

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 18673 - L2 Version 1
Chandra X-Ray Center

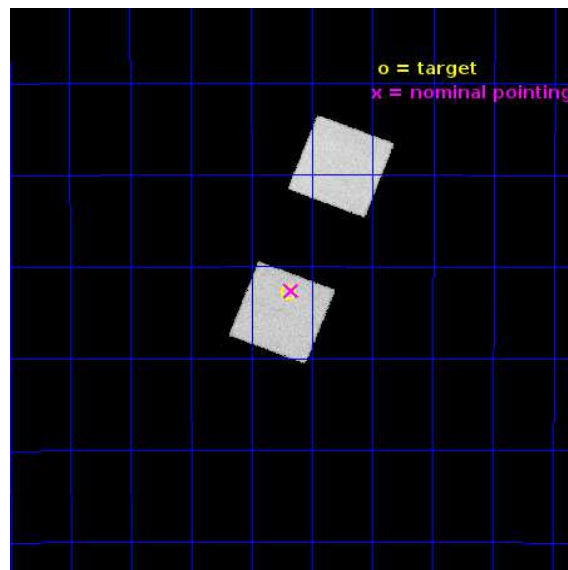
L2 Processing Date : Sep 27 2015

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1 Front

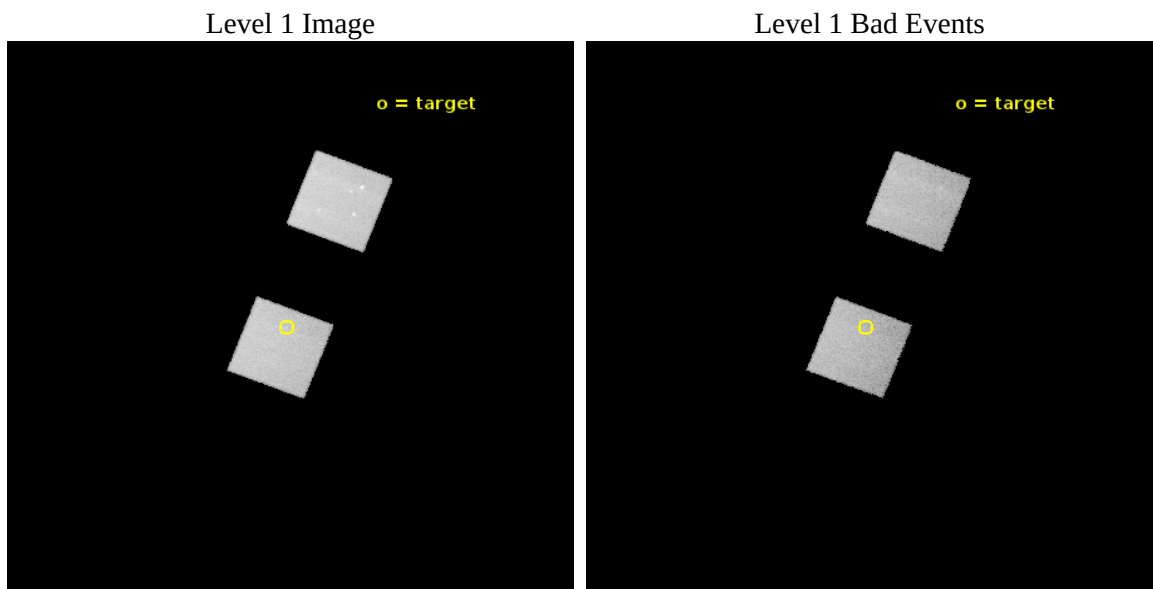
seq_num	300337	Sequence number
obs_id	18673	Observation id
title	Mutual influence between the two stars in T Pyxidis	Proposal title
observer	Dr. Jennifer Sokoloski	Principal investigator
object	T Pyx	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.172917	Observer's specified target RA [deg]
dec_targ	-32.379861	Observer's specified target Dec [deg]
ra_nom	136.16737035935	Nominal RA [deg]
dec_nom	-32.377163827637	Nominal Dec [deg]
roll_nom	111.15362477758	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20102.432642102	Sum of GTIs [s]
livetime	19831.142611181	Livetime [s]
ontime5	20102.391602159	Sum of GTIs [s]
ontime7	20102.432642102	Sum of GTIs [s]
l2events	137359	Number of level 2 events



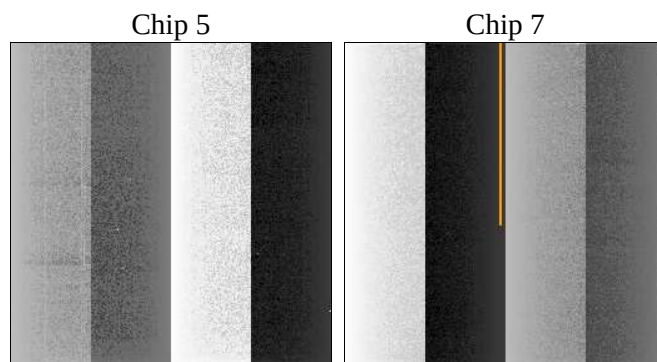
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	20102.432642102	Sum of GTIs [s]
caldsver	4.6.8	 	ontime5	20102.391602159	Sum of GTIs [s]
date	2015-09-27T03:44:52	Date and time of file creation	ontime7	20102.432642102	Sum of GTIs [s]
revision	1	Processing version of data	l1events	313129	Number of level 1 events

2.1.4 Events

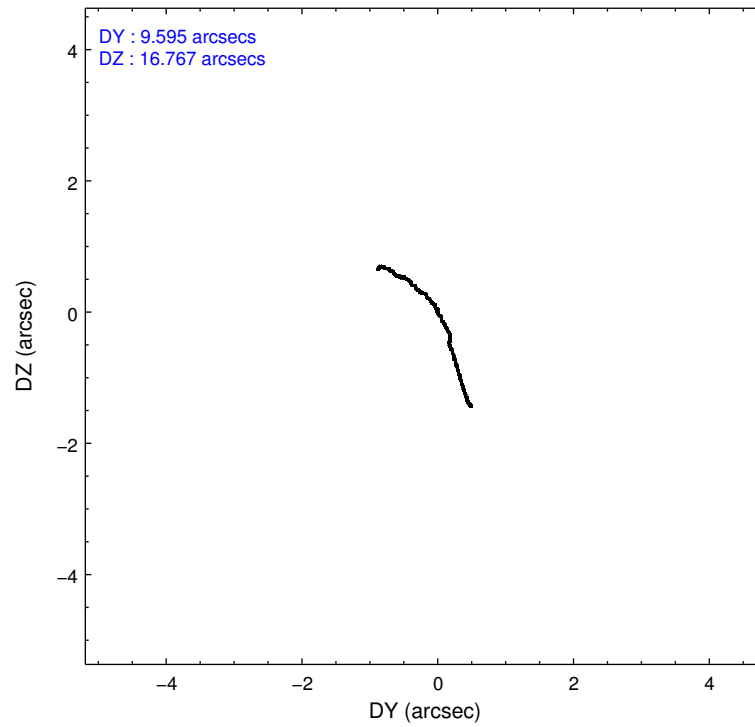
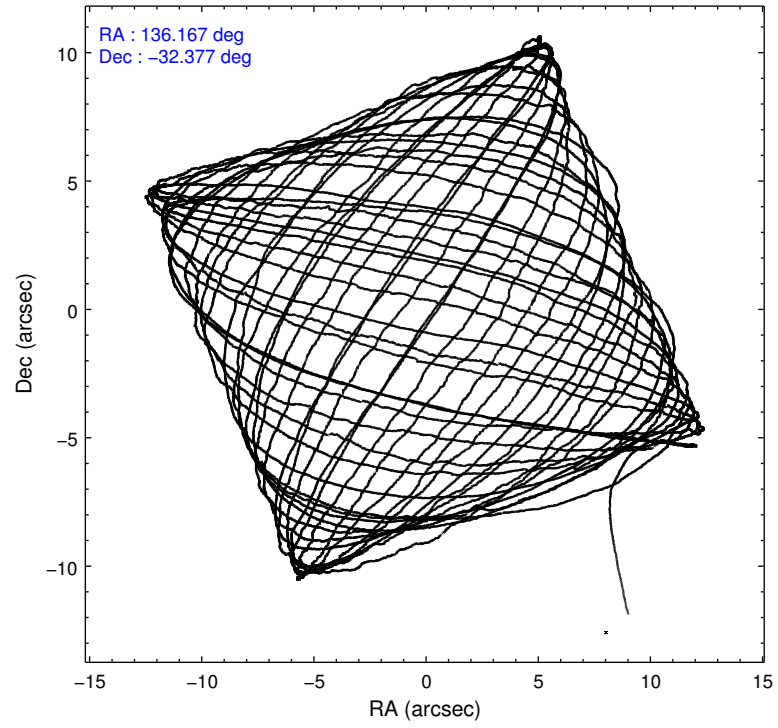
	ccd 5	ccd 7
level 1 events	173218	139911
rejected events	90244	80098
rejected %	52%	57%

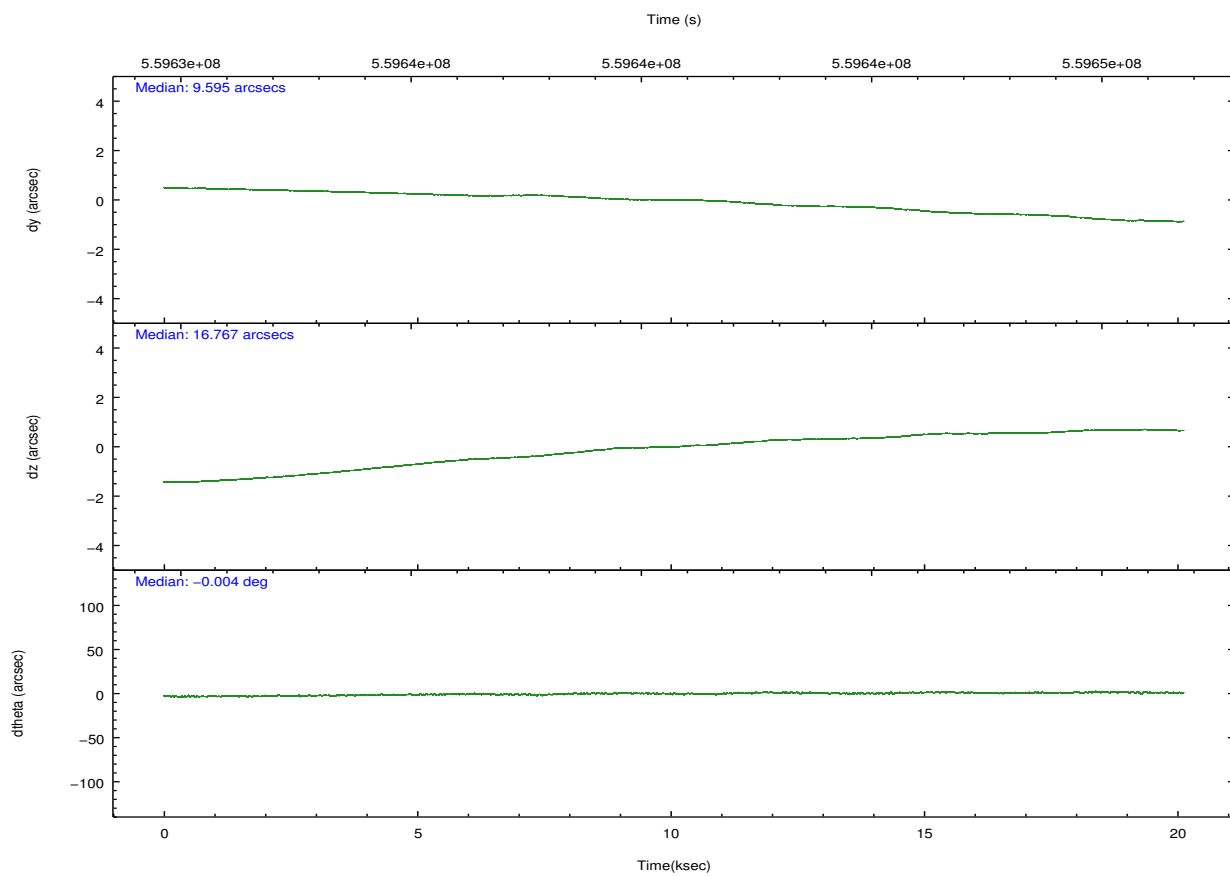
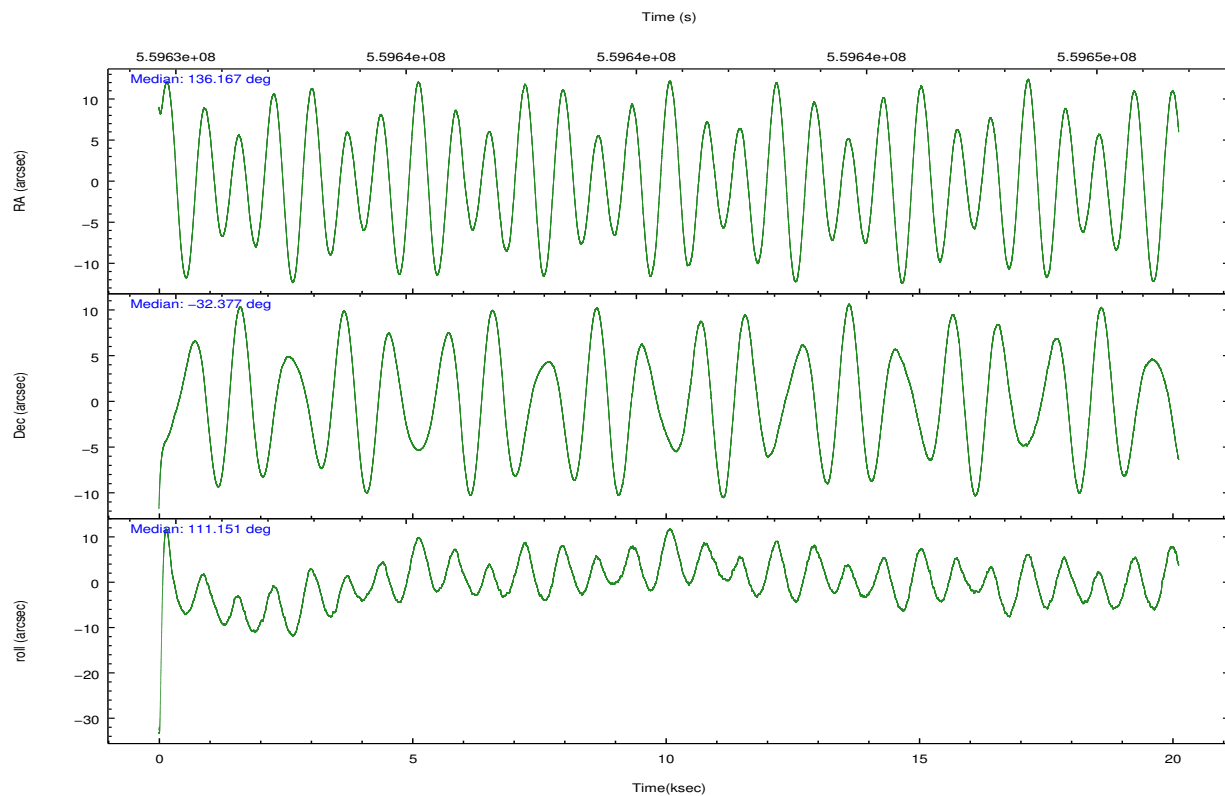
	ccd 5	ccd 7
grade 0 events	6424	5009
	3%	3%
grade 1 events	463	151
	0%	0%
grade 2 events	25143	12527
	14%	8%
grade 3 events	2563	4609
	1%	3%
grade 4 events	2449	4499
	1%	3%
grade 5 events	11729	13729
	6%	9%
grade 6 events	46422	33185
	26%	23%
grade 7 events	78025	66202
	45%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-57	ACIS-57	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	136.192920	136.1673703593525	Subarray requested	NONE	NONE
[deg] Pointing Dec	-32.394089	-32.37716382763686	Alternating exposures requested	N	N
[deg] Pointing Roll	111.010717	111.1536247775759	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	559630769.184000	559629530.90372			
Observation start date	2015-09-26T04:58:21	2015-09-26T04:38:50			
[s] Observation end time (MET)	559650769.184000	559651783.14248			
Observation end date	2015-09-26T10:31:41	2015-09-26T10:49:43			
Read mode	TIMED	TIMED			

2.3 Aspect



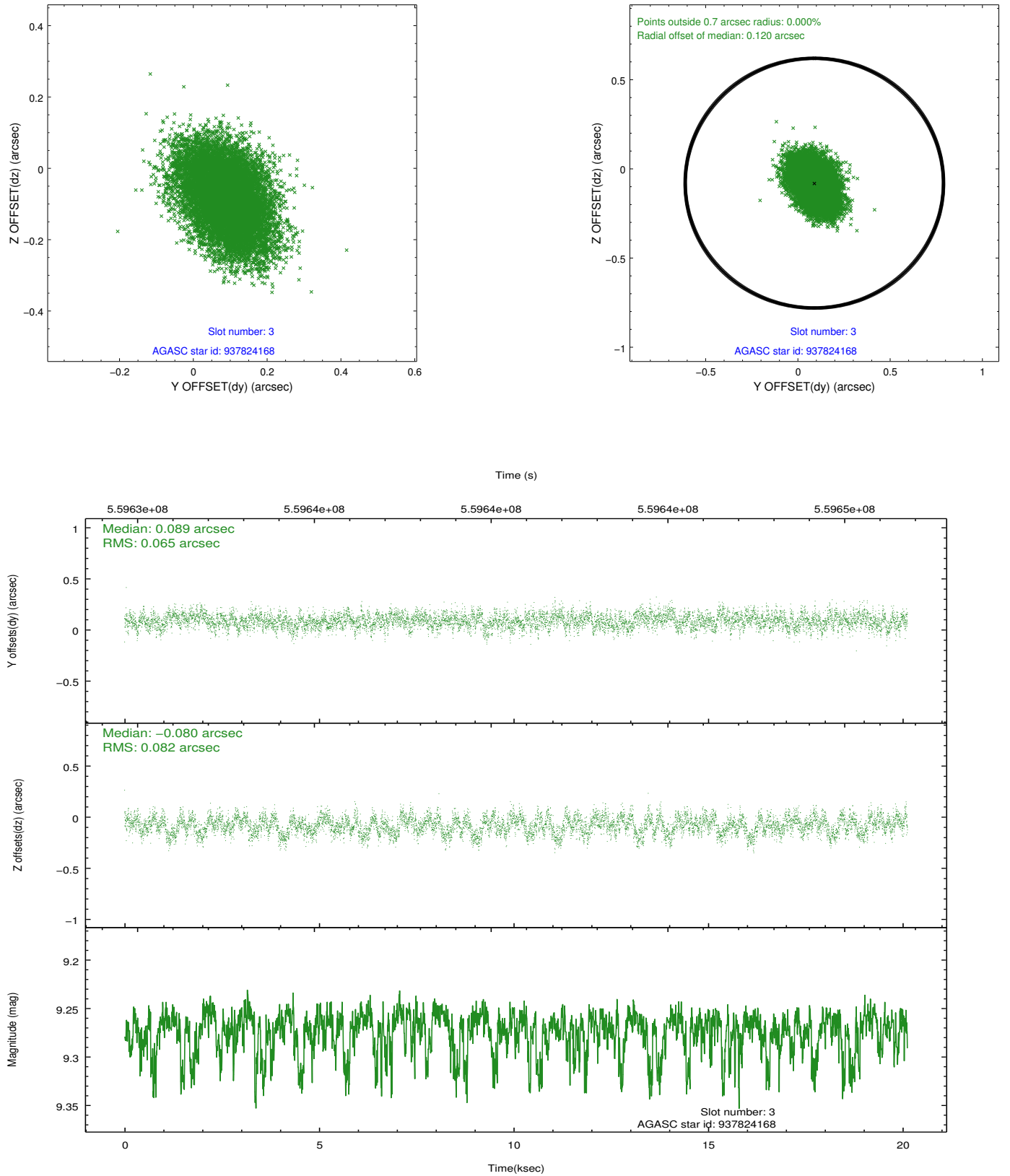


Slot Statistics

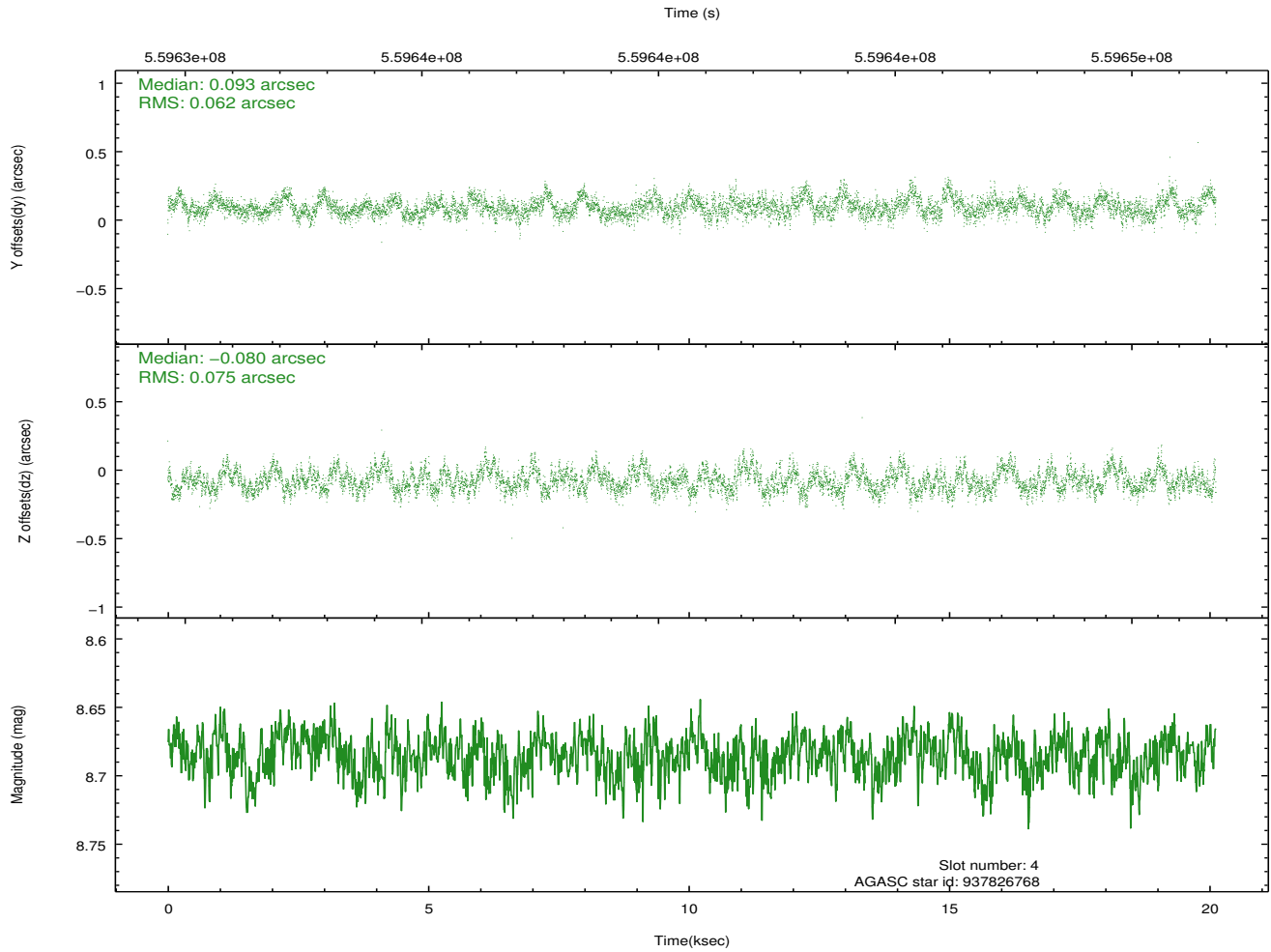
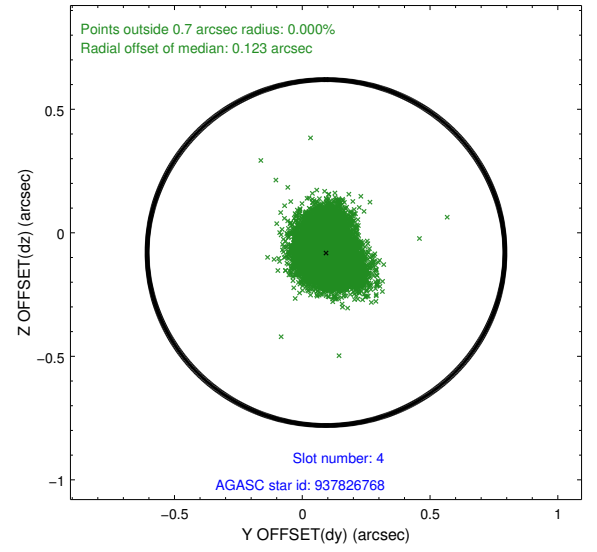
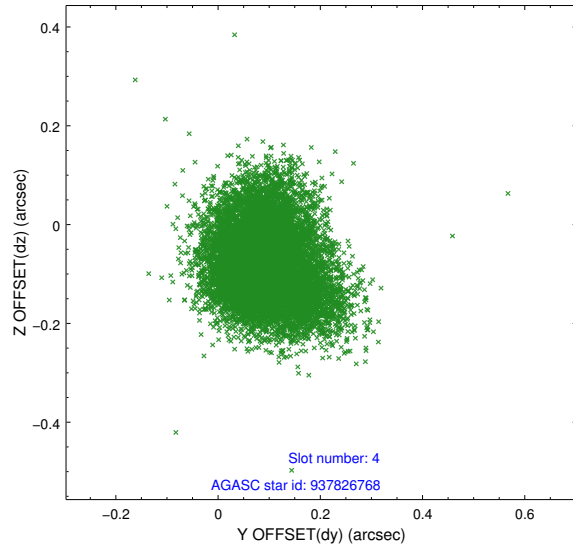
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	4908	-0.133	-0.100	0.029	0.047	0.000000	0.000000	-762.45	-1738.09
1	FID		ACIS-S-4	7.22	4908	0.390	0.091	0.021	0.040	0.000000	0.000000	2151.26	170.39
2	FID		ACIS-S-5	7.24	4909	-0.283	0.020	0.024	0.045	0.000000	0.000000	-1815.21	164.19
3	GUIDE	used	937824168	9.27	9808	0.089	-0.080	0.111	0.182	135.922945	-32.911857	-1448.21	1430.49
4	GUIDE	used	937826768	8.68	9809	0.093	-0.080	0.104	0.166	135.967374	-32.659484	-647.33	981.25
5	GUIDE	used	937829280	8.86	9805	-0.275	-0.180	0.087	0.141	135.716733	-31.898439	2184.98	720.95
6	GUIDE	used	937839048	9.37	9810	0.082	0.081	0.124	0.205	136.496287	-32.832453	-1802.86	-290.07
7	GUIDE	used	937297072	8.87	9809	0.010	0.265	0.119	0.185	136.754791	-31.833481	1263.90	-2325.72

2.4 Star Slots

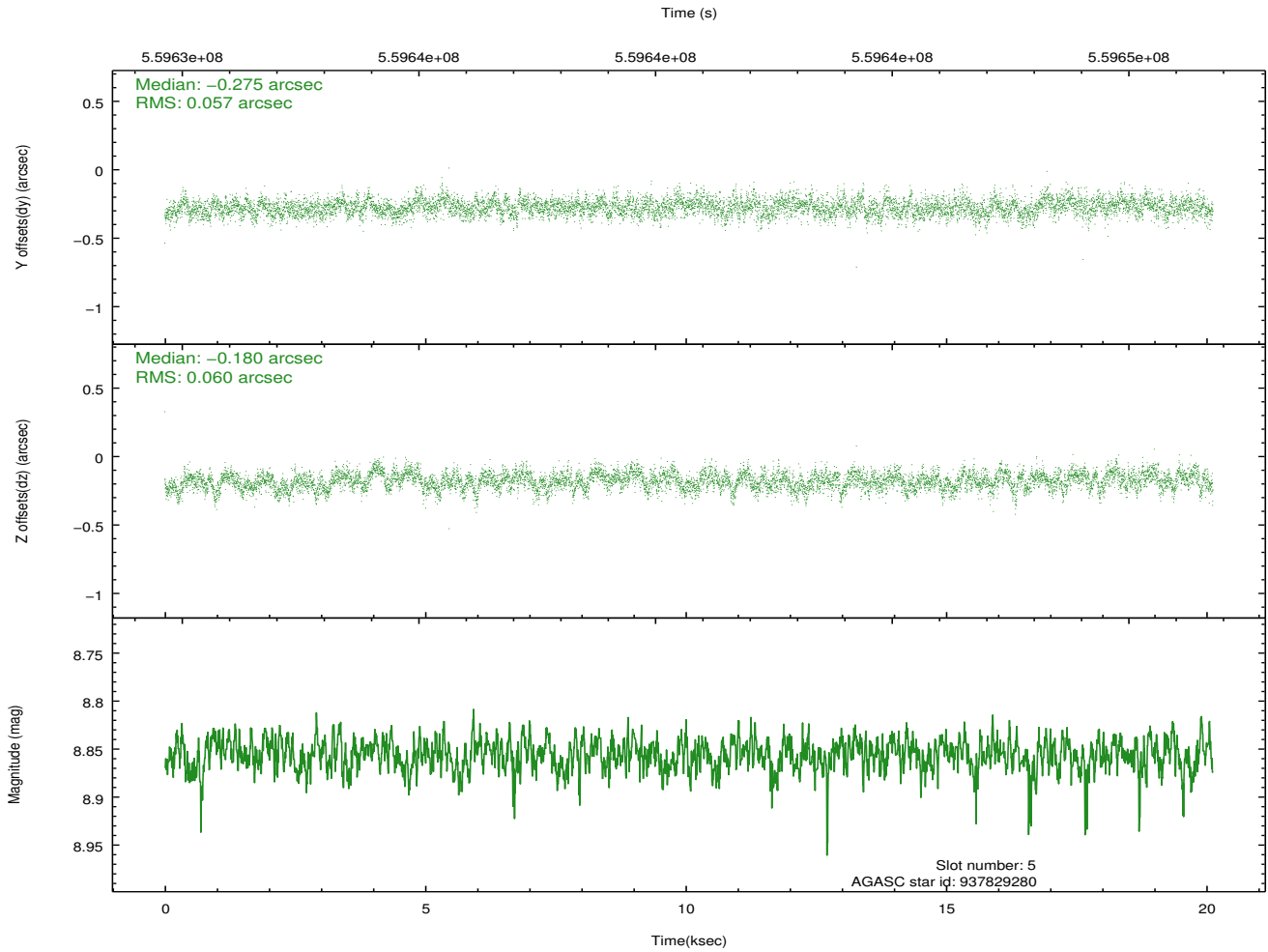
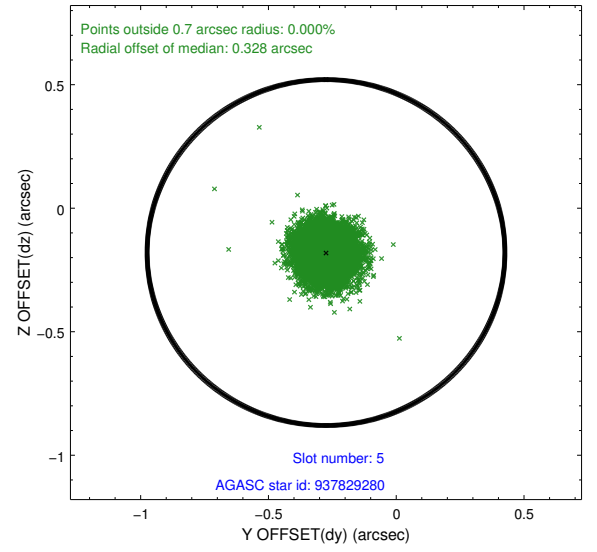
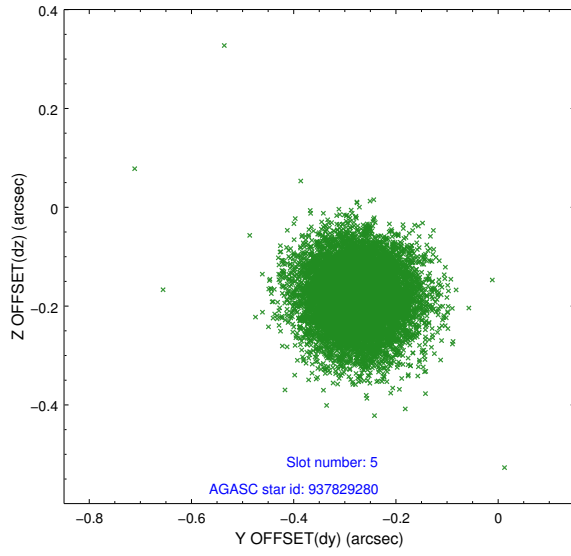
2.4.1 Slot 3



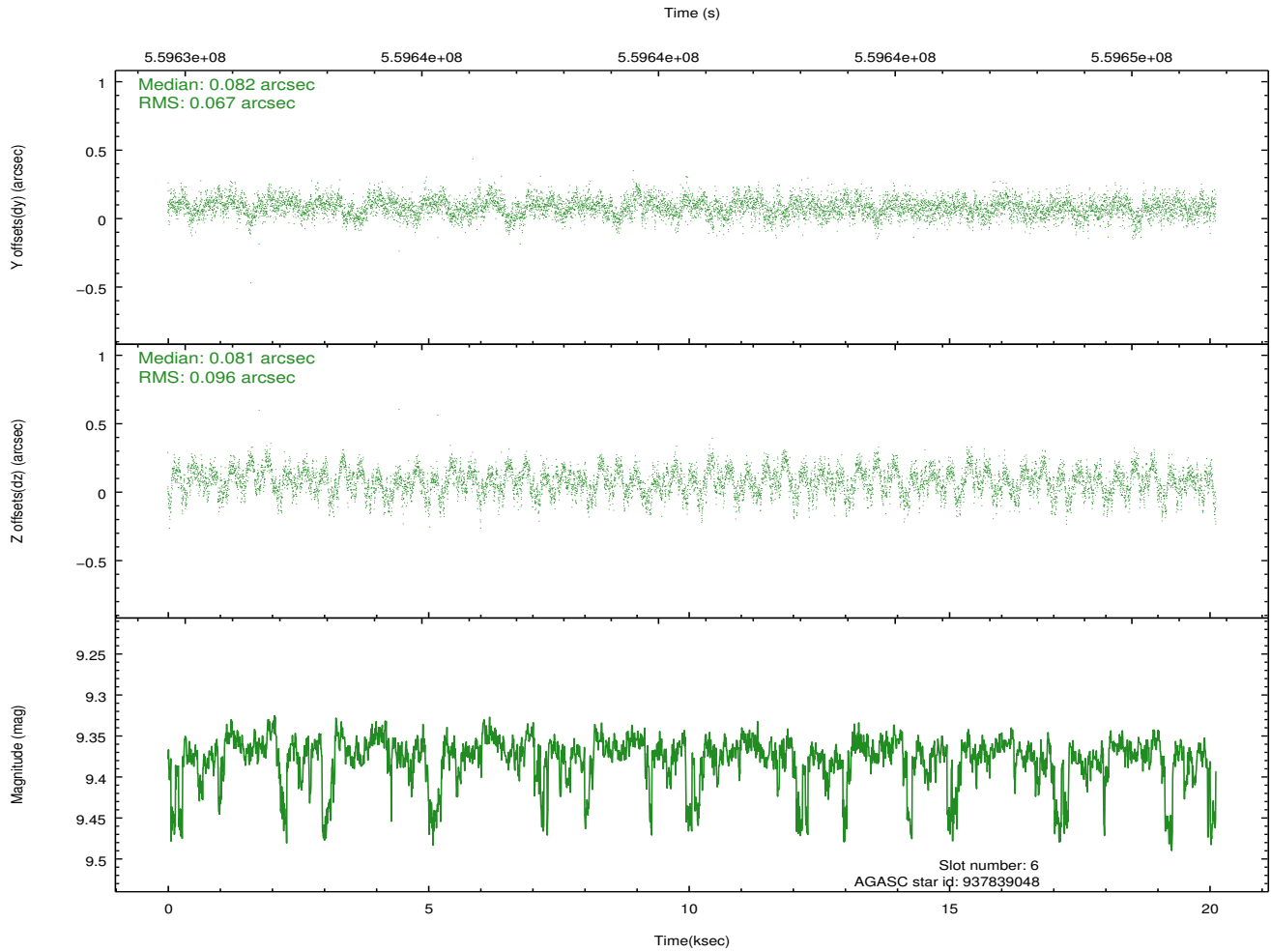
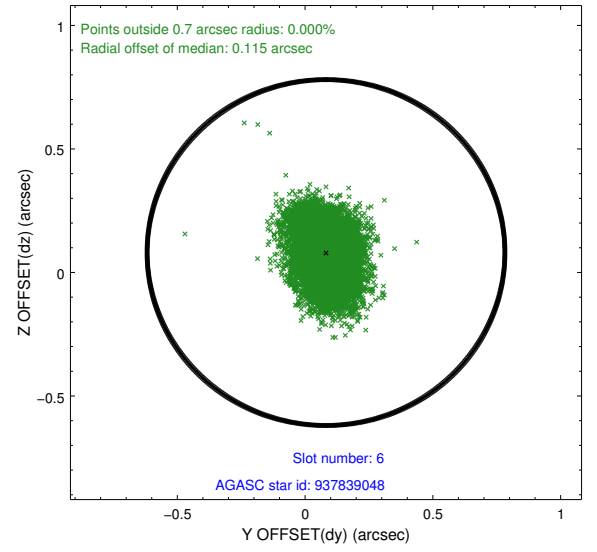
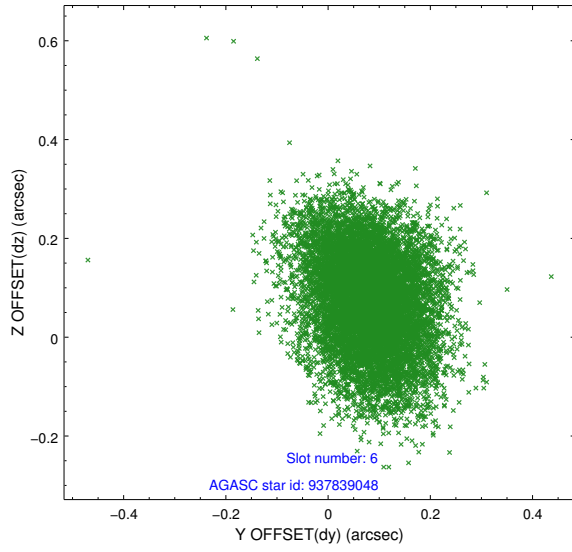
2.4.2 Slot 4



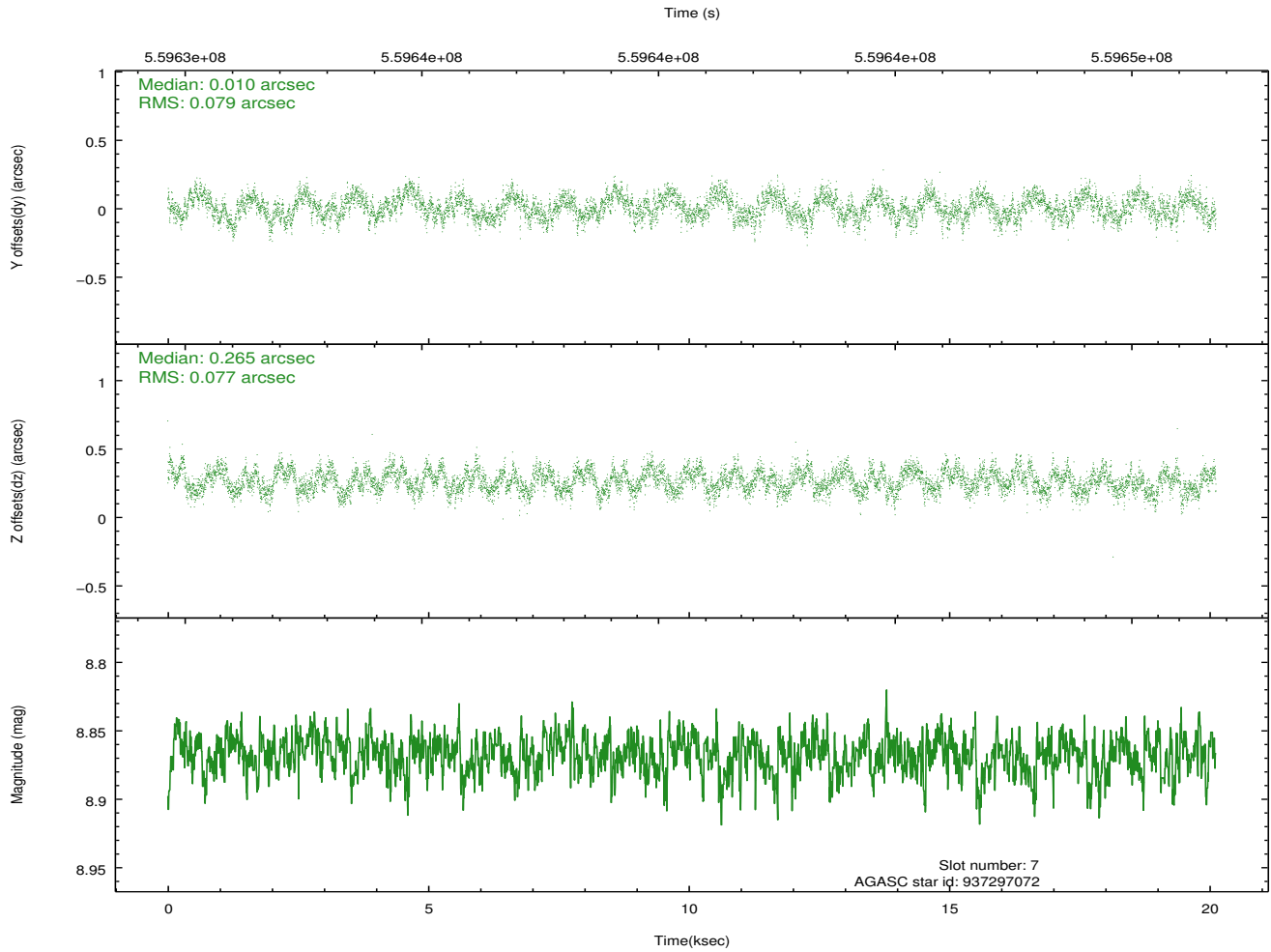
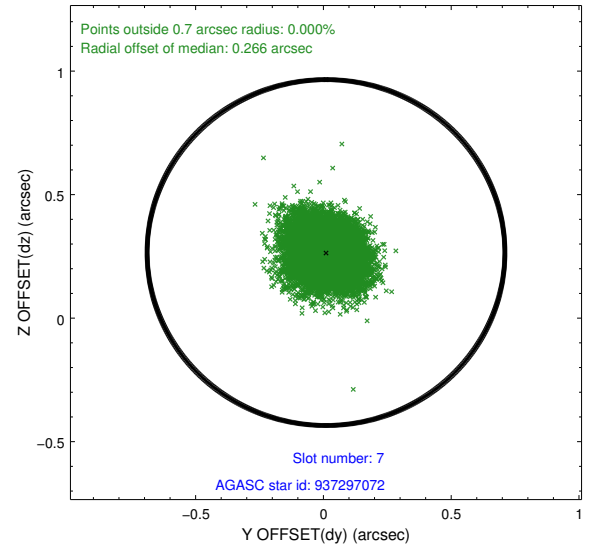
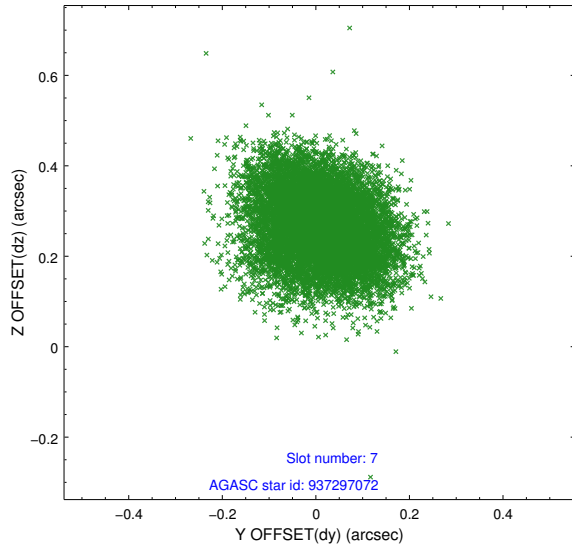
2.4.3 Slot 5



2.4.4 Slot 6

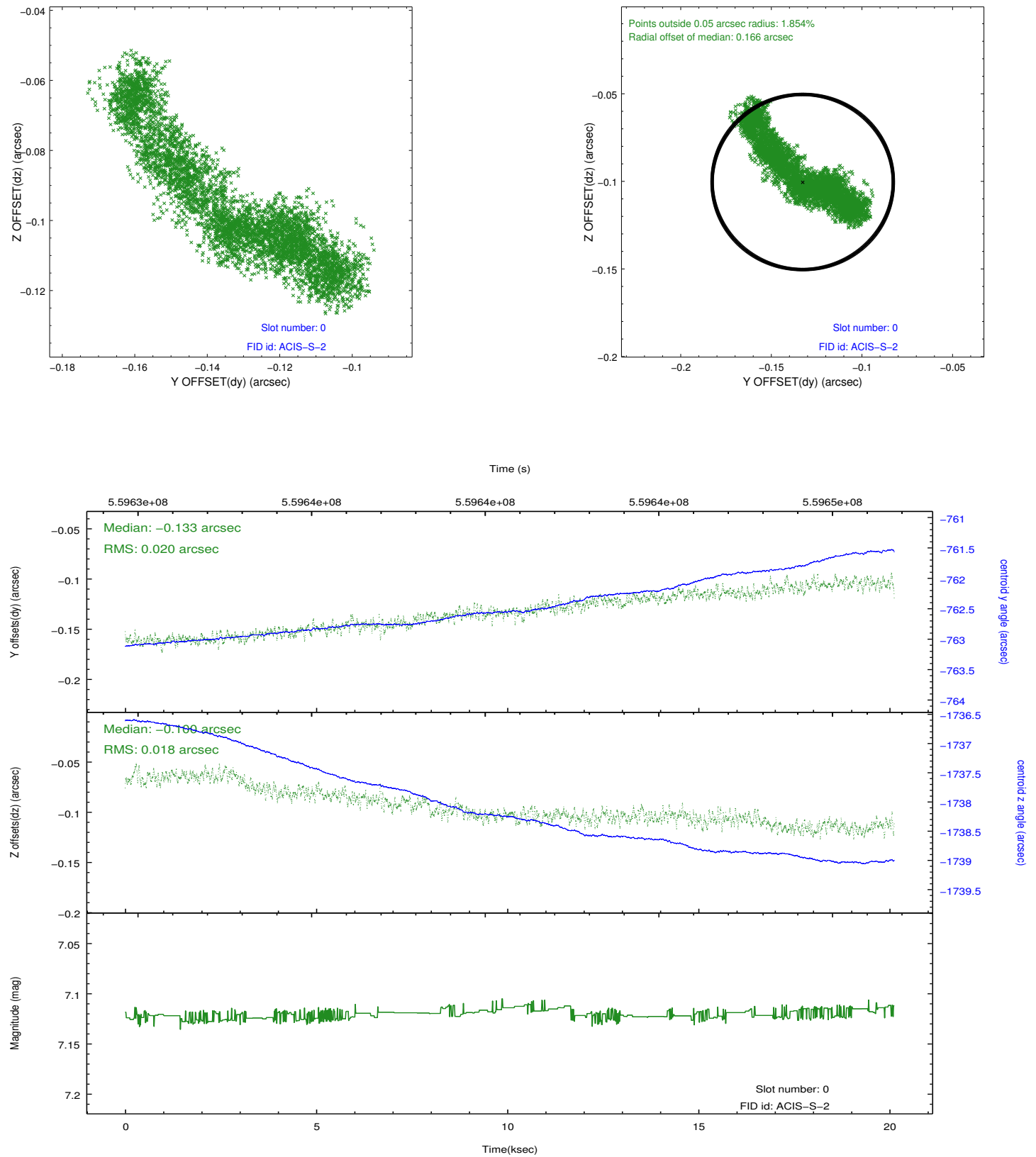


2.4.5 Slot 7

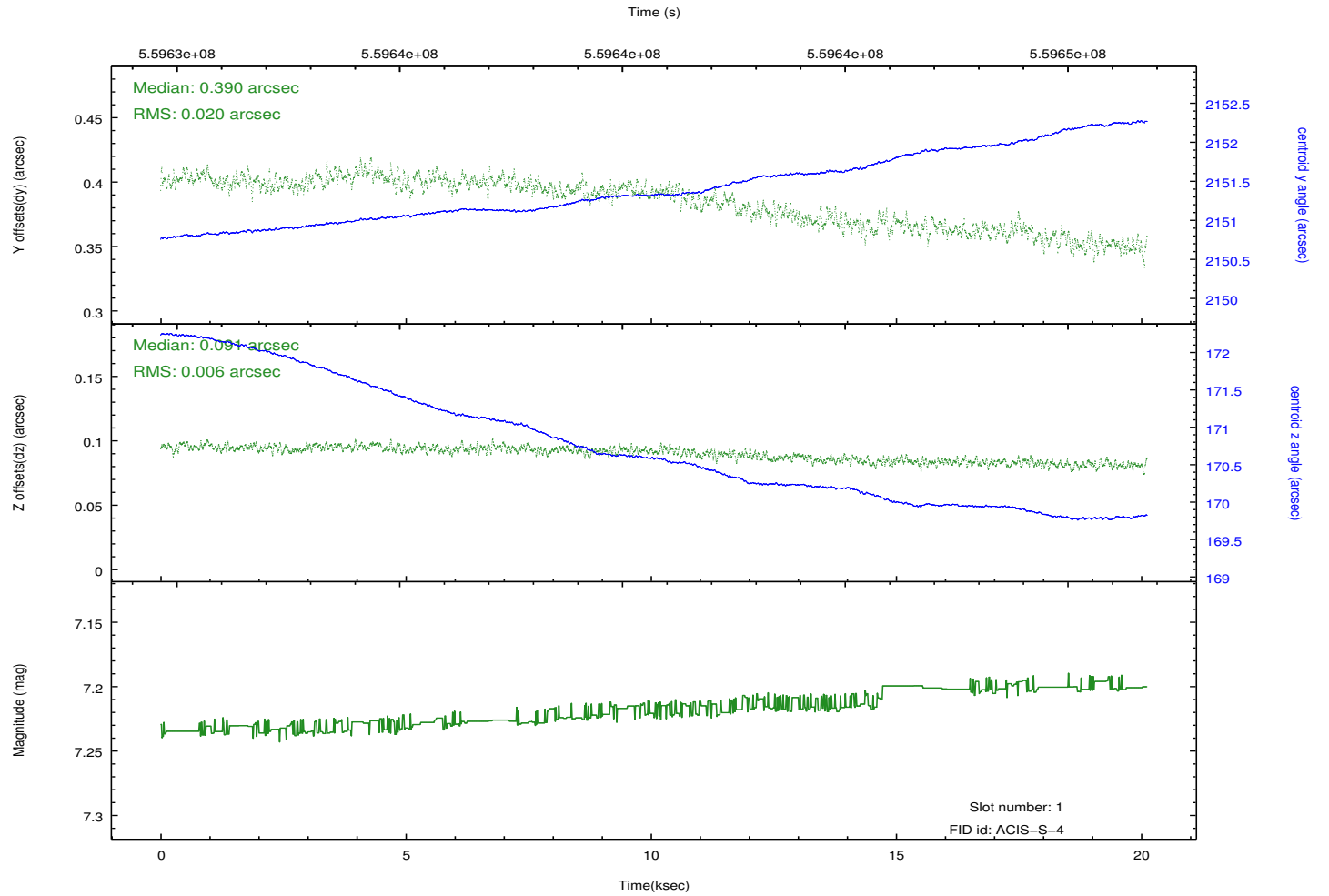
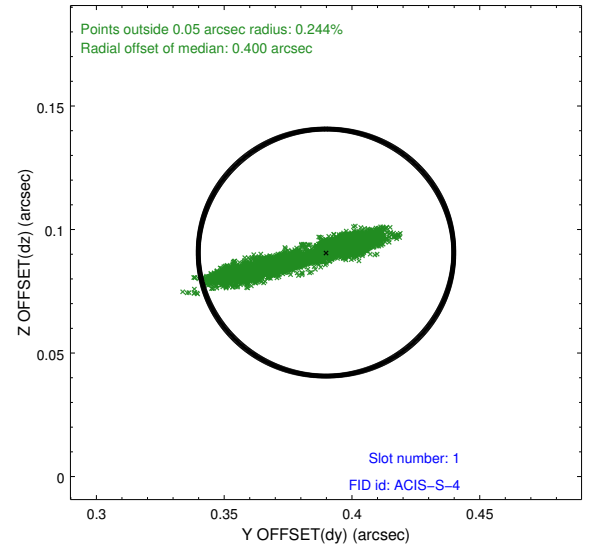
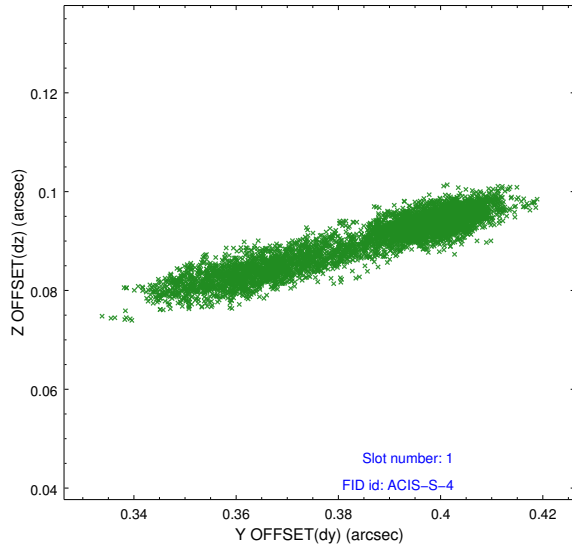


2.5 FID Slots

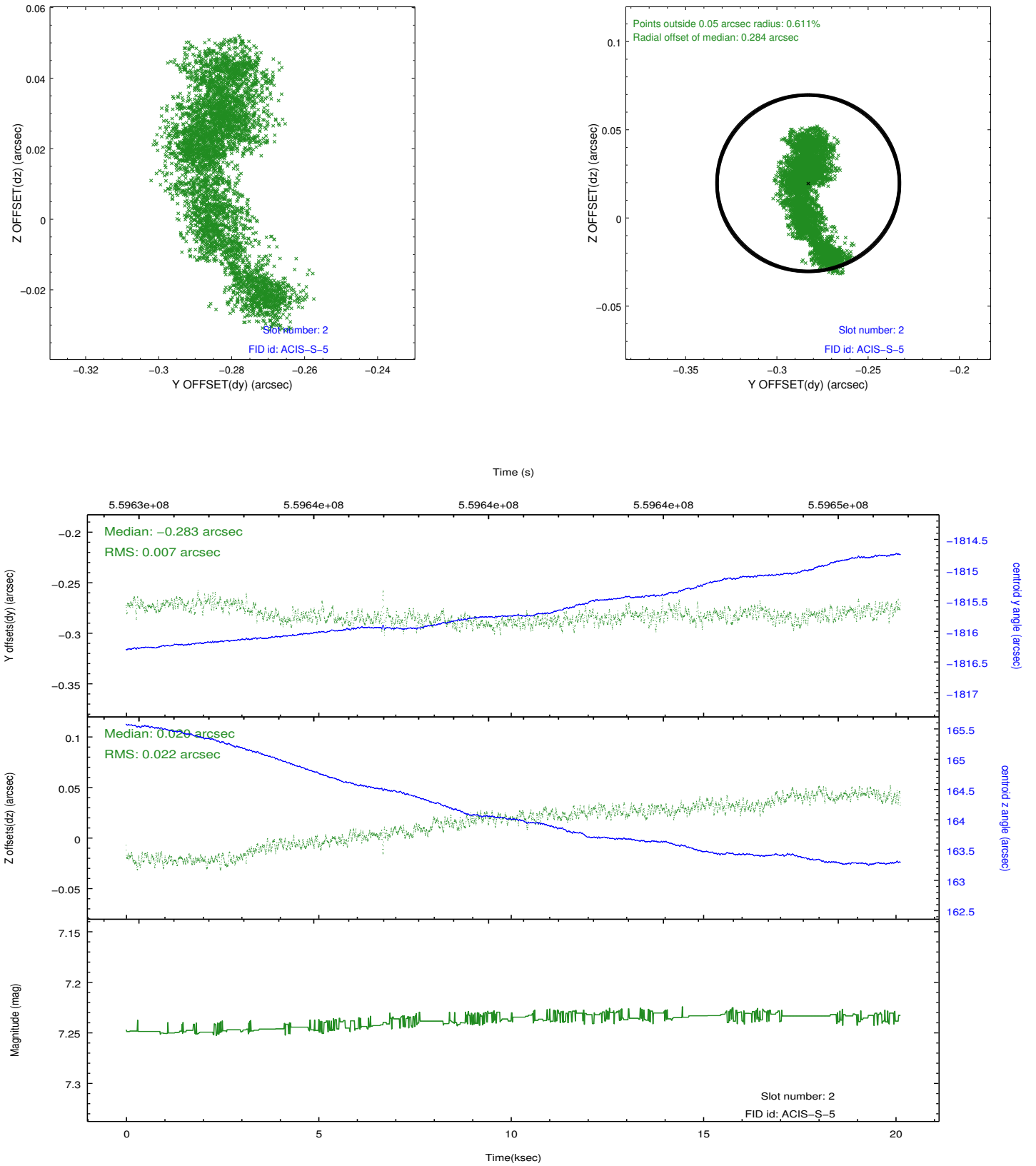
2.5.1 Slot 0



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)	2015.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.102432642102

A.2 Comments