

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2163 - L2 Version 3
Chandra X-Ray Center

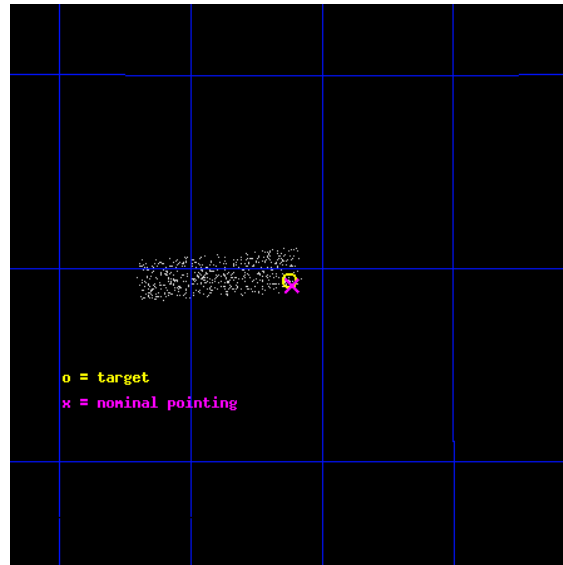
L2 Processing Date : Sep 21 2012

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

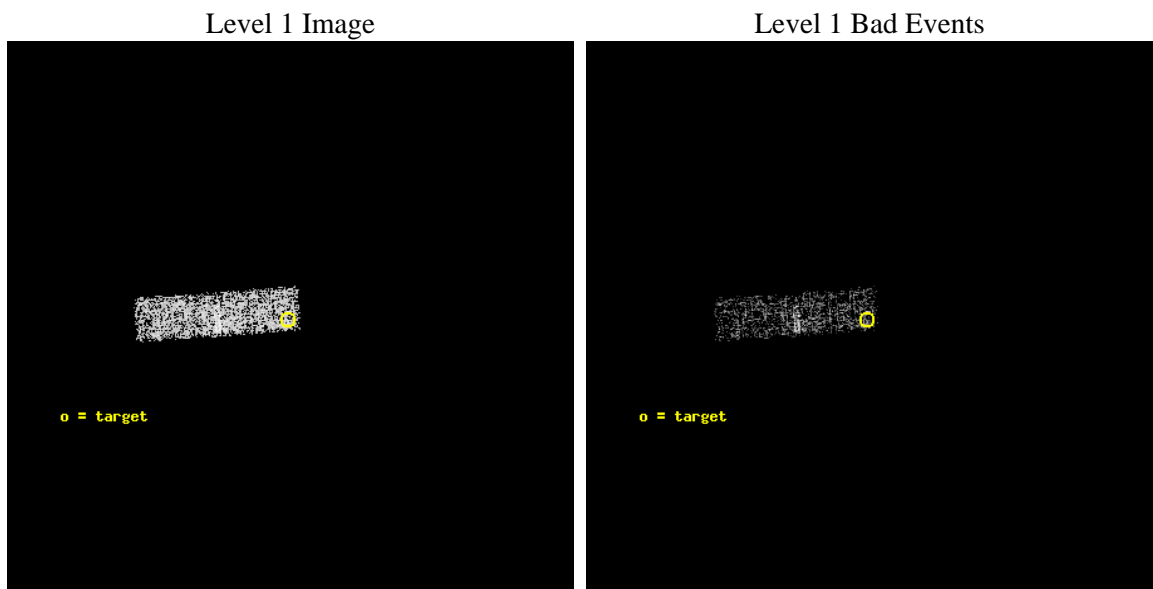
seq_num	700353	Sequence number
obs_id	2163	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ125807+2329	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.53125	Observer's specified target RA [deg]
dec_targ	23.489306	Observer's specified target Dec [deg]
ra_nom	194.52875085655	Nominal RA [deg]
dec_nom	23.485208435928	Nominal Dec [deg]
roll_nom	265.8055369231	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3300.7589776367	Sum of GTIs [s]
livetime	3139.6927400711	Livetime [s]
ontime3	3300.7589776367	Sum of GTIs [s]
l2events	606	Number of level 2 events



2 OBI

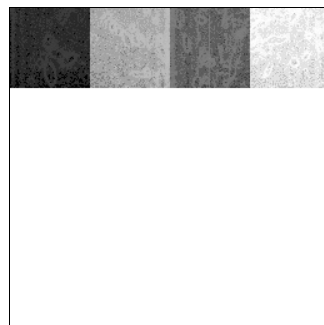
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	3100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3300.7589776367	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	3300.7589776367	Sum of GTIs [s]
date	2012-09-21T09:20:11	Date and time of file creation	l1events	9215	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

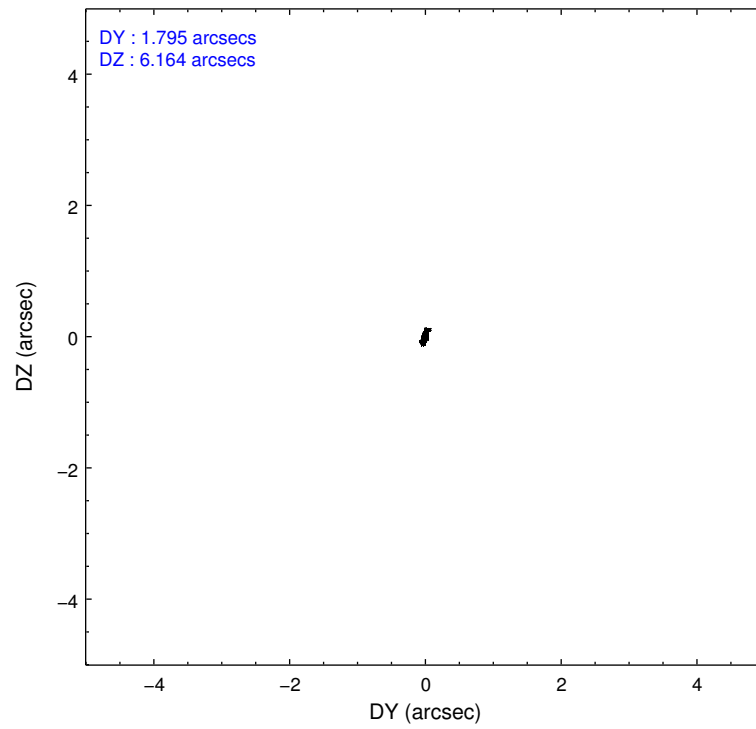
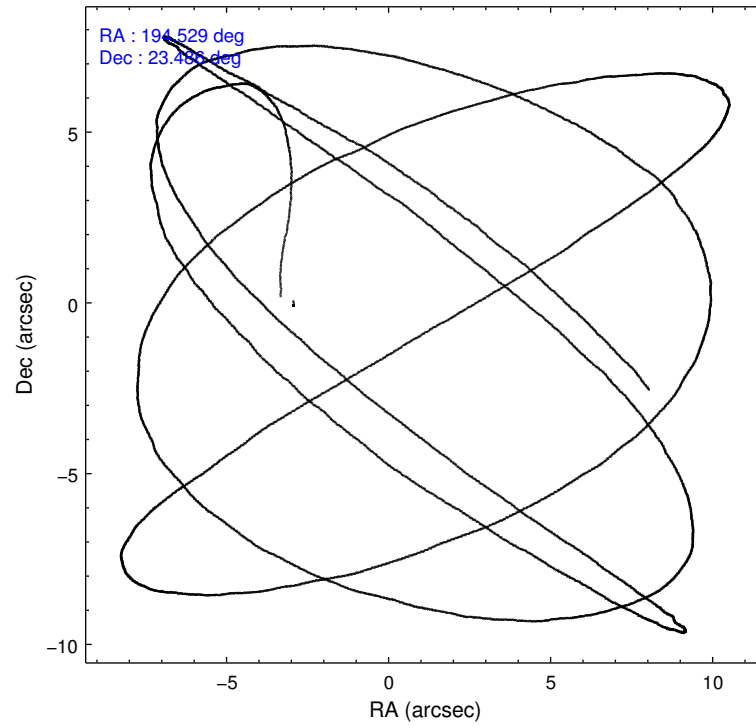
	ccd 3
level 1 events	9215
rejected events	8459
rejected %	91%

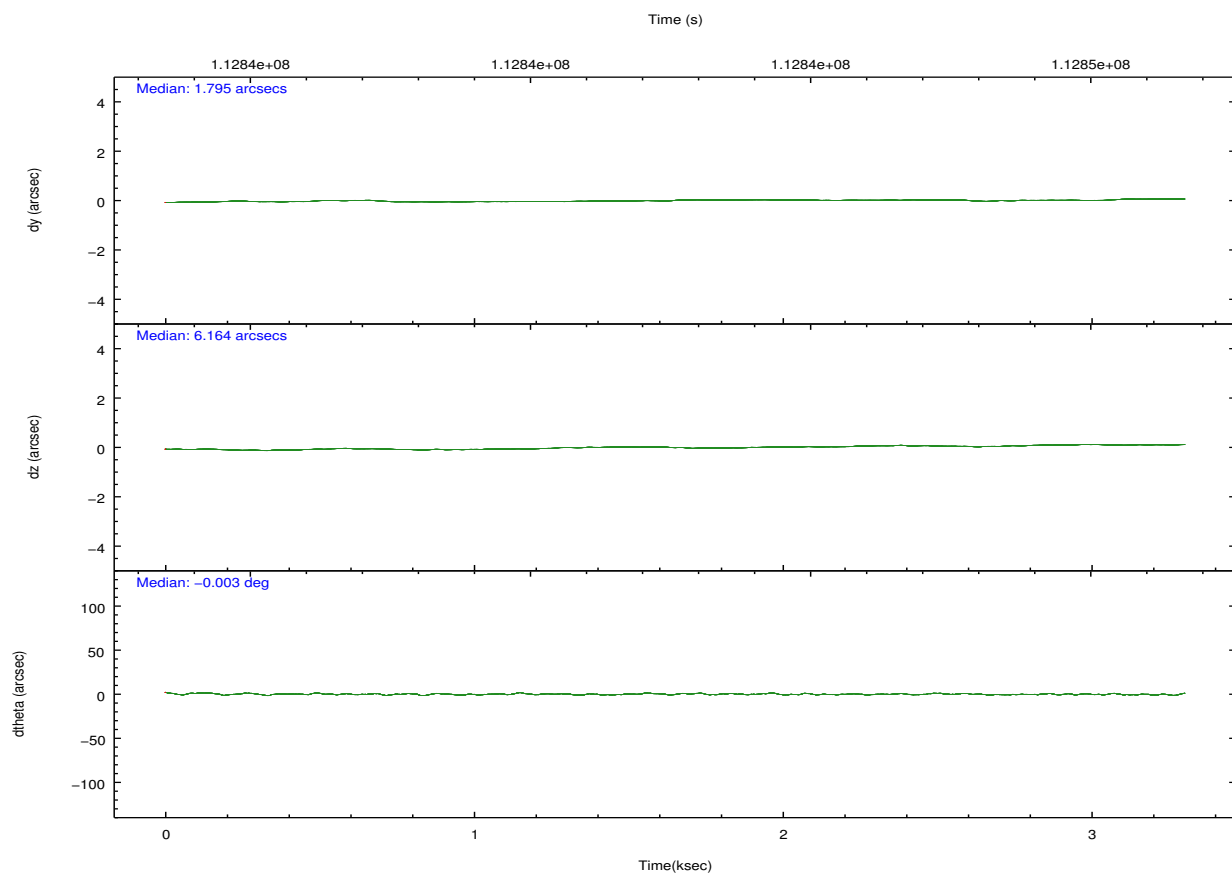
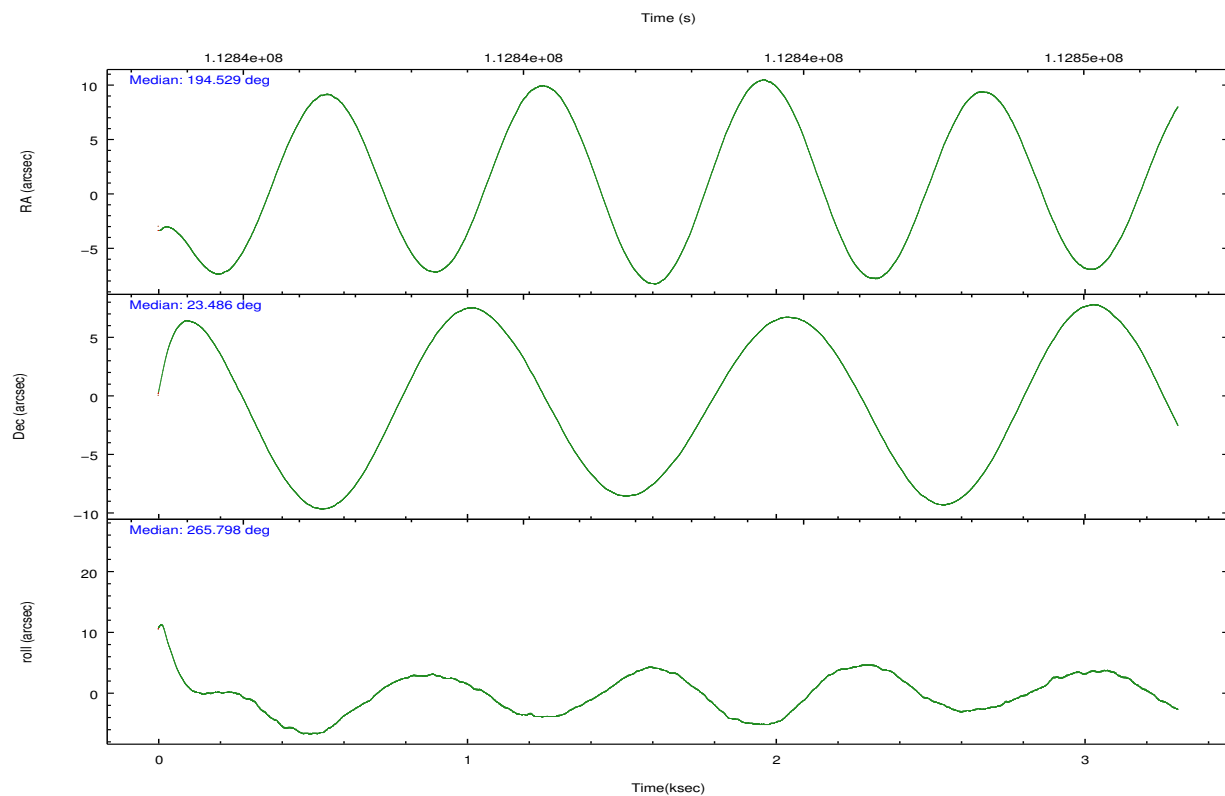
	ccd 3
grade 0 events	330
	3%
grade 1 events	0
	0%
grade 2 events	138
	1%
grade 3 events	174
	1%
grade 4 events	164
	1%
grade 5 events	254
	2%
grade 6 events	137
	1%
grade 7 events	8018
	87%

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	194.515833	194.5287508565537	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	23.509780	23.48520843592759	Subarray start row	769	769
[deg] Pointing Roll	265.601958	265.8055369230968	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)	112843065.184000	112842047.44242			
Observation start date	2001-07-30T01:16:41	2001-07-30T01:00:47			
[s] Observation end time (MET)	112846165.184000	112846502.60509			
Observation end date	2001-07-30T02:08:21	2001-07-30T02:15:02			
Read mode	TIMED	TIMED			

2.3 Aspect



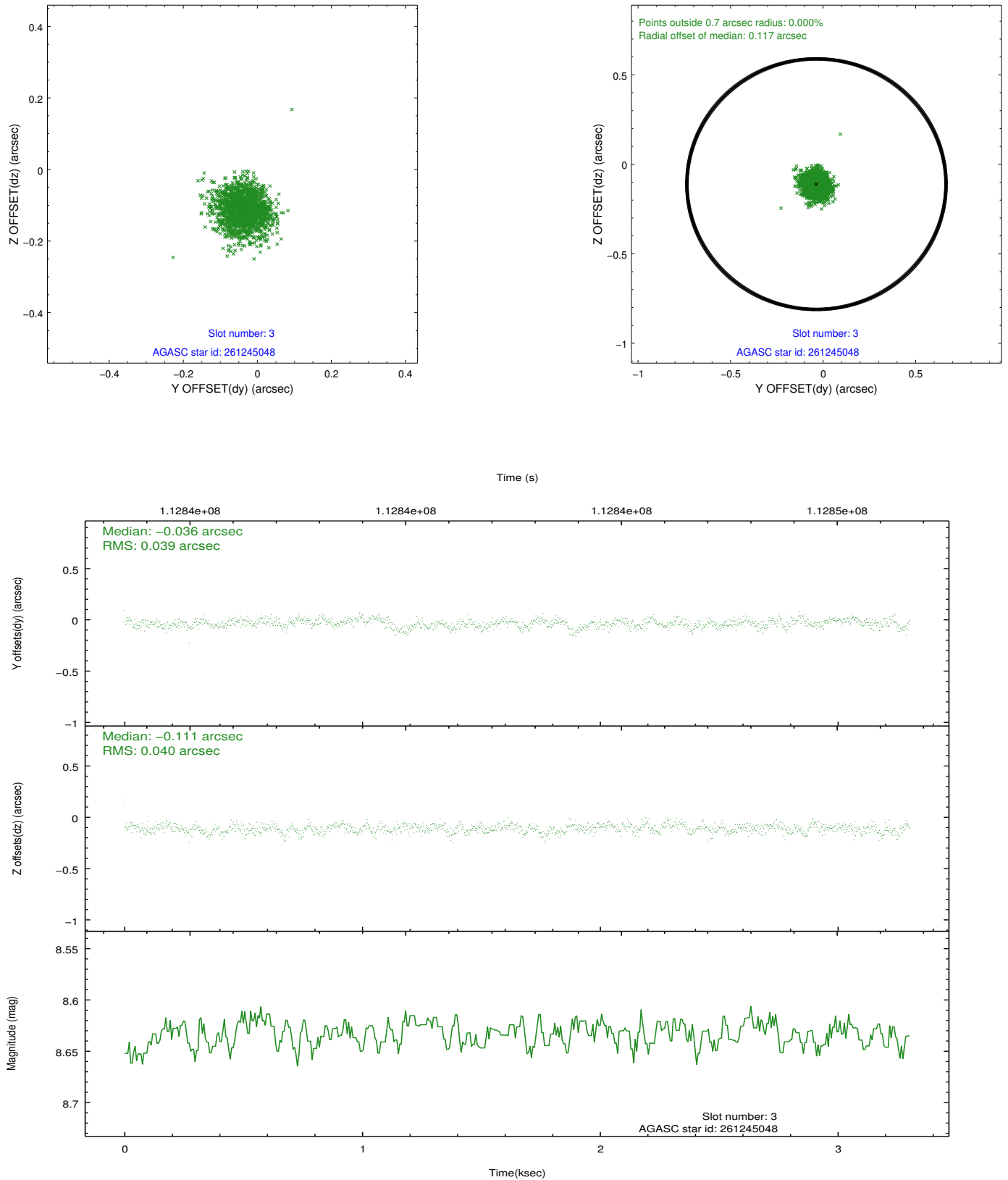


Slot Statistics

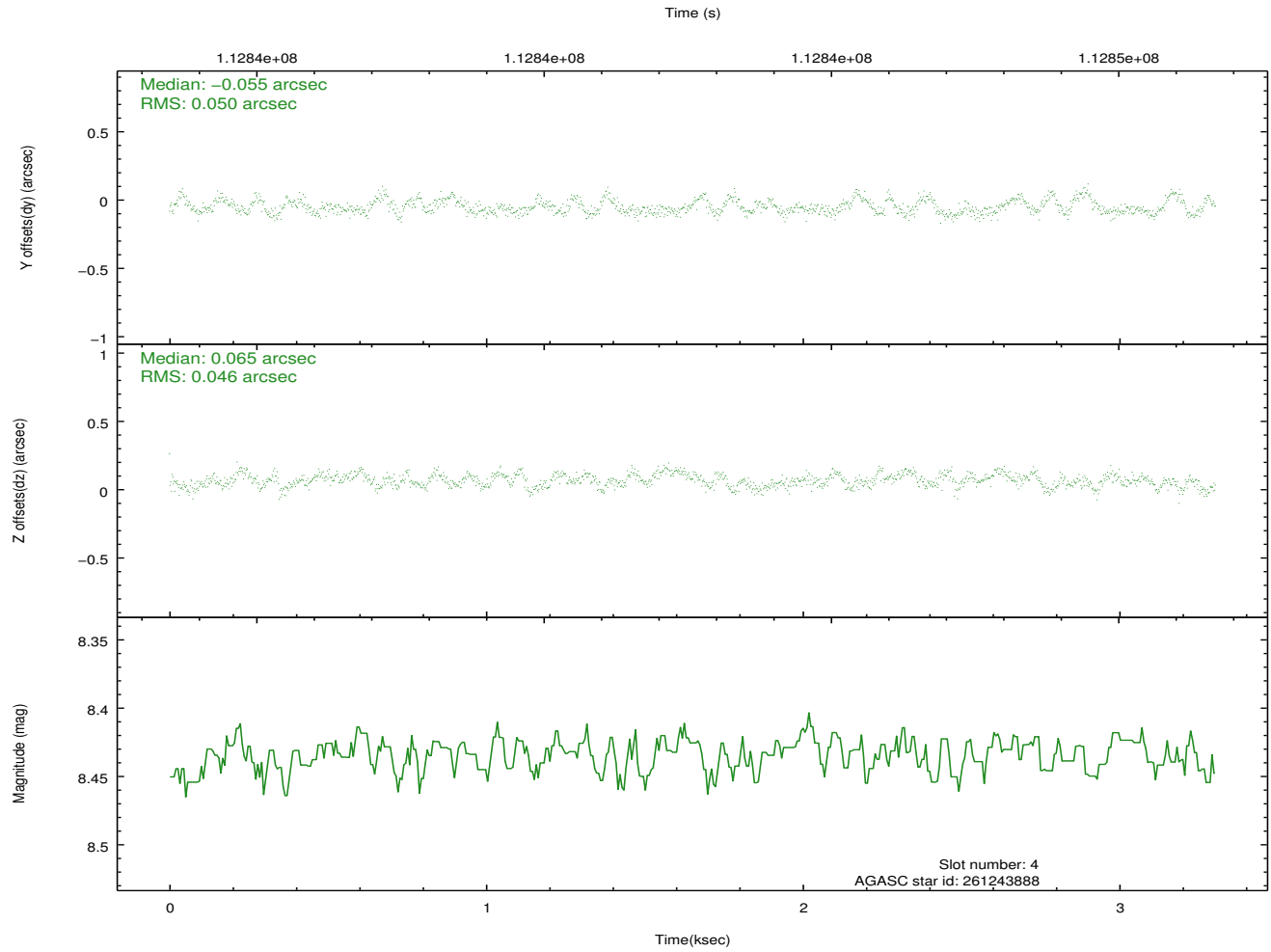
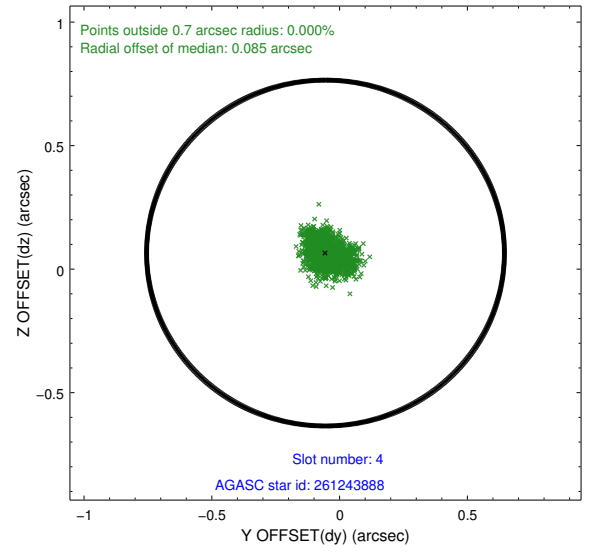
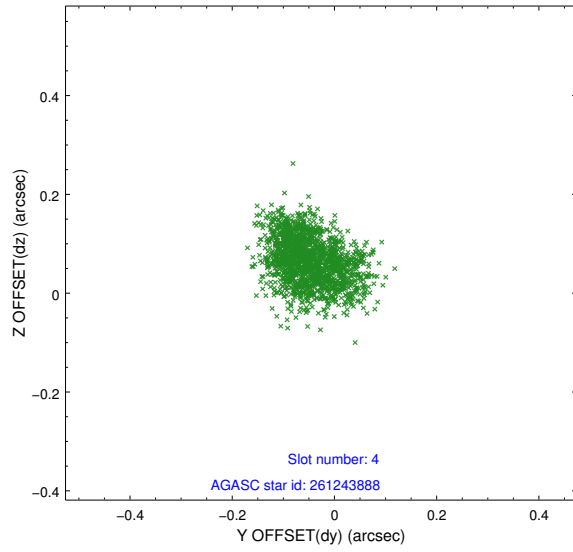
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	806	-0.040	-0.075	0.009	0.016	0.000000	0.000000	-756.17	-835.98
1	FID	ACIS-I-4	7.18	806	-0.010	0.051	0.006	0.010	0.000000	0.000000	2157.04	1069.38
2	FID	ACIS-I-5	7.23	806	-0.051	0.093	0.009	0.015	0.000000	0.000000	-1807.54	1069.43
3	GUIDE	261245048	8.63	1612	-0.036	-0.111	0.059	0.096	194.015631	23.574141	-105.84	-1664.27
4	GUIDE	261243888	8.43	1612	-0.055	0.065	0.071	0.116	195.146571	23.651749	-672.75	2032.64
5	GUIDE	261248080	9.83	1612	0.080	0.105	0.113	0.183	194.991498	23.164395	1117.15	1665.85
6	GUIDE	261247520	9.55	1610	-0.144	0.019	0.111	0.186	195.028104	23.710956	-852.98	1628.16
7	GUIDE	261247584	9.68	1611	0.147	-0.082	0.109	0.175	194.489363	22.843643	2398.66	97.08

2.4 Star Slots

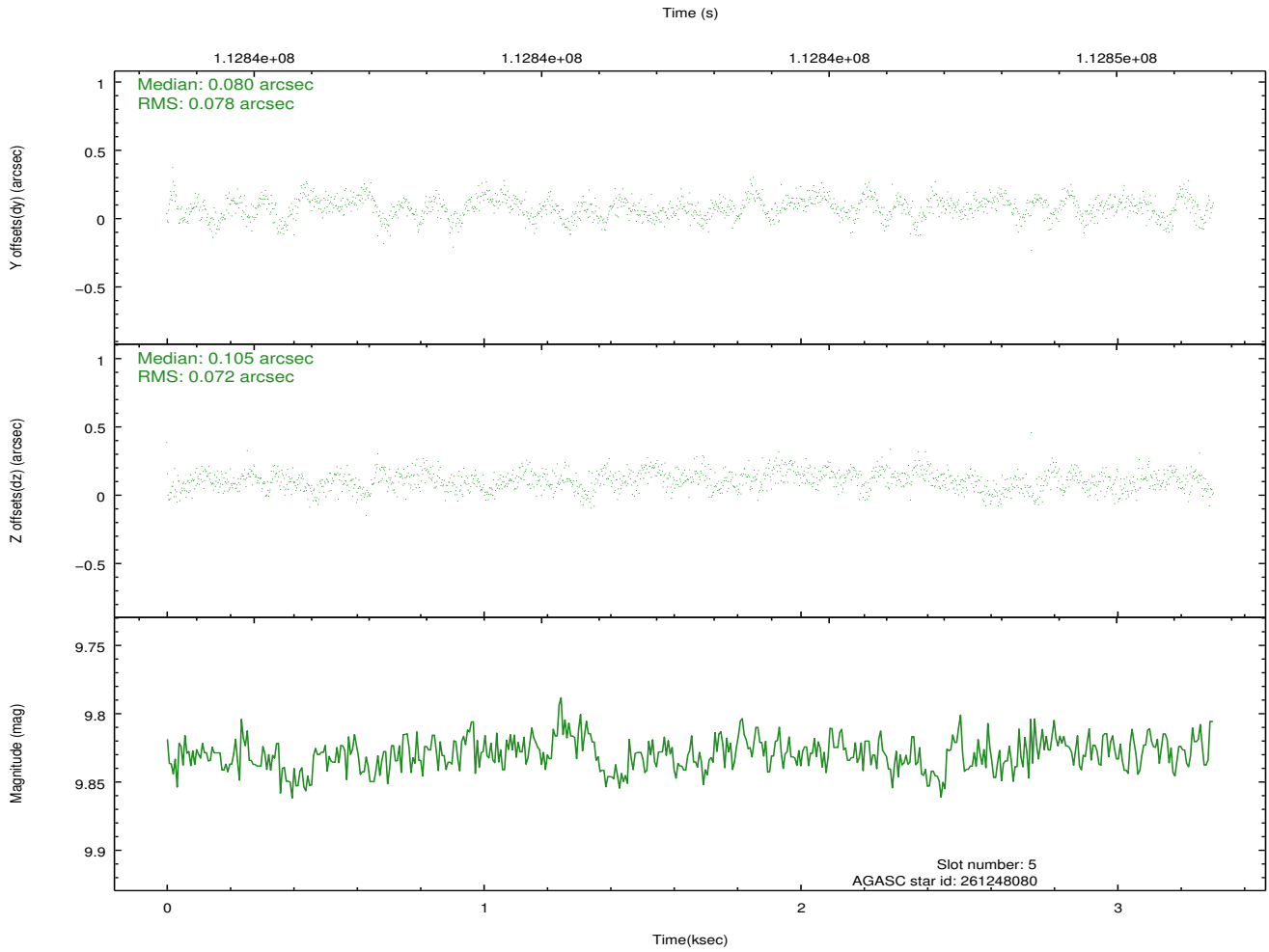
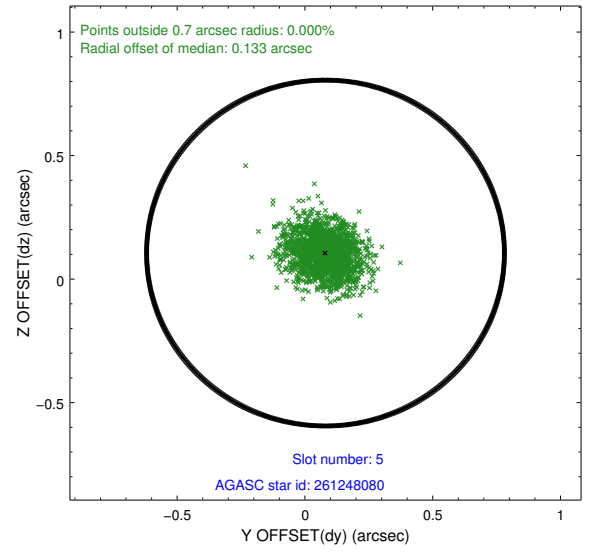
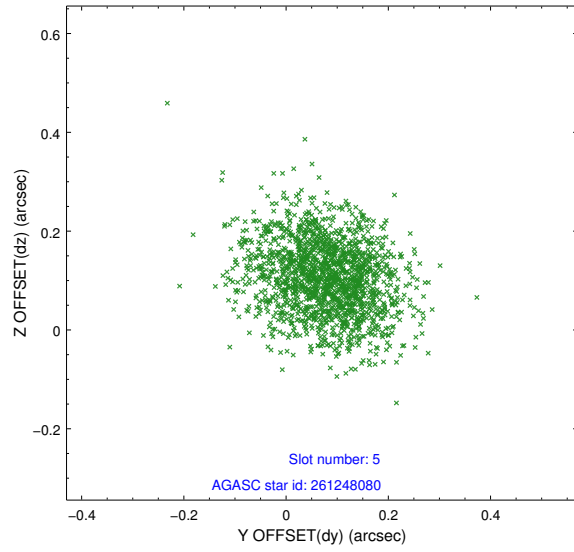
2.4.1 Slot 3



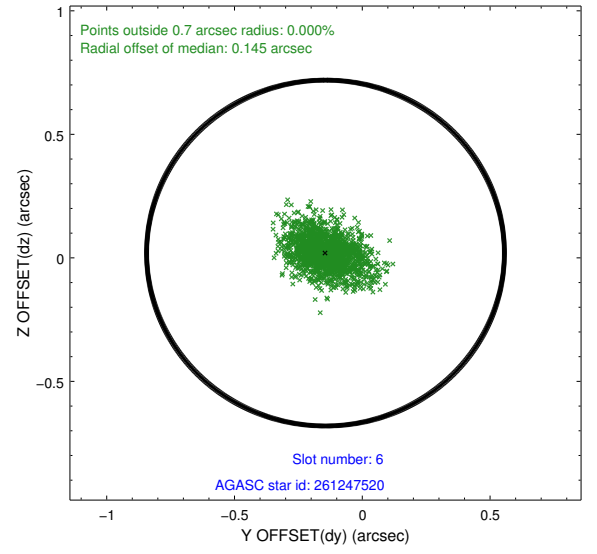
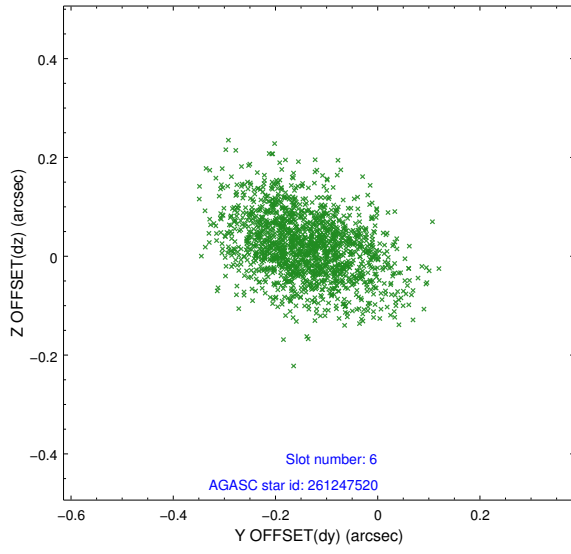
2.4.2 Slot 4



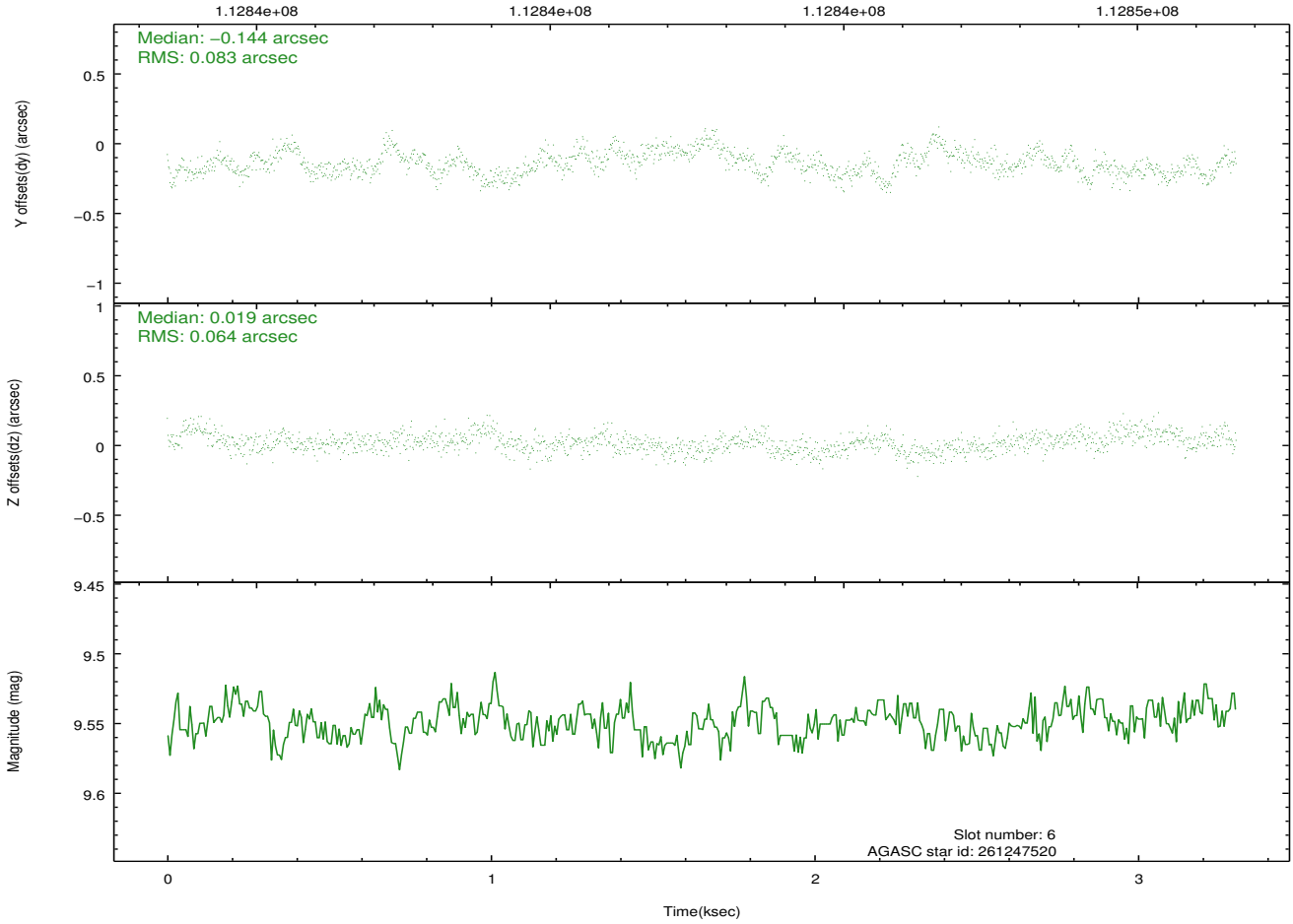
2.4.3 Slot 5



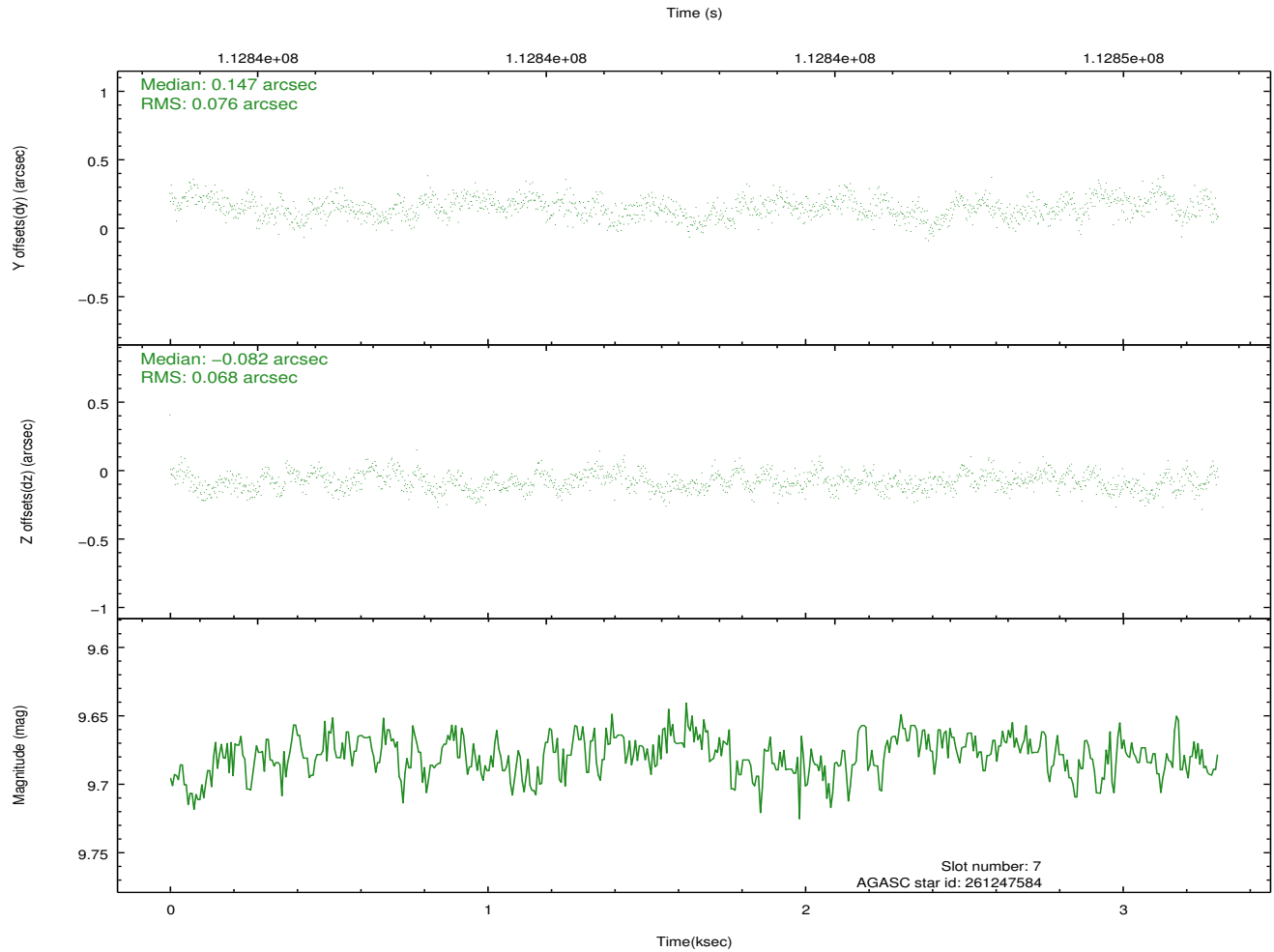
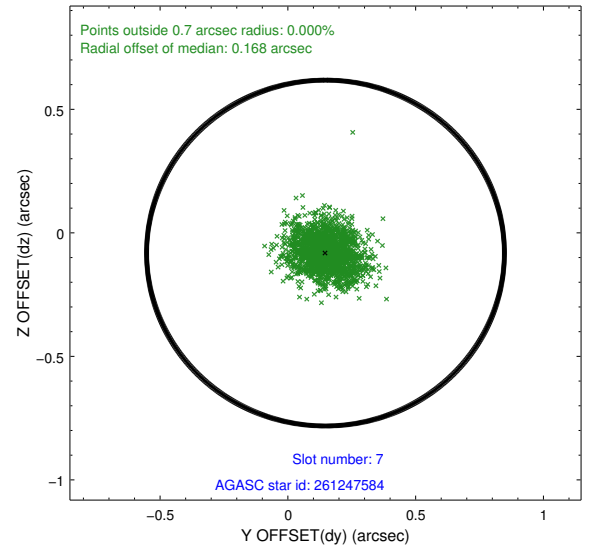
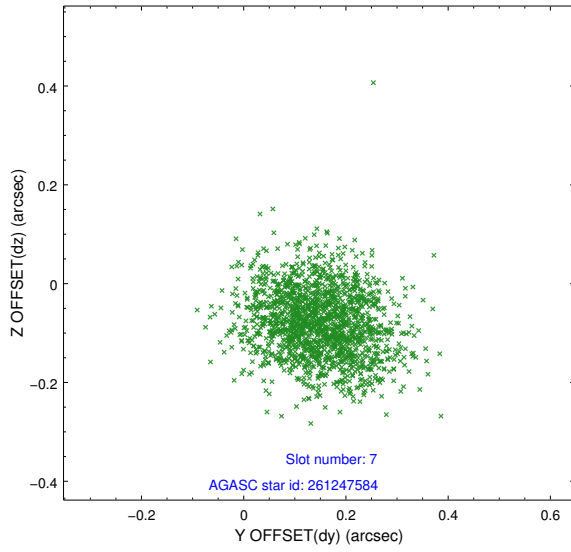
2.4.4 Slot 6



Time (s)

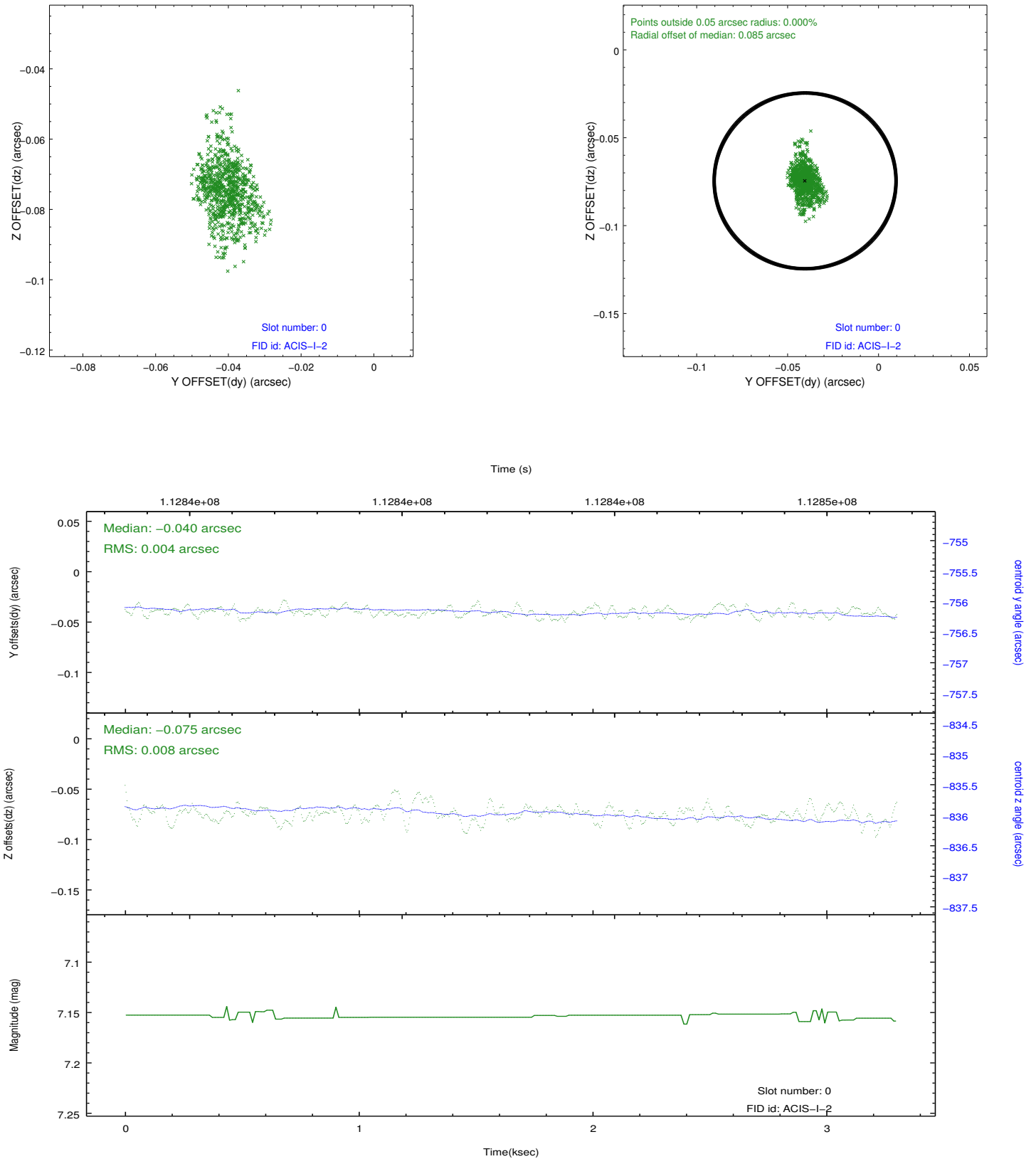


2.4.5 Slot 7

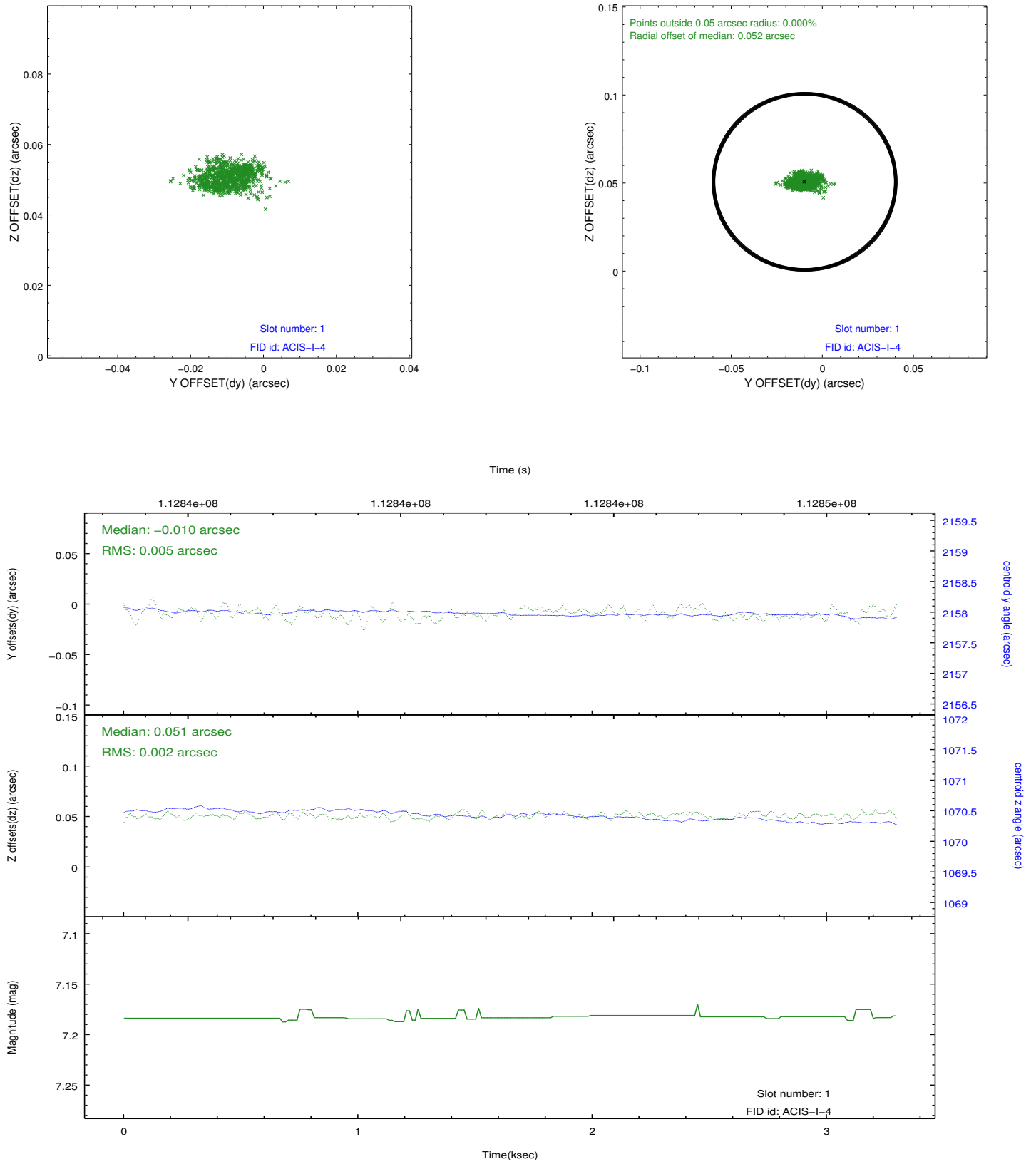


2.5 FID Slots

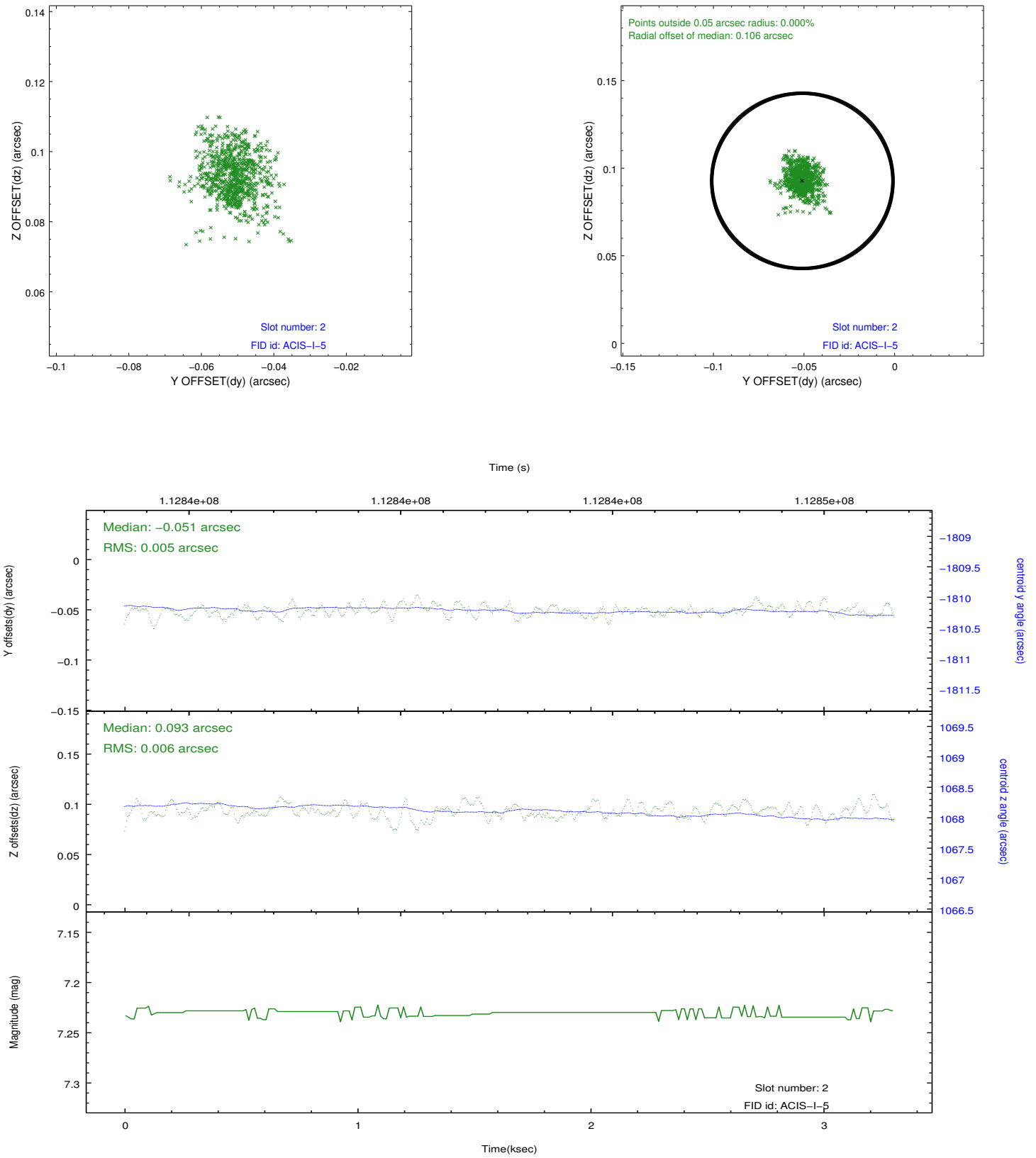
2.5.1 Slot 0



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)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.3

A.2 Comments