

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3570 - L2 Version 3
Chandra X-Ray Center

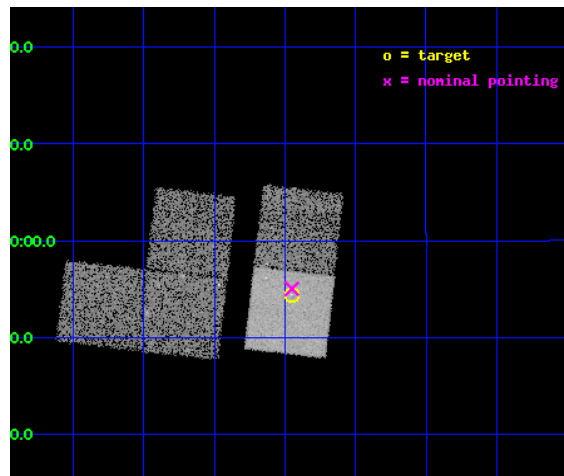
L2 Processing Date : Oct 24 2012

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1 Front

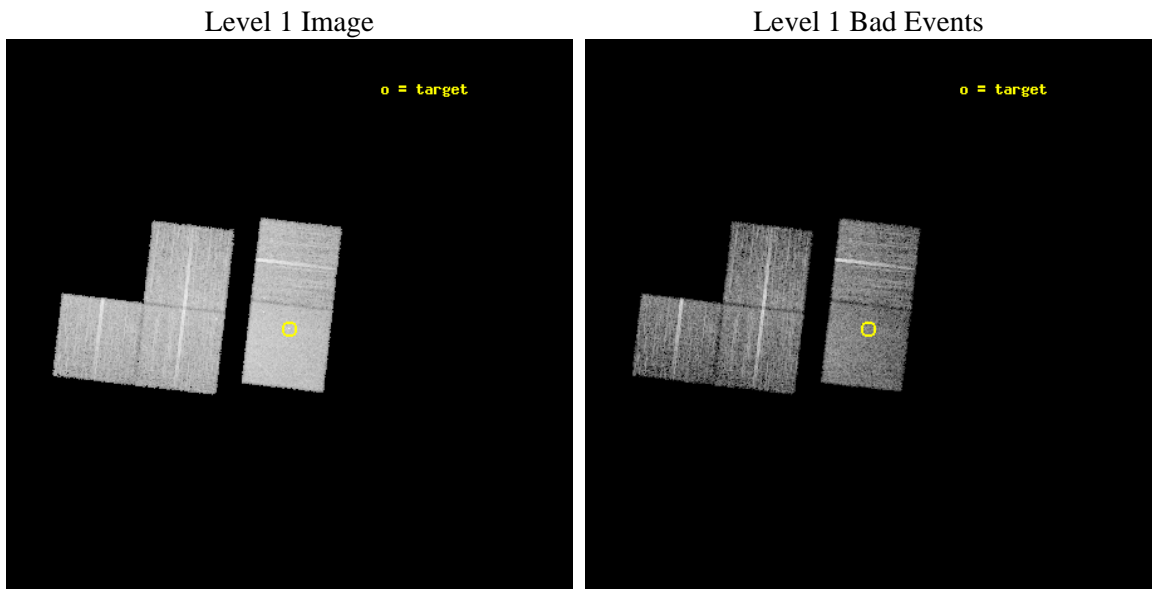
seq_num	700632	Sequence number
obs_id	3570	Observation id
title	ALTERNATE-A STUDY OF QUASAR EVOLUTION WITH THE AID OF LENSING	Prop
observer	Professor Gordon Garmire	Principal investigator
object	Q1208+1011	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.737083	Observer's specified target RA [deg]
dec_targ	9.907444	Observer's specified target Dec [deg]
ra_nom	182.73765254836	Nominal RA [deg]
dec_nom	9.9171143662244	Nominal Dec [deg]
roll_nom	96.585049402656	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10104.974398911	Sum of GTIs [s]
livetime	9972.9454692153	Livetime [s]
ontime1	10101.669258654	Sum of GTIs [s]
ontime2	10095.428308308	Sum of GTIs [s]
ontime3	10104.892318904	Sum of GTIs [s]
ontime6	10104.933358908	Sum of GTIs [s]
ontime7	10104.974398911	Sum of GTIs [s]
l2events	61437	Number of level 2 events



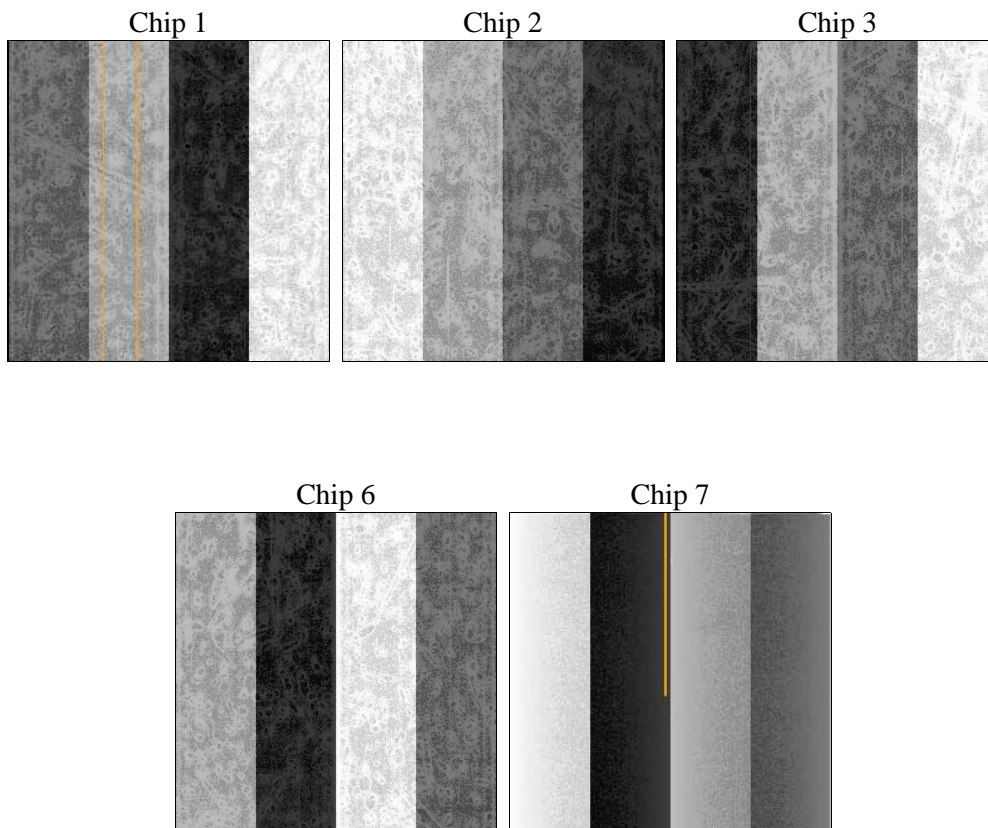
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10104.974398911	Sum of GTIs [s]
caldbver	4.5.2	 	ontime1	10101.669258654	Sum of GTIs [s]
date	2012-10-24T13:15:34	Date and time of file creation	ontime2	10095.428308308	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	10104.892318904	Sum of GTIs [s]
			ontime6	10104.933358908	Sum of GTIs [s]
			ontime7	10104.974398911	Sum of GTIs [s]
			l1events	342629	Number of level 1 events

2.1.4 Events

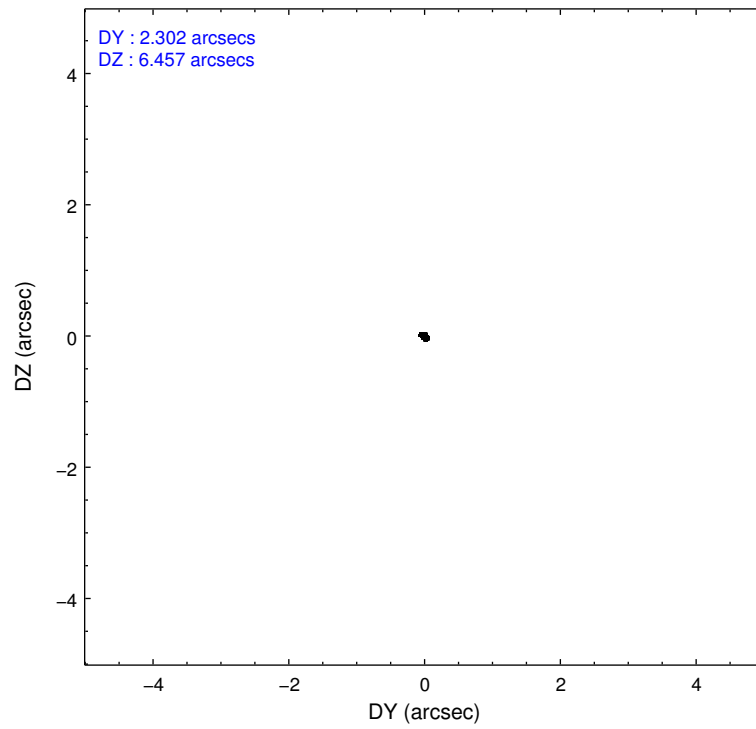
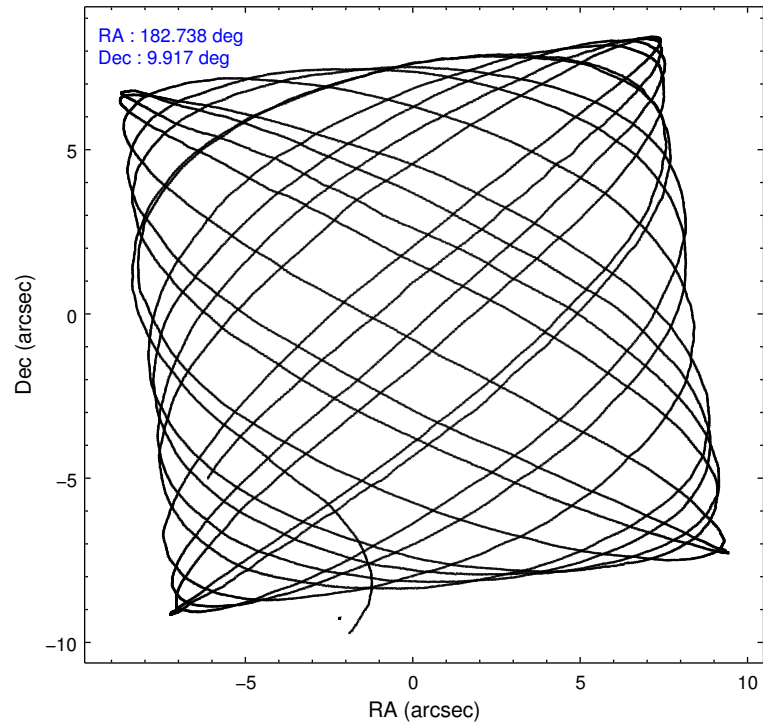
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	59806	66064	64031	66677	86051
rejected events	51883	58700	56141	58894	50627
rejected %	86%	88%	87%	88%	58%

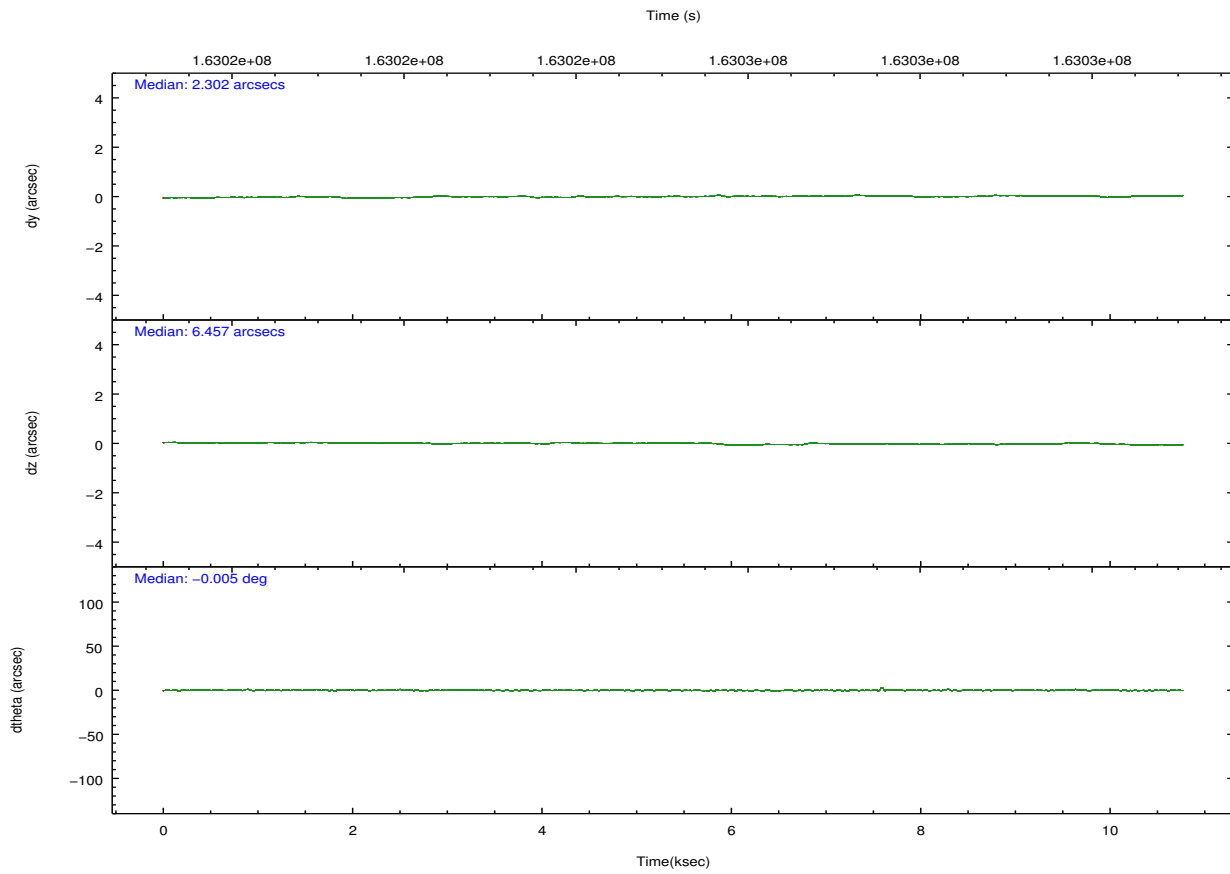
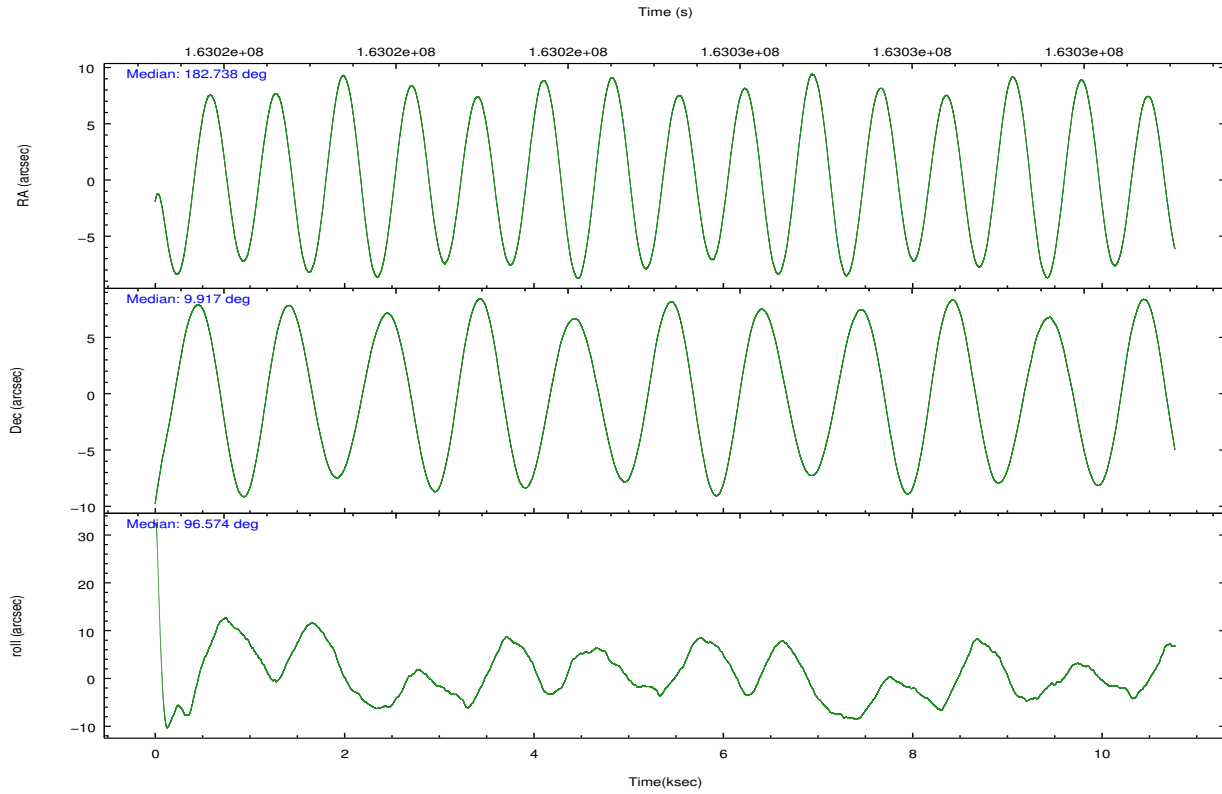
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3097	3249	3583	3107	3281
	5%	4%	5%	4%	3%
grade 1 events	30	42	33	36	77
	0%	0%	0%	0%	0%
grade 2 events	1660	1475	1490	1588	7048
	2%	2%	2%	2%	8%
grade 3 events	853	723	754	764	3136
	1%	1%	1%	1%	3%
grade 4 events	760	686	733	795	3229
	1%	1%	1%	1%	3%
grade 5 events	2474	2449	2767	2947	8164
	4%	3%	4%	4%	9%
grade 6 events	1559	1232	1336	1540	18752
	2%	1%	2%	2%	21%
grade 7 events	49373	56208	53335	55900	42364
	82%	85%	83%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-12367	ACIS-12367	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	182.754459	182.7376525483575	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.895452	9.9171143662244	Alternating exposures requested	N	N
[deg] Pointing Roll	96.425479	96.58504940265573	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	163020513.184000	163019260.91256			
Observation start date	2003-03-02T19:27:29	2003-03-02T19:07:40			
[s] Observation end time (MET)	163030513.184000	163031310.30057			
Observation end date	2003-03-02T22:14:09	2003-03-02T22:28:30			
Read mode	TIMED	TIMED			

2.3 Aspect



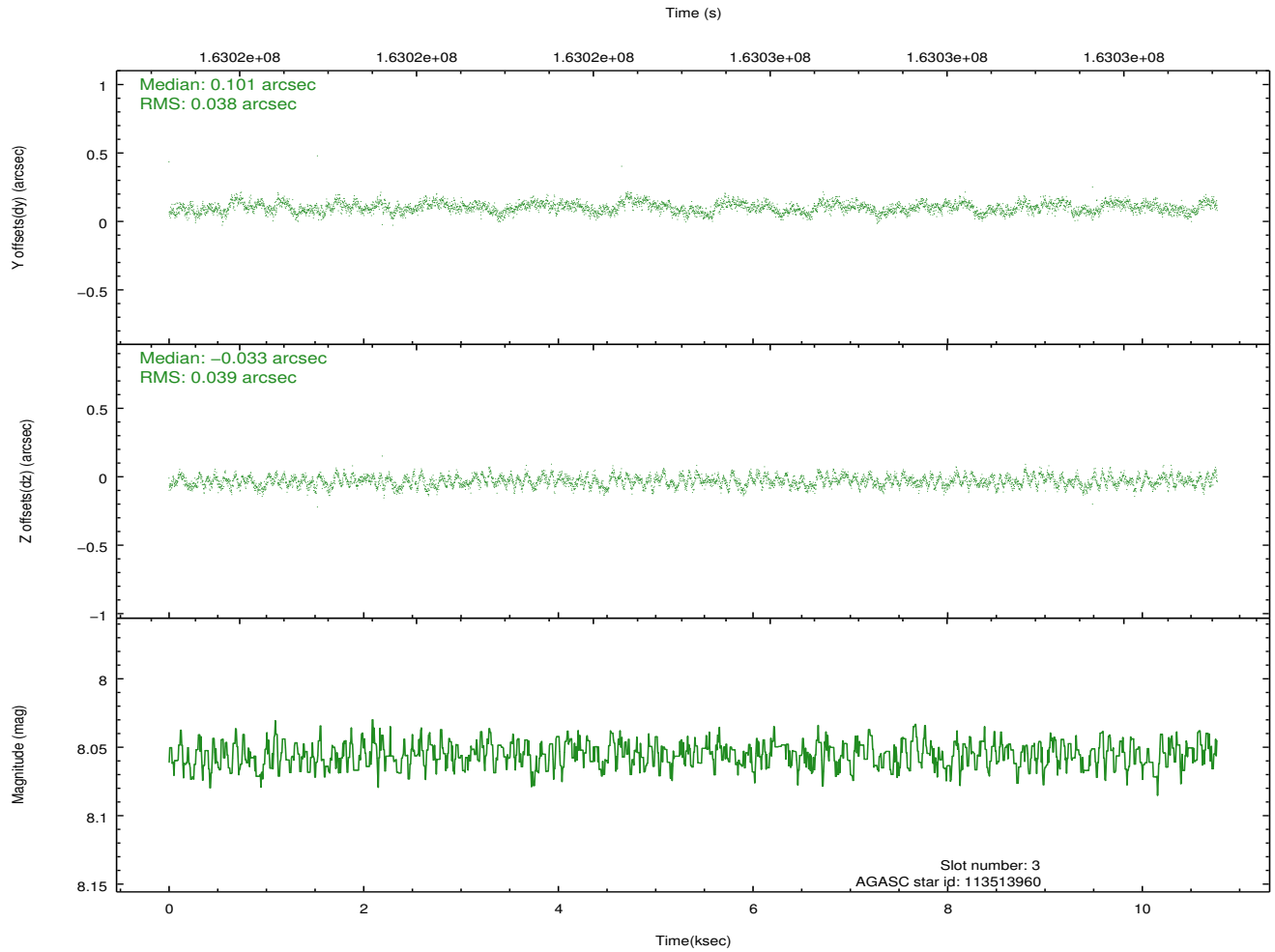
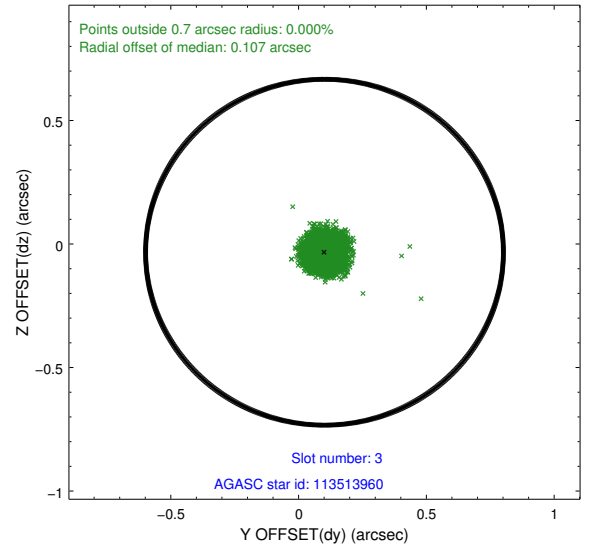
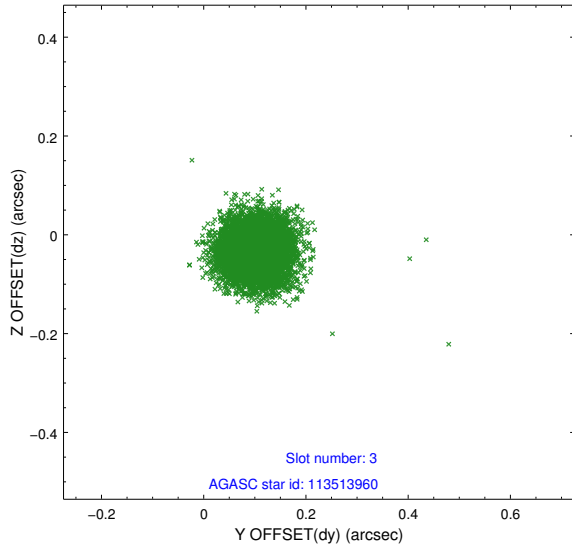


Slot Statistics

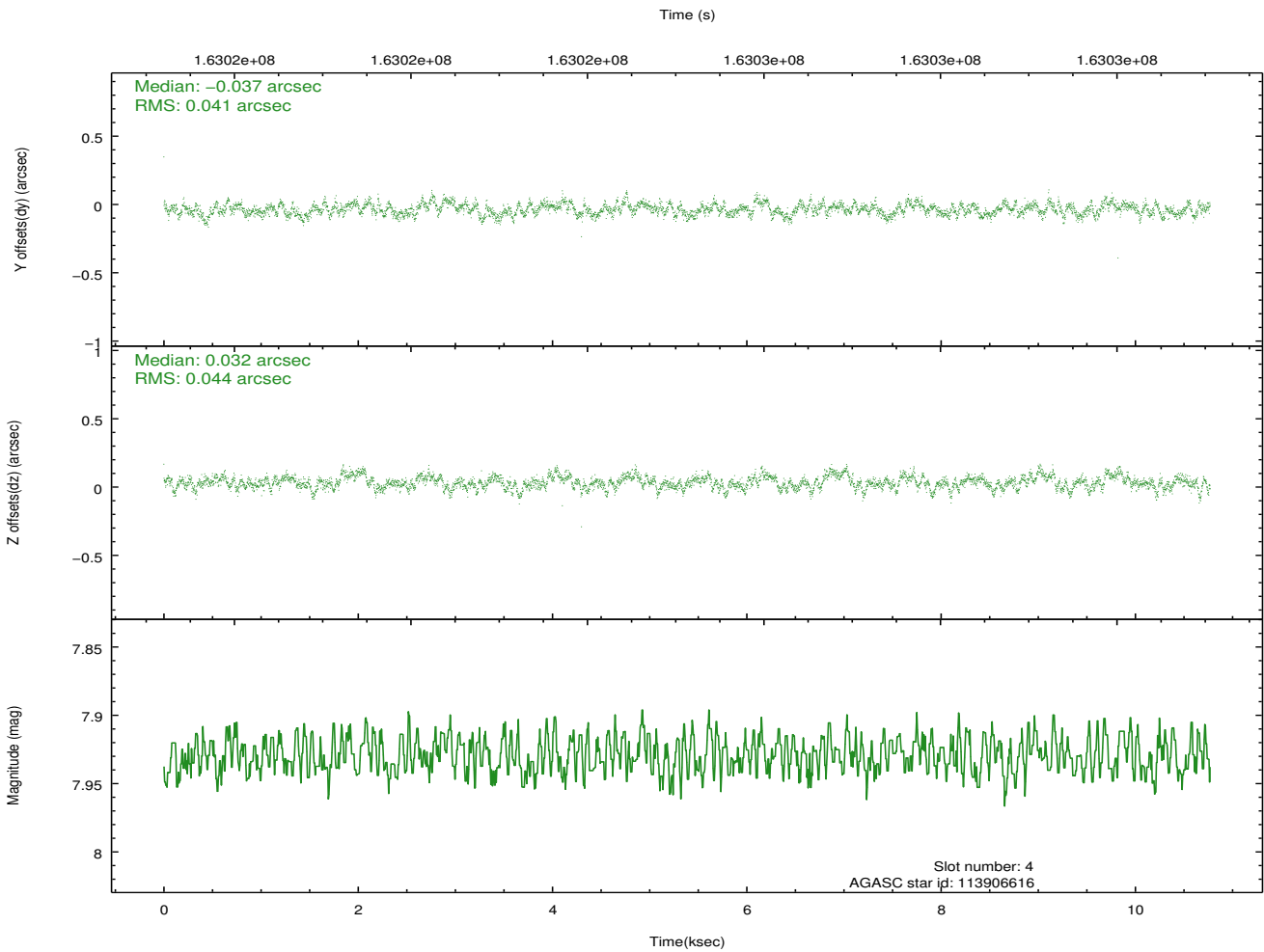
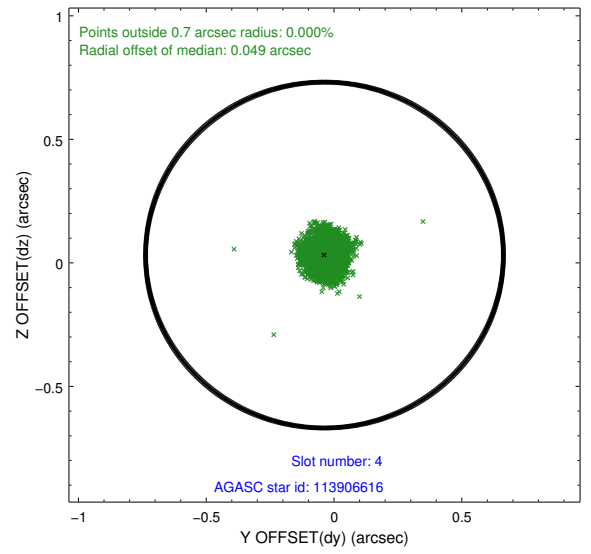
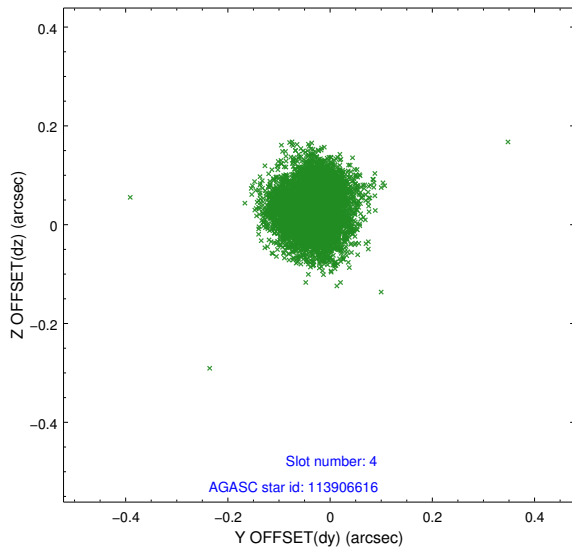
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2628	-0.047	-0.001	0.007	0.011	0.000000	0.000000	-754.93	-1727.56
1	FID	ACIS-S-4	7.21	2628	0.001	0.023	0.005	0.010	0.000000	0.000000	2158.14	180.50
2	FID	ACIS-S-5	7.24	2628	0.015	-0.013	0.007	0.011	0.000000	0.000000	-1807.13	174.61
3	GUIDE	113513960	8.06	5254	0.101	-0.033	0.058	0.089	182.997366	9.307108	-2200.90	-620.72
4	GUIDE	113906616	7.93	5255	-0.037	0.032	0.064	0.101	183.239714	10.037718	316.30	-1767.17
5	GUIDE	113909720	7.53	5253	-0.047	0.116	0.072	0.116	183.372953	10.041634	279.11	-2237.75
6	GUIDE	113909952	9.83	5210	-0.075	-0.155	0.131	0.208	182.703120	10.082649	690.01	105.21
7	GUIDE	113511680	8.96	5252	0.050	0.049	0.090	0.140	183.439930	9.742834	-815.16	-2355.49

2.4 Star Slots

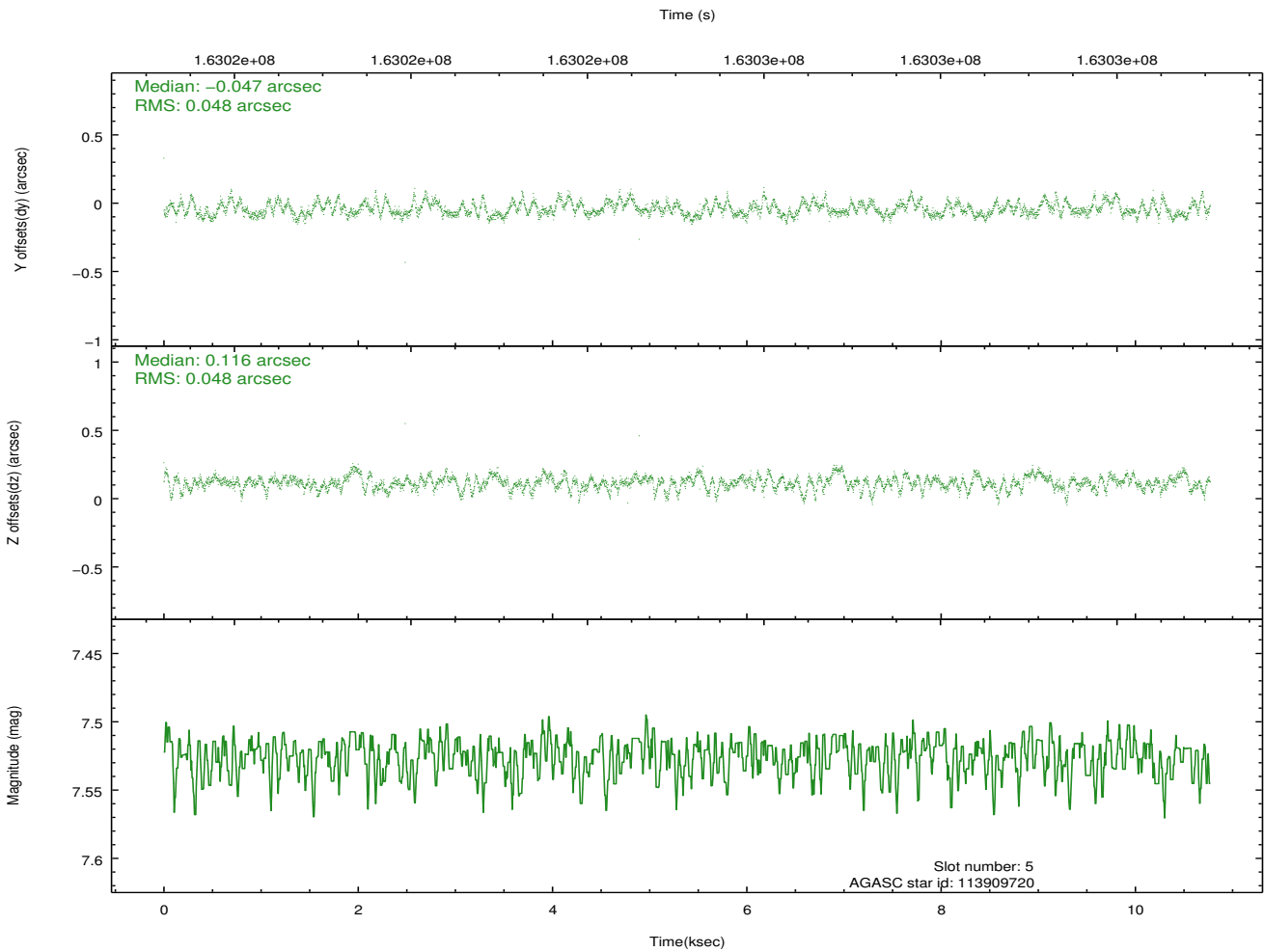
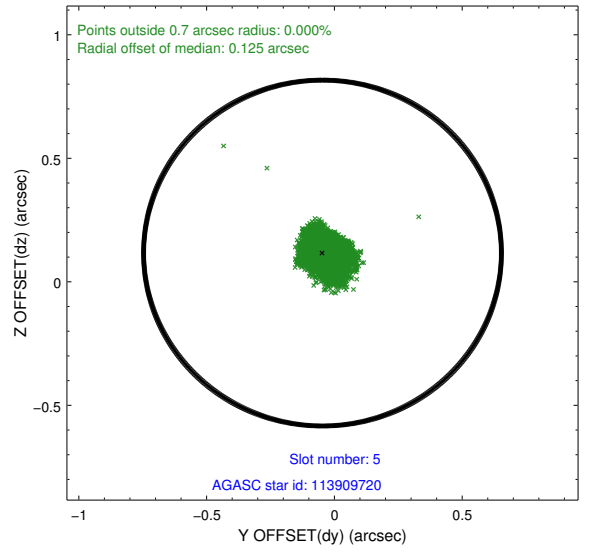
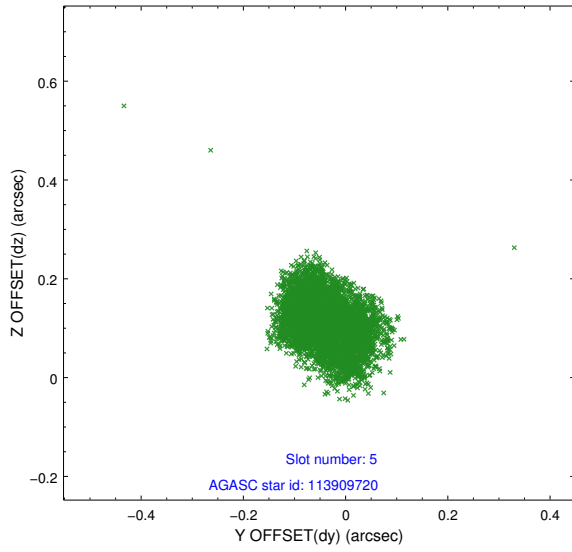
2.4.1 Slot 3



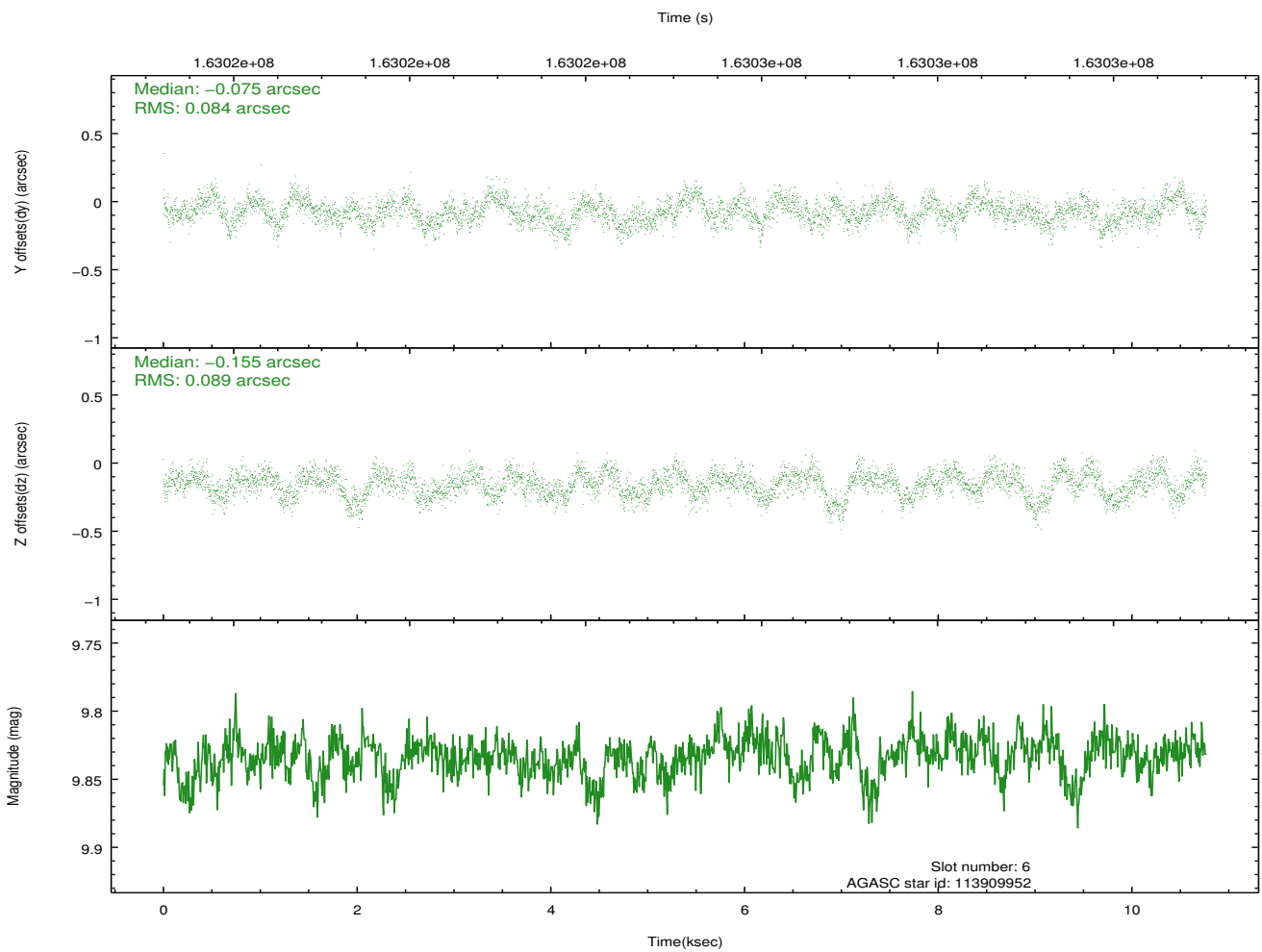
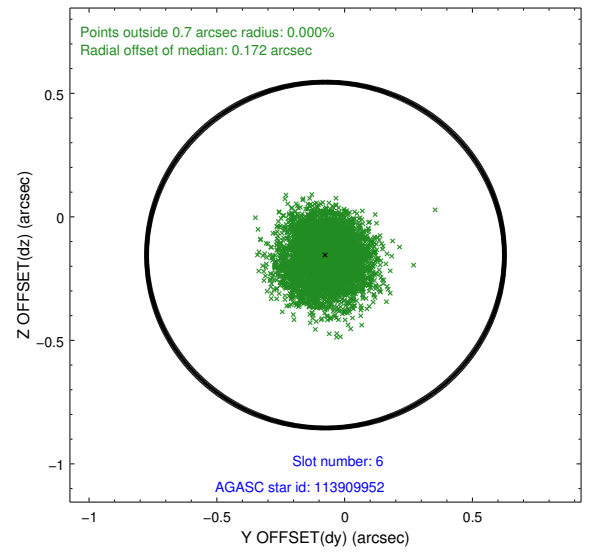
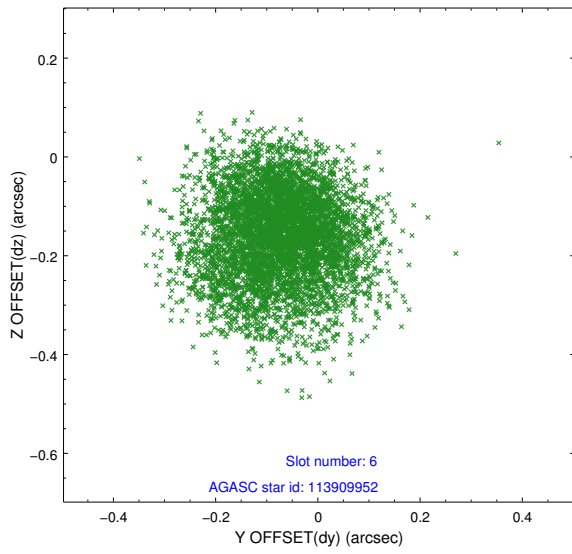
2.4.2 Slot 4



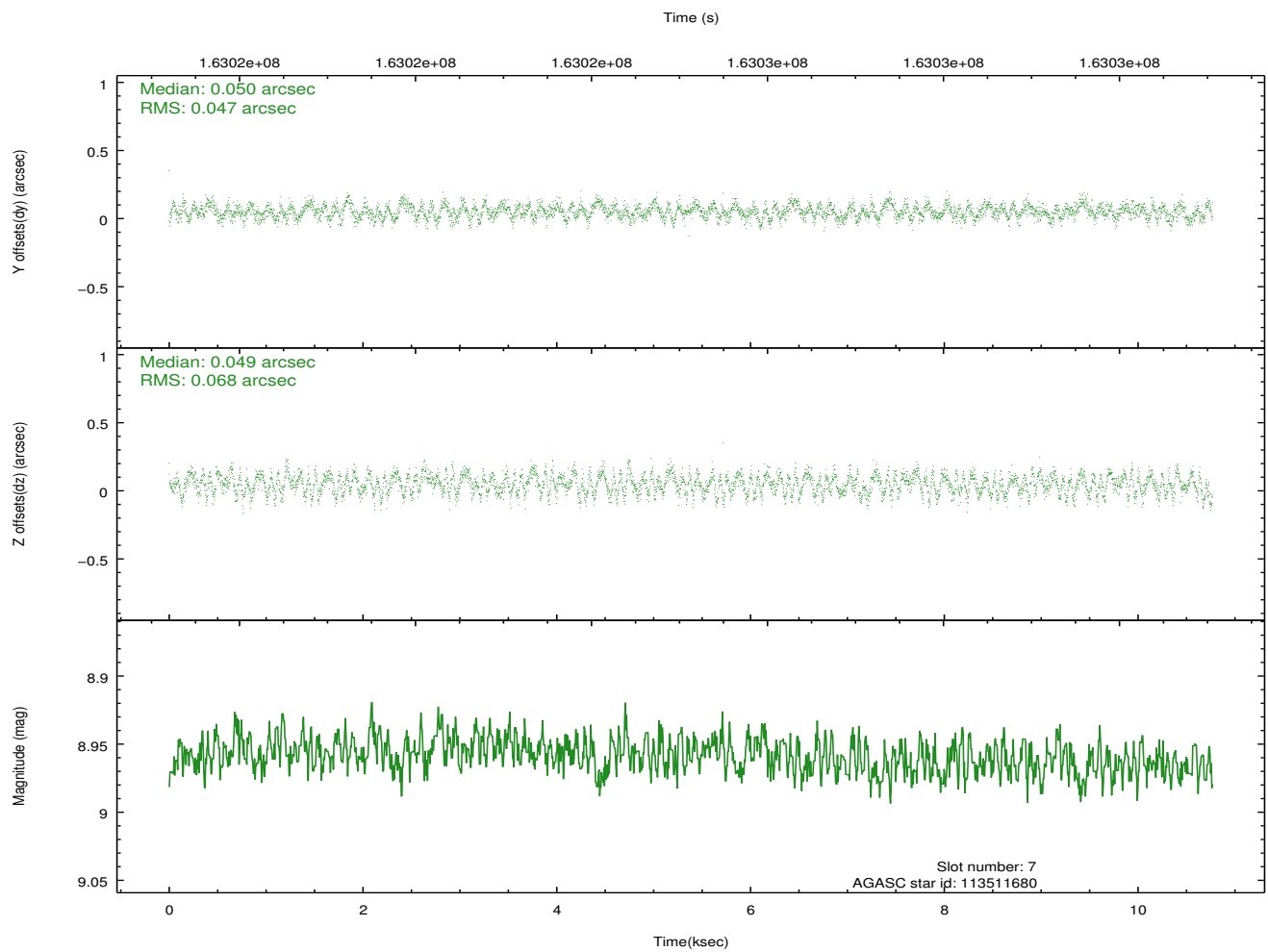
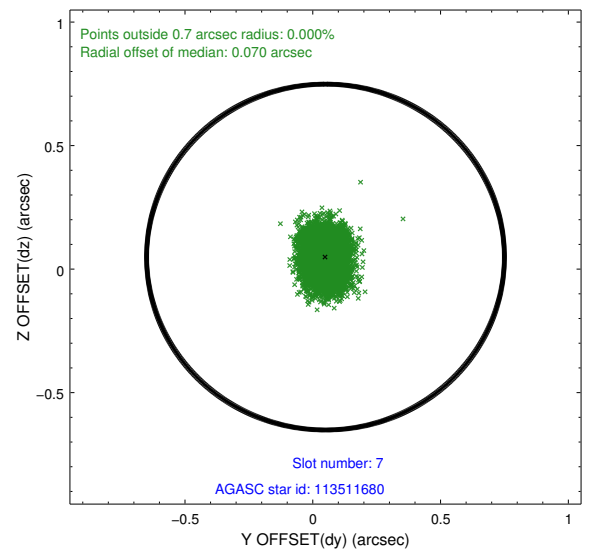
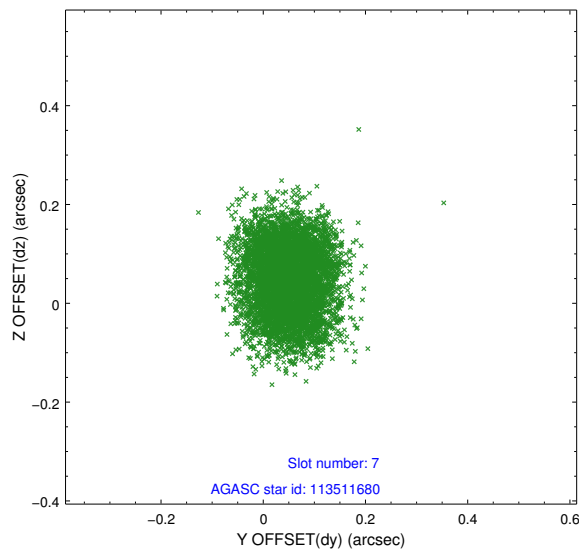
2.4.3 Slot 5



2.4.4 Slot 6

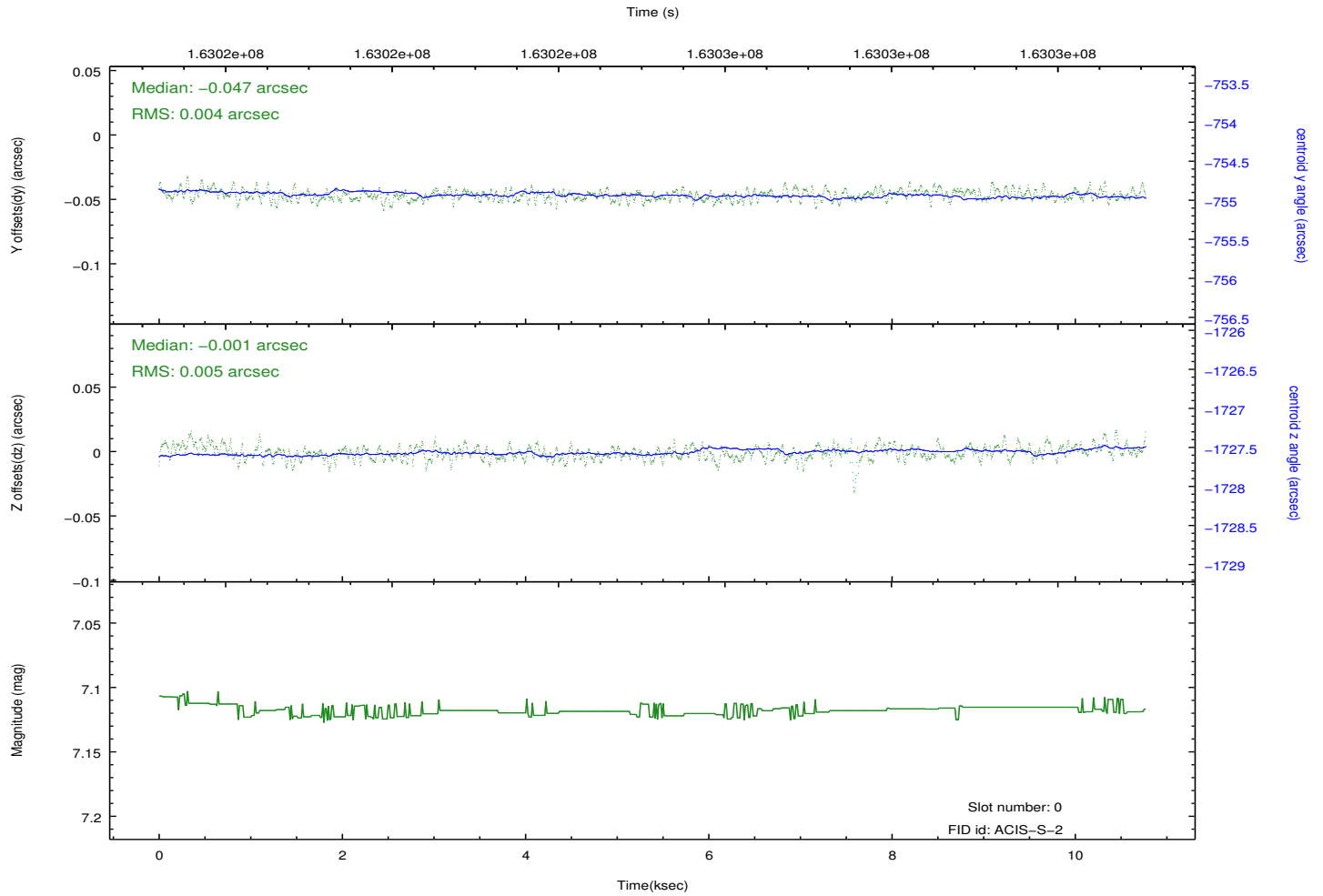
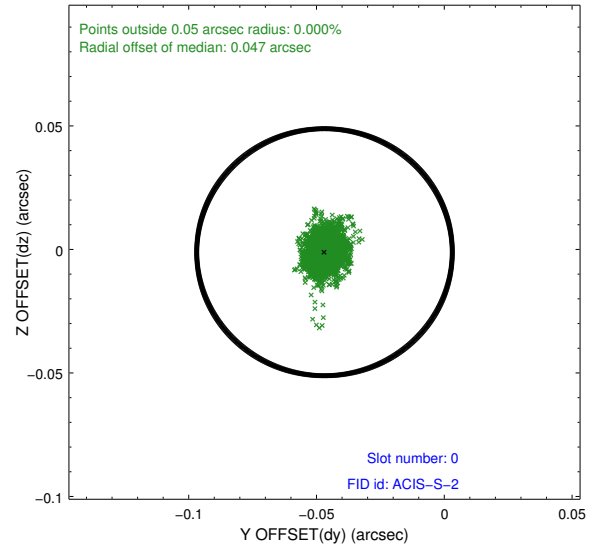
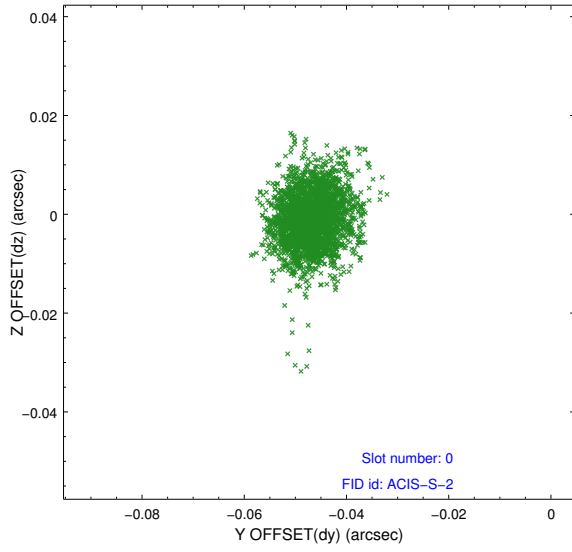


2.4.5 Slot 7

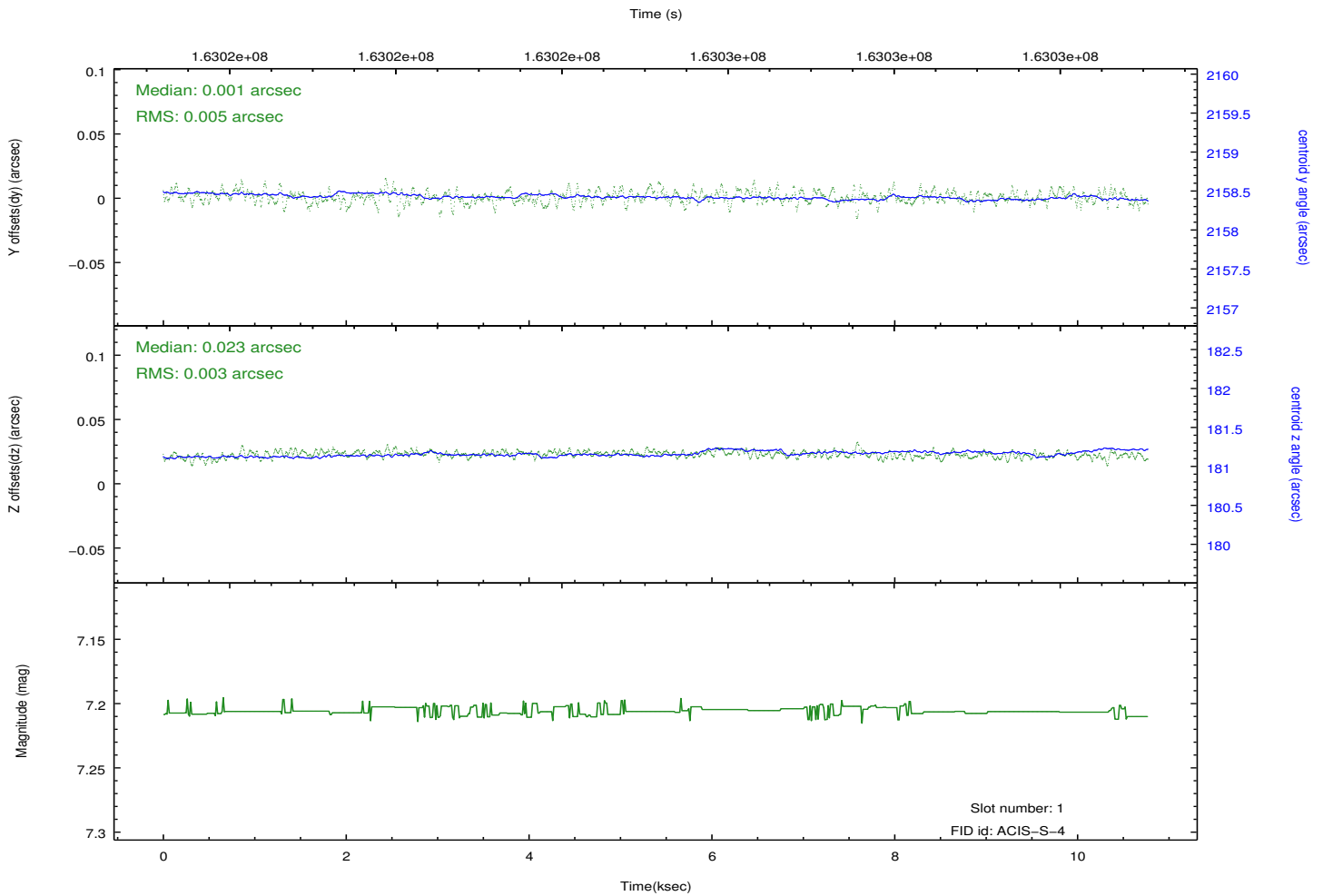
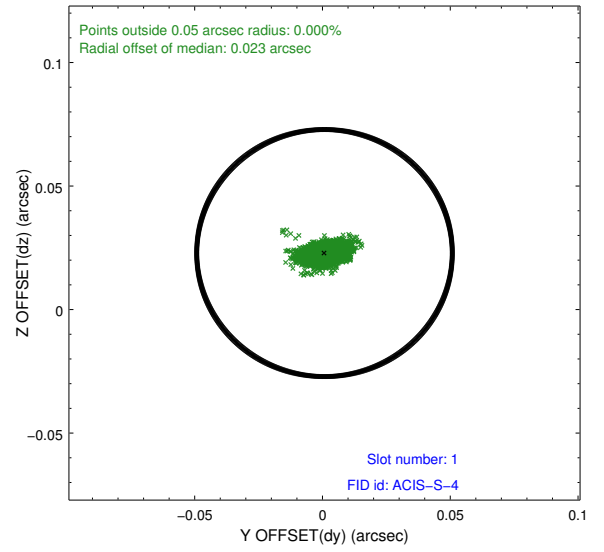
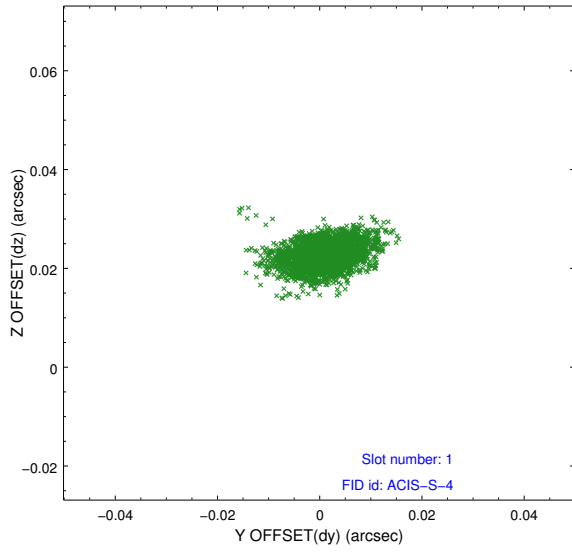


2.5 FID Slots

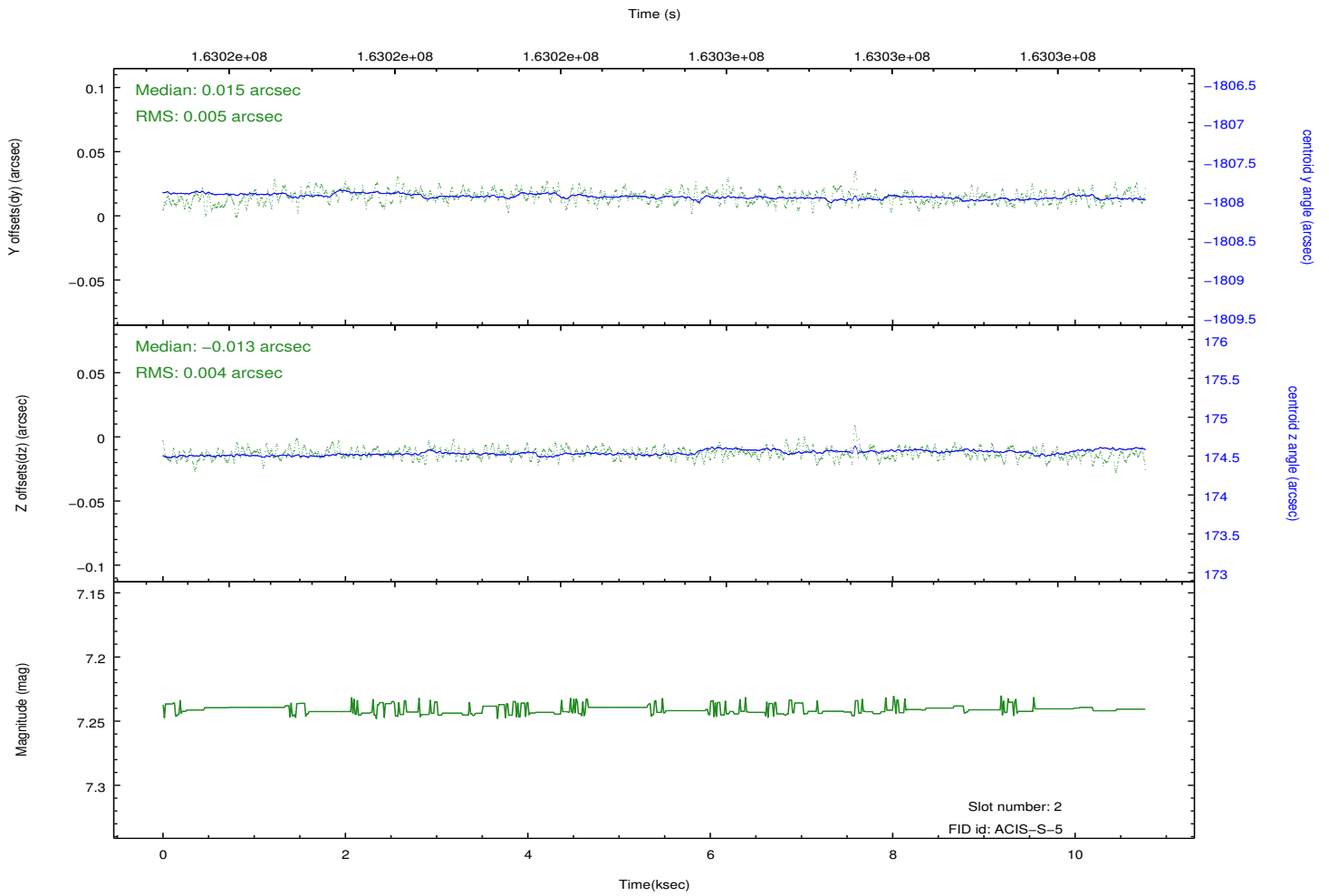
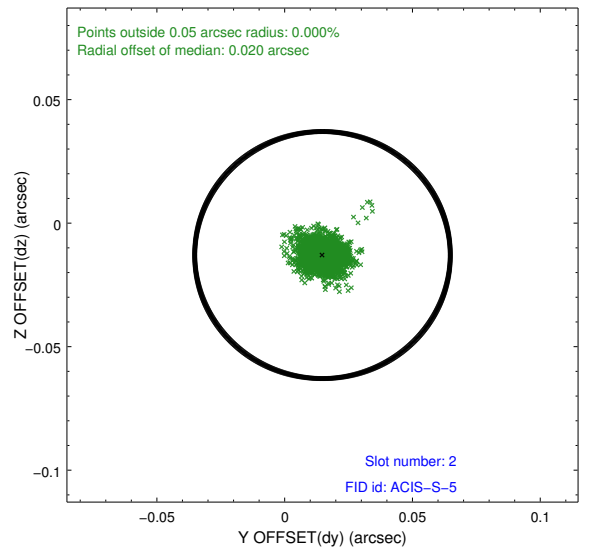
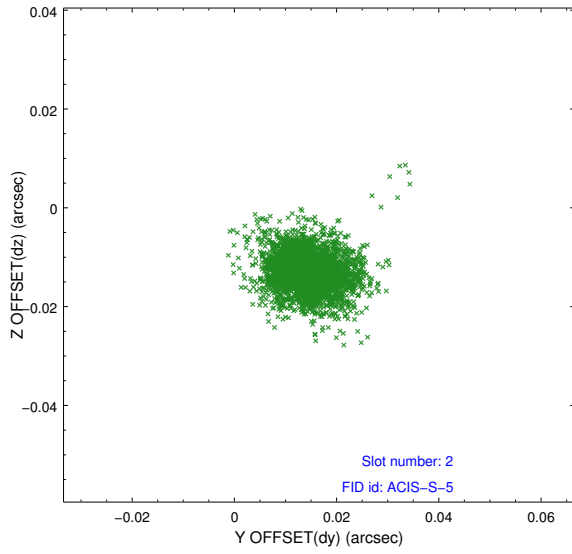
2.5.1 Slot 0



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)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.105

A.2 Comments