

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 17041 - L2 Version 1
Chandra X-Ray Center

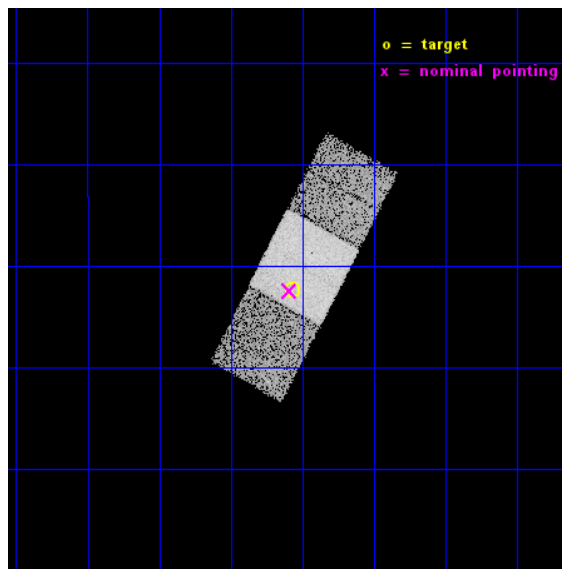
L2 Processing Date : Dec 28 2014

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1 Front

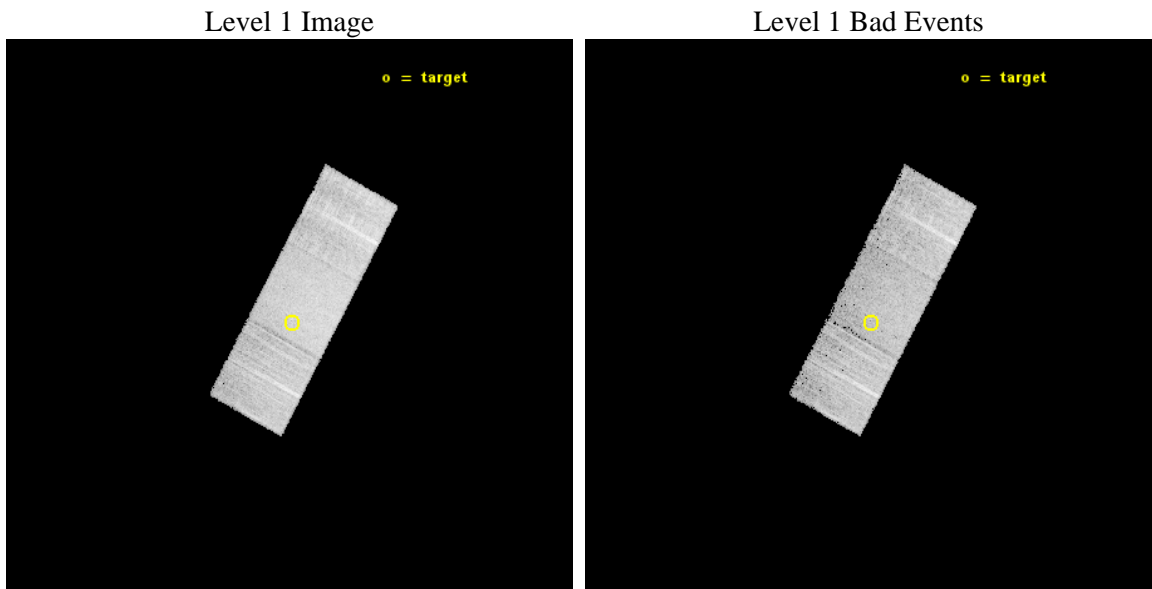
seq_num	703045	Sequence number
obs_id	17041	Observation id
title	The Nature of Quasars with Redshifted Broad Absorption Lines	Propo
observer	Prof. W.N. Brandt	Principal investigator
object	SDSS J2157-0022	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	329.267917	Observer's specified target RA [deg]
dec_targ	-0.371583	Observer's specified target Dec [deg]
ra_nom	329.27295160928	Nominal RA [deg]
dec_nom	-0.37372132115027	Nominal Dec [deg]
roll_nom	298.33575485528	Nominal Roll [deg]
revision	1	Processing version of data
ontime	13317.113739133	Sum of GTIs [s]
livetime	13143.115844215	Livetime [s]
ontime6	13317.07269913	Sum of GTIs [s]
ontime7	13317.113739133	Sum of GTIs [s]
ontime8	13317.031659126	Sum of GTIs [s]
l2events	48684	Number of level 2 events



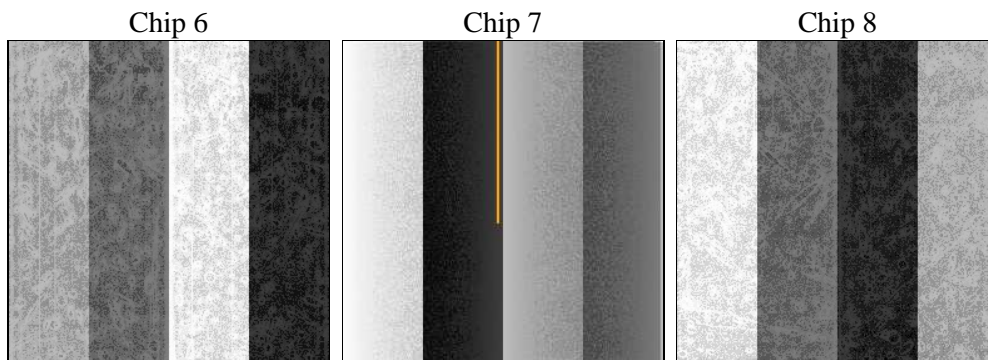
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	13200.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	13317.113739133	Sum of GTIs [s]
caldbver	4.6.5	 	ontime6	13317.07269913	Sum of GTIs [s]
date	2014-12-28T11:33:06	Date and time of file creation	ontime7	13317.113739133	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	13317.031659126	Sum of GTIs [s]
			l1events	227040	Number of level 1 events

2.1.4 Events

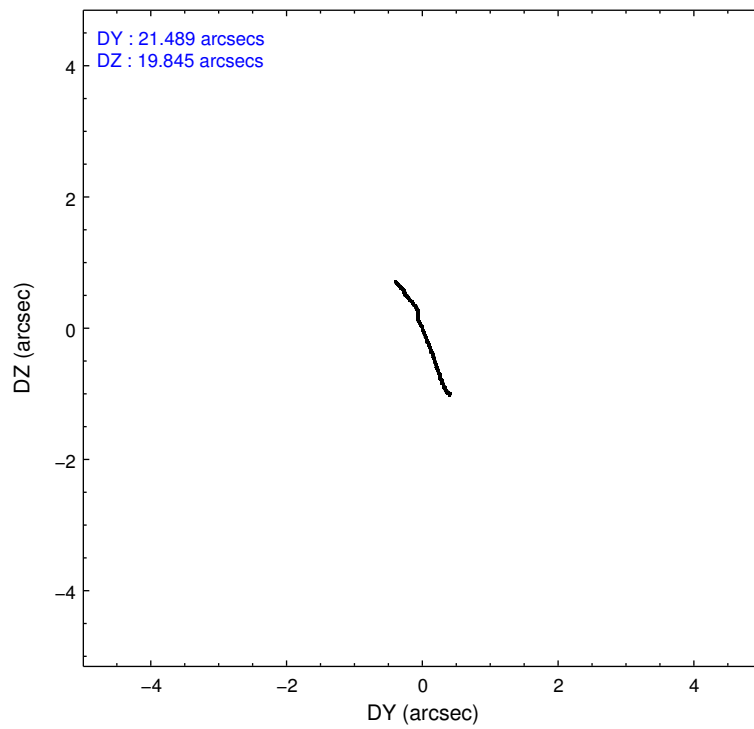
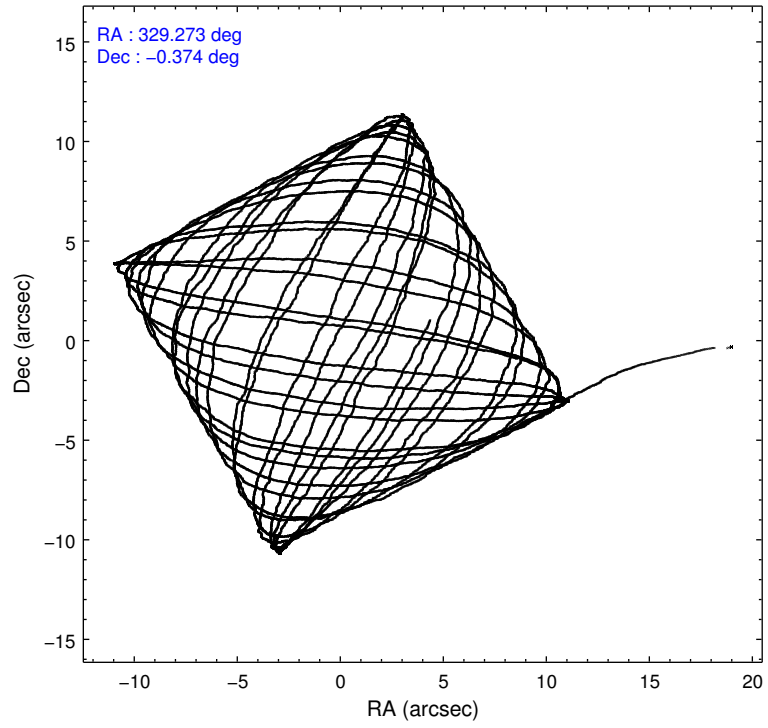
	ccd 6	ccd 7	ccd 8
level 1 events	63188	82563	81289
rejected events	55690	47070	60774
rejected %	88%	57%	74%

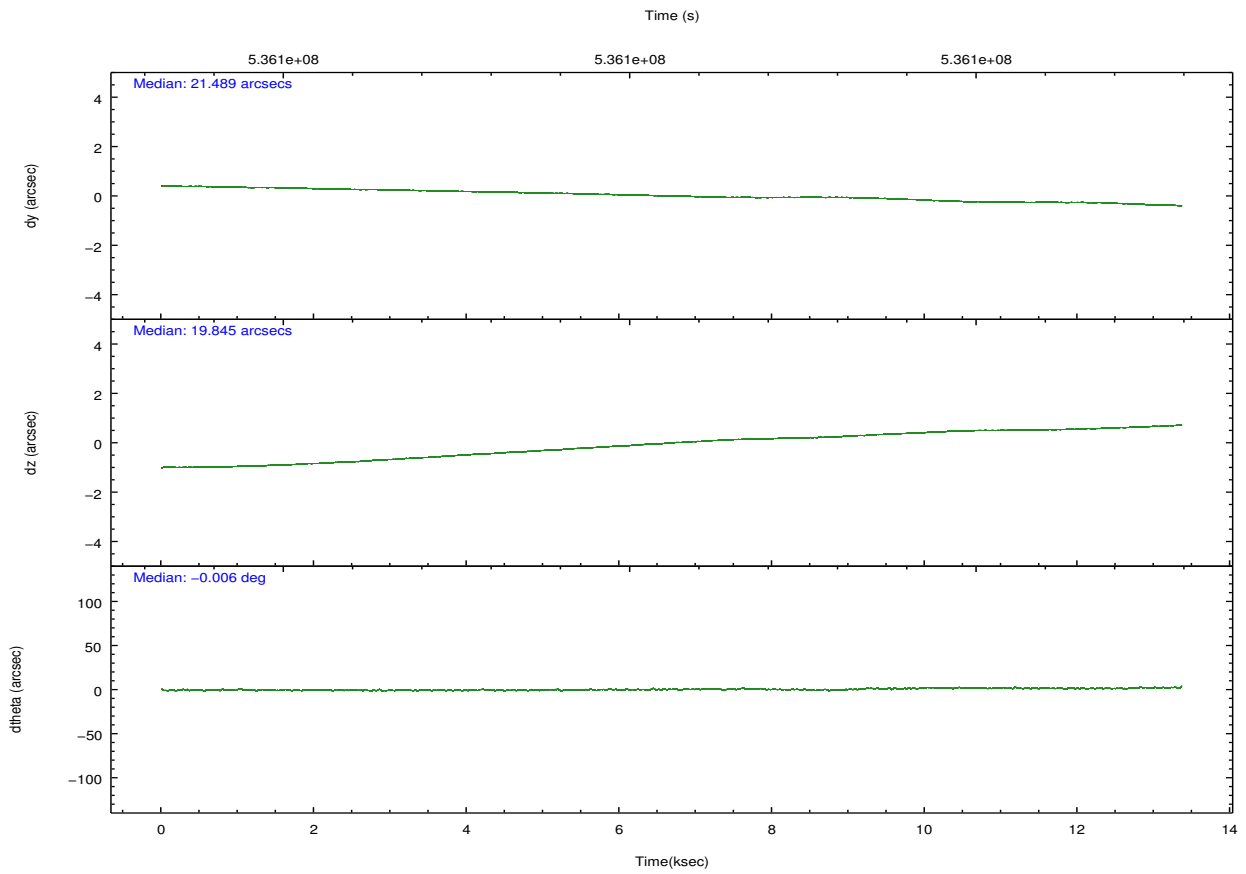
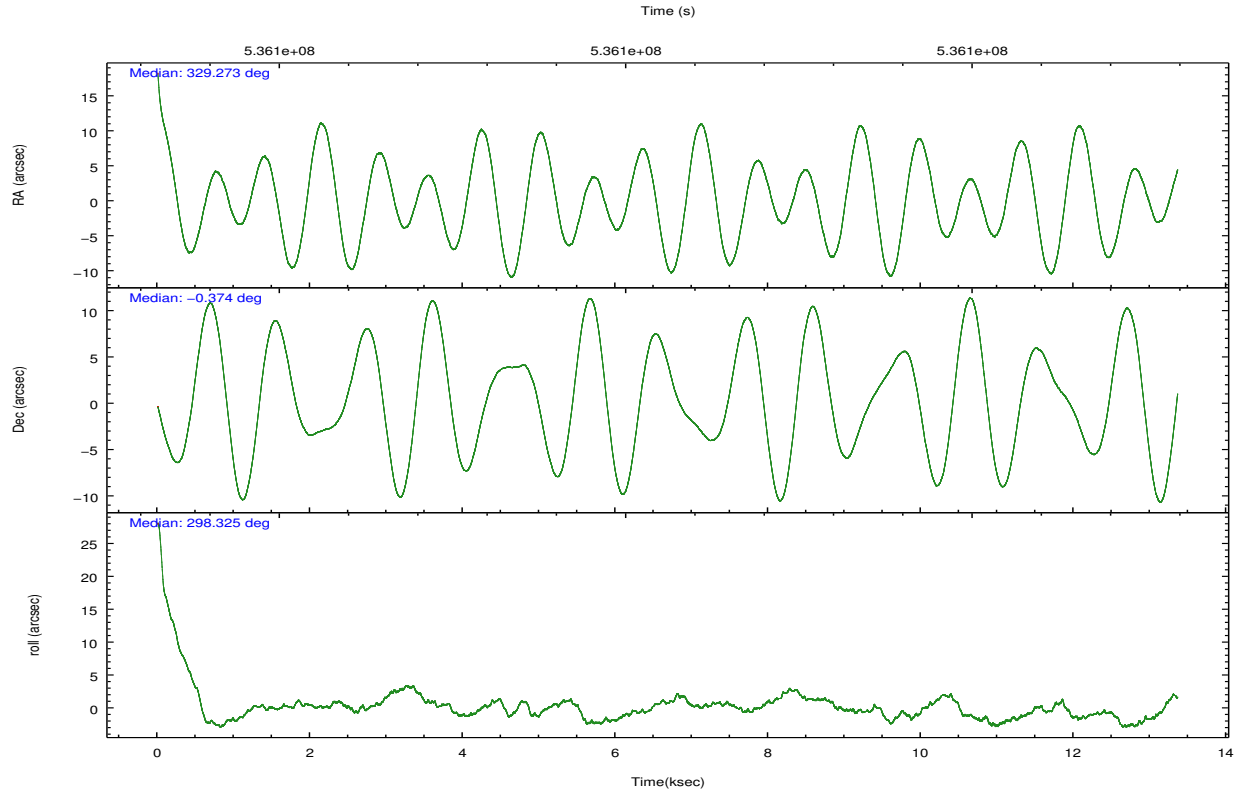
	ccd 6	ccd 7	ccd 8
grade 0 events	2498	2954	5847
	3%	3%	7%
grade 1 events	26	92	47
	0%	0%	0%
grade 2 events	1708	7413	4865
	2%	8%	5%
grade 3 events	726	2740	2221
	1%	3%	2%
grade 4 events	713	2752	2069
	1%	3%	2%
grade 5 events	3087	8038	4548
	4%	9%	5%
grade 6 events	1854	19644	5518
	2%	23%	6%
grade 7 events	52576	38930	56174
	83%	47%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	329.249383	329.2729516092841	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.359580	-0.373721321150267	Alternating exposures requested	N	N
[deg] Pointing Roll	298.178976	298.3357548552801	[s] Primary exposure time	0.000000	3.1
[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)	536094093.184000	536092840.73163			
Observation start date	2014-12-27T19:00:26	2014-12-27T18:40:40			
[s] Observation end time (MET)	536107293.184000	536108338.73249			
Observation end date	2014-12-27T22:40:26	2014-12-27T22:58:58			
Read mode	TIMED	TIMED			

2.3 Aspect





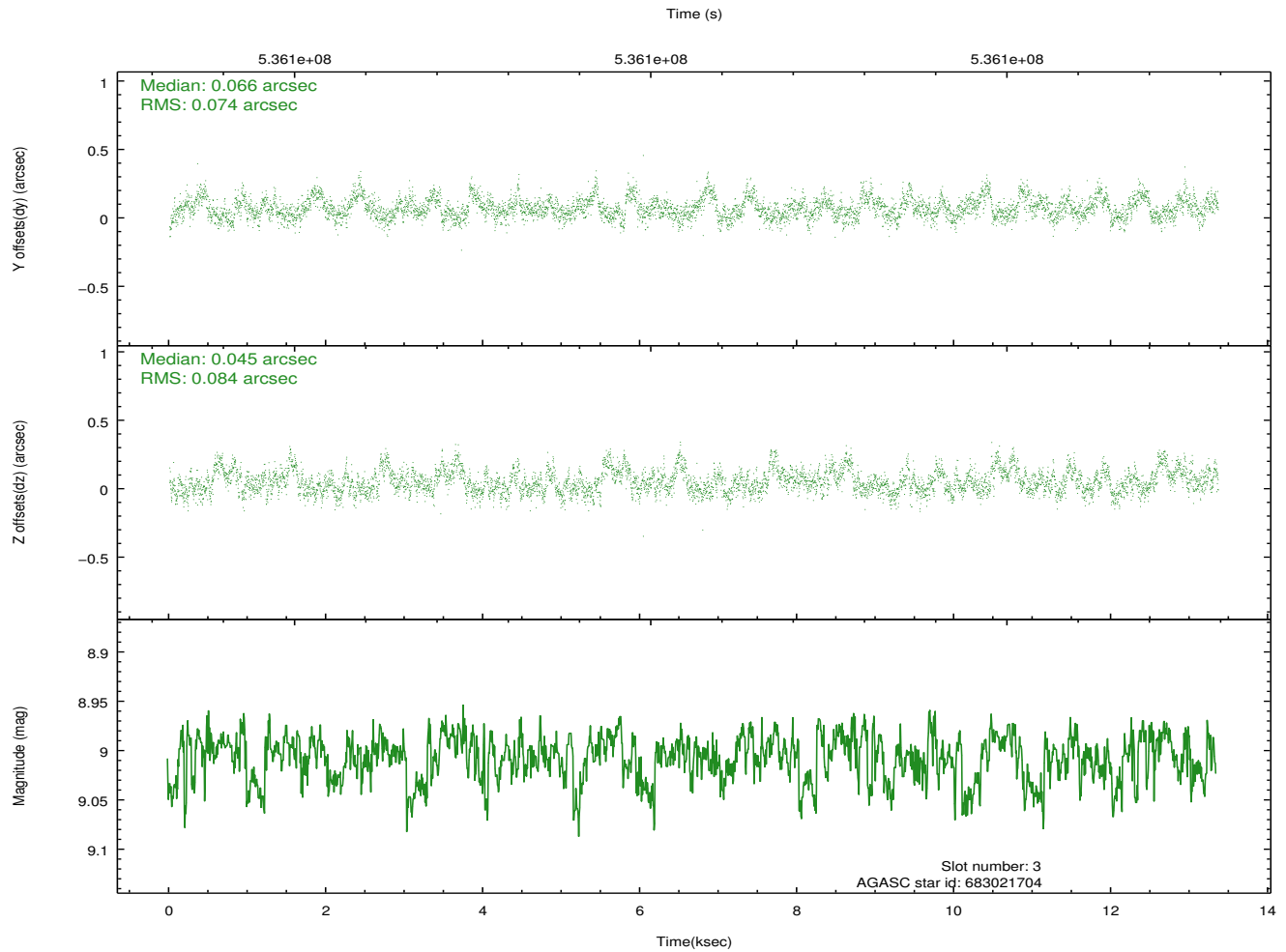
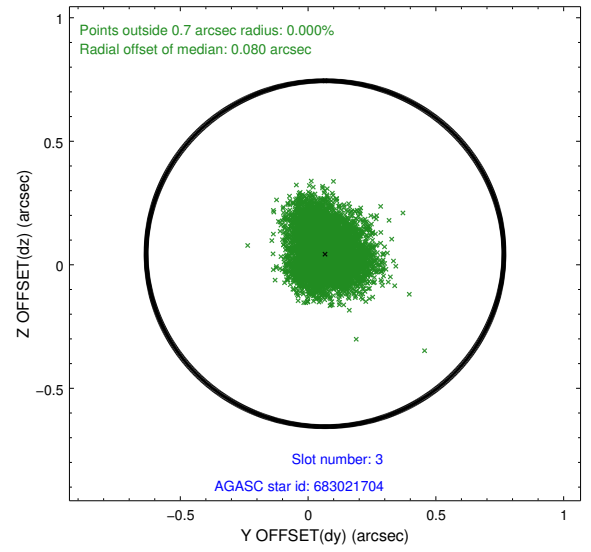
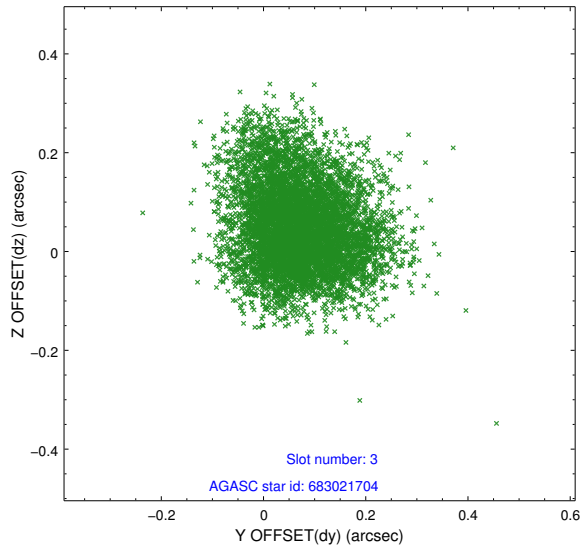
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.19	3259	0.118	-0.069	0.029	0.036	0.000000	0.000000	921.50	-1736.94
1	FID		ACIS-S-5	7.22	3258	-0.188	0.076	0.010	0.020	0.000000	0.000000	-1827.61	160.38
2	FID		ACIS-S-6	7.33	3259	0.048	0.008	0.034	0.051	0.000000	0.000000	386.59	804.68
3	GUIDE	used	683021704	9.01	6512	0.066	0.045	0.119	0.197	329.107154	-0.679863	775.17	-995.31
4	GUIDE	used	683022080	8.76	6516	0.045	-0.096	0.098	0.157	328.834762	-0.485532	-304.31	-1529.59
5	GUIDE	used	683023096	8.45	6515	-0.059	-0.093	0.107	0.197	329.288214	-0.783543	1412.43	-597.01
6	GUIDE	used	71436864	8.42	6516	-0.081	-0.042	0.101	0.156	329.740218	0.095687	-610.28	2331.59
7	GUIDE	used	683021840	9.70	6480	0.017	0.178	0.158	0.262	328.983578	-0.039824	-1466.30	-299.38

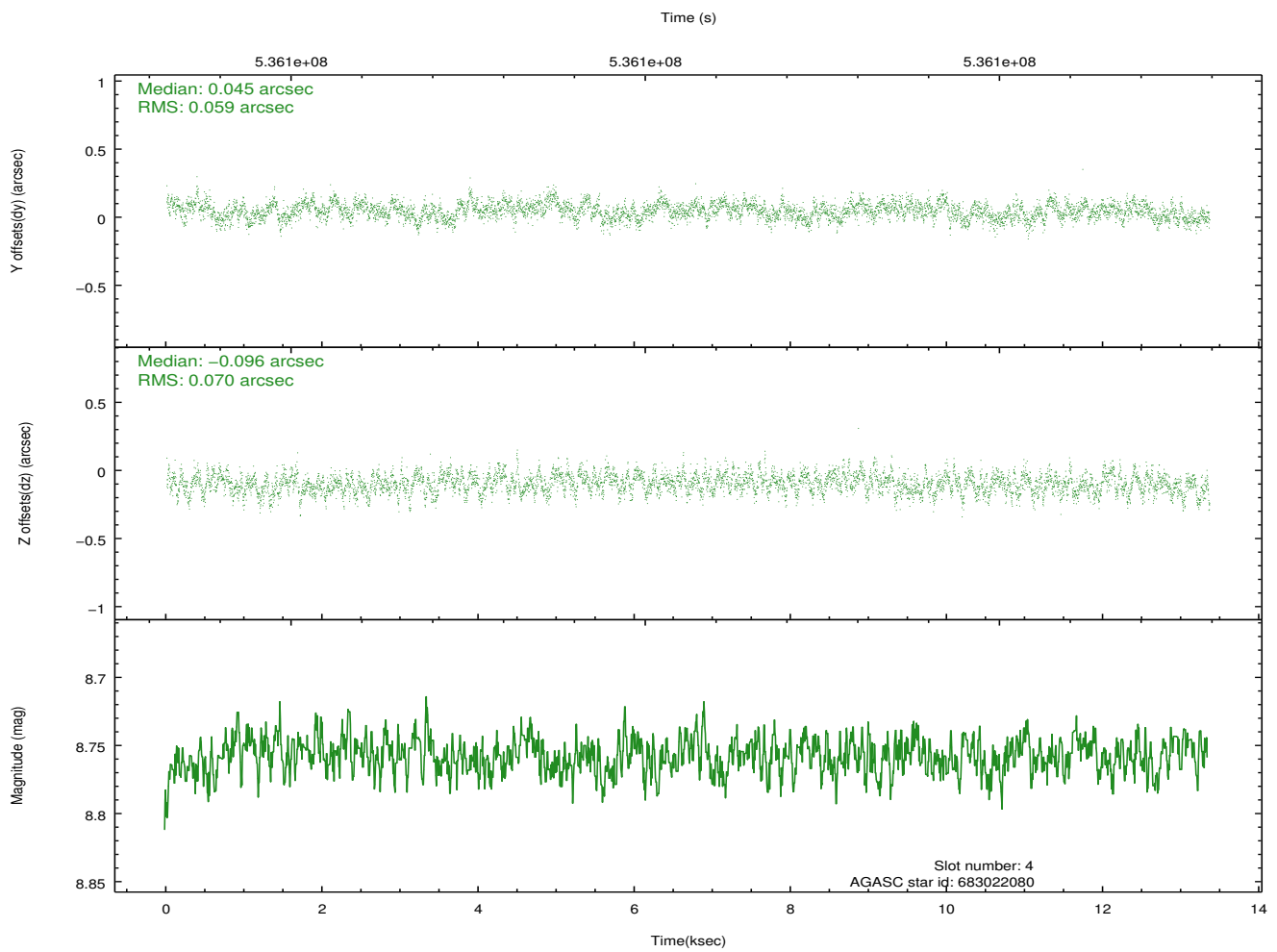
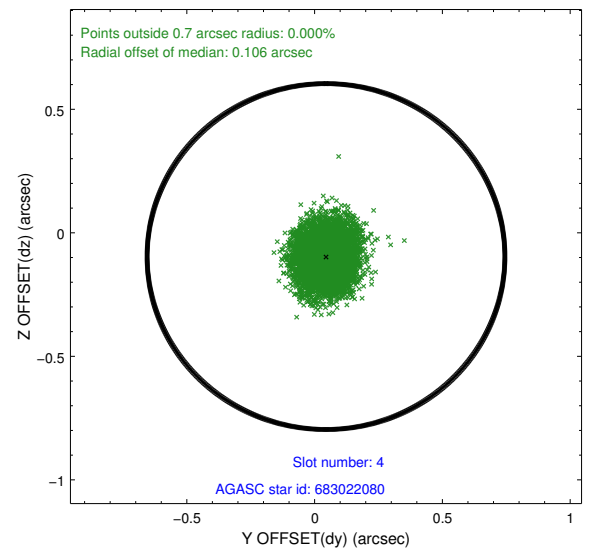
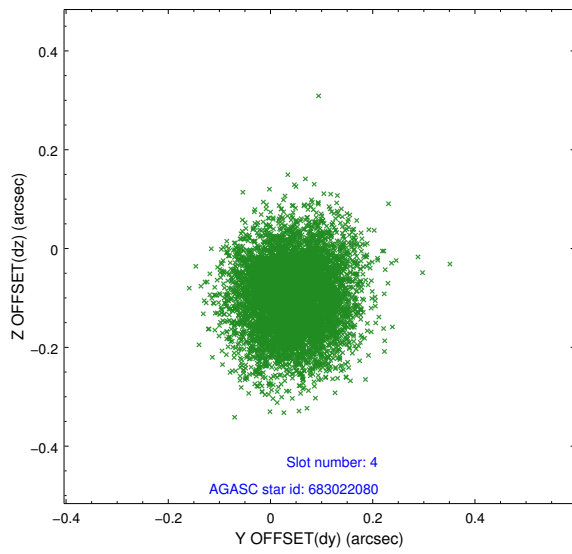
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2.4 Star Slots

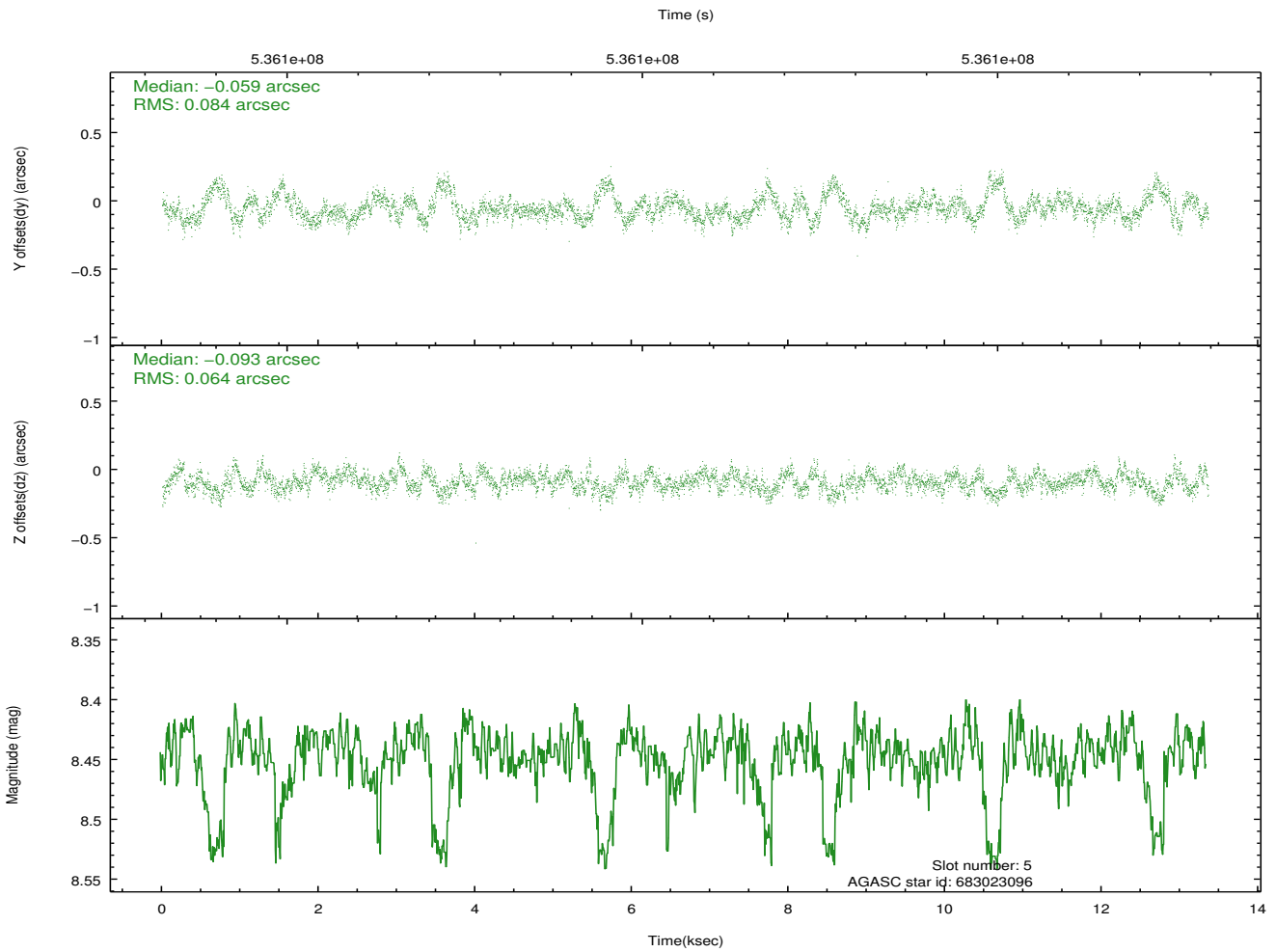
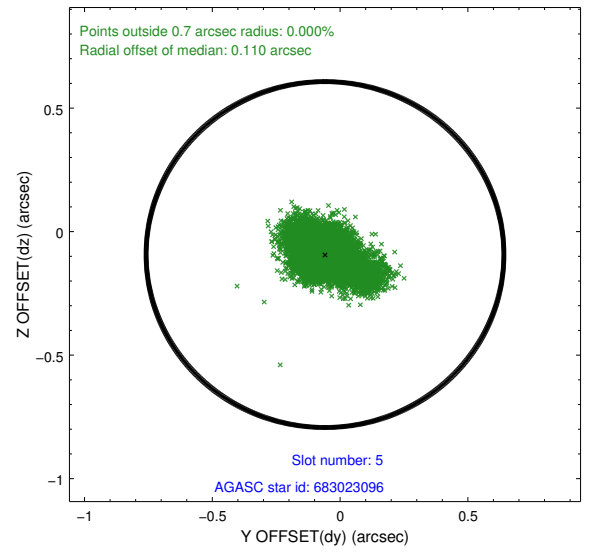
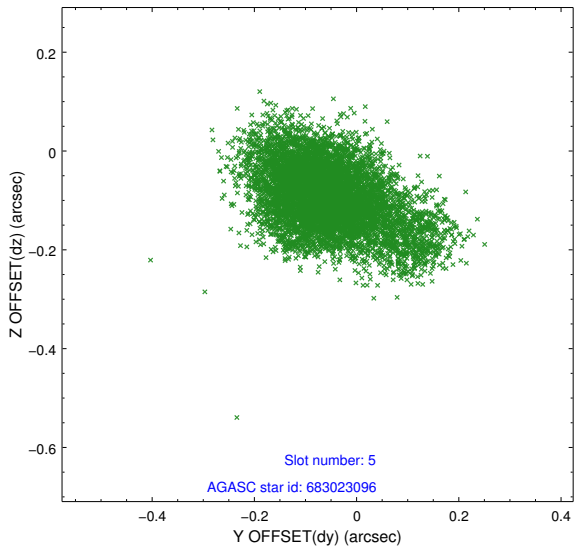
2.4.1 Slot 3



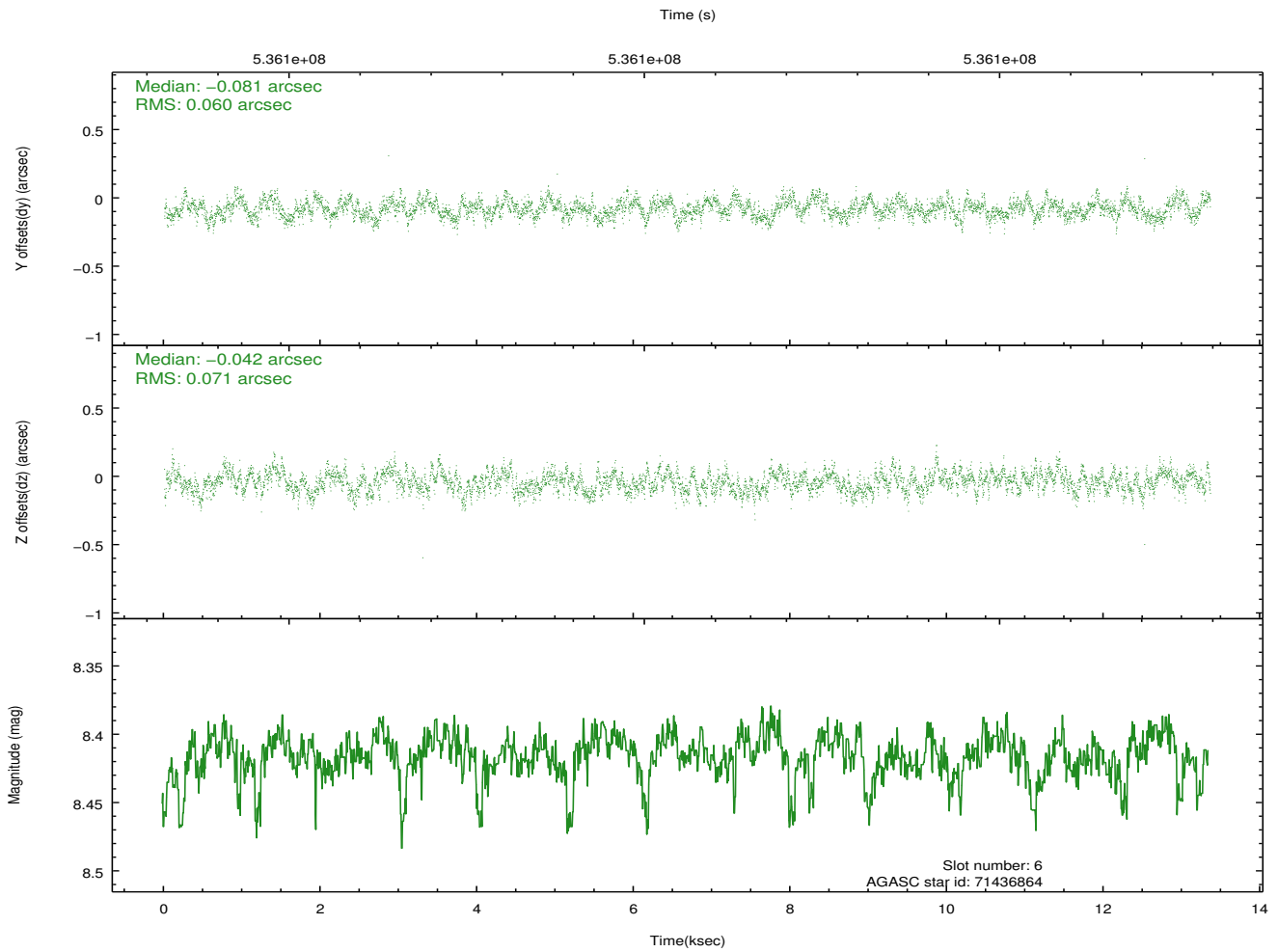
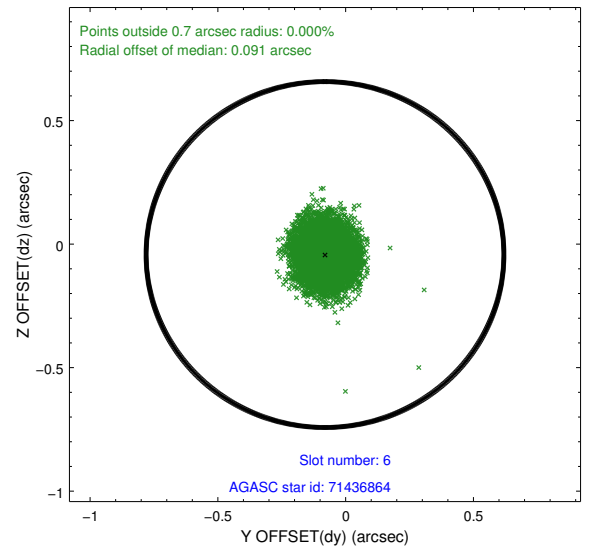
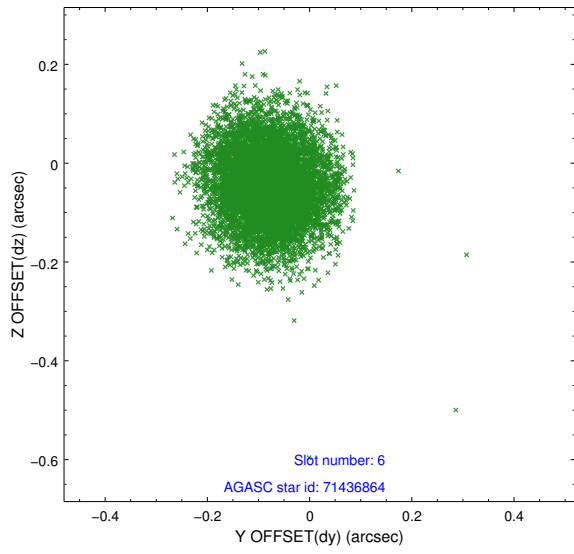
2.4.2 Slot 4



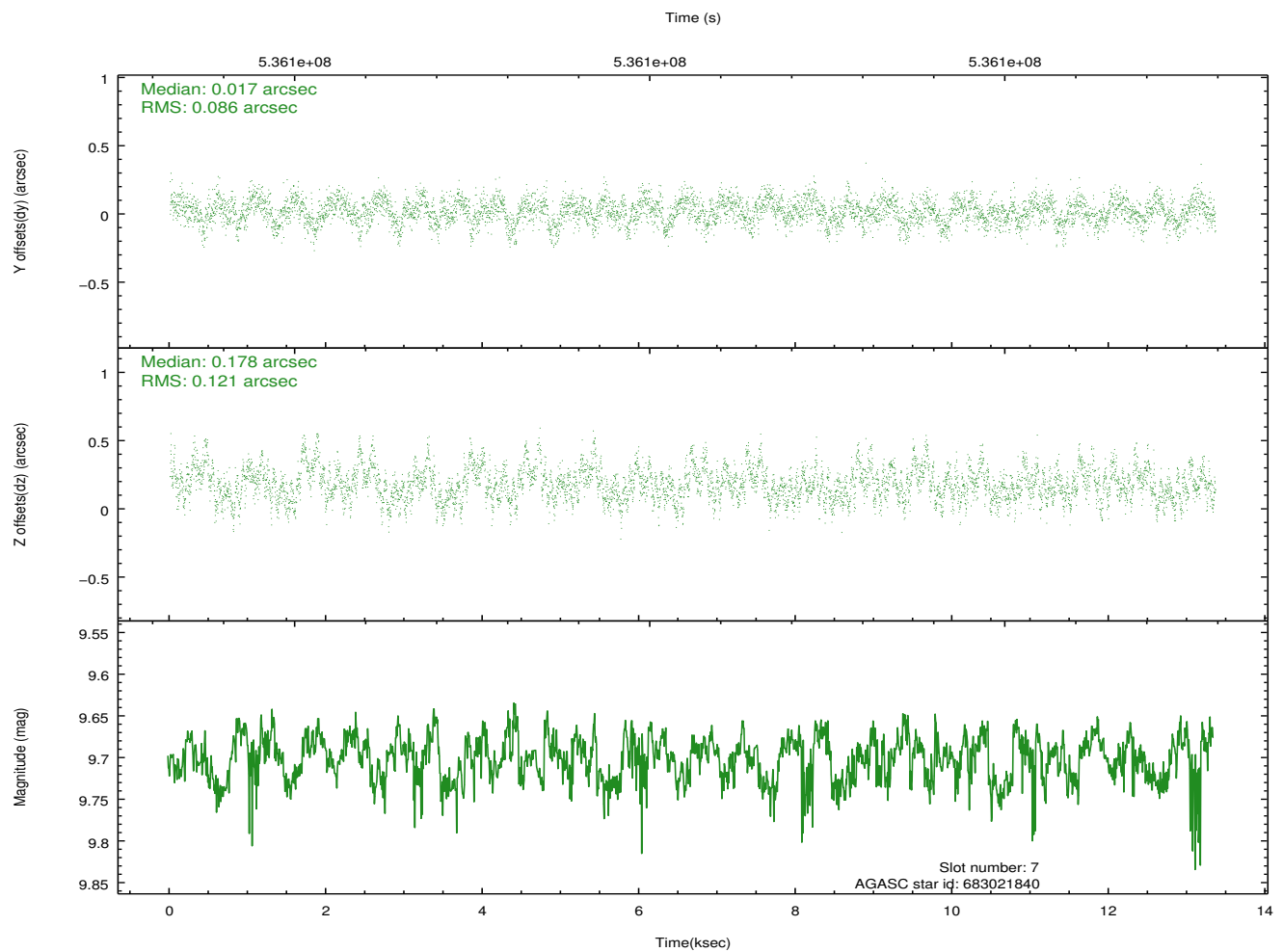
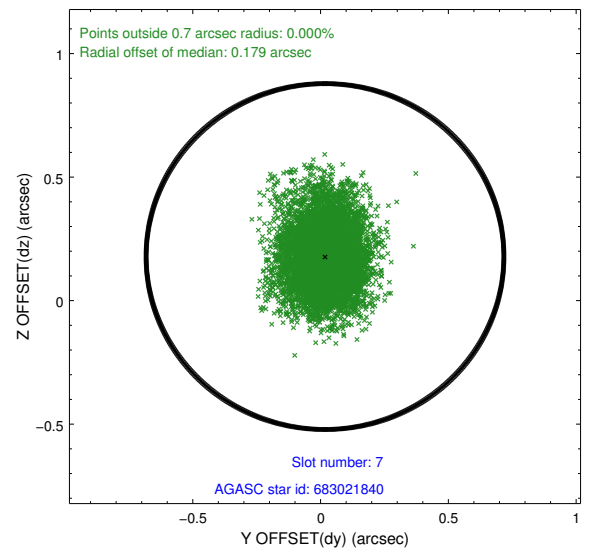
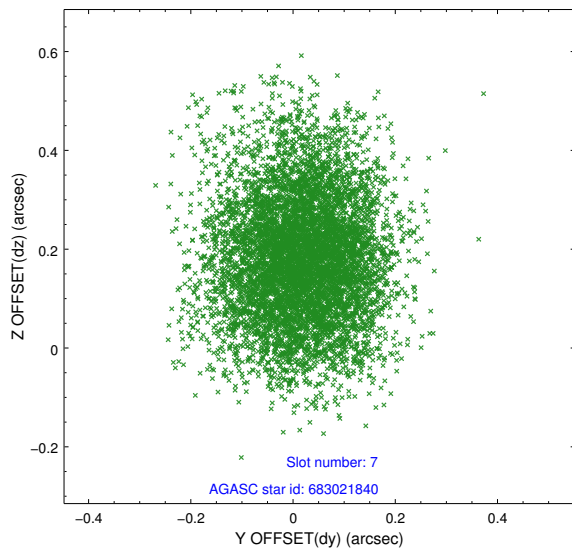
2.4.3 Slot 5



2.4.4 Slot 6

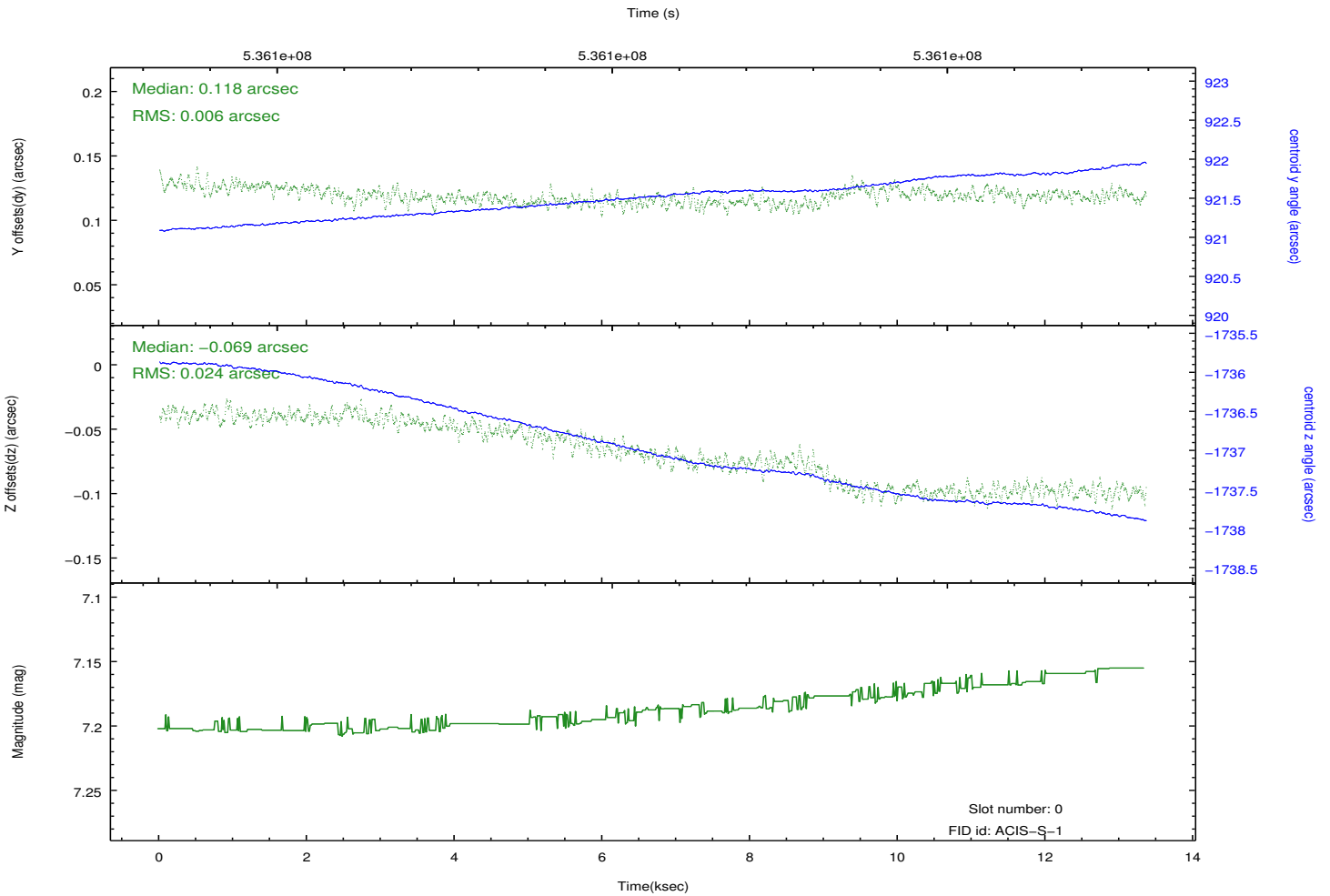
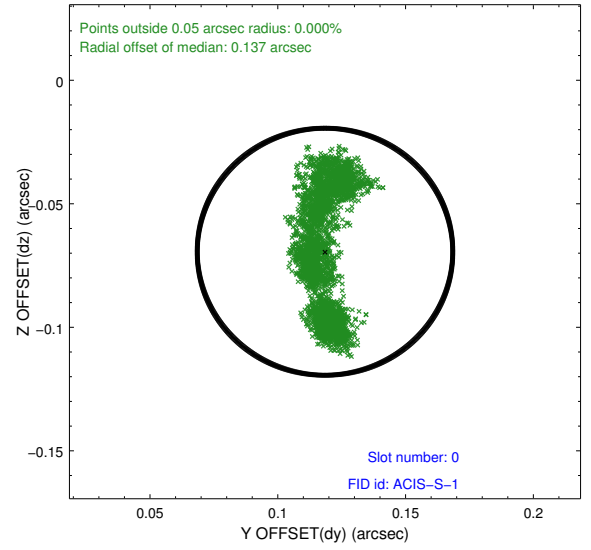
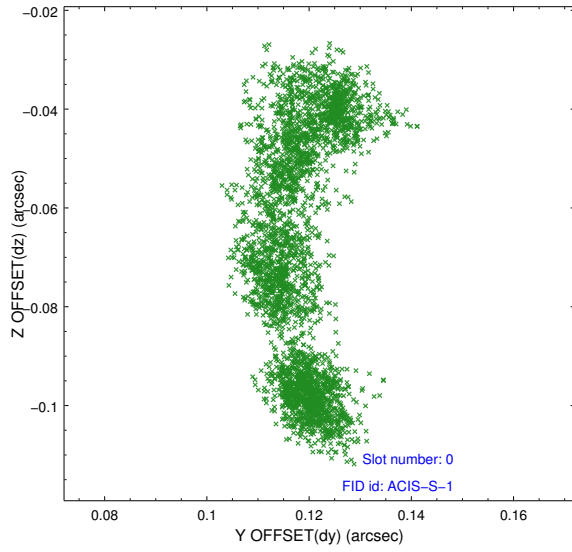


2.4.5 Slot 7

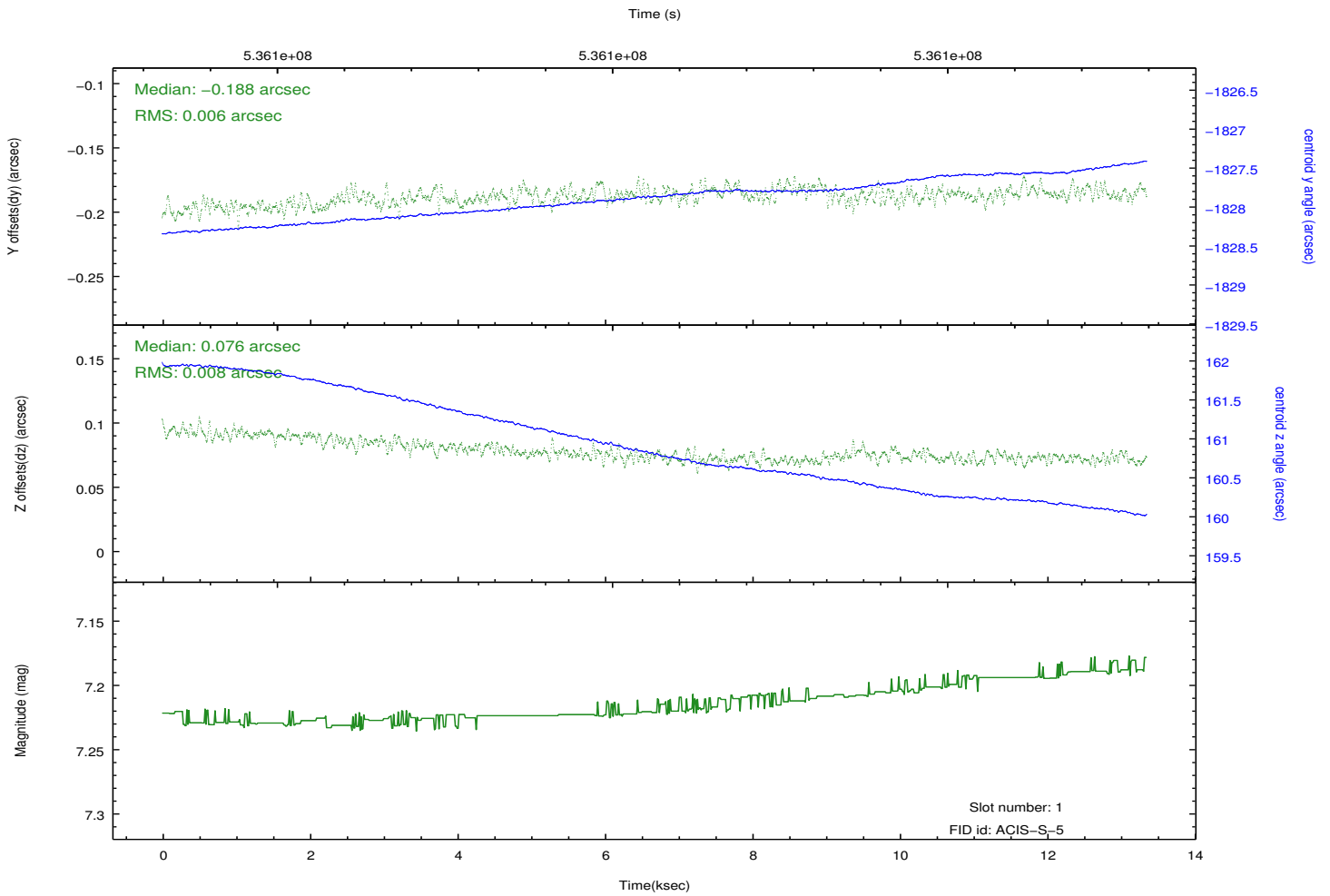
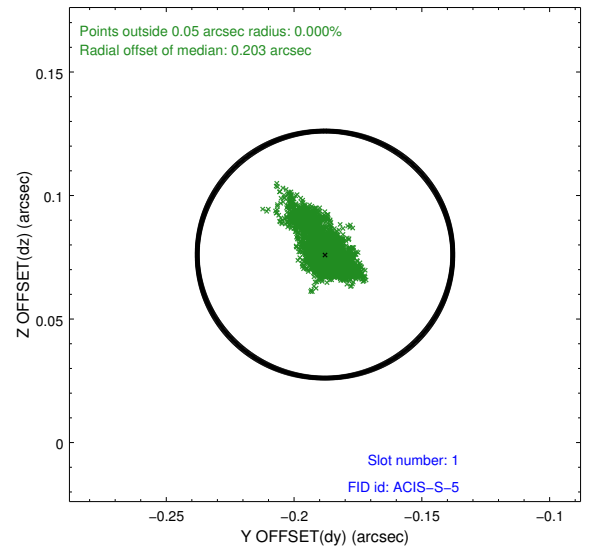
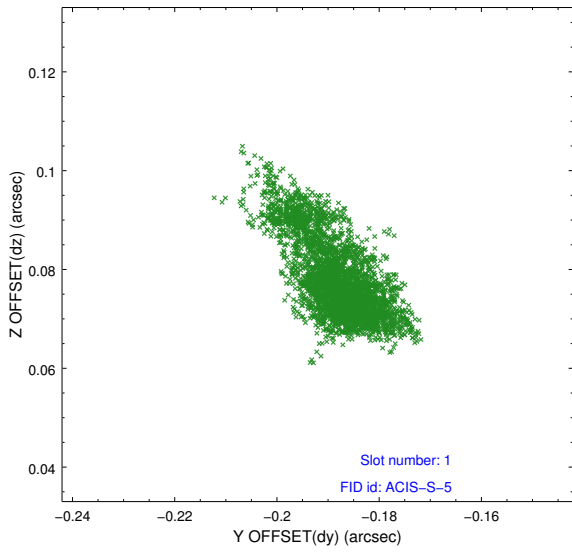


2.5 FID Slots

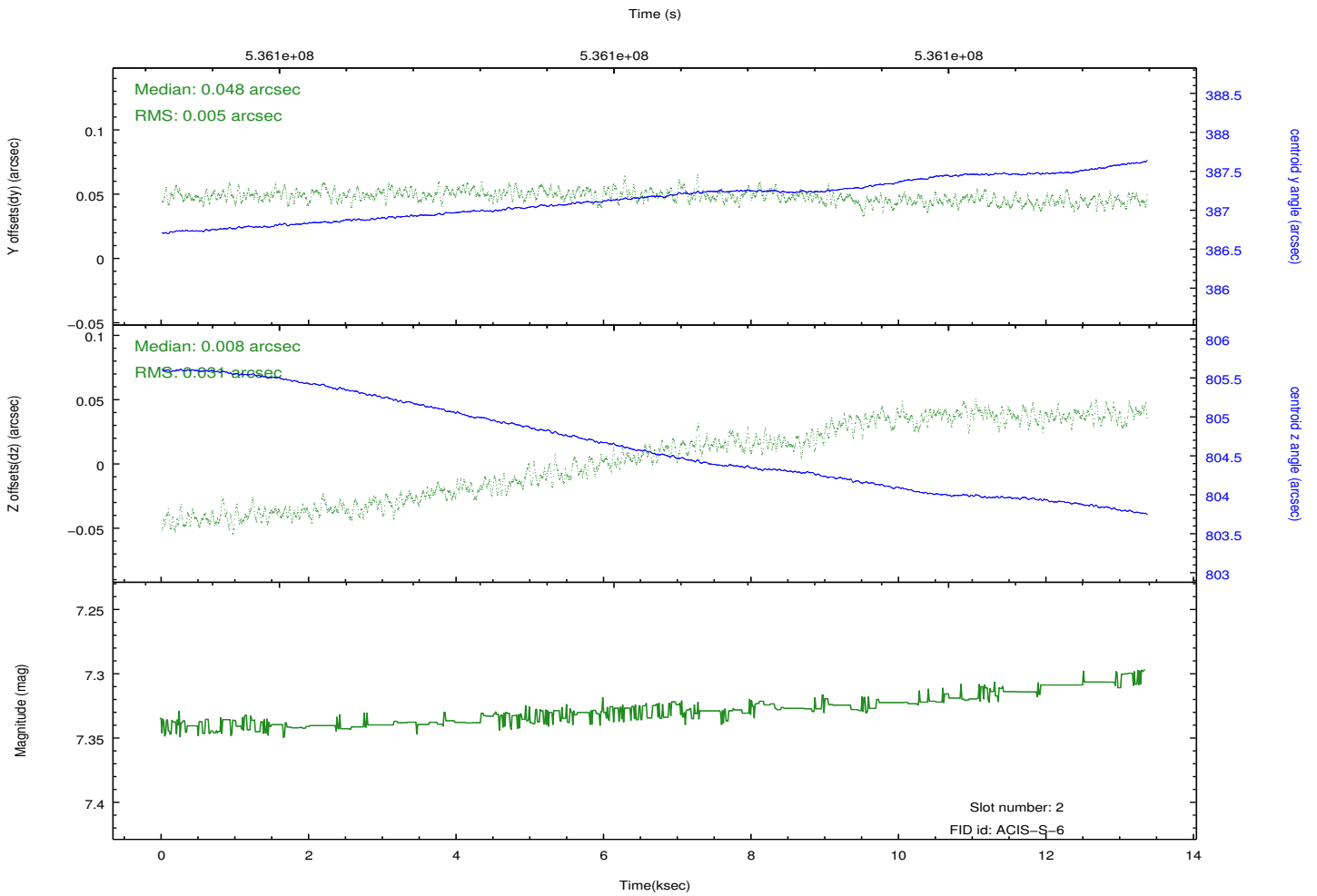
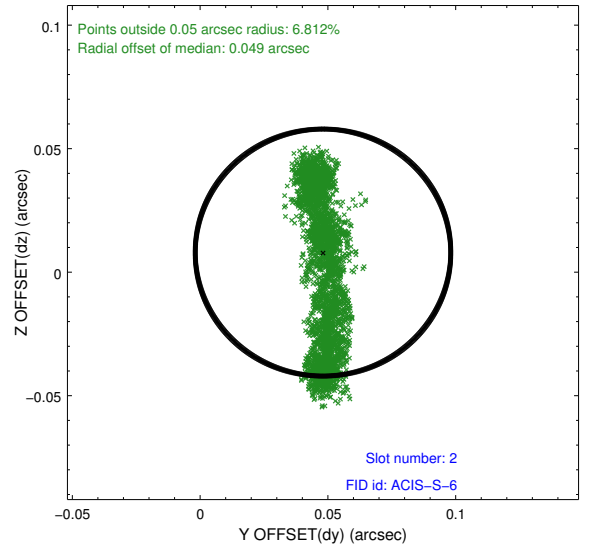
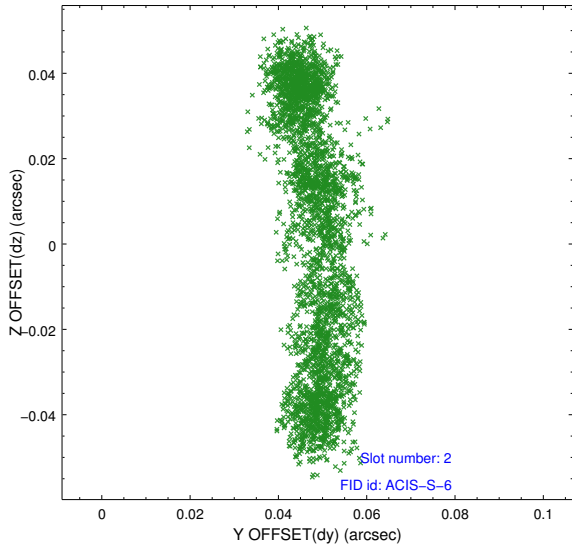
2.5.1 Slot 0



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)	2014.12.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.317113739133

A.2 Comments