

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3657 - L2 Version 3
Chandra X-Ray Center

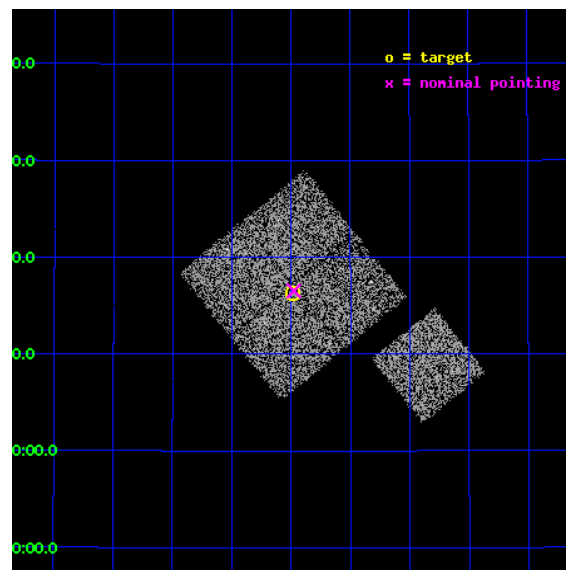
L2 Processing Date : Oct 25 2012

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

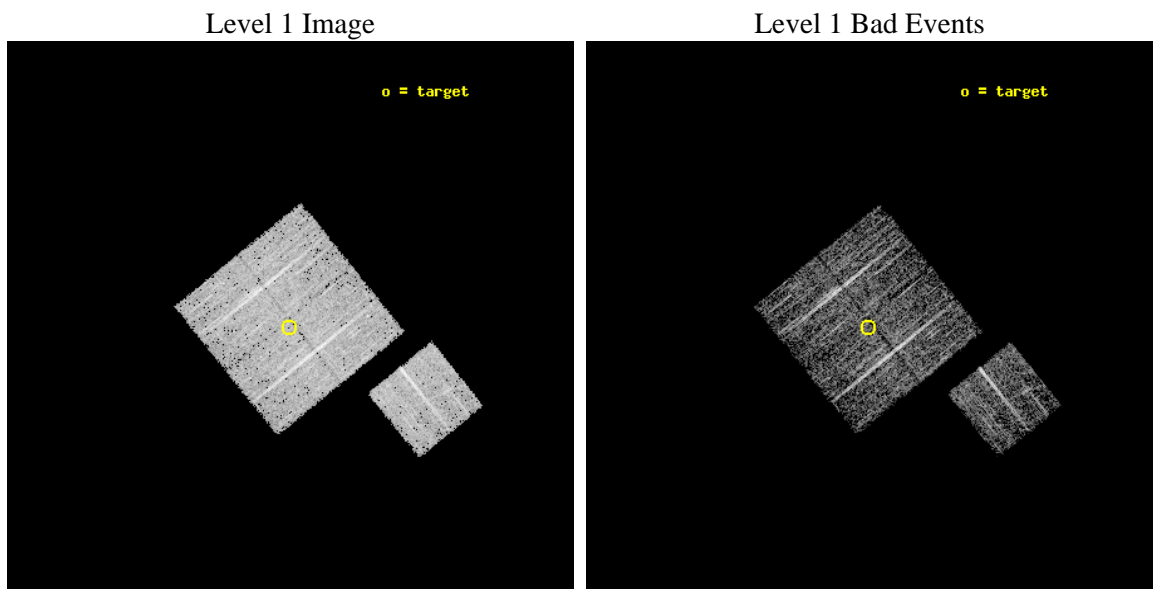
seq_num	900257	Sequence number
obs_id	3657	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F33	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.246914	Observer's specified target RA [deg]
dec_targ	34.271694	Observer's specified target Dec [deg]
ra_nom	218.24424438814	Nominal RA [deg]
dec_nom	34.275841870788	Nominal Dec [deg]
roll_nom	141.01021667603	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4776.842589587	Sum of GTIs [s]
livetime	4714.4296244937	Livetime [s]
ontime0	4776.7194596827	Sum of GTIs [s]
ontime1	4776.760499686	Sum of GTIs [s]
ontime2	4776.8015495837	Sum of GTIs [s]
ontime3	4776.842589587	Sum of GTIs [s]
ontime6	4773.5374593437	Sum of GTIs [s]
l2events	19607	Number of level 2 events



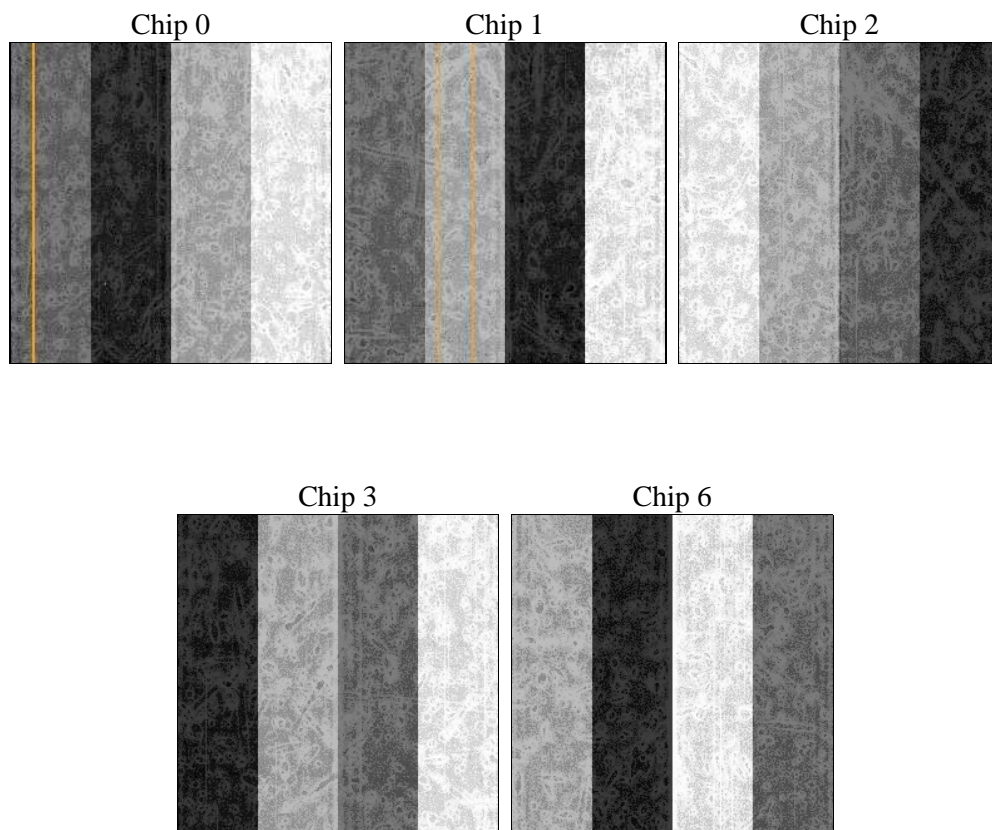
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4776.842589587	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4776.7194596827	Sum of GTIs [s]
date	2012-10-25T23:04:24	Date and time of file creation	ontime1	4776.760499686	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4776.8015495837	Sum of GTIs [s]
			ontime3	4776.842589587	Sum of GTIs [s]
			ontime6	4773.5374593437	Sum of GTIs [s]
			l1events	131208	Number of level 1 events

2.1.4 Events

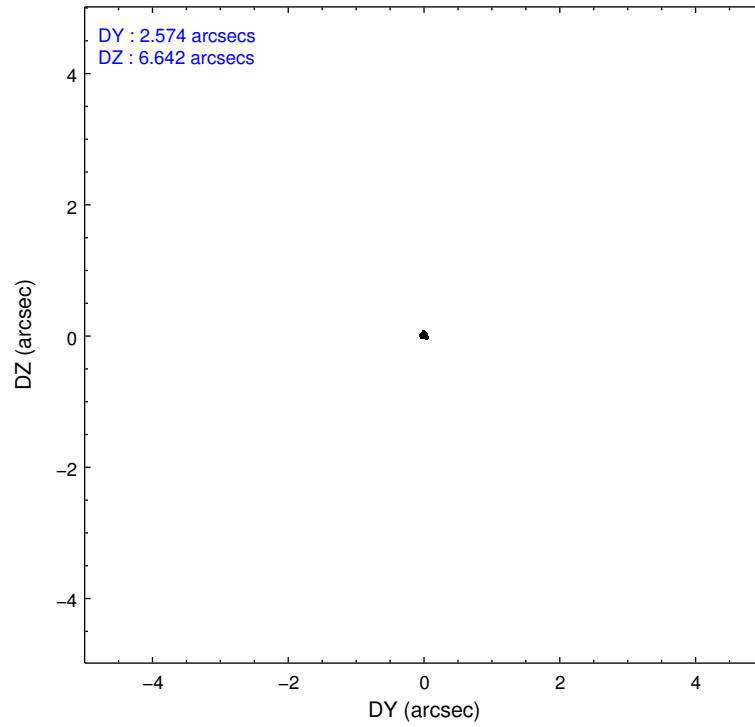
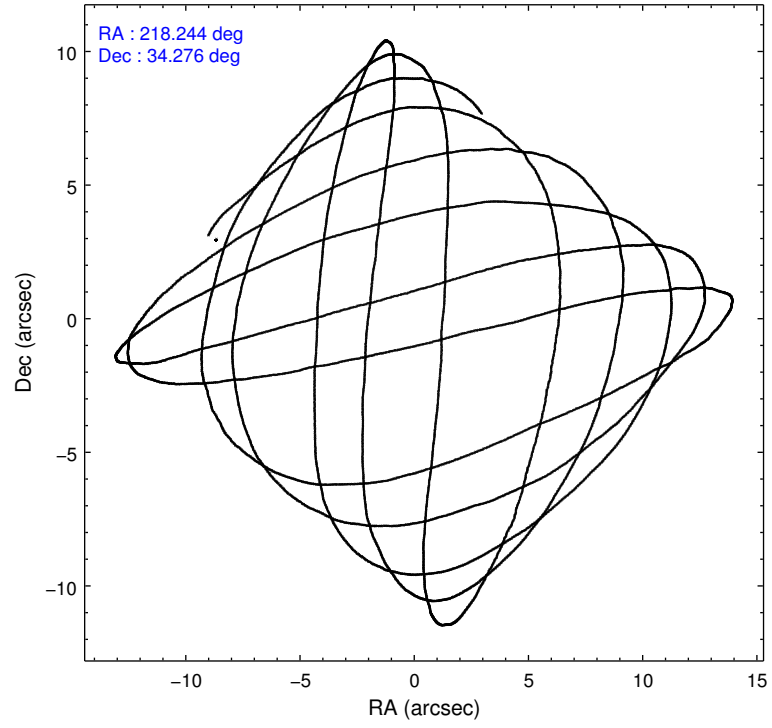
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	25385	26410	27004	26005	26404
rejected events	20925	21783	22731	21755	21690
rejected %	82%	82%	84%	83%	82%

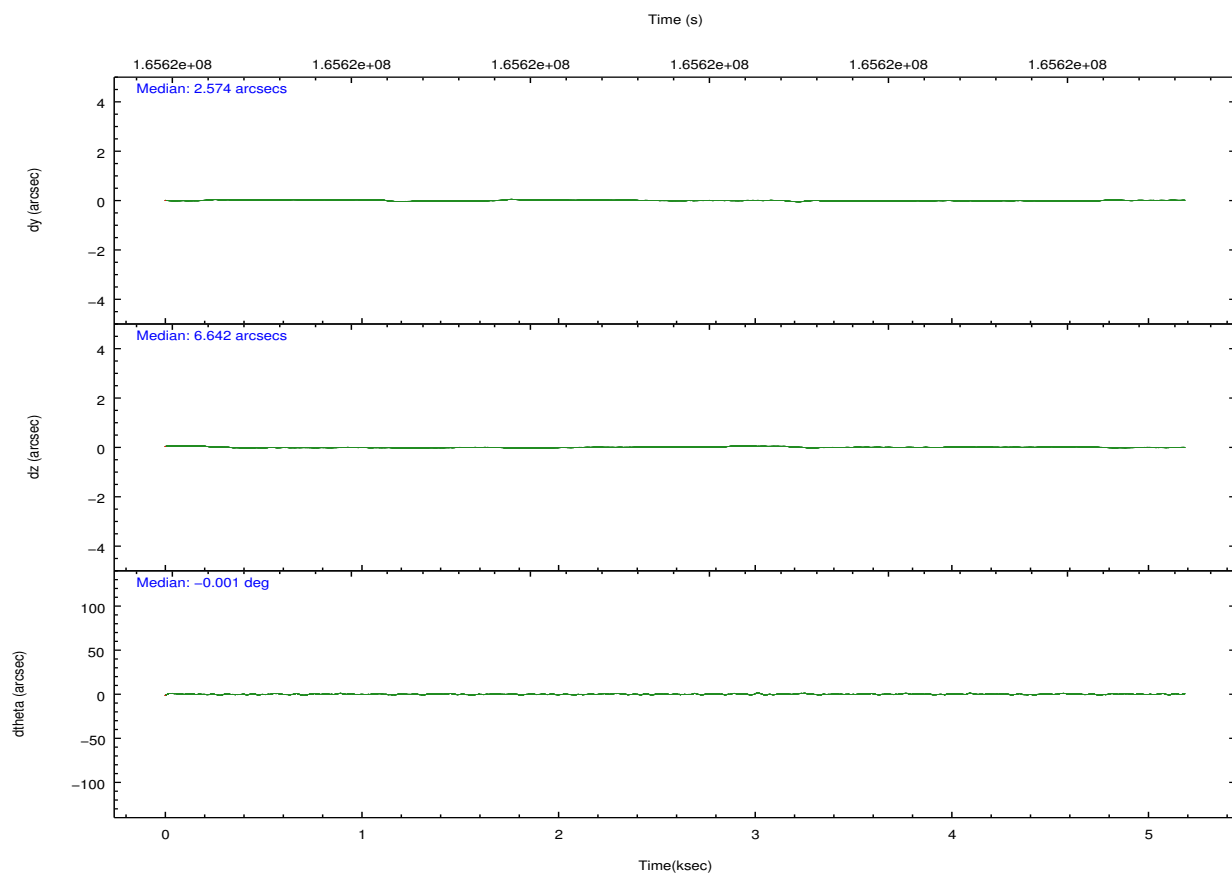
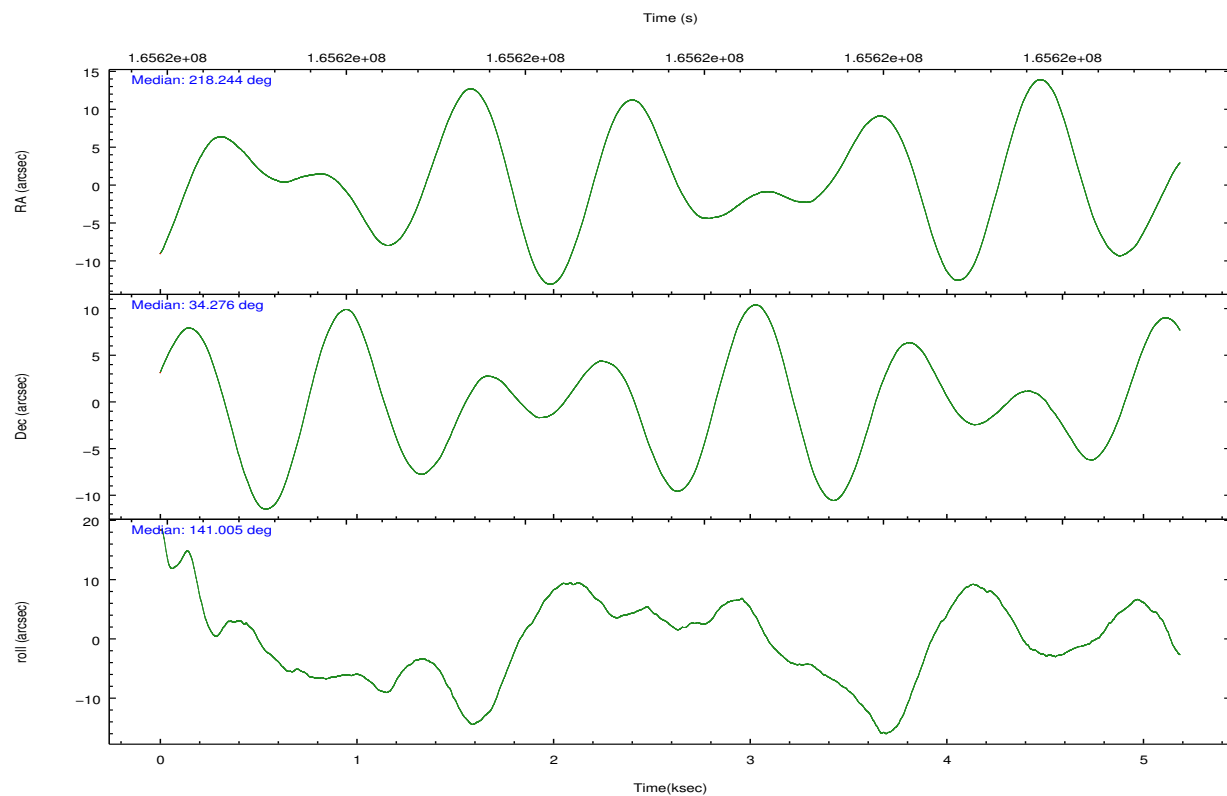
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2191	2229	2275	2140	2399
	8%	8%	8%	8%	9%
grade 1 events	23	7	25	14	14
	0%	0%	0%	0%	0%
grade 2 events	820	807	751	730	804
	3%	3%	2%	2%	3%
grade 3 events	386	417	315	390	357
	1%	1%	1%	1%	1%
grade 4 events	389	372	336	347	350
	1%	1%	1%	1%	1%
grade 5 events	700	799	659	850	772
	2%	3%	2%	3%	2%
grade 6 events	678	803	596	647	805
	2%	3%	2%	2%	3%
grade 7 events	20198	20976	22047	20887	20903
	79%	79%	81%	80%	79%

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	218.277025	218.2442443881437	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.271611	34.27584187078796	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783050	141.0102166760296	[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)	165615403.184000	165615026.8844			
Observation start date	2003-04-01T20:15:39	2003-04-01T20:10:26			
[s] Observation end time (MET)	165620403.184000	165620536.77214			
Observation end date	2003-04-01T21:38:59	2003-04-01T21:42:16			
Read mode	TIMED	TIMED			

2.3 Aspect



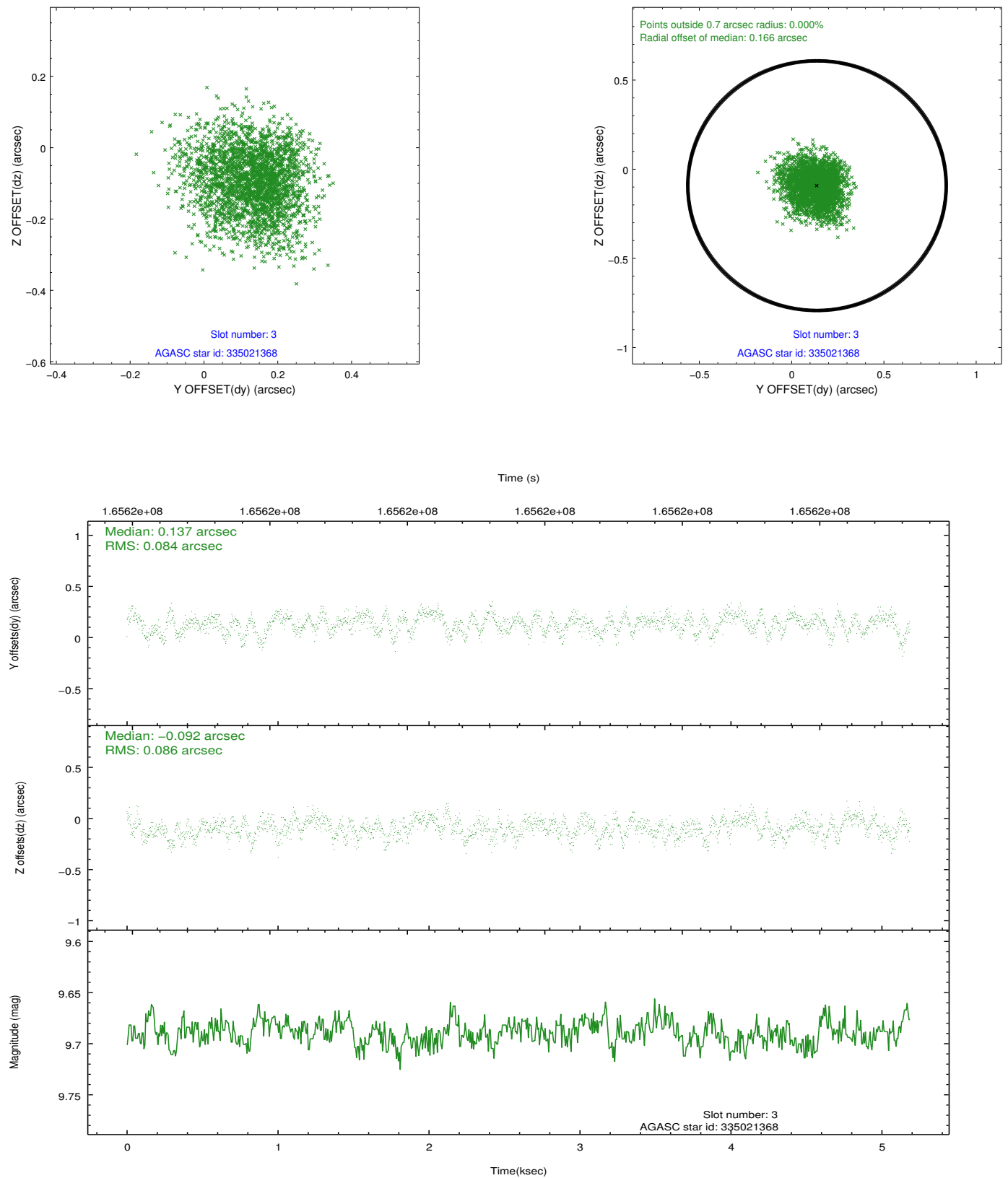


Slot Statistics

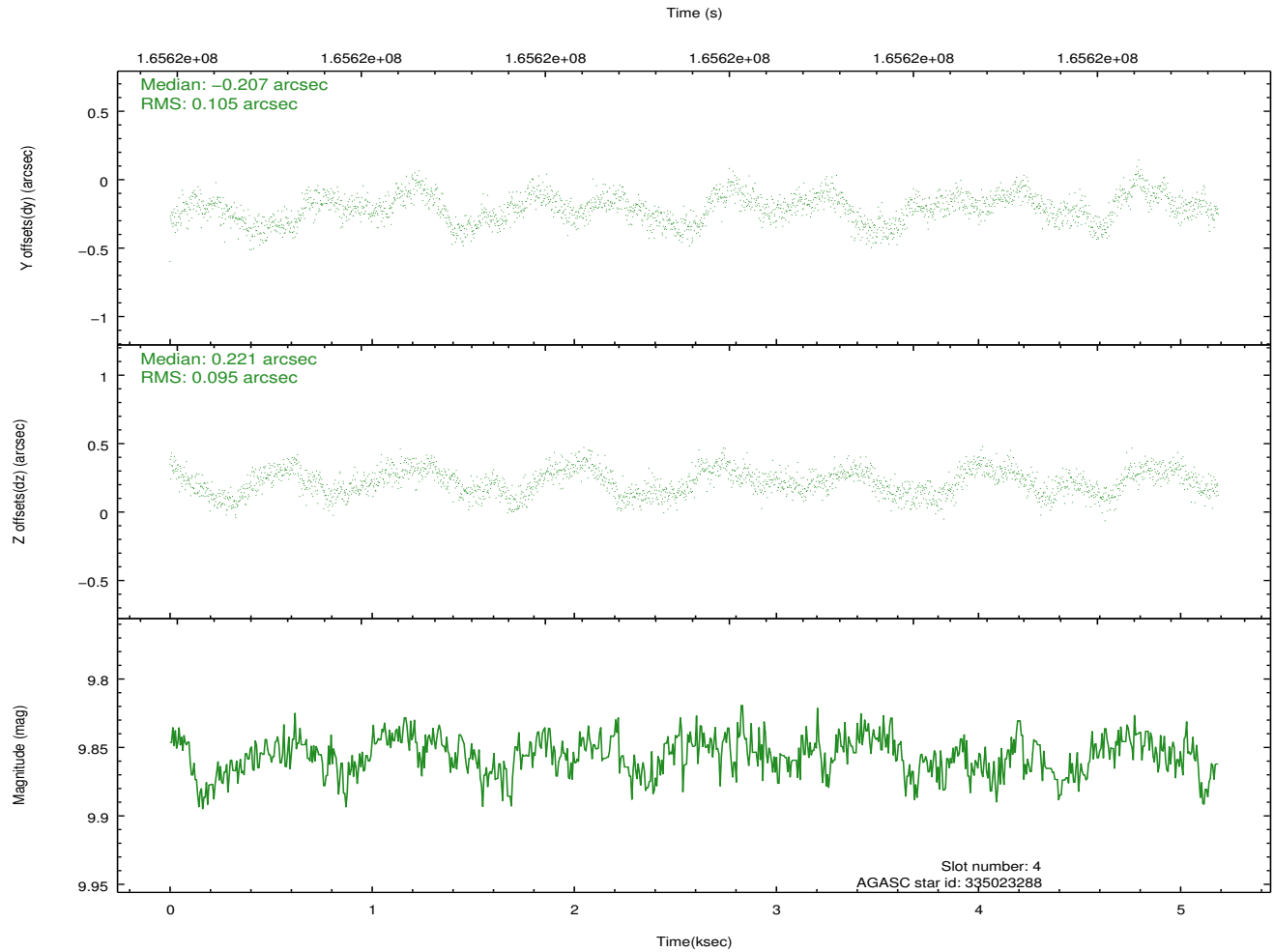
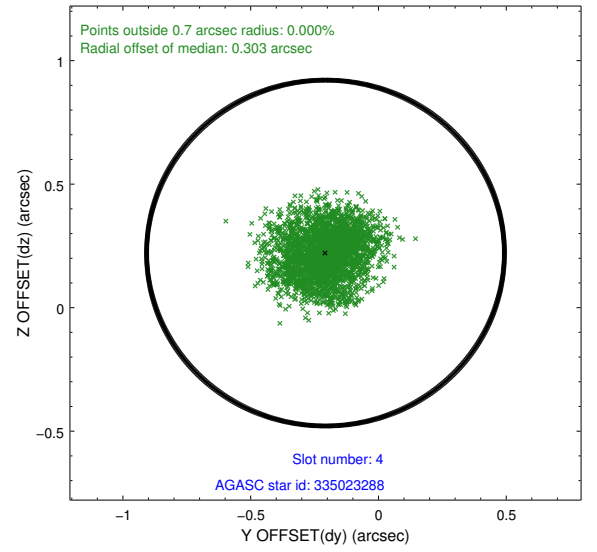
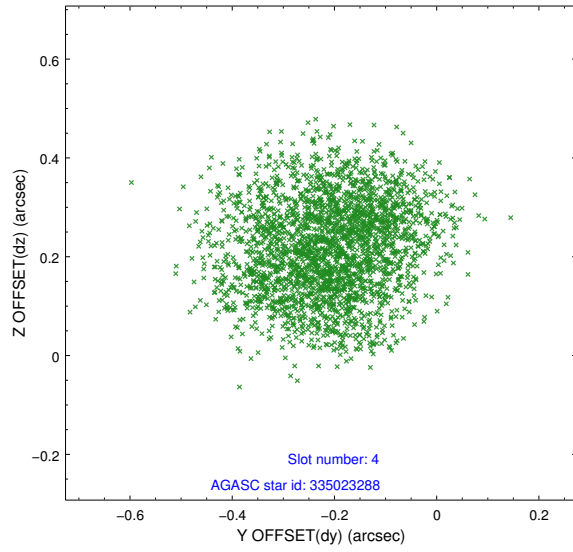
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1266	0.015	-0.008	0.006	0.011	0.000000	0.000000	937.23	-830.05
1	FID	ACIS-I-5	7.24	1266	-0.083	0.053	0.006	0.011	0.000000	0.000000	-1810.29	1066.97
2	FID	ACIS-I-6	7.26	1266	-0.022	0.025	0.006	0.010	0.000000	0.000000	401.52	1712.72
3	GUIDE	335021368	9.69	2525	0.137	-0.092	0.130	0.207	217.529643	33.934817	968.18	2344.61
4	GUIDE	335023288	9.86	2529	-0.207	0.221	0.156	0.234	217.791365	34.425735	1470.59	480.75
5	GUIDE	335023304	8.41	2531	-0.146	-0.056	0.075	0.120	218.883608	34.686545	-442.58	-2296.46
6	GUIDE	335025040	9.93	2530	0.117	0.037	0.116	0.190	218.601670	34.305240	-670.30	-706.11
7	GUIDE	335020984	9.93	2449	0.113	-0.105	0.160	0.253	218.841668	33.815112	-2344.08	201.29

2.4 Star Slots

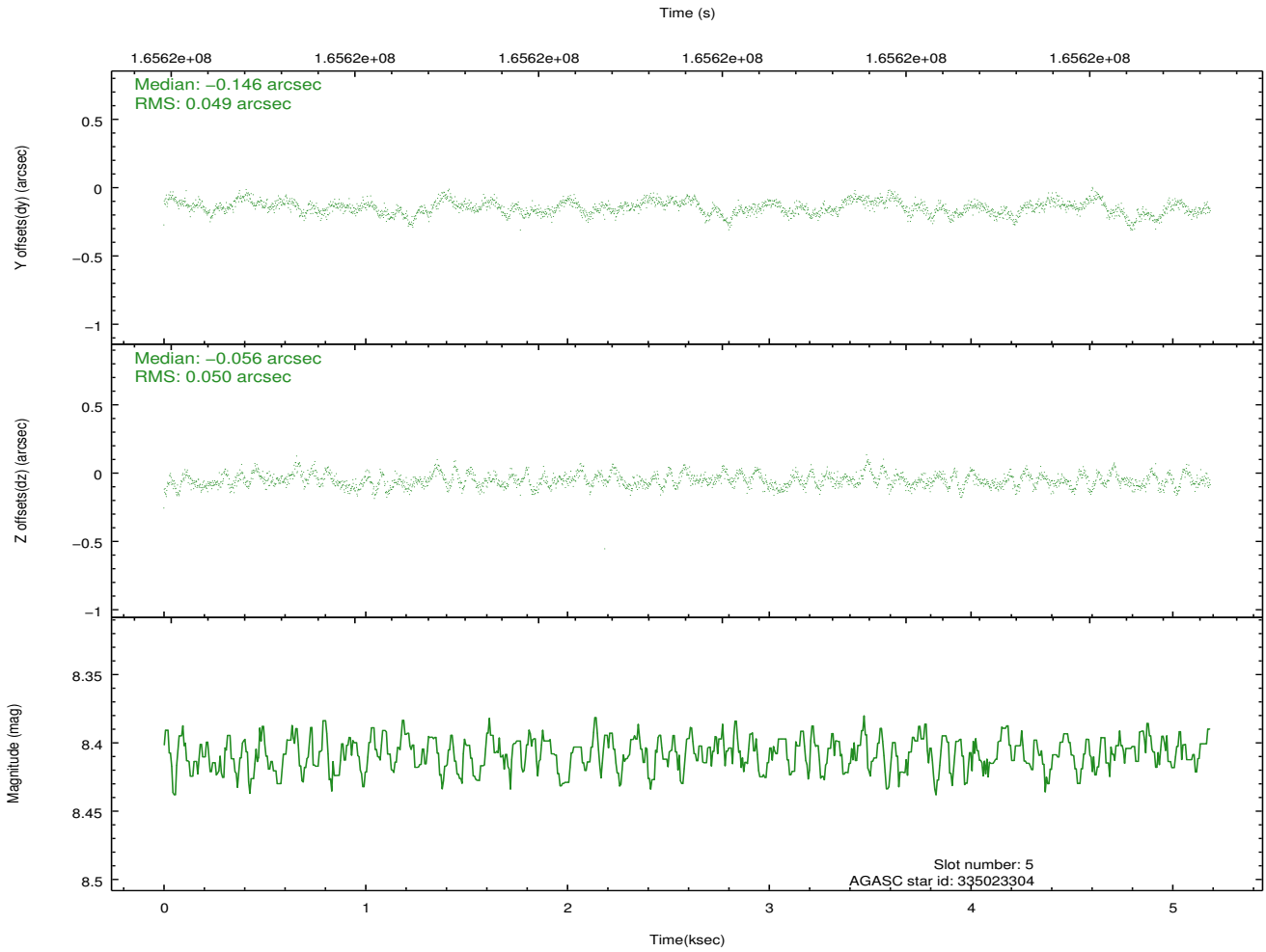
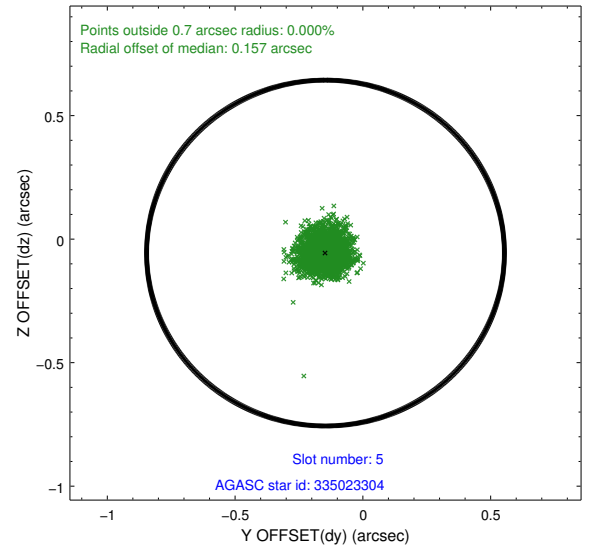
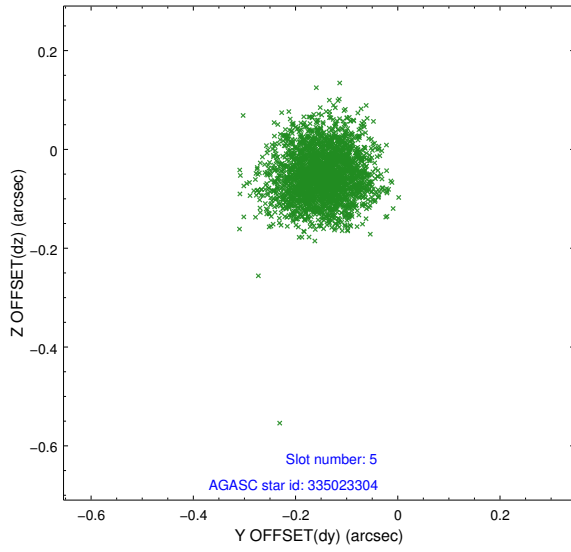
2.4.1 Slot 3



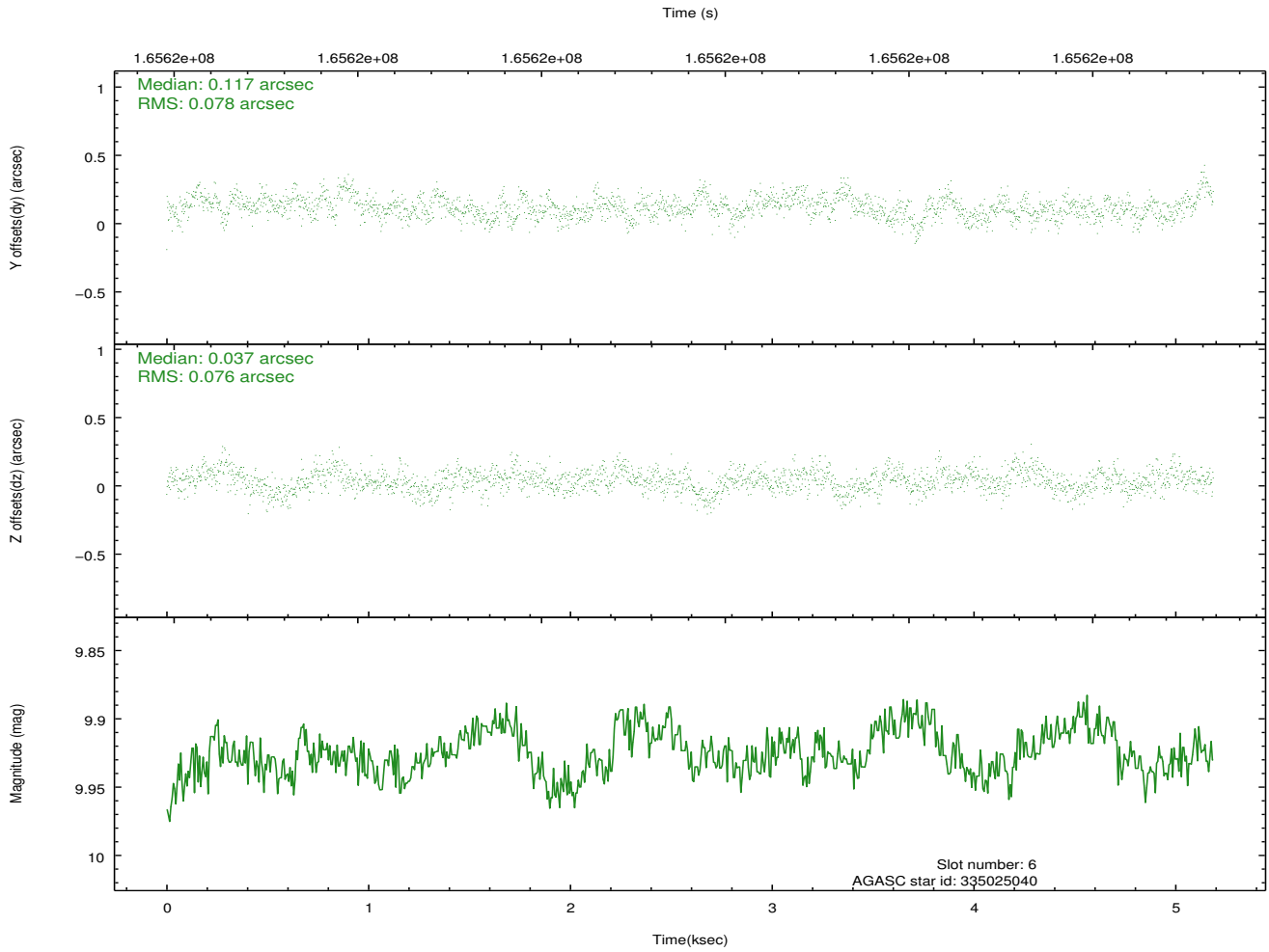
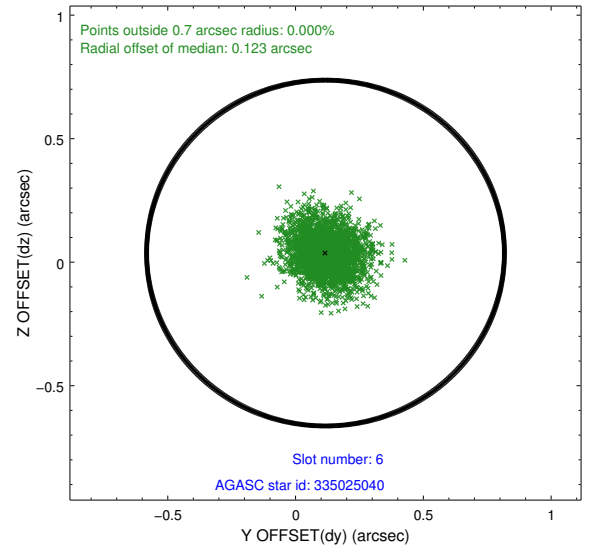
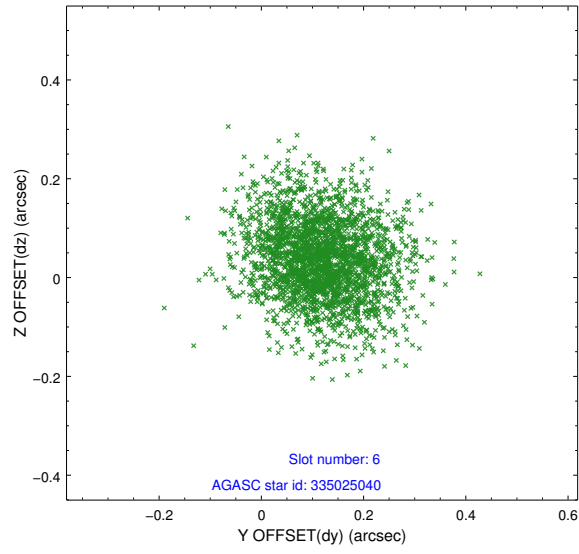
2.4.2 Slot 4



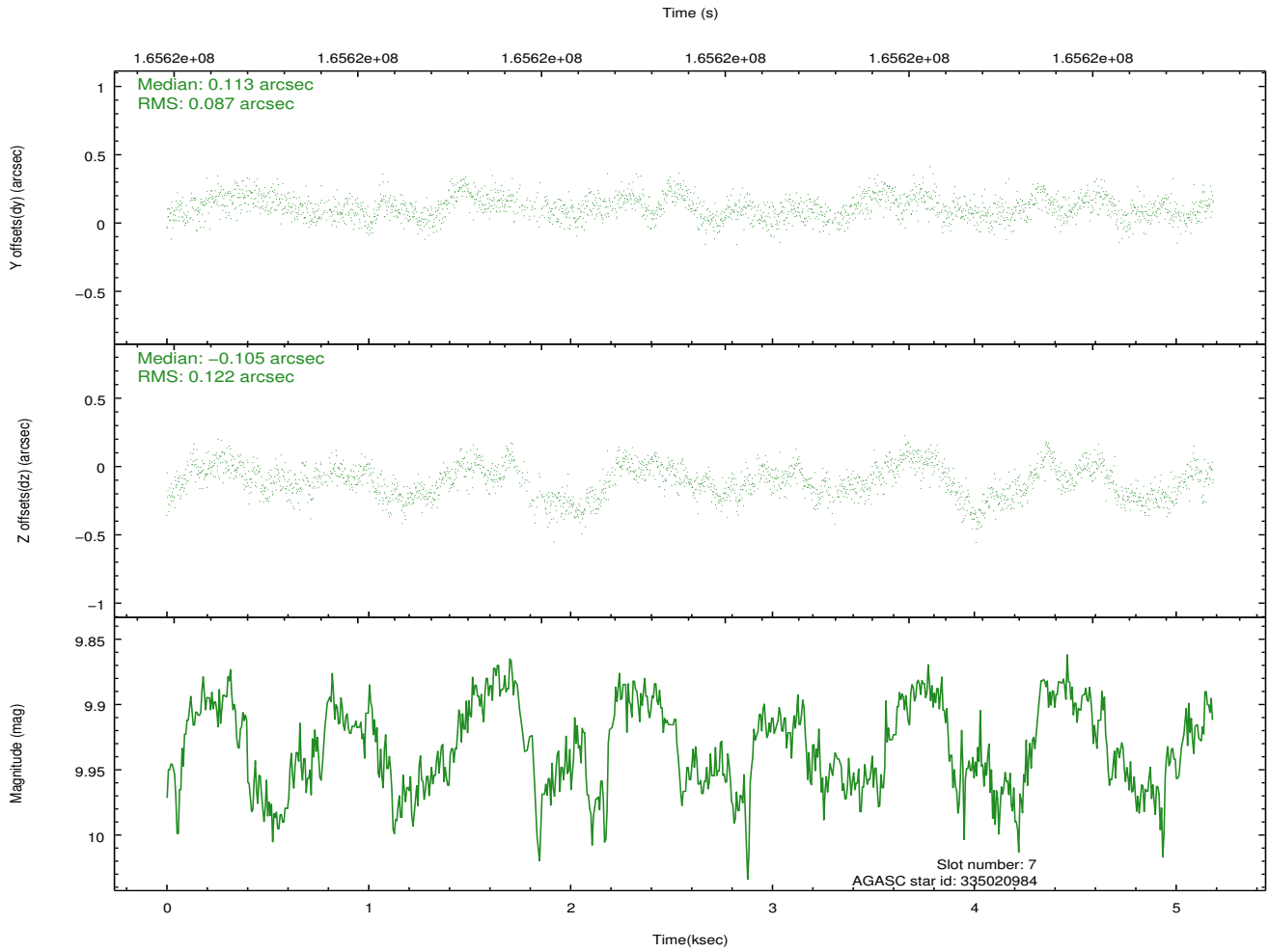
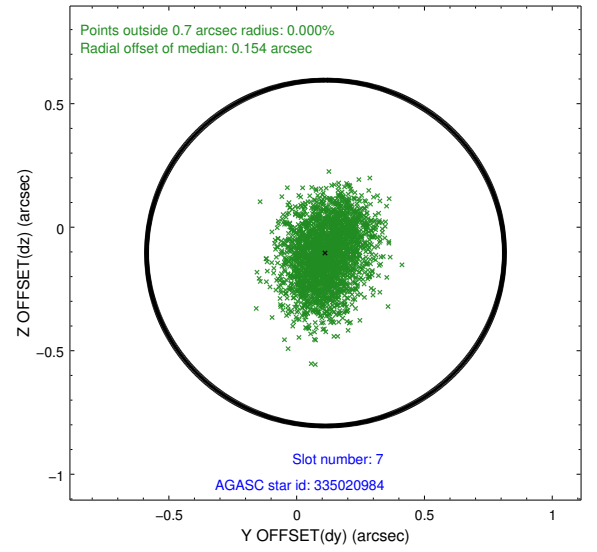
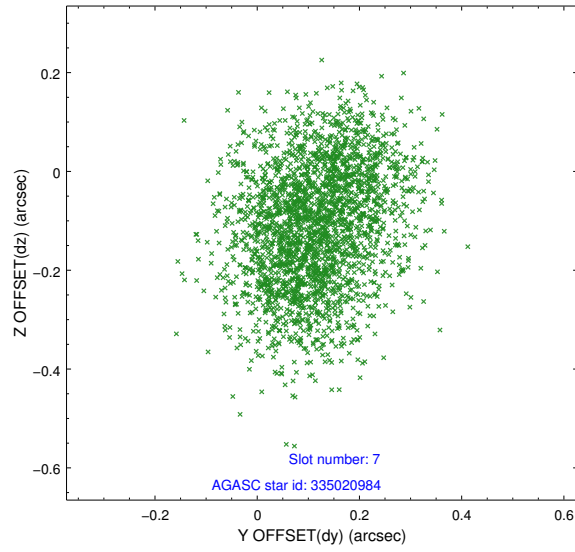
2.4.3 Slot 5



2.4.4 Slot 6

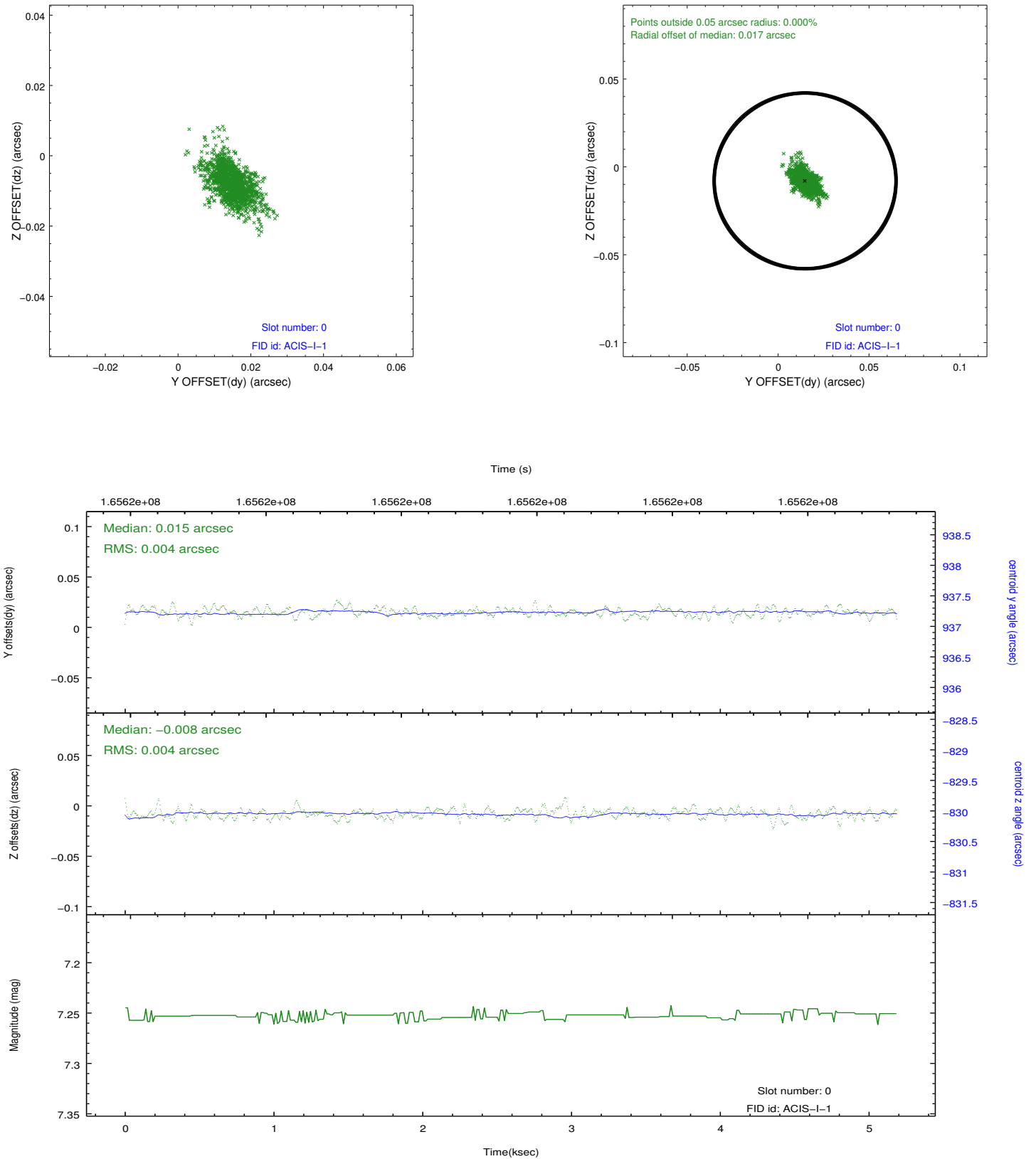


2.4.5 Slot 7

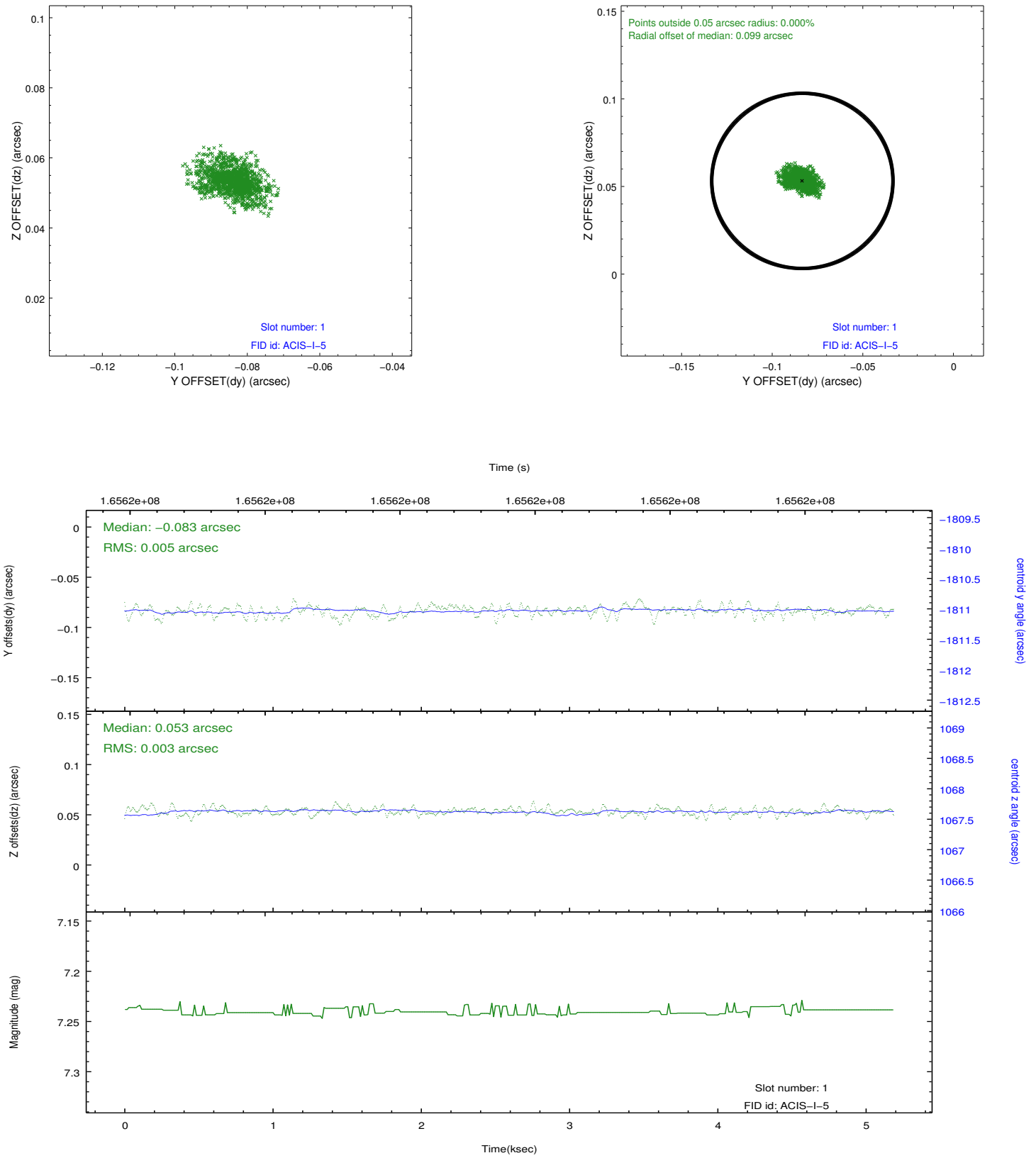


2.5 FID Slots

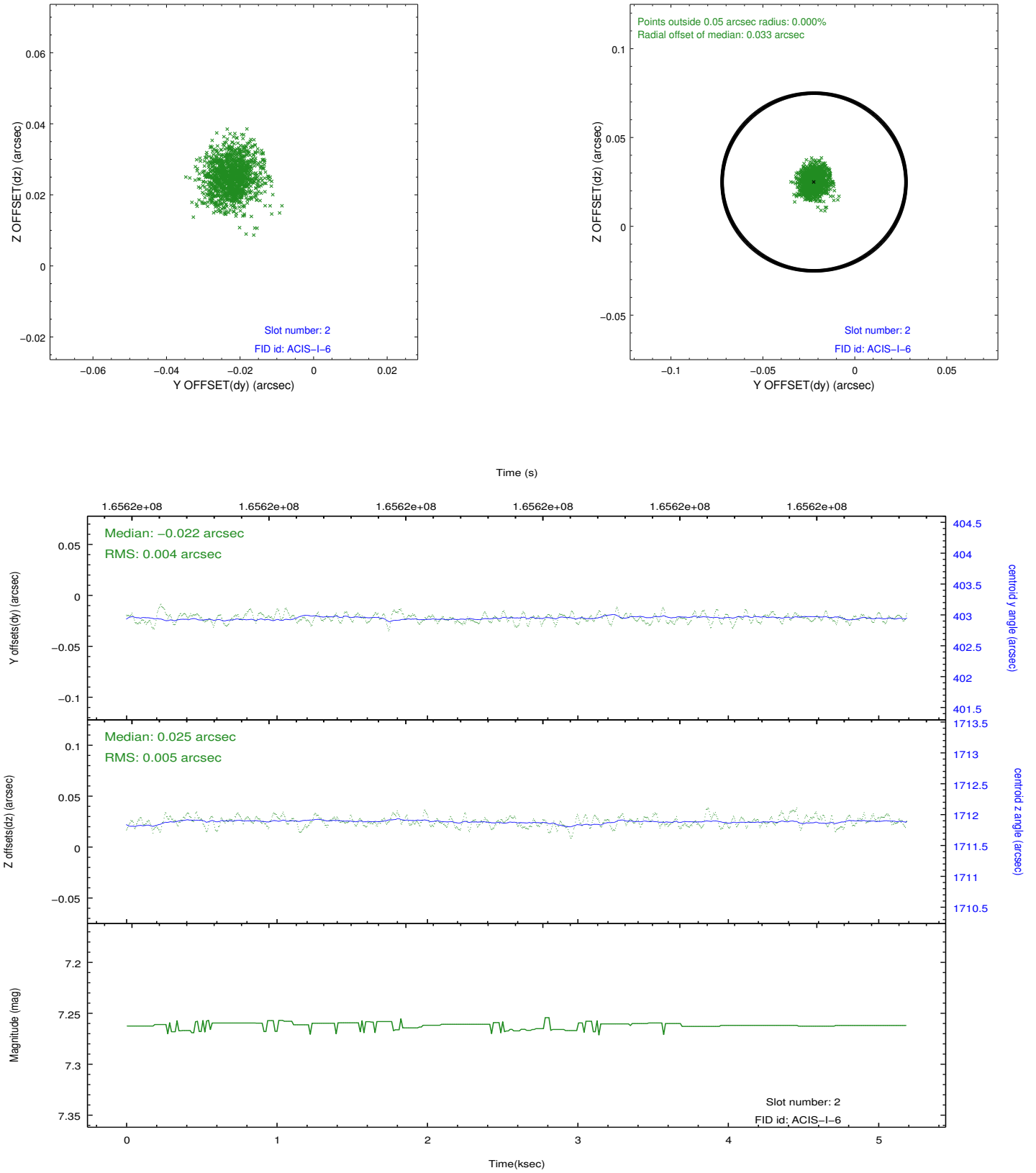
2.5.1 Slot 0



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)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.777

A.2 Comments