

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3619 - L2 Version 3
Chandra X-Ray Center

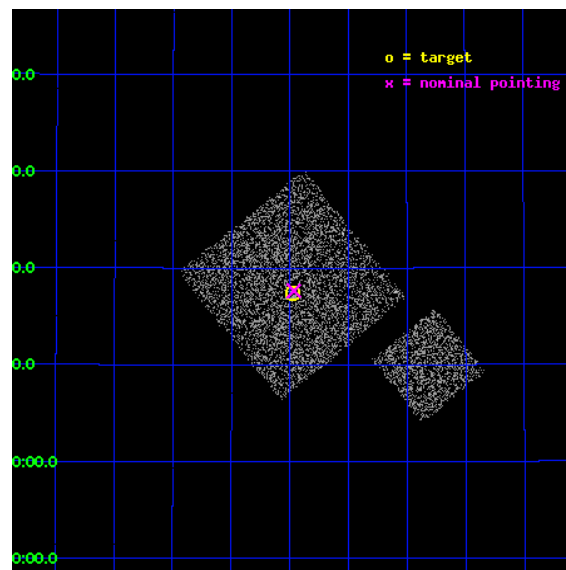
L2 Processing Date : Oct 24 2012

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

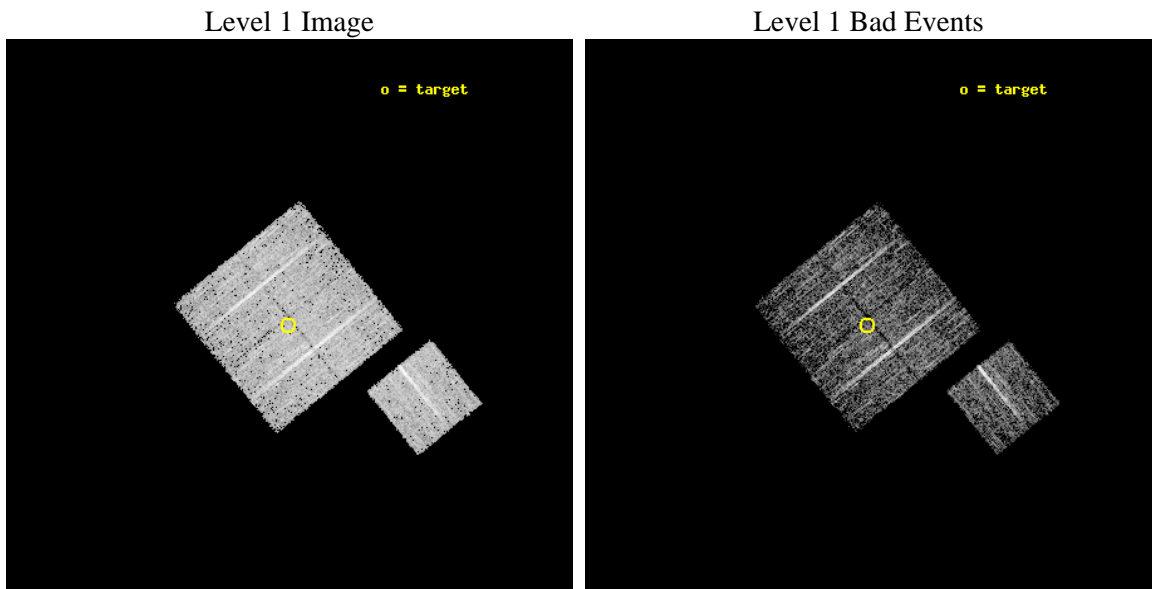
seq_num	900219	Sequence number
obs_id	3619	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.744263	Observer's specified target RA [deg]
dec_targ	35.290164	Observer's specified target Dec [deg]
ra_nom	216.74160166272	Nominal RA [deg]
dec_nom	35.294211565778	Nominal Dec [deg]
roll_nom	141.01024700256	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4776.7685938478	Sum of GTIs [s]
livetime	4714.3565955633	Livetime [s]
ontime0	4773.5044636726	Sum of GTIs [s]
ontime1	4776.6864939332	Sum of GTIs [s]
ontime2	4776.7275339365	Sum of GTIs [s]
ontime3	4776.7685938478	Sum of GTIs [s]
ontime6	4776.6044338346	Sum of GTIs [s]
l2events	9522	Number of level 2 events



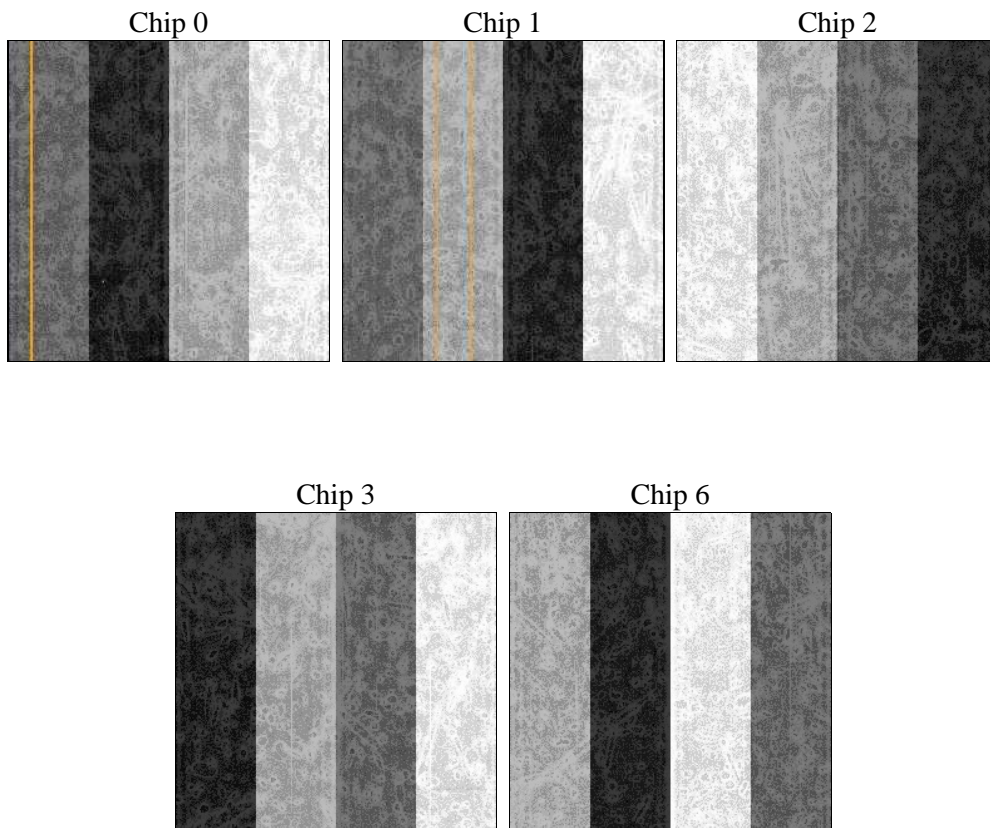
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4776.7685938478	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4773.5044636726	Sum of GTIs [s]
date	2012-10-24T20:51:14	Date and time of file creation	ontime1	4776.6864939332	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4776.7275339365	Sum of GTIs [s]
			ontime3	4776.7685938478	Sum of GTIs [s]
			ontime6	4776.6044338346	Sum of GTIs [s]
			l1events	120058	Number of level 1 events

2.1.4 Events

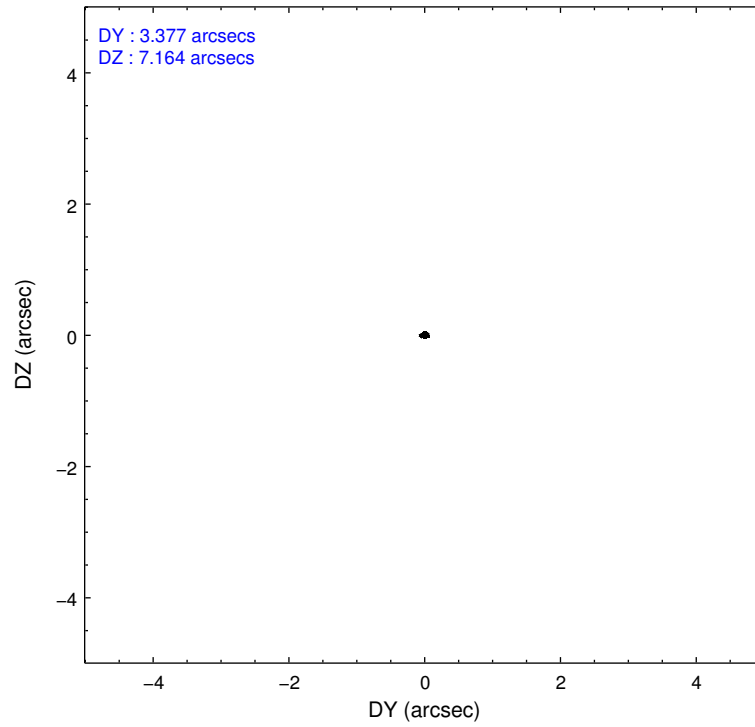
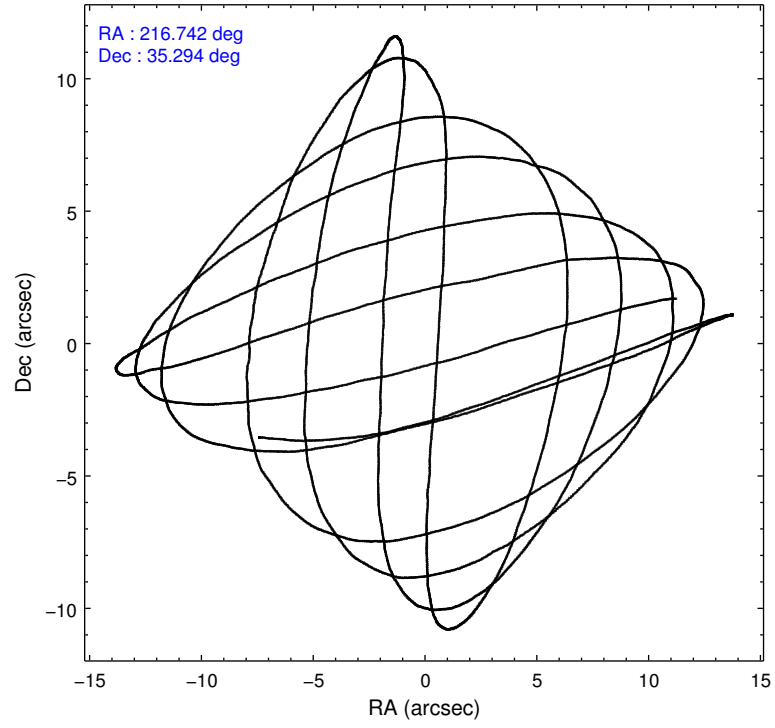
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23045	21696	25543	24720	25054
rejected events	20621	19279	23249	22531	22668
rejected %	89%	88%	91%	91%	90%

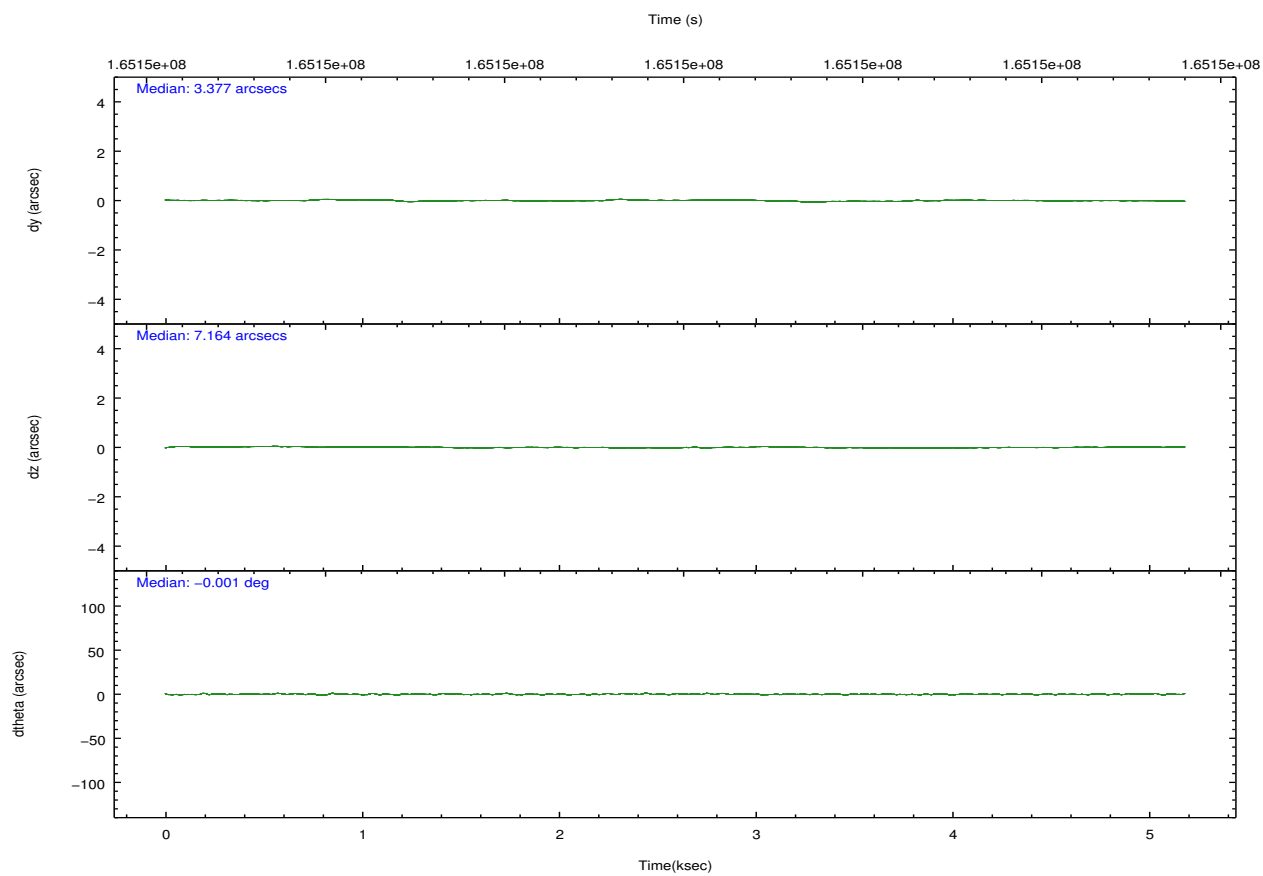
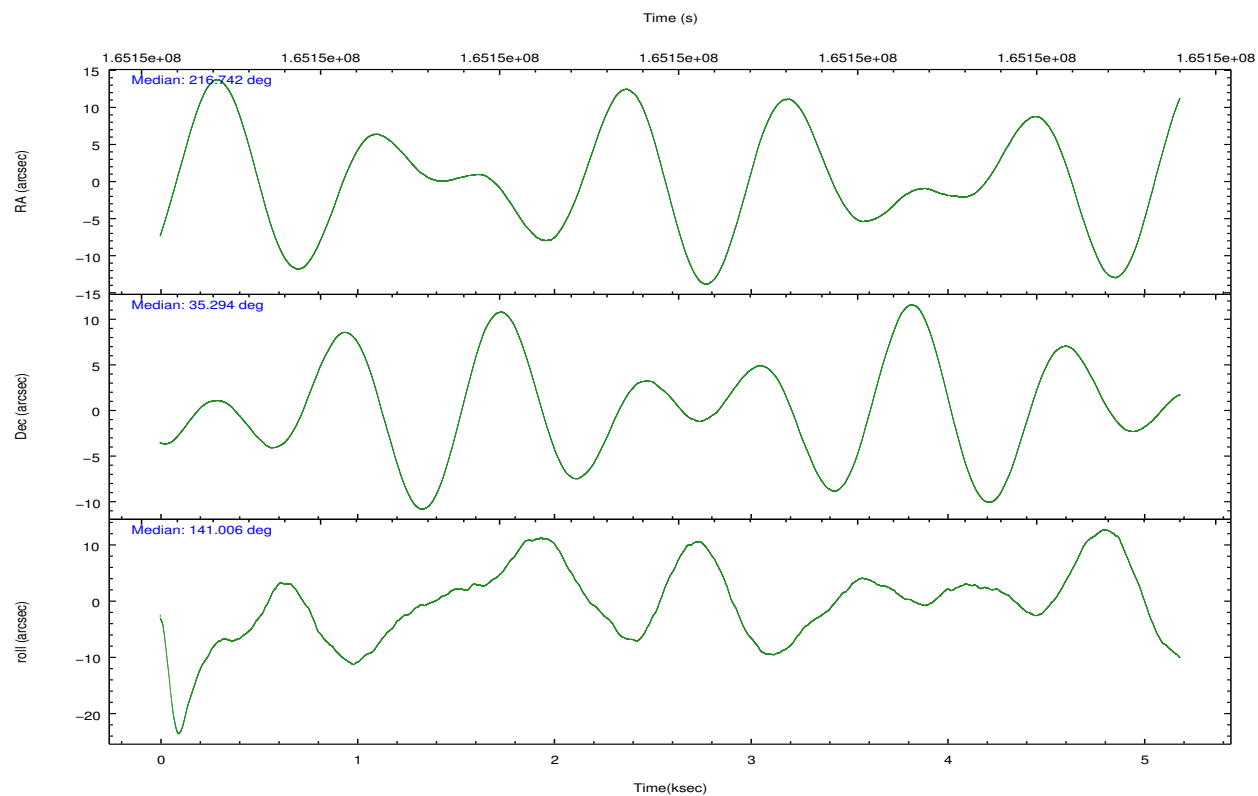
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	864	829	895	782	868
	3%	3%	3%	3%	3%
grade 1 events	11	9	9	13	12
	0%	0%	0%	0%	0%
grade 2 events	596	555	507	469	491
	2%	2%	1%	1%	1%
grade 3 events	265	298	256	271	281
	1%	1%	1%	1%	1%
grade 4 events	282	293	245	243	262
	1%	1%	0%	0%	1%
grade 5 events	691	731	664	850	823
	2%	3%	2%	3%	3%
grade 6 events	418	443	392	424	484
	1%	2%	1%	1%	1%
grade 7 events	19918	18538	22575	21668	21833
	86%	85%	88%	87%	87%

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	216.774746	216.7416016627166	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.290076	35.29421156577812	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782392	141.0102470025608	[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)	165147539.184000	165147163.56468			
Observation start date	2003-03-27T10:17:55	2003-03-27T10:12:43			
[s] Observation end time (MET)	165152539.184000	165152673.96491			
Observation end date	2003-03-27T11:41:15	2003-03-27T11:44:33			
Read mode	TIMED	TIMED			

2.3 Aspect



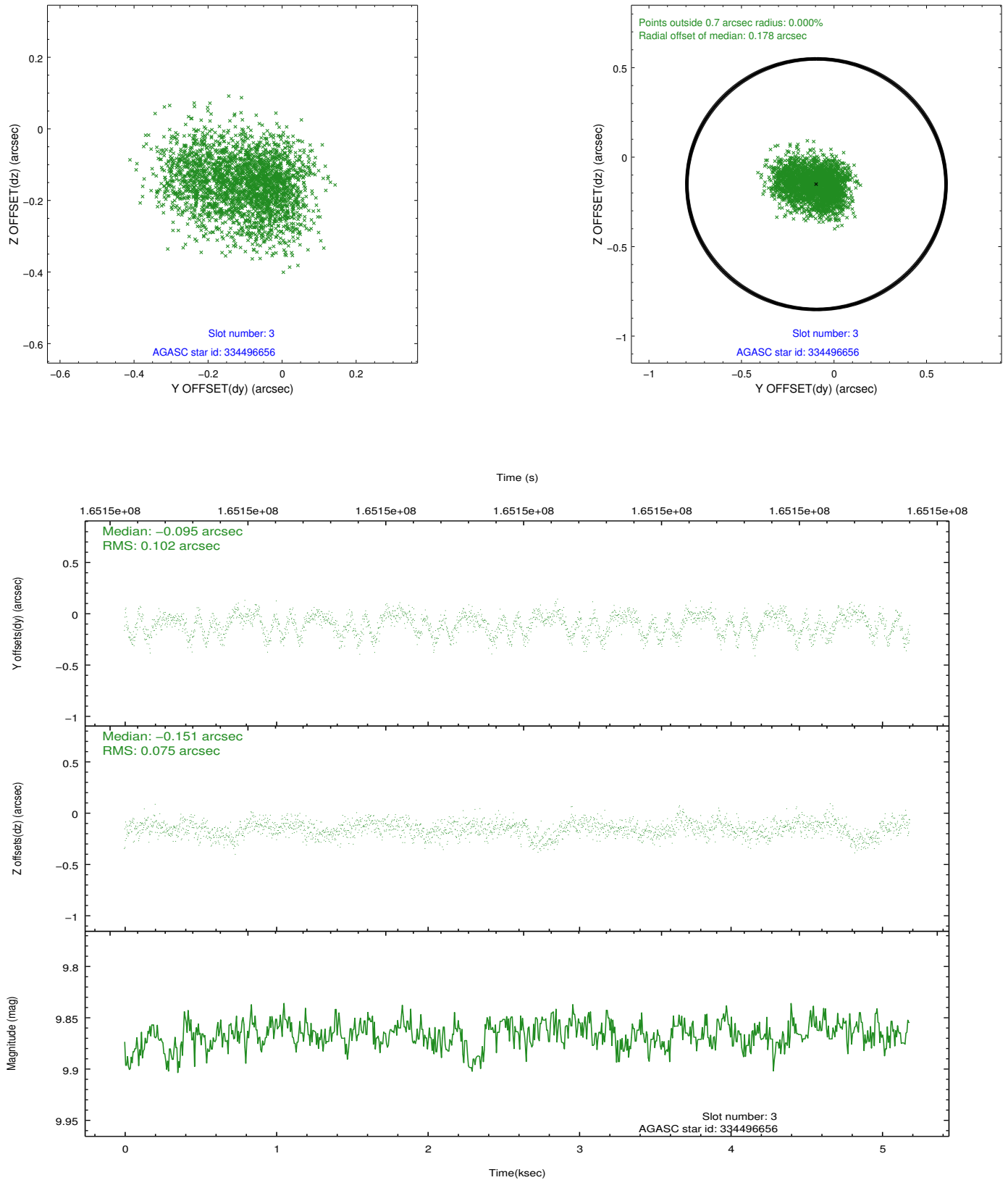


Slot Statistics

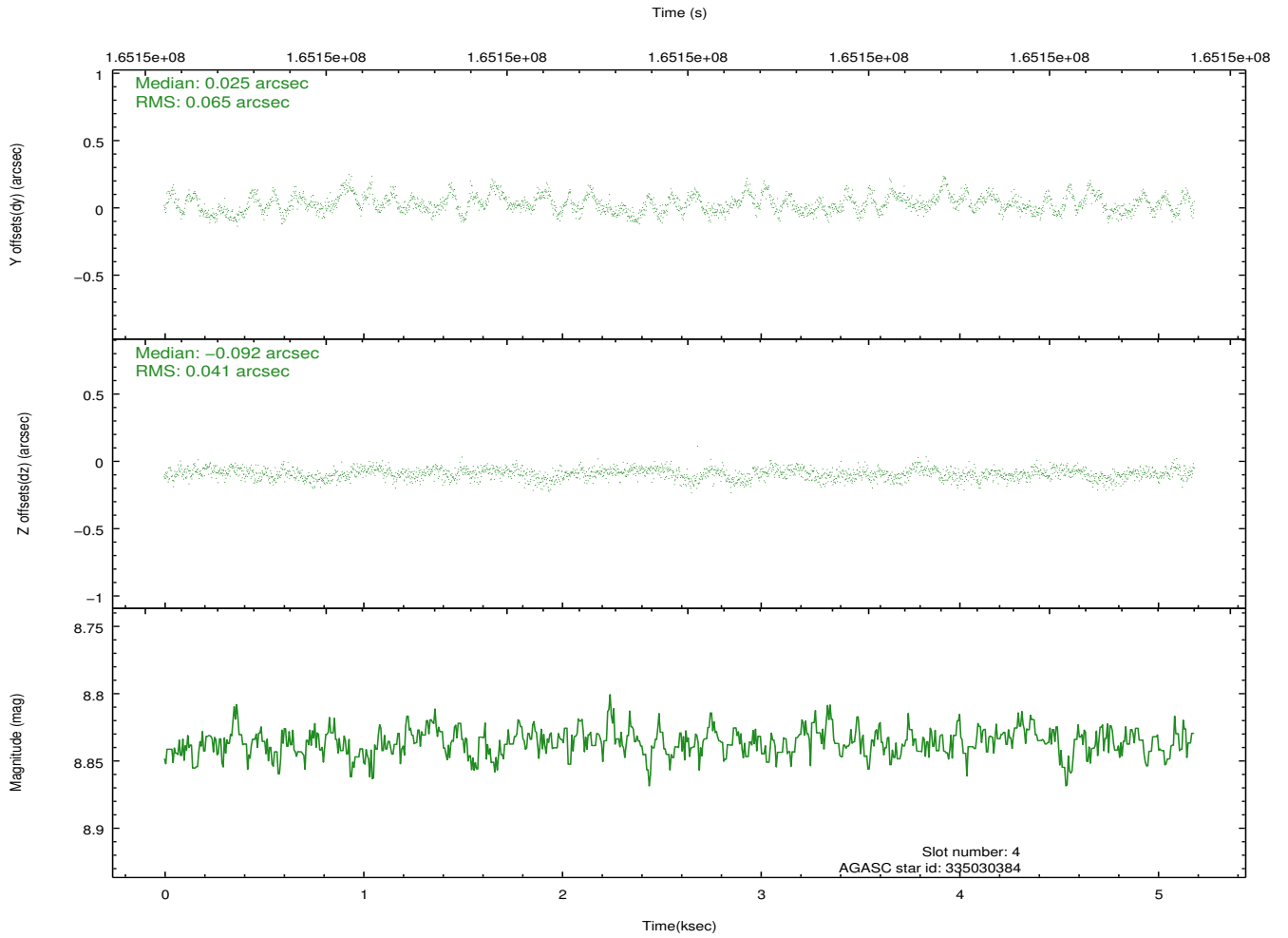
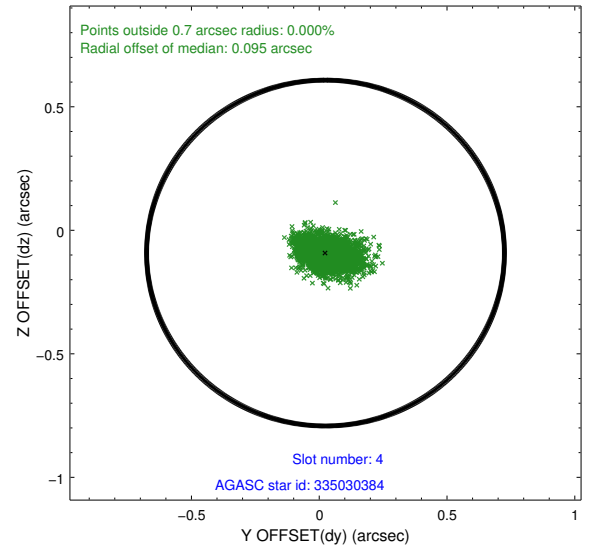
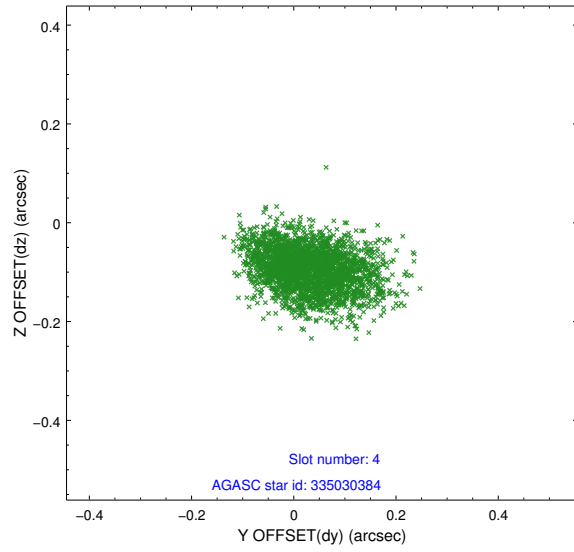
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1265	0.018	0.015	0.006	0.012	0.000000	0.000000	936.41	-830.56
1	FID	ACIS-I-5	7.24	1265	-0.089	0.061	0.006	0.011	0.000000	0.000000	-1811.12	1066.44
2	FID	ACIS-I-6	7.26	1265	-0.020	-0.005	0.006	0.012	0.000000	0.000000	400.70	1712.16
3	GUIDE	334496656	9.87	2528	-0.095	-0.151	0.138	0.215	215.929218	35.031287	1348.81	2289.60
4	GUIDE	335030384	8.84	2528	0.025	-0.092	0.080	0.136	216.806407	34.722197	-1364.38	1525.53
5	GUIDE	335417968	9.40	2523	0.074	0.127	0.109	0.179	217.358149	35.055285	-1863.31	-435.34
6	GUIDE	335419120	9.64	2525	0.021	0.077	0.118	0.189	216.521861	35.833546	1809.17	-1049.70
7	GUIDE	335422272	9.46	2526	-0.013	0.036	0.131	0.204	217.586135	35.522660	-1305.10	-2159.83

2.4 Star Slots

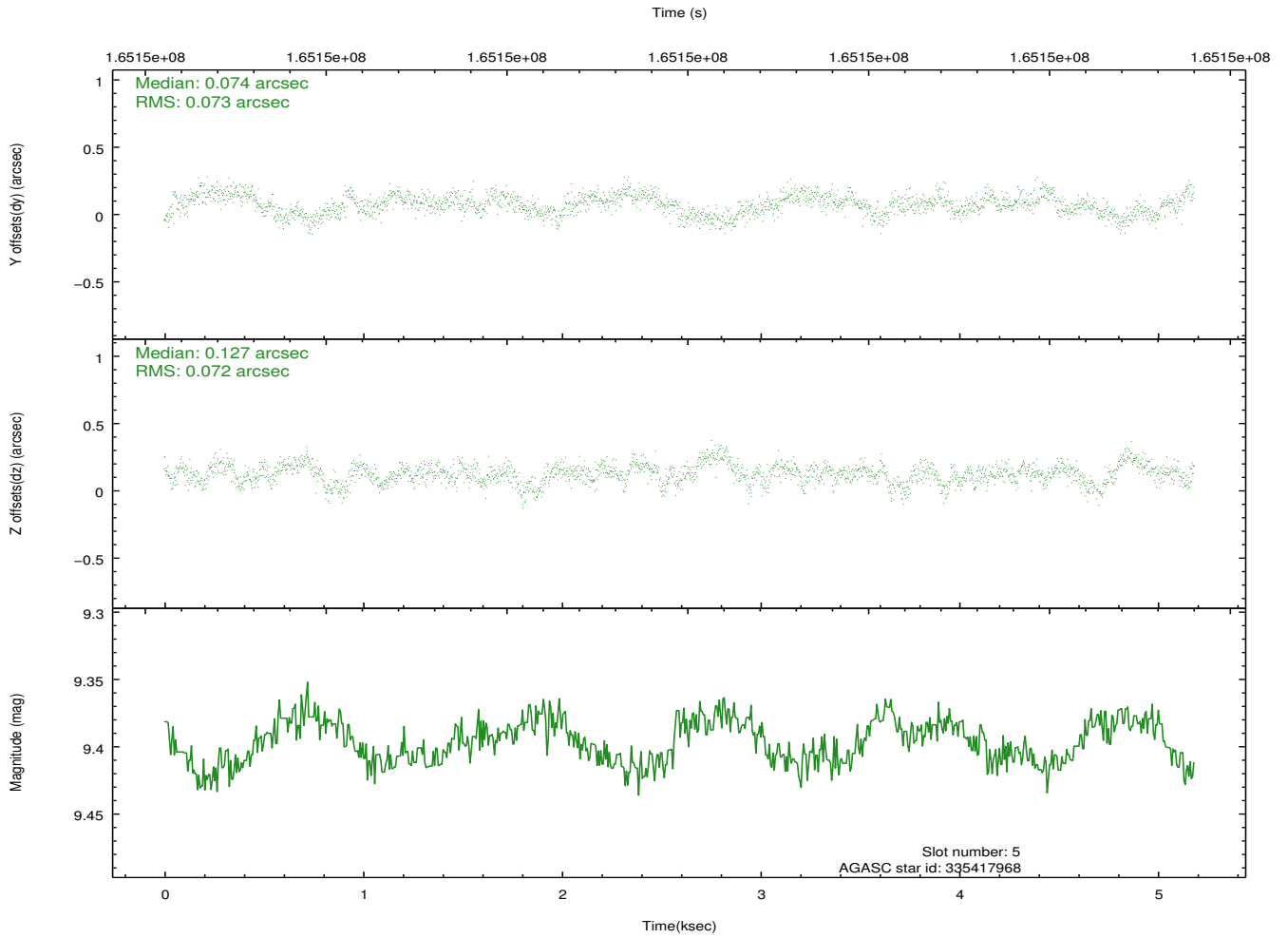
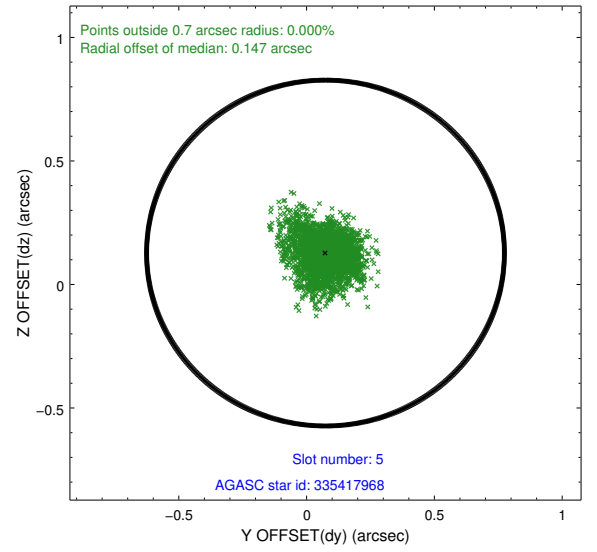
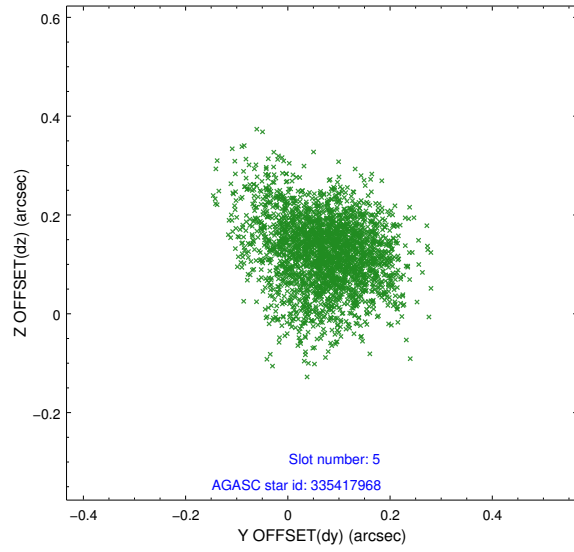
2.4.1 Slot 3



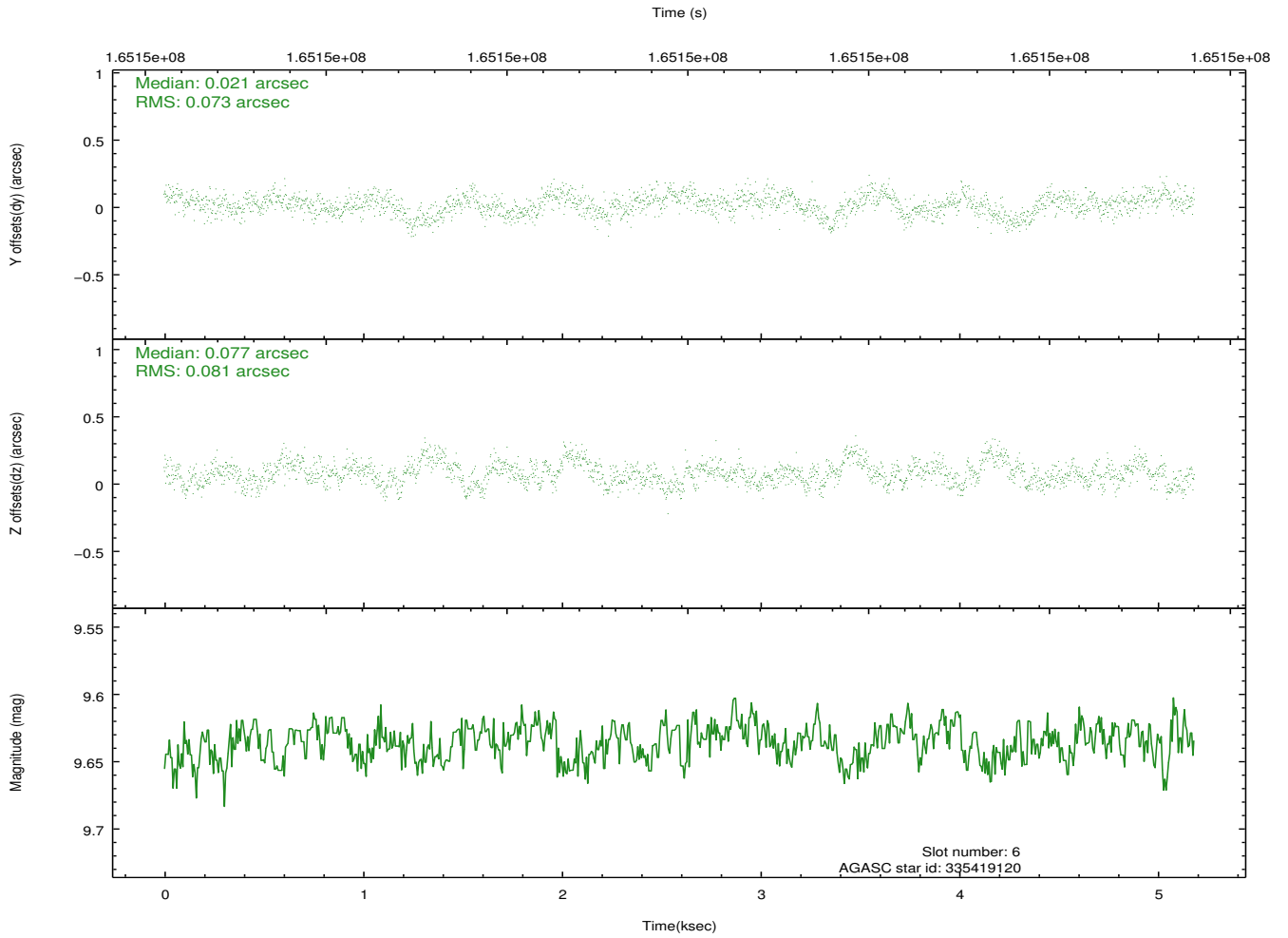
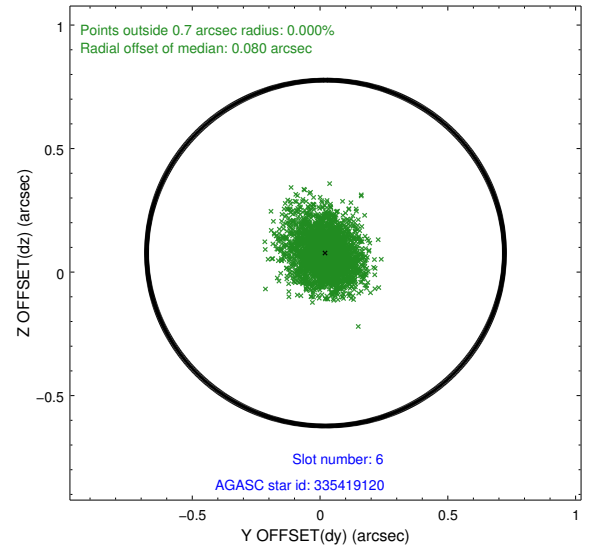
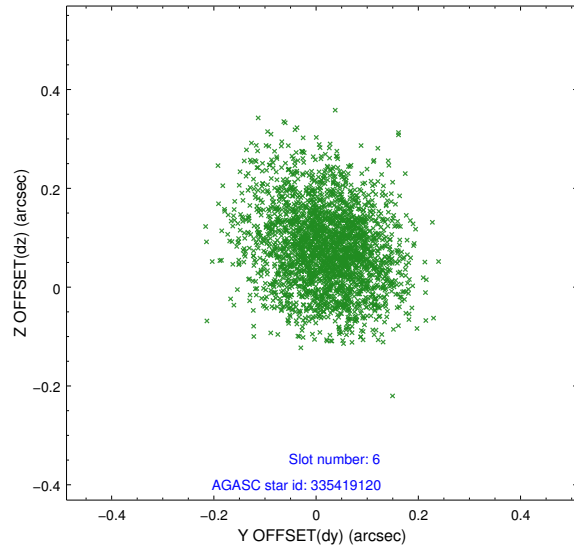
2.4.2 Slot 4



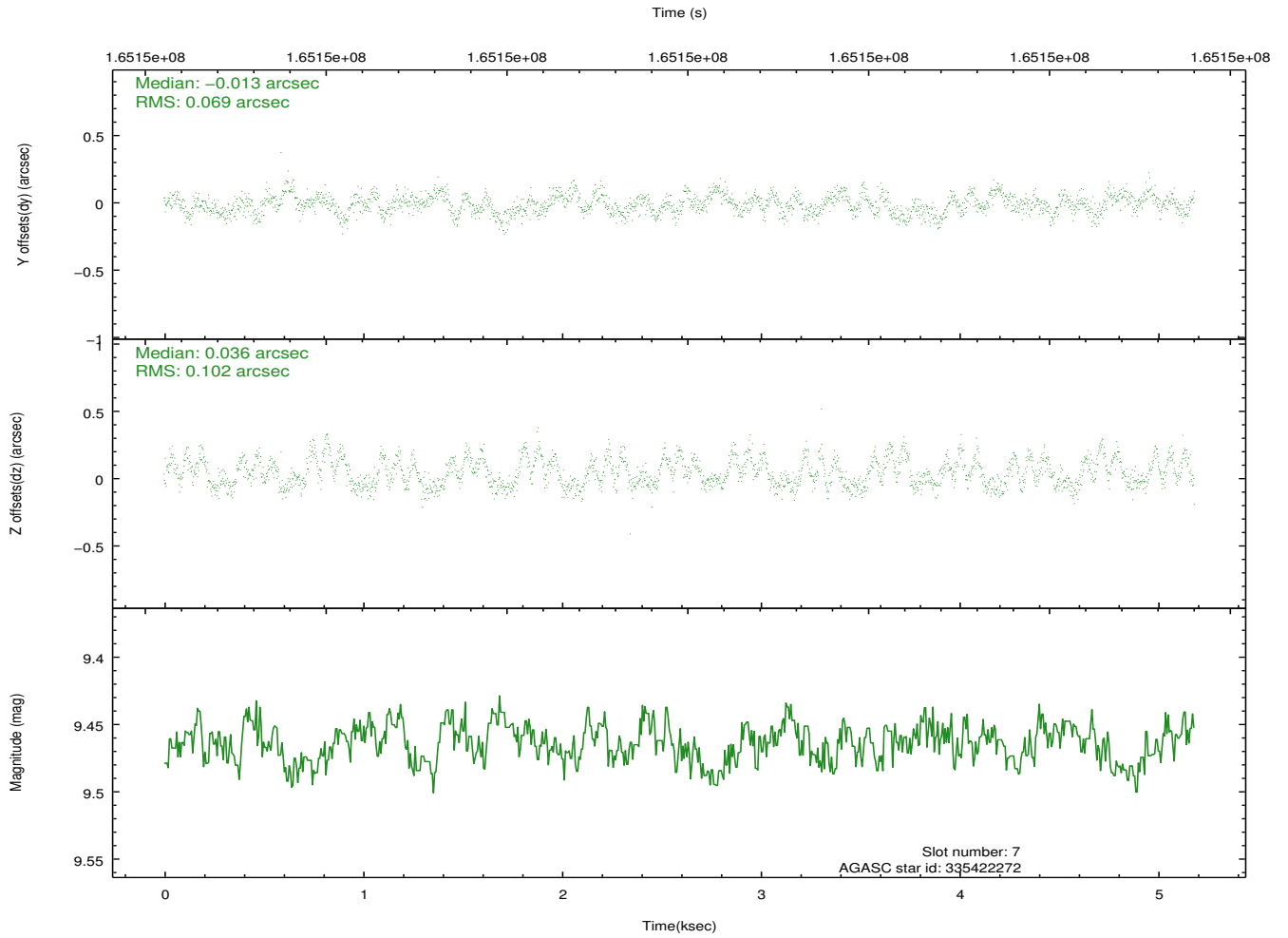
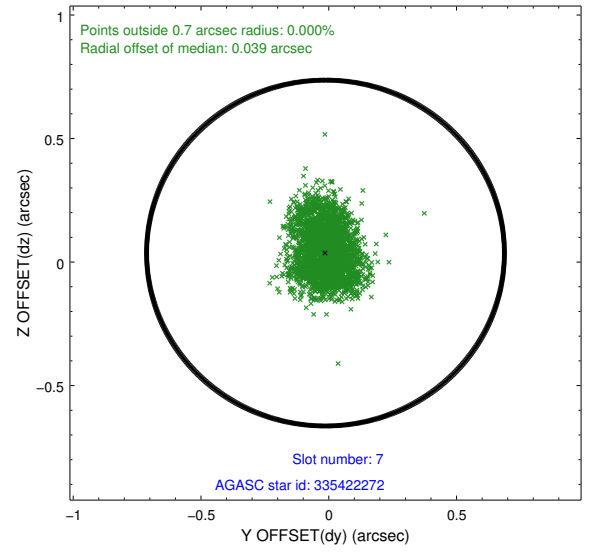
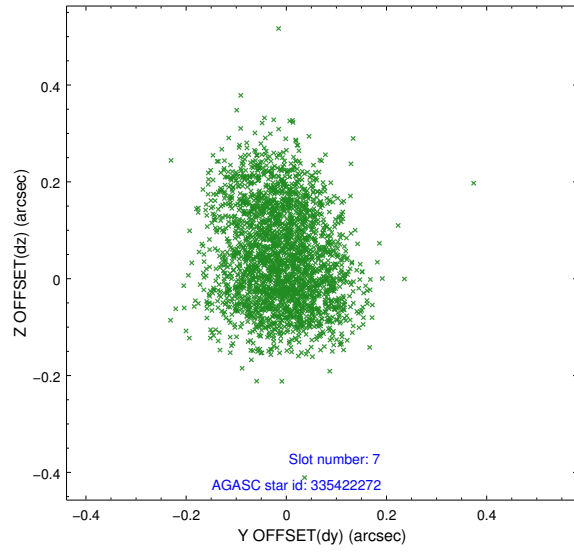
2.4.3 Slot 5



2.4.4 Slot 6

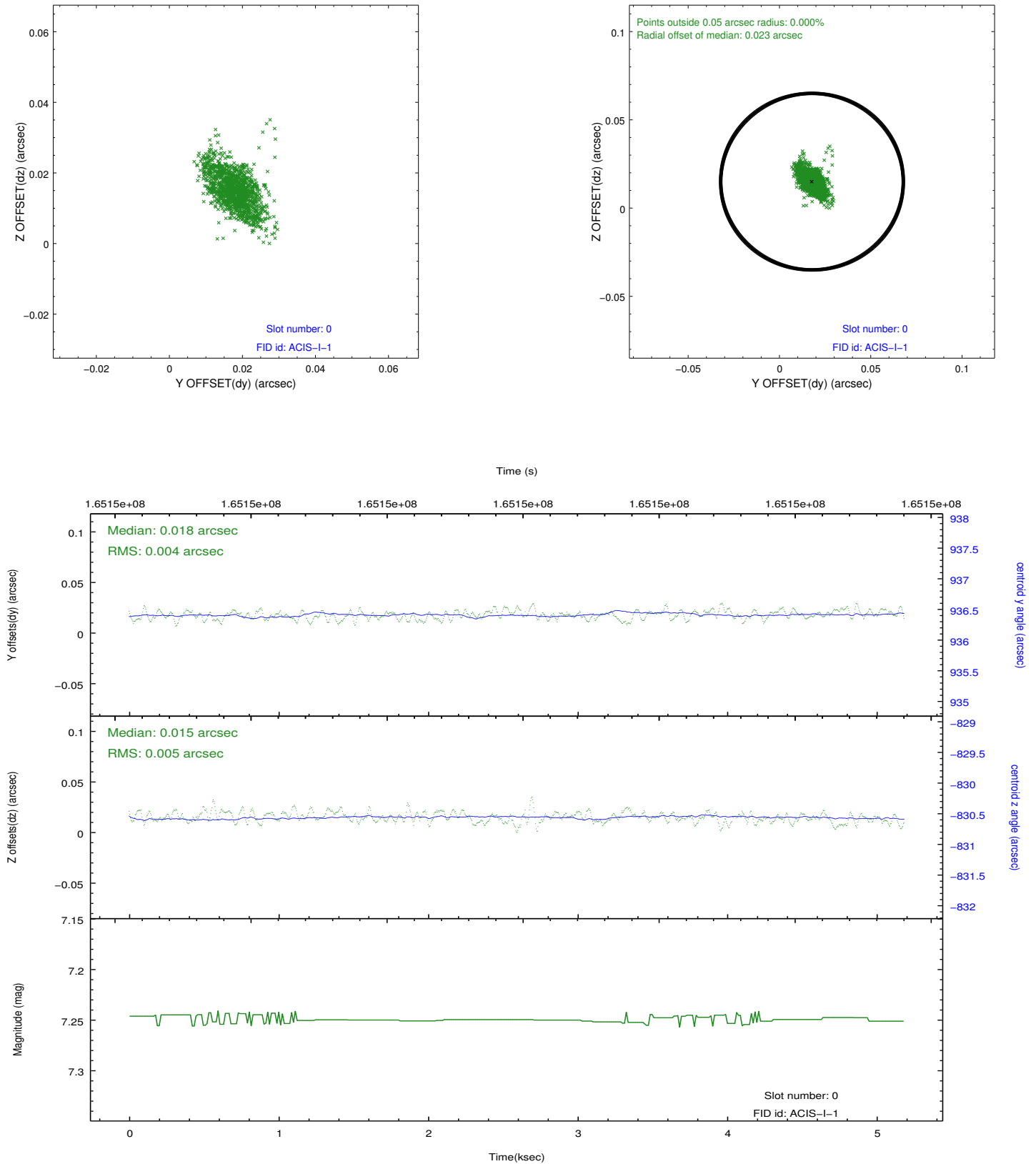


2.4.5 Slot 7

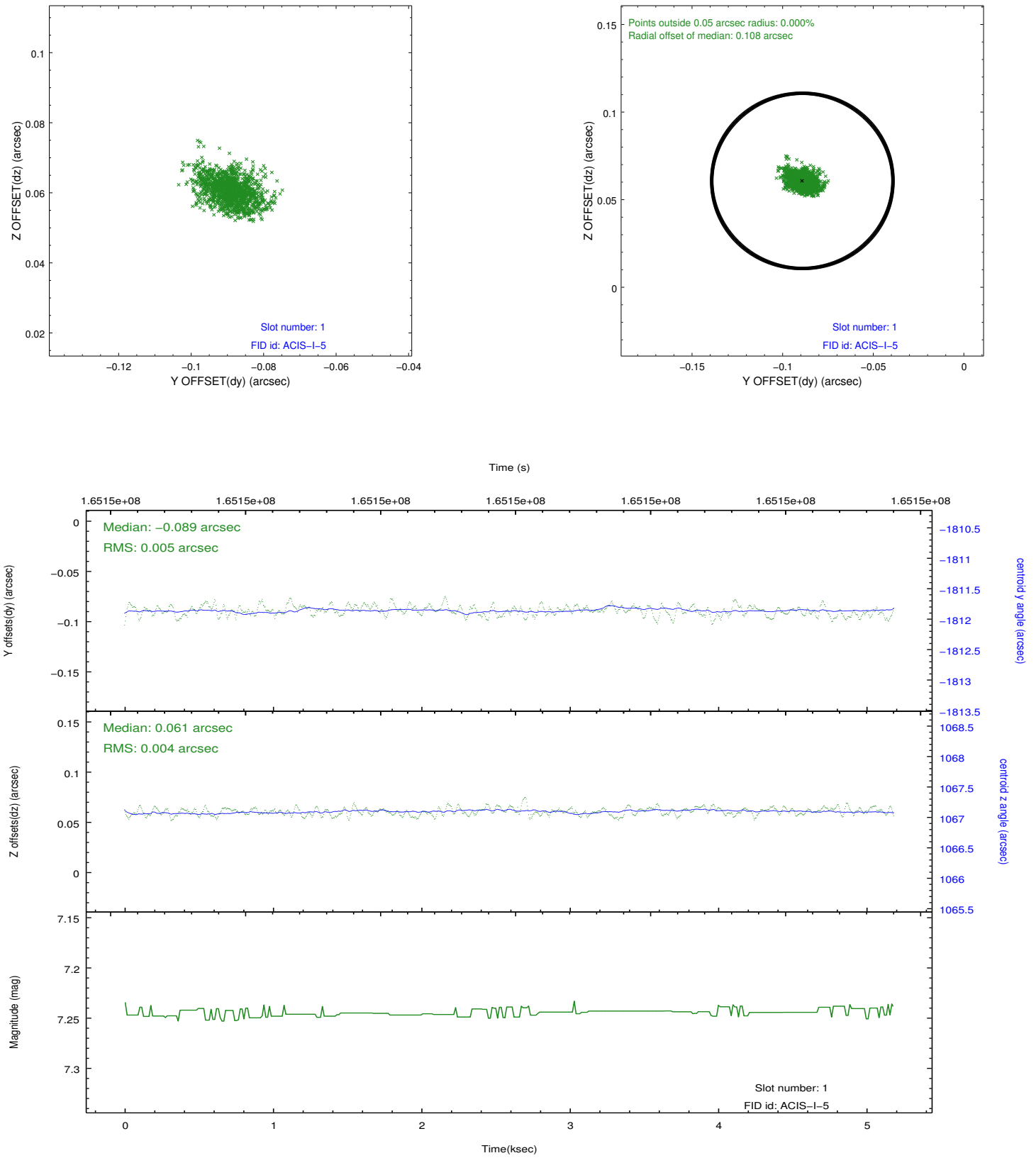


2.5 FID Slots

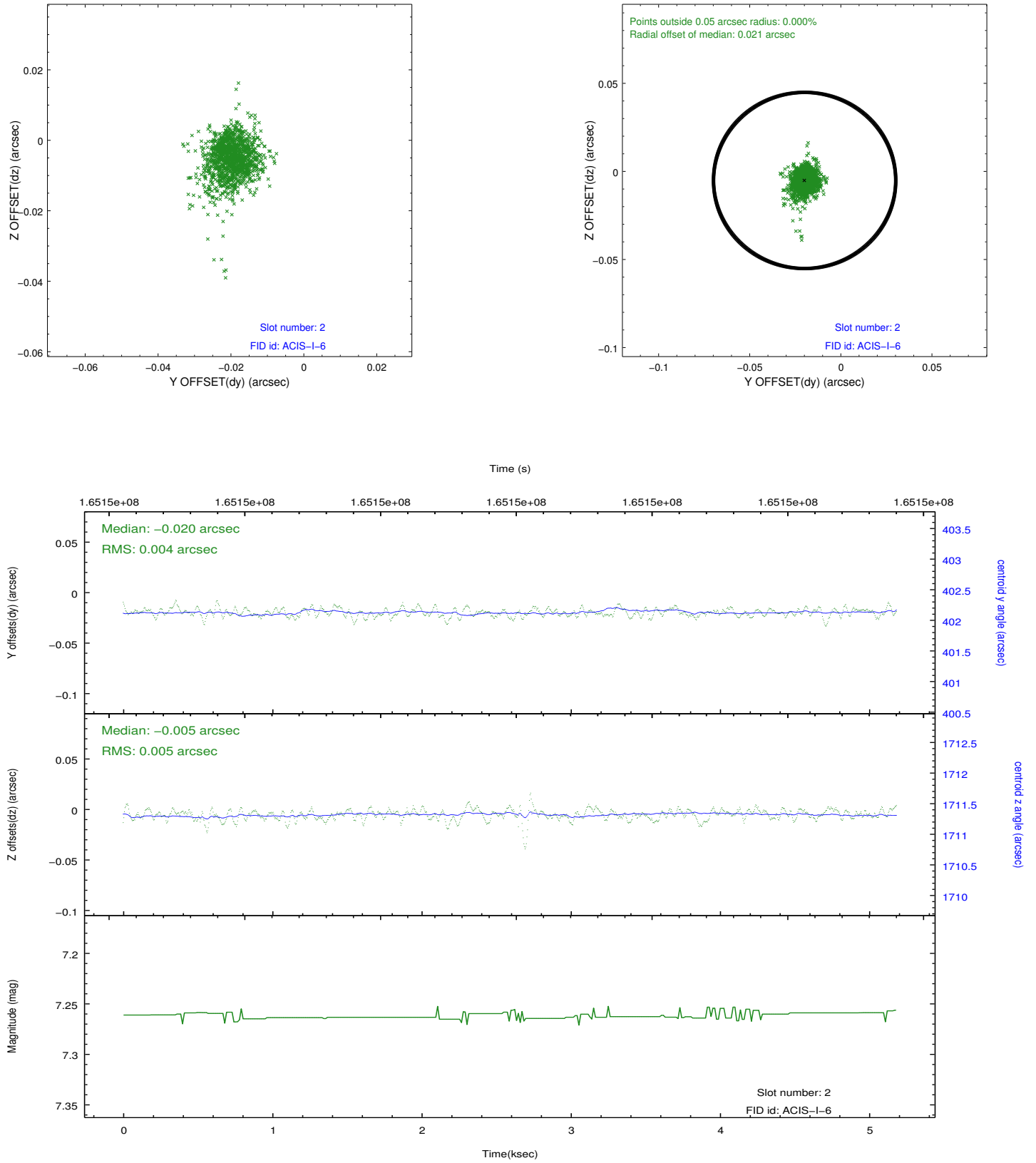
2.5.1 Slot 0



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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.777

A.2 Comments