

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4037 - L2 Version 3
Chandra X-Ray Center

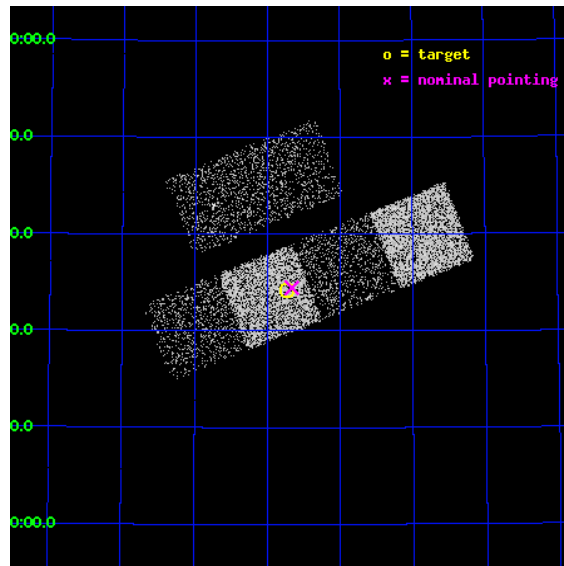
L2 Processing Date : Oct 22 2012

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1 Front

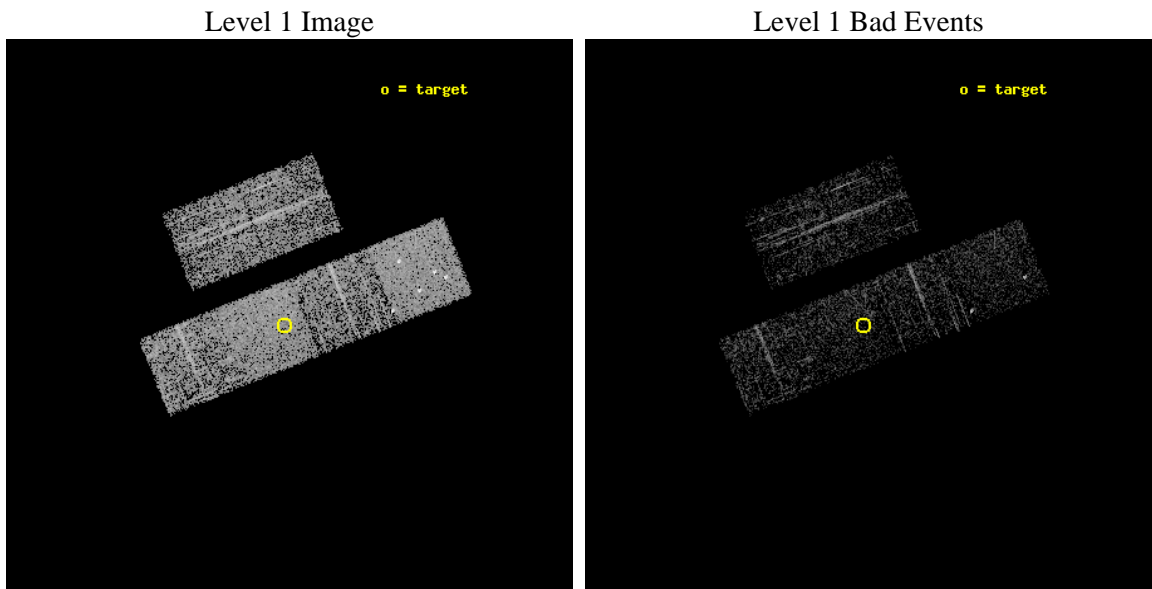
seq_num	700716	Sequence number
obs_id	4037	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS104044+593409	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	160.182083	Observer's specified target RA [deg]
dec_targ	59.569222	Observer's specified target Dec [deg]
ra_nom	160.16604419764	Nominal RA [deg]
dec_nom	59.574234491428	Nominal Dec [deg]
roll_nom	158.23397453651	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1388.7999948263	Sum of GTIs [s]
livetime	1371.2141730569	Livetime [s]
ontime2	1388.7999948263	Sum of GTIs [s]
ontime3	1388.7999948263	Sum of GTIs [s]
ontime5	1388.7999948263	Sum of GTIs [s]
ontime6	1388.7999948263	Sum of GTIs [s]
ontime7	1388.7999948263	Sum of GTIs [s]
ontime8	1388.7999948263	Sum of GTIs [s]
l2events	14125	Number of level 2 events



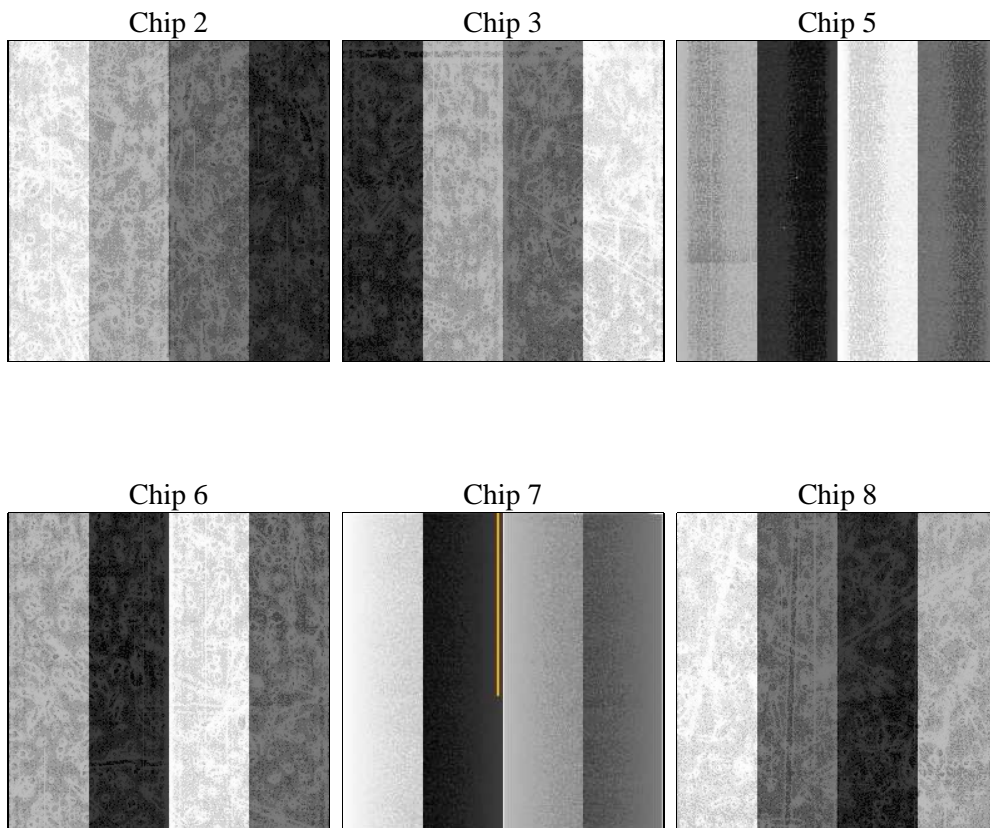
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1432.888000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1388.7999948263	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	1388.7999948263	Sum of GTIs [s]
date	2012-10-22T07:27:20	Date and time of file creation	ontime3	1388.7999948263	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1388.7999948263	Sum of GTIs [s]
			ontime6	1388.7999948263	Sum of GTIs [s]
			ontime7	1388.7999948263	Sum of GTIs [s]
			ontime8	1388.7999948263	Sum of GTIs [s]
			l1events	65305	Number of level 1 events

2.1.4 Events

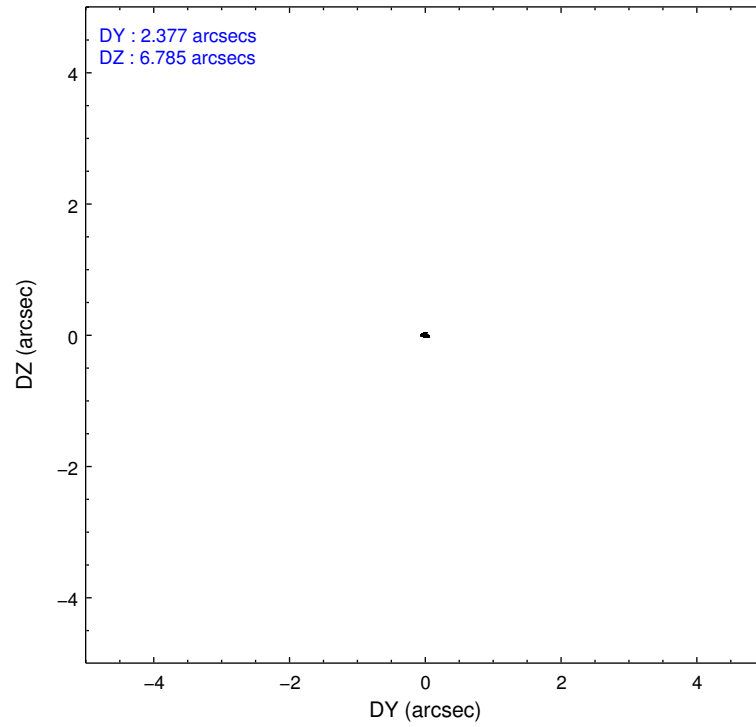
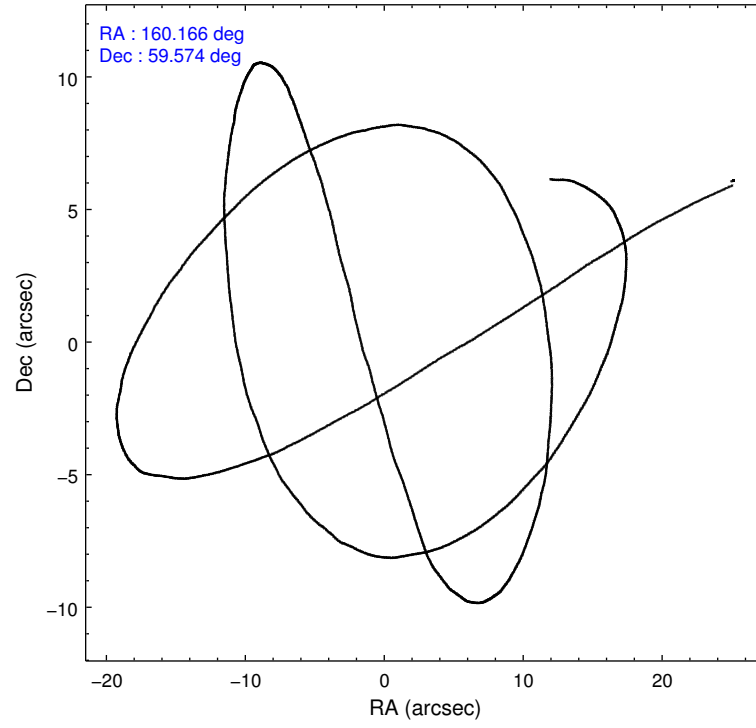
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	9037	9154	14989	9255	12043	10827
rejected events	8020	8103	7620	8182	7144	8677
rejected %	88%	88%	50%	88%	59%	80%

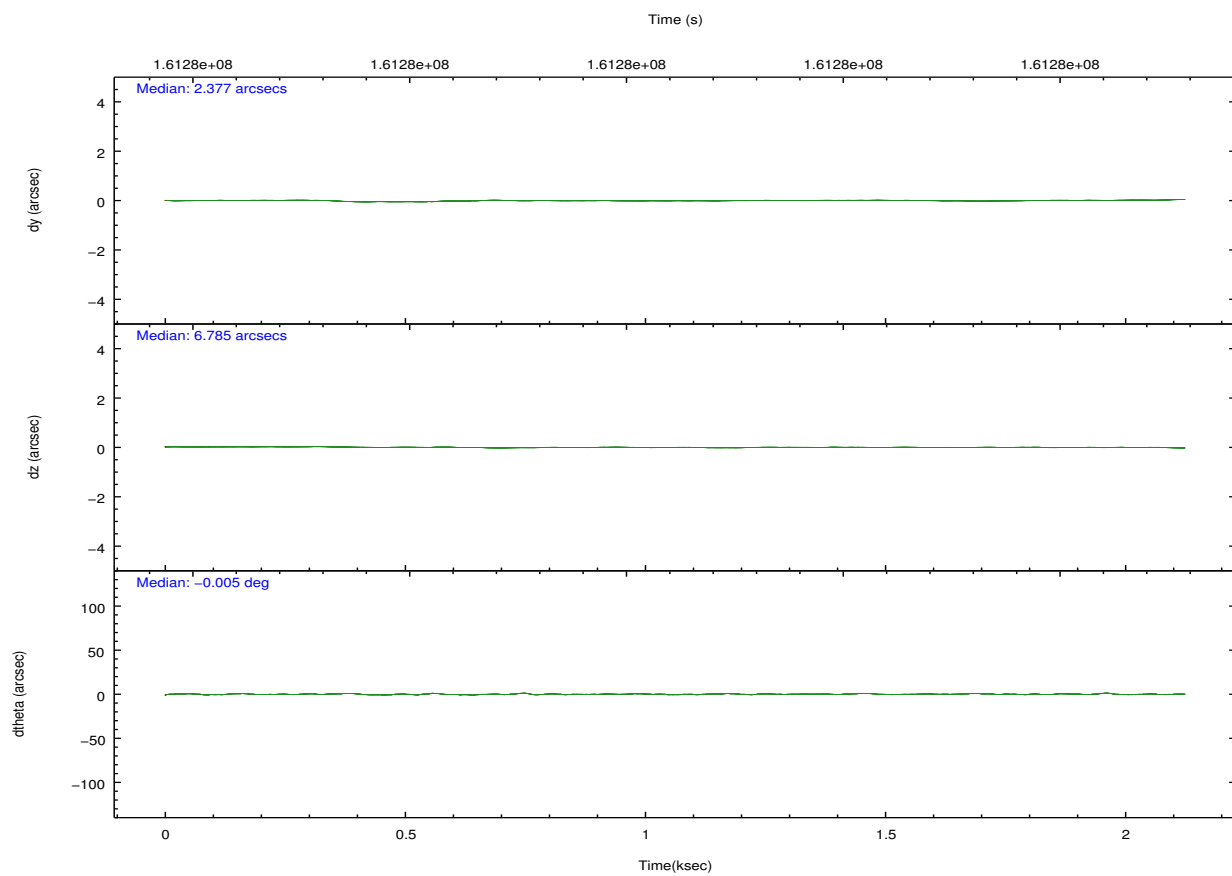
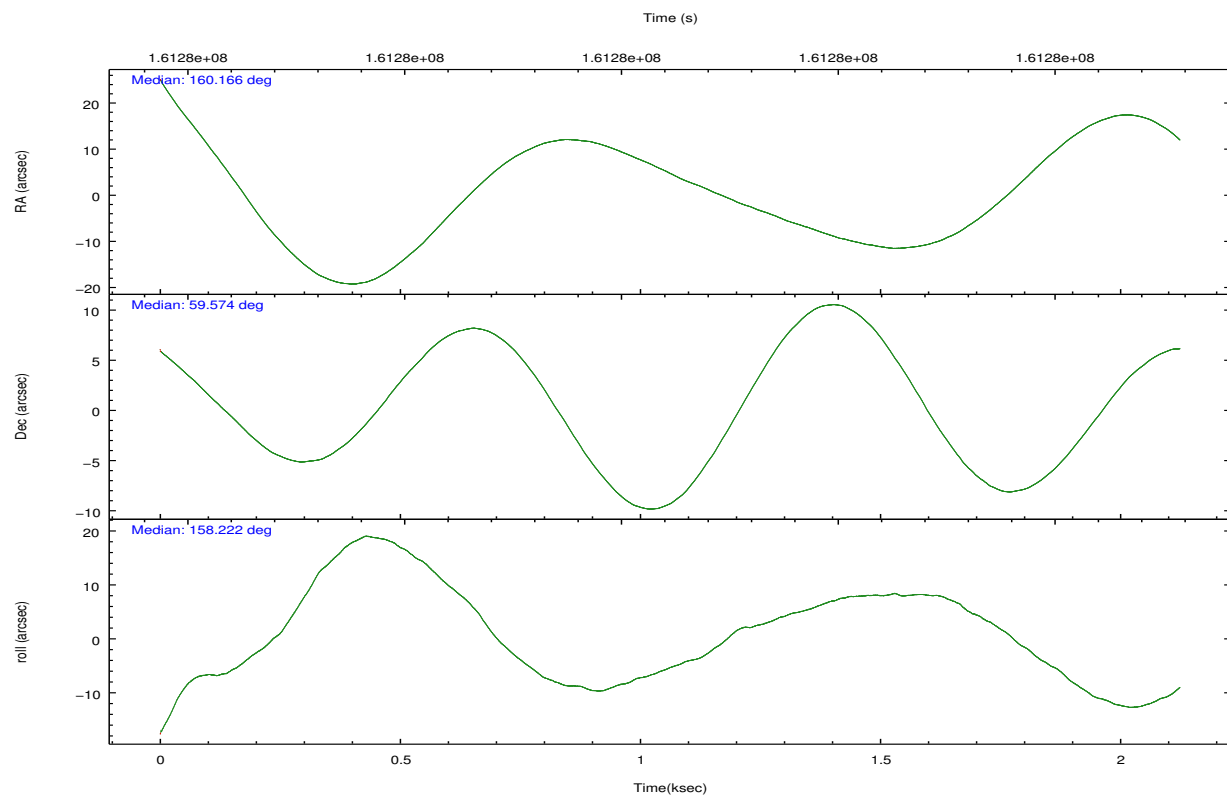
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	453	487	1593	433	464	717
	5%	5%	10%	4%	3%	6%
grade 1 events	9	4	128	7	10	4
	0%	0%	0%	0%	0%	0%
grade 2 events	193	199	1905	216	997	426
	2%	2%	12%	2%	8%	3%
grade 3 events	109	108	244	117	421	286
	1%	1%	1%	1%	3%	2%
grade 4 events	82	98	222	95	427	240
	0%	1%	1%	1%	3%	2%
grade 5 events	321	405	1007	368	1114	490
	3%	4%	6%	3%	9%	4%
grade 6 events	182	162	3425	213	2600	490
	2%	1%	22%	2%	21%	4%
grade 7 events	7688	7691	6465	7806	6010	8174
	85%	84%	43%	84%	49%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	160.218984	160.1660441976368	Subarray requested	NONE	NONE
[deg] Pointing Dec	59.578569	59.5742344914278	Alternating exposures requested	N	N
[deg] Pointing Roll	158.031693	158.2339745365085	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	161282739.184000	161281527.60203			
Observation start date	2003-02-10T16:44:35	2003-02-10T16:25:27			
[s] Observation end time (MET)	161284171.184000	161284486.26465			
Observation end date	2003-02-10T17:08:27	2003-02-10T17:14:46			
Read mode	TIMED	TIMED			

2.3 Aspect



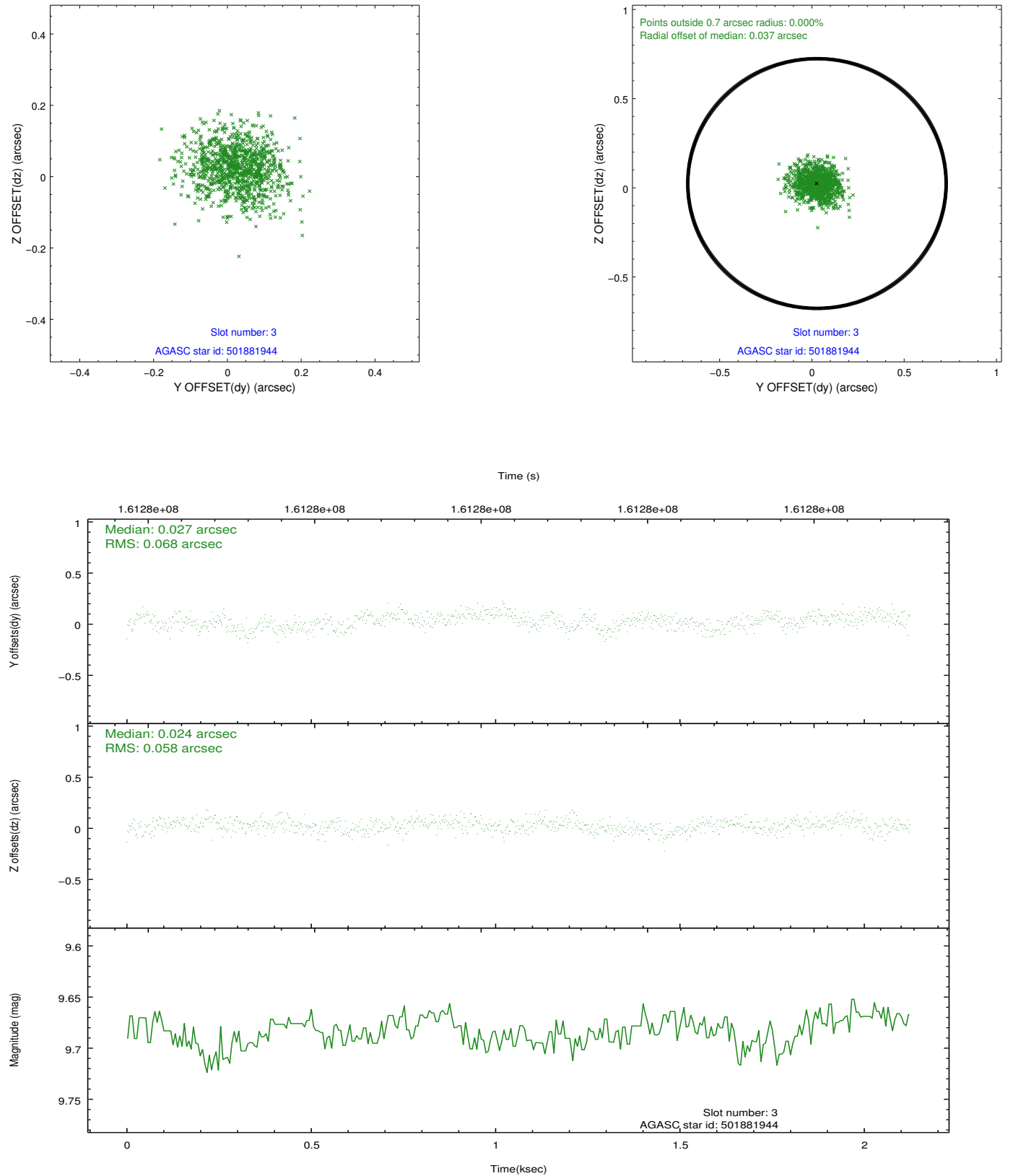


Slot Statistics

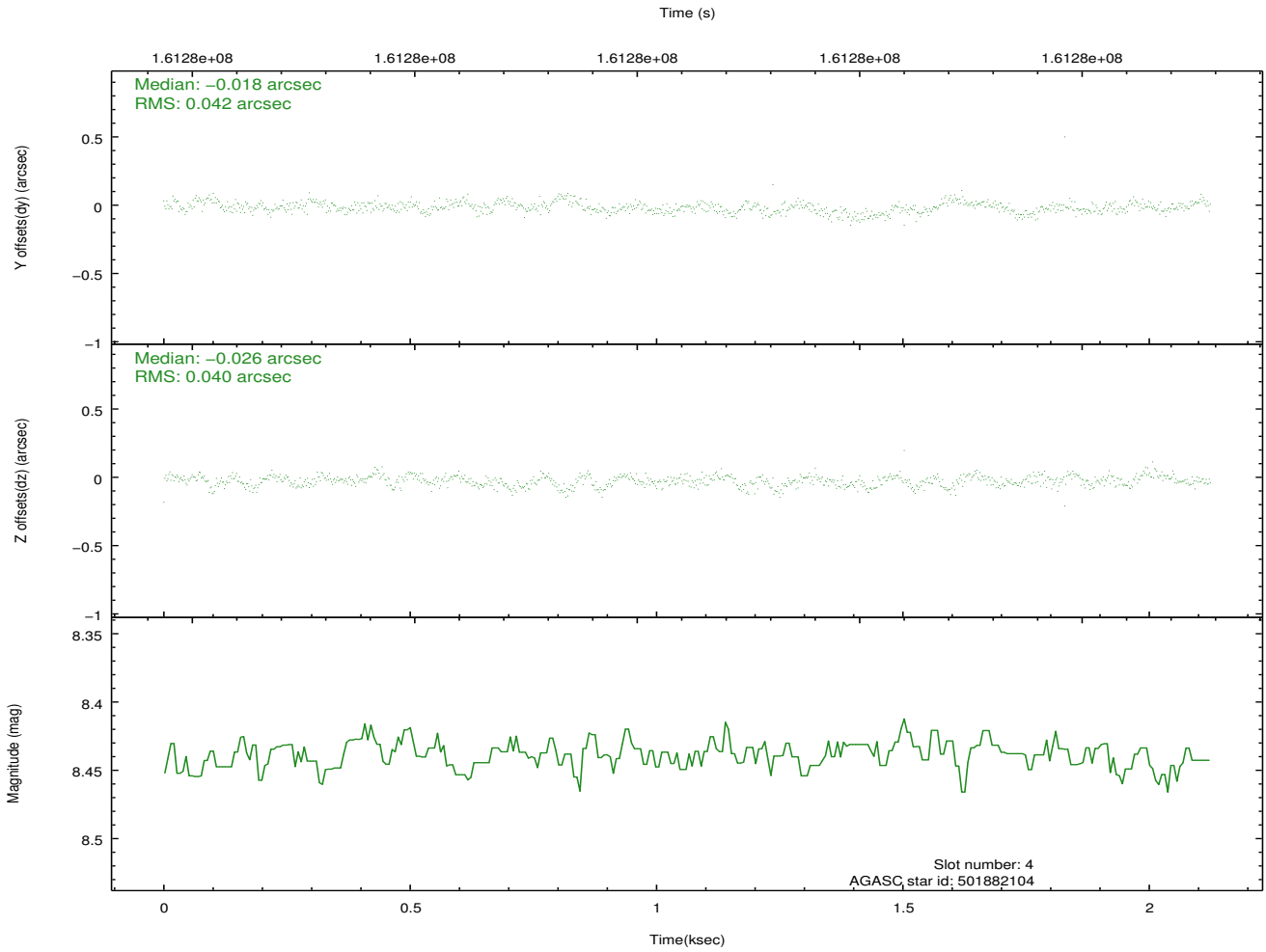
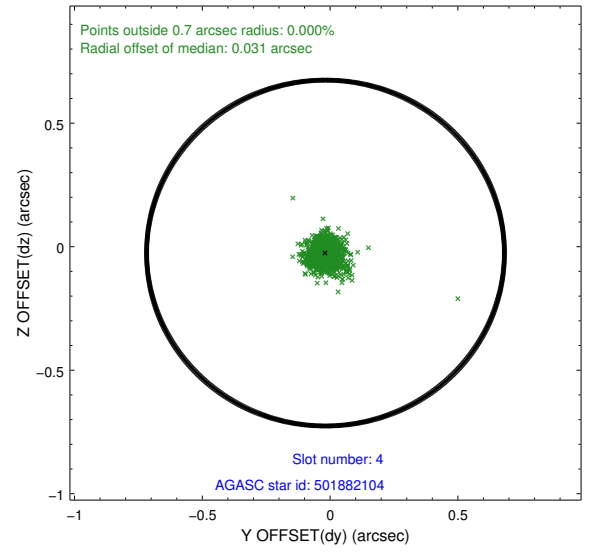
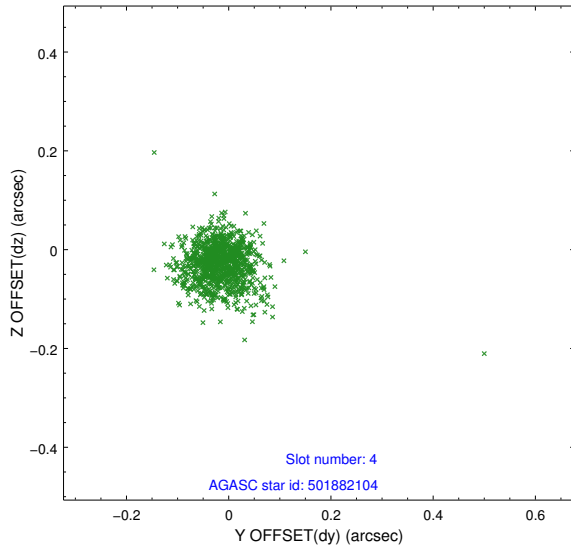
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	519	-0.035	0.003	0.006	0.010	0.000000	0.000000	-755.01	-1727.95
1	FID	ACIS-S-4	7.21	519	-0.004	0.016	0.006	0.011	0.000000	0.000000	2156.89	177.41
2	FID	ACIS-S-5	7.24	519	0.008	-0.011	0.006	0.012	0.000000	0.000000	-1803.88	174.50
3	GUIDE	501881944	9.68	1036	0.027	0.024	0.096	0.156	160.035064	59.170822	-234.10	1487.91
4	GUIDE	501882104	8.44	1037	-0.018	-0.026	0.058	0.097	160.237120	59.342503	-348.72	777.49
5	GUIDE	501882184	9.31	1037	0.010	0.029	0.078	0.134	160.031338	59.950000	814.57	-1112.94
6	GUIDE	543171240	6.95	1037	-0.015	0.013	0.058	0.086	159.582780	60.124537	1796.81	-1401.10
7	GUIDE	543303456	9.19	1035	-0.003	-0.038	0.090	0.143	160.494249	60.031880	154.46	-1700.78

2.4 Star Slots

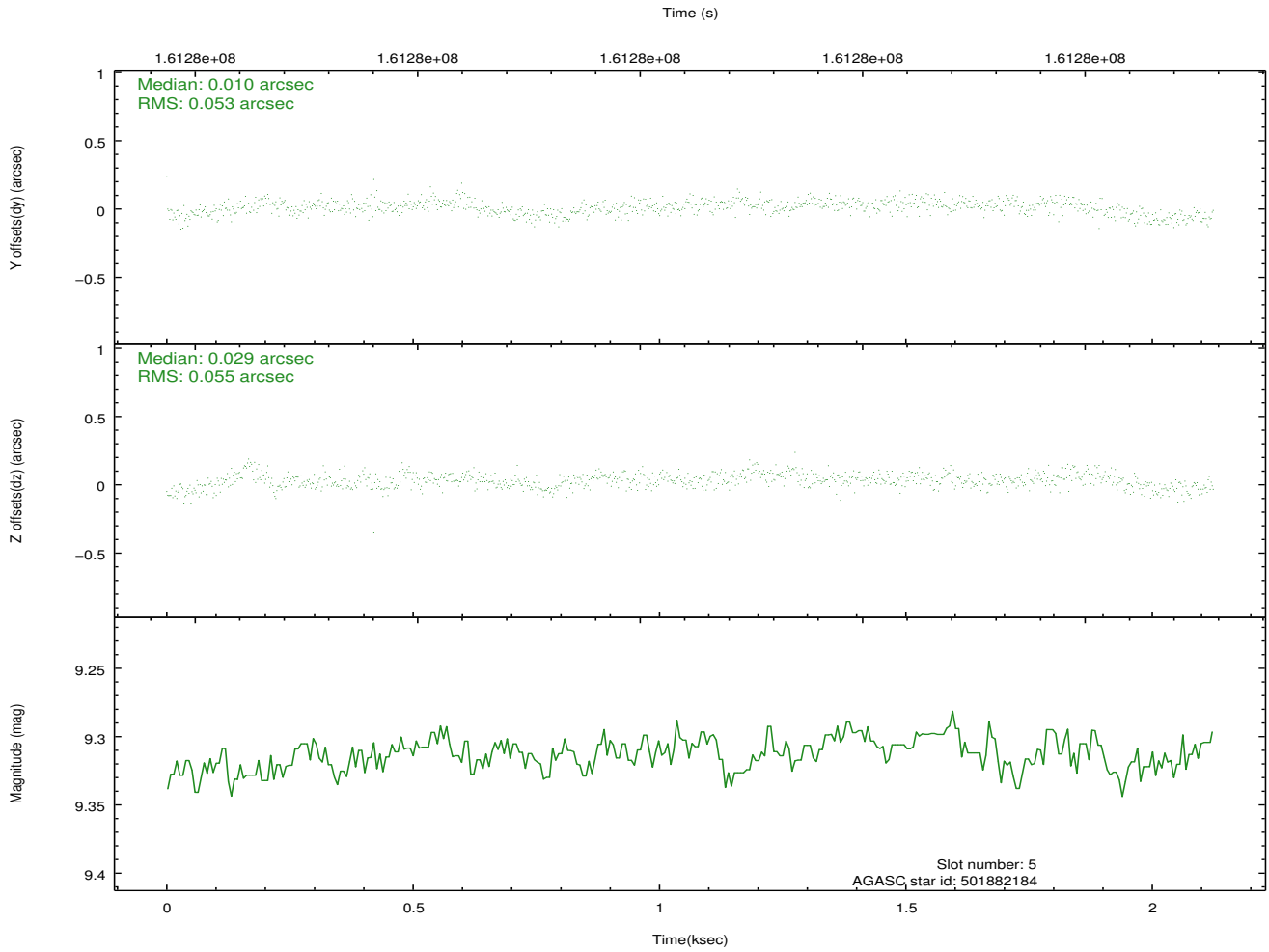
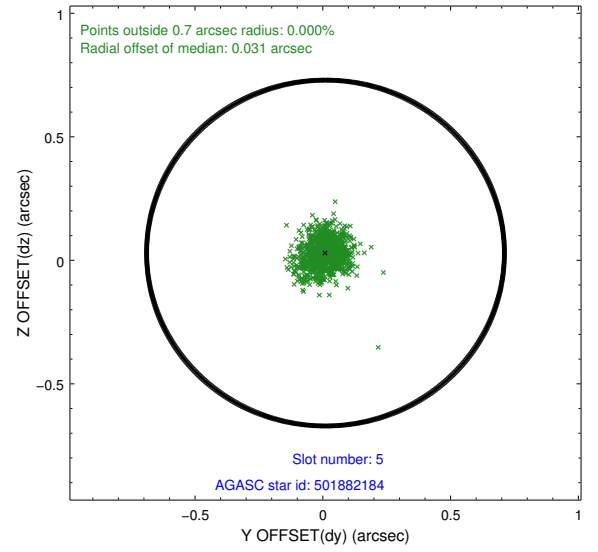
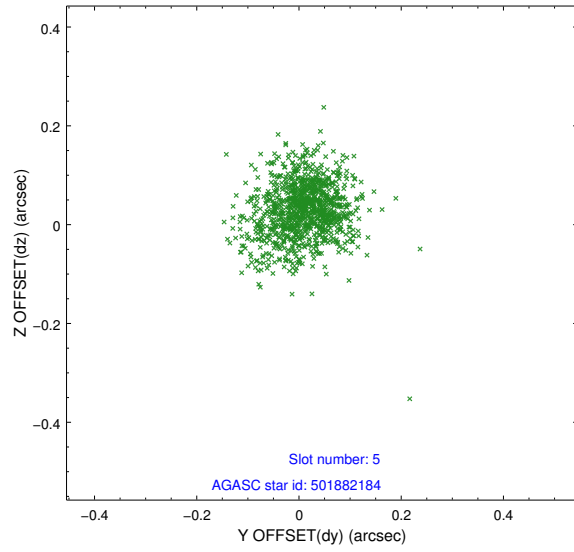
2.4.1 Slot 3



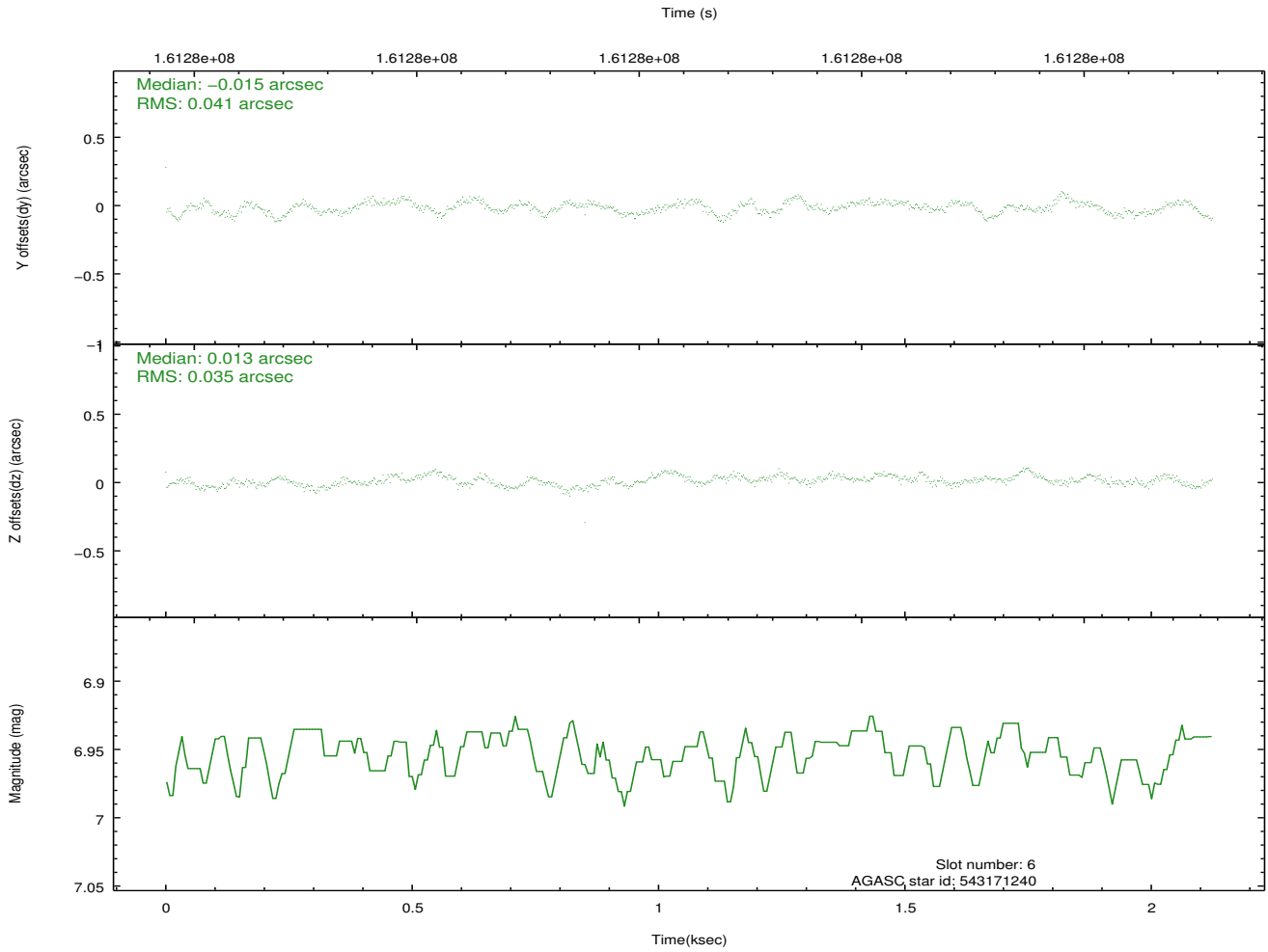
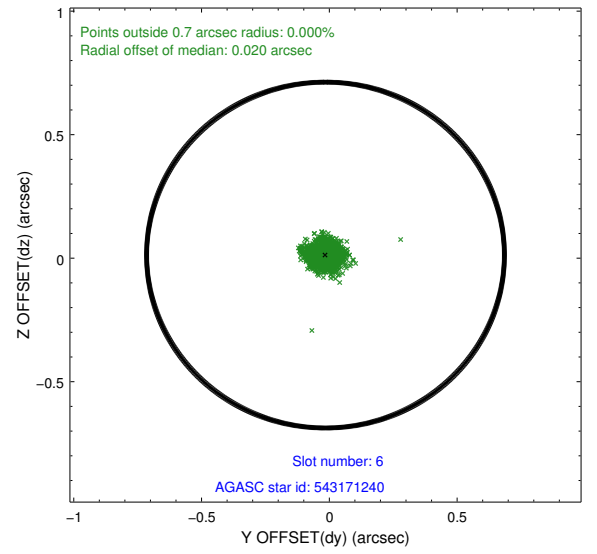
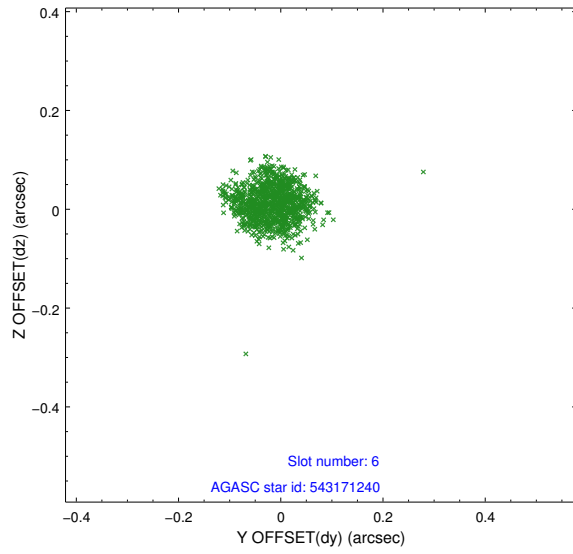
2.4.2 Slot 4



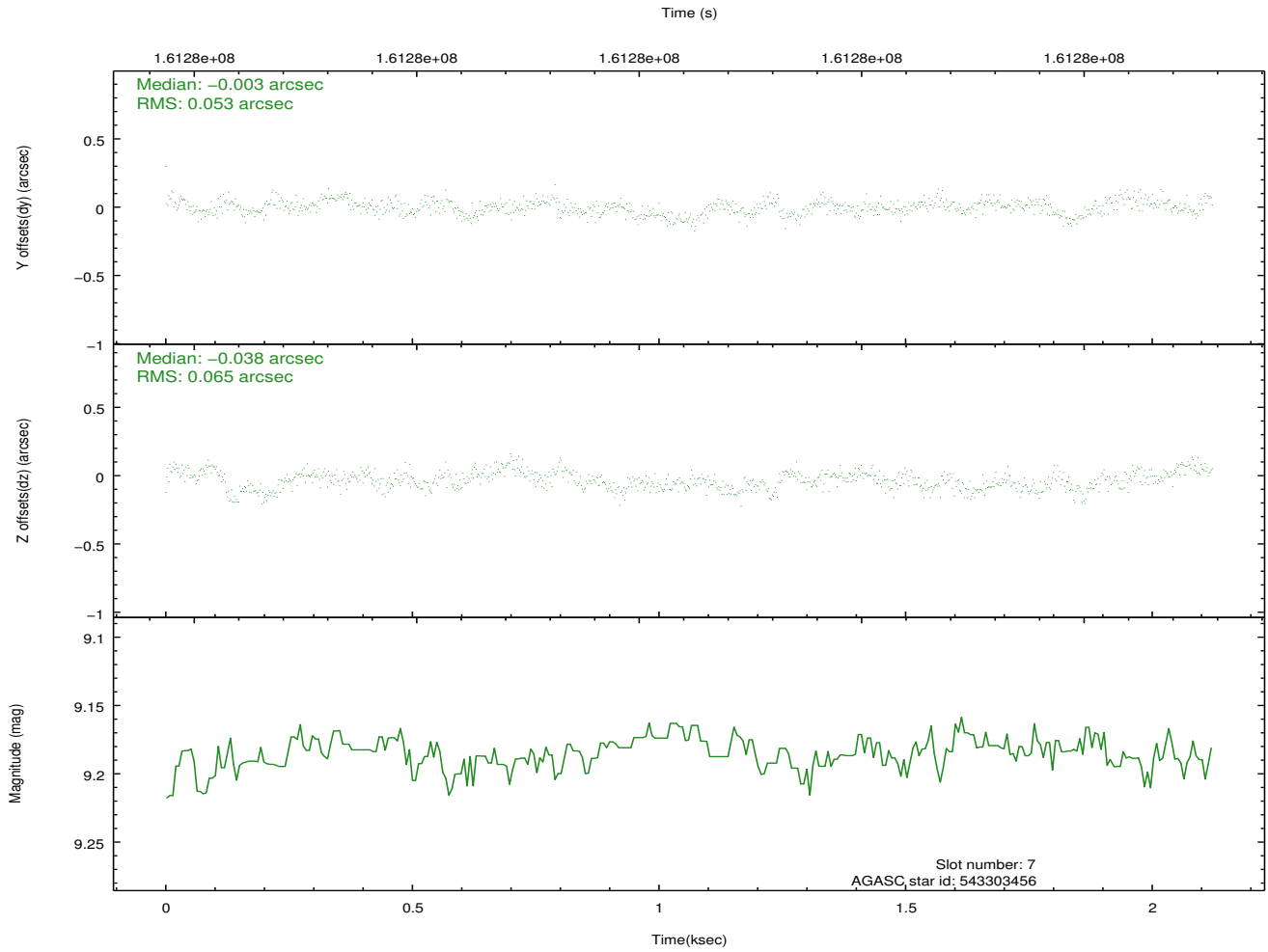
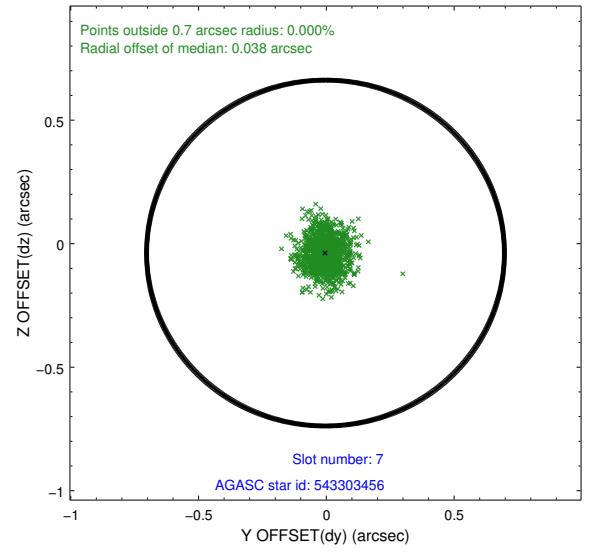
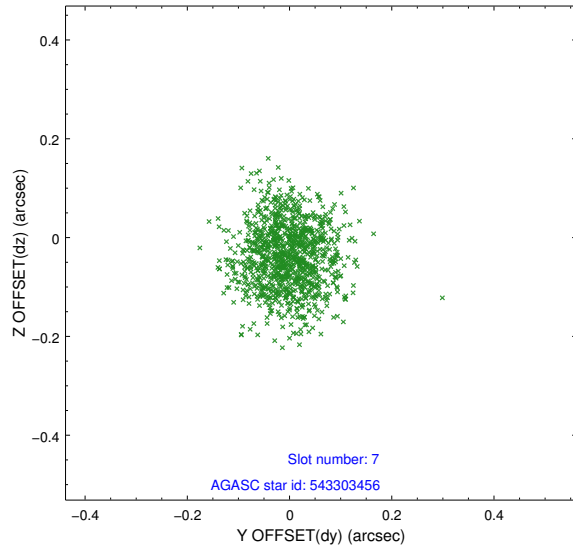
2.4.3 Slot 5



2.4.4 Slot 6

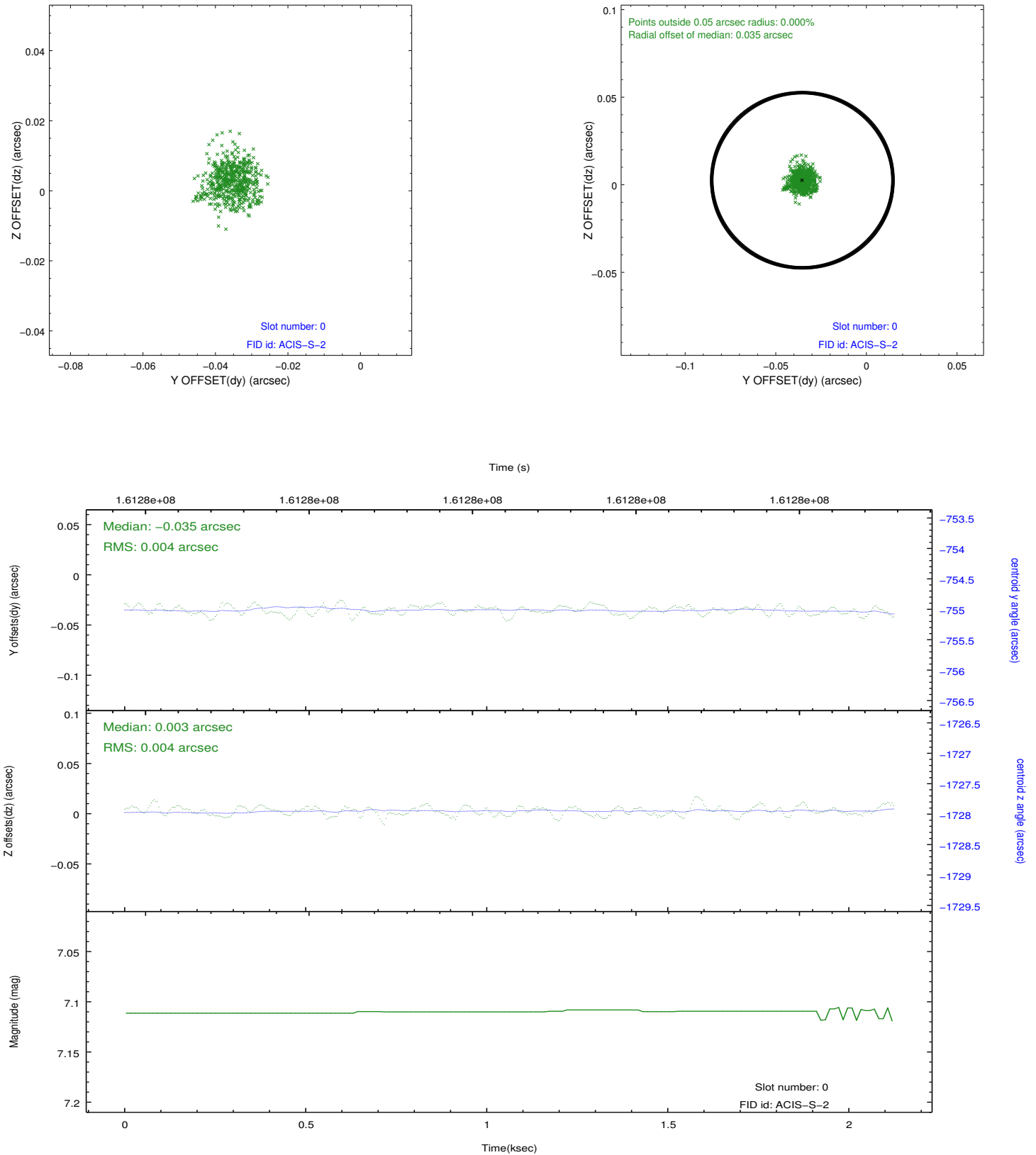


2.4.5 Slot 7

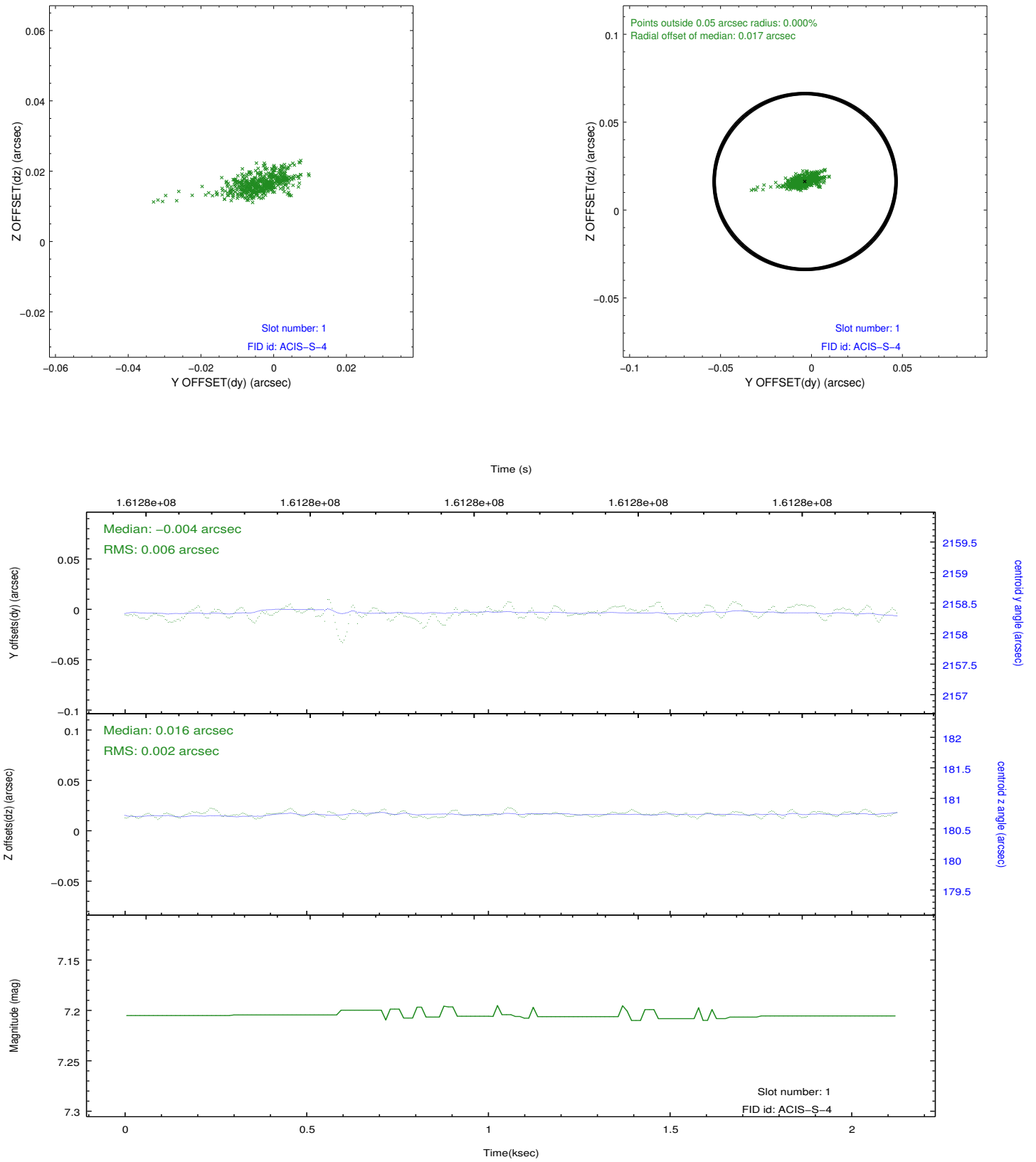


2.5 FID Slots

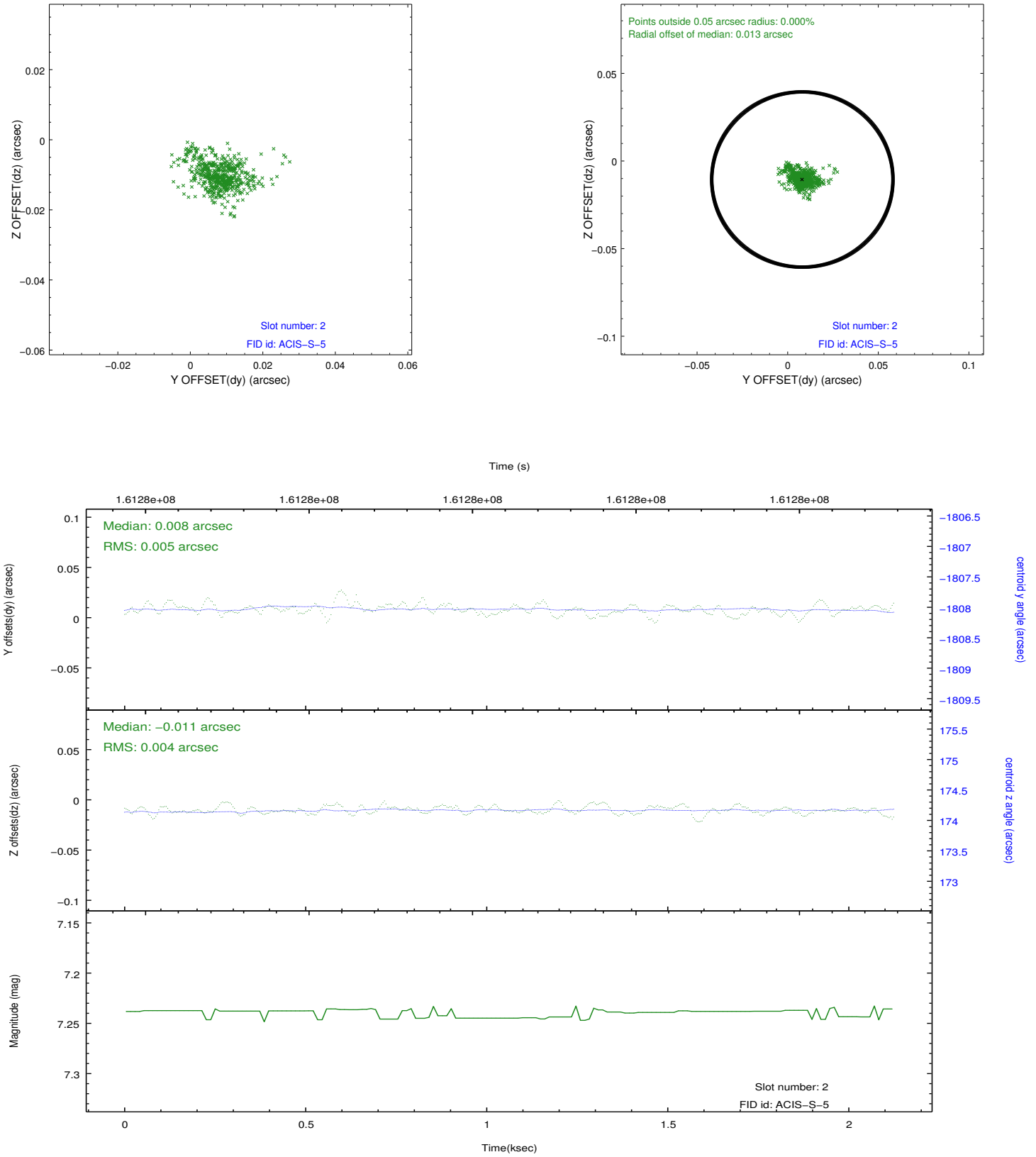
2.5.1 Slot 0



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)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.391

A.2 Comments