

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5255 - L2 Version 3
Chandra X-Ray Center

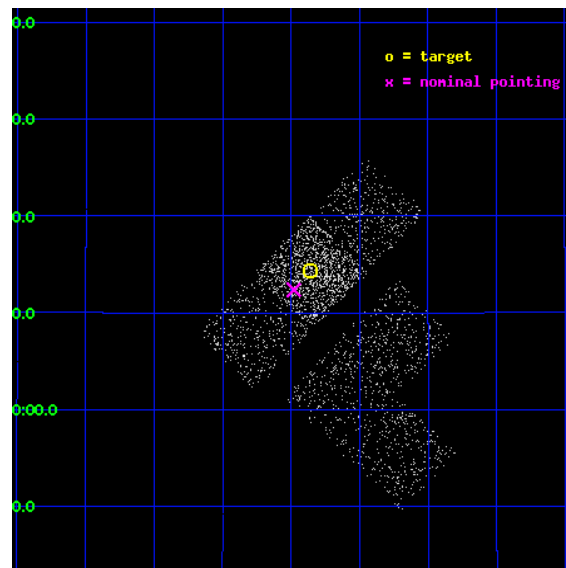
L2 Processing Date : Nov 7 2012

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1 Front

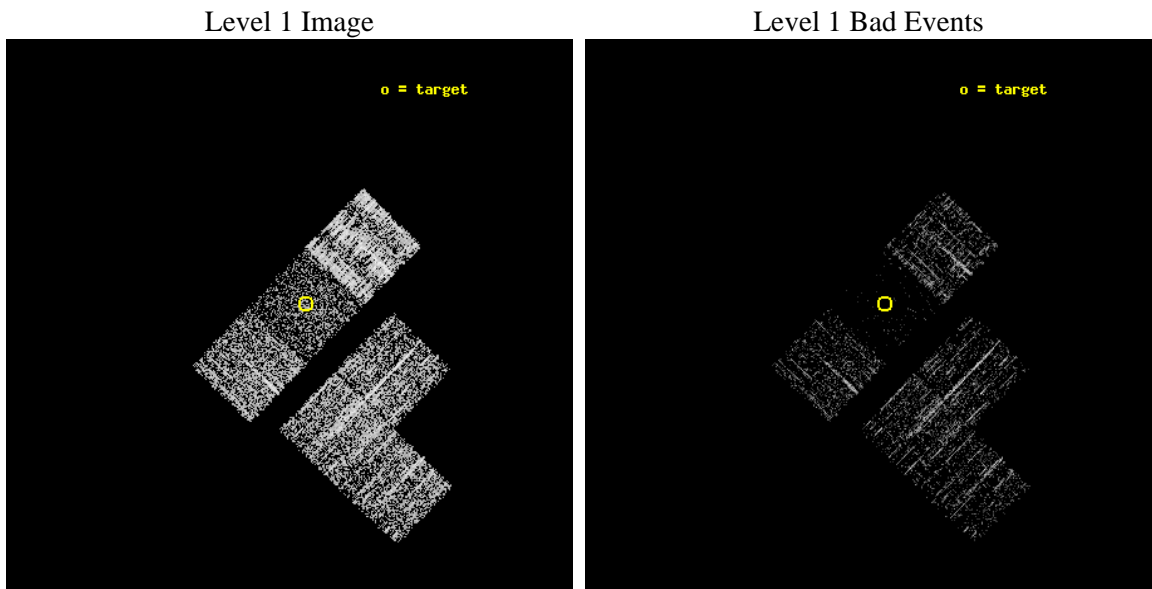
seq_num	100051	Sequence number
obs_id	5255	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.21467	Observer's specified target RA [deg]
dec_targ	17.2387	Observer's specified target Dec [deg]
ra_nom	288.24487941347	Nominal RA [deg]
dec_nom	17.206349891096	Nominal Dec [deg]
roll_nom	314.14769702918	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1478.3999944925	Sum of GTIs [s]
livetime	1459.6796035767	Livetime [s]
ontime0	1478.3999944925	Sum of GTIs [s]
ontime2	1478.3999944925	Sum of GTIs [s]
ontime3	1478.3999944925	Sum of GTIs [s]
ontime6	1478.3999944925	Sum of GTIs [s]
ontime7	1478.3999944925	Sum of GTIs [s]
ontime8	1478.3999944925	Sum of GTIs [s]
l2events	2924	Number of level 2 events



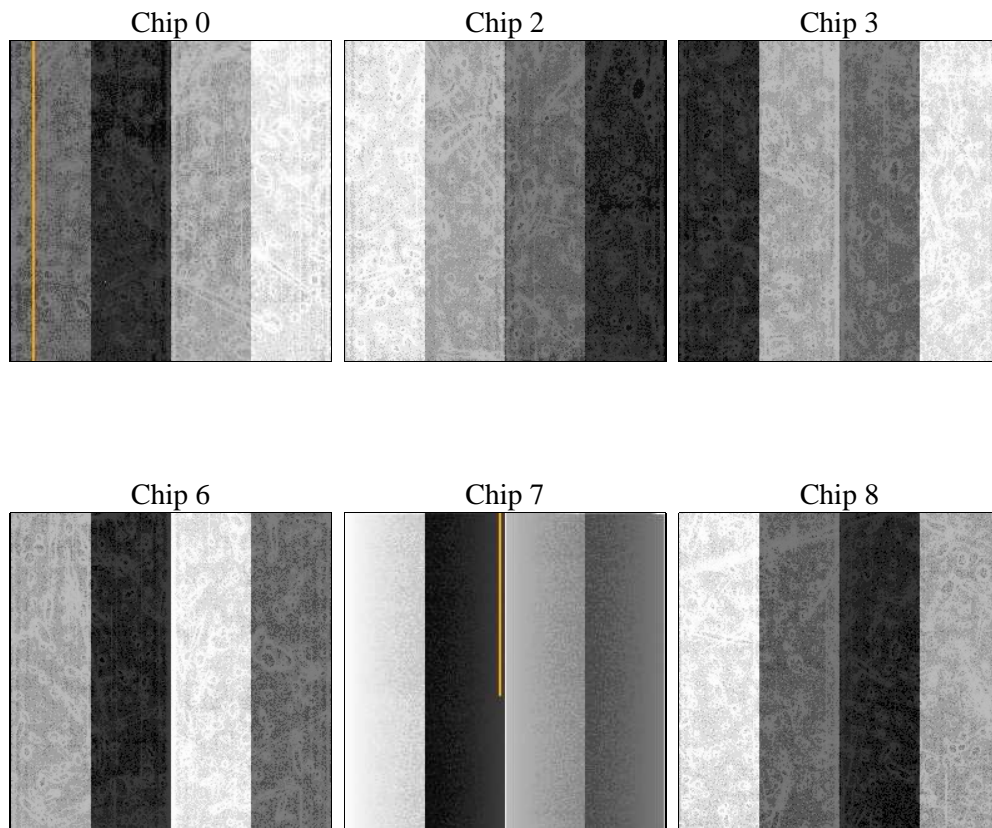
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1290.885000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1478.3999944925	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1478.3999944925	Sum of GTIs [s]
date	2012-11-08T02:13:11	Date and time of file creation	ontime2	1478.3999944925	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1478.3999944925	Sum of GTIs [s]
			ontime6	1478.3999944925	Sum of GTIs [s]
			ontime7	1478.3999944925	Sum of GTIs [s]
			ontime8	1478.3999944925	Sum of GTIs [s]
			l1events	41452	Number of level 1 events

2.1.4 Events

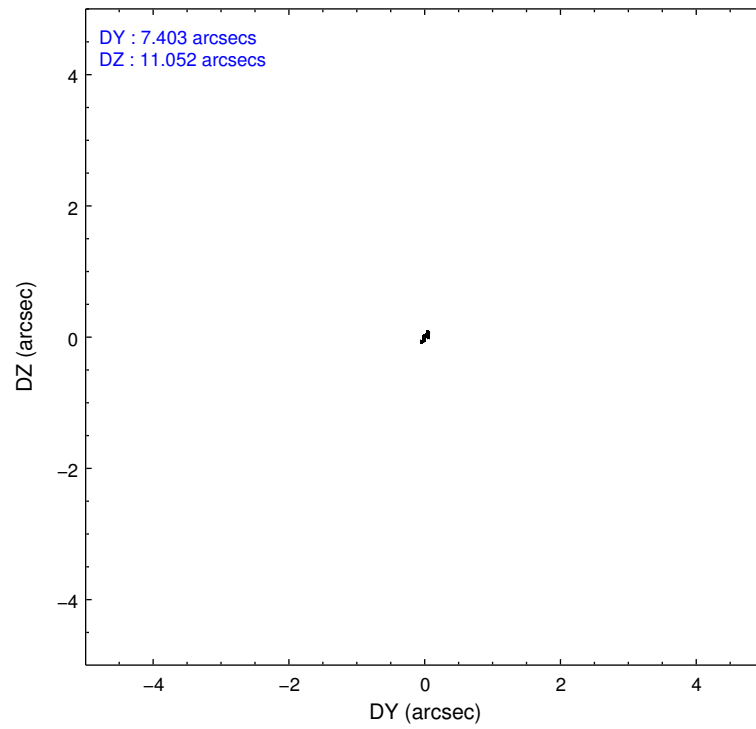
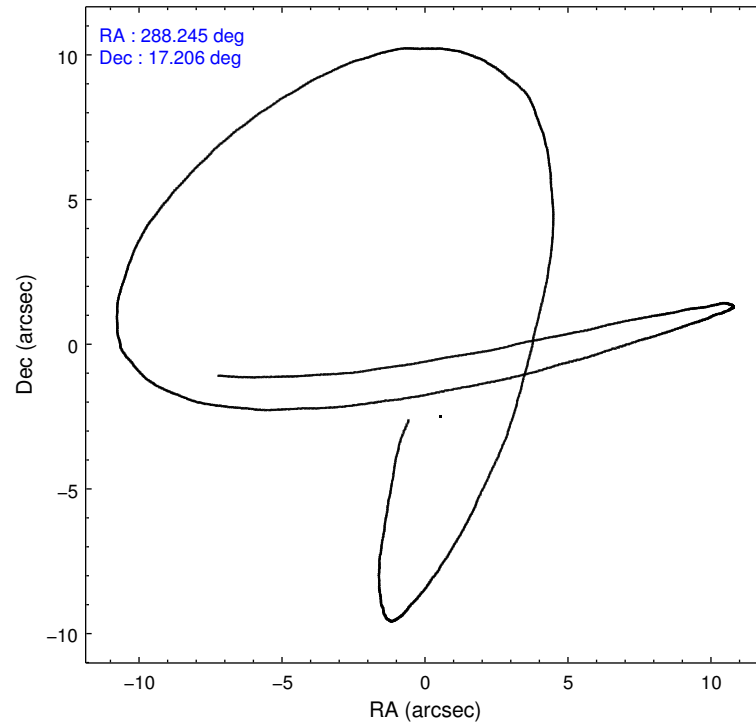
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5572	7375	6421	6342	2312	13430
rejected events	5070	6826	6062	5797	970	8300
rejected %	90%	92%	94%	91%	41%	61%

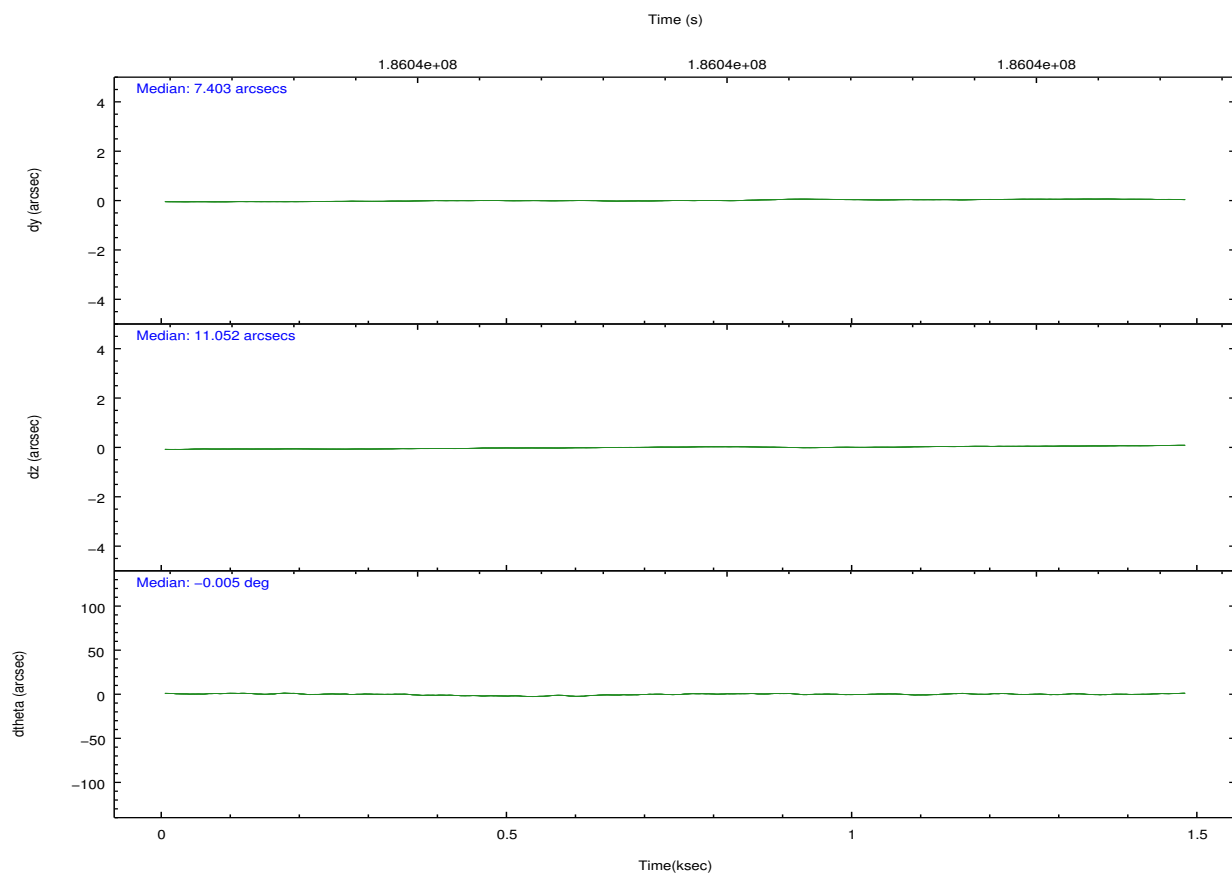
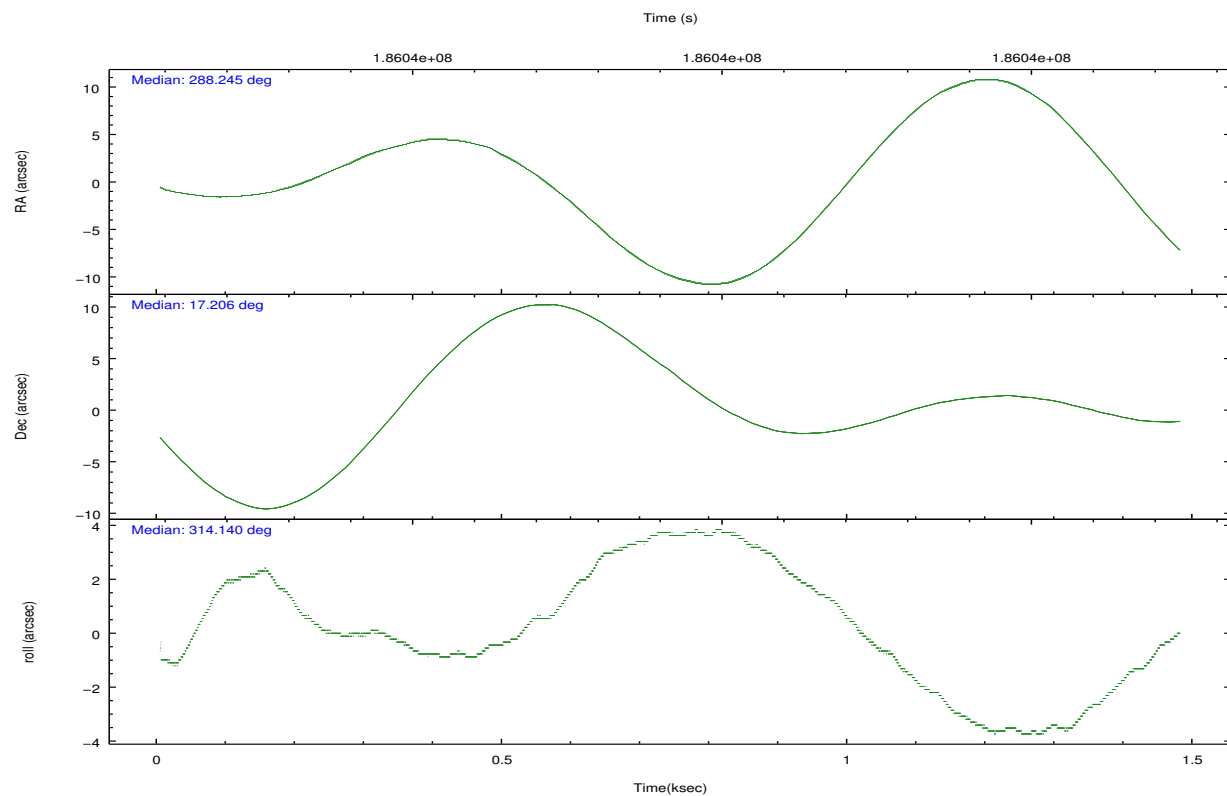
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	270	314	213	327	454	1787
	4%	4%	3%	5%	19%	13%
grade 1 events	3	6	4	2	11	18
	0%	0%	0%	0%	0%	0%
grade 2 events	181	175	89	179	431	1158
	3%	2%	1%	2%	18%	8%
grade 3 events	45	47	37	40	179	940
	0%	0%	0%	0%	7%	6%
grade 4 events	60	62	50	50	168	864
	1%	0%	0%	0%	7%	6%
grade 5 events	45	41	52	45	182	189
	0%	0%	0%	0%	7%	1%
grade 6 events	62	69	46	62	419	1798
	1%	0%	0%	0%	18%	13%
grade 7 events	4906	6661	5930	5637	468	6676
	88%	90%	92%	88%	20%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-023678	ACIS-023678	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	288.217053	288.2448794134684	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.213794	17.20634989109632	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999287	314.1476970291797	[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)	186040864.184000	186040487.70634			
Observation start date	2003-11-24T06:00:00	2003-11-24T05:54:47			
[s] Observation end time (MET)	186042154.184000	186042288.63142			
Observation end date	2003-11-24T06:21:30	2003-11-24T06:24:48			
Read mode	TIMED	TIMED			

2.3 Aspect



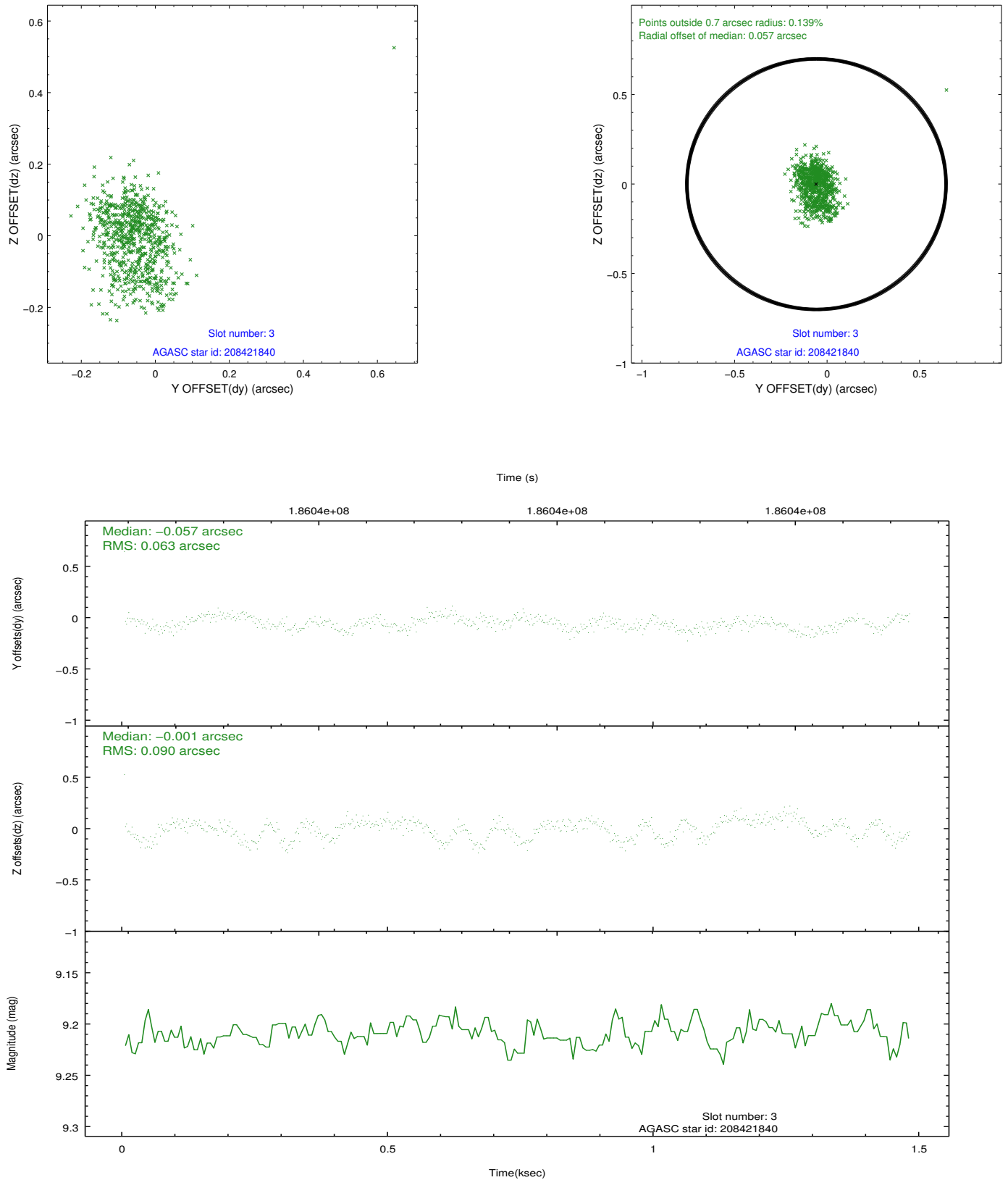


Slot Statistics

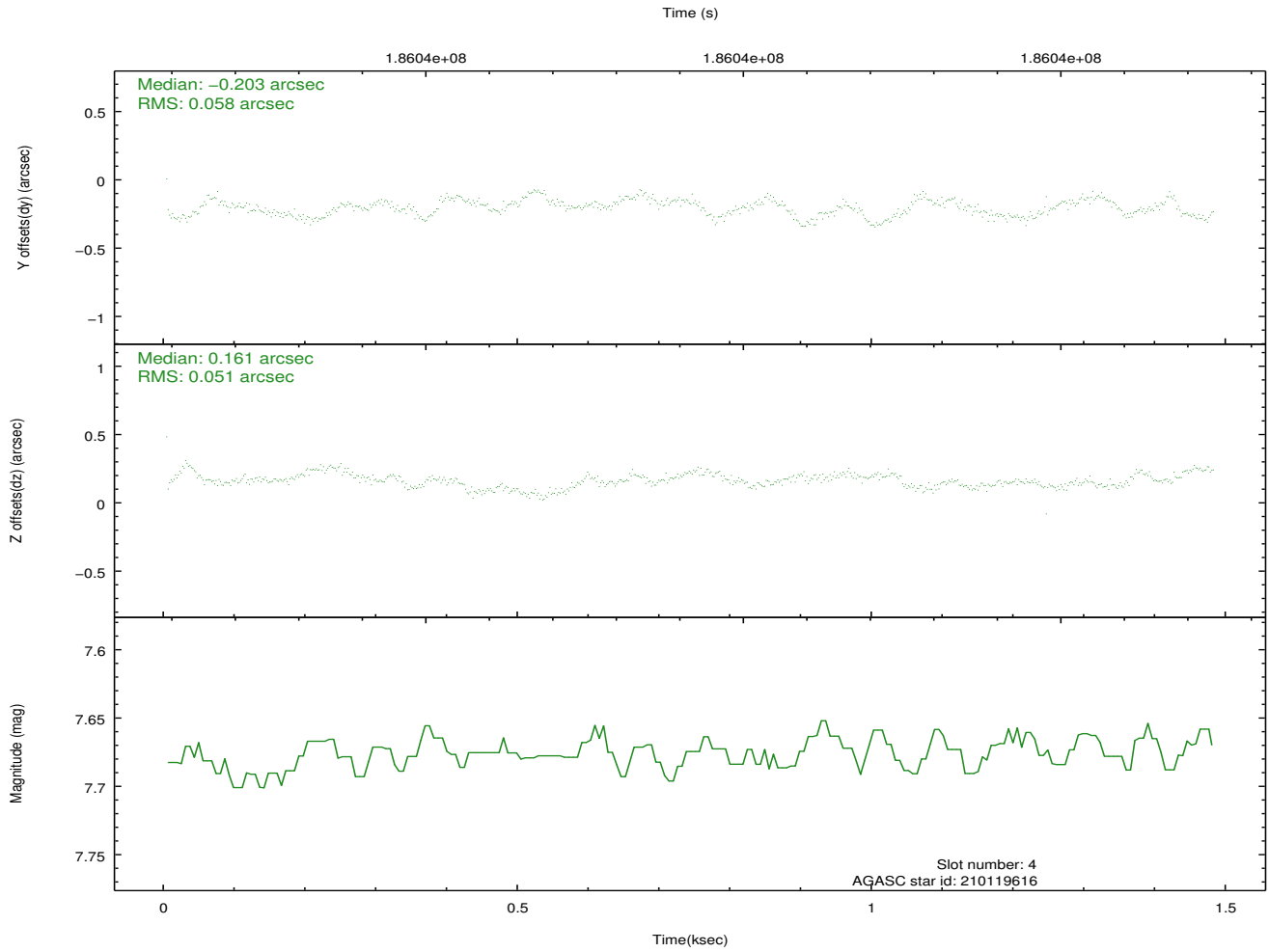
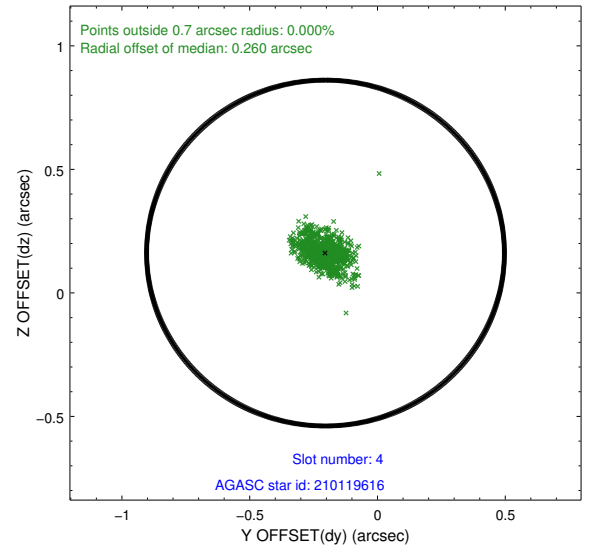
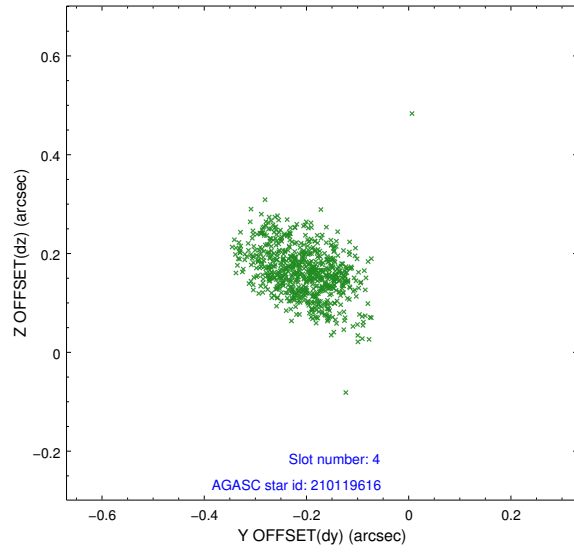
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	361	0.011	-0.071	0.012	0.029	0.000000	0.000000	935.87	-1728.03
1	FID	ACIS-S-4	7.20	361	0.031	0.048	0.012	0.025	0.000000	0.000000	2155.80	171.64
2	FID	ACIS-S-5	7.23	361	-0.068	0.035	0.009	0.016	0.000000	0.000000	-1807.31	170.29
3	GUIDE	208421840	9.21	719	-0.057	-0.001	0.110	0.192	287.570311	16.918850	-787.27	-2337.02
4	GUIDE	210119616	7.68	722	-0.203	0.161	0.082	0.133	288.118619	18.001946	-2278.16	1725.80
5	GUIDE	210120944	8.41	722	0.007	0.086	0.054	0.087	288.245736	17.506735	-694.79	806.27
6	GUIDE	209585448	7.94	721	-0.005	-0.054	0.047	0.075	288.114724	16.850123	695.58	-1161.54
7	GUIDE	209596088	9.38	720	0.263	-0.184	0.112	0.198	288.150718	16.305149	2194.14	-2438.27

2.4 Star Slots

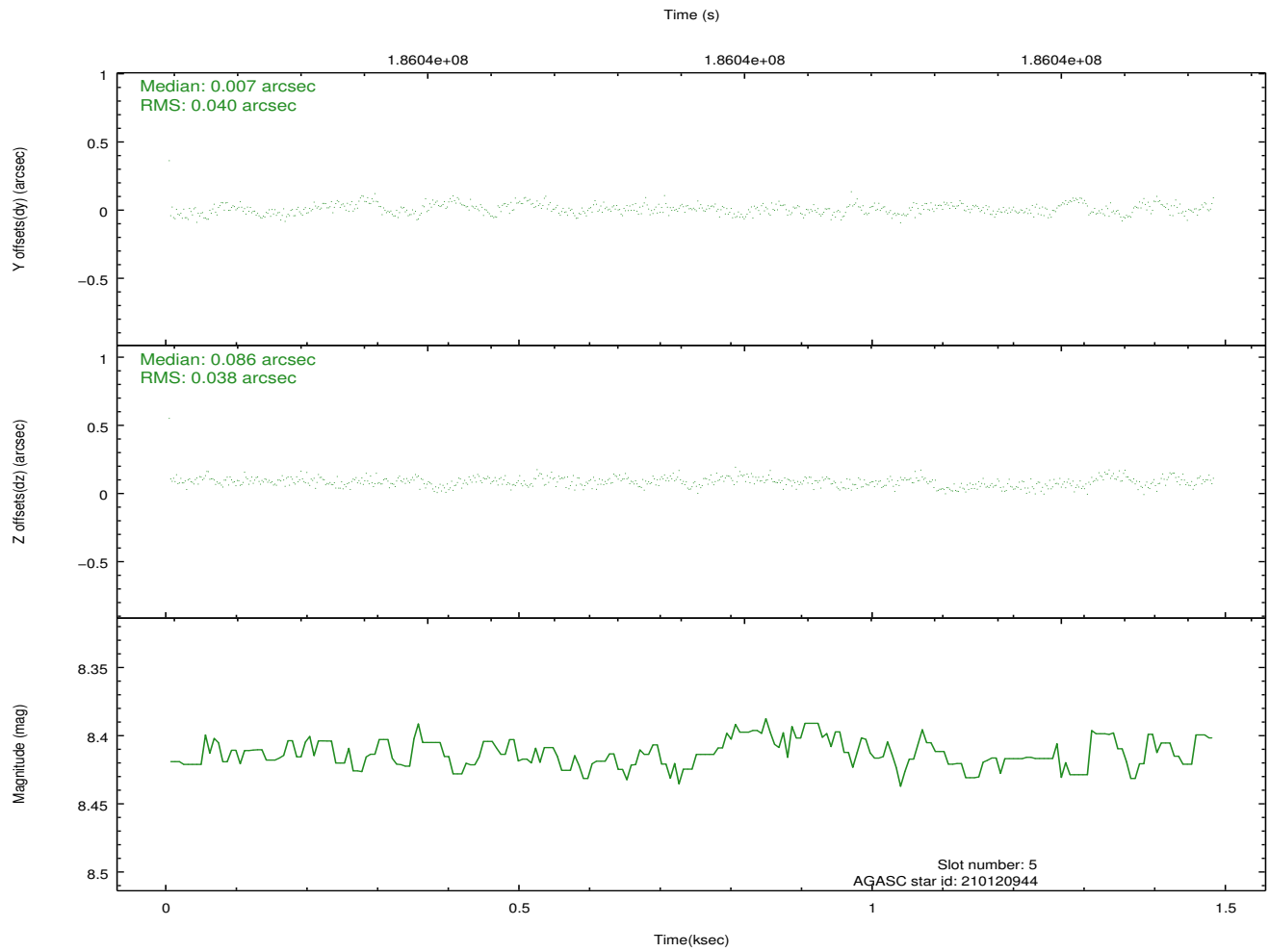
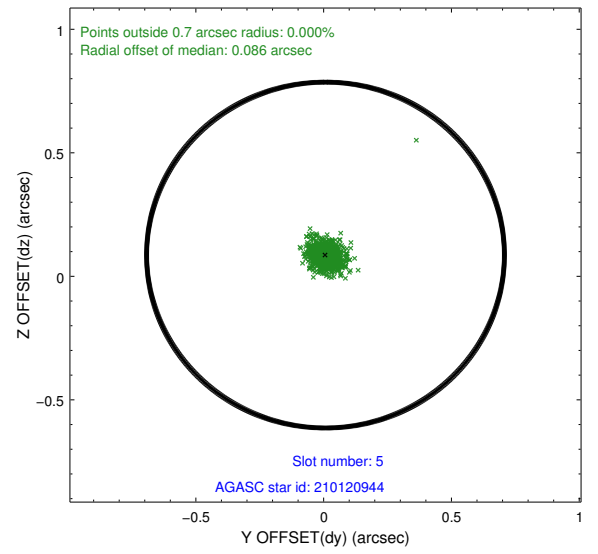
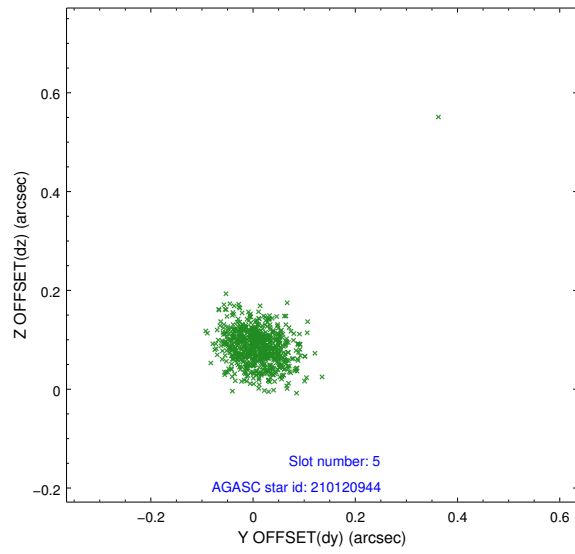
2.4.1 Slot 3



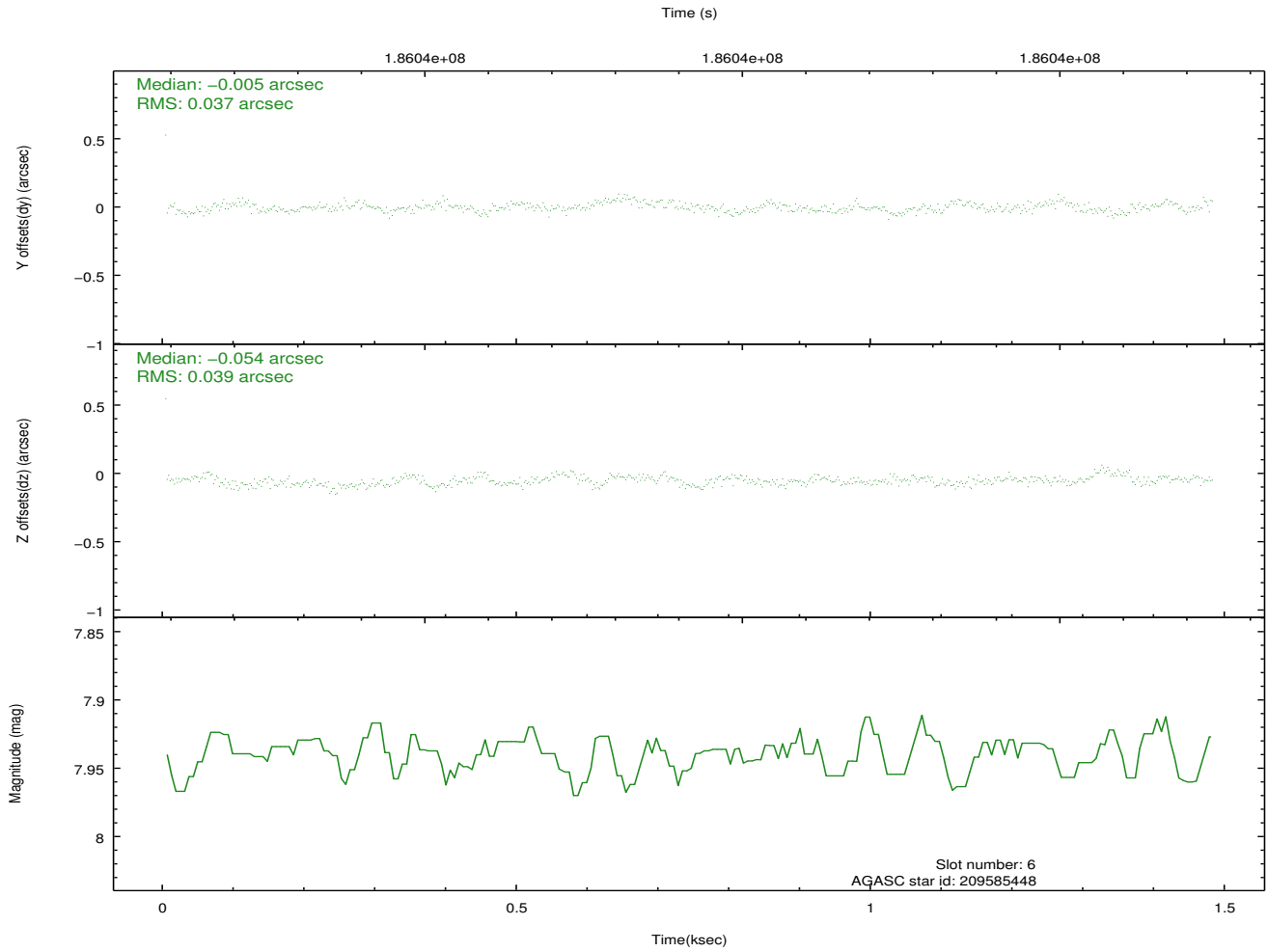
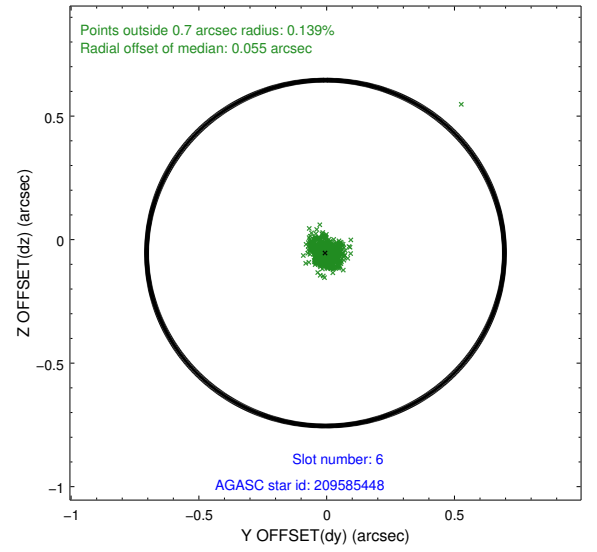
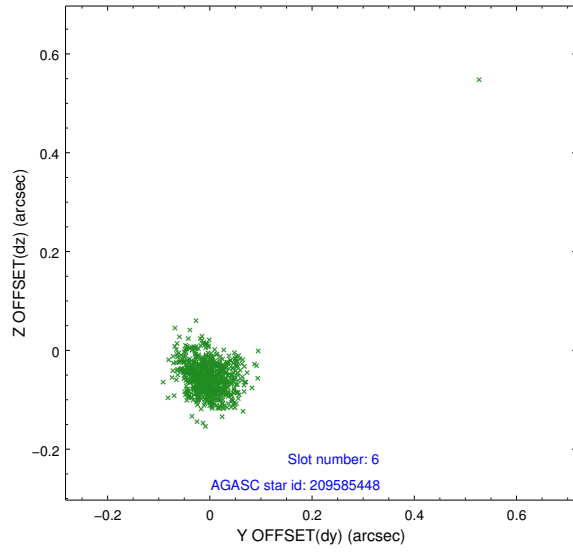
2.4.2 Slot 4



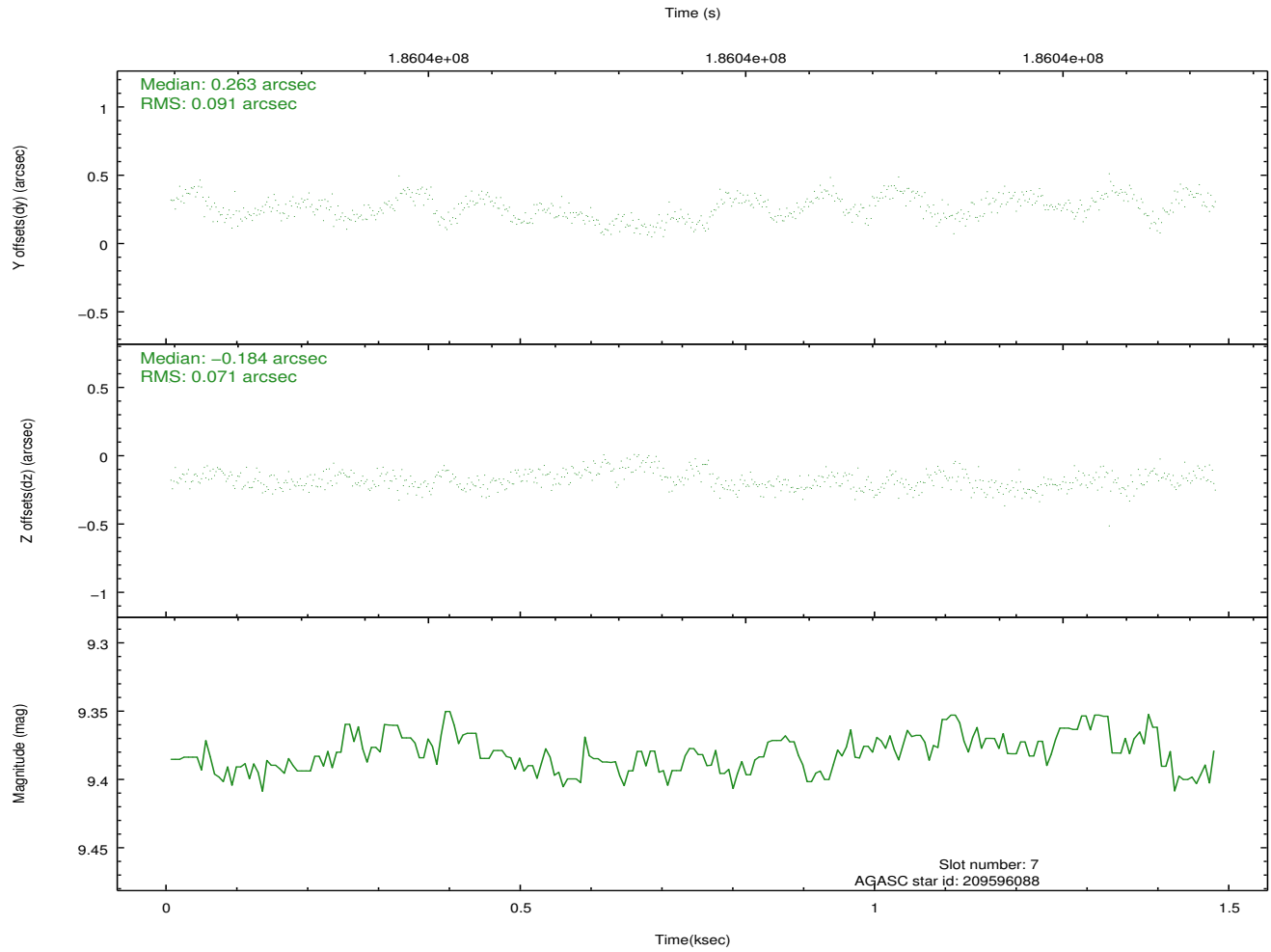
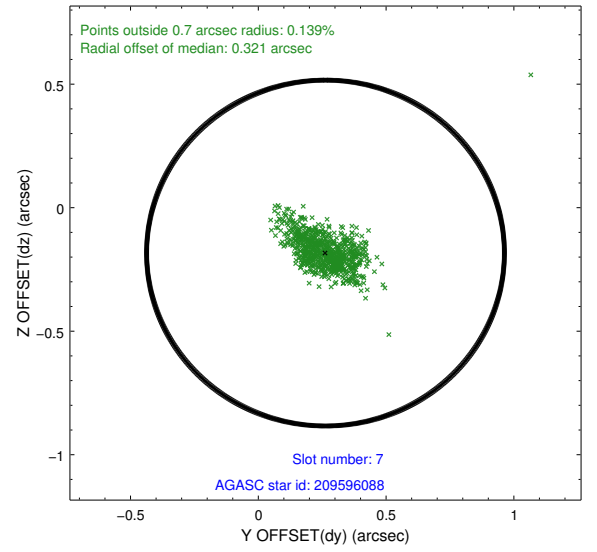
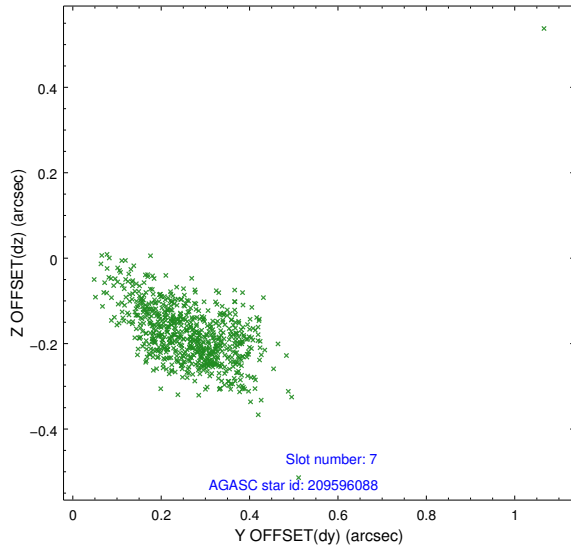
2.4.3 Slot 5



2.4.4 Slot 6

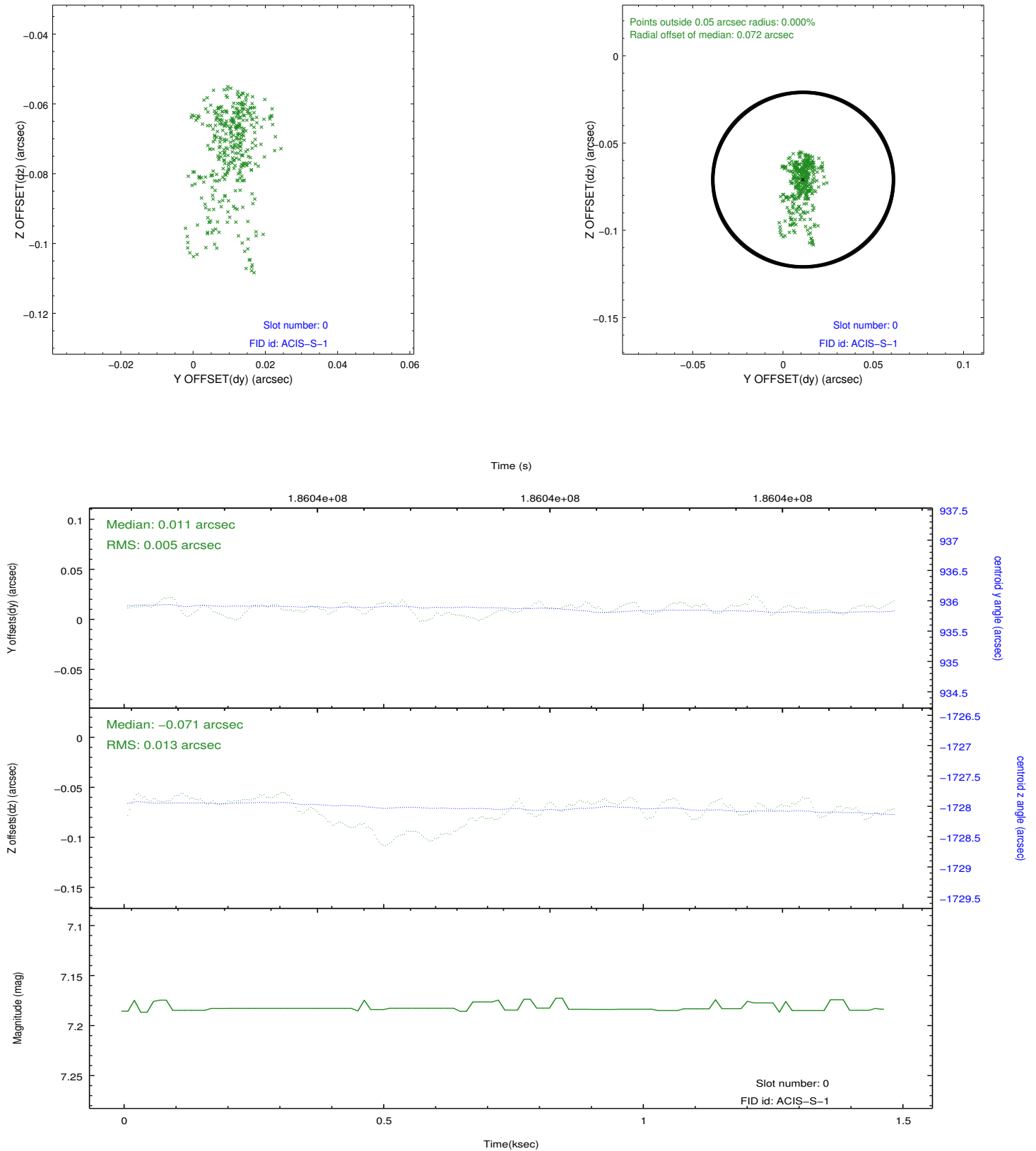


2.4.5 Slot 7

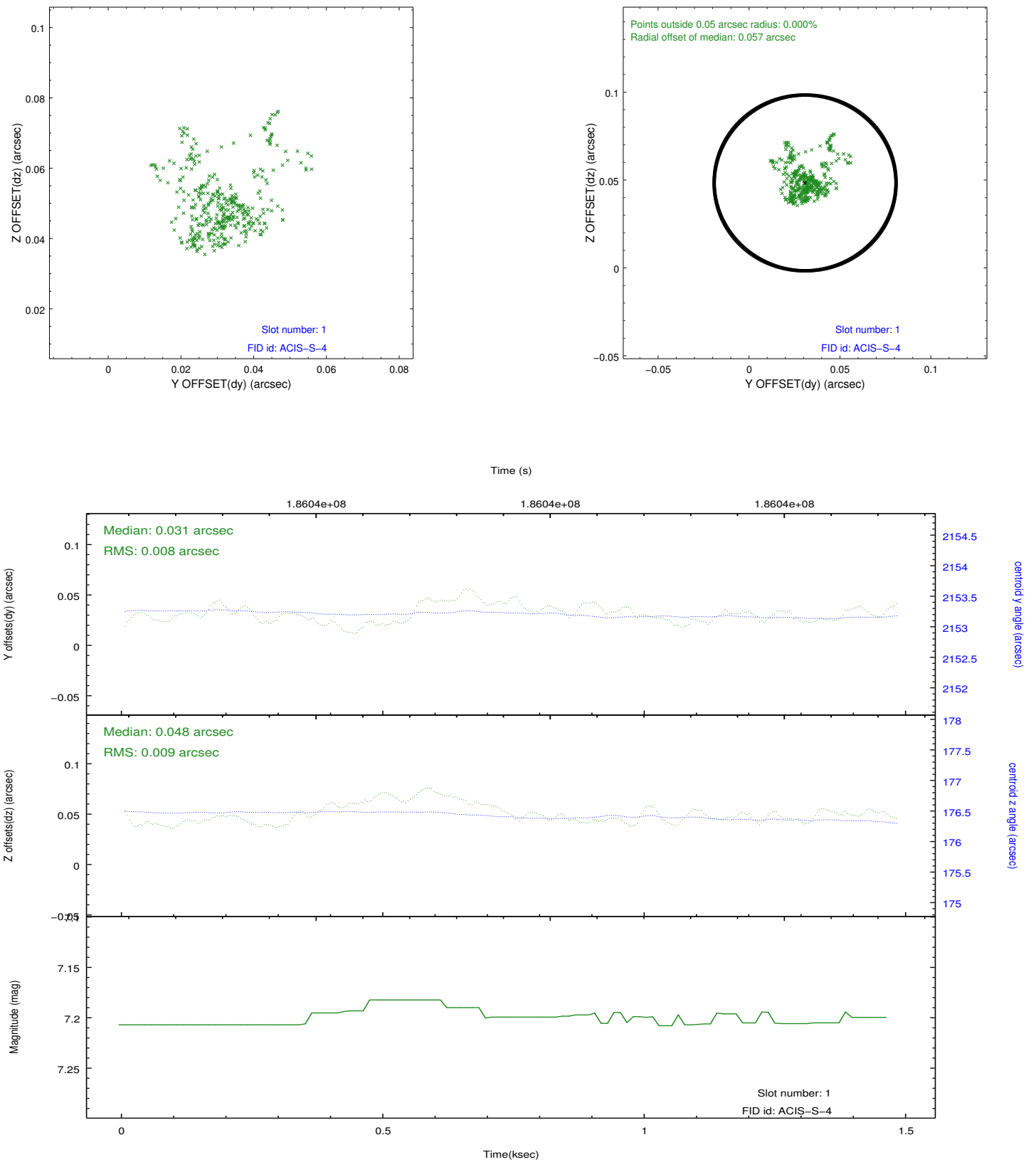


2.5 FID Slots

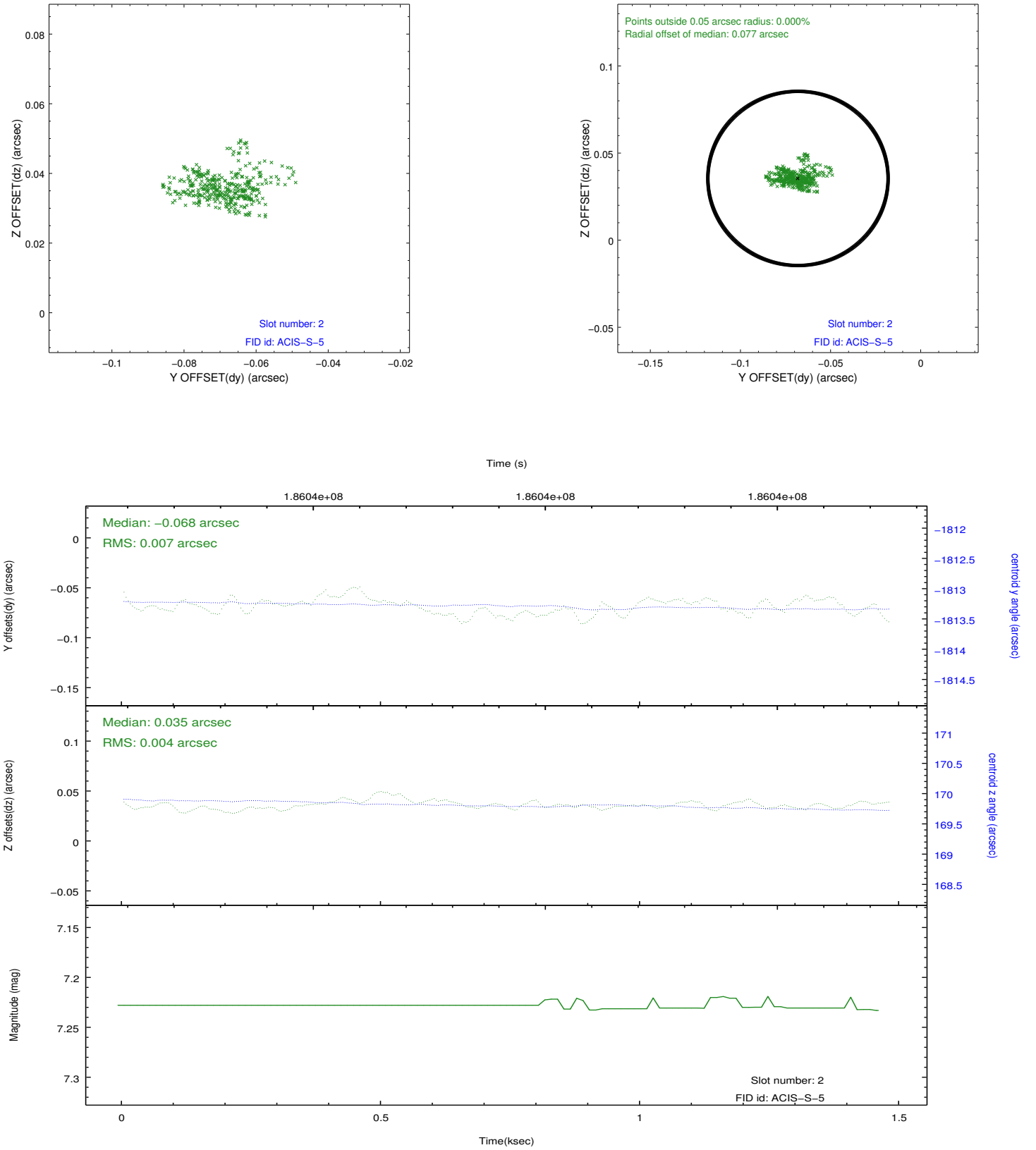
2.5.1 Slot 0



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)	2012.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.478

A.2 Comments