

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18028 - L2 Version 1
Chandra X-Ray Center

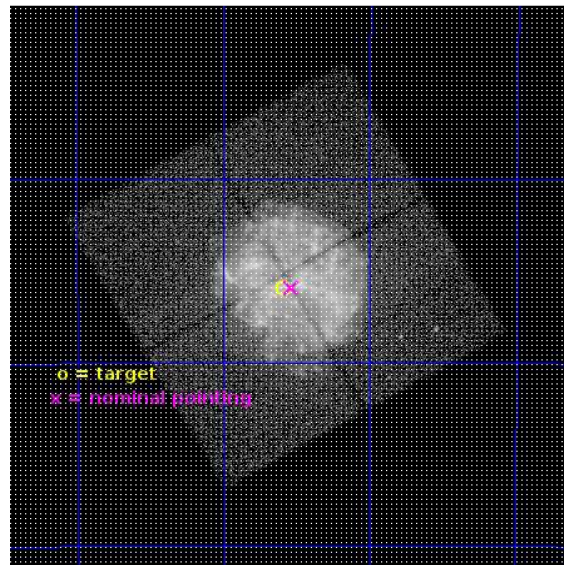
L2 Processing Date : Oct 4 2016

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1 Front

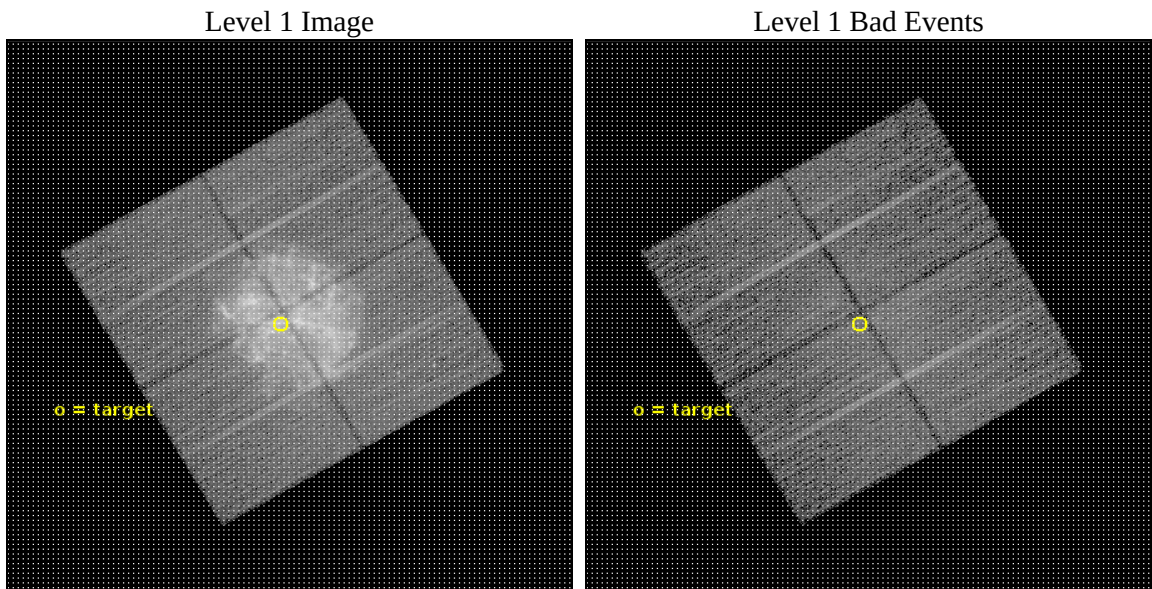
seq_num	502645	Sequence number
obs_id	18028	Observation id
title	Global Expansion and Internal Kinematics of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Kazimierz Borkowski	Principal investigator
object	G292.0+1.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.148542	Observer's specified target RA [deg]
dec_targ	-59.265661	Observer's specified target Dec [deg]
ra_nom	171.13396518133	Nominal RA [deg]
dec_nom	-59.265404623397	Nominal Dec [deg]
roll_nom	150.19615553074	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28826.900221825	Sum of GTIs [s]
livetime	28450.255548371	Livetime [s]
ontime0	28826.900221825	Sum of GTIs [s]
ontime1	28826.900221825	Sum of GTIs [s]
ontime2	28826.900221825	Sum of GTIs [s]
ontime3	28826.900221825	Sum of GTIs [s]
l2events	599661	Number of level 2 events



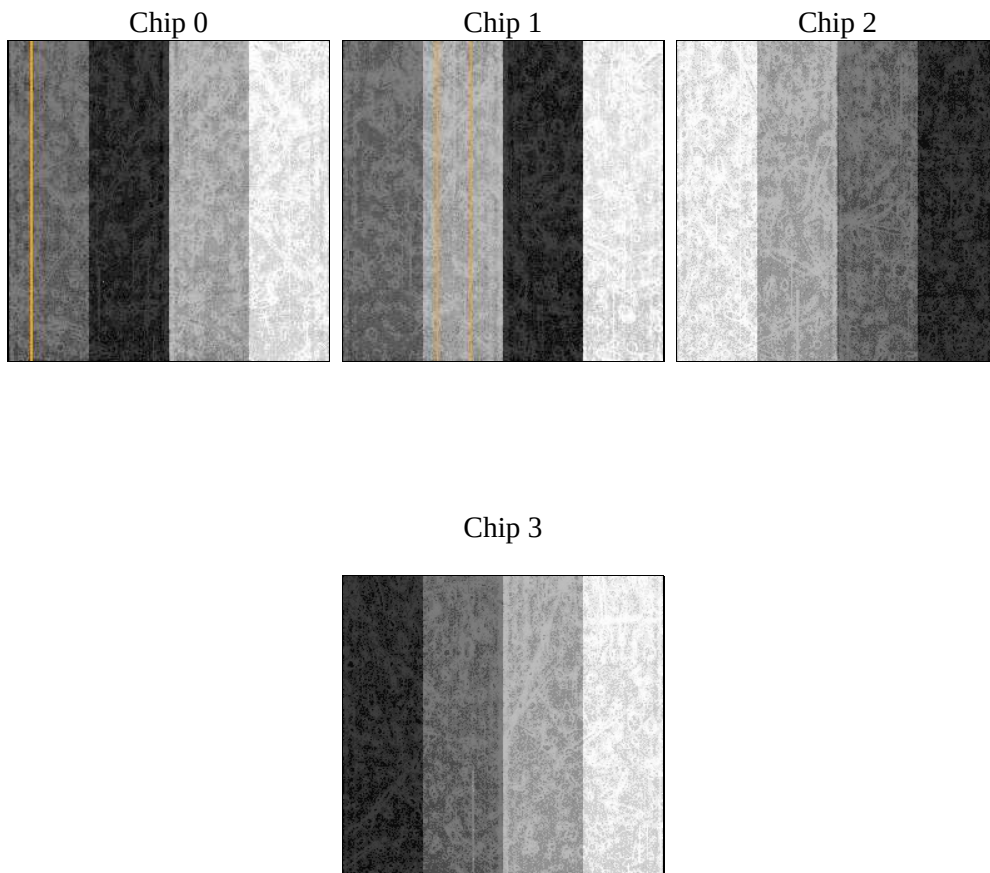
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28709.946000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	28826.900221825	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	28826.900221825	Sum of GTIs [s]
date	2016-10-04T21:26:39	Date and time of file creation	ontime1	28826.900221825	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	28826.900221825	Sum of GTIs [s]
			ontime3	28826.900221825	Sum of GTIs [s]
			l1events	1168090	Number of level 1 events

2.1.4 Events

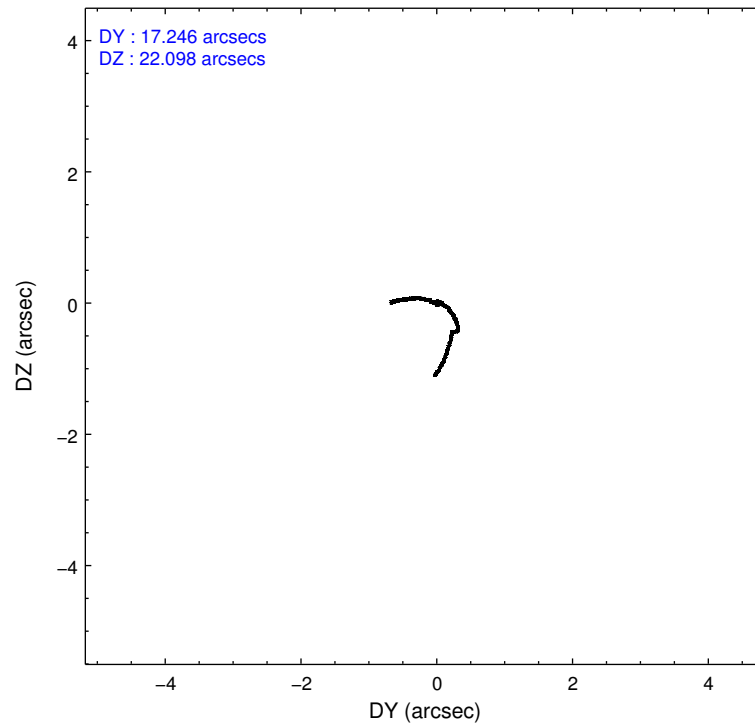
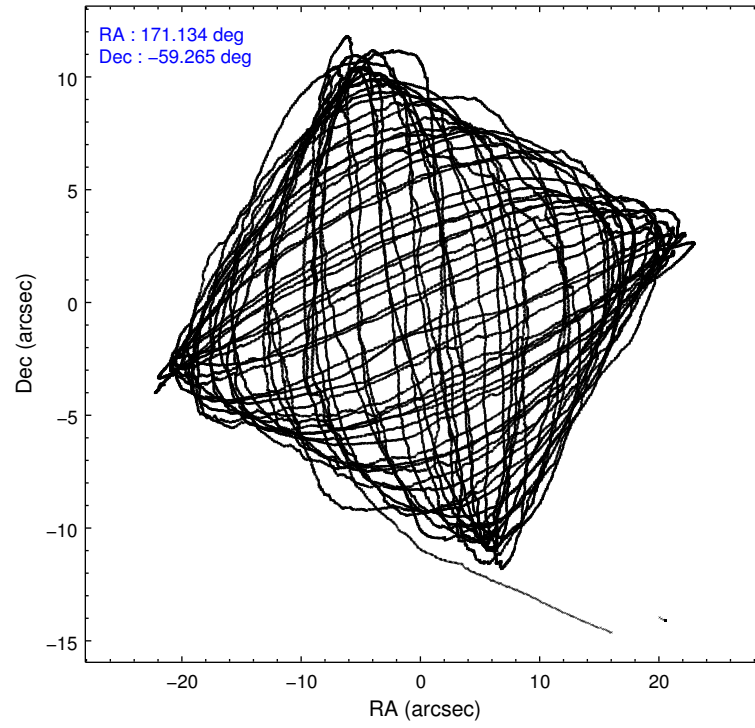
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	242253	249761	390669	285407
rejected events	122304	121256	149091	130205
rejected %	50%	48%	38%	45%

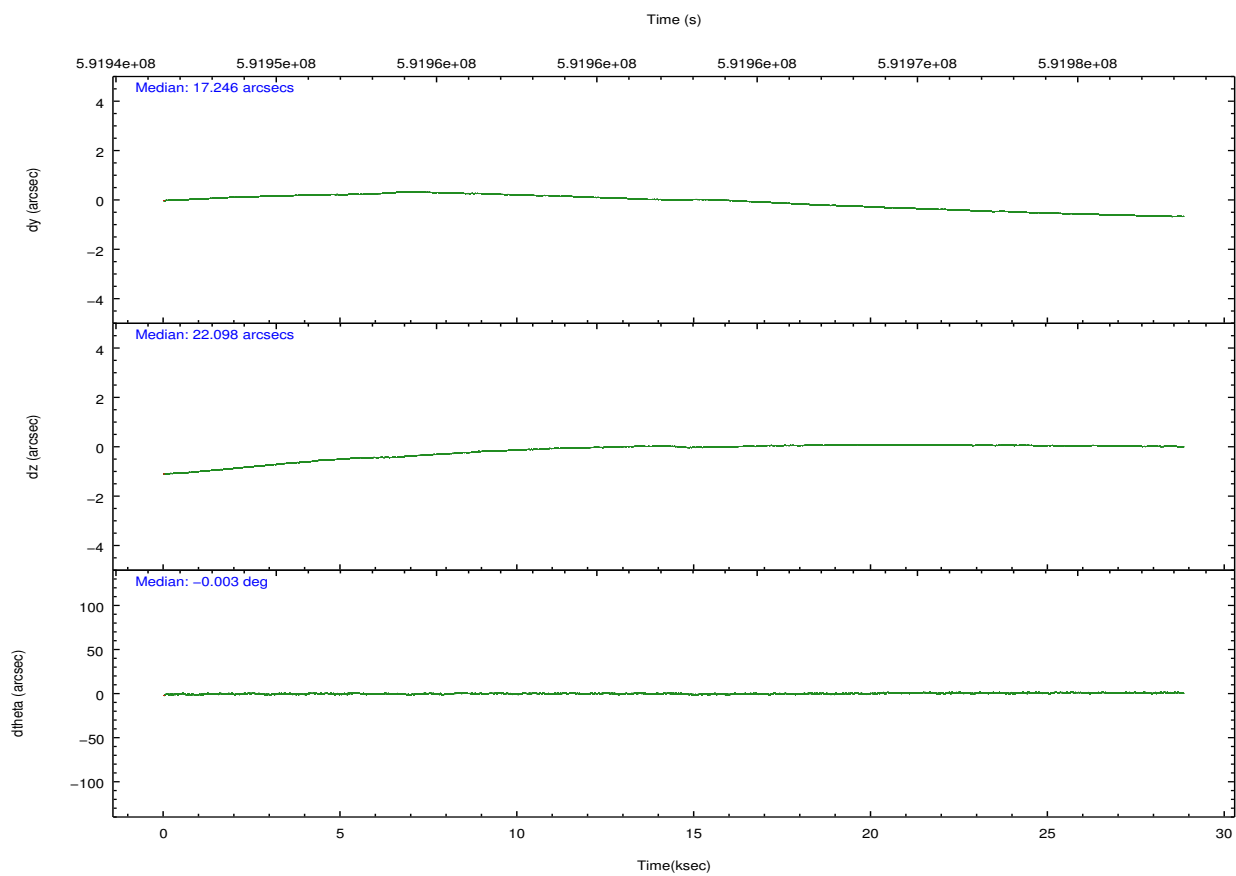
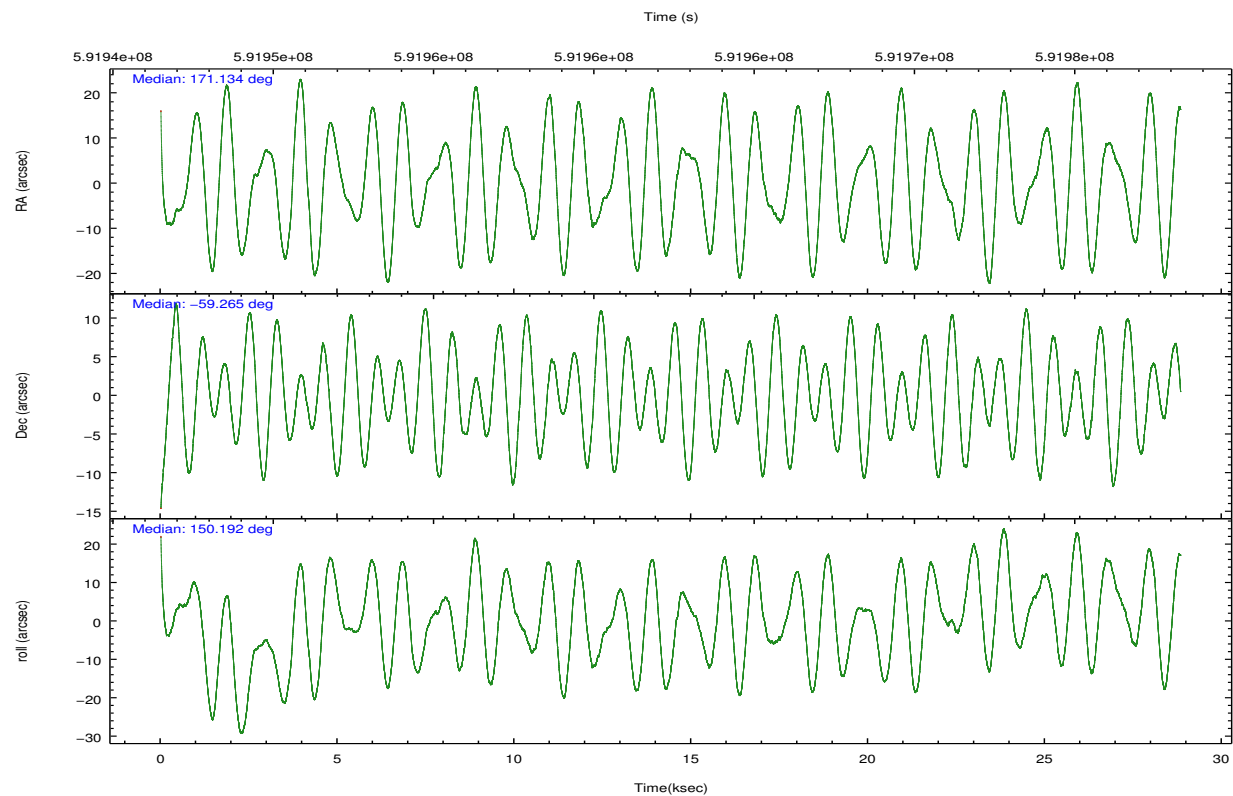
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	95512	102880	202367	127303
	39%	41%	51%	44%
grade 1 events	496	469	1136	727
	0%	0%	0%	0%
grade 2 events	13394	13709	22310	14819
	5%	5%	5%	5%
grade 3 events	3881	4129	6167	4435
	1%	1%	1%	1%
grade 4 events	3755	3943	6408	4559
	1%	1%	1%	1%
grade 5 events	3697	4000	3702	4303
	1%	1%	0%	1%
grade 6 events	3499	3939	4503	4174
	1%	1%	1%	1%
grade 7 events	118019	116692	144076	125087
	48%	46%	36%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	171.187980	171.1339651813277	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.265207	-59.26540462339739	Alternating exposures requested	N	N
[deg] Pointing Roll	150.033905	150.1961555307386	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	591948113.184000	591946387.14563			
Observation start date	2016-10-04T06:00:45	2016-10-04T05:33:07			
[s] Observation end time (MET)	591976823.184000	591977059.7599			
Observation end date	2016-10-04T13:59:15	2016-10-04T14:04:19			
Read mode	TIMED	TIMED			

2.3 Aspect



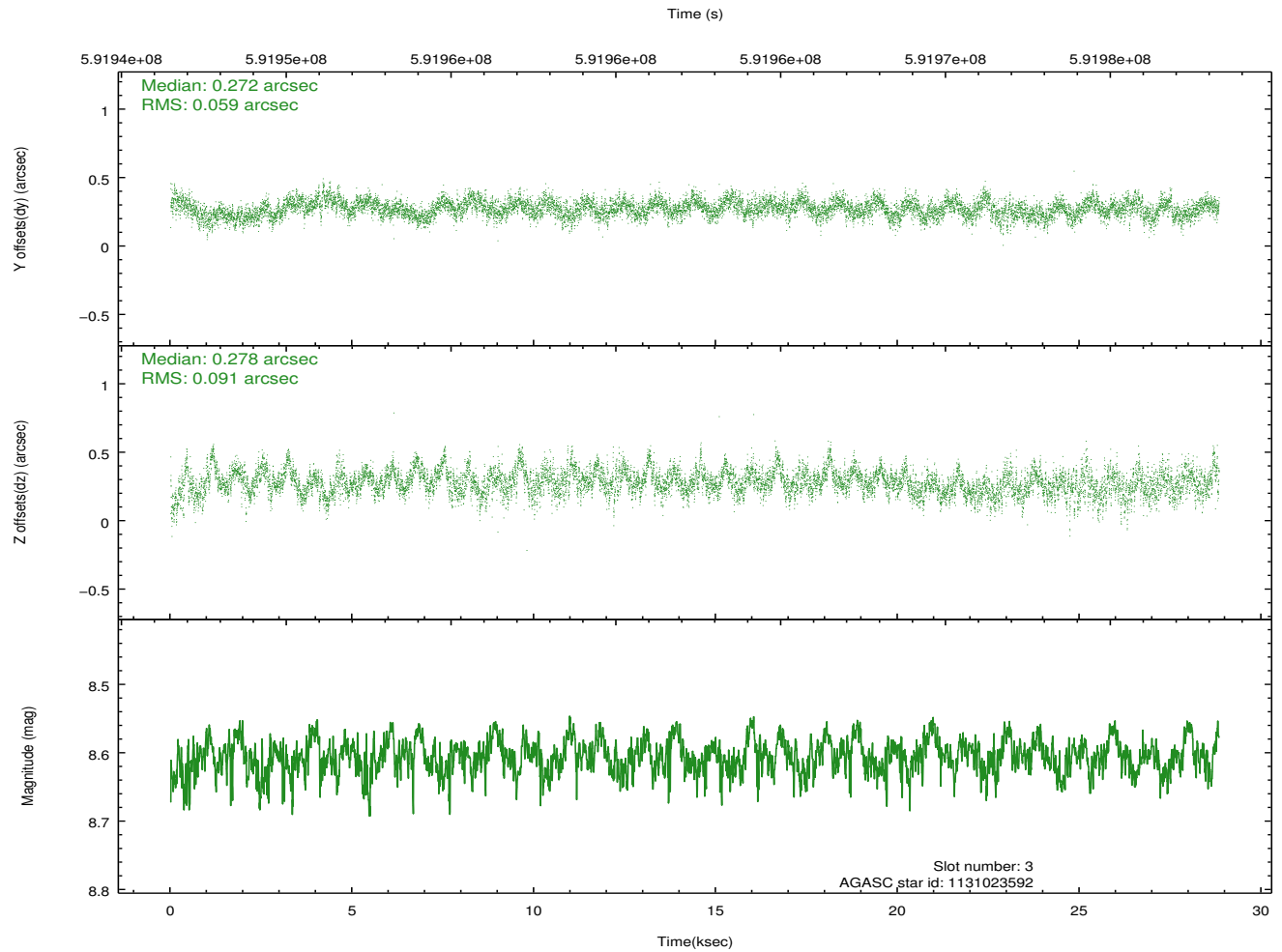
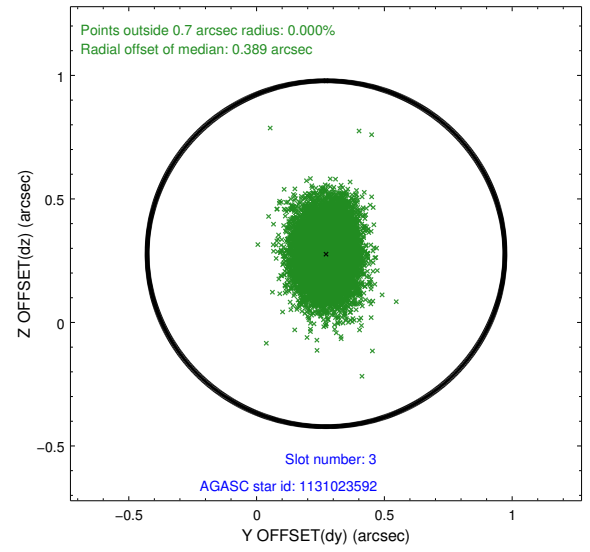
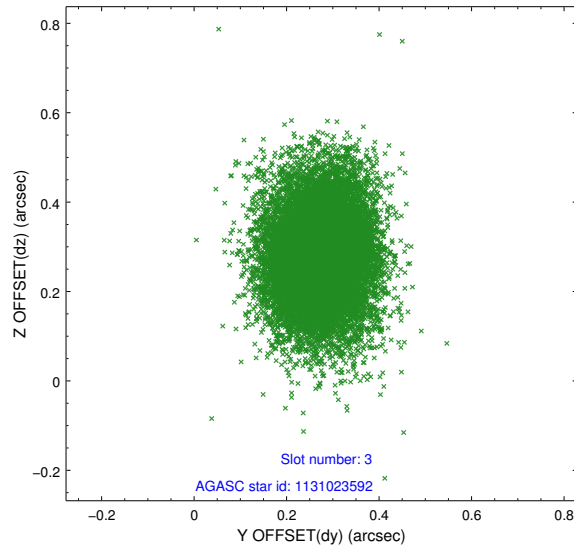


Slot Statistics

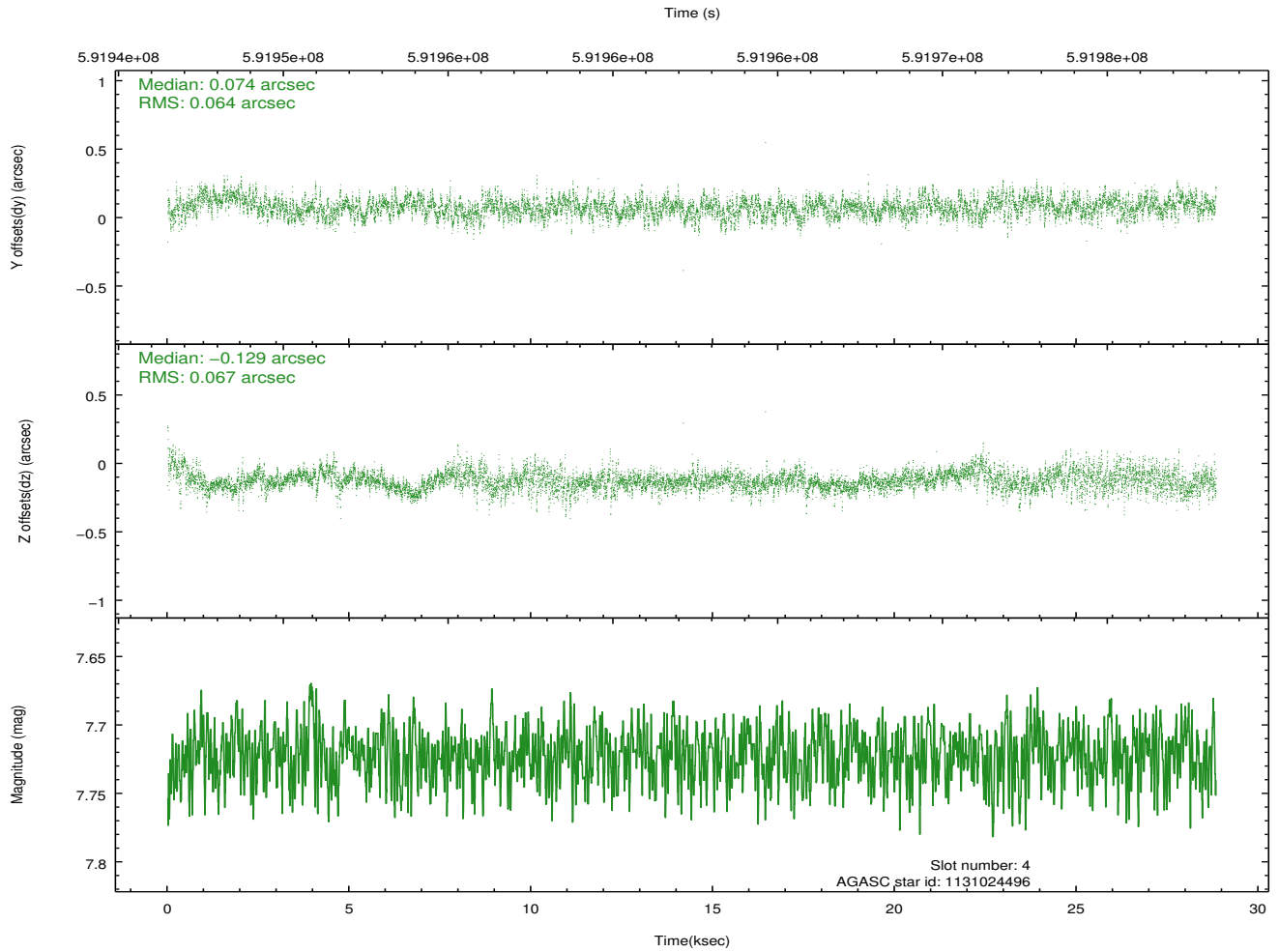
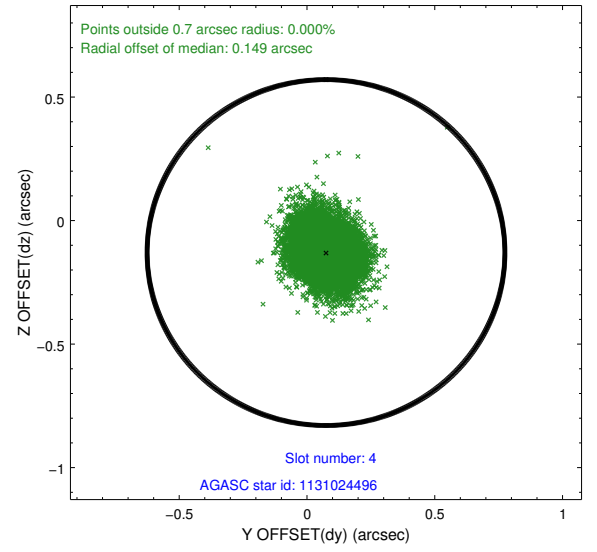
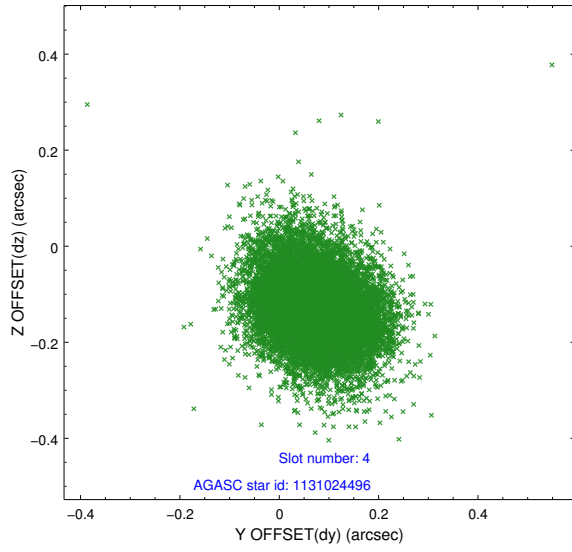
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.13	7033	0.084	-0.040	0.015	0.032	0.000000	0.000000	922.35	-845.72
1	FID		ACIS-I-5	7.12	7030	-0.350	0.047	0.009	0.014	0.000000	0.000000	-1826.20	1051.75
2	FID		ACIS-I-6	7.14	7033	0.174	0.062	0.016	0.032	0.000000	0.000000	387.83	1696.42
3	GUIDE	used	1131023592	8.61	14050	0.272	0.278	0.111	0.195	172.510288	-59.004302	-1665.91	-2016.71
4	GUIDE	used	1131024496	7.72	14063	0.074	-0.129	0.097	0.164	170.002192	-59.188051	2023.44	868.45
5	GUIDE	used	1131027296	7.51	14062	-0.351	-0.412	0.095	0.161	170.725176	-59.738880	-125.85	1899.03
6	GUIDE	used	1131027968	7.88	14060	-0.059	-0.000	0.094	0.158	170.695839	-58.906393	1436.48	-658.67
7	GUIDE	used	1131024656	8.90	14050	0.069	0.265	0.111	0.185	172.592368	-59.171017	-2088.16	-1563.96

2.4 Star Slots

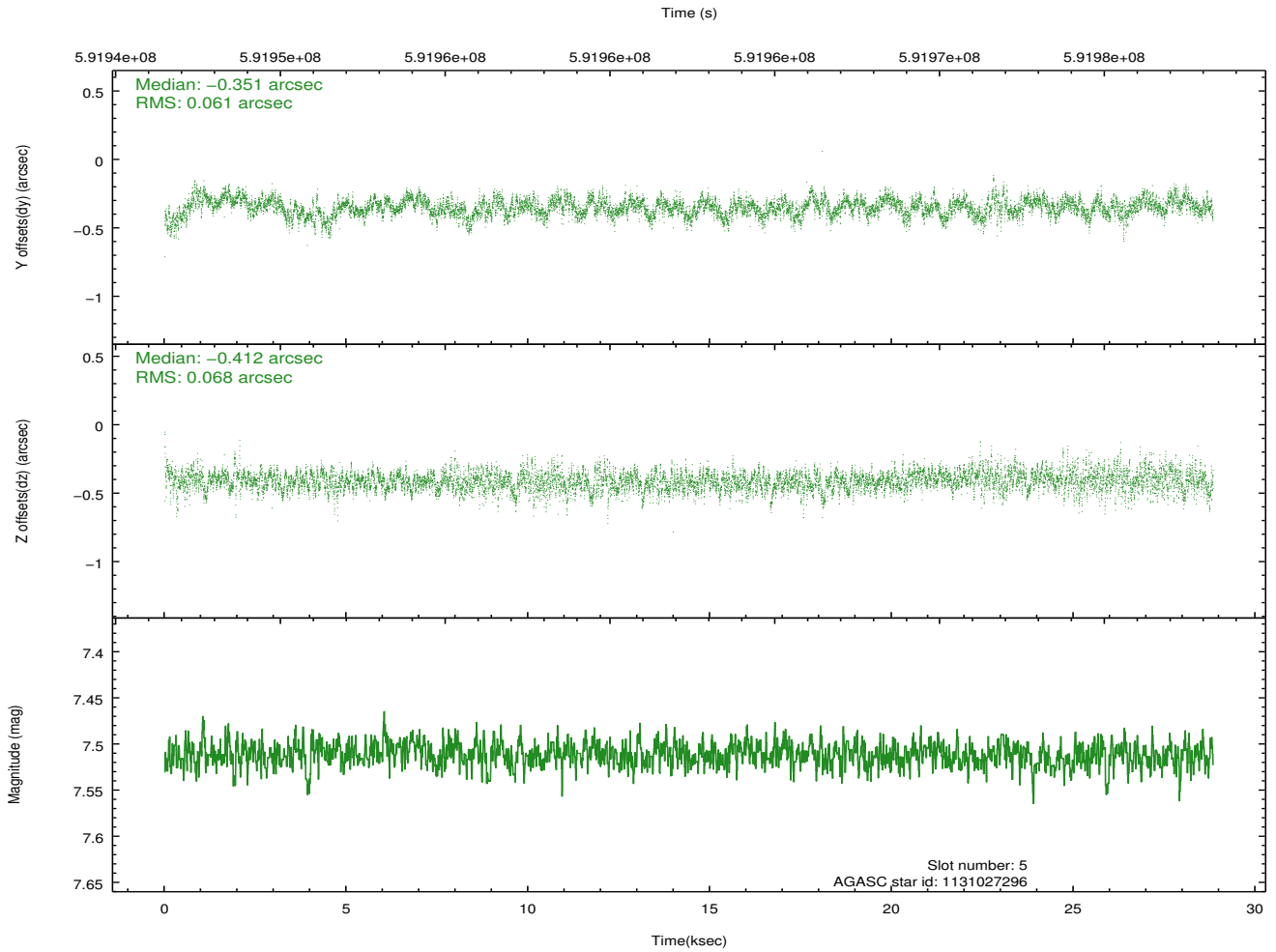
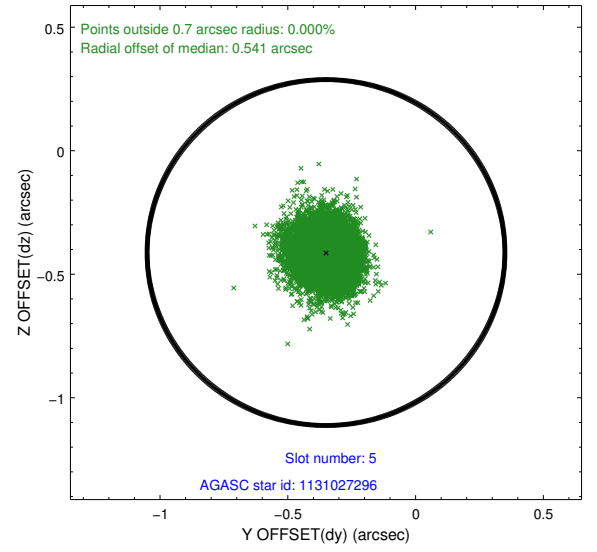
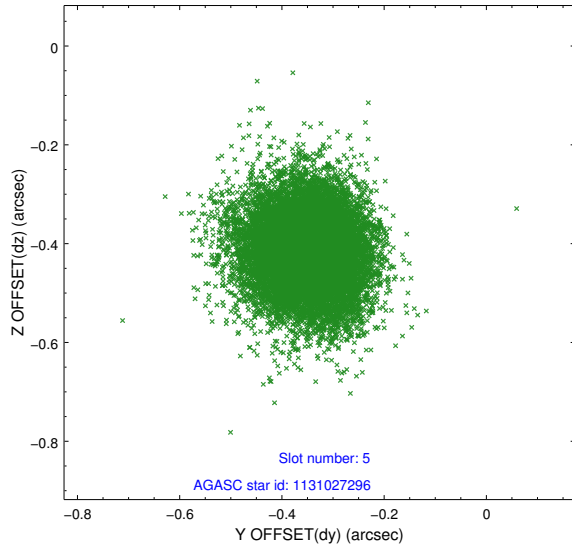
2.4.1 Slot 3



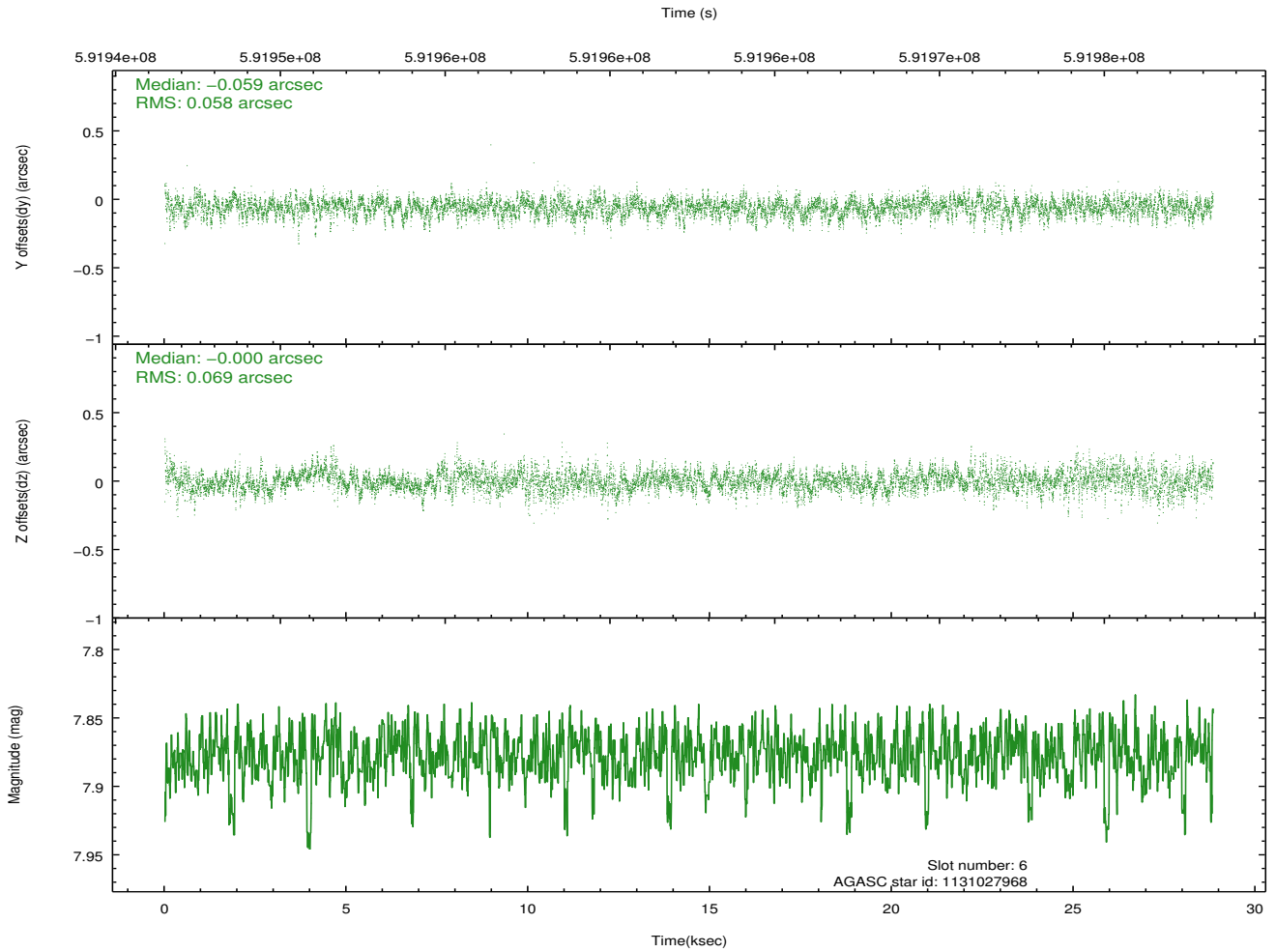
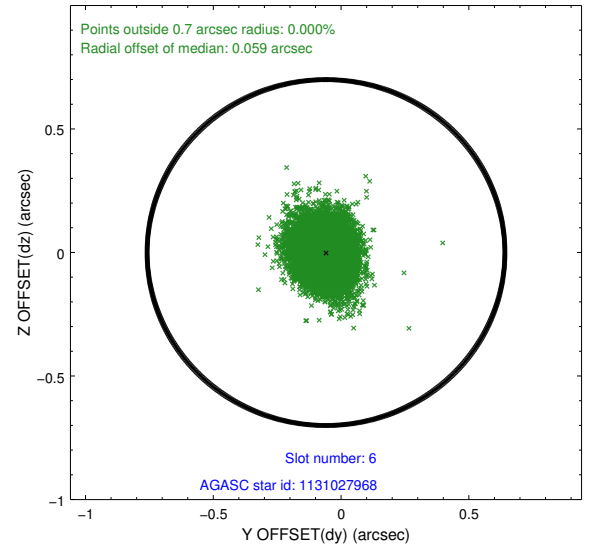
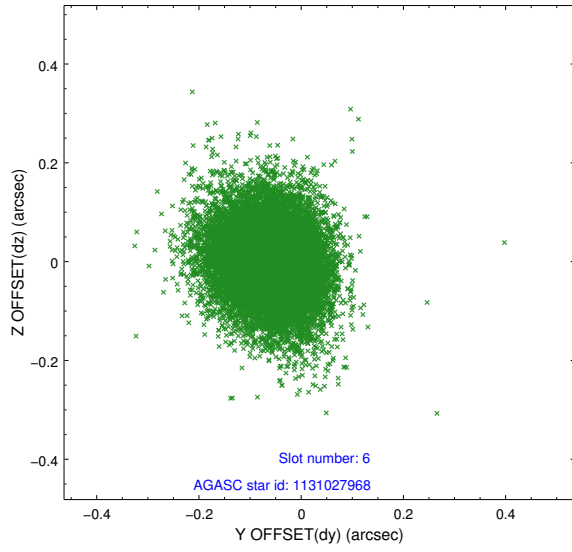
2.4.2 Slot 4



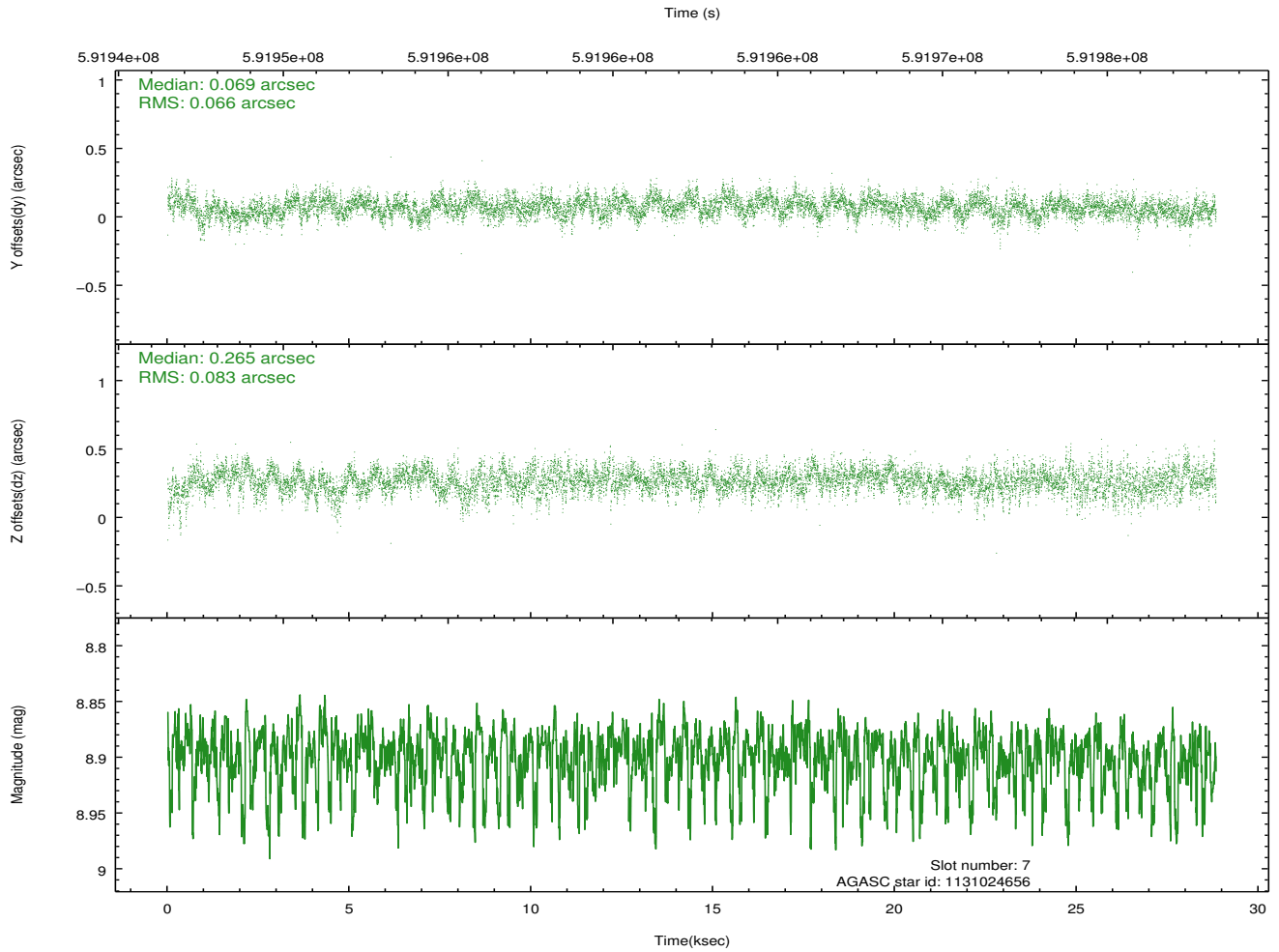
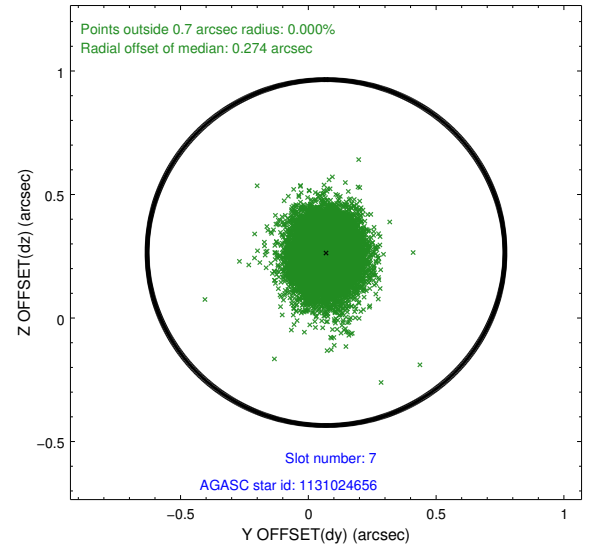
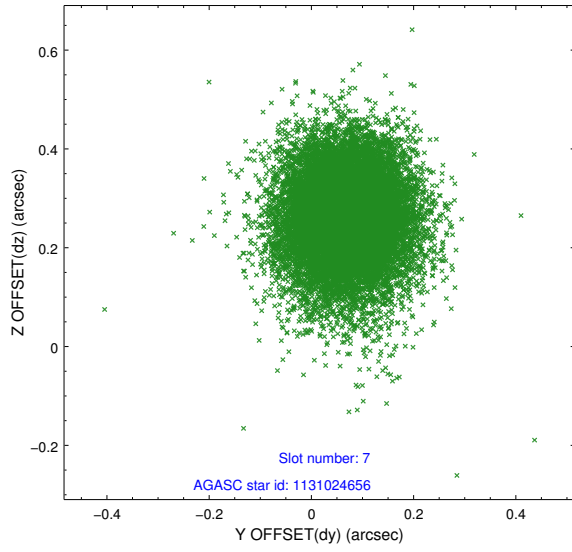
2.4.3 Slot 5



2.4.4 Slot 6

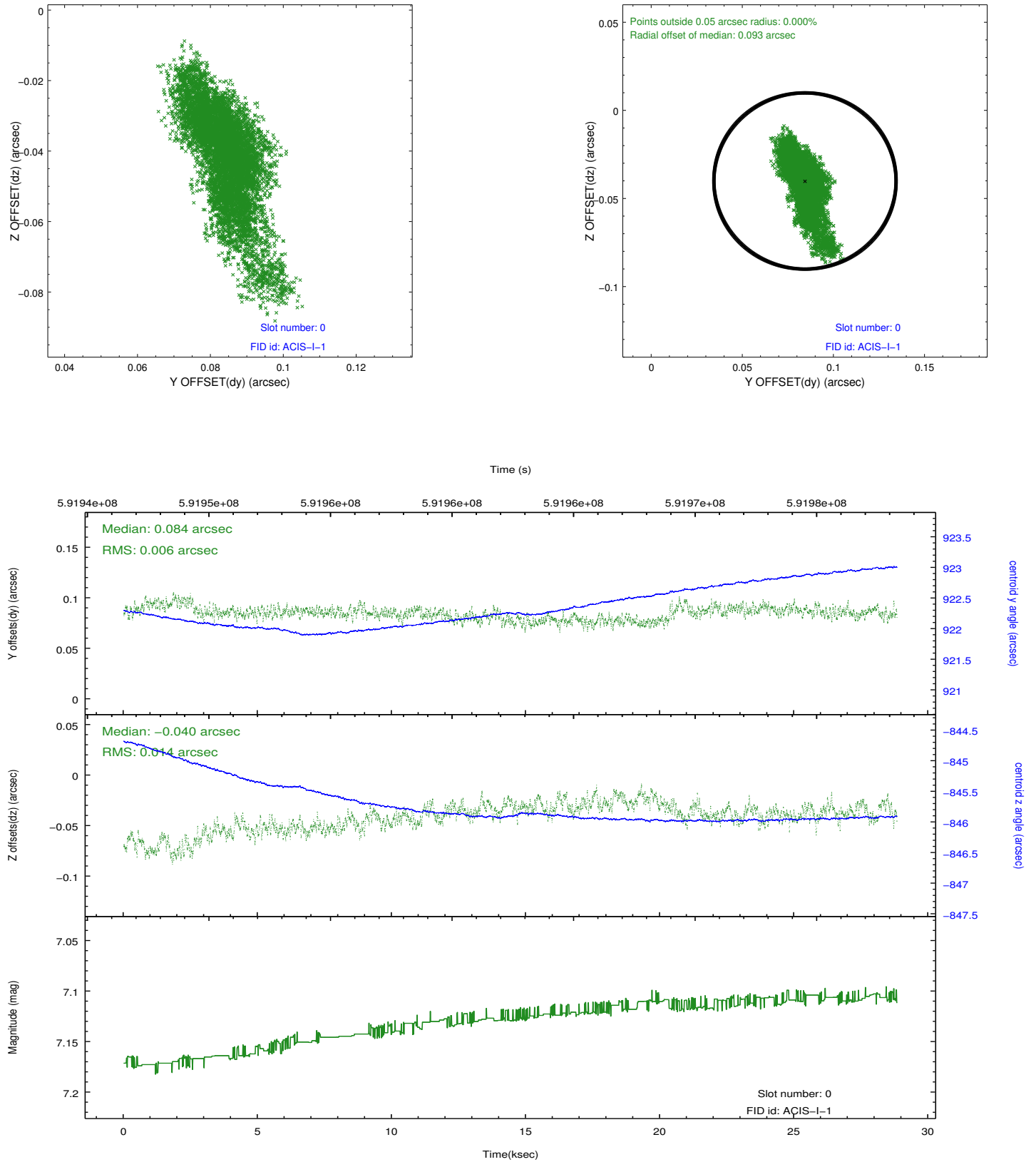


2.4.5 Slot 7

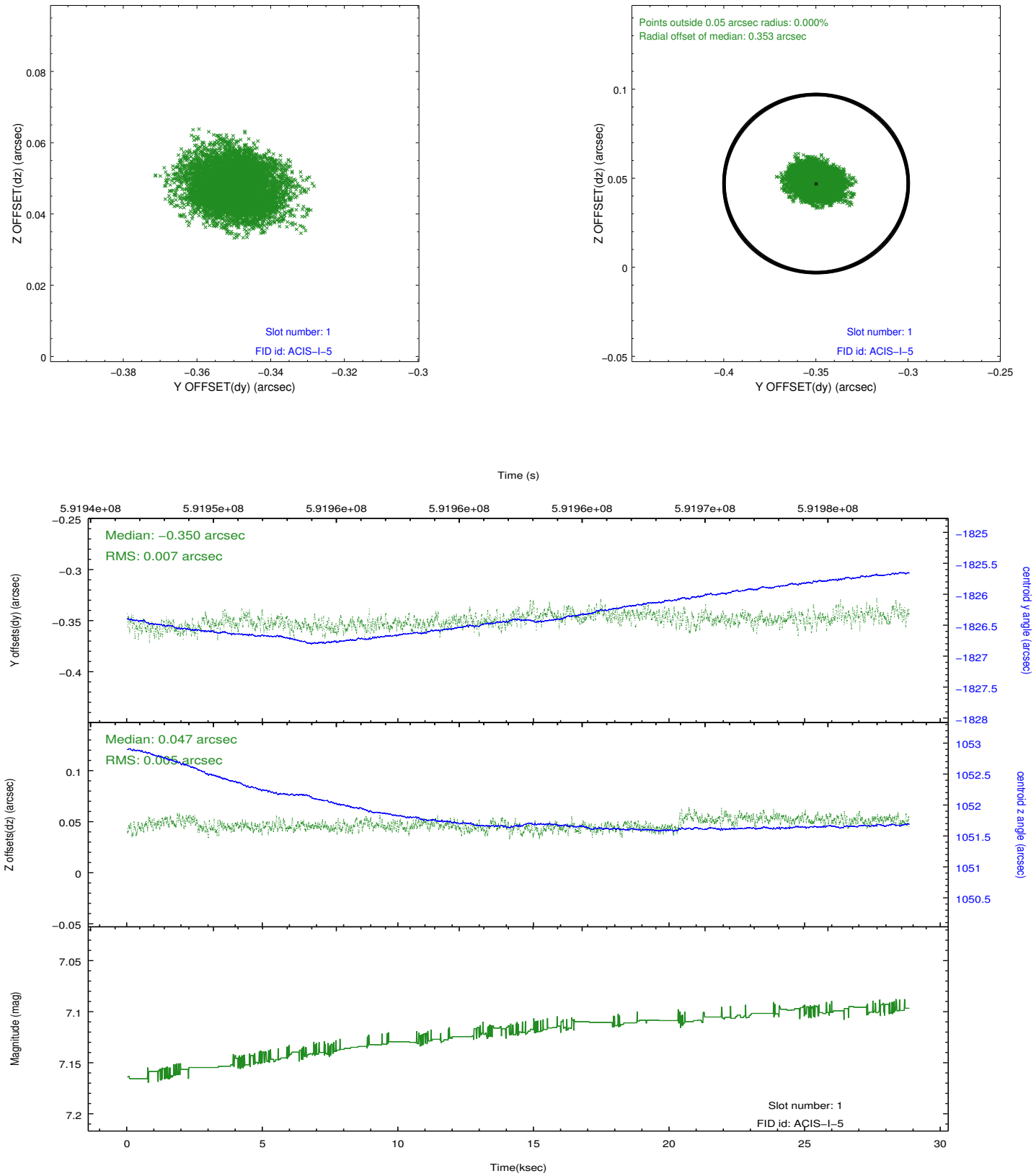


2.5 FID Slots

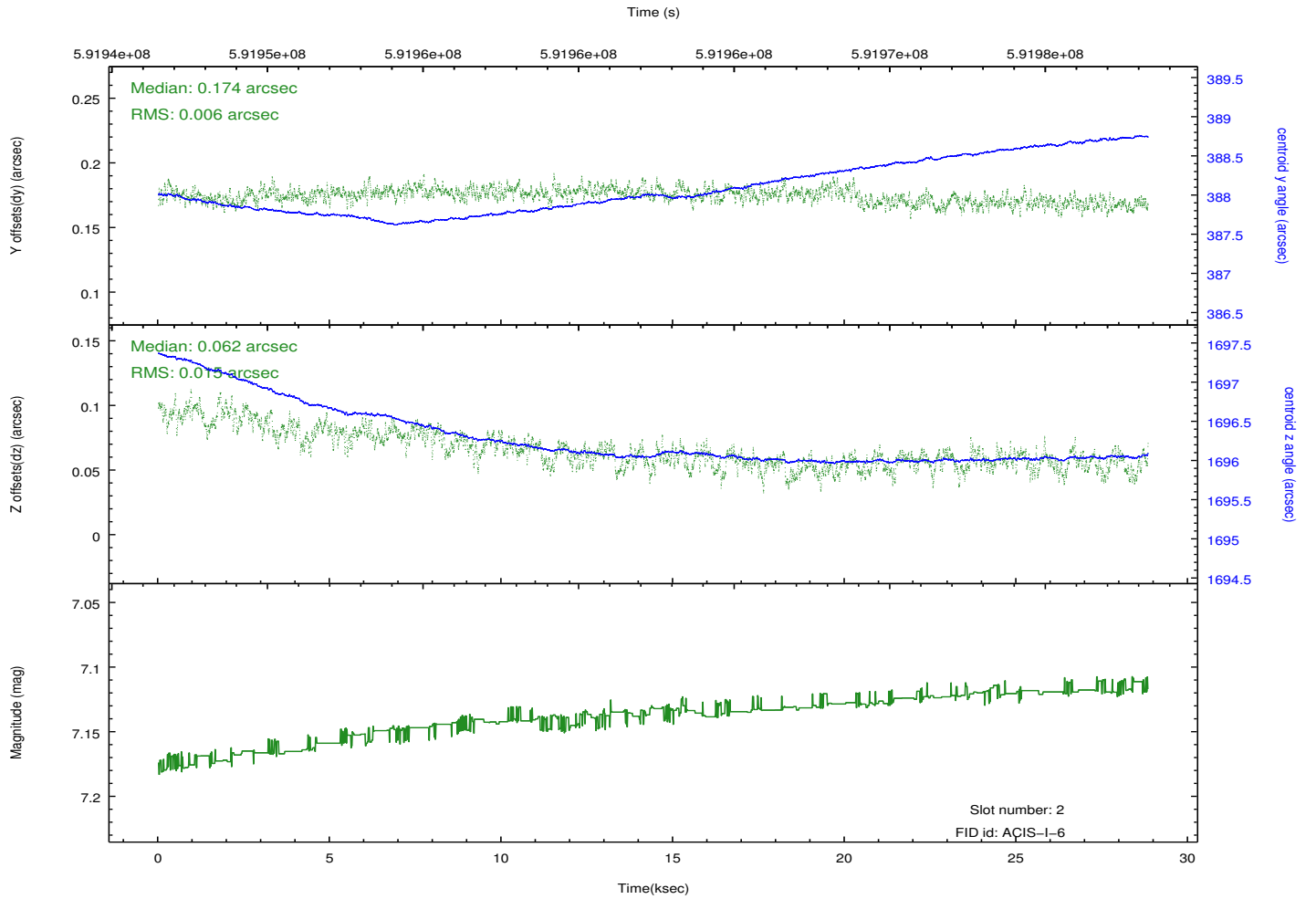
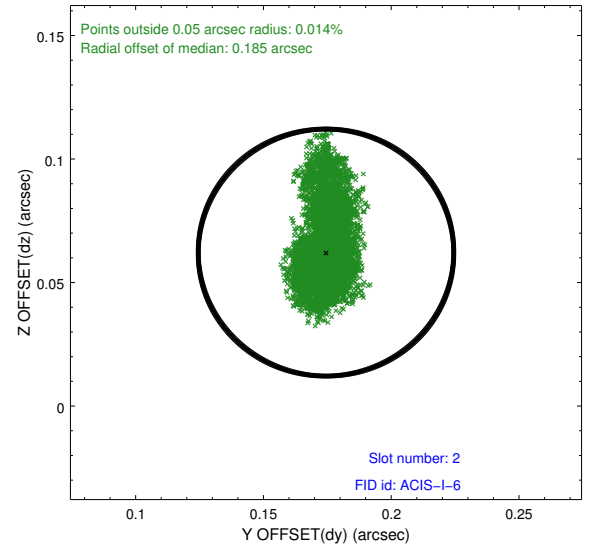
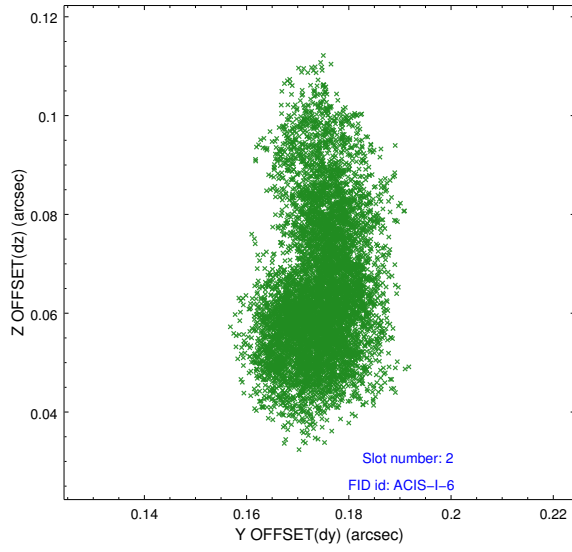
2.5.1 Slot 0



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)	2016.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.826900221825

A.2 Comments