

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21608 - L2 Version 1
Chandra X-Ray Center

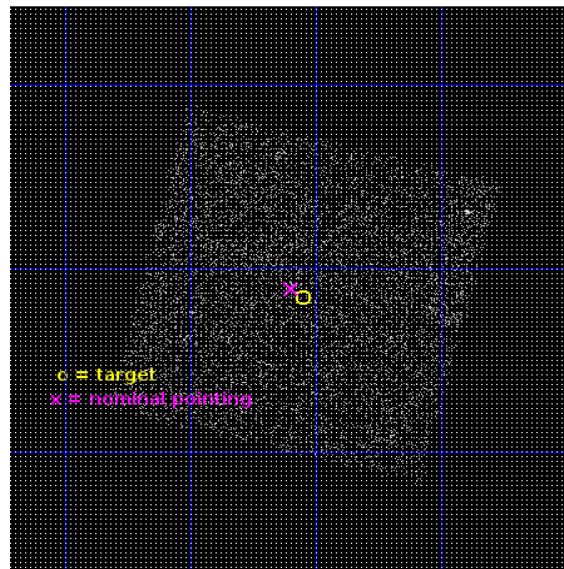
L2 Processing Date : Jul 8 2019

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1 Front

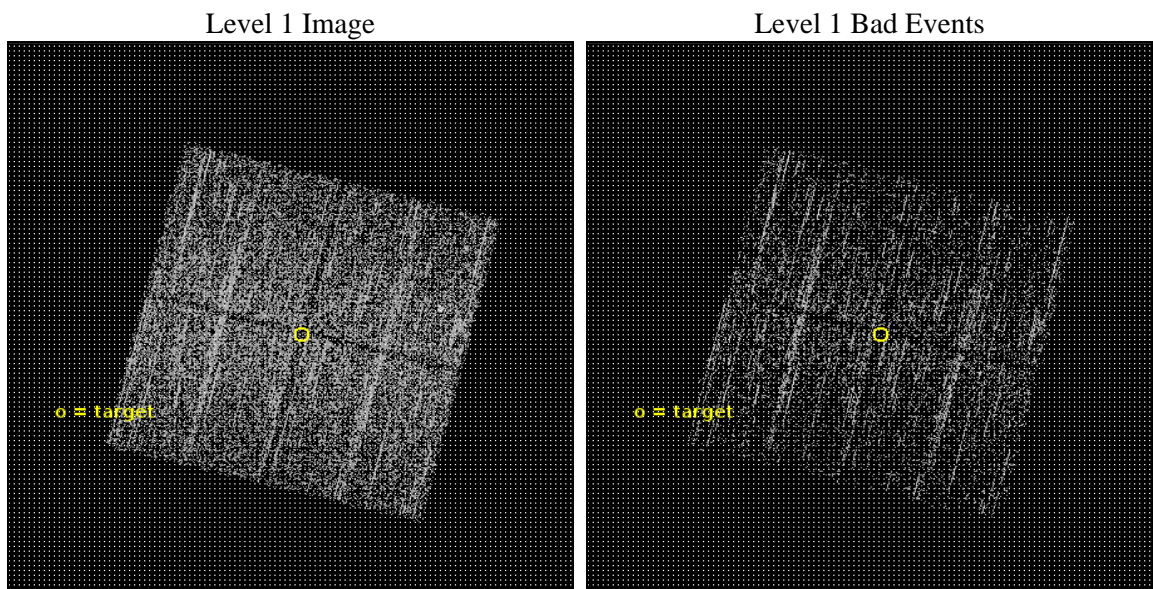
seq_num	300440	Sequence number
obs_id	21608	Observation id
title	Chandra Mapping of the Galactic Central Region	Proposal title
observer	Daniel Wang	Principal investigator
object	GCR Gap 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.26199	Observer's specified target RA [deg]
dec_targ	-29.026888	Observer's specified target Dec [deg]
ra_nom	265.27439628656	Nominal RA [deg]
dec_nom	-29.018624592656	Nominal Dec [deg]
roll_nom	284.21484122231	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1908.6219558716	Sum of GTIs [s]
livetime	1883.6844049111	Livetime [s]
ontime0	1908.4988359213	Sum of GTIs [s]
ontime1	1908.539875865	Sum of GTIs [s]
ontime2	1908.5809159279	Sum of GTIs [s]
ontime3	1908.6219558716	Sum of GTIs [s]
l2events	6032	Number of level 2 events



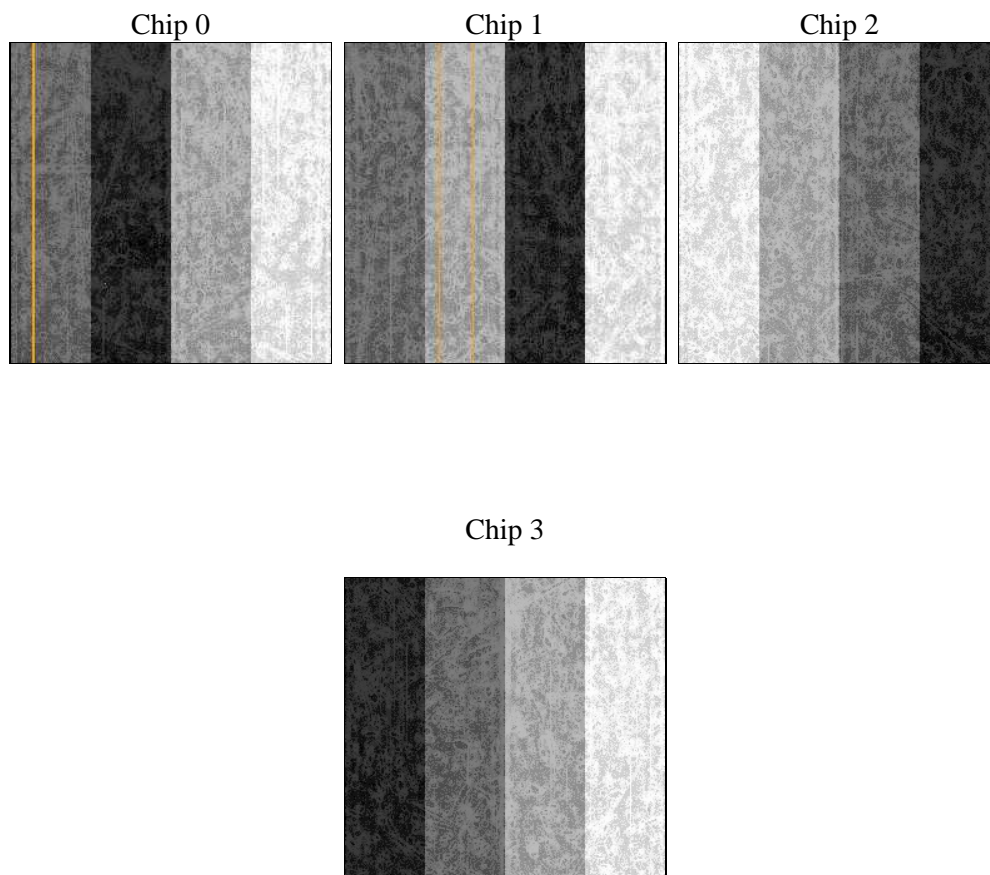
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	1908.6219558716	Sum of GTIs [s]
caldsver	4.8.3.1	 	ontime0	1908.4988359213	Sum of GTIs [s]
date	2019-07-08T11:13:53	Date and time of file creation	ontime1	1908.539875865	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	1908.5809159279	Sum of GTIs [s]
			ontime3	1908.6219558716	Sum of GTIs [s]
			l1events	56476	Number of level 1 events

2.1.4 Events

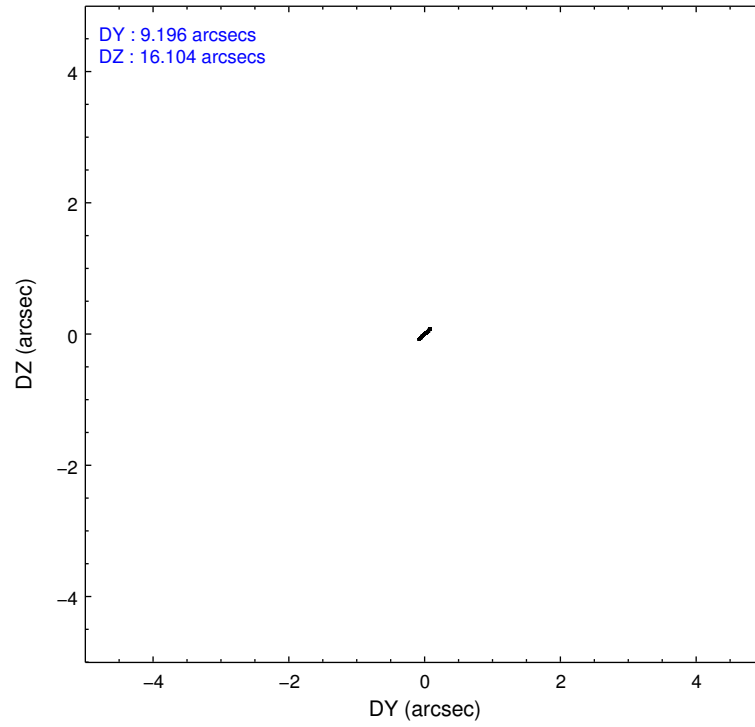
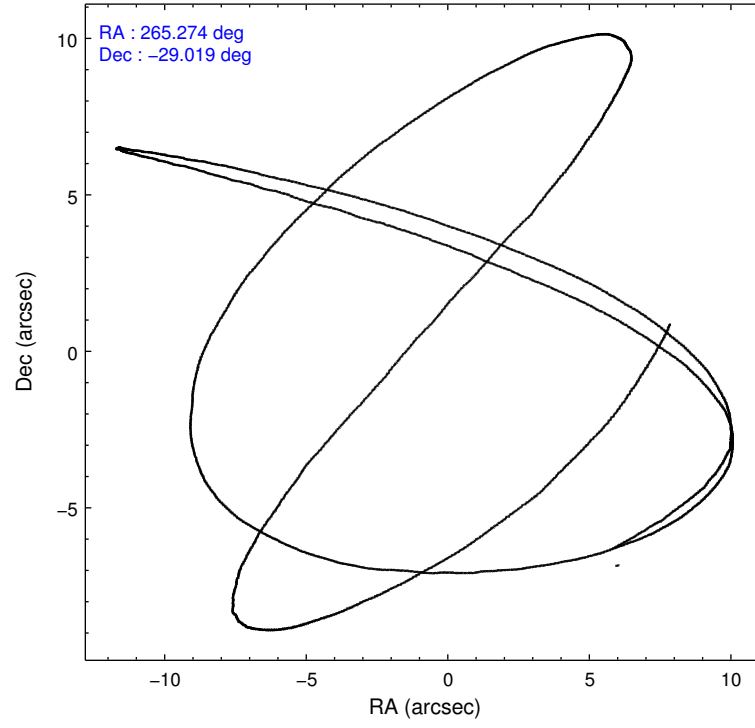
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	13405	14083	14601	14387
rejected events	11633	11851	12891	12662
rejected %	86%	84%	88%	88%

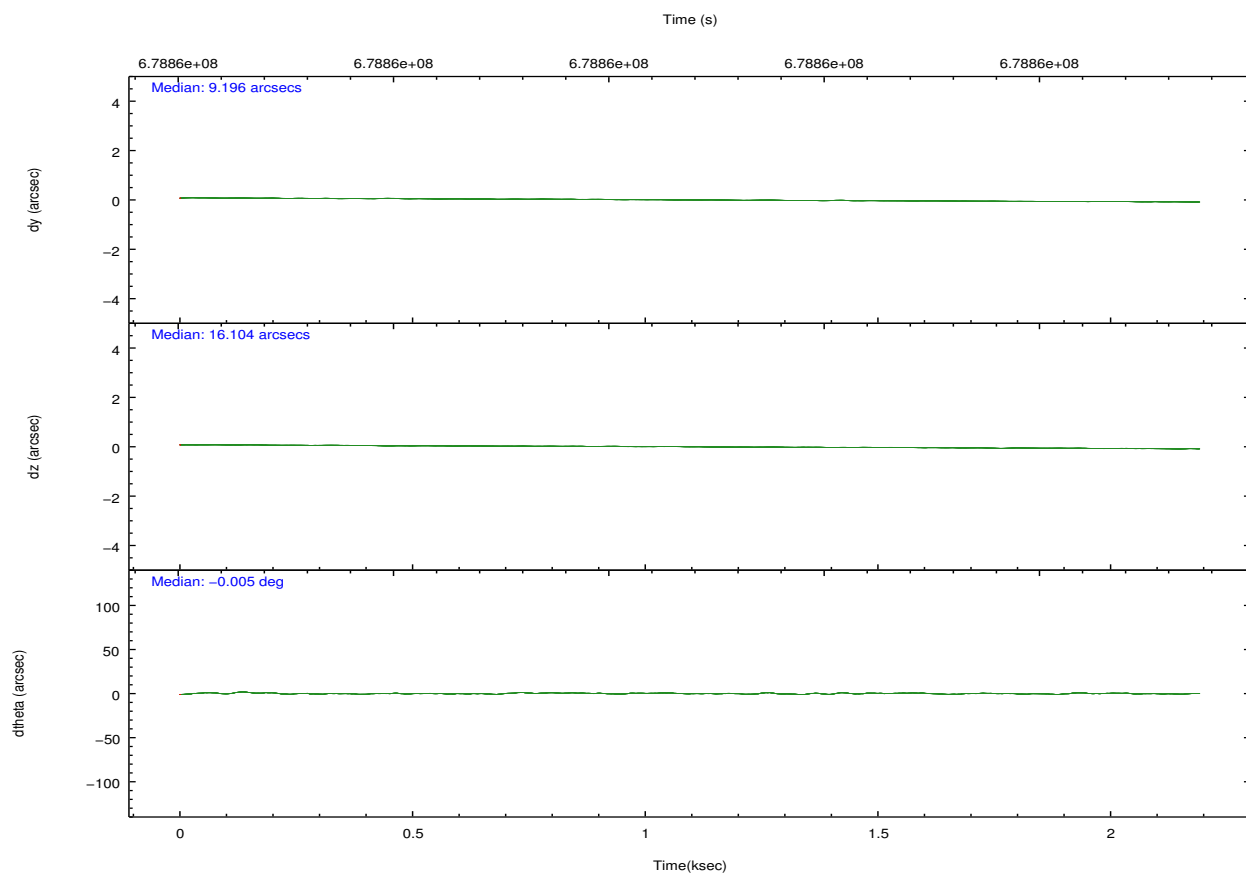
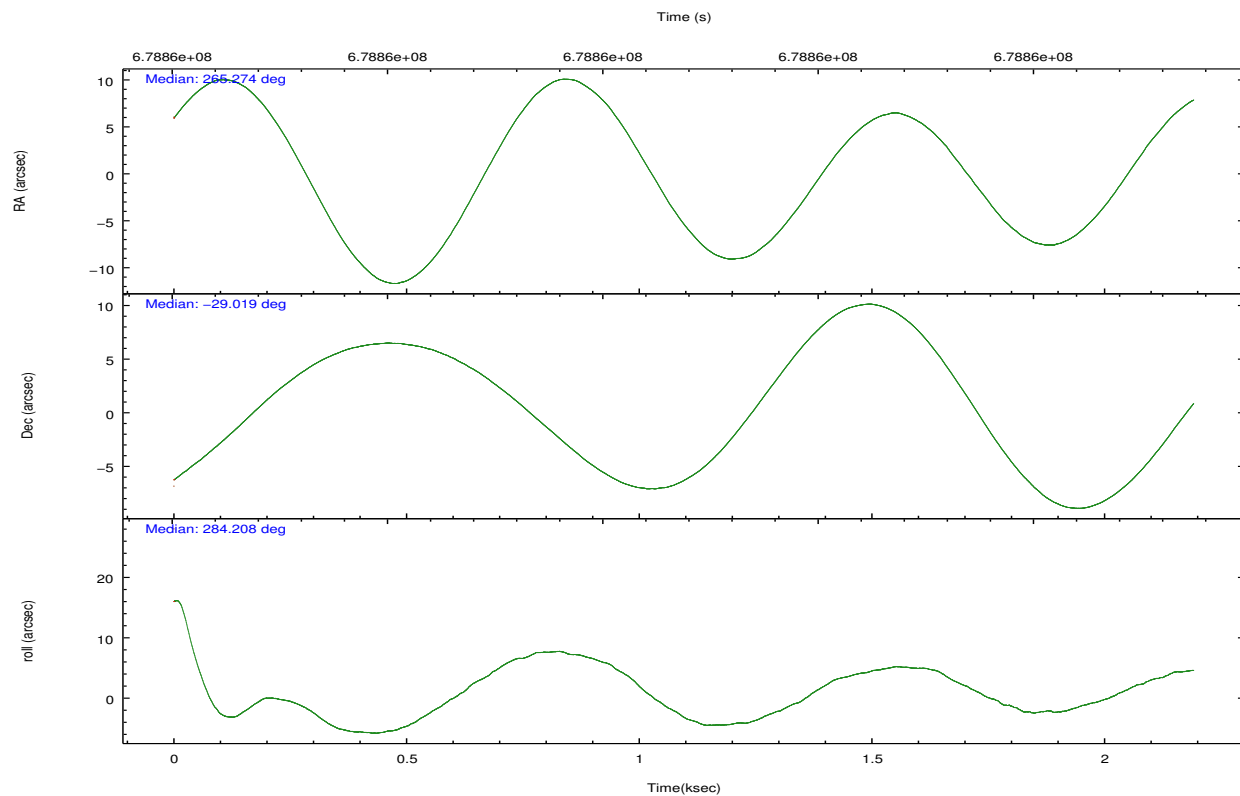
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	644	993	610	668
	4%	7%	4%	4%
grade 1 events	5	7	12	11
	0%	0%	0%	0%
grade 2 events	428	471	437	396
	3%	3%	2%	2%
grade 3 events	198	183	169	161
	1%	1%	1%	1%
grade 4 events	135	169	166	154
	1%	1%	1%	1%
grade 5 events	694	657	614	740
	5%	4%	4%	5%
grade 6 events	377	419	331	347
	2%	2%	2%	2%
grade 7 events	10924	11184	12262	11910
	81%	79%	83%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	265.252165	265.2743962865565	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.998807	-29.0186245926559	Alternating exposures requested	N	N
[deg] Pointing Roll	283.995243	284.2148412223056	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	678861785.184000	678861409.81765			
Observation start date	2019-07-07T04:41:56	2019-07-07T04:36:49			
[s] Observation end time (MET)	678863785.184000	678863919.53031			
Observation end date	2019-07-07T05:15:16	2019-07-07T05:18:39			
Read mode	TIMED	TIMED			

2.3 Aspect



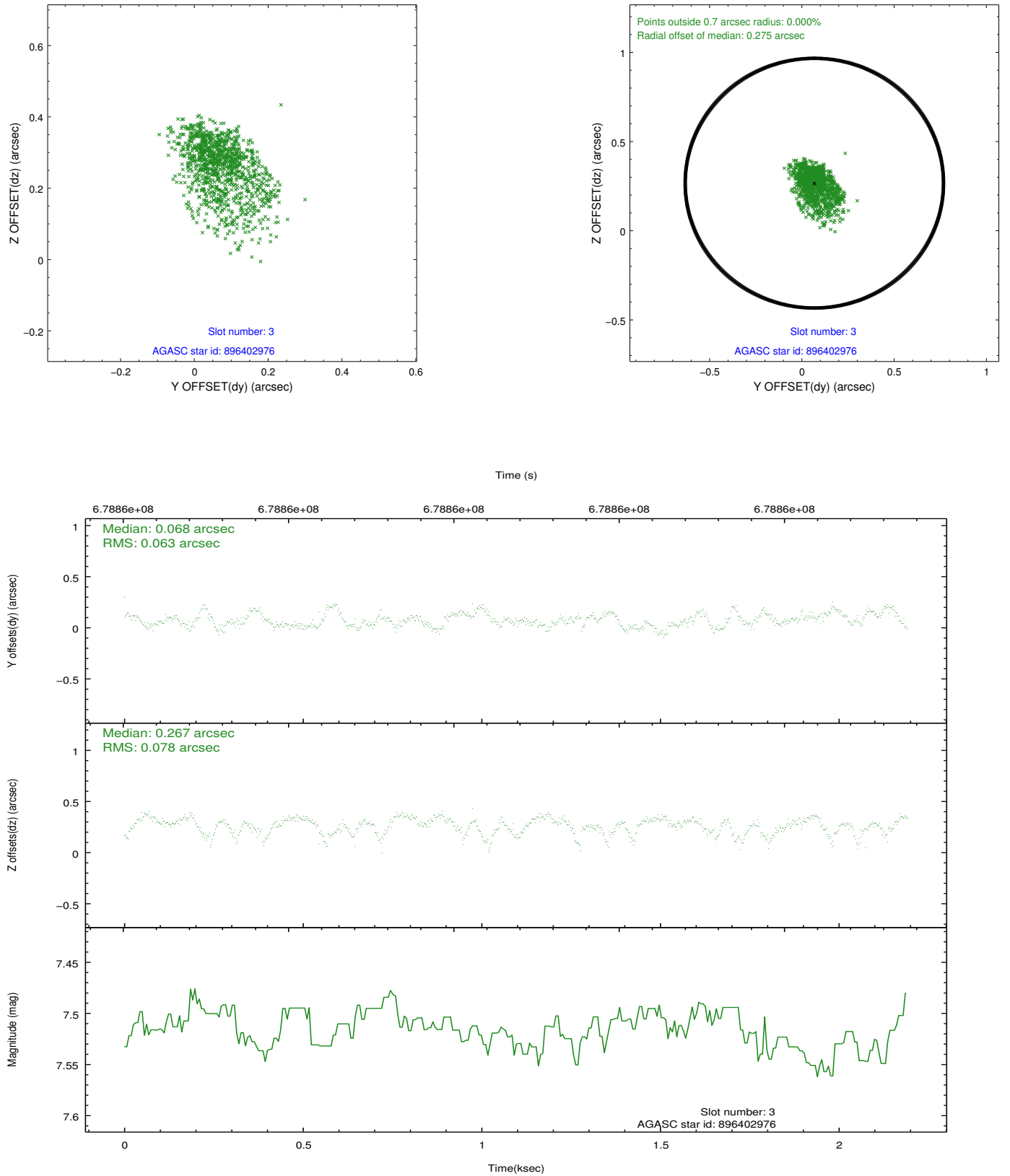


Slot Statistics

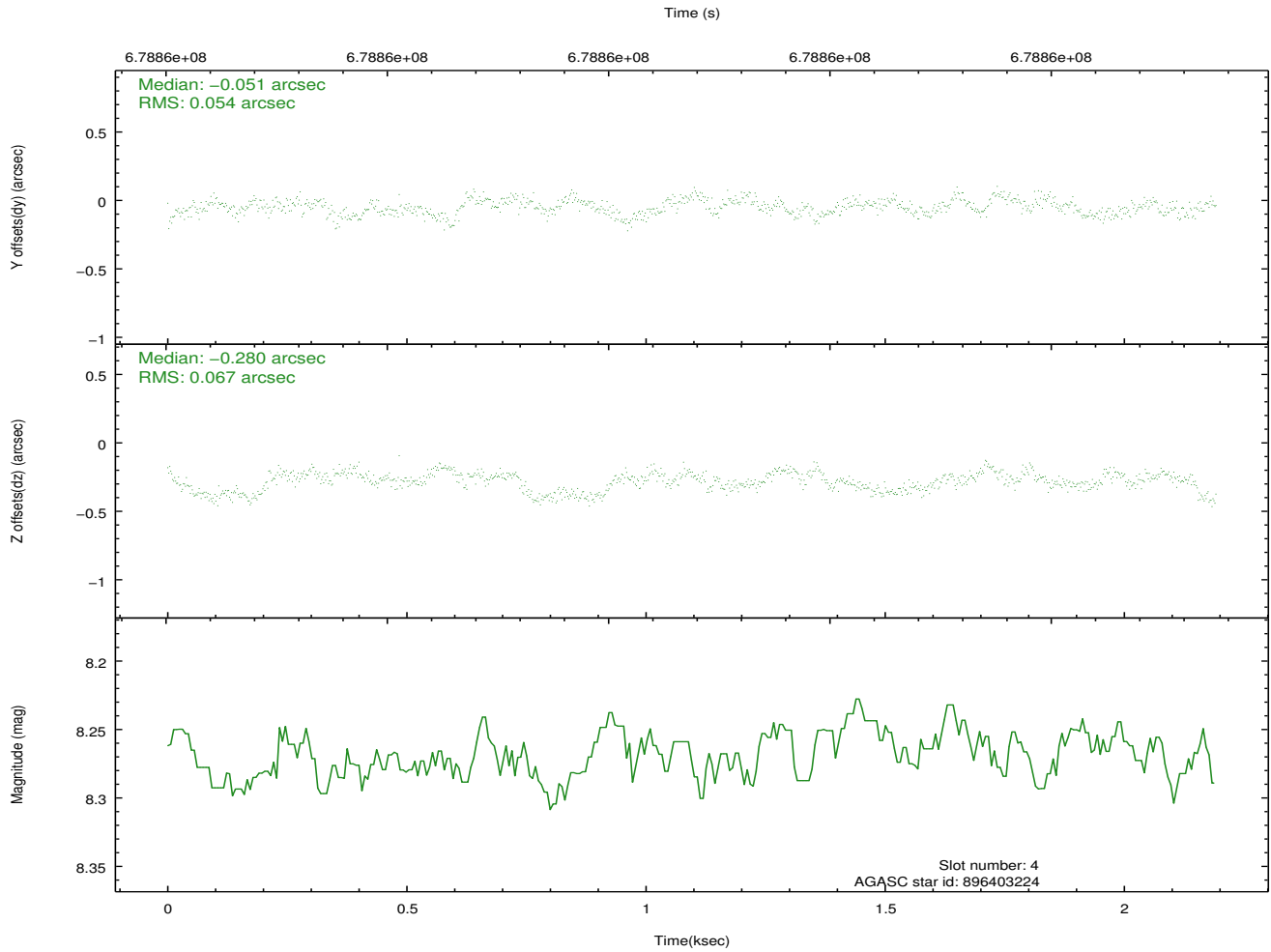
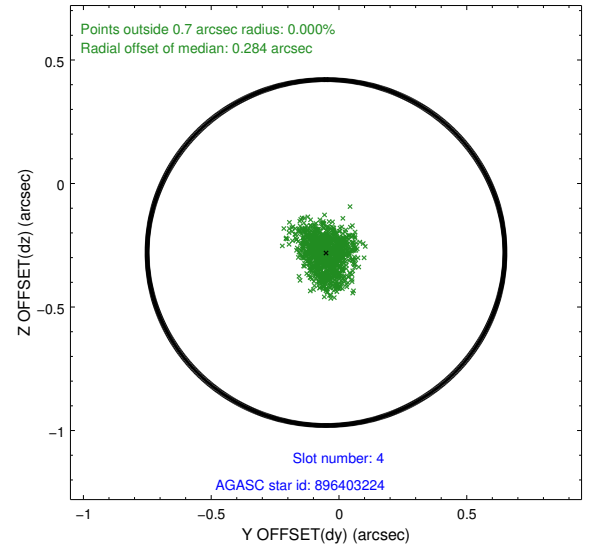
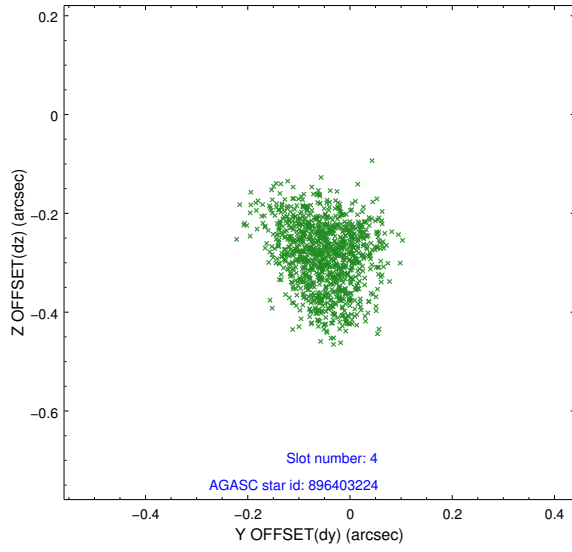
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-3	7.33	535	1.000	-0.052	0.062	0.007	0.012	0.000000	0.000000	47.84	-972
1	FID		ACIS-I-5	7.11	535	1.000	-0.380	-0.109	0.007	0.011	0.000000	0.000000	-1818.12	1055
2	FID		ACIS-I-6	7.09	535	1.000	0.341	0.117	0.006	0.011	0.000000	0.000000	392.98	1704
3	GUIDE	used	896402976	7.52	1069	1.000	0.068	0.267	0.103	0.179	265.099474	-28.923203	-380.00	-401
4	GUIDE	used	896403224	8.27	1070	1.000	-0.051	-0.280	0.093	0.147	265.612825	-29.438915	1812.39	712
5	GUIDE	used	896404376	6.68	1070	1.000	0.063	0.127	0.087	0.144	264.835179	-29.530972	1547.49	-1730
6	GUIDE	used	896404568	7.83	1070	1.000	-0.145	-0.031	0.111	0.179	265.687293	-28.431080	-1646.59	1828
7	GUIDE	used	896405480	8.24	1068	1.000	0.060	-0.062	0.106	0.178	265.220460	-29.599691	2073.58	-617

2.4 Star Slots

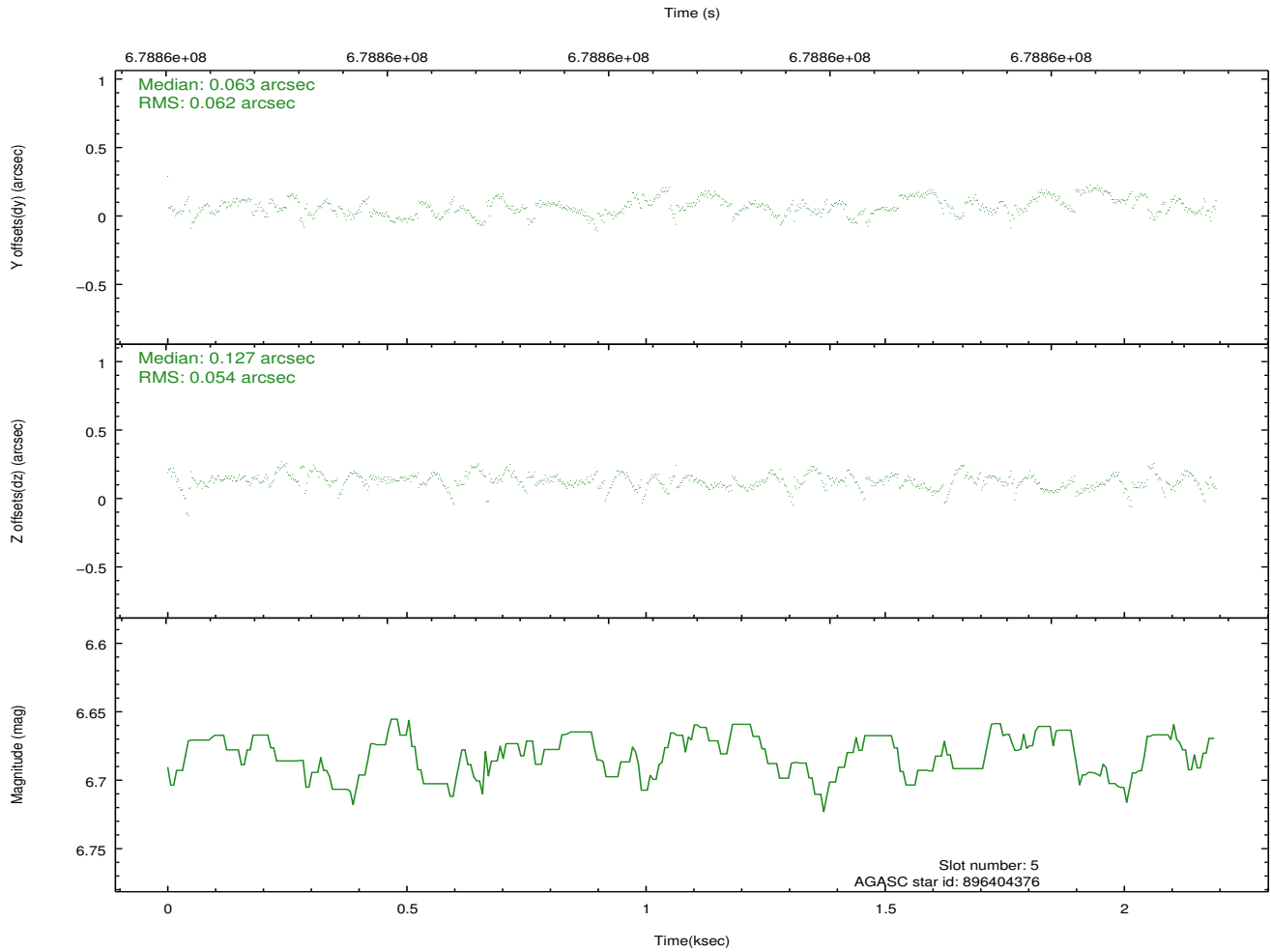
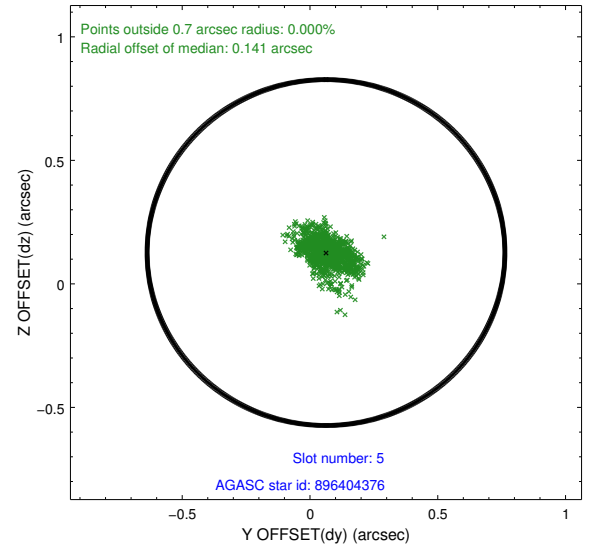
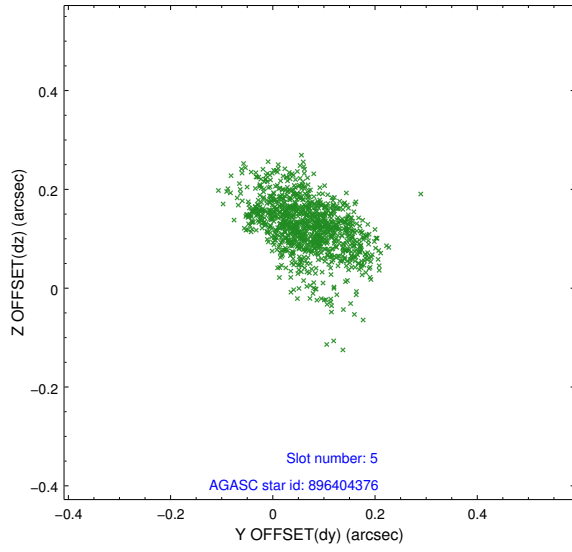
2.4.1 Slot 3



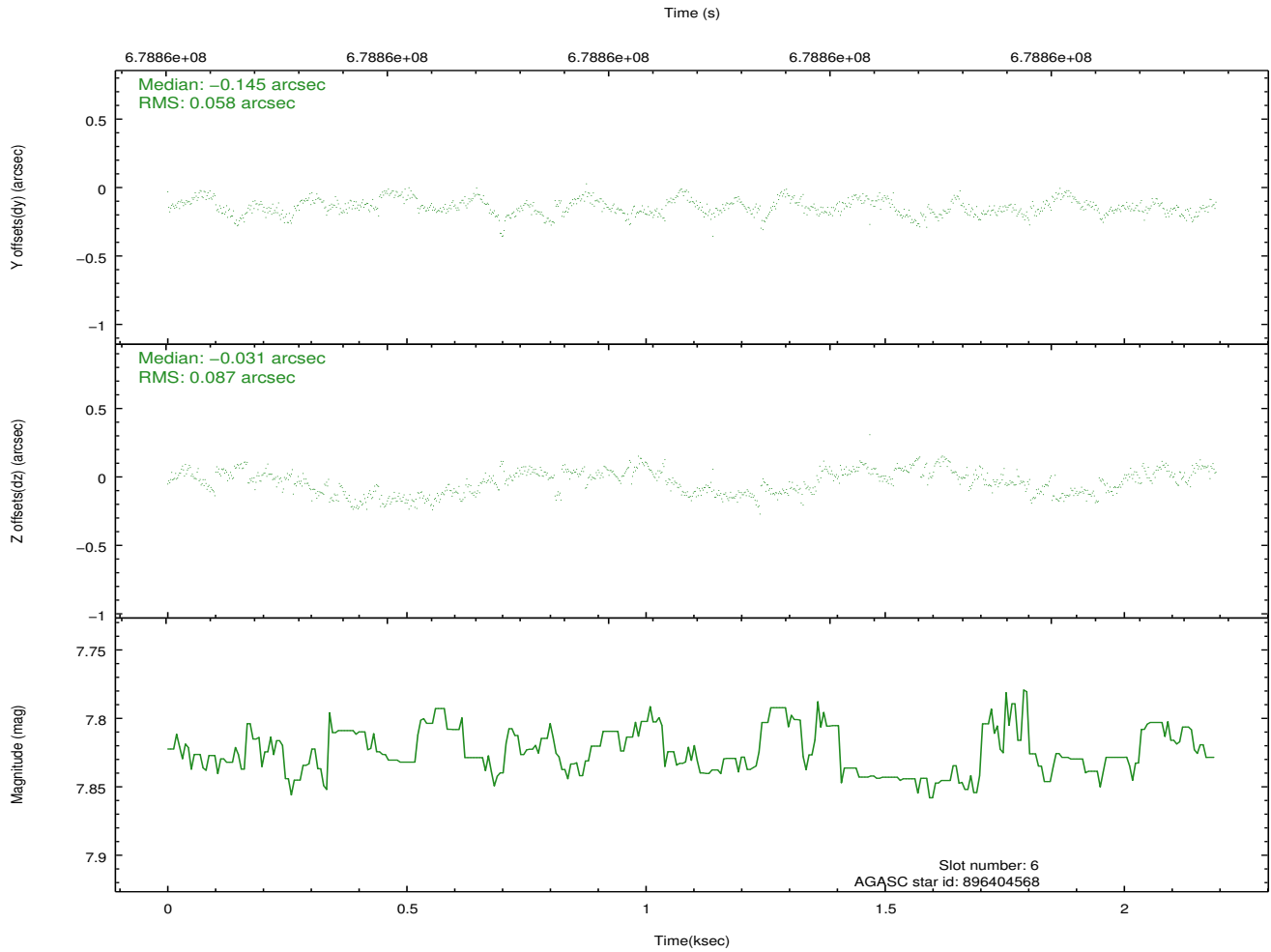
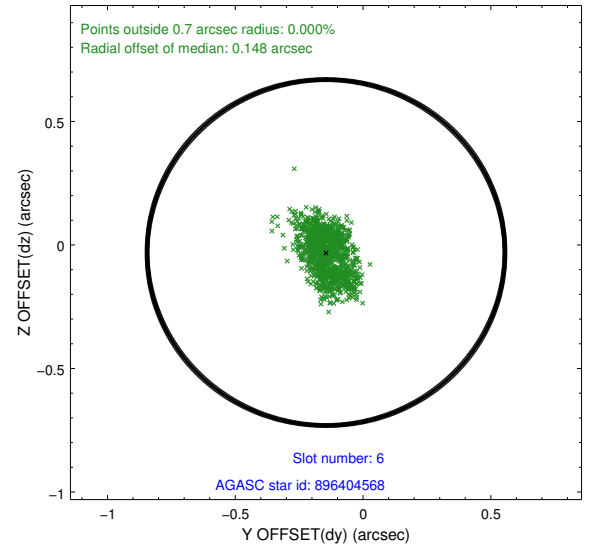
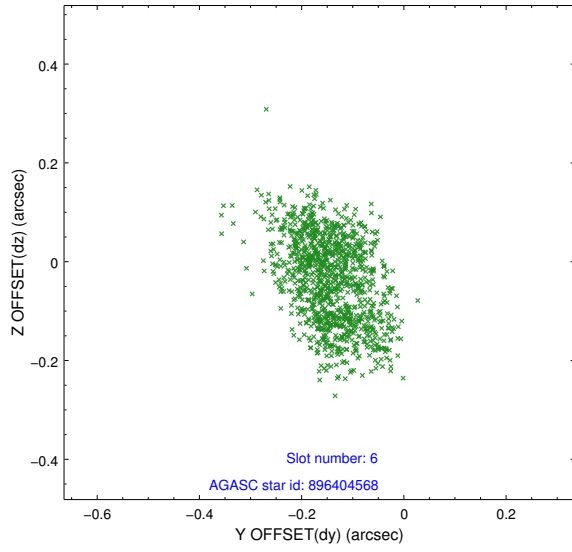
2.4.2 Slot 4



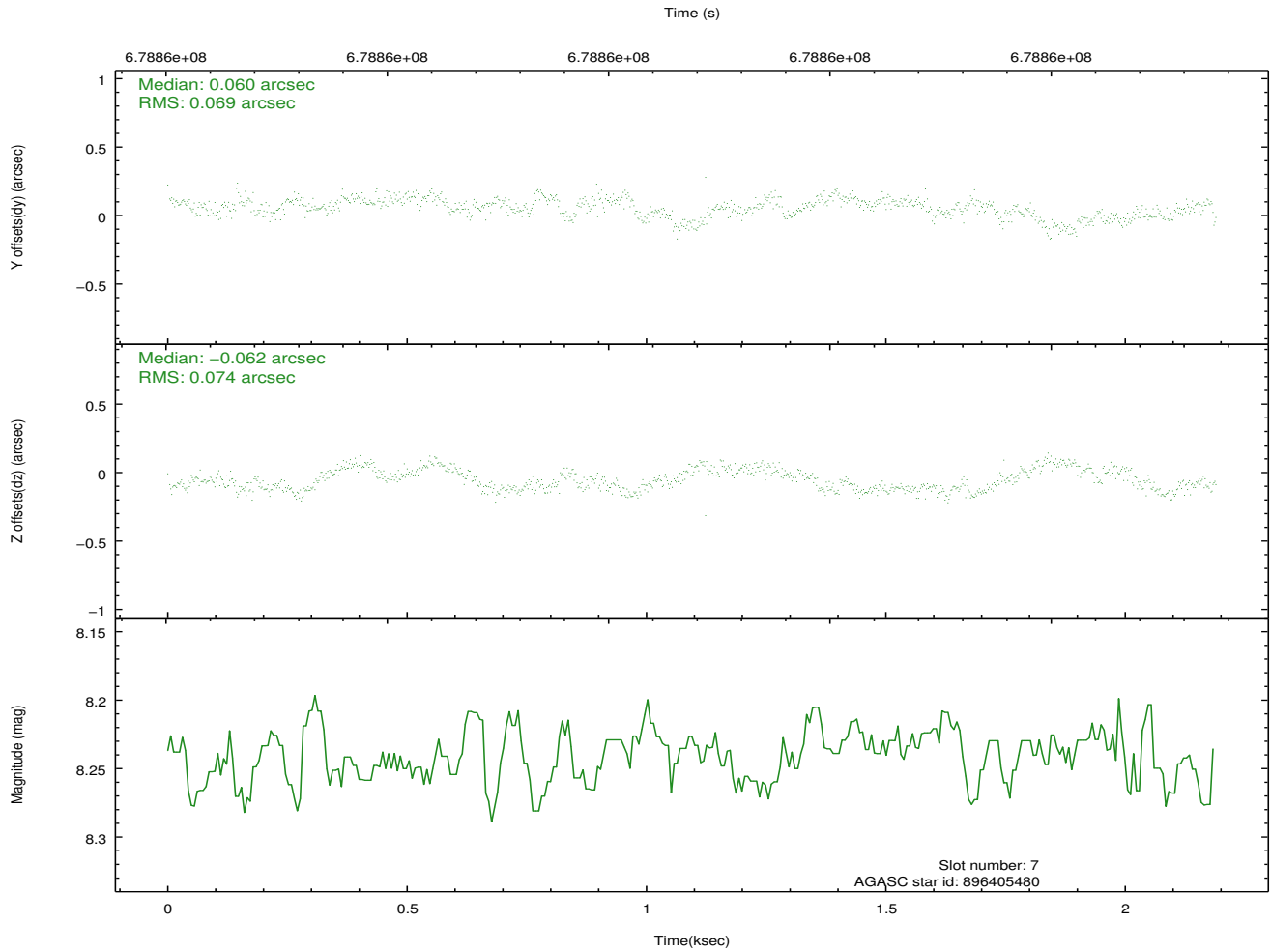
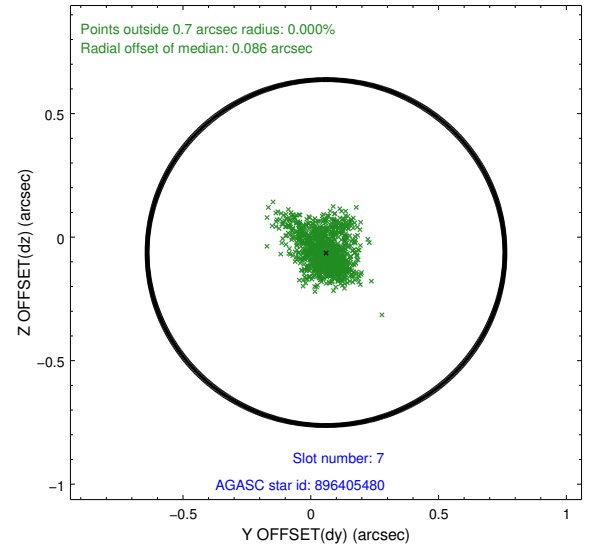
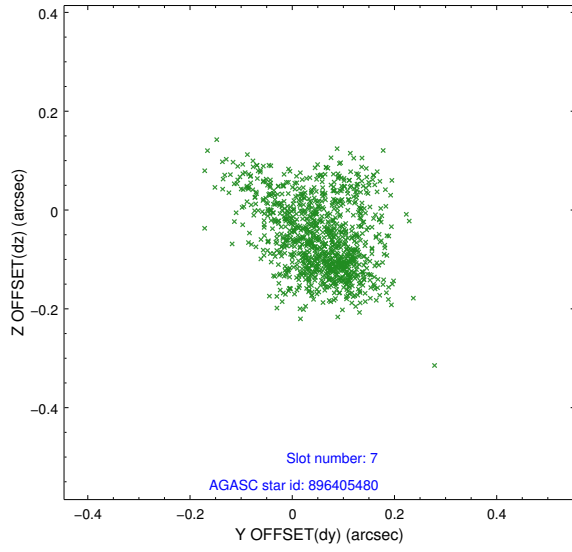
2.4.3 Slot 5



2.4.4 Slot 6

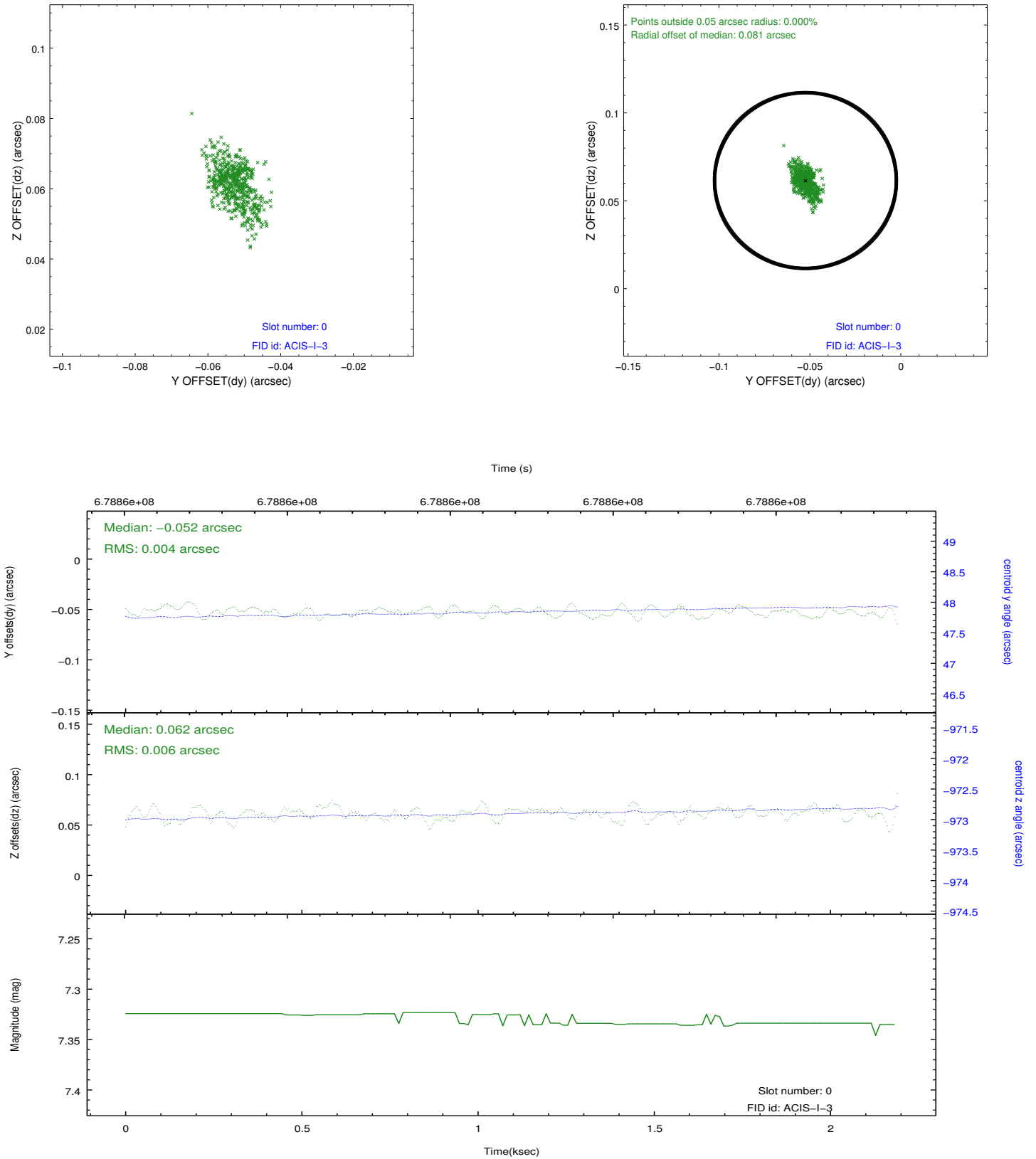


2.4.5 Slot 7

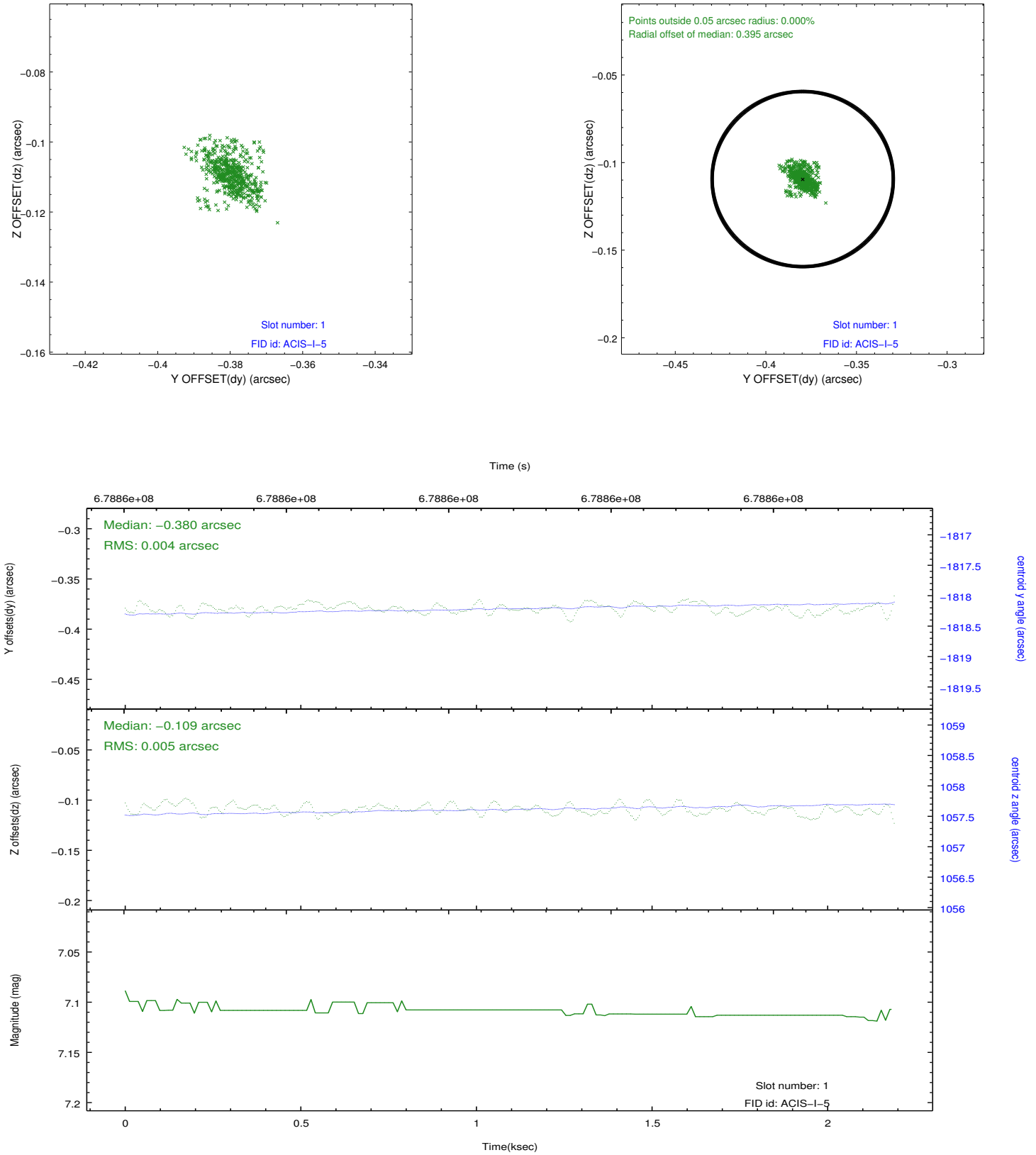


2.5 FID Slots

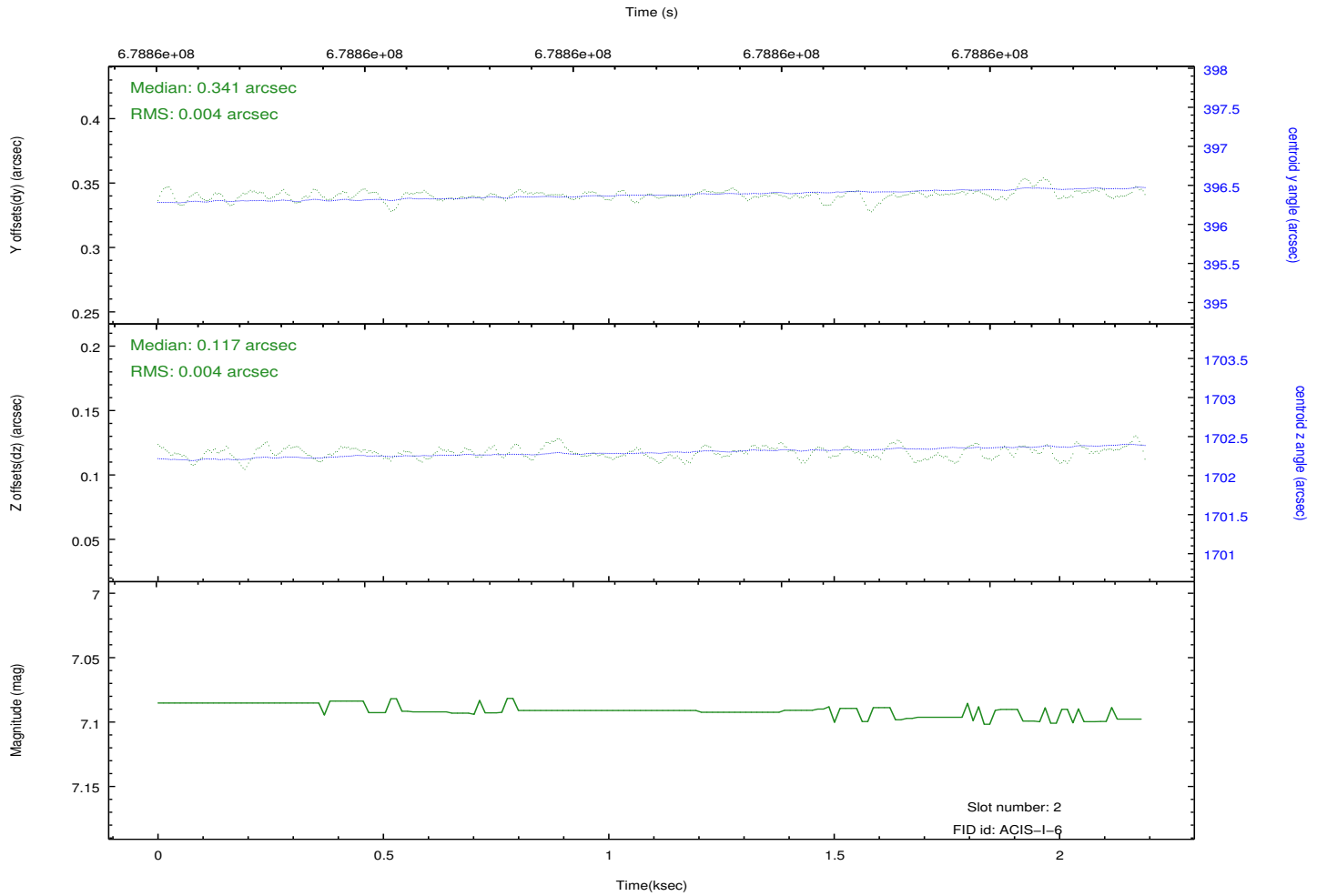
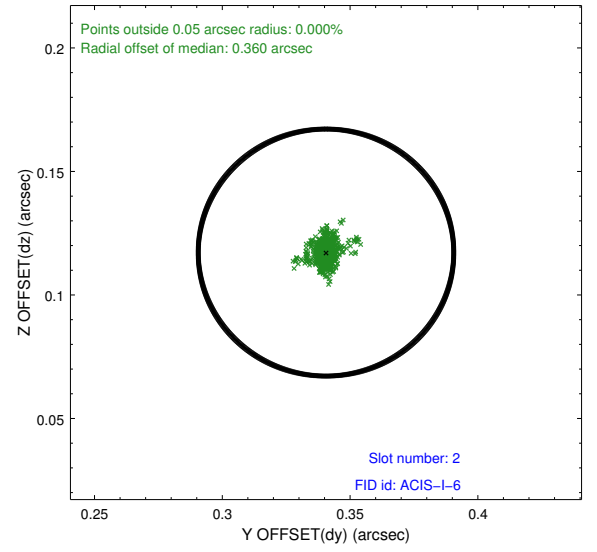
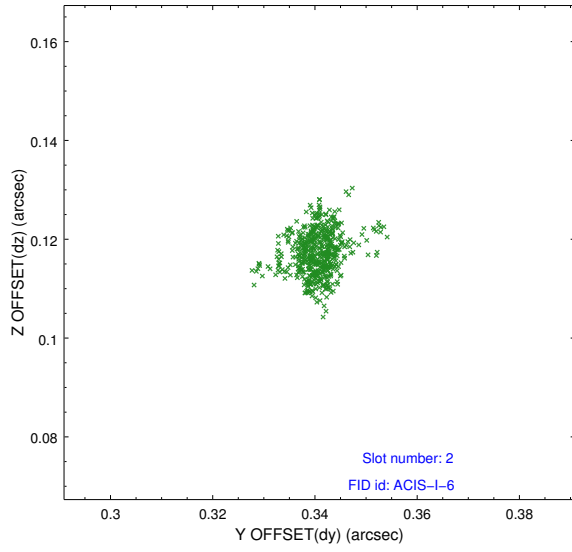
2.5.1 Slot 0



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)	2019.07.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.9086219558716

A.2 Comments