

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2759 - L2 Version 3
Chandra X-Ray Center

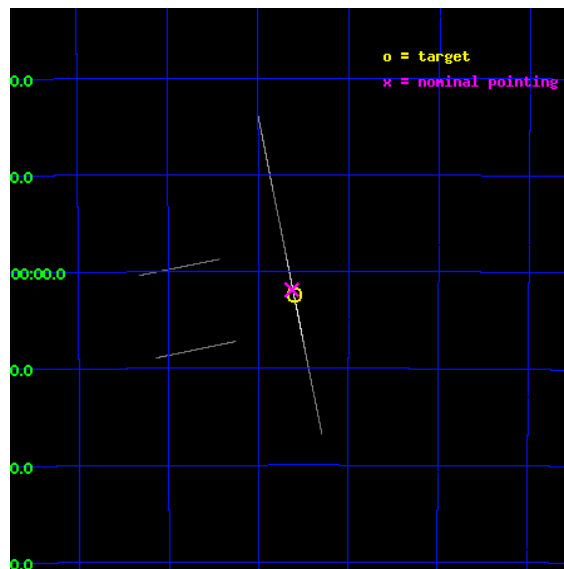
L2 Processing Date : Oct 3 2012

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1 Front

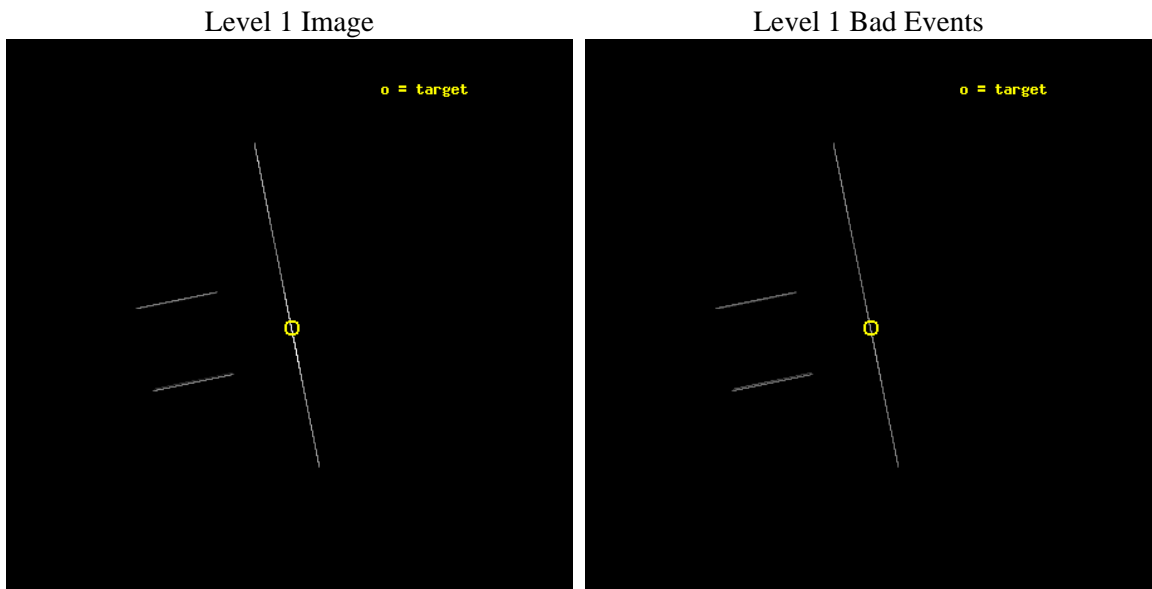
seq_num	500209	Sequence number
obs_id	2759	Observation id
title	ACIS OBSERVATIONS OF THE CENTRAL OBJECT IN RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.40679015546	Nominal RA [deg]
dec_nom	-51.031753559755	Nominal Dec [deg]
roll_nom	78.499352122263	Nominal Roll [deg]
revision	3	Processing version of data
ontime	48832.291514456	Sum of GTIs [s]
livetime	48641.540375728	Livetime [s]
ontime2	48830.83242017	Sum of GTIs [s]
ontime3	48833.75	Sum of GTIs [s]
ontime5	48833.75	Sum of GTIs [s]
ontime6	48833.75	Sum of GTIs [s]
ontime7	48832.291514456	Sum of GTIs [s]
ontime8	48833.75	Sum of GTIs [s]
l2events	3206604	Number of level 2 events



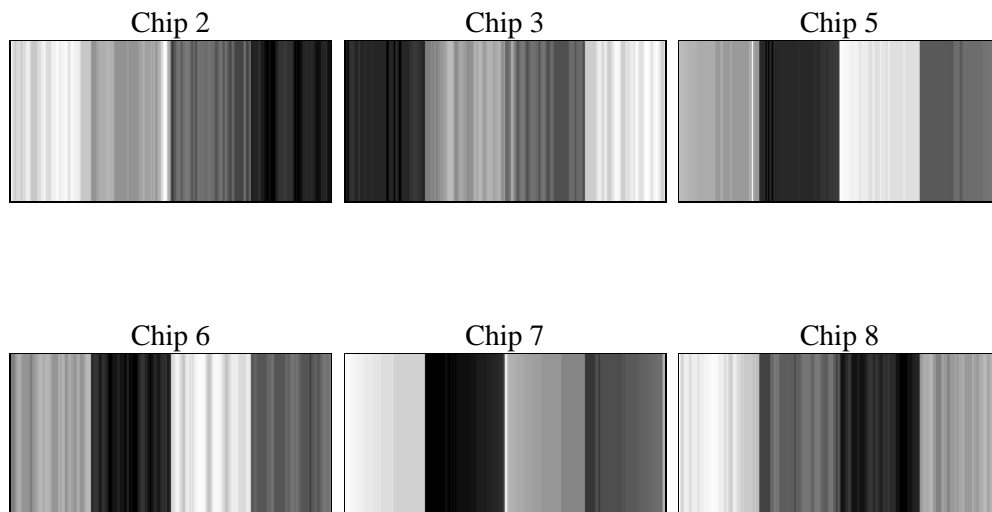
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	48500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	48832.291514456	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	48830.83242017	Sum of GTIs [s]
date	2012-10-03T03:57:17	Date and time of file creation	ontime3	48833.75	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	48833.75	Sum of GTIs [s]
			ontime6	48833.75	Sum of GTIs [s]
			ontime7	48832.291514456	Sum of GTIs [s]
			ontime8	48833.75	Sum of GTIs [s]
			l1events	3600717	Number of level 1 events

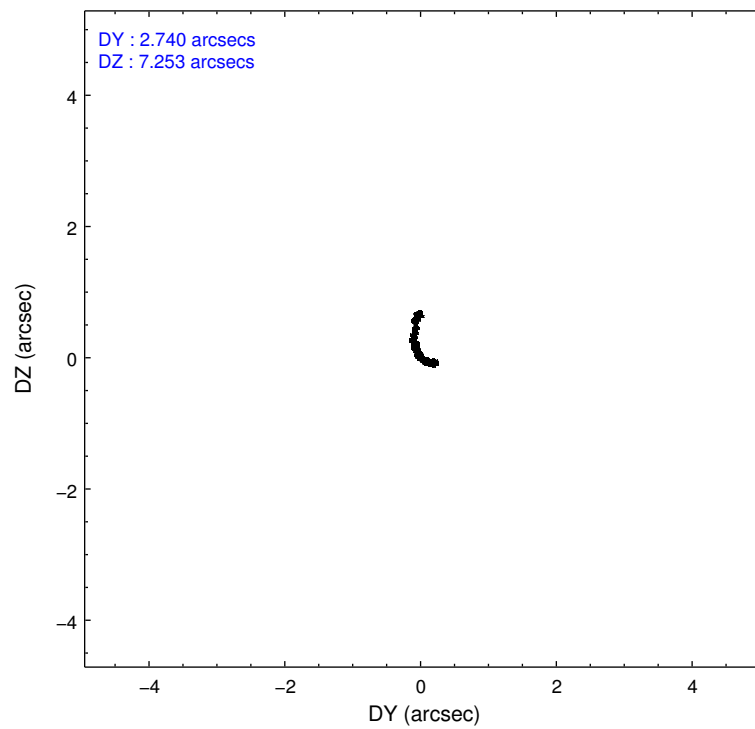
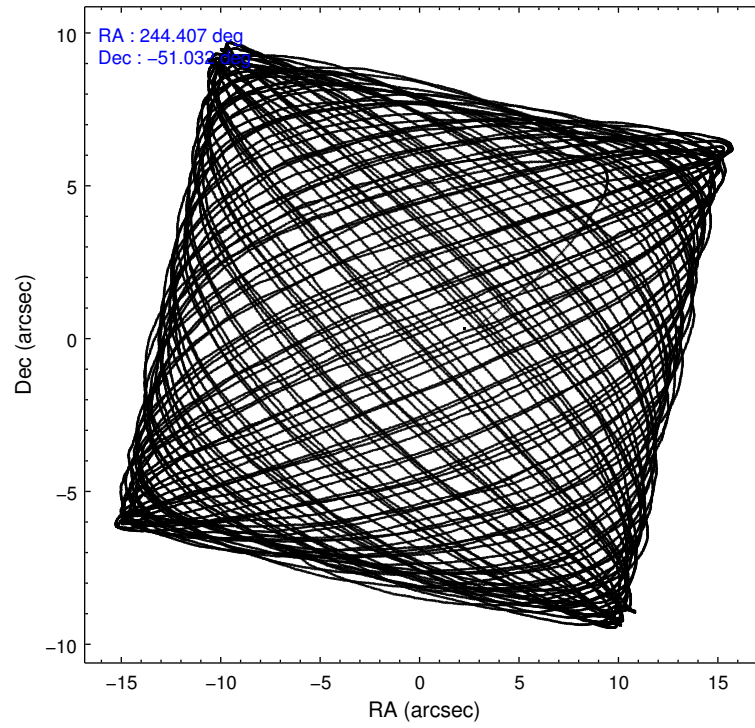
2.1.4 Events

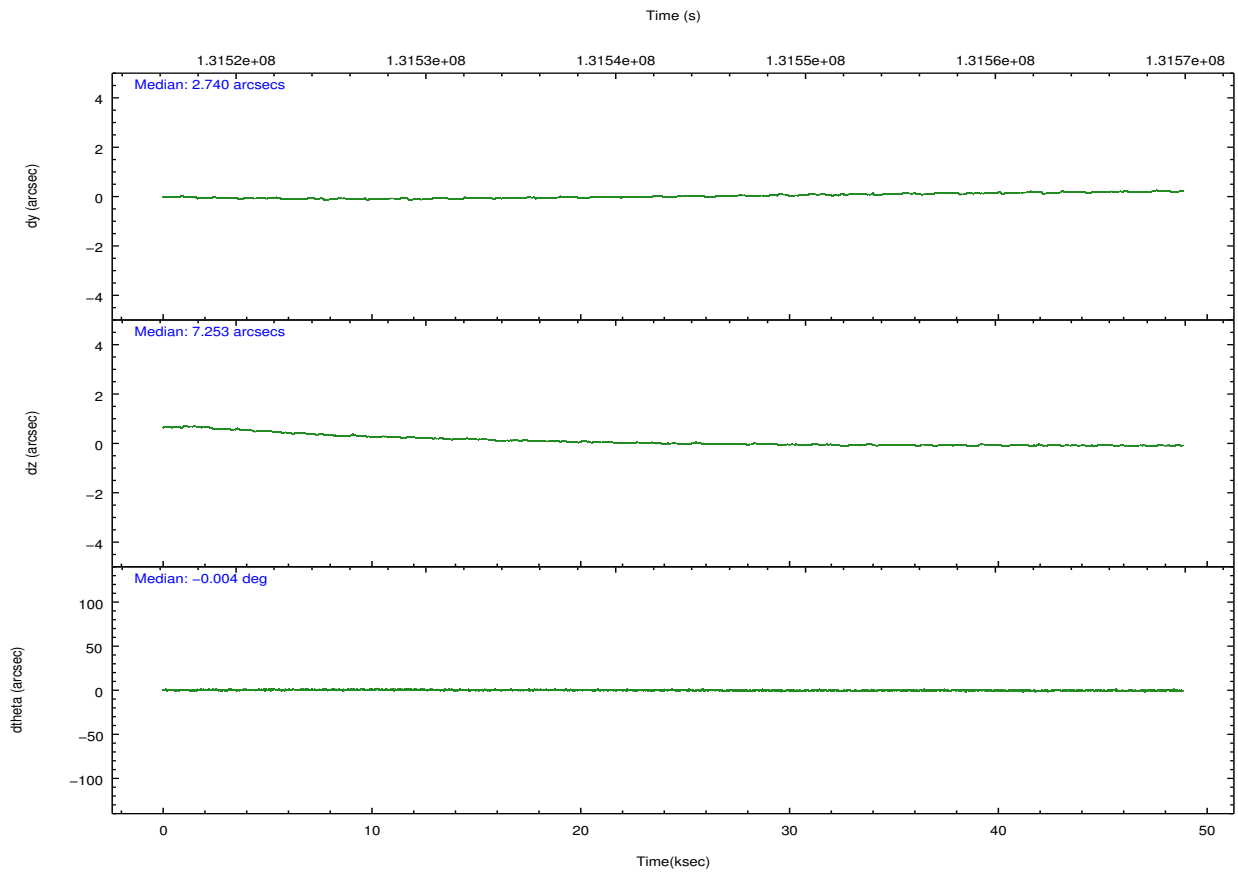
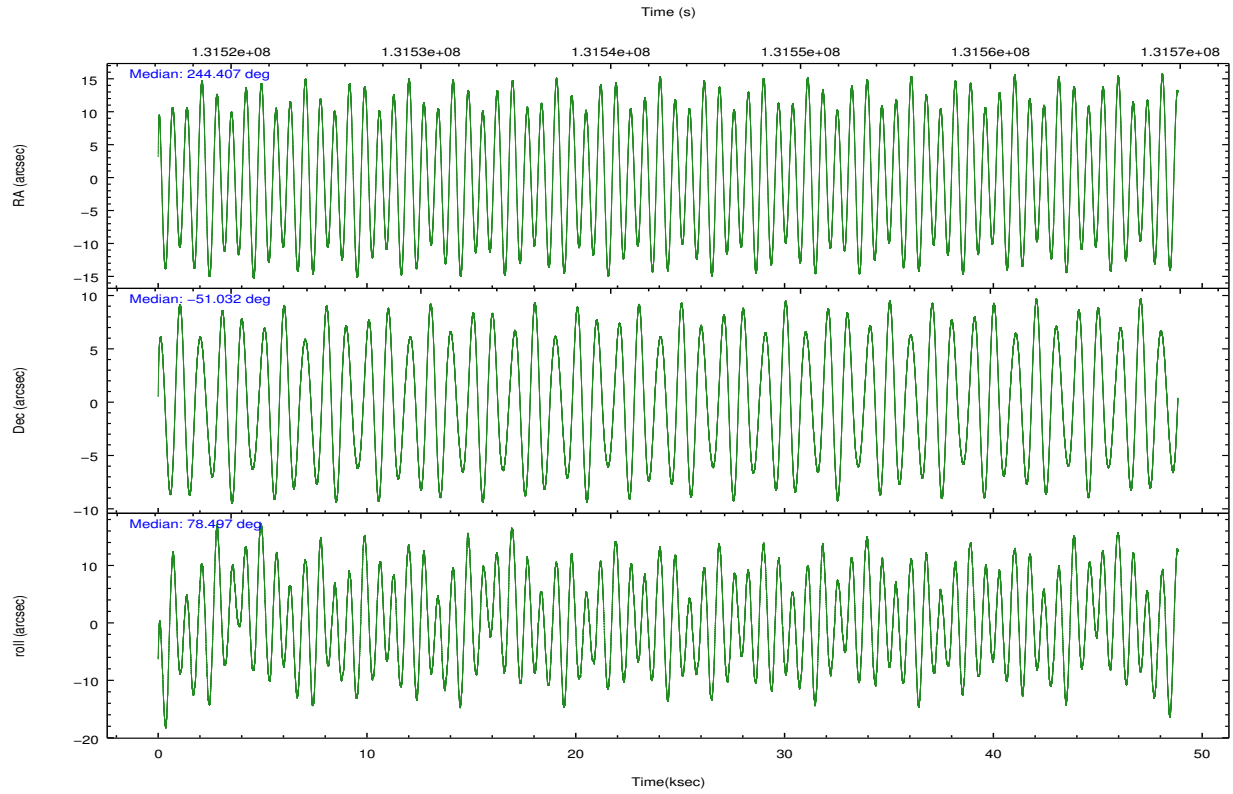
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	70298	78299	318134	226204	2760848	146934	grade 0 events	8513	9127	73343	29715	825608	26827
rejected events	12124	13475	33842	14964	63391	20037		12%	11%	23%	13%	29%	18%
rejected %	17%	17%	10%	6%	2%	13%	grade 1 events	234	233	458	257	1319	444
								0%	0%	0%	0%	0%	0%
							grade 2 events	24022	28331	78131	148154	766318	43427
								34%	36%	24%	65%	27%	29%
							grade 3 events	7525	9132	7325	8163	307879	14140
								10%	11%	2%	3%	11%	9%
							grade 4 events	7693	7575	7081	8025	305120	13786
								10%	9%	2%	3%	11%	9%
							grade 5 events	11055	11587	29445	13356	51502	17530
								15%	14%	9%	5%	1%	11%
							grade 6 events	11256	12314	122351	18534	503102	30780
								16%	15%	38%	8%	18%	20%
							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	244.421052	244.4067901554585	Subarray requested	NONE	NONE
[deg] Pointing Dec	-51.057486	-51.0317535597511	Alternating exposures requested	N	N
[deg] Pointing Roll	78.353825	78.49935212226298	[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)	131518940.184000	131517892.58746			
Observation start date	2002-03-03T05:01:16	2002-03-03T04:44:52			
[s] Observation end time (MET)	131567440.184000	131568191.38949			
Observation end date	2002-03-03T18:29:36	2002-03-03T18:43:11			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



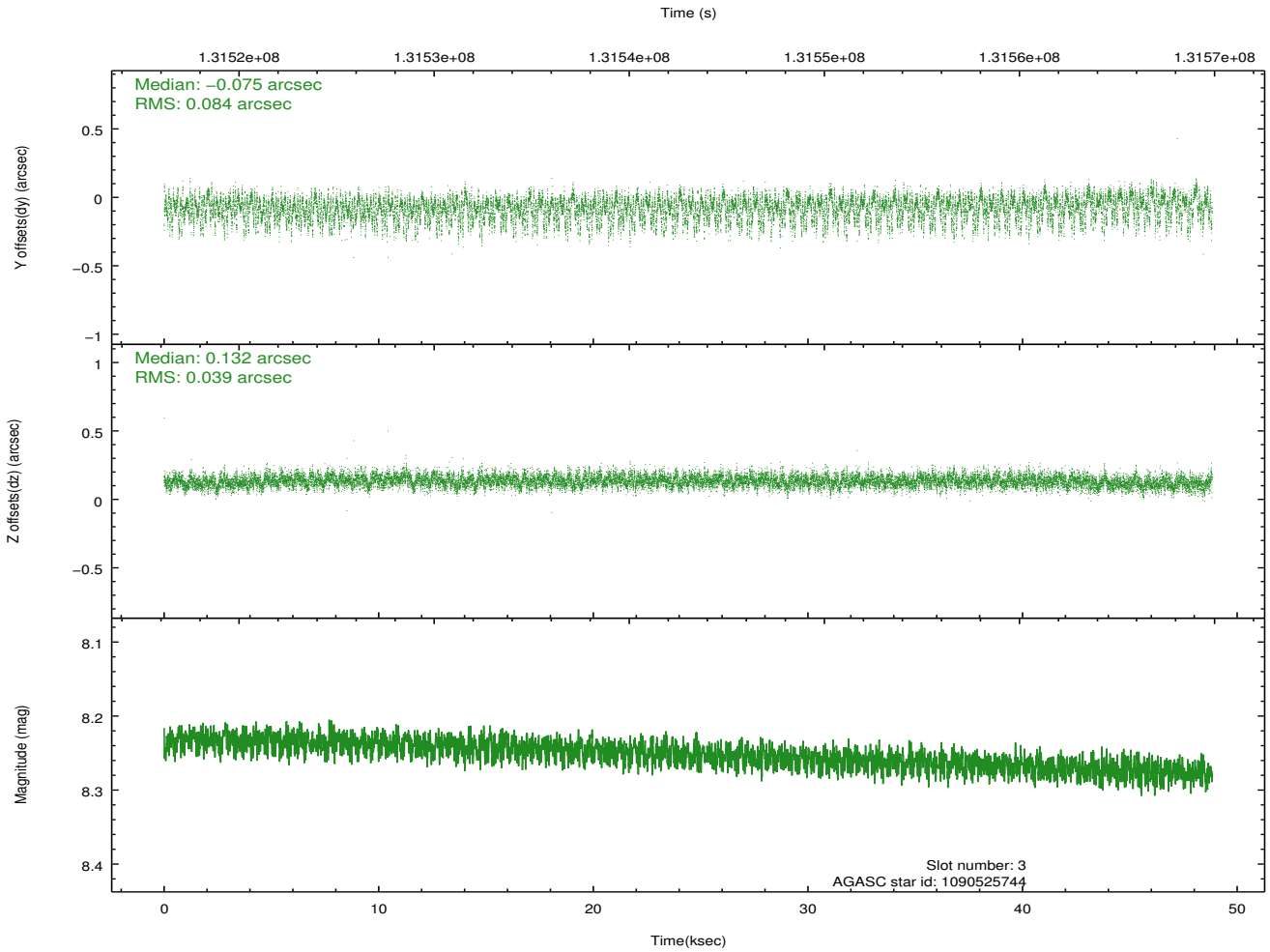
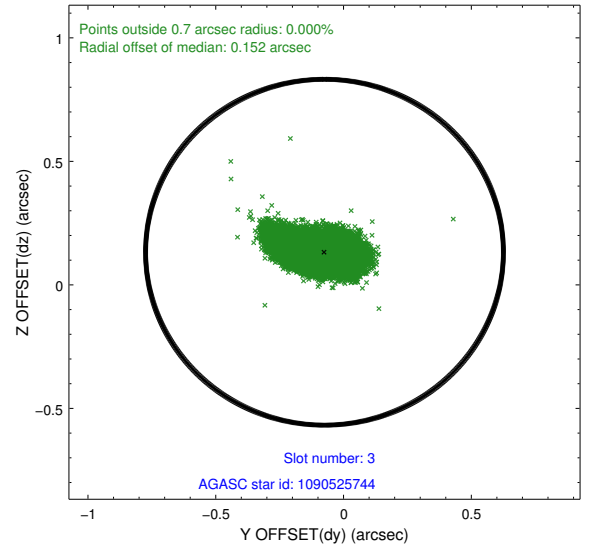
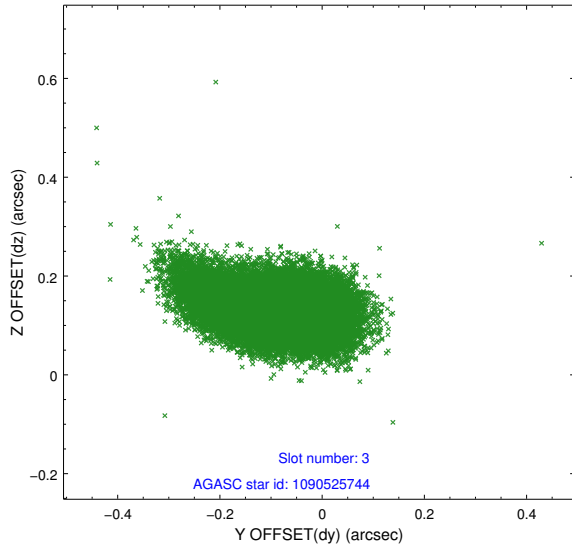


Slot Statistics

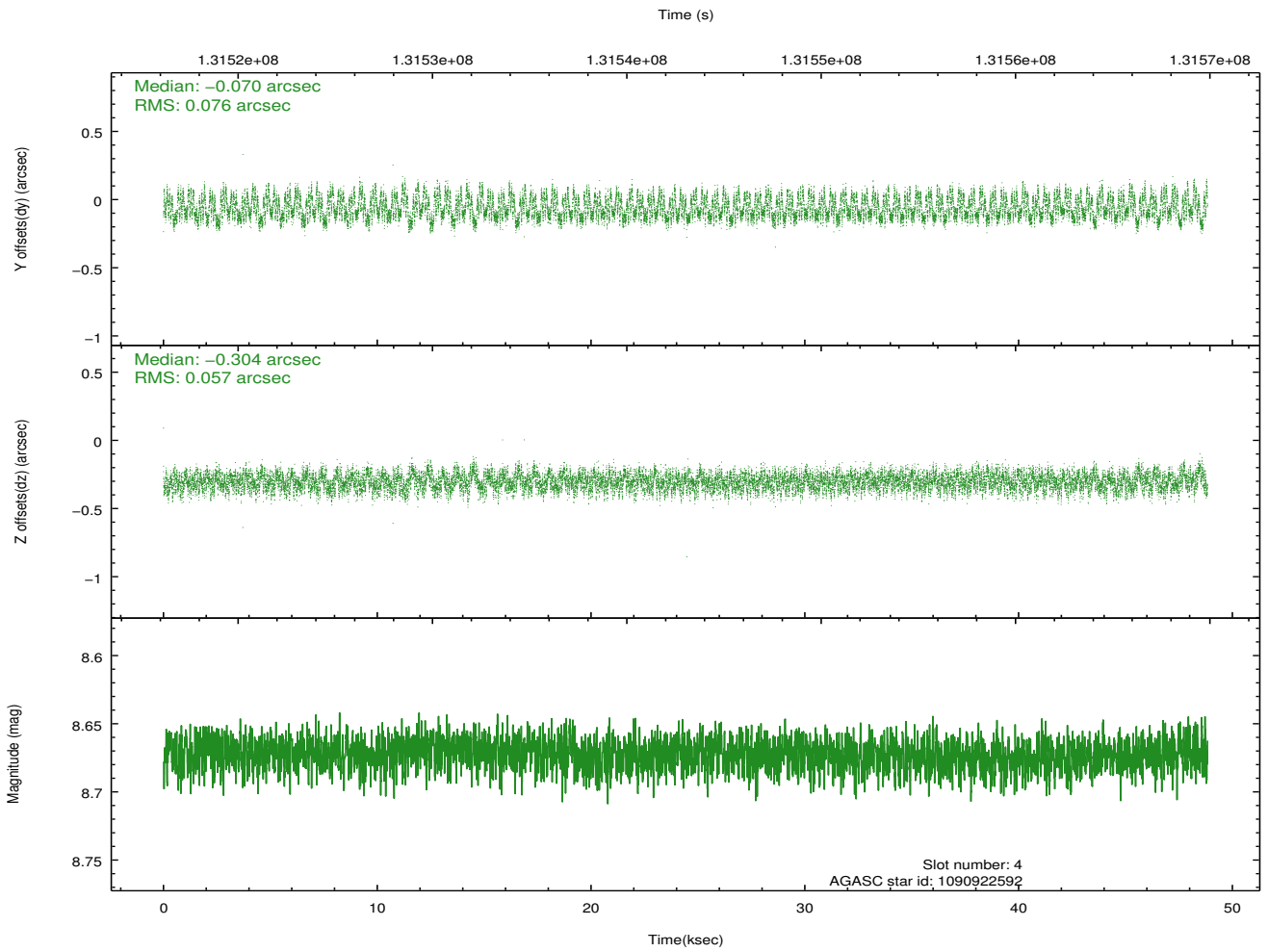
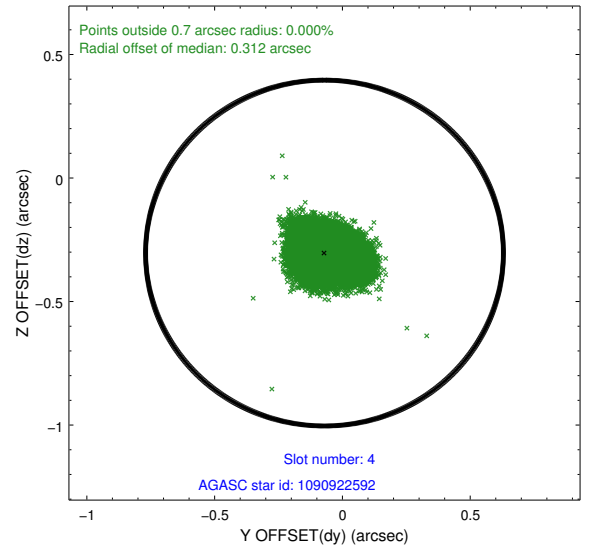
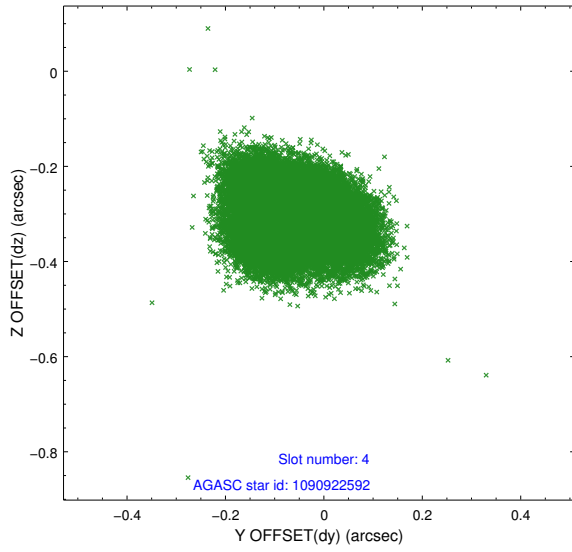
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	11912	0.033	-0.047	0.011	0.024	0.000000	0.000000	940.63	-1724.17
1	FID	ACIS-S-5	7.24	11912	-0.001	0.040	0.010	0.017	0.000000	0.000000	-1808.37	173.54
2	FID	ACIS-S-6	7.35	11910	-0.053	0.019	0.014	0.030	0.000000	0.000000	406.17	817.42
3	GUIDE	1090525744	8.25	23821	-0.075	0.132	0.094	0.171	245.649389	-50.543894	2355.15	-2383.95
4	GUIDE	1090922592	8.67	23822	-0.070	-0.304	0.103	0.156	243.541382	-50.784876	544.24	2155.57
5	GUIDE	1090397136	9.20	23811	-0.092	-0.177	0.081	0.130	243.971780	-50.589354	1439.99	1344.84
6	GUIDE	1091061384	9.33	23804	0.148	0.179	0.093	0.151	245.043918	-51.237076	-355.51	-1506.91
7	GUIDE	1091061088	9.40	23805	0.090	0.168	0.080	0.132	244.721043	-51.407800	-1100.58	-914.99

2.4 Star Slots

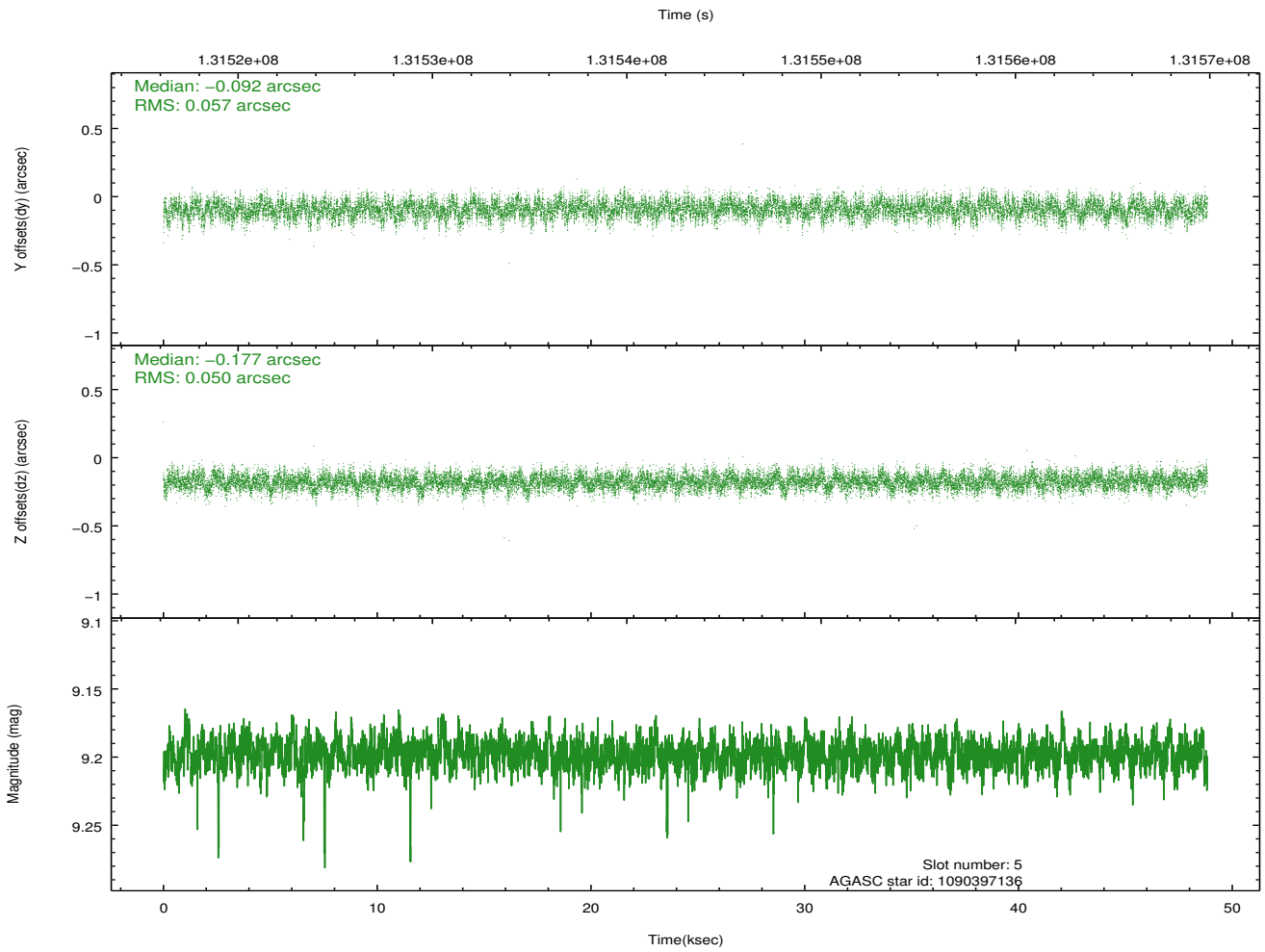
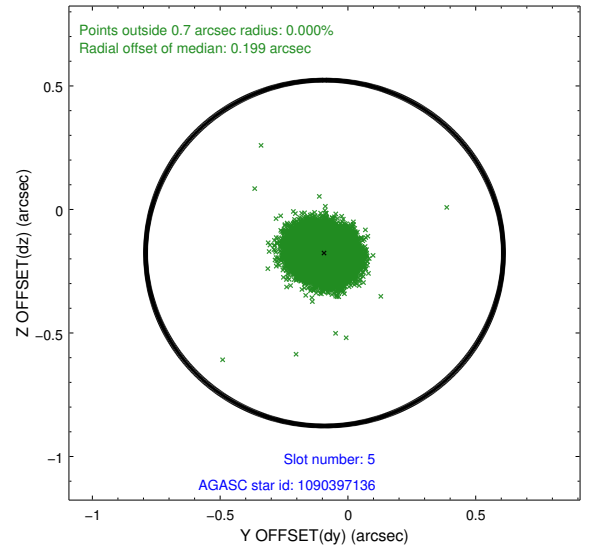
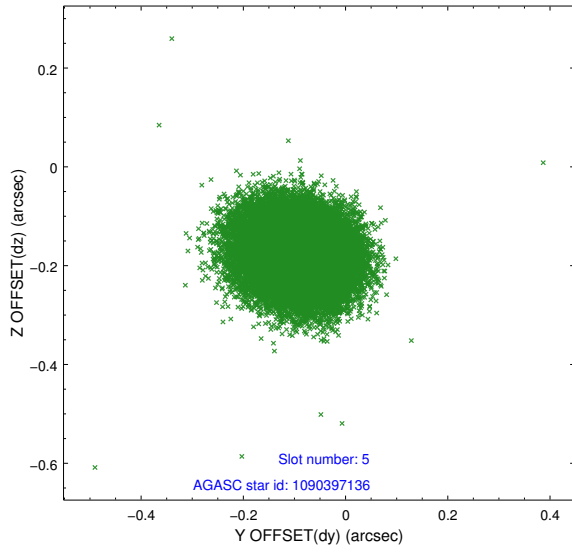
2.4.1 Slot 3



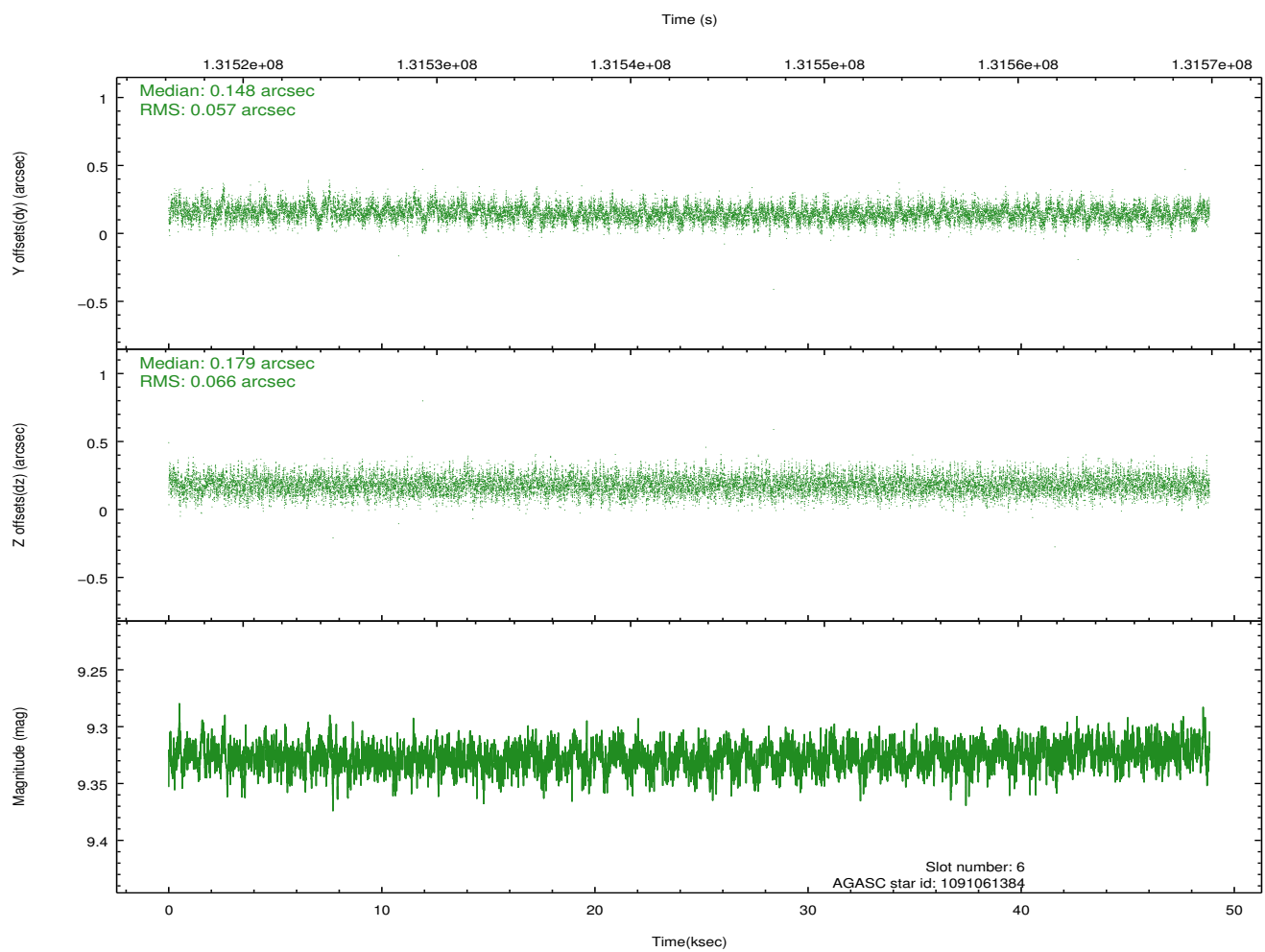
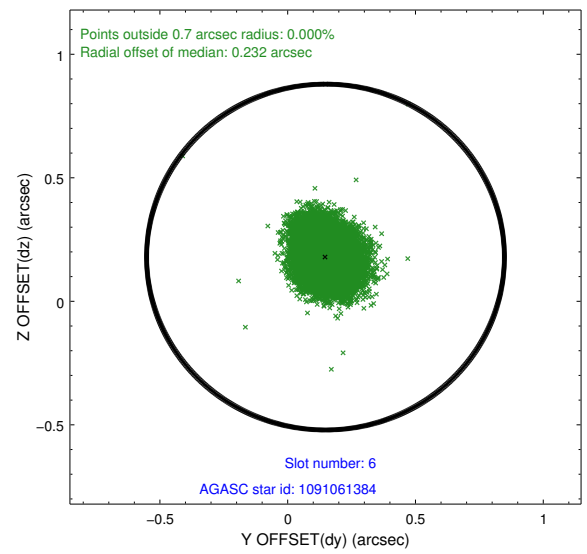
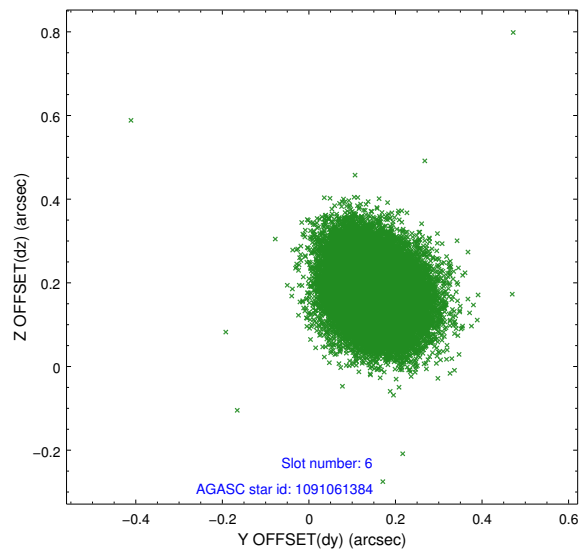
2.4.2 Slot 4



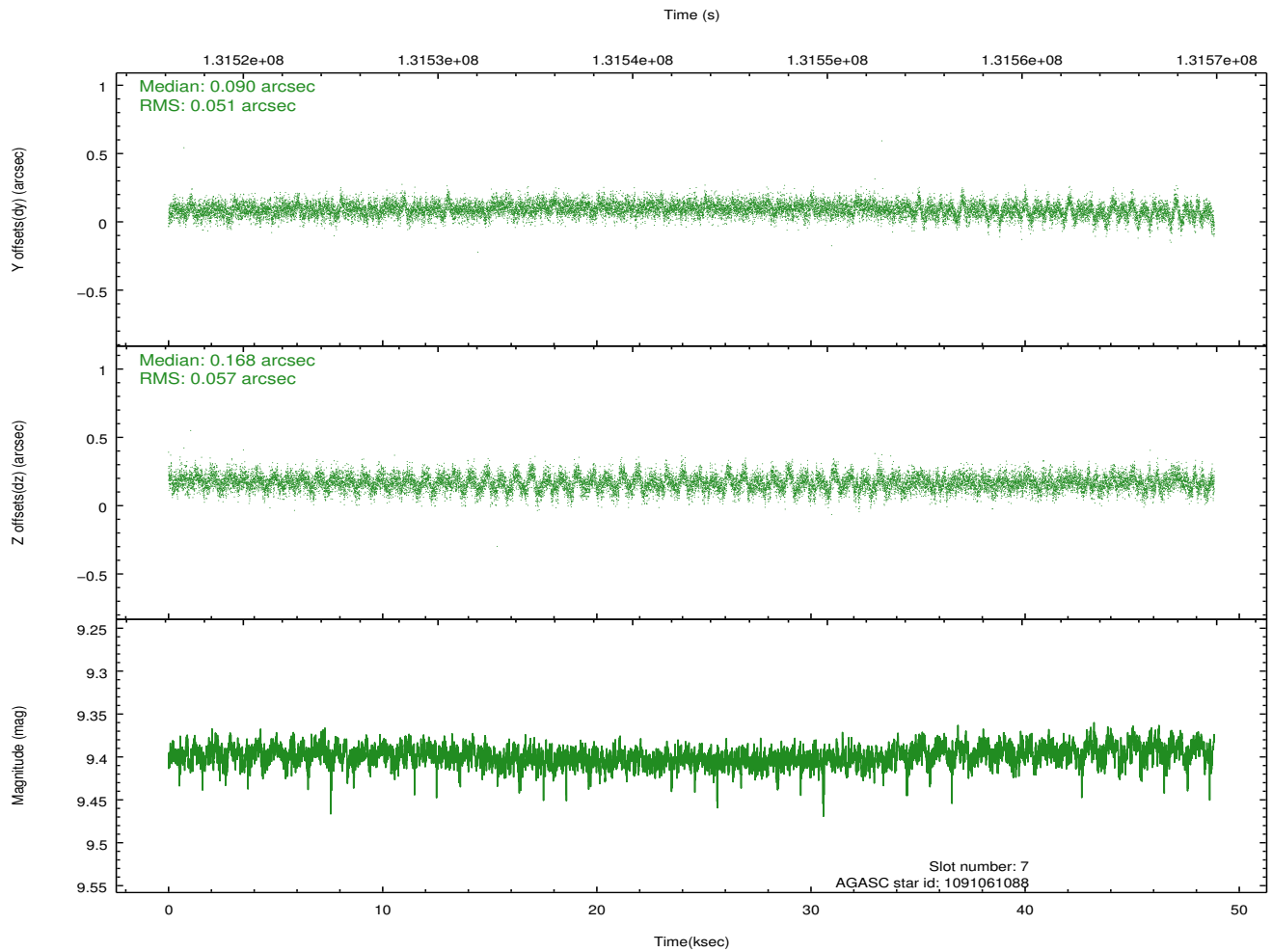
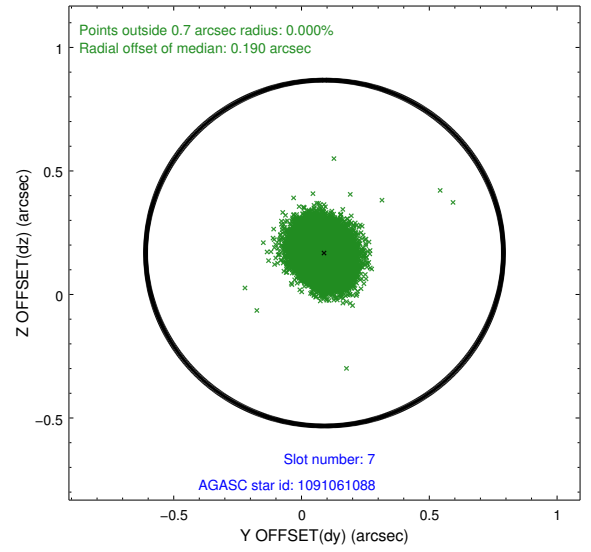
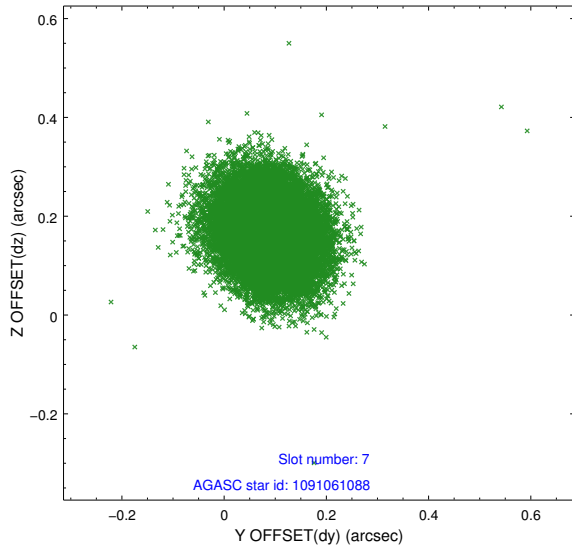
2.4.3 Slot 5



2.4.4 Slot 6

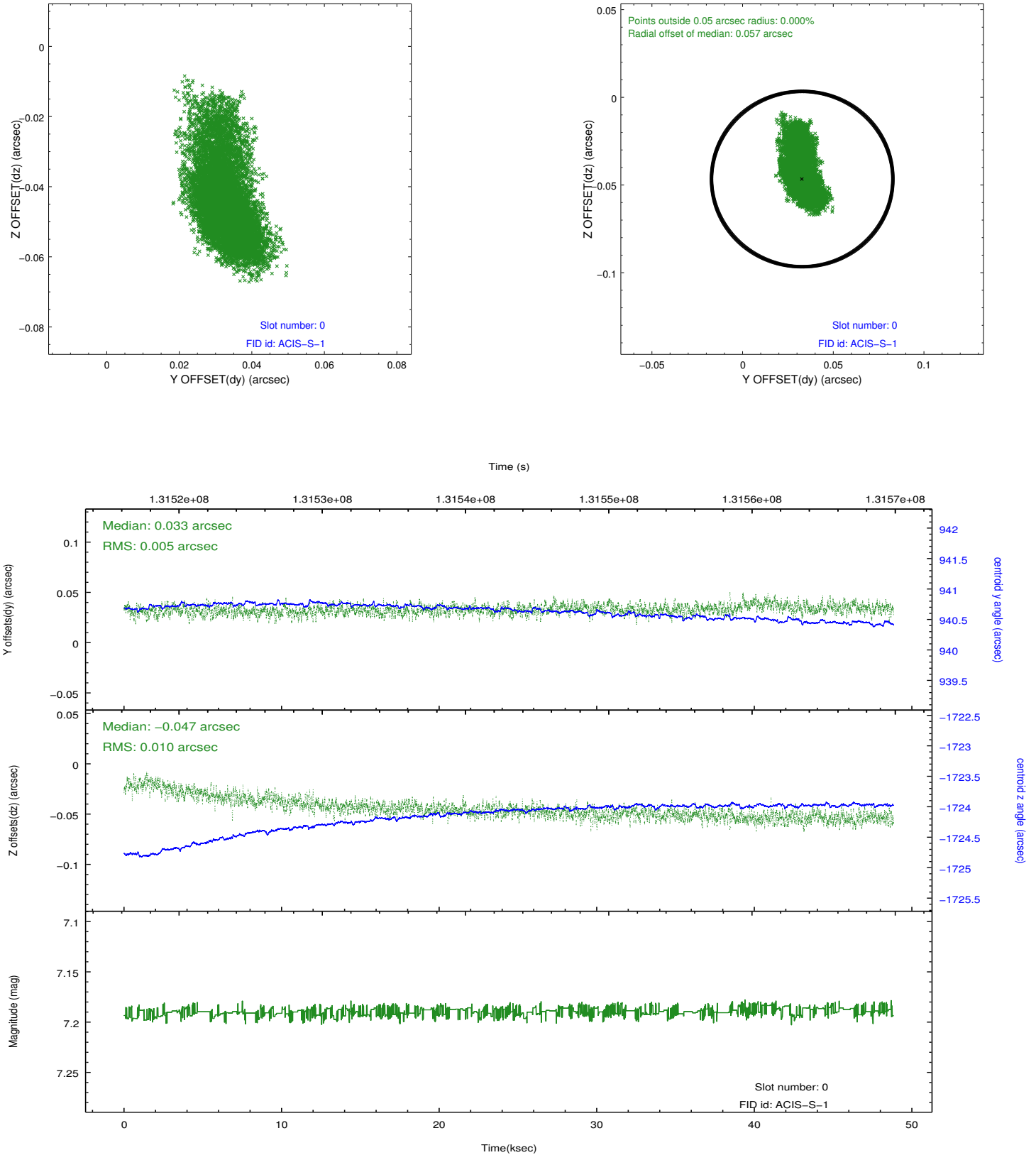


2.4.5 Slot 7

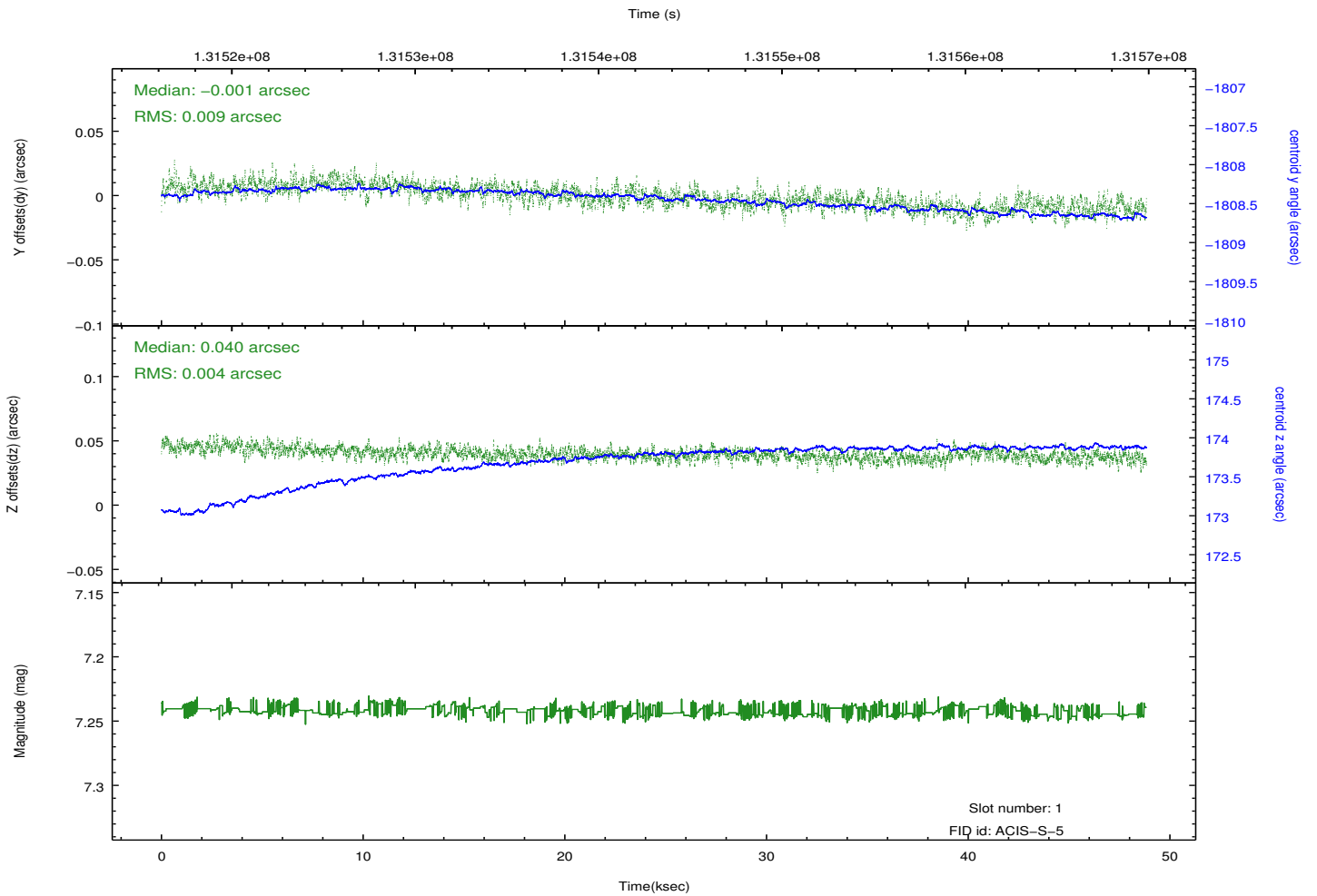
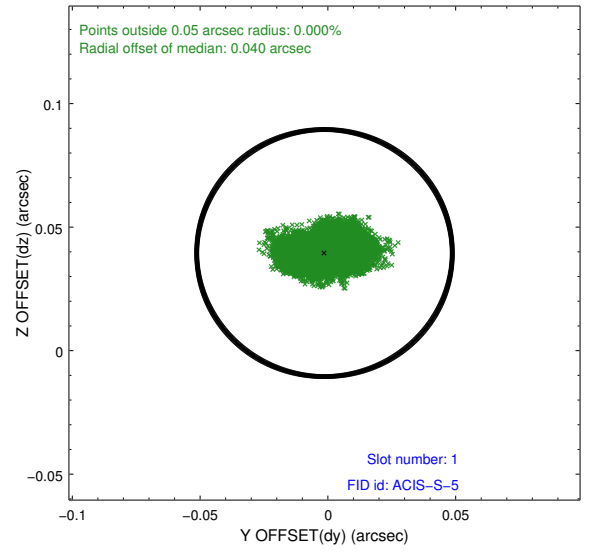
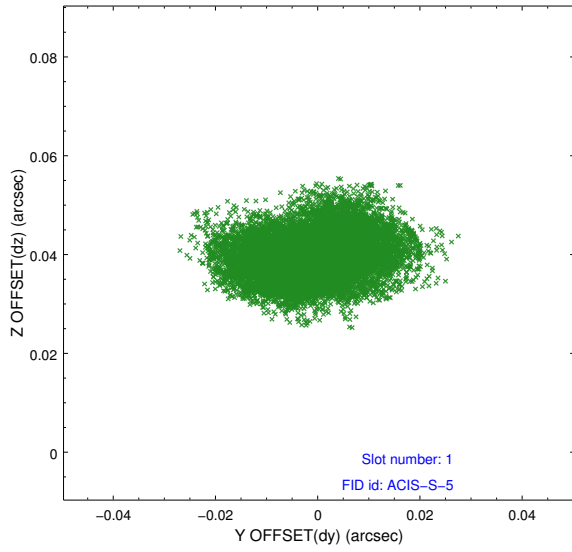


2.5 FID Slots

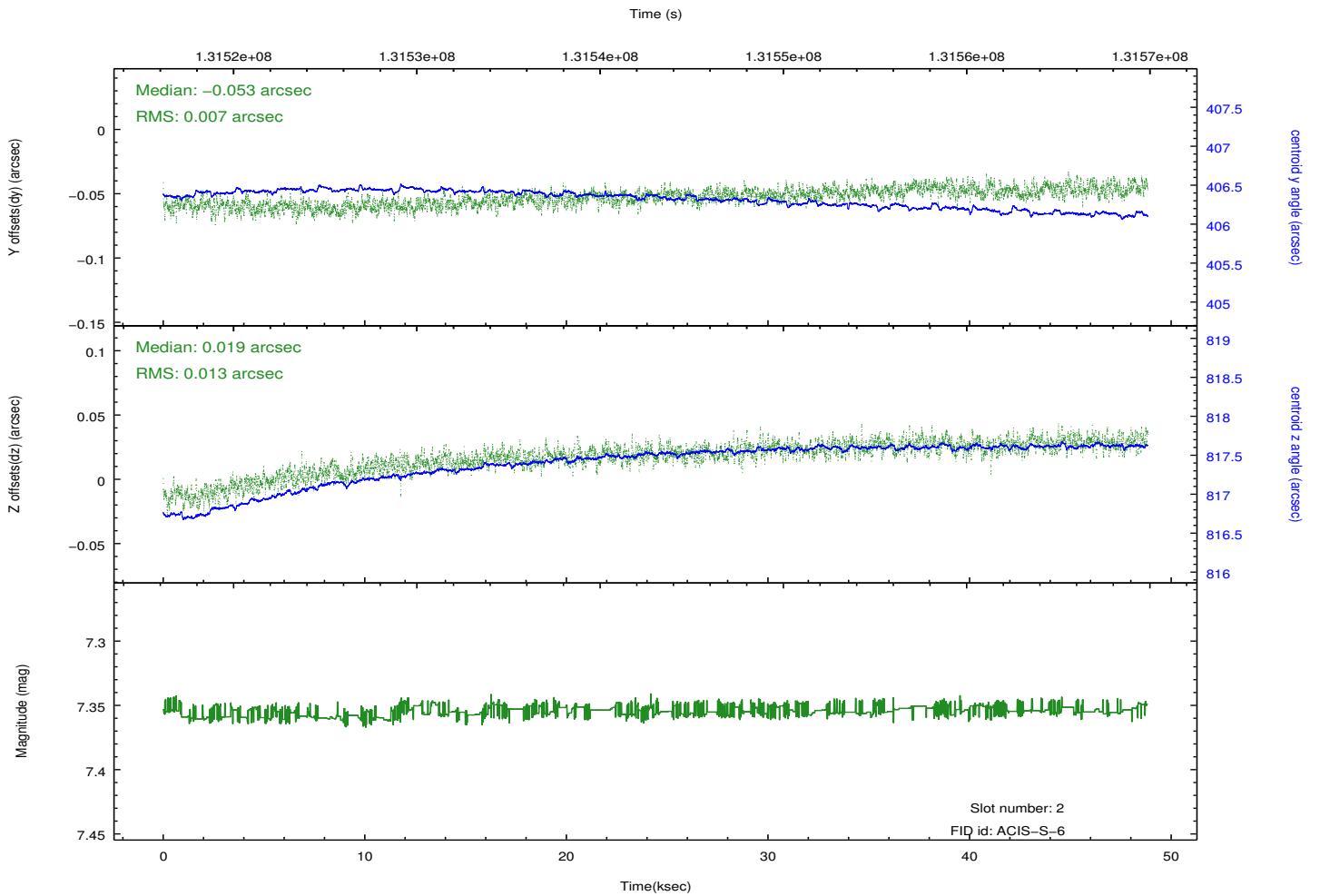
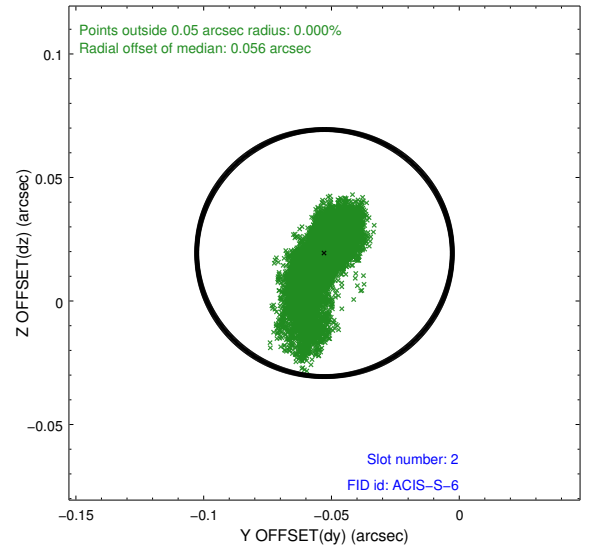
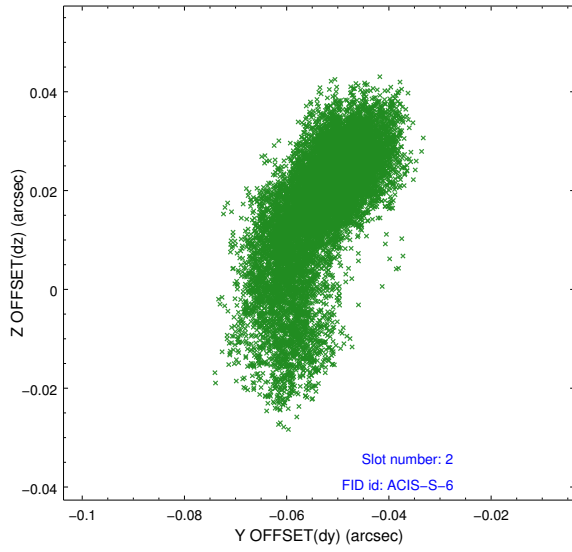
2.5.1 Slot 0



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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.833

A.2 Comments