

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3610 - L2 Version 3
Chandra X-Ray Center

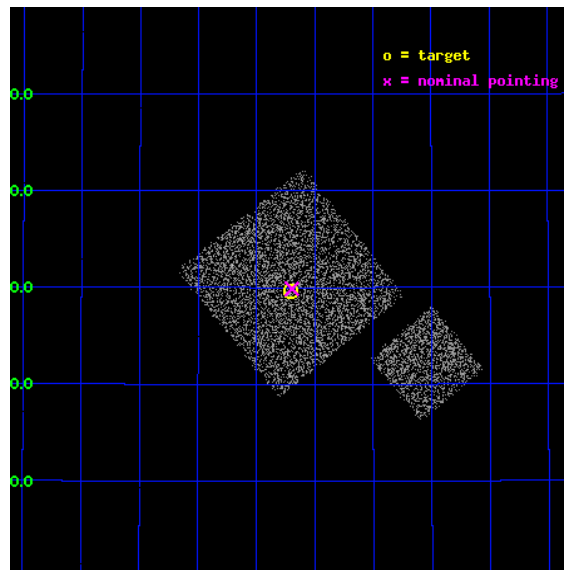
L2 Processing Date : Oct 25 2012

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1 Front

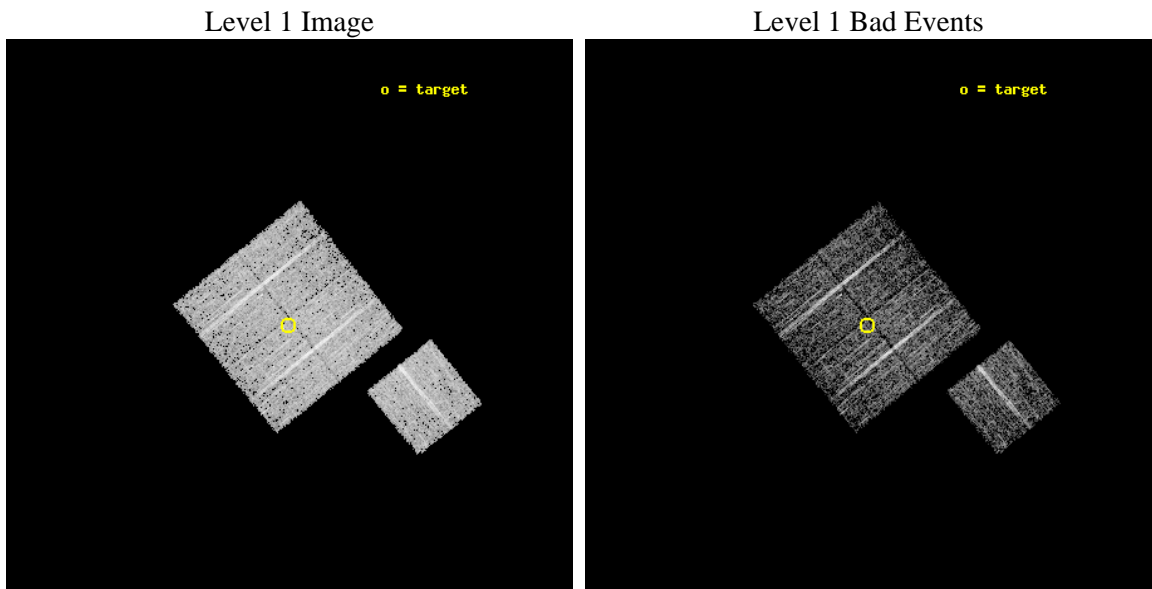
seq_num	900210	Sequence number
obs_id	3610	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F36	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.676831	Observer's specified target RA [deg]
dec_targ	35.493858	Observer's specified target Dec [deg]
ra_nom	218.67415931639	Nominal RA [deg]
dec_nom	35.497832534821	Nominal Dec [deg]
roll_nom	141.01024021432	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4773.7805889845	Sum of GTIs [s]
livetime	4711.4076311833	Livetime [s]
ontime0	4776.7984392047	Sum of GTIs [s]
ontime1	4776.839479208	Sum of GTIs [s]
ontime2	4776.8805192113	Sum of GTIs [s]
ontime3	4773.7805889845	Sum of GTIs [s]
ontime6	4776.7573992014	Sum of GTIs [s]
l2events	9739	Number of level 2 events



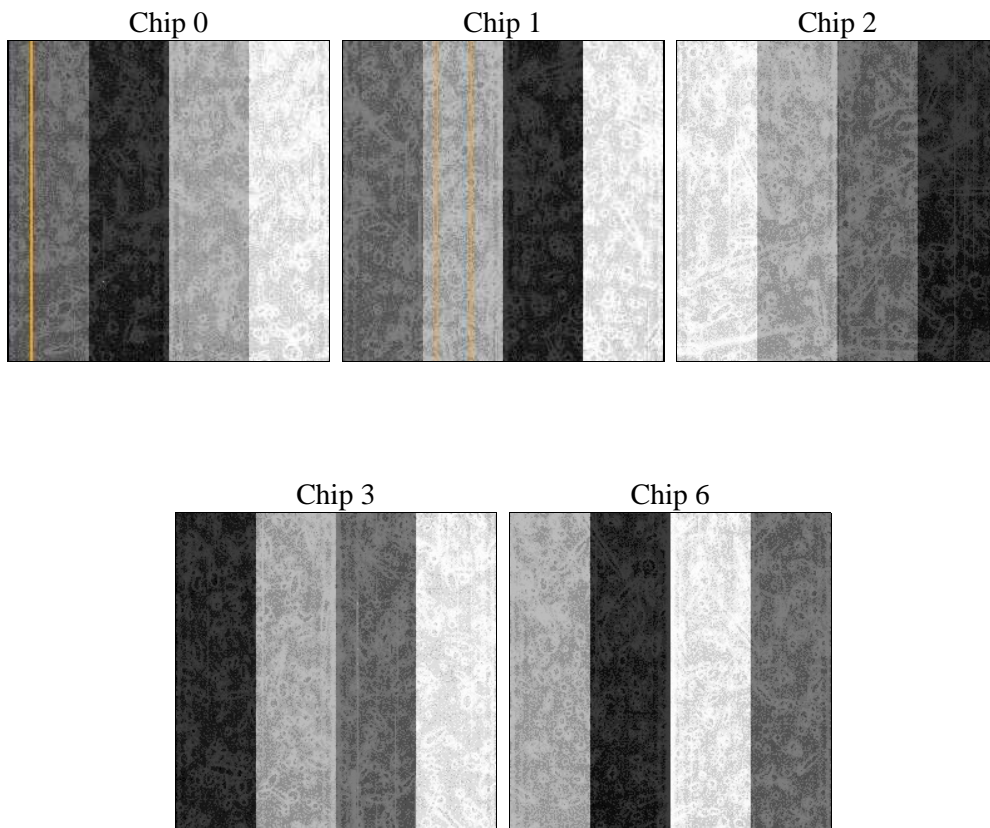
2 OBI

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	4773.7805889845	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4776.7984392047	Sum of GTIs [s]
date	2012-10-25T23:41:09	Date and time of file creation	ontime1	4776.839479208	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4776.8805192113	Sum of GTIs [s]
			ontime3	4773.7805889845	Sum of GTIs [s]
			ontime6	4776.7573992014	Sum of GTIs [s]
			l1events	117348	Number of level 1 events

2.1.4 Events

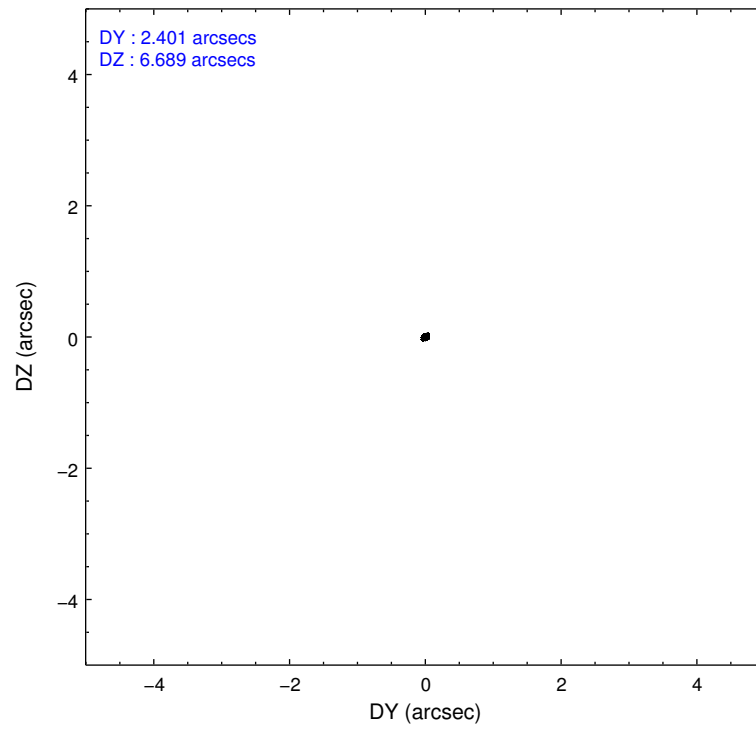
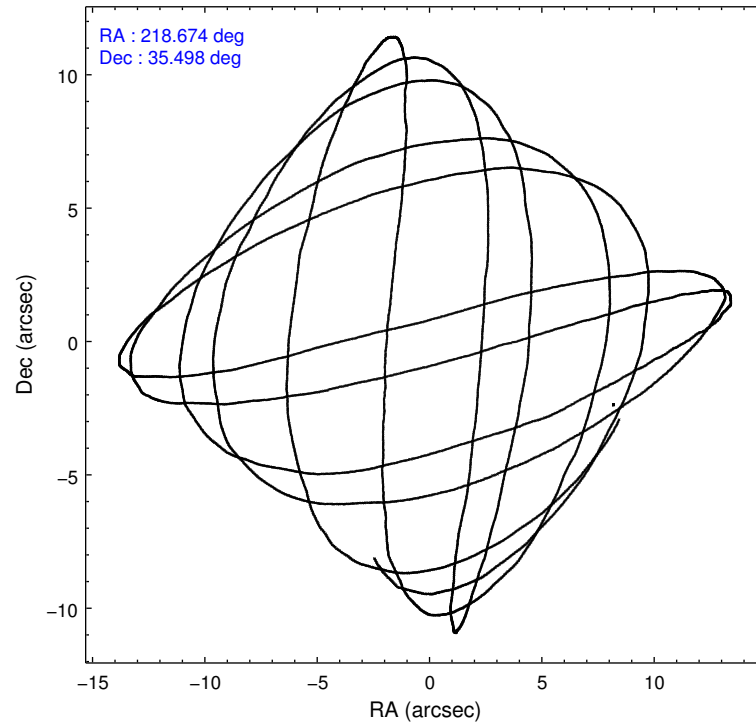
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21029	22697	25833	23599	24190
rejected events	18703	20184	23440	21311	21811
rejected %	88%	88%	90%	90%	90%

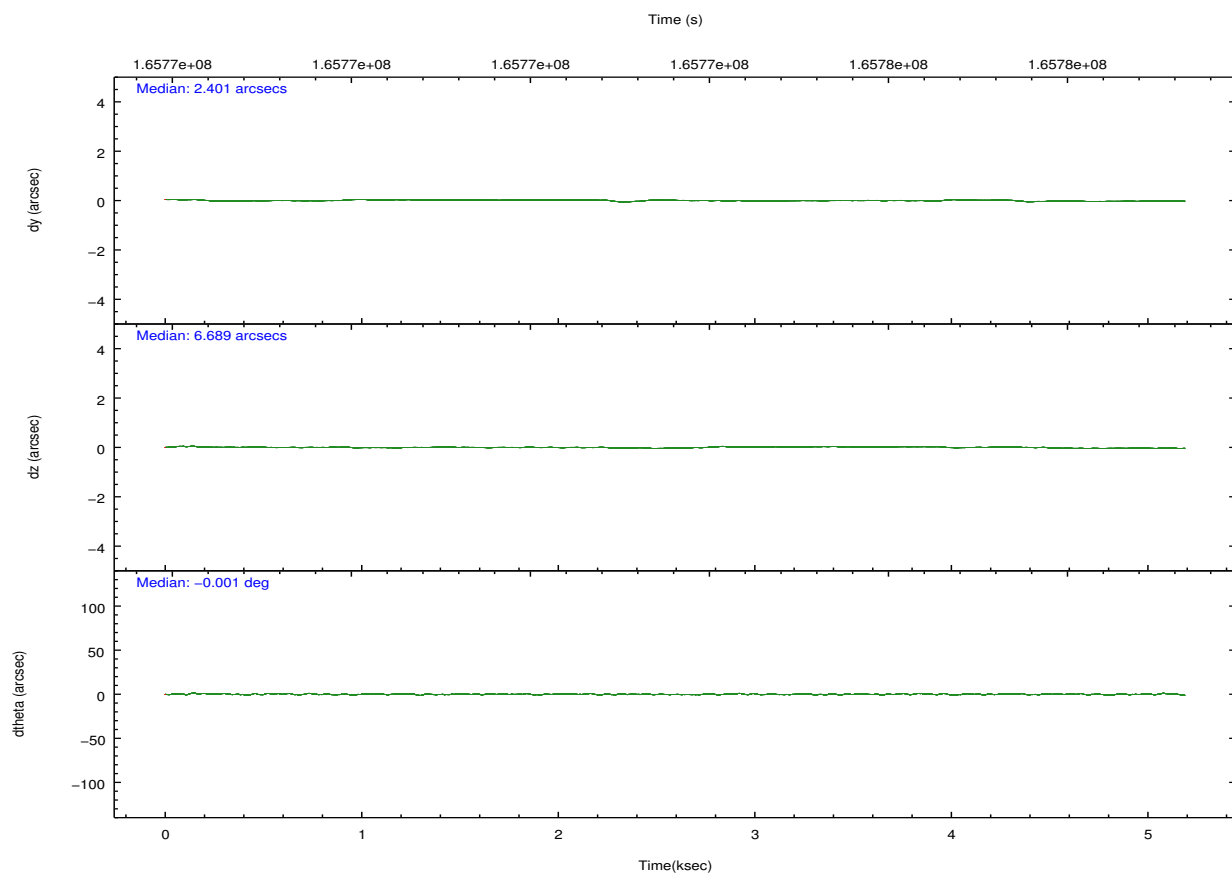
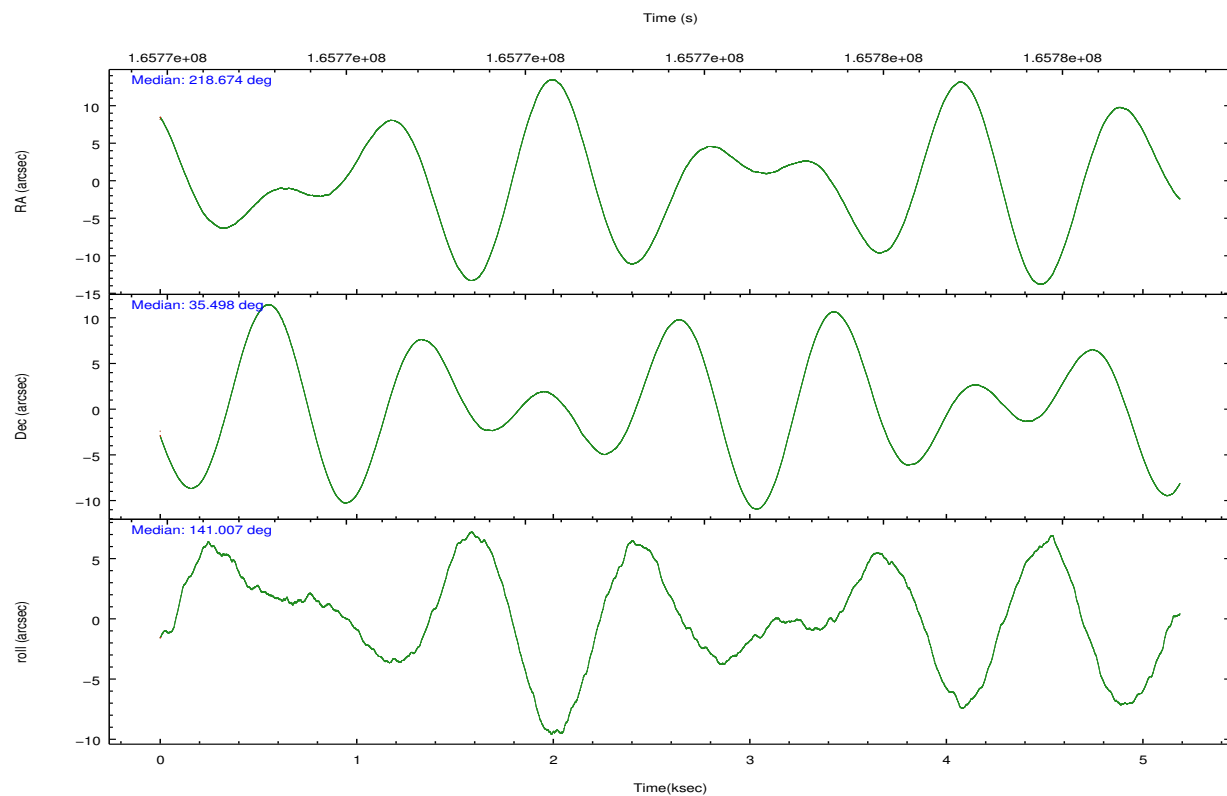
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	815	813	936	922	822
	3%	3%	3%	3%	3%
grade 1 events	11	11	12	17	8
	0%	0%	0%	0%	0%
grade 2 events	518	551	530	477	491
	2%	2%	2%	2%	2%
grade 3 events	296	318	275	254	290
	1%	1%	1%	1%	1%
grade 4 events	252	330	295	246	295
	1%	1%	1%	1%	1%
grade 5 events	702	768	663	802	767
	3%	3%	2%	3%	3%
grade 6 events	445	509	357	392	481
	2%	2%	1%	1%	1%
grade 7 events	17990	19397	22765	20489	21036
	85%	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	218.707392	218.6741593163924	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.493779	35.49783253482094	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782250	141.0102402143153	[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)	165771405.184000	165771029.32849			
Observation start date	2003-04-03T15:35:41	2003-04-03T15:30:29			
[s] Observation end time (MET)	165776405.184000	165776586.87872			
Observation end date	2003-04-03T16:59:01	2003-04-03T17:03:06			
Read mode	TIMED	TIMED			

2.3 Aspect



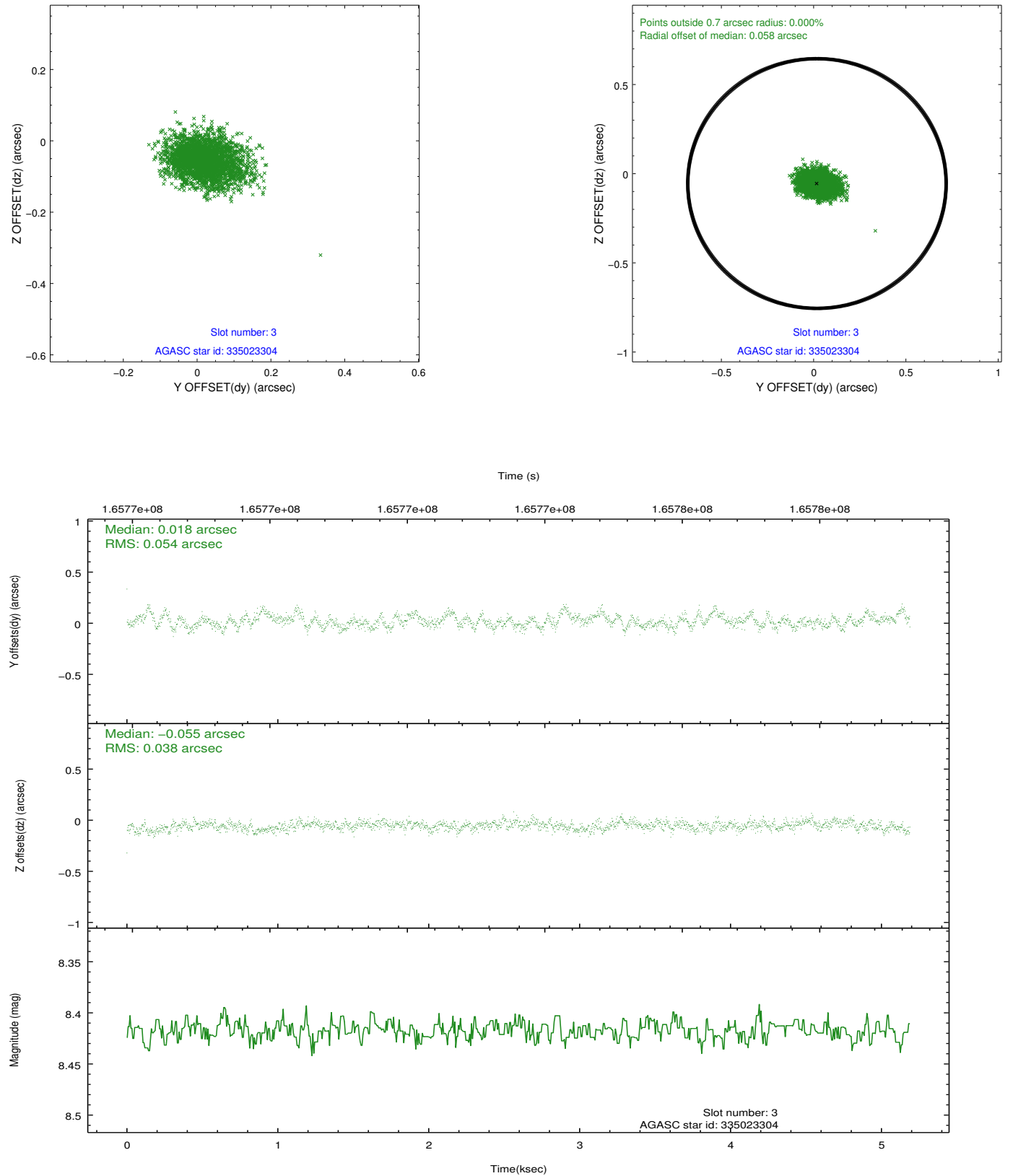


Slot Statistics

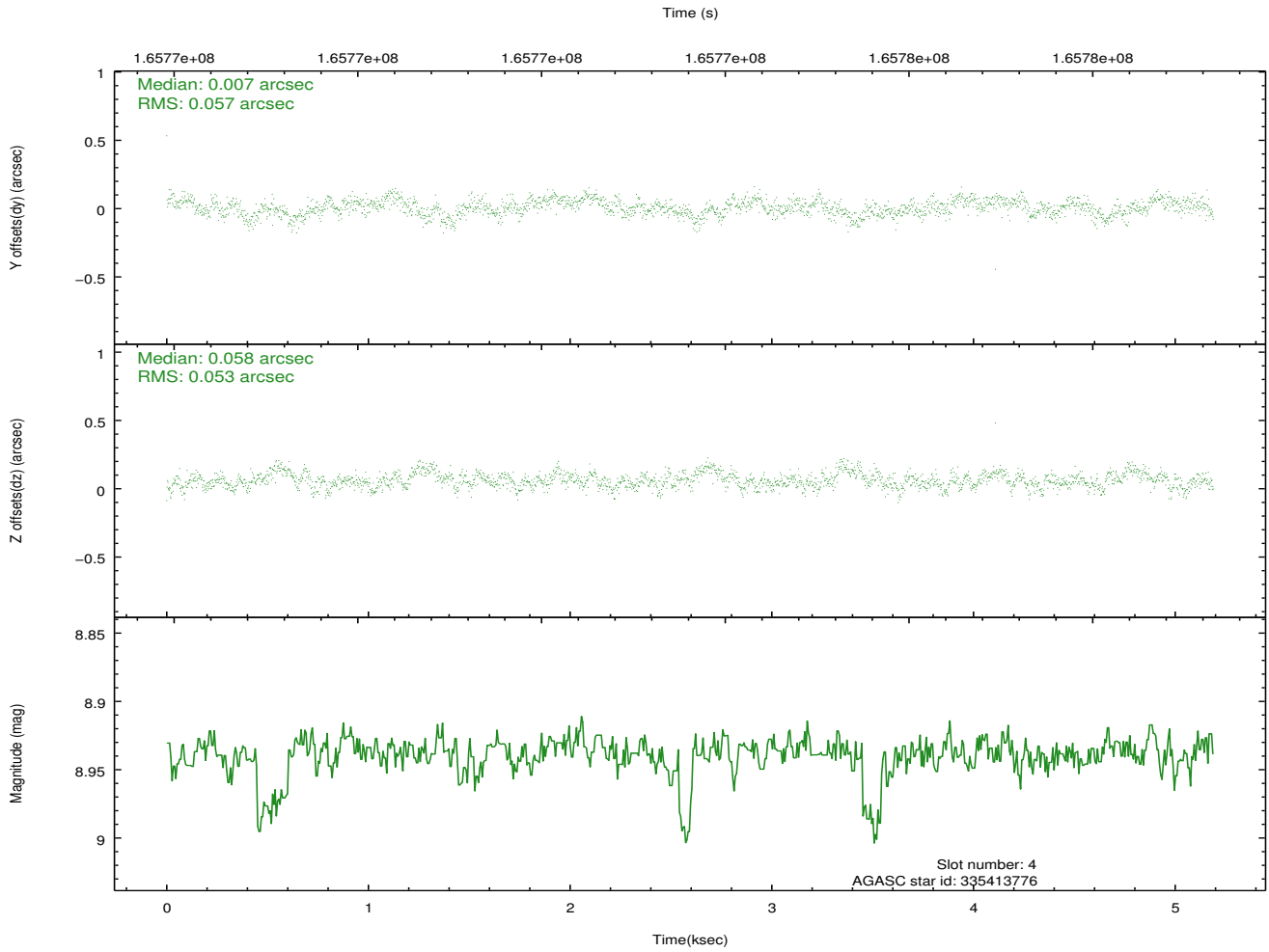
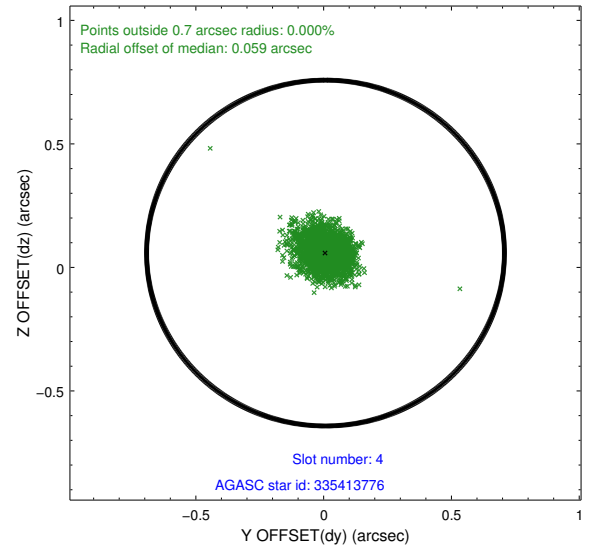
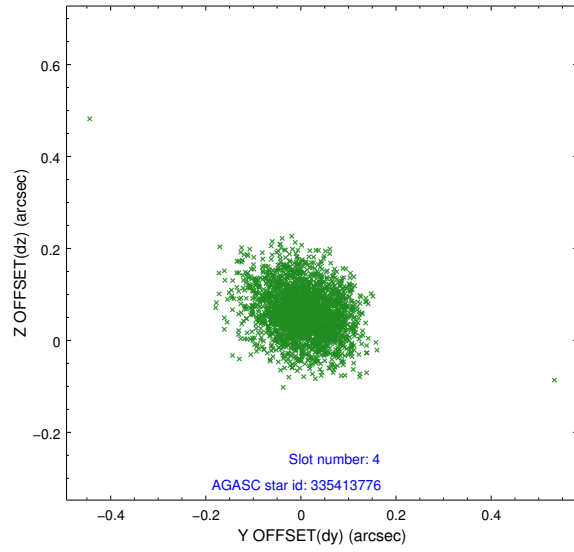
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1266	0.014	-0.006	0.006	0.012	0.000000	0.000000	937.40	-830.10
1	FID	ACIS-I-5	7.24	1265	-0.081	0.054	0.006	0.010	0.000000	0.000000	-1810.11	1066.93
2	FID	ACIS-I-6	7.26	1266	-0.025	0.023	0.007	0.012	0.000000	0.000000	401.70	1712.68
3	GUIDE	335023304	8.42	2532	0.018	-0.055	0.070	0.117	218.883608	34.686545	-2240.95	1921.07
4	GUIDE	335413776	8.94	2532	0.007	0.058	0.081	0.133	218.421411	36.051962	1915.98	-1030.59
5	GUIDE	335414336	8.94	2532	0.017	-0.014	0.152	0.226	218.979022	35.090910	-1535.01	616.29
6	GUIDE	335421696	8.96	2528	-0.014	-0.070	0.069	0.110	218.045699	35.772449	2135.38	439.95
7	GUIDE	335549864	7.52	2531	-0.030	0.089	0.071	0.109	219.286726	35.929745	-311.50	-2287.41

2.4 Star Slots

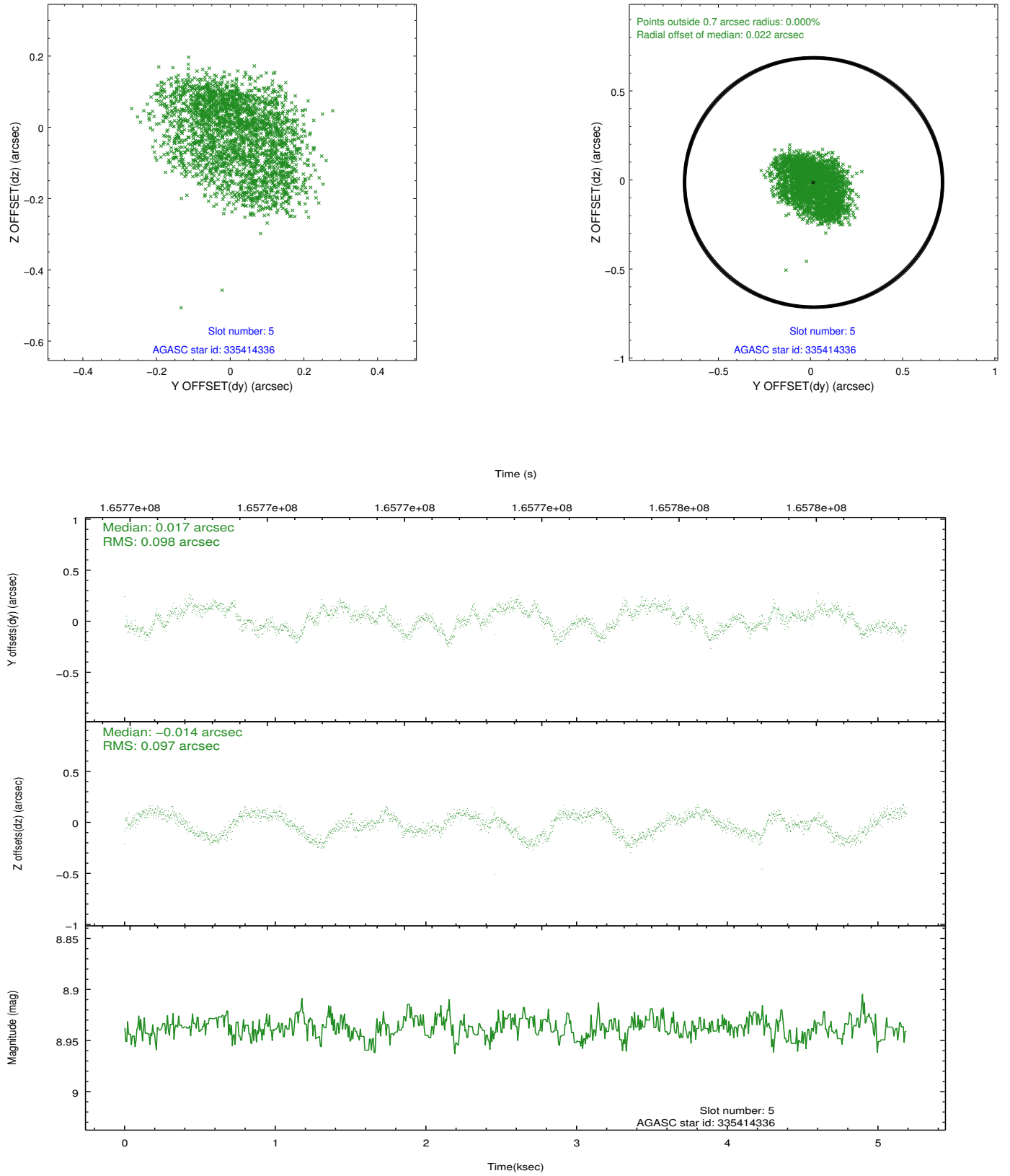
2.4.1 Slot 3



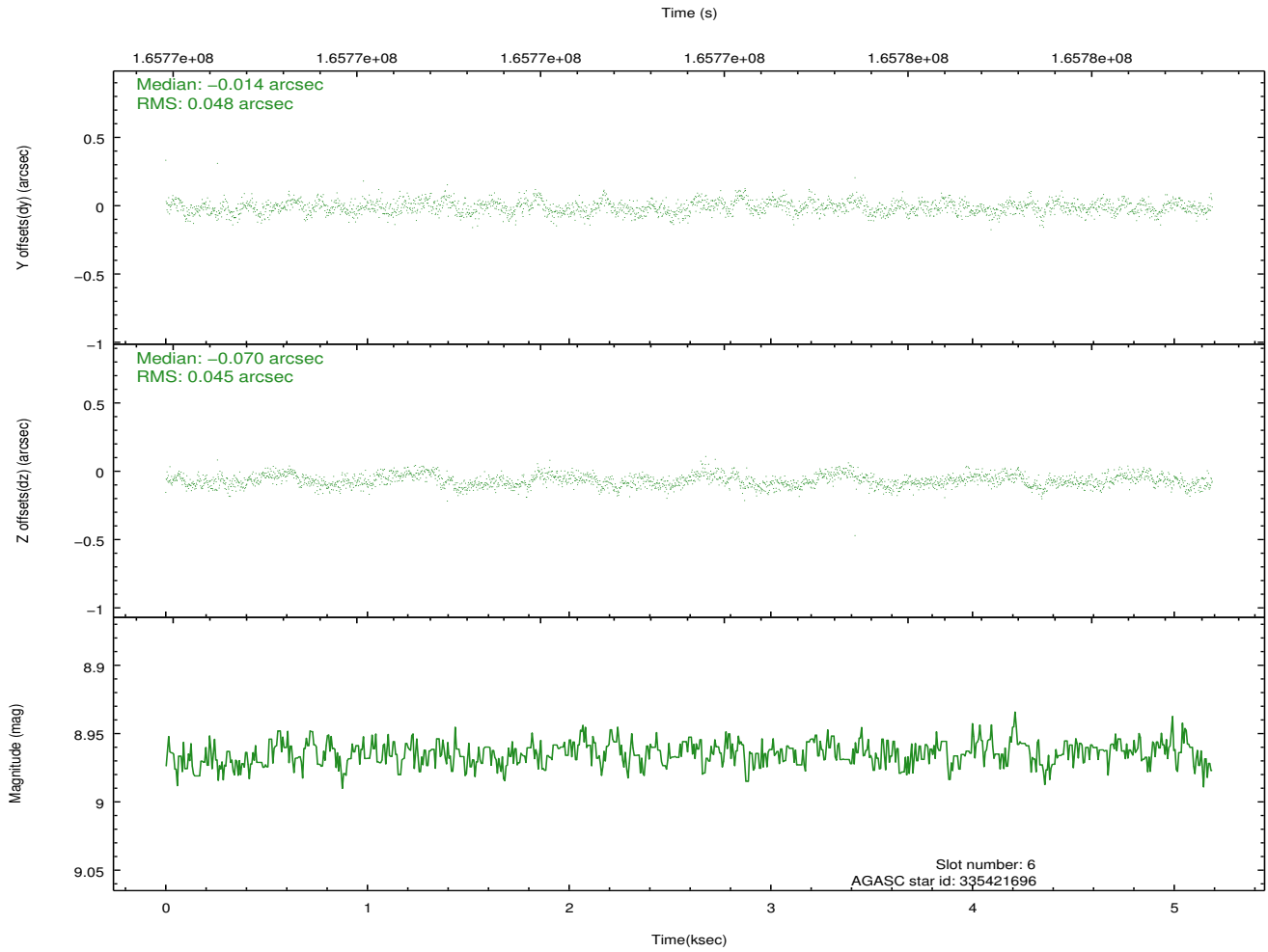
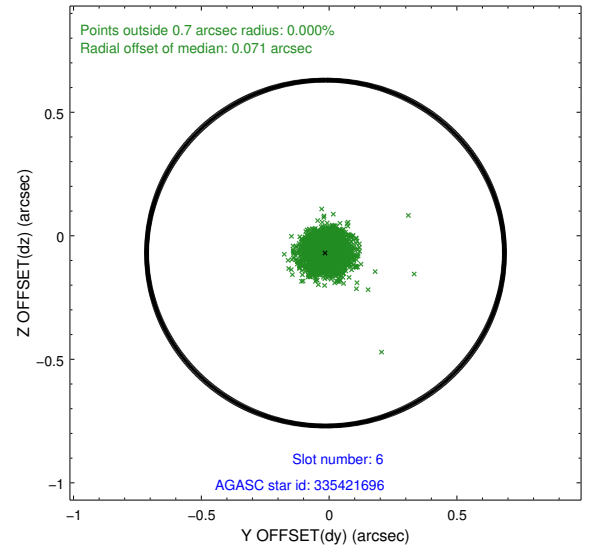
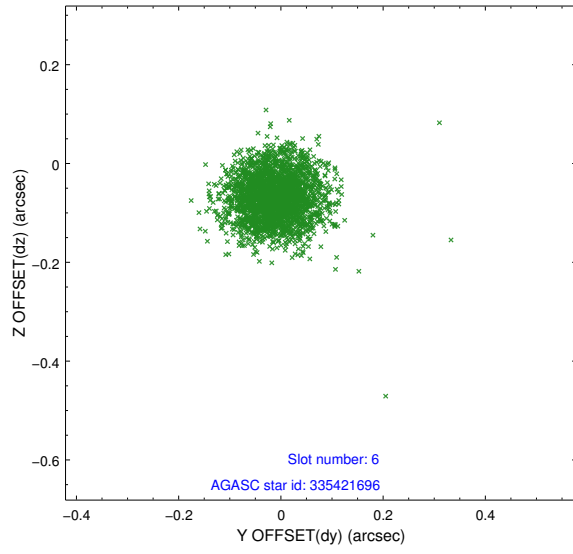
2.4.2 Slot 4



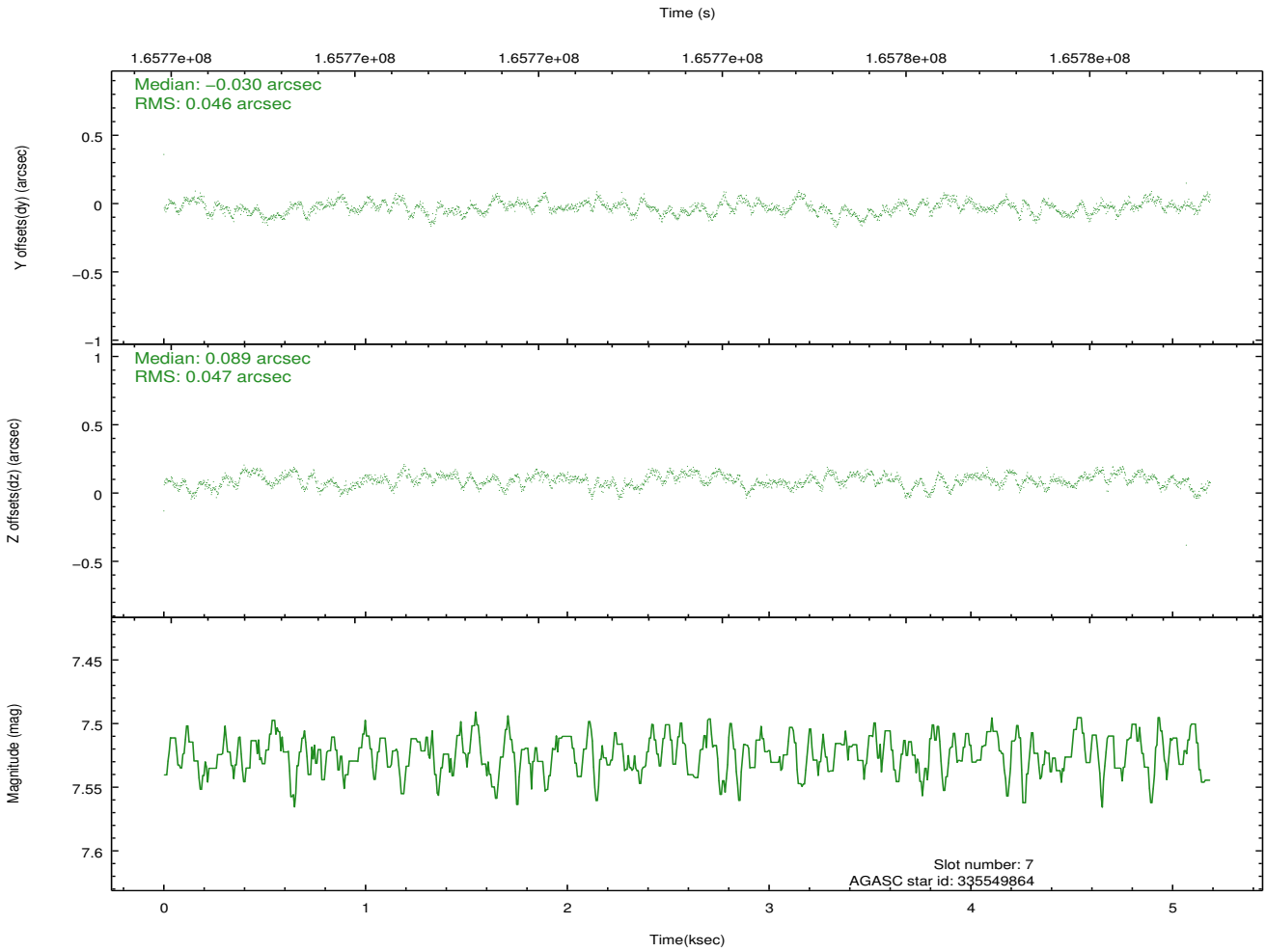
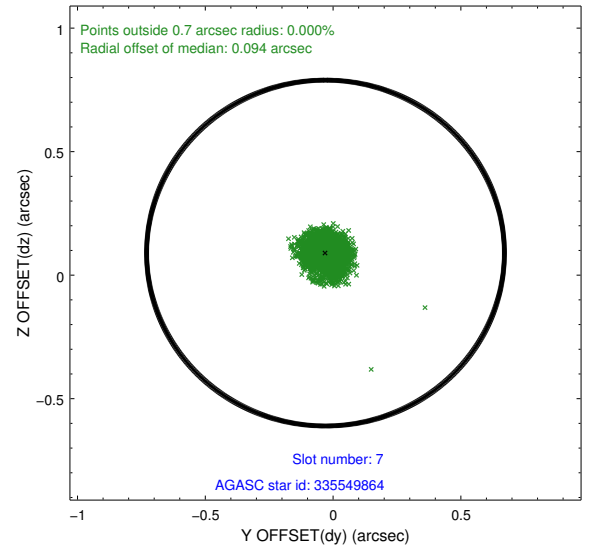
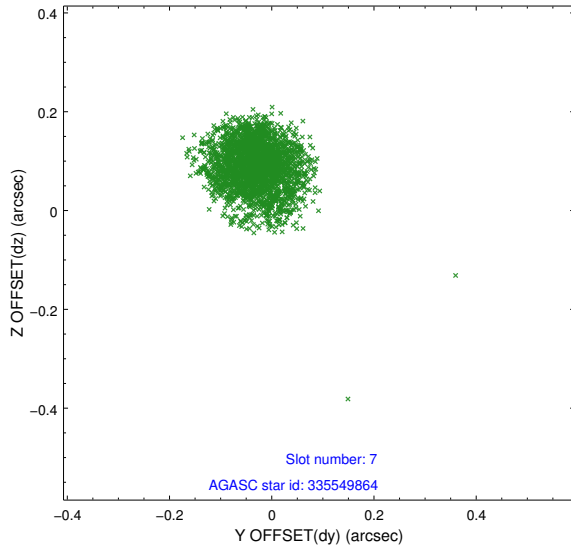
2.4.3 Slot 5



2.4.4 Slot 6

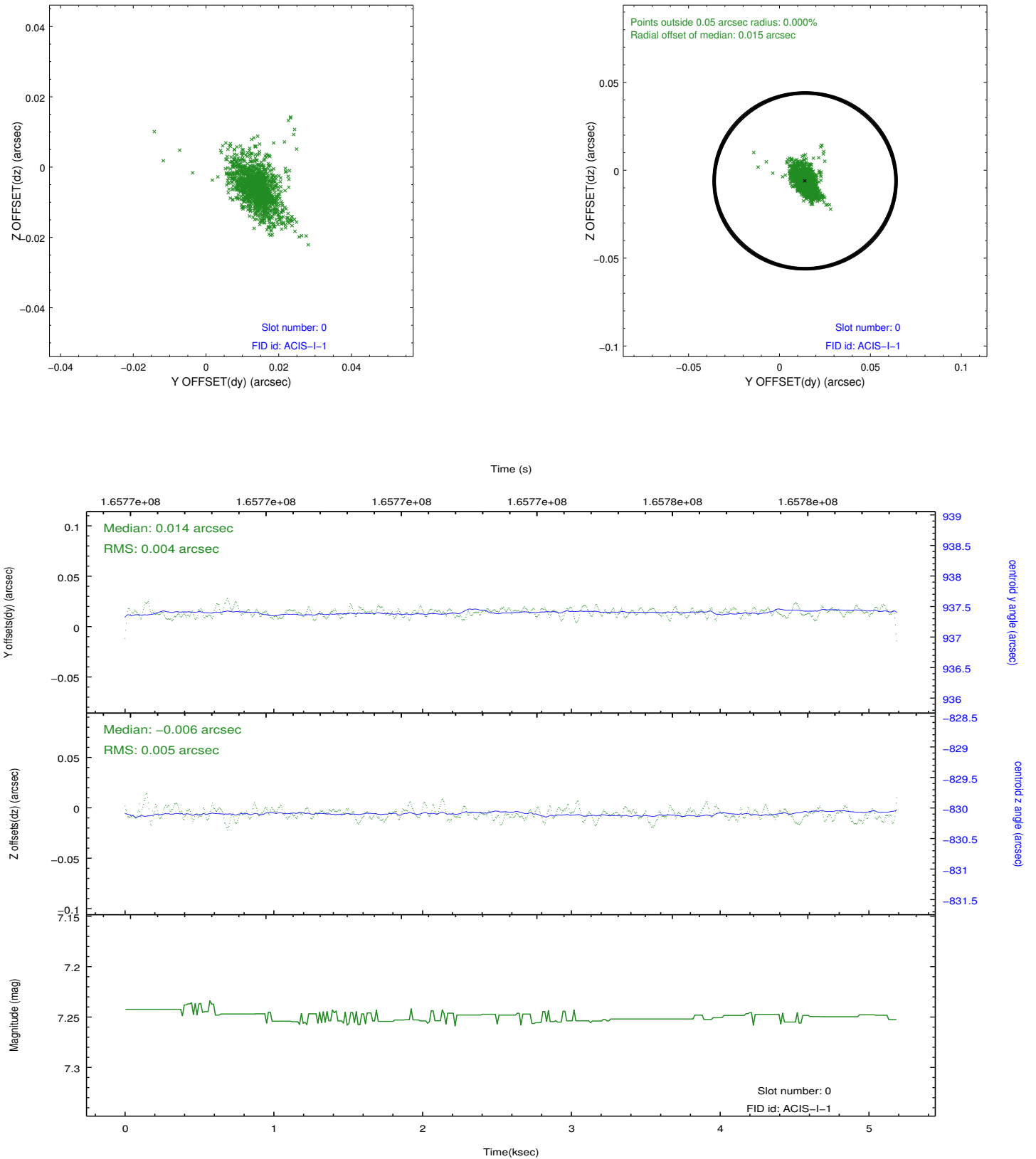


2.4.5 Slot 7

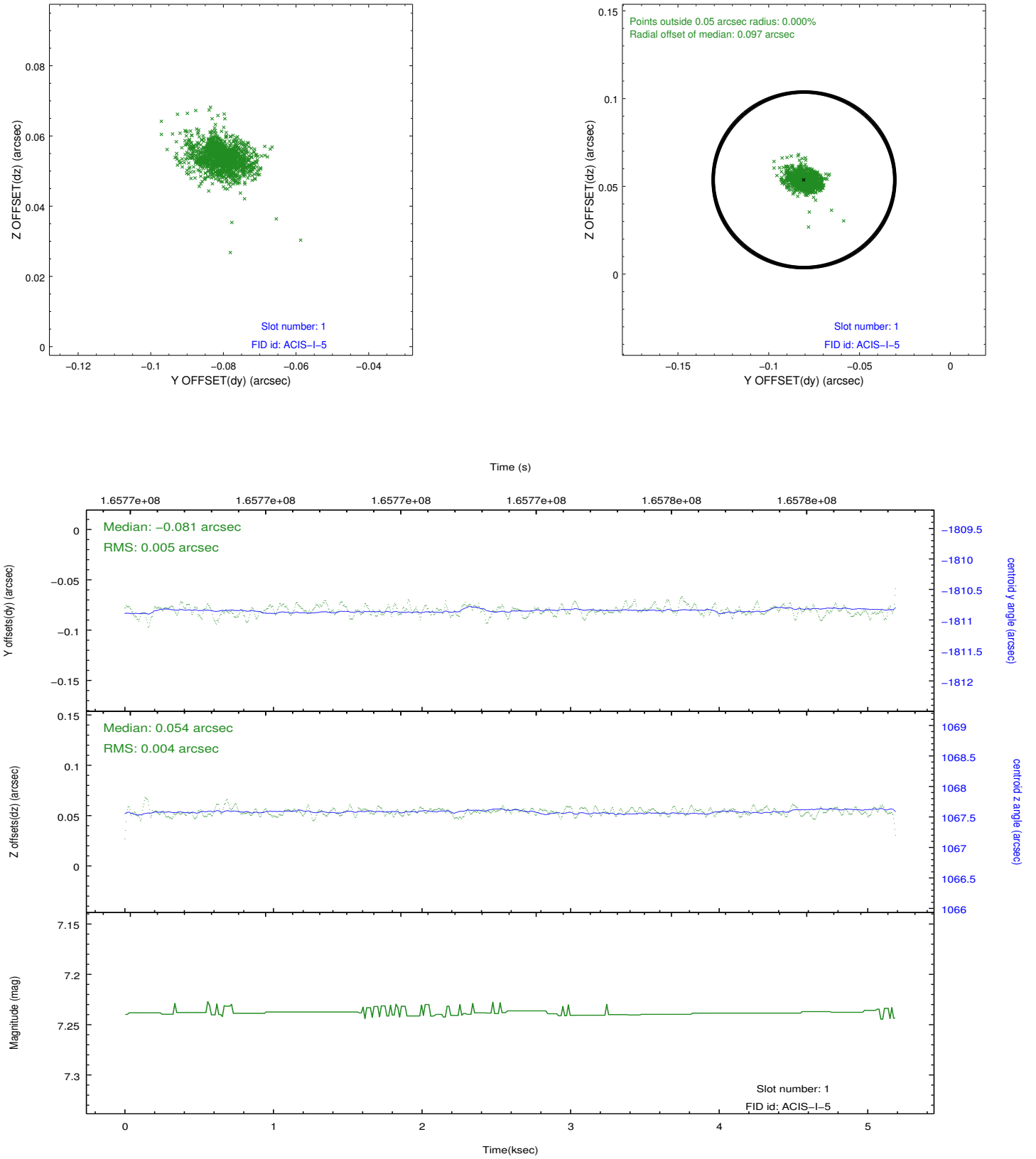


2.5 FID Slots

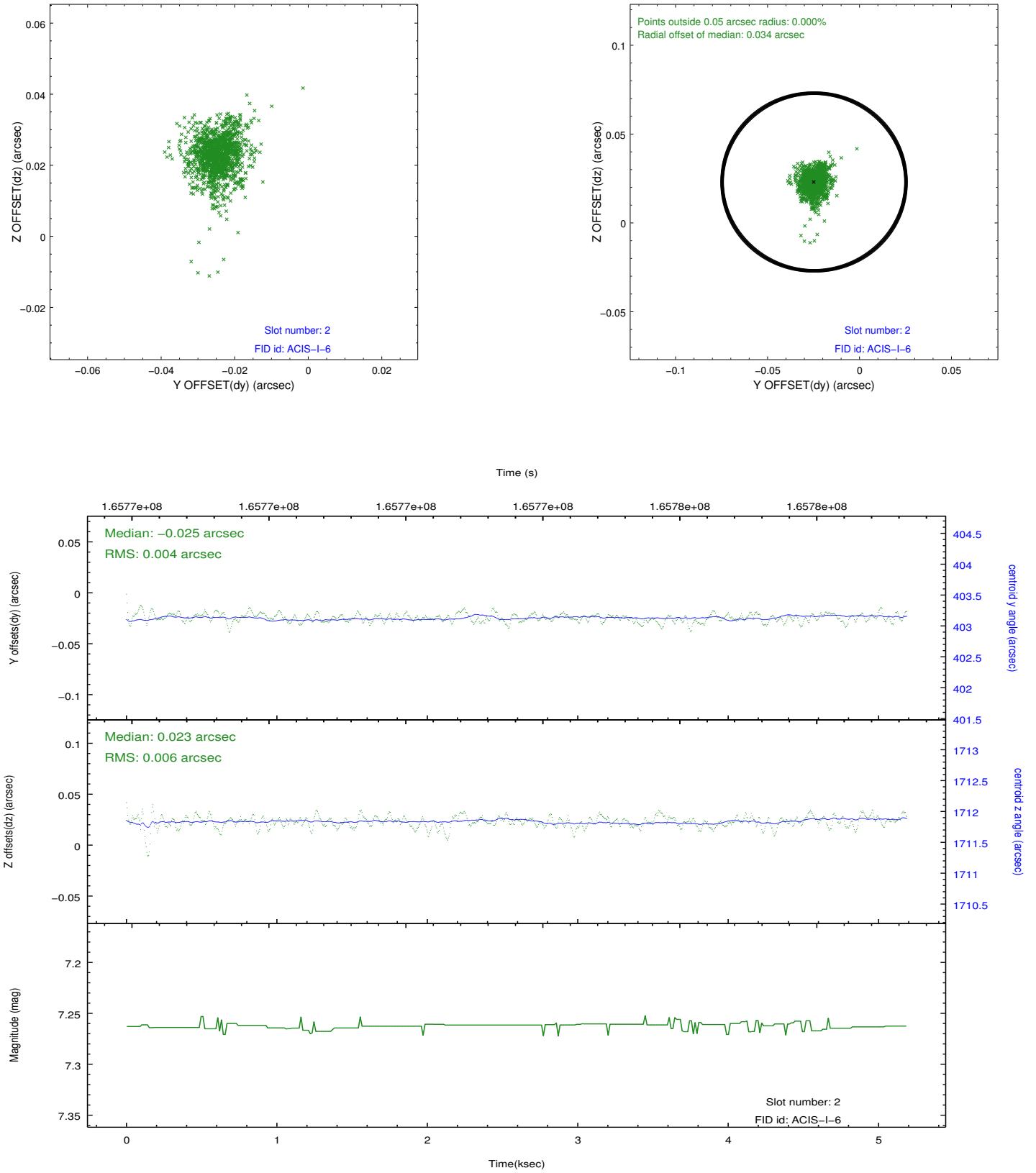
2.5.1 Slot 0



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