

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2459 - L2 Version 4
Chandra X-Ray Center

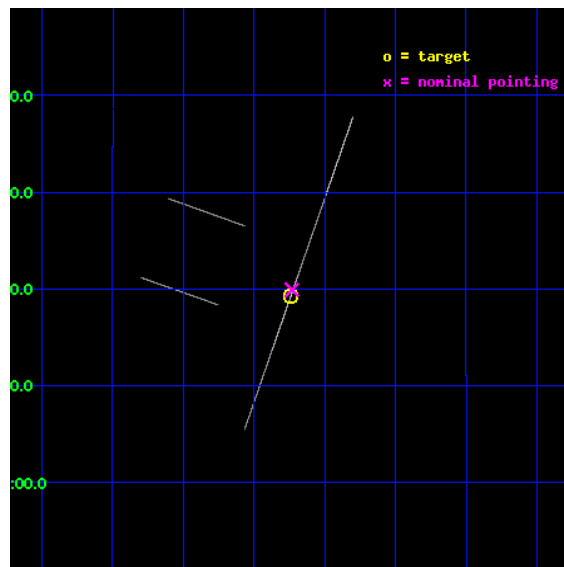
L2 Processing Date : Sep 18 2012

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1 Front

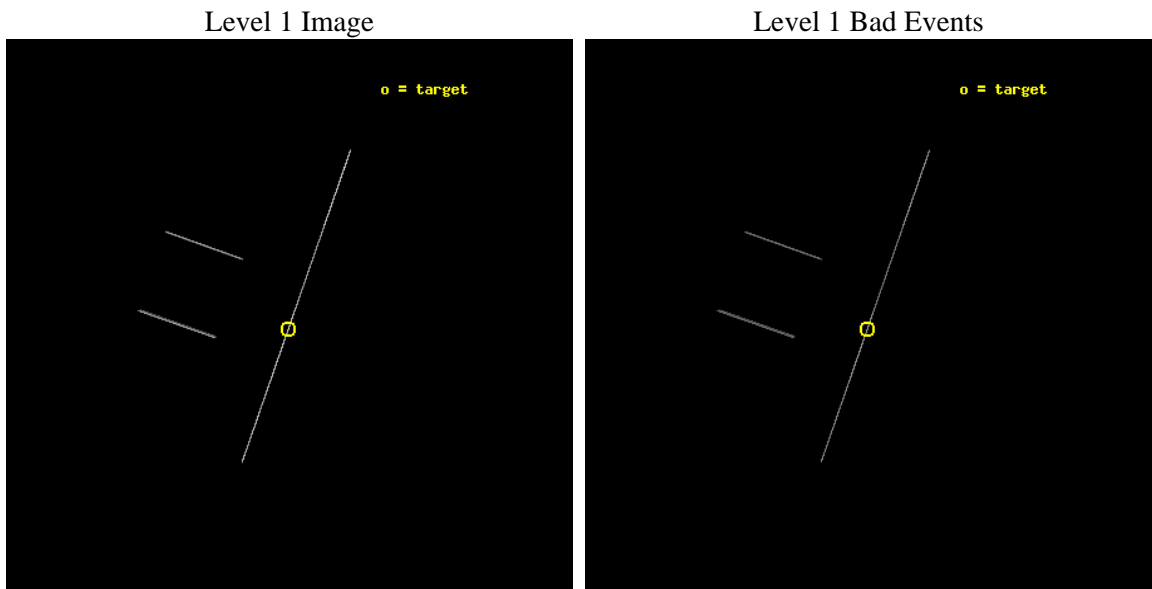
seq_num	500200	Sequence number
obs_id	2459	Observation id
title	TOO OBSERVATIONS OF SGR 1900+14 IN AN ACTIVE STATE	Proposal title
observer	Dr. CHRYSSEA KOUVELIOTOU	Principal investigator
object	SGR 1900 + 14	Source name
ra_targ	286.809583	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.80800997086	Nominal RA [deg]
dec_nom	9.3319139423025	Nominal Dec [deg]
roll_nom	109.32456297088	Nominal Roll [deg]
revision	4	Processing version of data
ontime	18892.25	Sum of GTIs [s]
livetime	18818.452148438	Livetime [s]
ontime2	18892.25	Sum of GTIs [s]
ontime3	18892.25	Sum of GTIs [s]
ontime5	18892.25	Sum of GTIs [s]
ontime6	18892.25	Sum of GTIs [s]
ontime7	18892.25	Sum of GTIs [s]
ontime8	18892.25	Sum of GTIs [s]
l2events	201391	Number of level 2 events



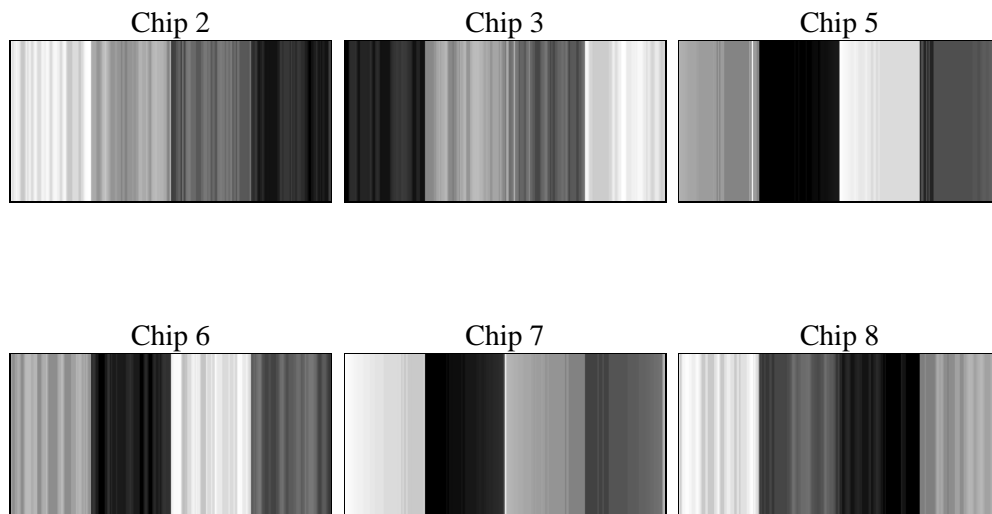
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	18766.114000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	18892.25	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	18892.25	Sum of GTIs [s]
date	2012-09-18T22:29:26	Date and time of file creation	ontime3	18892.25	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	18892.25	Sum of GTIs [s]
			ontime6	18892.25	Sum of GTIs [s]
			ontime7	18892.25	Sum of GTIs [s]
			ontime8	18892.25	Sum of GTIs [s]
			l1events	316896	Number of level 1 events

2.1.4 Events

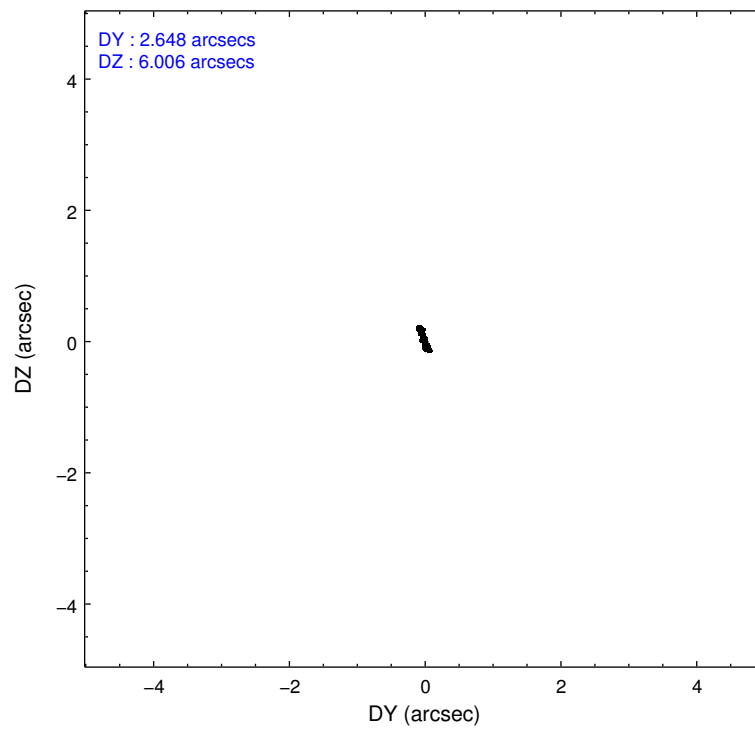
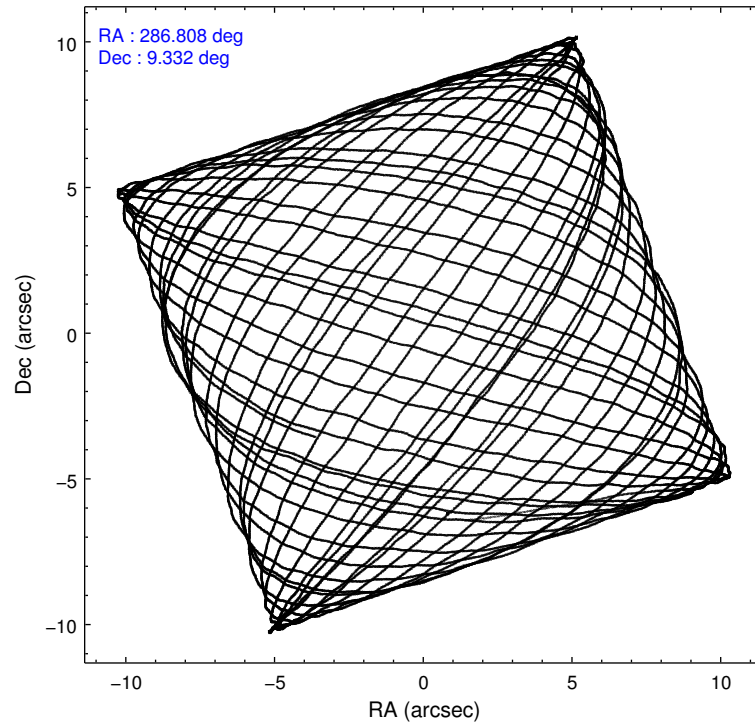
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23782	25879	107690	25562	84555	49428
rejected events	5082	5674	16209	5799	16660	9079
rejected %	21%	21%	15%	22%	19%	18%

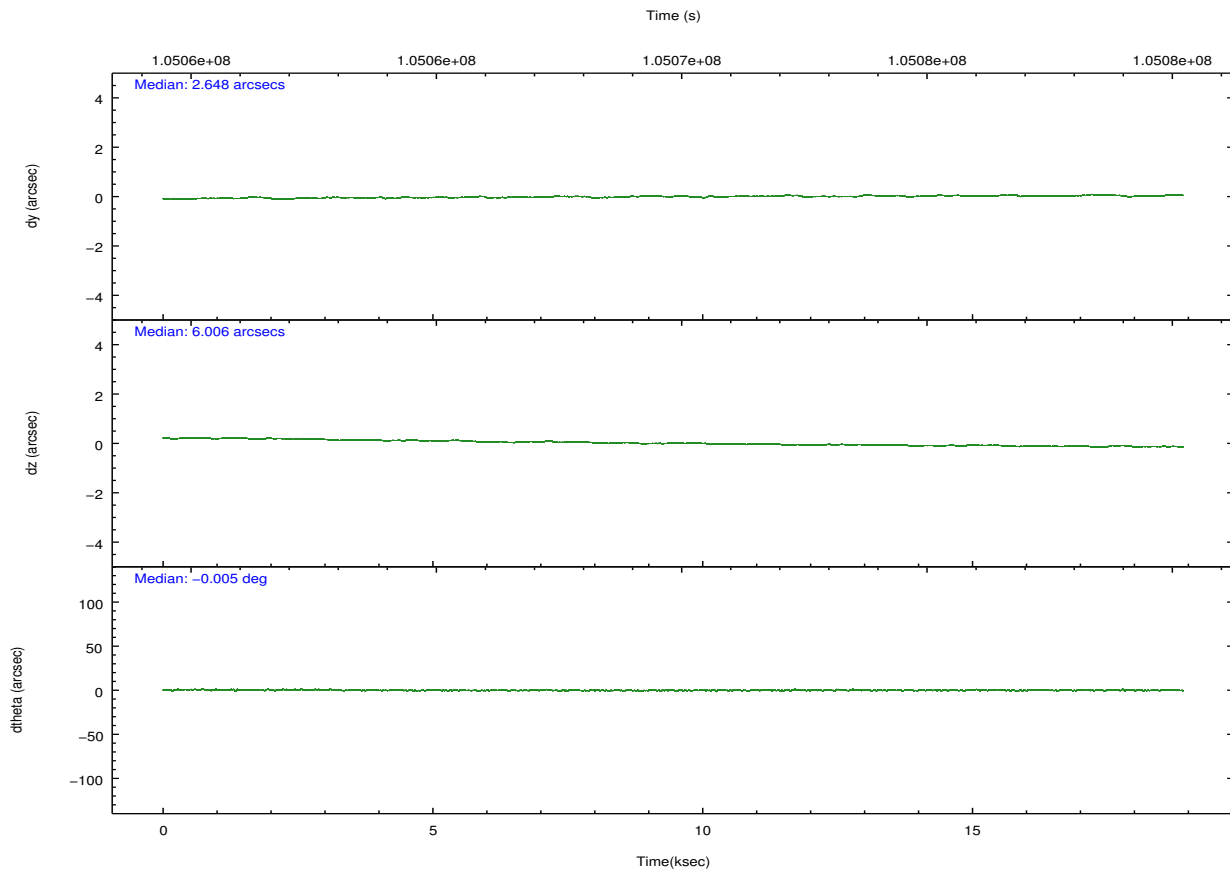
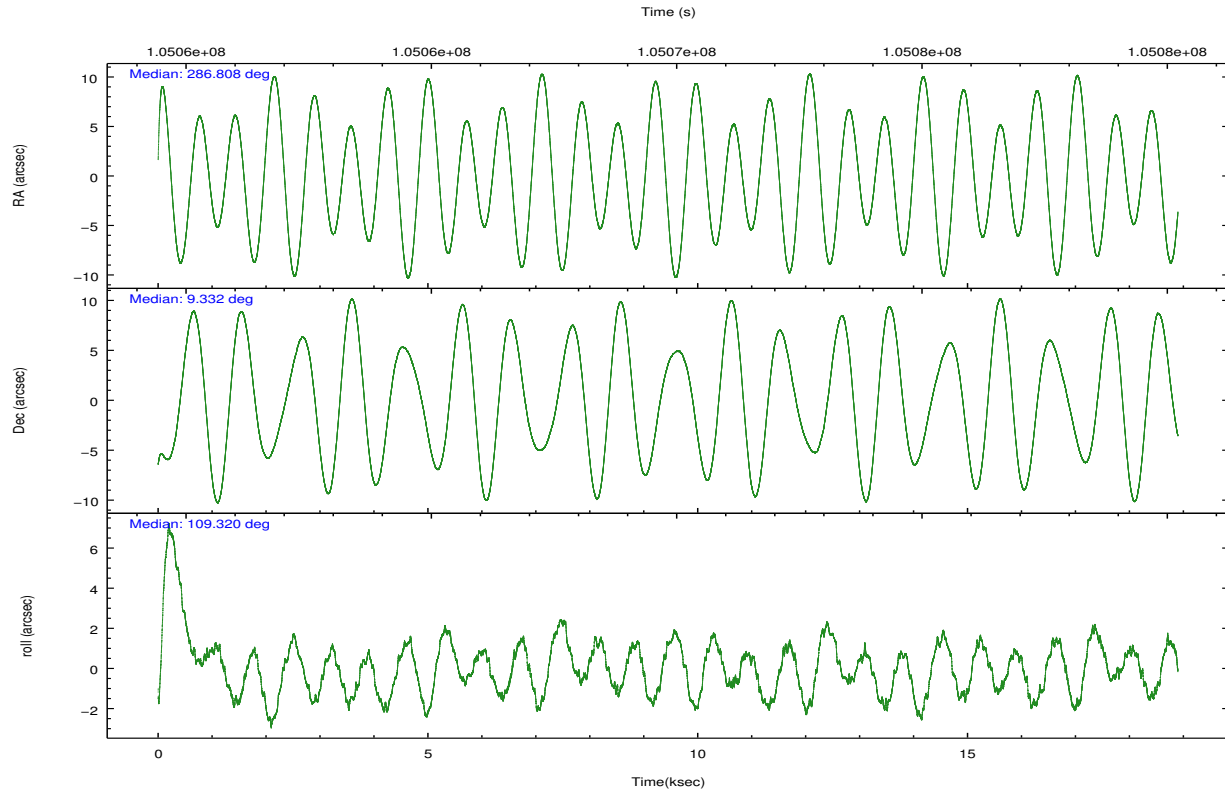
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2688	2755	23739	2410	7961	8381
	11%	10%	22%	9%	9%	16%
grade 1 events	66	79	163	90	203	163
	0%	0%	0%	0%	0%	0%
grade 2 events	7323	7938	25946	8027	17276	12631
	30%	30%	24%	31%	20%	25%
grade 3 events	2879	3424	2519	2882	6124	5650
	12%	13%	2%	11%	7%	11%
grade 4 events	2848	2945	2274	2880	6052	5404
	11%	11%	2%	11%	7%	10%
grade 5 events	3901	4306	10485	4540	12874	6383
	16%	16%	9%	17%	15%	12%
grade 6 events	4077	4432	42564	4733	34065	10816
	17%	17%	39%	18%	40%	21%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	286.829186	286.8080099708575	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.314329	9.331913942302489	Alternating exposures requested	N	N
[deg] Pointing Roll	109.164512	109.3245629708779	[s] Primary exposure time	0.000000	0
[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)	105060508.184000	105059234.95137			
Observation start date	2001-04-30T23:27:24	2001-04-30T23:07:14			
[s] Observation end time (MET)	105079274.184000	105079589.40216			
Observation end date	2001-05-01T04:40:10	2001-05-01T04:46:29			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



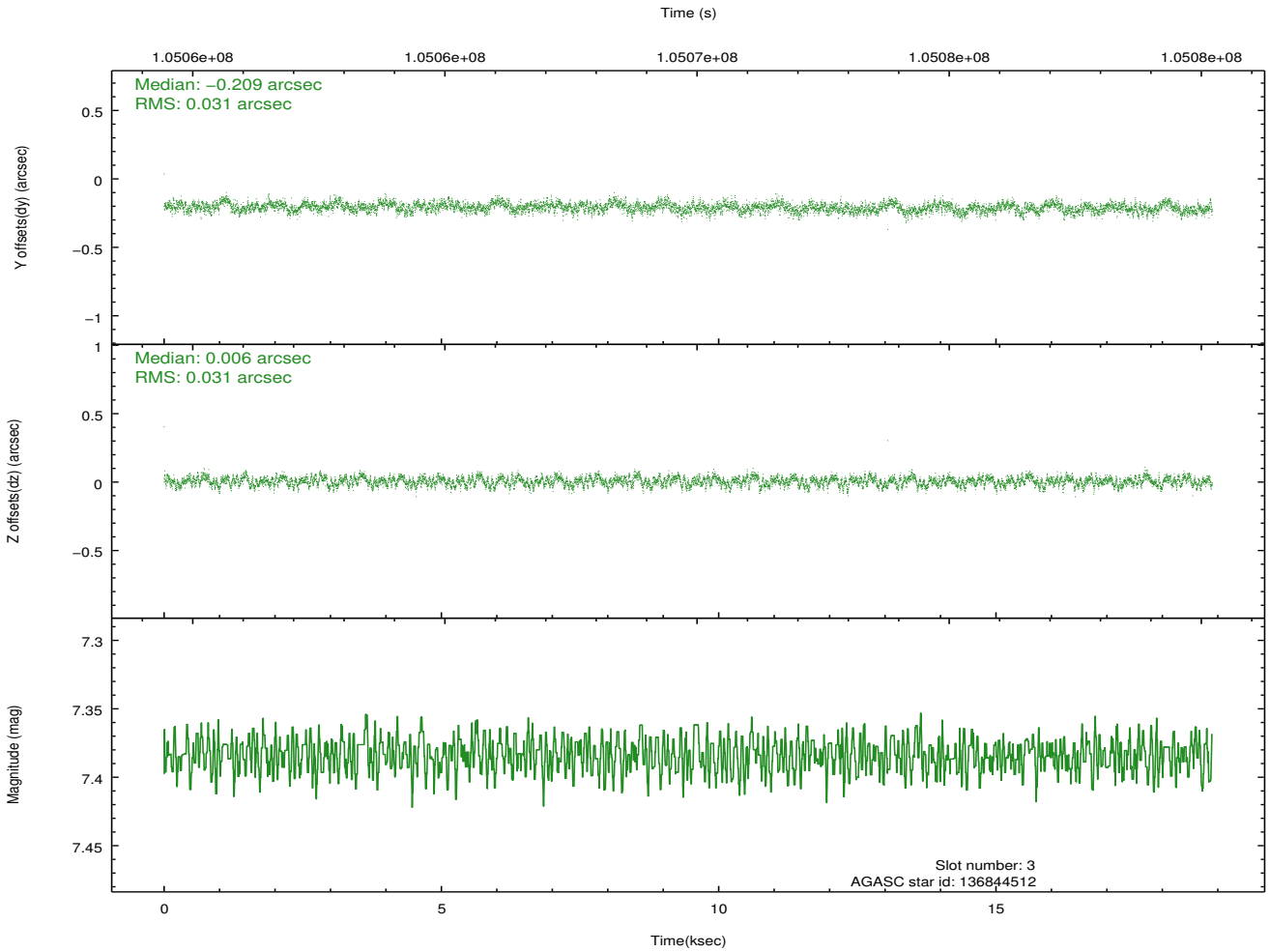
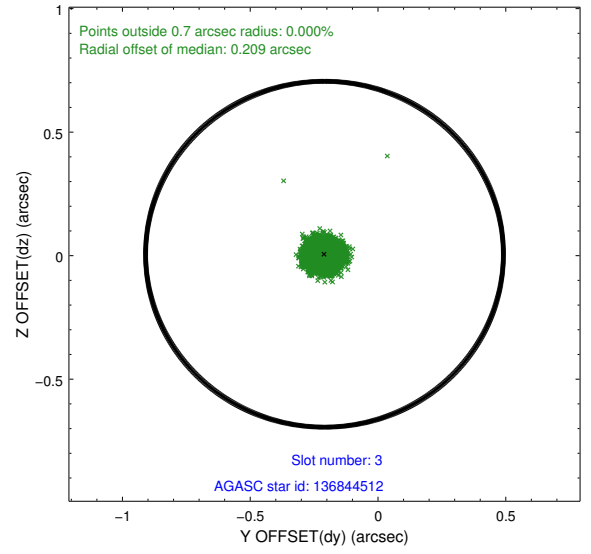
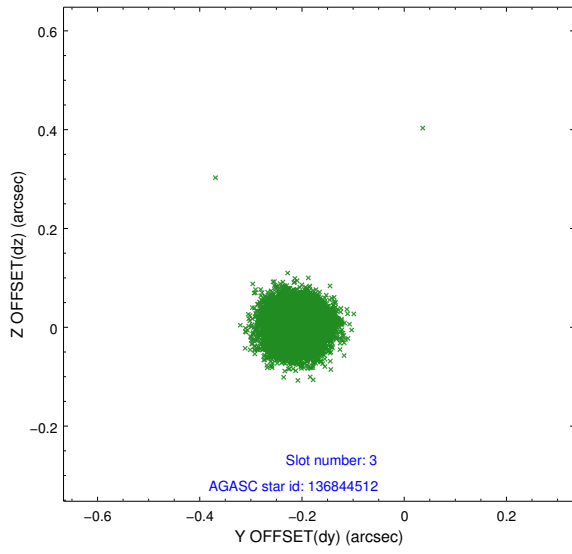


Slot Statistics

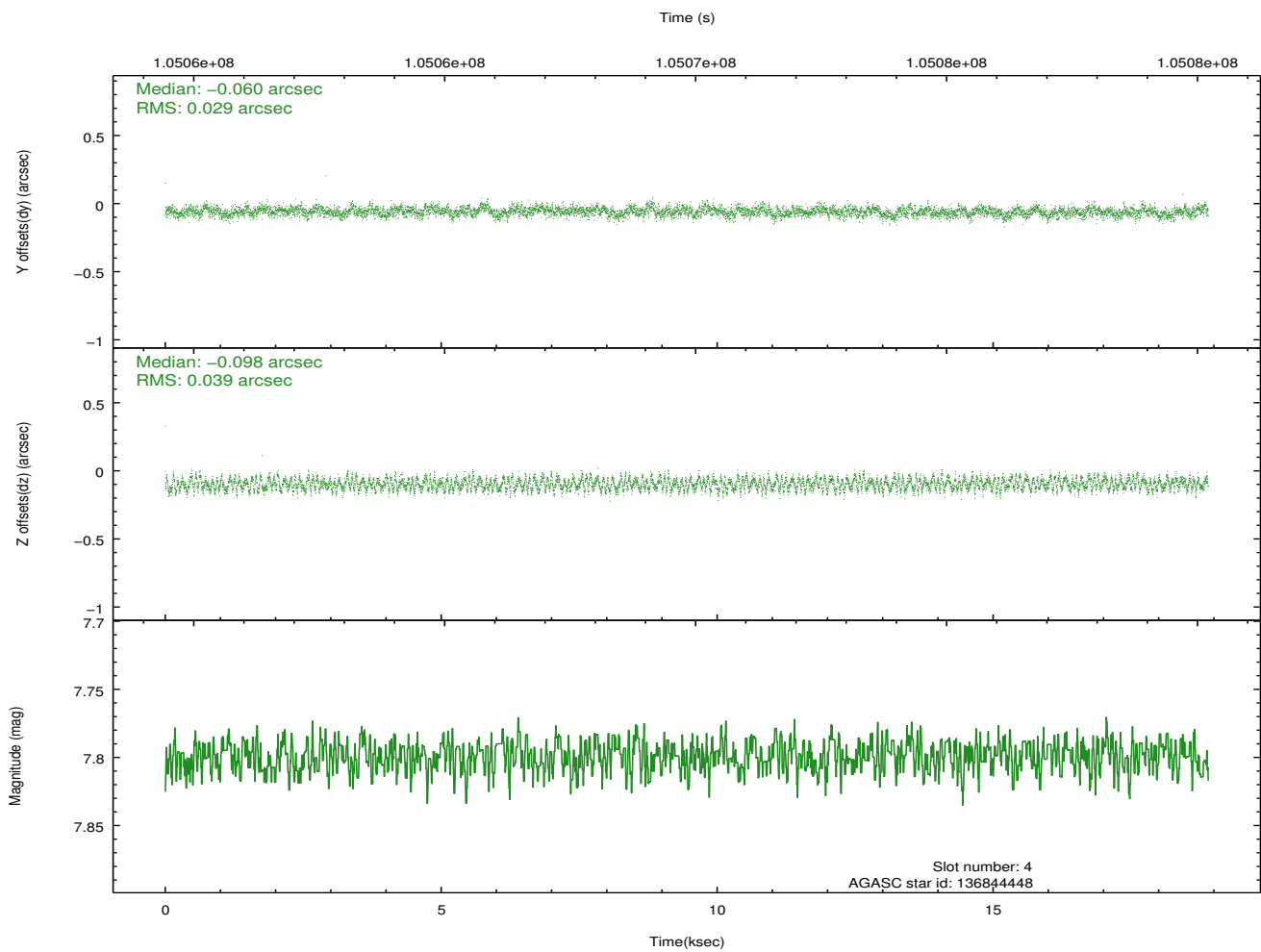
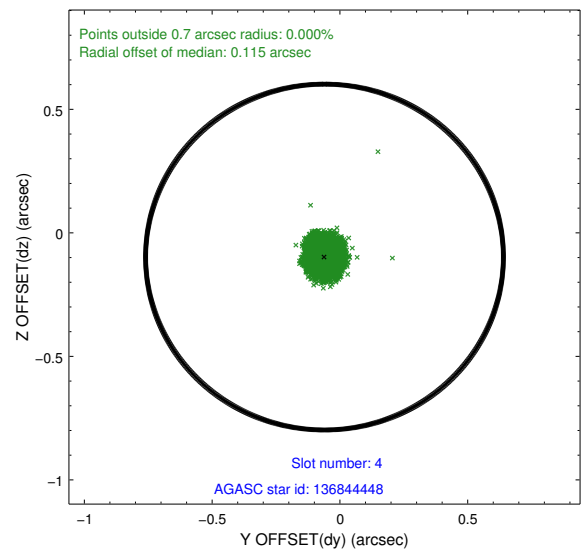
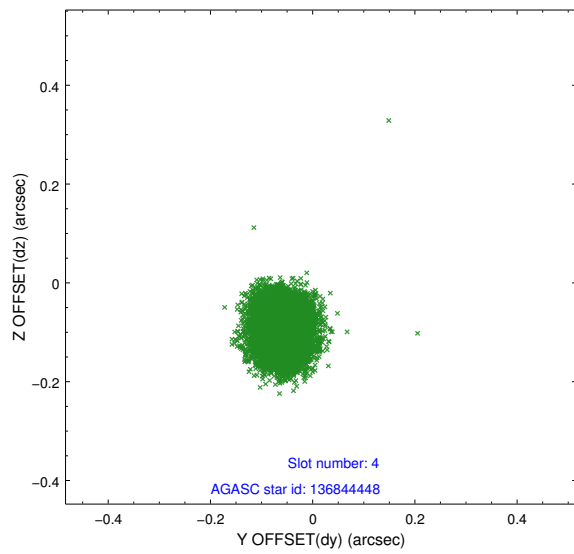
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	4610	-0.034	0.003	0.014	0.022	0.000000	0.000000	-755.26	-1727.12
1	FID	ACIS-S-4	7.20	4609	-0.033	0.016	0.018	0.026	0.000000	0.000000	2157.87	181.22
2	FID	ACIS-S-5	7.23	4609	0.037	-0.010	0.012	0.019	0.000000	0.000000	-1807.81	175.01
3	GUIDE	136844512	7.38	9218	-0.209	0.006	0.047	0.074	286.436543	9.770401	2008.13	776.55
4	GUIDE	136844448	7.80	9219	-0.060	-0.098	0.052	0.081	286.569231	9.582775	1215.71	554.11
5	GUIDE	136315920	8.22	9216	0.058	-0.094	0.051	0.083	286.430663	9.097145	-273.19	1594.22
6	GUIDE	136316696	7.91	9220	0.117	0.138	0.052	0.084	287.190166	9.367792	-238.78	-1274.46
7	GUIDE	136316048	8.25	9217	0.094	0.049	0.053	0.087	286.616424	9.034888	-702.23	1044.29

2.4 Star Slots

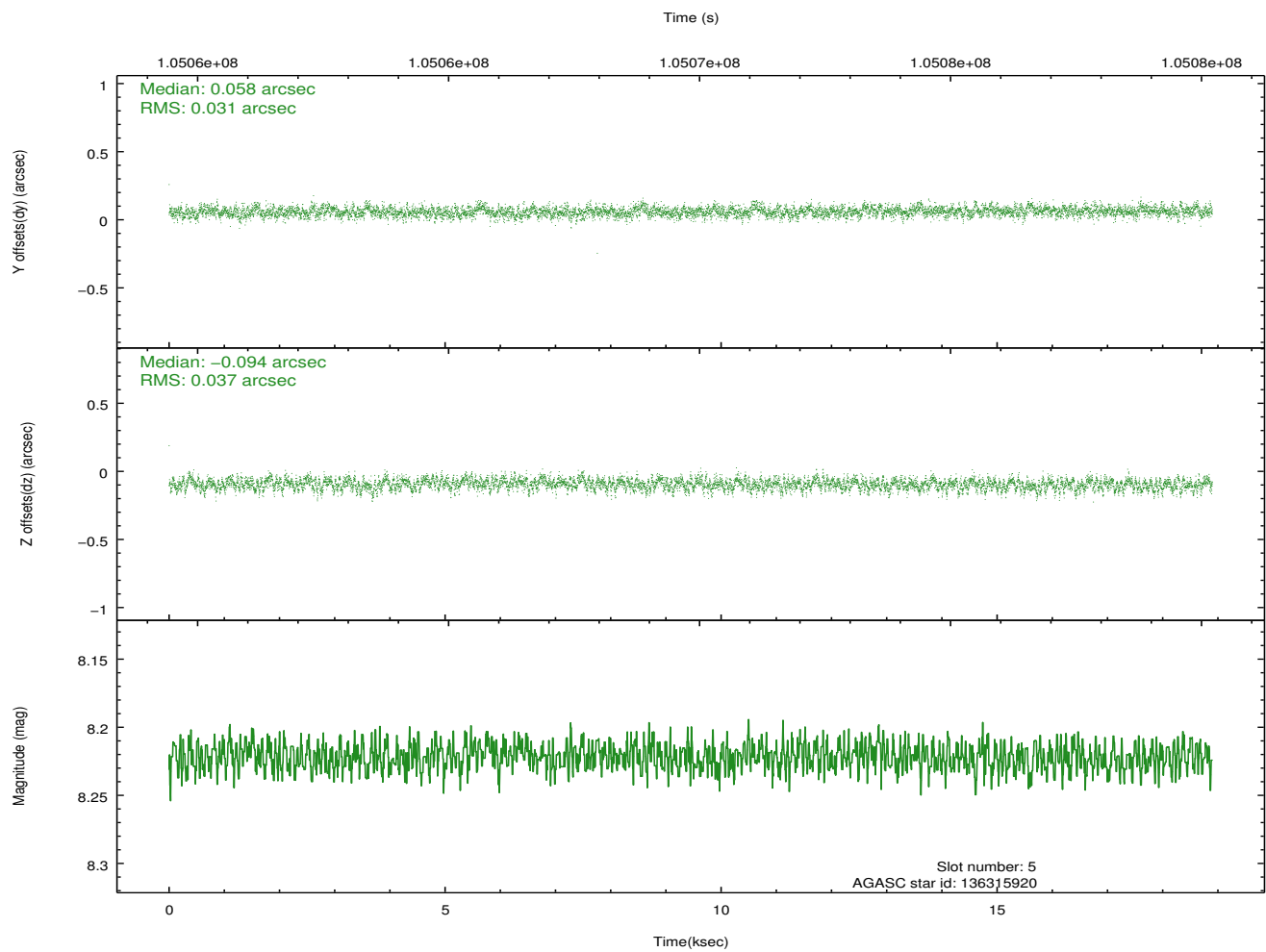
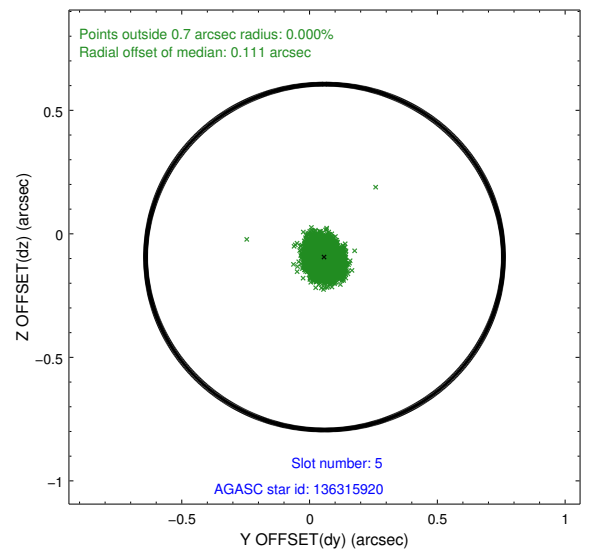
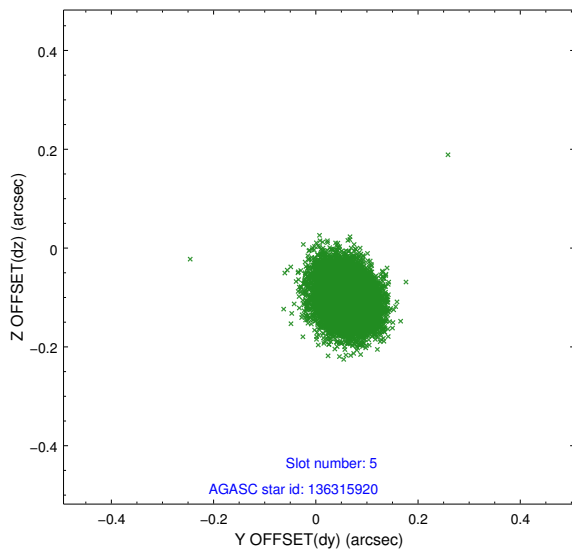
2.4.1 Slot 3



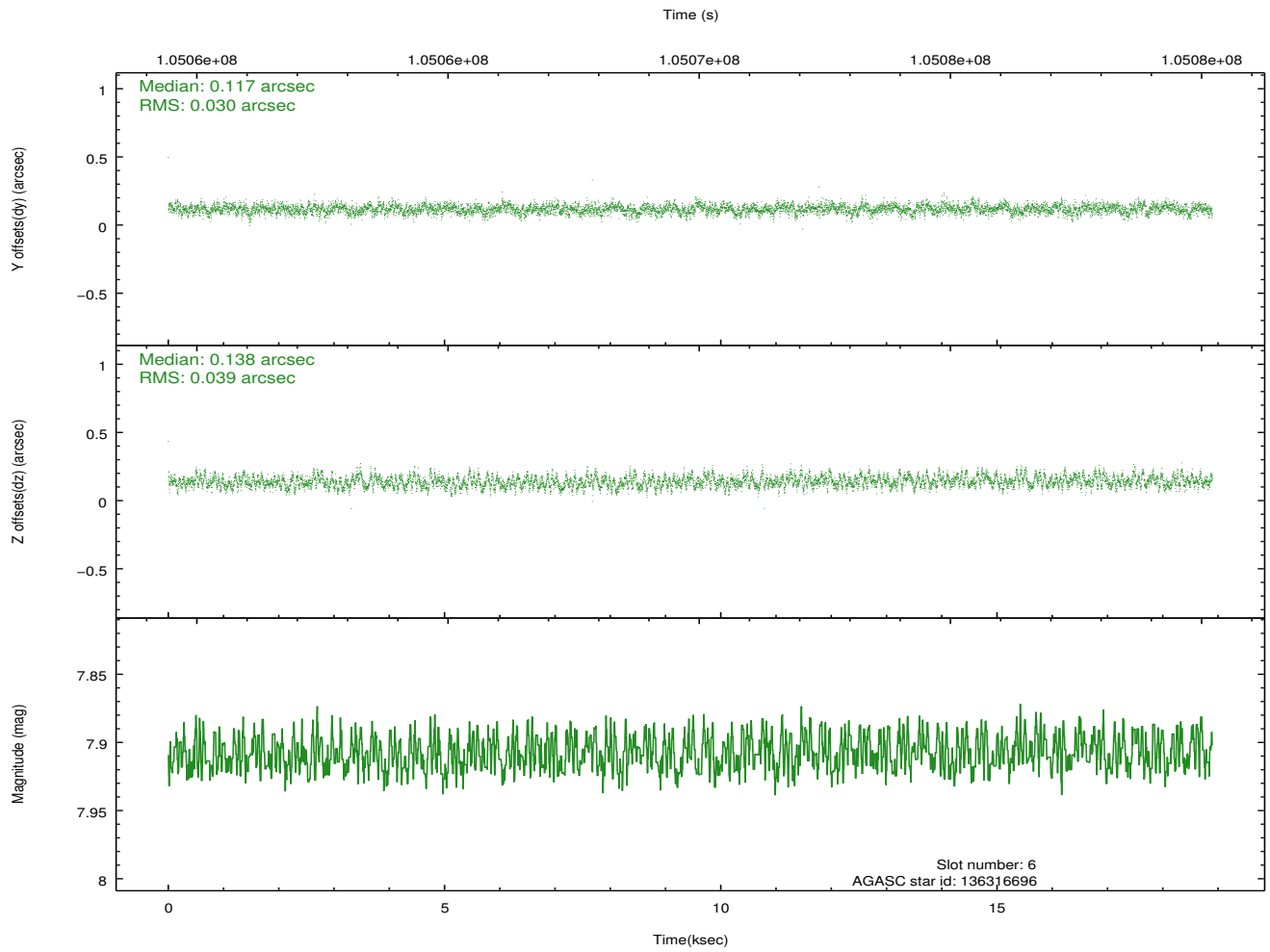
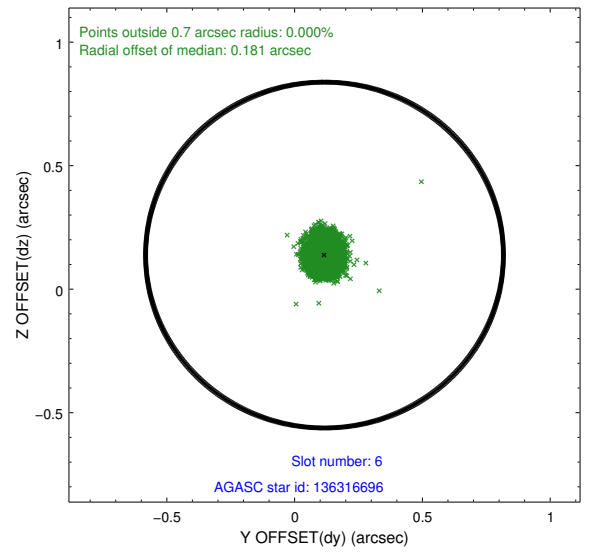
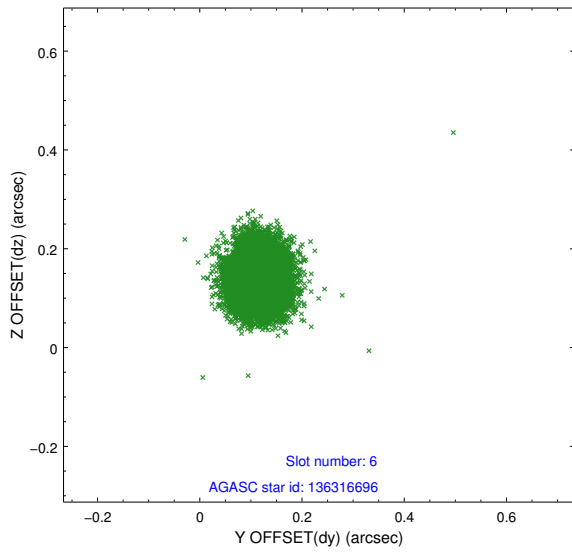
2.4.2 Slot 4



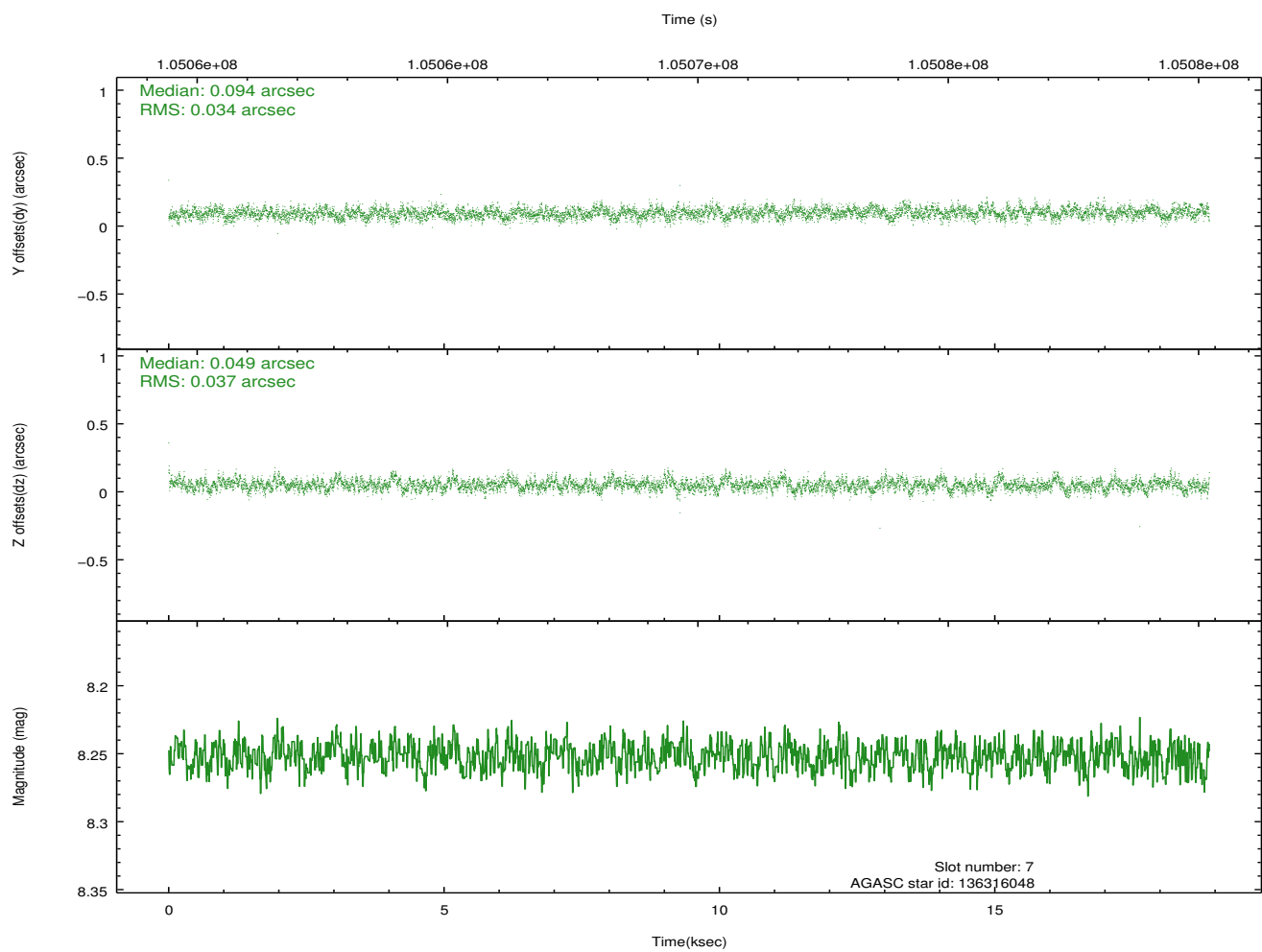
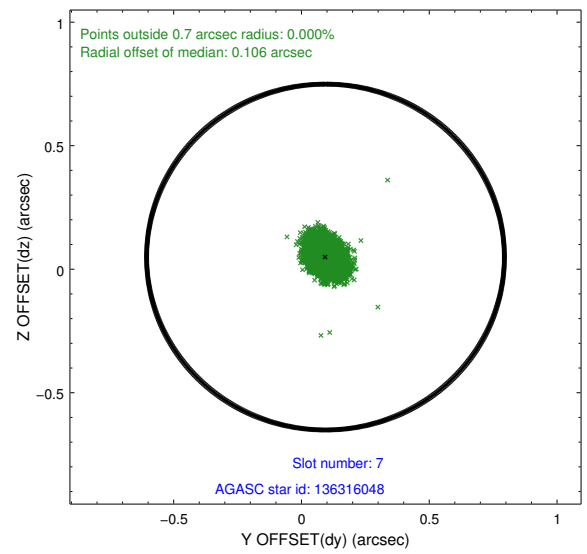
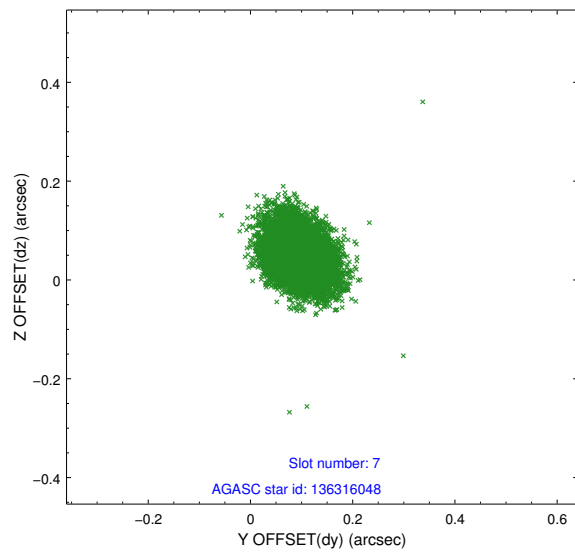
2.4.3 Slot 5



2.4.4 Slot 6

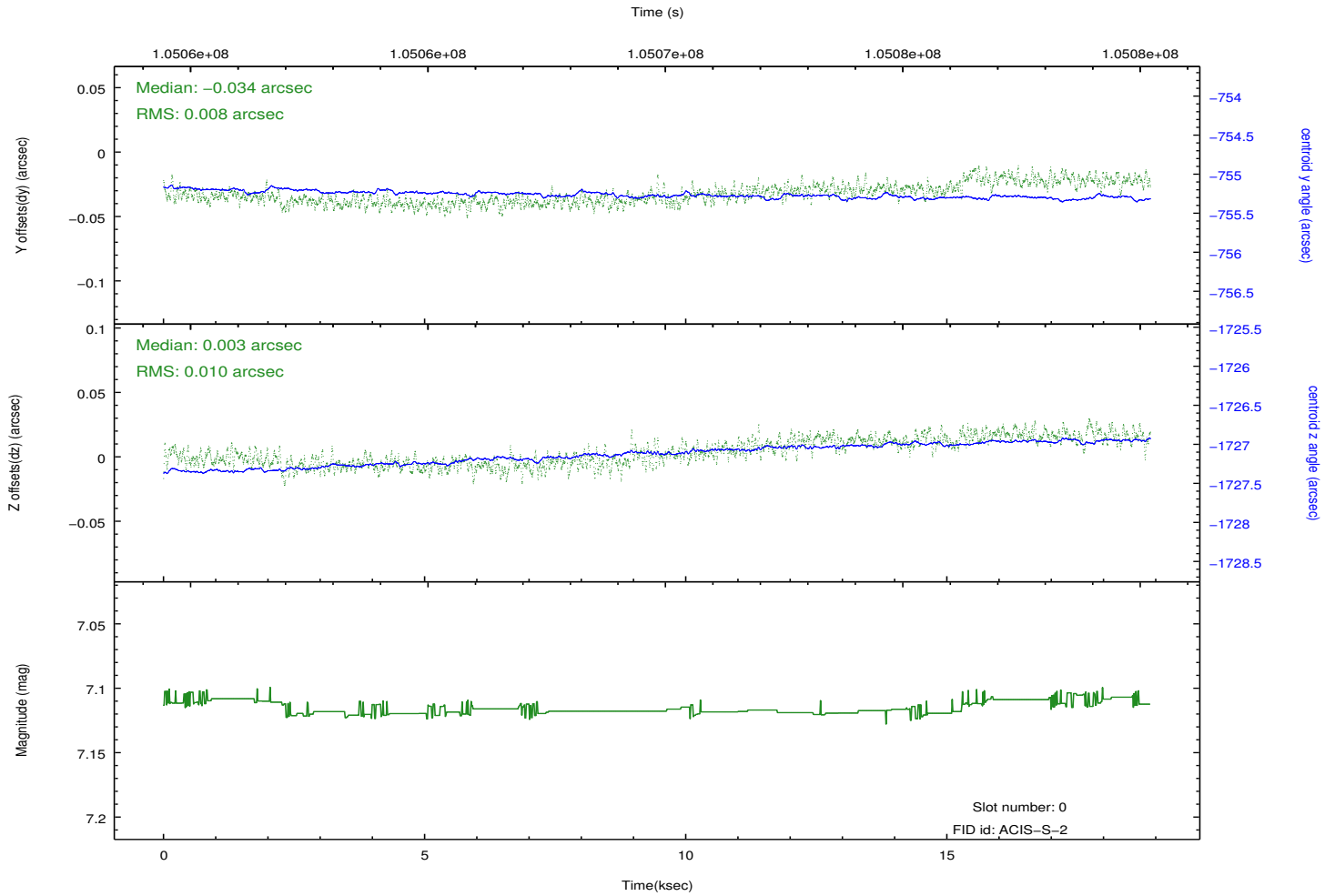
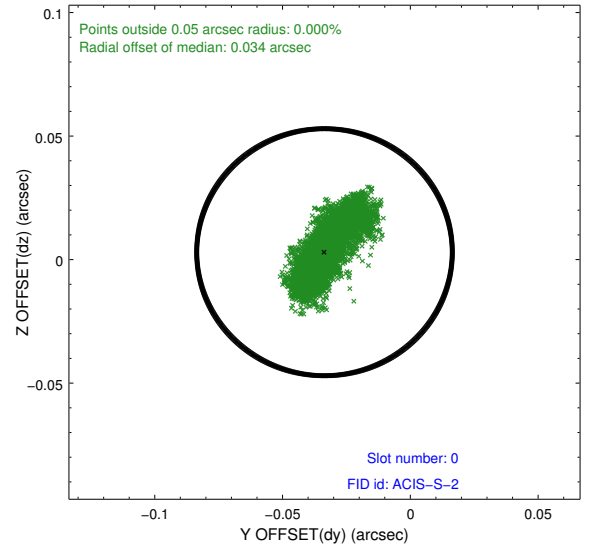
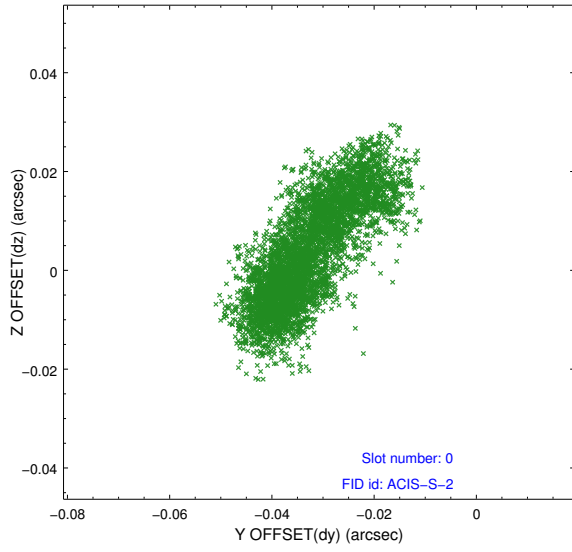


2.4.5 Slot 7

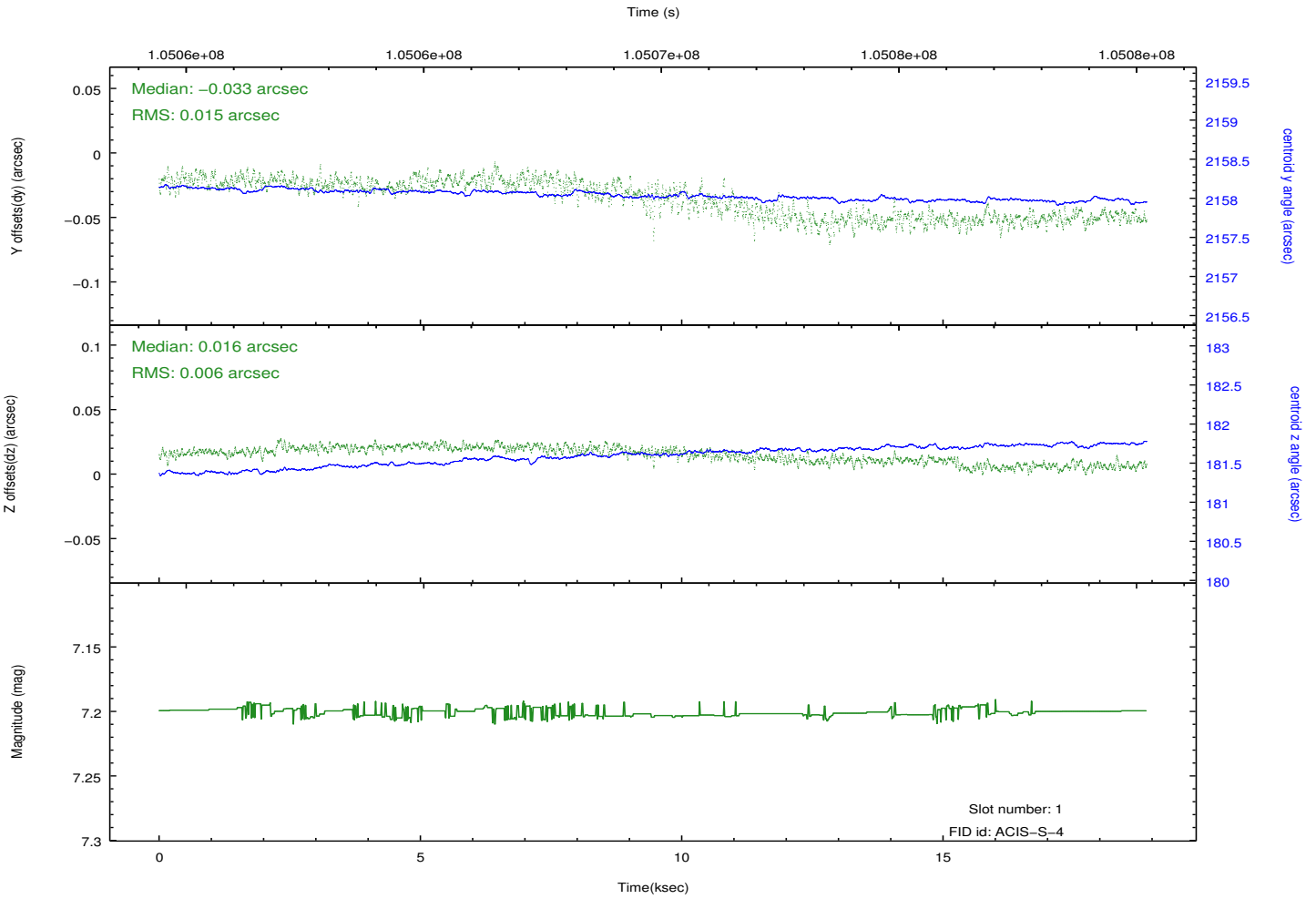
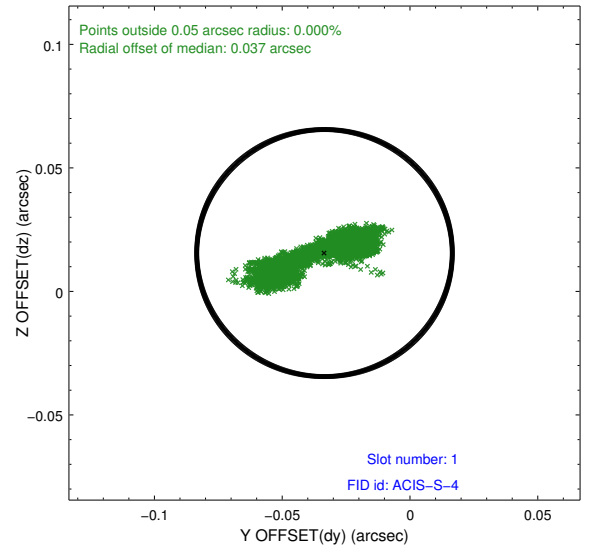
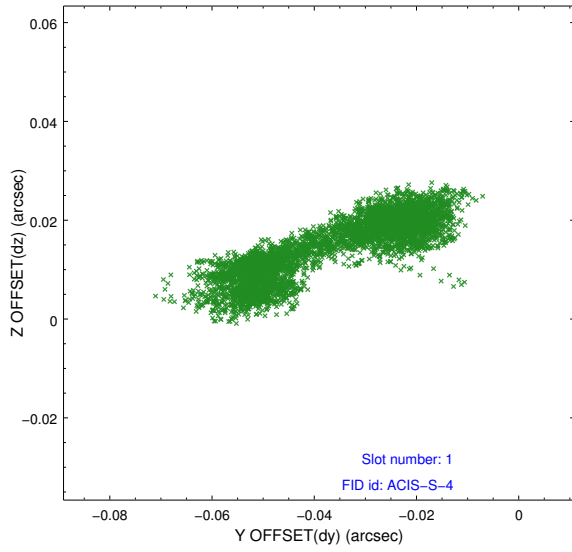


2.5 FID Slots

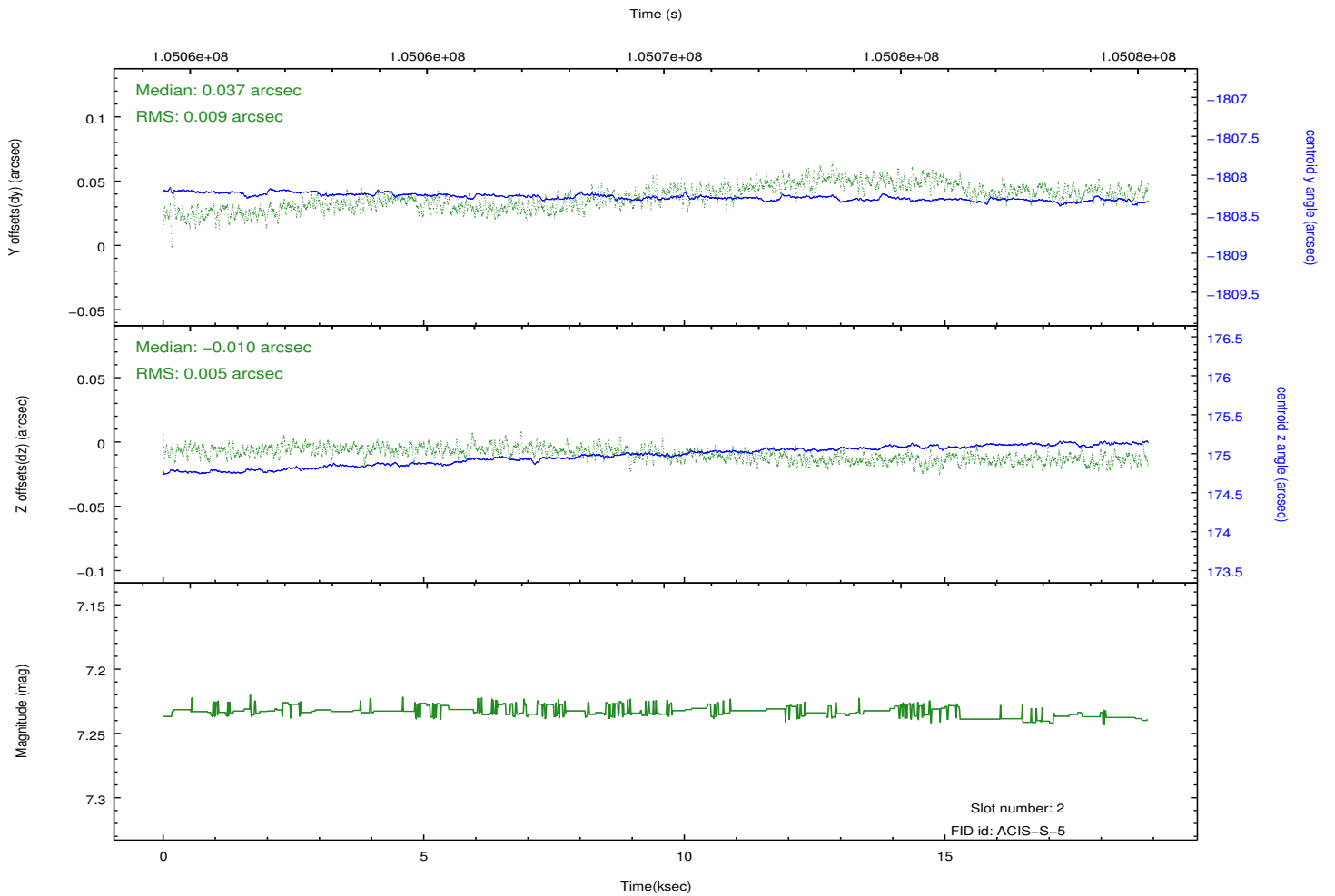
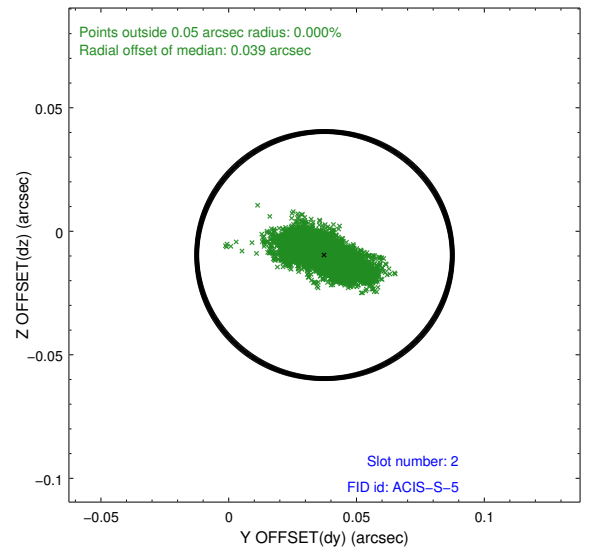
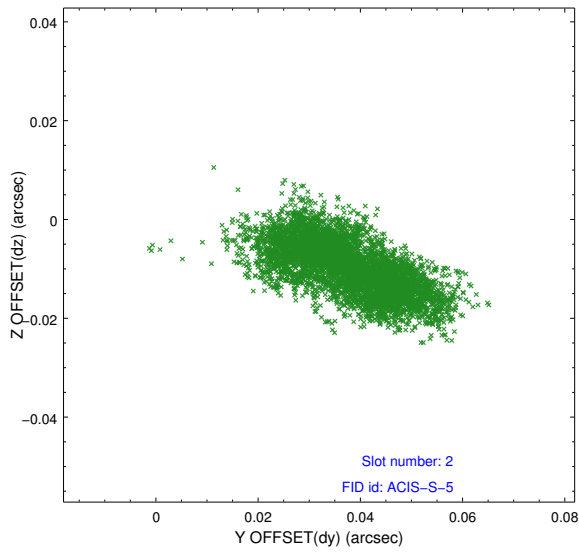
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.896

A.2 Comments