

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3614 - L2 Version 3
Chandra X-Ray Center

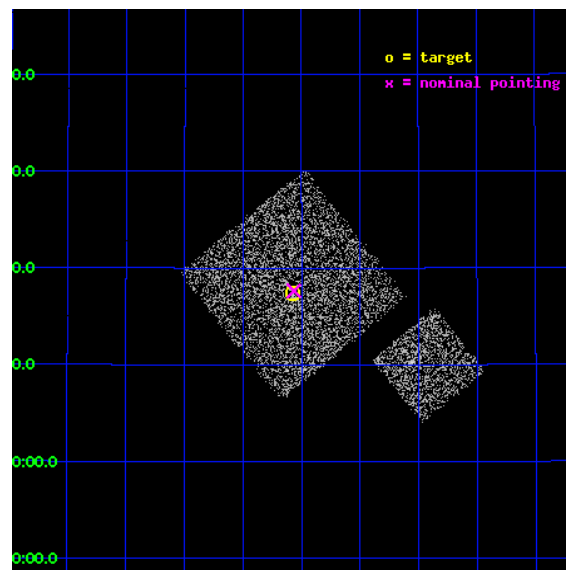
L2 Processing Date : Oct 25 2012

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1 Front

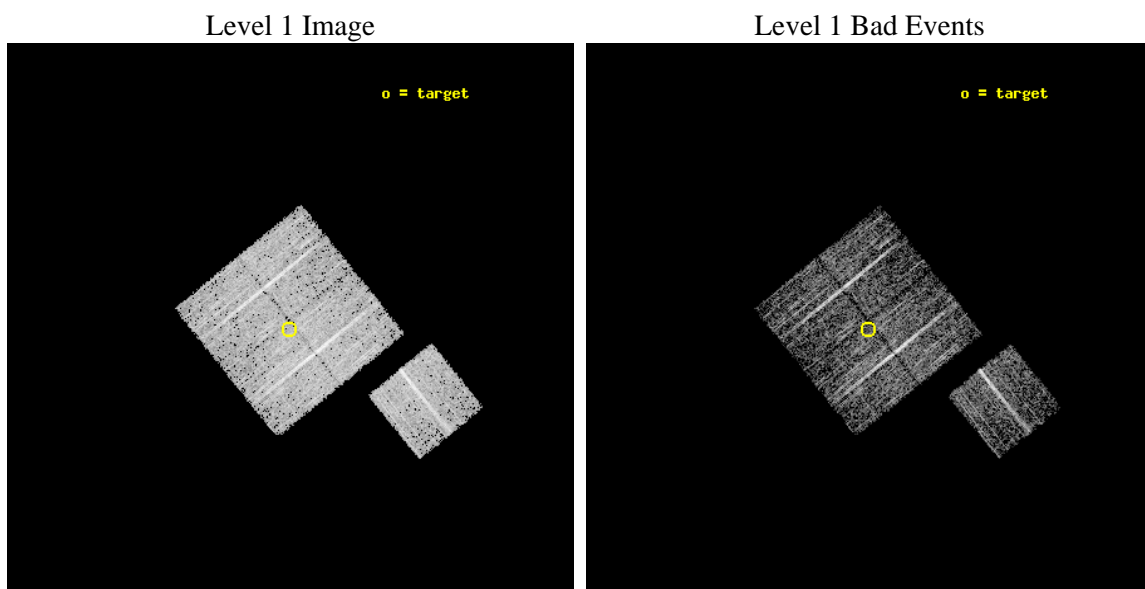
seq_num	900214	Sequence number
obs_id	3614	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F59	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.893848	Observer's specified target RA [deg]
dec_targ	35.290164	Observer's specified target Dec [deg]
ra_nom	218.89118316282	Nominal RA [deg]
dec_nom	35.294228134928	Nominal Dec [deg]
roll_nom	141.01023113431	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4770.5192798376	Sum of GTIs [s]
livetime	4708.1889334413	Livetime [s]
ontime0	4776.6781700253	Sum of GTIs [s]
ontime1	4776.7191901505	Sum of GTIs [s]
ontime2	4773.6192798316	Sum of GTIs [s]
ontime3	4770.5192798376	Sum of GTIs [s]
ontime6	4773.496139884	Sum of GTIs [s]
l2events	9663	Number of level 2 events



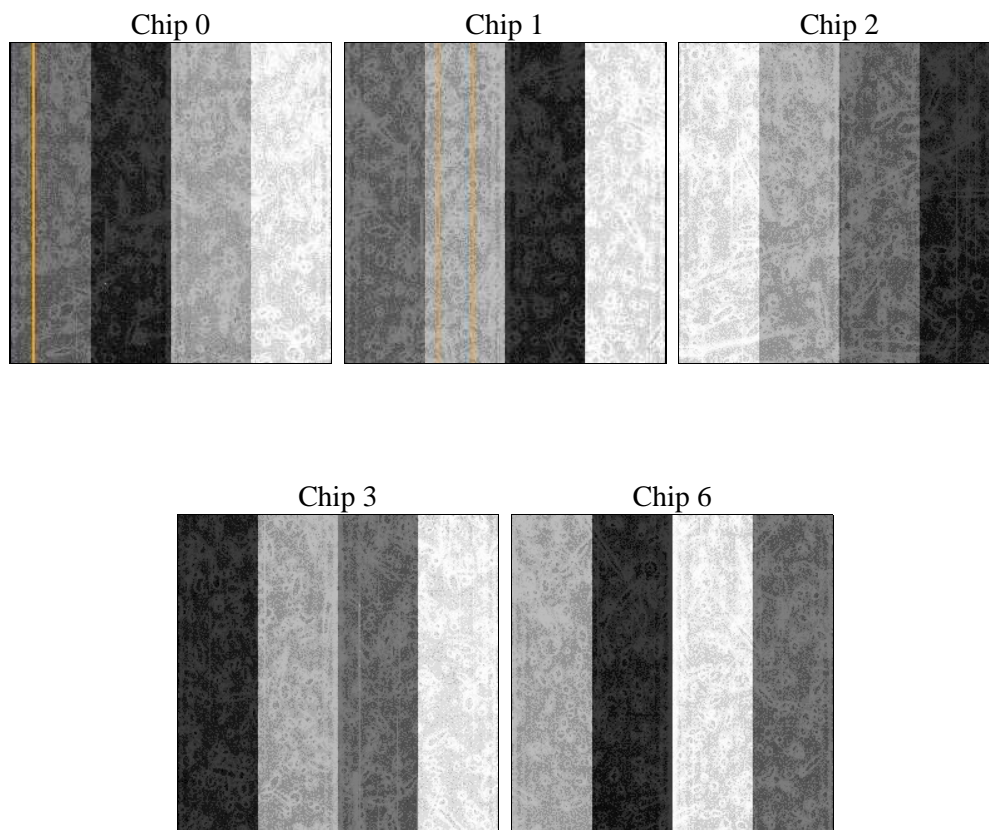
2 OBI

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	4770.5192798376	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4776.6781700253	Sum of GTIs [s]
date	2012-10-25T23:42:53	Date and time of file creation	ontime1	4776.7191901505	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4773.6192798316	Sum of GTIs [s]
			ontime3	4770.5192798376	Sum of GTIs [s]
			ontime6	4773.496139884	Sum of GTIs [s]
			l1events	119946	Number of level 1 events

2.1.4 Events

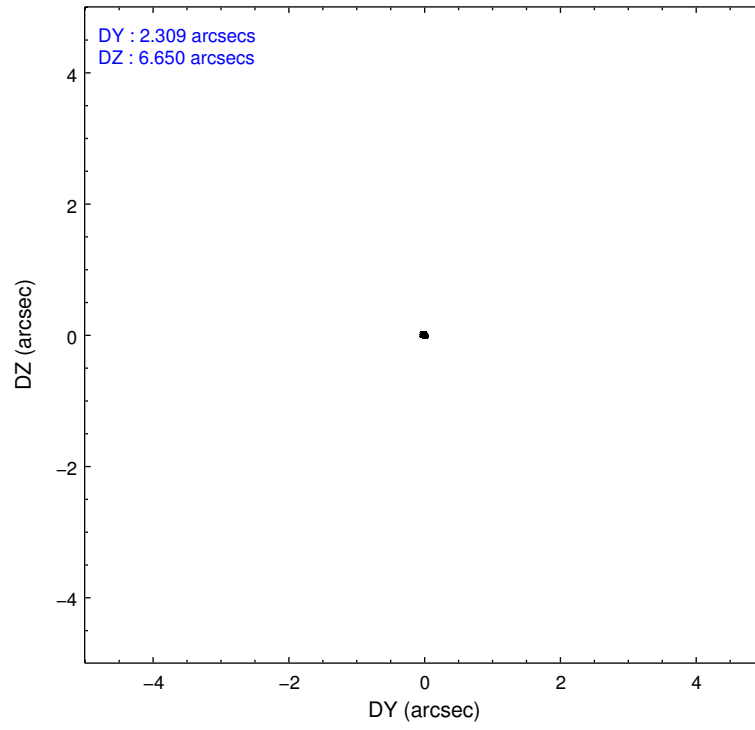
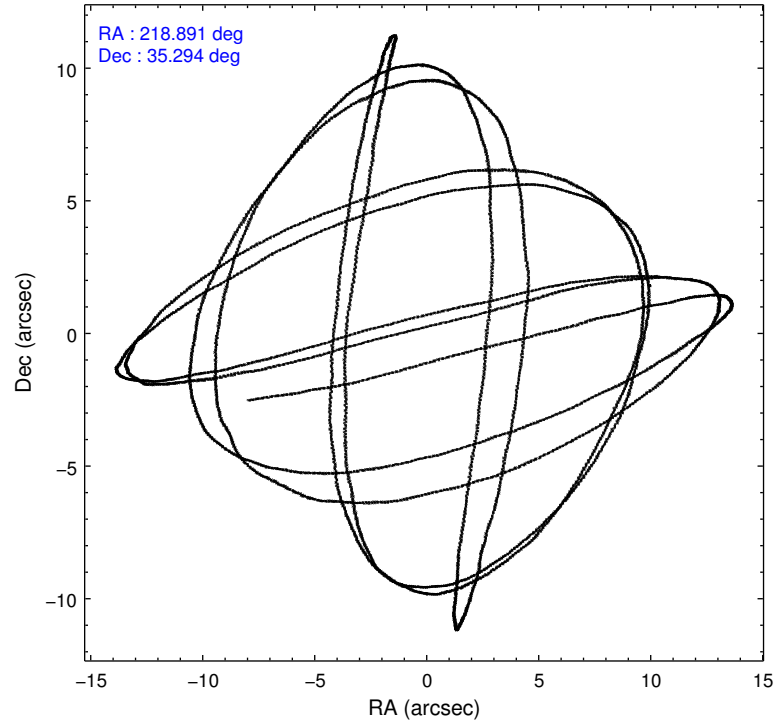
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	22773	22460	26003	25040	23670
rejected events	20389	20022	23717	22795	21237
rejected %	89%	89%	91%	91%	89%

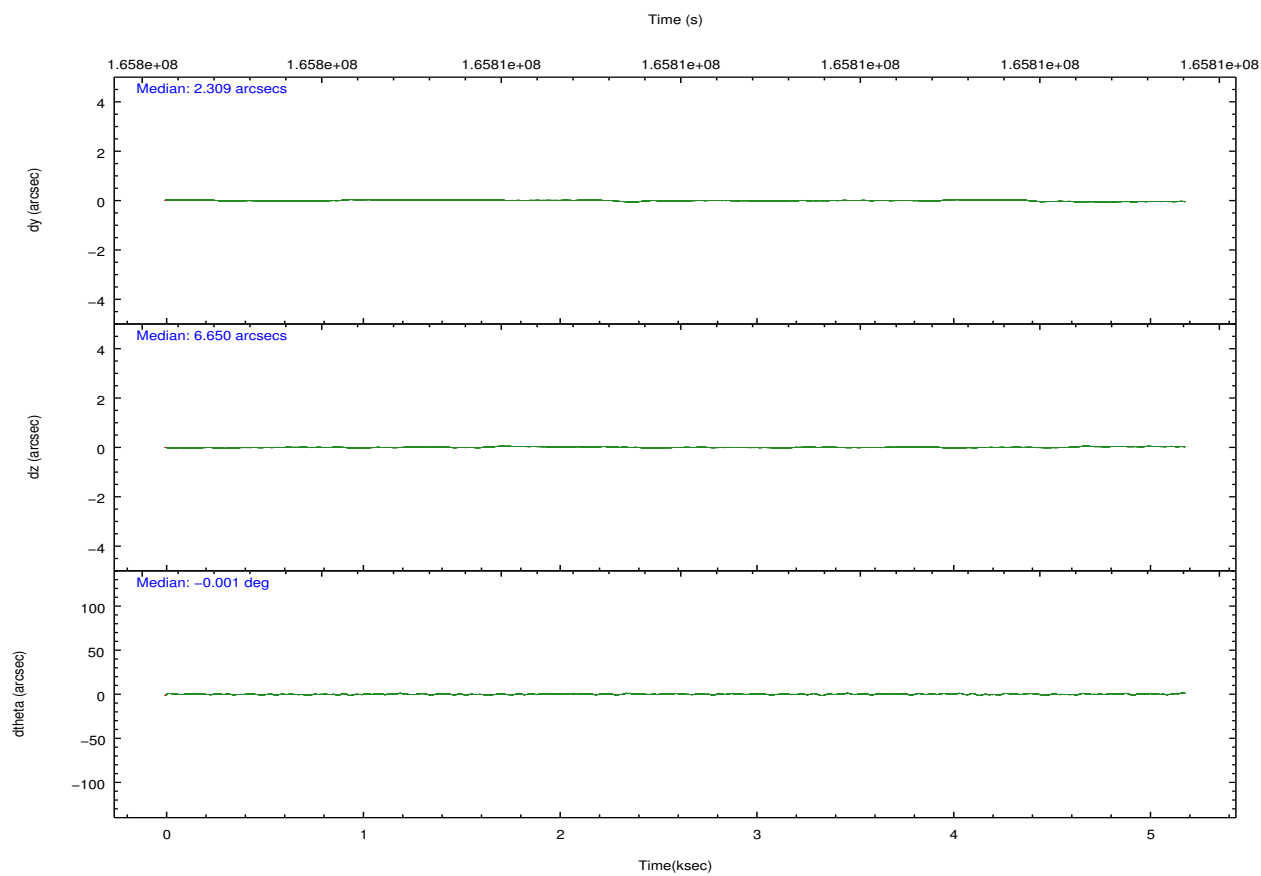
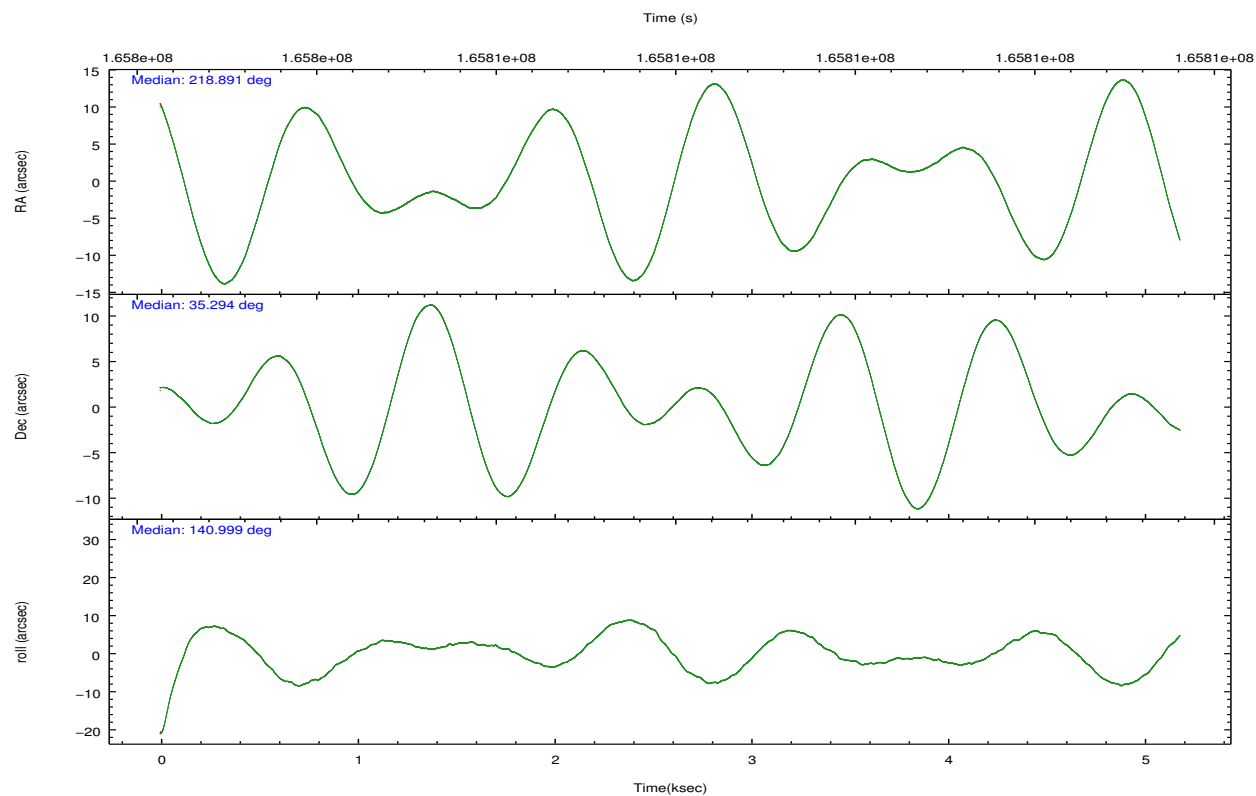
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	842	859	853	835	915
	3%	3%	3%	3%	3%
grade 1 events	12	9	11	7	10
	0%	0%	0%	0%	0%
grade 2 events	594	495	508	457	497
	2%	2%	1%	1%	2%
grade 3 events	279	280	282	269	259
	1%	1%	1%	1%	1%
grade 4 events	218	324	235	274	306
	0%	1%	0%	1%	1%
grade 5 events	653	759	707	823	751
	2%	3%	2%	3%	3%
grade 6 events	451	481	409	412	457
	1%	2%	1%	1%	1%
grade 7 events	19724	19253	22998	21963	20475
	86%	85%	88%	87%	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	218.924333	218.8911831628224	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.290088	35.29422813492771	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782389	141.0102311343069	[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)	165804560.184000	165804184.49238			
Observation start date	2003-04-04T00:48:16	2003-04-04T00:43:04			
[s] Observation end time (MET)	165809560.184000	165809694.38012			
Observation end date	2003-04-04T02:11:36	2003-04-04T02:14:54			
Read mode	TIMED	TIMED			

2.3 Aspect



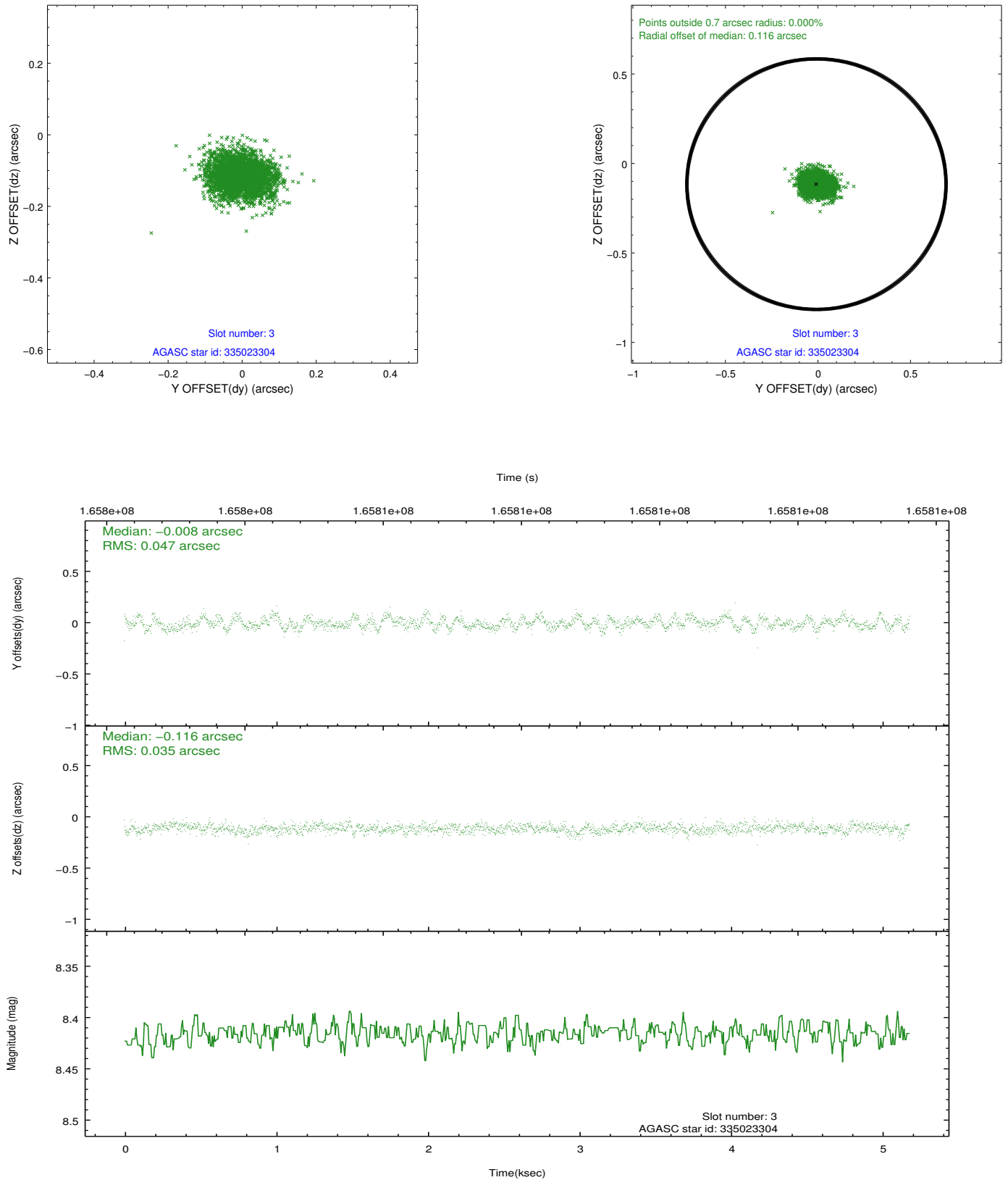


Slot Statistics

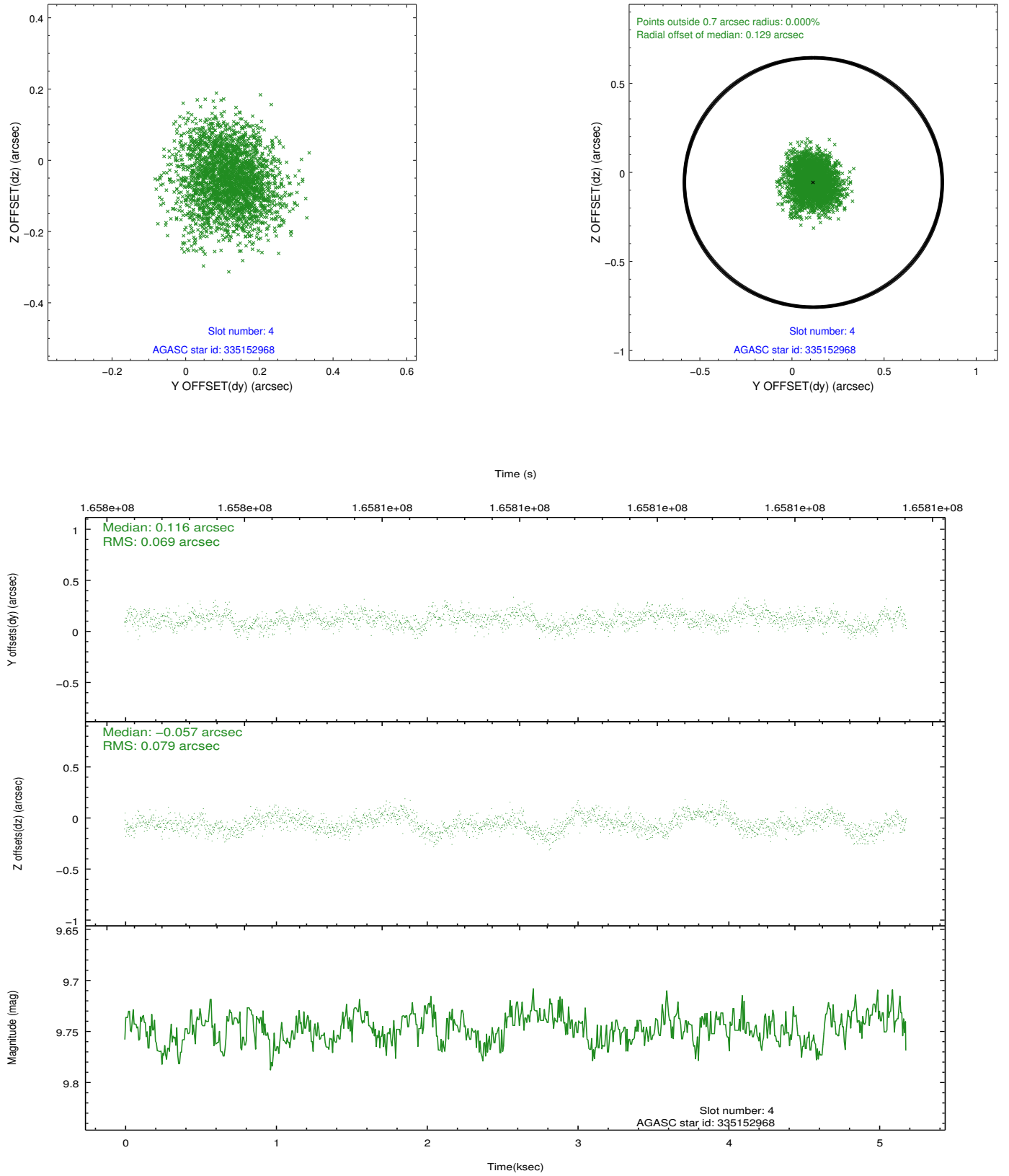
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1265	0.011	-0.005	0.006	0.010	0.000000	0.000000	937.50	-830.06
1	FID	ACIS-I-5	7.24	1263	-0.078	0.052	0.006	0.010	0.000000	0.000000	-1810.00	1066.96
2	FID	ACIS-I-6	7.26	1264	-0.025	0.023	0.006	0.010	0.000000	0.000000	401.80	1712.72
3	GUIDE	335023304	8.42	2528	-0.008	-0.116	0.063	0.101	218.883608	34.686545	-1280.63	1759.66
4	GUIDE	335152968	9.75	2527	0.116	-0.057	0.113	0.182	219.446087	34.867883	-2152.91	200.81
5	GUIDE	335414336	8.95	2526	-0.054	-0.042	0.075	0.127	218.979022	35.090910	-579.05	454.03
6	GUIDE	335549864	7.53	2528	-0.091	0.119	0.091	0.139	219.286726	35.929745	638.99	-2452.64
7	GUIDE	335546608	10.06	2523	0.033	0.087	0.110	0.185	219.906522	35.245587	-2328.83	-1713.67

2.4 Star Slots

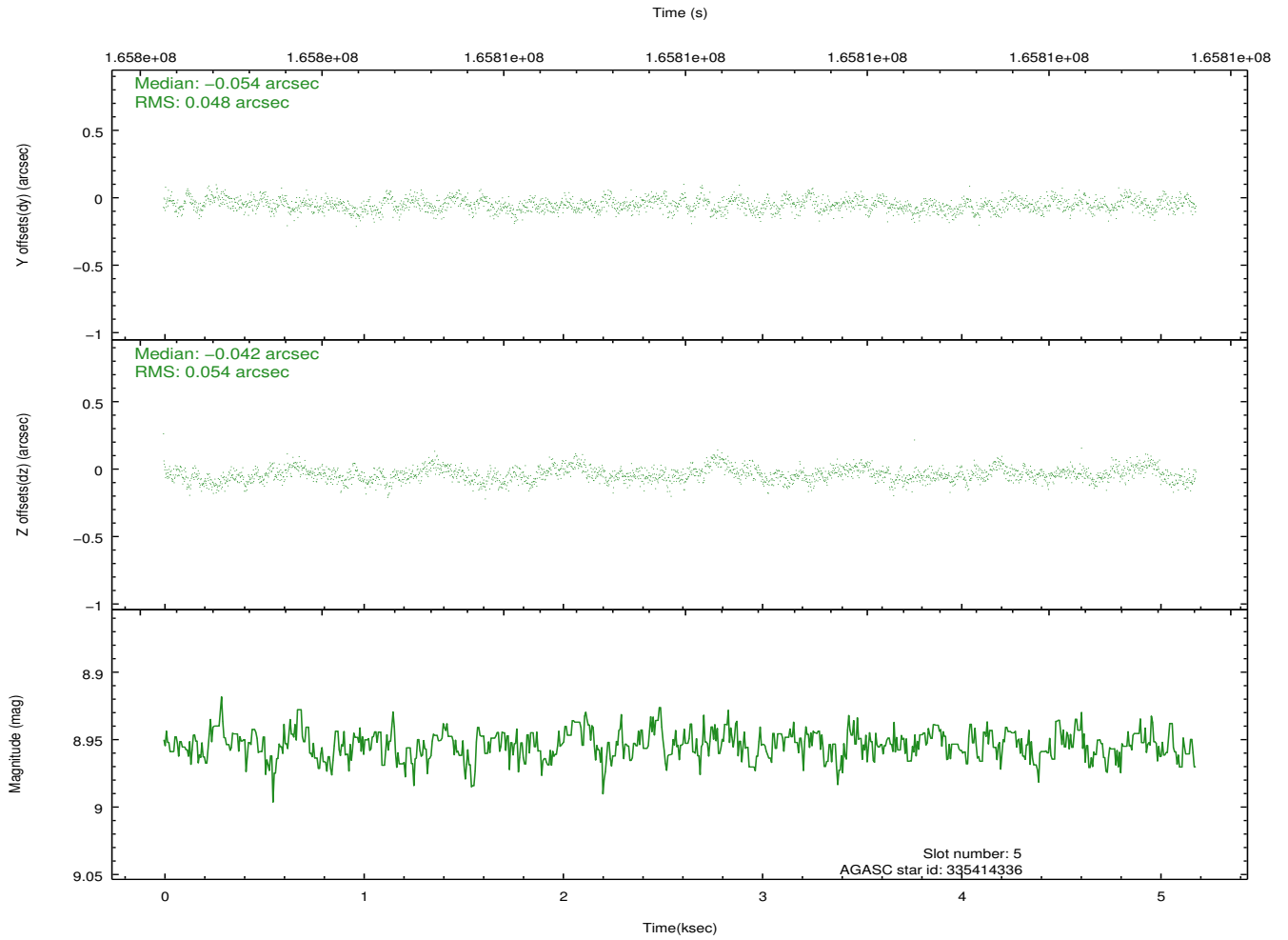
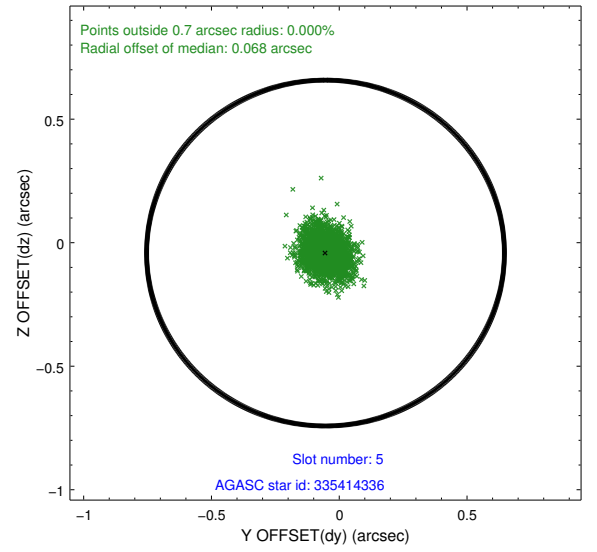
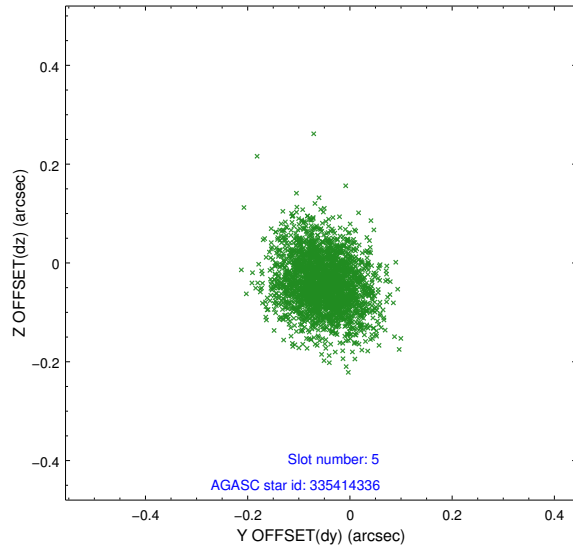
2.4.1 Slot 3



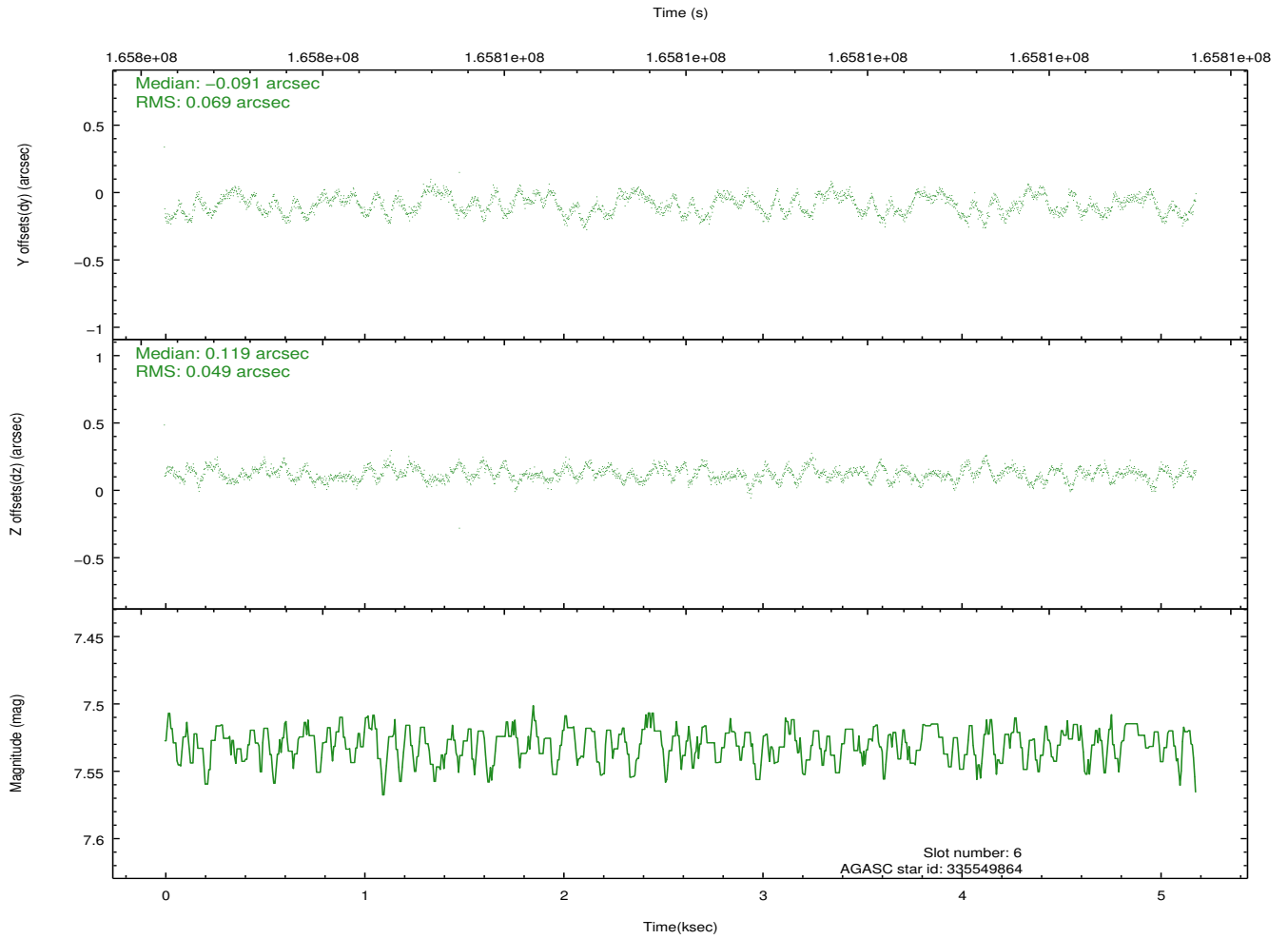
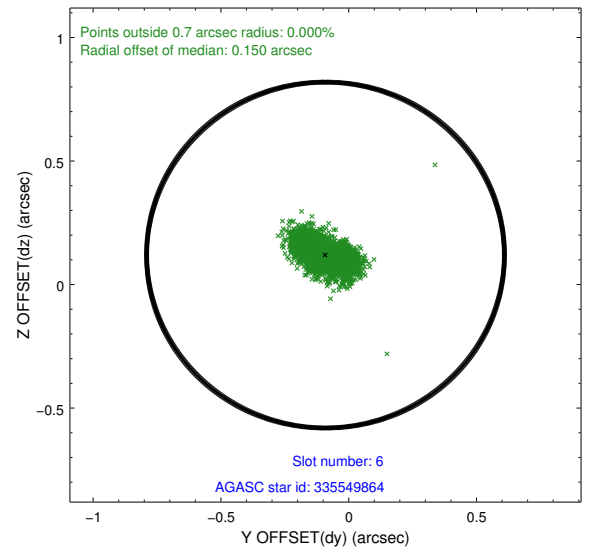
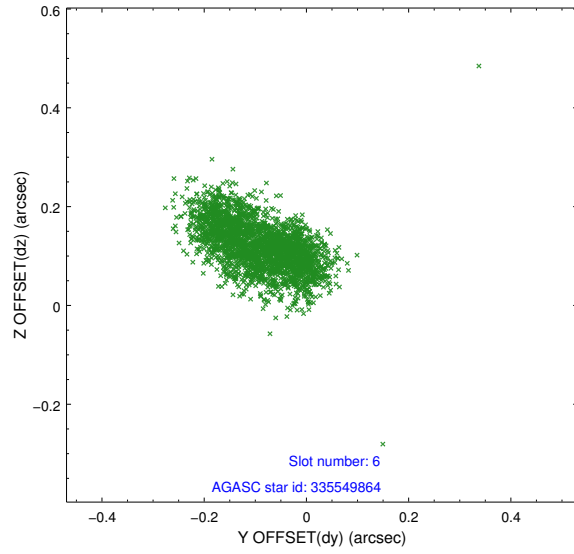
2.4.2 Slot 4



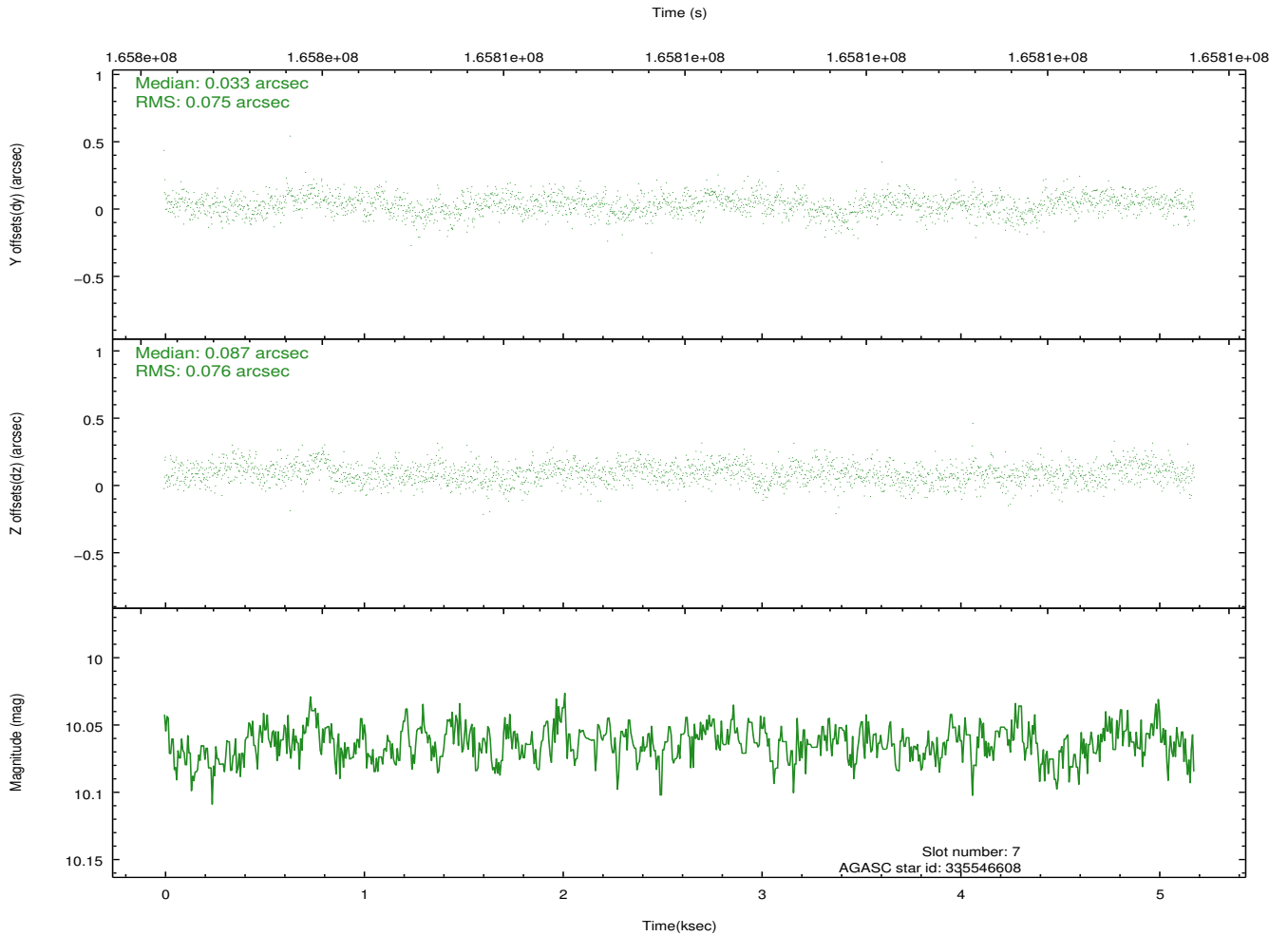
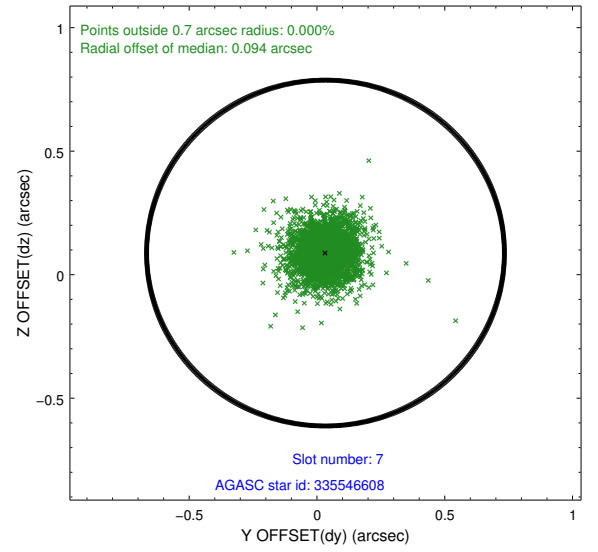
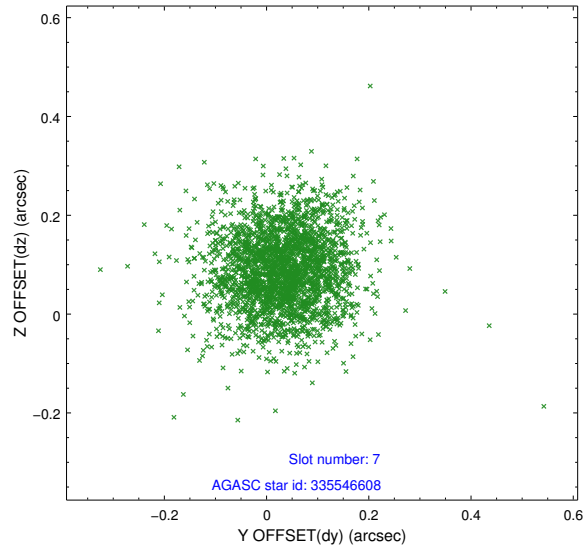
2.4.3 Slot 5



2.4.4 Slot 6

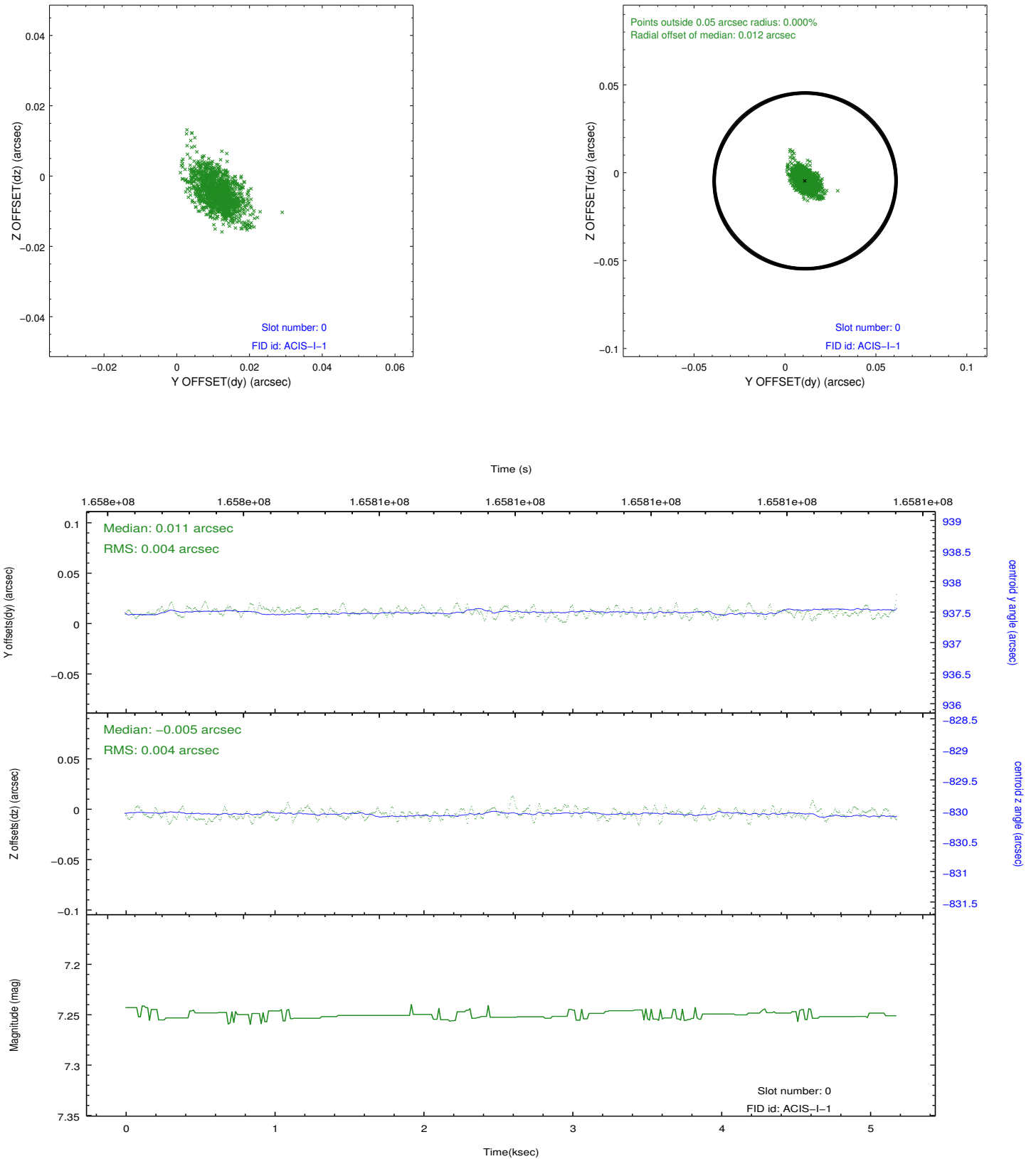


2.4.5 Slot 7

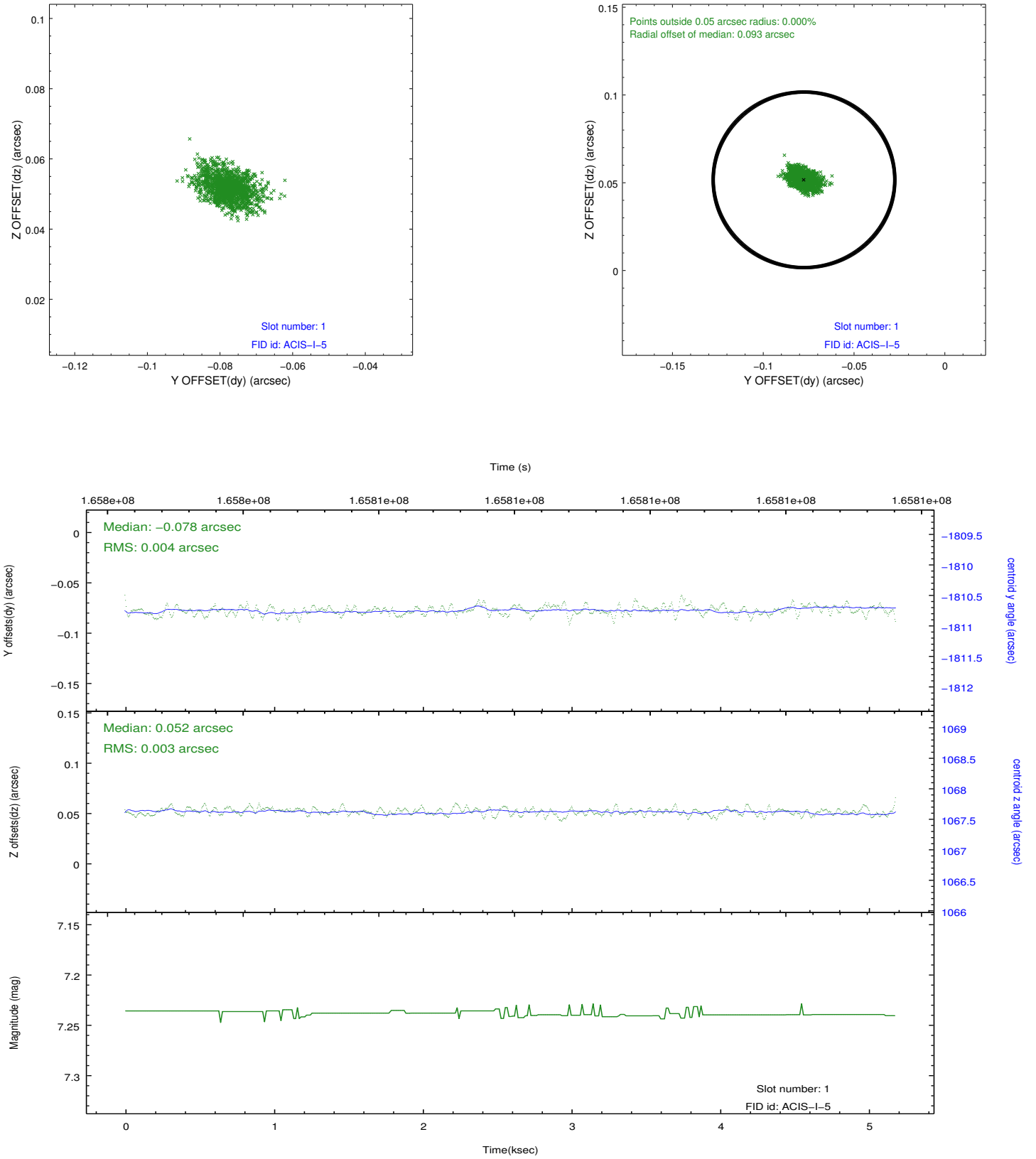


2.5 FID Slots

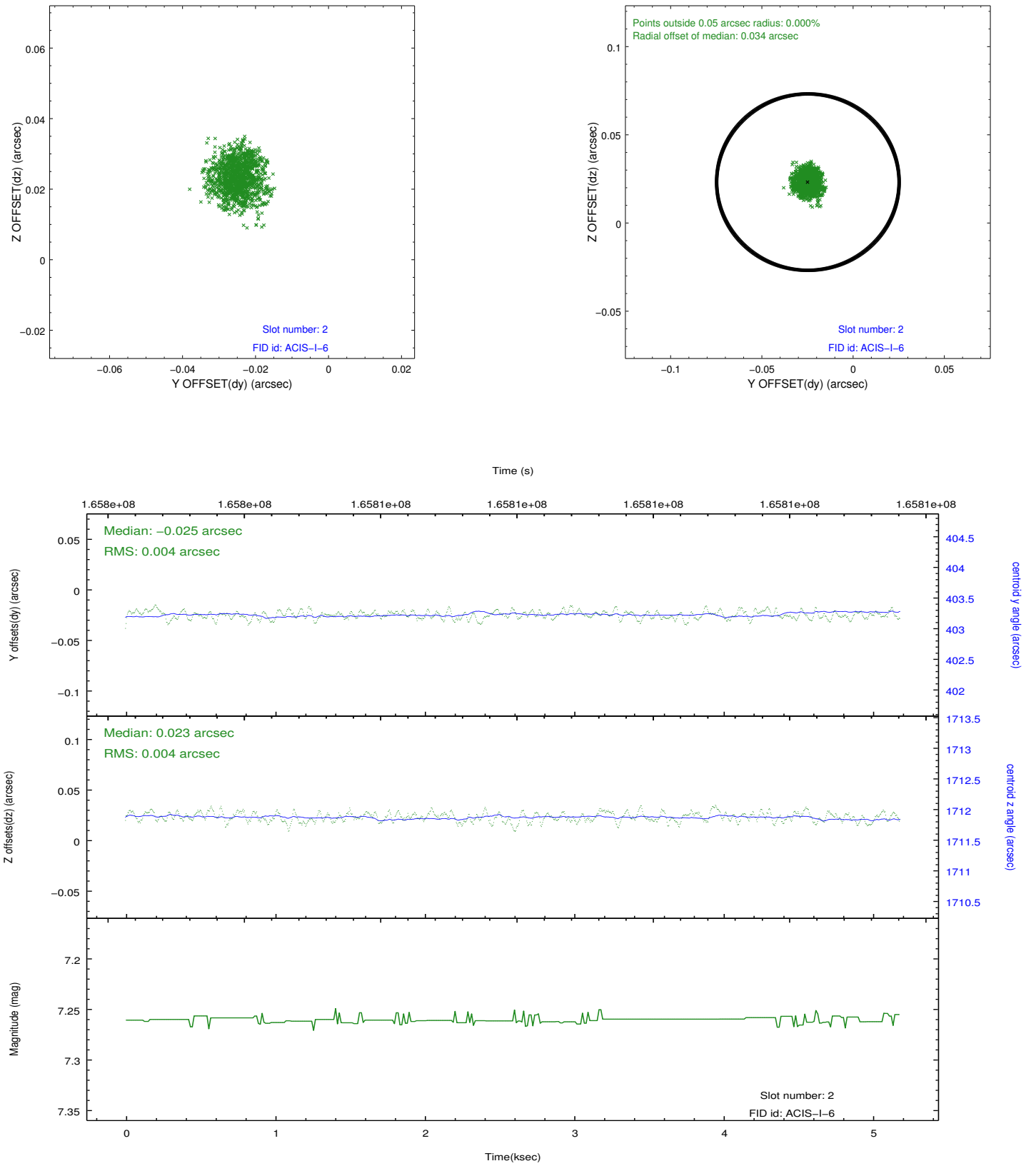
2.5.1 Slot 0



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	4.77

A.2 Comments