

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4262 - L2 Version 3
Chandra X-Ray Center

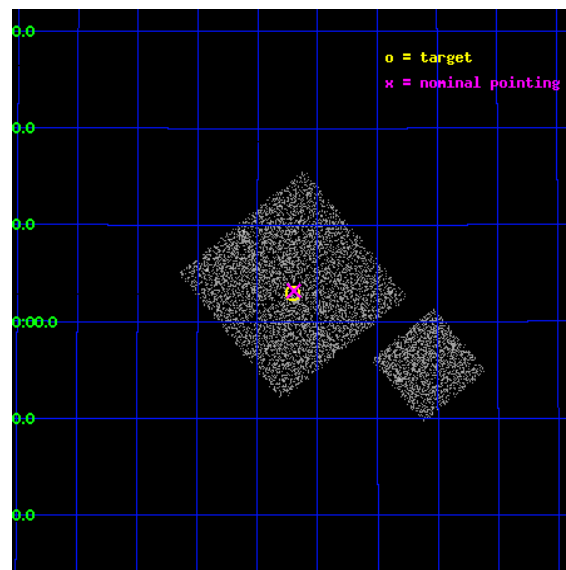
L2 Processing Date : Oct 25 2012

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

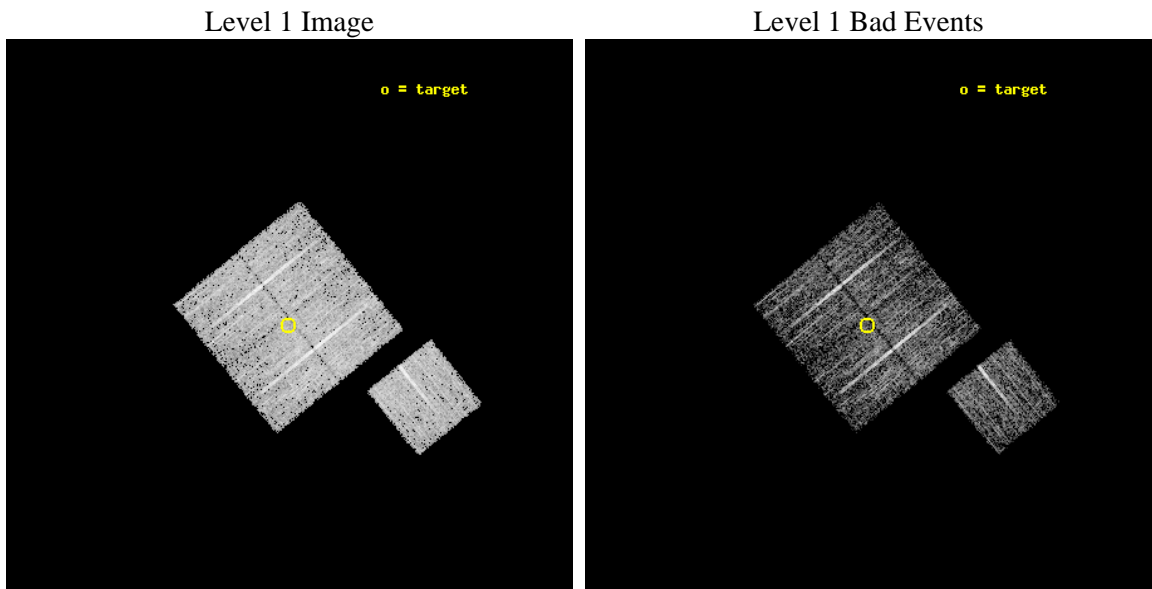
seq_num	900305	Sequence number
obs_id	4262	Observation id
title	A CHANDRA WIDE-FIELD SURVEY TO MAP THE COSMIC WEB AND INVESTIGATE THE EVOLUTION OF NUCLEAR ACCRETION	Proposal title
observer	Dr. Christine Jones	Principal investigator
object	SS53	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.676831	Observer's specified target RA [deg]
dec_targ	33.04953	Observer's specified target Dec [deg]
ra_nom	218.67424014593	Nominal RA [deg]
dec_nom	33.053562328329	Nominal Dec [deg]
roll_nom	141.01010886985	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4673.9936299622	Sum of GTIs [s]
livetime	4612.9244622427	Livetime [s]
ontime0	4673.8705099523	Sum of GTIs [s]
ontime1	4673.9115300477	Sum of GTIs [s]
ontime2	4673.952570051	Sum of GTIs [s]
ontime3	4673.9936299622	Sum of GTIs [s]
ontime6	4673.8294500411	Sum of GTIs [s]
l2events	9788	Number of level 2 events



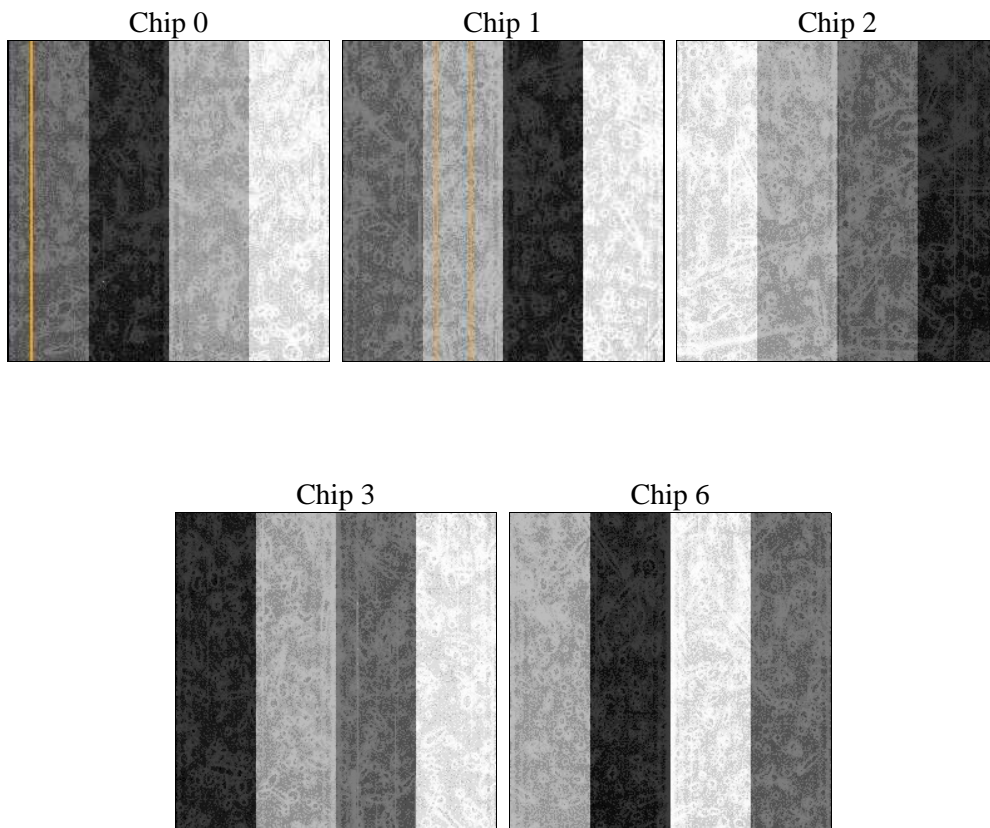
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4673.9936299622	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4673.8705099523	Sum of GTIs [s]
date	2012-10-25T23:37:35	Date and time of file creation	ontime1	4673.9115300477	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4673.952570051	Sum of GTIs [s]
			ontime3	4673.9936299622	Sum of GTIs [s]
			ontime6	4673.8294500411	Sum of GTIs [s]
			l1events	119455	Number of level 1 events

2.1.4 Events

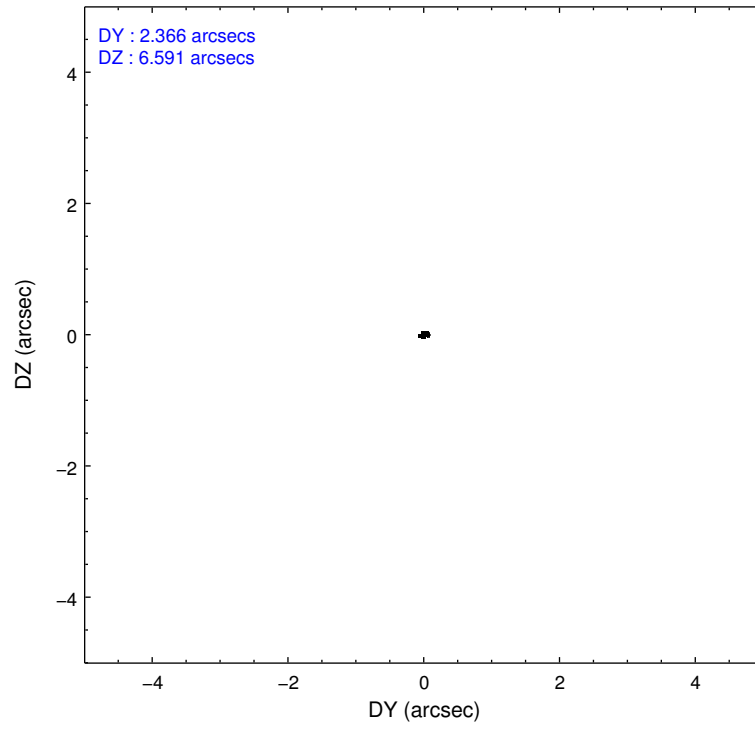
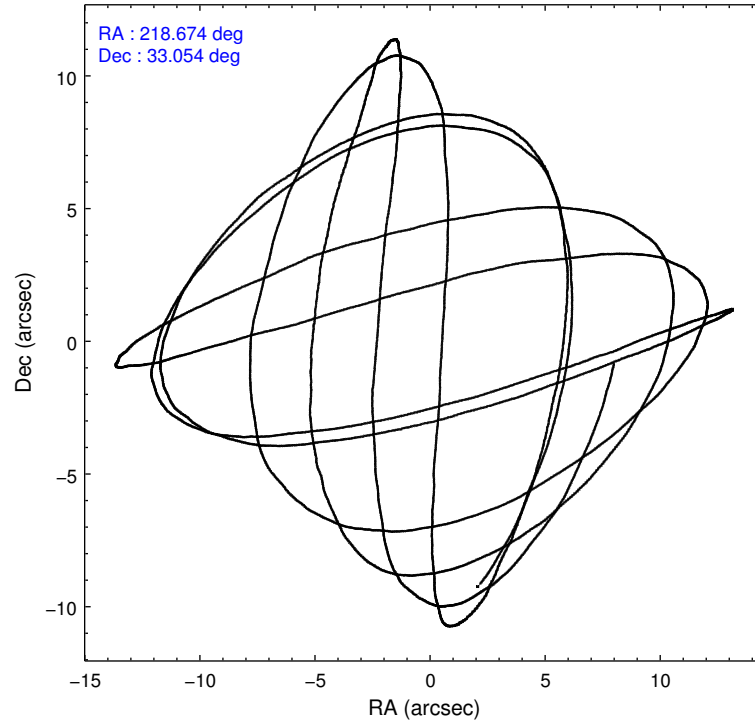
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23033	22646	25878	23549	24349
rejected events	20735	20065	23567	21292	21875
rejected %	90%	88%	91%	90%	89%

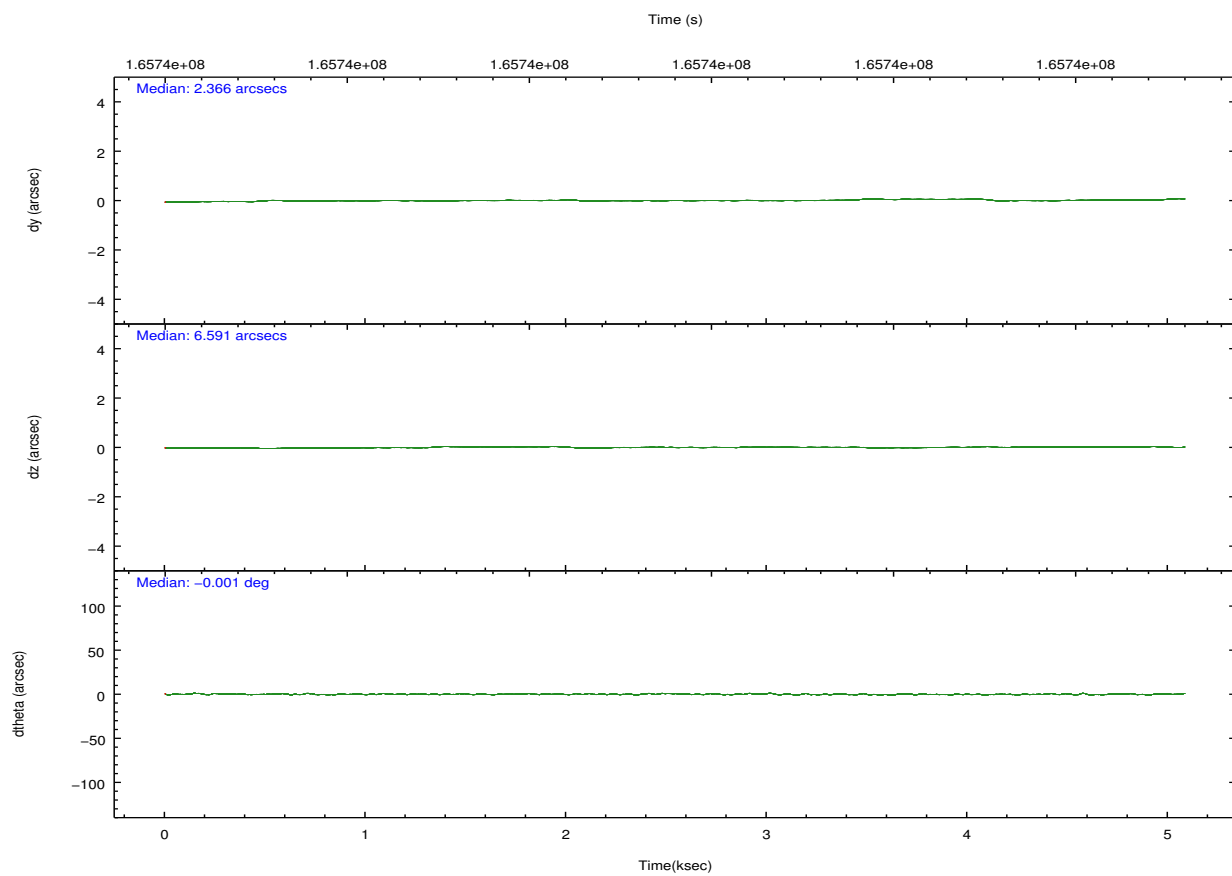
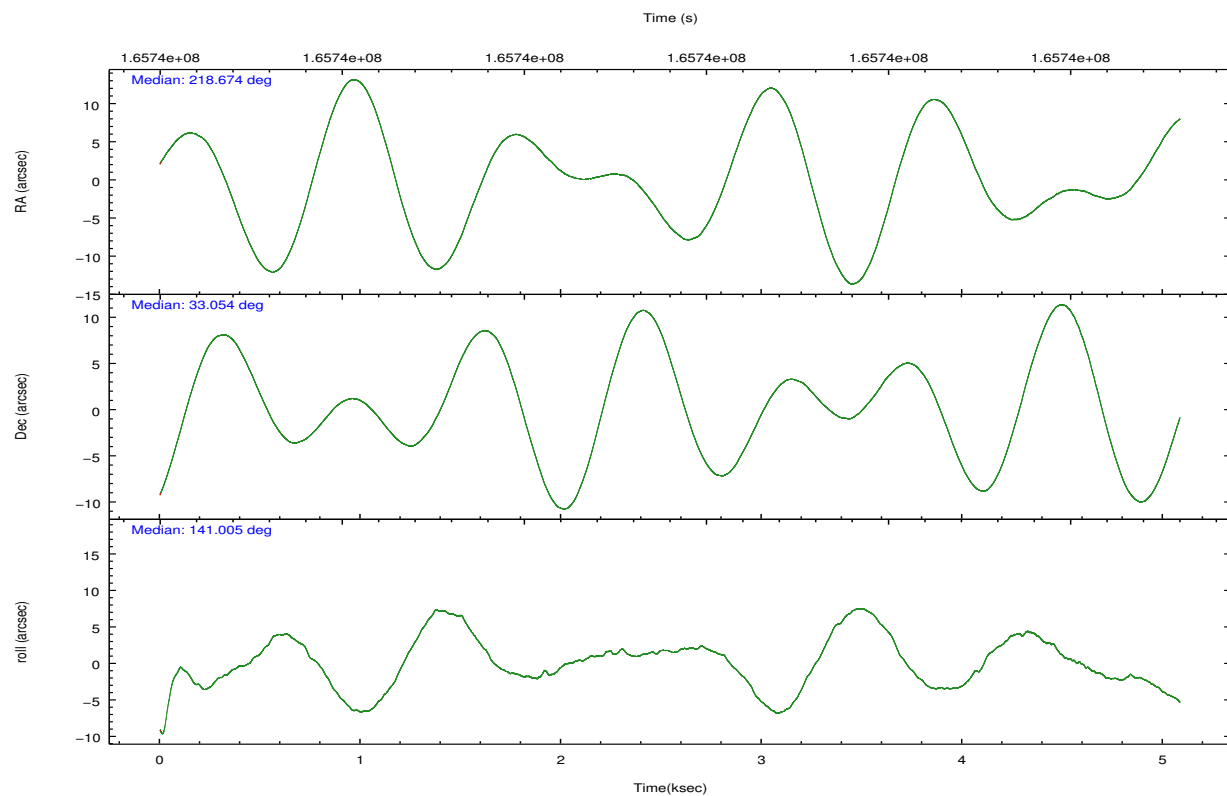
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	824	943	857	829	934
	3%	4%	3%	3%	3%
grade 1 events	11	10	17	11	8
	0%	0%	0%	0%	0%
grade 2 events	529	570	548	487	530
	2%	2%	2%	2%	2%
grade 3 events	269	290	254	253	289
	1%	1%	0%	1%	1%
grade 4 events	251	289	279	275	247
	1%	1%	1%	1%	1%
grade 5 events	737	727	651	808	739
	3%	3%	2%	3%	3%
grade 6 events	427	492	373	415	477
	1%	2%	1%	1%	1%
grade 7 events	19985	19325	22899	20471	21125
	86%	85%	88%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	218.706521	218.6742401459295	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.049453	33.05356232832925	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783804	141.0101088698525	[s] Primary exposure time	0.000000	3.1
[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)	165738445.184000	165738009.97709			
Observation start date	2003-04-03T06:26:21	2003-04-03T06:20:09			
[s] Observation end time (MET)	165743345.184000	165743479.37732			
Observation end date	2003-04-03T07:48:01	2003-04-03T07:51:19			
Read mode	TIMED	TIMED			

2.3 Aspect



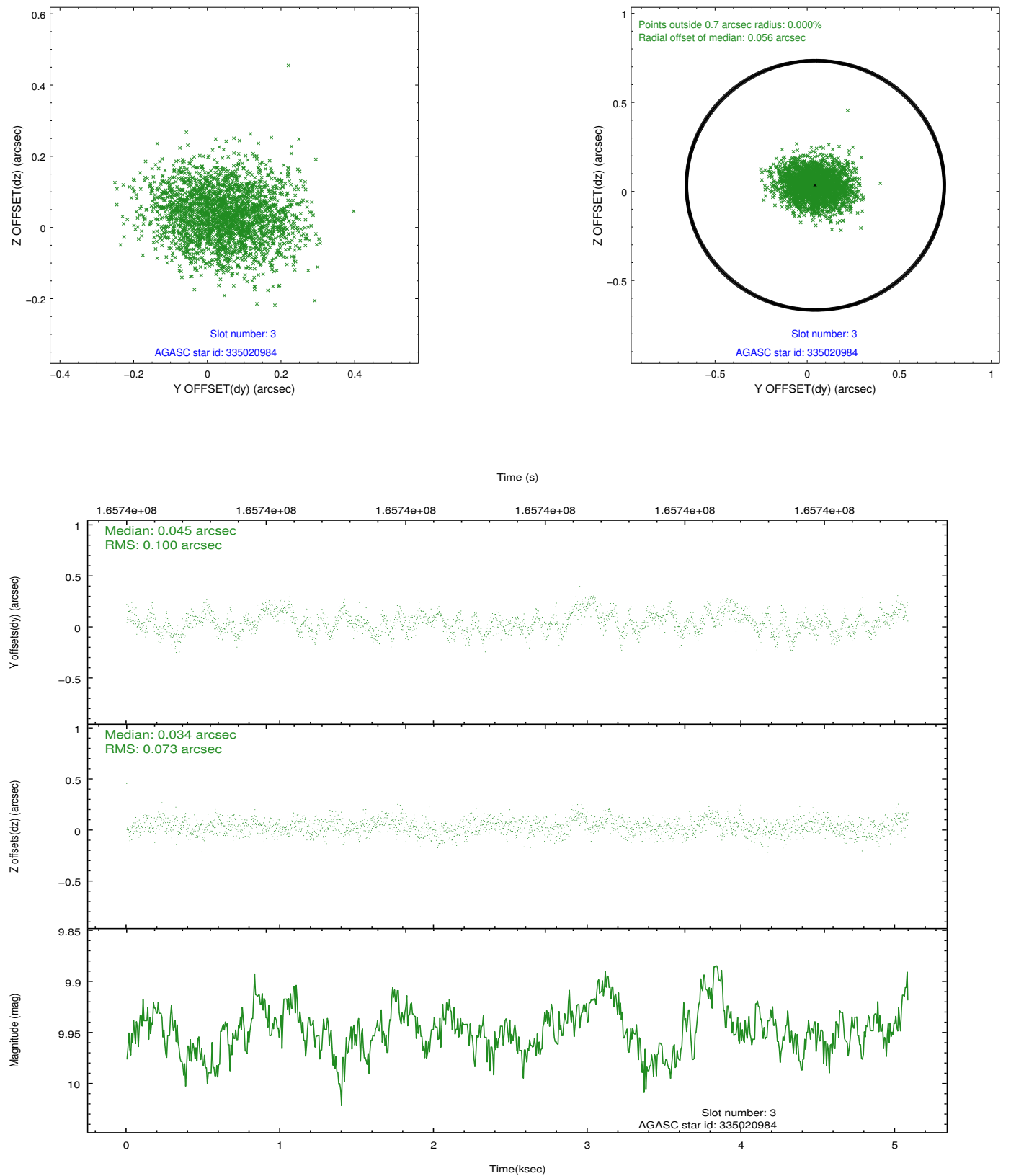


Slot Statistics

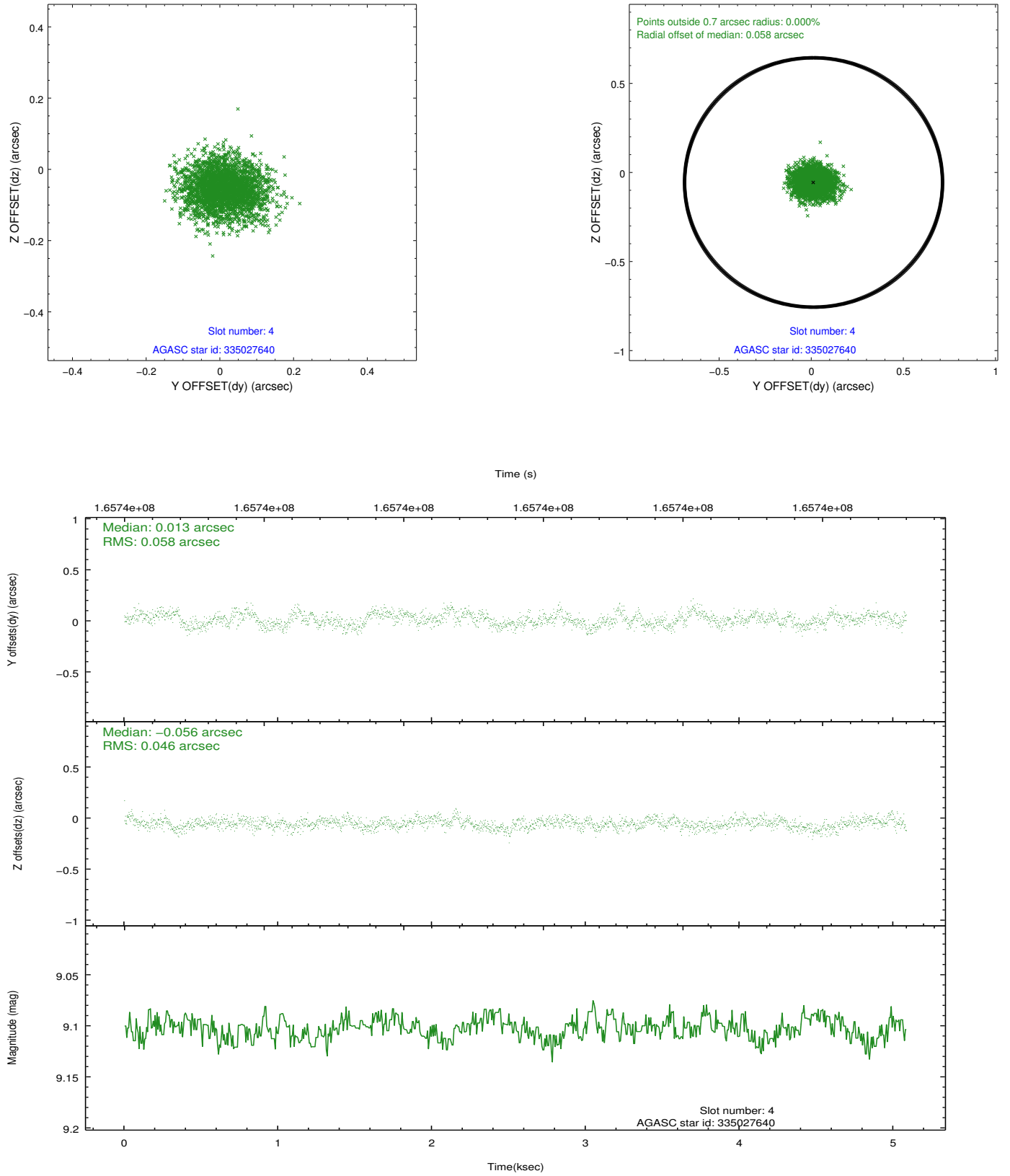
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1241	0.012	-0.006	0.006	0.010	0.000000	0.000000	937.43	-830.00
1	FID	ACIS-I-5	7.24	1241	-0.080	0.052	0.006	0.010	0.000000	0.000000	-1810.06	1067.01
2	FID	ACIS-I-6	7.26	1241	-0.024	0.025	0.007	0.010	0.000000	0.000000	401.70	1712.80
3	GUIDE	335020984	9.95	2477	0.045	0.034	0.134	0.215	218.841668	33.815112	1430.83	-2391.28
4	GUIDE	335027640	9.10	2480	0.013	-0.056	0.079	0.128	218.092211	33.193770	1766.58	762.54
5	GUIDE	335029384	8.51	2481	-0.141	-0.075	0.053	0.084	217.848061	33.088477	2102.24	1520.55
6	GUIDE	335154960	9.56	2481	0.054	-0.016	0.090	0.148	219.209961	33.303073	-593.21	-1667.45
7	GUIDE	335158960	9.53	2473	0.025	0.116	0.100	0.164	219.582957	33.009904	-2132.70	-1571.84

2.4 Star Slots

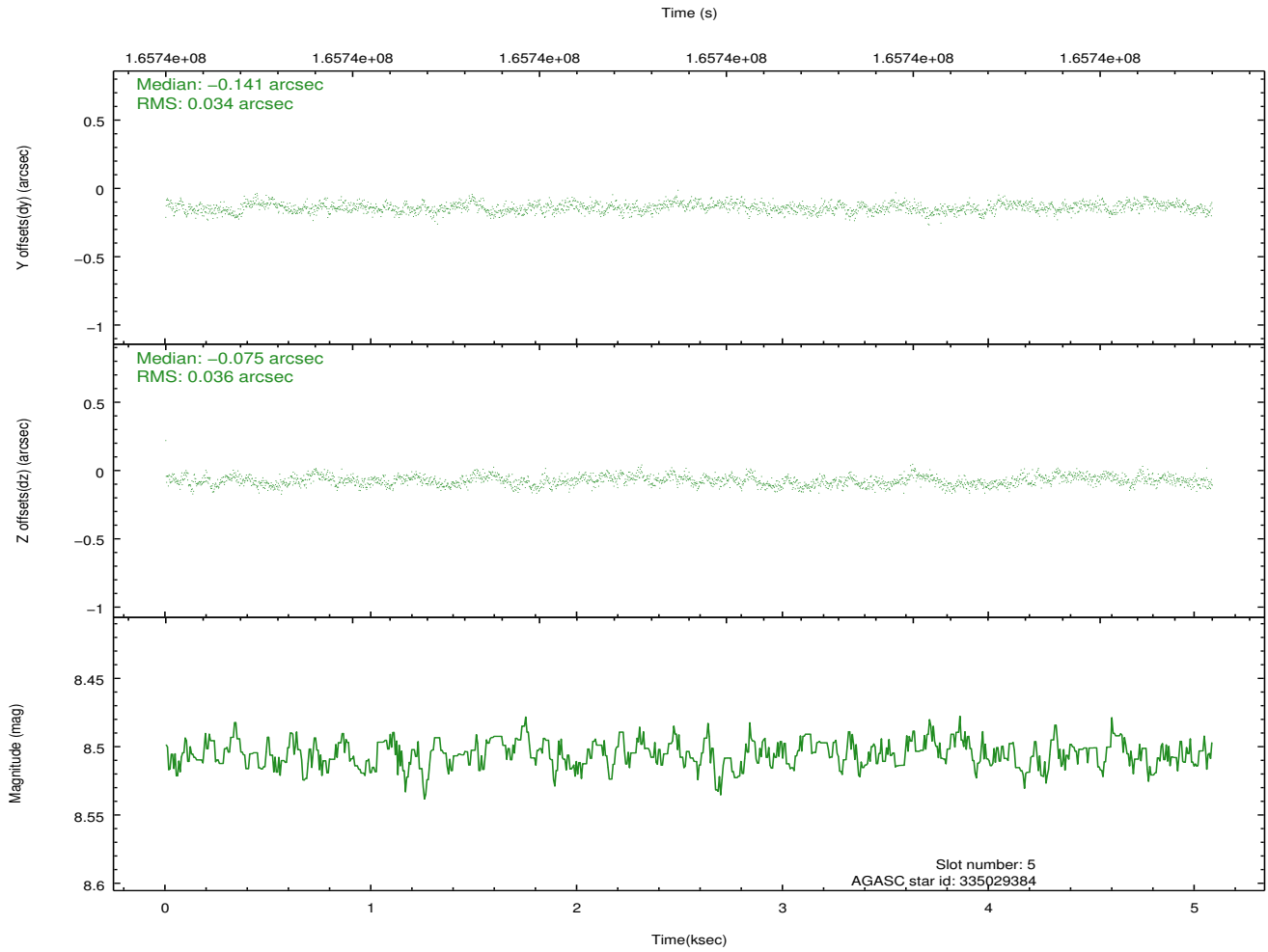
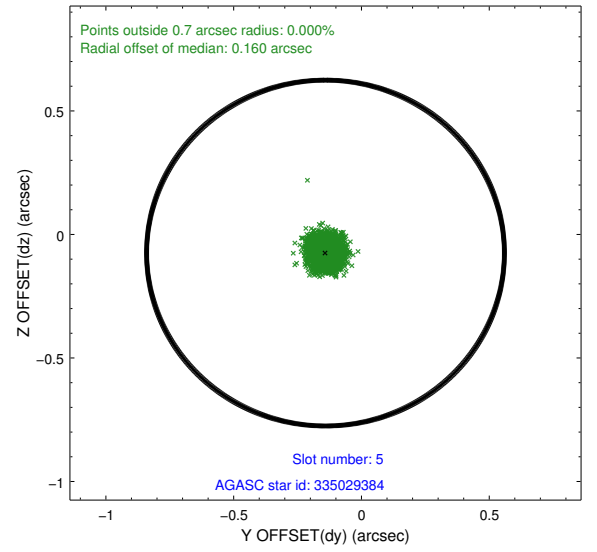
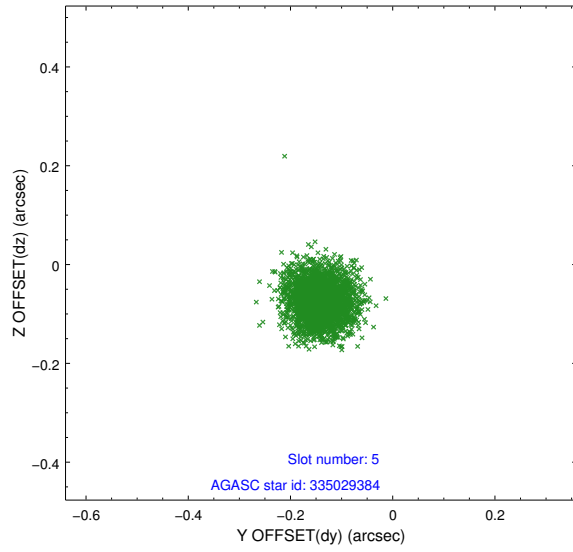
2.4.1 Slot 3



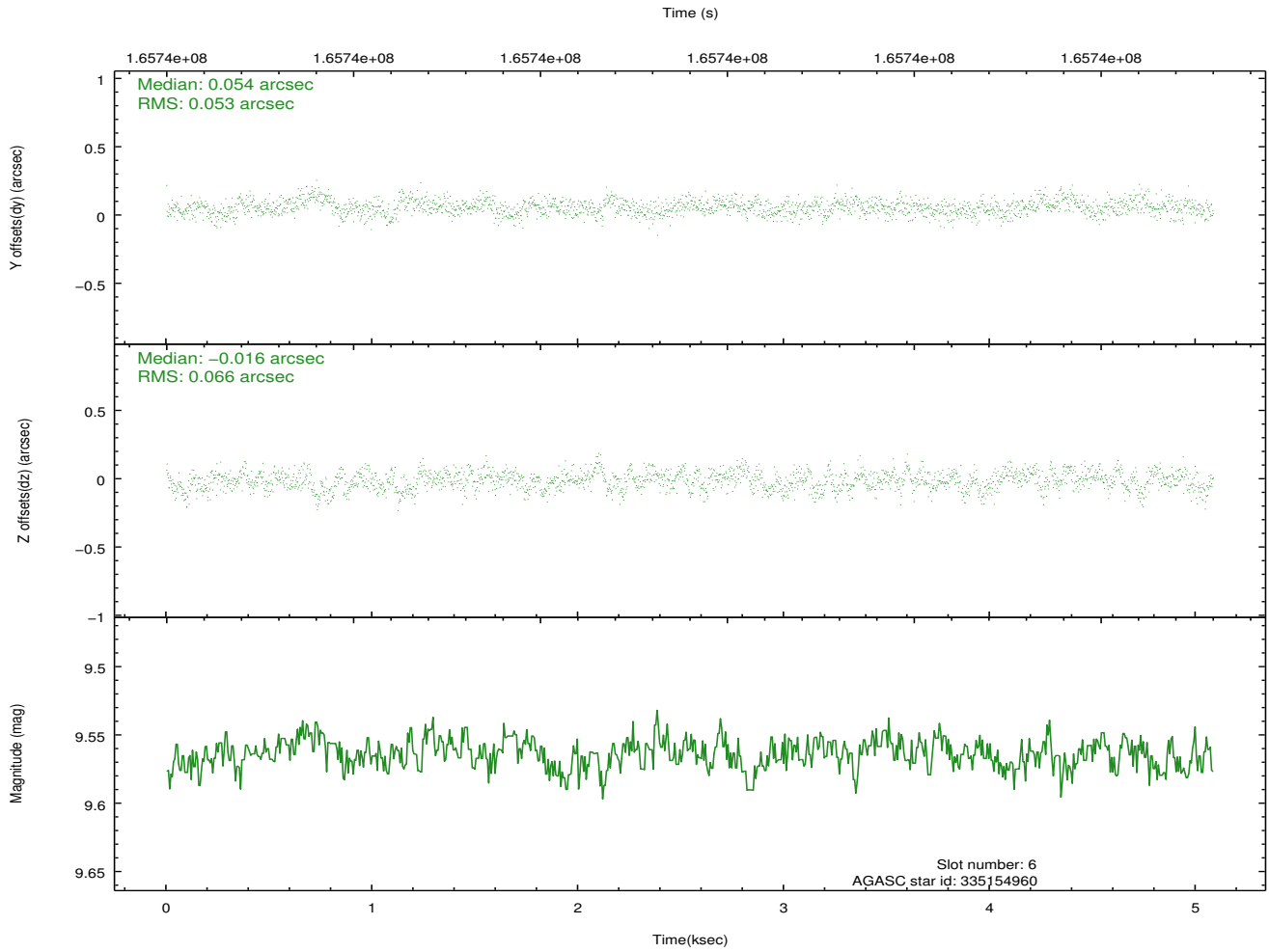
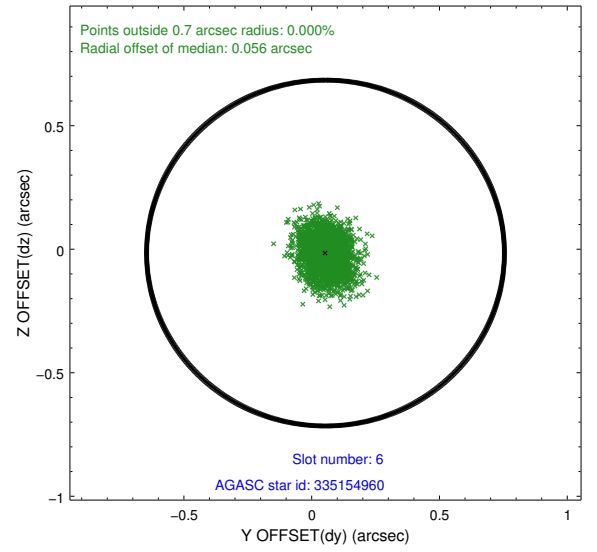
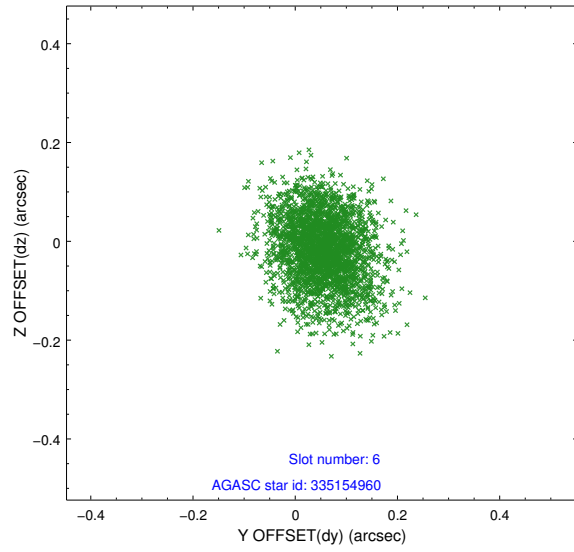
2.4.2 Slot 4



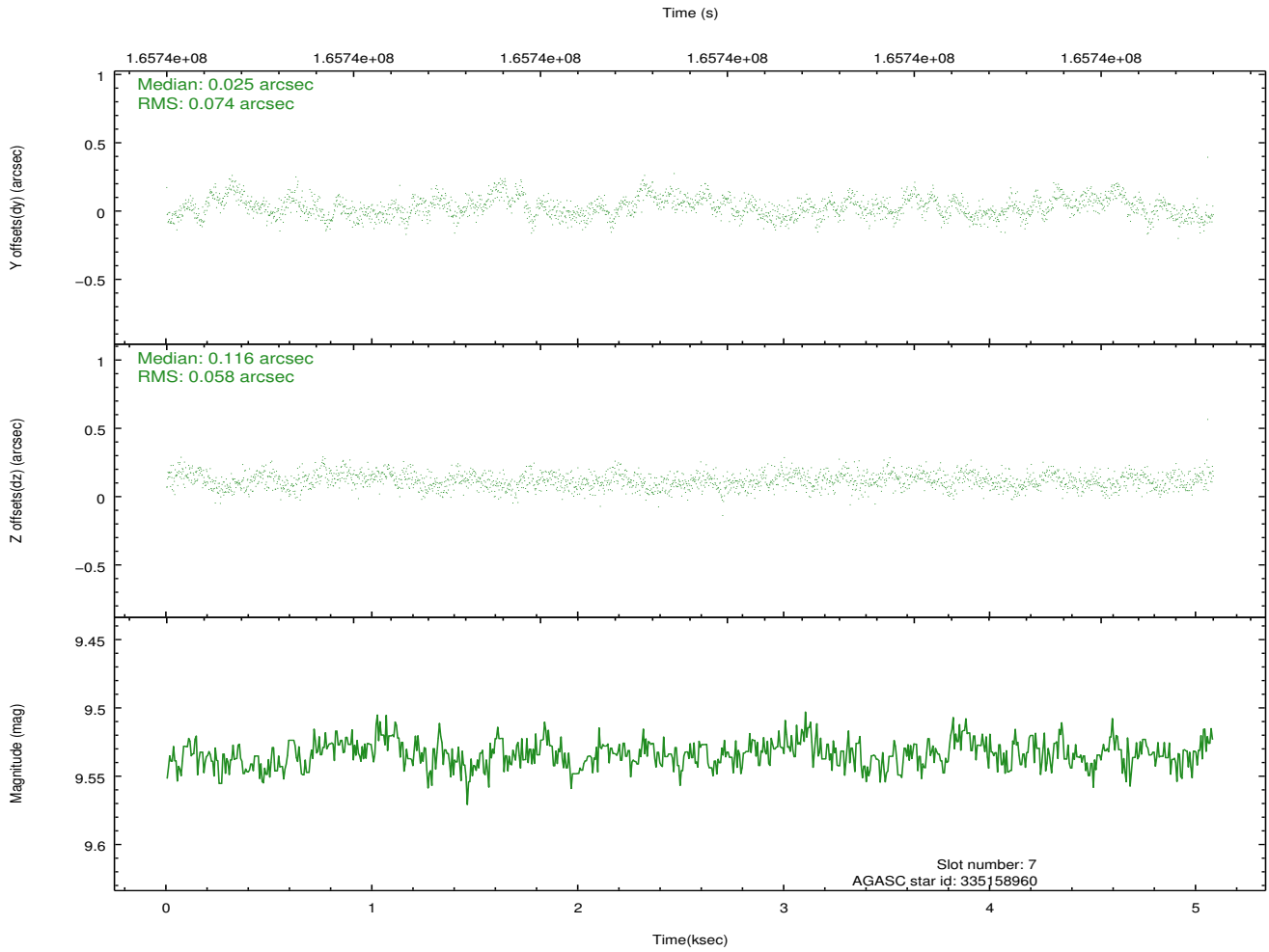
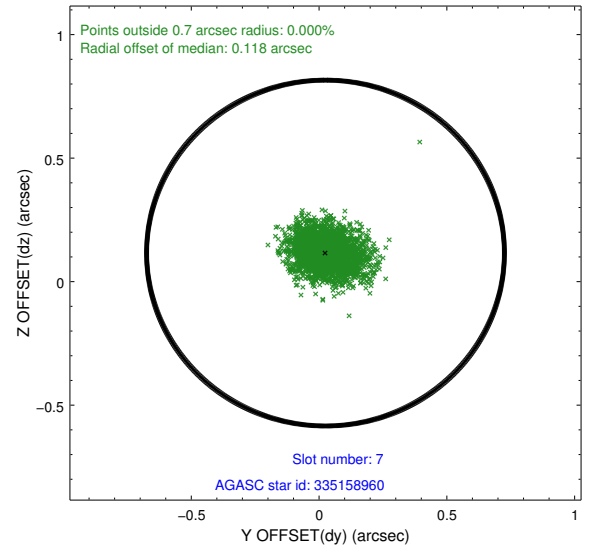
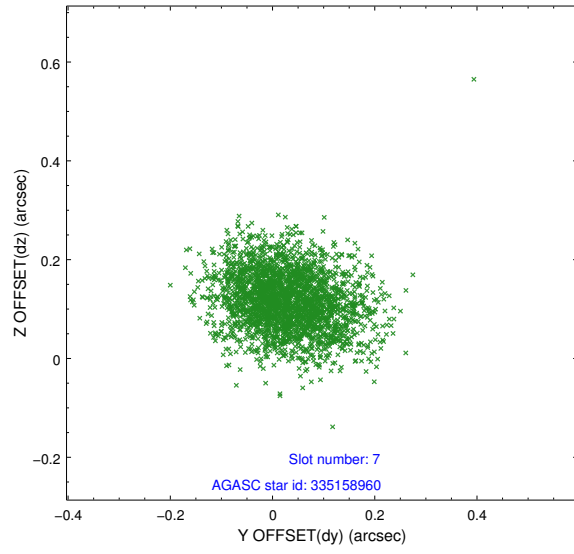
2.4.3 Slot 5



2.4.4 Slot 6

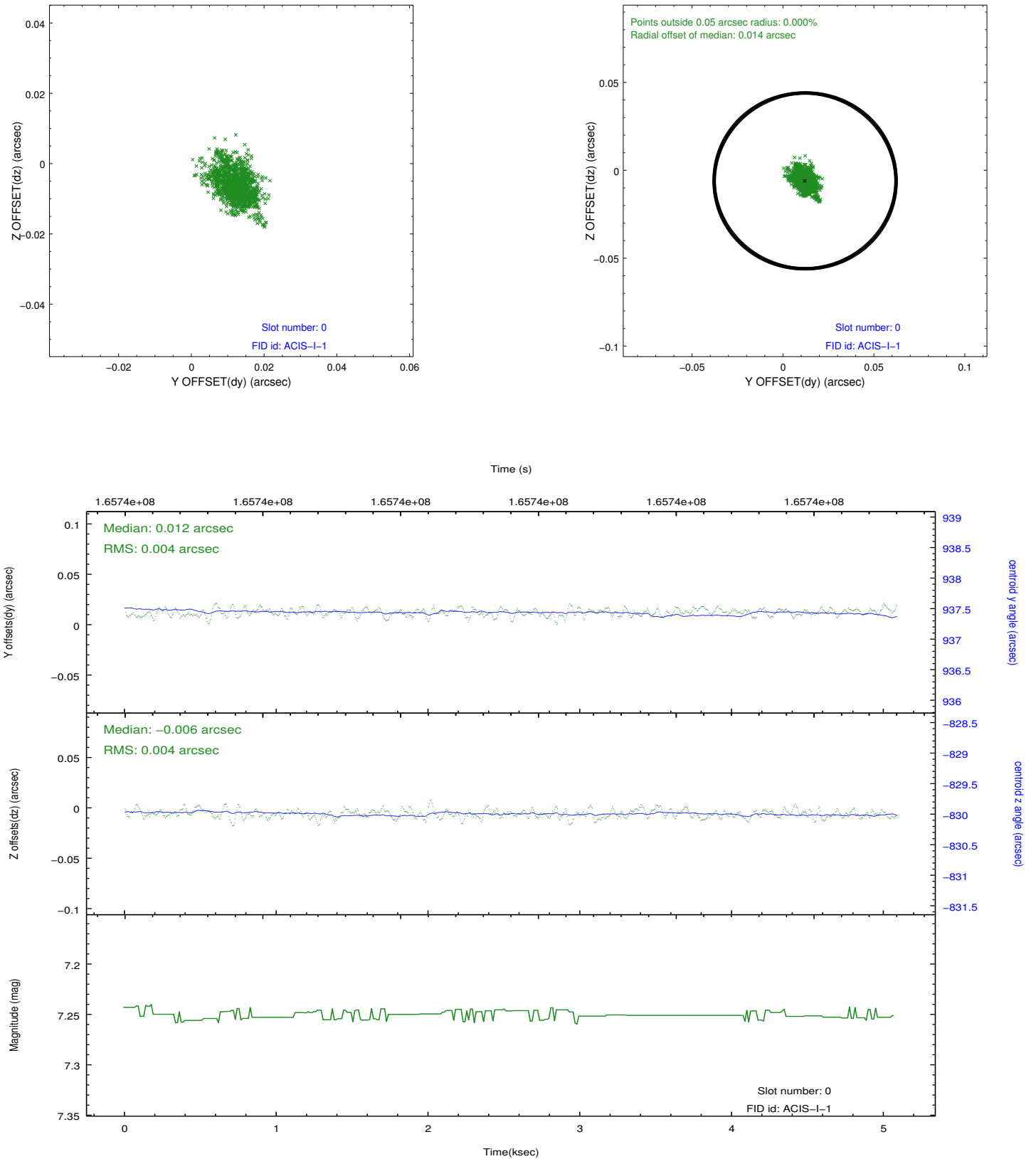


2.4.5 Slot 7

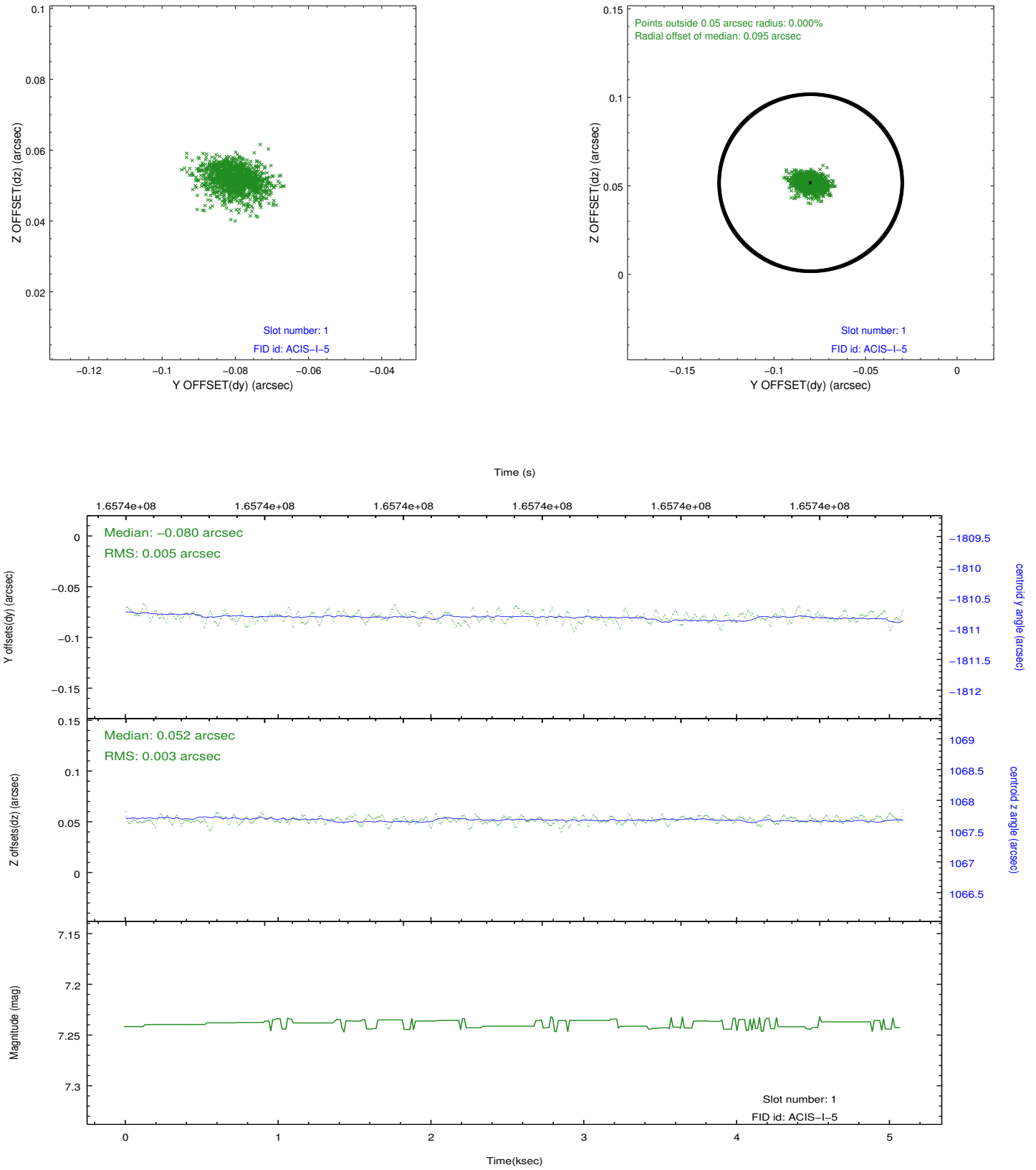


2.5 FID Slots

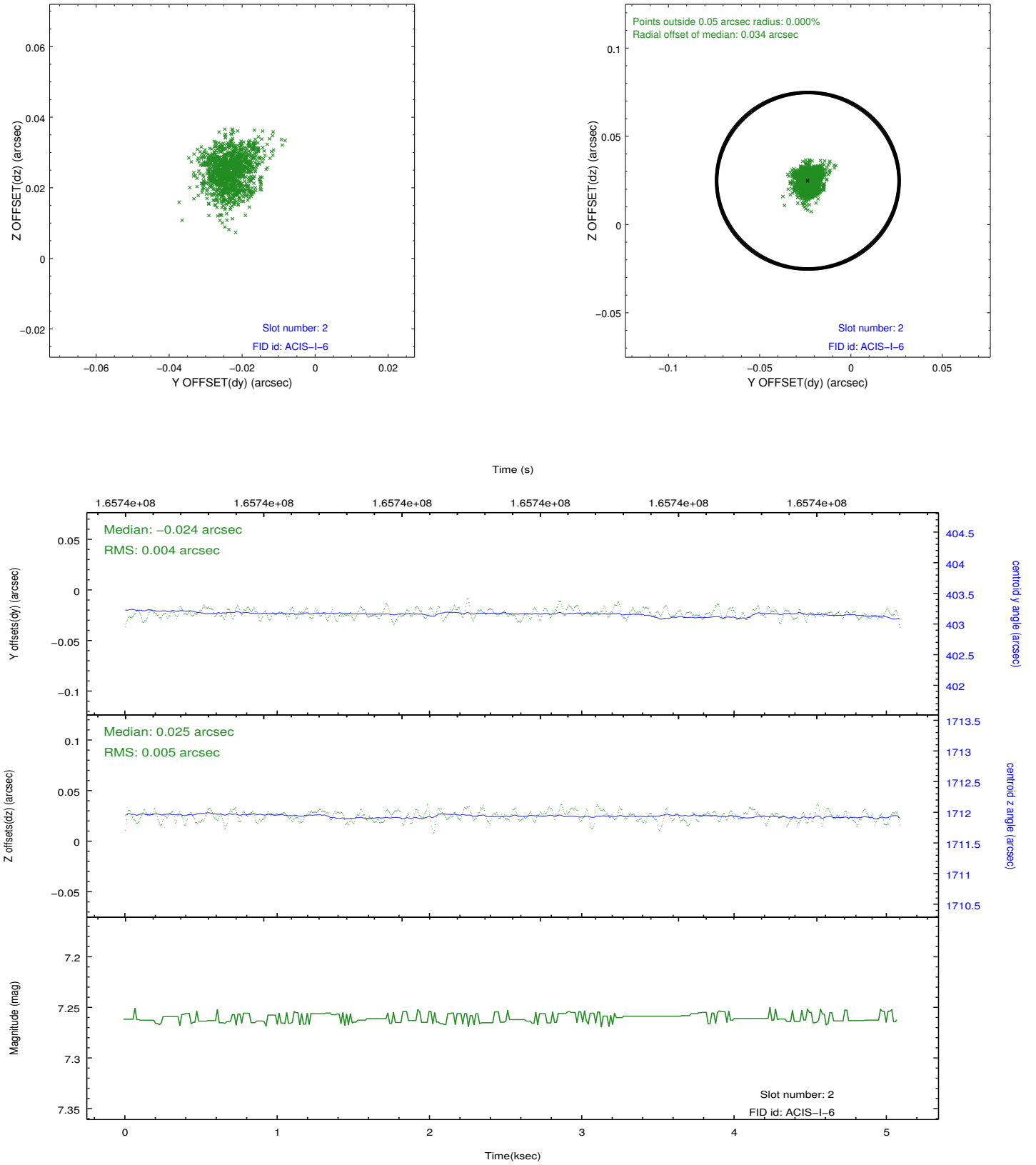
2.5.1 Slot 0



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)	2012.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.674

A.2 Comments