

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3659 - L2 Version 3
Chandra X-Ray Center

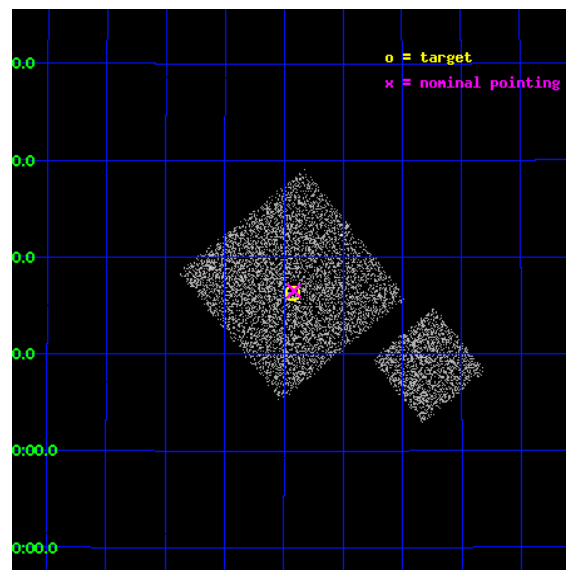
L2 Processing Date : Oct 25 2012

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1 Front

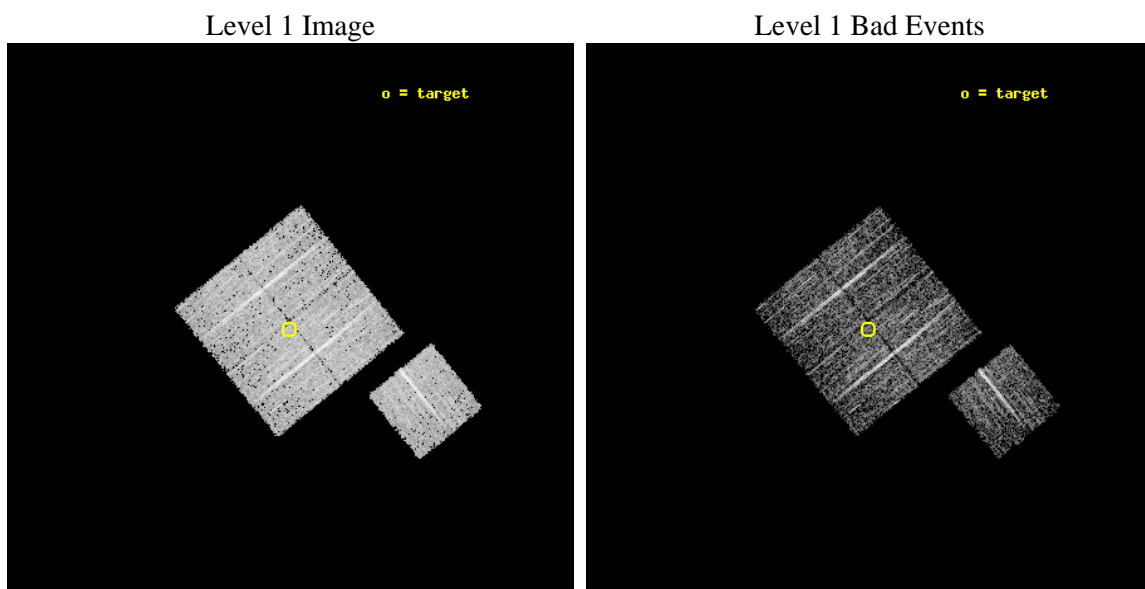
seq_num	900259	Sequence number
obs_id	3659	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F55	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	219.106748	Observer's specified target RA [deg]
dec_targ	34.271694	Observer's specified target Dec [deg]
ra_nom	219.1039862905	Nominal RA [deg]
dec_nom	34.27571723837	Nominal Dec [deg]
roll_nom	141.01034034831	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4777.0735959411	Sum of GTIs [s]
livetime	4714.6576125797	Livetime [s]
ontime0	4776.950456053	Sum of GTIs [s]
ontime1	4776.9915159345	Sum of GTIs [s]
ontime2	4777.0325559378	Sum of GTIs [s]
ontime3	4777.0735959411	Sum of GTIs [s]
ontime6	4776.9094359279	Sum of GTIs [s]
l2events	9857	Number of level 2 events



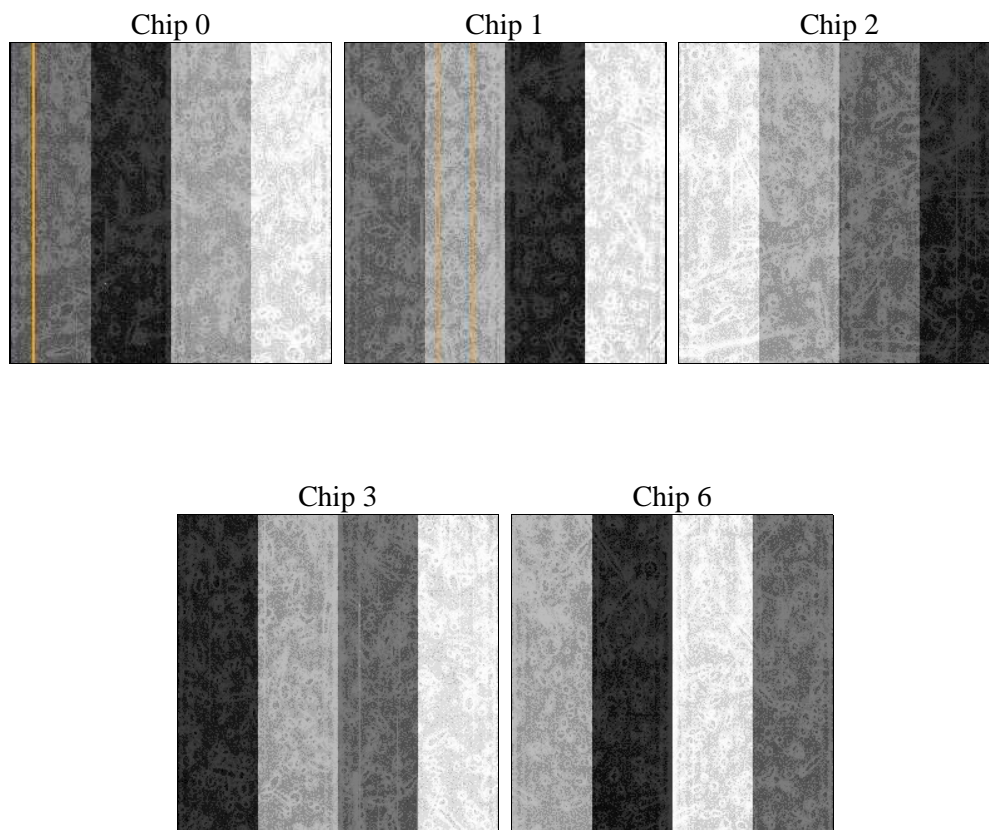
2 OBI

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	4777.0735959411	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4776.950456053	Sum of GTIs [s]
date	2012-10-25T23:44:50	Date and time of file creation	ontime1	4776.9915159345	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4777.0325559378	Sum of GTIs [s]
			ontime3	4777.0735959411	Sum of GTIs [s]
			ontime6	4776.9094359279	Sum of GTIs [s]
			l1events	121142	Number of level 1 events

2.1.4 Events

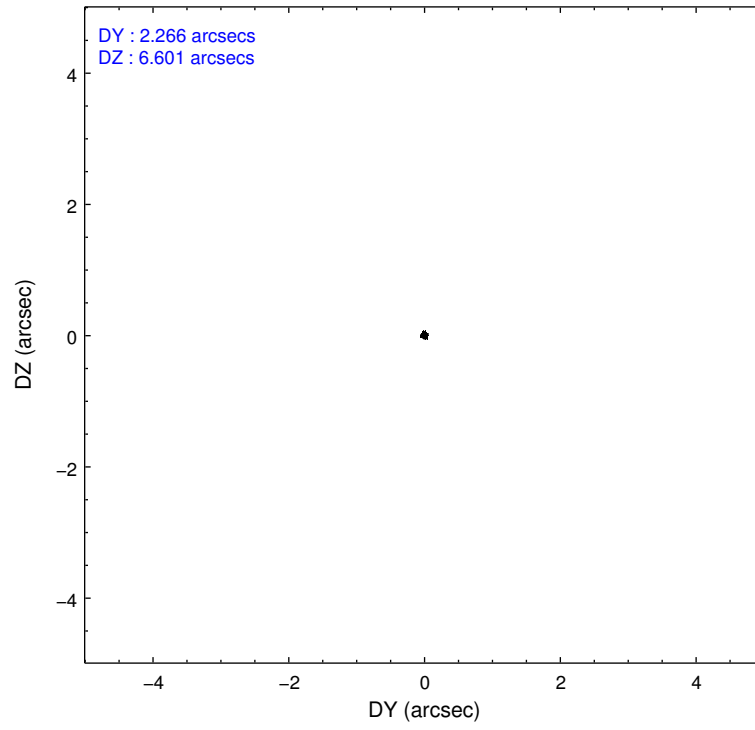
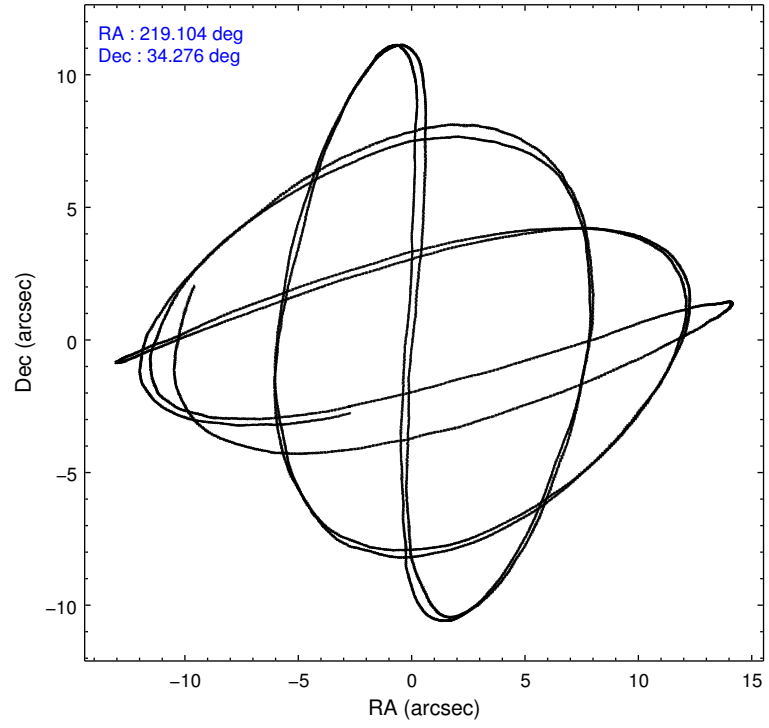
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23540	23208	26268	24881	23245
rejected events	21077	20528	24007	22705	20755
rejected %	89%	88%	91%	91%	89%

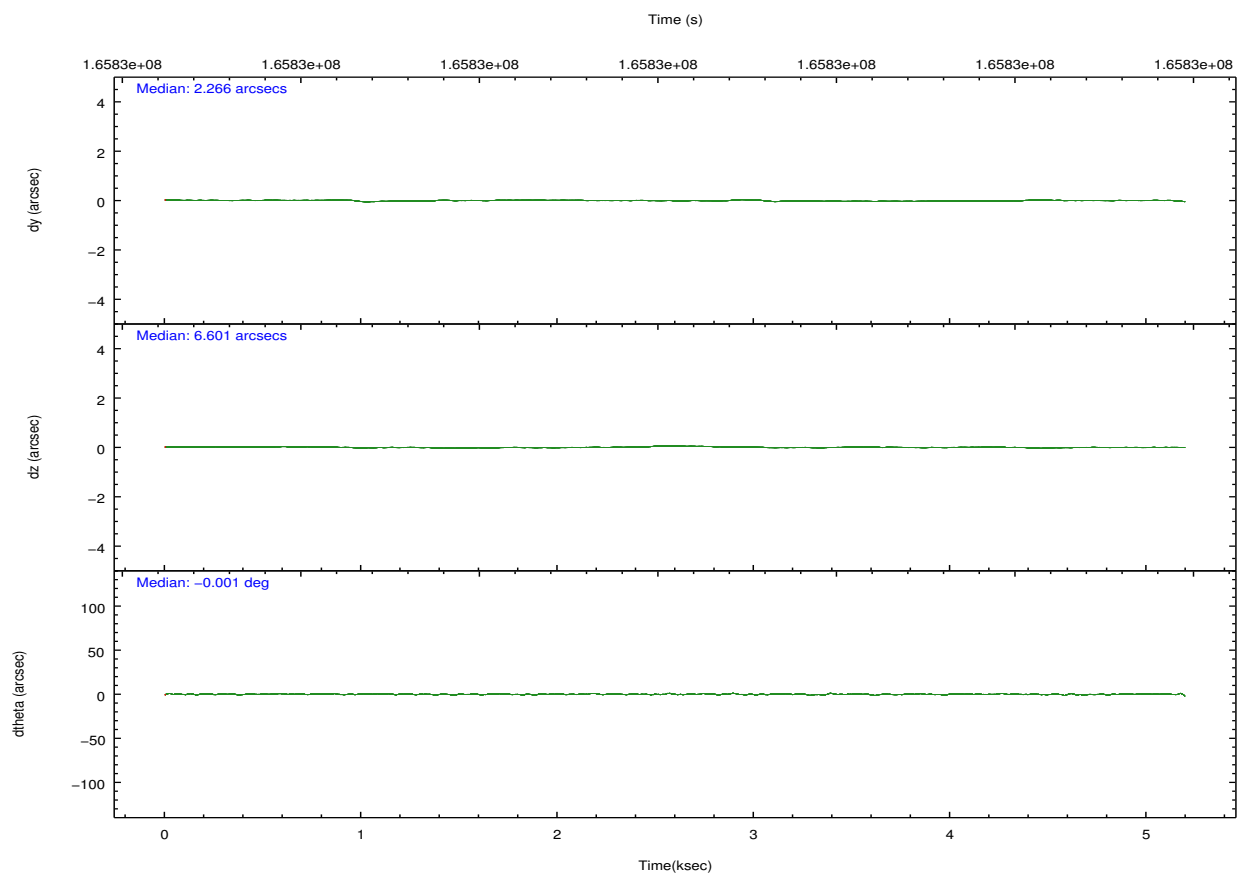
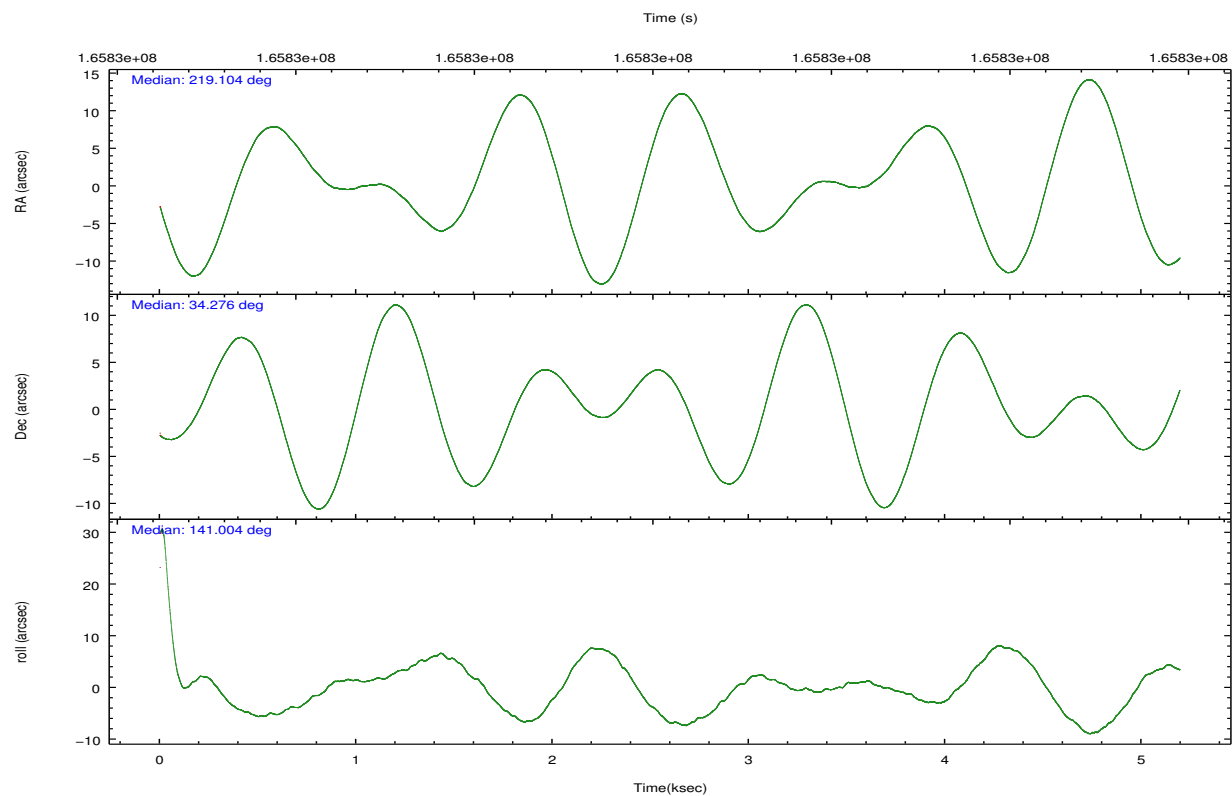
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	912	1060	871	803	908
	3%	4%	3%	3%	3%
grade 1 events	13	9	7	15	9
	0%	0%	0%	0%	0%
grade 2 events	534	572	485	447	483
	2%	2%	1%	1%	2%
grade 3 events	305	272	259	232	328
	1%	1%	0%	0%	1%
grade 4 events	275	283	250	260	268
	1%	1%	0%	1%	1%
grade 5 events	722	762	650	753	820
	3%	3%	2%	3%	3%
grade 6 events	439	493	399	437	505
	1%	2%	1%	1%	2%
grade 7 events	20340	19757	23347	21934	19924
	86%	85%	88%	88%	85%

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	219.136863	219.1039862904963	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.271610	34.27571723836993	Alternating exposures requested	N	N
[deg] Pointing Roll	140.783040	141.0103403483094	[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)	165826695.184000	165826319.36832			
Observation start date	2003-04-04T06:57:11	2003-04-04T06:51:59			
[s] Observation end time (MET)	165831695.184000	165831829.25605			
Observation end date	2003-04-04T08:20:31	2003-04-04T08:23:49			
Read mode	TIMED	TIMED			

2.3 Aspect



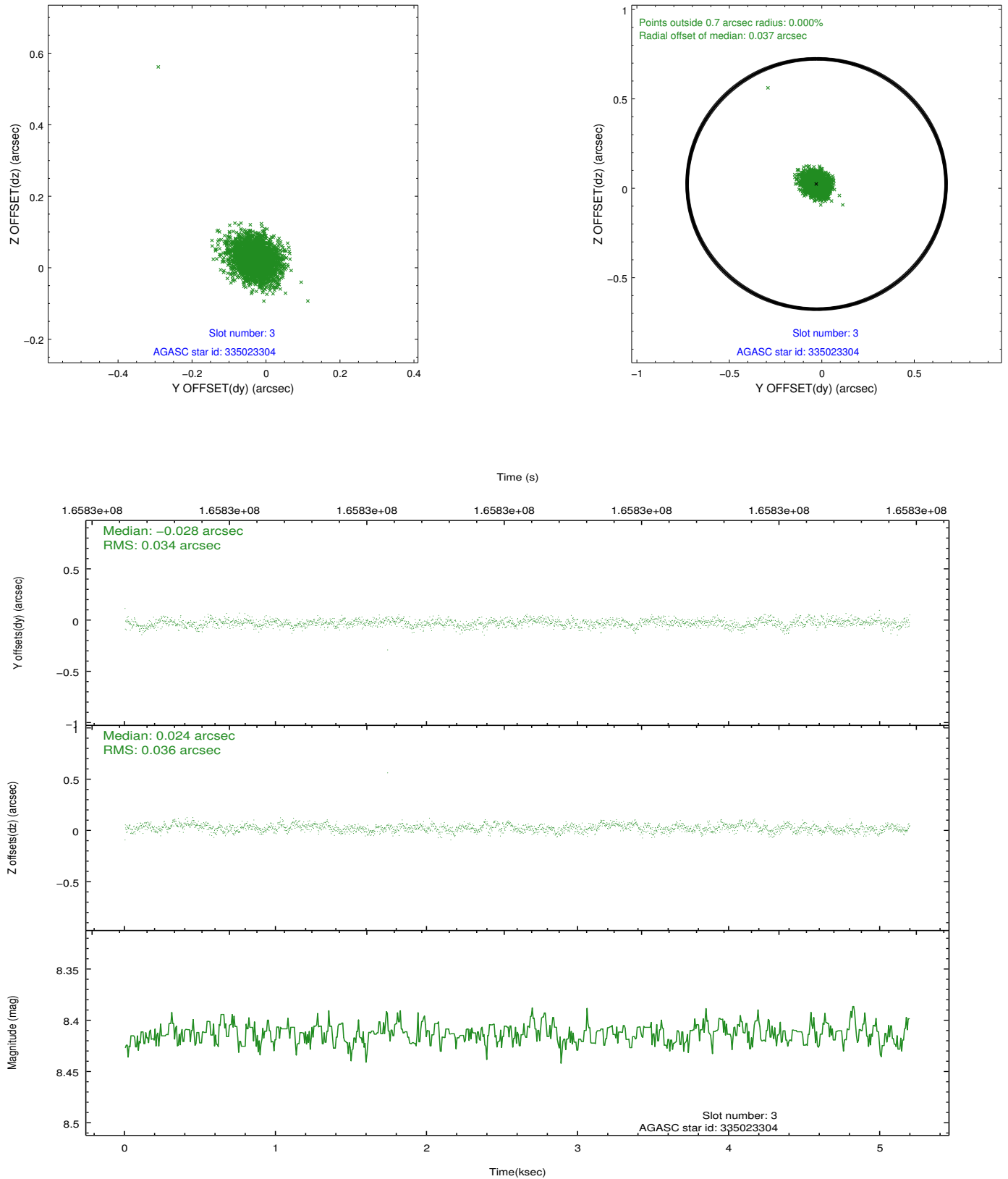


Slot Statistics

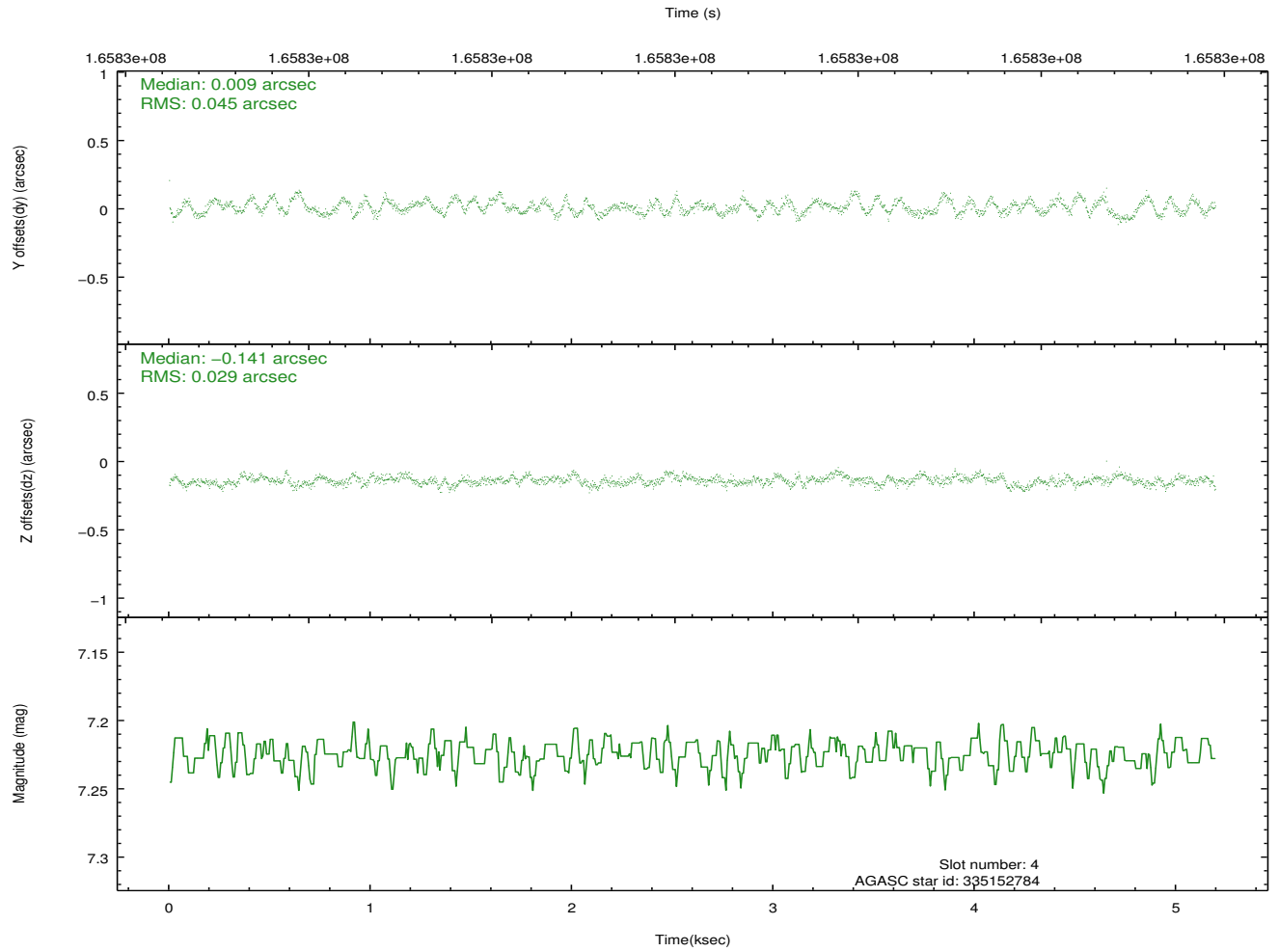
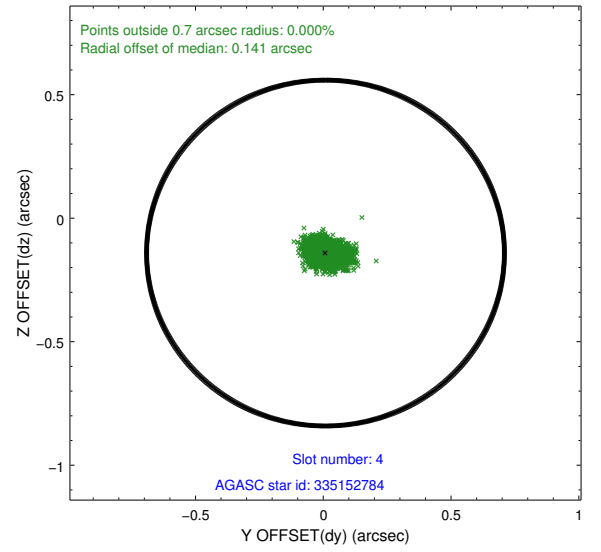
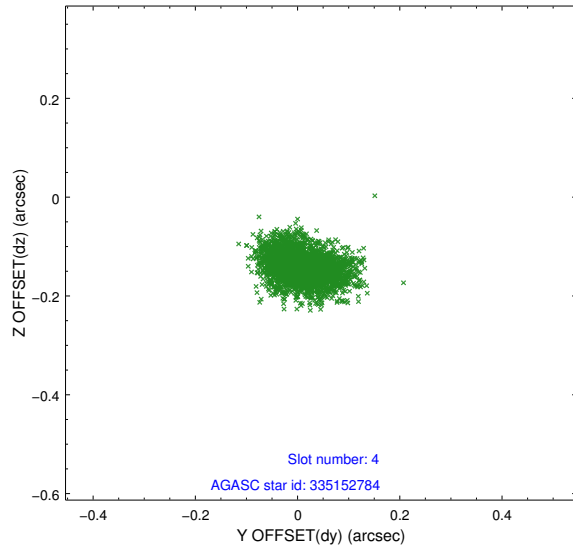
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1268	0.012	-0.006	0.006	0.010	0.000000	0.000000	937.55	-830.01
1	FID	ACIS-I-5	7.24	1268	-0.078	0.052	0.006	0.010	0.000000	0.000000	-1809.96	1067.01
2	FID	ACIS-I-6	7.26	1267	-0.025	0.024	0.006	0.011	0.000000	0.000000	401.84	1712.77
3	GUIDE	335023304	8.41	2533	-0.028	0.024	0.051	0.083	218.883608	34.686545	1525.90	-683.97
4	GUIDE	335152784	7.22	2535	0.009	-0.141	0.058	0.091	219.280617	33.678221	-1683.79	1381.86
5	GUIDE	335155824	8.92	2535	0.051	0.096	0.068	0.108	219.689900	34.035435	-1813.58	-387.57
6	GUIDE	335157088	9.09	2535	0.070	-0.045	0.075	0.120	219.274029	33.726909	-1558.72	1258.92
7	GUIDE	335414336	8.98	2534	-0.104	0.064	0.085	0.141	218.979022	35.090910	2224.85	-1990.83

2.4 Star Slots

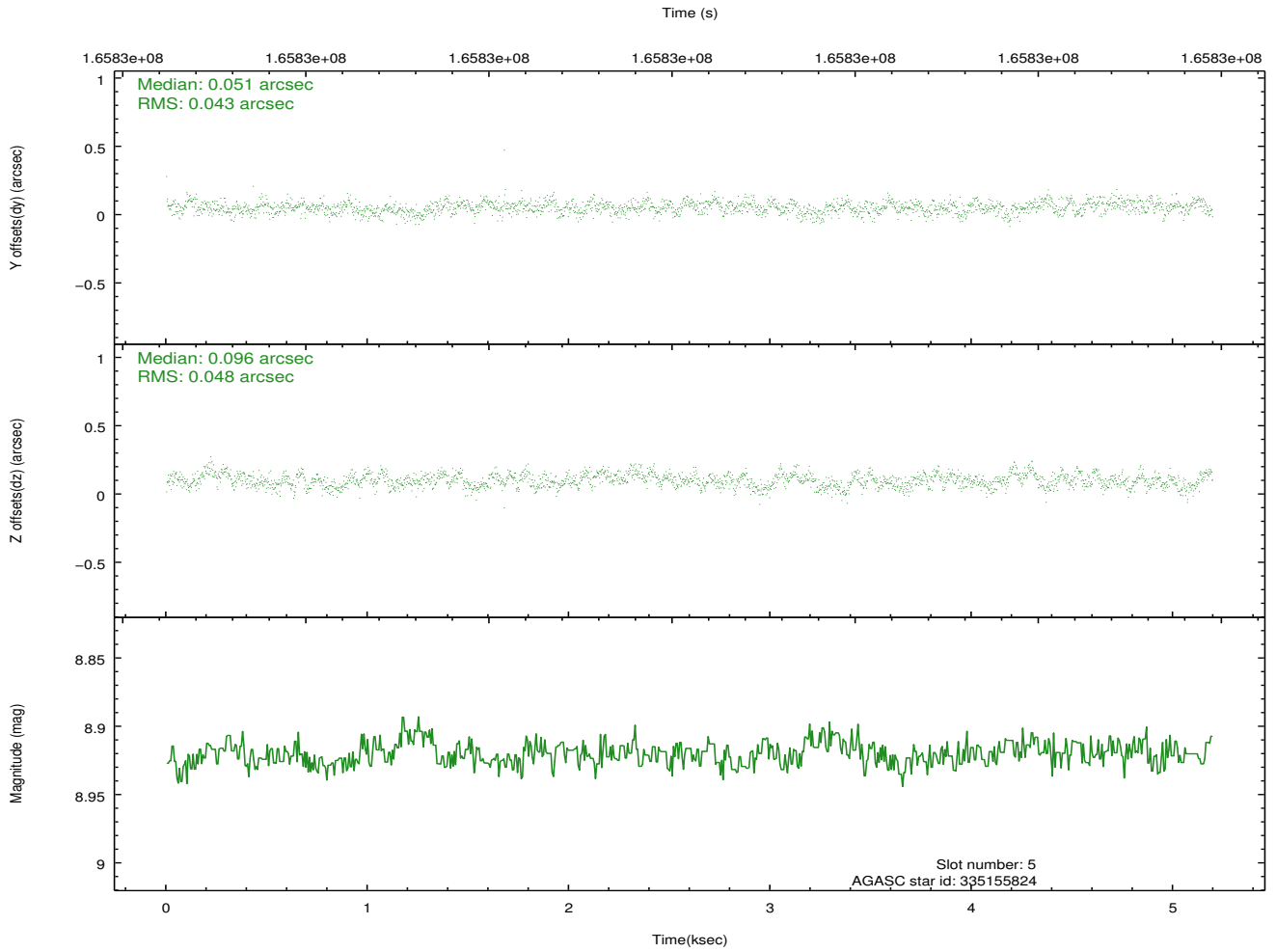
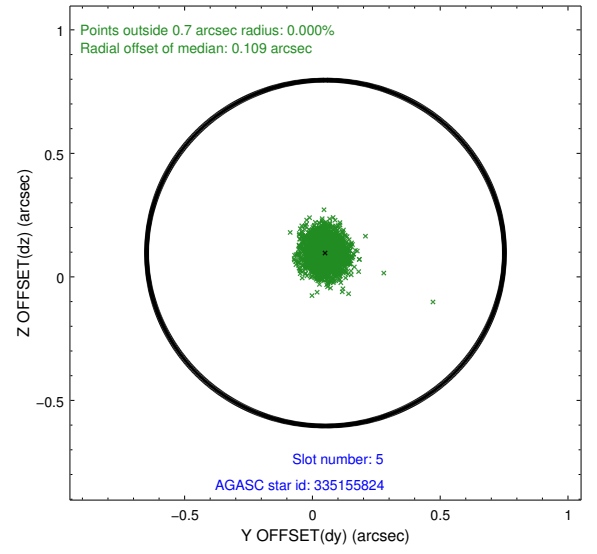
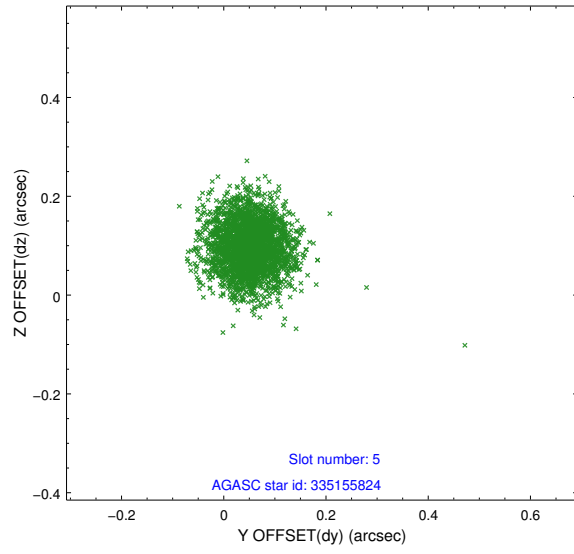
2.4.1 Slot 3



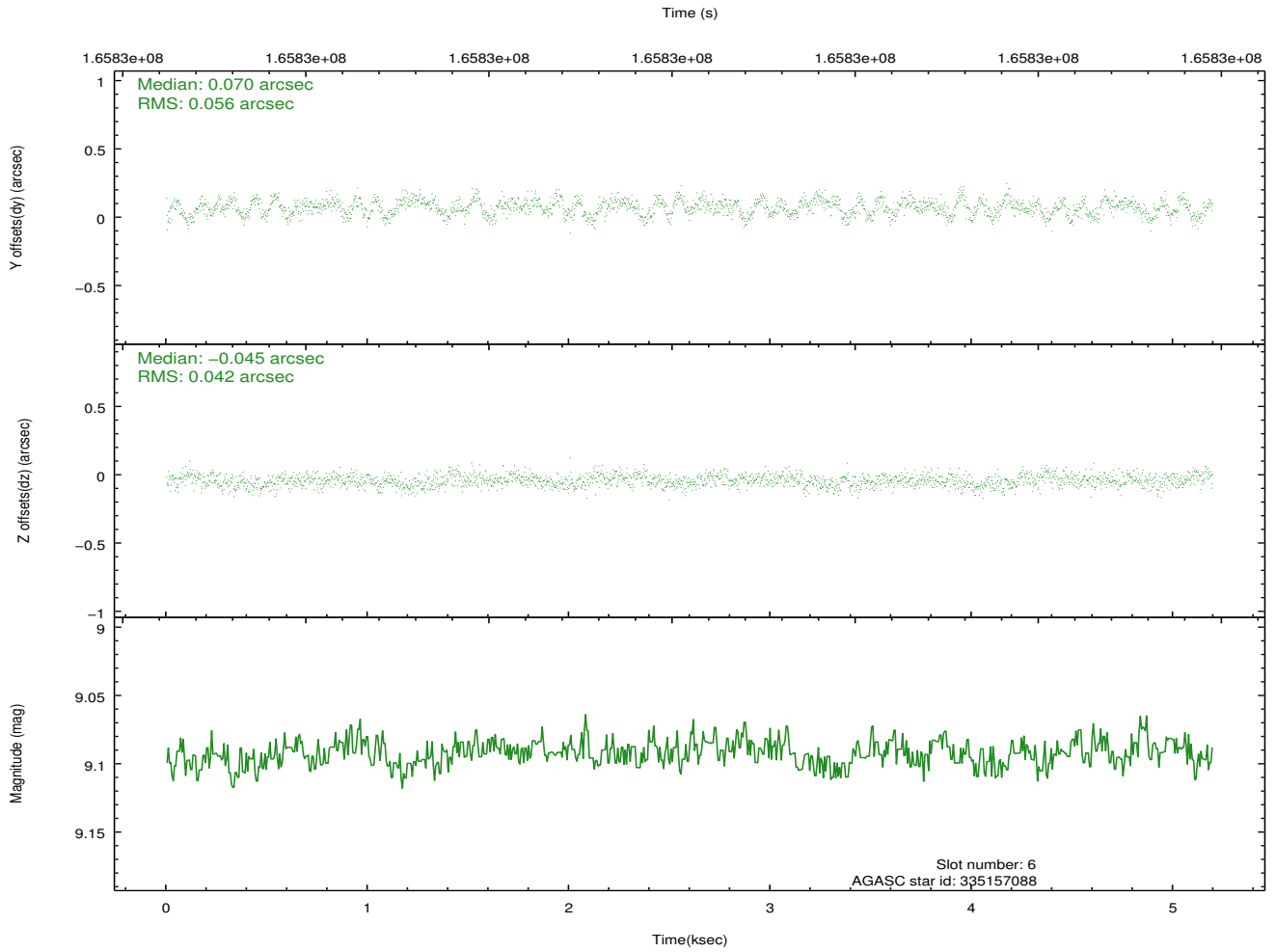
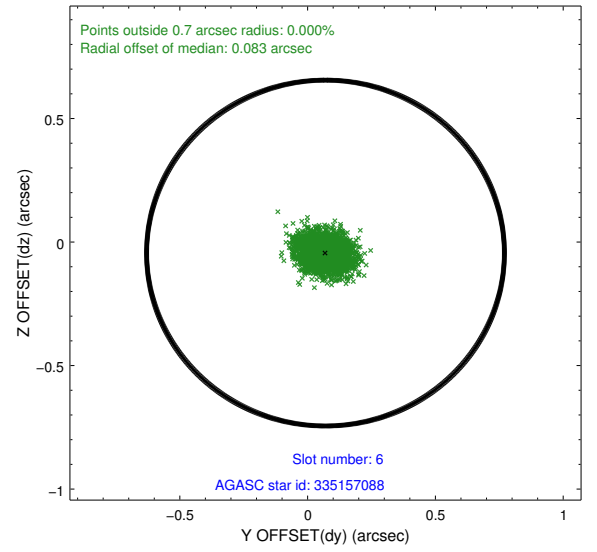
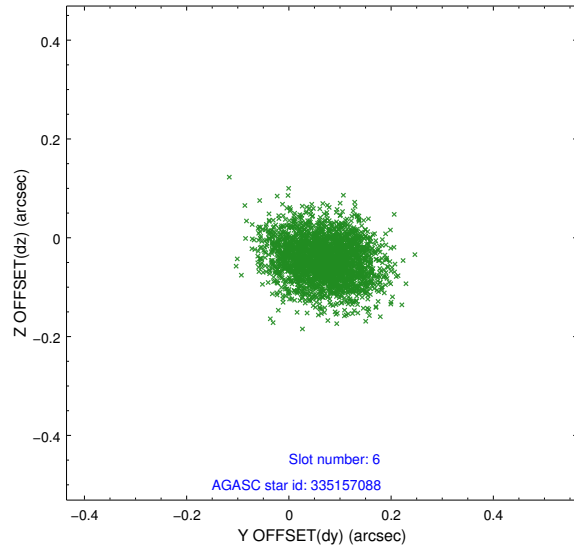
2.4.2 Slot 4



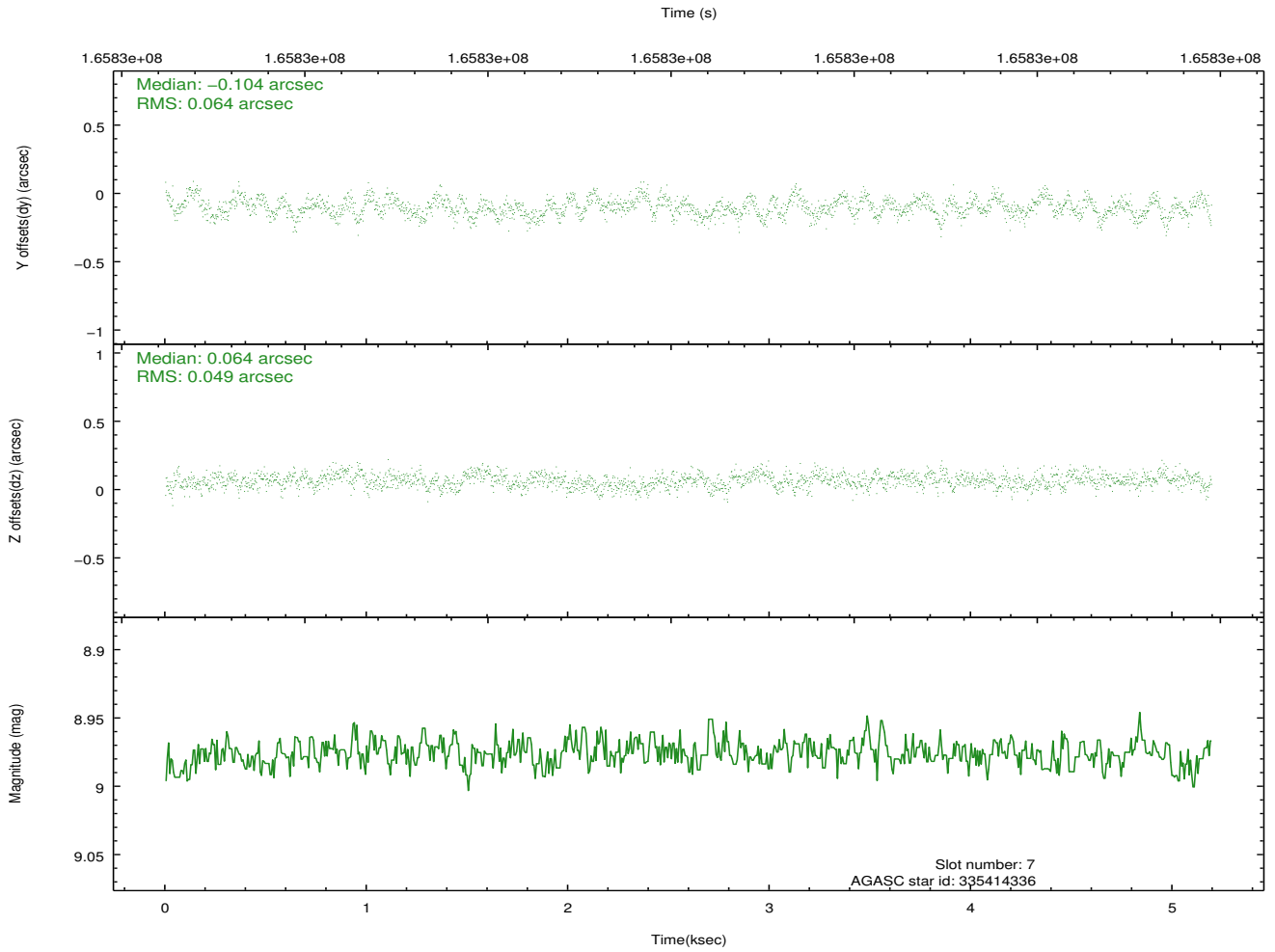
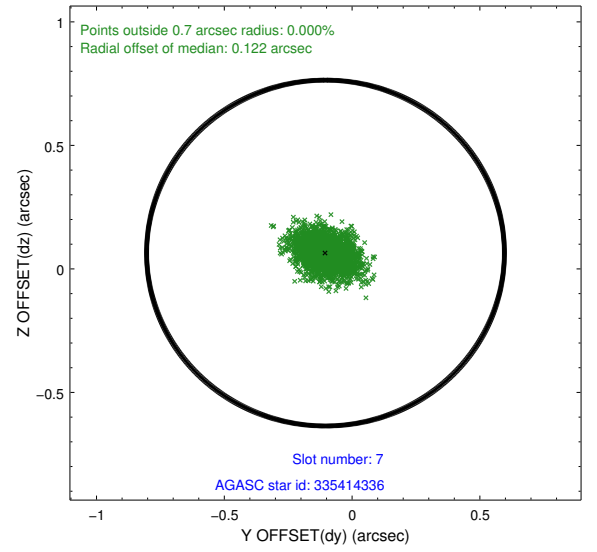
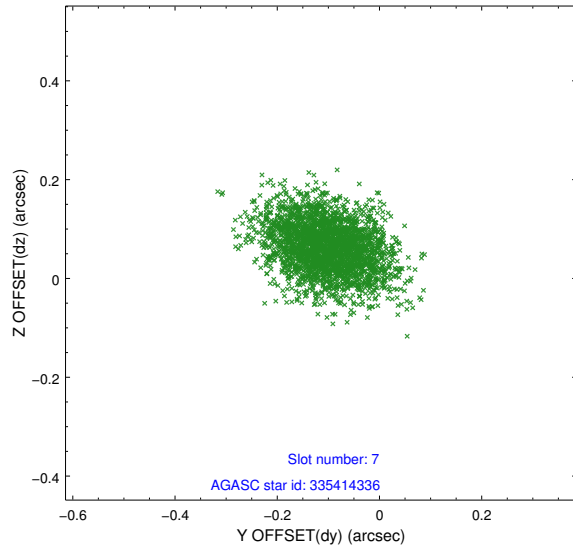
2.4.3 Slot 5



2.4.4 Slot 6

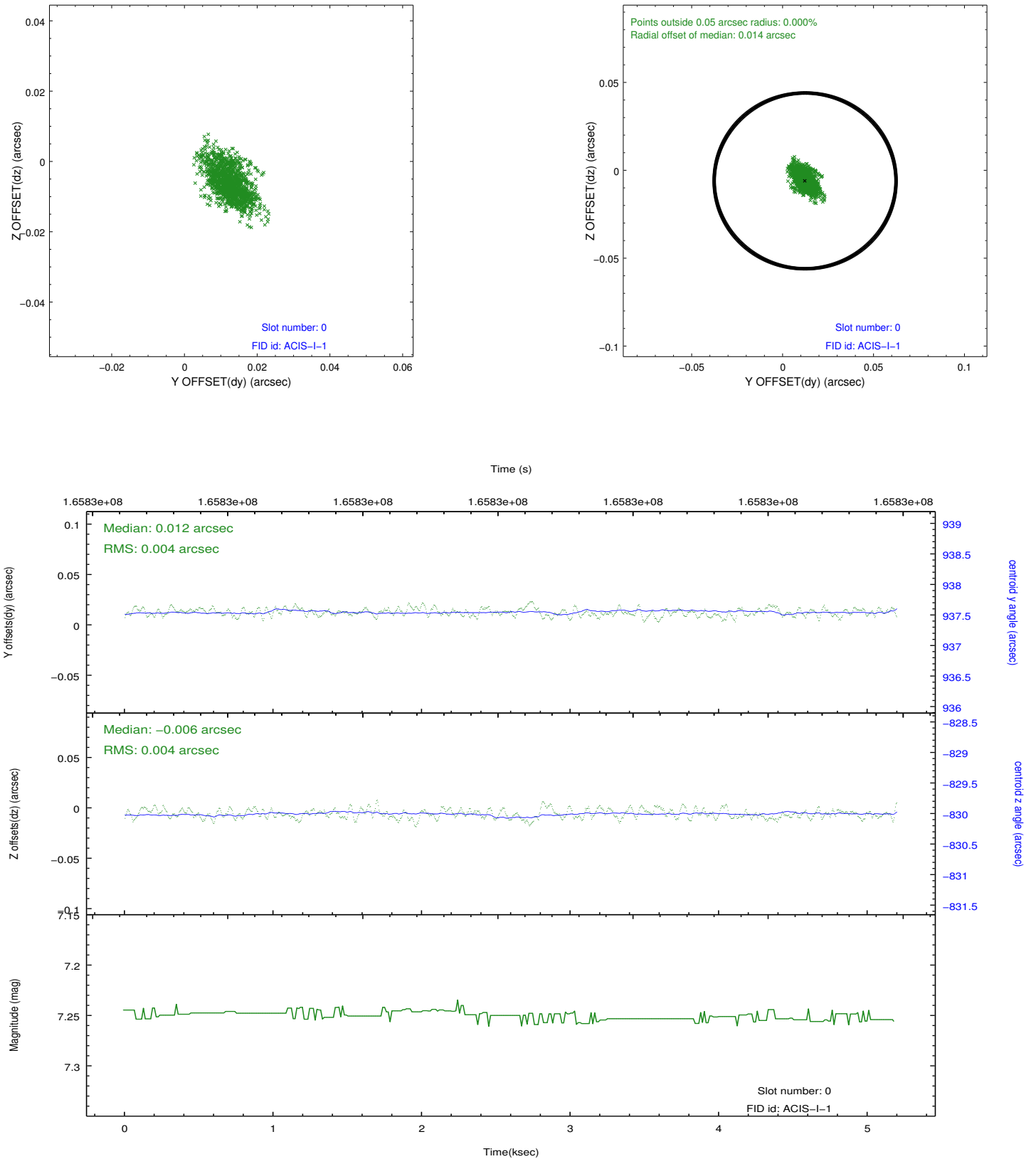


2.4.5 Slot 7

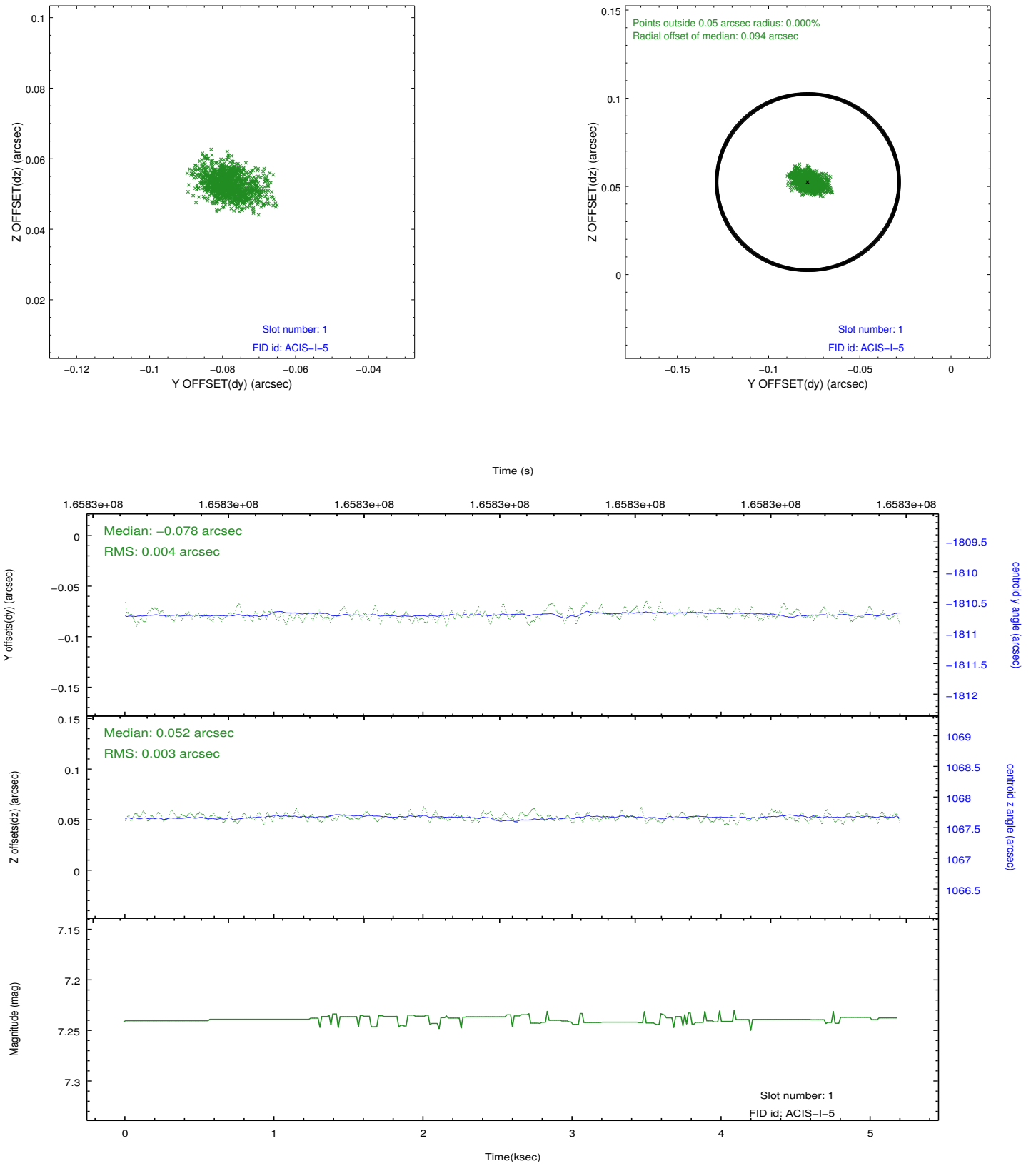


2.5 FID Slots

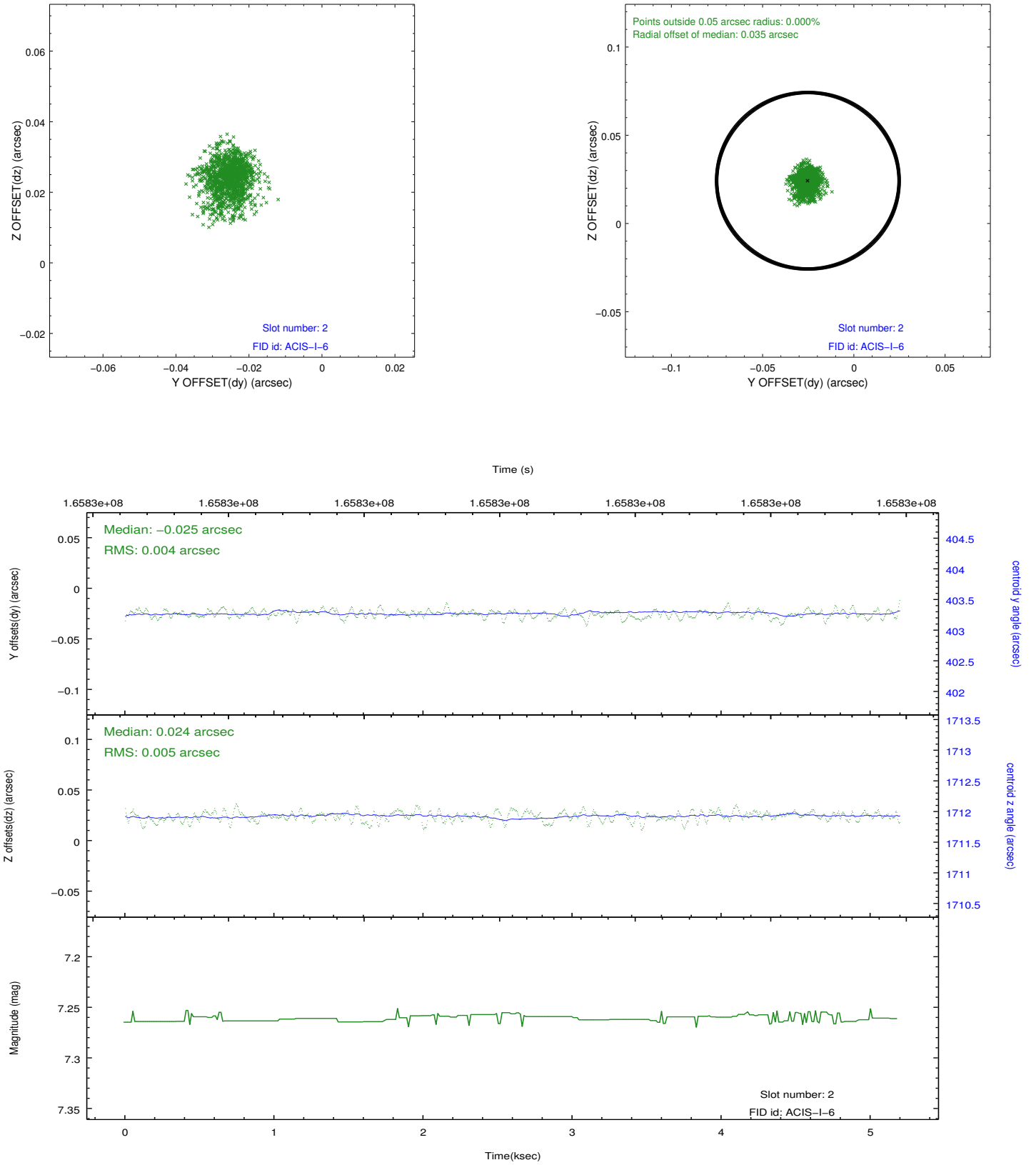
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.777

A.2 Comments