

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7781 - L2 Version 2
Chandra X-Ray Center

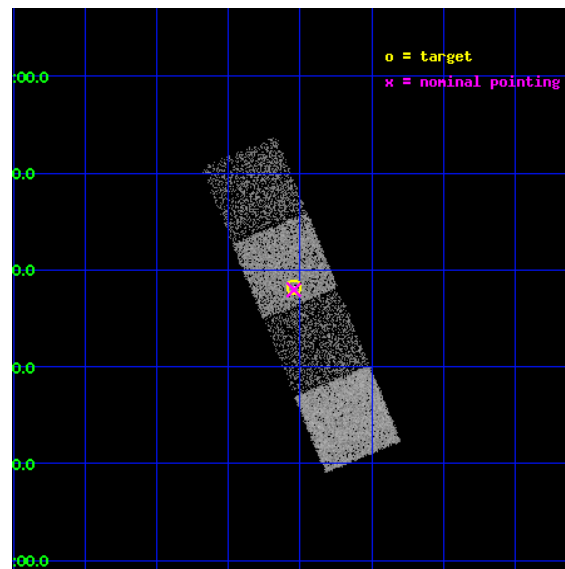
L2 Processing Date : Apr 27 2012

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1 Front

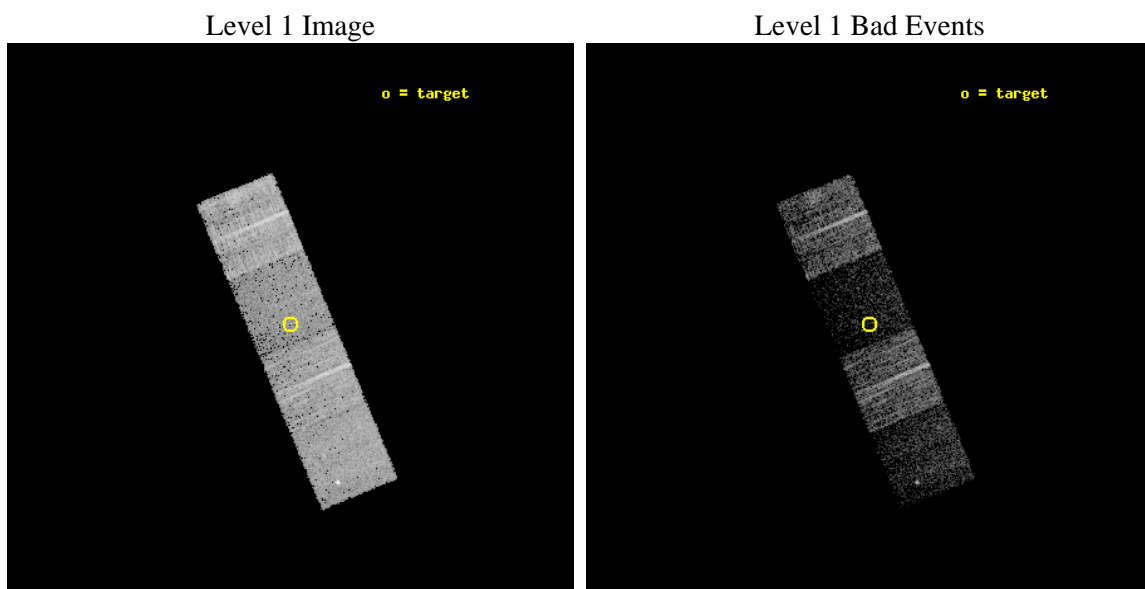
seq_num	701449	Sequence number
obs_id	7781	Observation id
title	An Exploratory Chandra Survey of Weak-Line Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J1231+0138	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.885	Observer's specified target RA [deg]
dec_targ	1.637222	Observer's specified target Dec [deg]
ra_nom	187.88578911337	Nominal RA [deg]
dec_nom	1.6324896518182	Nominal Dec [deg]
roll_nom	247.46295469553	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4144.7000318766	Sum of GTIs [s]
livetime	4090.5464746763	Livetime [s]
ontime5	4144.7000318766	Sum of GTIs [s]
ontime6	4144.7000318766	Sum of GTIs [s]
ontime7	4144.7000318766	Sum of GTIs [s]
ontime8	4144.7000318766	Sum of GTIs [s]
l2events	27071	Number of level 2 events



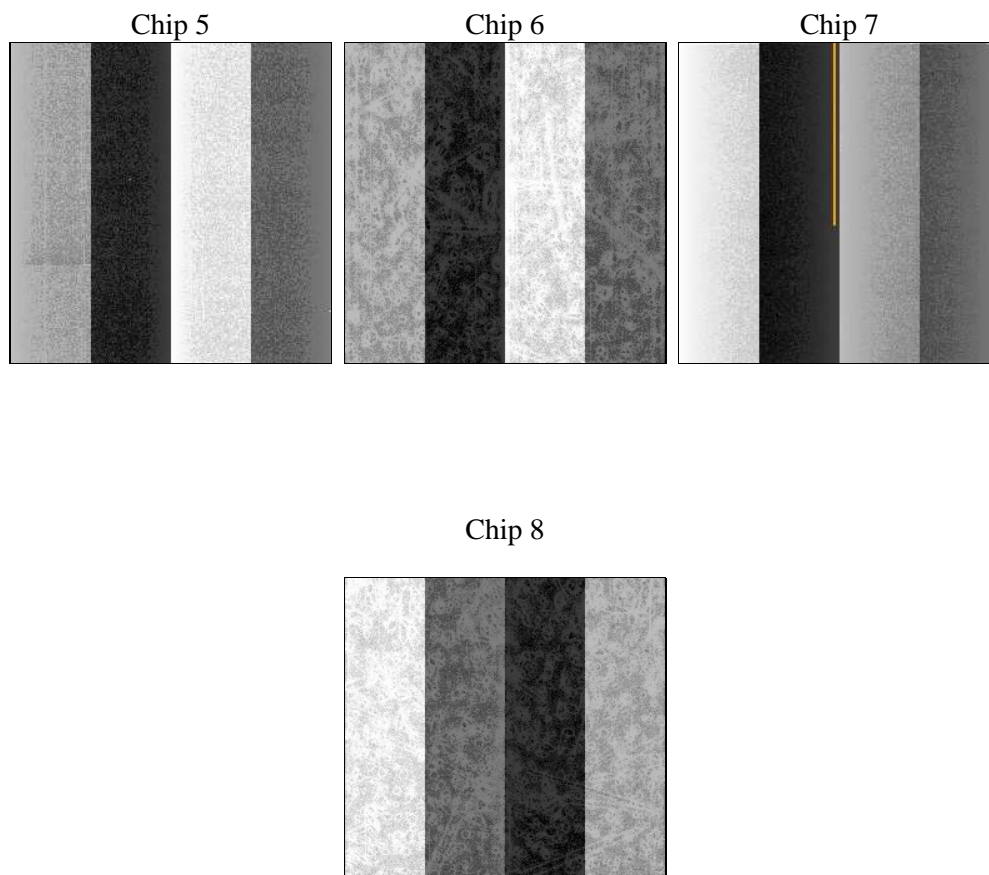
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4144.7000318766	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	4144.7000318766	Sum of GTIs [s]
date	2012-04-27T13:26:40	Date and time of file creation	ontime6	4144.7000318766	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	4144.7000318766	Sum of GTIs [s]
			ontime8	4144.7000318766	Sum of GTIs [s]
			l1events	112815	Number of level 1 events

2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26697	30627	17441	38050
rejected events	12026	28154	7977	29007
rejected %	45%	91%	45%	76%

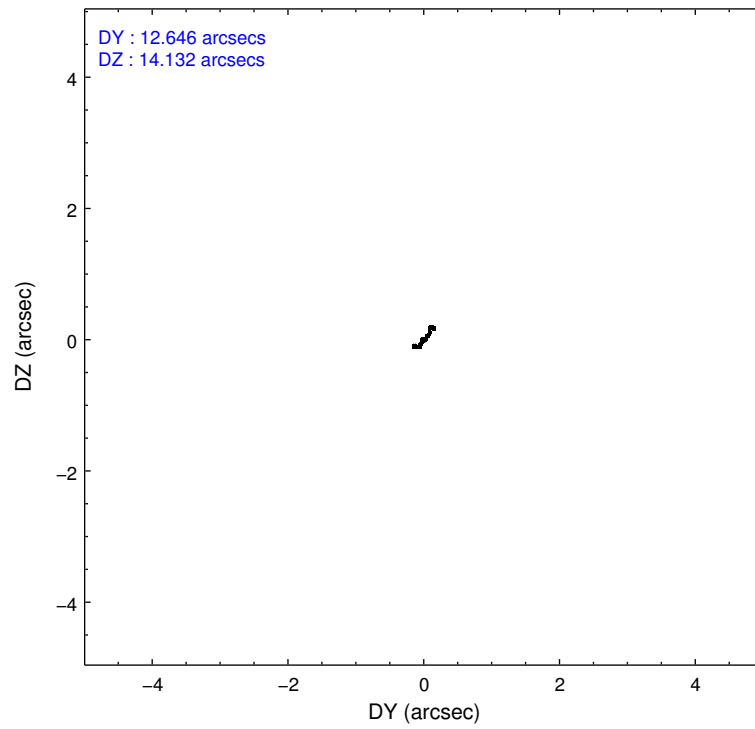
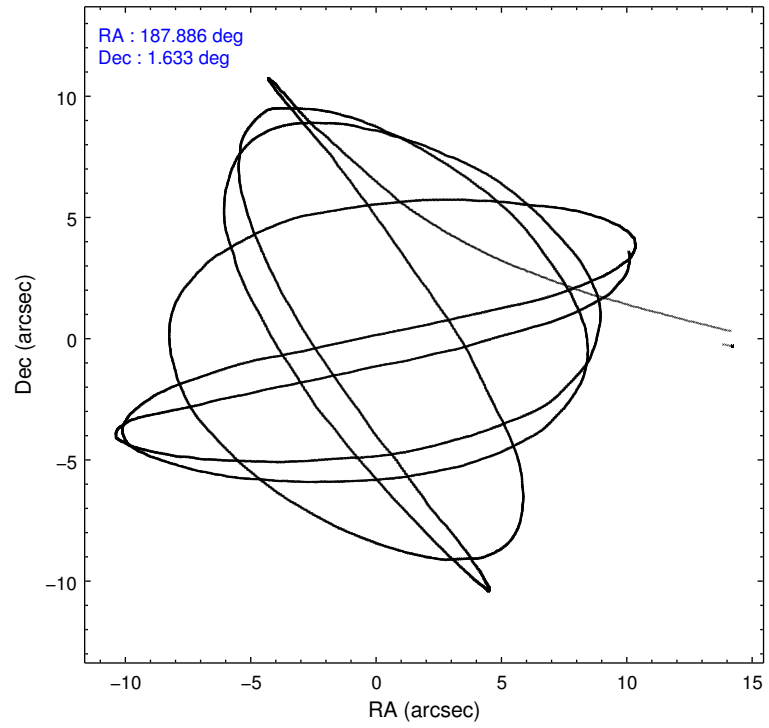
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2148	1094	1480	2744
	8%	3%	8%	7%
grade 1 events	304	21	41	19
	1%	0%	0%	0%
grade 2 events	5152	567	2434	2439
	19%	1%	13%	6%
grade 3 events	836	305	1057	1051
	3%	0%	6%	2%
grade 4 events	868	304	1068	1003
	3%	0%	6%	2%
grade 5 events	2157	608	1815	1012
	8%	1%	10%	2%
grade 6 events	7105	439	4303	2793
	26%	1%	24%	7%
grade 7 events	8127	27289	5243	26989
	30%	89%	30%	70%

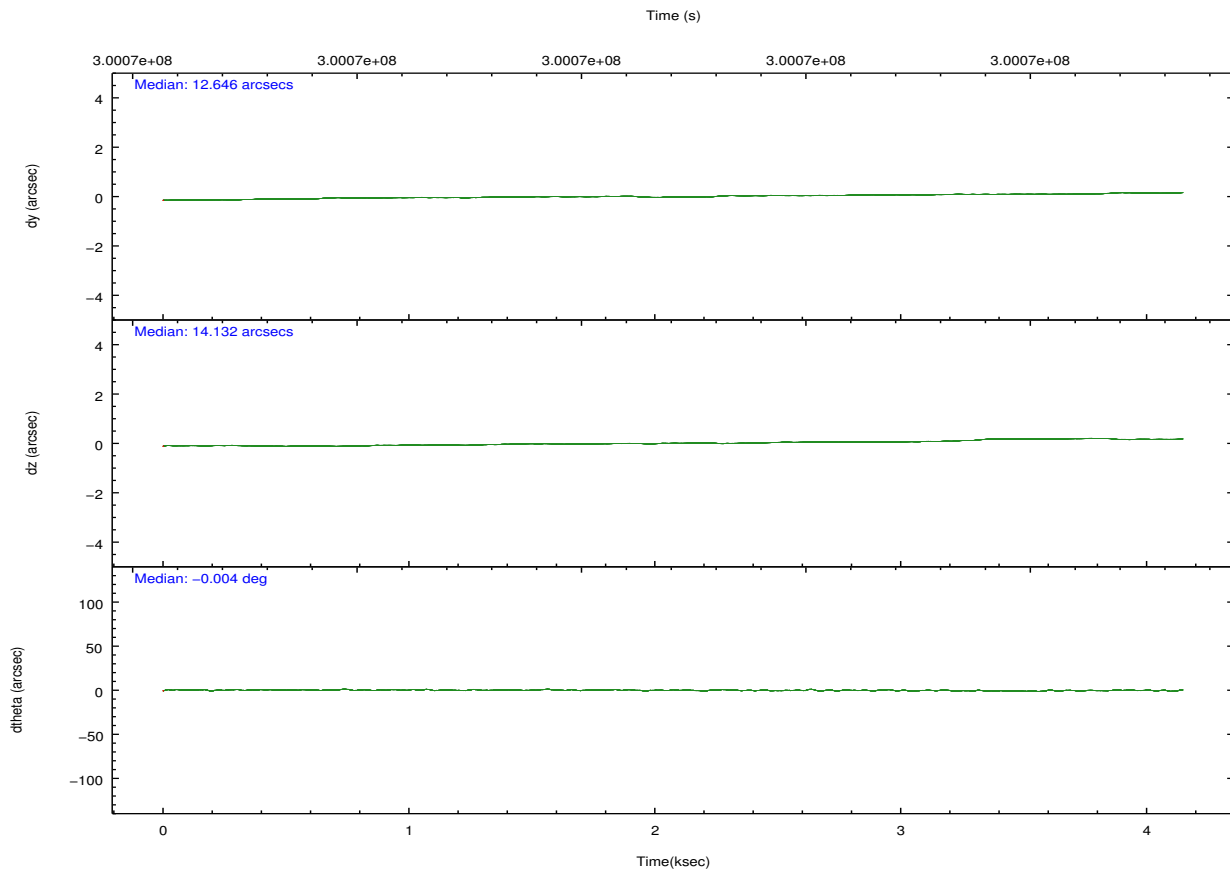
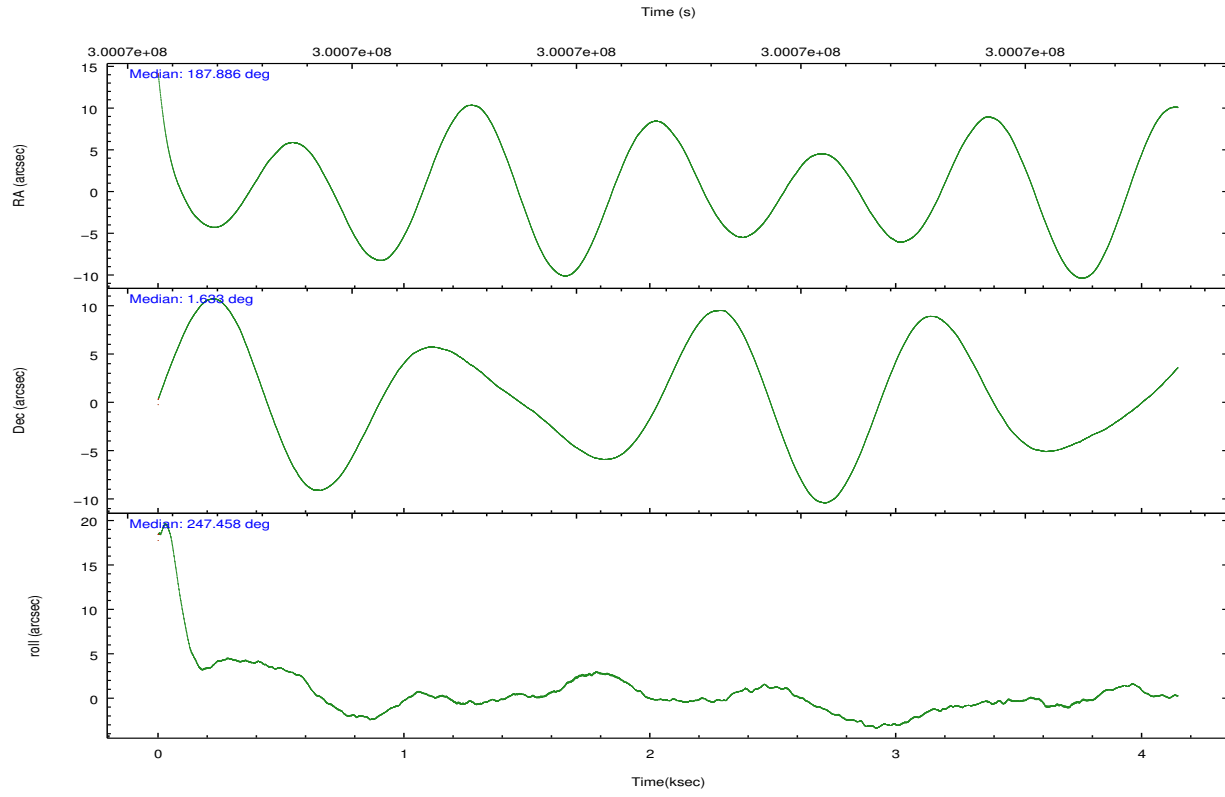
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-5678	ACIS-5678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	187.881844	187.8857891133713
[deg] Pointing Dec	1.659497	1.632489651818187
[deg] Pointing Roll	247.306425	247.4629546955321
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	300067476.184000	300066362.70796
Observation start date	2007-07-06T00:03:31	2007-07-05T23:46:02
[s] Observation end time (MET)	300071476.184000	300072375.87074
Observation end date	2007-07-06T01:10:11	2007-07-06T01:26:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



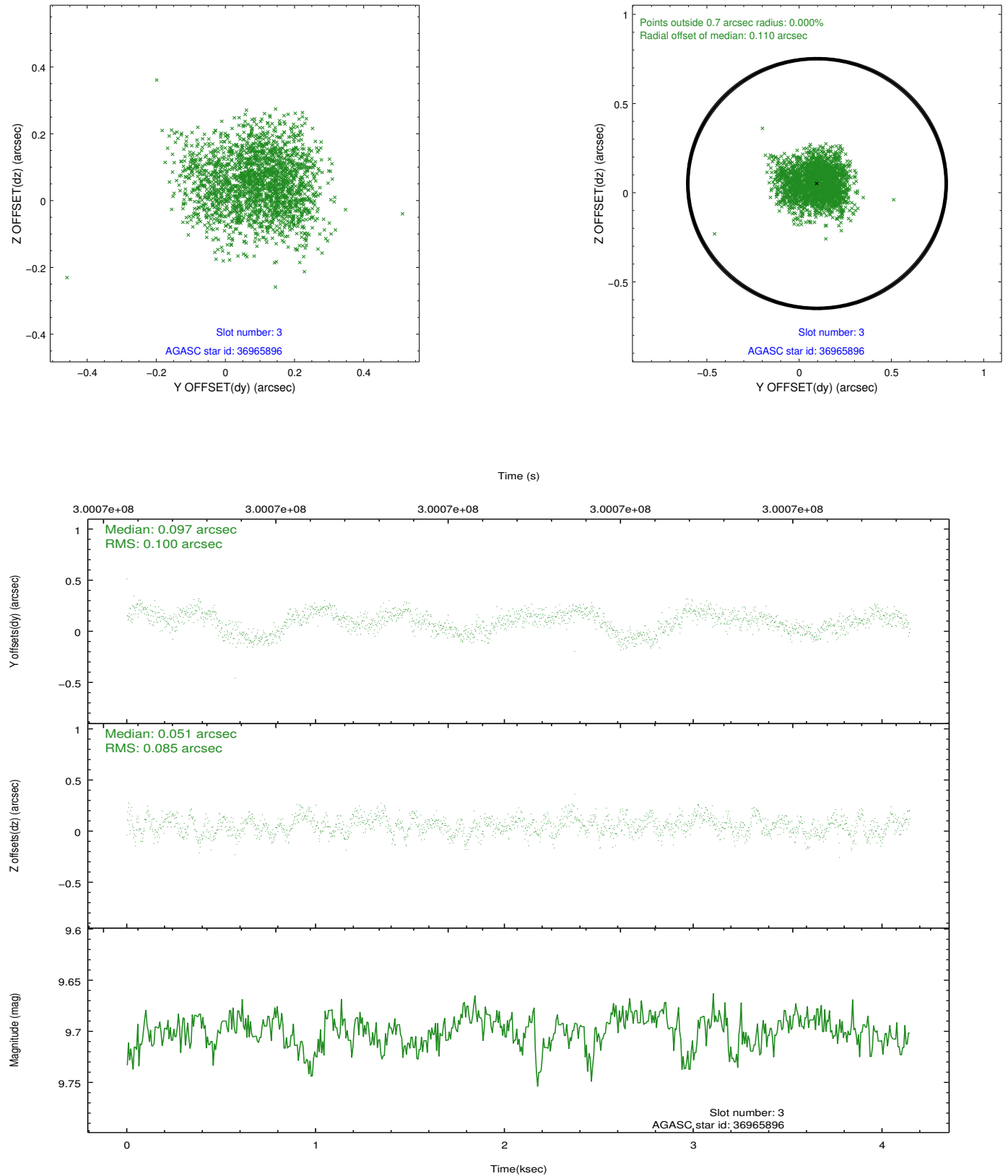


Slot Statistics

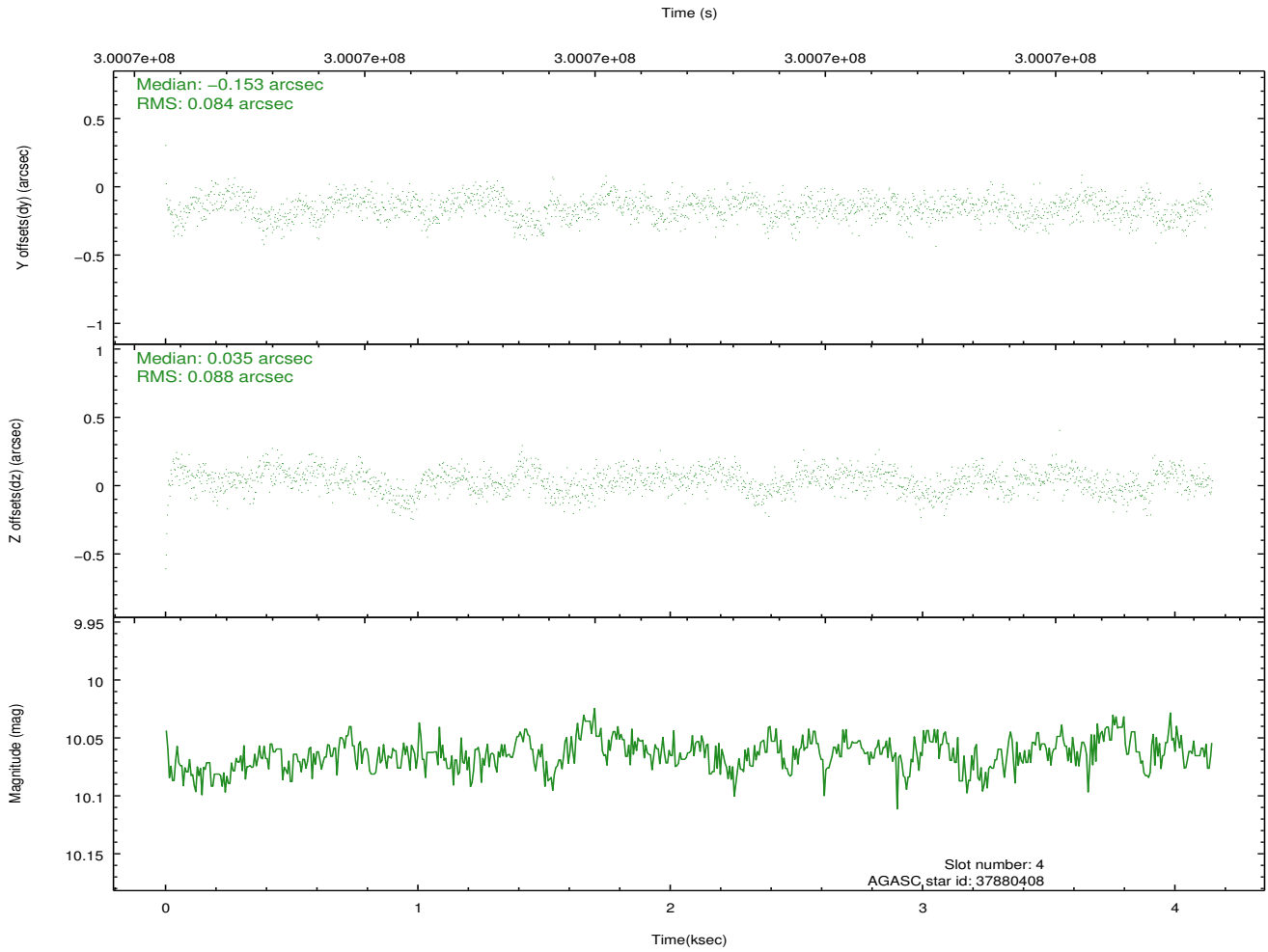
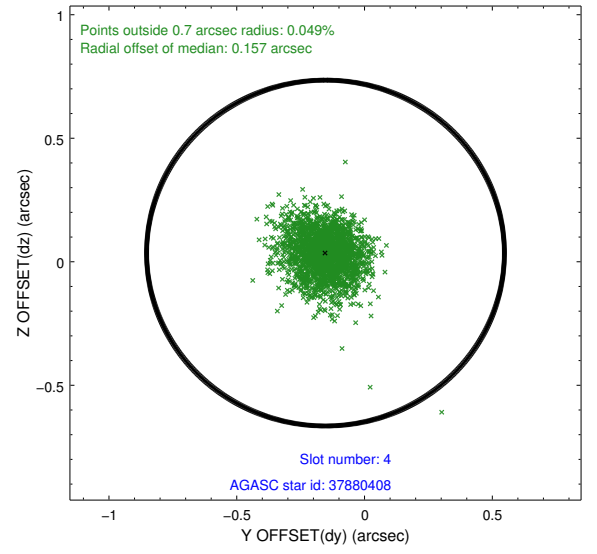
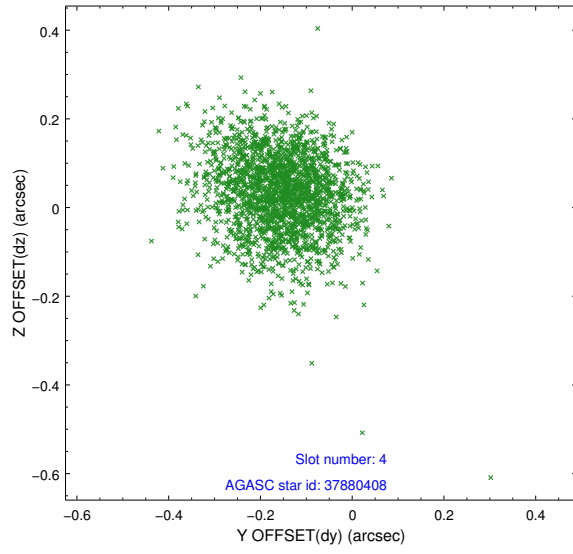
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1012	-0.036	-0.045	0.007	0.013	0.000000	0.000000	-765.59	-1735.50
1	FID	ACIS-S-4	7.19	1012	0.145	0.030	0.009	0.014	0.000000	0.000000	2147.18	171.51
2	FID	ACIS-S-5	7.23	1012	-0.141	0.024	0.008	0.013	0.000000	0.000000	-1816.62	166.87
3	GUIDE	36965896	9.70	2022	0.097	0.051	0.143	0.219	187.153754	1.617178	1151.89	-2358.53
4	GUIDE	37880408	10.06	2024	-0.153	0.035	0.128	0.206	187.758191	2.290324	-1922.39	-1288.20
5	GUIDE	37884544	9.31	2011	0.313	-0.315	0.099	0.167	187.813486	1.124827	1870.61	514.82
6	GUIDE	37888128	8.07	2024	-0.183	0.274	0.068	0.120	188.285024	1.043998	1486.10	2193.84
7	GUIDE	37880528	10.03	2017	-0.074	-0.046	0.146	0.247	187.543867	2.231630	-1429.91	-1915.68

2.4 Star Slots

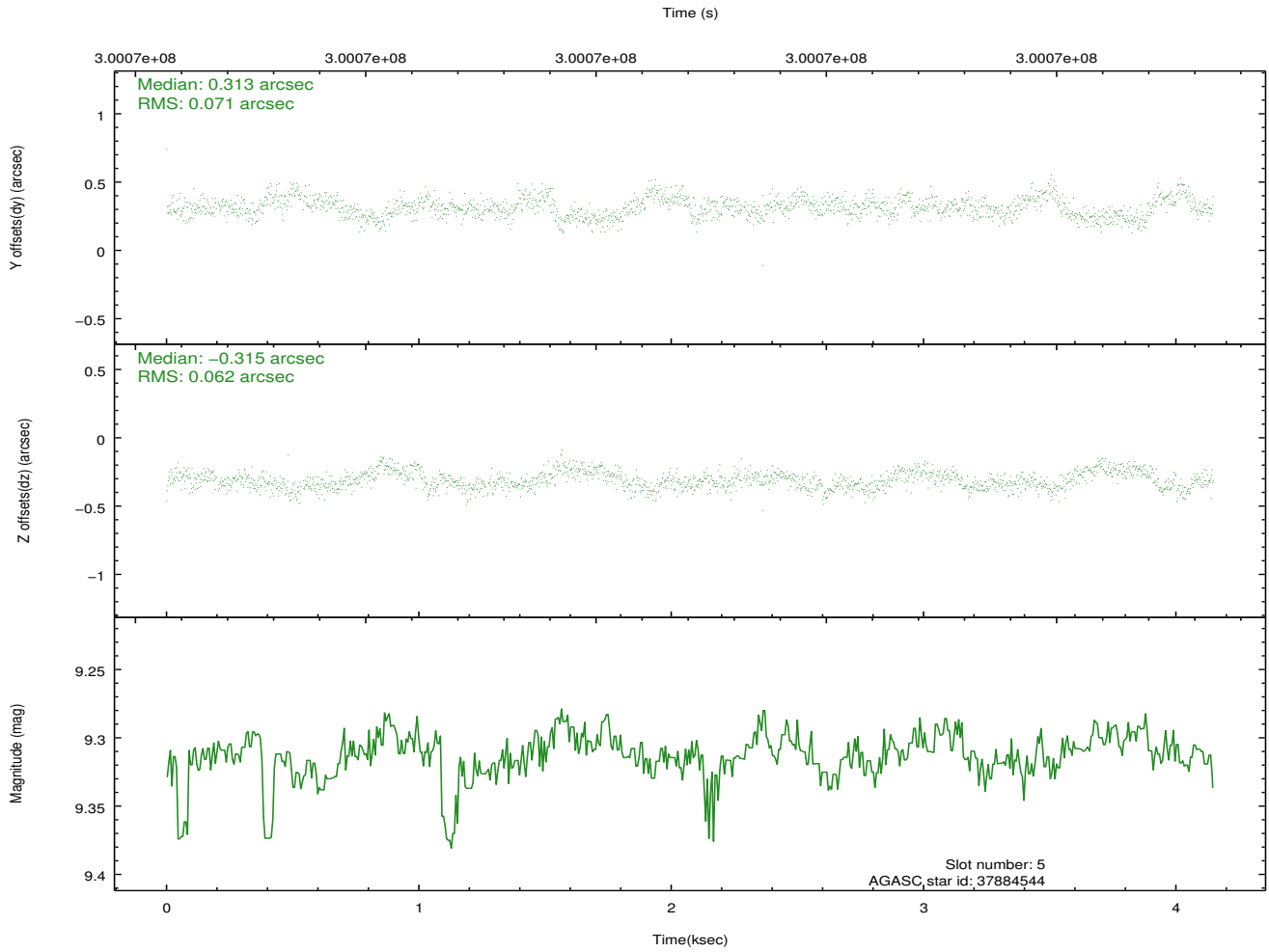
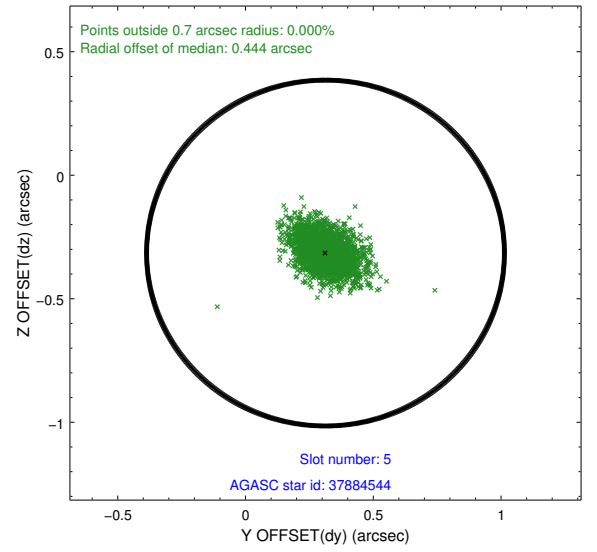
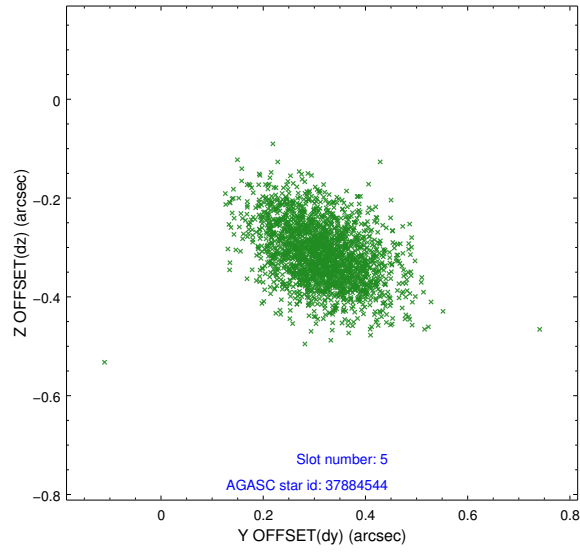
2.4.1 Slot 3



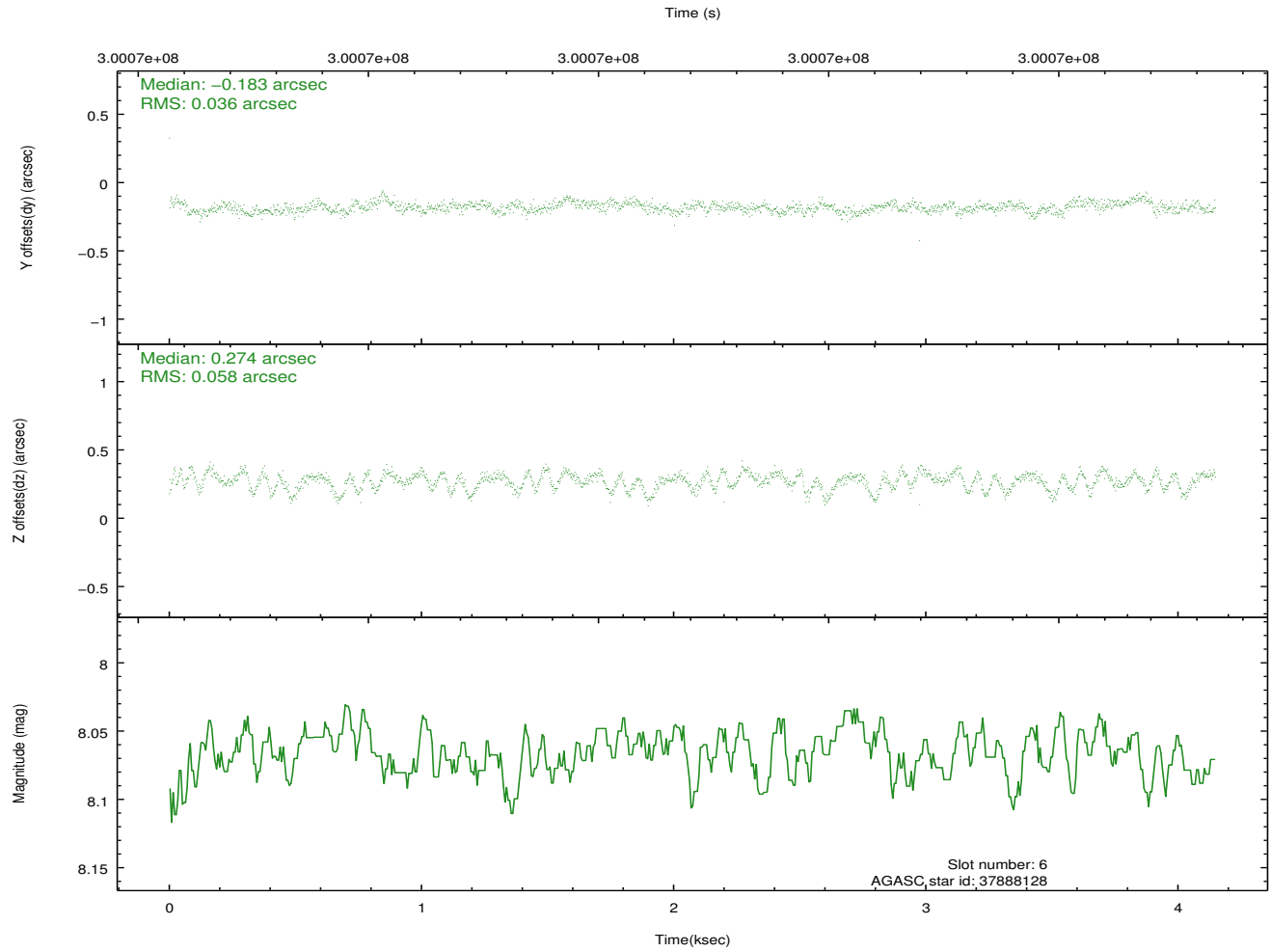
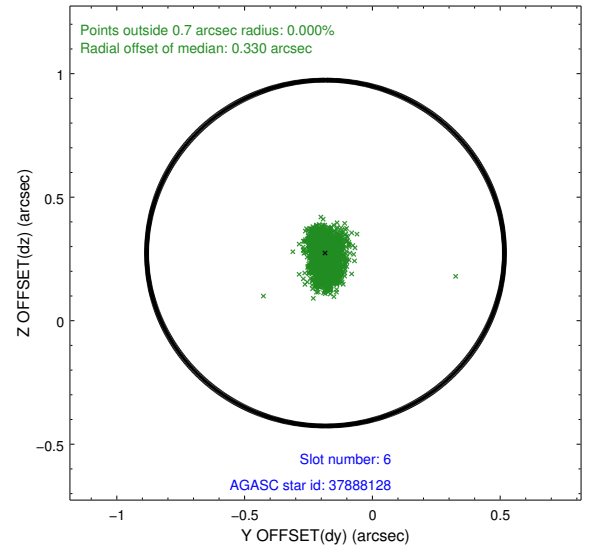
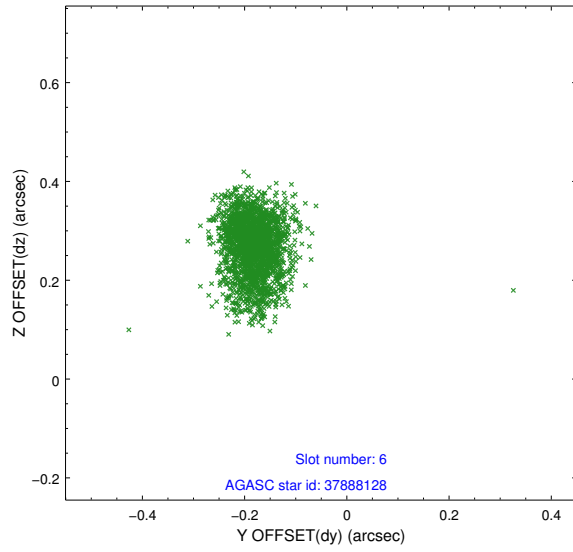
2.4.2 Slot 4



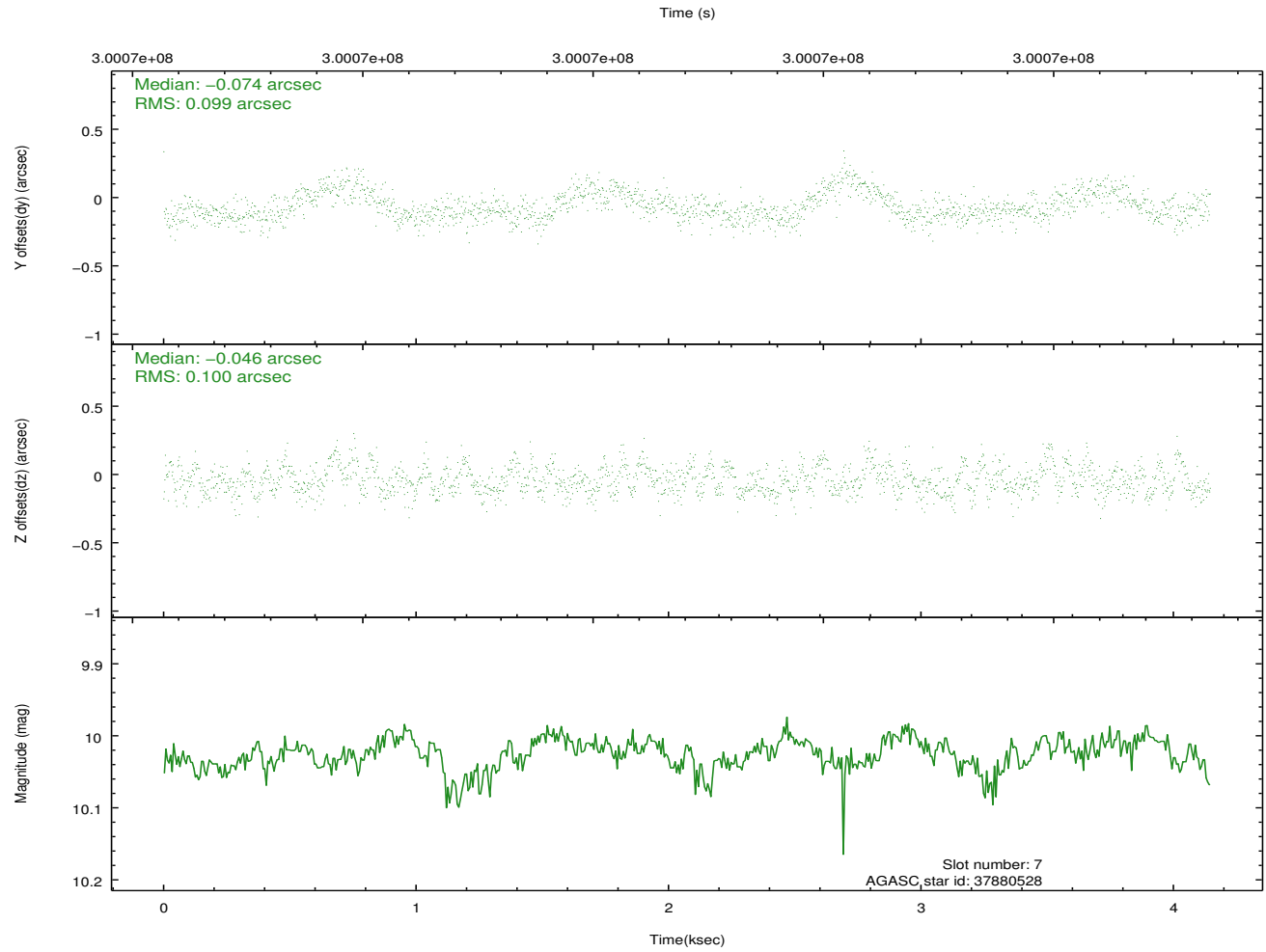
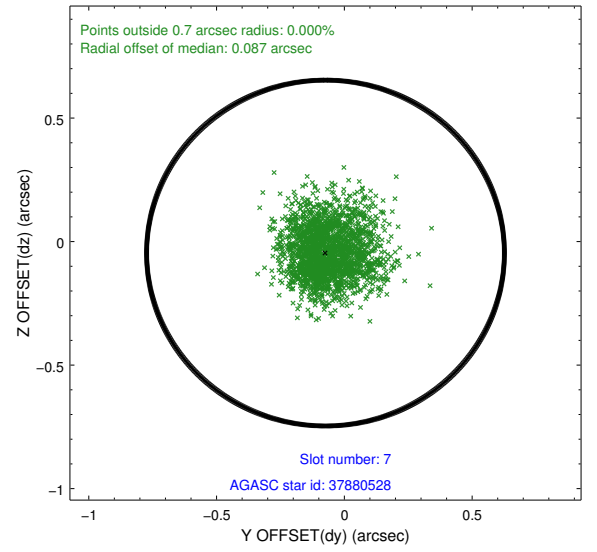
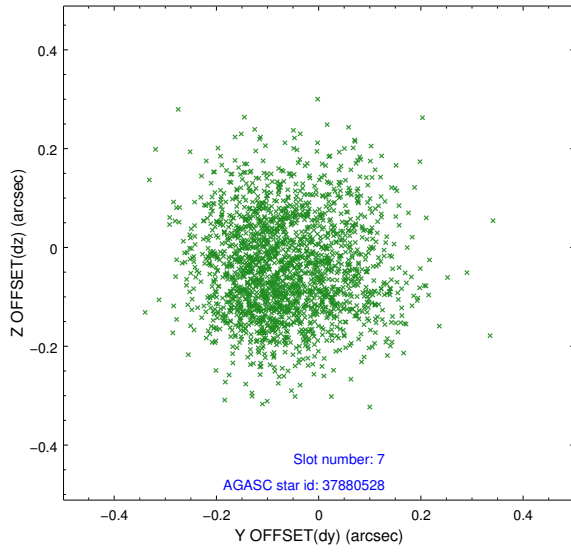
2.4.3 Slot 5



2.4.4 Slot 6

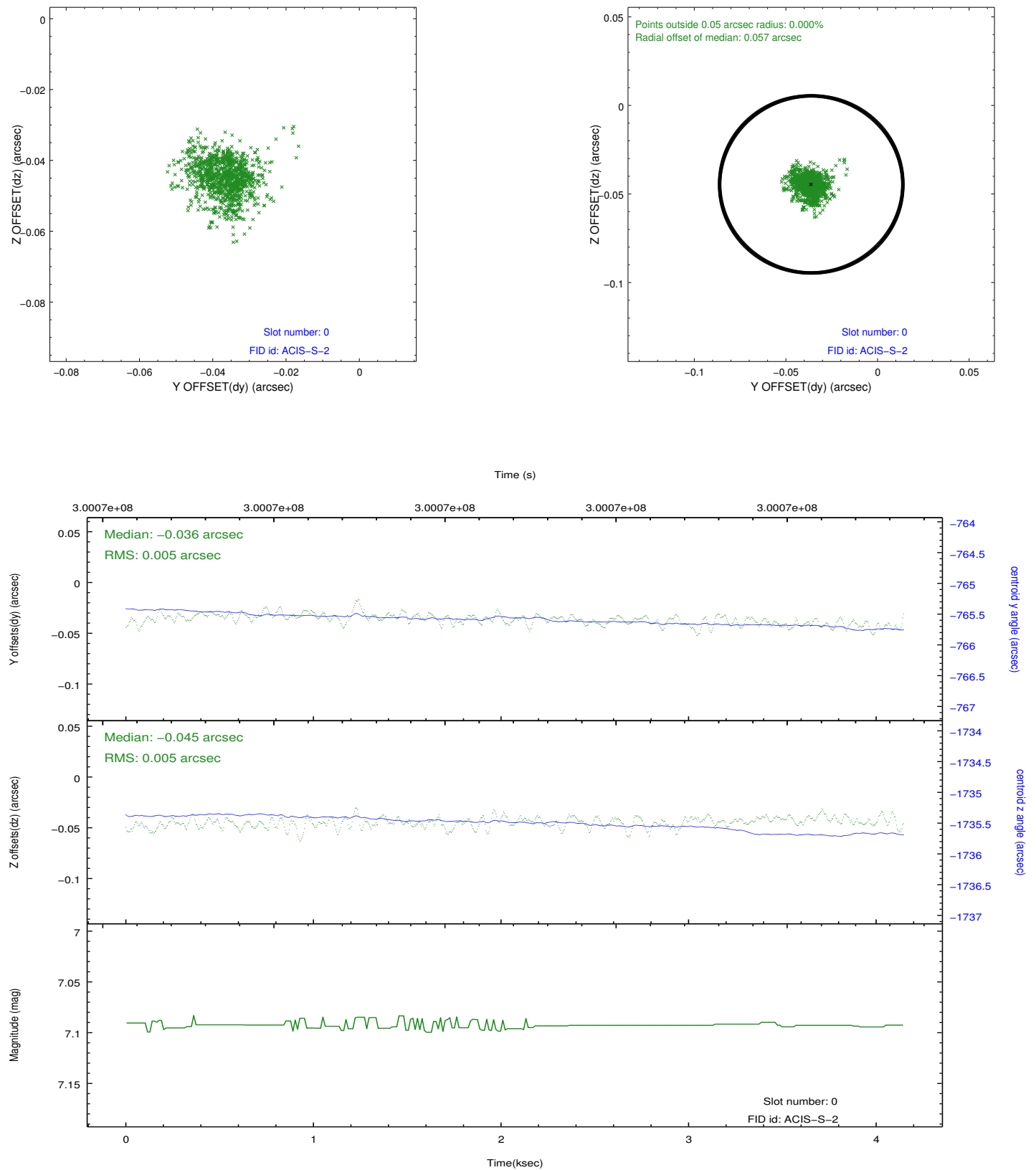


2.4.5 Slot 7

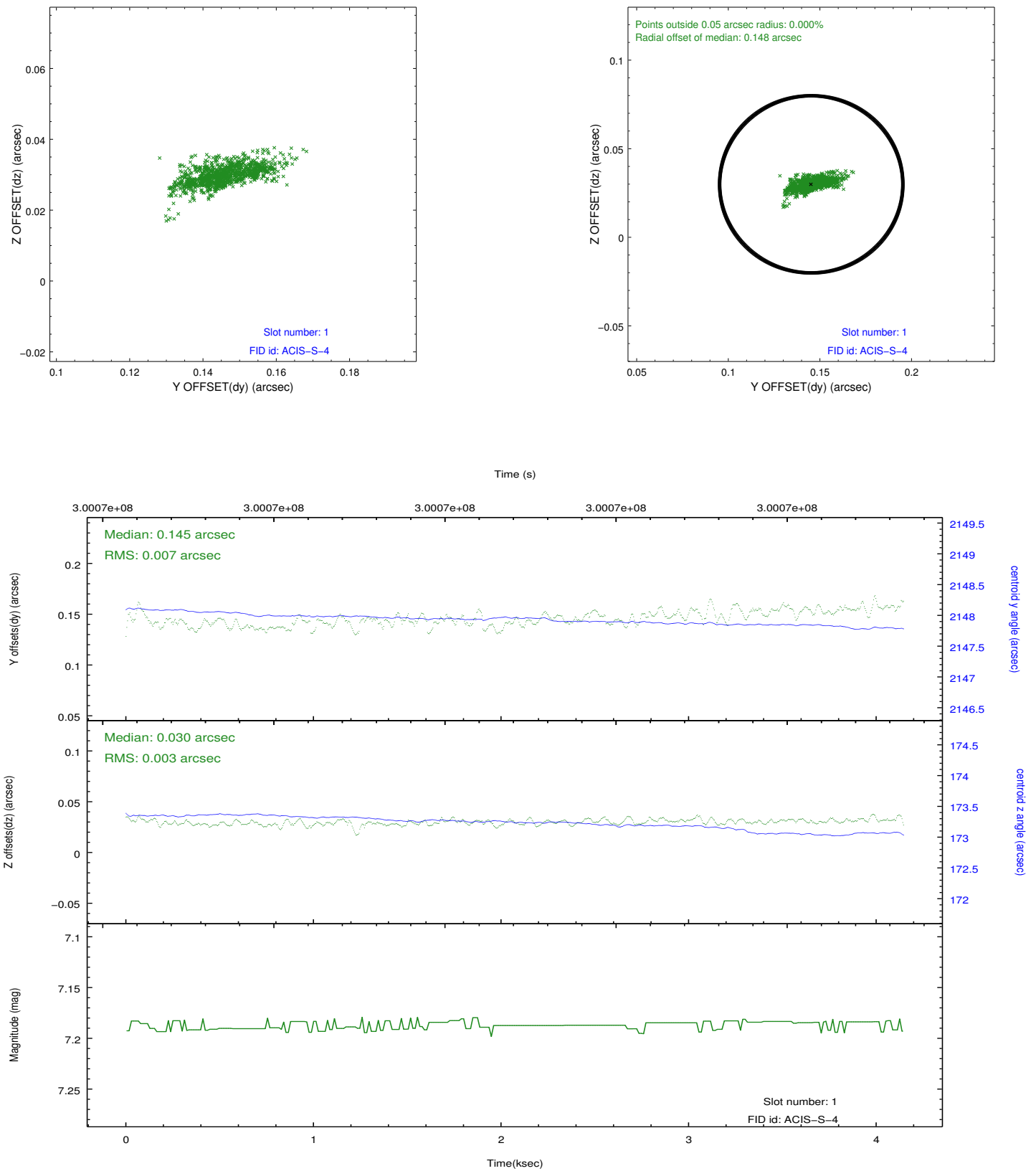


2.5 FID Slots

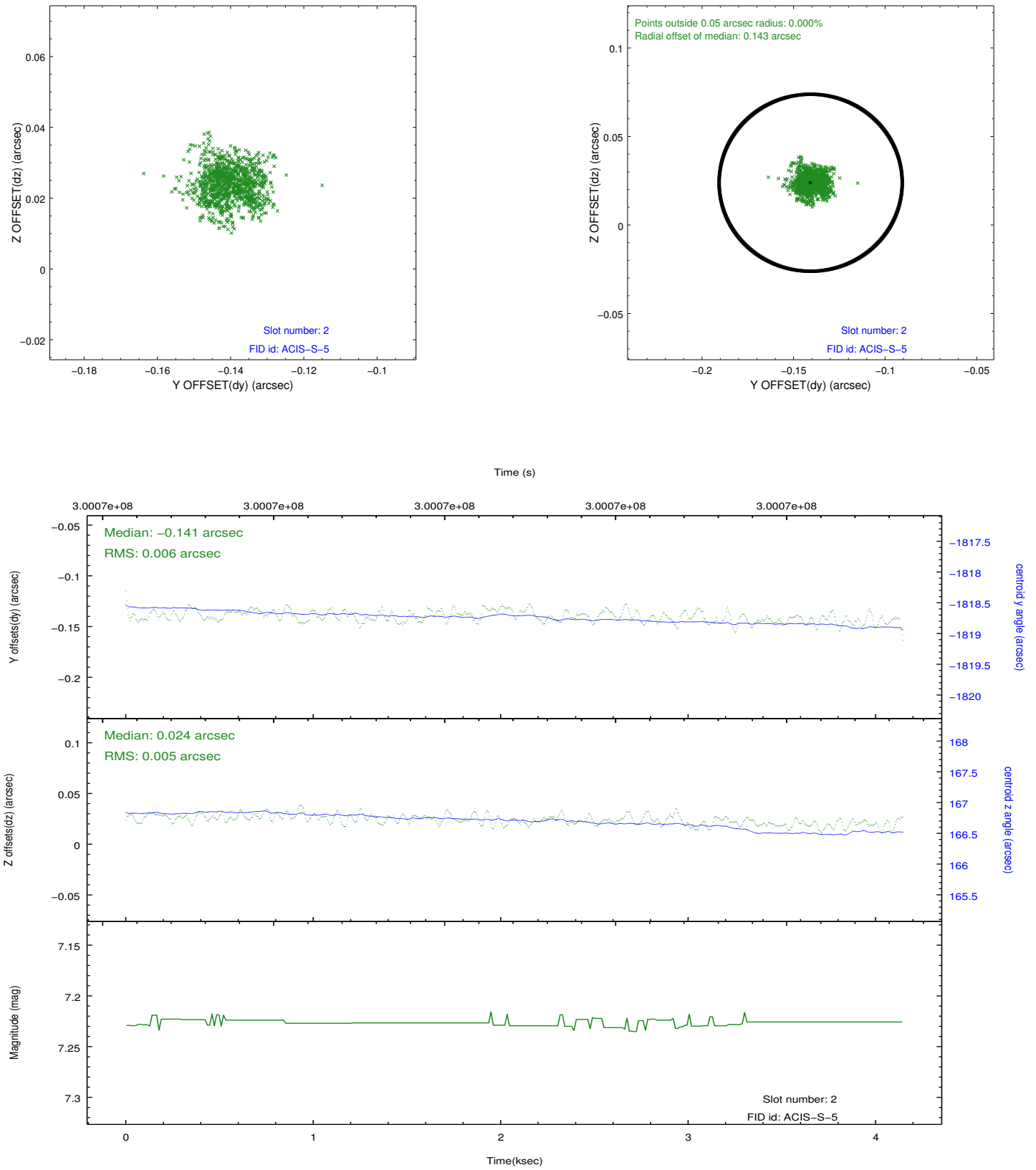
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.14470003

A.2 Comments