

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11020 - L2 Version 2
Chandra X-Ray Center

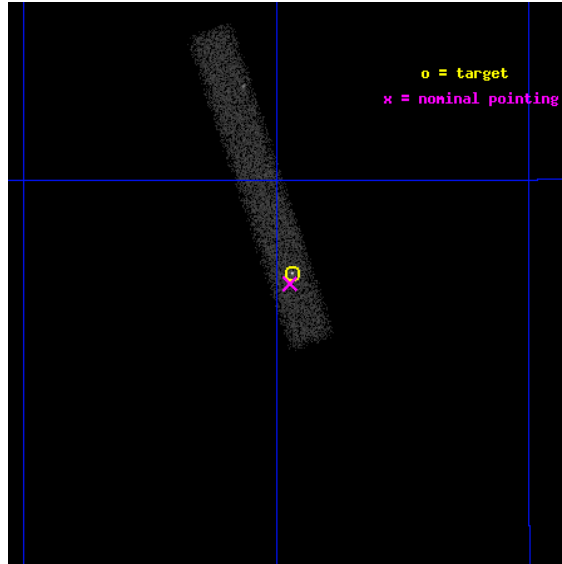
L2 Processing Date : Jun 18 2012

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1 Front

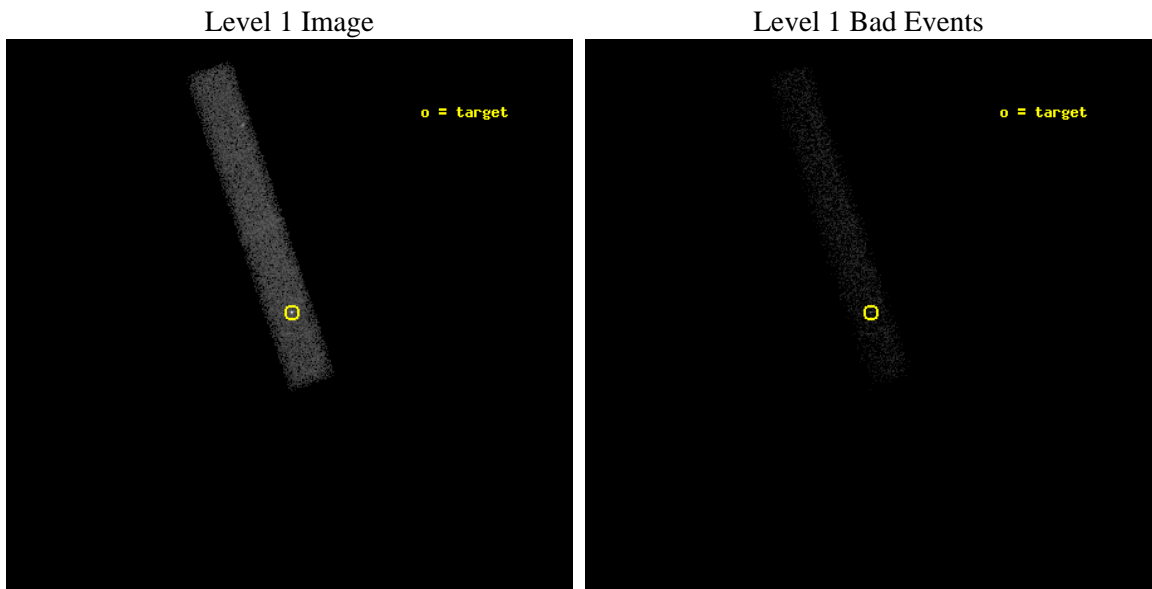
seq_num	200649	Sequence number
obs_id	11020	Observation id
title	ACIS IMAGING SPECTROSCOPY OF T TAURI STARS IN THE HST/COS CYCLE 17 LARGE PROJECT SAMPLE	Proposal title
observer	Dr. Alexander Brown	Principal investigator
object	LkCa 4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.117083	Observer's specified target RA [deg]
dec_targ	28.126583	Observer's specified target Dec [deg]
ra_nom	64.118327408554	Nominal RA [deg]
dec_nom	28.121854933905	Nominal Dec [deg]
roll_nom	251.40600978881	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19141.198859096	Sum of GTIs [s]
livetime	17360.057009882	Livetime [s]
ontime7	19141.198859096	Sum of GTIs [s]
l2events	16625	Number of level 2 events



2 OBI

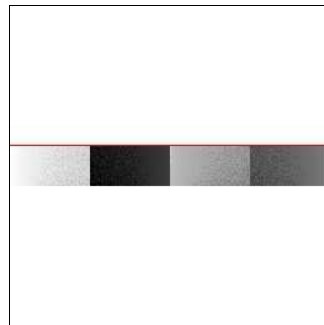
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19141.198859096	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	19141.198859096	Sum of GTIs [s]
date	2012-06-18T06:32:04	Date and time of file creation	l1events	31697	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

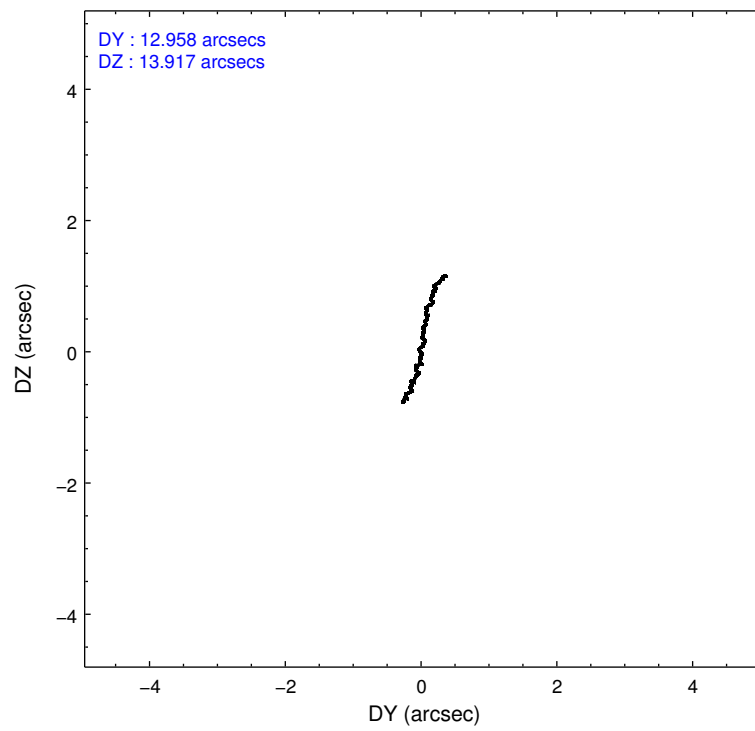
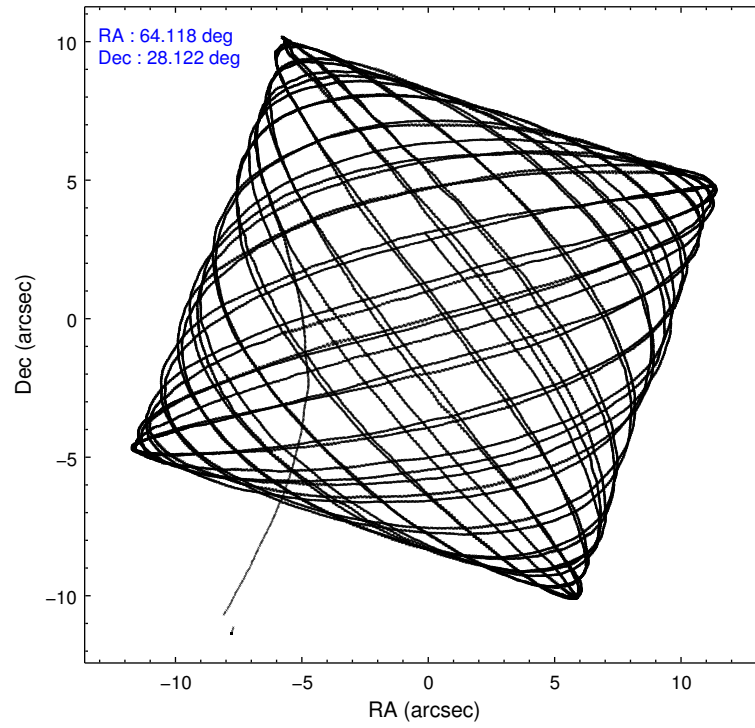
	ccd 7
level 1 events	31697
rejected events	14432
rejected %	45%

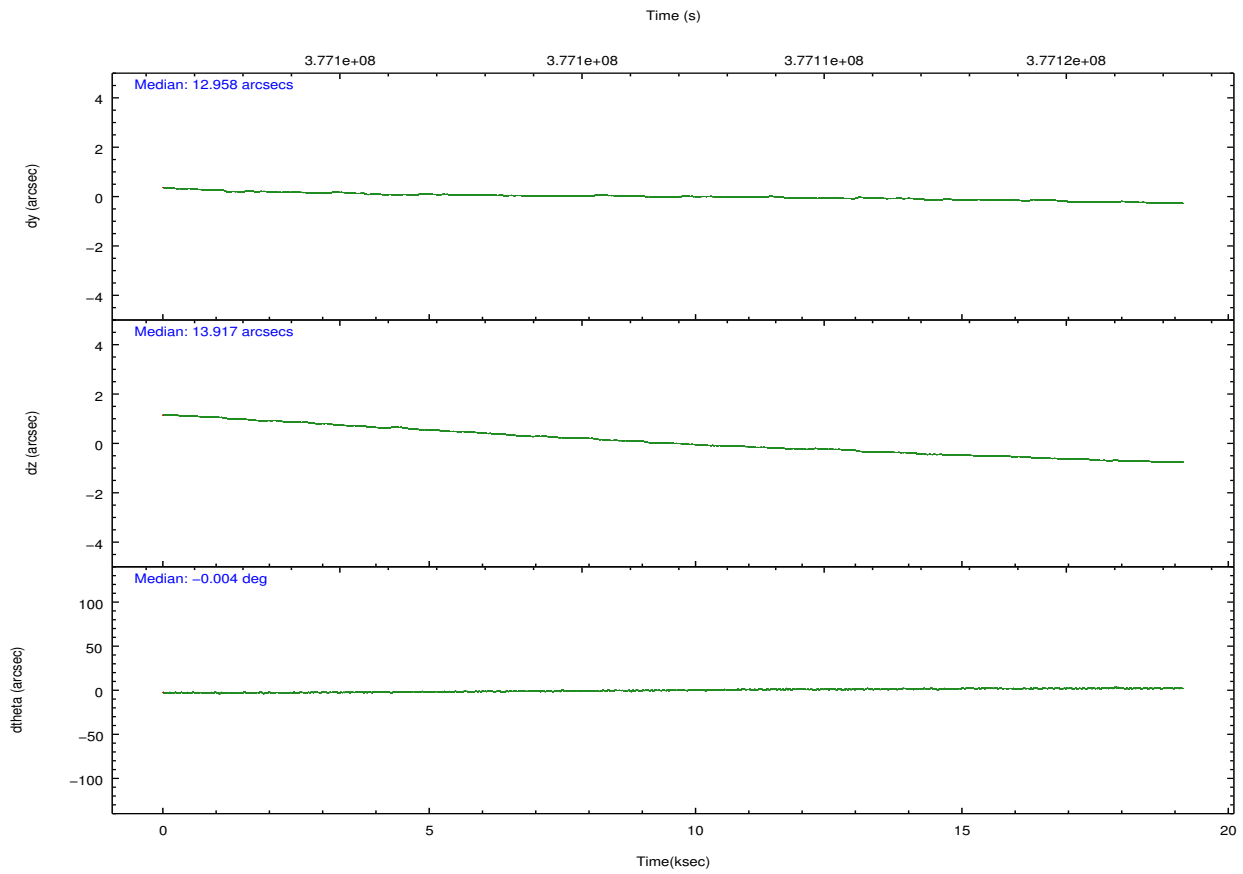
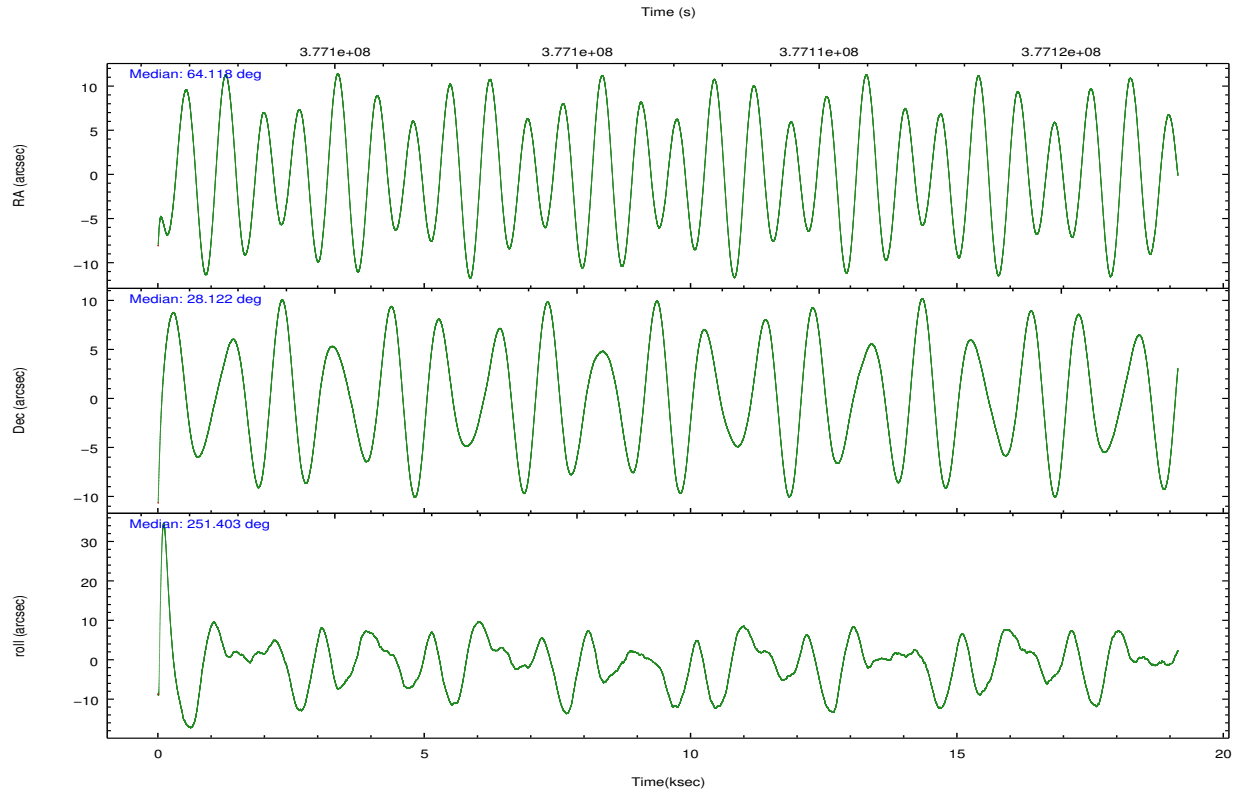
	ccd 7
grade 0 events	2744
	8%
grade 1 events	56
	0%
grade 2 events	3840
	12%
grade 3 events	2305
	7%
grade 4 events	2346
	7%
grade 5 events	2892
	9%
grade 6 events	6918
	21%
grade 7 events	10596
	33%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	64.111778	64.11832740855408	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	28.148584	28.12185493390533	Subarray start row	449	449
[deg] Pointing Roll	251.252500	251.4060097888123	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	377097461.184000	377096103.34359			
Observation start date	2009-12-13T13:16:35	2009-12-13T12:55:03			
[s] Observation end time (MET)	377116461.184000	377117209.63216			
Observation end date	2009-12-13T18:33:15	2009-12-13T18:46:49			
Read mode	TIMED	TIMED			

2.3 Aspect



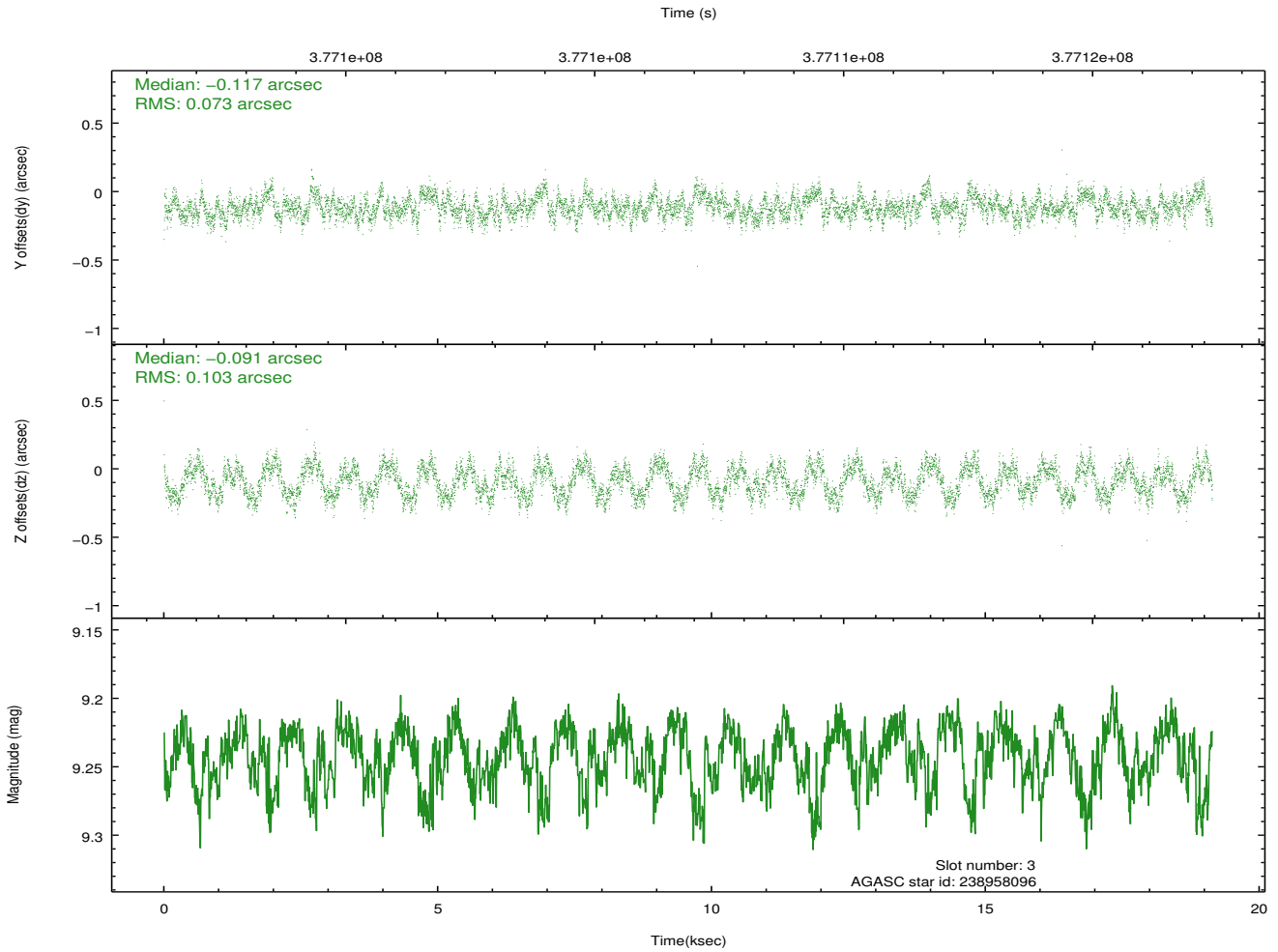
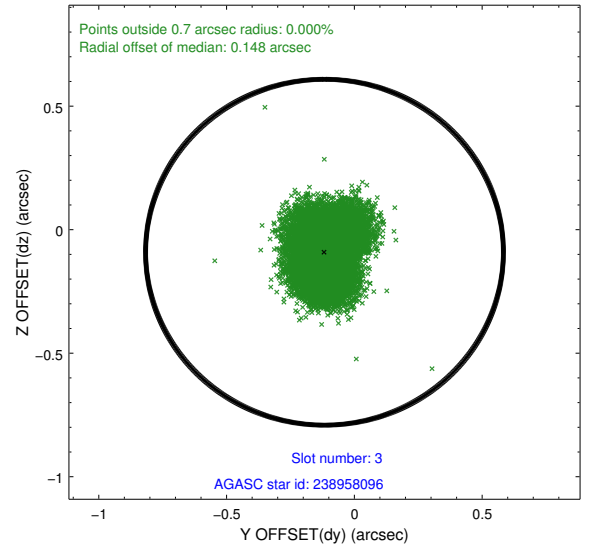
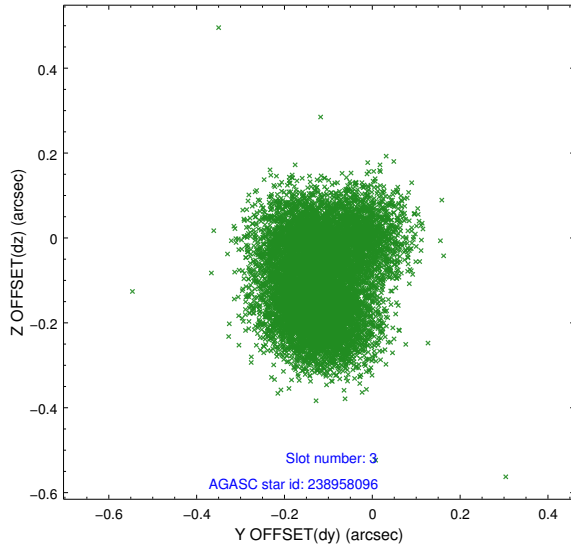


Slot Statistics

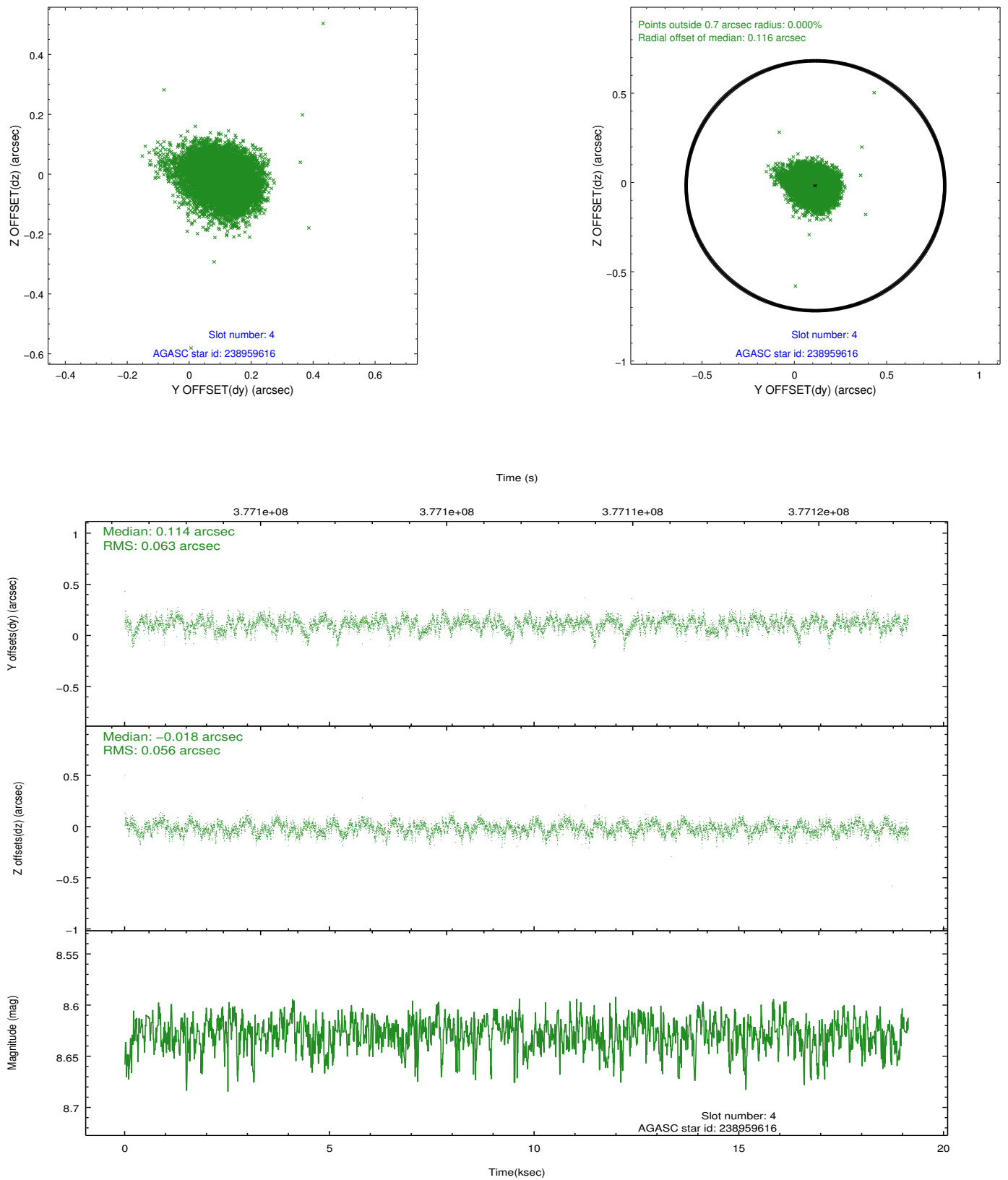
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.83	4670	-0.033	-0.028	0.016	0.025	0.000000	0.000000	-765.89	-1735.38
1	FID	ACIS-S-4	6.92	4670	0.152	0.025	0.018	0.029	0.000000	0.000000	2147.46	172.96
2	FID	ACIS-S-5	6.95	4669	-0.149	0.015	0.011	0.020	0.000000	0.000000	-1818.60	166.83
3	GUIDE	238958096	9.24	9330	-0.117	-0.091	0.138	0.205	64.612911	27.706711	990.50	2022.96
4	GUIDE	238959616	8.63	9332	0.114	-0.018	0.089	0.142	63.631917	27.959756	1132.18	-1226.46
5	GUIDE	239468608	10.43	9299	0.078	0.042	0.214	0.381	64.629591	28.454470	-1572.21	1197.06
6	GUIDE	239475552	8.69	9334	-0.101	0.033	0.092	0.139	63.591874	28.708120	-1382.84	-2202.73
7	GUIDE	238959296	8.20	9334	0.041	0.033	0.095	0.146	63.264622	28.040280	1226.10	-2426.52

2.4 Star Slots

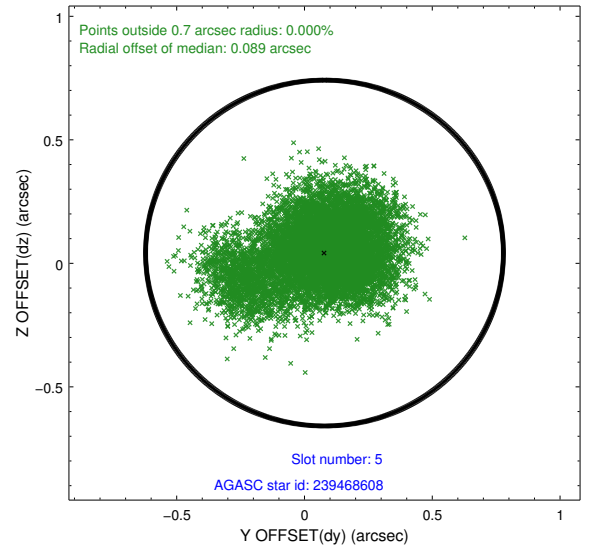
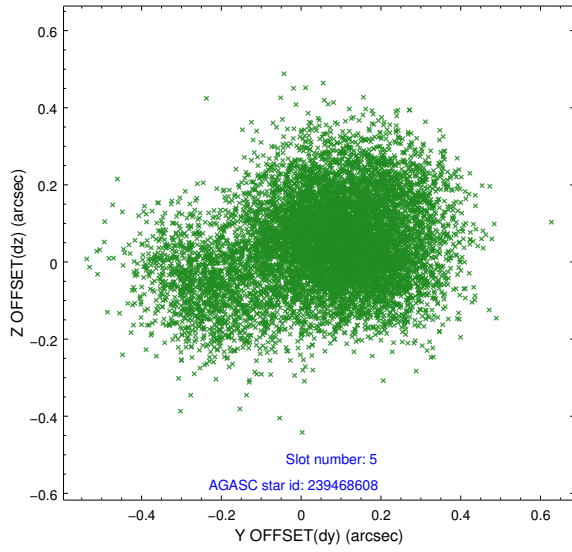
2.4.1 Slot 3



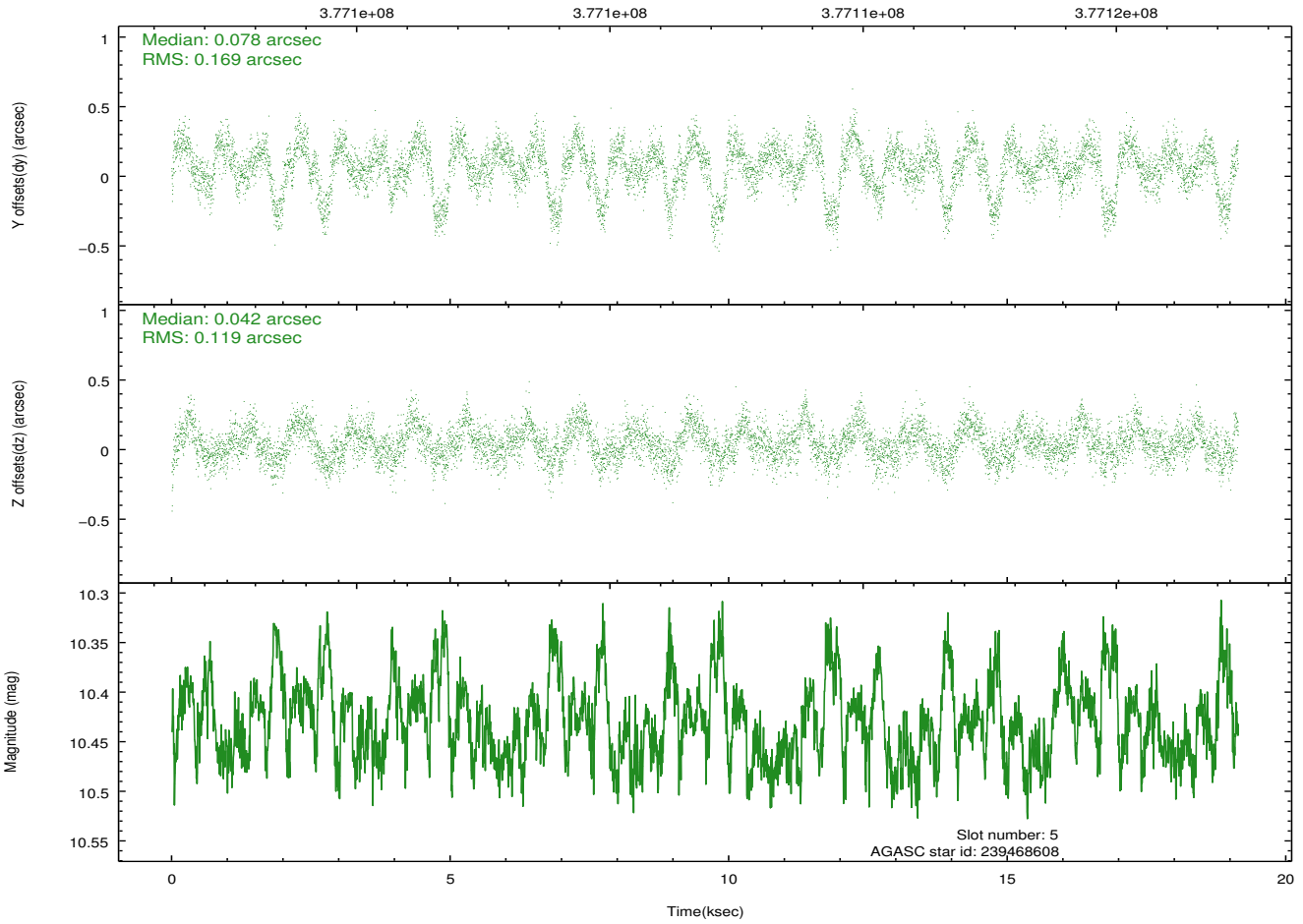
2.4.2 Slot 4



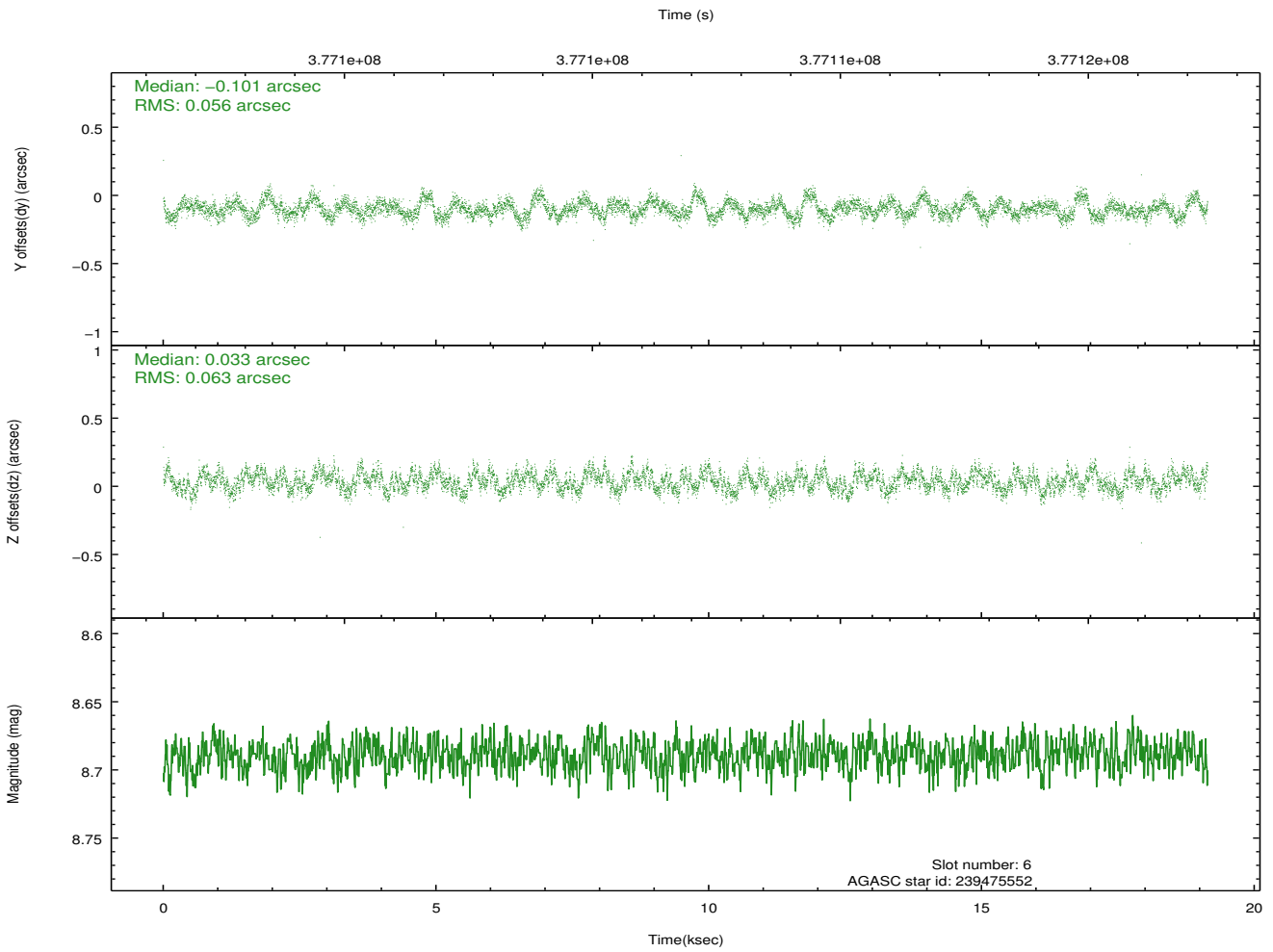
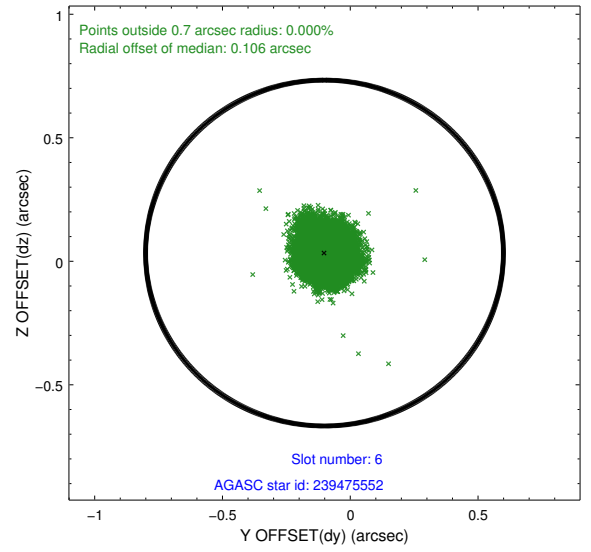
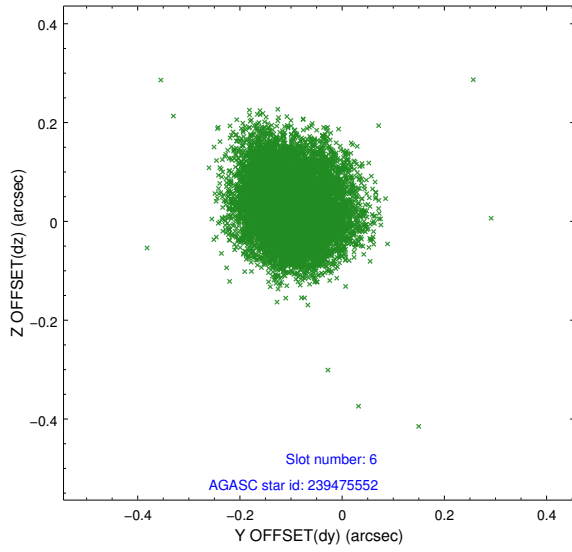
2.4.3 Slot 5



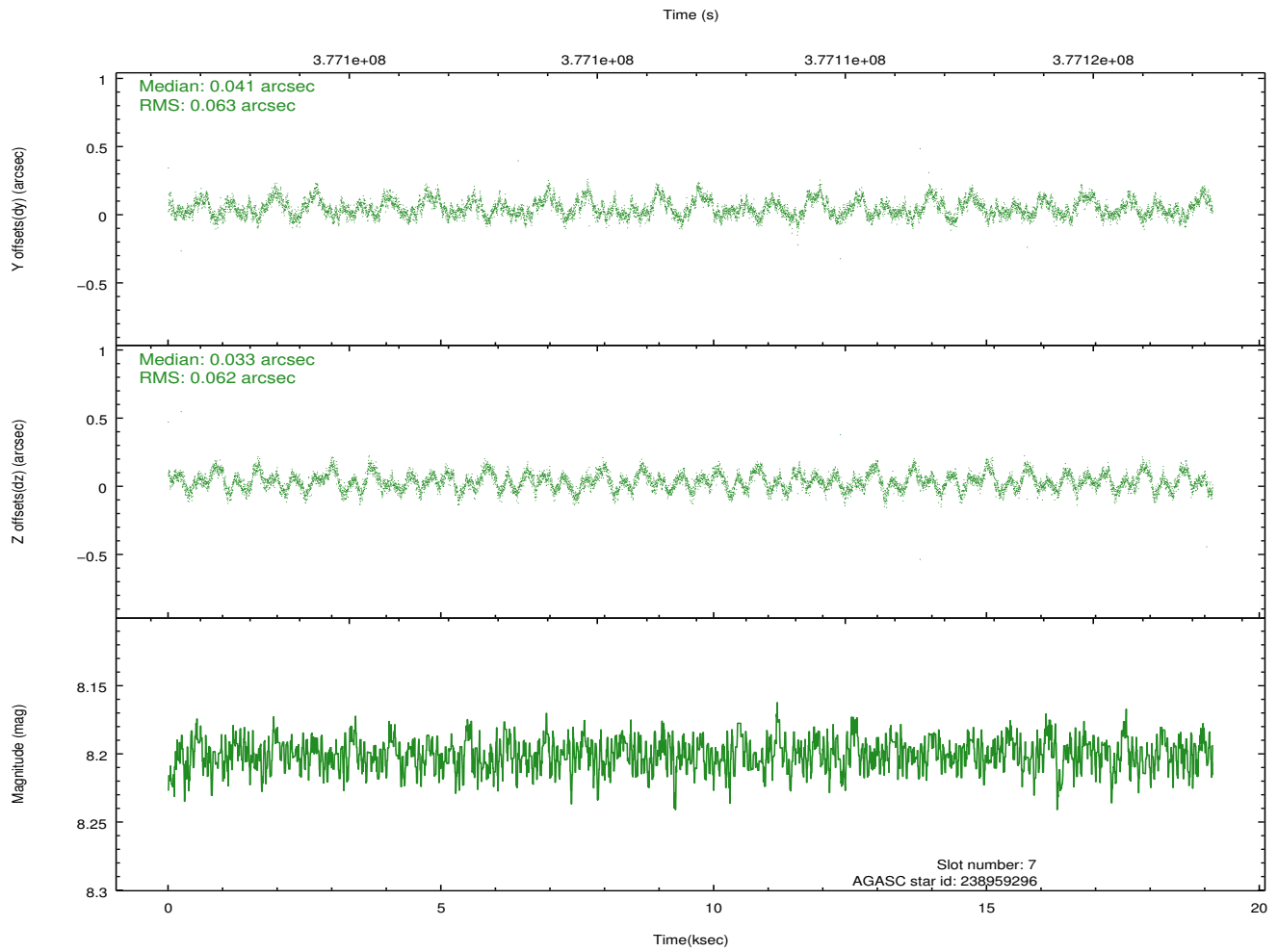
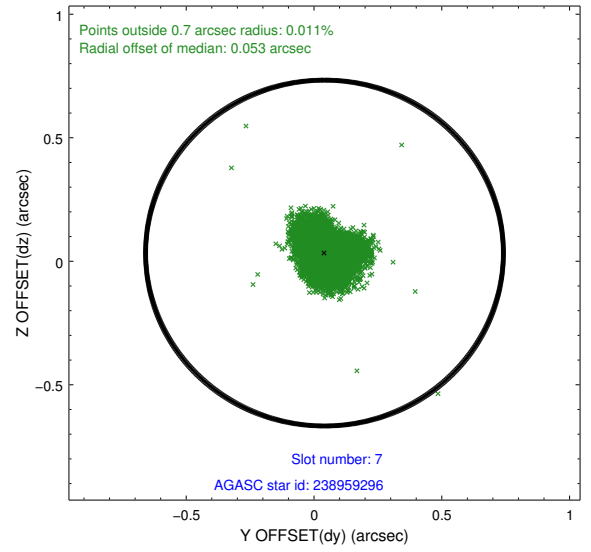
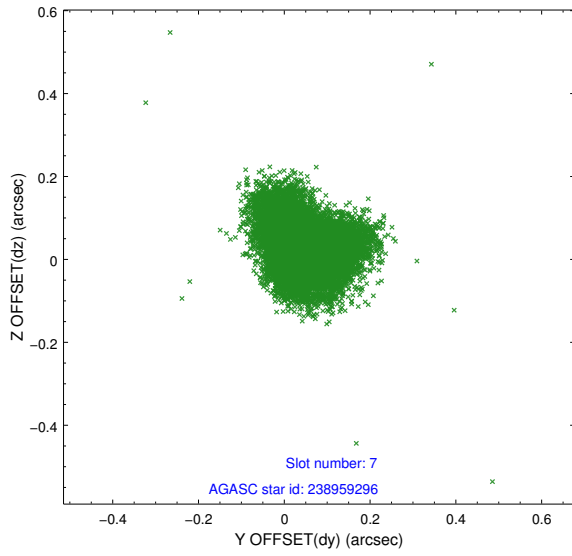
Time (s)



2.4.4 Slot 6

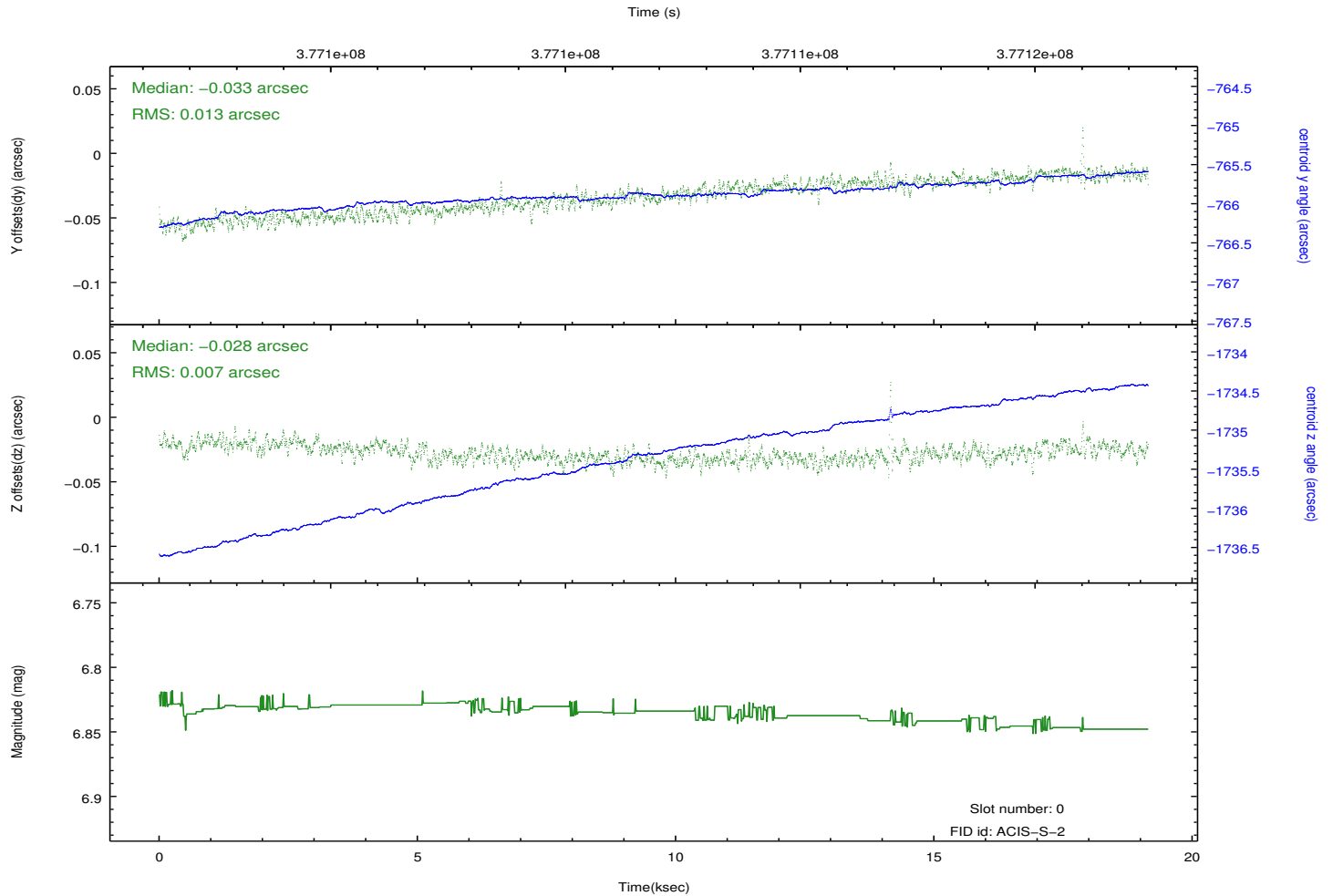
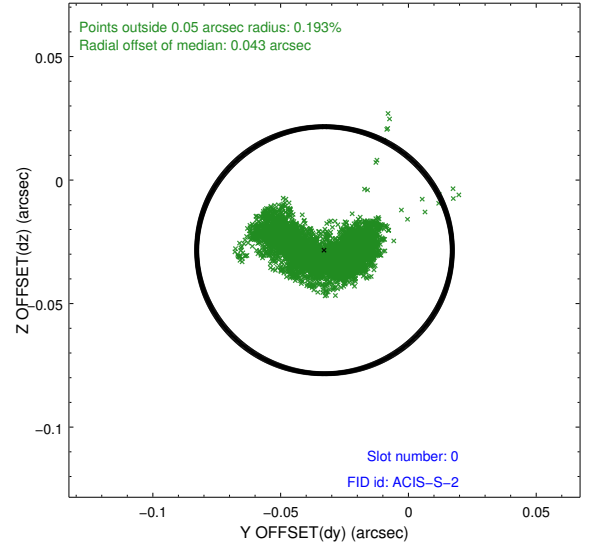
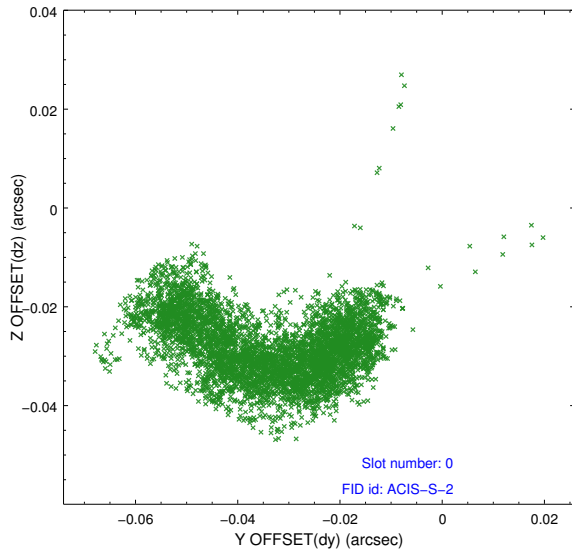


2.4.5 Slot 7

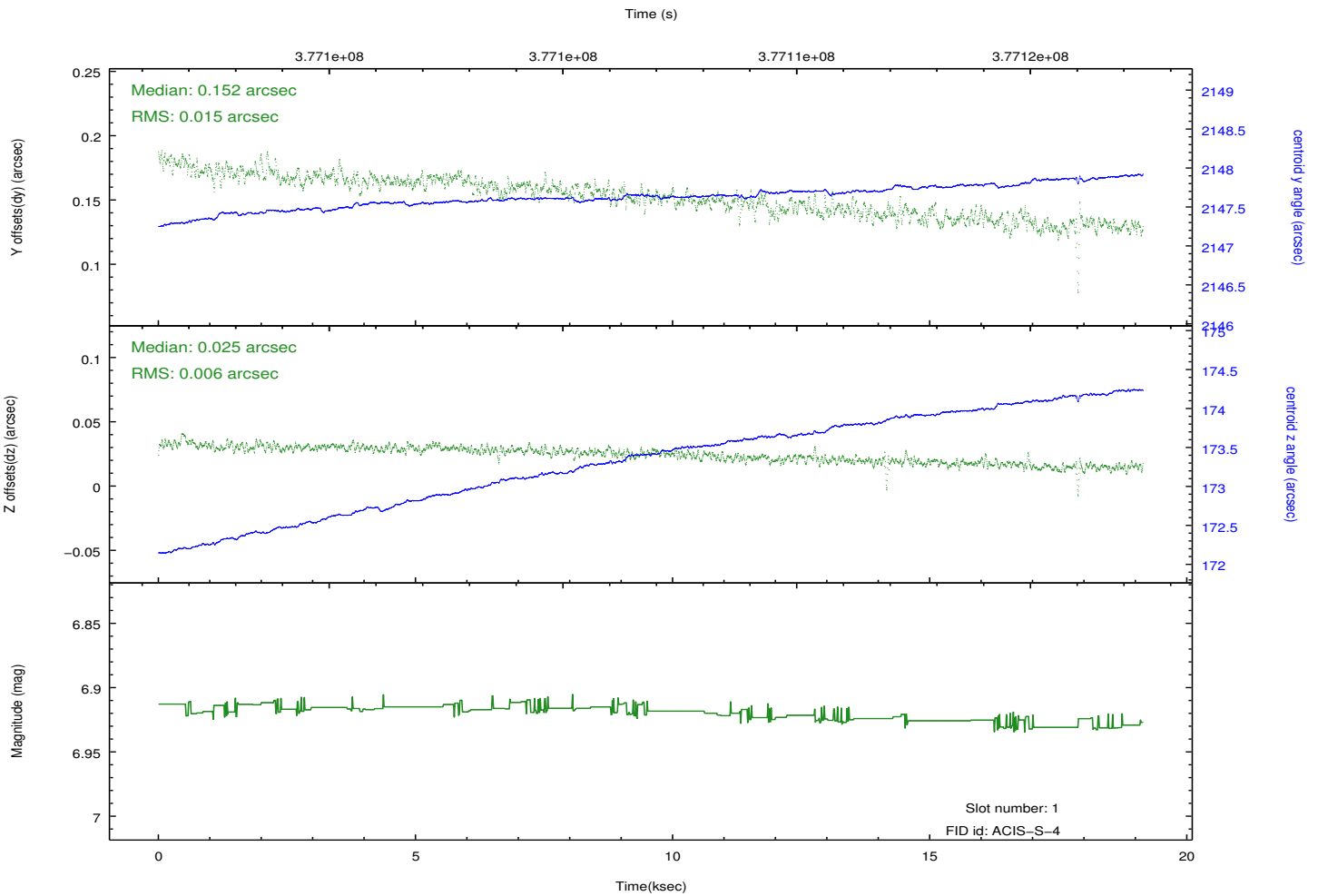
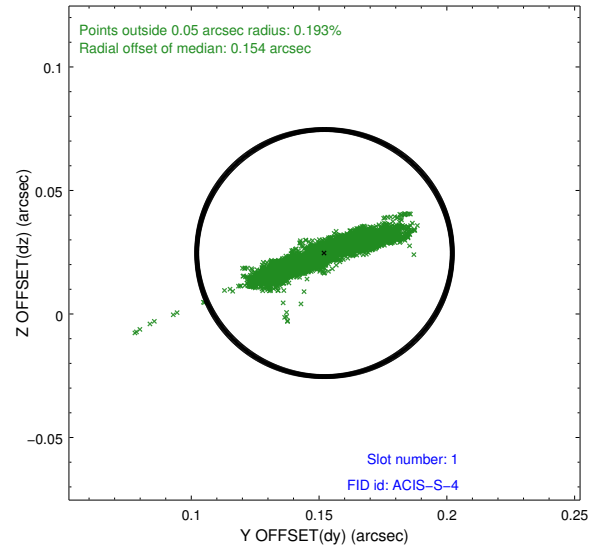
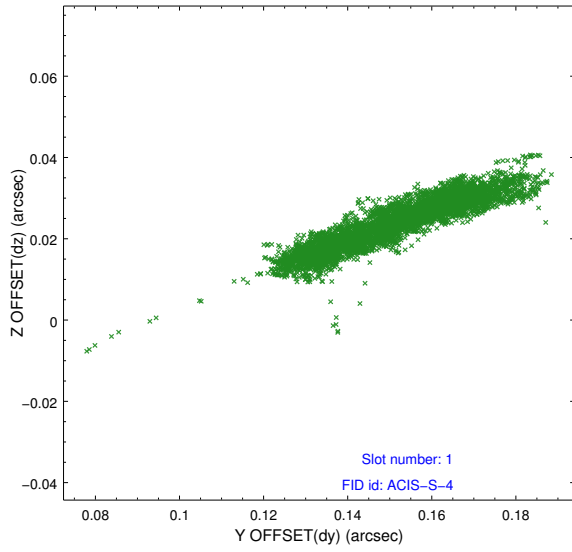


2.5 FID Slots

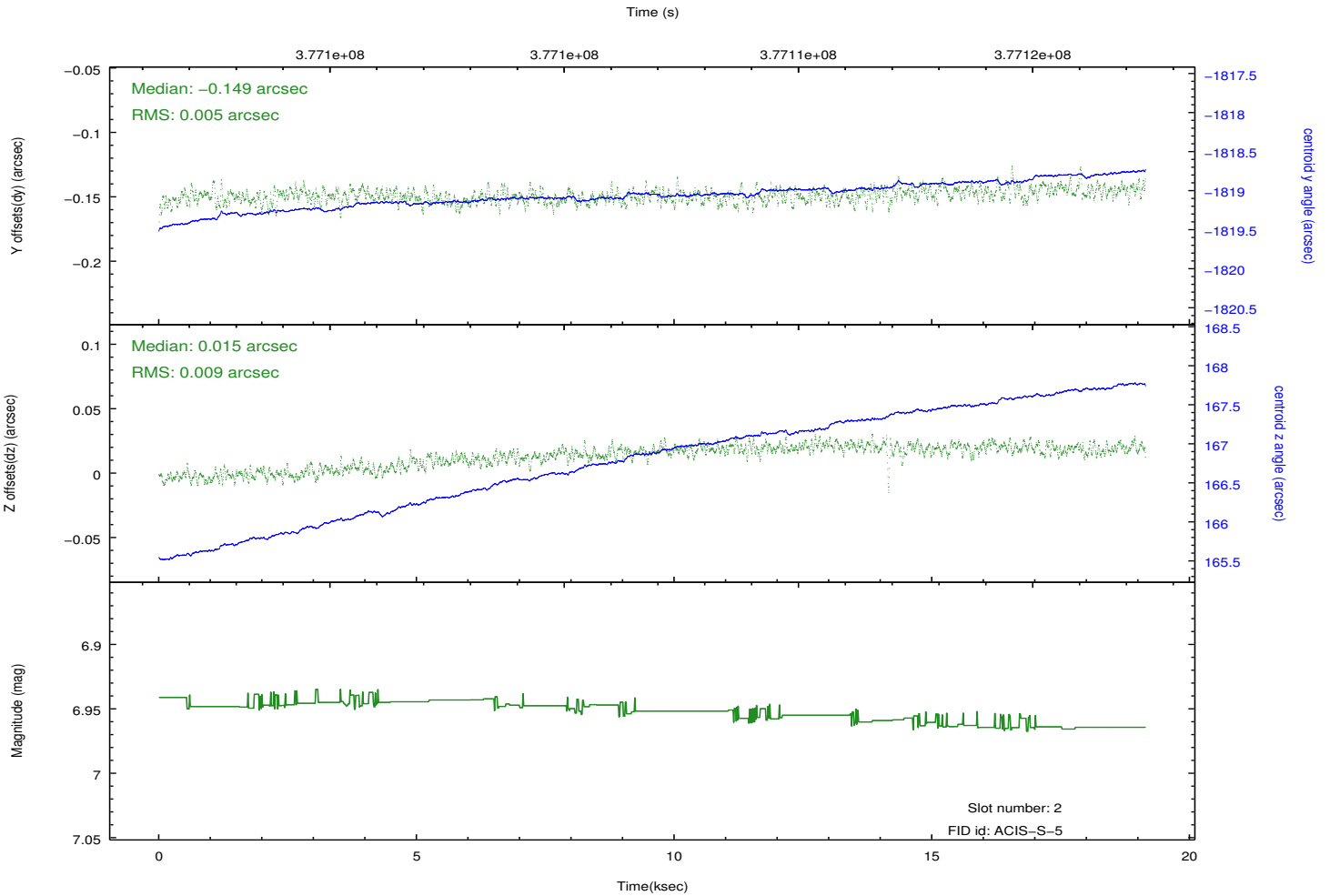
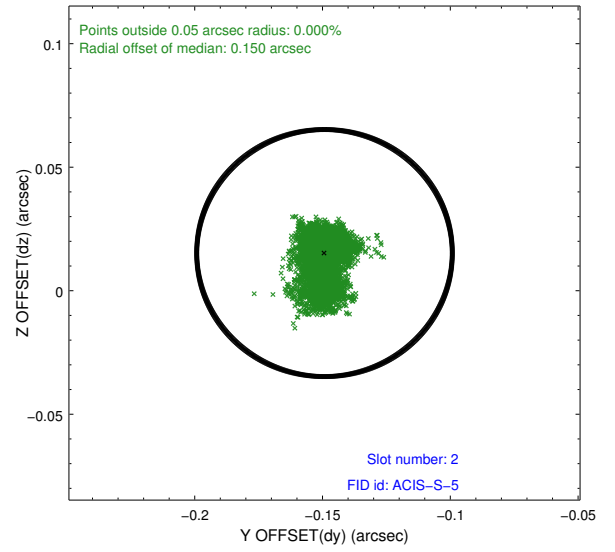
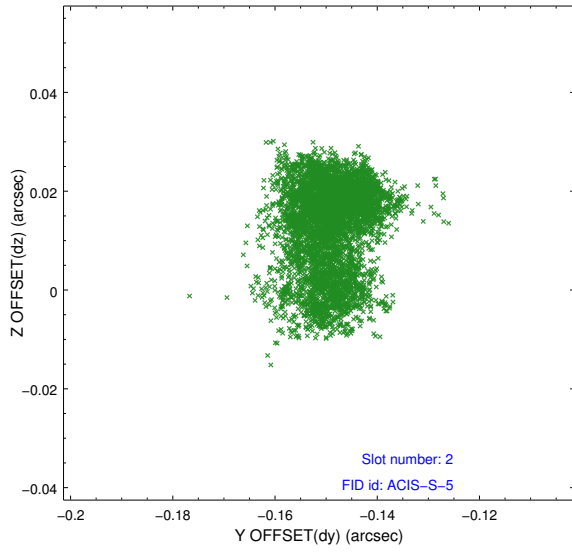
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.141198859096

A.2 Comments