

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2318 - L2 Version 4
Chandra X-Ray Center

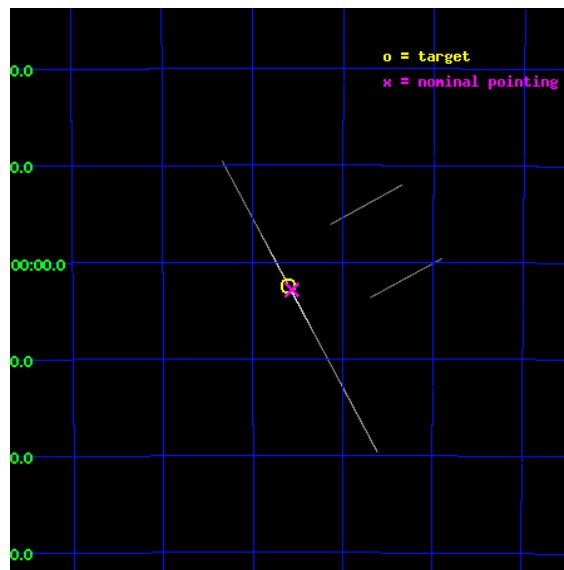
L2 Processing Date : Sep 25 2012

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1 Front

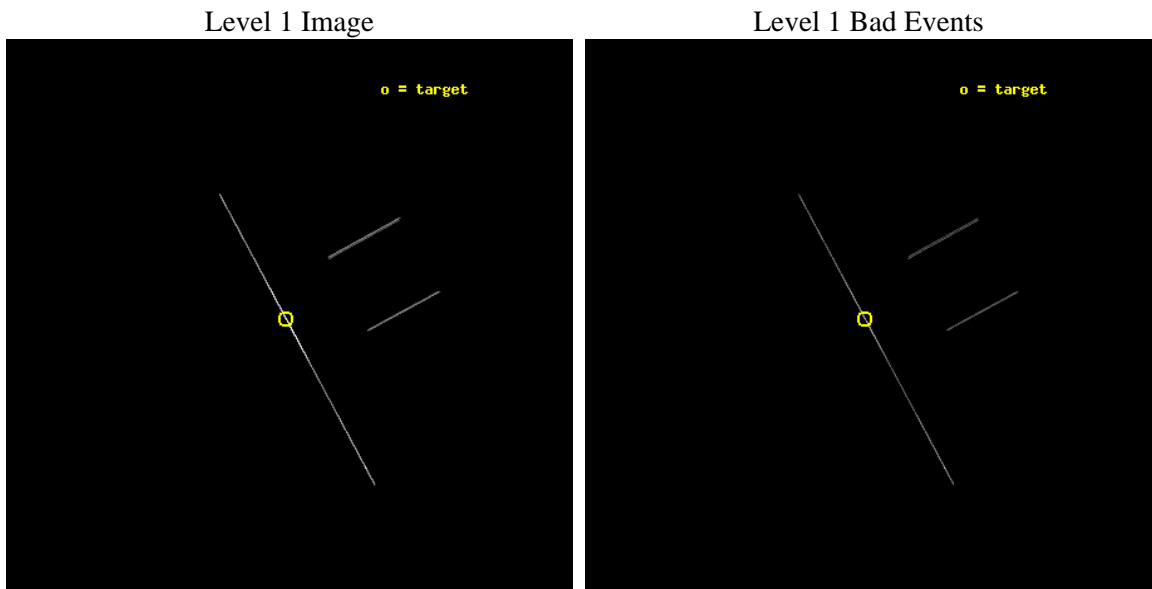
seq_num	500195	Sequence number
obs_id	2318	Observation id
title	OBSERVATION OF SNR RCW103	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RCW103	Source name
ra_targ	244.401292	Observer's specified target RA [deg]
dec_targ	-51.0402	Observer's specified target Dec [deg]
ra_nom	244.39169493491	Nominal RA [deg]
dec_nom	-51.047860774773	Nominal Dec [deg]
roll_nom	241.58913760814	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3810.0	Sum of GTIs [s]
livetime	3795.1171875	Livetime [s]
ontime2	3810.0	Sum of GTIs [s]
ontime3	3810.0	Sum of GTIs [s]
ontime5	3810.0	Sum of GTIs [s]
ontime6	3810.0	Sum of GTIs [s]
ontime7	3810.0	Sum of GTIs [s]
ontime8	3810.0	Sum of GTIs [s]
l2events	235568	Number of level 2 events



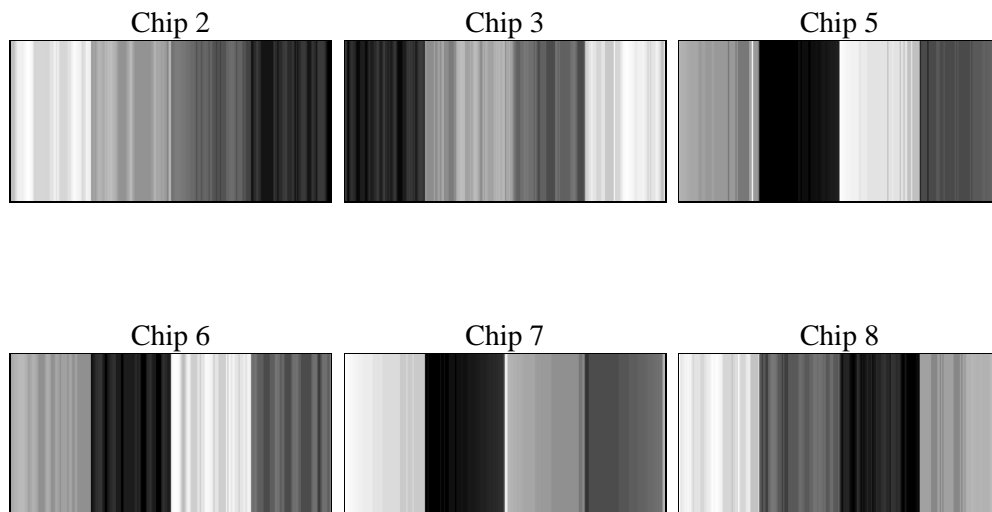
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3810.0	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	3810.0	Sum of GTIs [s]
date	2012-09-25T03:45:57	Date and time of file creation	ontime3	3810.0	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	3810.0	Sum of GTIs [s]
			ontime6	3810.0	Sum of GTIs [s]
			ontime7	3810.0	Sum of GTIs [s]
			ontime8	3810.0	Sum of GTIs [s]
			l1events	284648	Number of level 1 events

2.1.4 Events

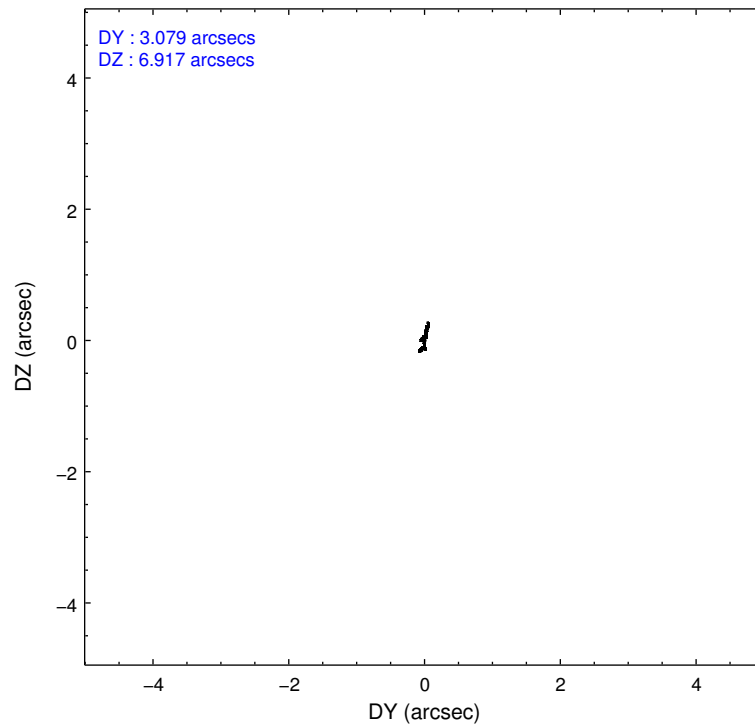
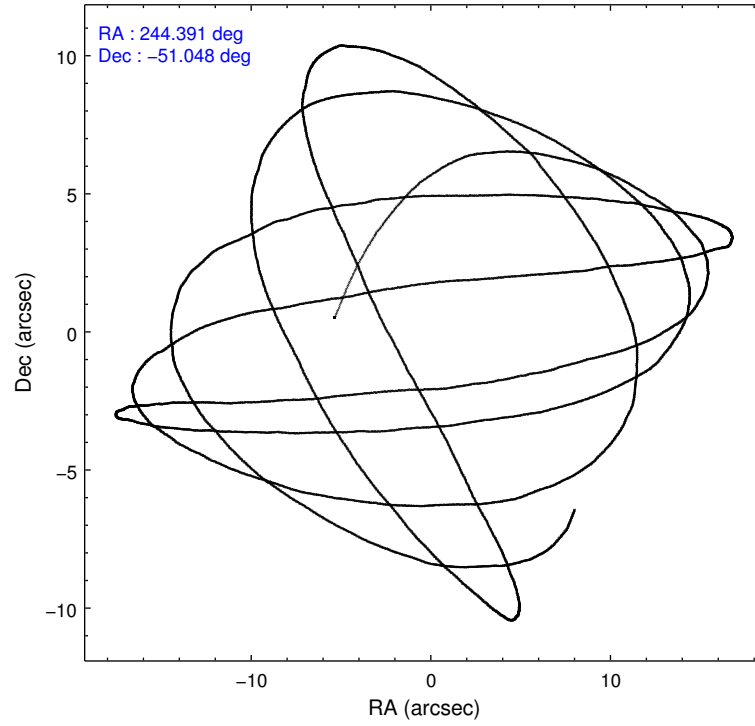
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6667	6762	27273	44048	185114	14784
rejected events	2206	1942	7132	3524	12903	3593
rejected %	33%	28%	26%	8%	6%	24%

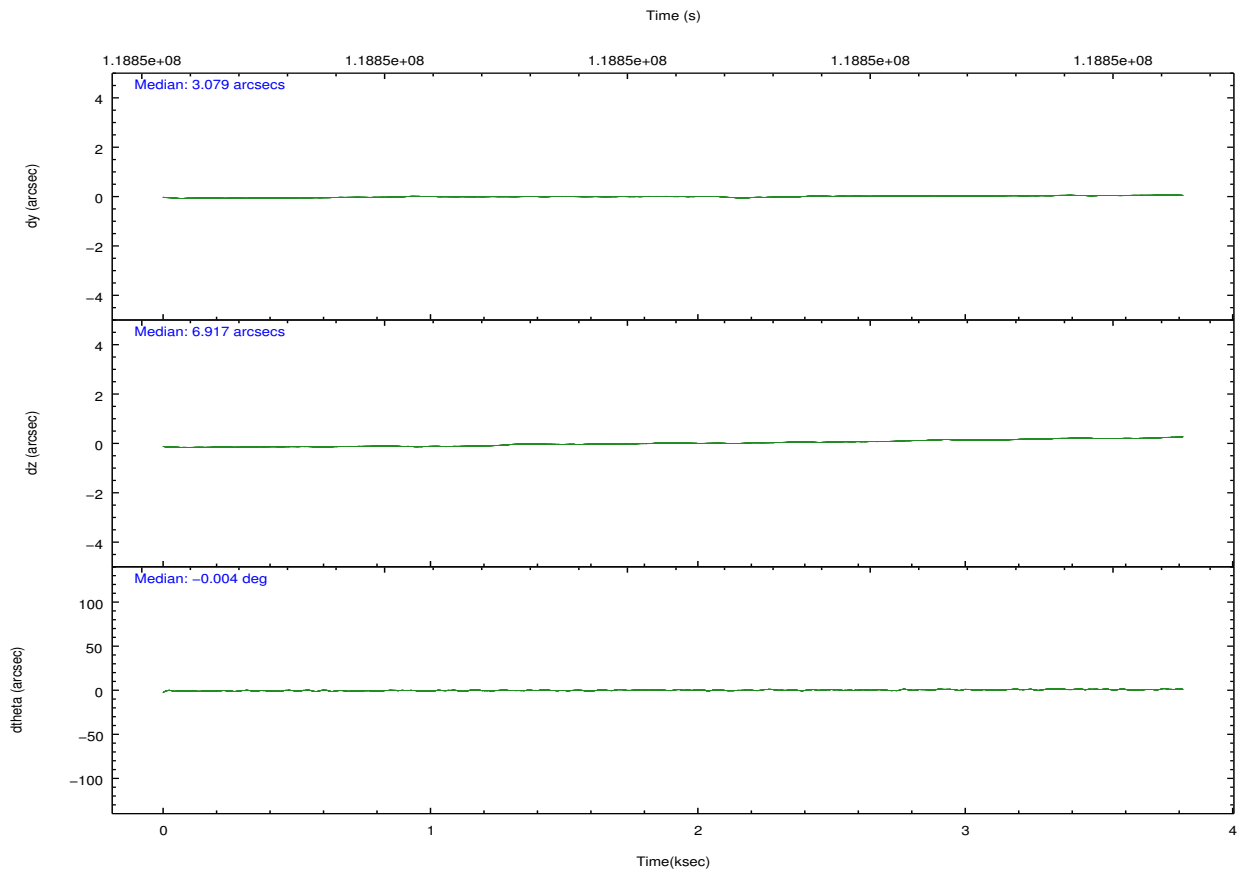
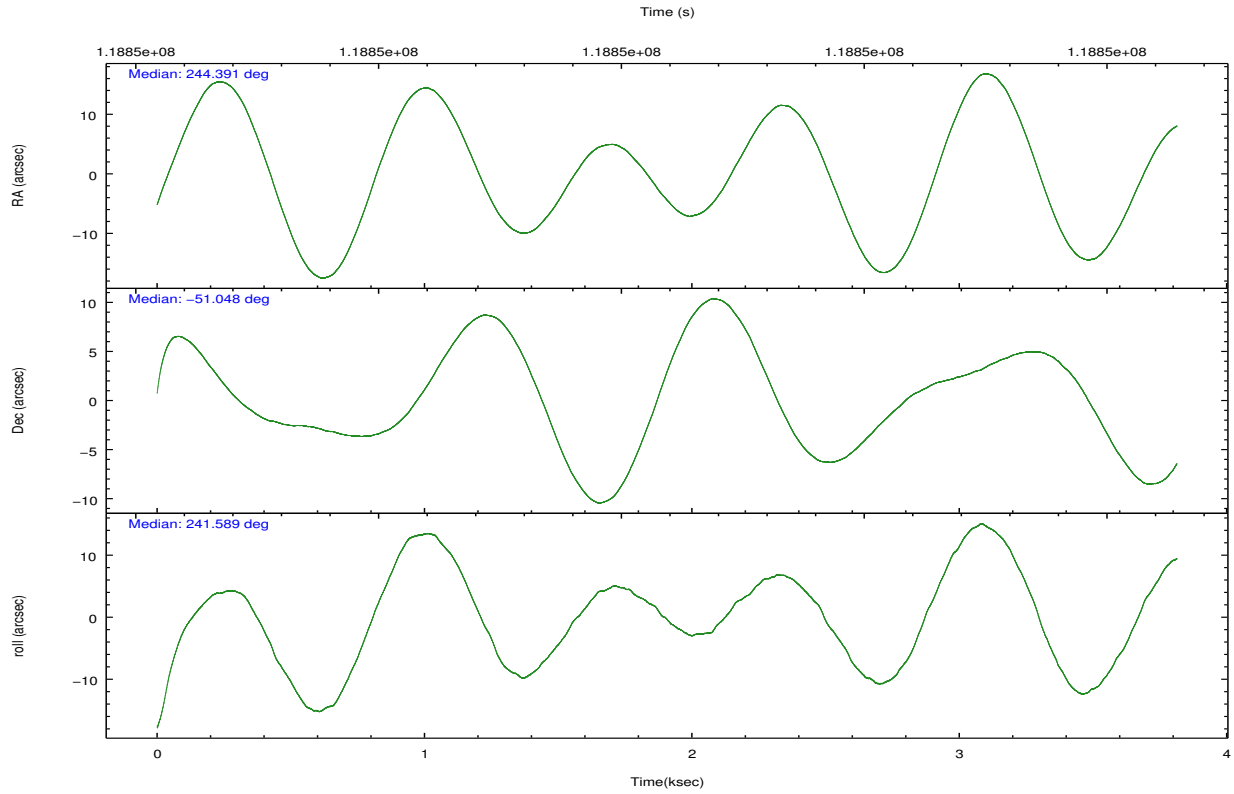
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	806	740	6477	6198	52384	3128
	12%	10%	23%	14%	28%	21%
grade 1 events	14	29	37	18	128	36
	0%	0%	0%	0%	0%	0%
grade 2 events	2635	2466	6652	32533	50223	3706
	39%	36%	24%	73%	27%	25%
grade 3 events	689	781	662	885	21666	1778
	10%	11%	2%	2%	11%	12%
grade 4 events	693	668	676	803	20640	1777
	10%	9%	2%	1%	11%	12%
grade 5 events	888	992	2453	1259	4049	1474
	13%	14%	8%	2%	2%	9%
grade 6 events	942	1086	10316	2352	36024	2885
	14%	16%	37%	5%	19%	19%
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	244.389923	244.3916949349135	Subarray requested	NONE	NONE
[deg] Pointing Dec	-51.020562	-51.0478607747727	Alternating exposures requested	N	N
[deg] Pointing Roll	241.431170	241.5891376081424	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	118281664.184000	118281664.184000			
[s] Window stop time (MET)	120009664.184000	120009664.184000			
[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)	118848595.184000	118847564.70466			
Observation start date	2001-10-07T13:28:51	2001-10-07T13:12:44			
[s] Observation end time (MET)	118852095.184000	118852922.89238			
Observation end date	2001-10-07T14:27:11	2001-10-07T14:42:02			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



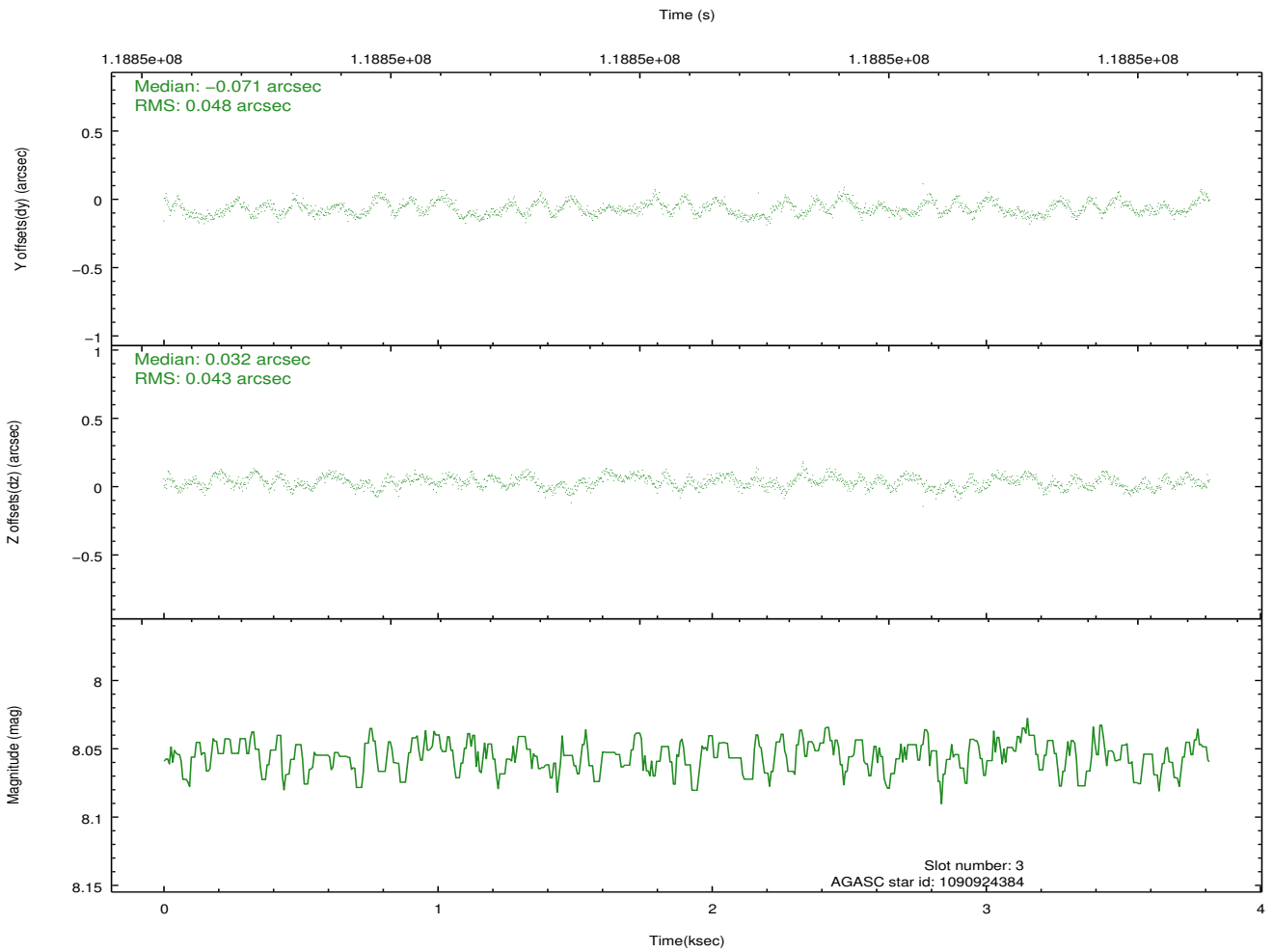
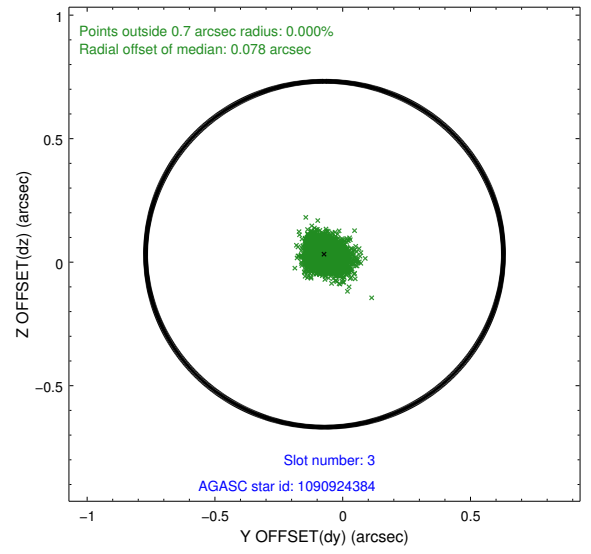
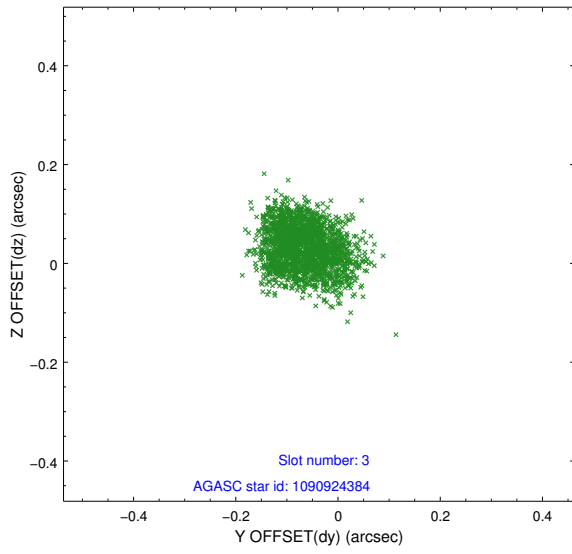


Slot Statistics

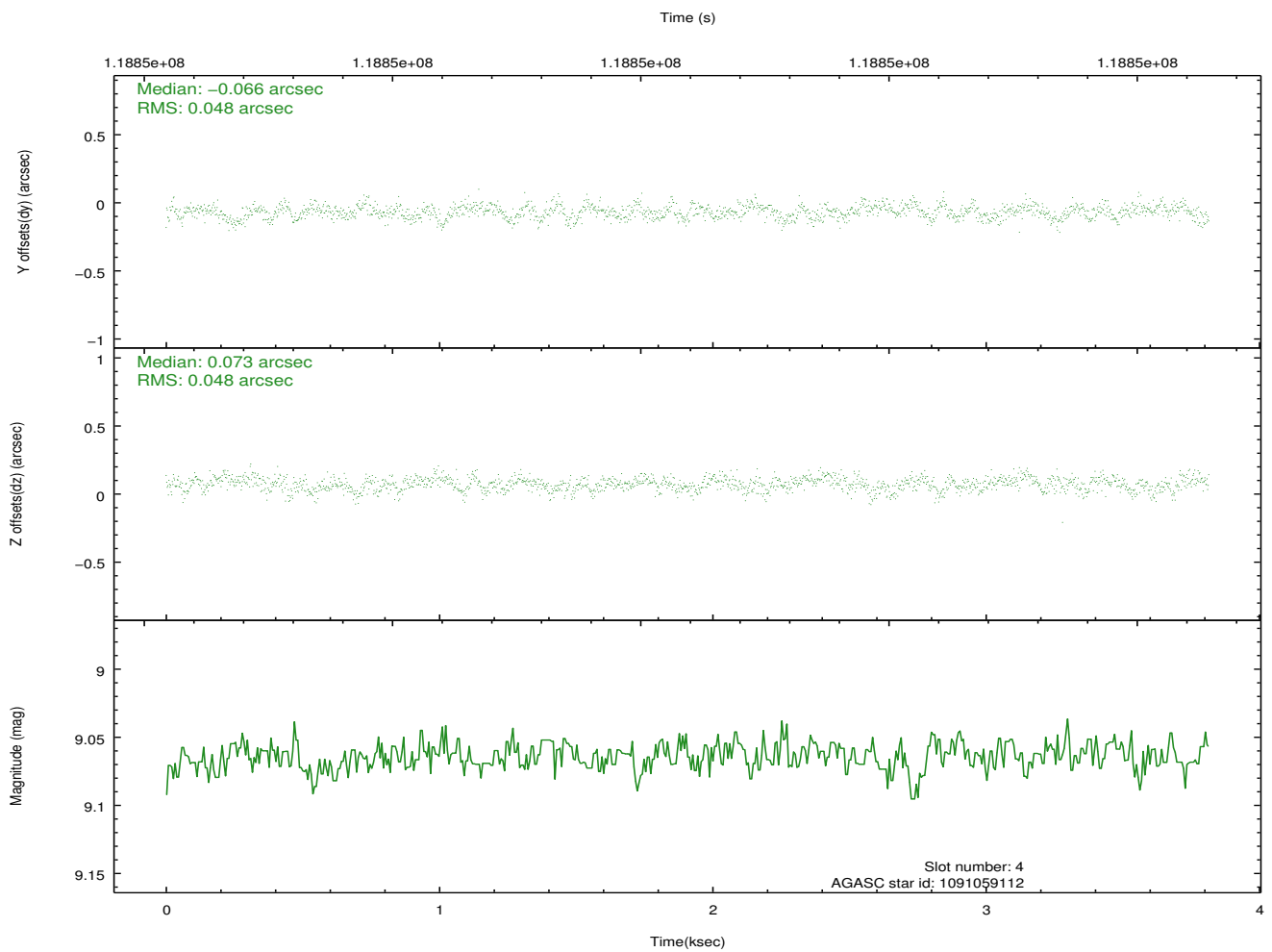
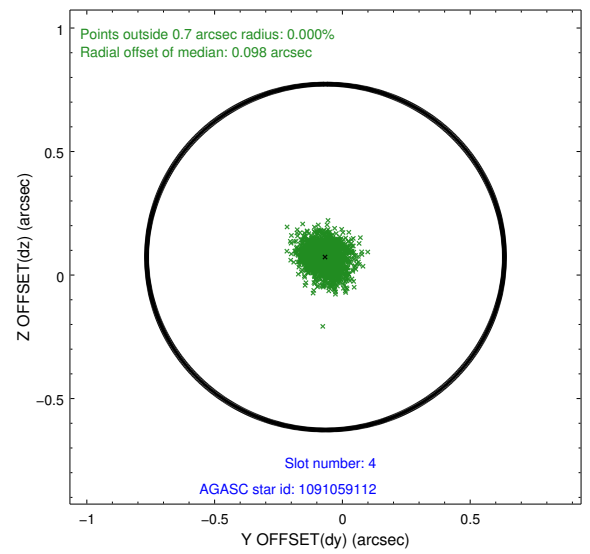
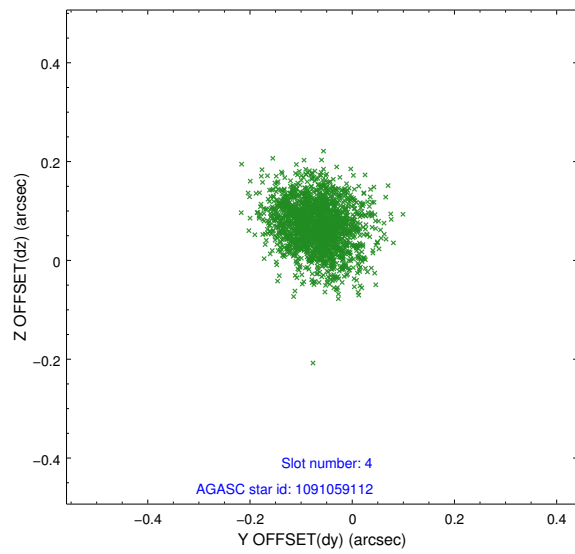
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	931	-0.012	0.008	0.008	0.013	0.000000	0.000000	-755.72	-1728.09
1	FID	ACIS-S-4	7.20	931	-0.031	0.004	0.006	0.010	0.000000	0.000000	2156.78	178.71
2	FID	ACIS-S-5	7.24	931	0.012	-0.003	0.007	0.012	0.000000	0.000000	-1806.43	174.23
3	GUIDE	1090924384	8.05	1862	-0.071	0.032	0.069	0.109	243.330505	-50.934017	889.34	-2251.97
4	GUIDE	1091059112	9.06	1862	-0.066	0.073	0.073	0.117	245.180420	-50.736664	-1751.60	1096.13
5	GUIDE	1090922592	8.68	1862	0.009	-0.067	0.068	0.107	243.541382	-50.784876	186.29	-2095.99
6	GUIDE	1090916640	8.91	1862	0.044	0.044	0.057	0.093	244.322461	-51.464734	1475.28	630.41
7	GUIDE	1090523792	10.23	1859	0.079	-0.090	0.133	0.221	245.121825	-50.587791	-2161.74	728.01

2.4 Star Slots

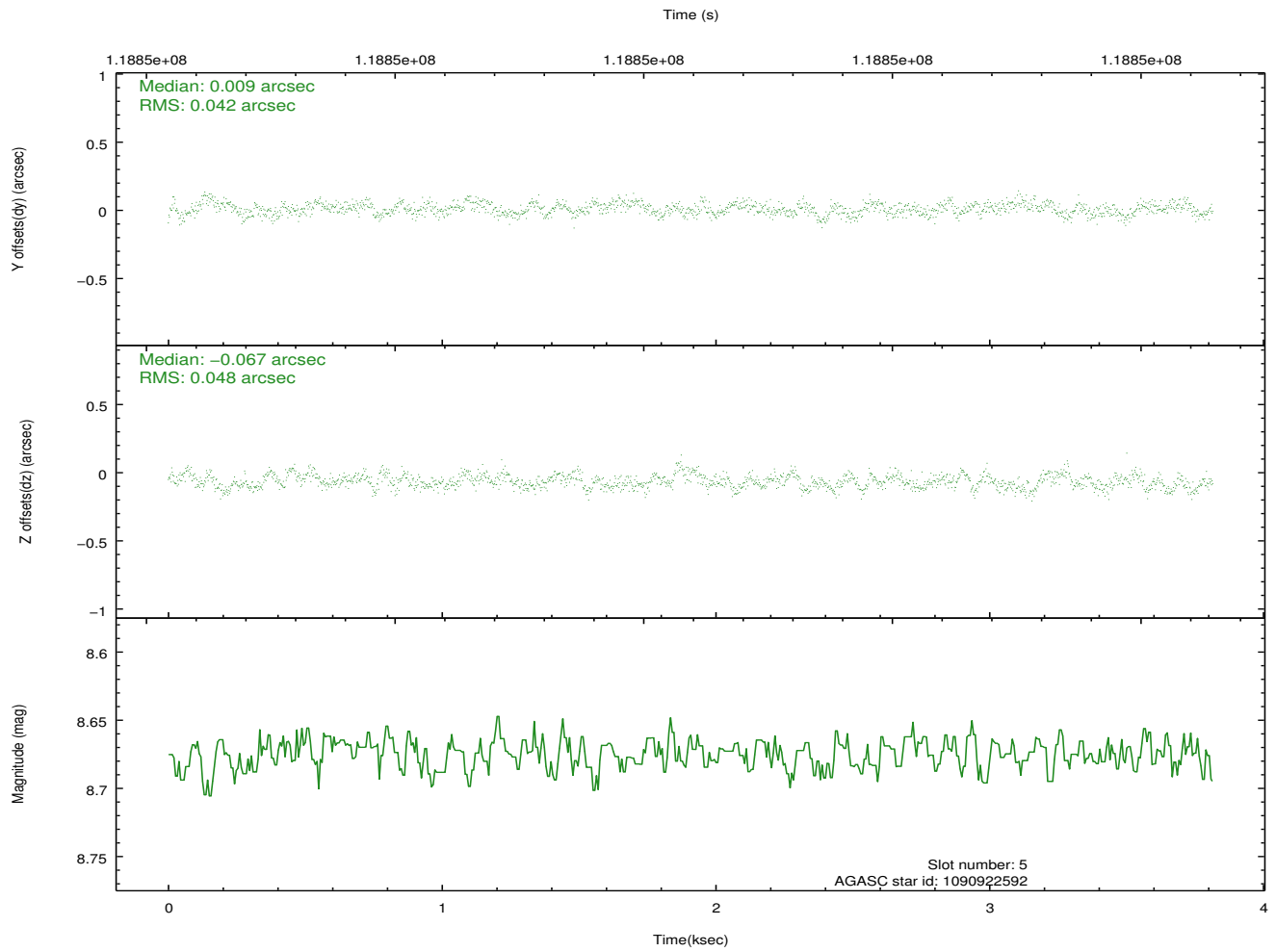
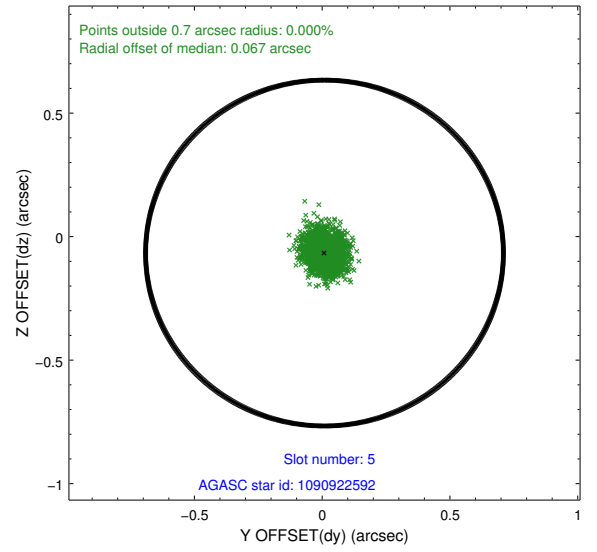
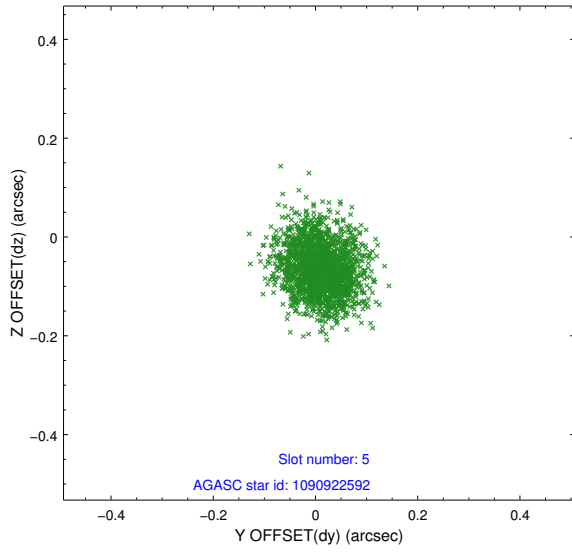
2.4.1 Slot 3



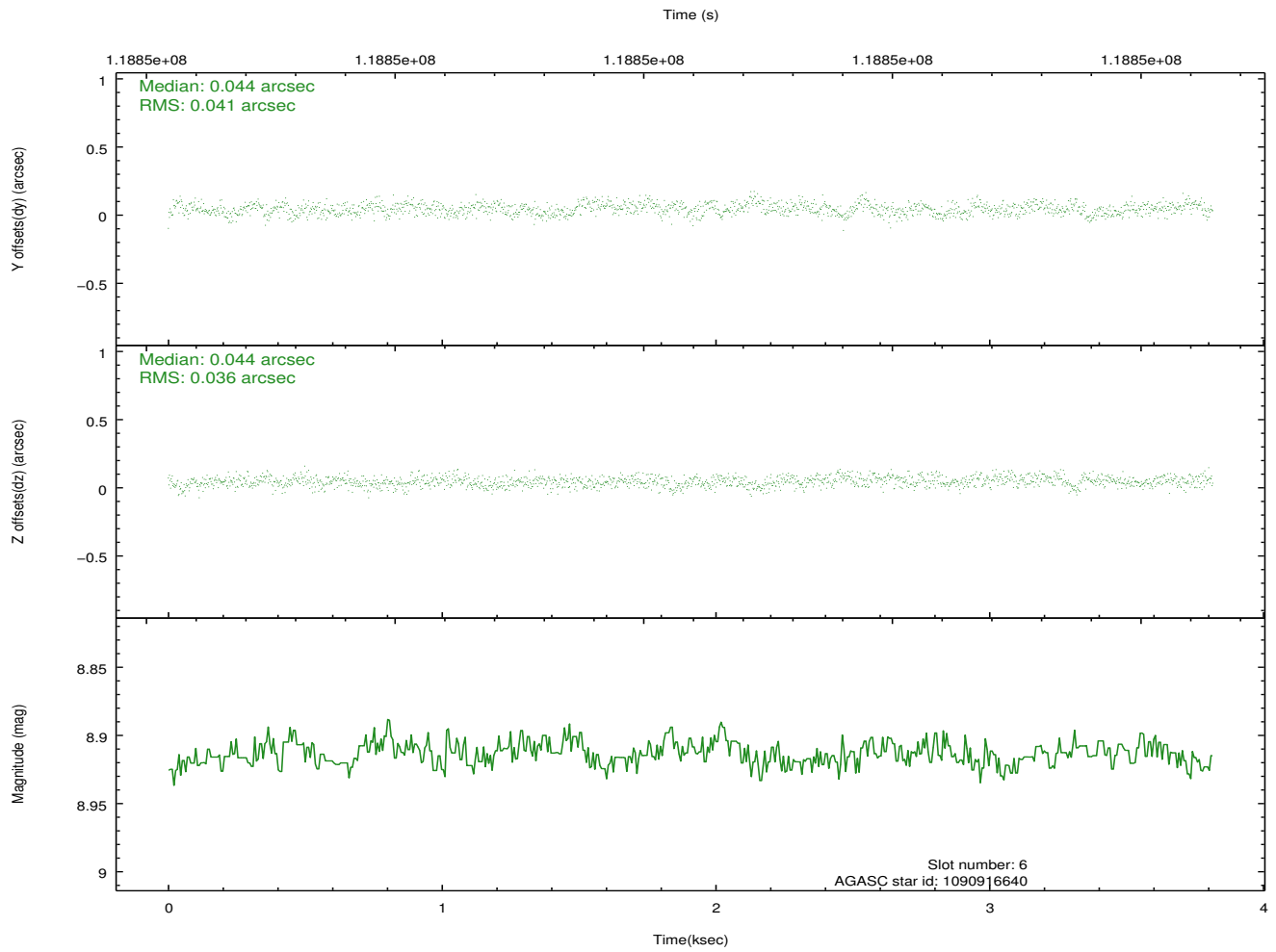
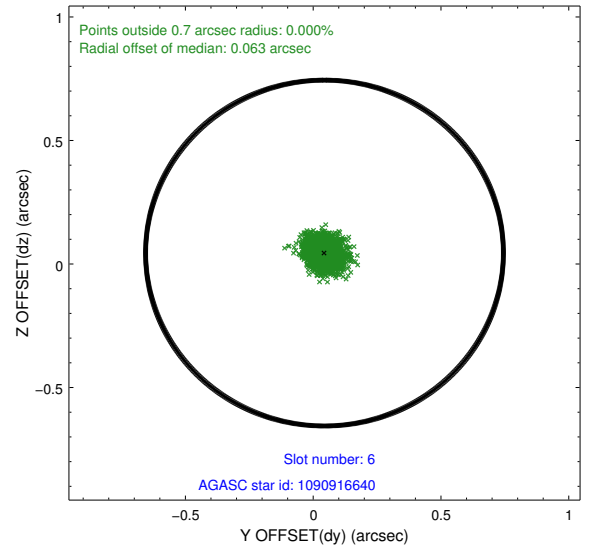
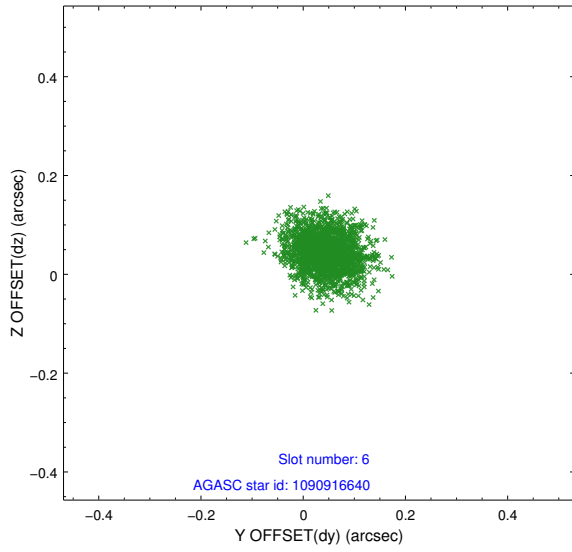
2.4.2 Slot 4



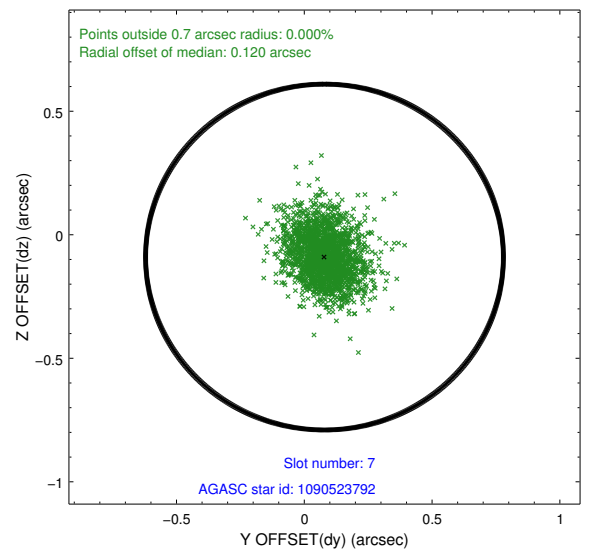
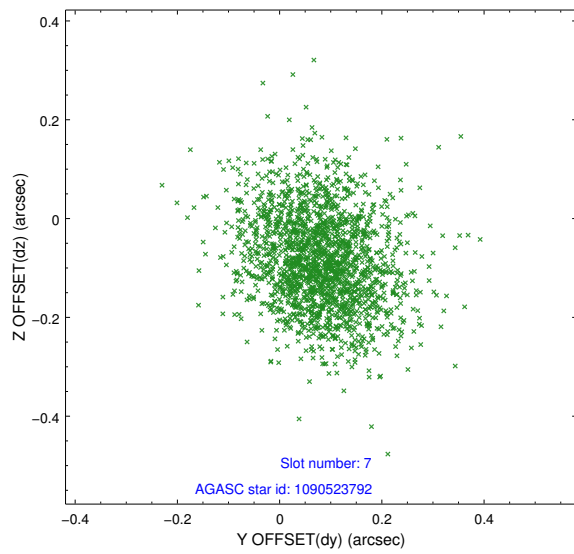
2.4.3 Slot 5



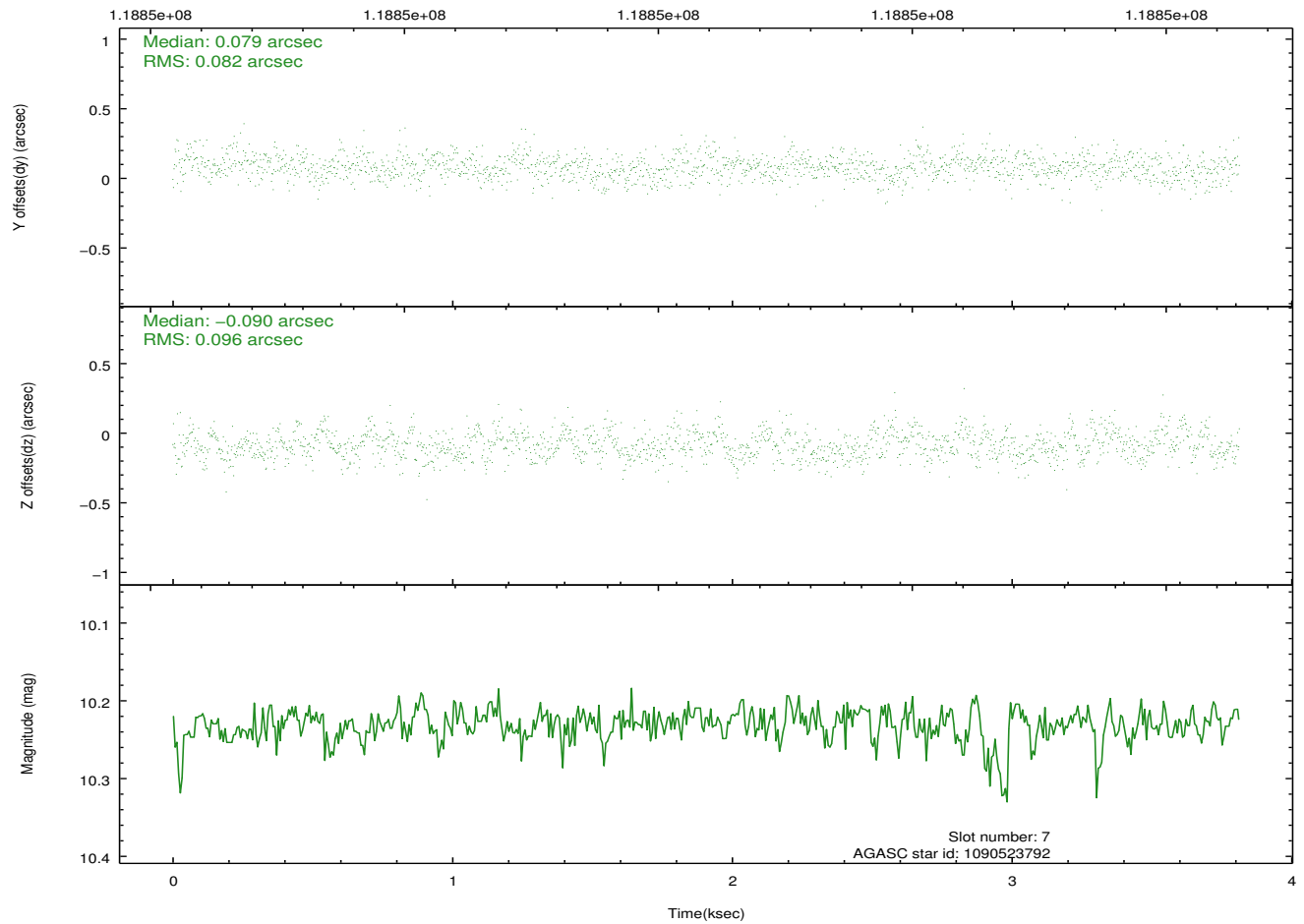
2.4.4 Slot 6



2.4.5 Slot 7

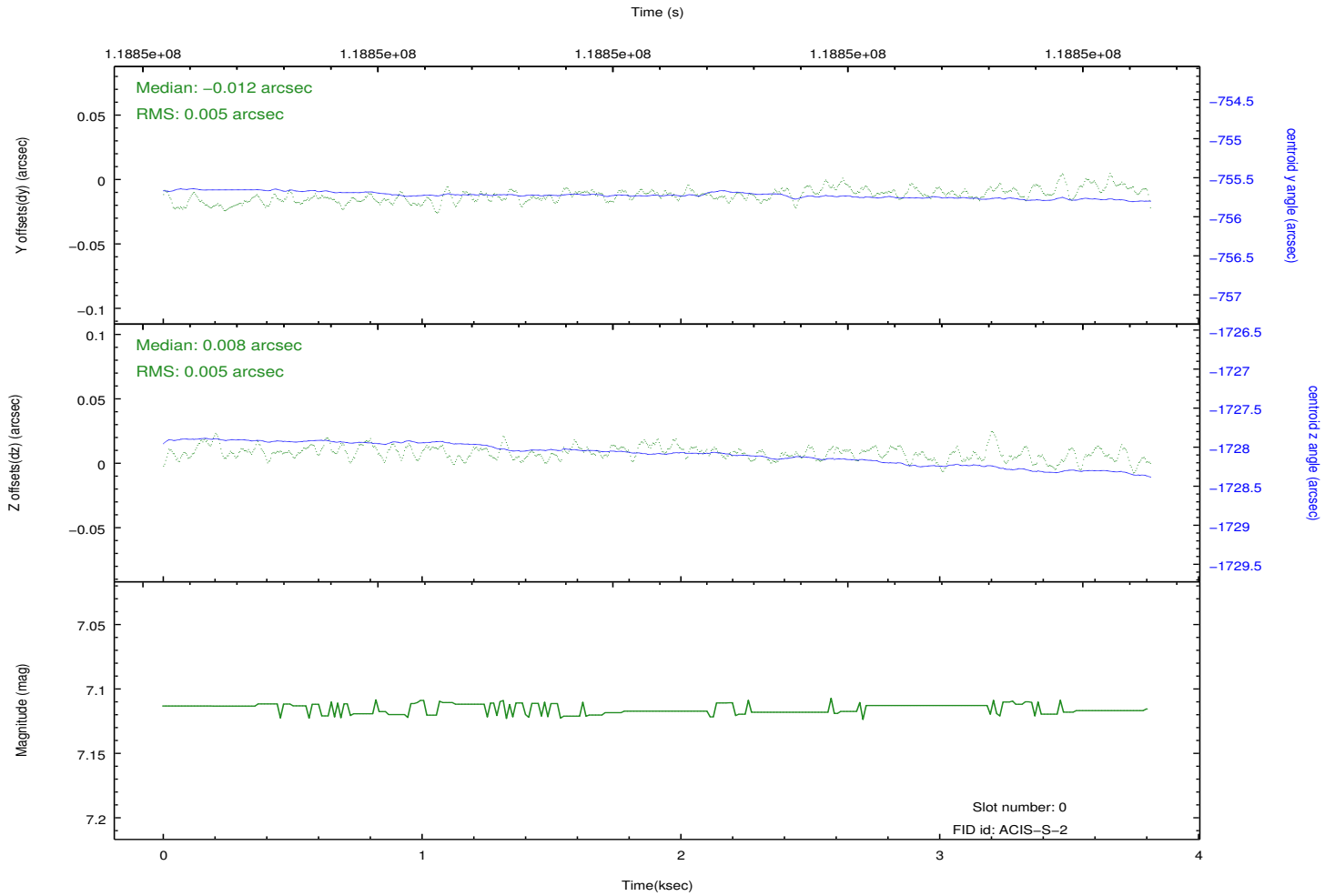
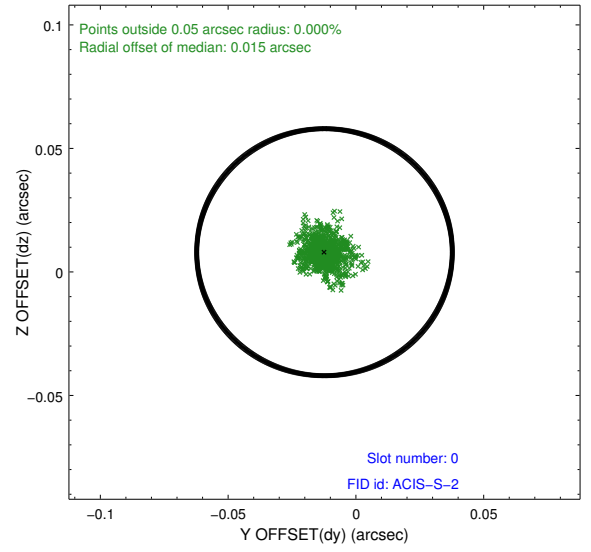
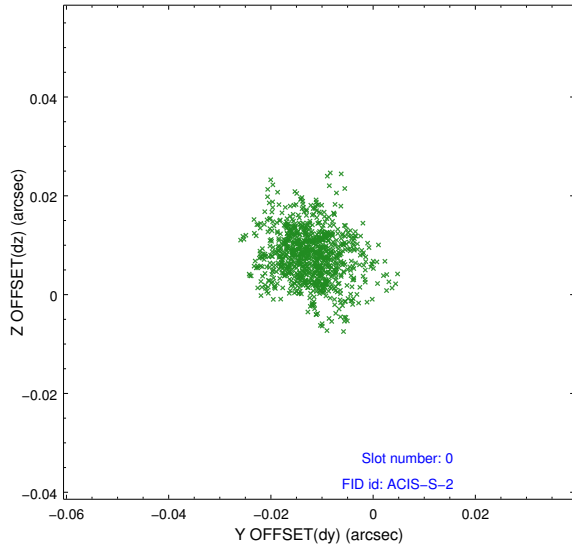


Time (s)

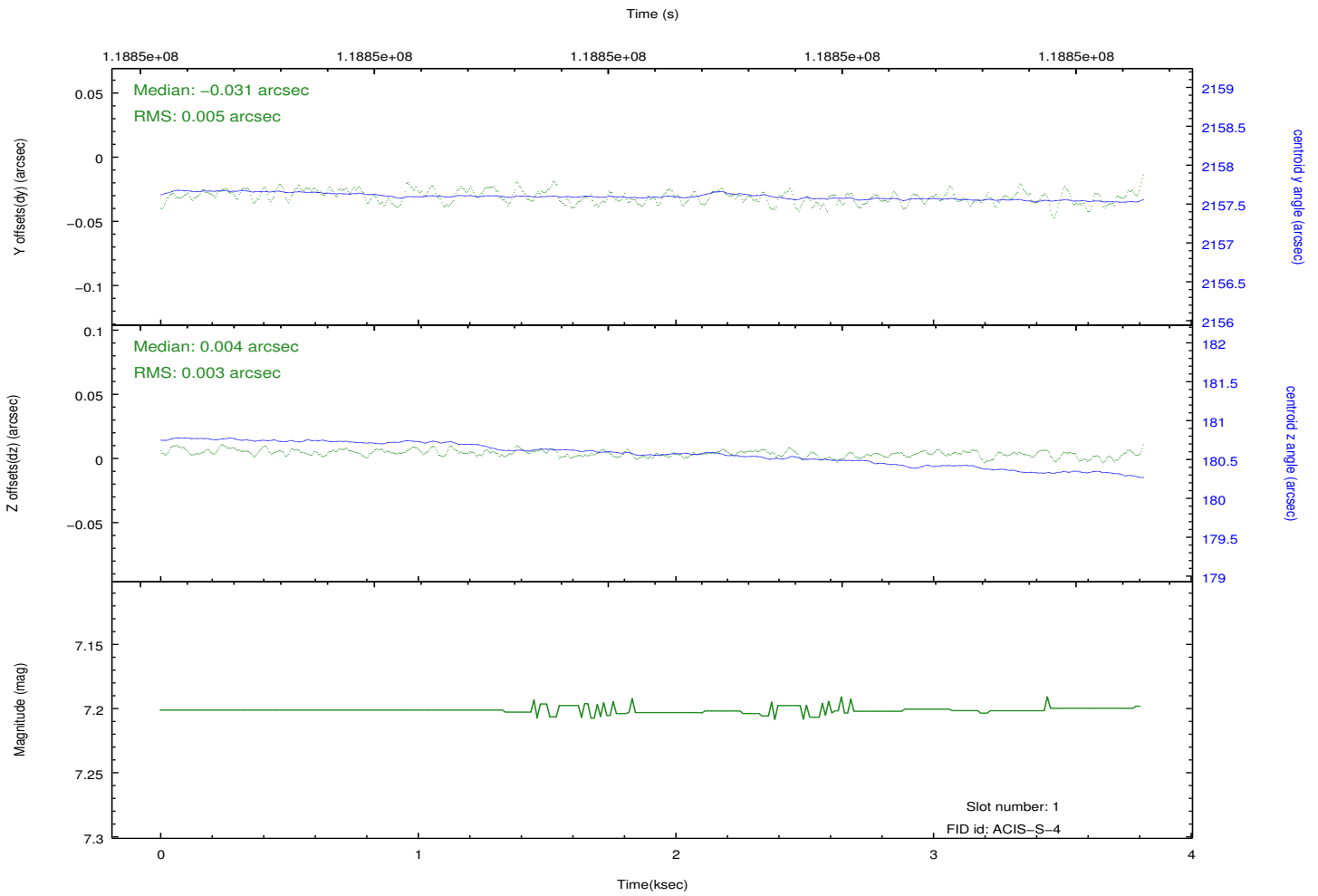
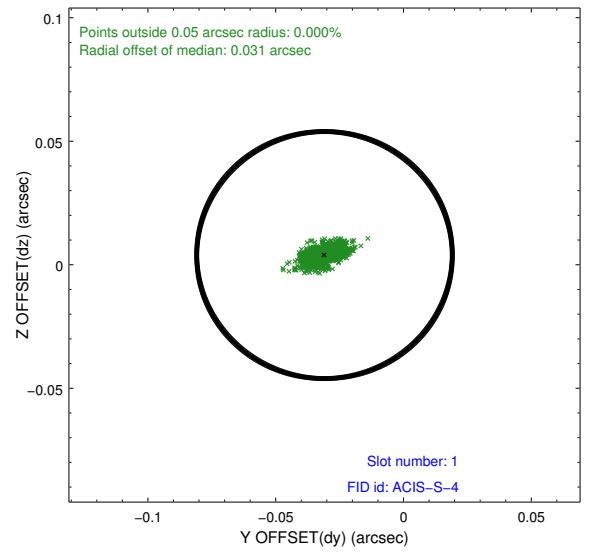
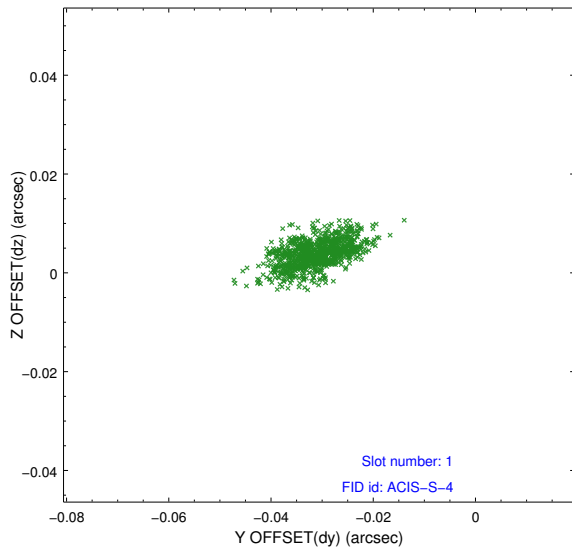


2.5 FID Slots

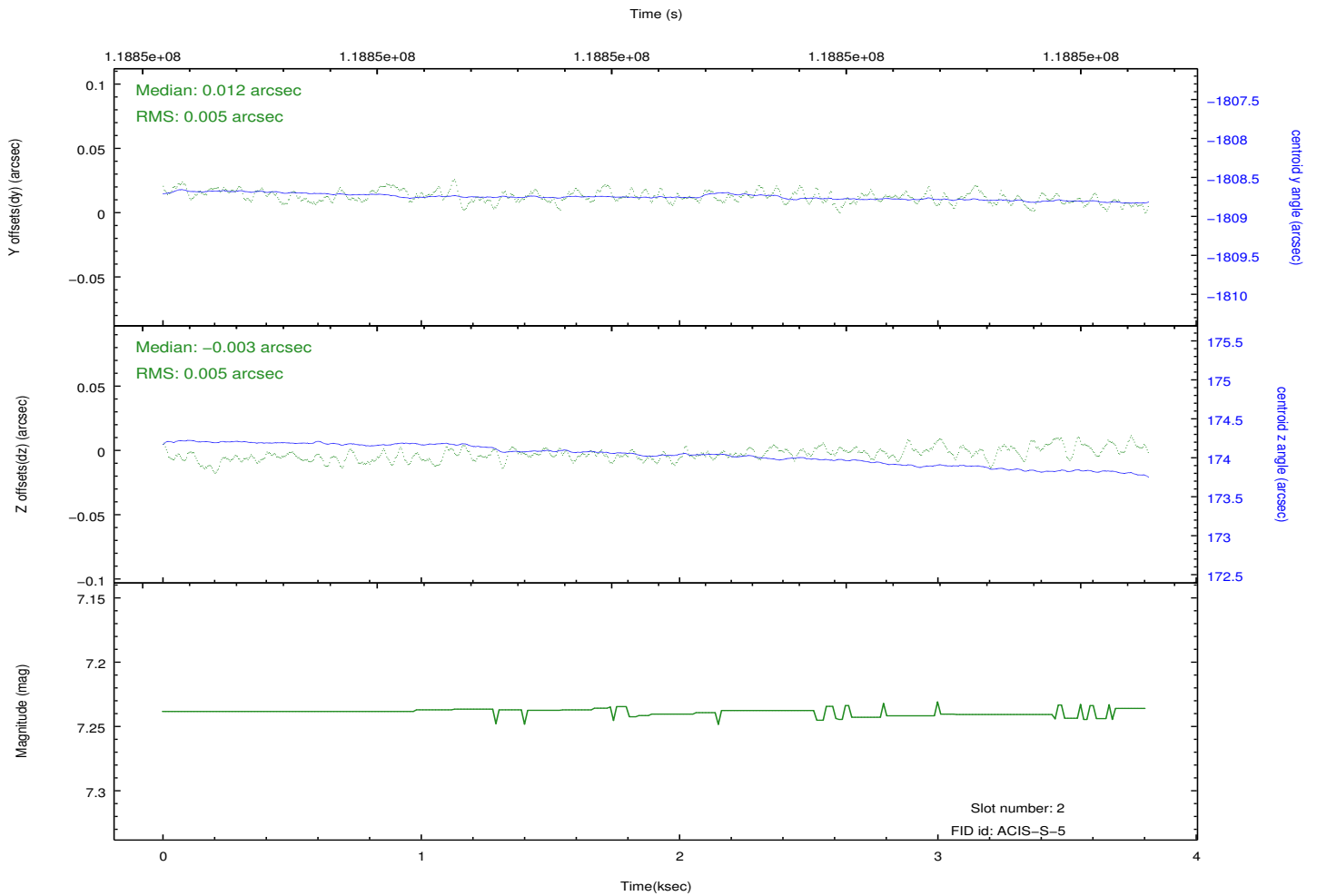
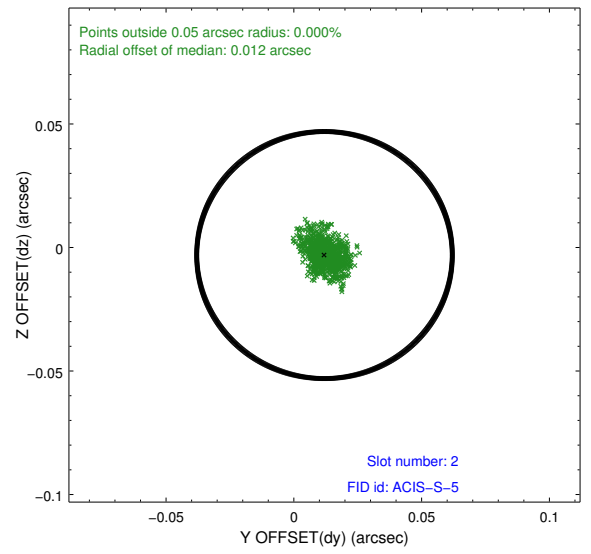
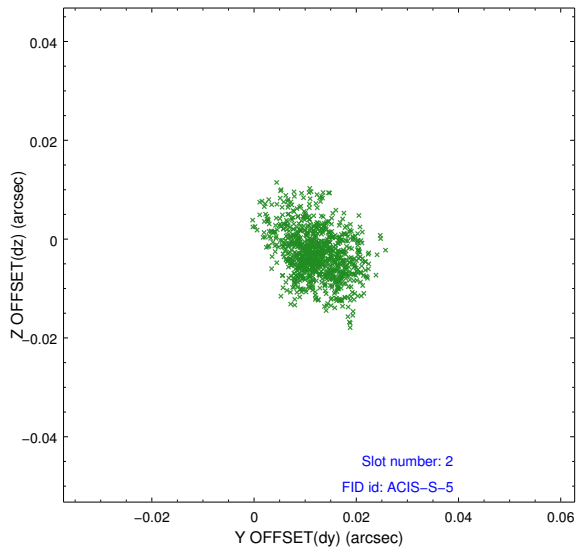
2.5.1 Slot 0



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)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.813

A.2 Comments