

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8215 - L2 Version 2
Chandra X-Ray Center

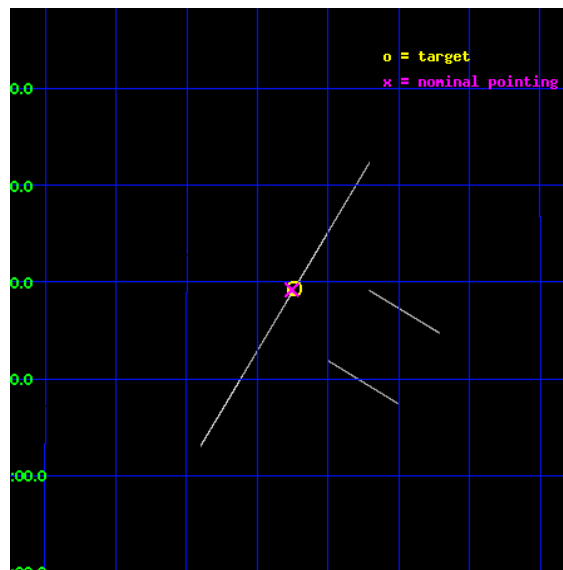
L2 Processing Date : May 5 2012

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1 Front

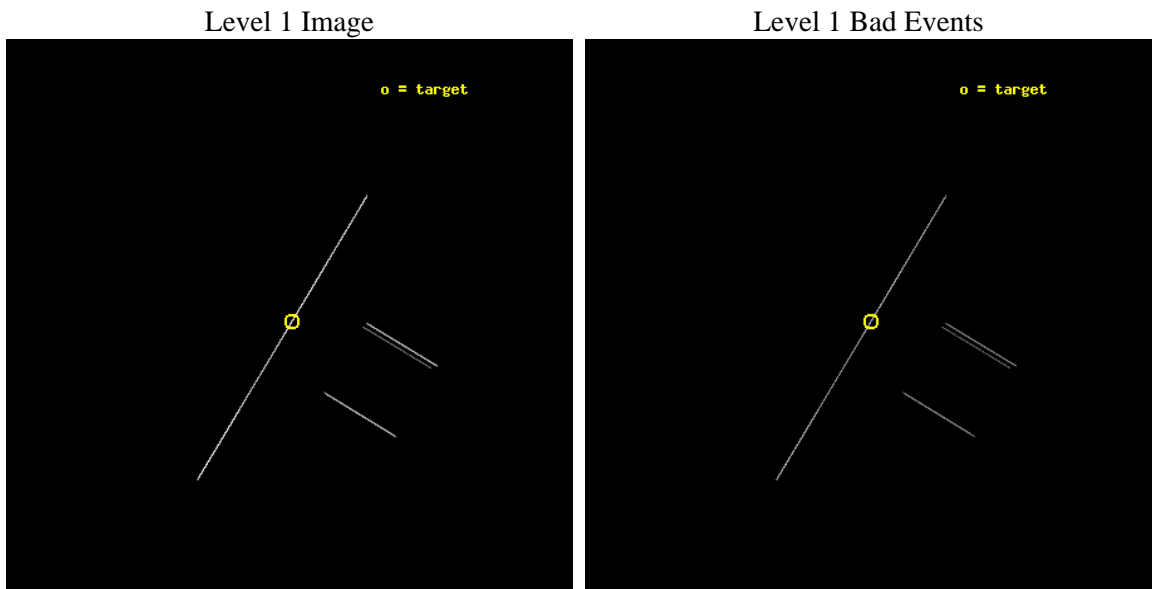
seq_num	500723	Sequence number
obs_id	8215	Observation id
title	Can We Observe the SGR to AXP Transition in Real Time?	Proposal ti
observer	Dr. C. Wilson-Hodge	Principal investigator
object	SGR 1900+14	Source name
ra_targ	286.809583	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.81394282581	Nominal RA [deg]
dec_nom	9.3200771797858	Nominal Dec [deg]
roll_nom	301.07201957097	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12674.25	Sum of GTIs [s]
livetime	12624.741210938	Livetime [s]
ontime2	12674.25	Sum of GTIs [s]
ontime3	12674.25	Sum of GTIs [s]
ontime5	12674.25	Sum of GTIs [s]
ontime6	12674.25	Sum of GTIs [s]
ontime7	12674.25	Sum of GTIs [s]
ontime8	12674.25	Sum of GTIs [s]
l2events	224043	Number of level 2 events



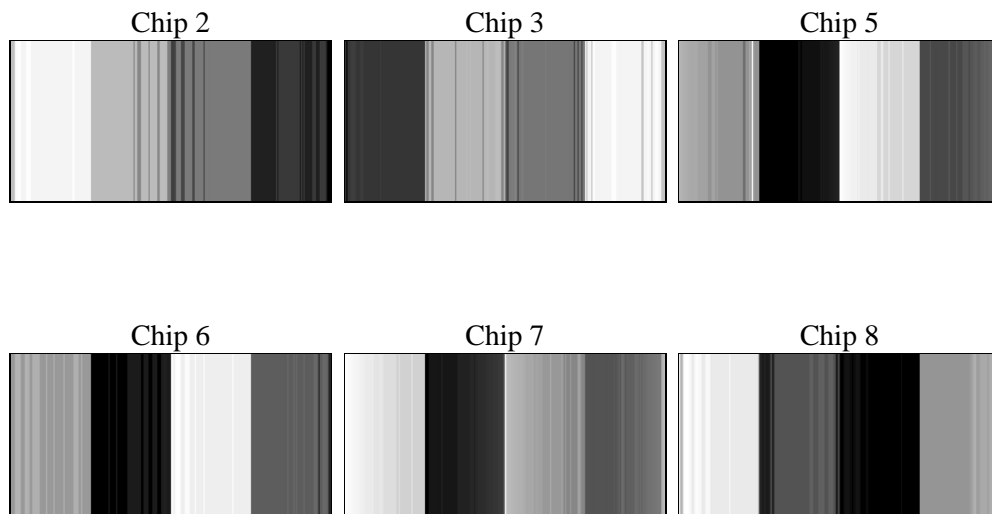
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	12674.25	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	12674.25	Sum of GTIs [s]
date	2012-05-05T05:10:32	Date and time of file creation	ontime3	12674.25	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	12674.25	Sum of GTIs [s]
			ontime6	12674.25	Sum of GTIs [s]
			ontime7	12674.25	Sum of GTIs [s]
			ontime8	12674.25	Sum of GTIs [s]
			l1events	337208	Number of level 1 events

2.1.4 Events

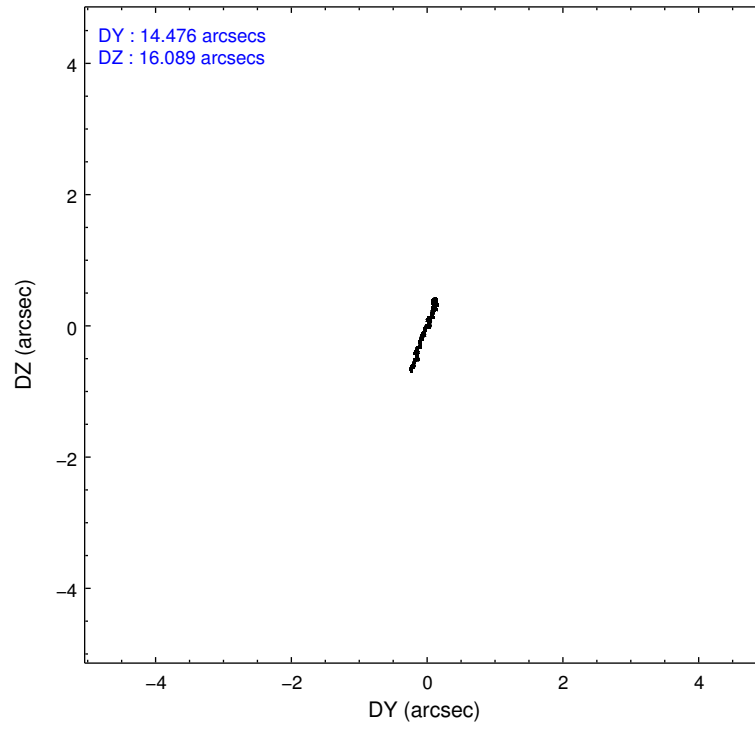
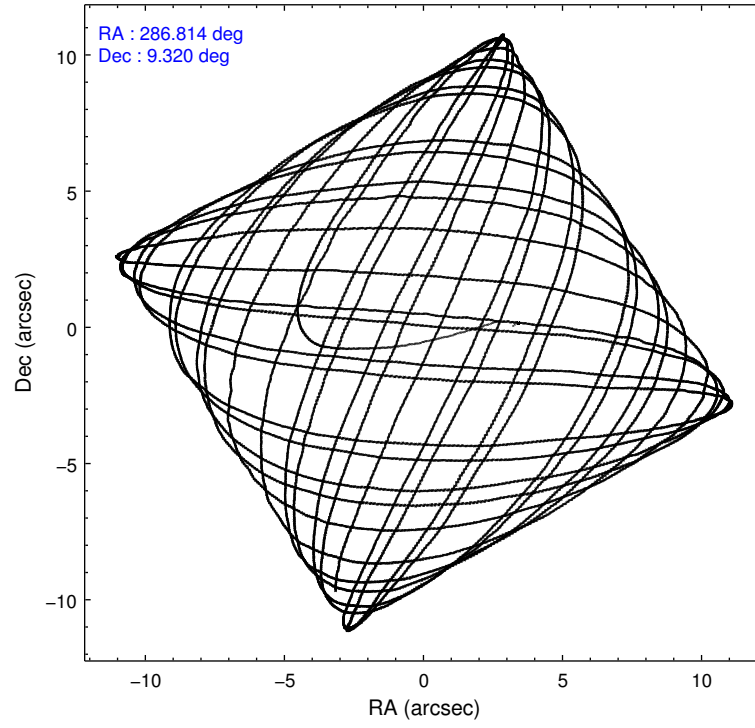
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25717	28333	108447	27978	88424	58309
rejected events	6049	6886	19070	6917	18066	11233
rejected %	23%	24%	17%	24%	20%	19%

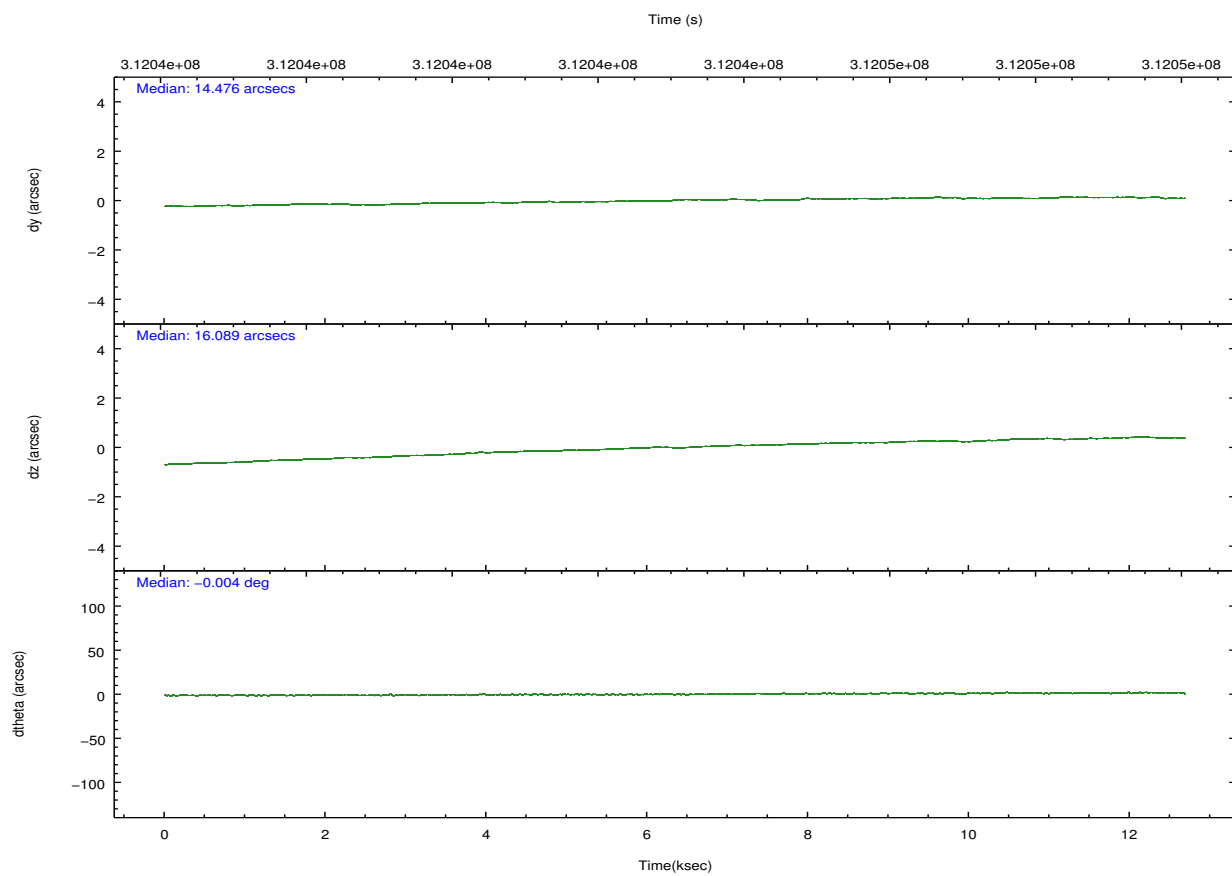
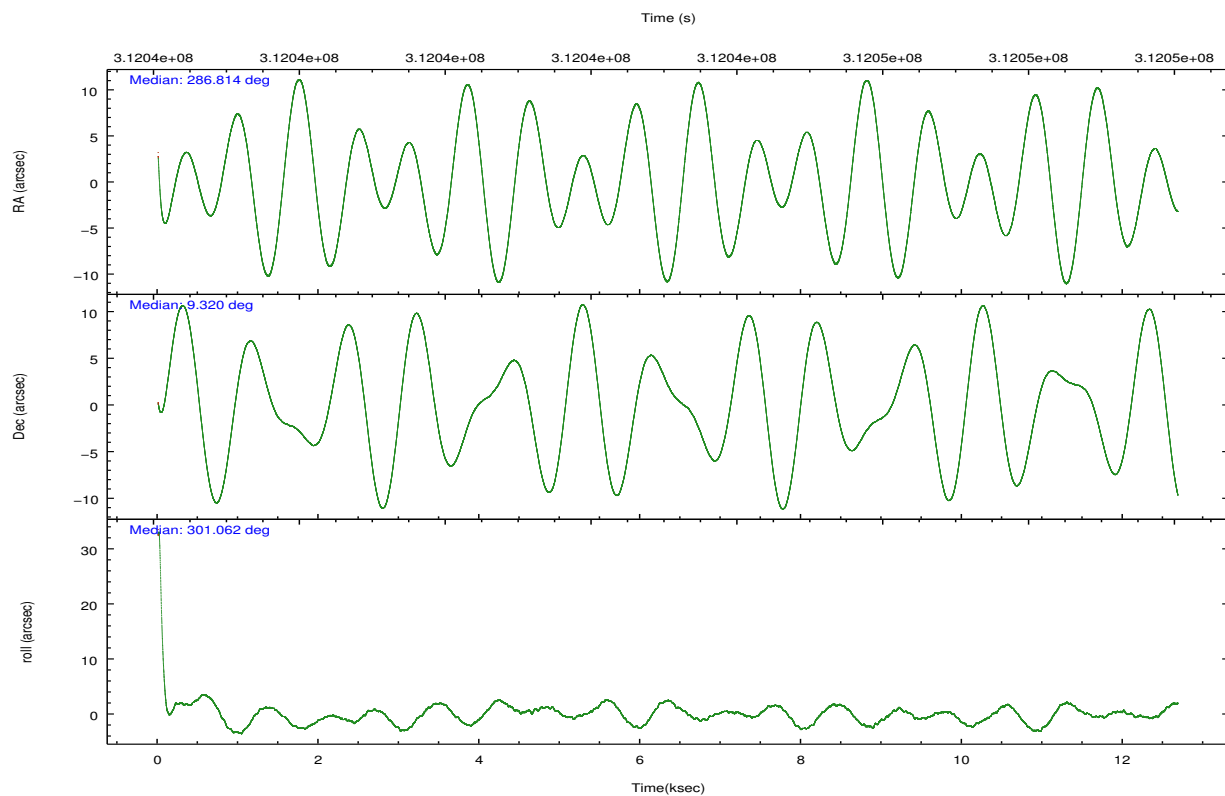
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3182	3181	8549	2764	6277	10214
	12%	11%	7%	9%	7%	17%
grade 1 events	111	118	217	92	229	216
	0%	0%	0%	0%	0%	0%
grade 2 events	8098	8881	30537	8727	19318	16070
	31%	31%	28%	31%	21%	27%
grade 3 events	2668	3113	2449	2809	4687	5347
	10%	10%	2%	10%	5%	9%
grade 4 events	2704	2582	2346	2581	4802	5233
	10%	9%	2%	9%	5%	8%
grade 5 events	4734	5442	11633	5507	13720	7725
	18%	19%	10%	19%	15%	13%
grade 6 events	4220	5016	52716	5498	39391	13504
	16%	17%	48%	19%	44%	23%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	286.789522	286.813942825812	CCD I2 on	O1	Y
[deg] Pointing Dec	9.332923	9.320077179785775	CCD I3 on	Y	Y
[deg] Pointing Roll	300.919324	301.0720195709706	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O2	Y
[s] Observation start time (MET)	312036898.184000	312035905.8463	CCD S5 on	N	N
Observation start date	2007-11-21T12:53:53	2007-11-21T12:38:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	312049398.184000	312050571.03451	On-chip summing requested	N	N
Observation end date	2007-11-21T16:22:13	2007-11-21T16:42:51	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



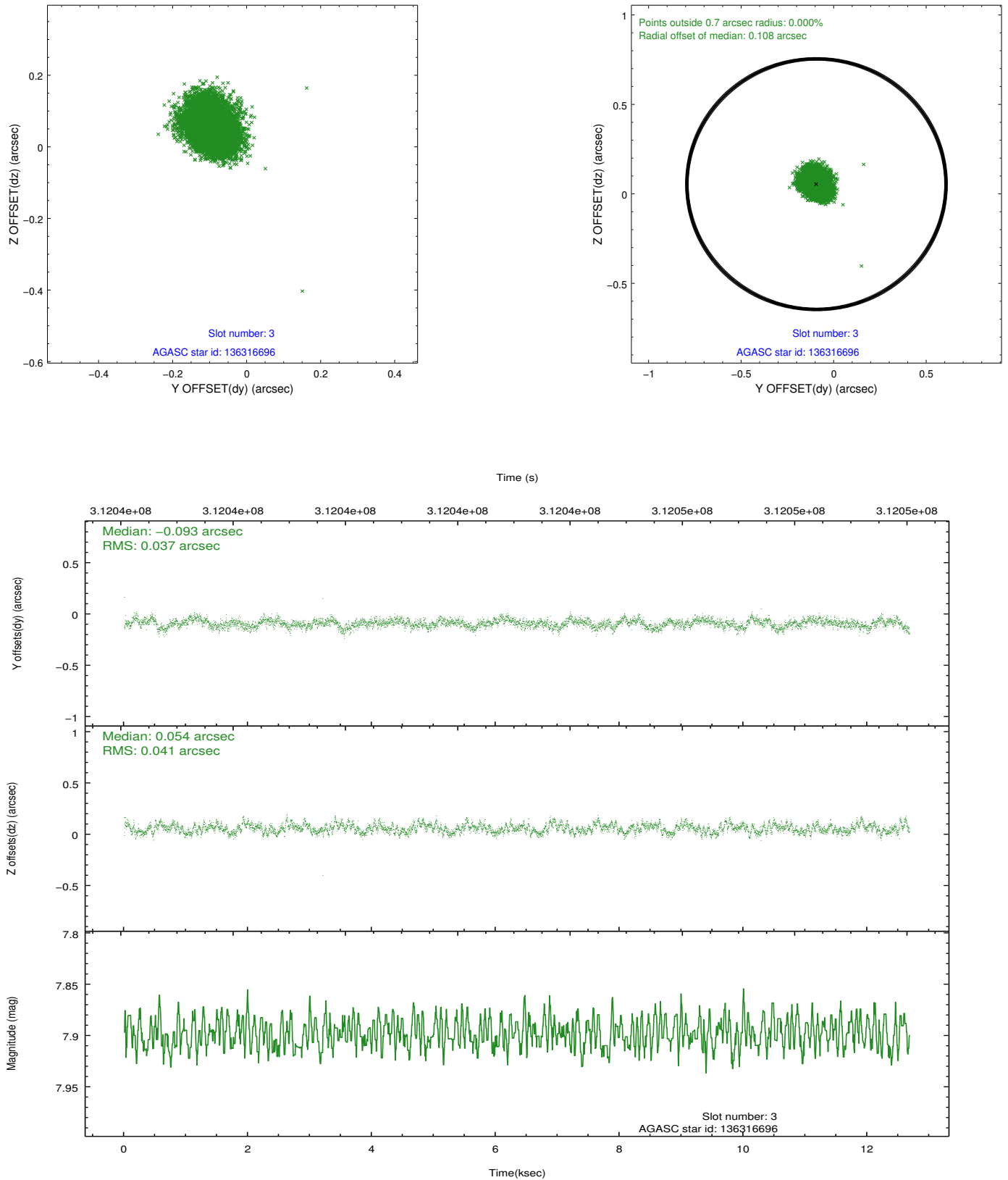


Slot Statistics

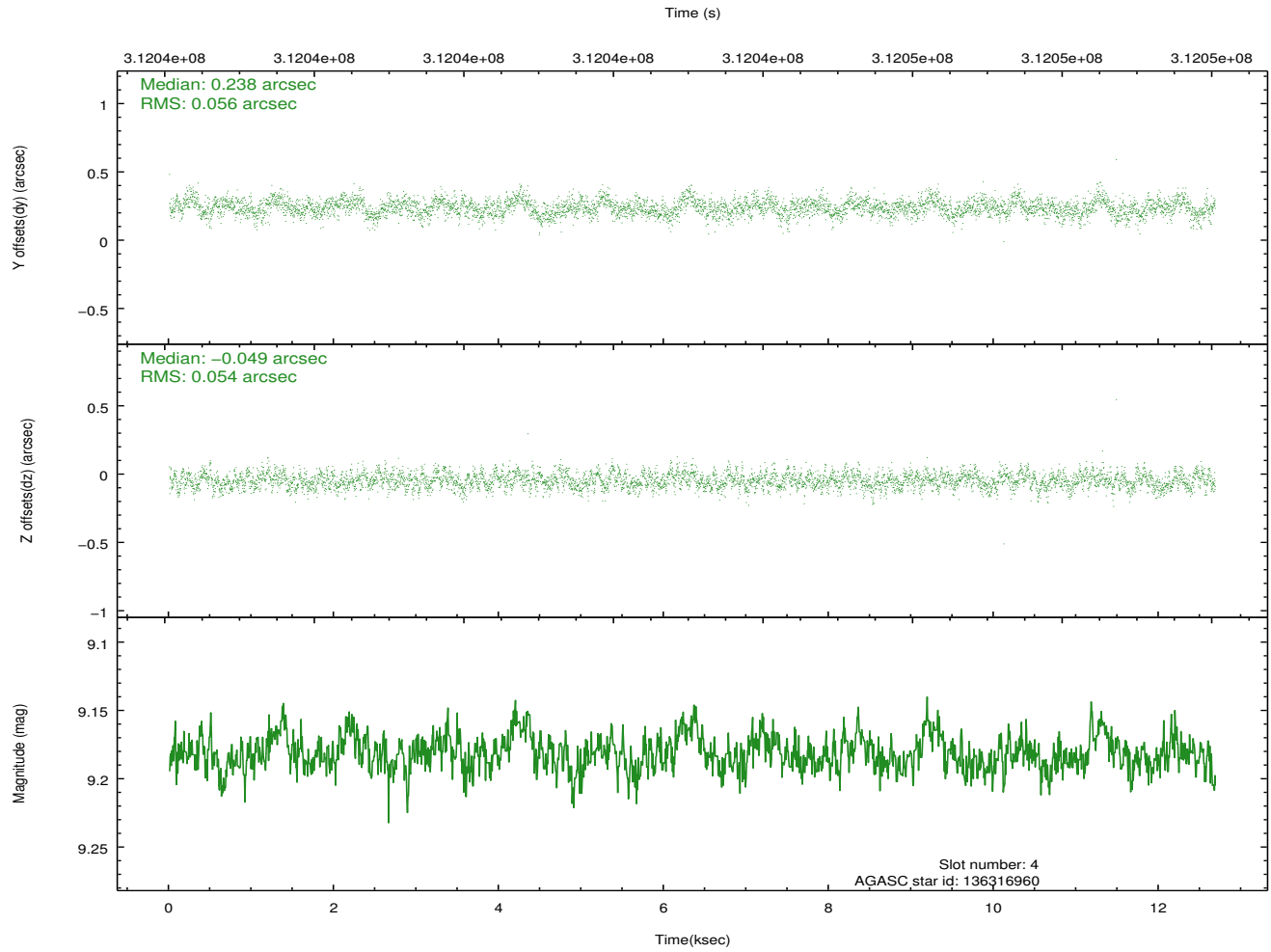
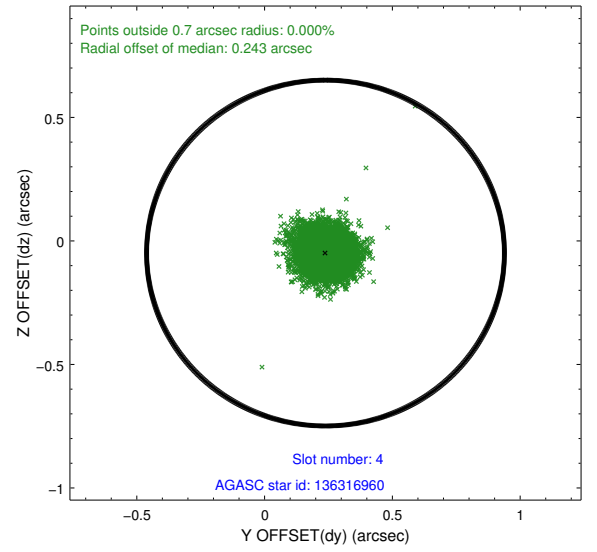
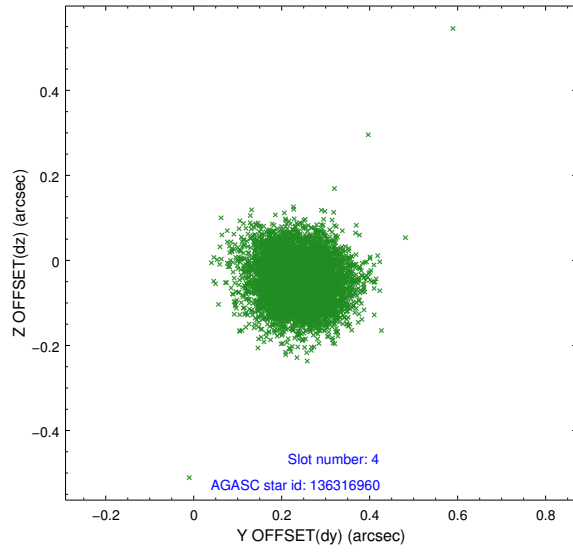
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3093	-0.080	-0.033	0.009	0.014	0.000000	0.000000	-767.50	-1737.43
1	FID	ACIS-S-4	7.19	3093	0.207	0.048	0.008	0.013	0.000000	0.000000	2145.90	170.73
2	FID	ACIS-S-5	7.22	3093	-0.159	-0.006	0.009	0.013	0.000000	0.000000	-1819.92	164.79
3	GUIDE	136316696	7.90	6186	-0.093	0.054	0.060	0.094	287.190166	9.367792	622.70	1285.86
4	GUIDE	136316960	9.18	6175	0.238	-0.049	0.082	0.133	287.104881	9.133555	1191.96	593.58
5	GUIDE	136850720	9.11	6184	-0.036	-0.118	0.085	0.135	287.164458	9.793870	-740.50	1994.10
6	GUIDE	136323720	8.84	6179	0.071	-0.005	0.082	0.137	286.331708	8.774626	887.44	-2429.30
7	GUIDE	136844512	7.38	6184	-0.181	0.124	0.071	0.105	286.436543	9.770401	-1994.61	-265.47

2.4 Star Slots

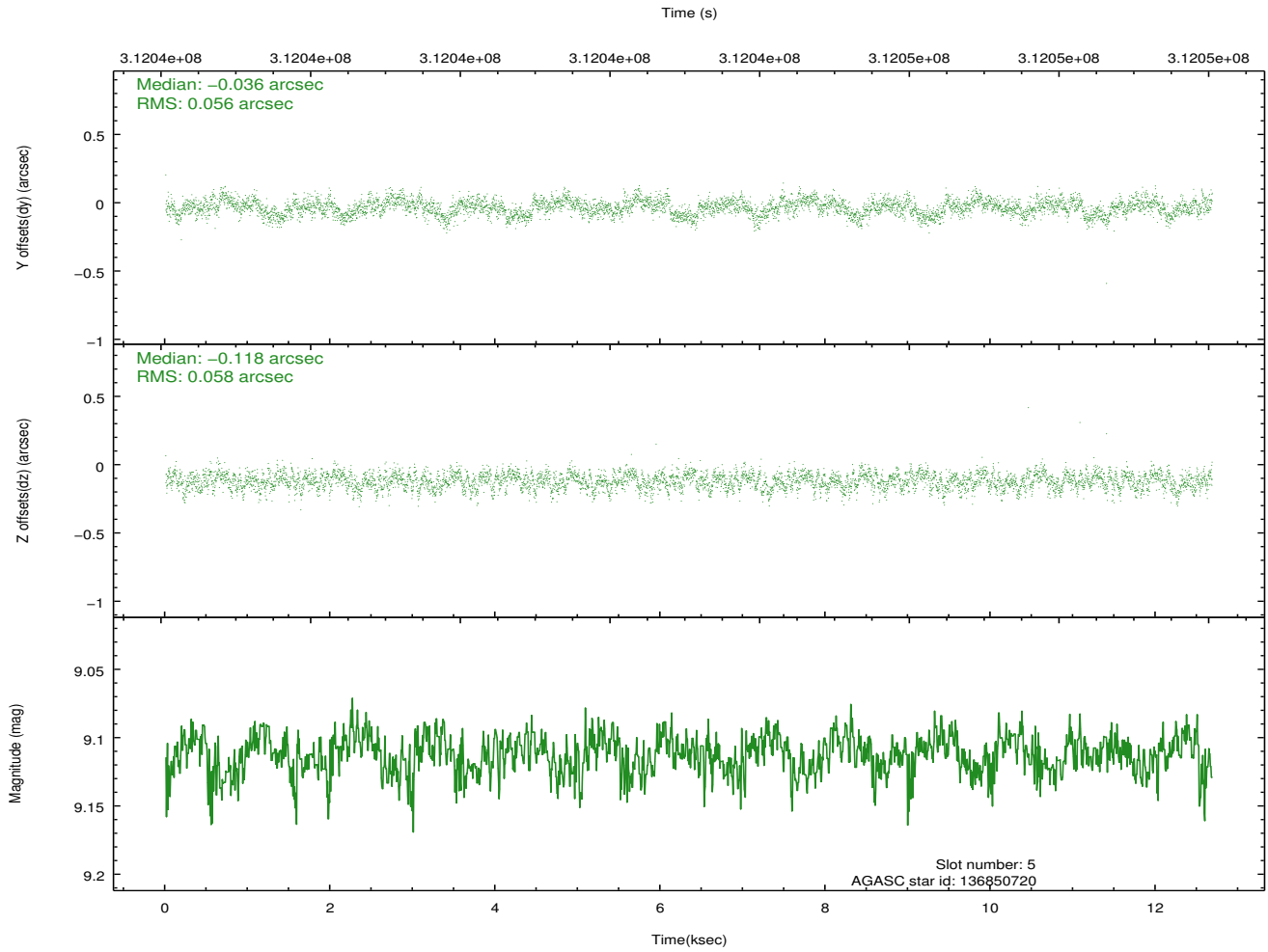
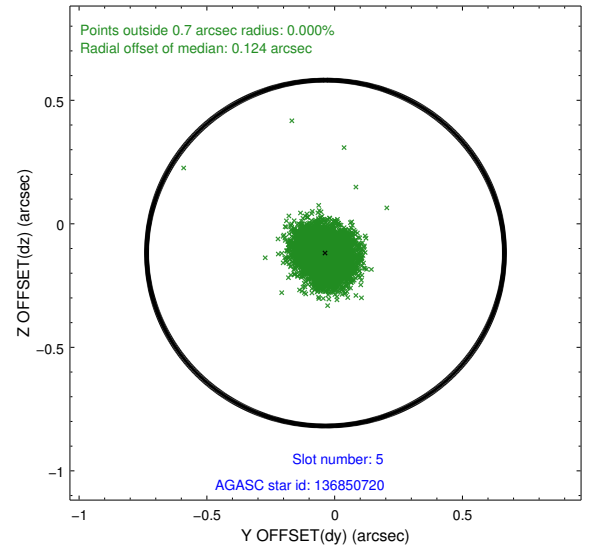
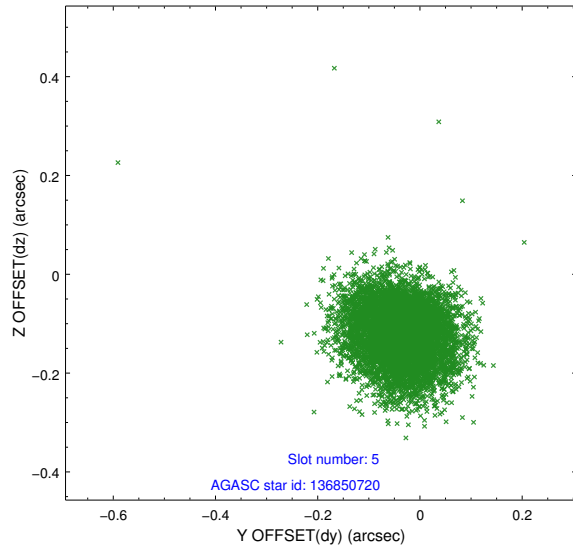
2.4.1 Slot 3



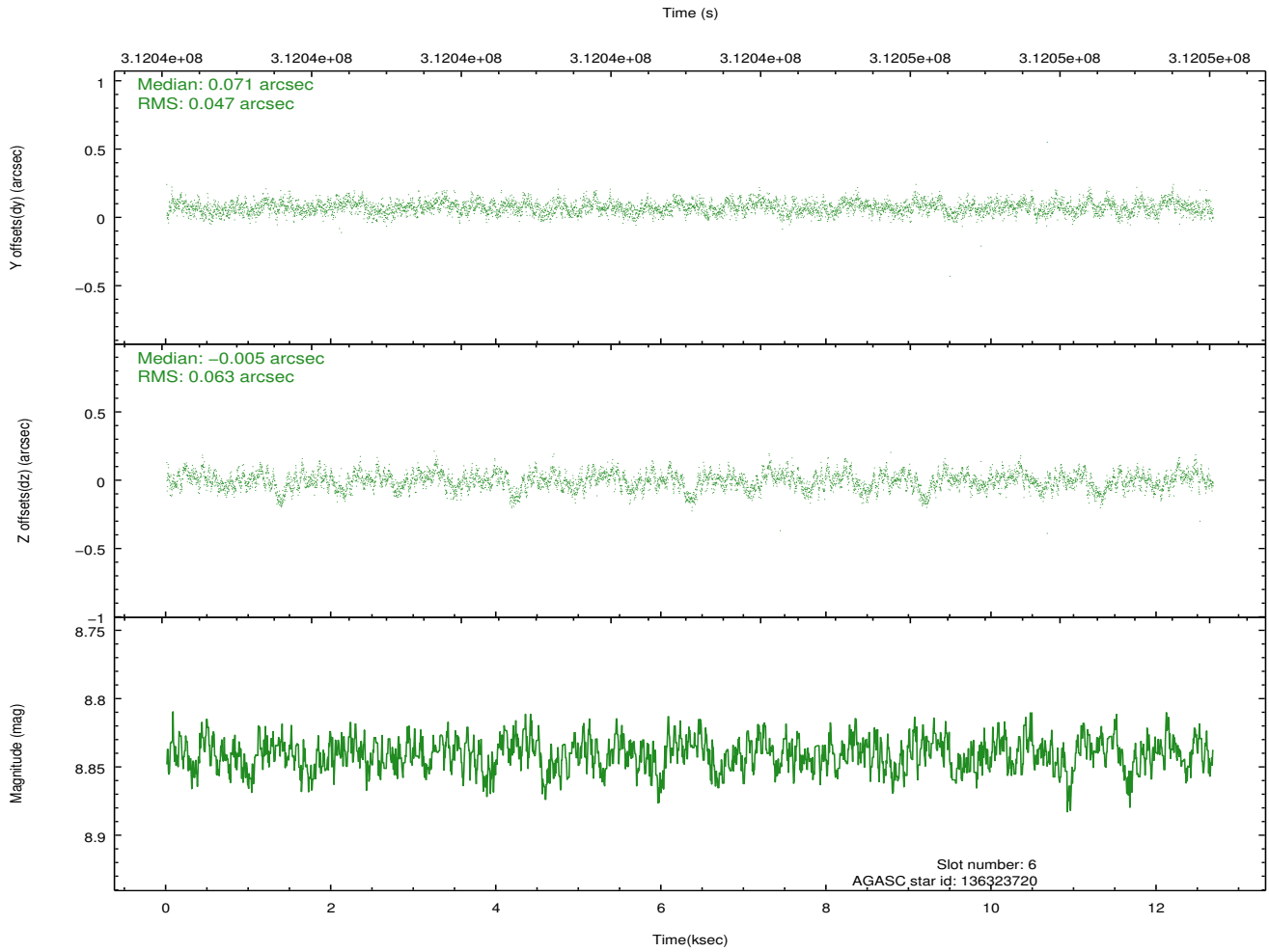
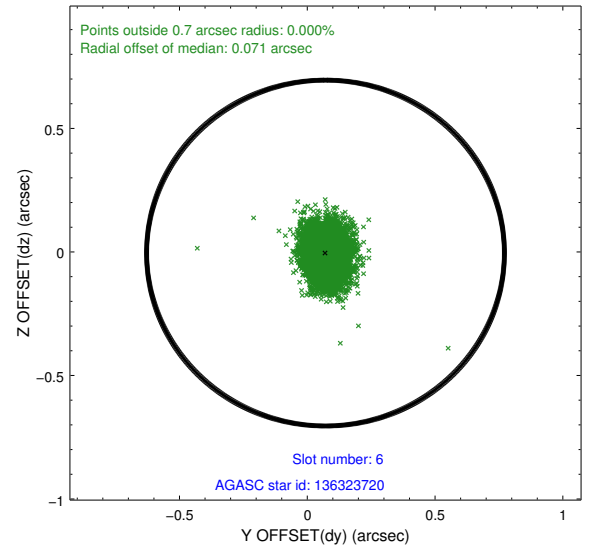
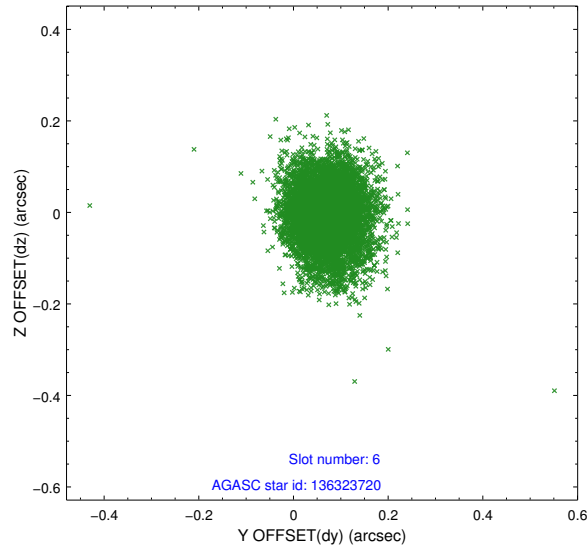
2.4.2 Slot 4



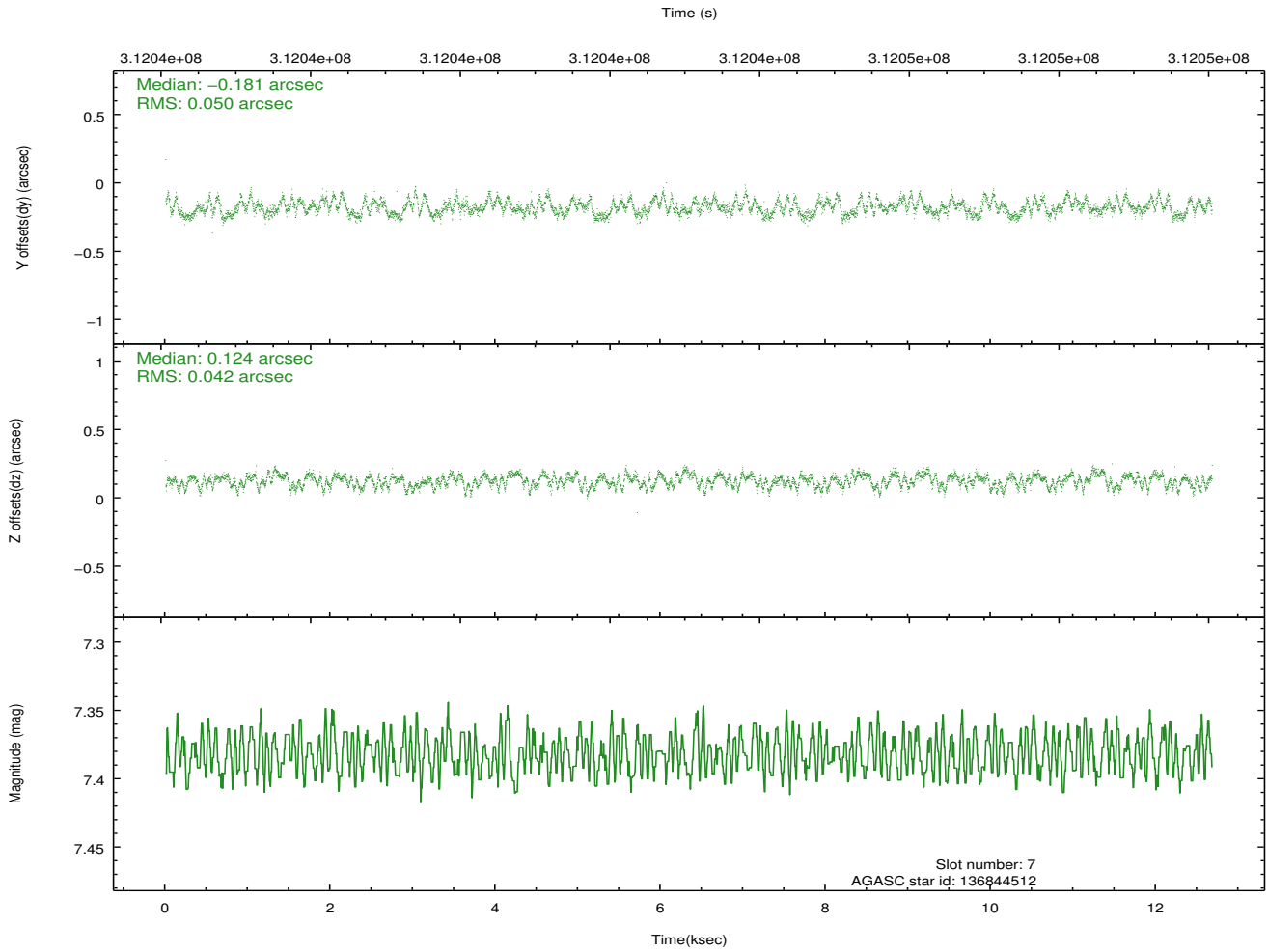
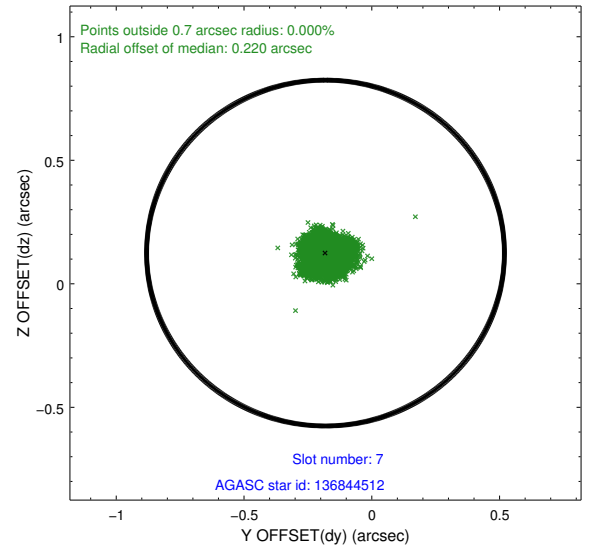
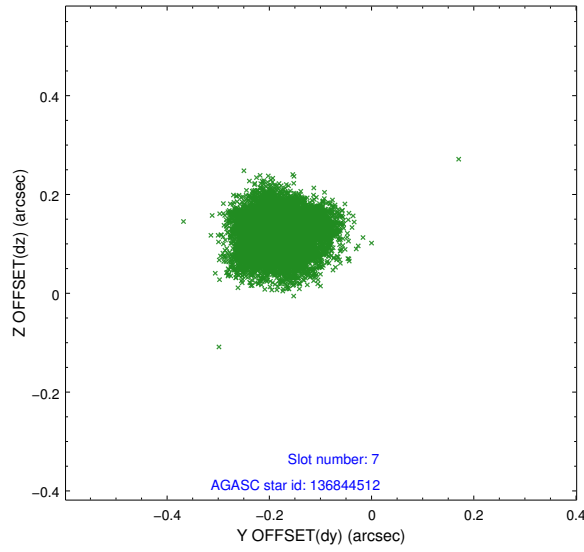
2.4.3 Slot 5



2.4.4 Slot 6

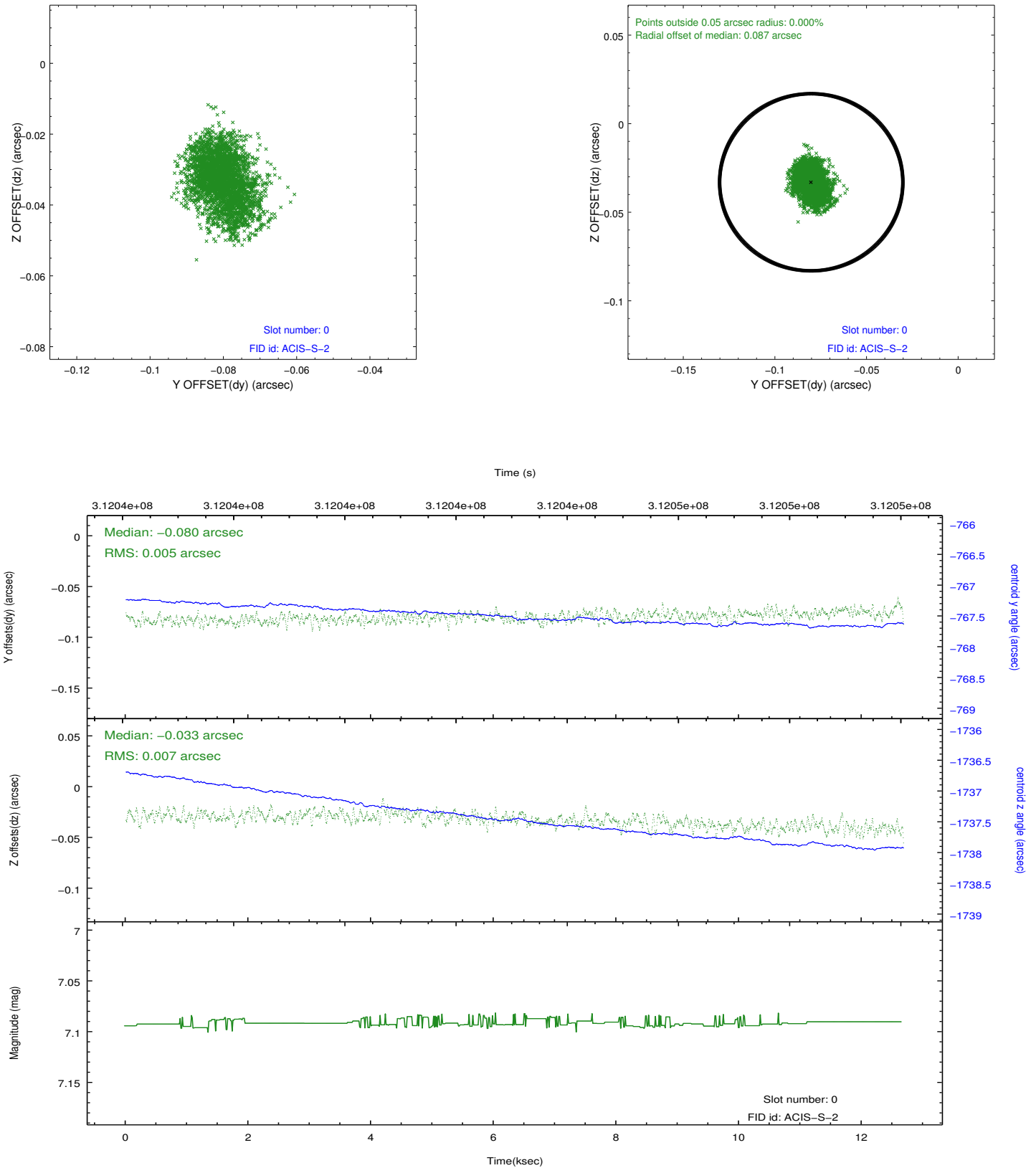


2.4.5 Slot 7

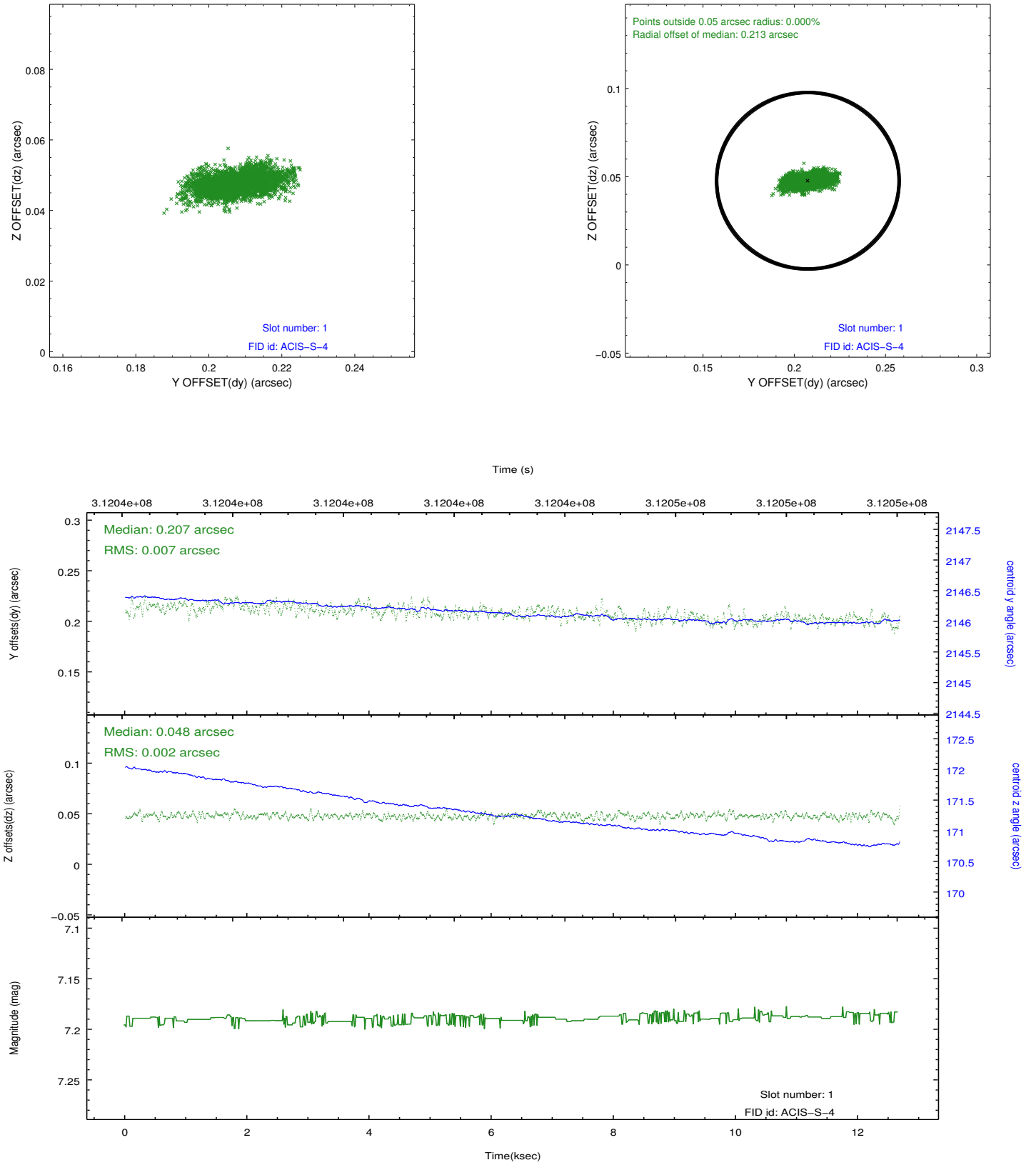


2.5 FID Slots

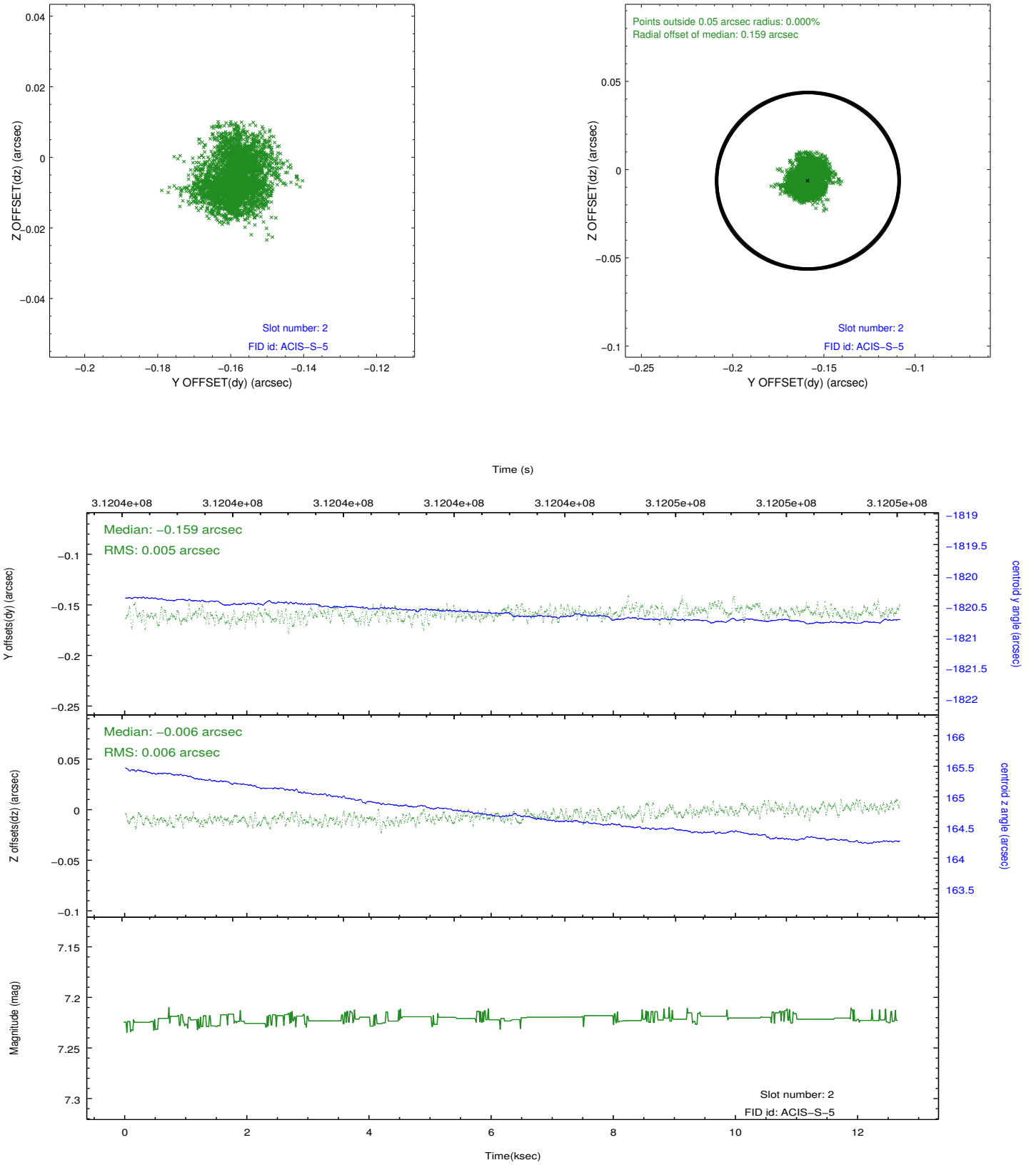
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.67425

A.2 Comments