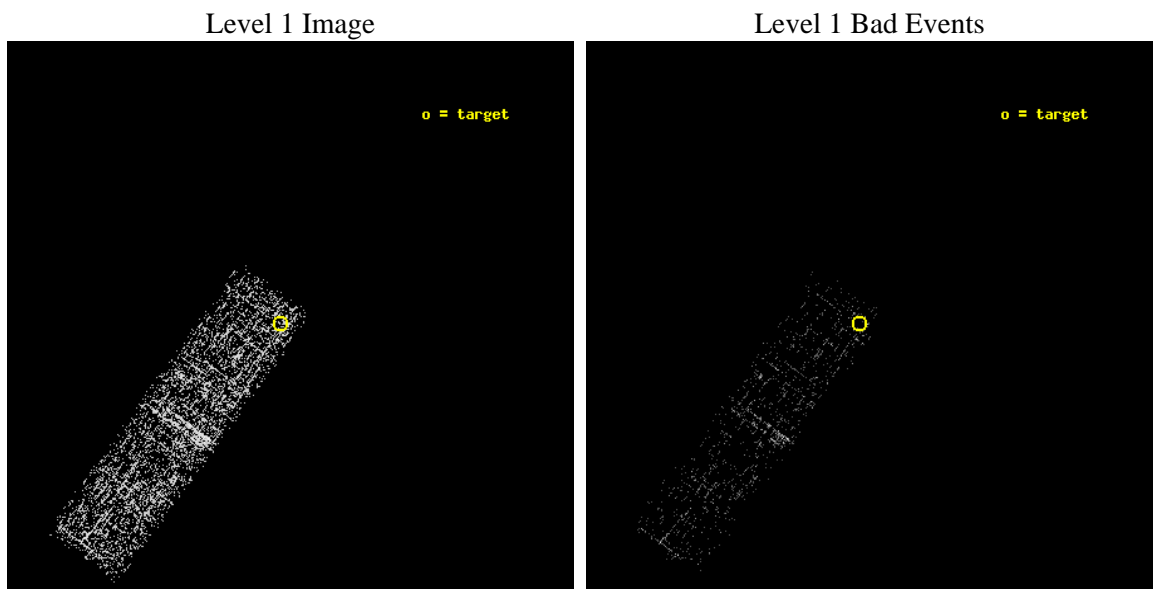
seq_num	700357	Sequence number
obs_id	2167	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ145331+1353	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.38125	Observer's specified target RA [deg]
dec_targ	13.899639	Observer's specified target Dec [deg]
ra_nom	223.37661284427	Nominal RA [deg]
dec_nom	13.898691333141	Nominal Dec [deg]
roll_nom	216.31485171085	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3316.7999876589	Sum of GTIs [s]
livetime	3154.9510012926	Livetime [s]
ontime3	3316.7999876589	Sum of GTIs [s]
l2events	613	Number of level 2 events



2 OBI

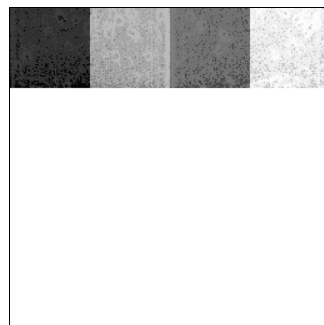
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3316.7999876589	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime3	3316.7999876589	Sum of GTIs [s]
date	2012-09-17T01:02:18	Date and time of file creation	l1events	7237	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

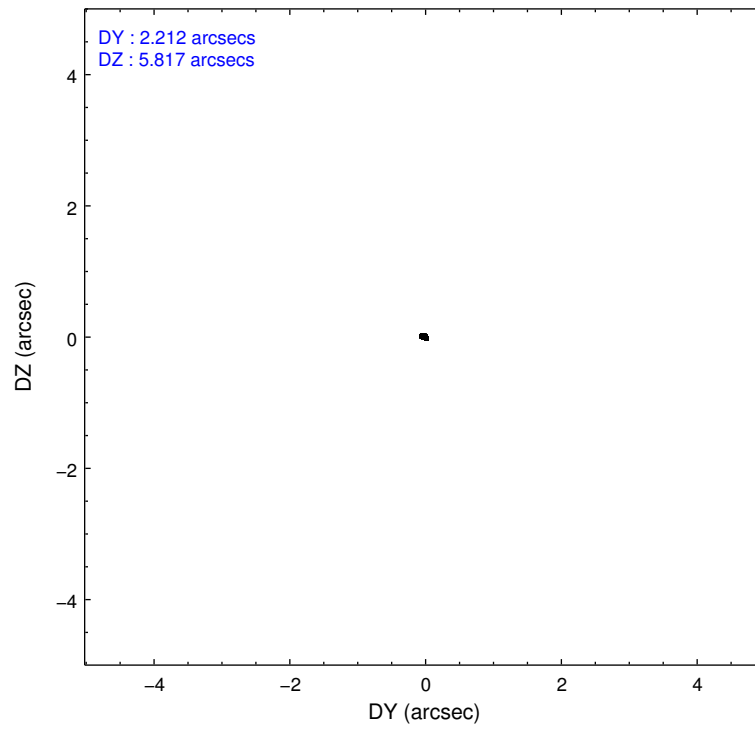
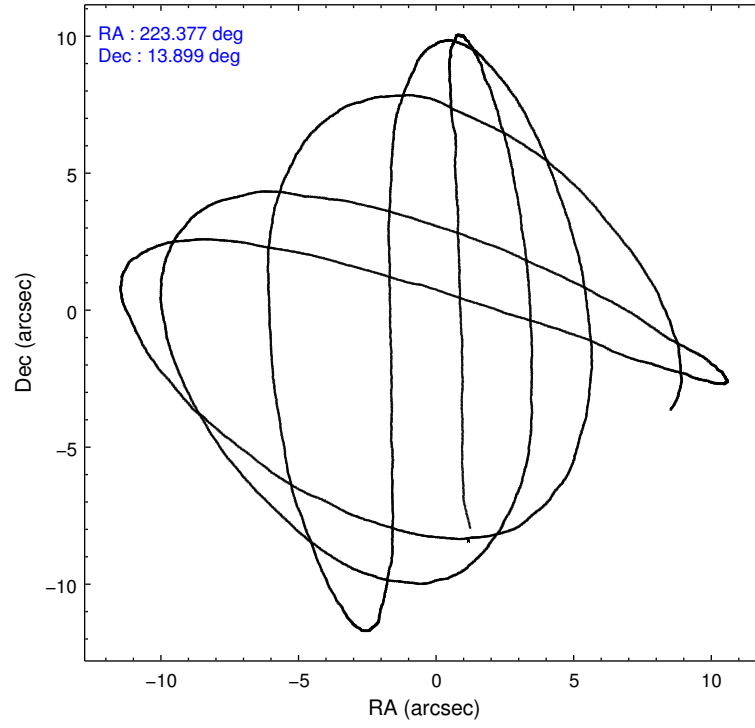
	ccd 3
level 1 events	7237
rejected events	6494
rejected %	89%

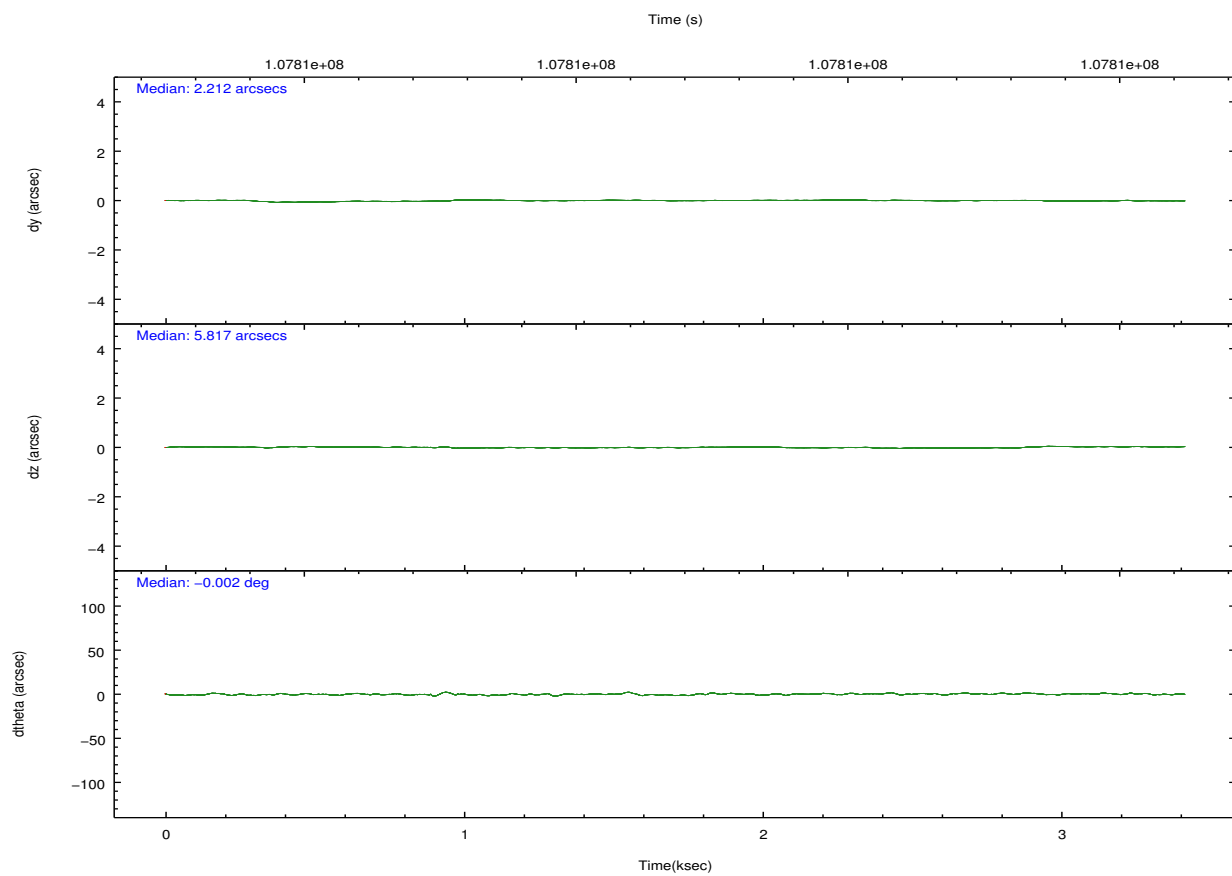
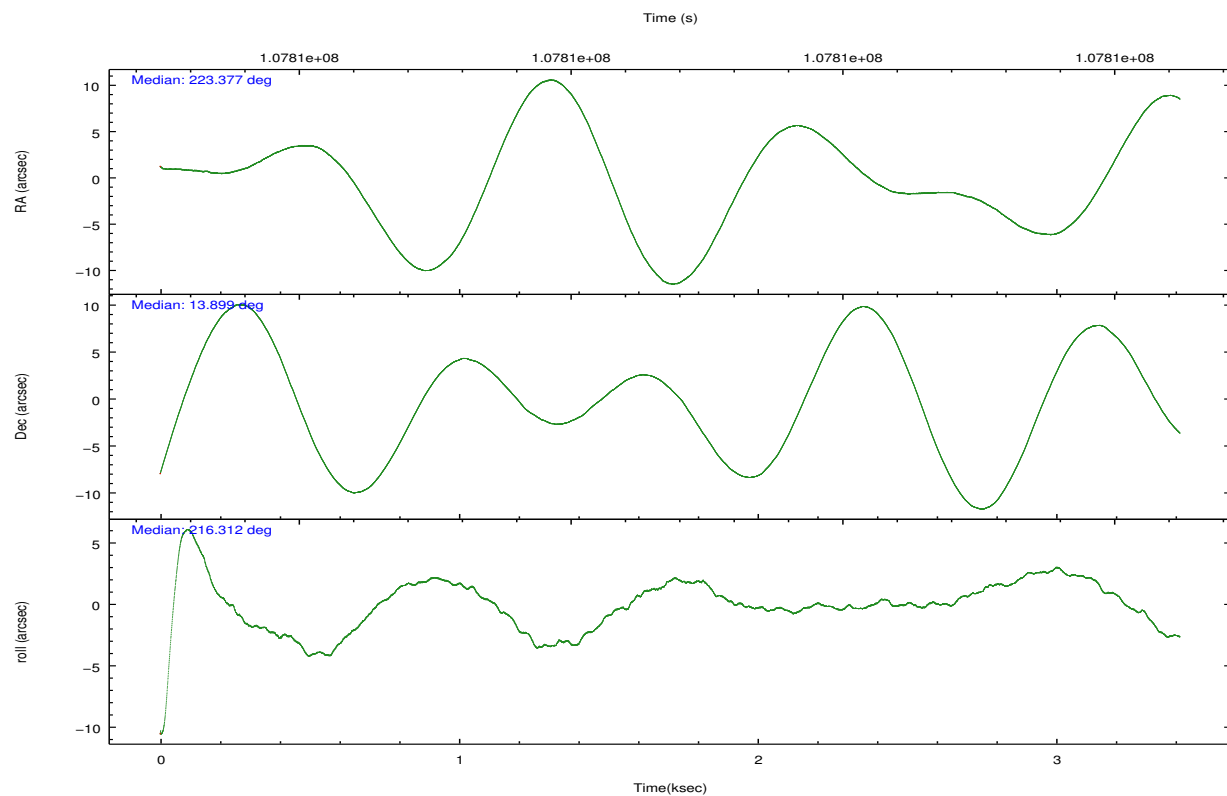
	ccd 3
grade 0 events	287
	3%
grade 1 events	1
	0%
grade 2 events	102
	1%
grade 3 events	106
	1%
grade 4 events	108
	1%
grade 5 events	193
	2%
grade 6 events	140
	1%
grade 7 events	6300
	87%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	223.387829	223.3766128442662	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	13.923684	13.89869133314097	Subarray start row	769	769
[deg] Pointing Roll	216.103532	216.3148517108546	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	107810567.184000	107809247.53328			
Observation start date	2001-06-01T19:21:43	2001-06-01T19:00:47			
[s] Observation end time (MET)	107813067.184000	107814079.38347			
Observation end date	2001-06-01T20:03:23	2001-06-01T20:21:19			
Read mode	TIMED	TIMED			

2.3 Aspect



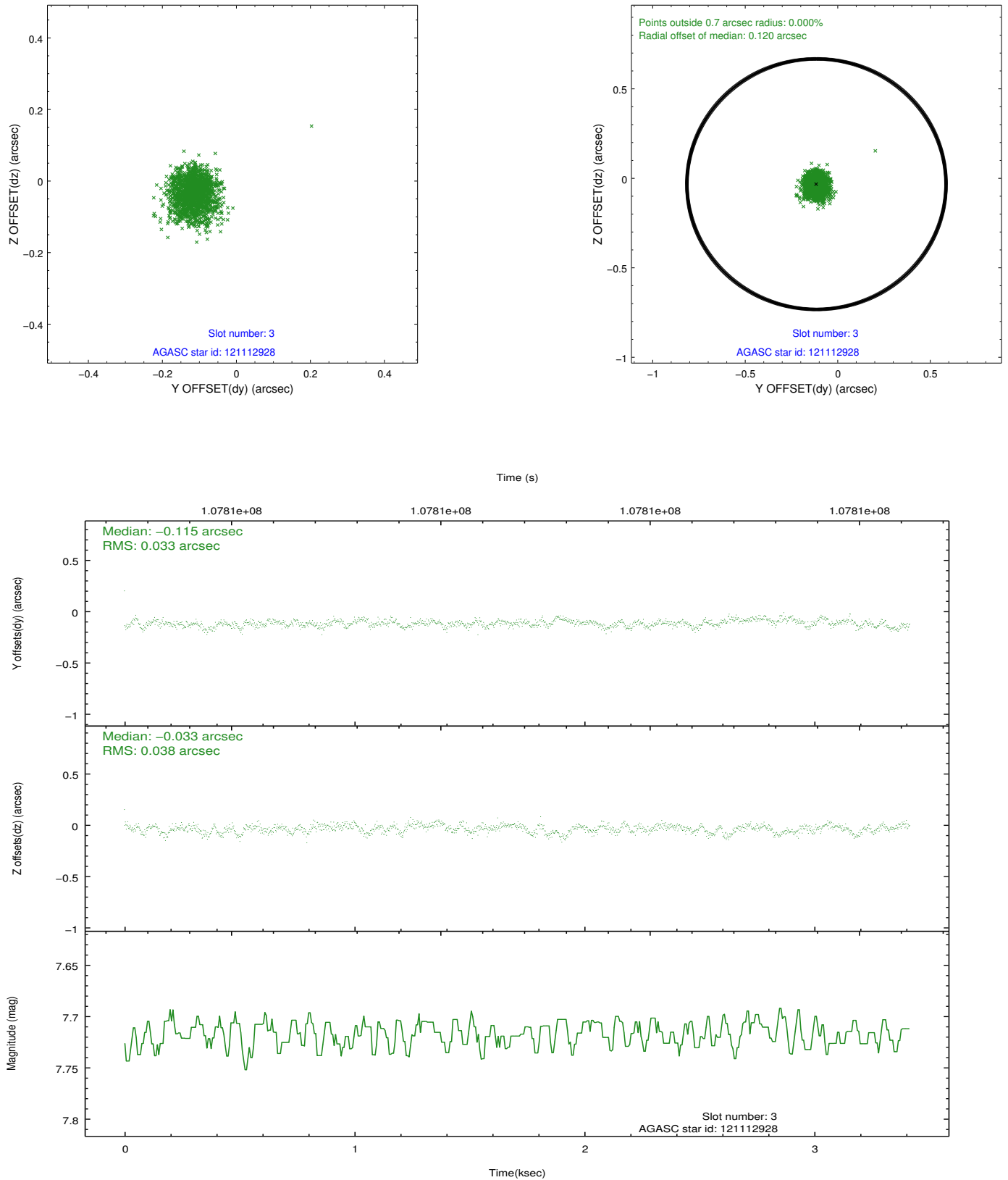


Slot Statistics

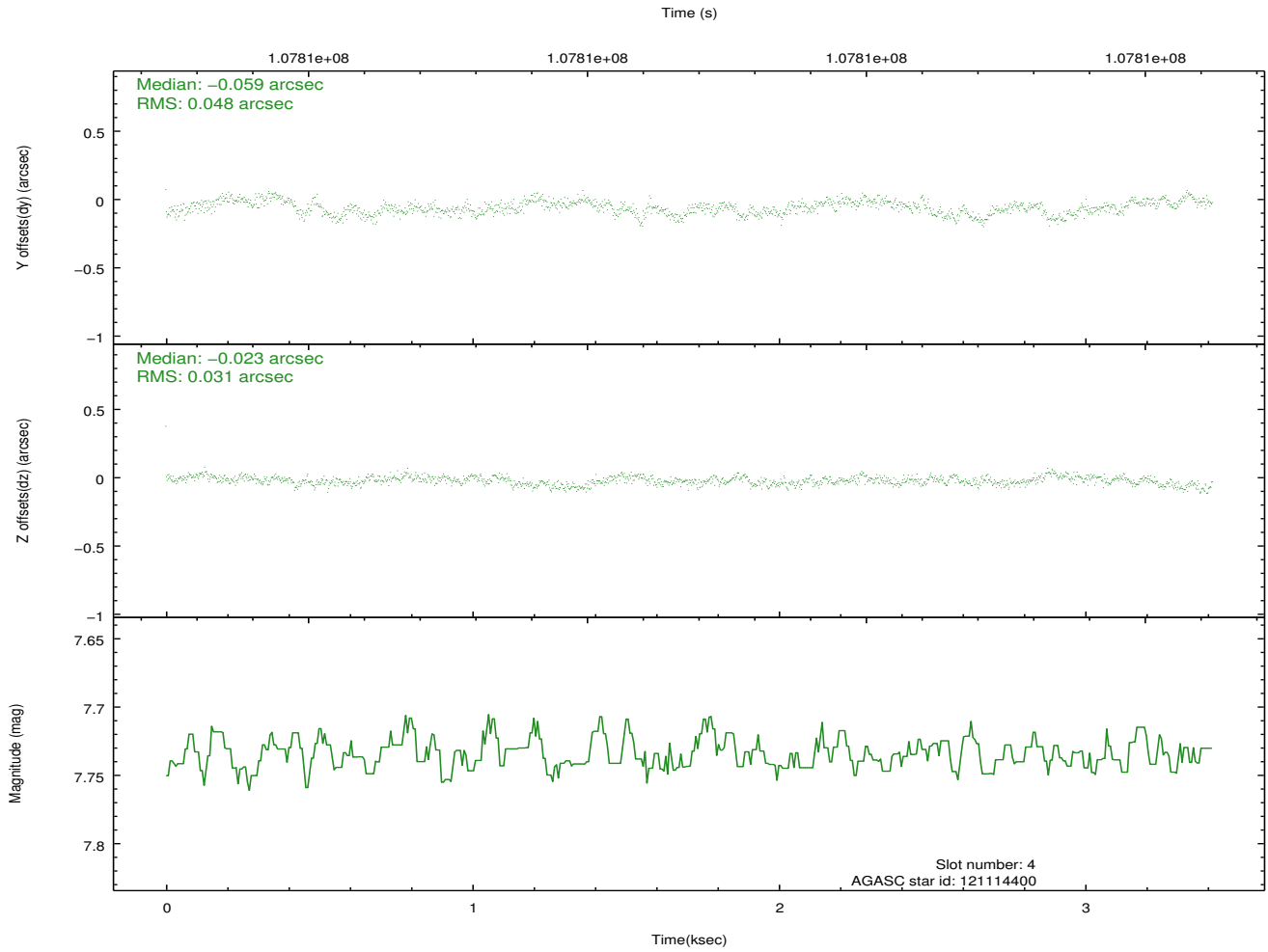
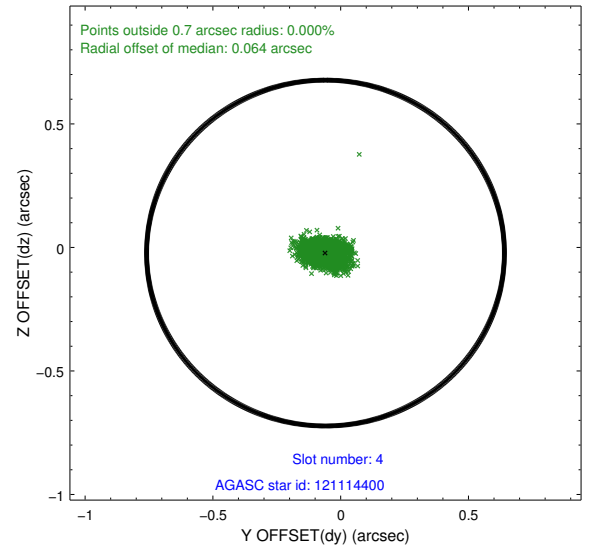
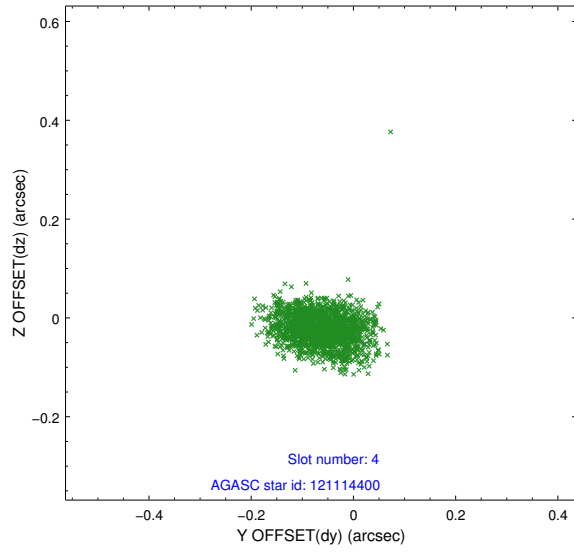
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	834	-0.030	-0.053	0.012	0.021	0.000000	0.000000	-756.59	-835.60
1	FID	ACIS-I-4	7.18	834	-0.022	0.039	0.012	0.022	0.000000	0.000000	2156.63	1069.76
2	FID	ACIS-I-5	7.23	834	-0.050	0.082	0.011	0.017	0.000000	0.000000	-1808.06	1069.73
3	GUIDE	121112928	7.72	1667	-0.115	-0.033	0.053	0.086	223.069811	14.491275	-306.93	-2304.57
4	GUIDE	121114400	7.73	1667	-0.059	-0.023	0.060	0.101	222.885358	13.477561	2368.32	258.58
5	GUIDE	121113392	8.86	1666	0.121	0.108	0.068	0.111	222.842707	13.692888	2032.27	-453.42
6	GUIDE	121119856	9.15	1666	0.042	0.001	0.069	0.113	223.187249	13.961512	489.04	-523.12
7	GUIDE	121120928	9.70	1665	0.017	-0.051	0.094	0.156	223.157370	14.079299	322.13	-927.24

2.4 Star Slots

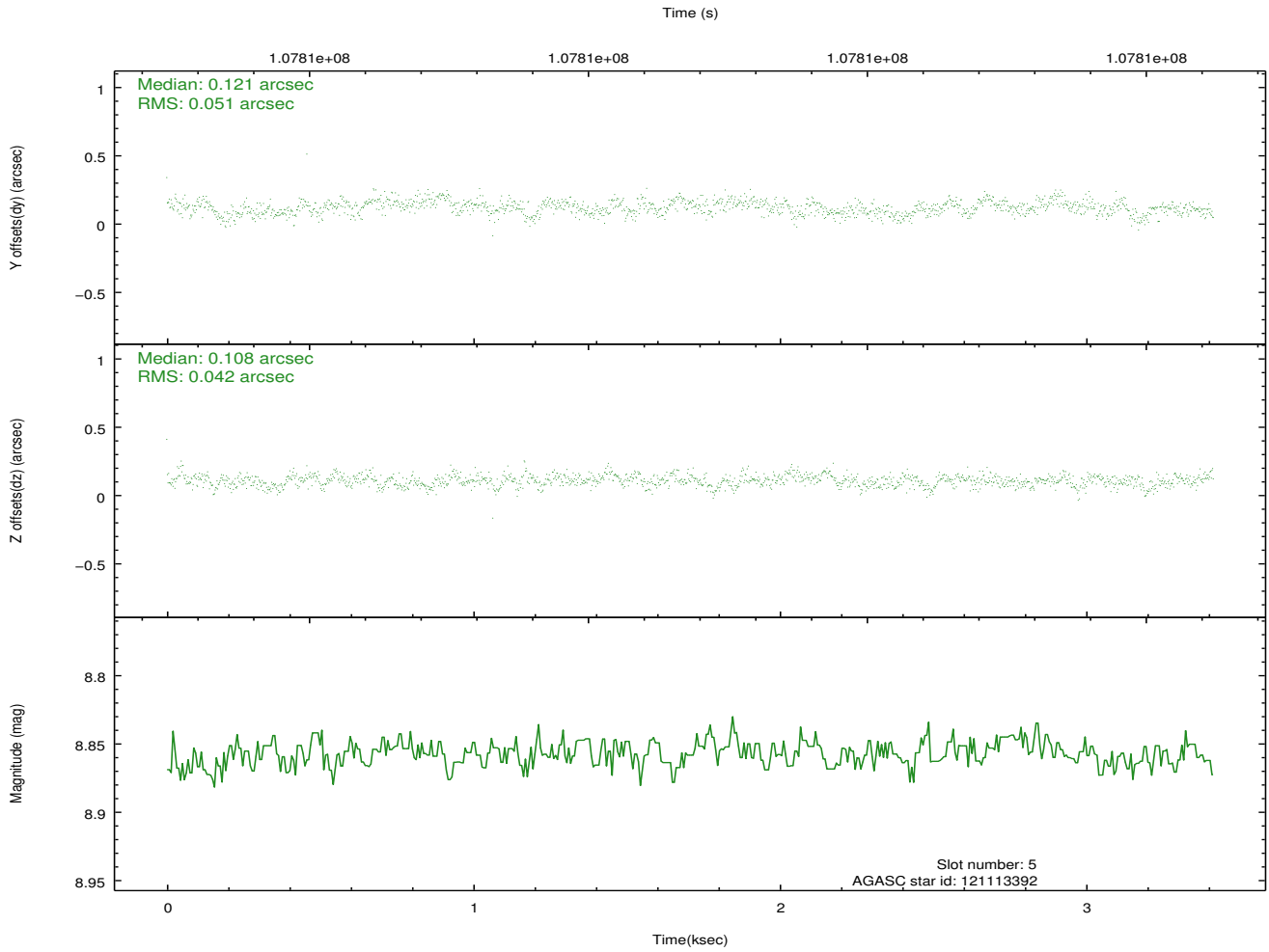
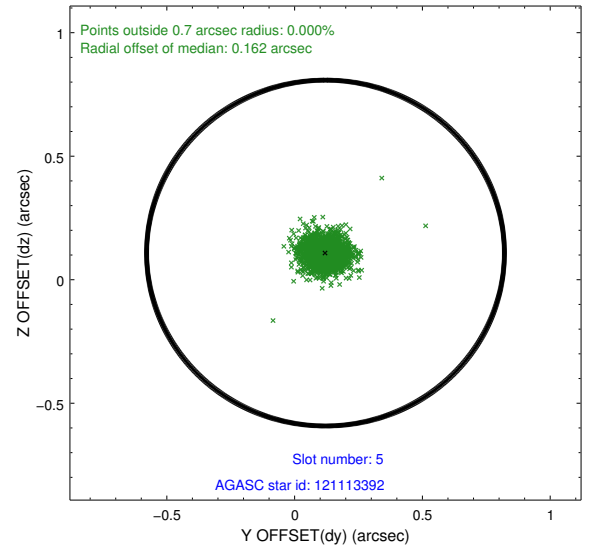
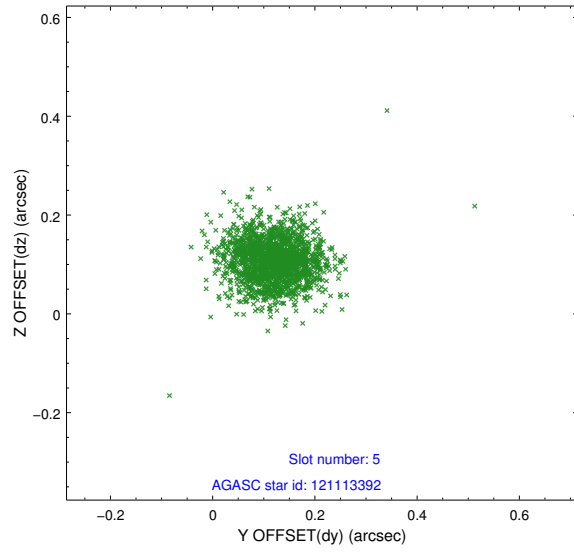
2.4.1 Slot 3



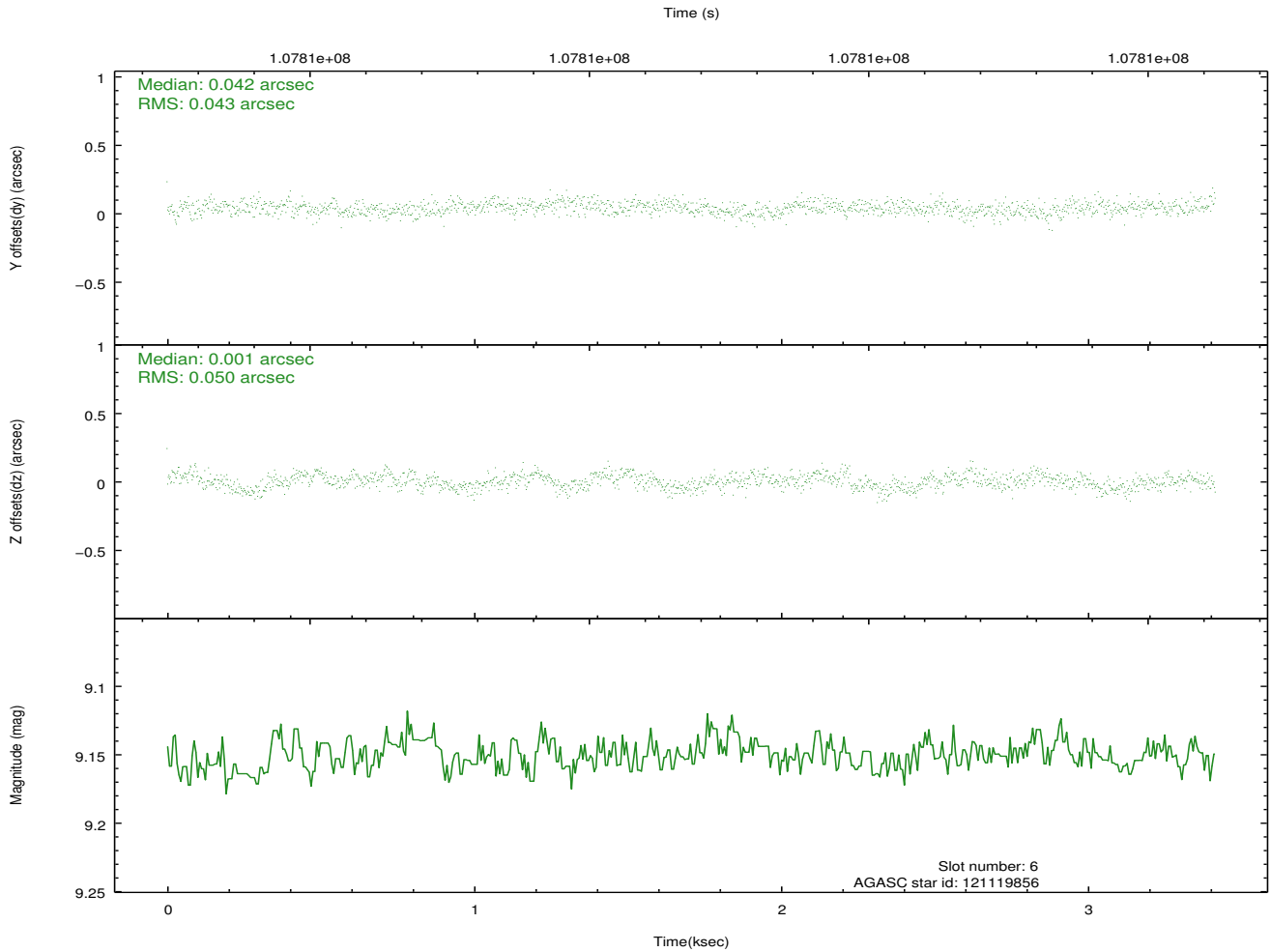
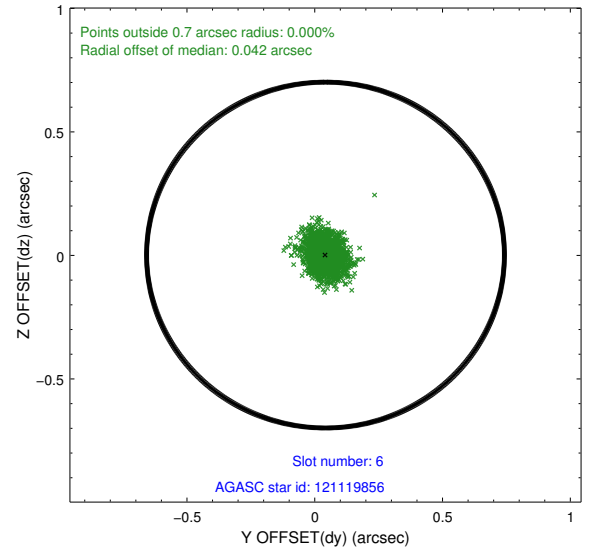
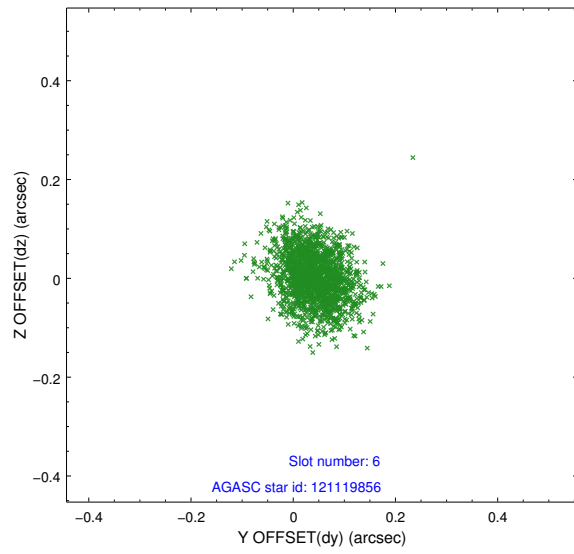
2.4.2 Slot 4



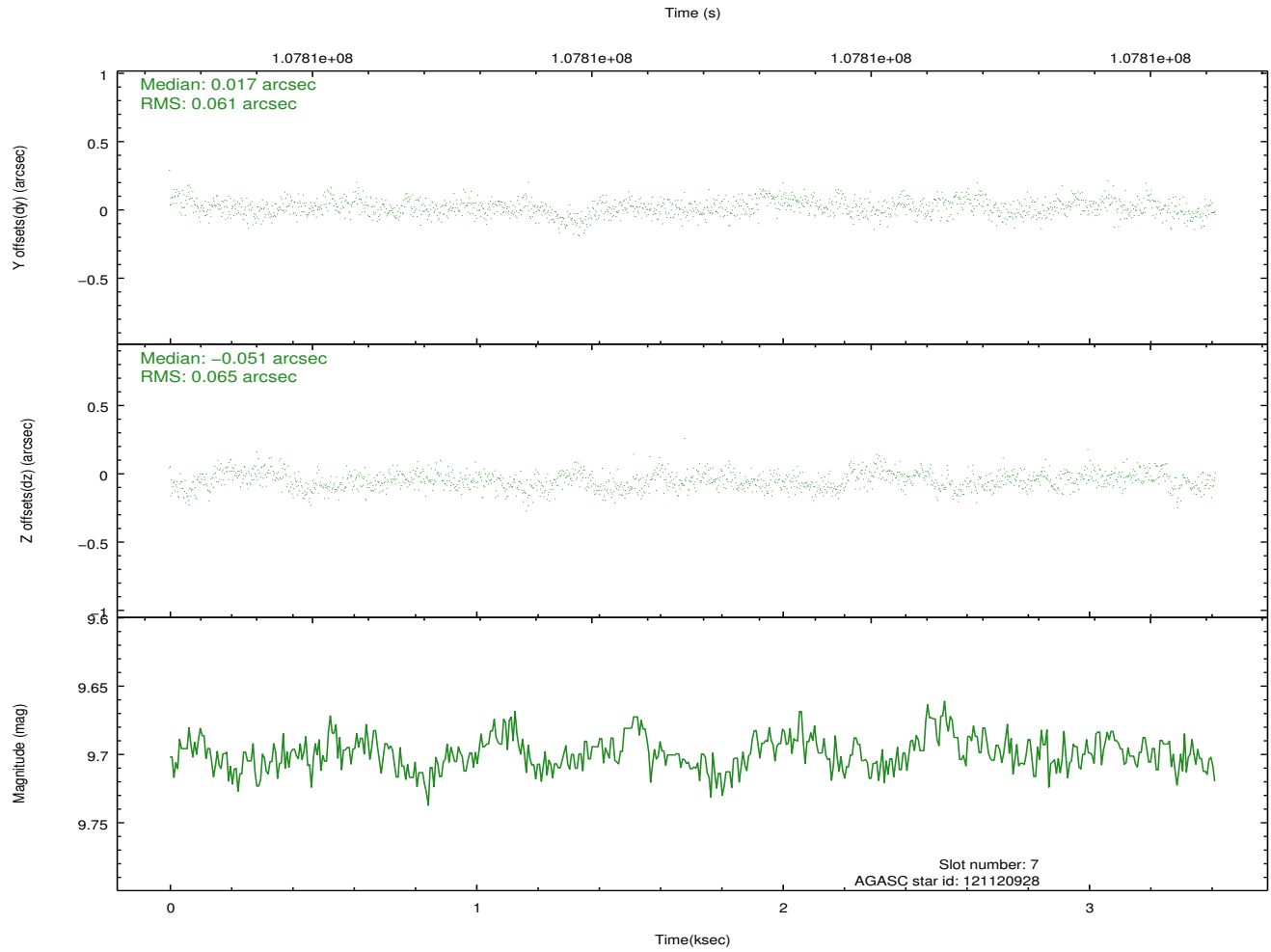
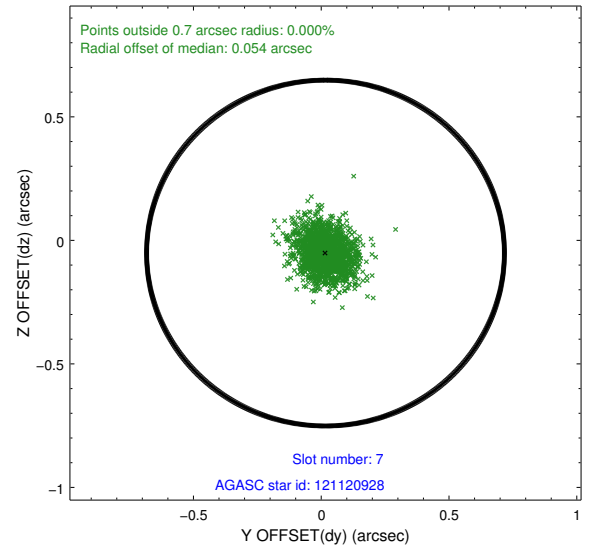
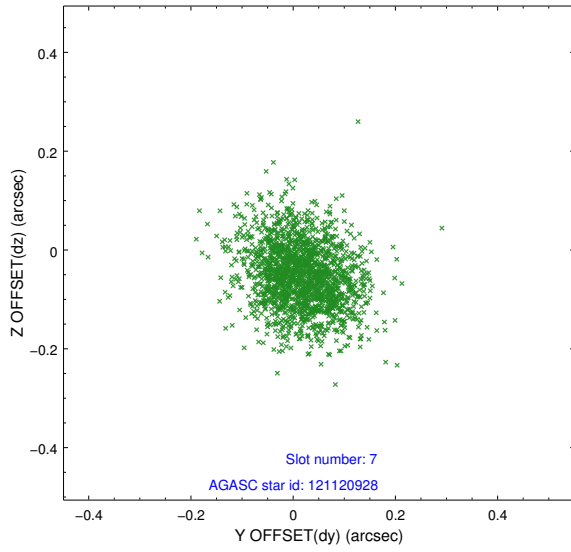
2.4.3 Slot 5



2.4.4 Slot 6

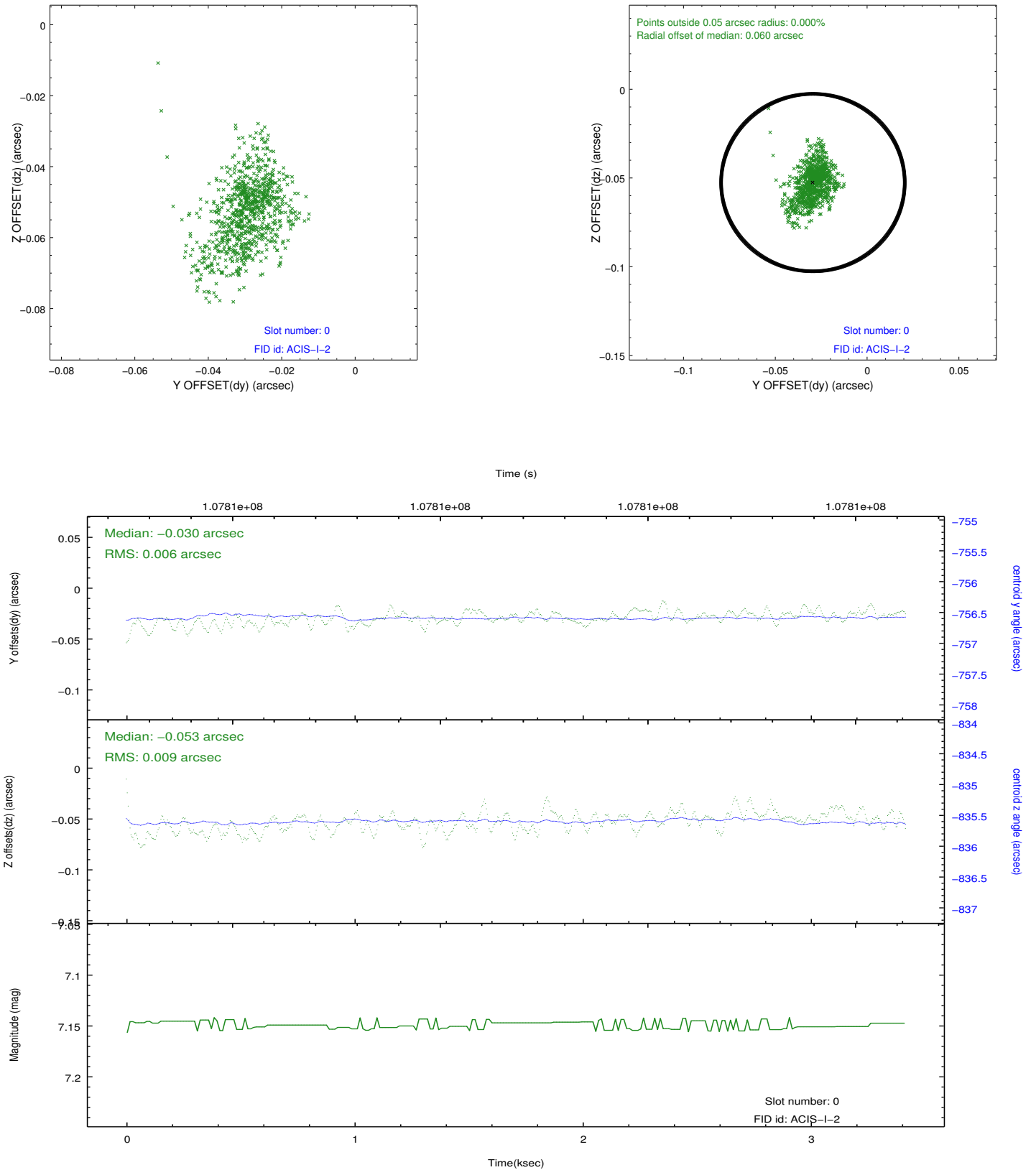


2.4.5 Slot 7

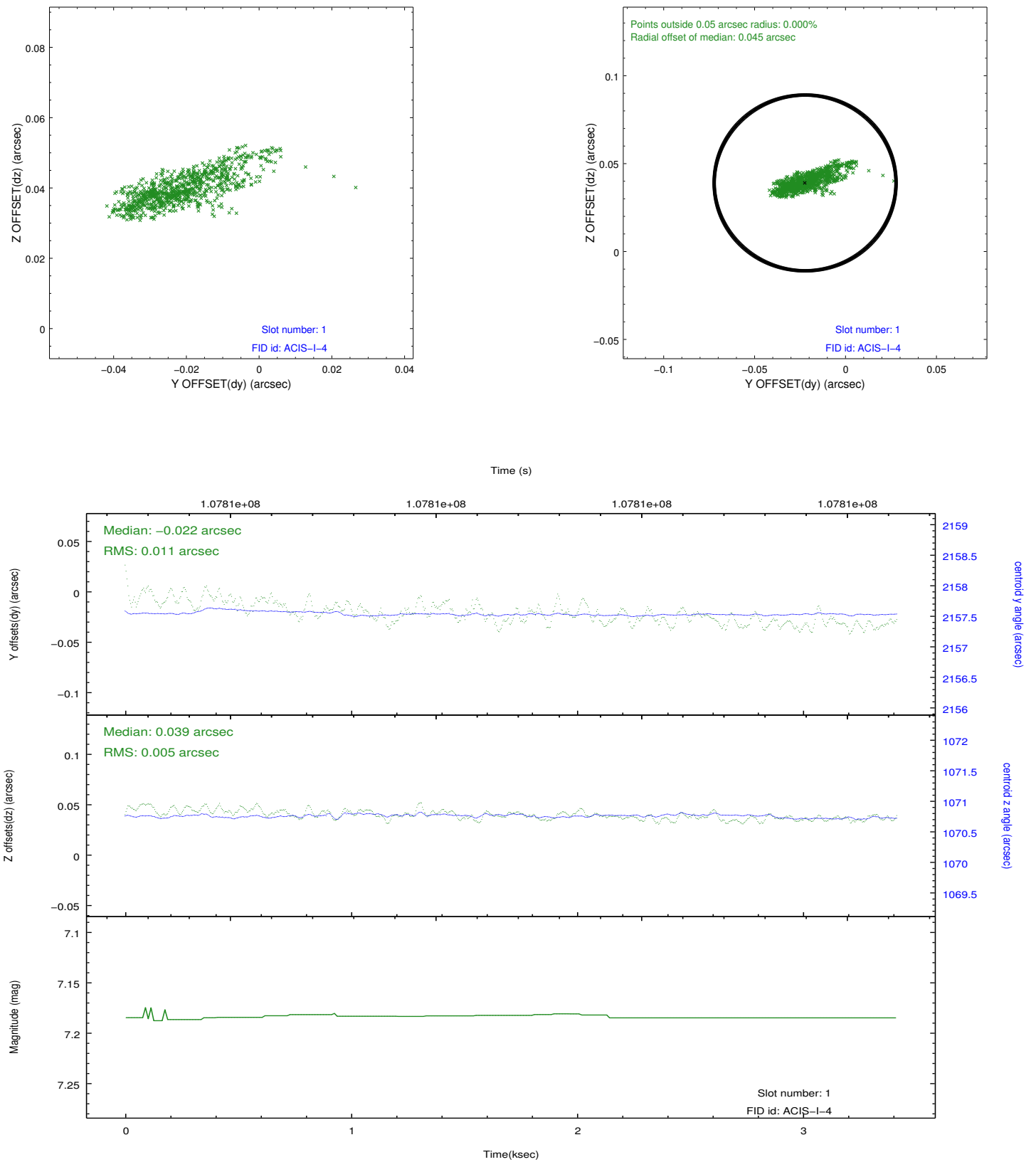


2.5 FID Slots

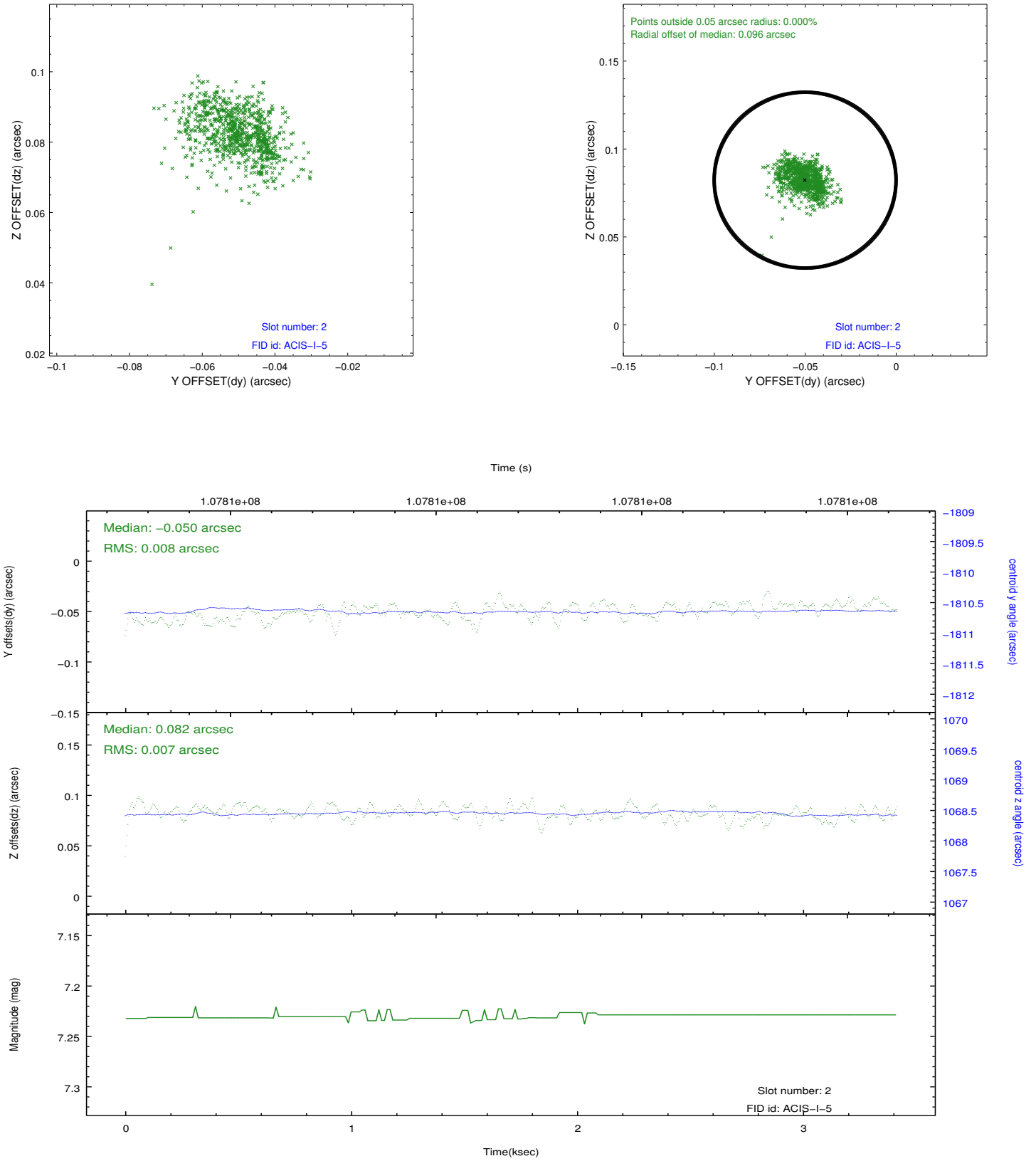
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.317

A.2 Comments