

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5258 - L2 Version 3
Chandra X-Ray Center

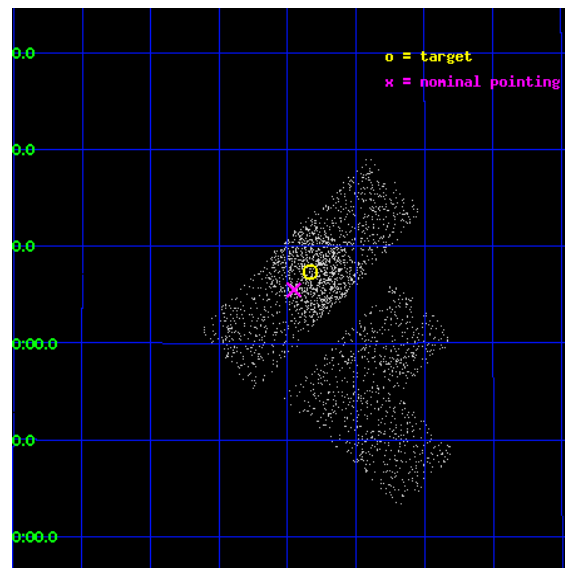
L2 Processing Date : Nov 8 2012

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1 Front

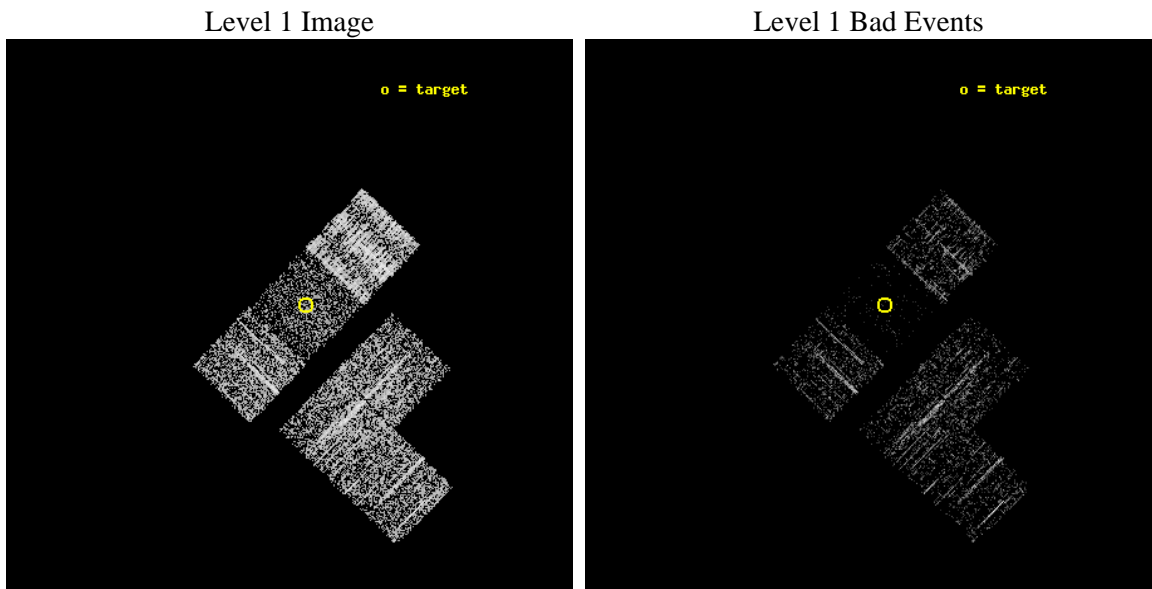
seq_num	100051	Sequence number
obs_id	5258	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.08384	Observer's specified target RA [deg]
dec_targ	17.12353	Observer's specified target Dec [deg]
ra_nom	288.11347704873	Nominal RA [deg]
dec_nom	17.091935977926	Nominal Dec [deg]
roll_nom	314.14788415872	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1475.1999945045	Sum of GTIs [s]
livetime	1456.5201239152	Livetime [s]
ontime0	1475.1999945045	Sum of GTIs [s]
ontime2	1475.1999945045	Sum of GTIs [s]
ontime3	1475.1999945045	Sum of GTIs [s]
ontime6	1475.1999945045	Sum of GTIs [s]
ontime7	1475.1999945045	Sum of GTIs [s]
ontime8	1475.1999945045	Sum of GTIs [s]
l2events	2813	Number of level 2 events



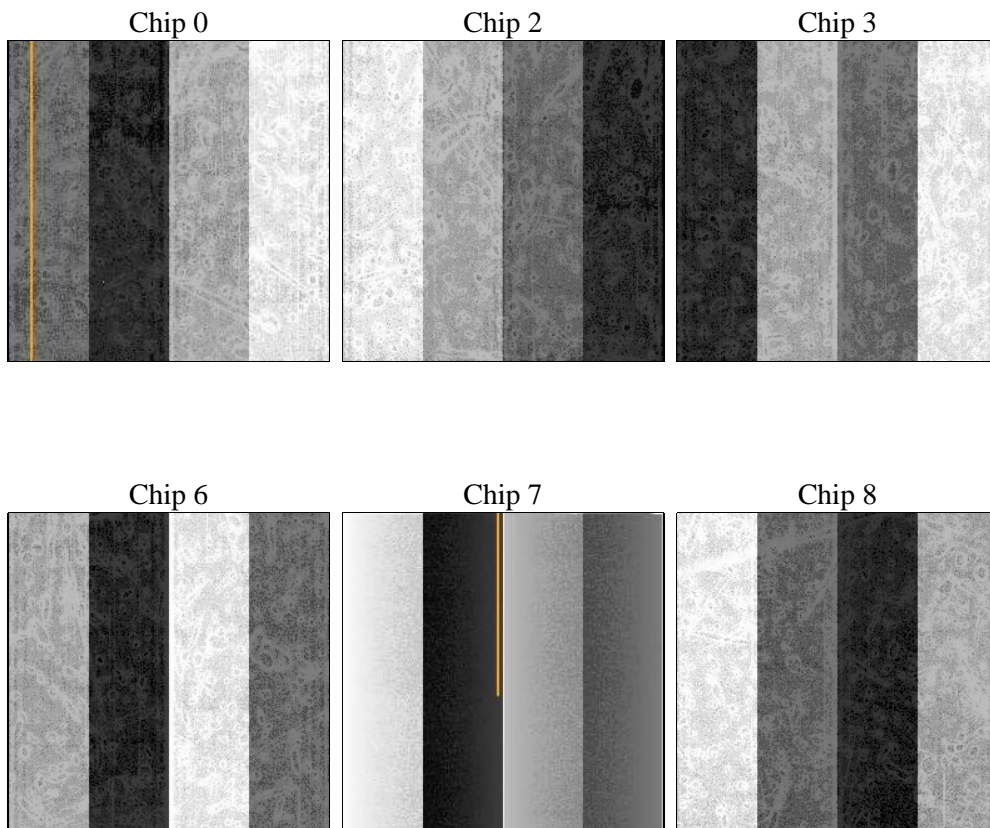
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1290.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1475.1999945045	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1475.1999945045	Sum of GTIs [s]
date	2012-11-08T02:26:50	Date and time of file creation	ontime2	1475.1999945045	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1475.1999945045	Sum of GTIs [s]
			ontime6	1475.1999945045	Sum of GTIs [s]
			ontime7	1475.1999945045	Sum of GTIs [s]
			ontime8	1475.1999945045	Sum of GTIs [s]
			l1events	39577	Number of level 1 events

2.1.4 Events

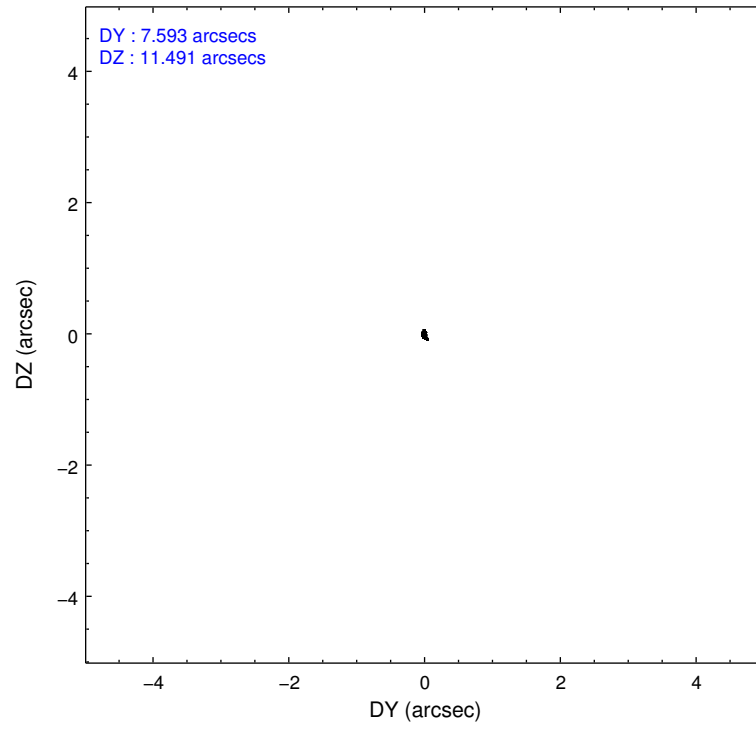
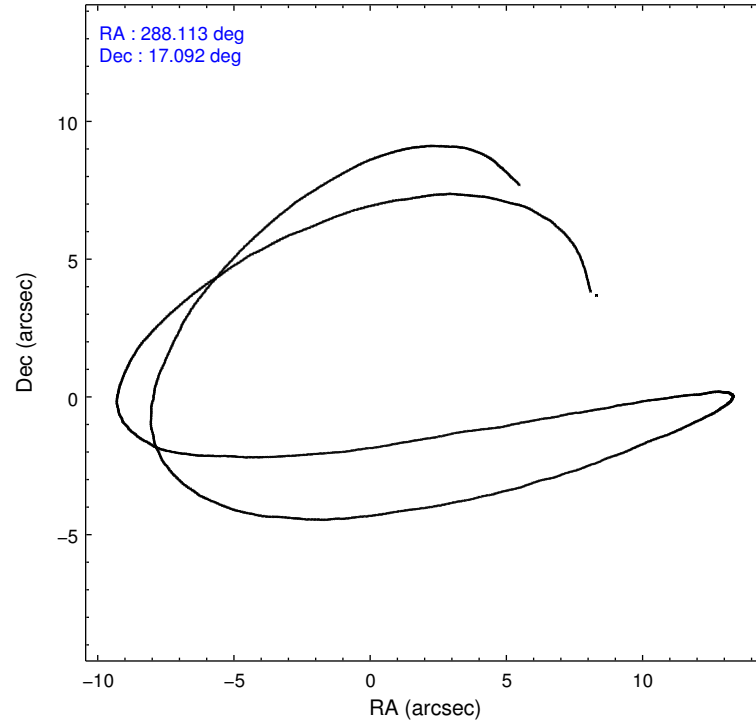
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5725	6545	6058	6322	2293	12634
rejected events	5235	6017	5674	5859	989	7290
rejected %	91%	91%	93%	92%	43%	57%

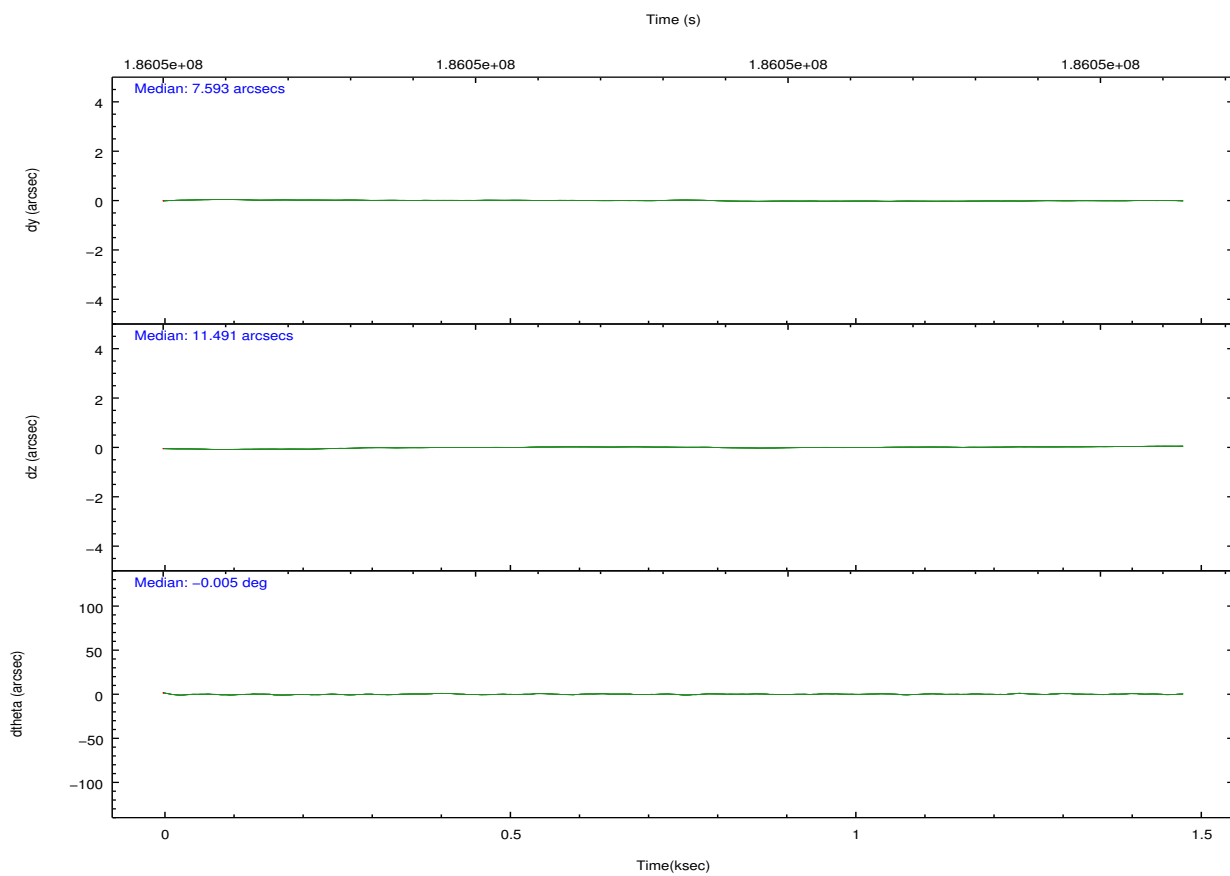
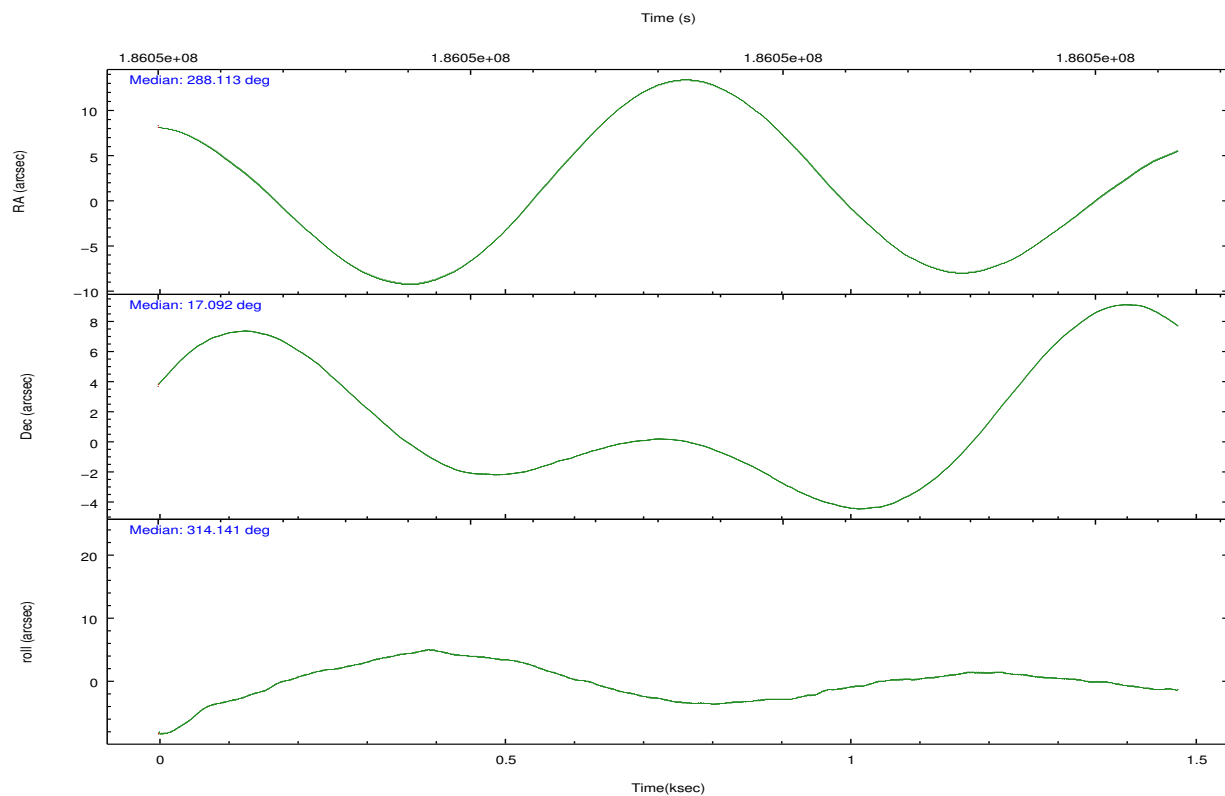
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	263	304	225	259	411	1912
	4%	4%	3%	4%	17%	15%
grade 1 events	7	2	5	4	10	14
	0%	0%	0%	0%	0%	0%
grade 2 events	161	146	76	158	430	1024
	2%	2%	1%	2%	18%	8%
grade 3 events	57	42	62	50	183	1125
	0%	0%	1%	0%	7%	8%
grade 4 events	45	81	46	54	166	996
	0%	1%	0%	0%	7%	7%
grade 5 events	49	34	42	61	170	207
	0%	0%	0%	0%	7%	1%
grade 6 events	56	68	60	51	406	1570
	0%	1%	0%	0%	17%	12%
grade 7 events	5087	5868	5542	5685	517	5786
	88%	89%	91%	89%	22%	45%

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	288.086223	288.1134770487329	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.098626	17.09193597792577	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999294	314.1478841587223	[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)	186046264.184000	186045888.43157			
Observation start date	2003-11-24T07:30:00	2003-11-24T07:24:48			
[s] Observation end time (MET)	186047554.184000	186047688.33165			
Observation end date	2003-11-24T07:51:30	2003-11-24T07:54:48			
Read mode	TIMED	TIMED			

2.3 Aspect



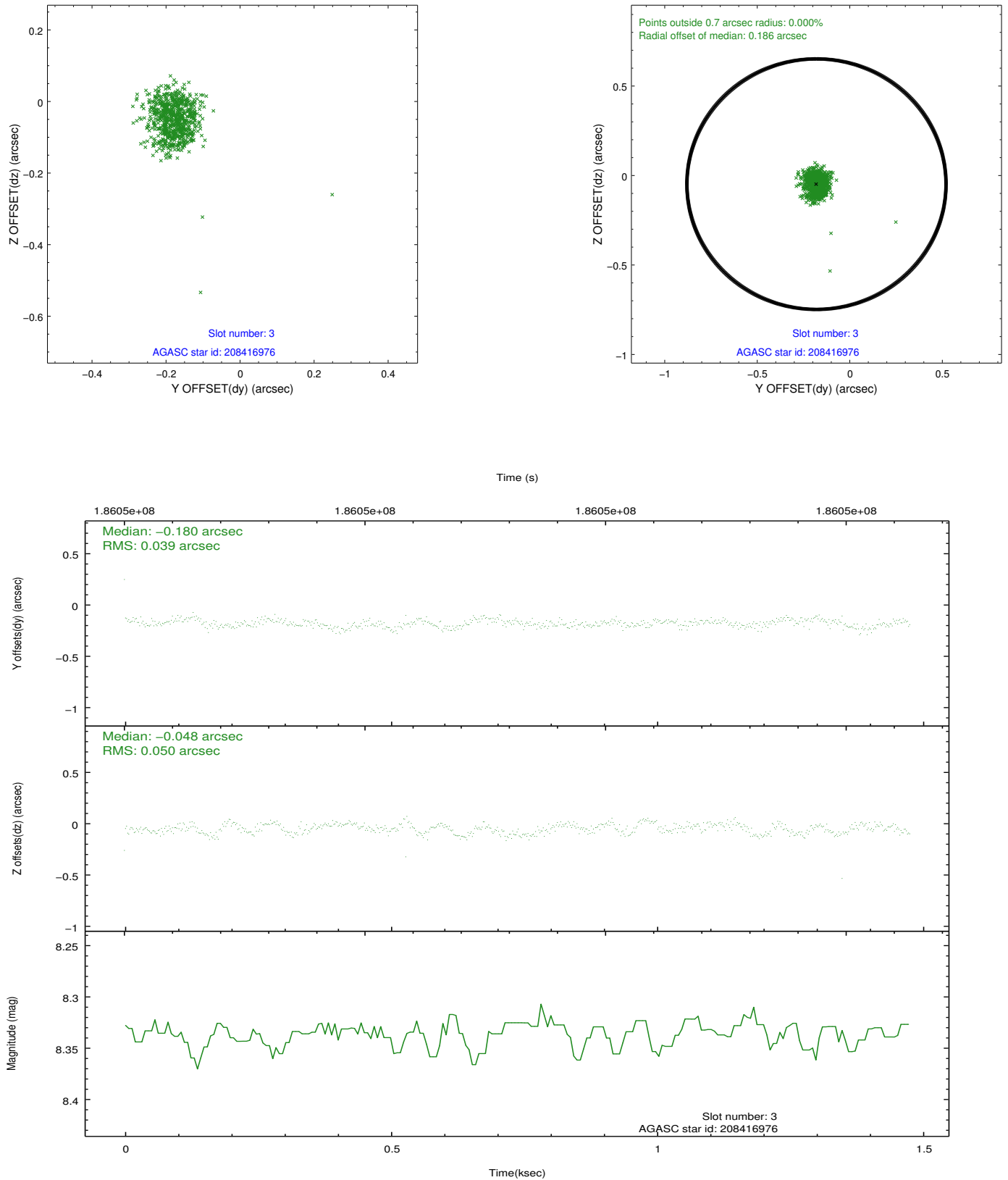


Slot Statistics

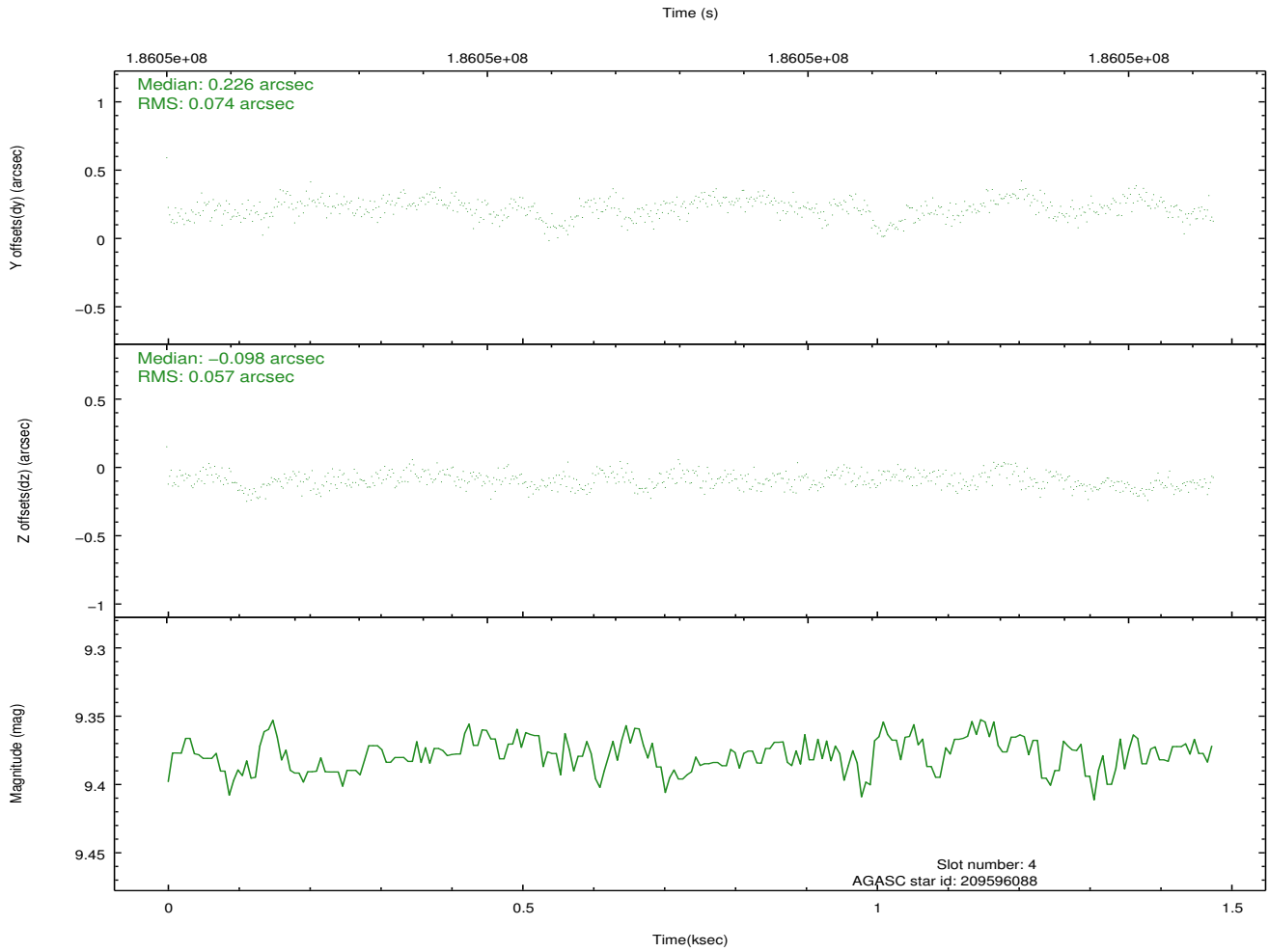
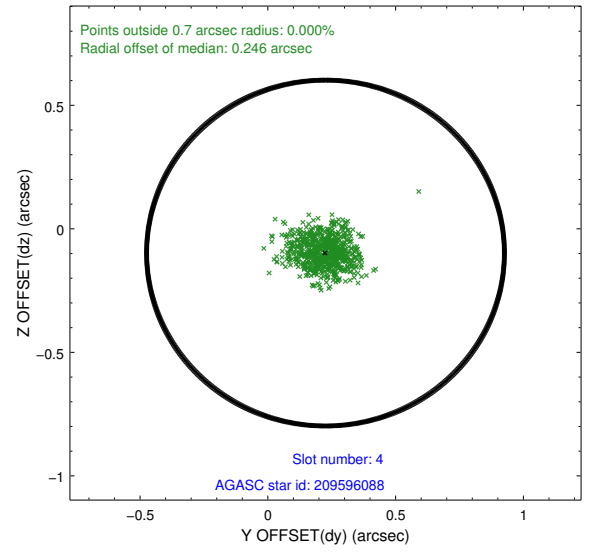
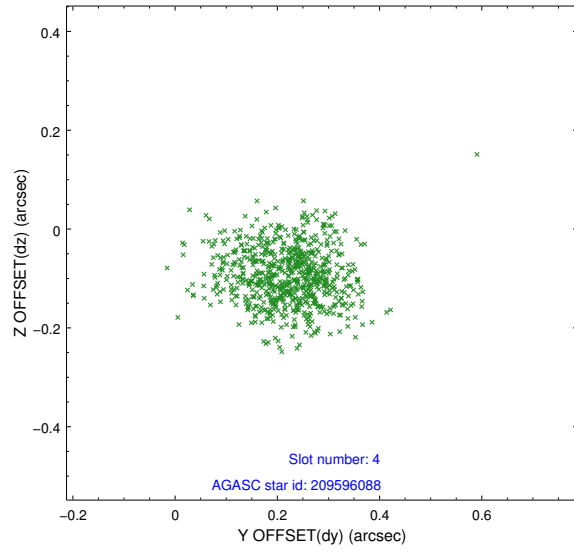
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	361	0.024	-0.073	0.006	0.012	0.000000	0.000000	935.68	-1728.48
1	FID	ACIS-S-4	7.20	361	0.030	0.044	0.005	0.011	0.000000	0.000000	2155.61	171.15
2	FID	ACIS-S-5	7.23	360	-0.080	0.042	0.005	0.011	0.000000	0.000000	-1807.50	169.86
3	GUIDE	208416976	8.34	721	-0.180	-0.048	0.062	0.097	287.326965	17.073967	-1752.85	-1938.36
4	GUIDE	209596088	9.38	720	0.226	-0.098	0.099	0.153	288.150718	16.305149	2209.56	-1826.63
5	GUIDE	210119616	7.69	721	-0.168	0.084	0.070	0.122	288.118619	18.001946	-2257.86	2336.10
6	GUIDE	210120944	8.41	721	0.054	0.096	0.060	0.095	288.245736	17.506735	-677.95	1417.85
7	GUIDE	209585448	7.94	720	0.078	-0.039	0.051	0.083	288.114724	16.850123	713.77	-549.03

2.4 Star Slots

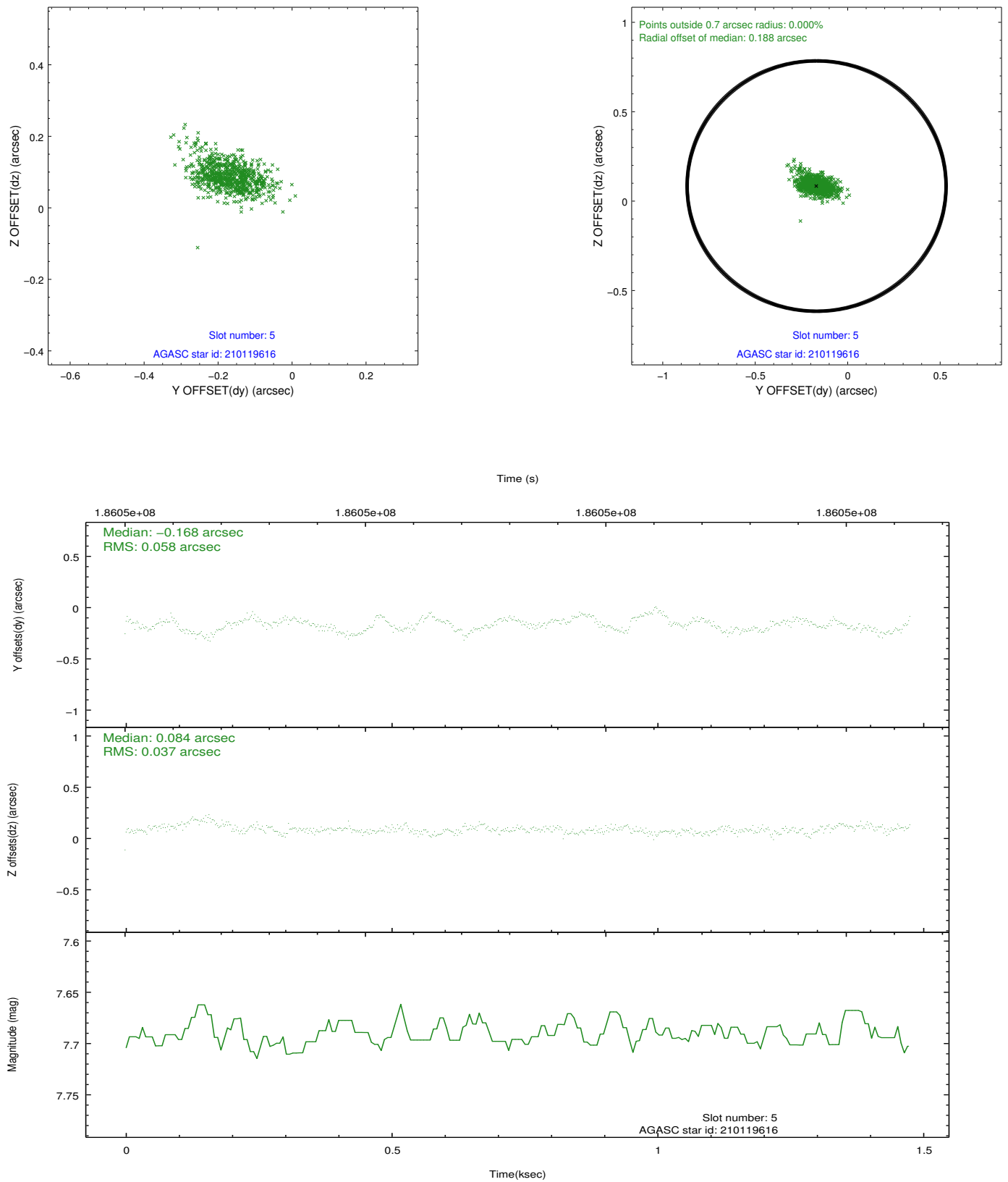
2.4.1 Slot 3



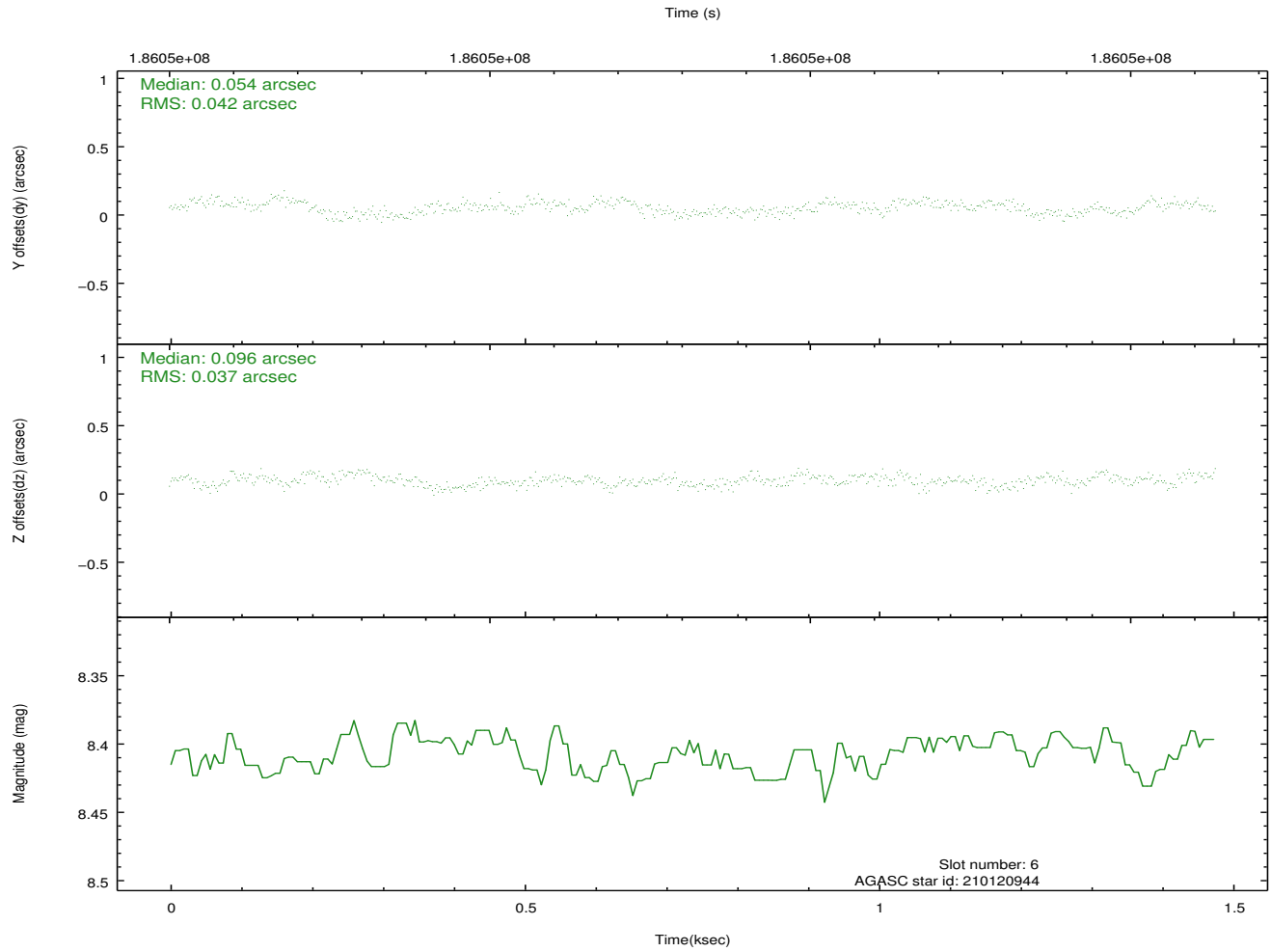
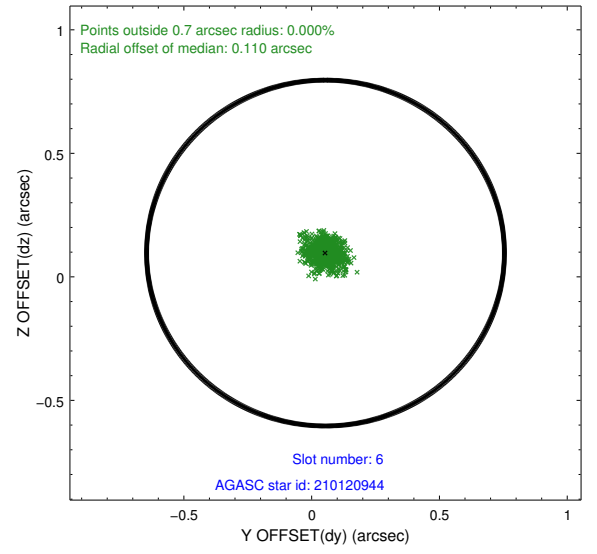
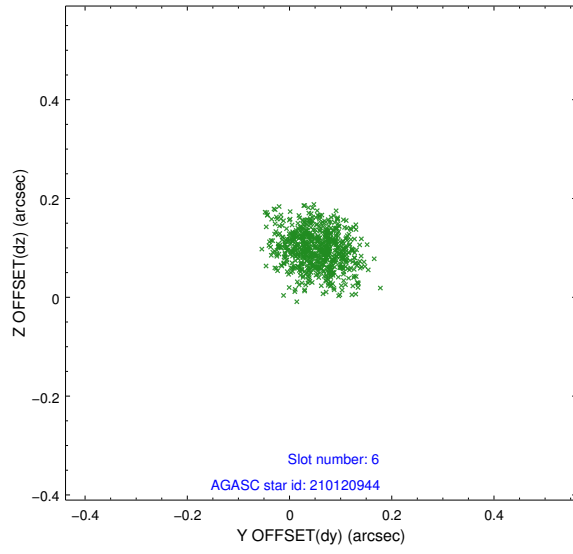
2.4.2 Slot 4



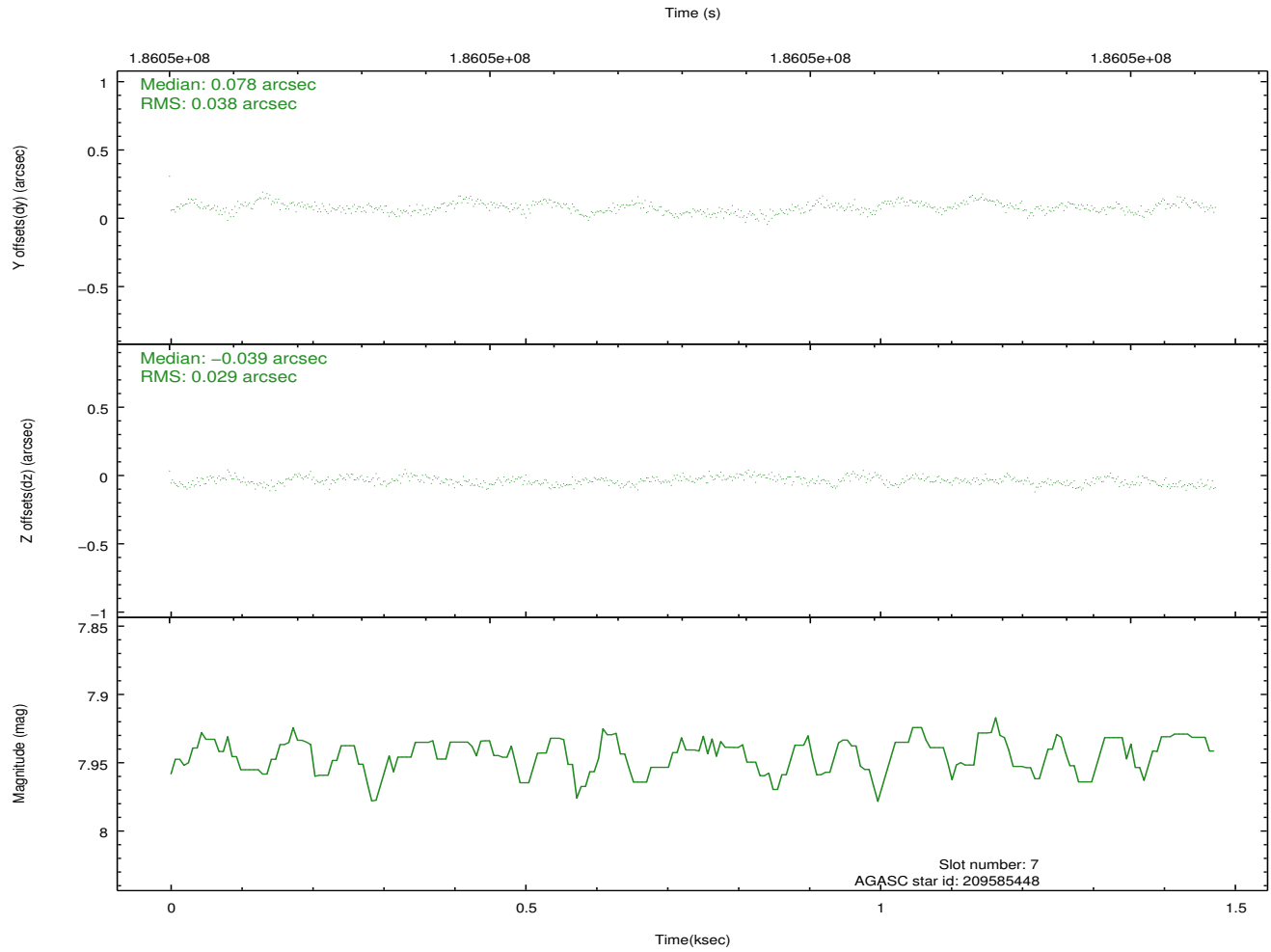
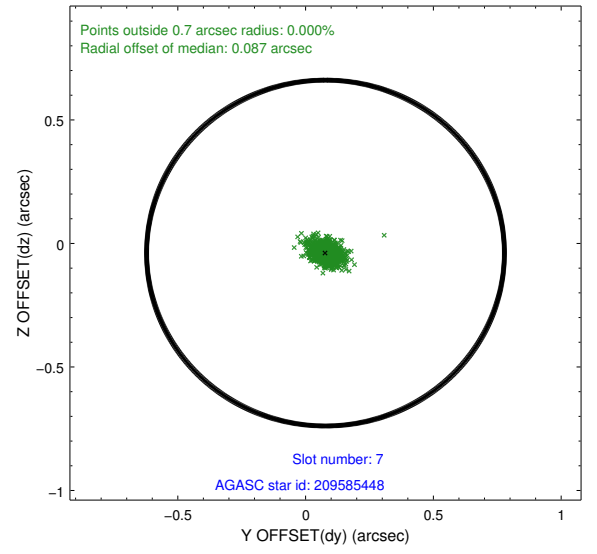
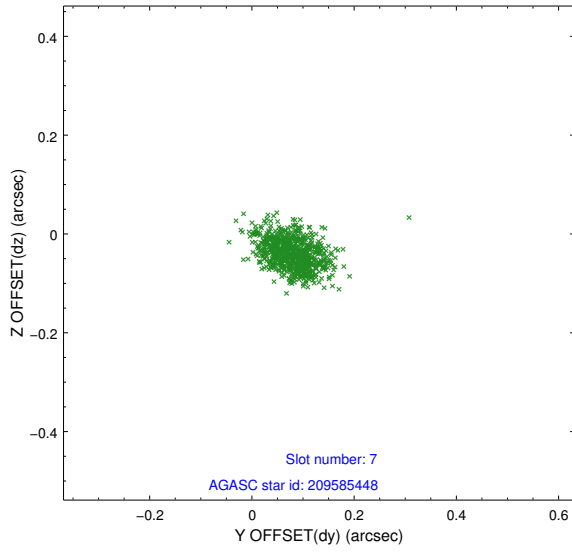
2.4.3 Slot 5



2.4.4 Slot 6

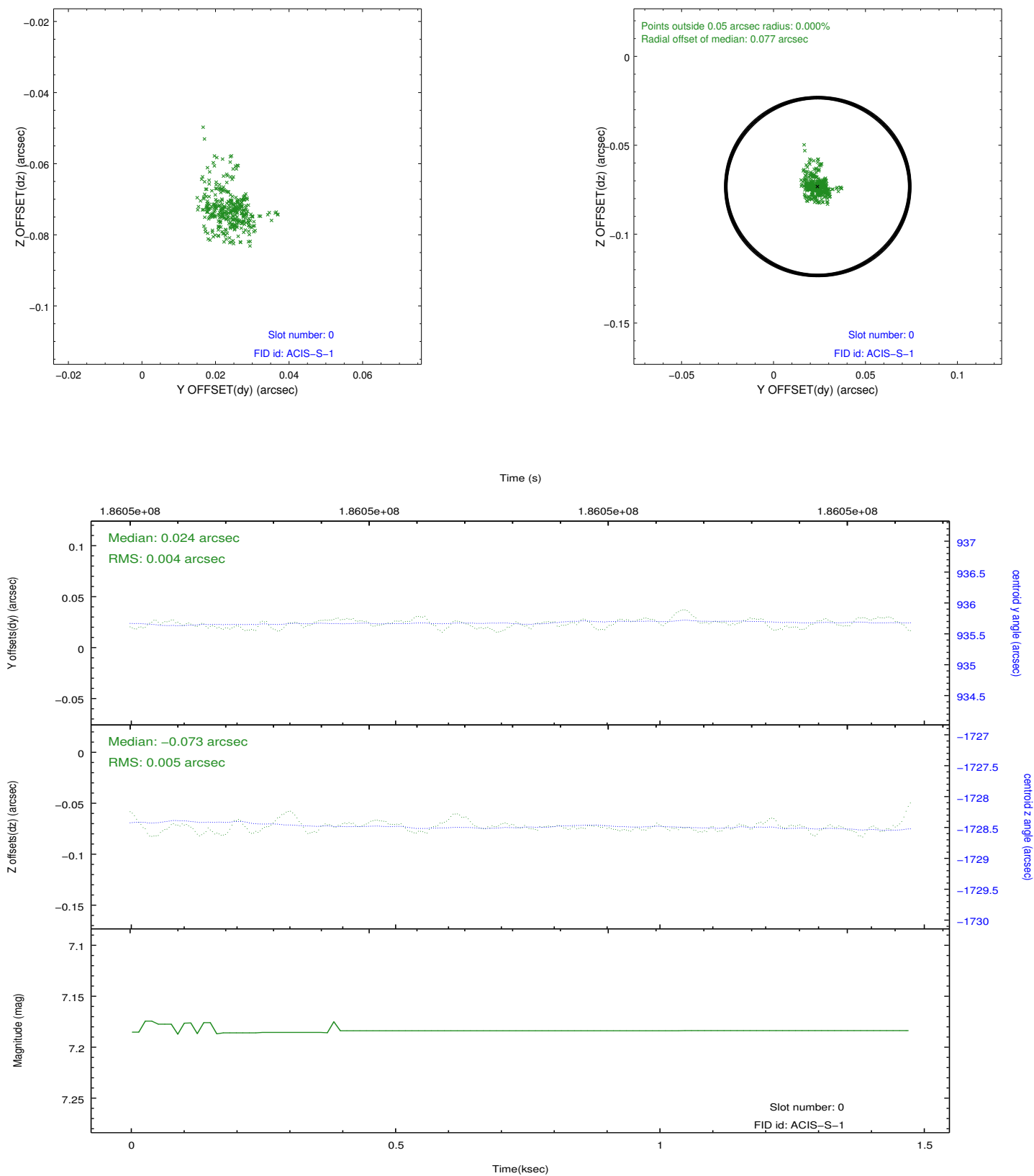


2.4.5 Slot 7

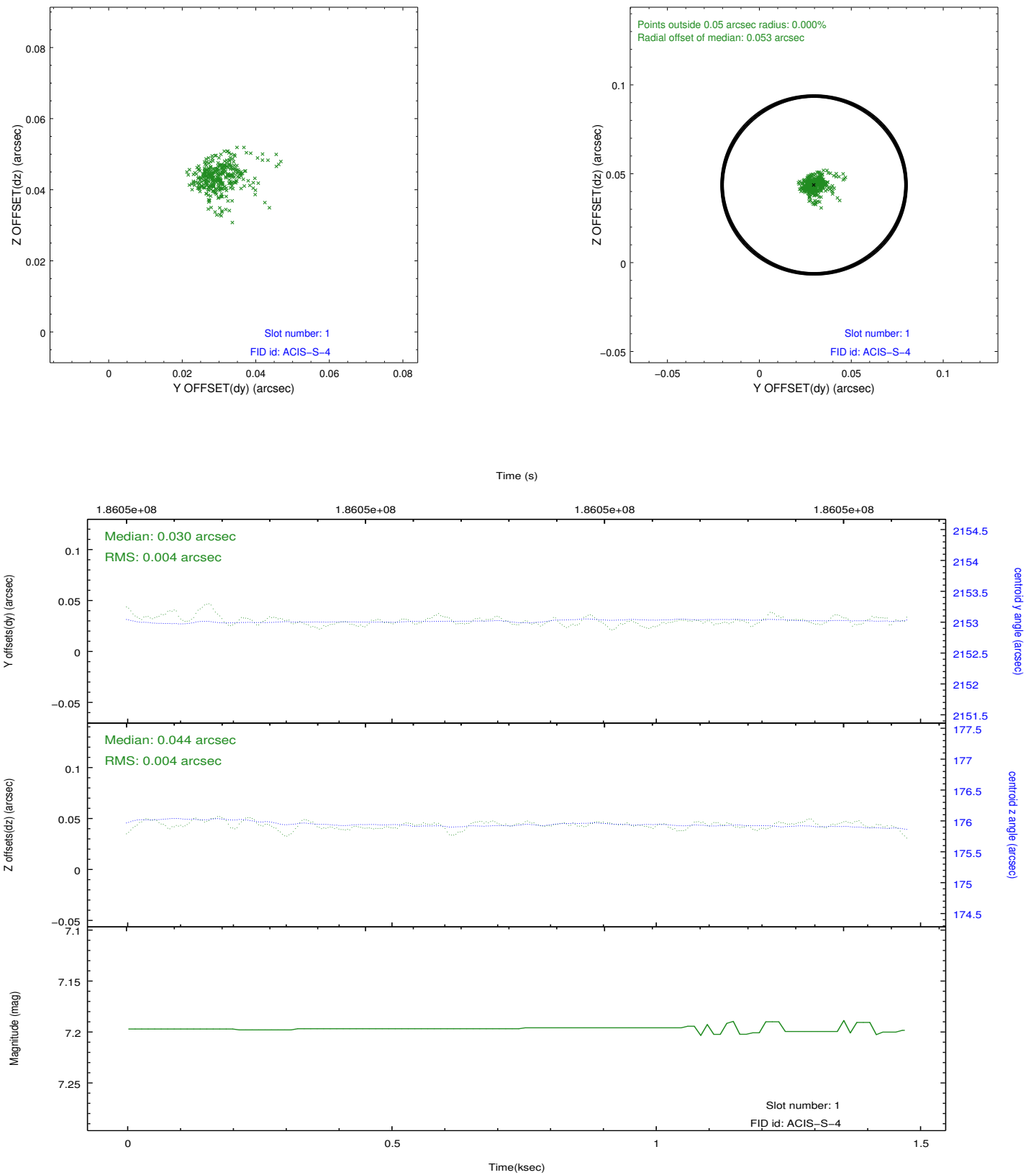


2.5 FID Slots

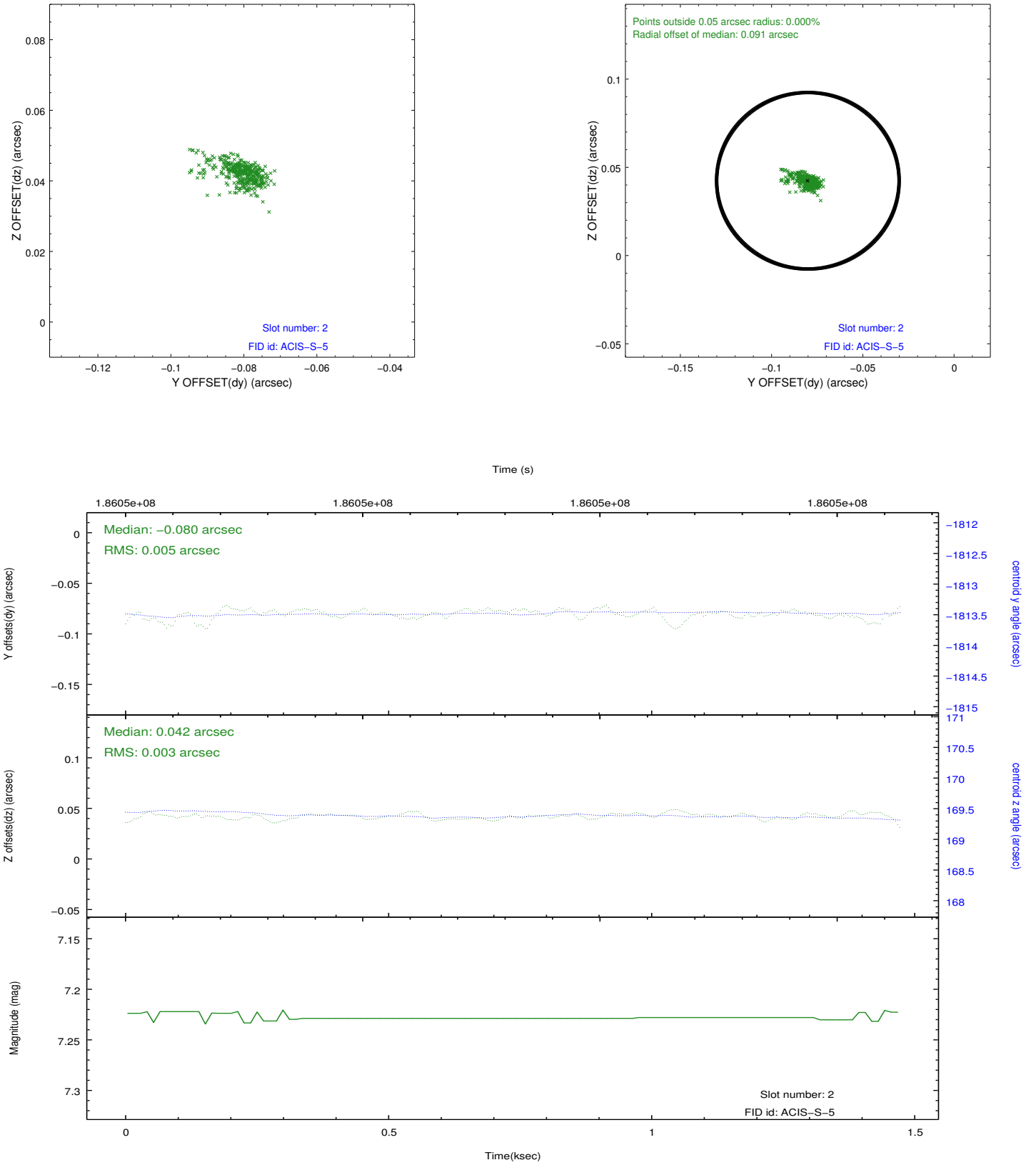
2.5.1 Slot 0



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)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.475

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.