

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5276 - L2 Version 3
Chandra X-Ray Center

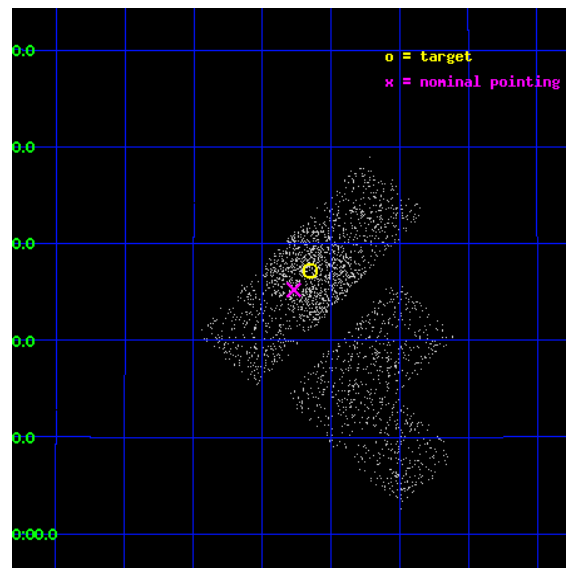
L2 Processing Date : Nov 8 2012

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1 Front

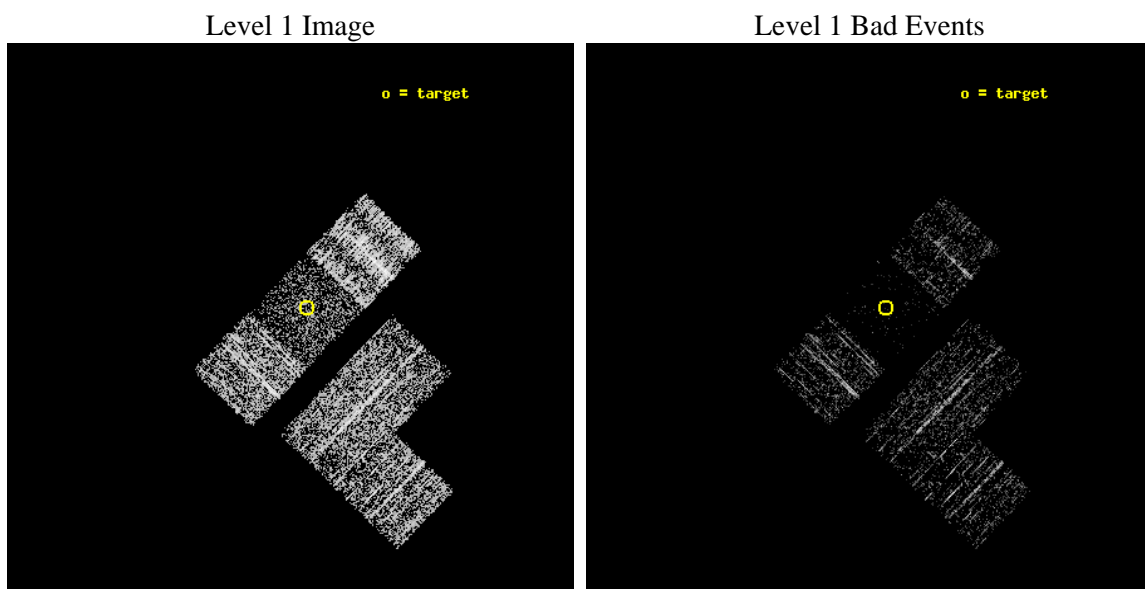
seq_num	100051	Sequence number
obs_id	5276	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.28761	Observer's specified target RA [deg]
dec_targ	16.45275	Observer's specified target Dec [deg]
ra_nom	287.31760328903	Nominal RA [deg]
dec_nom	16.420573893162	Nominal Dec [deg]
roll_nom	314.14817101686	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	2771	Number of level 2 events



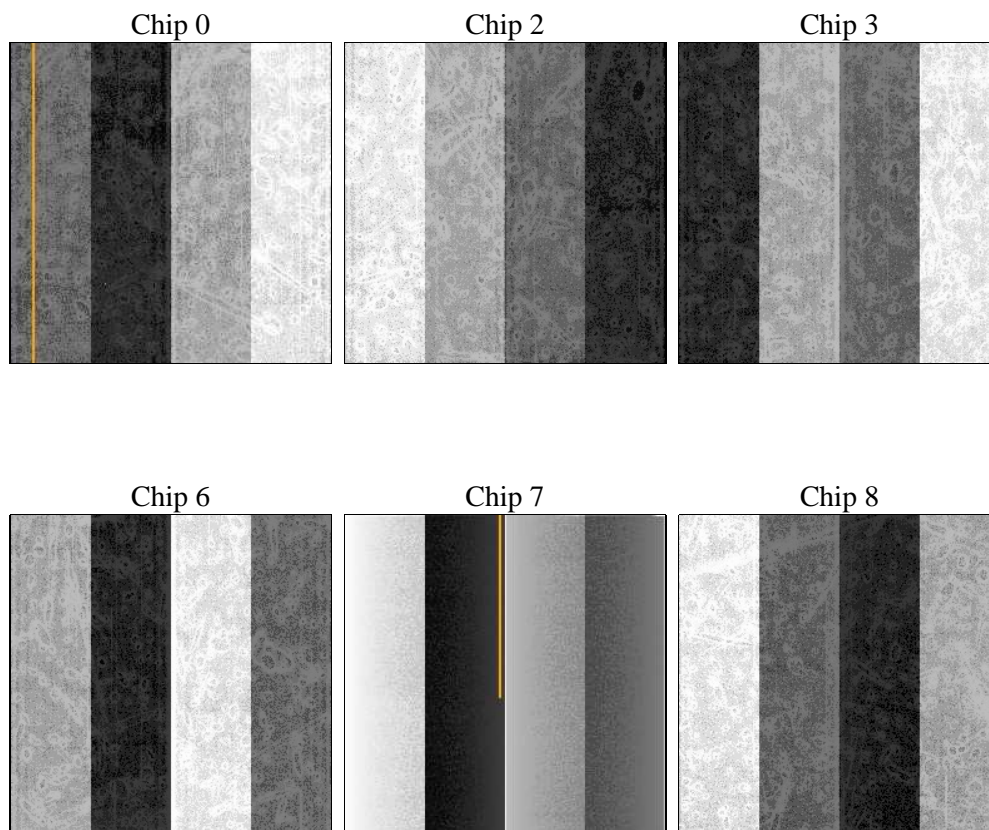
2 OBI

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	2012-11-08T03:04:42	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	38353	Number of level 1 events

2.1.4 Events

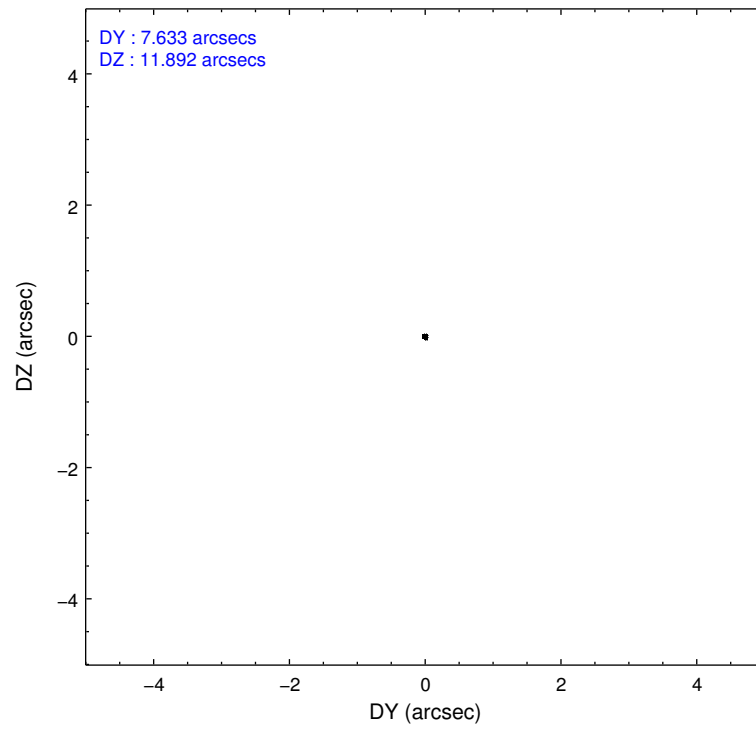
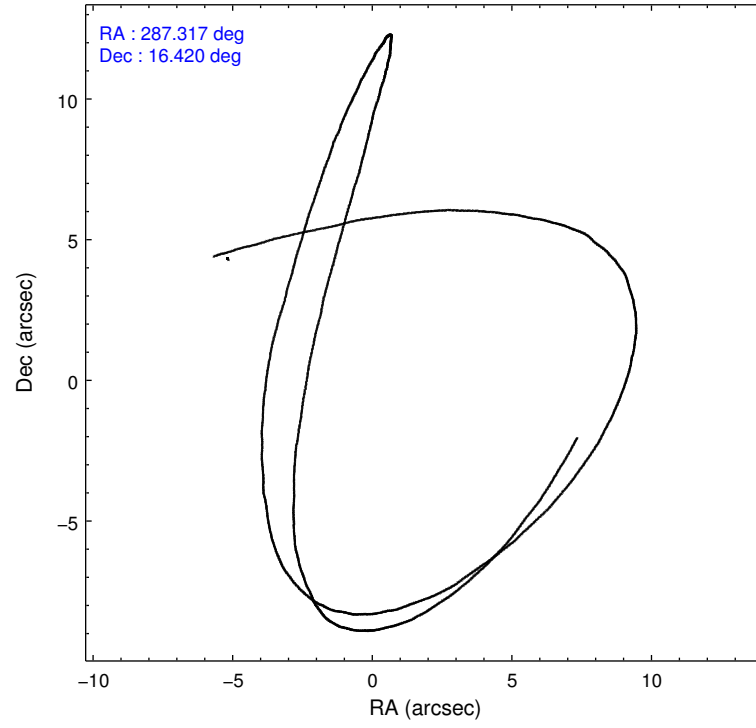
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5939	6252	6093	7272	2190	10607
rejected events	5491	5724	5711	6762	966	6151
rejected %	92%	91%	93%	92%	44%	57%

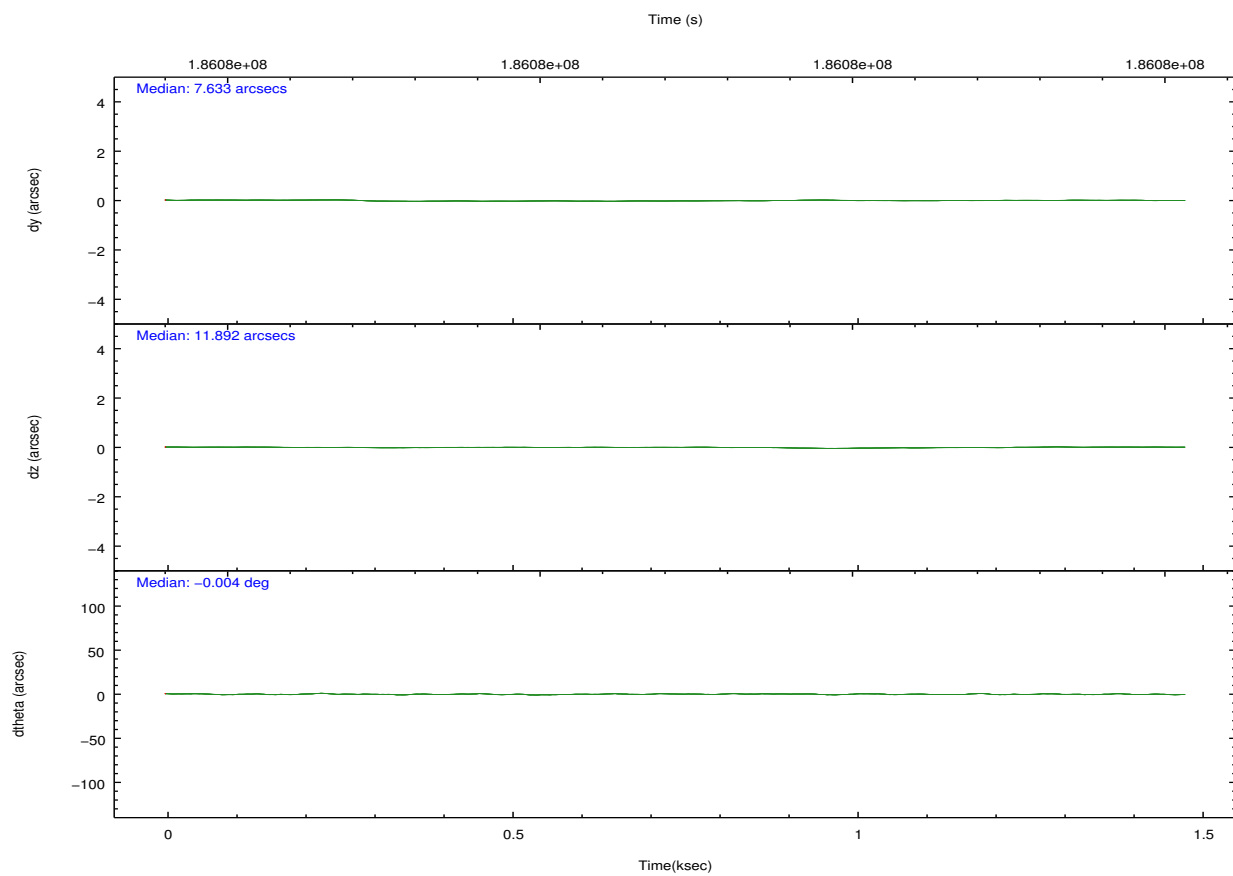
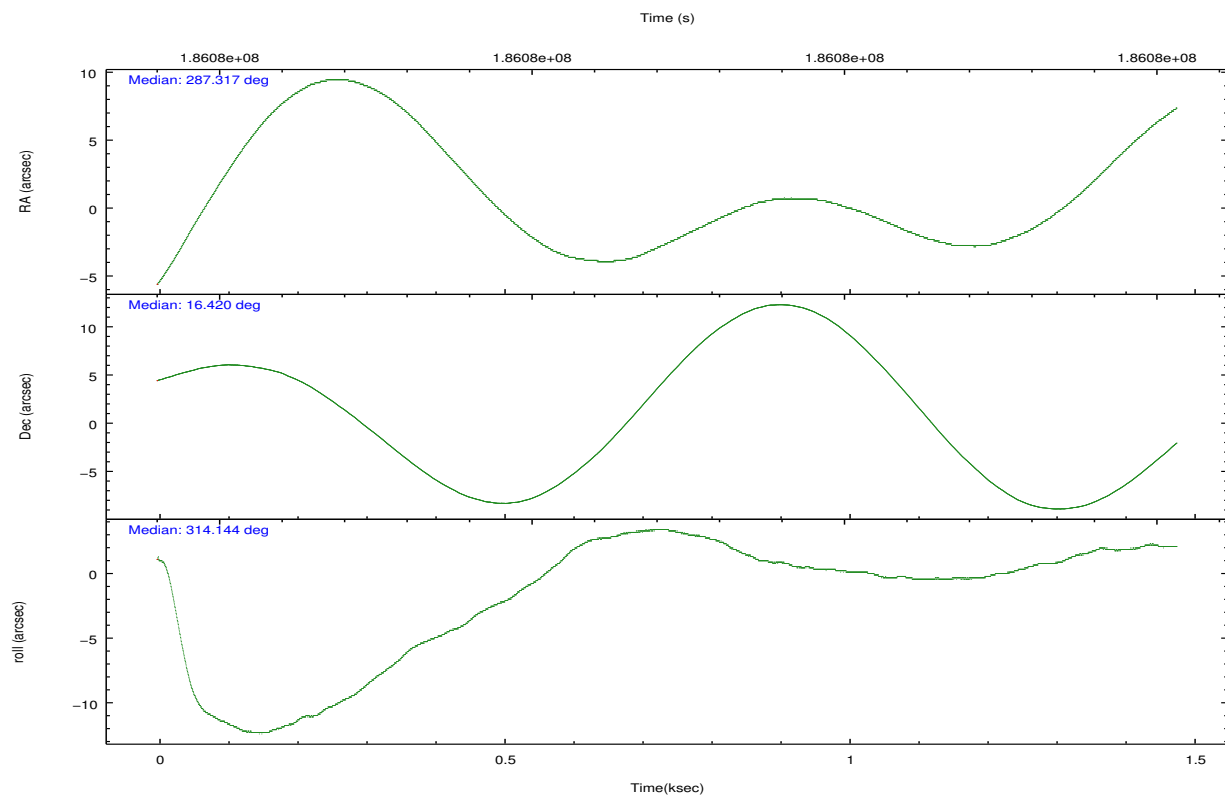
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	233	330	206	283	328	1612
	3%	5%	3%	3%	14%	15%
grade 1 events	3	0	2	3	3	13
	0%	0%	0%	0%	0%	0%
grade 2 events	142	166	93	165	402	708
	2%	2%	1%	2%	18%	6%
grade 3 events	40	45	53	55	188	997
	0%	0%	0%	0%	8%	9%
grade 4 events	57	72	45	64	174	852
	0%	1%	0%	0%	7%	8%
grade 5 events	42	39	56	53	155	170
	0%	0%	0%	0%	7%	1%
grade 6 events	52	68	60	56	423	1183
	0%	1%	0%	0%	19%	11%
grade 7 events	5370	5532	5578	6593	517	5072
	90%	88%	91%	90%	23%	47%

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	287.289987	287.3176032890274	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.427836	16.42057389316211	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999322	314.1481710168613	[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)	186078664.184000	186078287.65798			
Observation start date	2003-11-24T16:30:00	2003-11-24T16:24:47			
[s] Observation end time (MET)	186079954.184000	186080087.55806			
Observation end date	2003-11-24T16:51:30	2003-11-24T16:54:47			
Read mode	TIMED	TIMED			

2.3 Aspect



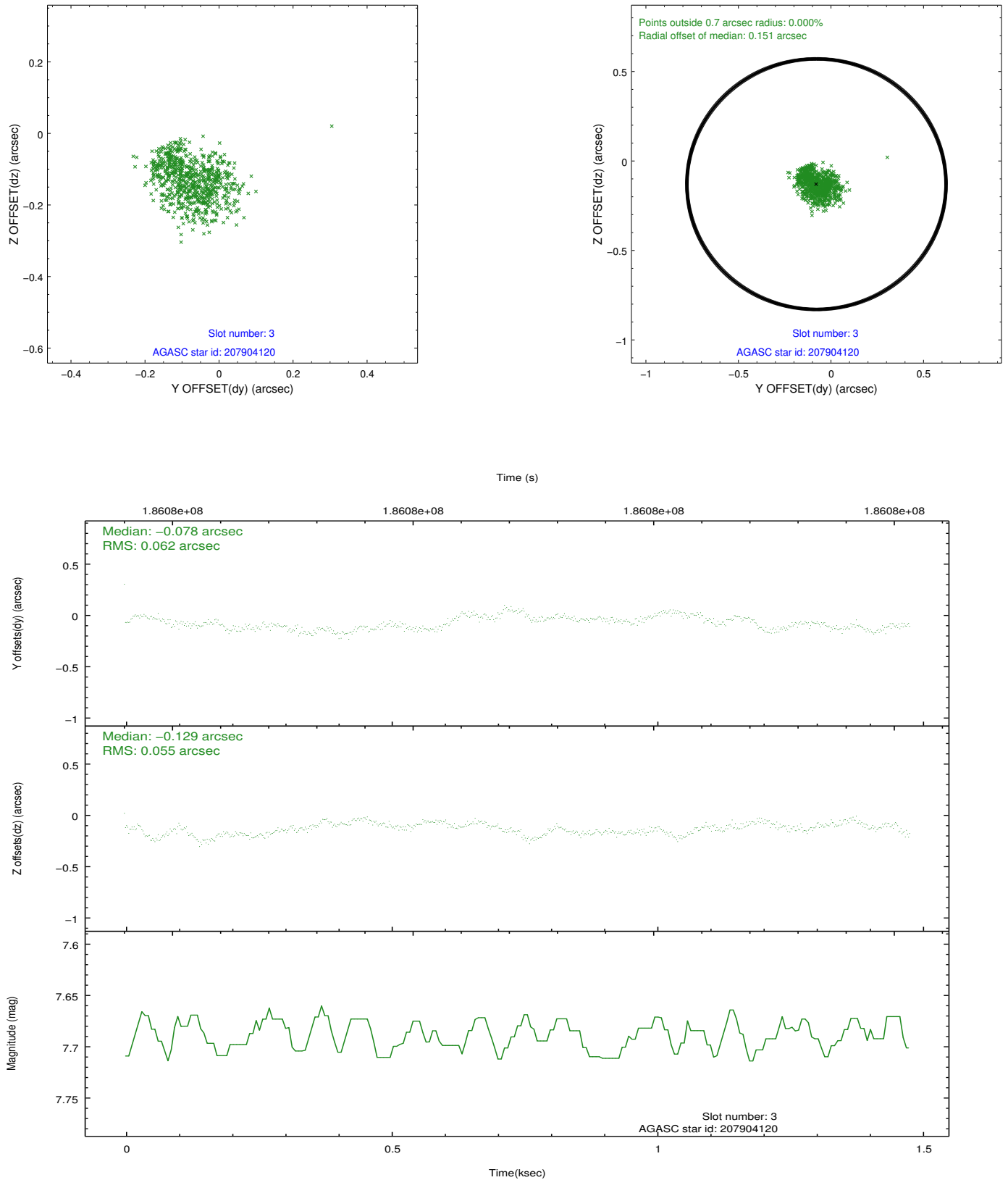


Slot Statistics

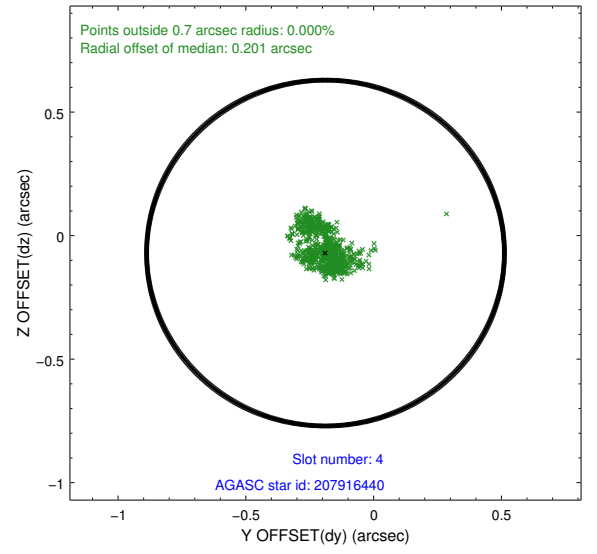
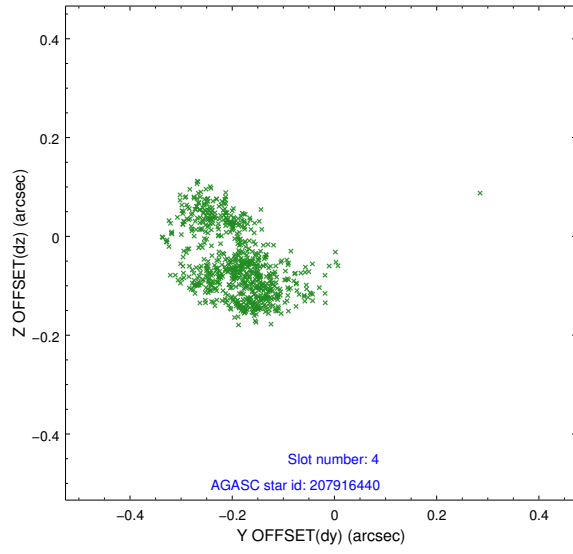
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	361	-0.006	-0.012	0.007	0.011	0.000000	0.000000	-760.41	-1733.20
1	FID	ACIS-S-4	7.20	361	0.035	0.006	0.006	0.010	0.000000	0.000000	2150.88	170.66
2	FID	ACIS-S-5	7.23	361	-0.060	0.014	0.006	0.010	0.000000	0.000000	-1807.54	169.44
3	GUIDE	207904120	7.69	722	-0.078	-0.129	0.090	0.130	286.904195	16.289988	-570.70	-1302.87
4	GUIDE	207916440	6.85	722	-0.188	-0.071	0.099	0.161	287.167522	16.851310	-1391.46	753.34
5	GUIDE	208416976	8.35	722	-0.071	0.041	0.064	0.109	287.326965	17.073967	-1587.78	1708.19
6	GUIDE	208421840	9.22	722	0.085	-0.005	0.119	0.184	287.570311	16.918850	-604.42	1925.33
7	GUIDE	209596088	9.36	721	0.255	0.153	0.093	0.148	288.150718	16.305149	2377.58	1840.13

2.4 Star Slots

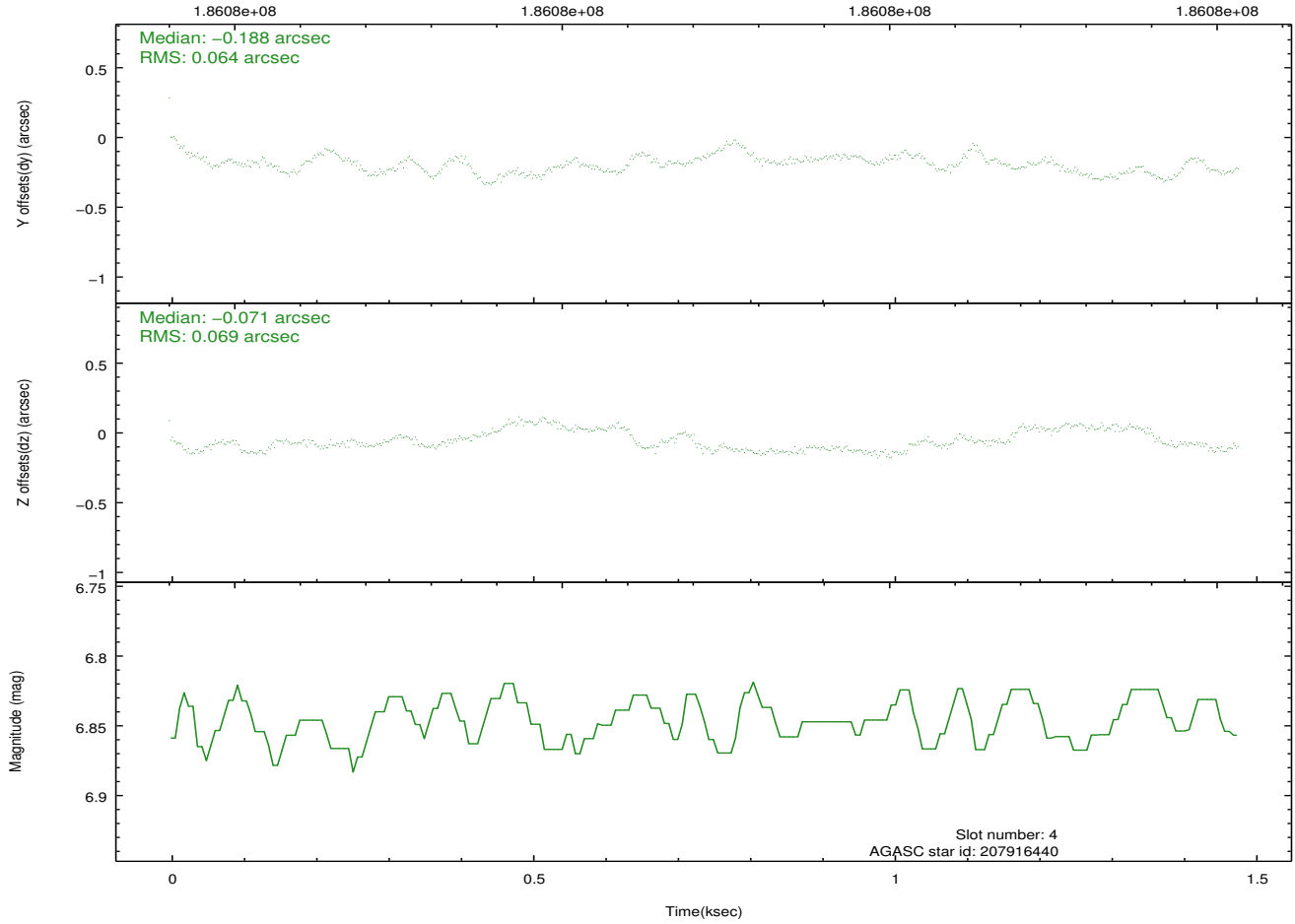
2.4.1 Slot 3



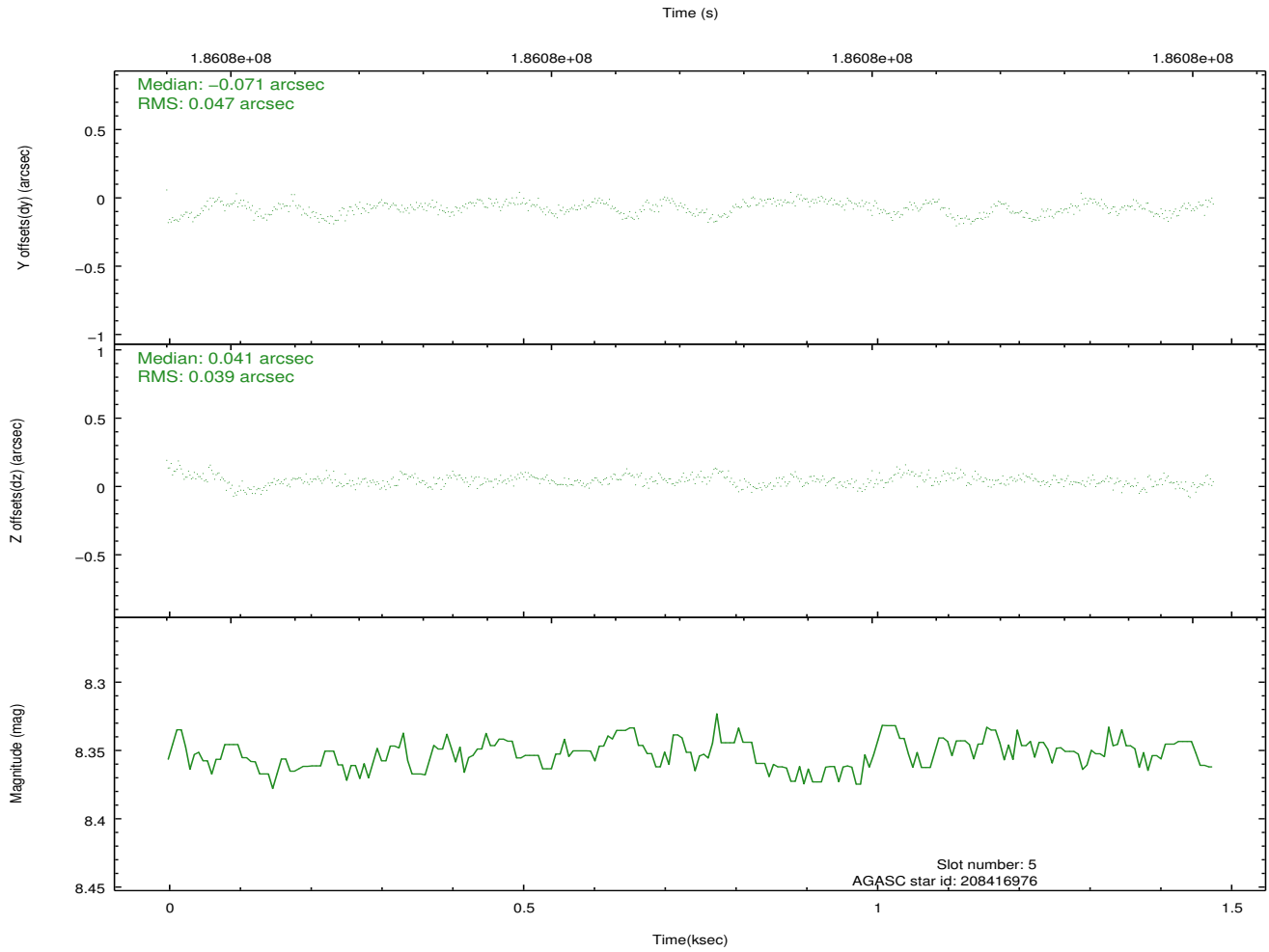
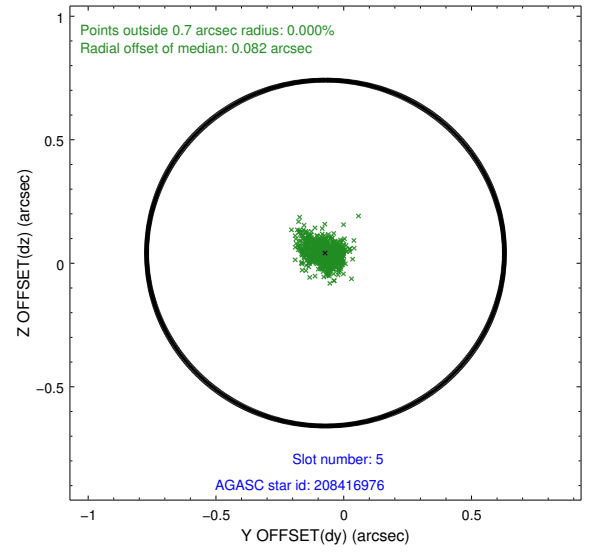
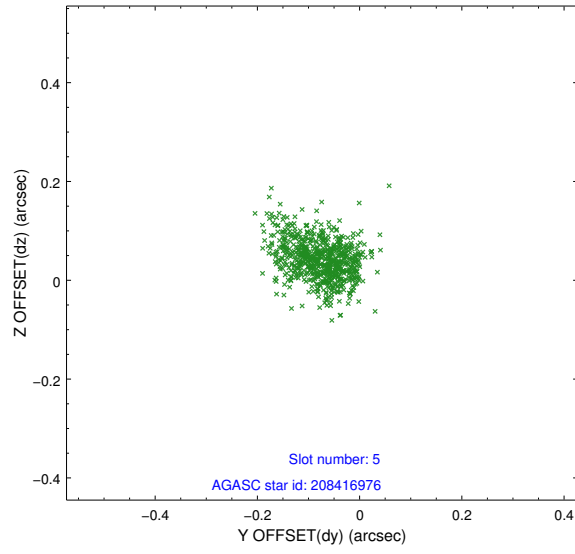
2.4.2 Slot 4



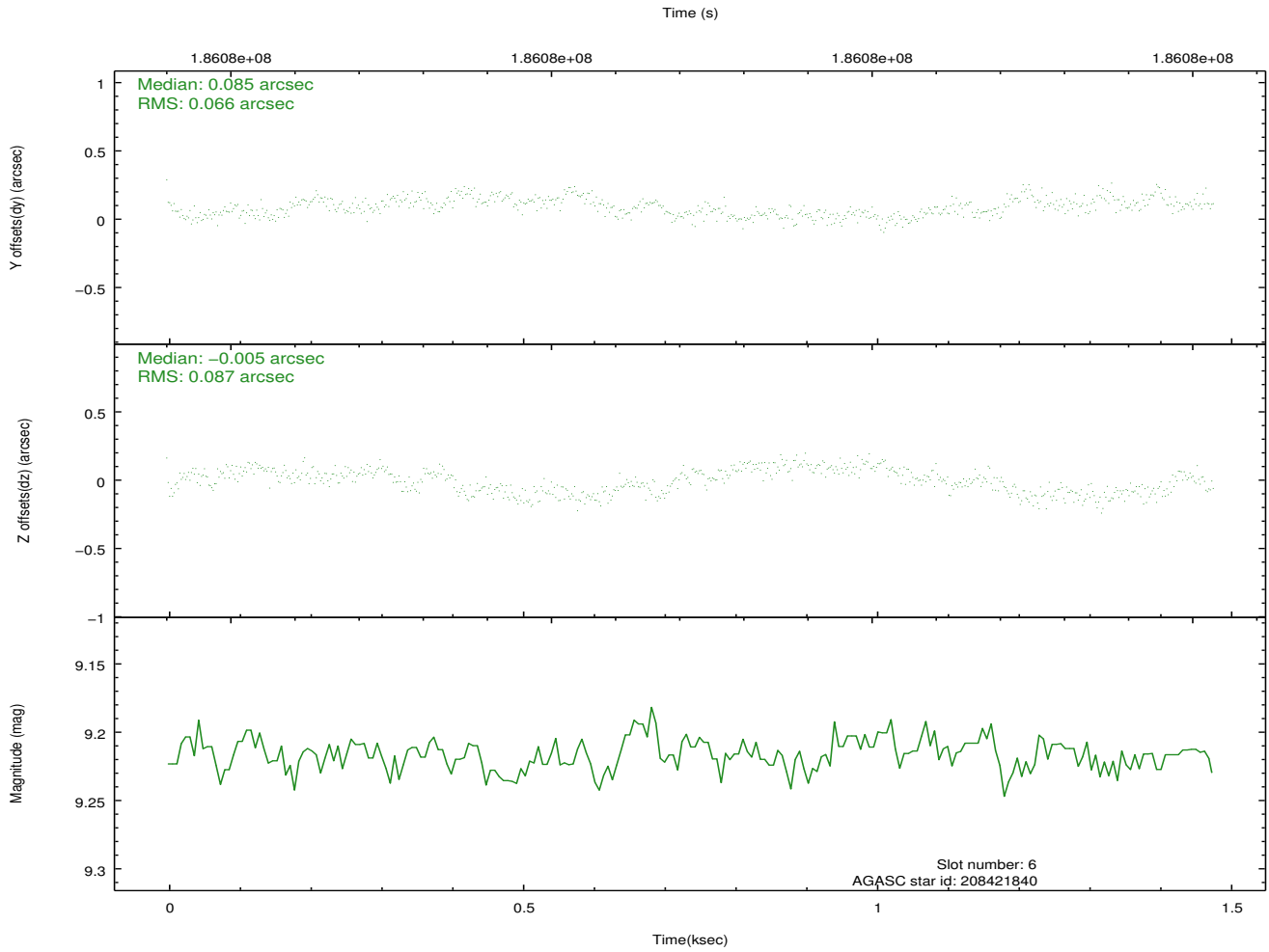
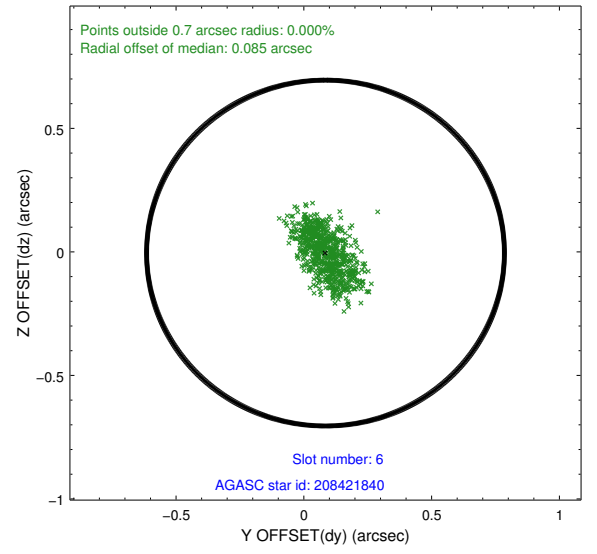
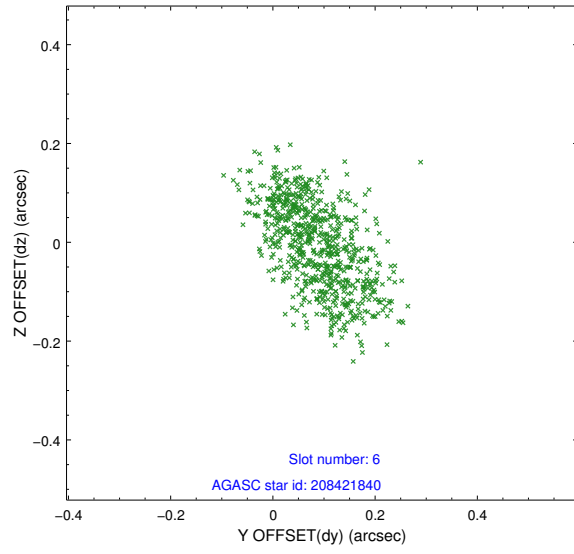
Time (s)



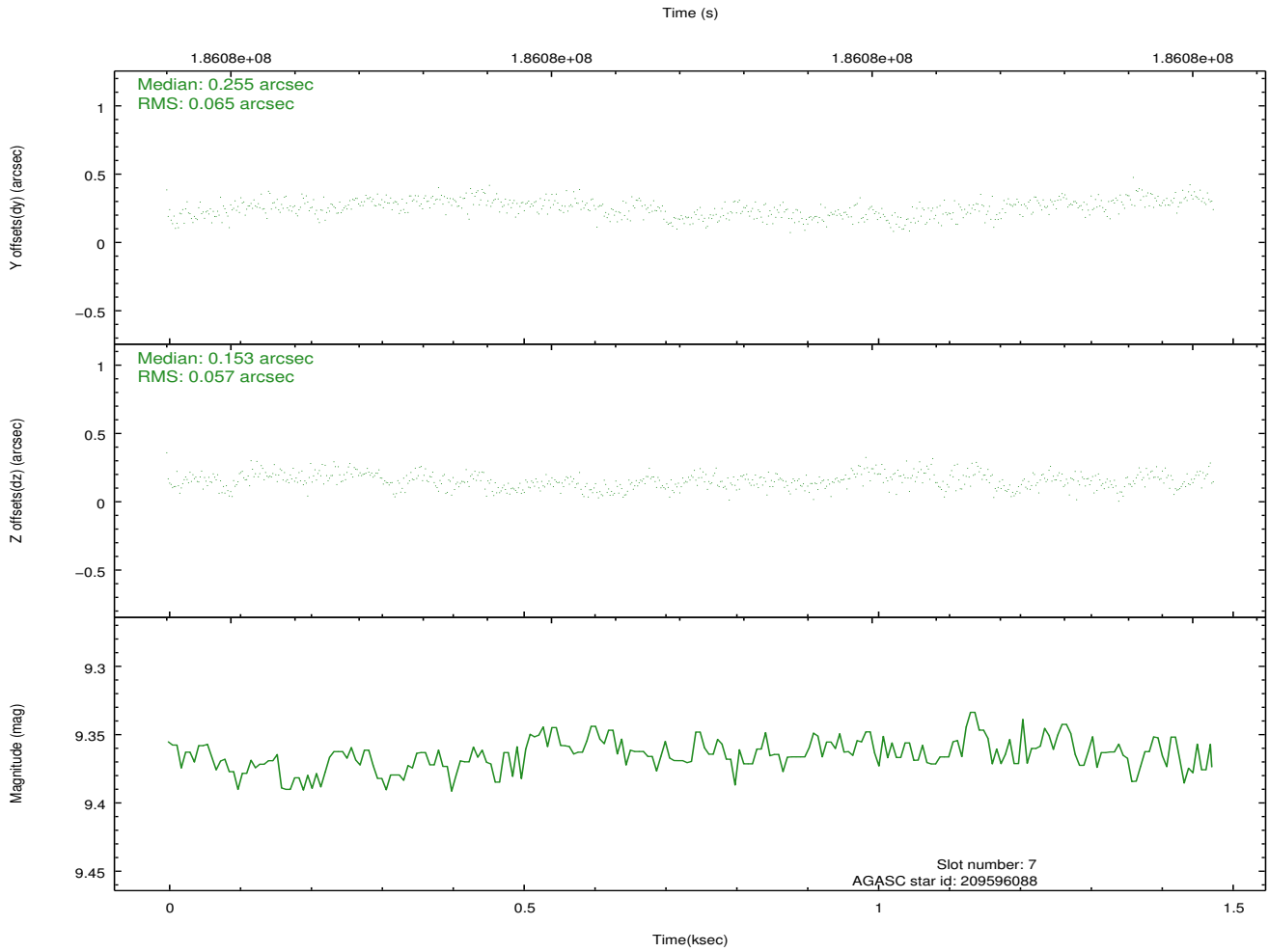
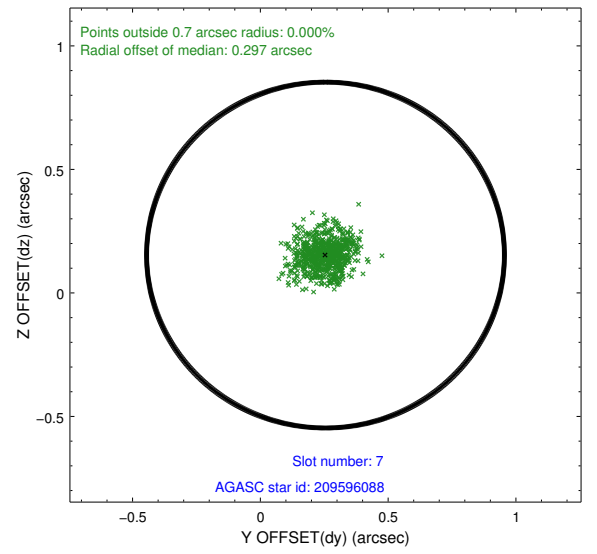
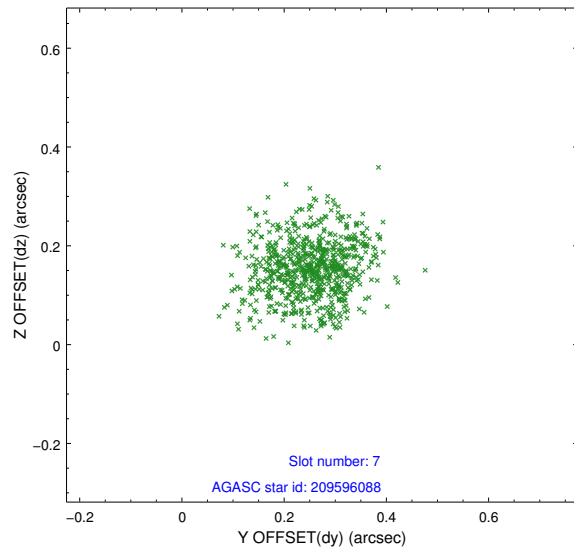
2.4.3 Slot 5



2.4.4 Slot 6

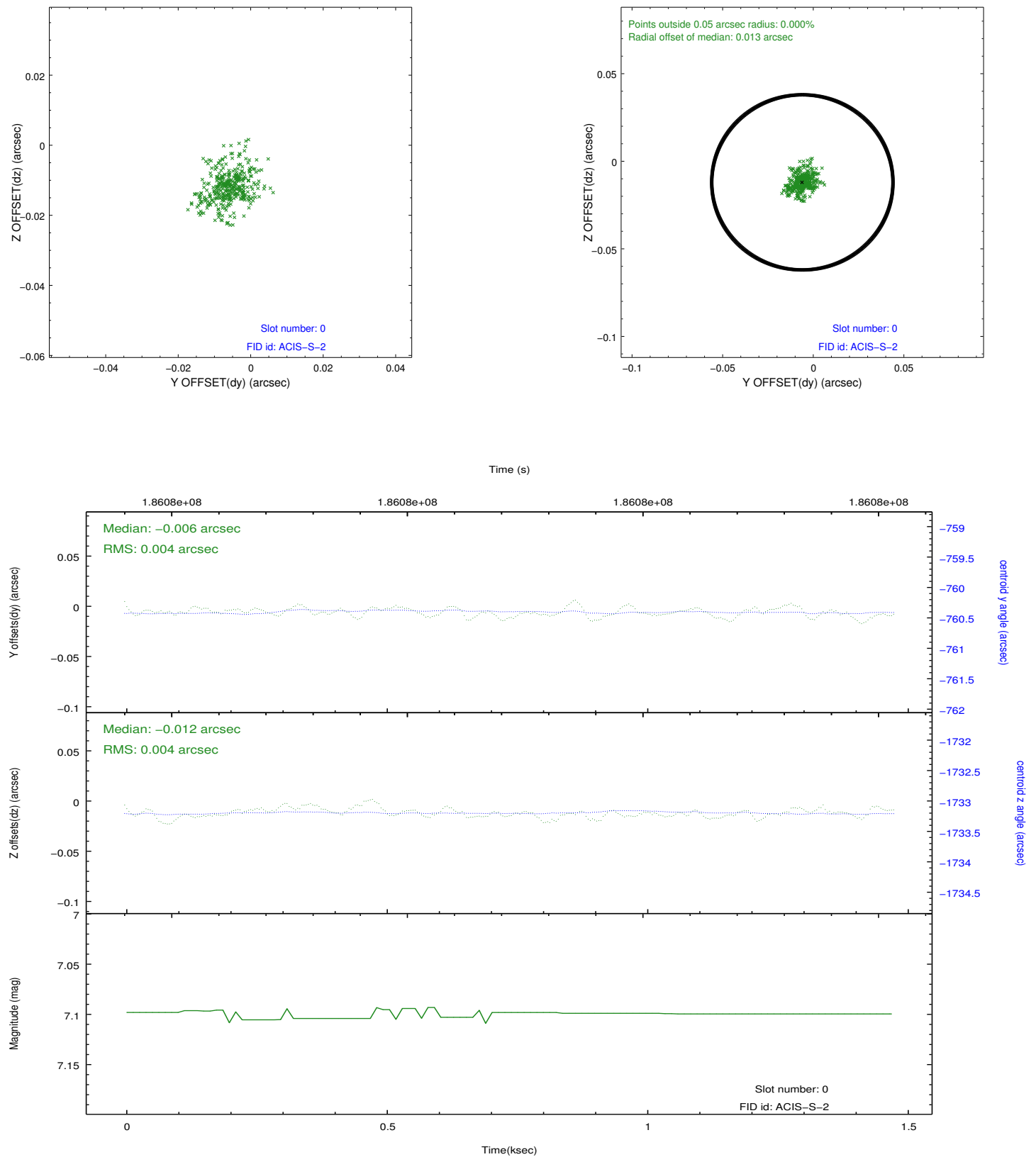


2.4.5 Slot 7

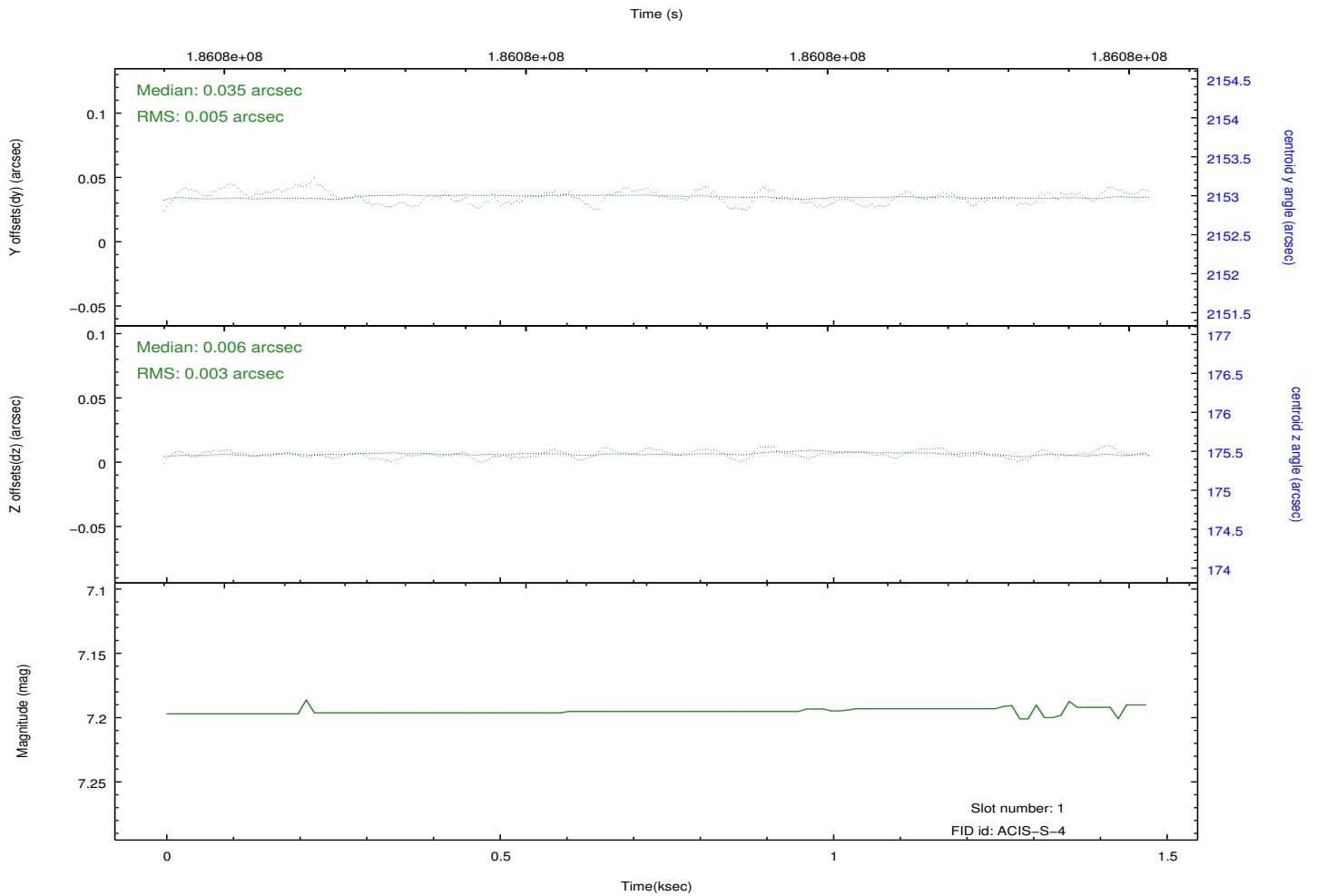
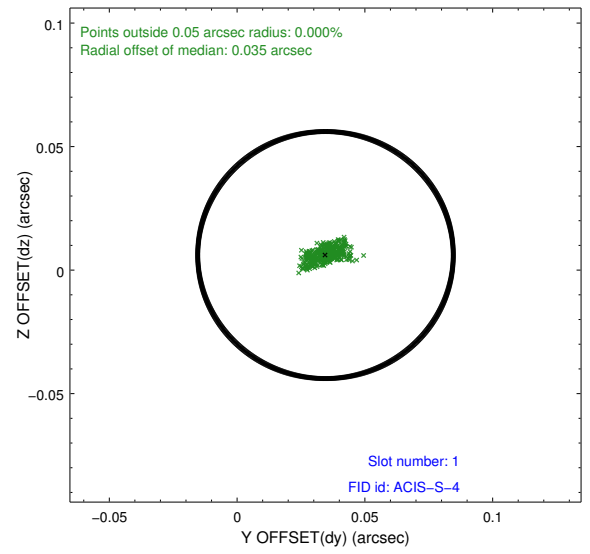
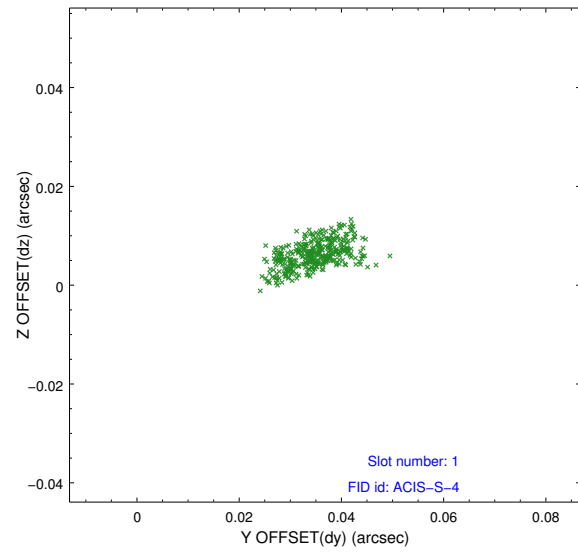


2.5 FID Slots

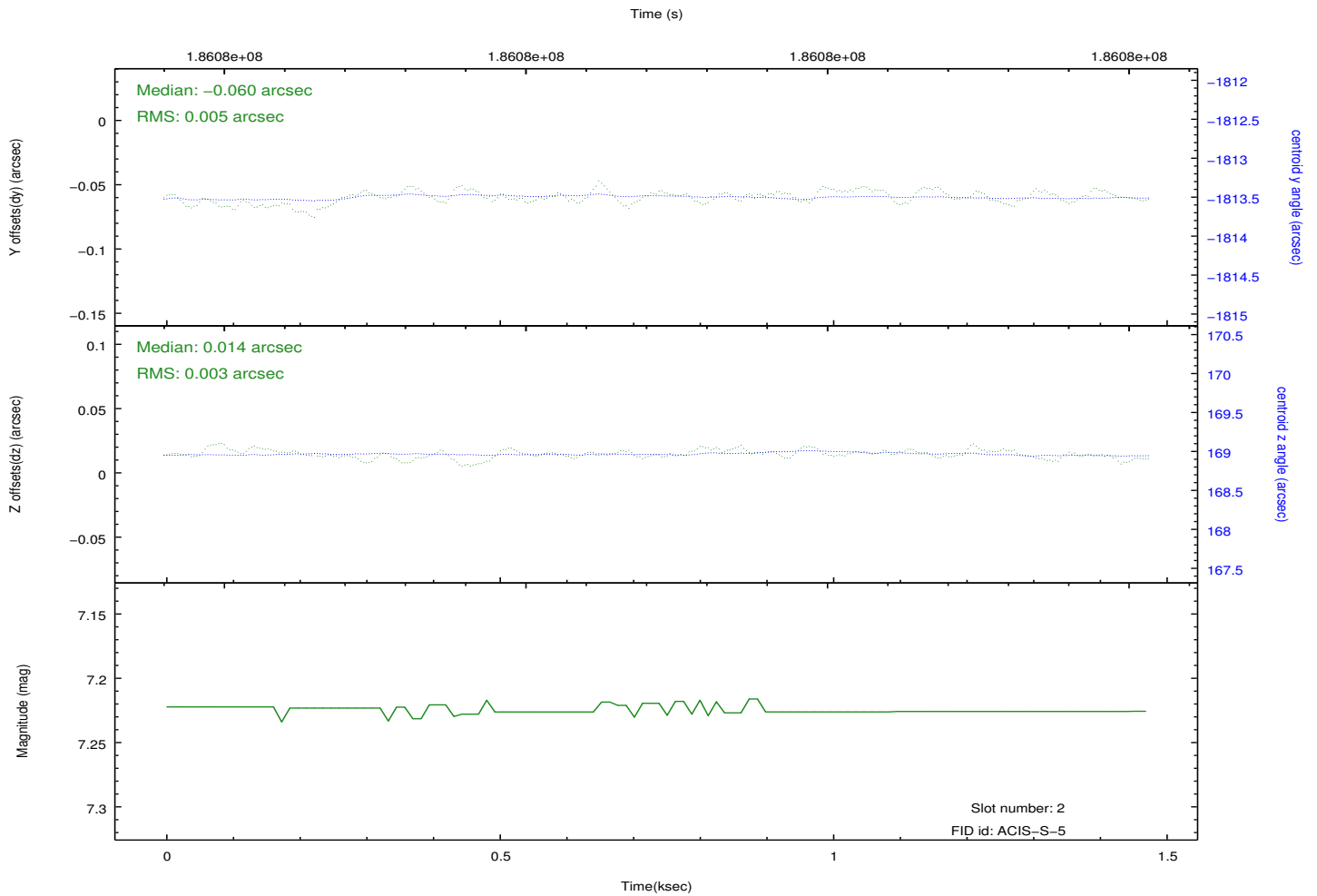
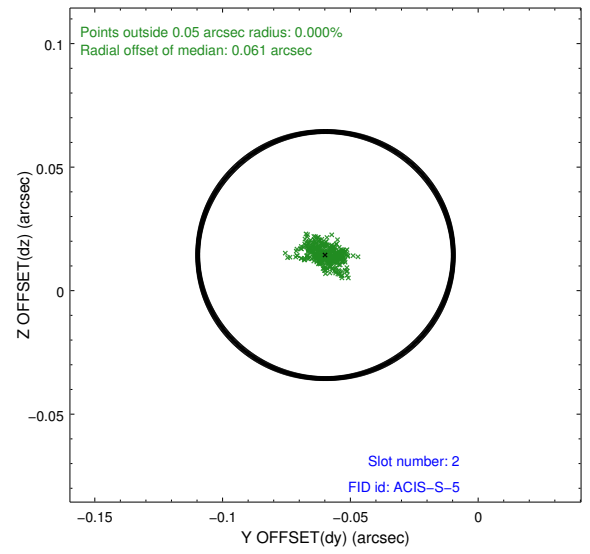
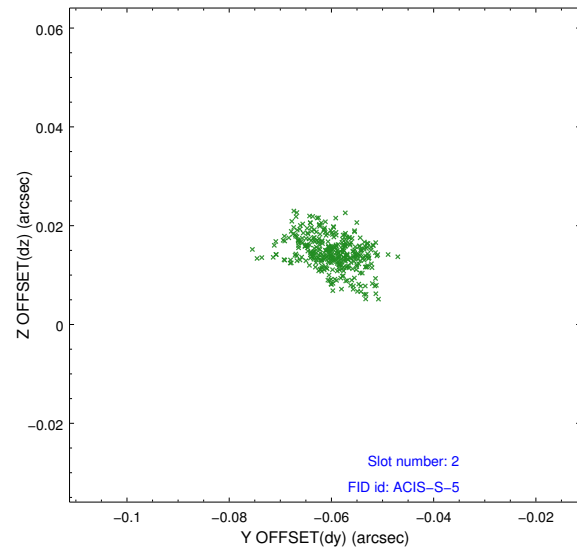
2.5.1 Slot 0



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.