

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3616 - L2 Version 3
Chandra X-Ray Center

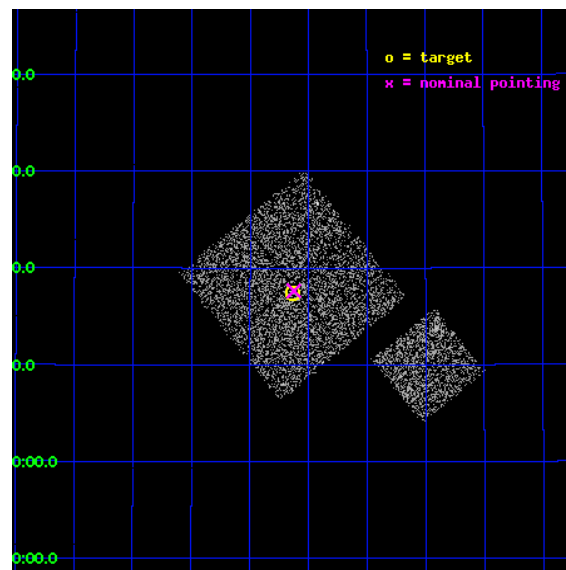
L2 Processing Date : Oct 25 2012

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1 Front

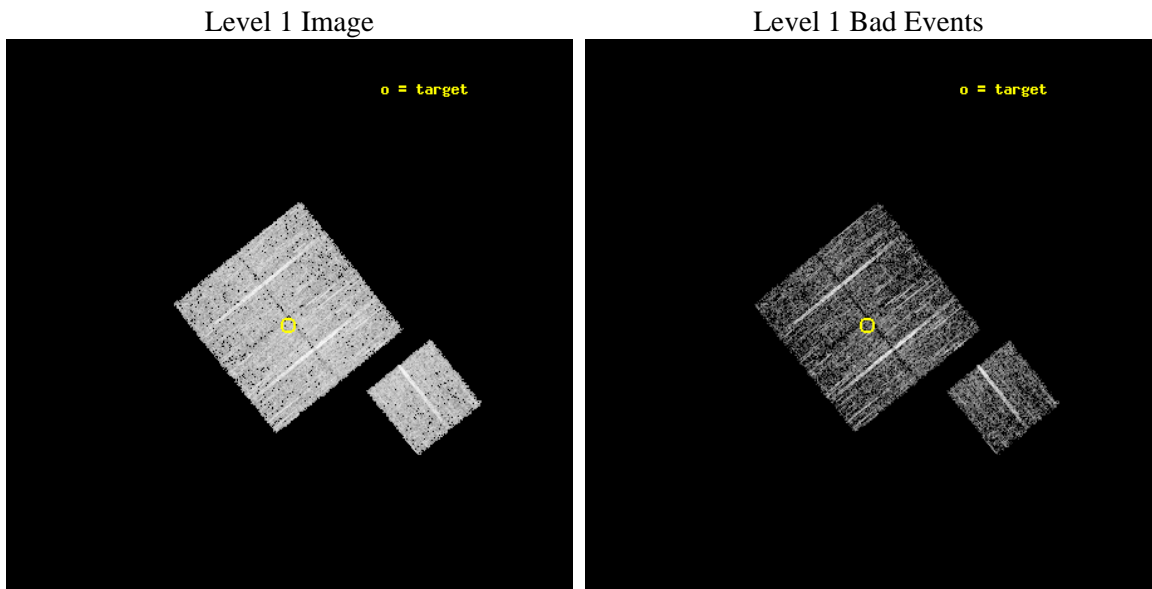
seq_num	900216	Sequence number
obs_id	3616	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F37	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.034014	Observer's specified target RA [deg]
dec_targ	35.290164	Observer's specified target Dec [deg]
ra_nom	218.03133602079	Nominal RA [deg]
dec_nom	35.294288670414	Nominal Dec [deg]
roll_nom	141.01038806704	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4673.9642759562	Sum of GTIs [s]
livetime	4612.8954917683	Livetime [s]
ontime0	4673.8411559463	Sum of GTIs [s]
ontime1	4673.8821959496	Sum of GTIs [s]
ontime2	4673.9232160151	Sum of GTIs [s]
ontime3	4673.9642759562	Sum of GTIs [s]
ontime6	4673.800115943	Sum of GTIs [s]
l2events	9592	Number of level 2 events



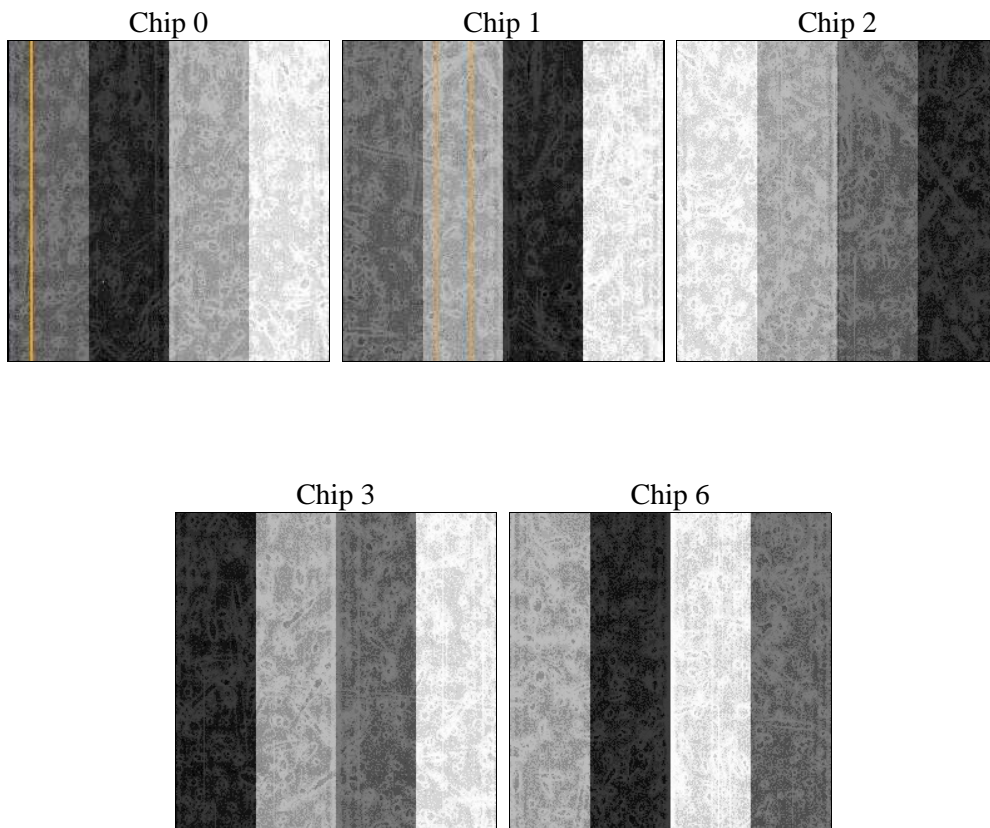
2 OBI

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	4673.9642759562	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4673.8411559463	Sum of GTIs [s]
date	2012-10-25T22:45:09	Date and time of file creation	ontime1	4673.8821959496	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4673.9232160151	Sum of GTIs [s]
			ontime3	4673.9642759562	Sum of GTIs [s]
			ontime6	4673.800115943	Sum of GTIs [s]
			l1events	114519	Number of level 1 events

2.1.4 Events

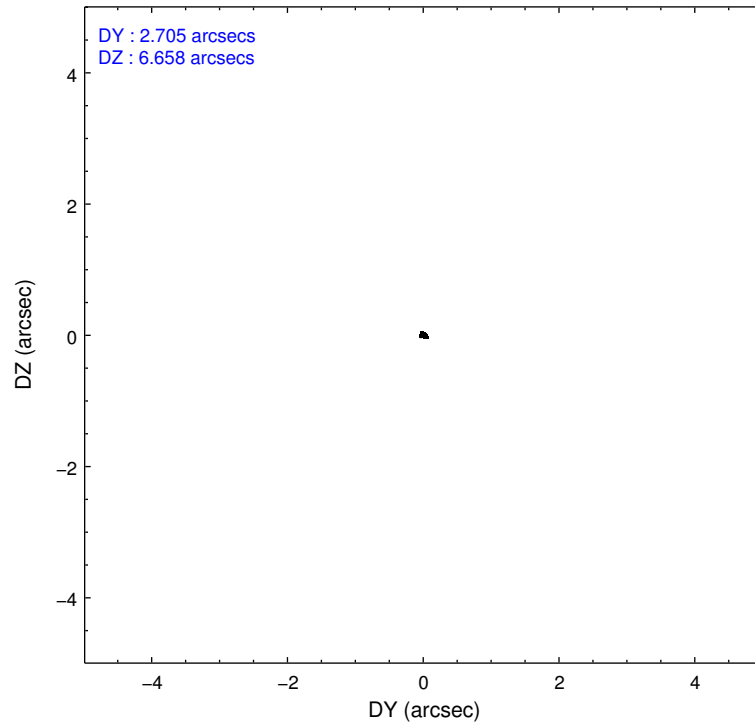
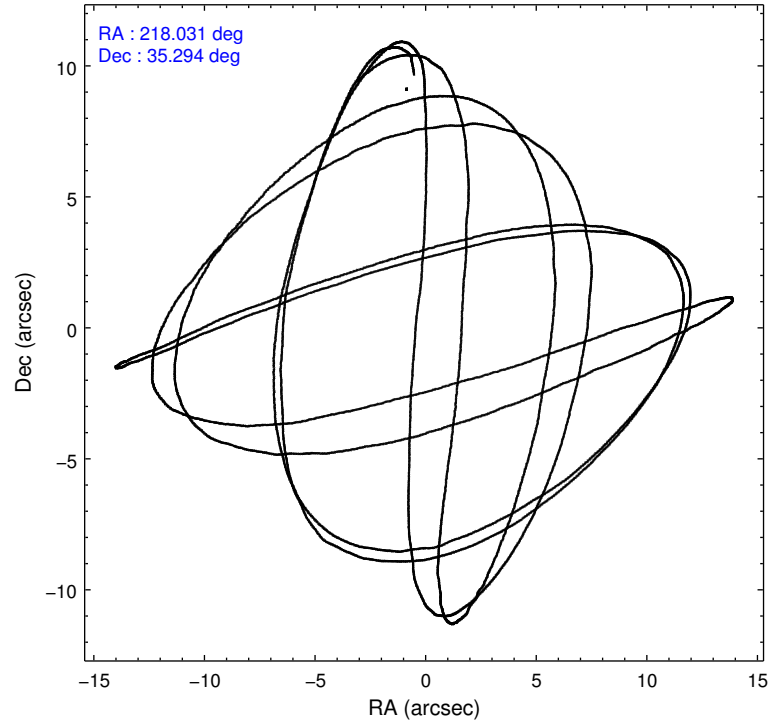
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21755	20758	25369	24098	22539
rejected events	19394	18407	23058	21860	20059
rejected %	89%	88%	90%	90%	88%

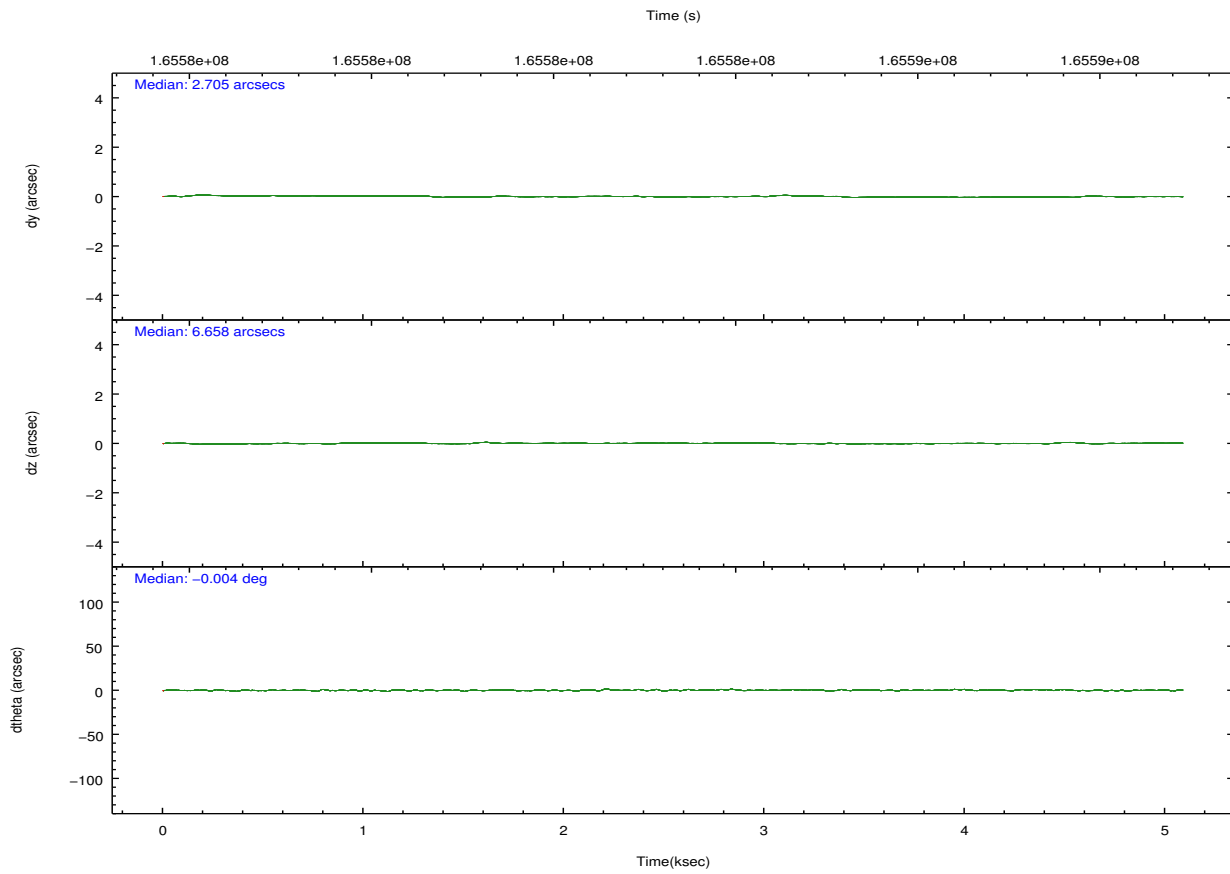
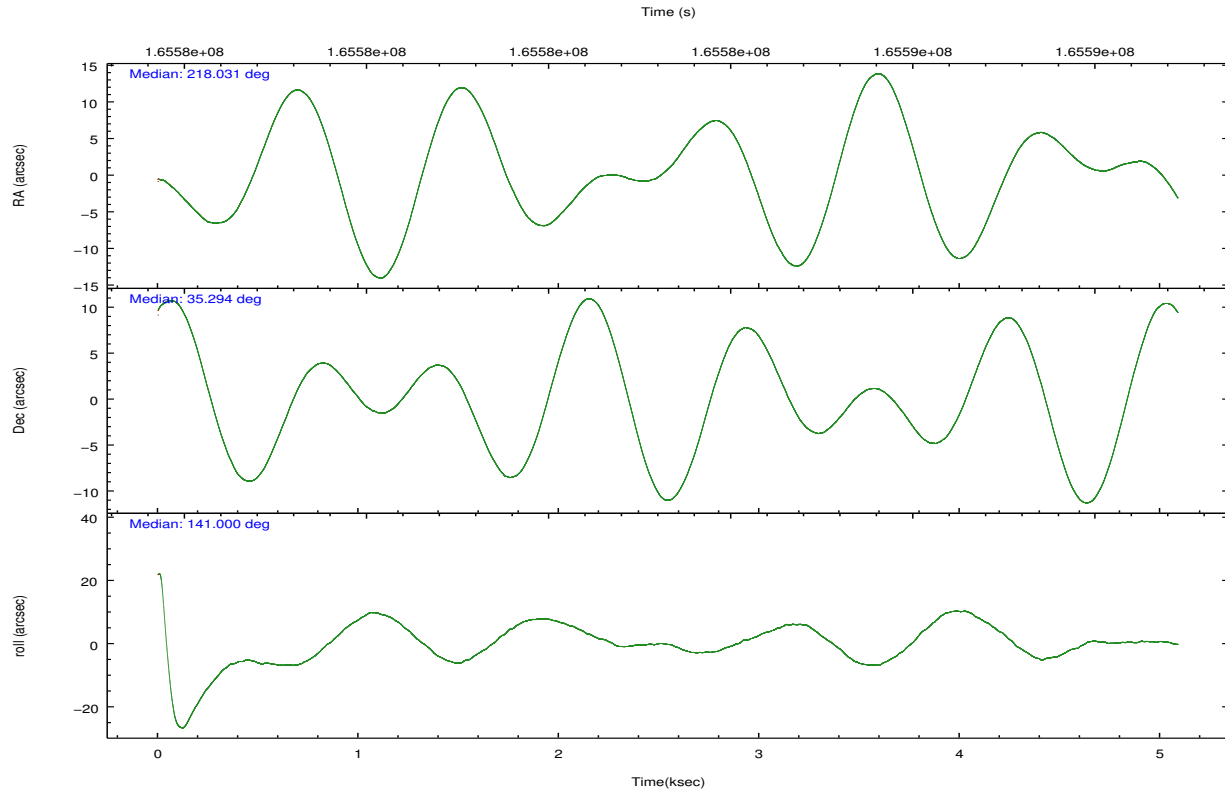
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	920	847	909	855	958
	4%	4%	3%	3%	4%
grade 1 events	10	6	12	10	16
	0%	0%	0%	0%	0%
grade 2 events	544	505	527	456	518
	2%	2%	2%	1%	2%
grade 3 events	272	263	238	245	280
	1%	1%	0%	1%	1%
grade 4 events	214	270	278	261	246
	0%	1%	1%	1%	1%
grade 5 events	680	753	640	751	755
	3%	3%	2%	3%	3%
grade 6 events	414	469	362	423	481
	1%	2%	1%	1%	2%
grade 7 events	18701	17645	22403	21097	19285
	85%	85%	88%	87%	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	218.064503	218.0313360207907	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.290082	35.29428867041405	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782393	141.010388067043	[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)	165582304.184000	165581927.58301			
Observation start date	2003-04-01T11:04:00	2003-04-01T10:58:47			
[s] Observation end time (MET)	165587204.184000	165587338.55824			
Observation end date	2003-04-01T12:25:40	2003-04-01T12:28:58			
Read mode	TIMED	TIMED			

2.3 Aspect



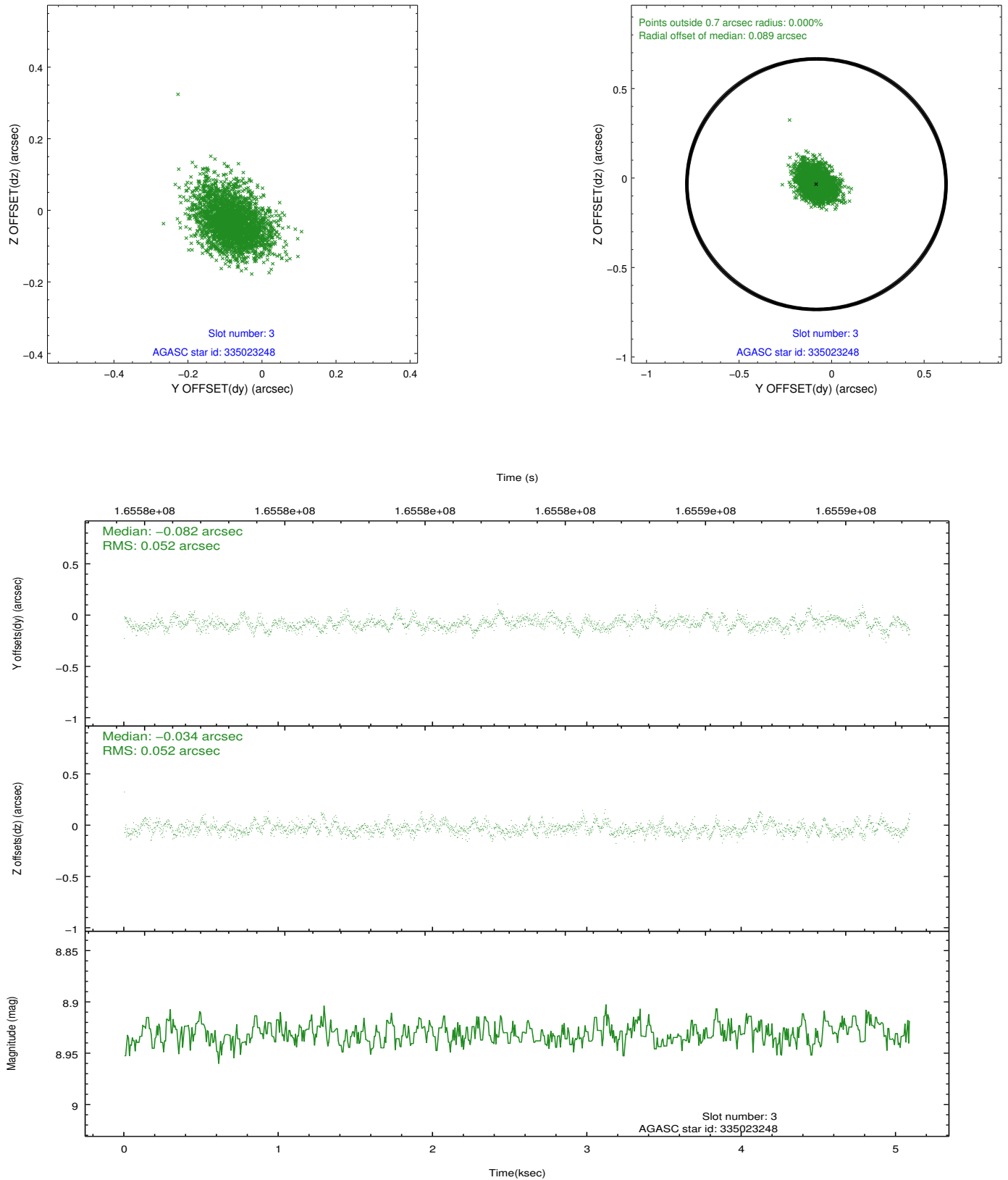


Slot Statistics

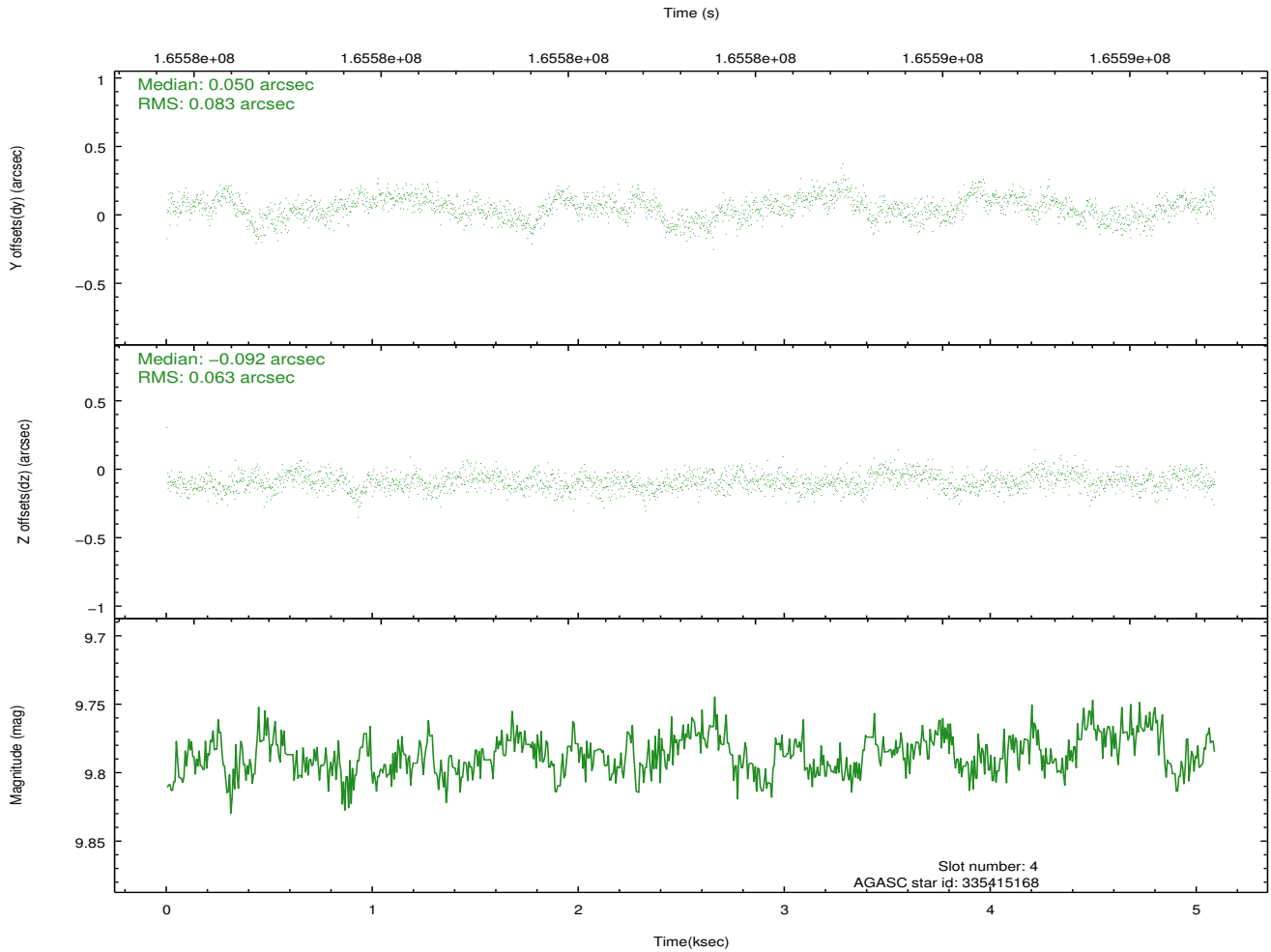
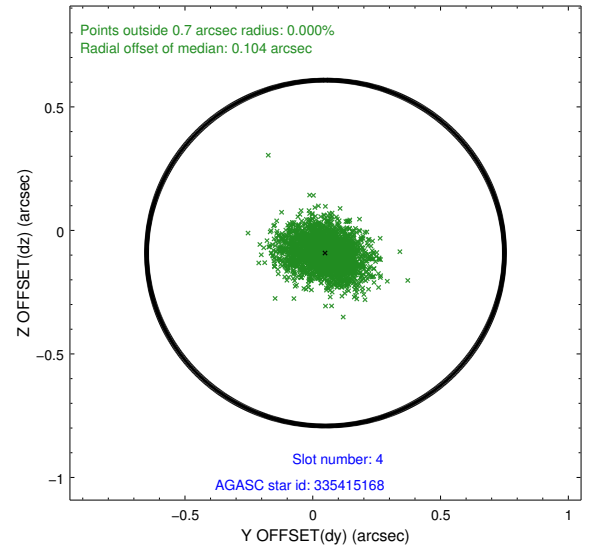
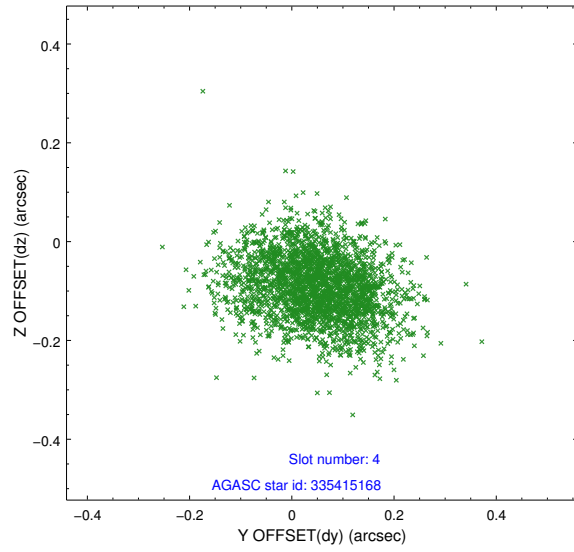
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1242	0.070	-0.077	0.006	0.010	0.000000	0.000000	937.20	-830.08
1	FID	ACIS-I-5	7.24	1242	0.079	0.147	0.006	0.010	0.000000	0.000000	-1810.31	1066.93
2	FID	ACIS-I-6	7.25	1242	-0.240	0.001	0.007	0.011	0.000000	0.000000	401.04	1712.73
3	GUIDE	335023248	8.93	2483	-0.082	-0.034	0.078	0.128	217.634832	34.944512	197.31	1763.41
4	GUIDE	335415168	9.79	2482	0.050	-0.092	0.110	0.181	217.681296	35.301767	900.83	678.60
5	GUIDE	335417968	9.39	2482	0.026	0.083	0.091	0.150	217.358149	35.055285	1083.22	1965.86
6	GUIDE	335421696	8.95	2482	-0.048	0.111	0.068	0.108	218.045699	35.772449	1141.16	-1309.52
7	GUIDE	335422272	9.47	2479	0.057	-0.070	0.091	0.147	217.586135	35.522660	1618.15	234.48

2.4 Star Slots

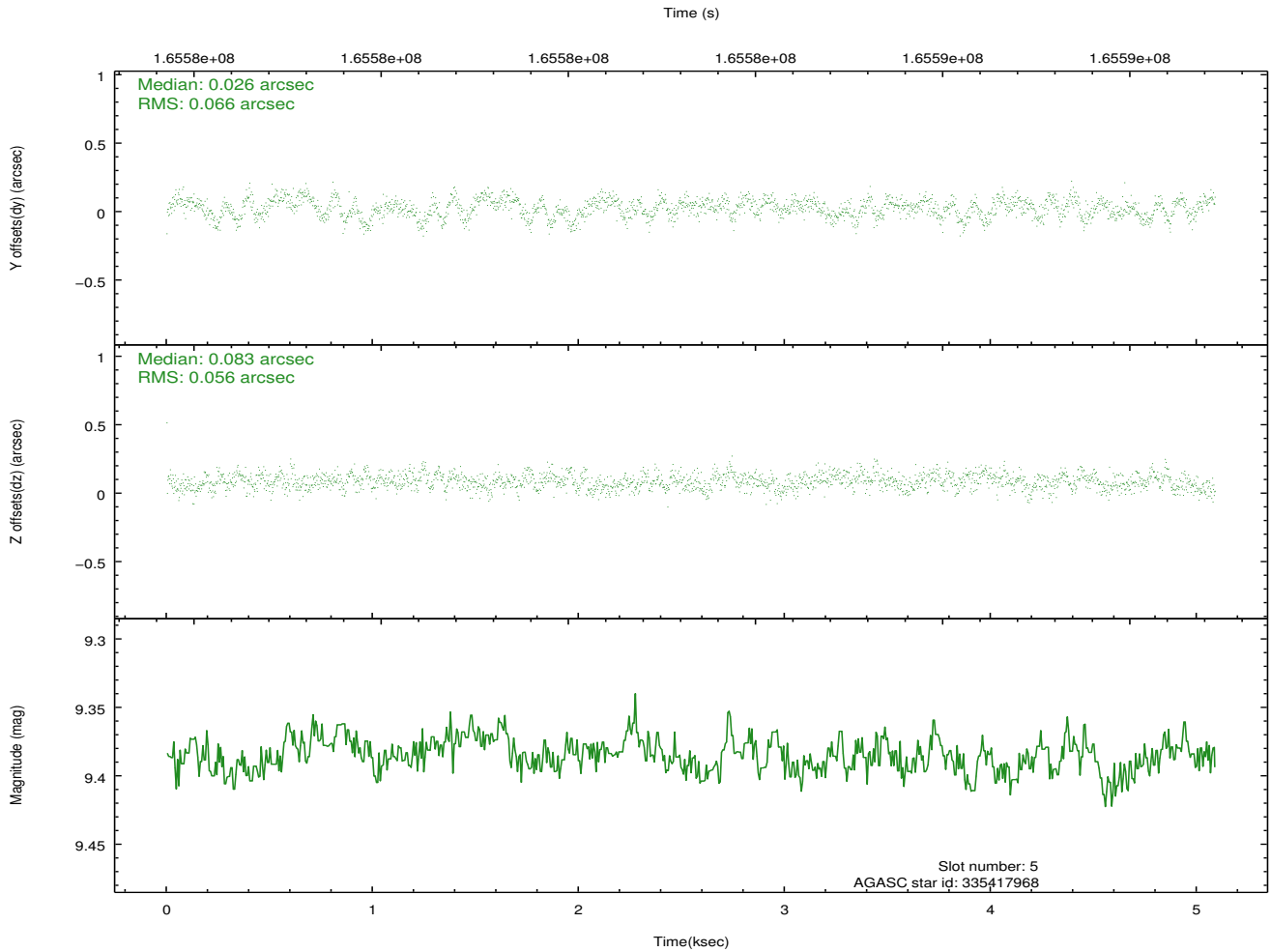
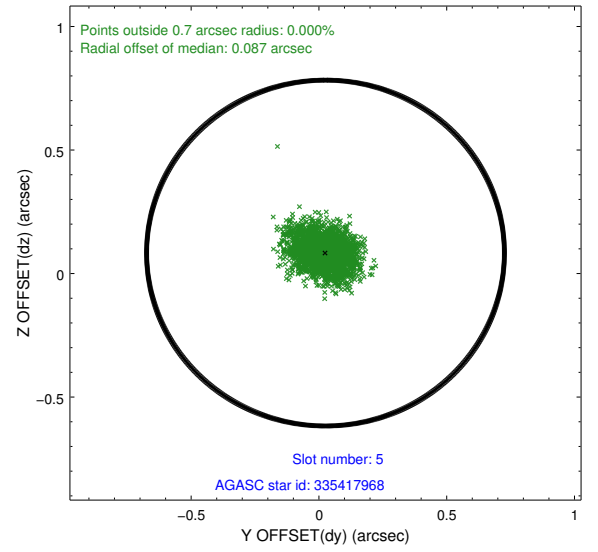
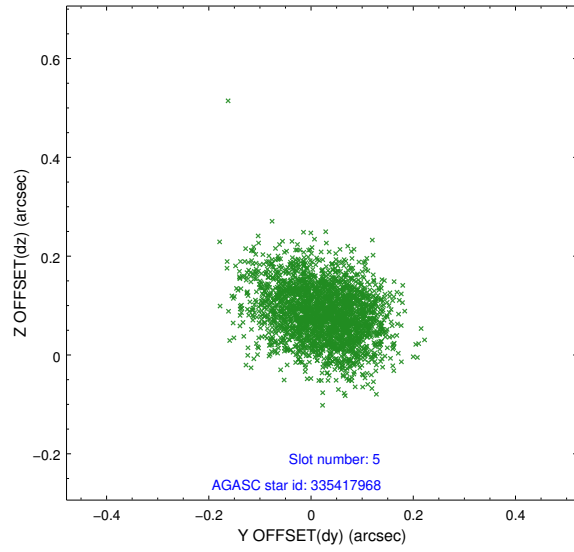
2.4.1 Slot 3



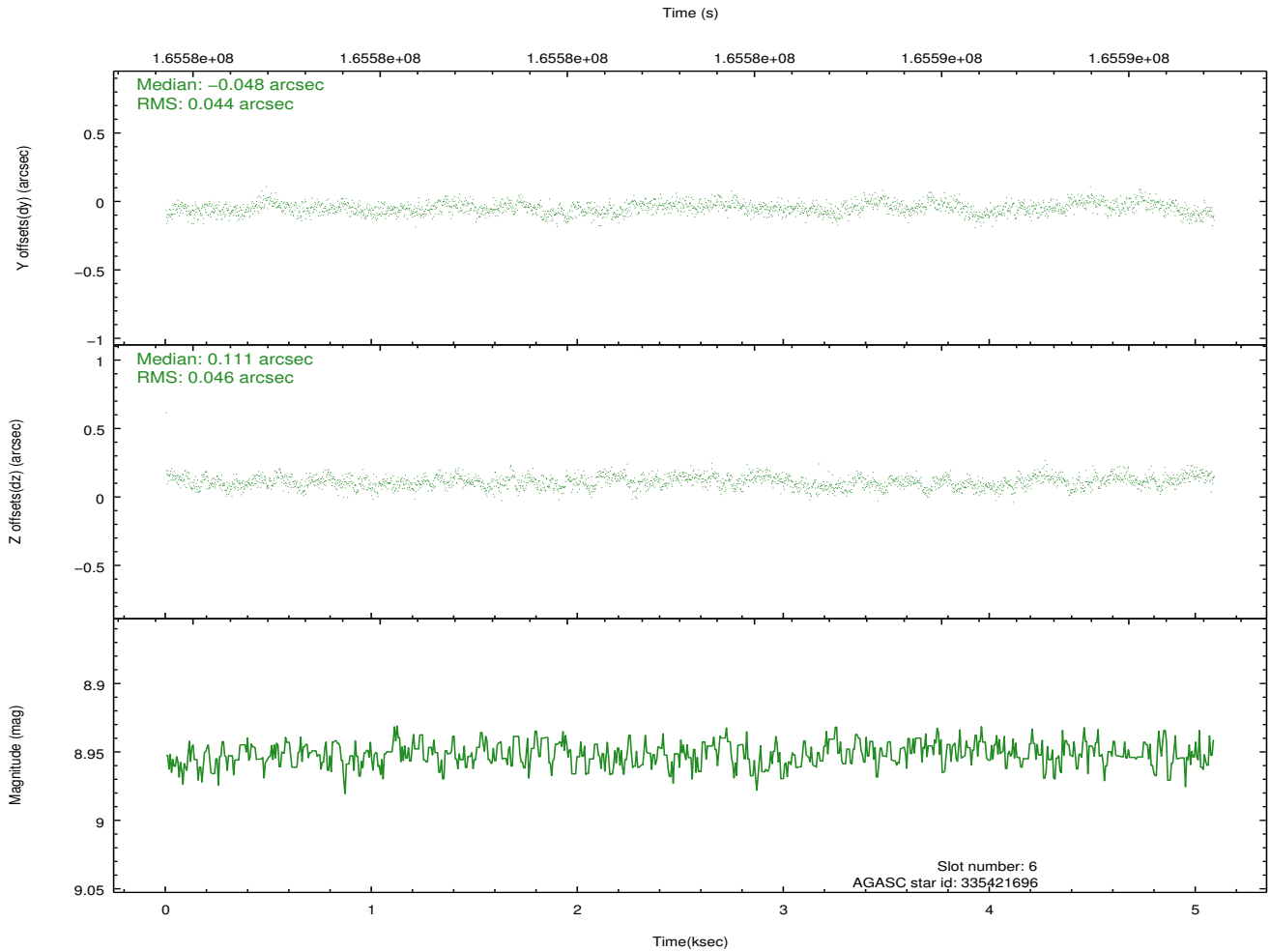
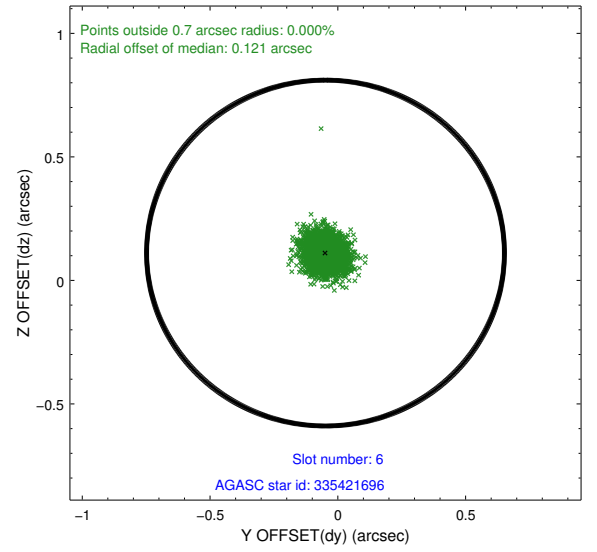
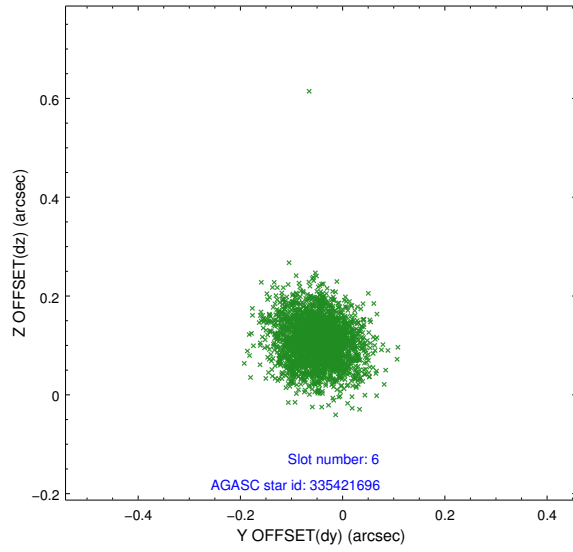
2.4.2 Slot 4



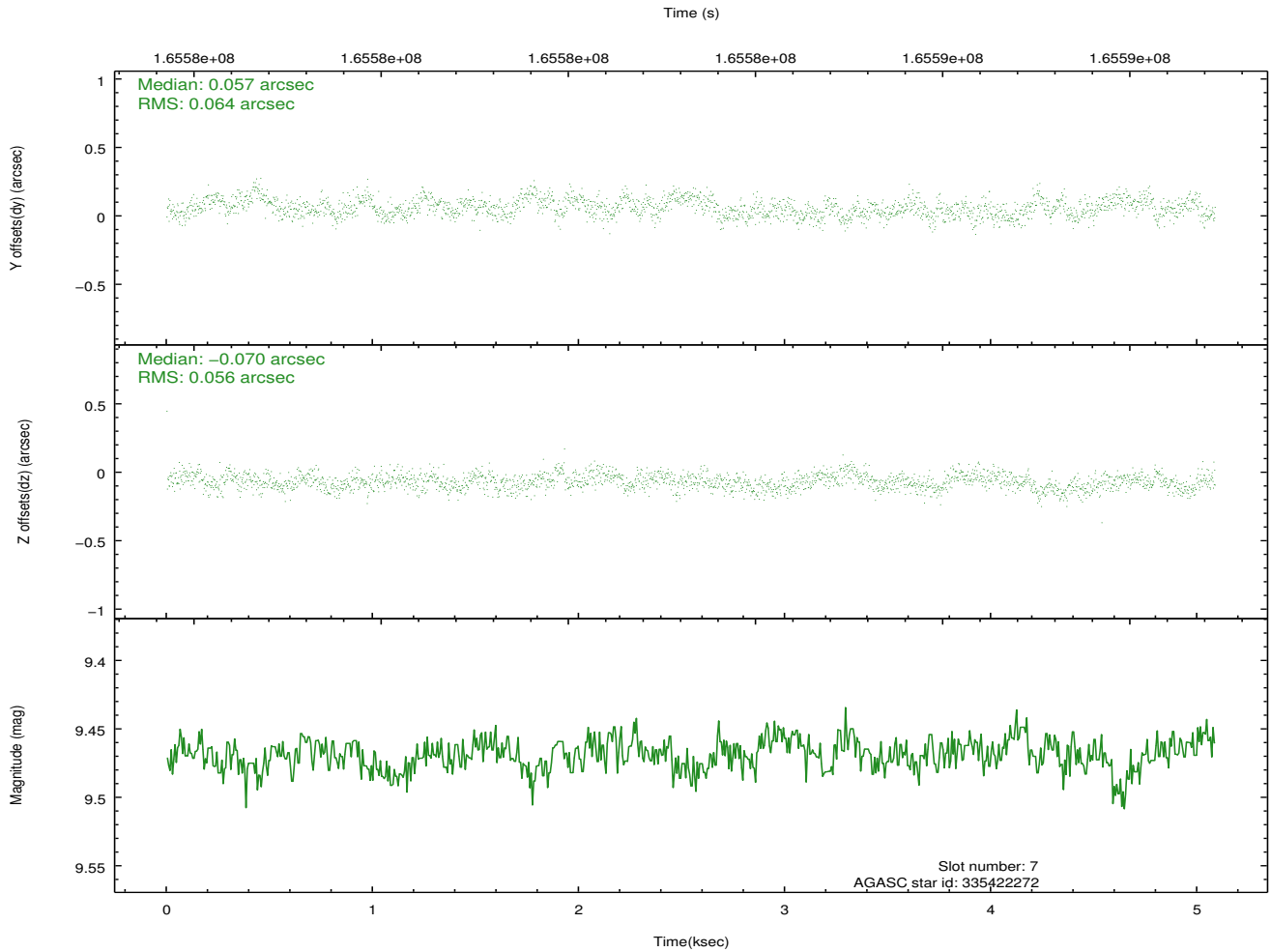
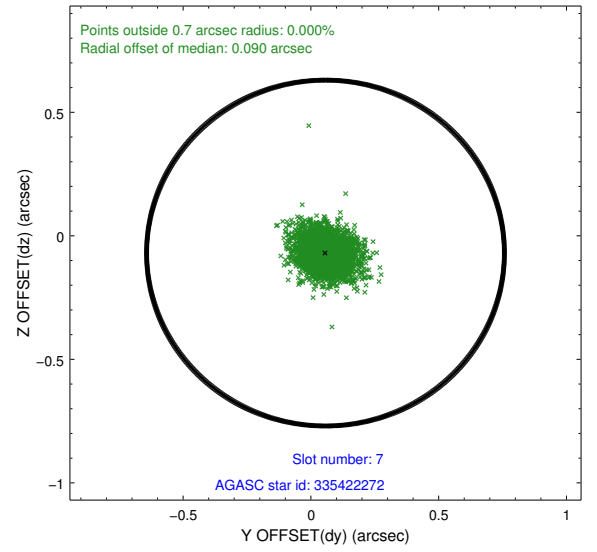
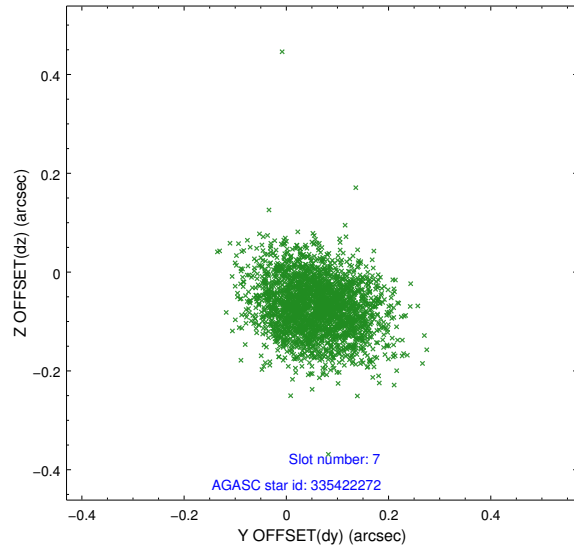
2.4.3 Slot 5



2.4.4 Slot 6

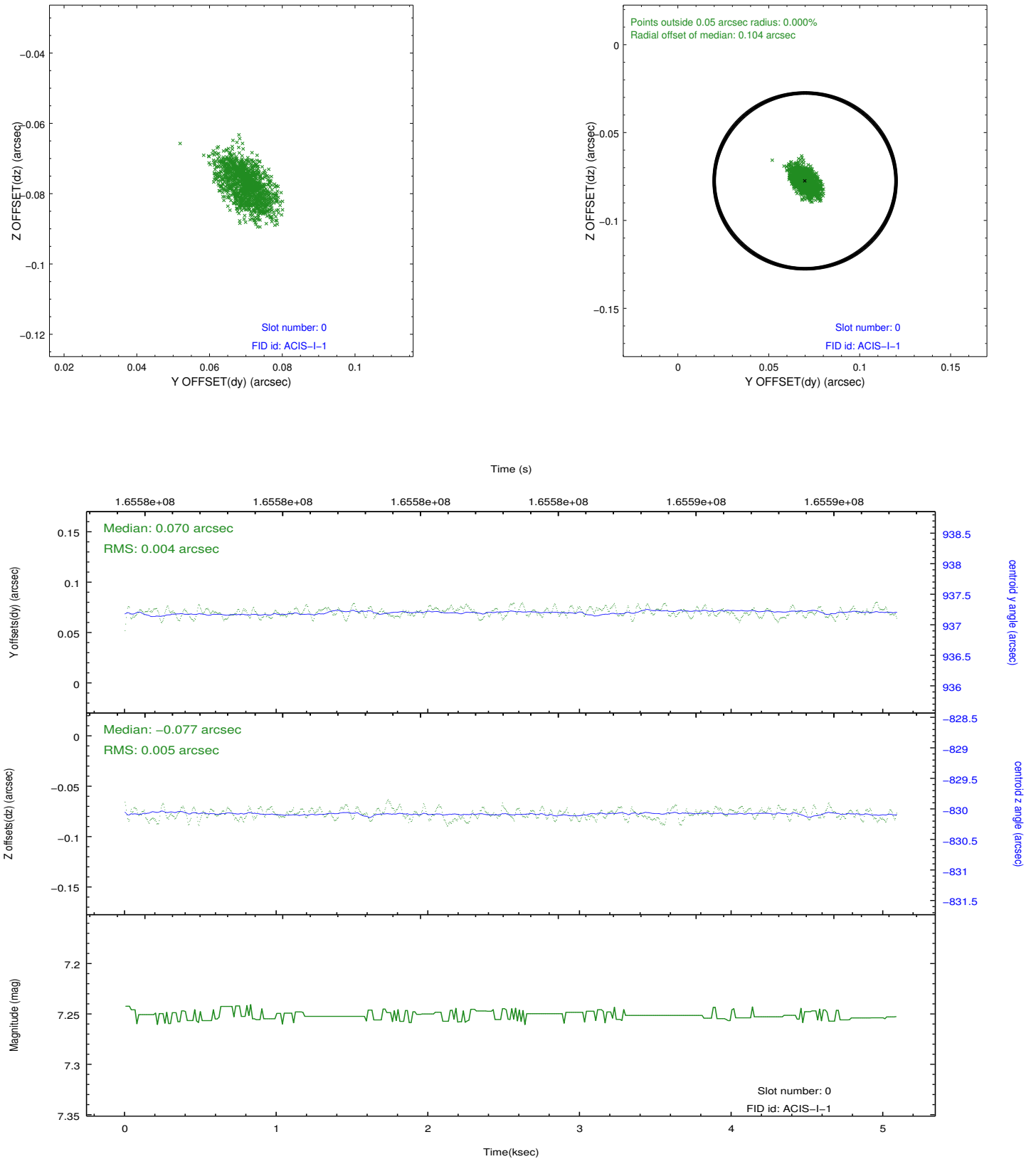


2.4.5 Slot 7

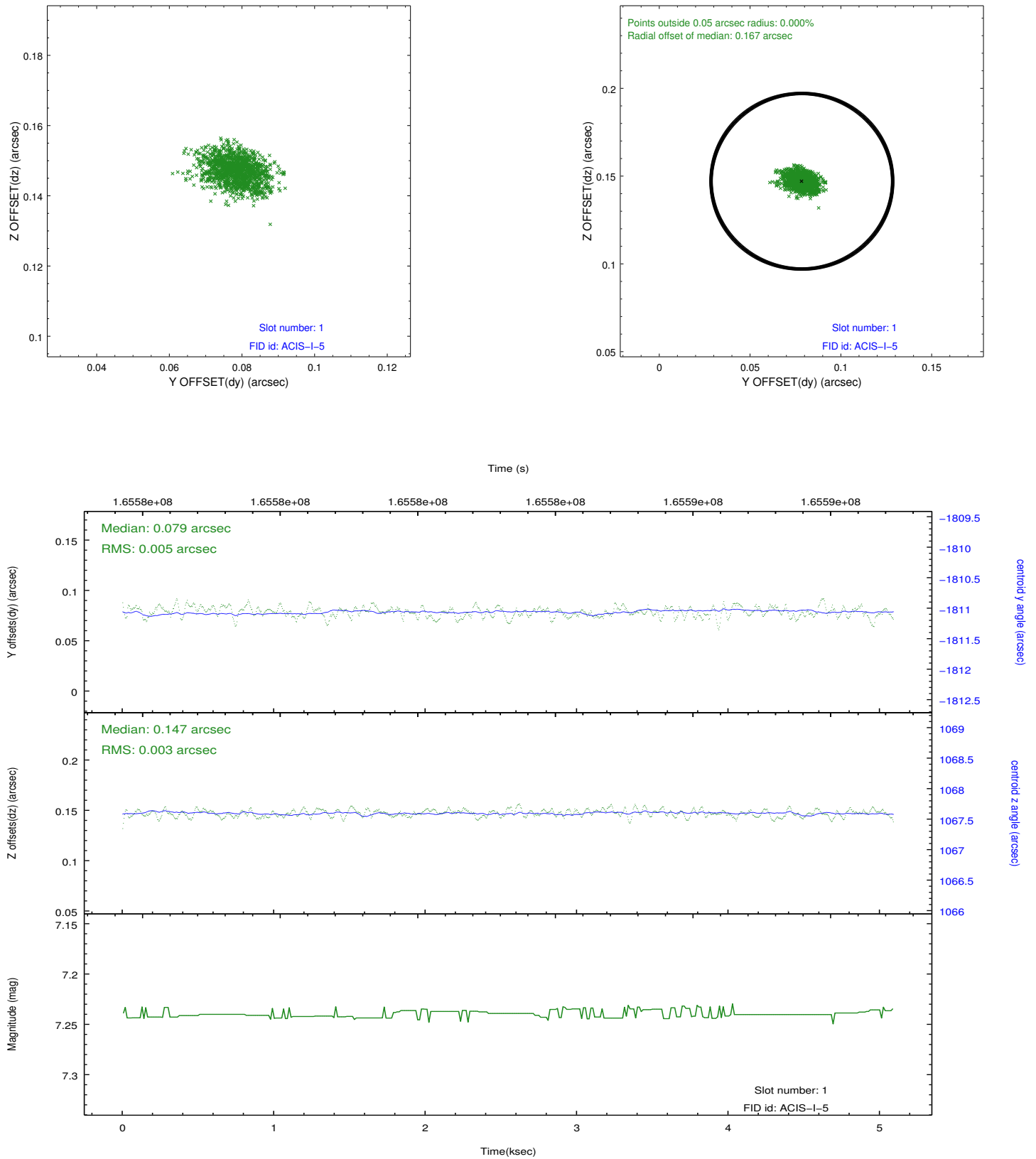


2.5 FID Slots

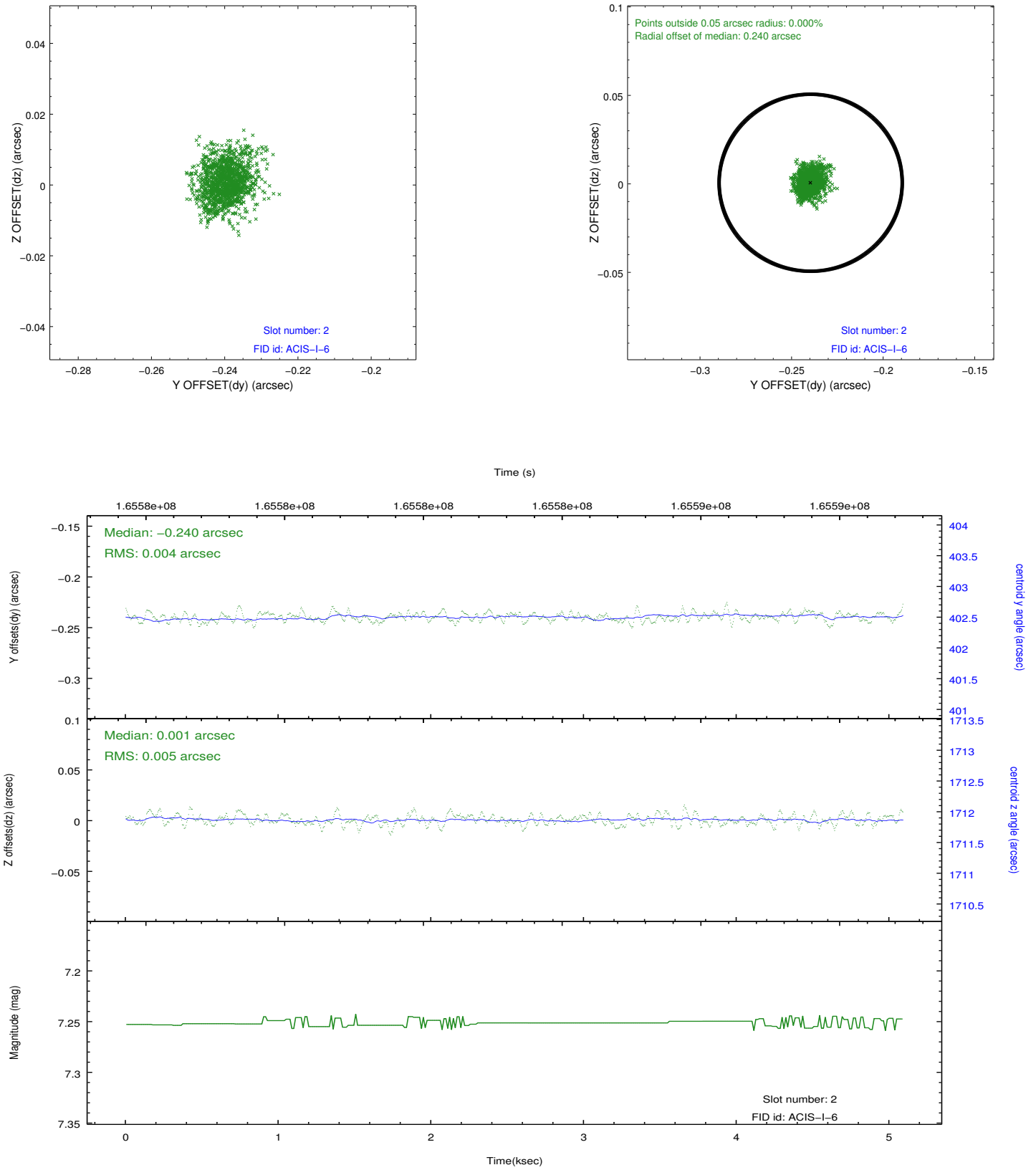
2.5.1 Slot 0



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)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.674

A.2 Comments