

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3606 - L2 Version 3
Chandra X-Ray Center

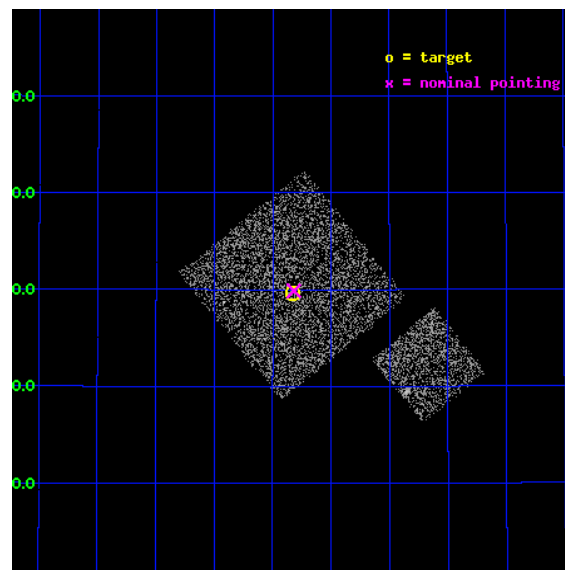
L2 Processing Date : Oct 24 2012

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1 Front

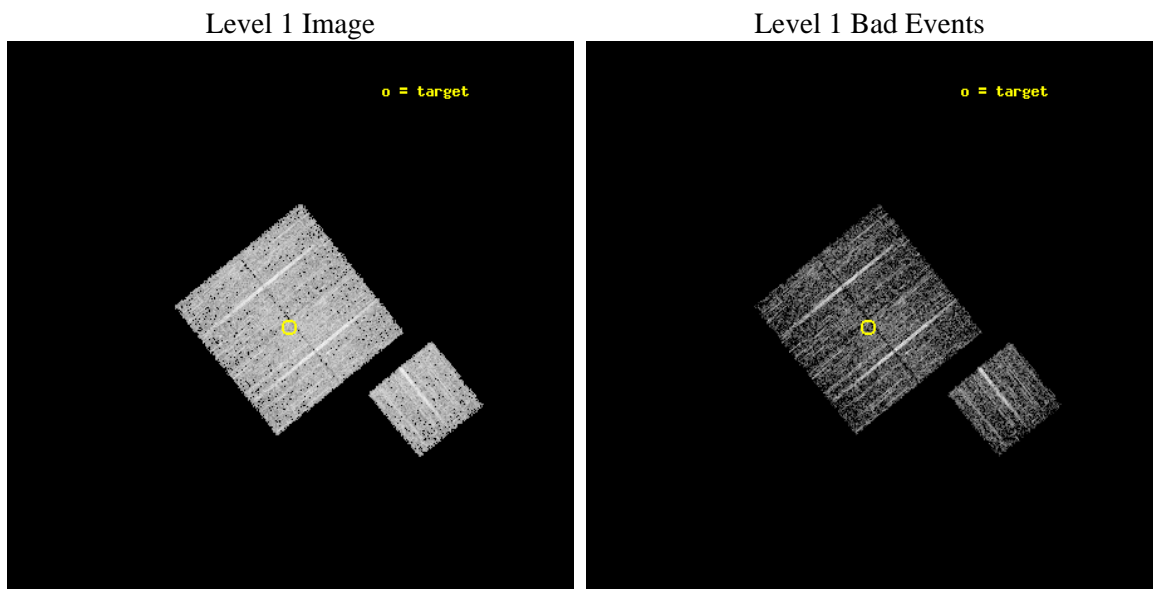
seq_num	900206	Sequence number
obs_id	3606	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F13	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.957163	Observer's specified target RA [deg]
dec_targ	35.493858	Observer's specified target Dec [deg]
ra_nom	216.95450580849	Nominal RA [deg]
dec_nom	35.497960609087	Nominal Dec [deg]
roll_nom	141.01017061027	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4674.0127859712	Sum of GTIs [s]
livetime	4612.9433679643	Livetime [s]
ontime0	4667.6076955199	Sum of GTIs [s]
ontime1	4673.9307059646	Sum of GTIs [s]
ontime2	4673.9717459679	Sum of GTIs [s]
ontime3	4674.0127859712	Sum of GTIs [s]
ontime6	4667.5666057467	Sum of GTIs [s]
l2events	9669	Number of level 2 events



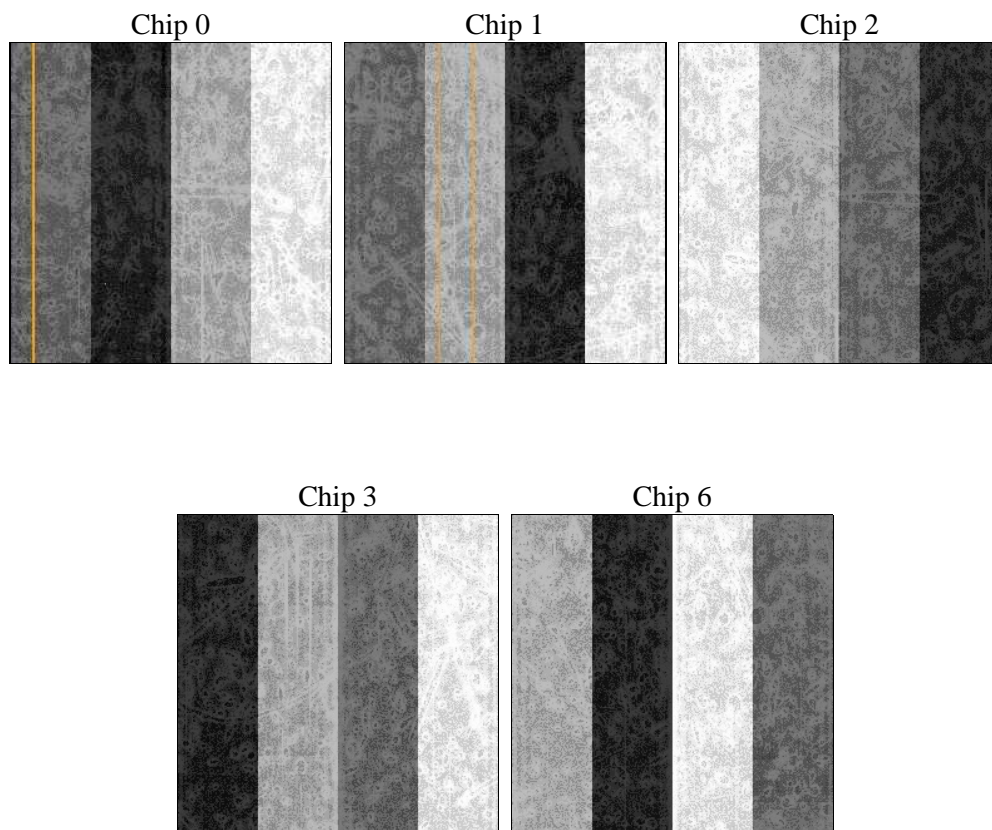
2 OBI

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	4674.0127859712	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4667.6076955199	Sum of GTIs [s]
date	2012-10-24T23:52:05	Date and time of file creation	ontime1	4673.9307059646	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4673.9717459679	Sum of GTIs [s]
			ontime3	4674.0127859712	Sum of GTIs [s]
			ontime6	4667.5666057467	Sum of GTIs [s]
			l1events	115565	Number of level 1 events

2.1.4 Events

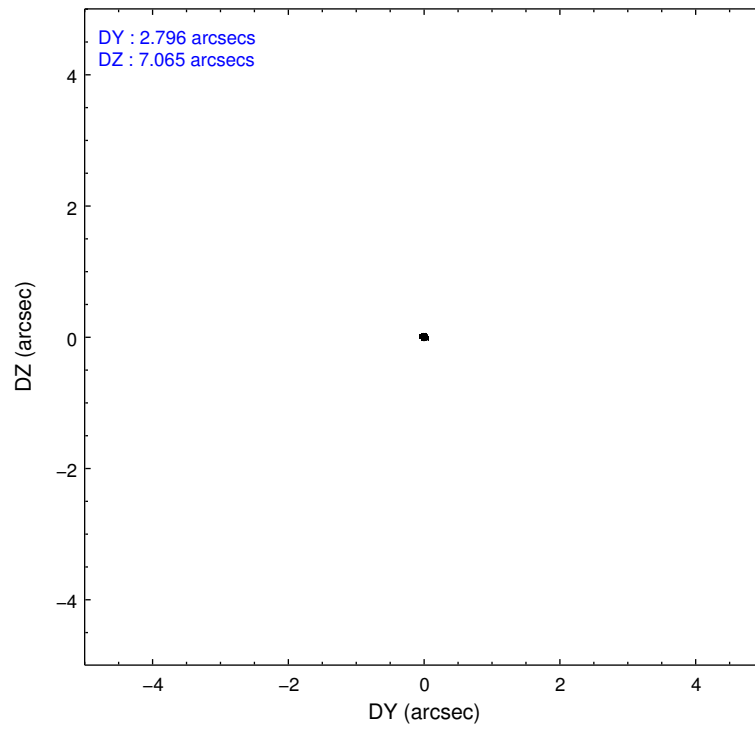
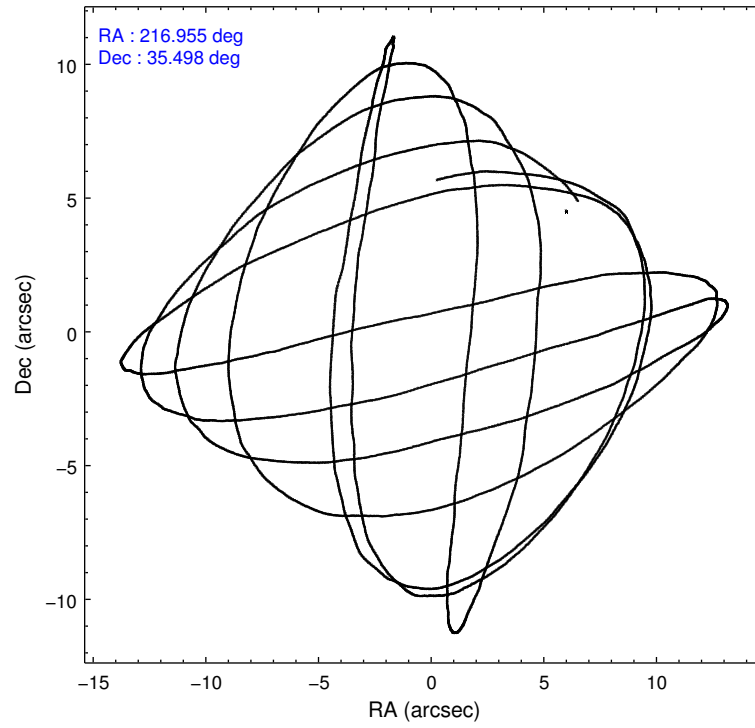
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	21645	22143	24799	23433	23545
rejected events	19334	19675	22567	21187	21054
rejected %	89%	88%	90%	90%	89%

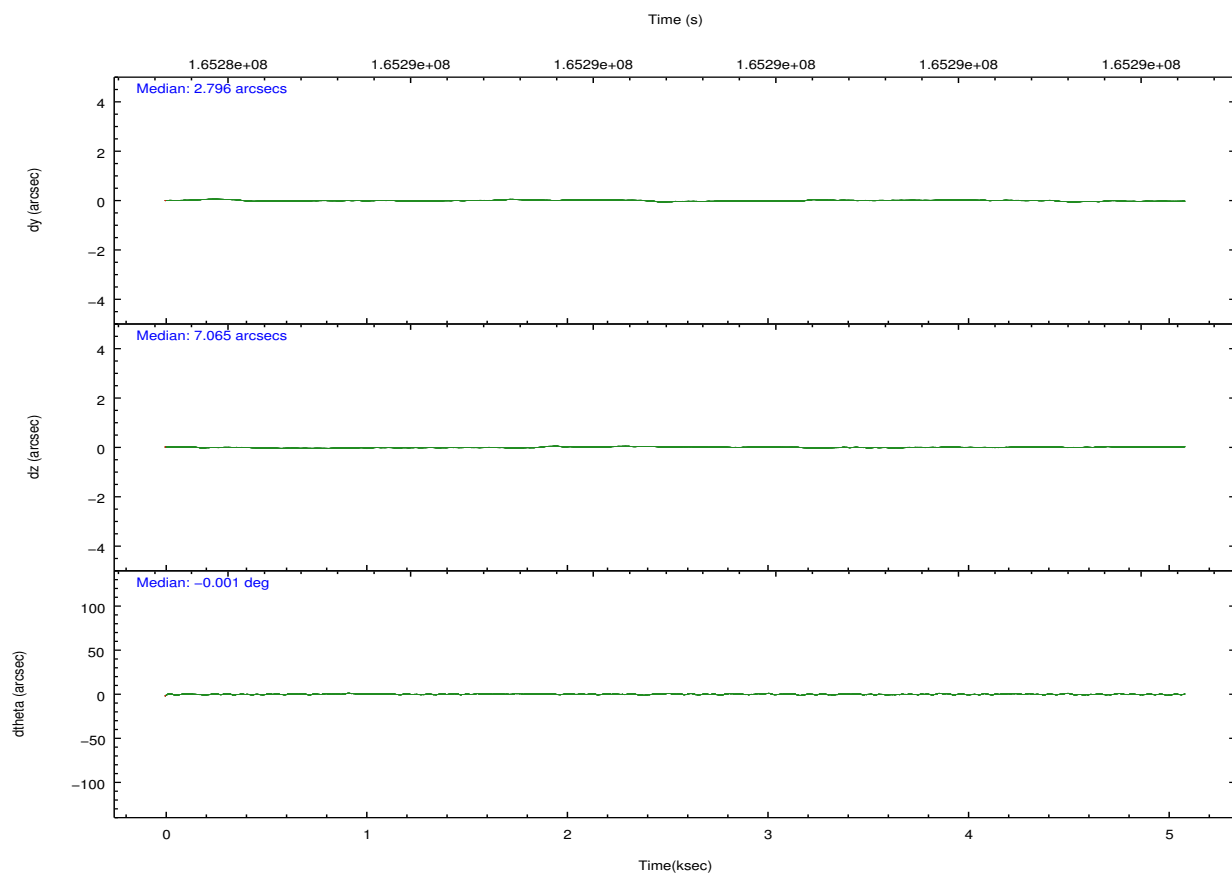
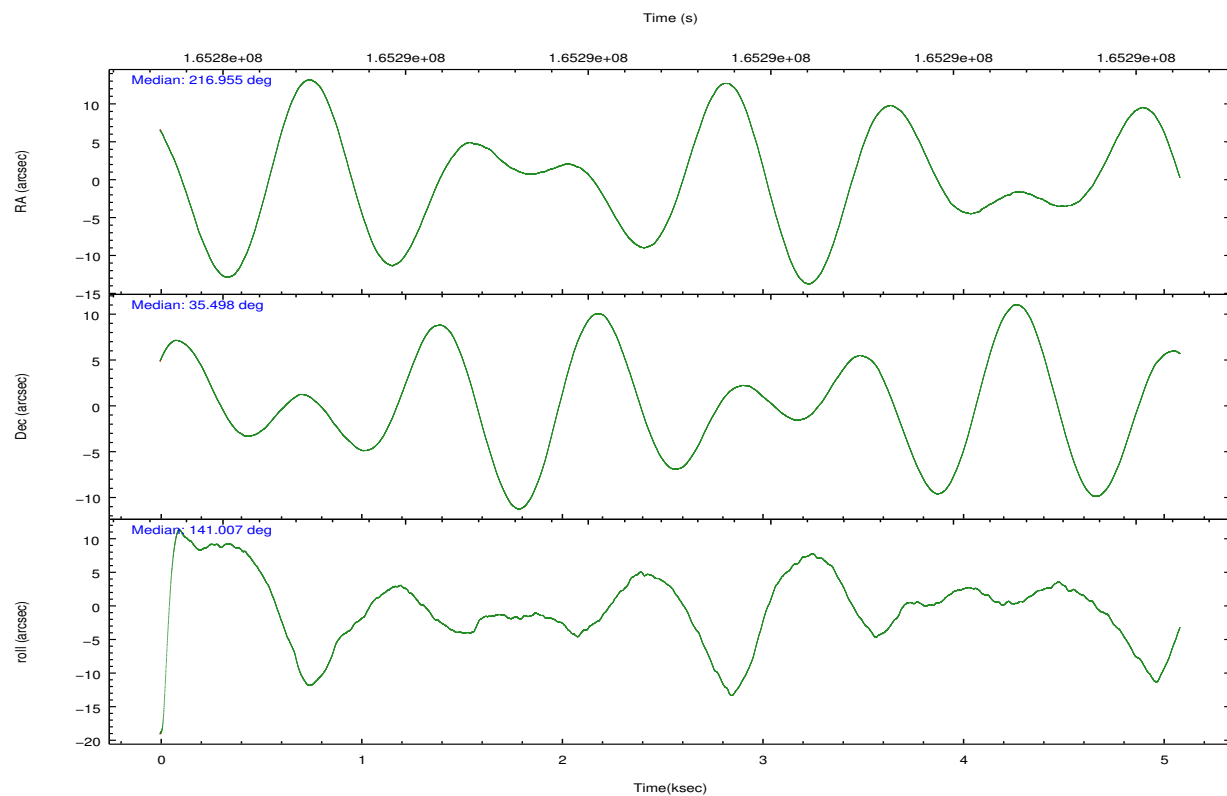
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	850	898	856	862	991
	3%	4%	3%	3%	4%
grade 1 events	14	9	13	8	14
	0%	0%	0%	0%	0%
grade 2 events	513	483	483	458	492
	2%	2%	1%	1%	2%
grade 3 events	277	300	243	247	285
	1%	1%	0%	1%	1%
grade 4 events	239	297	280	257	266
	1%	1%	1%	1%	1%
grade 5 events	710	756	664	739	796
	3%	3%	2%	3%	3%
grade 6 events	436	491	373	426	461
	2%	2%	1%	1%	1%
grade 7 events	18606	18909	21887	20436	20240
	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	216.987722	216.954505808486	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.493779	35.49796060908746	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782258	141.0101706102672	[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)	165285090.184000	165284714.47048			
Observation start date	2003-03-29T00:30:26	2003-03-29T00:25:14			
[s] Observation end time (MET)	165289990.184000	165290632.30823			
Observation end date	2003-03-29T01:52:06	2003-03-29T02:03:52			
Read mode	TIMED	TIMED			

2.3 Aspect



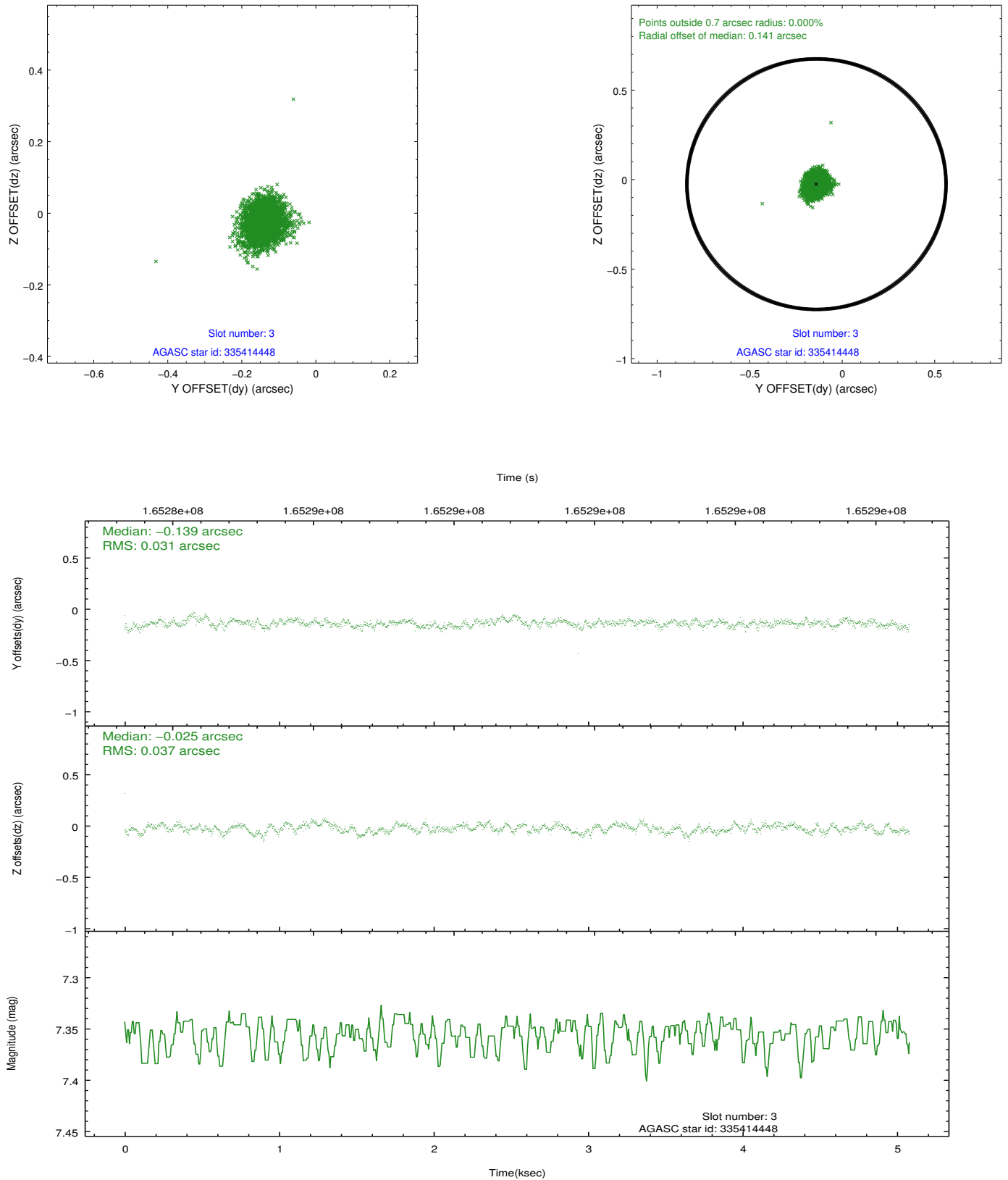


Slot Statistics

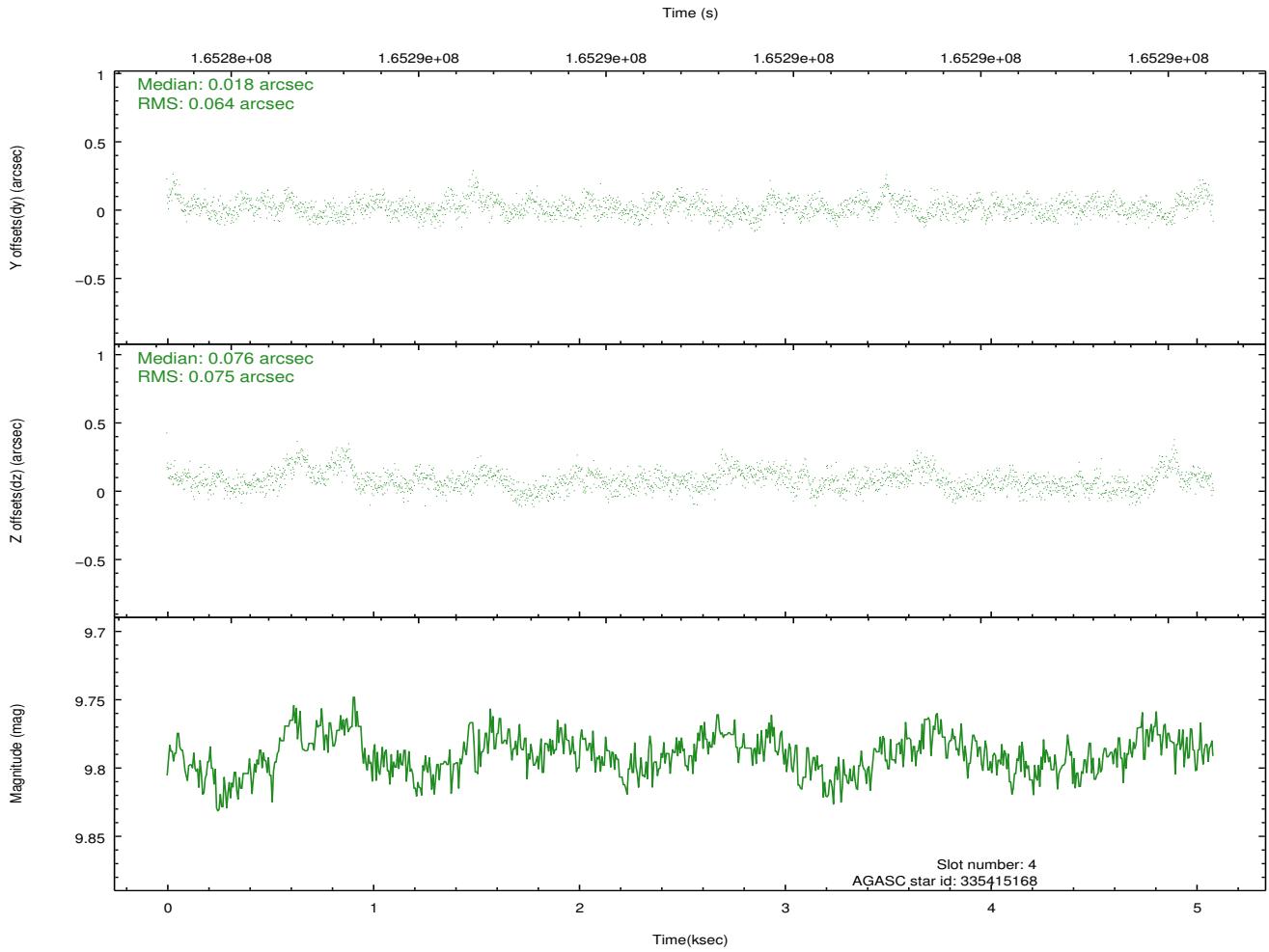
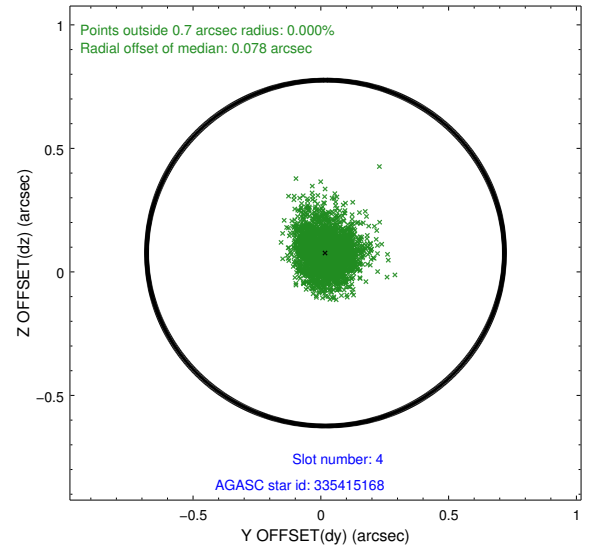
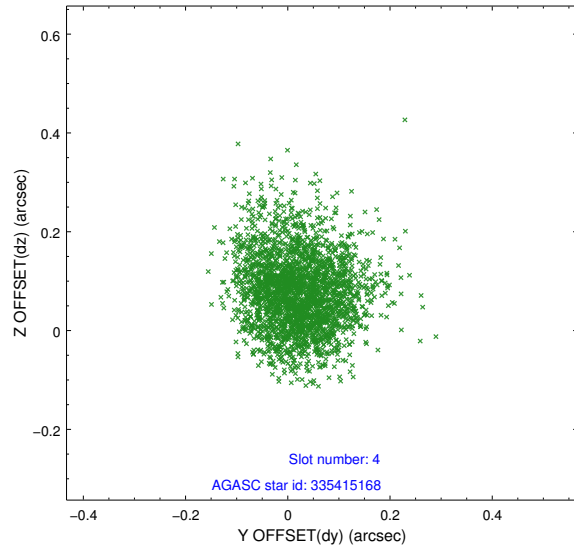
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1241	0.016	0.003	0.006	0.011	0.000000	0.000000	937.01	-830.47
1	FID	ACIS-I-5	7.24	1241	-0.084	0.057	0.007	0.011	0.000000	0.000000	-1810.50	1066.52
2	FID	ACIS-I-6	7.26	1241	-0.024	0.009	0.007	0.011	0.000000	0.000000	401.26	1712.29
3	GUIDE	335414448	7.35	2480	-0.139	-0.025	0.050	0.081	216.992261	35.577204	179.20	-240.55
4	GUIDE	335415168	9.79	2480	0.018	0.076	0.105	0.173	217.681296	35.301767	-2010.70	-757.89
5	GUIDE	335417968	9.39	2480	0.066	-0.016	0.093	0.174	217.358149	35.055285	-1843.26	531.25
6	GUIDE	335419120	9.65	2479	0.017	0.042	0.093	0.148	216.521861	35.833546	1828.14	-89.64
7	GUIDE	335028336	9.48	2480	0.031	-0.075	0.111	0.180	217.189840	34.665629	-2347.65	1931.20

2.4 Star Slots

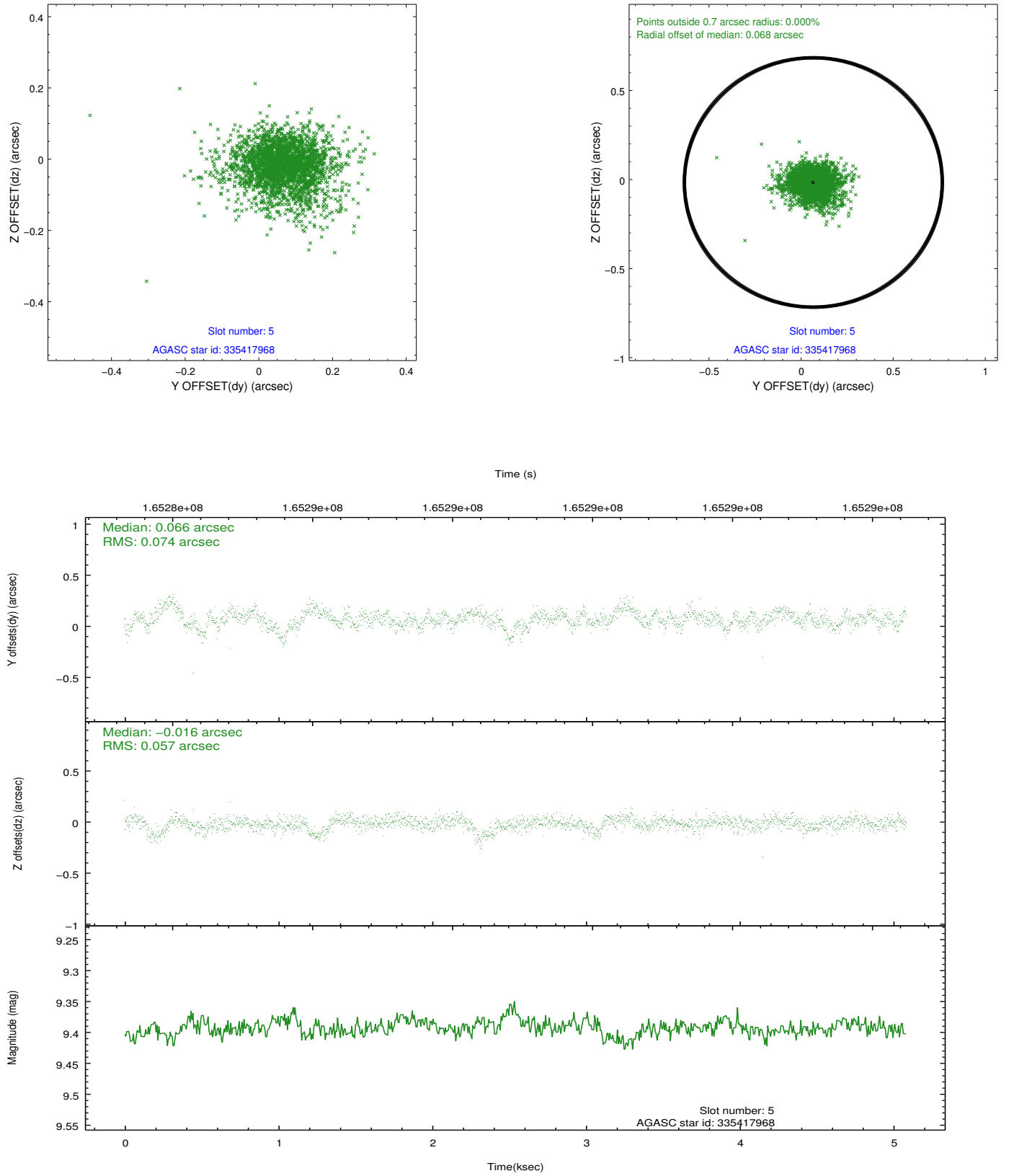
2.4.1 Slot 3



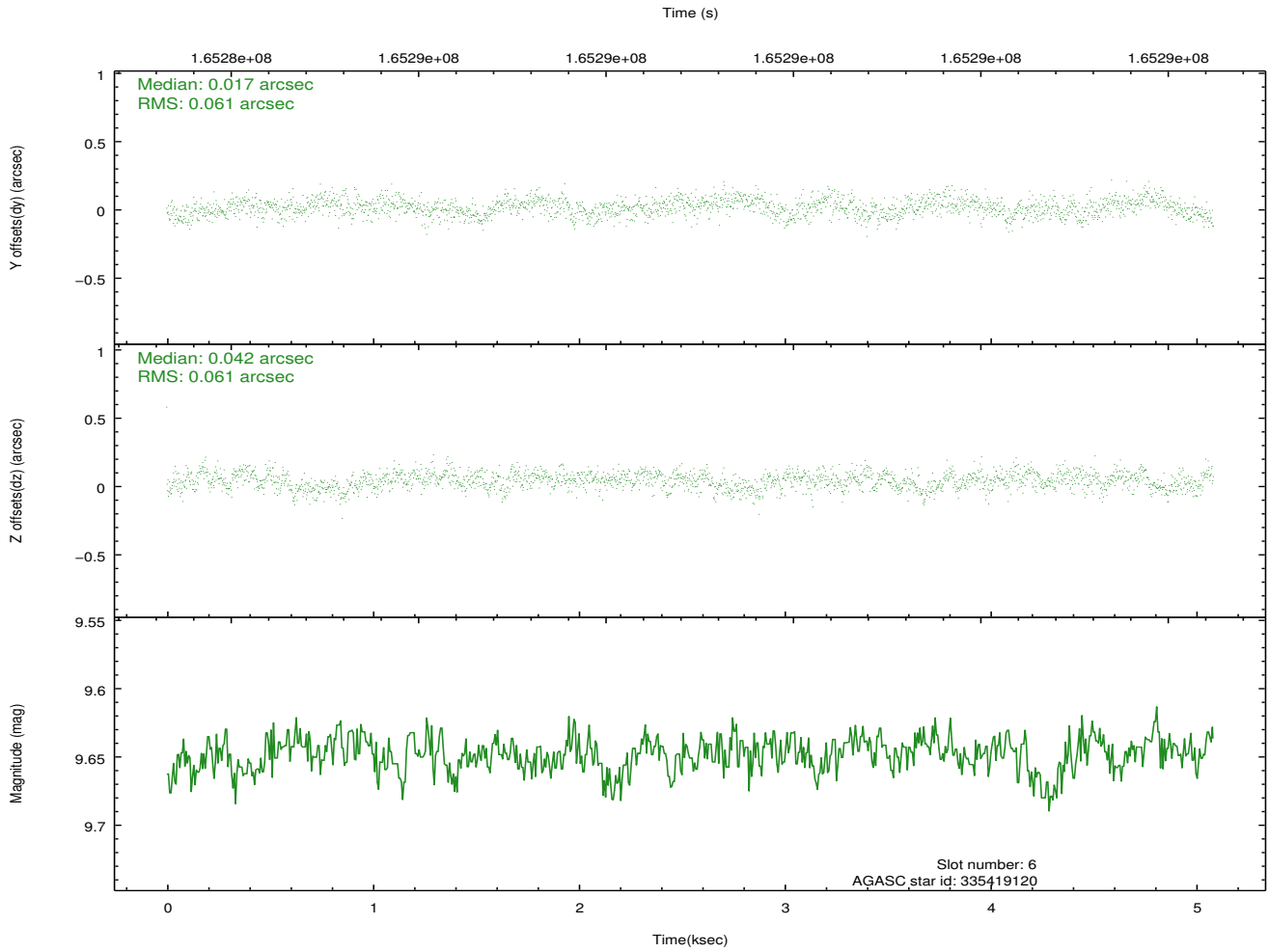
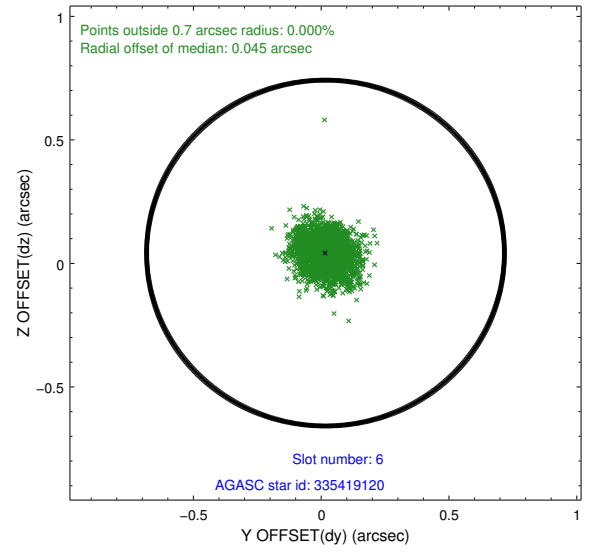
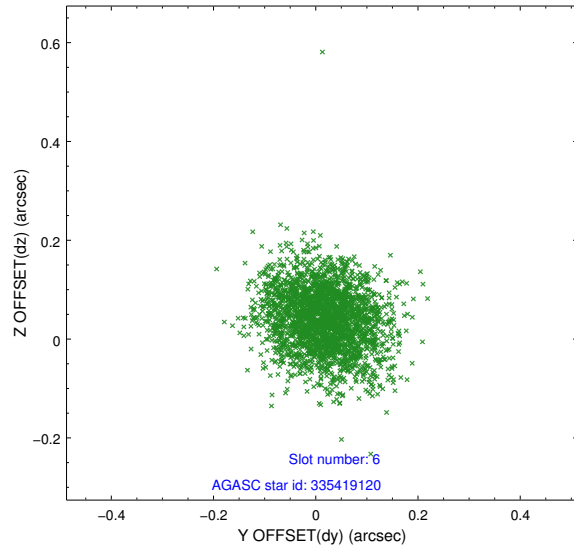
2.4.2 Slot 4



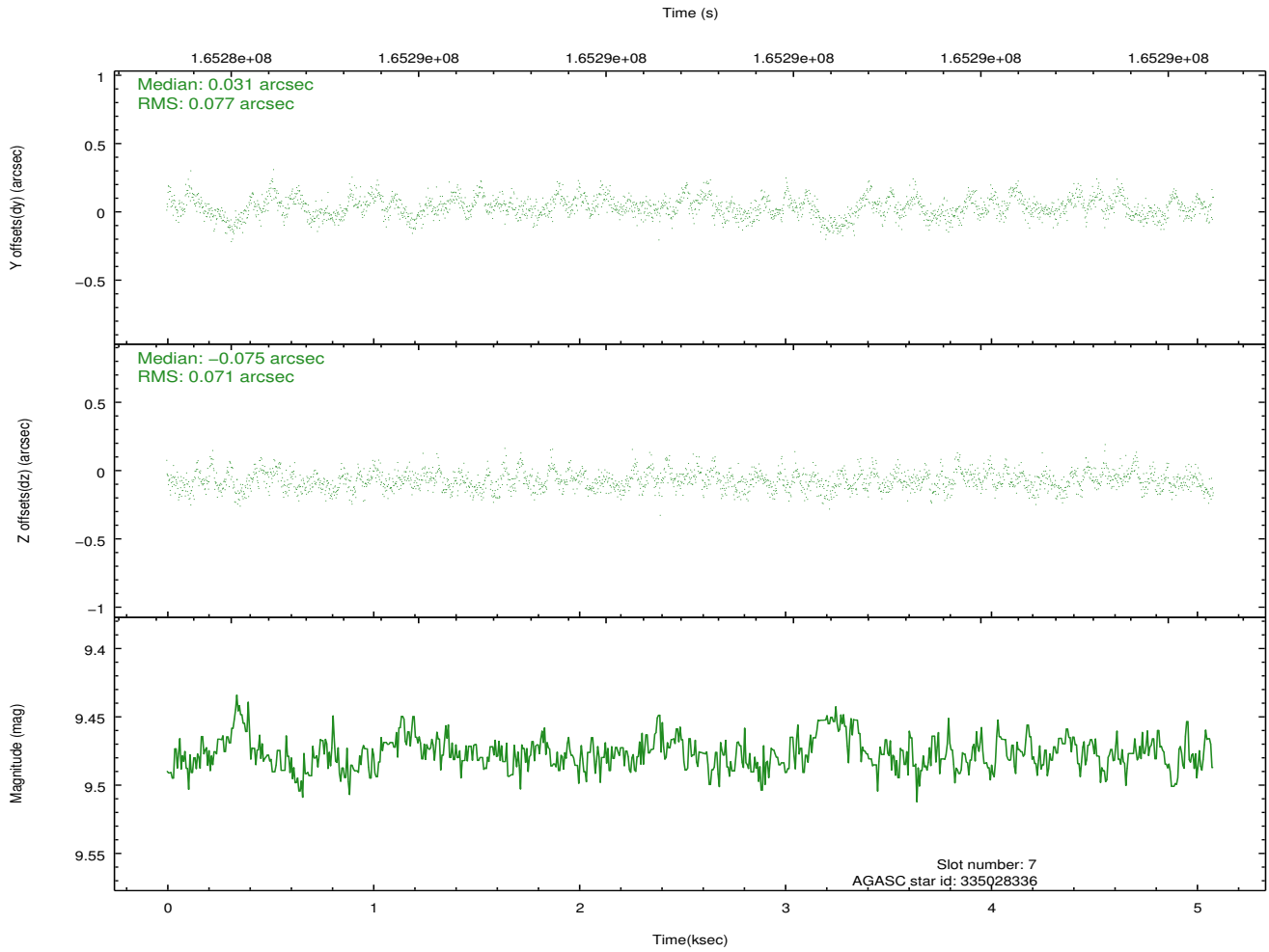
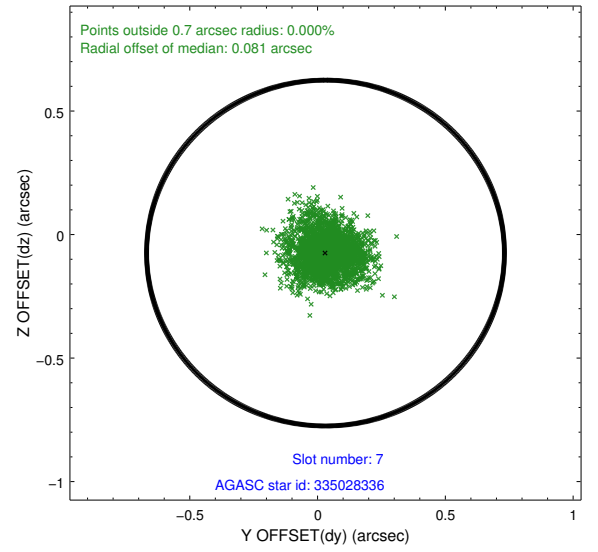
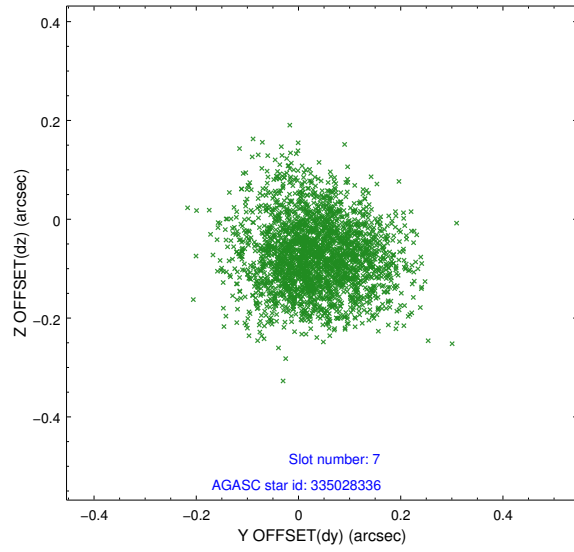
2.4.3 Slot 5



2.4.4 Slot 6

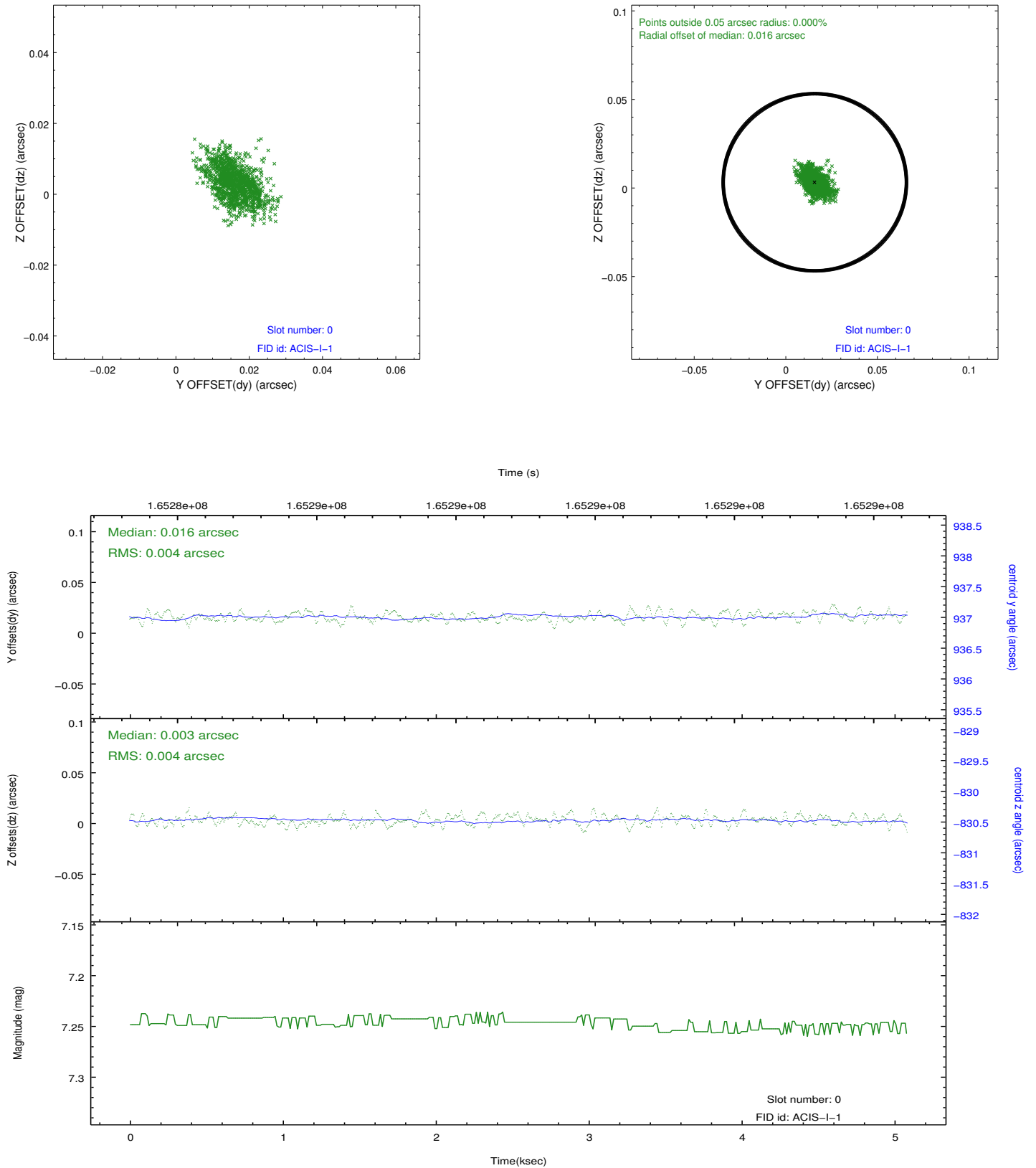


2.4.5 Slot 7

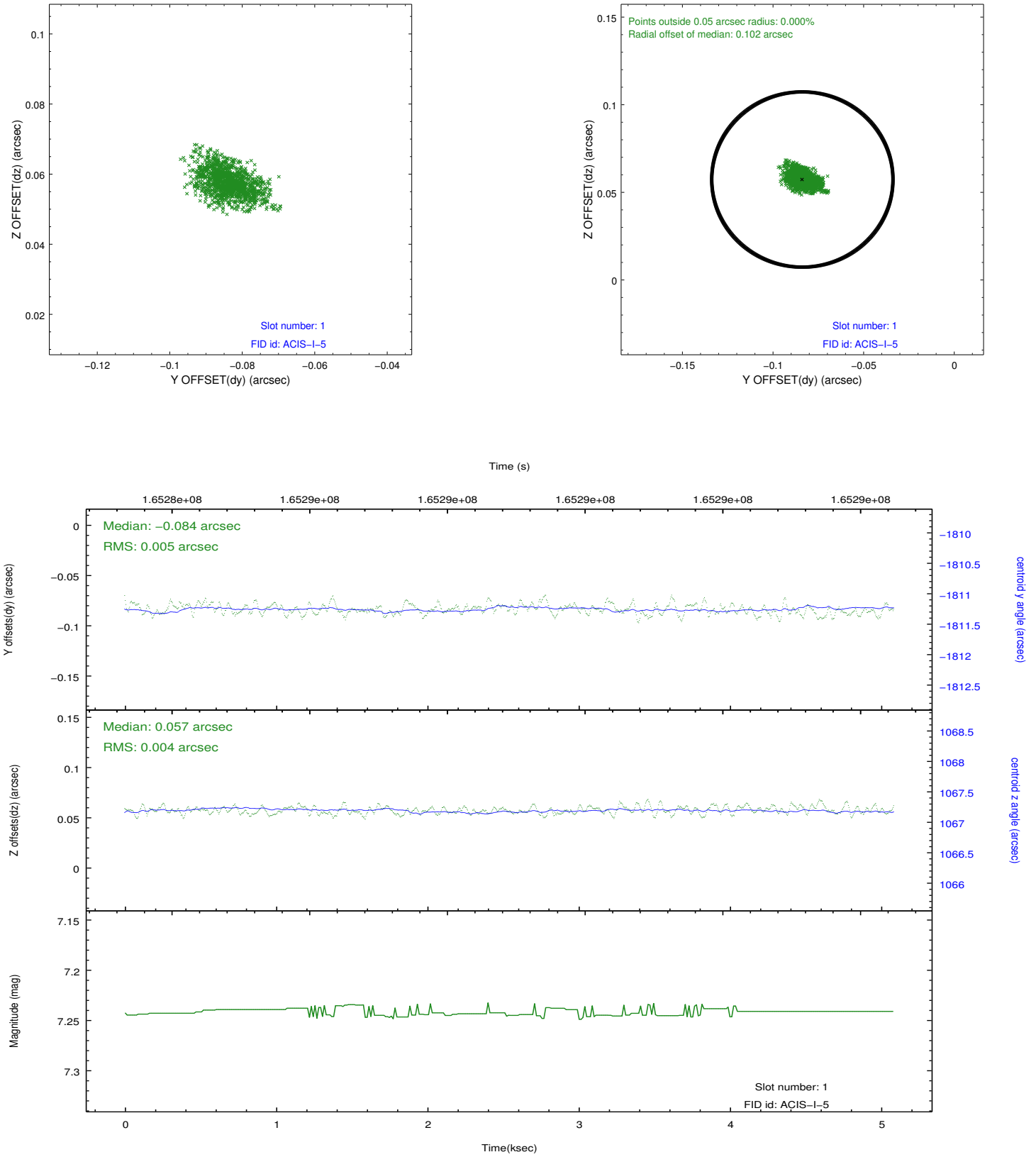


2.5 FID Slots

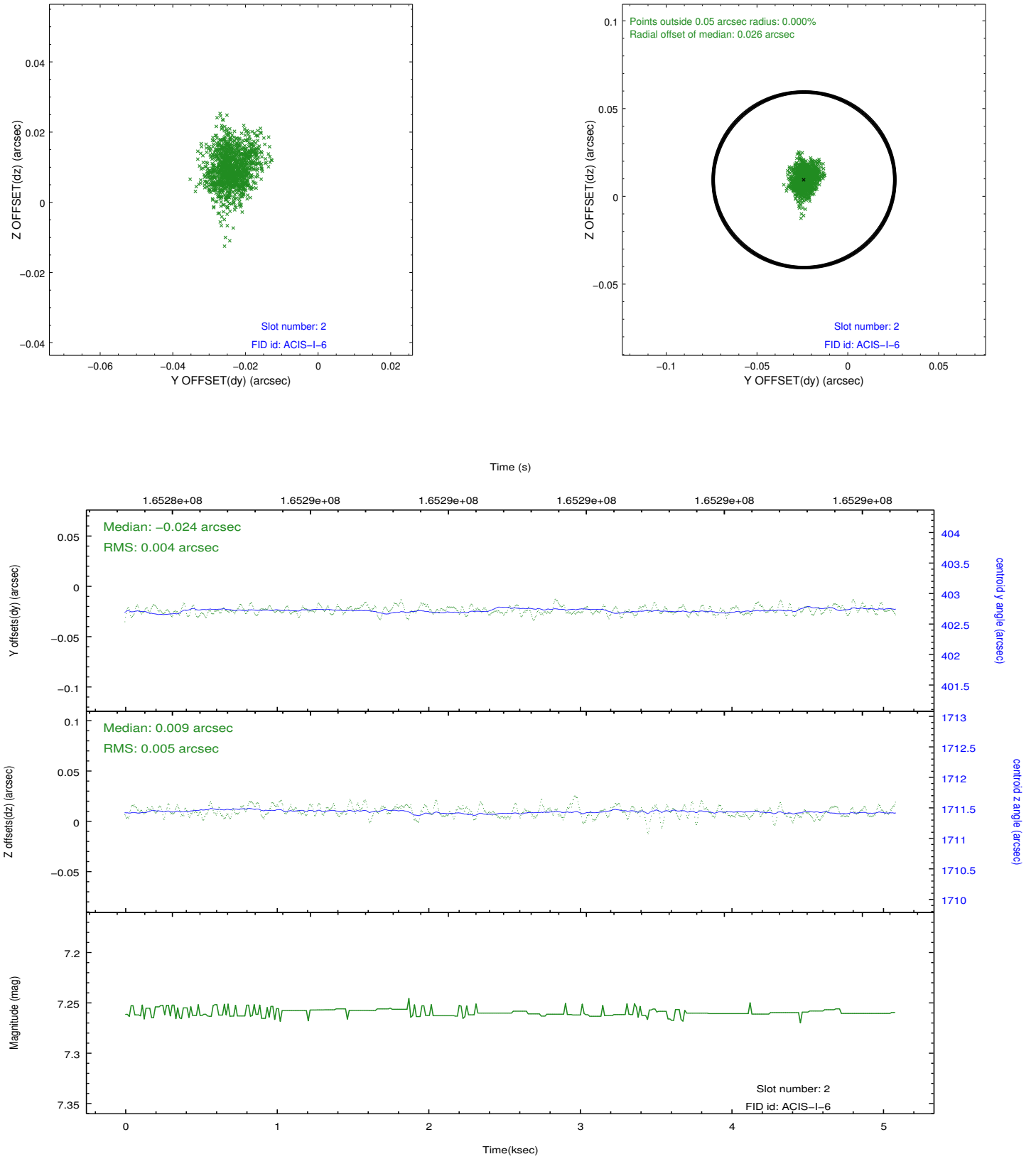
2.5.1 Slot 0



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