

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5257 - L2 Version 3
Chandra X-Ray Center

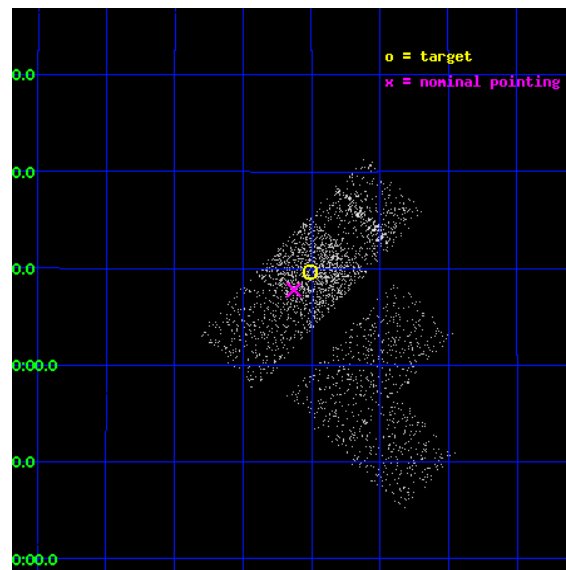
L2 Processing Date : Nov 7 2012

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1 Front

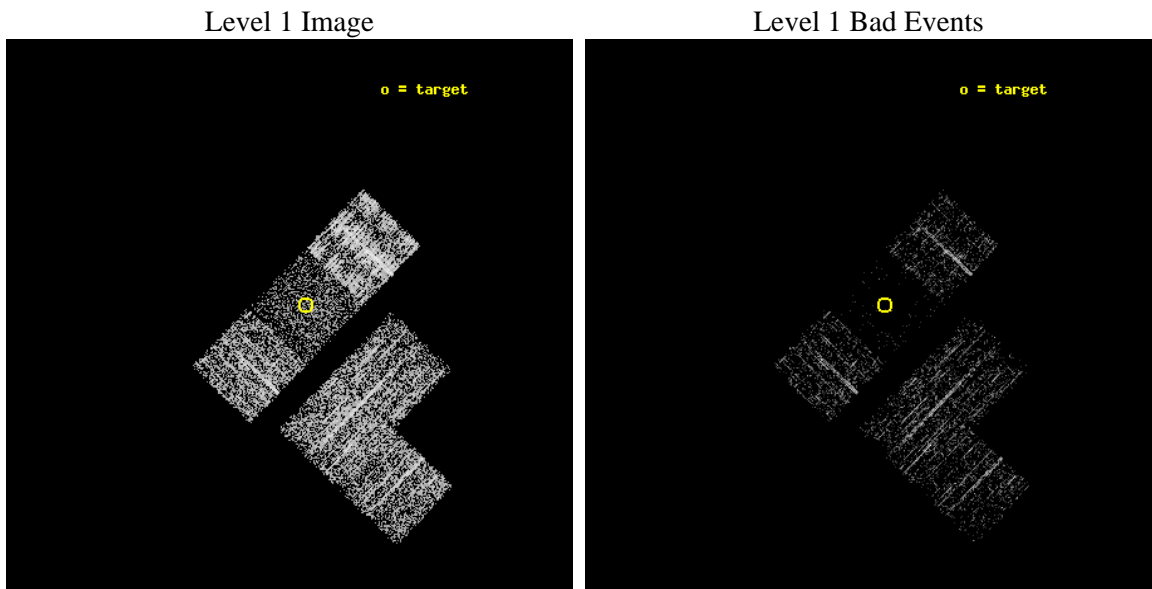
seq_num	100051	Sequence number
obs_id	5257	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	288.12754	Observer's specified target RA [deg]
dec_targ	17.16178	Observer's specified target Dec [deg]
ra_nom	288.15718609773	Nominal RA [deg]
dec_nom	17.129928995852	Nominal Dec [deg]
roll_nom	314.14789434257	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1471.9999945164	Sum of GTIs [s]
livetime	1453.3606442538	Livetime [s]
ontime0	1471.9999945164	Sum of GTIs [s]
ontime2	1471.9999945164	Sum of GTIs [s]
ontime3	1471.9999945164	Sum of GTIs [s]
ontime6	1471.9999945164	Sum of GTIs [s]
ontime7	1471.9999945164	Sum of GTIs [s]
ontime8	1471.9999945164	Sum of GTIs [s]
l2events	3095	Number of level 2 events



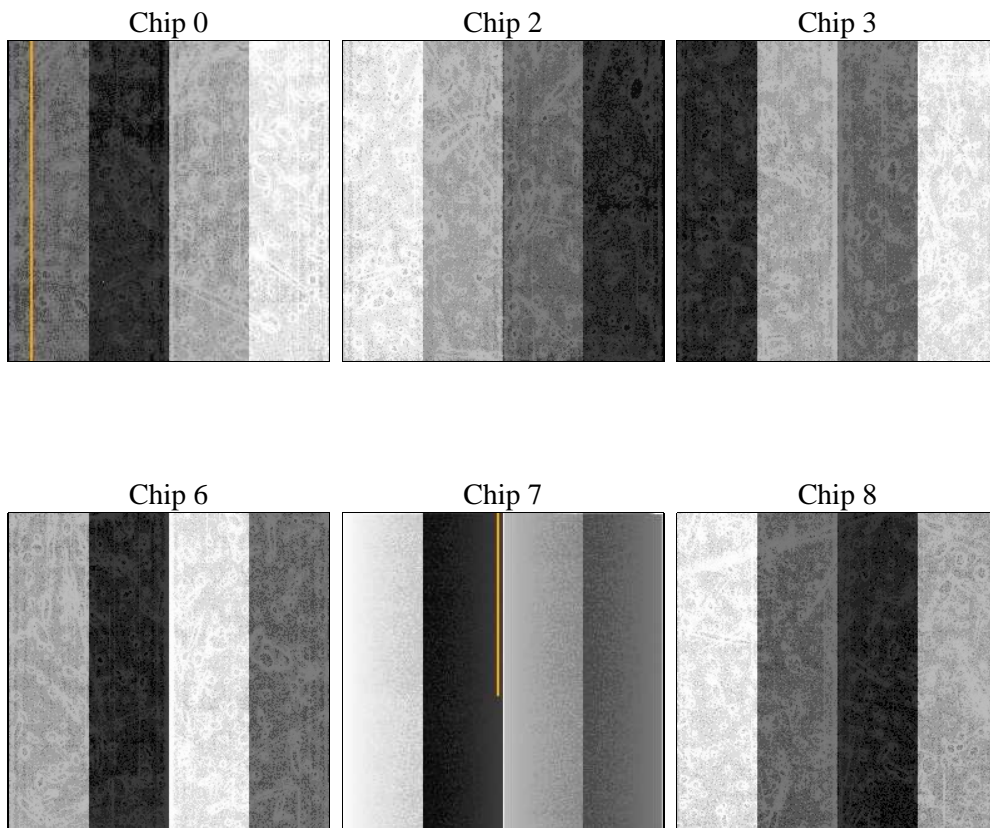
2 OBI

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	1471.9999945164	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1471.9999945164	Sum of GTIs [s]
date	2012-11-08T02:19:13	Date and time of file creation	ontime2	1471.9999945164	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1471.9999945164	Sum of GTIs [s]
			ontime6	1471.9999945164	Sum of GTIs [s]
			ontime7	1471.9999945164	Sum of GTIs [s]
			ontime8	1471.9999945164	Sum of GTIs [s]
			l1events	39541	Number of level 1 events

2.1.4 Events

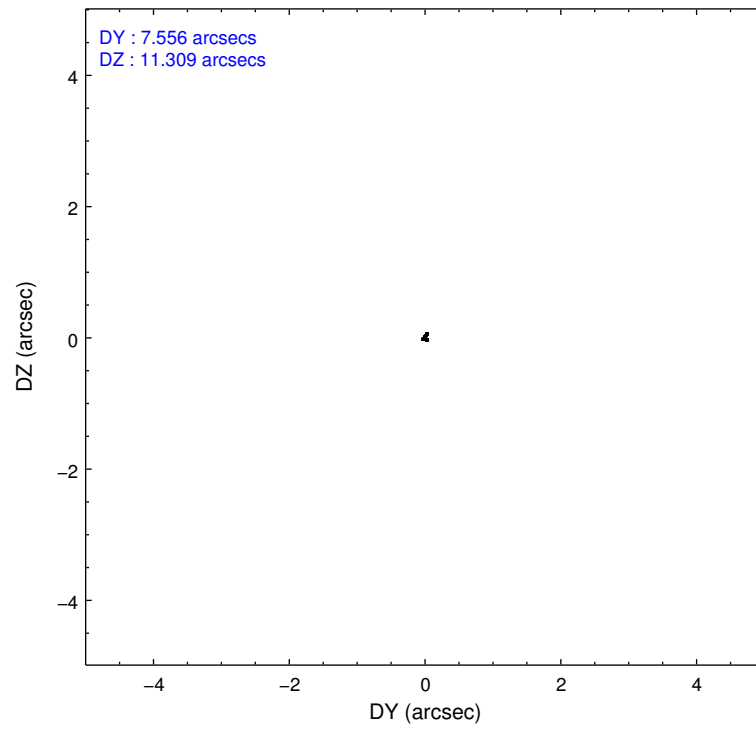
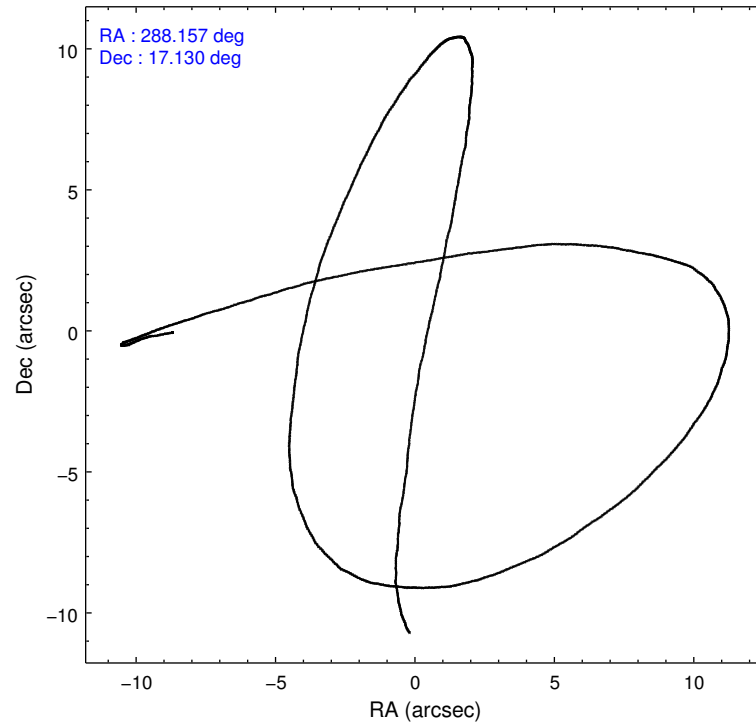
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5919	7409	5765	6676	2214	11558
rejected events	5459	6850	5446	6170	895	6466
rejected %	92%	92%	94%	92%	40%	55%

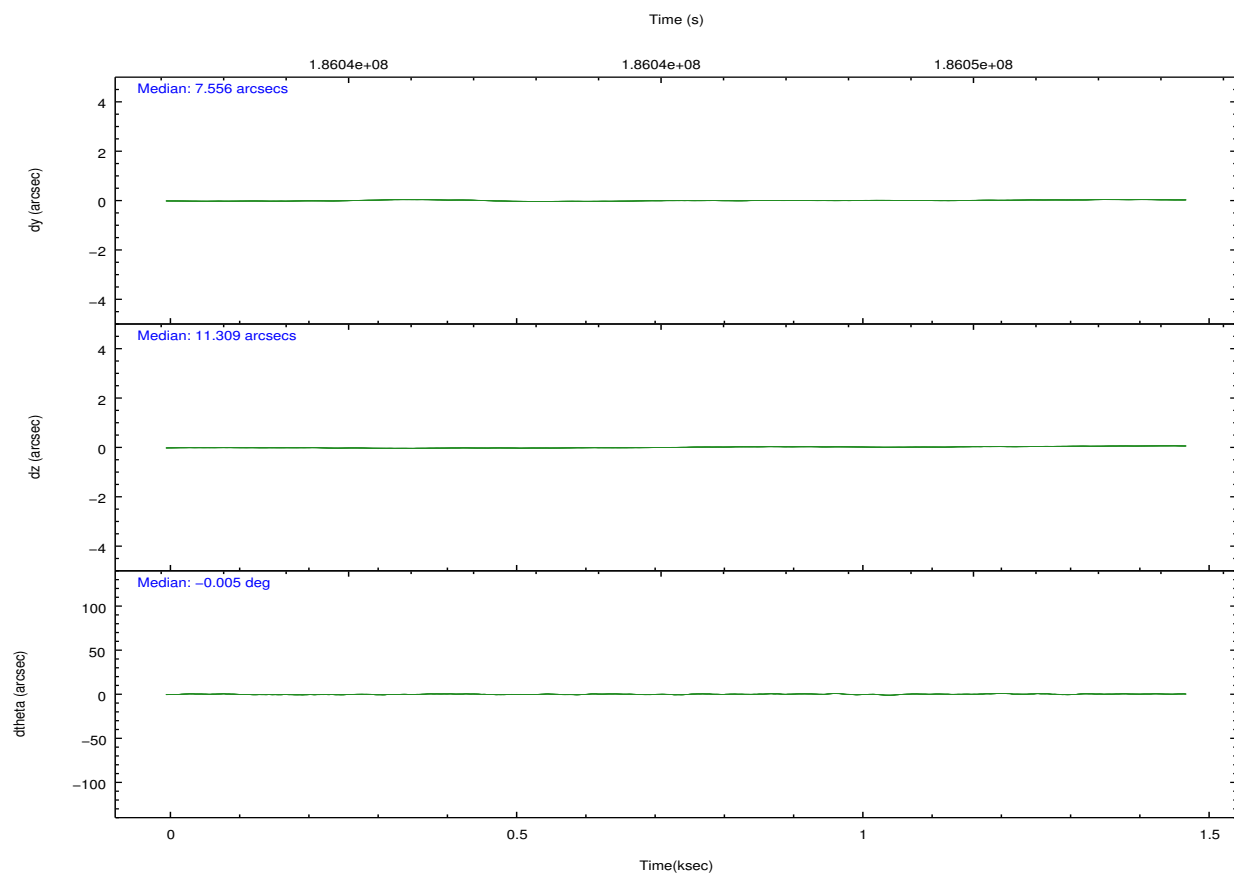
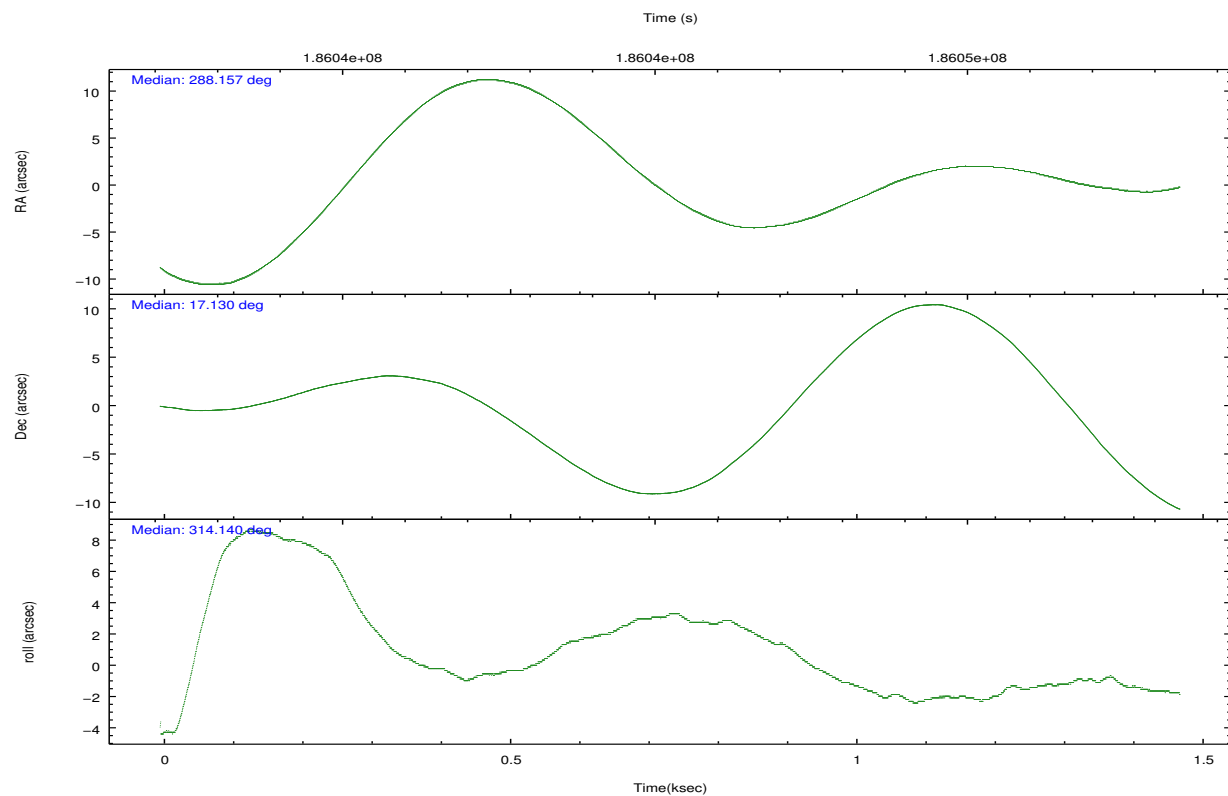
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	226	309	194	287	408	1899
	3%	4%	3%	4%	18%	16%
grade 1 events	3	3	4	6	4	16
	0%	0%	0%	0%	0%	0%
grade 2 events	157	209	76	155	434	818
	2%	2%	1%	2%	19%	7%
grade 3 events	53	55	41	62	165	1135
	0%	0%	0%	0%	7%	9%
grade 4 events	51	65	36	54	168	965
	0%	0%	0%	0%	7%	8%
grade 5 events	44	45	52	54	158	182
	0%	0%	0%	0%	7%	1%
grade 6 events	65	52	39	59	411	1359
	1%	0%	0%	0%	18%	11%
grade 7 events	5320	6671	5323	5999	466	5184
	89%	90%	92%	89%	21%	44%

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	288.129927	288.1571860977329	Subarray requested	NONE	NONE
[deg] Pointing Dec	17.136867	17.12992899585156	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999294	314.1478943425651	[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)	186044464.184000	186044088.5315			
Observation start date	2003-11-24T07:00:00	2003-11-24T06:54:48			
[s] Observation end time (MET)	186045754.184000	186045888.43157			
Observation end date	2003-11-24T07:21:30	2003-11-24T07:24:48			
Read mode	TIMED	TIMED			

2.3 Aspect



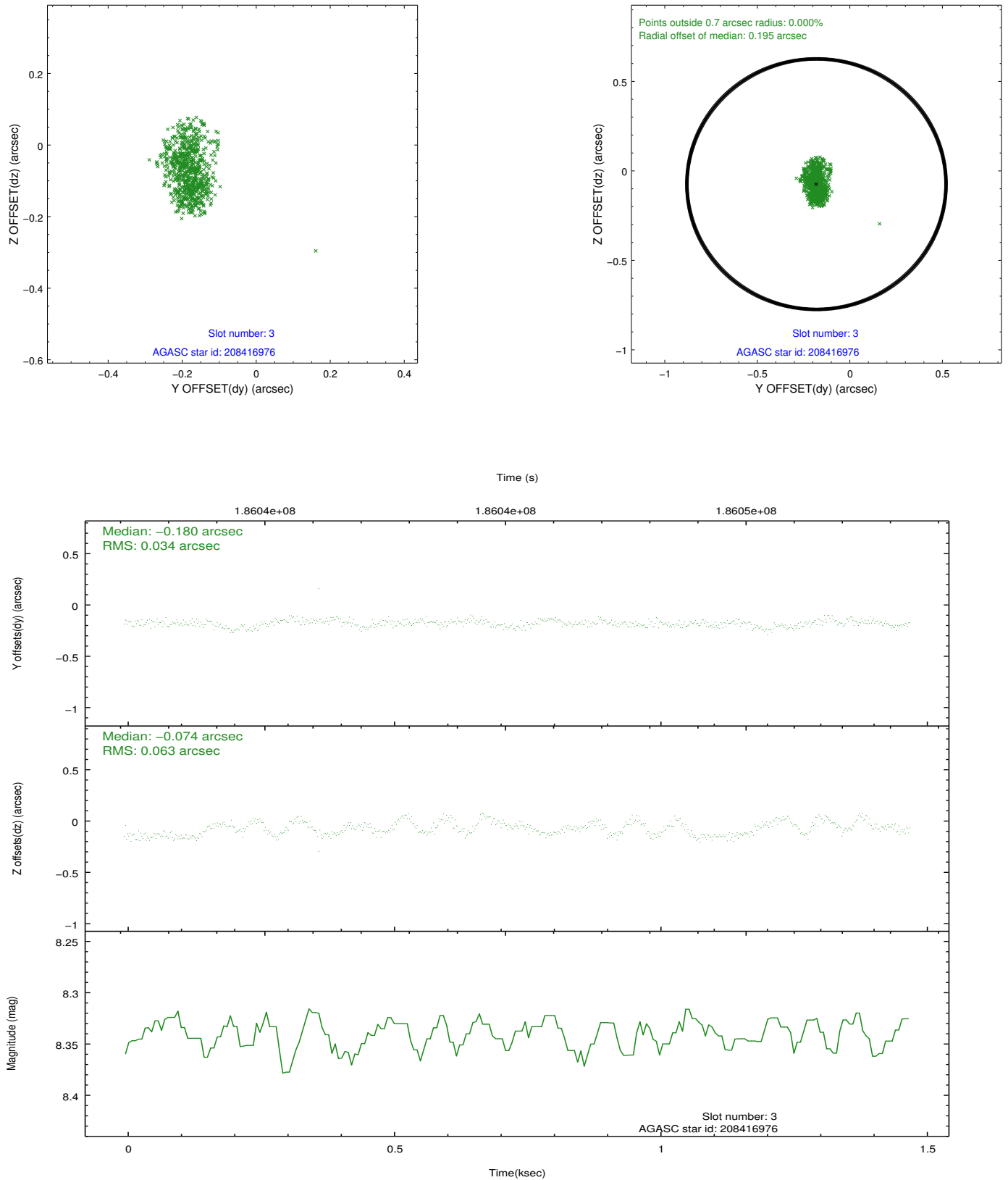


Slot Statistics

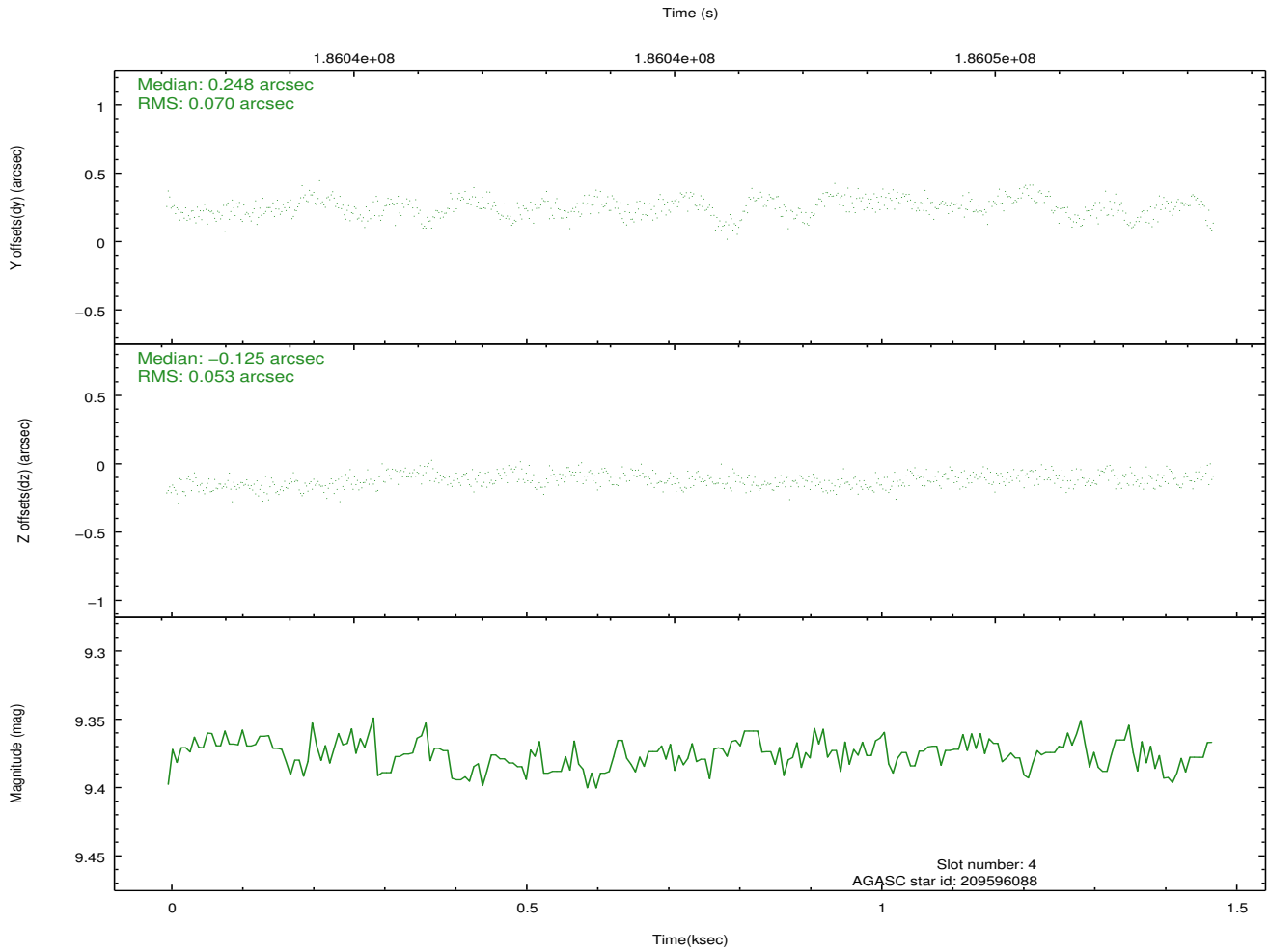
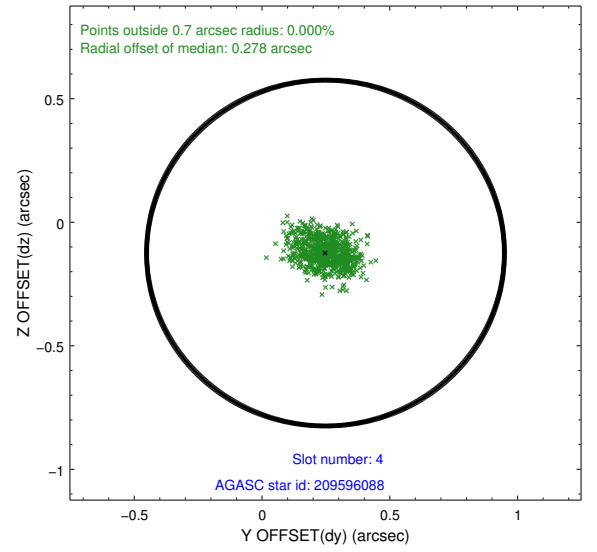
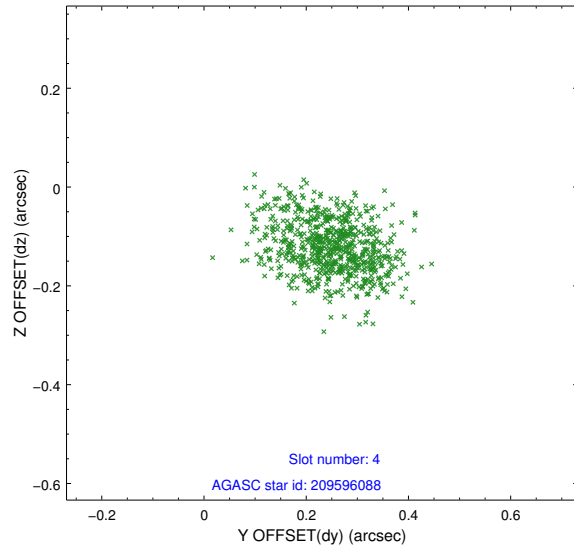
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	360	-0.024	-0.002	0.006	0.011	0.000000	0.000000	-760.33	-1732.61
1	FID	ACIS-S-4	7.20	360	0.052	0.012	0.004	0.009	0.000000	0.000000	2150.96	171.27
2	FID	ACIS-S-5	7.23	360	-0.060	-0.002	0.006	0.011	0.000000	0.000000	-1807.45	169.99
3	GUIDE	208416976	8.34	720	-0.180	-0.074	0.077	0.121	287.326965	17.073967	-1759.33	-2141.08
4	GUIDE	209596088	9.38	720	0.248	-0.125	0.094	0.152	288.150718	16.305149	2203.16	-2030.51
5	GUIDE	210119616	7.68	719	-0.179	0.124	0.068	0.118	288.118619	18.001946	-2263.36	2133.25
6	GUIDE	210120944	8.41	720	0.038	0.094	0.069	0.112	288.245736	17.506735	-683.69	1214.64
7	GUIDE	209585448	7.95	719	0.068	-0.016	0.078	0.114	288.114724	16.850123	707.60	-752.56

2.4 Star Slots

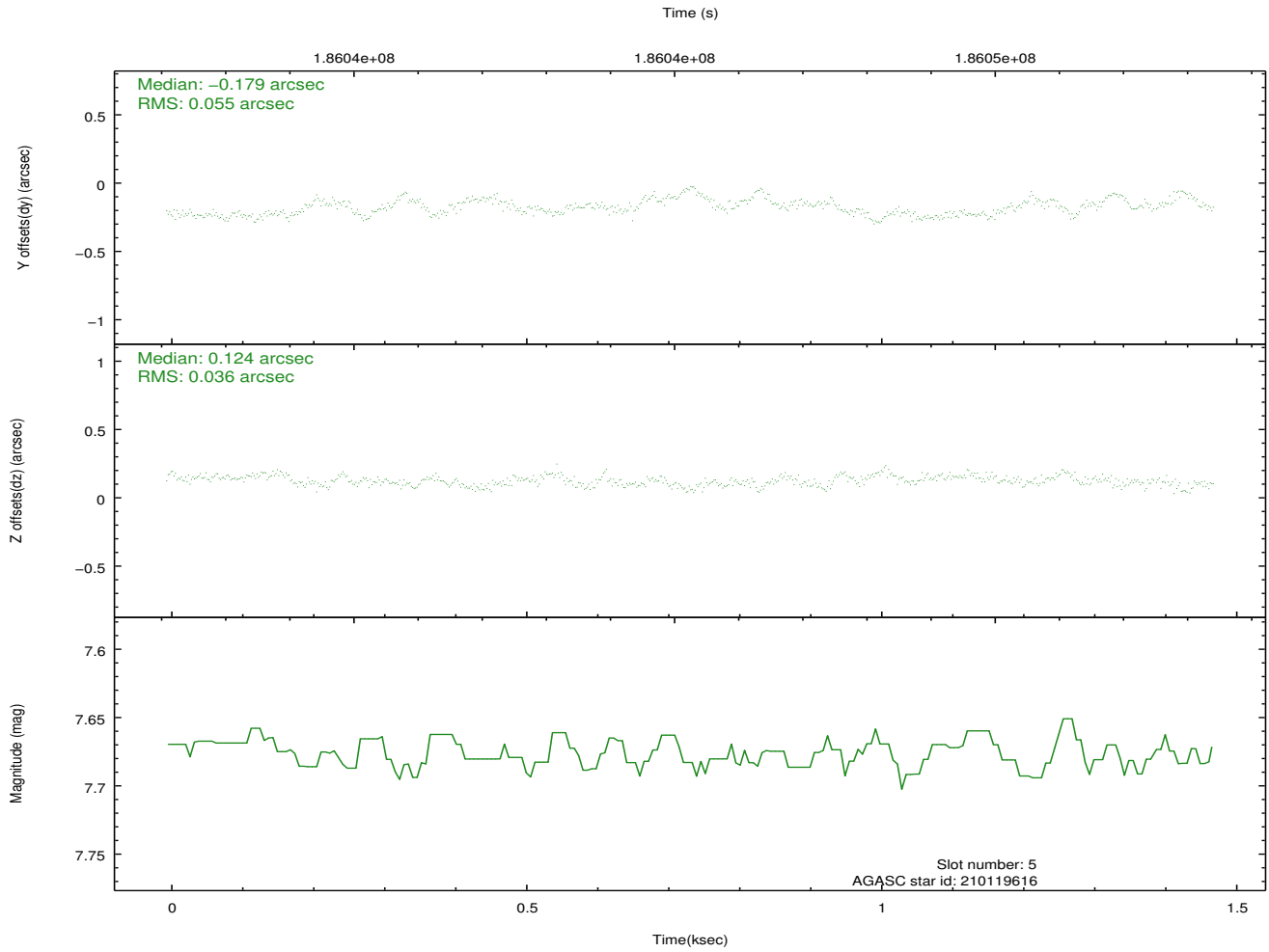
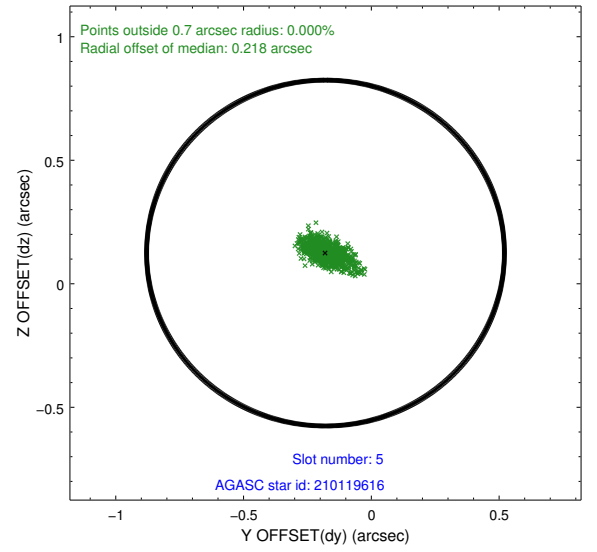
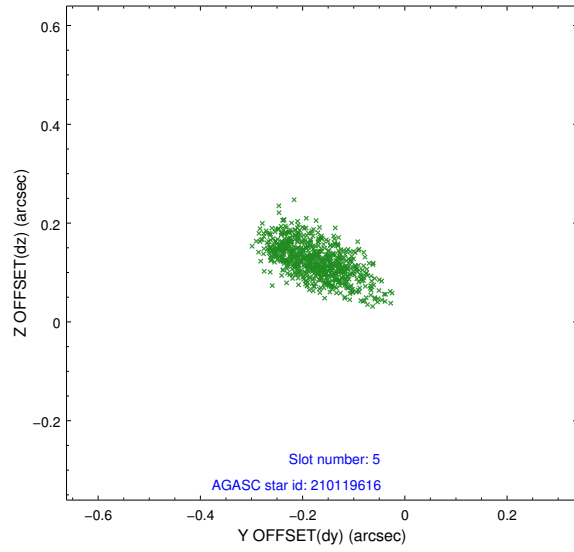
2.4.1 Slot 3



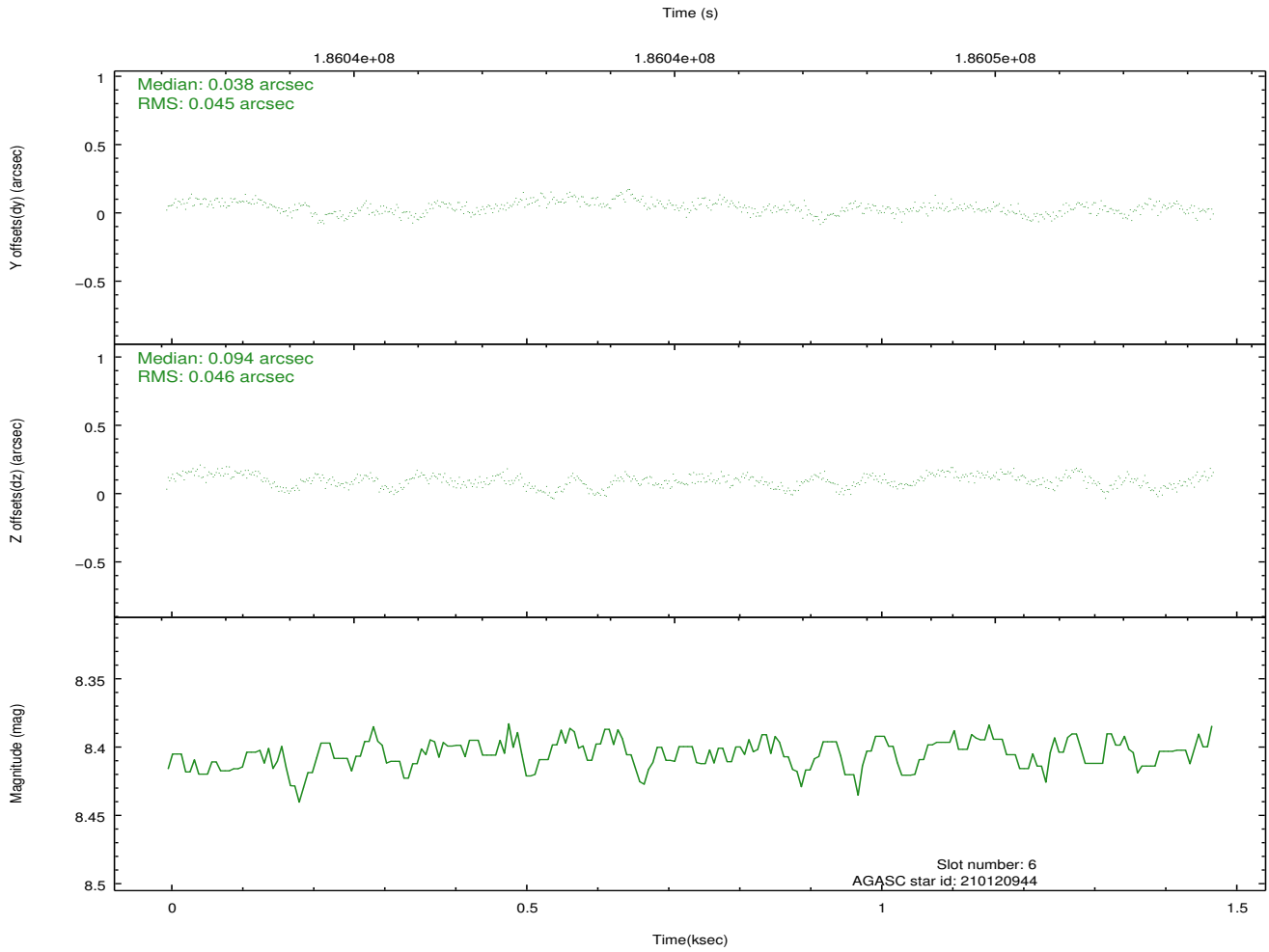
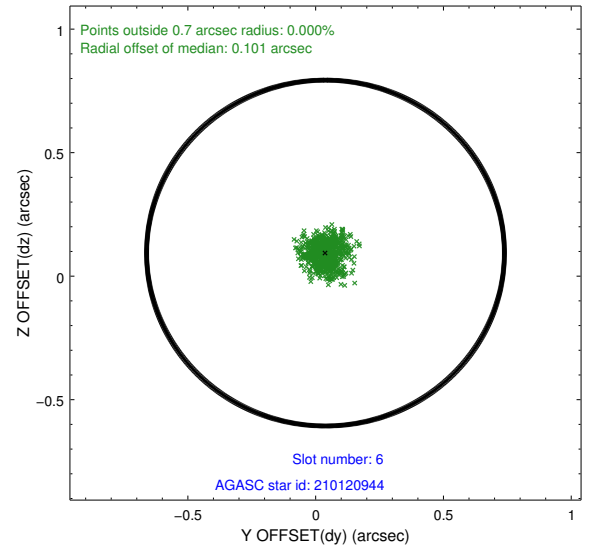
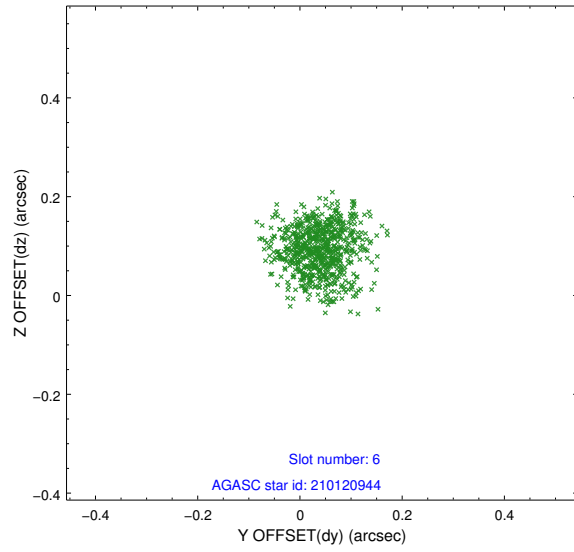
2.4.2 Slot 4



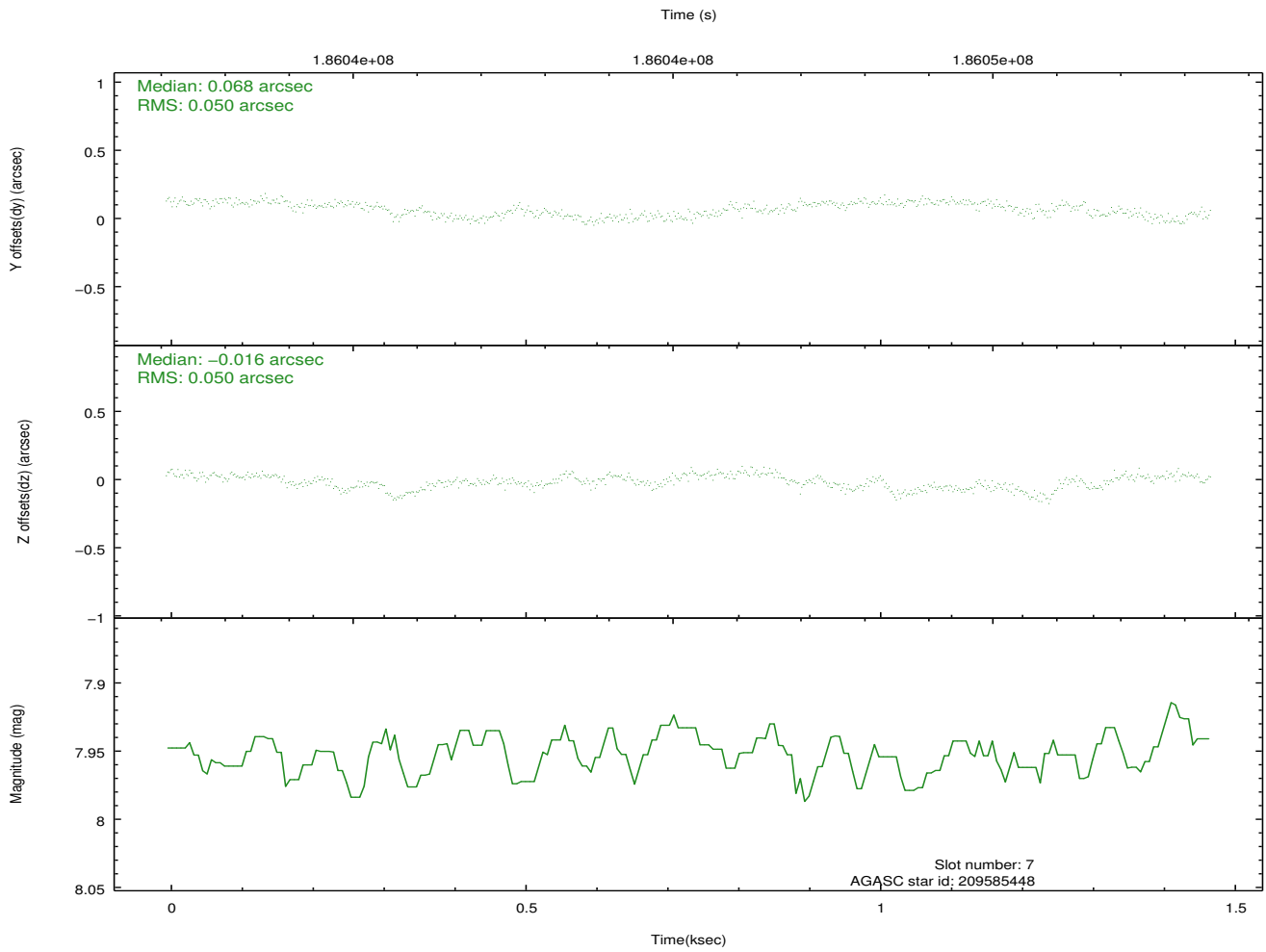
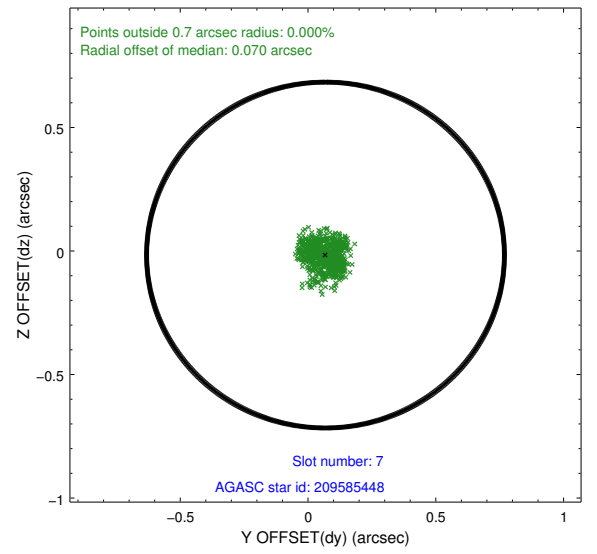
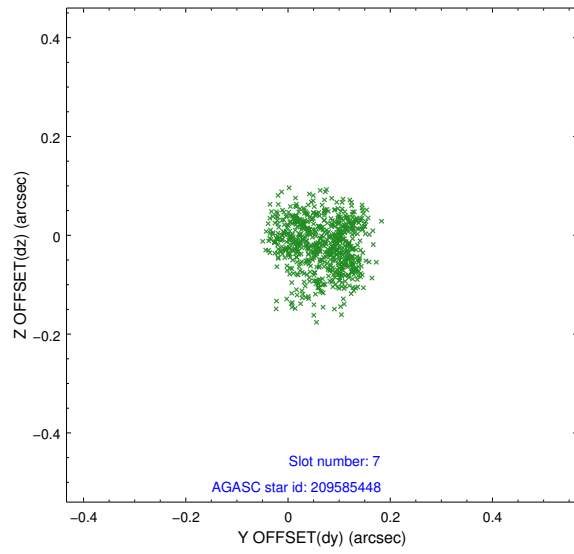
2.4.3 Slot 5



2.4.4 Slot 6

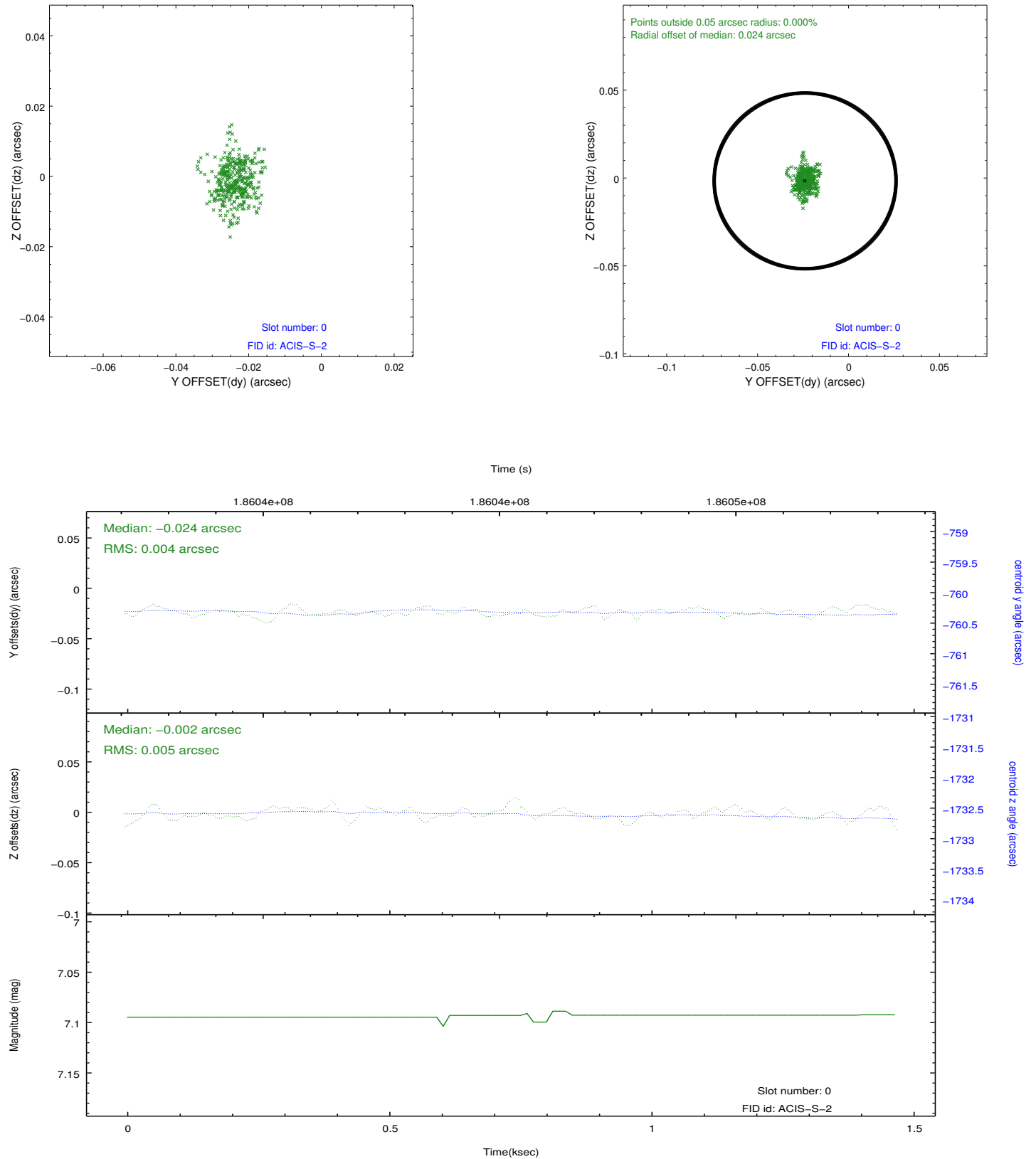


2.4.5 Slot 7

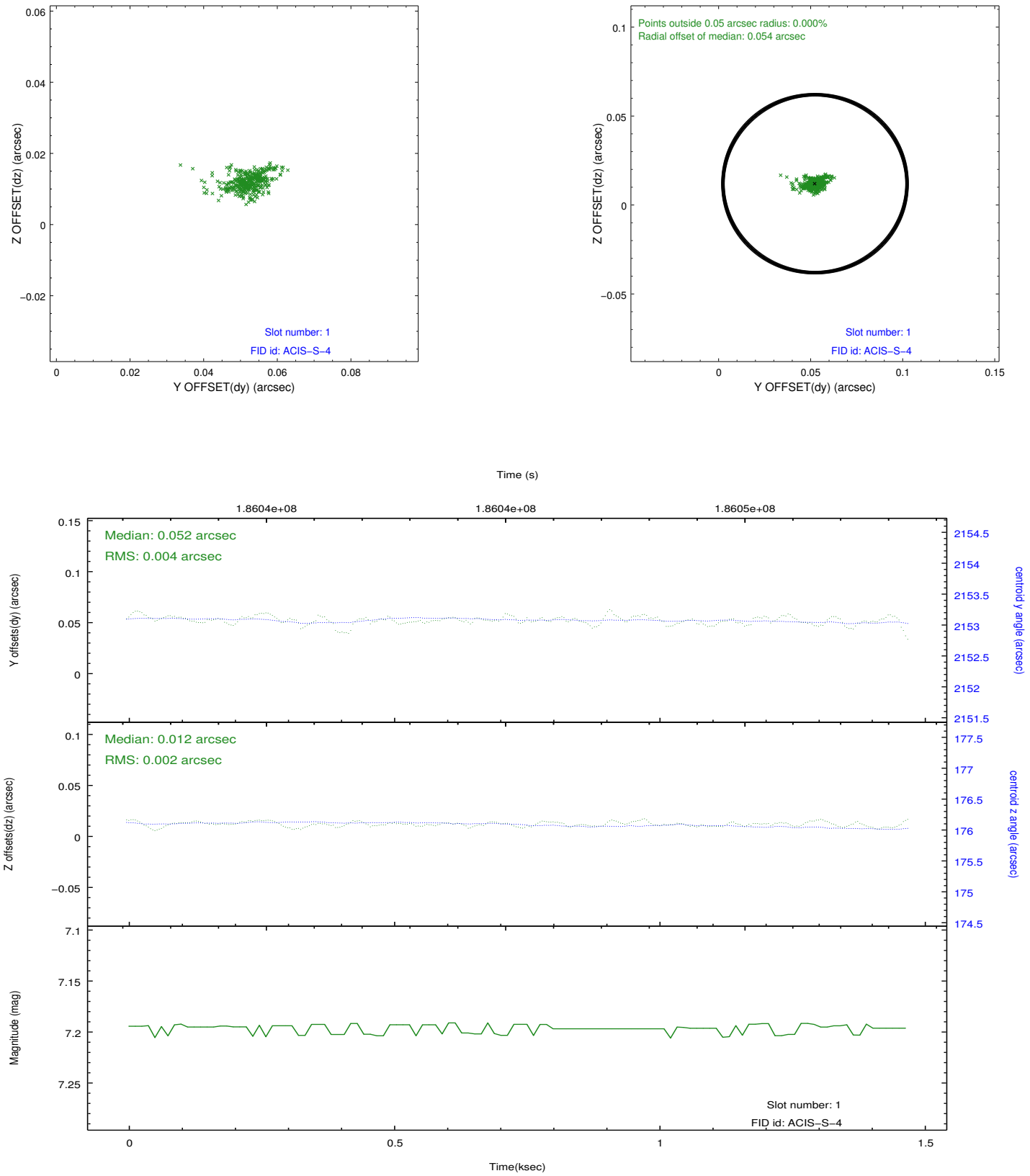


2.5 FID Slots

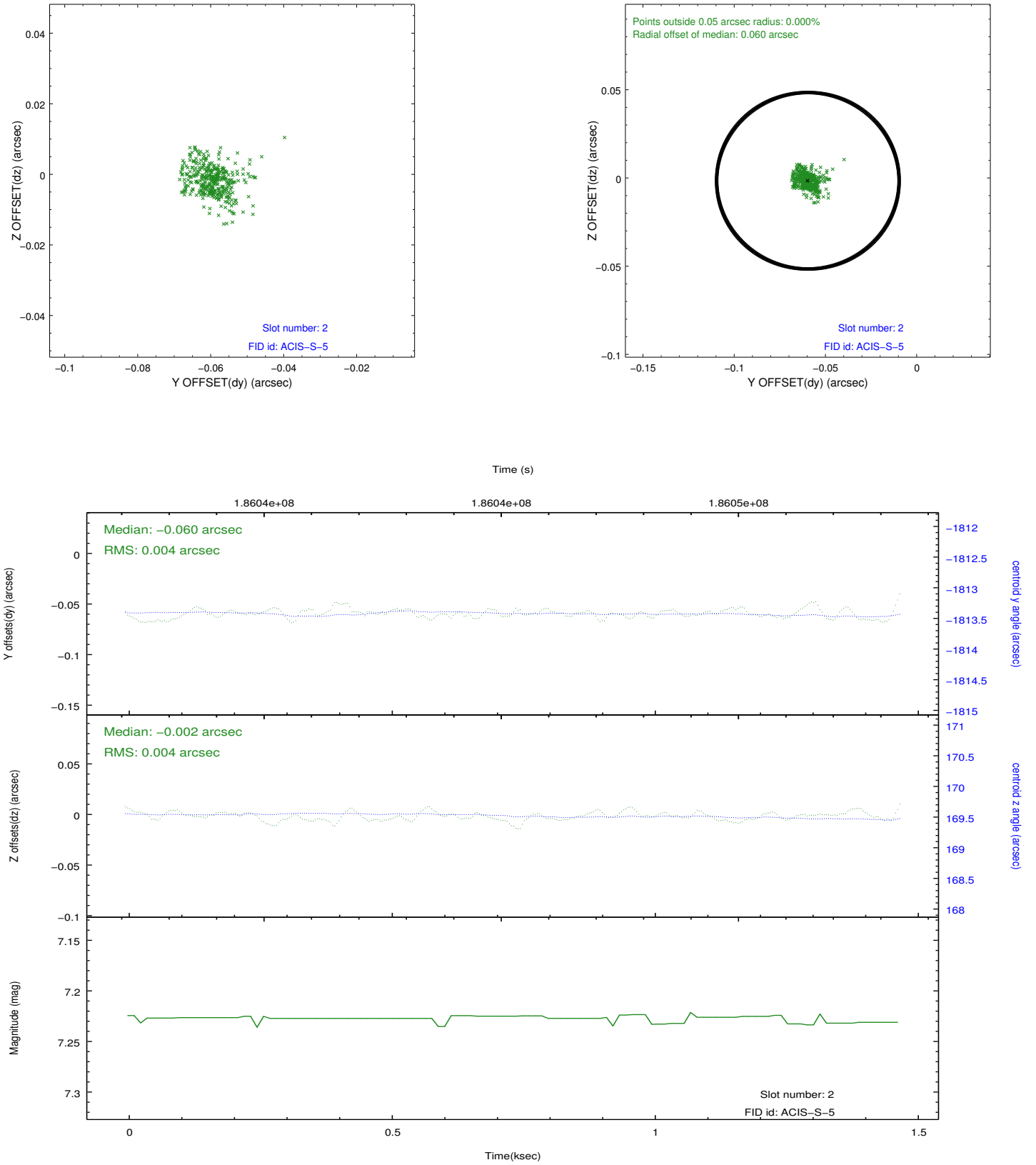
2.5.1 Slot 0



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)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.471

A.2 Comments