

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3648 - L2 Version 4
Chandra X-Ray Center

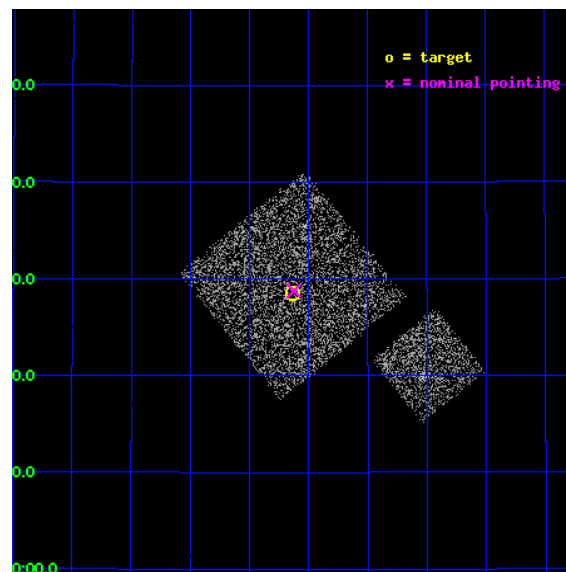
L2 Processing Date : Oct 26 2012

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1 Front

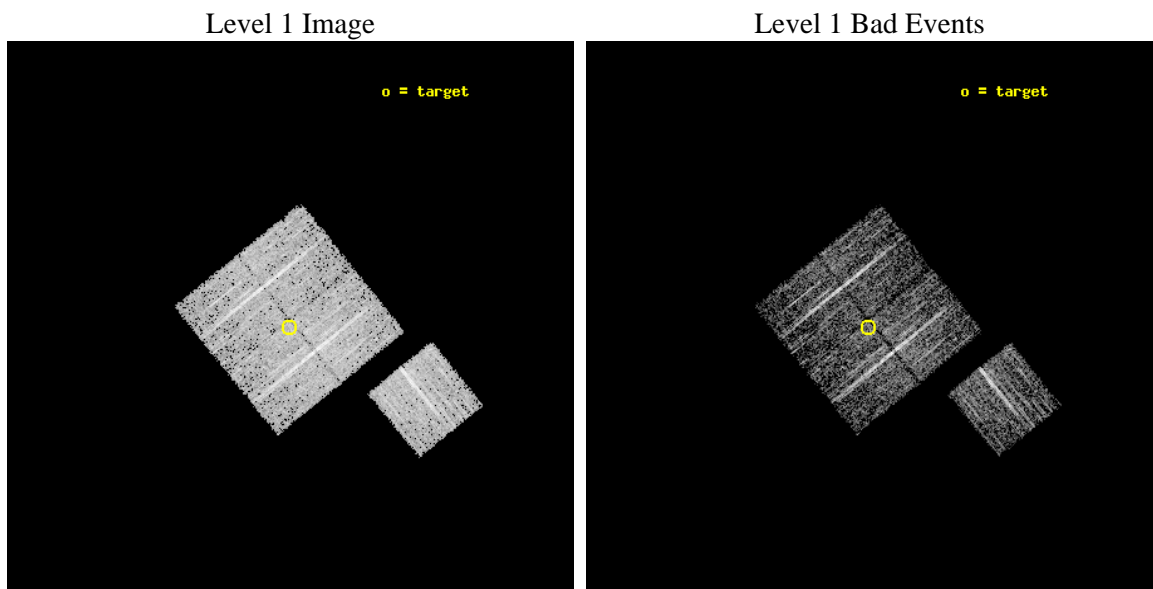
seq_num	900248	Sequence number
obs_id	3648	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F64	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.034014	Observer's specified target RA [deg]
dec_targ	34.475388	Observer's specified target Dec [deg]
ra_nom	218.03132829299	Nominal RA [deg]
dec_nom	34.479466258723	Nominal Dec [deg]
roll_nom	141.01006603666	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4671.0373721123	Sum of GTIs [s]
livetime	4610.0068300779	Livetime [s]
ontime0	4674.0552124083	Sum of GTIs [s]
ontime1	4674.0962723494	Sum of GTIs [s]
ontime2	4674.1372924149	Sum of GTIs [s]
ontime3	4671.0373721123	Sum of GTIs [s]
ontime6	4667.7322717011	Sum of GTIs [s]
l2events	9526	Number of level 2 events



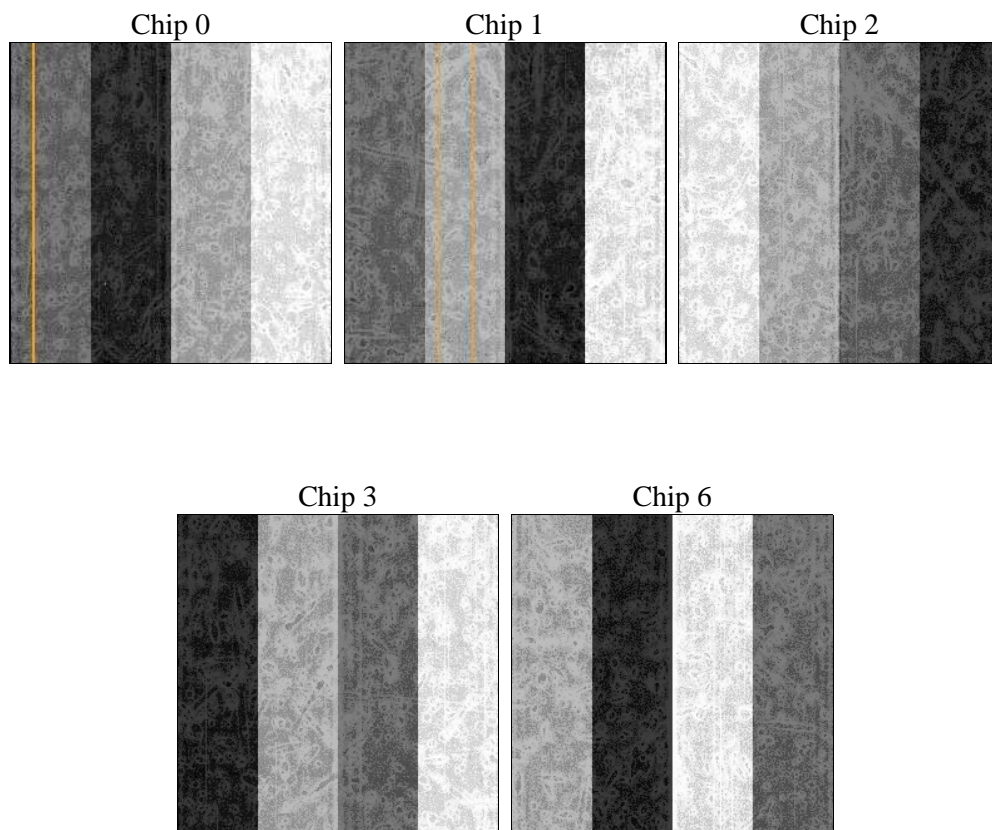
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4671.0373721123	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4674.0552124083	Sum of GTIs [s]
date	2012-10-26T12:27:44	Date and time of file creation	ontime1	4674.0962723494	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	4674.1372924149	Sum of GTIs [s]
			ontime3	4671.0373721123	Sum of GTIs [s]
			ontime6	4667.7322717011	Sum of GTIs [s]
			l1events	114043	Number of level 1 events

2.1.4 Events

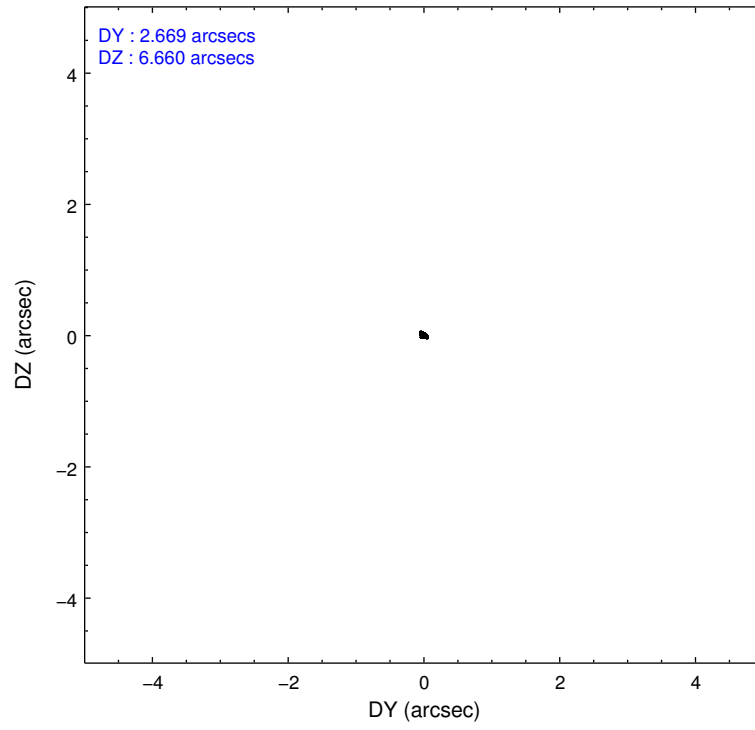
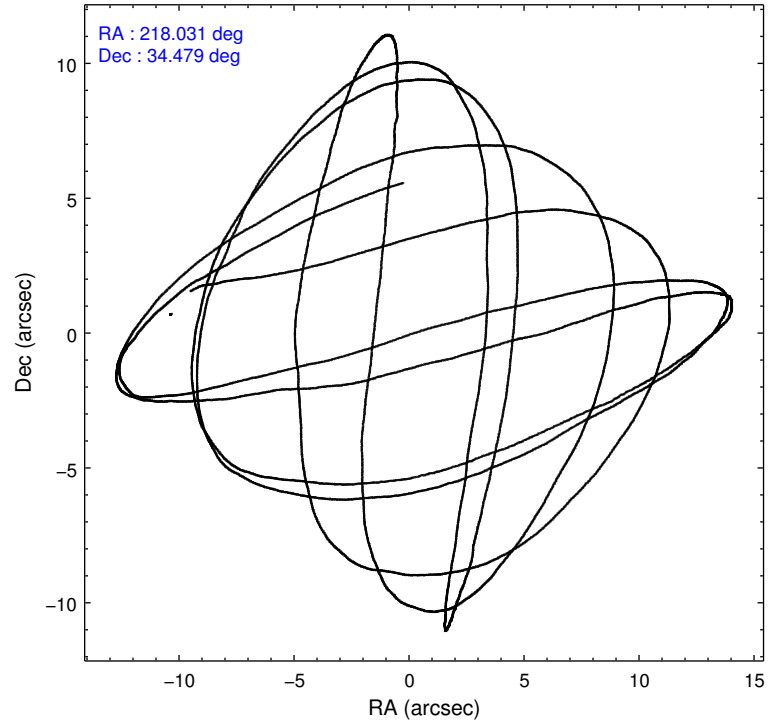
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21206	21372	24397	22947	24121
rejected events	18843	18904	22191	20704	21764
rejected %	88%	88%	90%	90%	90%

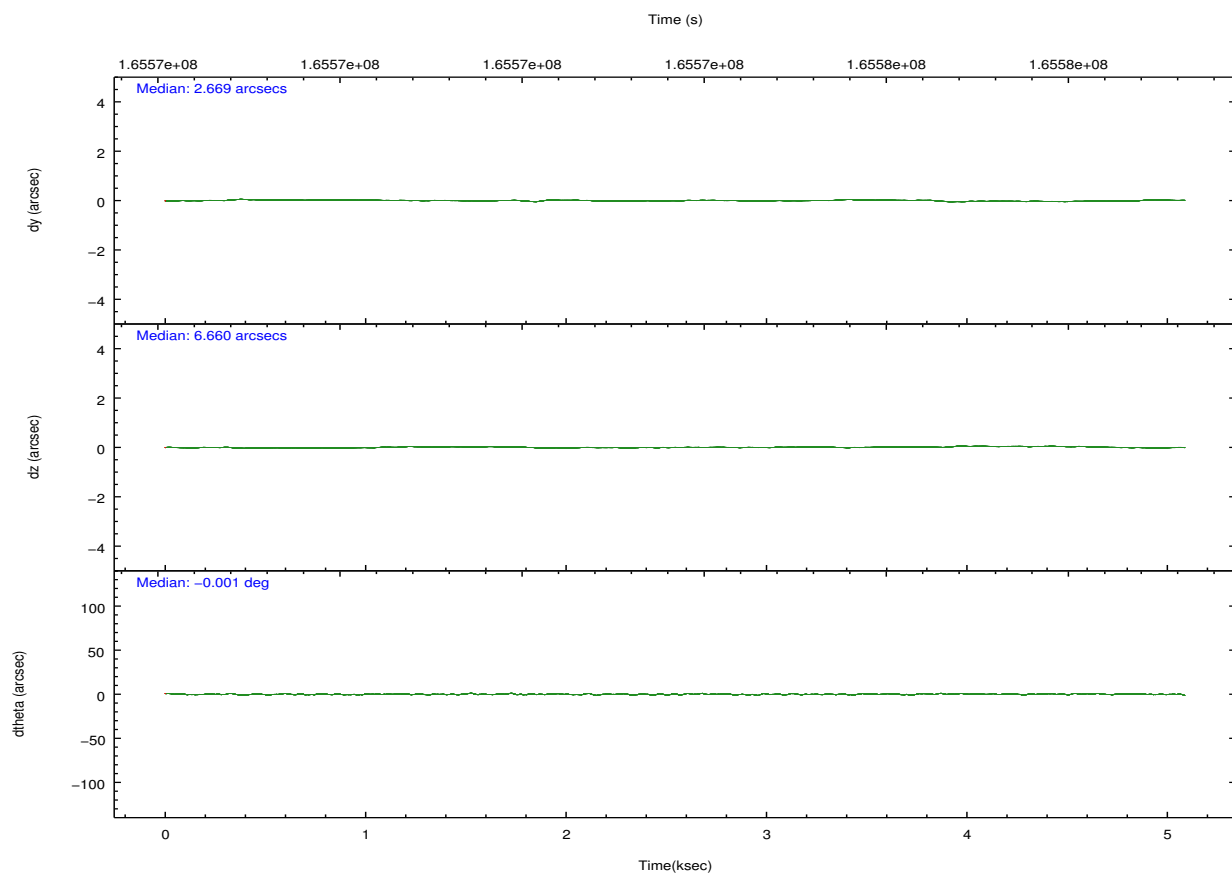
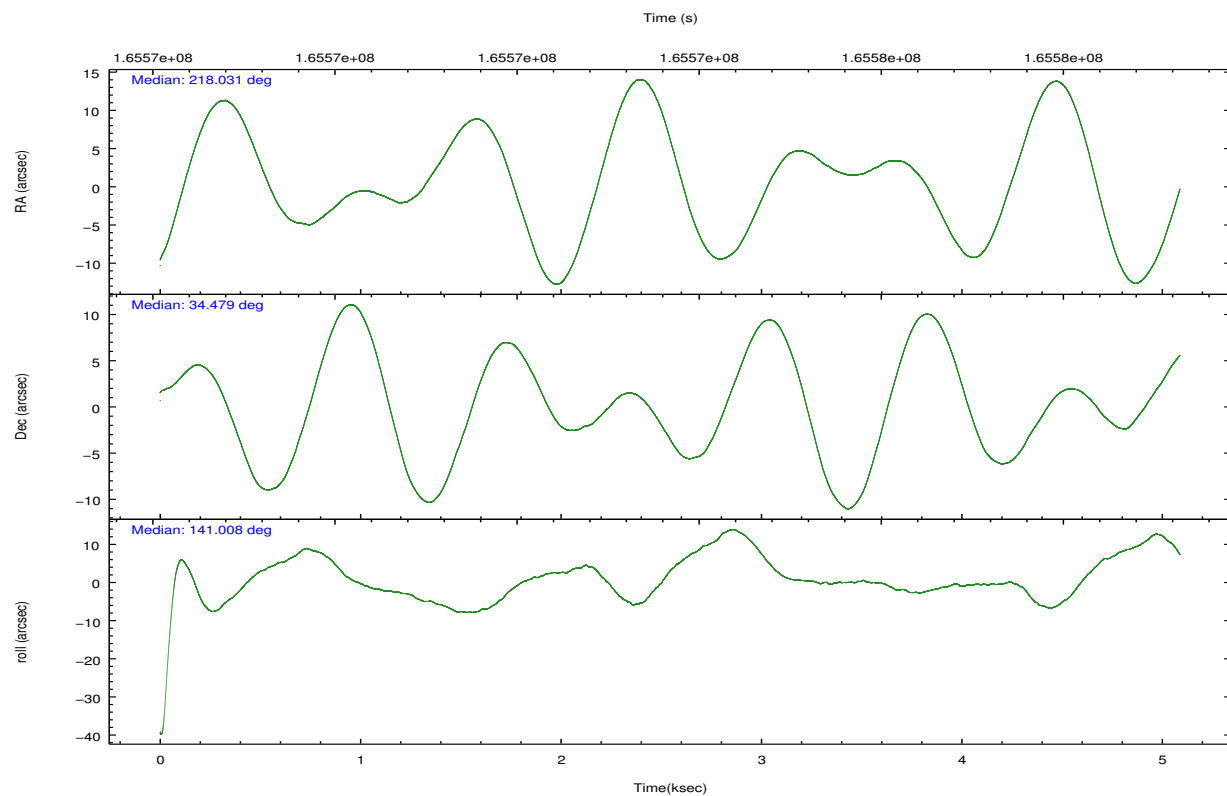
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	845	878	849	863	895
	3%	4%	3%	3%	3%
grade 1 events	16	9	14	8	21
	0%	0%	0%	0%	0%
grade 2 events	560	560	513	461	508
	2%	2%	2%	2%	2%
grade 3 events	302	295	214	246	264
	1%	1%	0%	1%	1%
grade 4 events	246	284	254	222	256
	1%	1%	1%	0%	1%
grade 5 events	649	702	673	770	747
	3%	3%	2%	3%	3%
grade 6 events	413	451	378	454	437
	1%	2%	1%	1%	1%
grade 7 events	18175	18193	21502	19923	20993
	85%	85%	88%	86%	87%

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	218.064198	218.0313282929862	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.475304	34.47946625872255	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782917	141.0100660366578	[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)	165571484.184000	165571107.68255			
Observation start date	2003-04-01T08:03:40	2003-04-01T07:58:27			
[s] Observation end time (MET)	165576384.184000	165576517.63278			
Observation end date	2003-04-01T09:25:20	2003-04-01T09:28:37			
Read mode	TIMED	TIMED			

2.3 Aspect



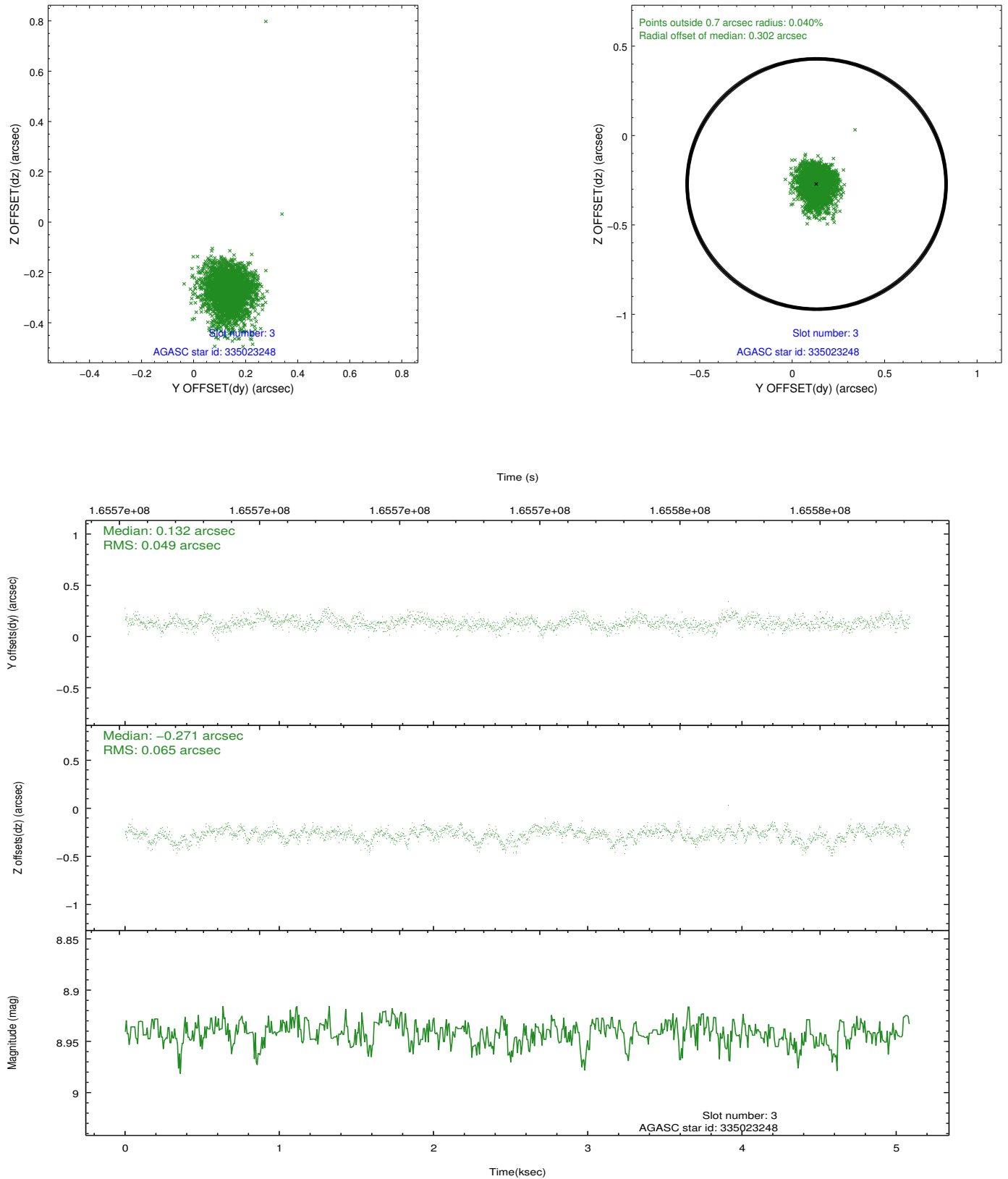


Slot Statistics

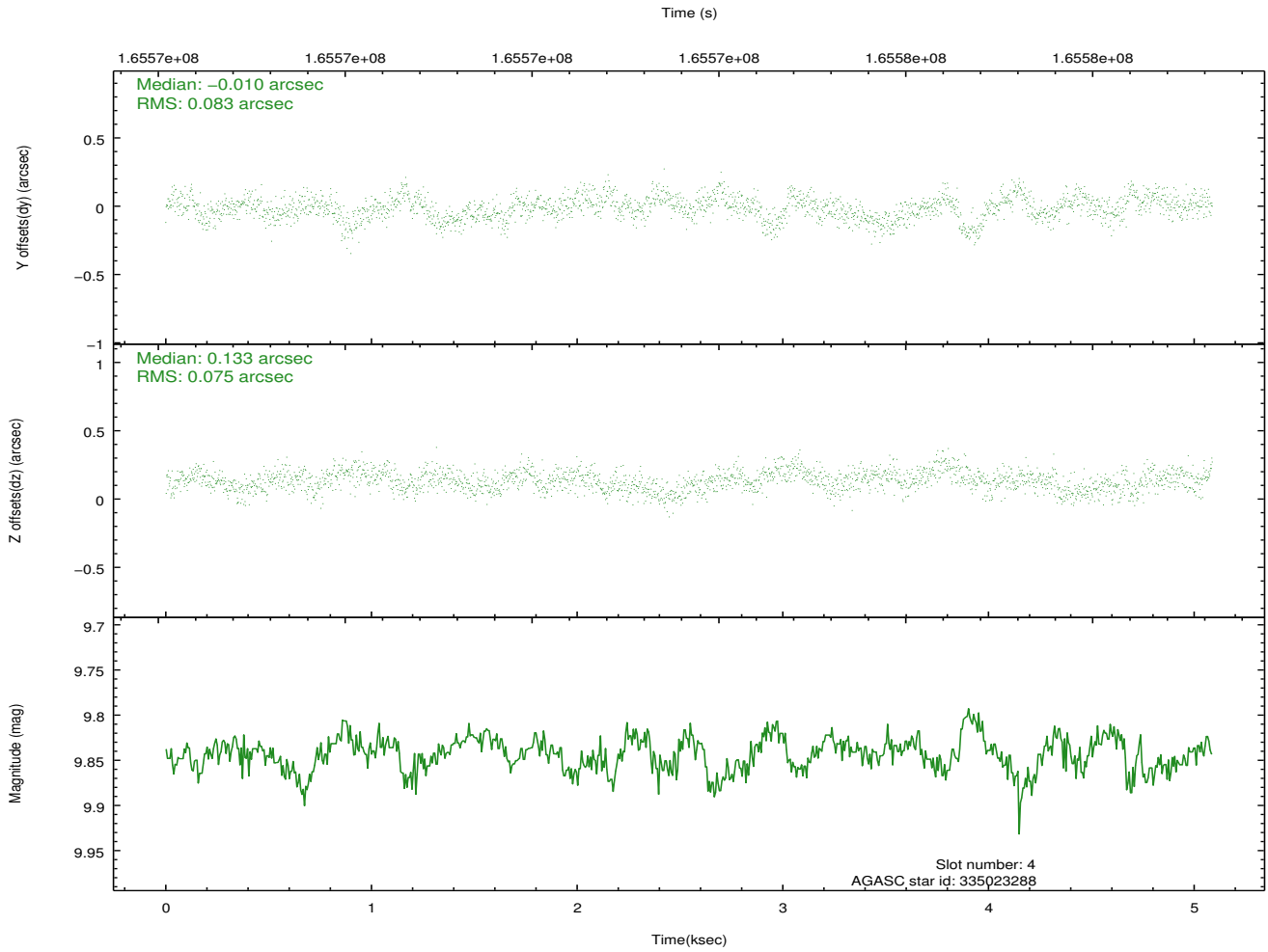
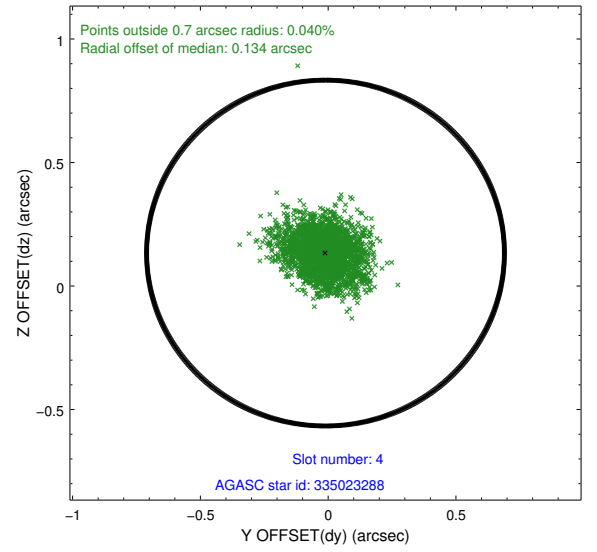
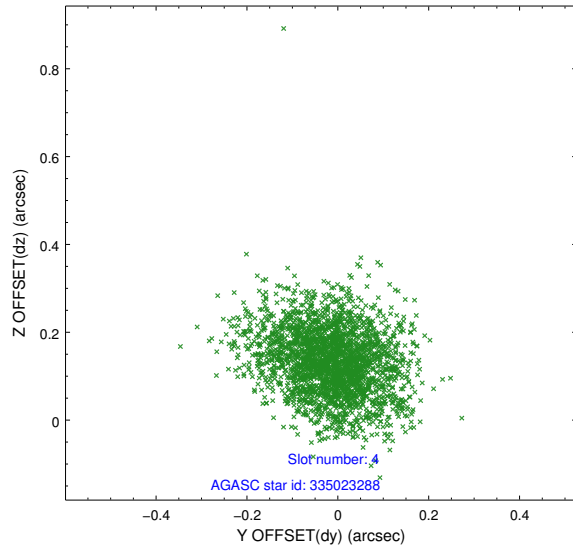
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1242	0.017	-0.009	0.006	0.010	0.000000	0.000000	937.14	-830.07
1	FID	ACIS-I-5	7.24	1242	-0.088	0.054	0.006	0.010	0.000000	0.000000	-1810.38	1066.94
2	FID	ACIS-I-6	7.26	1242	-0.021	0.024	0.007	0.011	0.000000	0.000000	401.40	1712.72
3	GUIDE	335023248	8.94	2482	0.132	-0.271	0.083	0.136	217.634832	34.944512	2051.70	-509.86
4	GUIDE	335023288	9.84	2482	-0.010	0.133	0.118	0.193	217.791365	34.425735	516.55	649.62
5	GUIDE	335023304	8.41	2483	-0.003	-0.119	0.080	0.130	218.883608	34.686545	-1391.77	-2130.32
6	GUIDE	335025040	9.93	2480	0.280	0.005	0.111	0.179	218.601670	34.305240	-1622.76	-540.41
7	BAD	335026200	10.67	2292	-0.429	0.264	0.198	0.352	218.096425	34.160577	-791.00	817.28

2.4 Star Slots

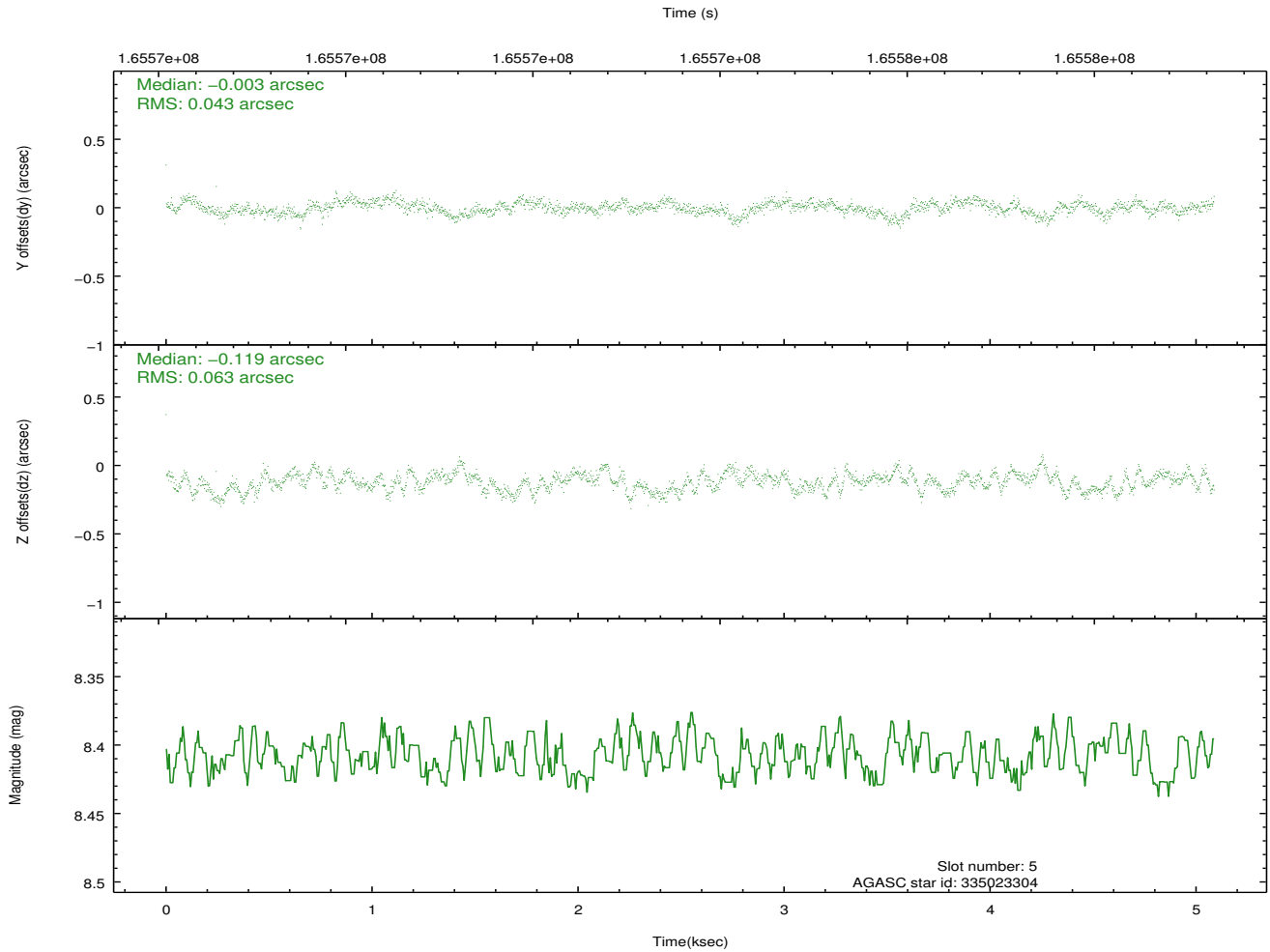
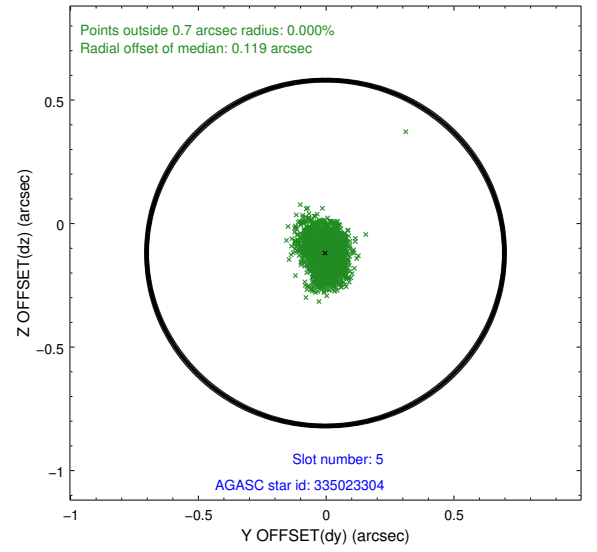
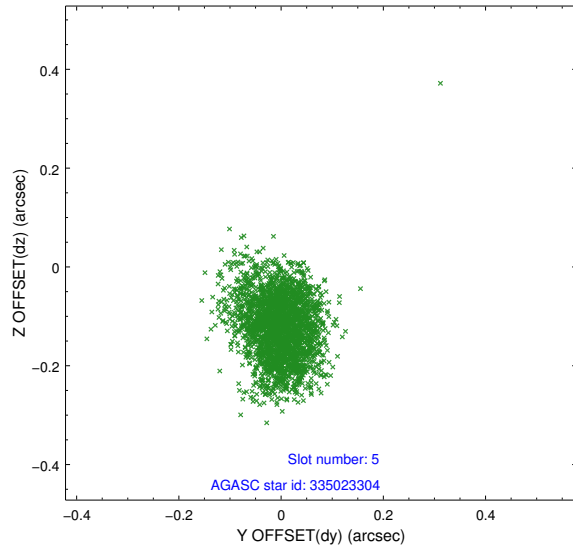
2.4.1 Slot 3



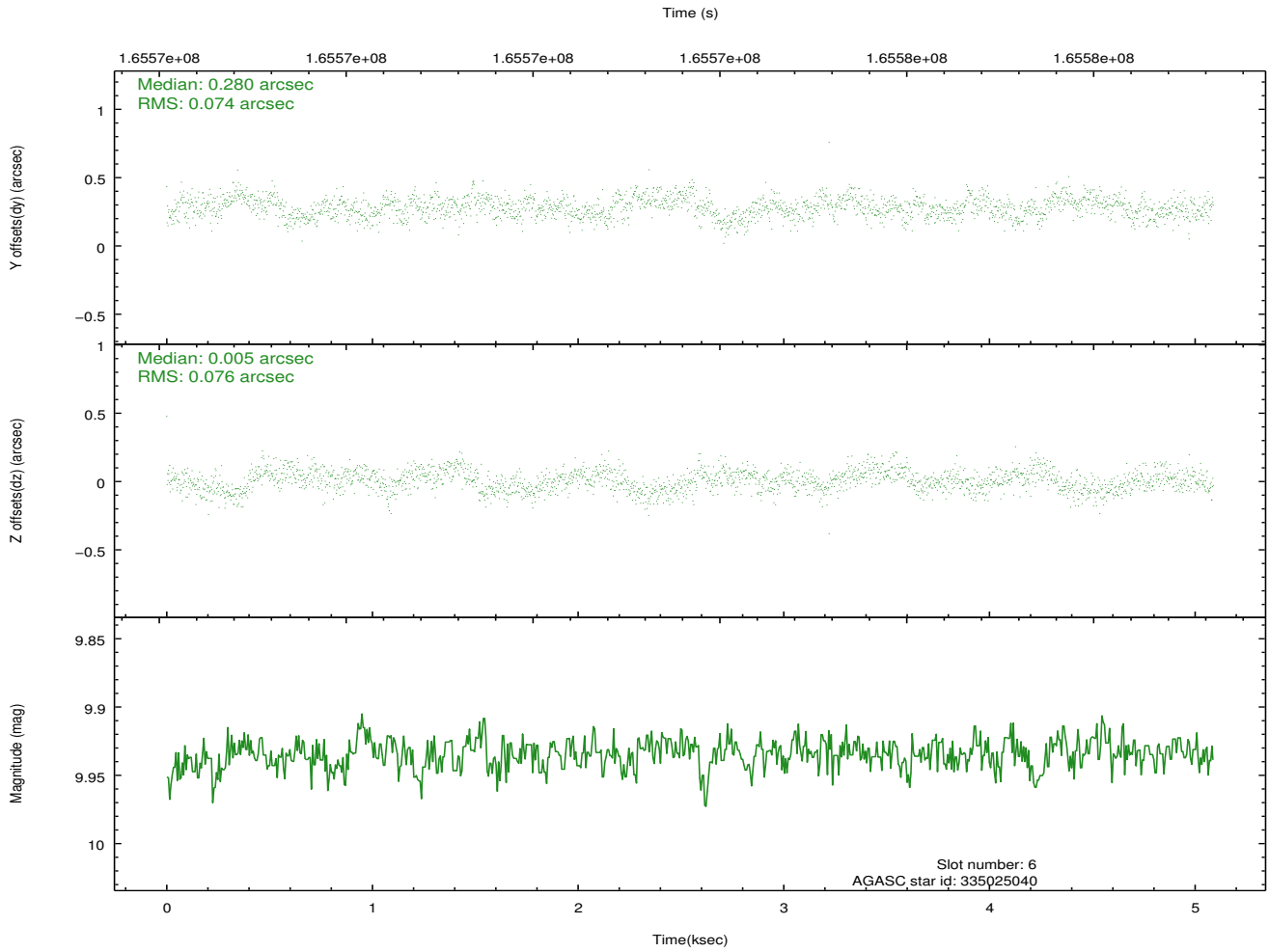
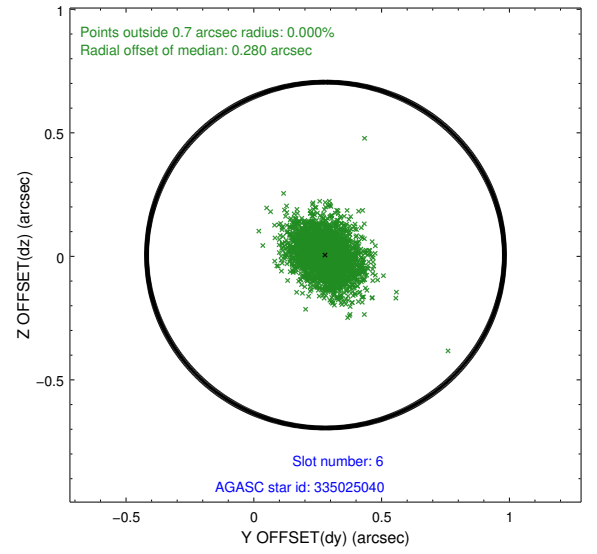
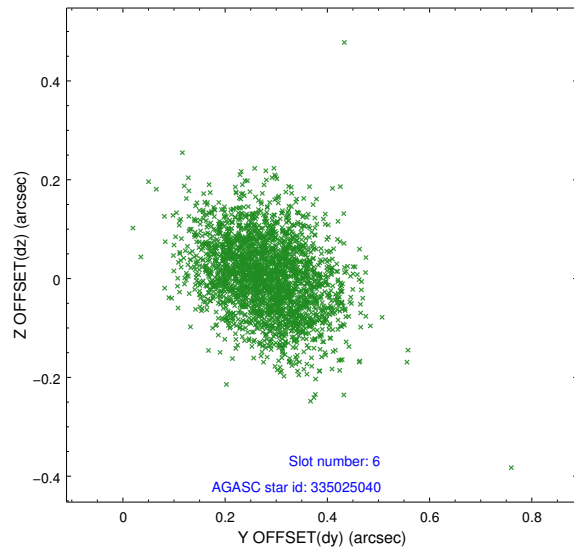
2.4.2 Slot 4



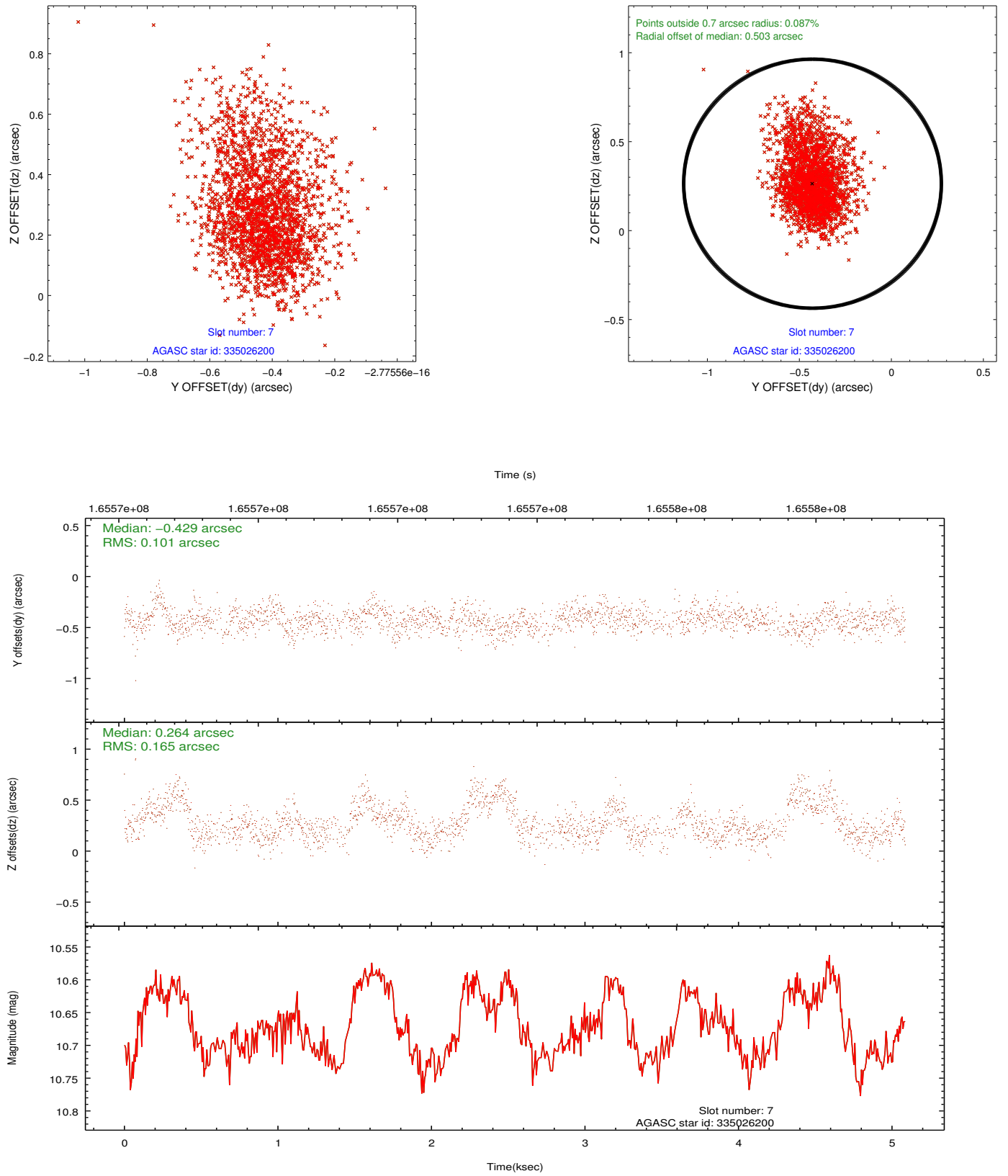
2.4.3 Slot 5



2.4.4 Slot 6

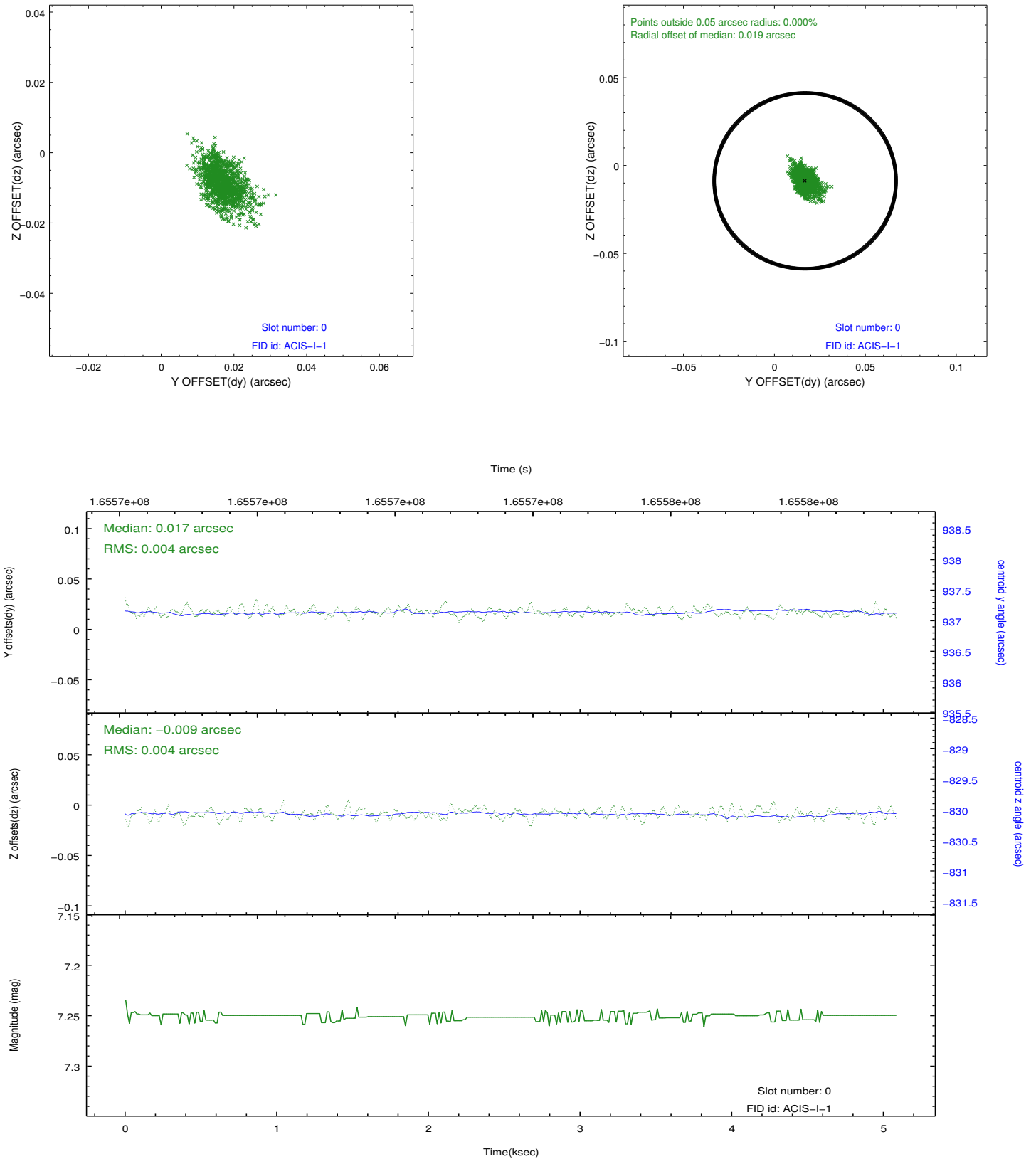


2.4.5 Slot 7

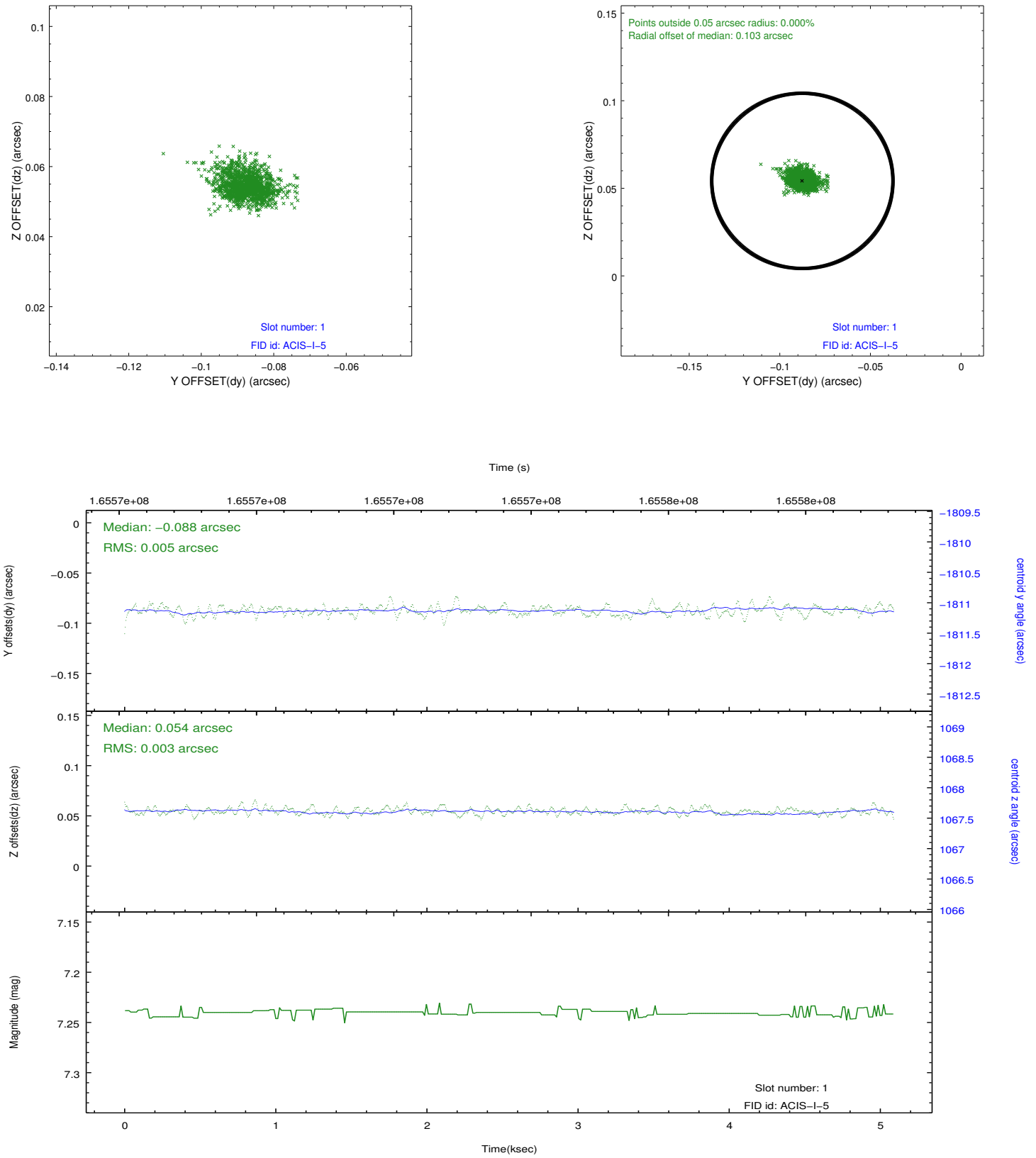


2.5 FID Slots

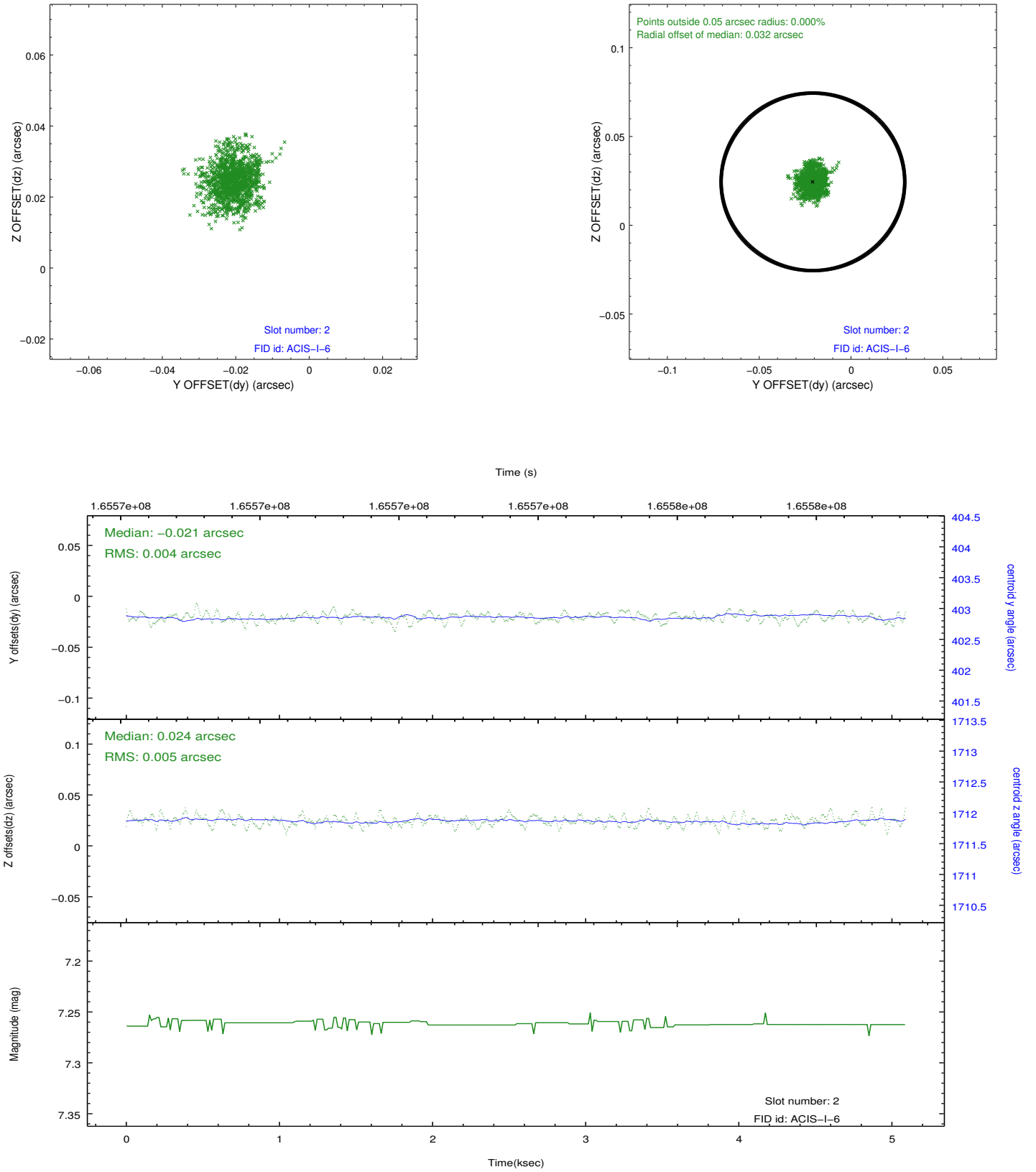
2.5.1 Slot 0



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)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.671

A.2 Comments