

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3646 - L2 Version 3
Chandra X-Ray Center

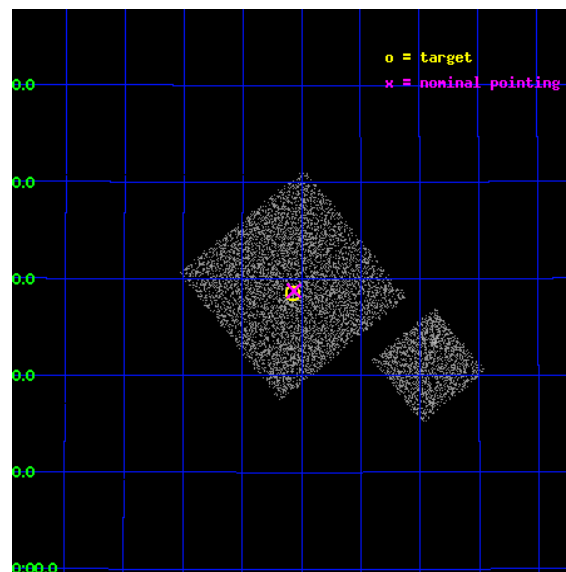
L2 Processing Date : Oct 25 2012

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1 Front

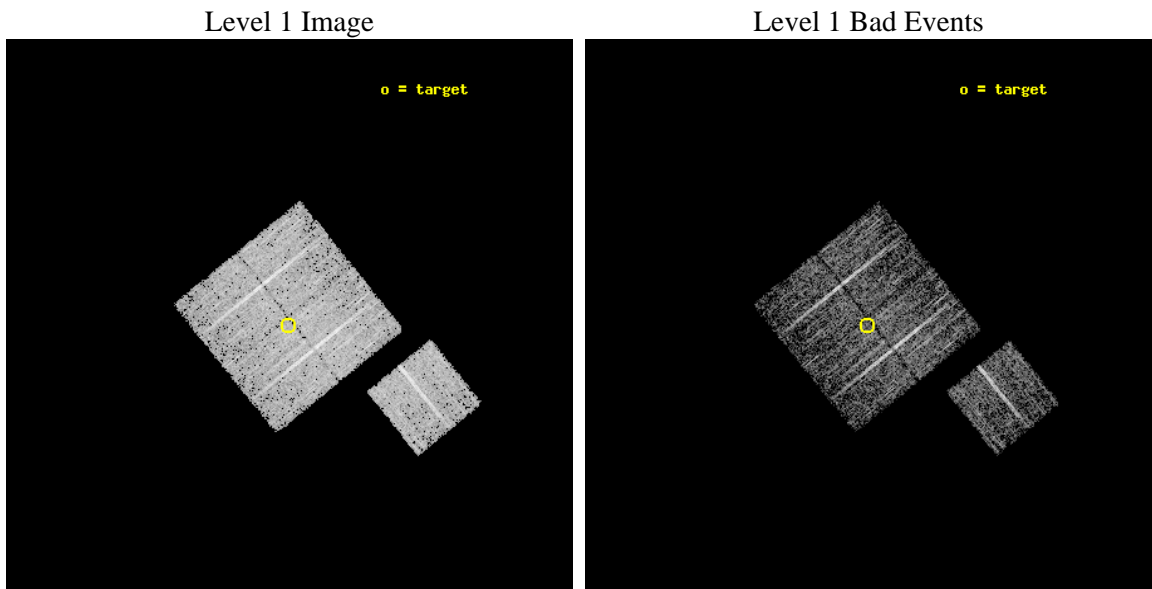
seq_num	900246	Sequence number
obs_id	3646	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F42	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.893848	Observer's specified target RA [deg]
dec_targ	34.475388	Observer's specified target Dec [deg]
ra_nom	218.89116924717	Nominal RA [deg]
dec_nom	34.479397770293	Nominal Dec [deg]
roll_nom	141.01019548792	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4776.4612751305	Sum of GTIs [s]
livetime	4714.0532921913	Livetime [s]
ontime0	4776.3381551206	Sum of GTIs [s]
ontime1	4776.3791951239	Sum of GTIs [s]
ontime2	4776.4202351272	Sum of GTIs [s]
ontime3	4776.4612751305	Sum of GTIs [s]
ontime6	4776.2971151173	Sum of GTIs [s]
l2events	9697	Number of level 2 events



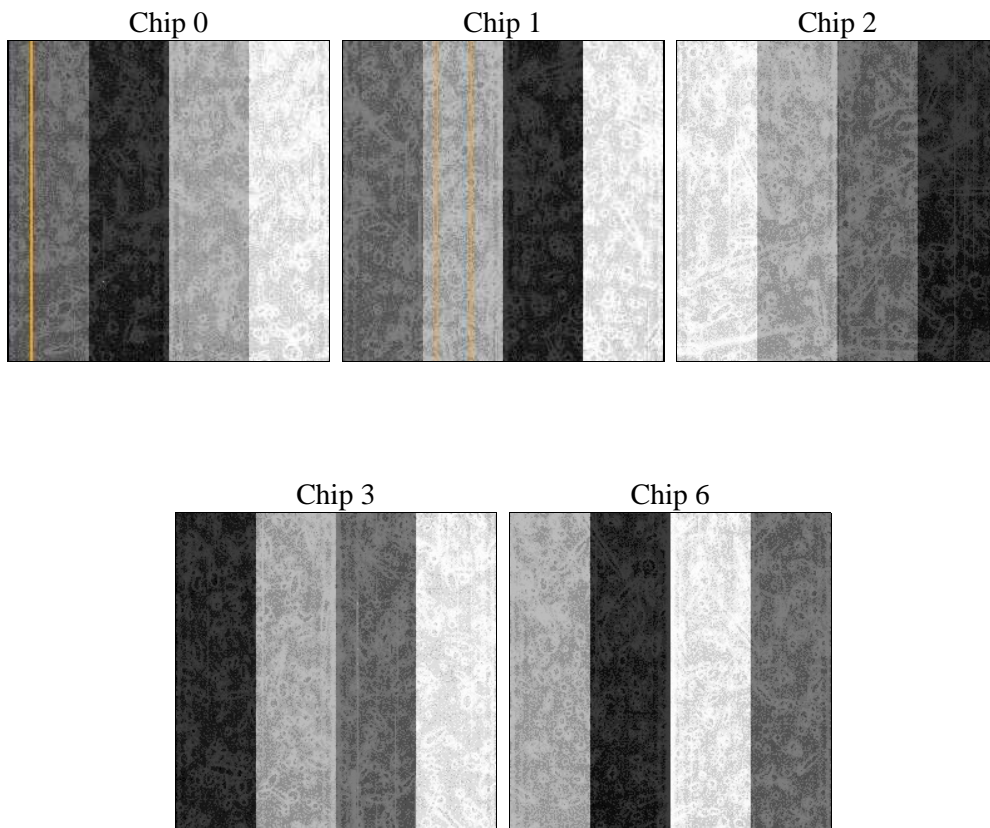
2 OBI

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	4776.4612751305	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4776.3381551206	Sum of GTIs [s]
date	2012-10-25T23:40:16	Date and time of file creation	ontime1	4776.3791951239	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4776.4202351272	Sum of GTIs [s]
			ontime3	4776.4612751305	Sum of GTIs [s]
			ontime6	4776.2971151173	Sum of GTIs [s]
			l1events	118704	Number of level 1 events

2.1.4 Events

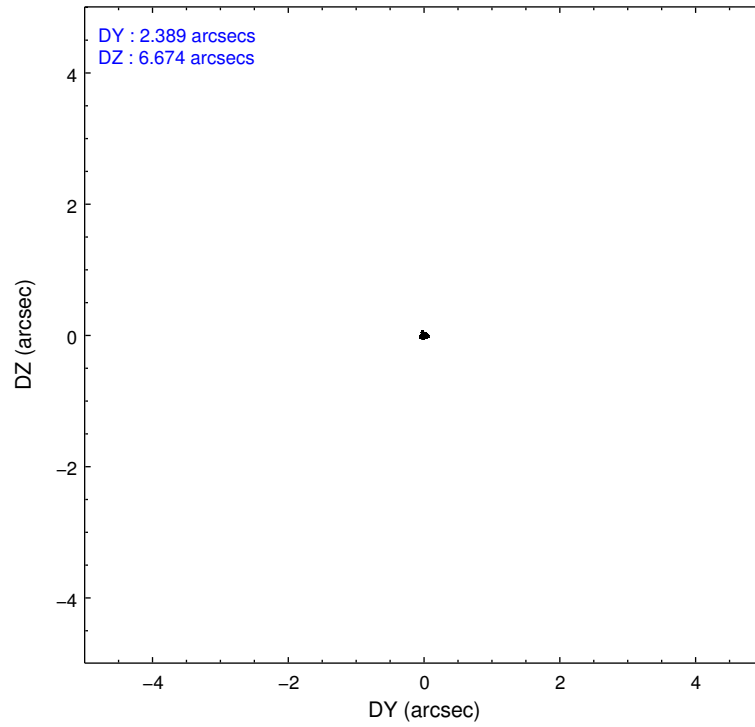
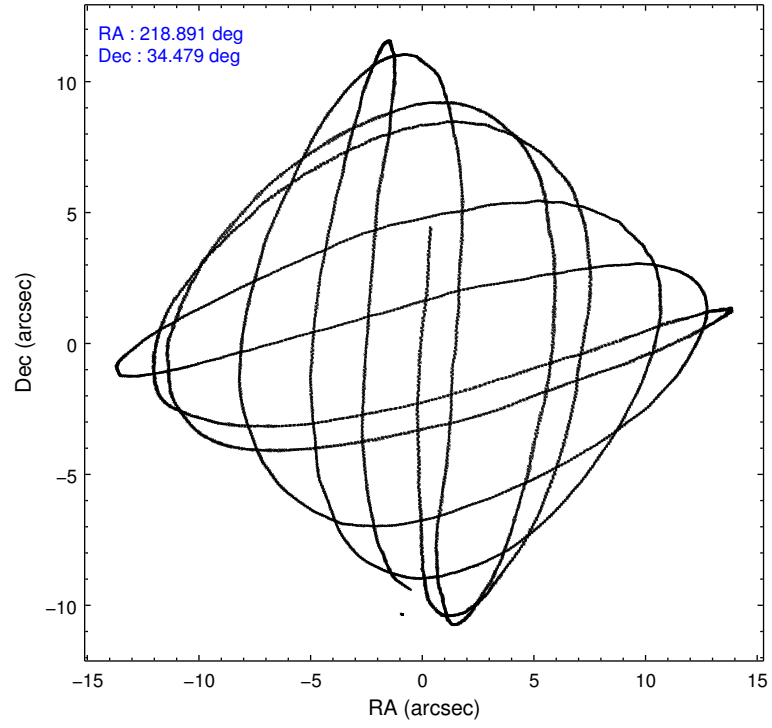
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	23267	21900	26342	22907	24288
rejected events	20836	19538	24013	20649	21794
rejected %	89%	89%	91%	90%	89%

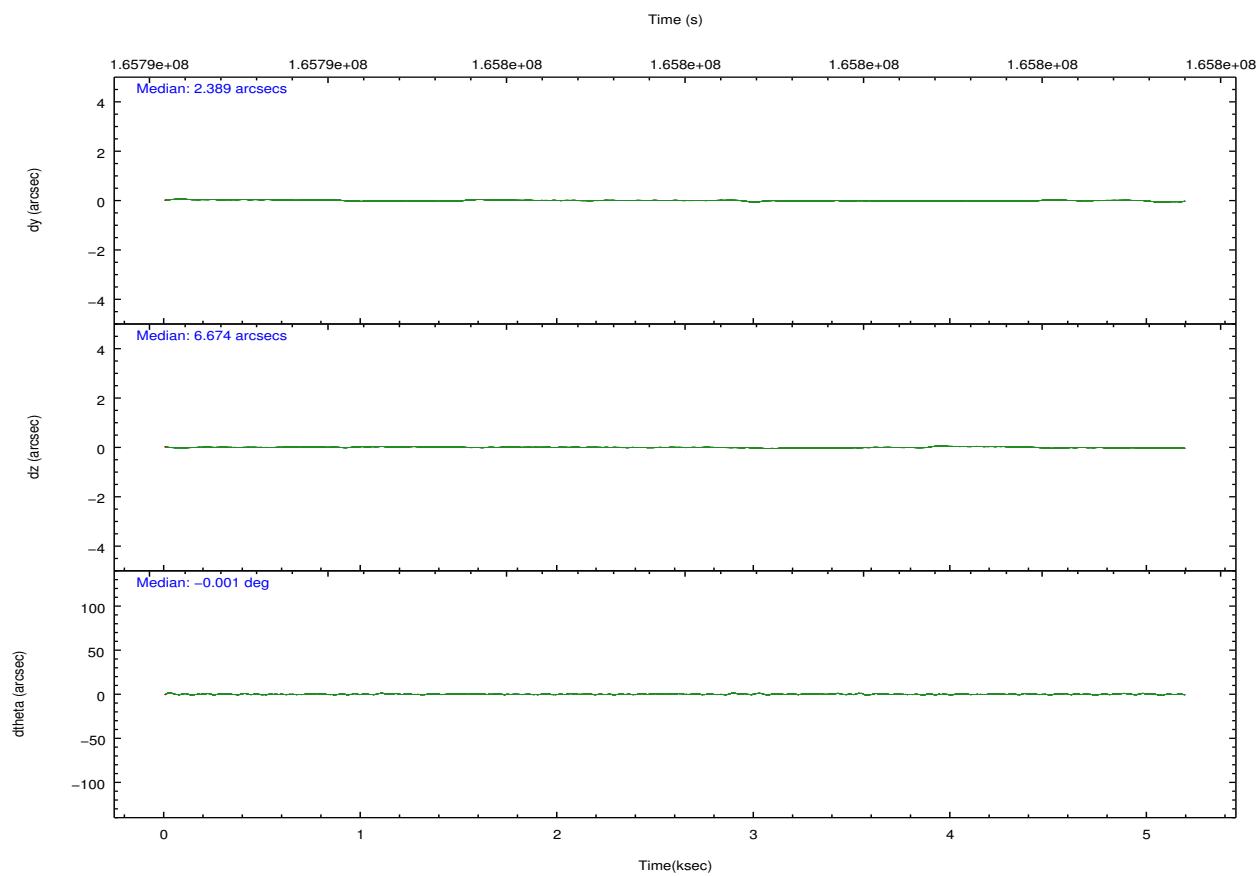
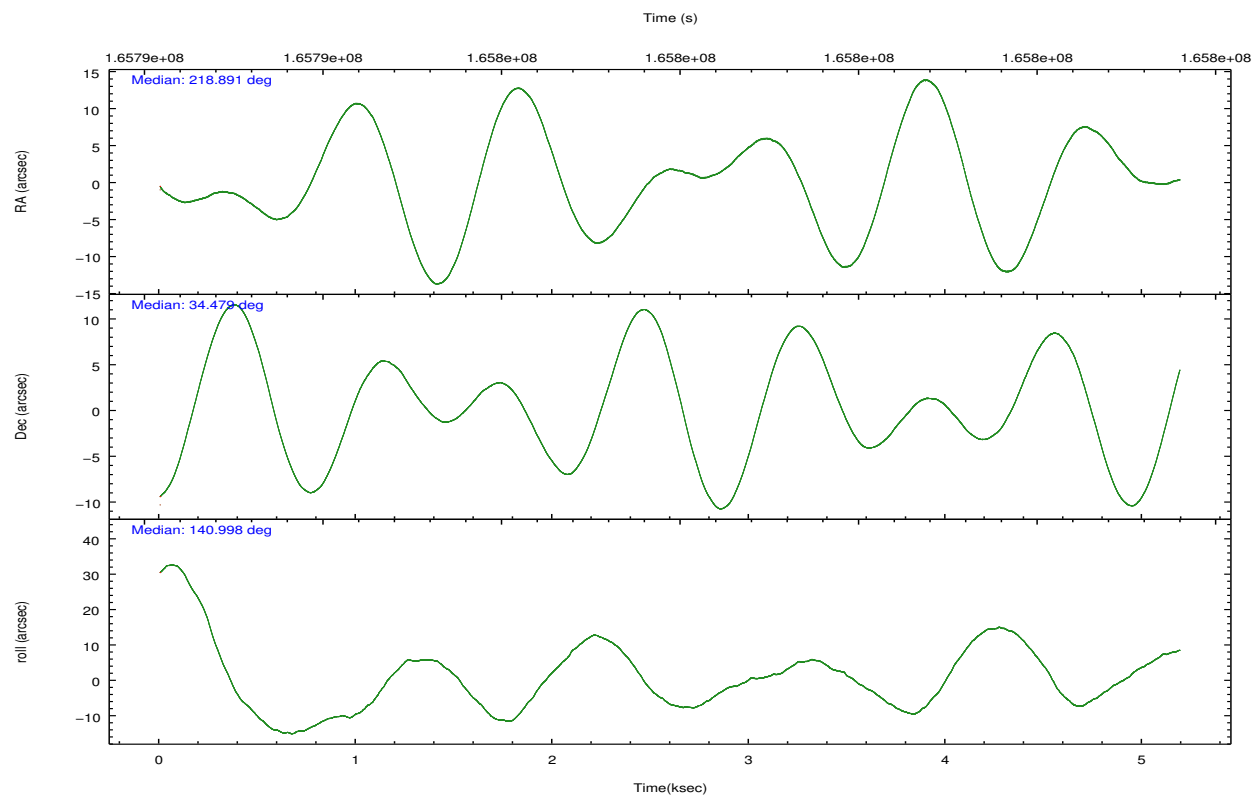
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	861	836	831	864	969
	3%	3%	3%	3%	3%
grade 1 events	12	10	17	9	14
	0%	0%	0%	0%	0%
grade 2 events	584	489	517	481	527
	2%	2%	1%	2%	2%
grade 3 events	316	276	262	245	263
	1%	1%	0%	1%	1%
grade 4 events	264	276	289	259	275
	1%	1%	1%	1%	1%
grade 5 events	661	772	640	756	793
	2%	3%	2%	3%	3%
grade 6 events	408	486	432	409	461
	1%	2%	1%	1%	1%
grade 7 events	20161	18755	23354	19884	20986
	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	218.924031	218.8911692471663	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.475306	34.47939777029278	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782919	141.0101954879192	[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)	165793540.184000	165793164.20442			
Observation start date	2003-04-03T21:44:36	2003-04-03T21:39:24			
[s] Observation end time (MET)	165798540.184000	165798674.09215			
Observation end date	2003-04-03T23:07:56	2003-04-03T23:11:14			
Read mode	TIMED	TIMED			

2.3 Aspect



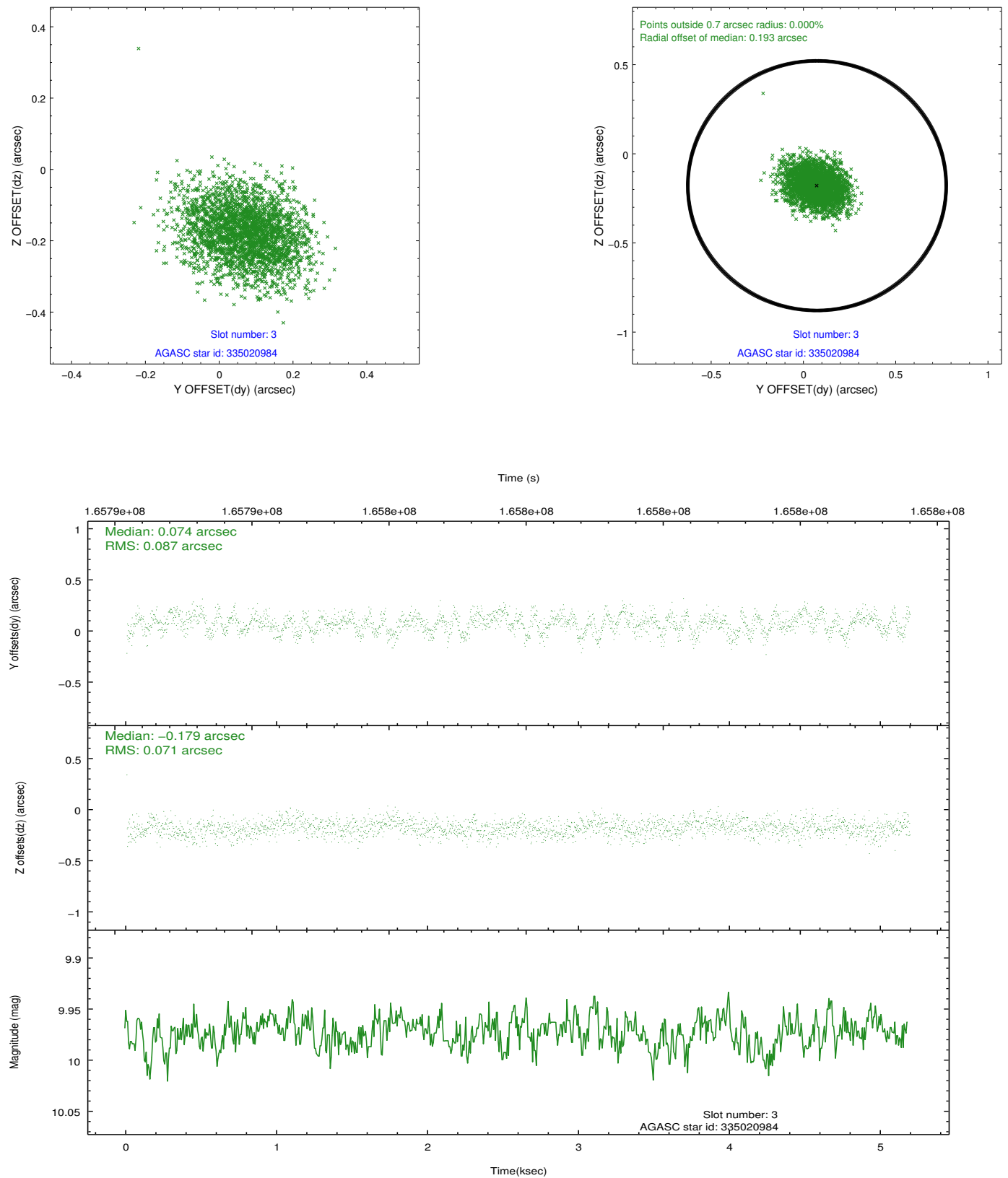


Slot Statistics

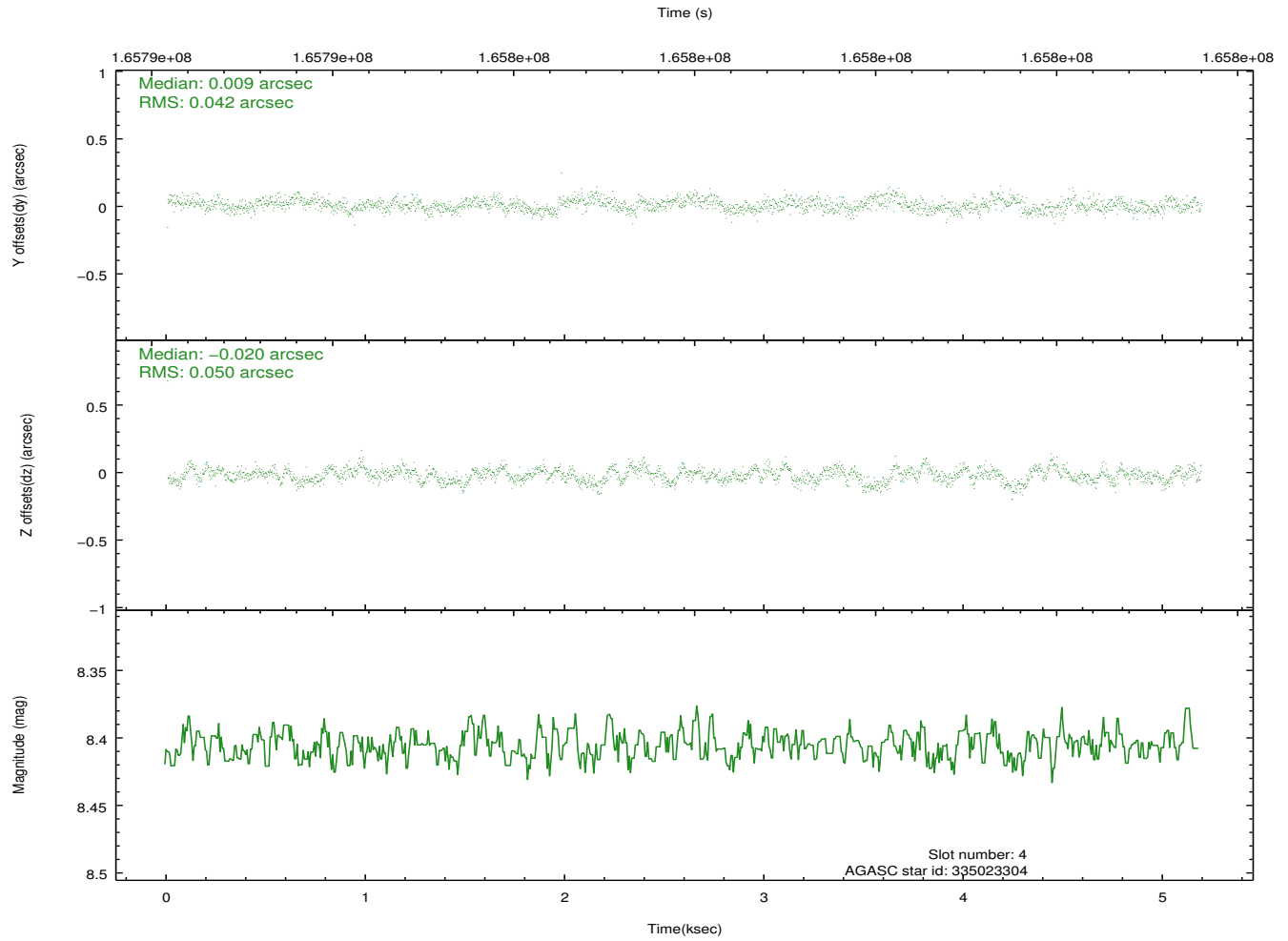
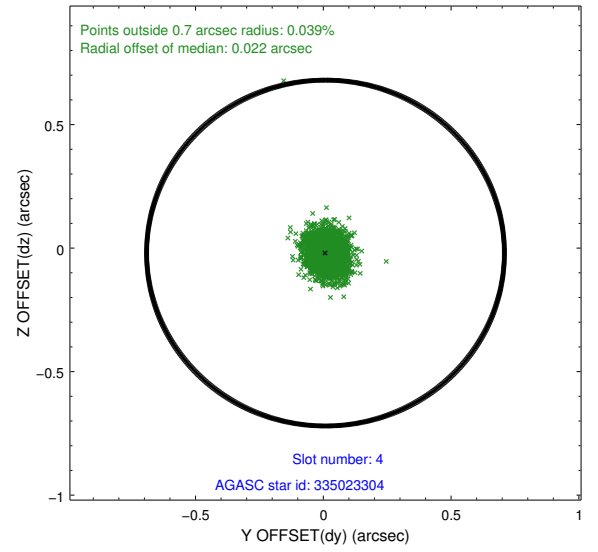
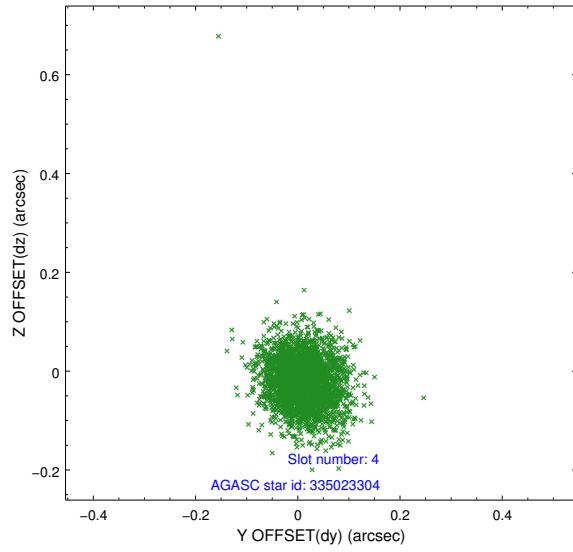
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1266	0.013	-0.006	0.006	0.011	0.000000	0.000000	937.41	-830.08
1	FID	ACIS-I-5	7.24	1265	-0.081	0.053	0.006	0.010	0.000000	0.000000	-1810.10	1066.94
2	FID	ACIS-I-6	7.26	1265	-0.023	0.023	0.007	0.011	0.000000	0.000000	401.71	1712.69
3	GUIDE	335020984	9.97	2530	0.074	-0.179	0.121	0.190	218.841668	33.815112	-1311.19	1996.50
4	GUIDE	335023304	8.41	2532	0.009	-0.020	0.067	0.111	218.883608	34.686545	573.61	-512.65
5	GUIDE	335025040	9.91	2524	0.034	0.040	0.112	0.186	218.601670	34.305240	357.10	1079.18
6	GUIDE	335152968	9.77	2531	0.036	0.052	0.132	0.209	219.446087	34.867883	-297.65	-2072.50
7	GUIDE	335414336	8.97	2529	-0.155	0.114	0.067	0.106	218.979022	35.090910	1276.34	-1819.91

2.4 Star Slots

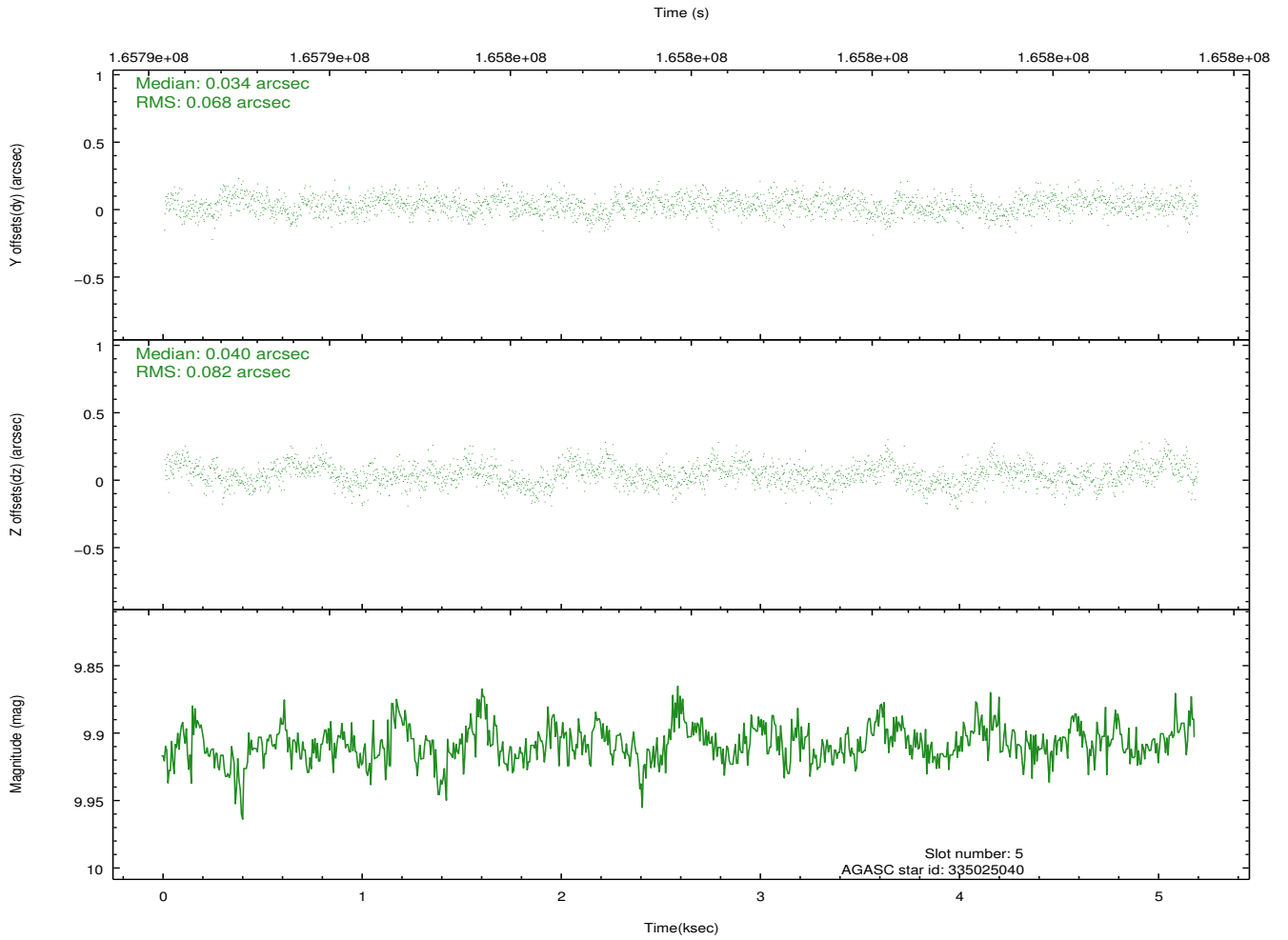
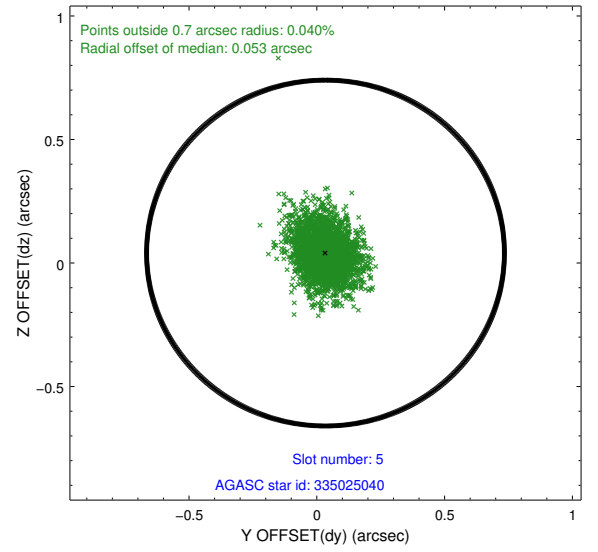
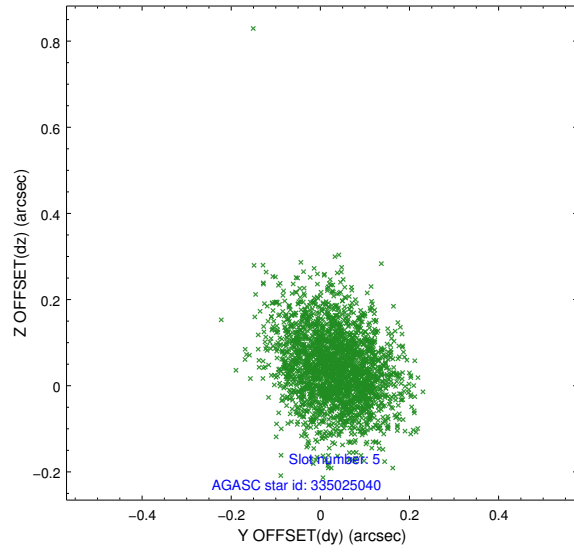
2.4.1 Slot 3



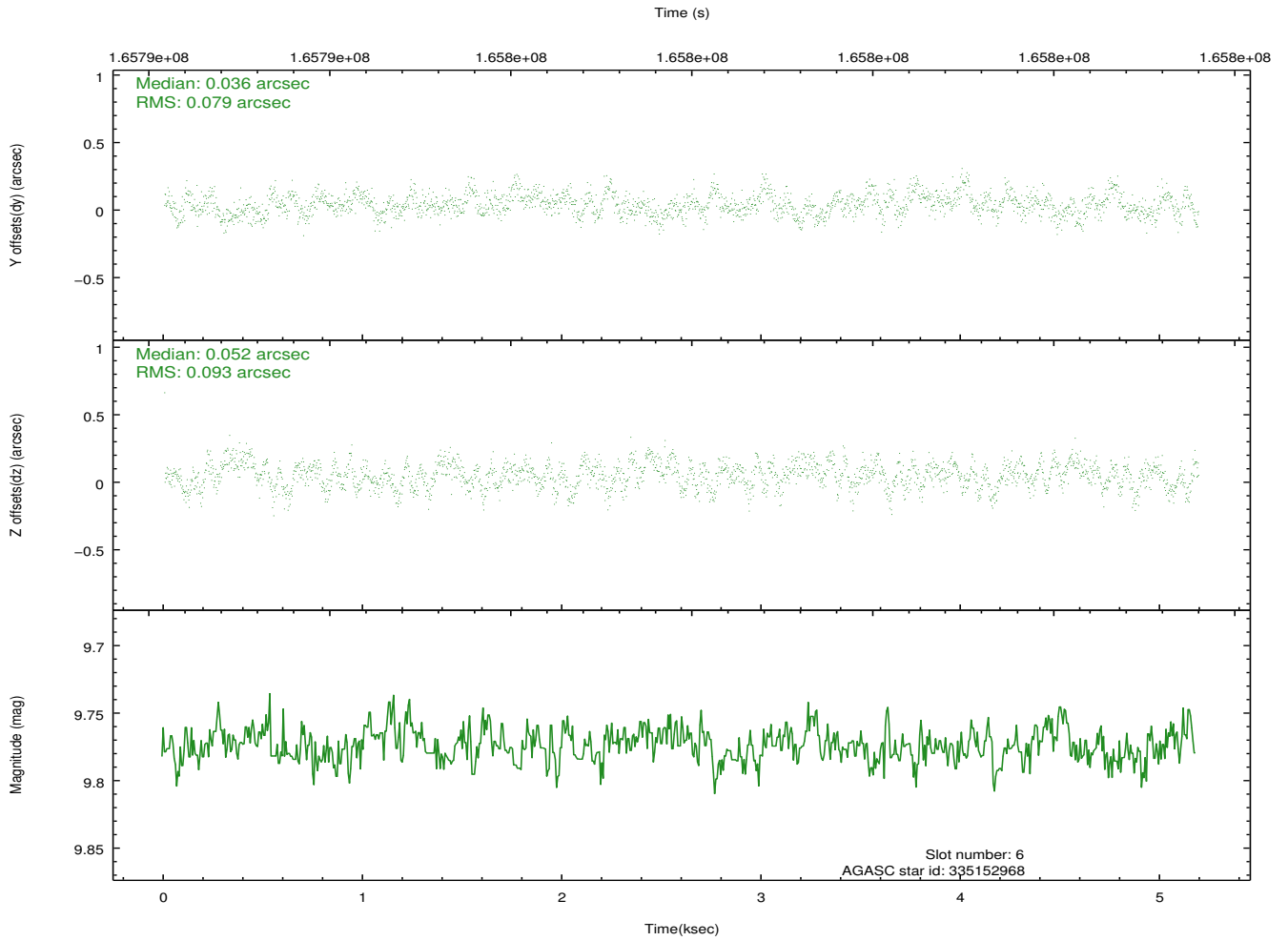
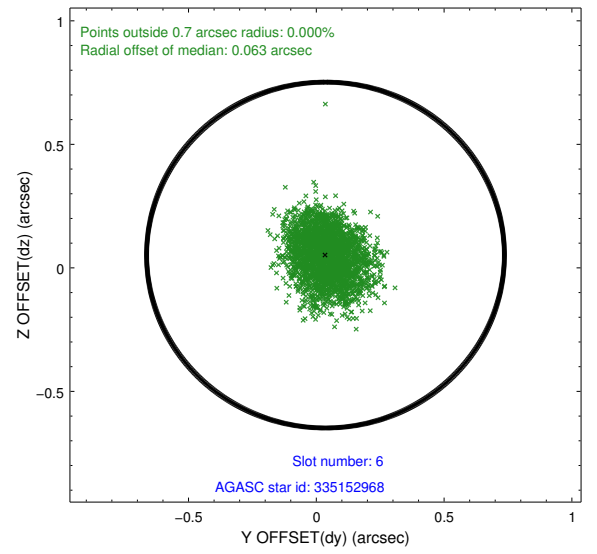
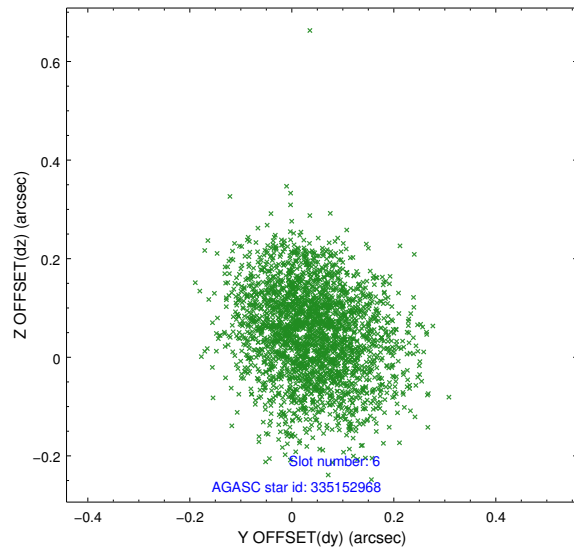
2.4.2 Slot 4



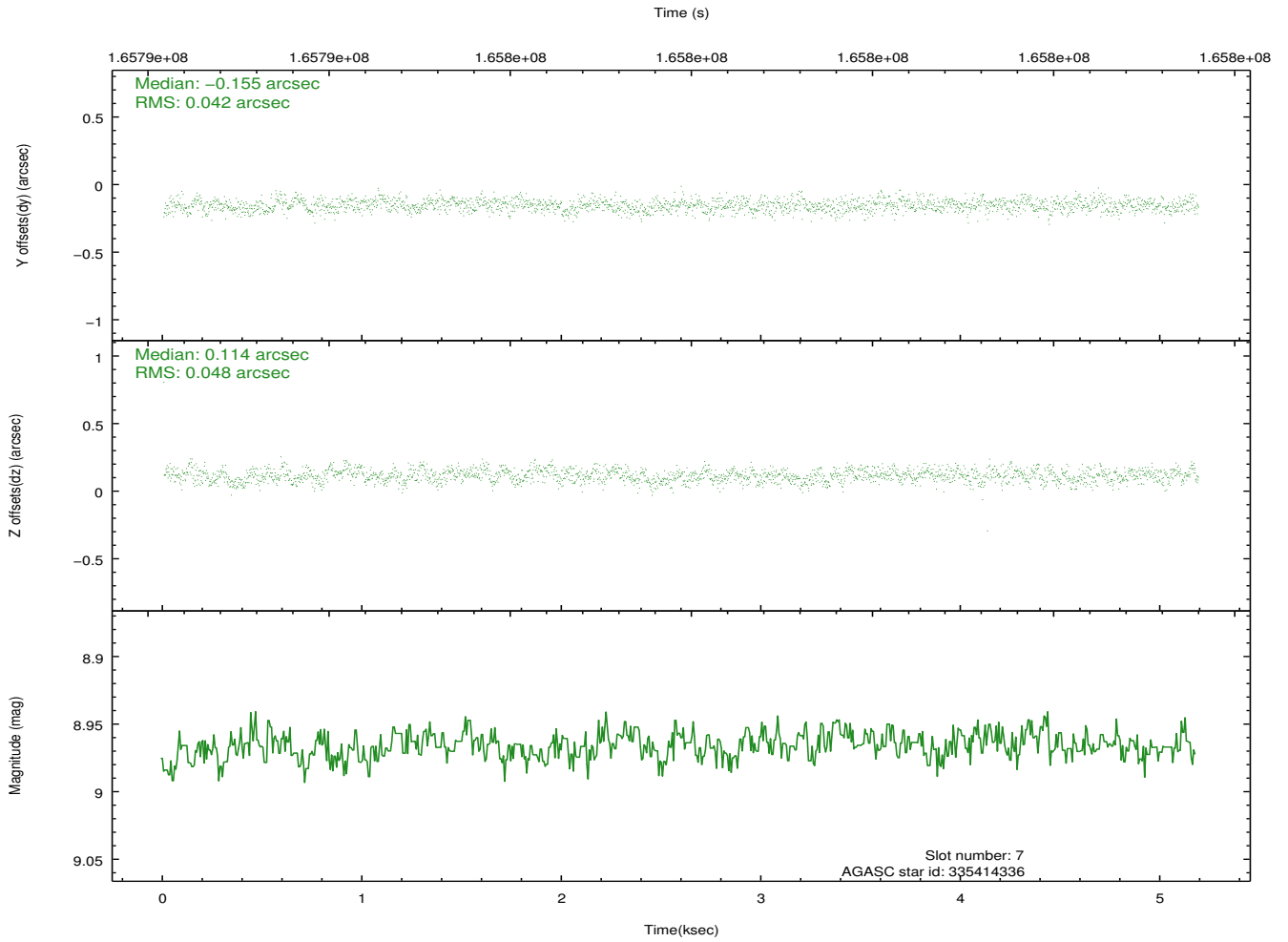
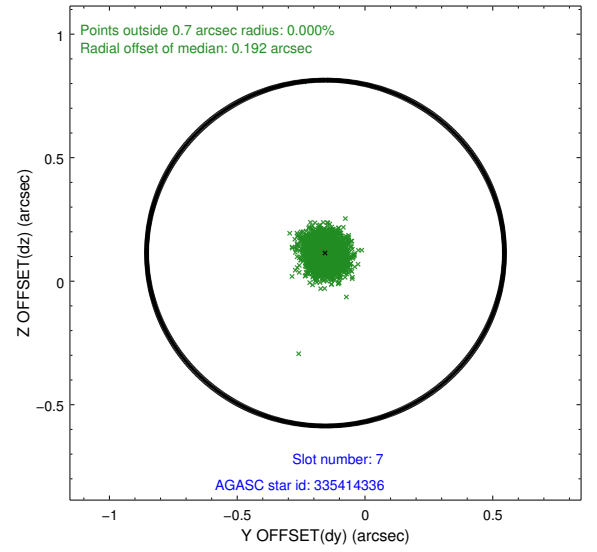
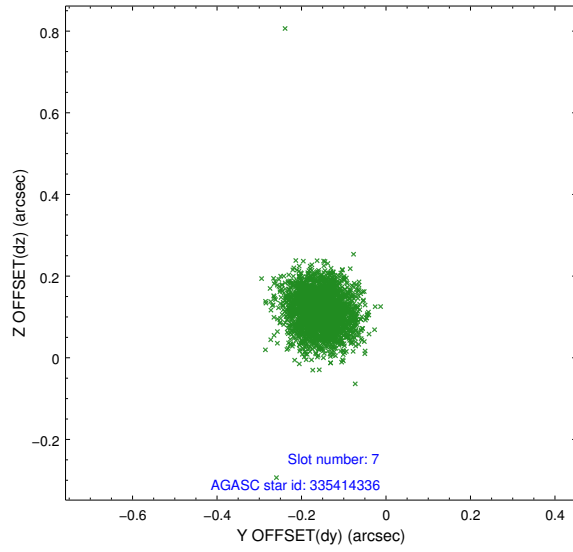
2.4.3 Slot 5



2.4.4 Slot 6

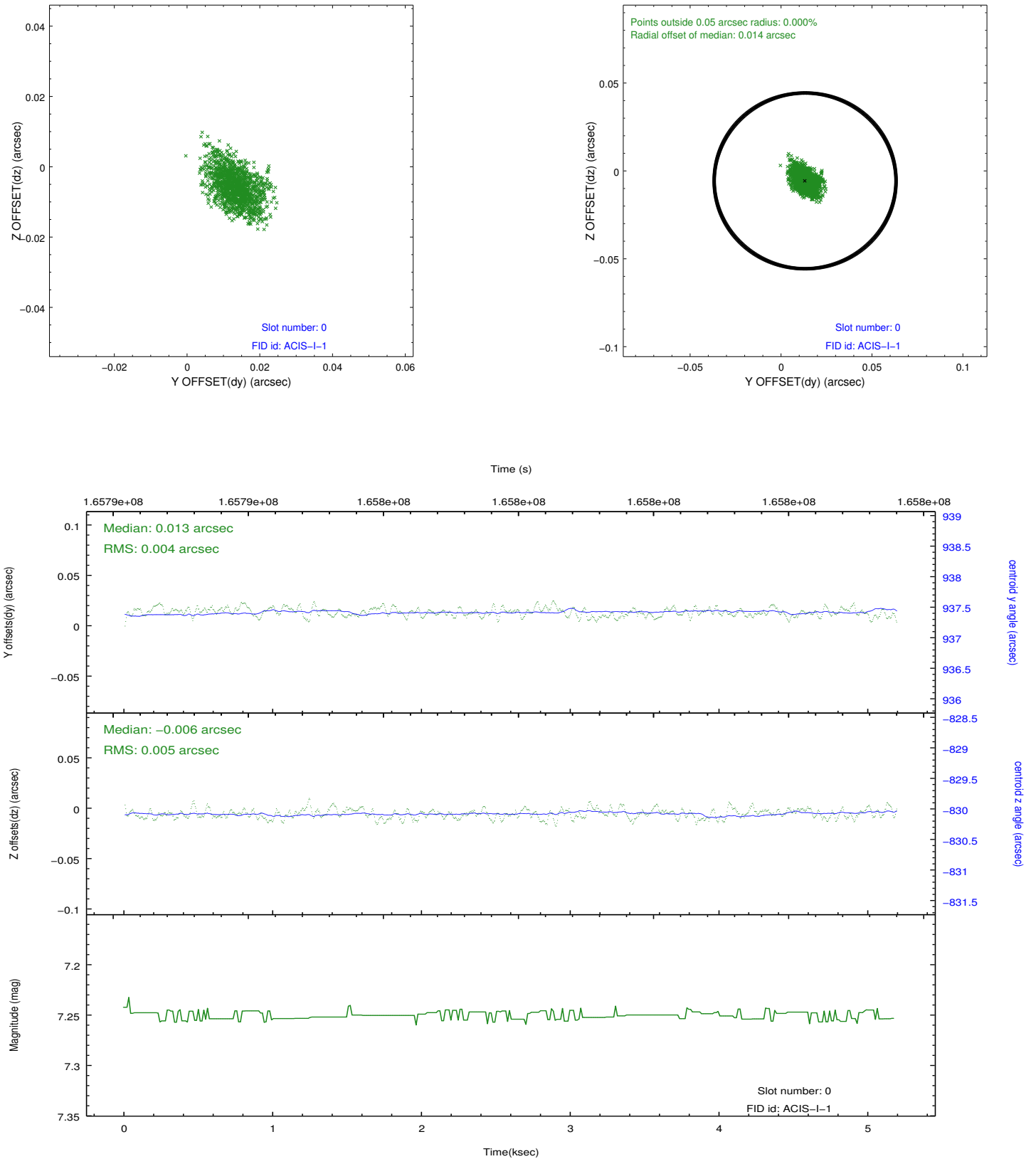


2.4.5 Slot 7

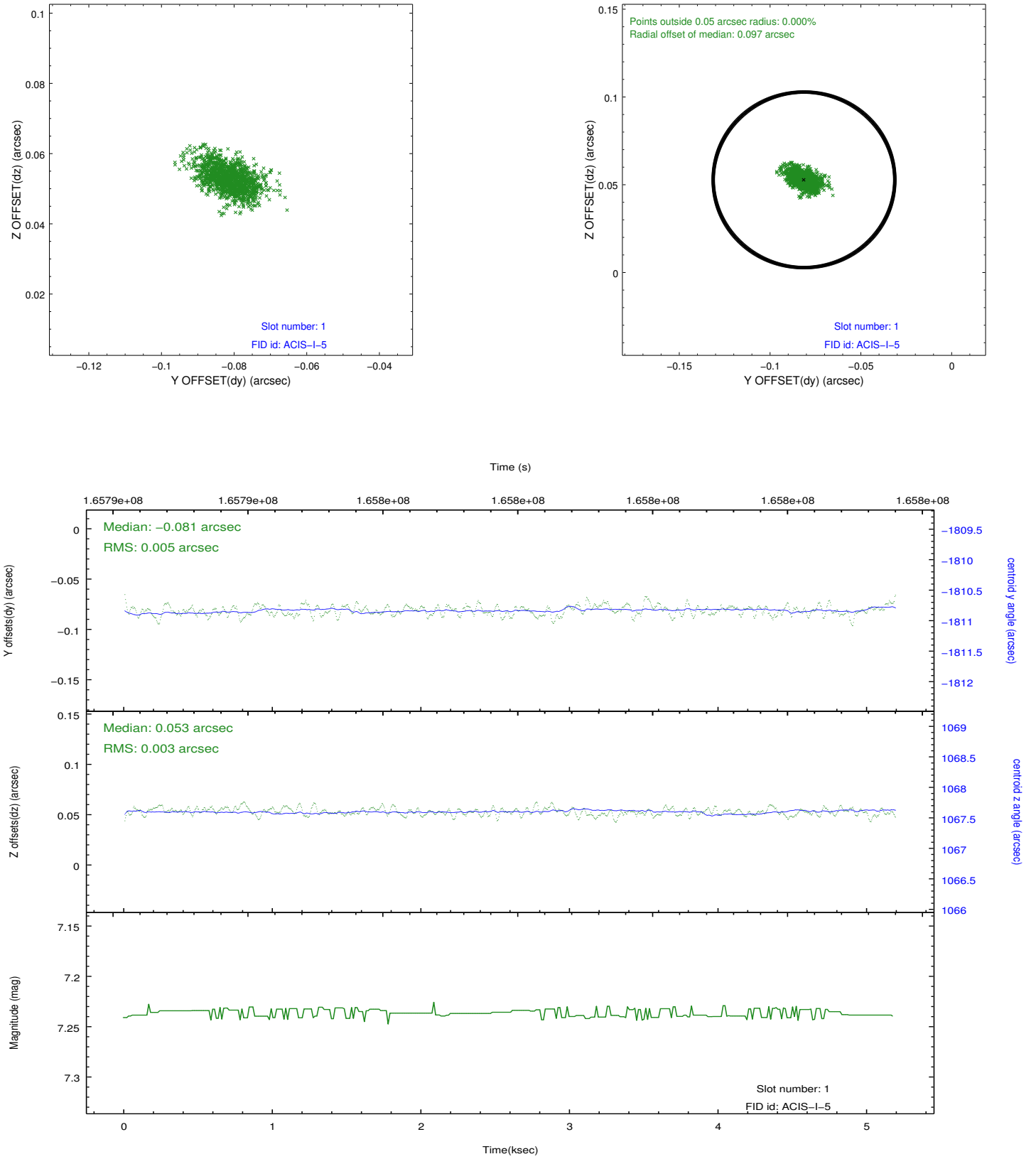


2.5 FID Slots

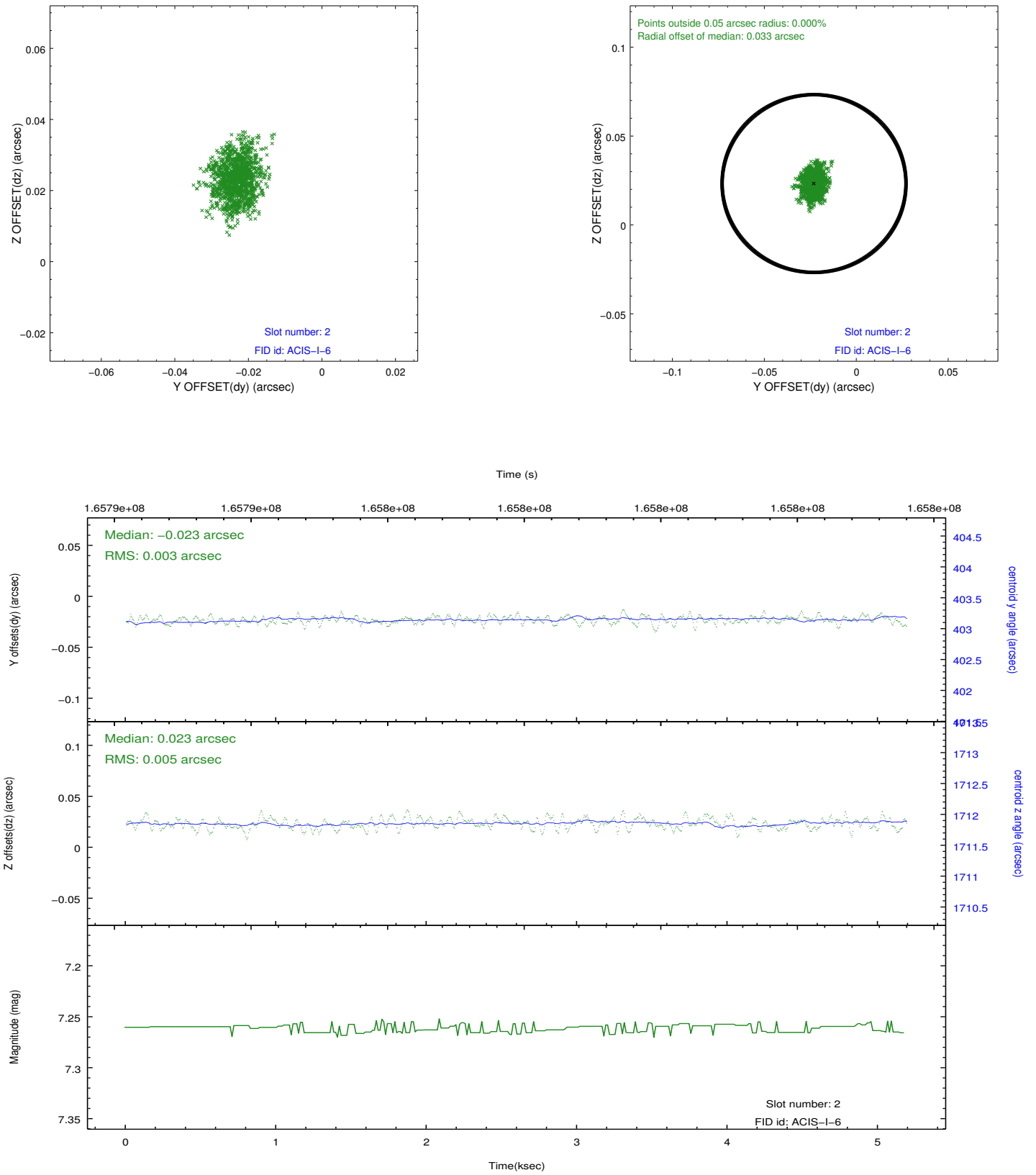
2.5.1 Slot 0



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	4.777

A.2 Comments