

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3617 - L2 Version 3
Chandra X-Ray Center

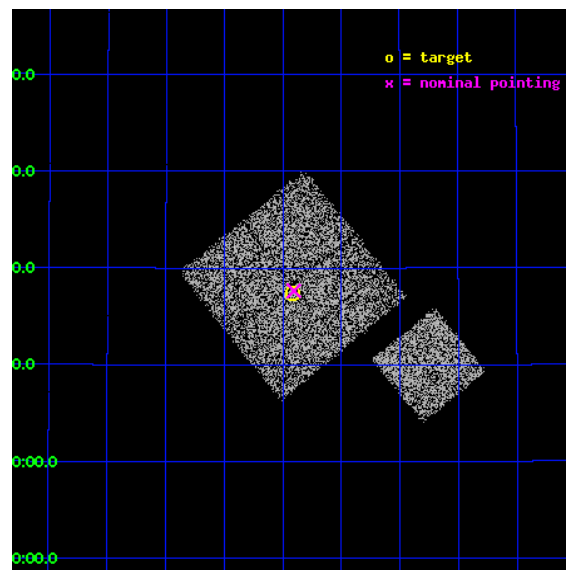
L2 Processing Date : Oct 26 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

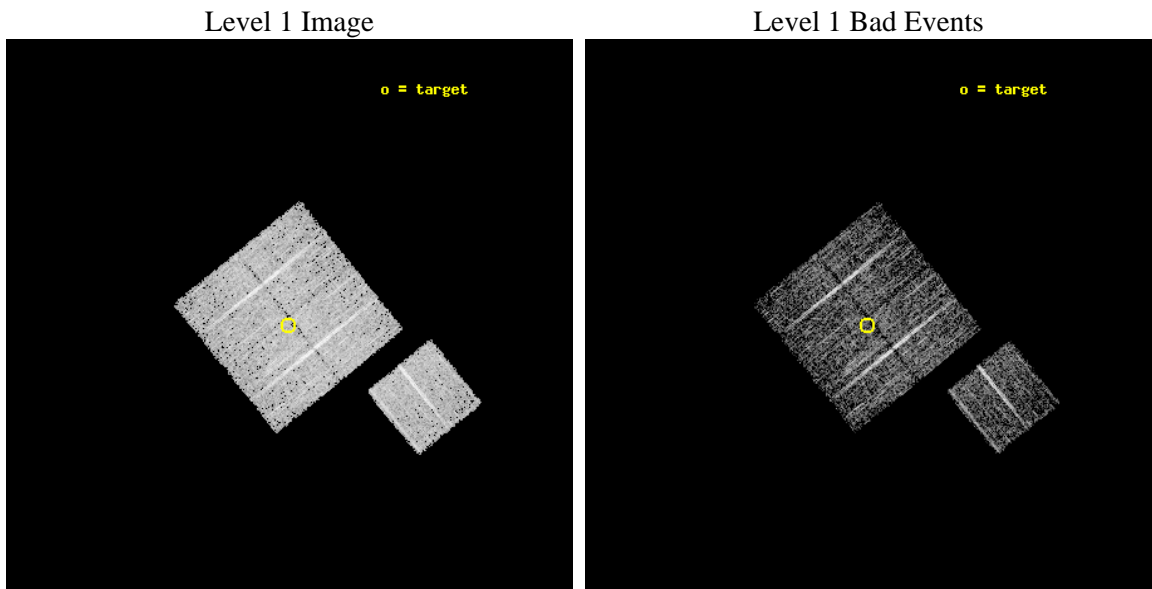
seq_num	900217	Sequence number
obs_id	3617	Observation id
title	CHANDRA LARGE SCALE SURVEY OF THE NOAO BOOTES DEEP FIELD	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NOAO FIELD F26	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.604097	Observer's specified target RA [deg]
dec_targ	35.290164	Observer's specified target Dec [deg]
ra_nom	217.60127700897	Nominal RA [deg]
dec_nom	35.294251384113	Nominal Dec [deg]
roll_nom	141.01031181283	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4290.2626389563	Sum of GTIs [s]
livetime	4234.2071991329	Livetime [s]
ontime0	4290.1395189464	Sum of GTIs [s]
ontime1	4287.0396185815	Sum of GTIs [s]
ontime2	4290.221598953	Sum of GTIs [s]
ontime3	4290.2626389563	Sum of GTIs [s]
ontime6	4290.0984789431	Sum of GTIs [s]
l2events	17963	Number of level 2 events



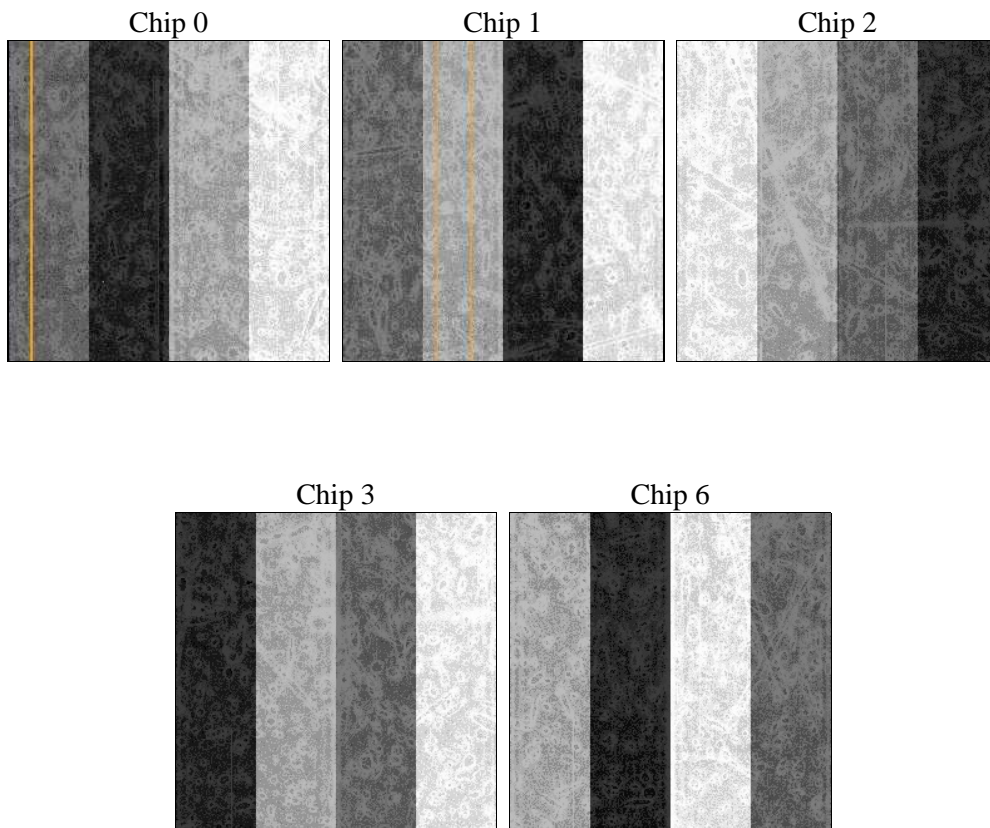
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4511.007000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4290.2626389563	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	4290.1395189464	Sum of GTIs [s]
date	2012-10-26T01:21:20	Date and time of file creation	ontime1	4287.0396185815	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4290.221598953	Sum of GTIs [s]
			ontime3	4290.2626389563	Sum of GTIs [s]
			ontime6	4290.0984789431	Sum of GTIs [s]
			l1events	118645	Number of level 1 events

2.1.4 Events

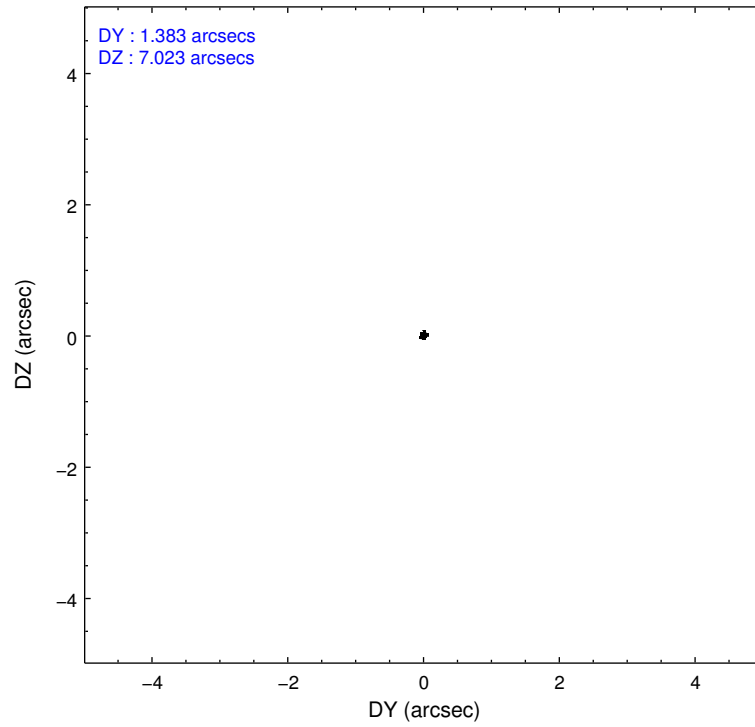
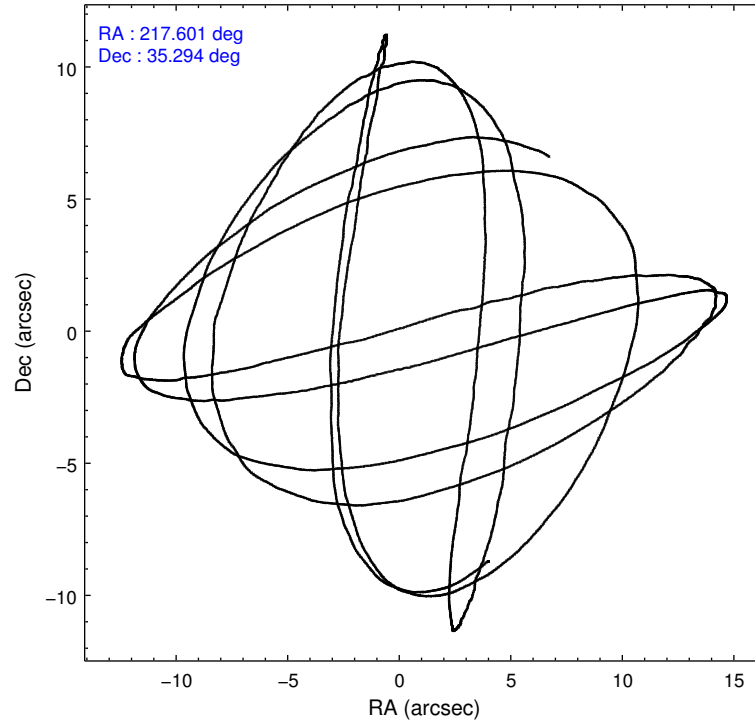
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	22423	22217	25984	24587	23434
rejected events	18348	18207	22014	20669	18940
rejected %	81%	81%	84%	84%	80%

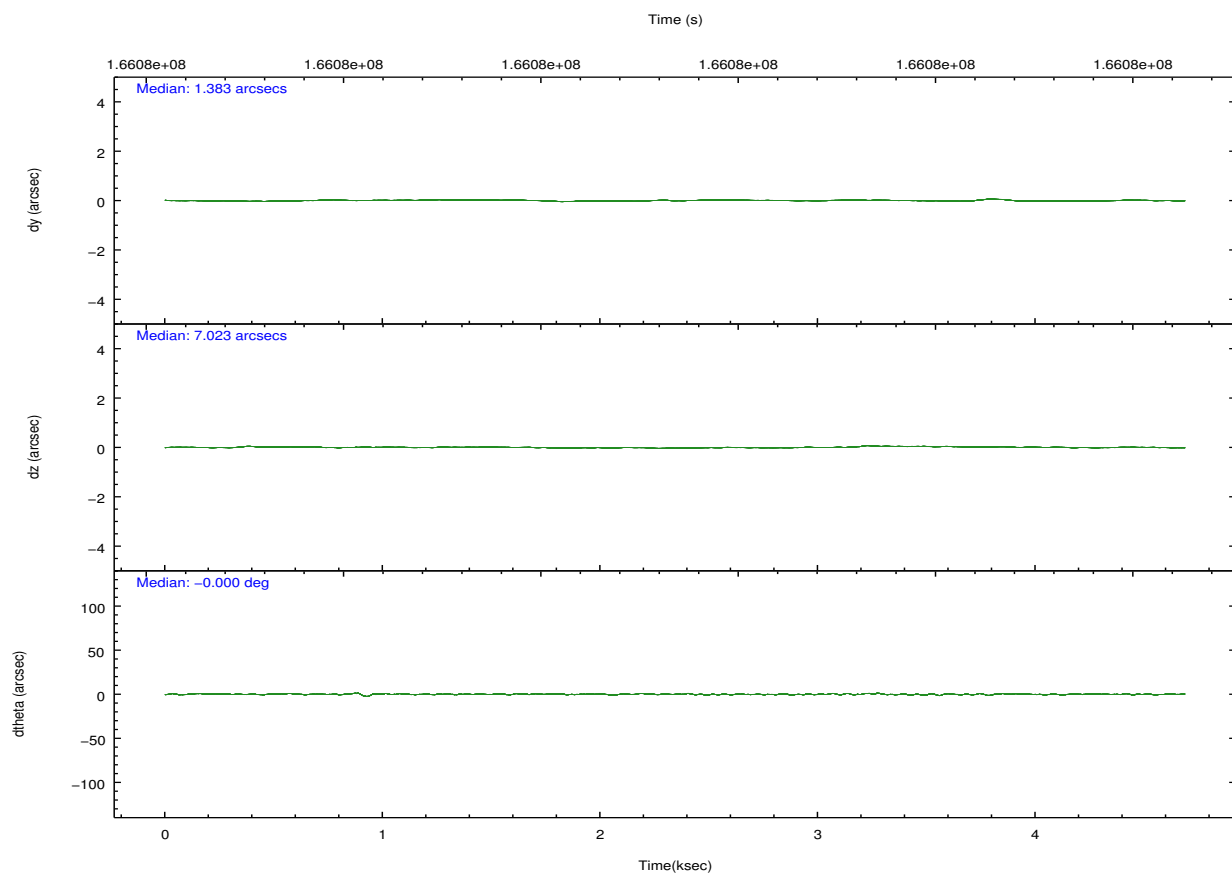
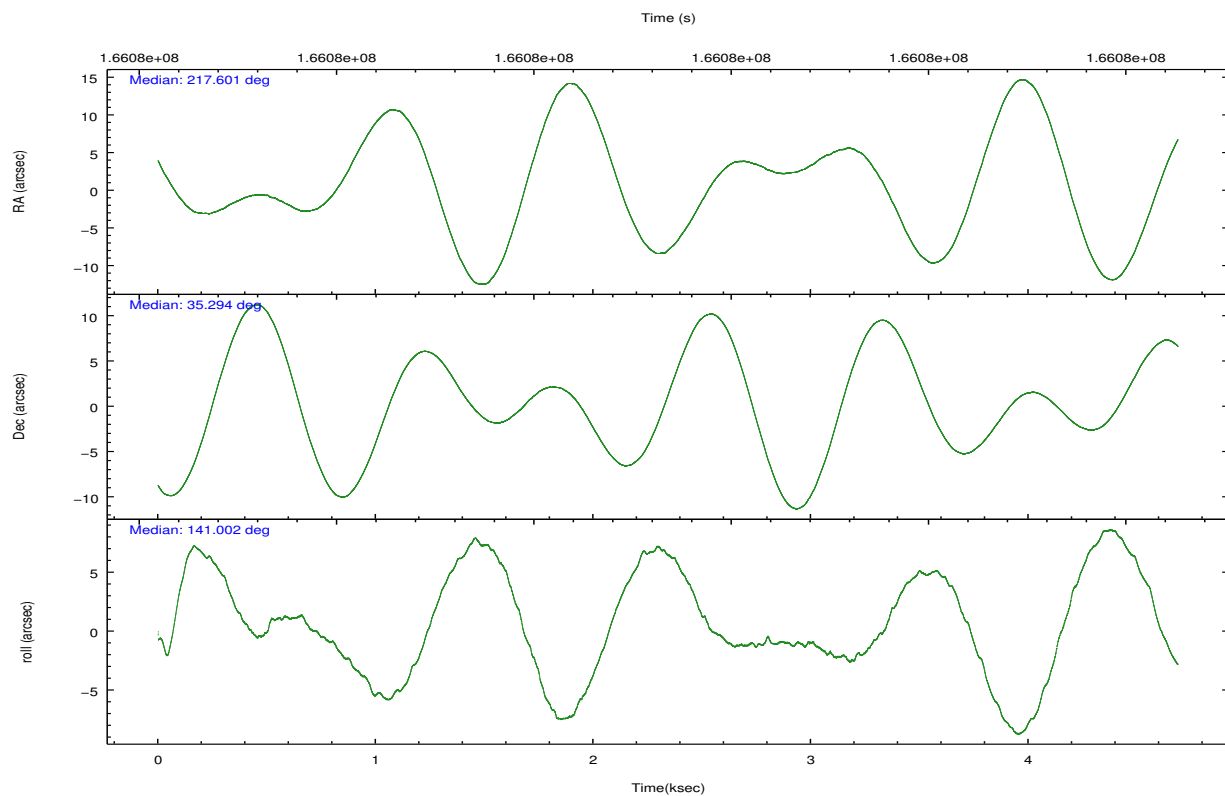
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2137	2128	2178	2088	2500
	9%	9%	8%	8%	10%
grade 1 events	22	16	18	21	15
	0%	0%	0%	0%	0%
grade 2 events	725	680	691	612	707
	3%	3%	2%	2%	3%
grade 3 events	335	347	296	304	311
	1%	1%	1%	1%	1%
grade 4 events	318	295	315	323	330
	1%	1%	1%	1%	1%
grade 5 events	607	682	569	720	704
	2%	3%	2%	2%	3%
grade 6 events	563	562	492	593	652
	2%	2%	1%	2%	2%
grade 7 events	17716	17507	21425	19926	18215
	79%	78%	82%	81%	77%

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	217.634576	217.6012770089706	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.290091	35.29425138411337	Alternating exposures requested	N	N
[deg] Pointing Roll	140.782394	141.0103118128294	[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)	166076515.184000	166076139.55387			
Observation start date	2003-04-07T04:20:51	2003-04-07T04:15:39			
[s] Observation end time (MET)	166081026.184000	166081340.91659			
Observation end date	2003-04-07T05:36:02	2003-04-07T05:42:20			
Read mode	TIMED	TIMED			

2.3 Aspect



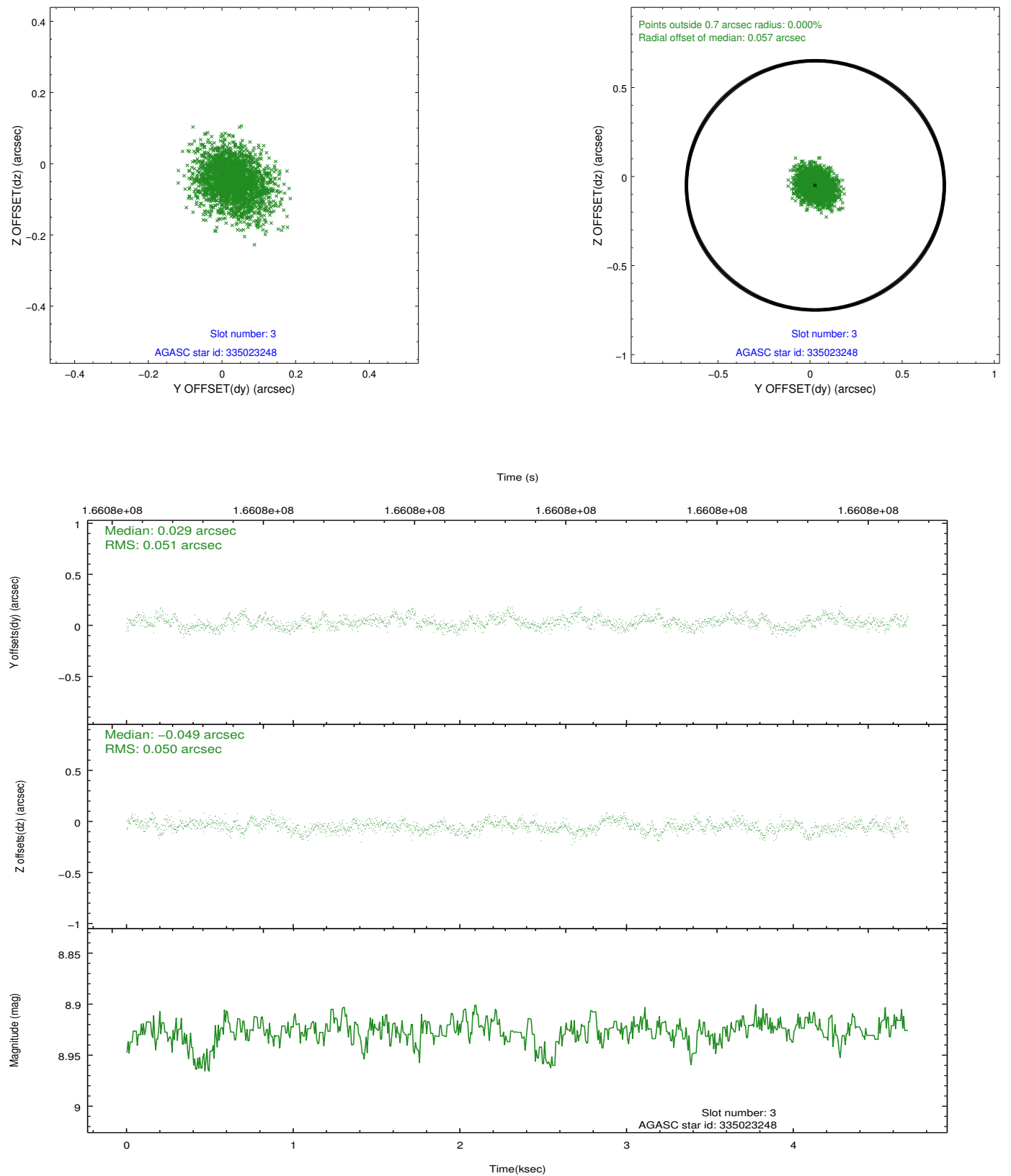


Slot Statistics

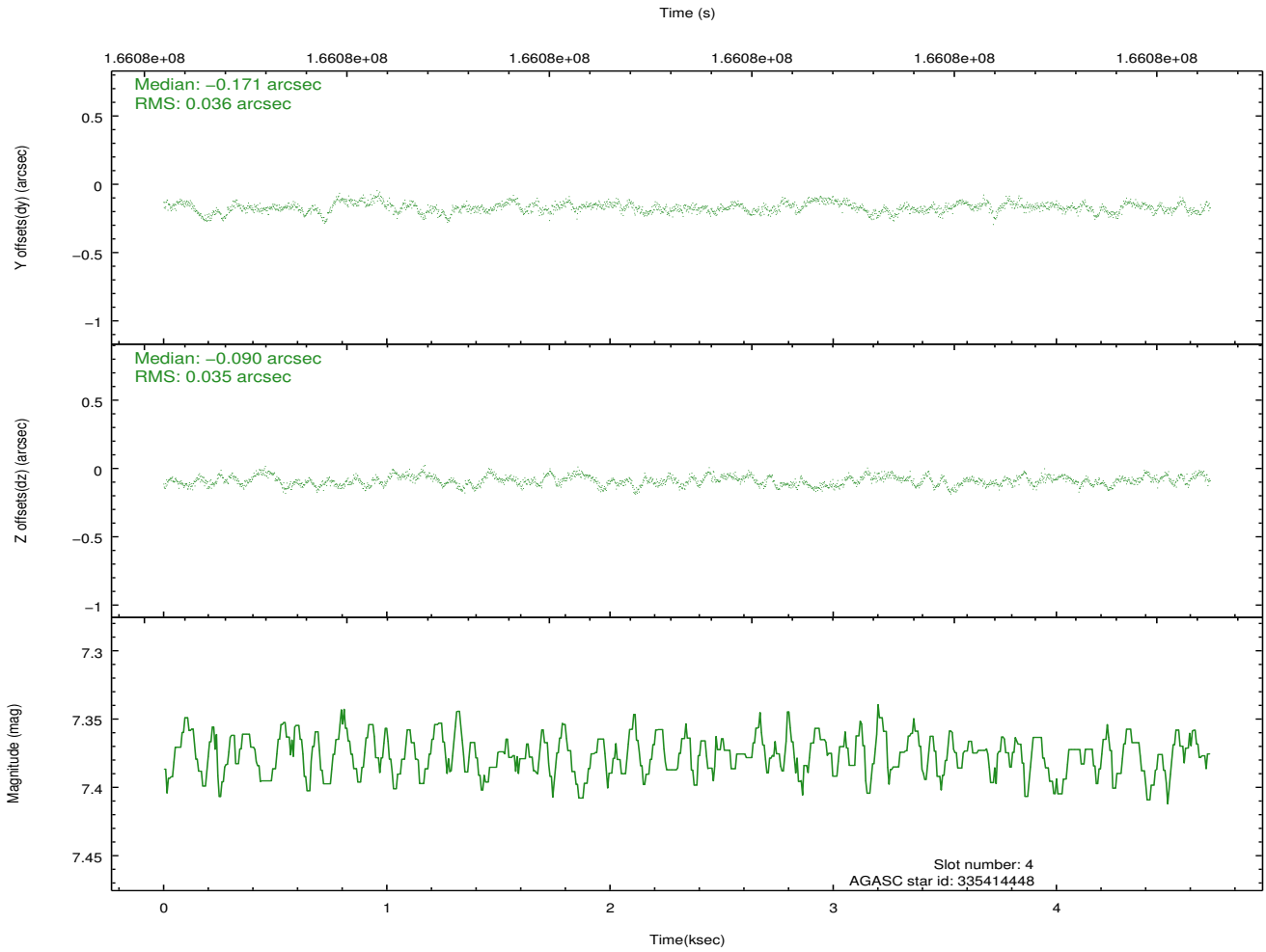
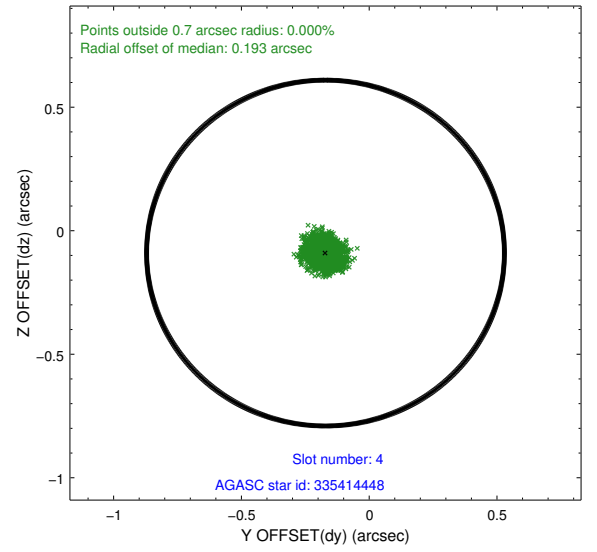
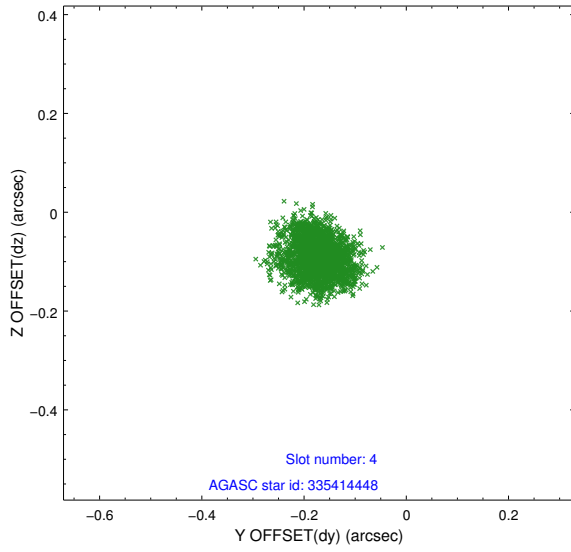
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1144	0.010	0.012	0.006	0.011	0.000000	0.000000	938.44	-830.43
1	FID	ACIS-I-5	7.24	1144	-0.080	0.054	0.006	0.009	0.000000	0.000000	-1808.98	1066.52
2	FID	ACIS-I-6	7.26	1144	-0.022	0.005	0.007	0.011	0.000000	0.000000	402.61	1712.40
3	GUIDE	335023248	8.93	2286	0.029	-0.049	0.077	0.125	217.634832	34.944512	-787.36	963.08
4	GUIDE	335414448	7.38	2288	-0.171	-0.090	0.055	0.085	216.992261	35.577204	2113.46	384.16
5	GUIDE	335417968	9.39	2286	0.000	0.052	0.087	0.142	217.358149	35.055285	98.08	1169.17
6	GUIDE	335421696	8.95	2286	-0.005	0.036	0.082	0.128	218.045699	35.772449	169.20	-2106.11
7	GUIDE	335422272	9.47	2286	0.146	0.047	0.089	0.146	217.586135	35.522660	639.61	-560.02

2.4 Star Slots

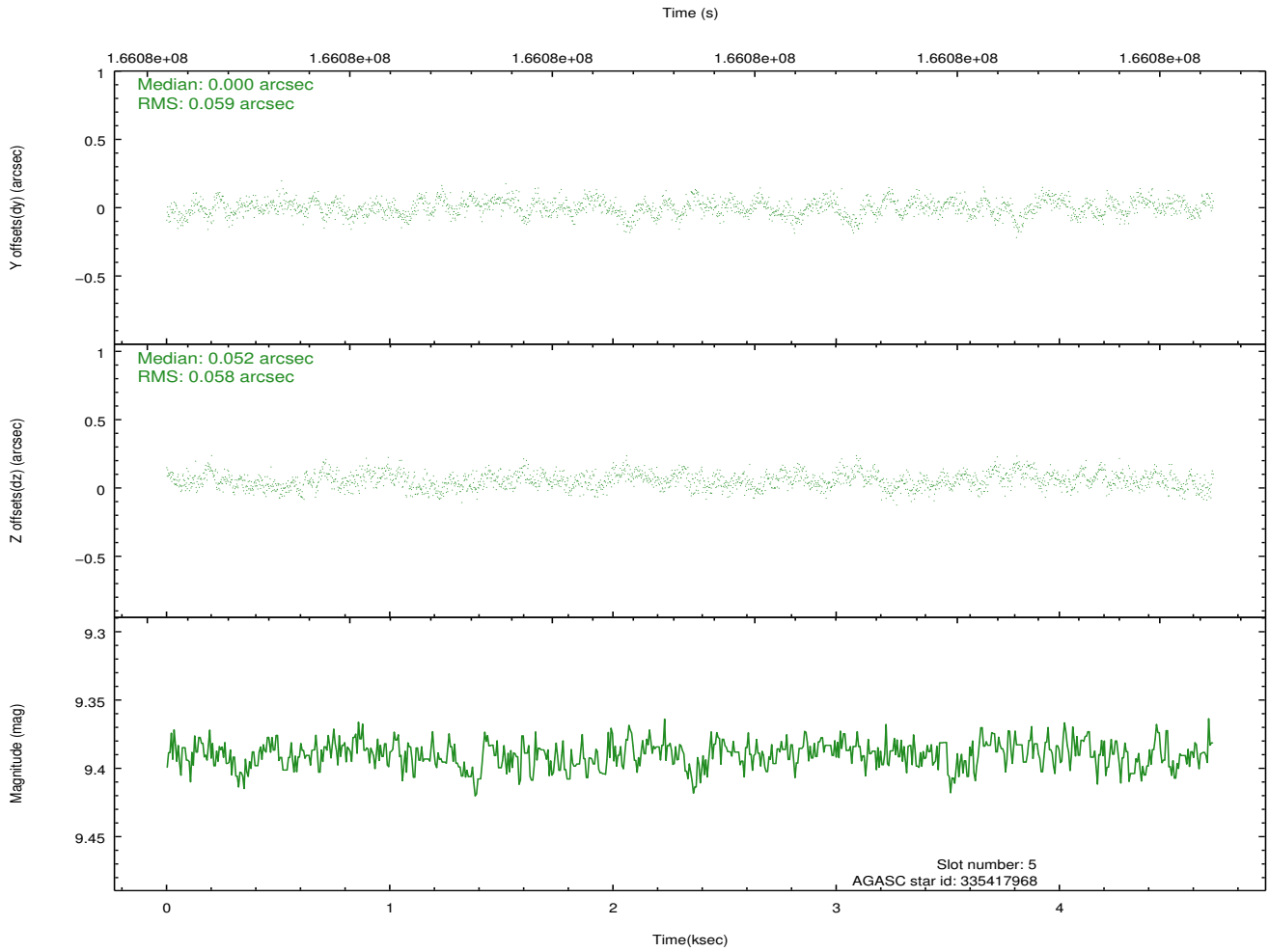
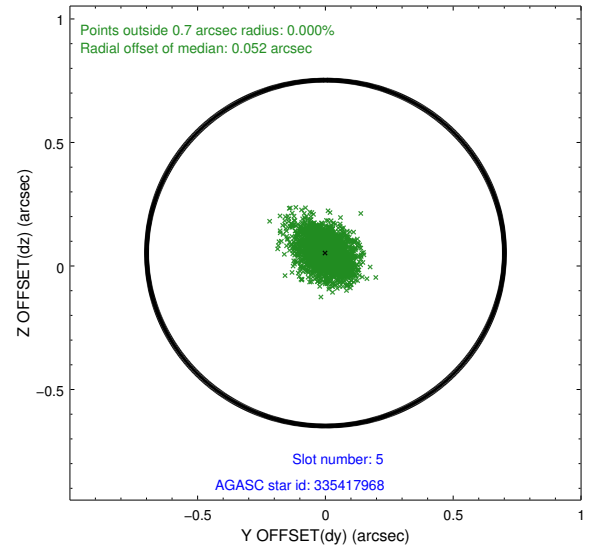
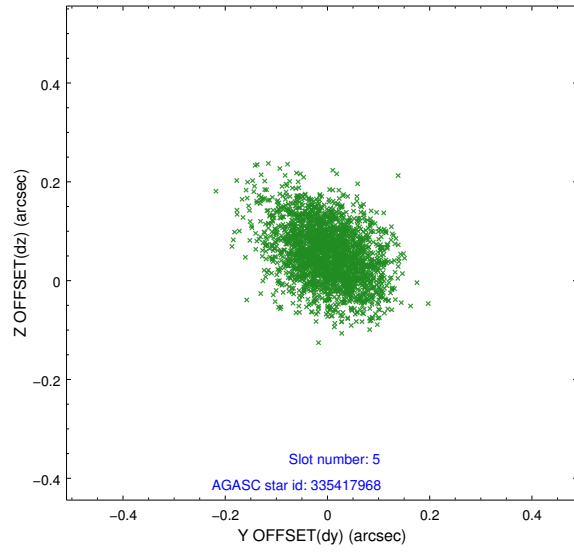
2.4.1 Slot 3



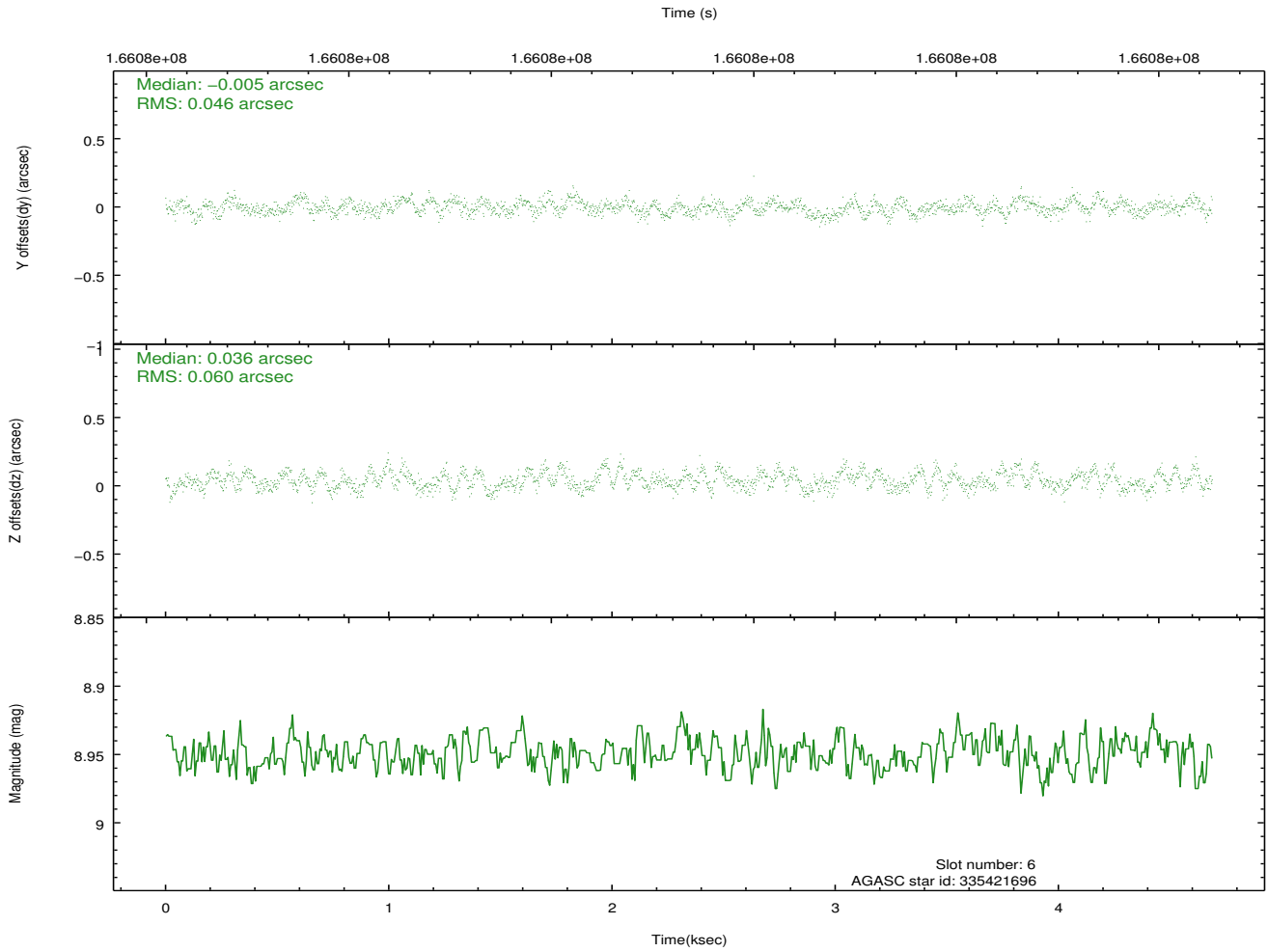
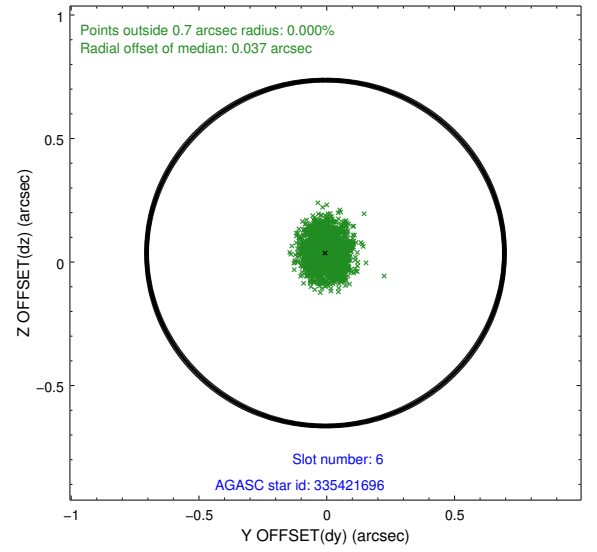
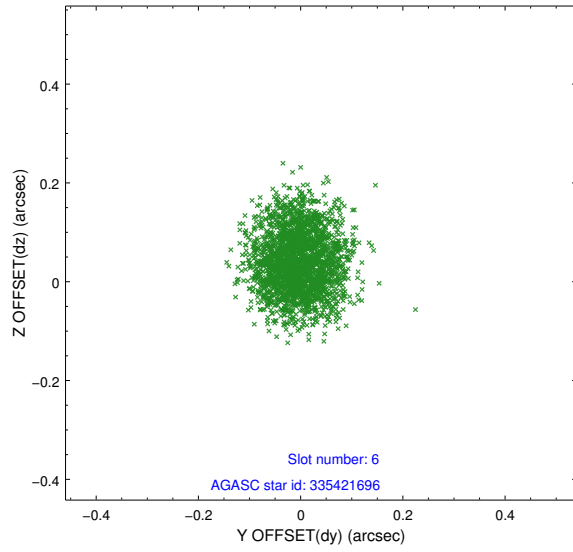
2.4.2 Slot 4



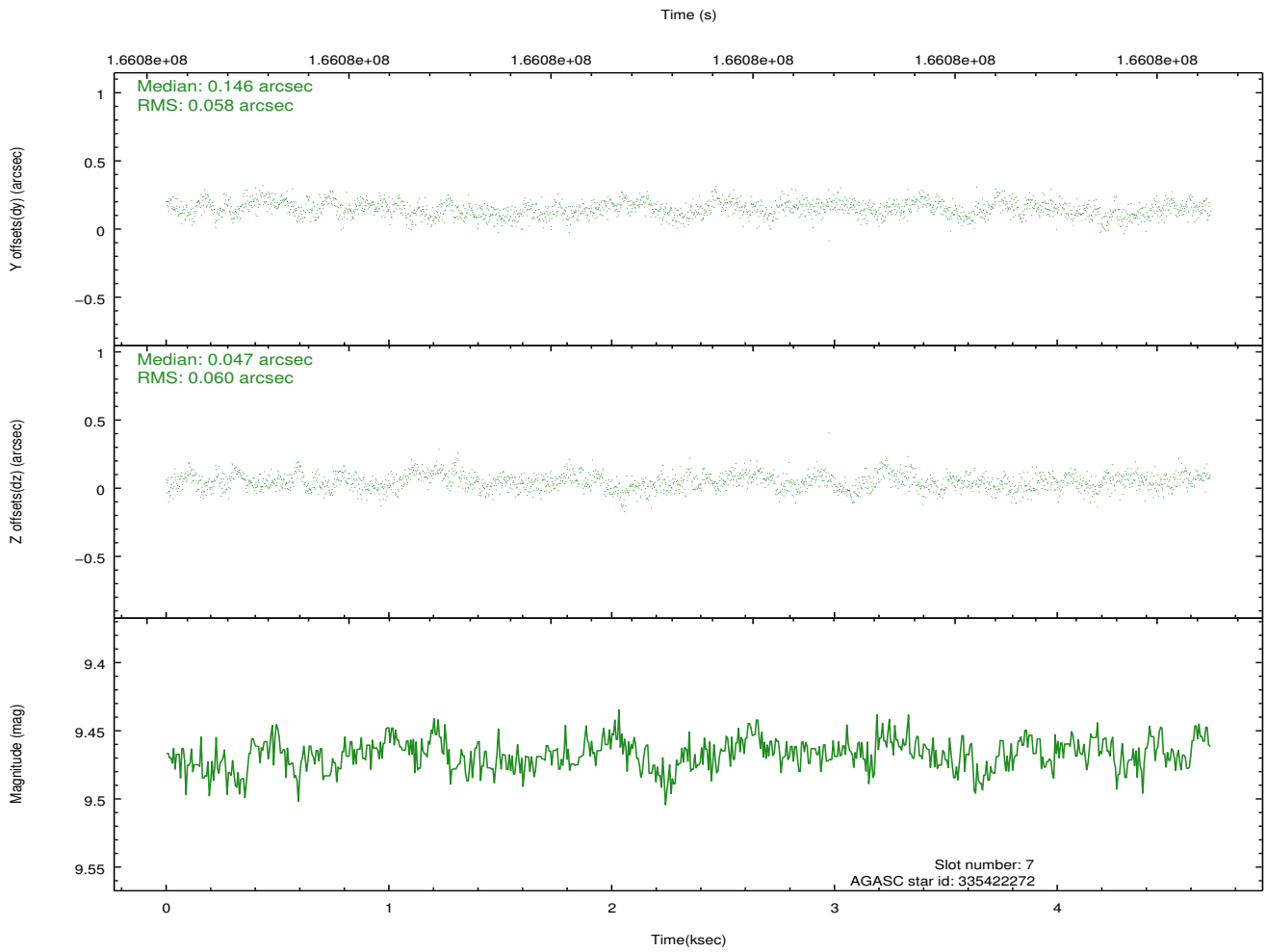
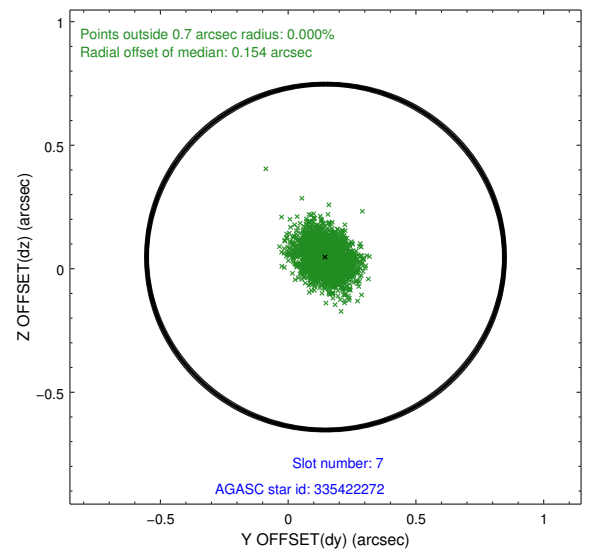
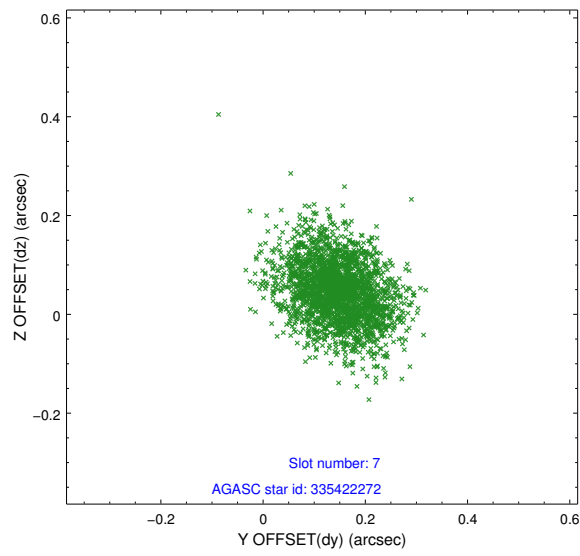
2.4.3 Slot 5



2.4.4 Slot 6

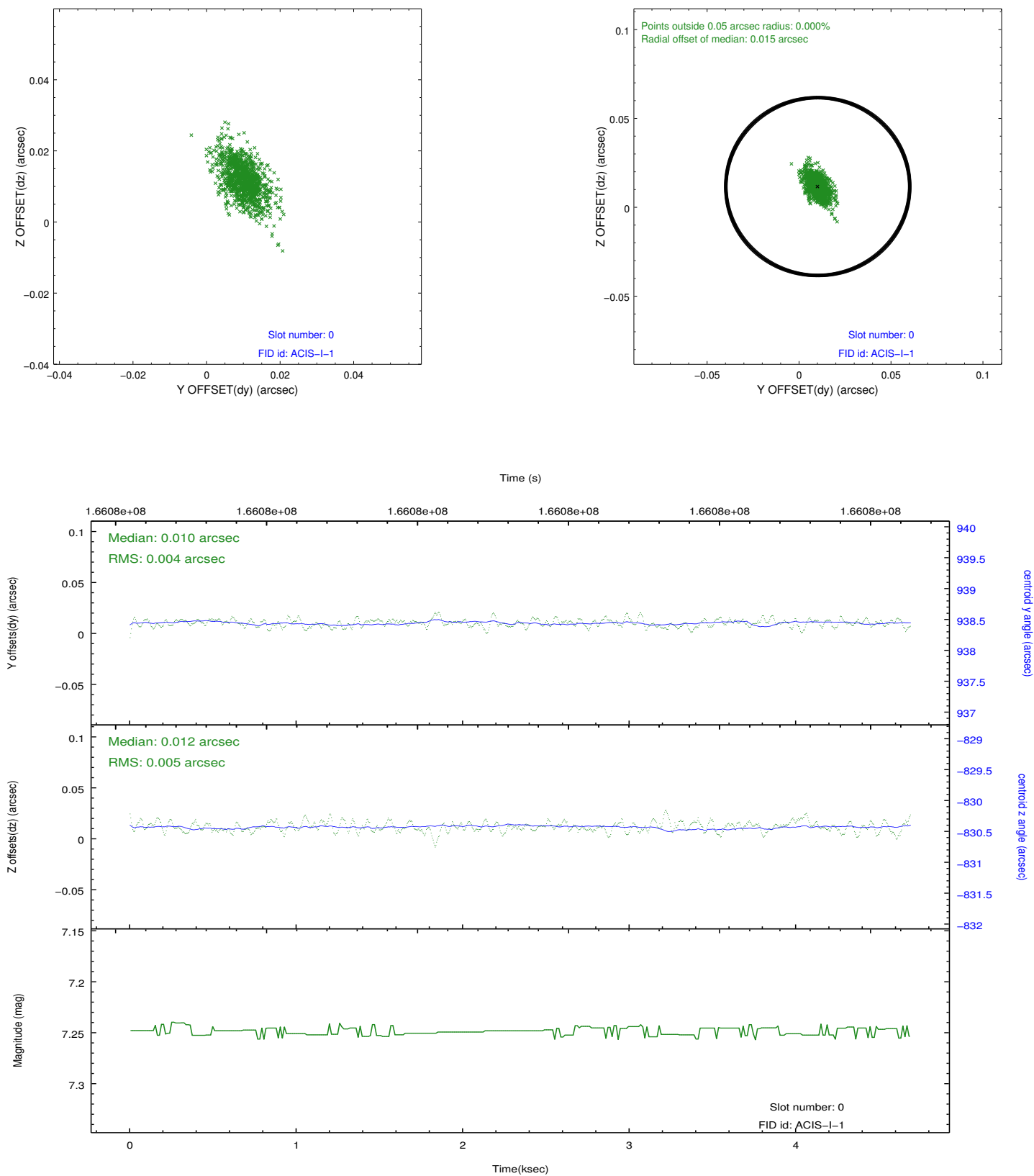


2.4.5 Slot 7

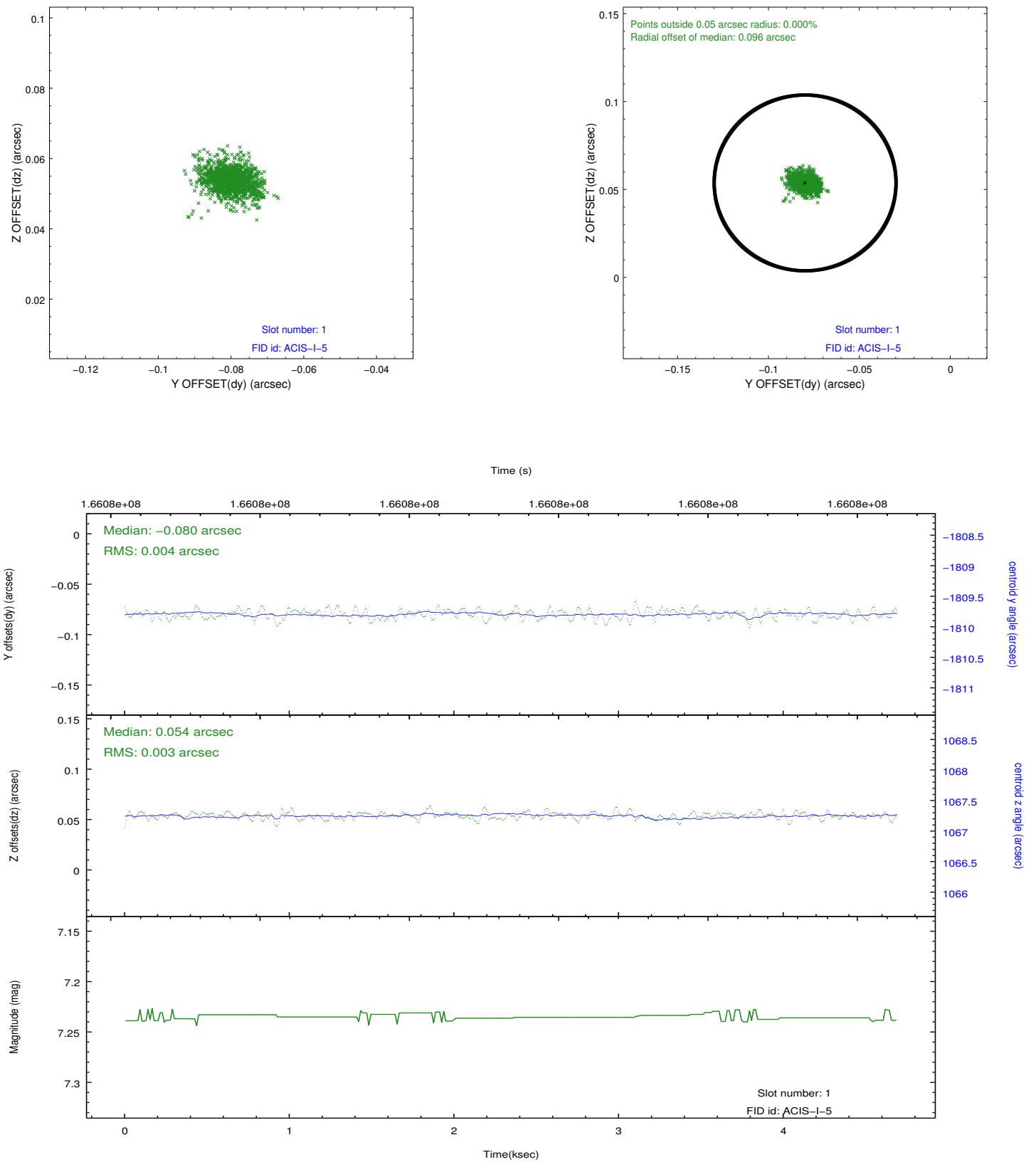


2.5 FID Slots

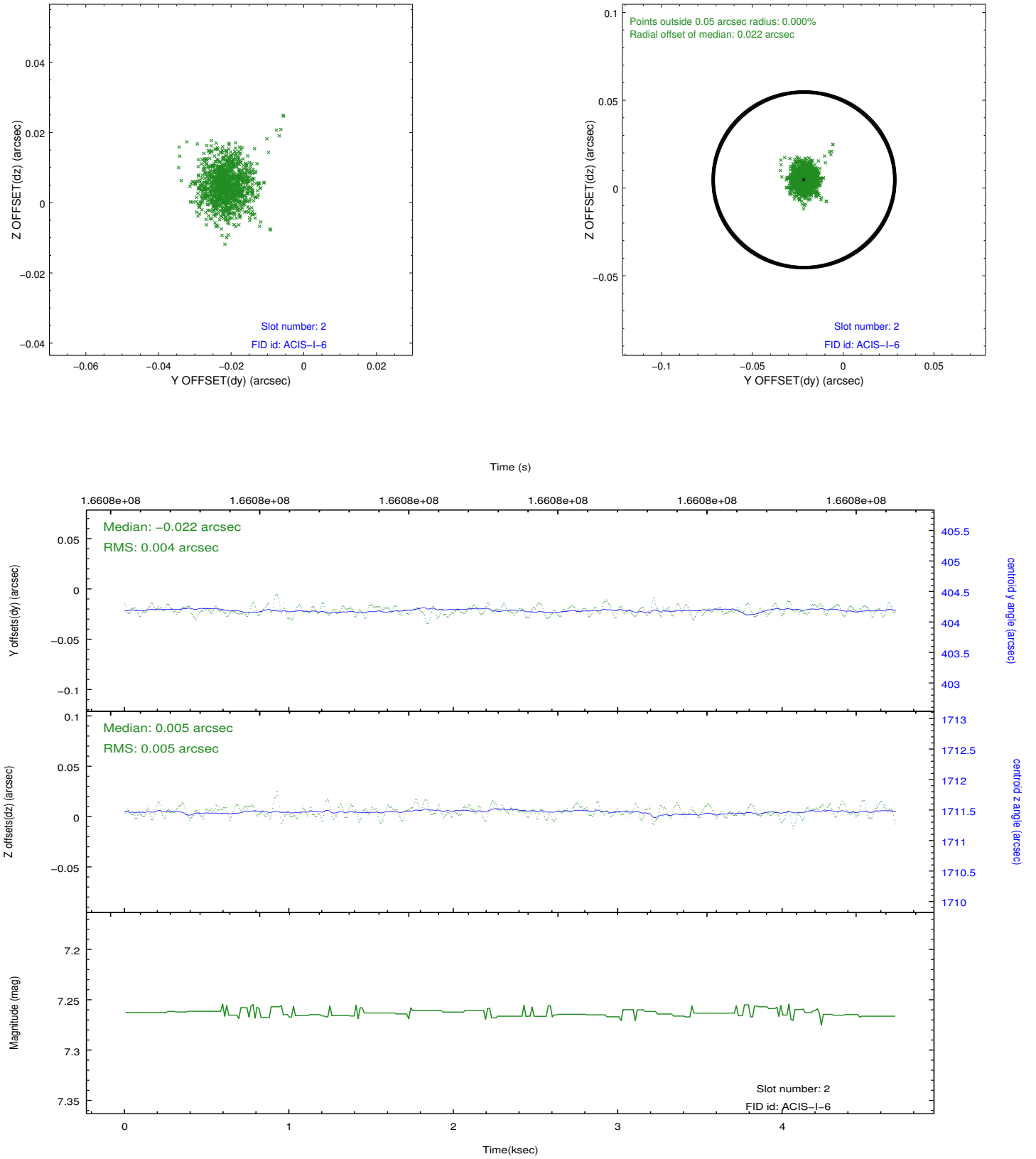
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.29

A.2 Comments