

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18029 - L2 Version 1
Chandra X-Ray Center

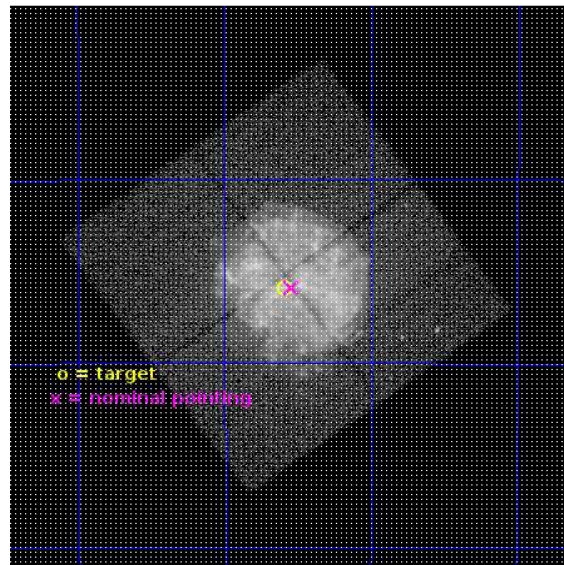
L2 Processing Date : Oct 12 2016

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1 Front

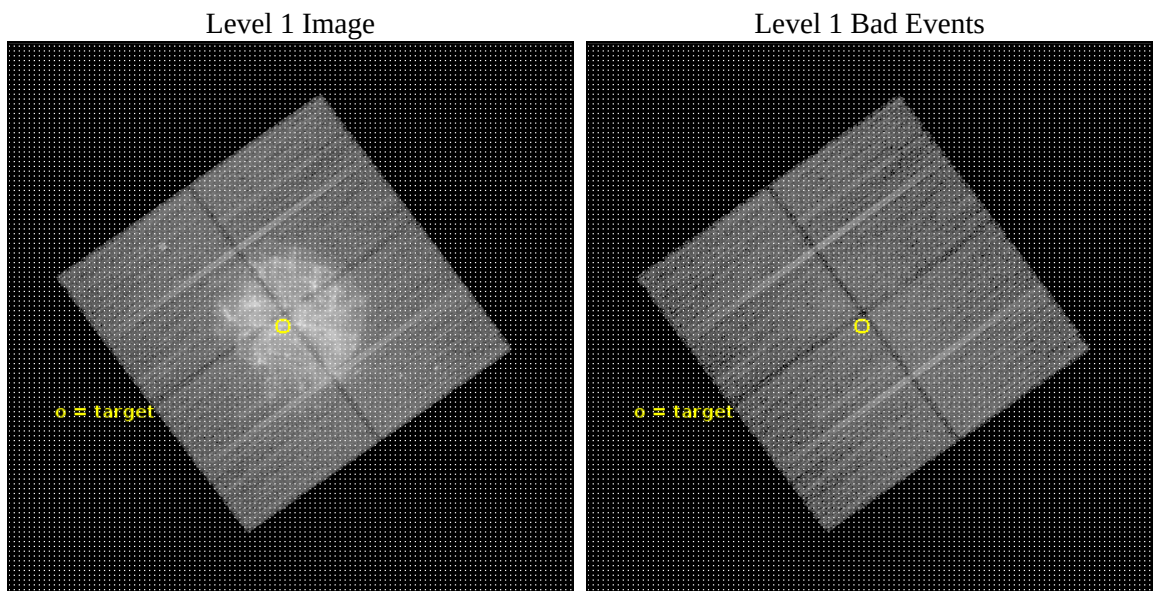
seq_num	502645	Sequence number
obs_id	18029	Observation id
title	Global Expansion and Internal Kinematics of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Kazimierz Borkowski	Principal investigator
object	G292.0+1.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.148542	Observer's specified target RA [deg]
dec_targ	-59.265661	Observer's specified target Dec [deg]
ra_nom	171.13597459329	Nominal RA [deg]
dec_nom	-59.264806310894	Nominal Dec [deg]
roll_nom	144.19788299712	Nominal Roll [deg]
revision	1	Processing version of data
ontime	38136.159323096	Sum of GTIs [s]
livetime	37637.882326108	Livetime [s]
ontime0	38139.300293446	Sum of GTIs [s]
ontime1	38133.018372893	Sum of GTIs [s]
ontime2	38139.300293446	Sum of GTIs [s]
ontime3	38136.159323096	Sum of GTIs [s]
l2events	794160	Number of level 2 events



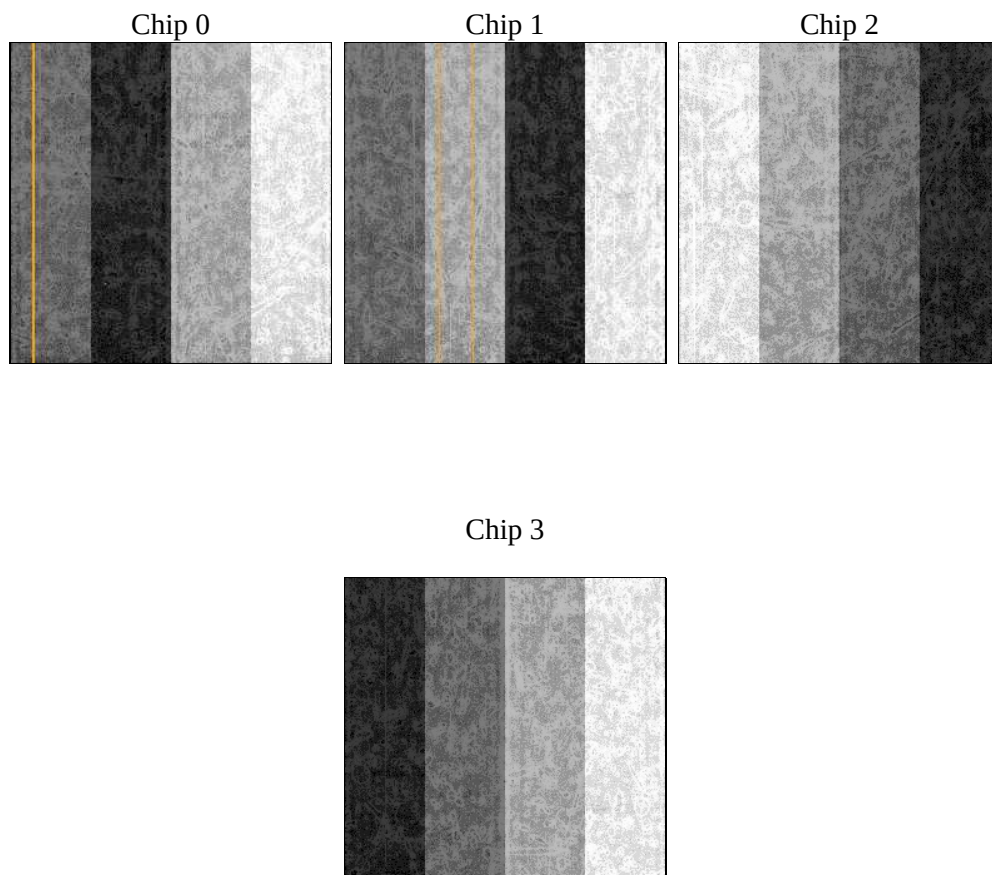
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38013.189000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	38136.159323096	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	38139.300293446	Sum of GTIs [s]
date	2016-10-13T02:44:09	Date and time of file creation	ontime1	38133.018372893	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	38139.300293446	Sum of GTIs [s]
			ontime3	38136.159323096	Sum of GTIs [s]
			l1events	1579454	Number of level 1 events

2.1.4 Events

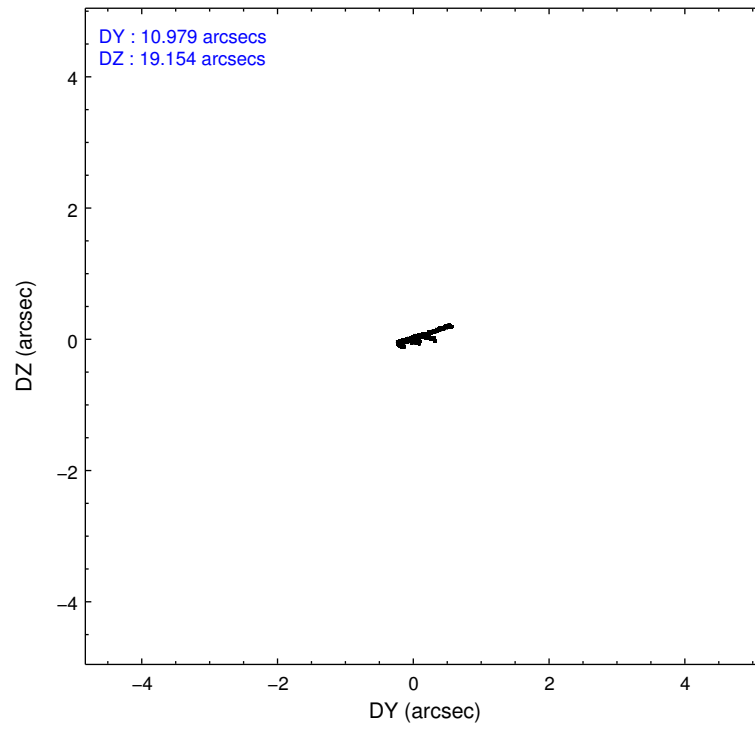
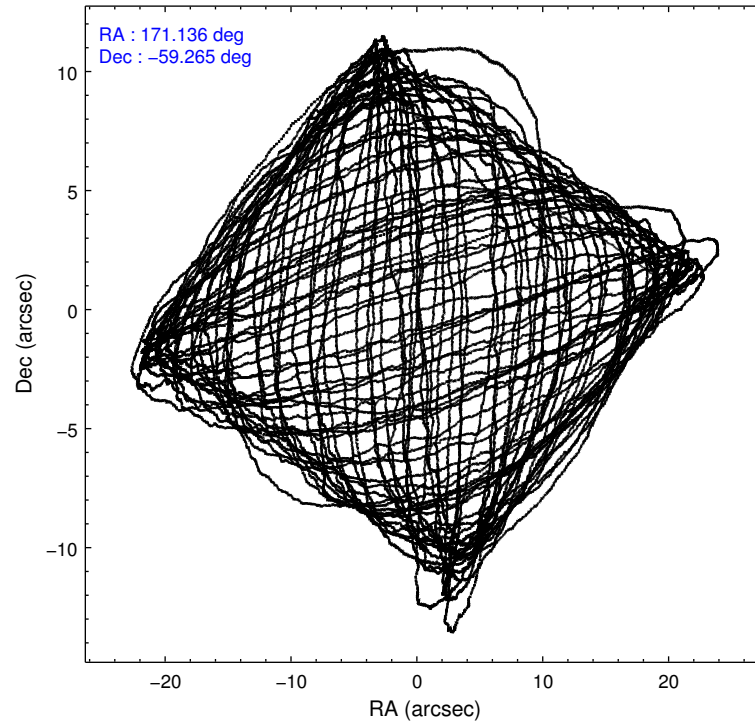
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	321048	344887	520938	392581
rejected events	166661	169845	204967	180891
rejected %	51%	49%	39%	46%

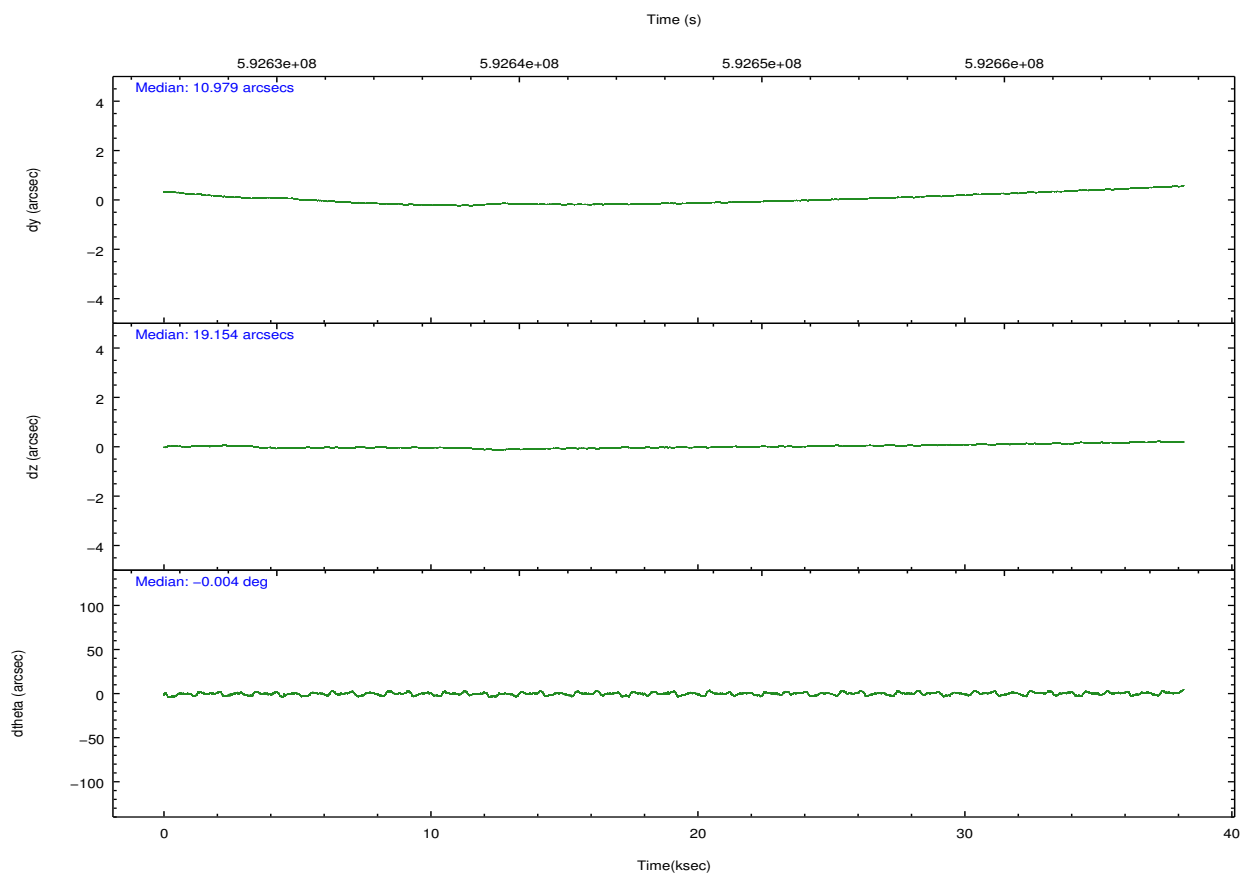
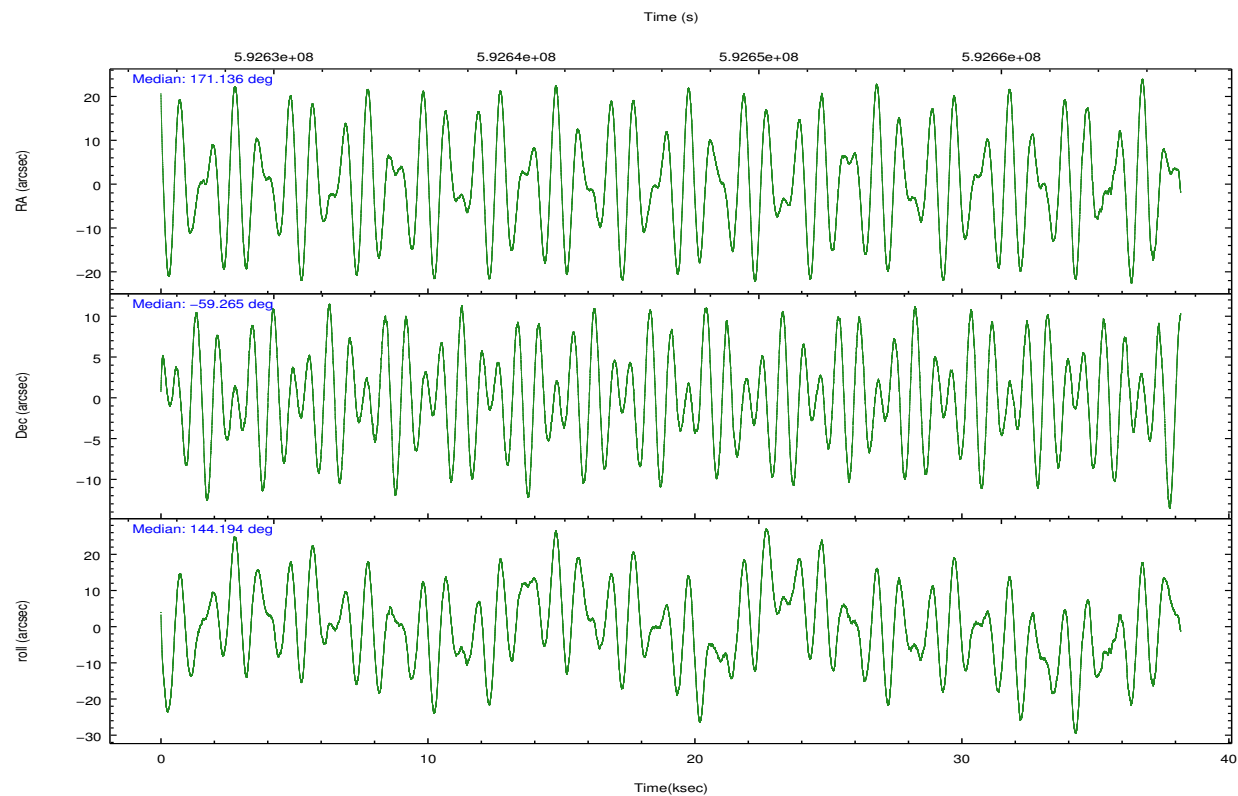
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	122509	140232	264201	172917
	38%	40%	50%	44%
grade 1 events	676	685	1496	1053
	0%	0%	0%	0%
grade 2 events	17207	18565	29407	20545
	5%	5%	5%	5%
grade 3 events	5055	5582	8281	6355
	1%	1%	1%	1%
grade 4 events	4945	5321	8176	6331
	1%	1%	1%	1%
grade 5 events	4904	5495	4934	5924
	1%	1%	0%	1%
grade 6 events	4682	5368	5966	5578
	1%	1%	1%	1%
grade 7 events	161070	163639	198477	173878
	50%	47%	38%	44%

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	171.189740	171.1359745932945	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.267482	-59.2648063108939	Alternating exposures requested	N	N
[deg] Pointing Roll	144.035409	144.1978829971238	[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)	592627445.184000	592626227.14731			
Observation start date	2016-10-12T02:42:57	2016-10-12T02:23:47			
[s] Observation end time (MET)	592665459.184000	592665693.23709			
Observation end date	2016-10-12T13:16:31	2016-10-12T13:21:33			
Read mode	TIMED	TIMED			

2.3 Aspect



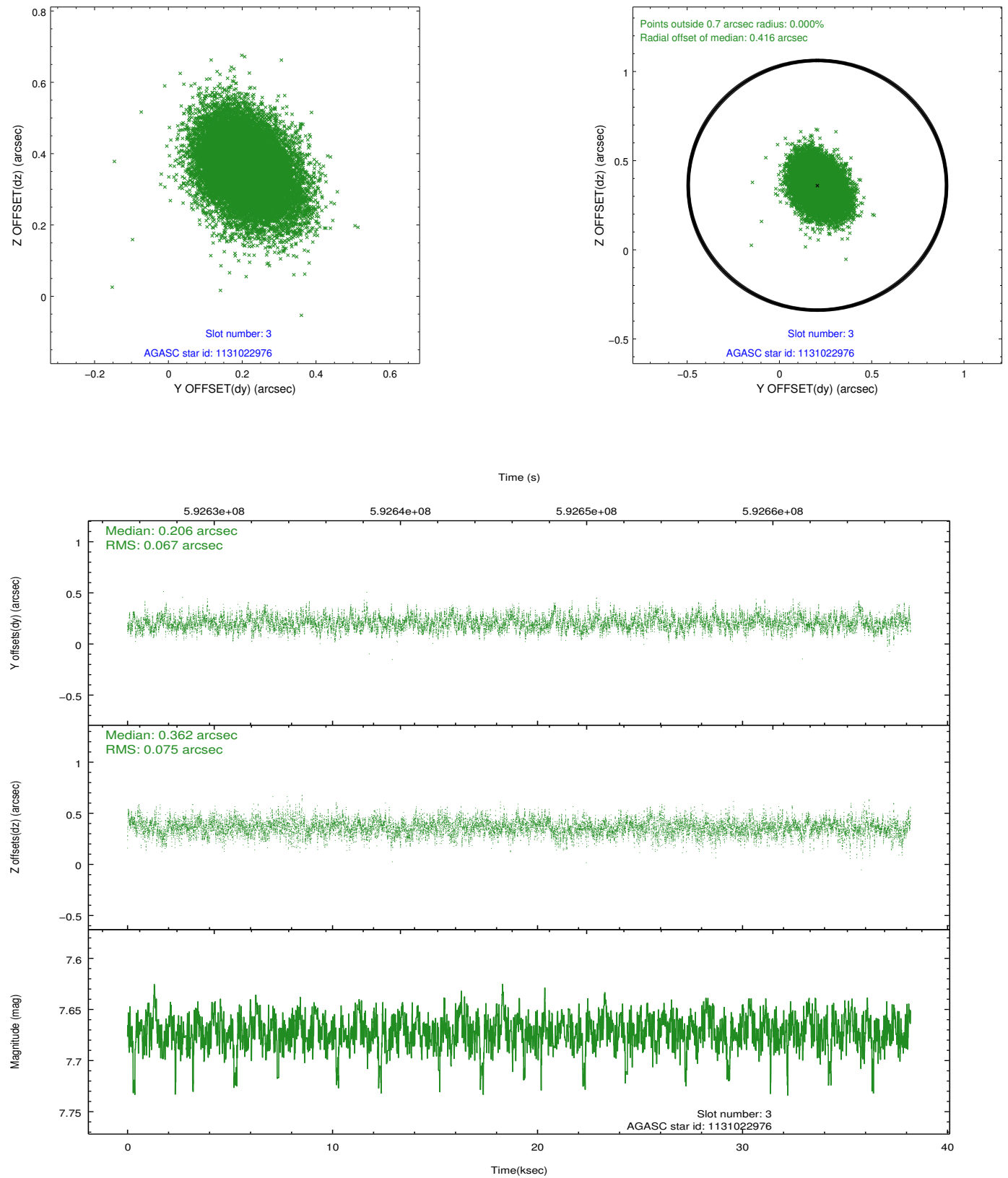


Slot Statistics

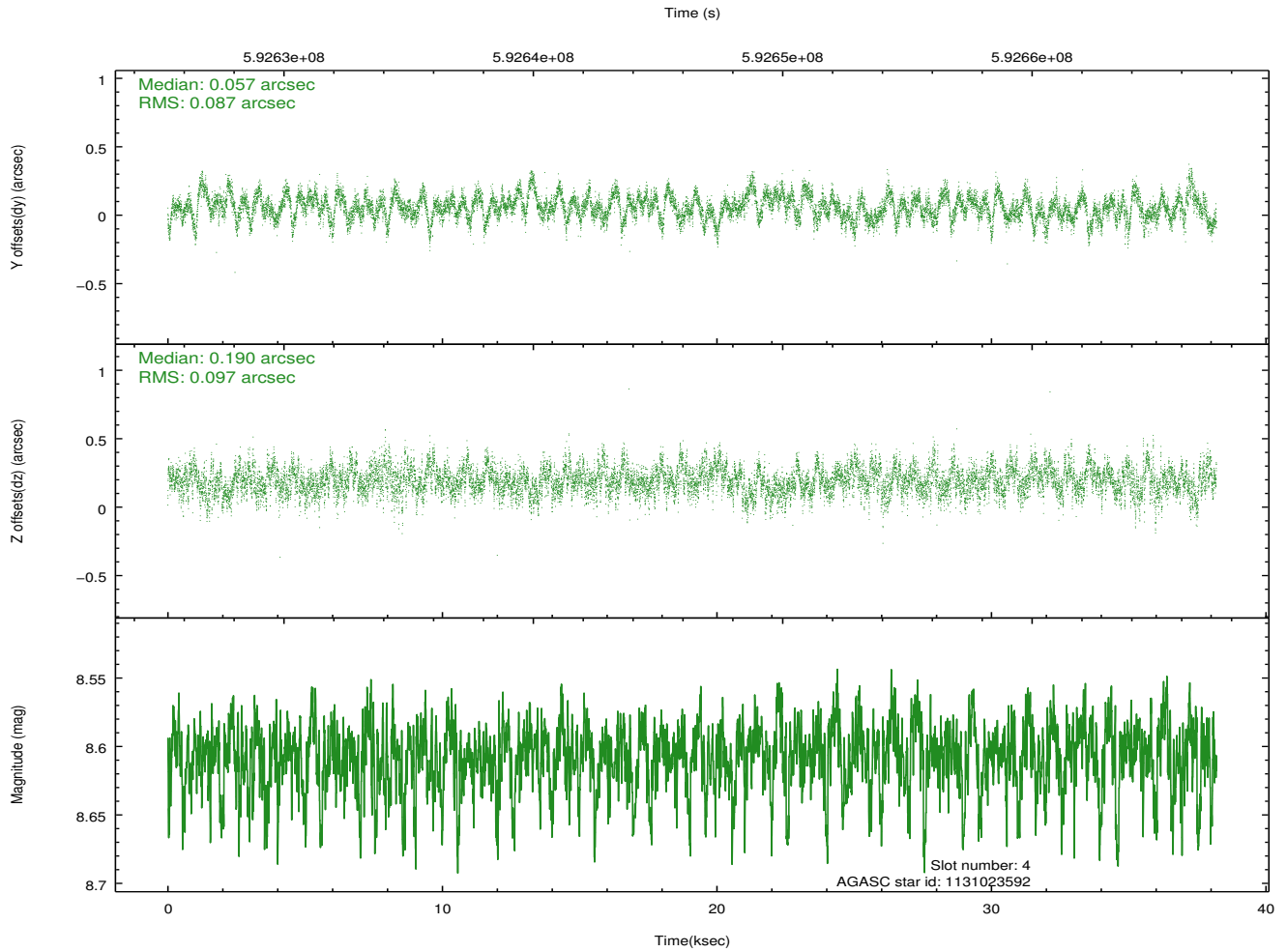
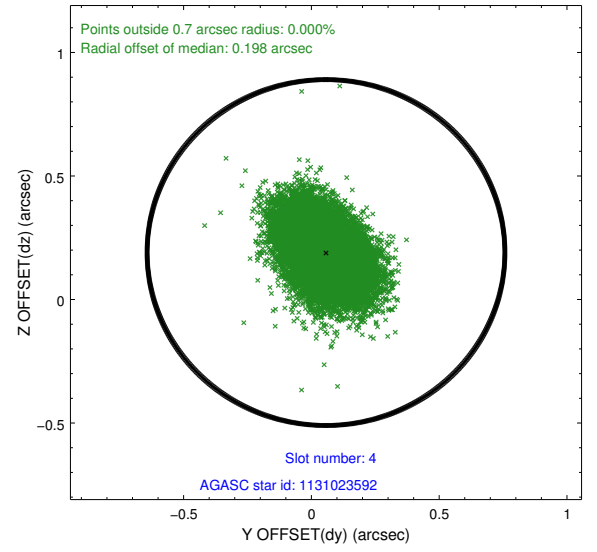
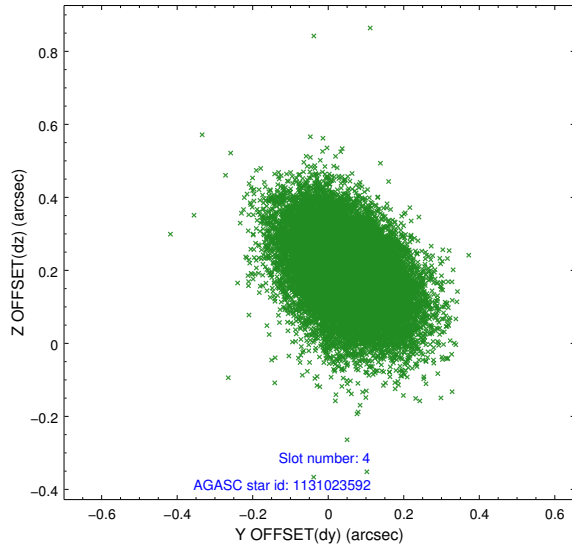
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.09	9317	0.040	0.013	0.014	0.023	0.000000	0.000000	928.61	-842.84
1	FID		ACIS-I-5	7.08	9317	-0.266	0.035	0.015	0.022	0.000000	0.000000	-1819.86	1054.55
2	FID		ACIS-I-6	7.09	9317	0.135	0.024	0.016	0.026	0.000000	0.000000	394.13	1699.16
3	GUIDE	used	1131022976	7.67	18634	0.206	0.362	0.104	0.177	171.601311	-59.282289	-644.65	-398.93
4	GUIDE	used	1131023592	8.61	18619	0.057	0.190	0.136	0.231	172.510288	-59.004302	-1438.70	-2184.68
5	GUIDE	used	1131024496	7.72	18631	0.039	-0.090	0.105	0.185	170.002192	-59.188051	1929.07	1070.49
6	GUIDE	used	1131027296	7.51	18632	-0.303	-0.347	0.117	0.196	170.725176	-59.738880	-316.19	1870.78
7	GUIDE	used	1131025432	8.93	18621	0.000	-0.115	0.124	0.209	171.164117	-58.617489	1413.62	-1865.46

2.4 Star Slots

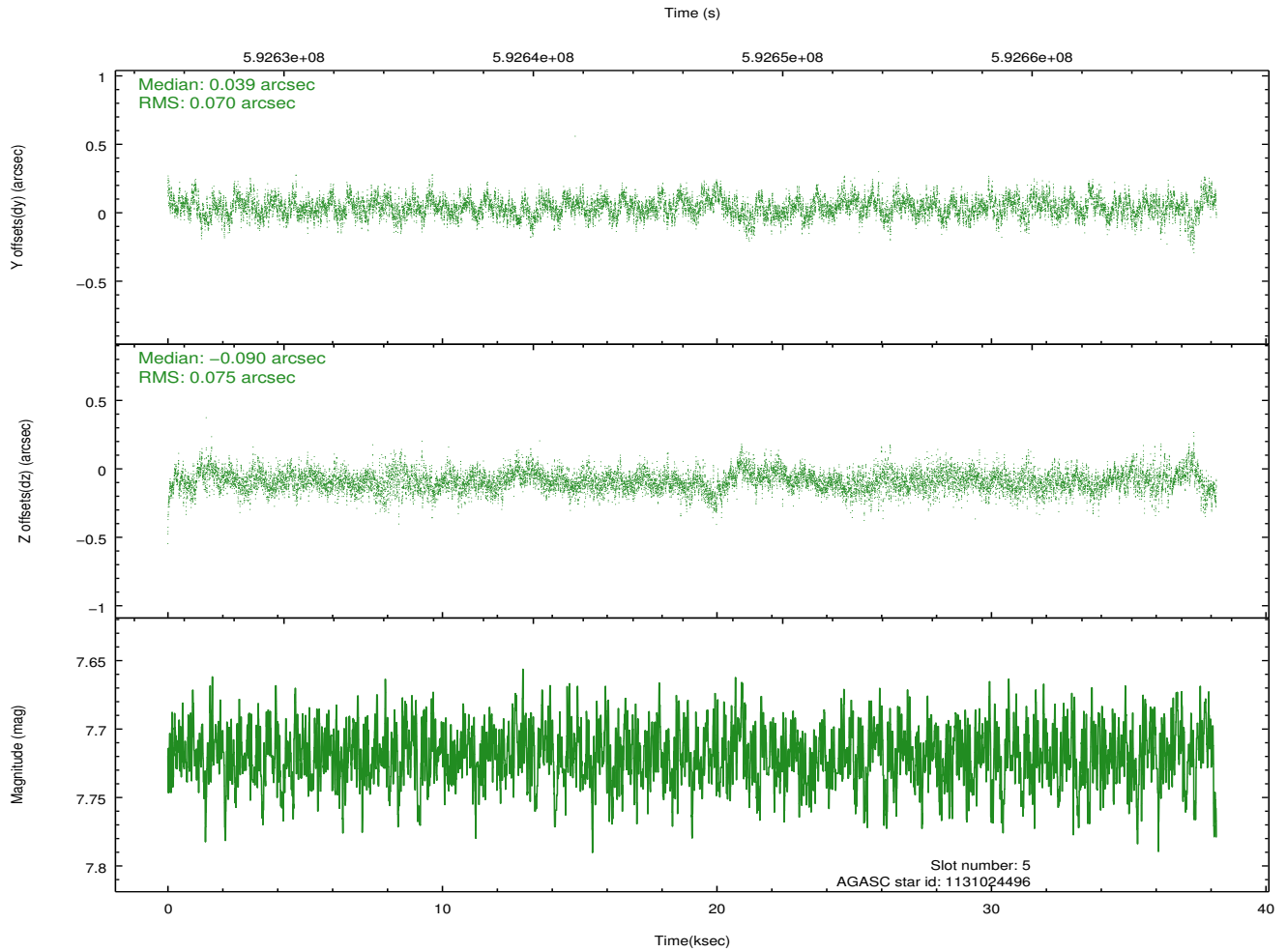
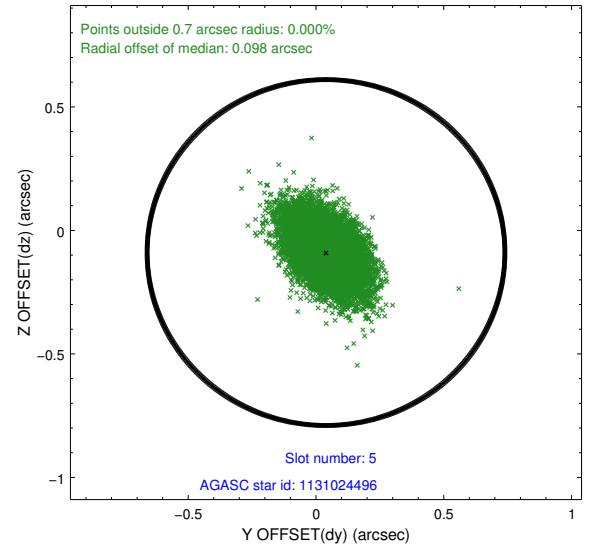
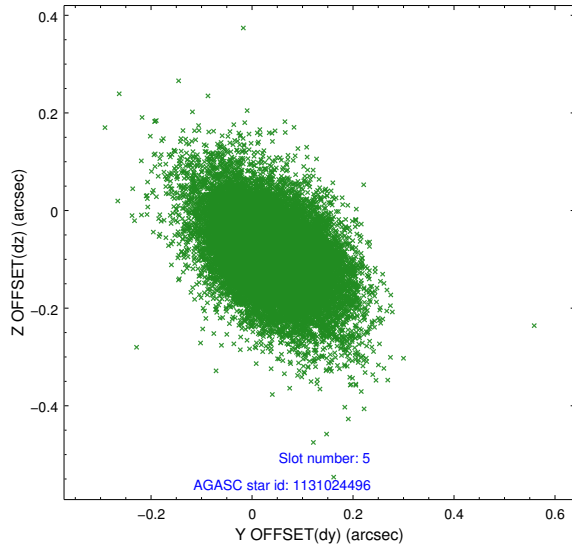
2.4.1 Slot 3



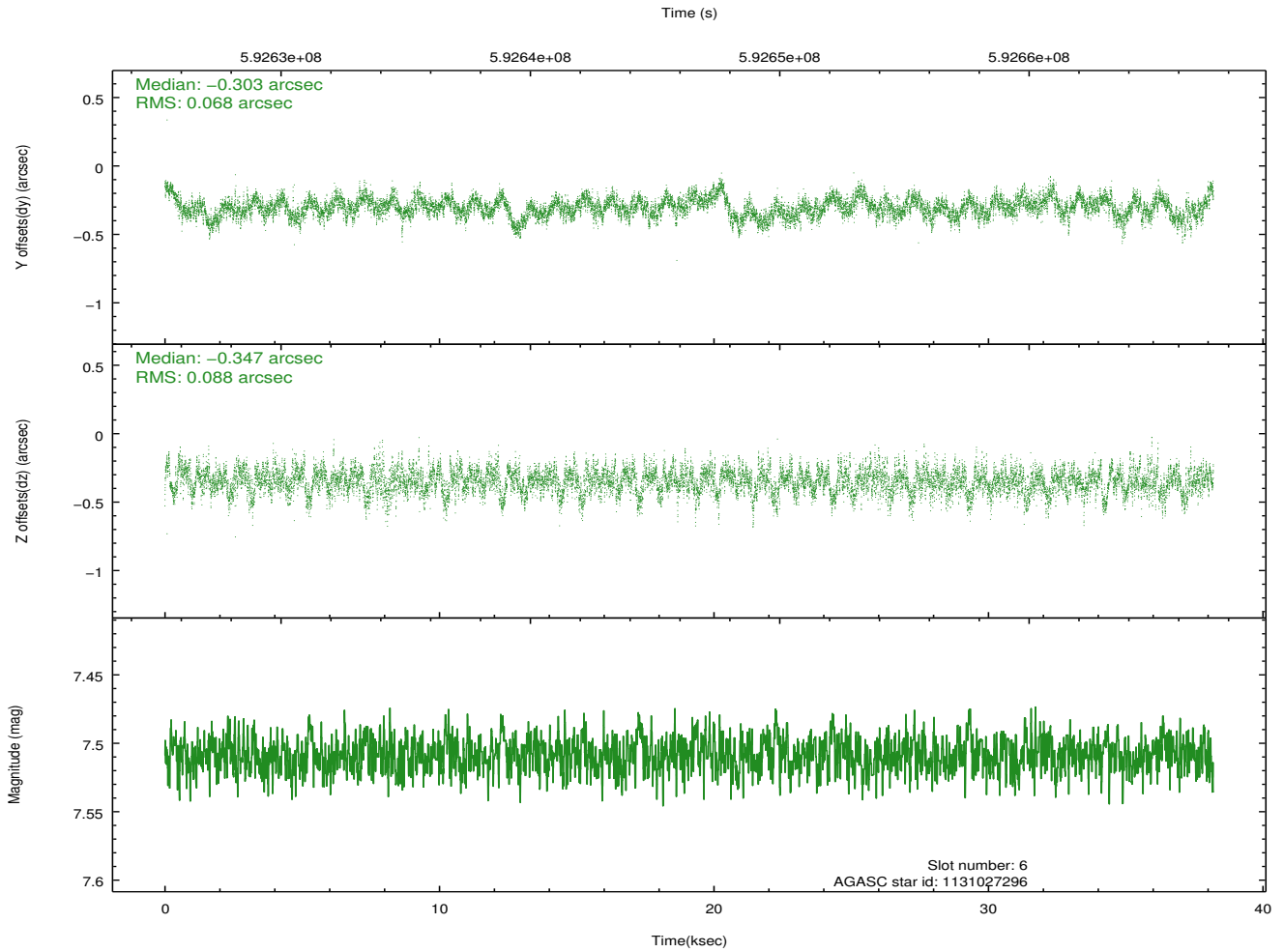
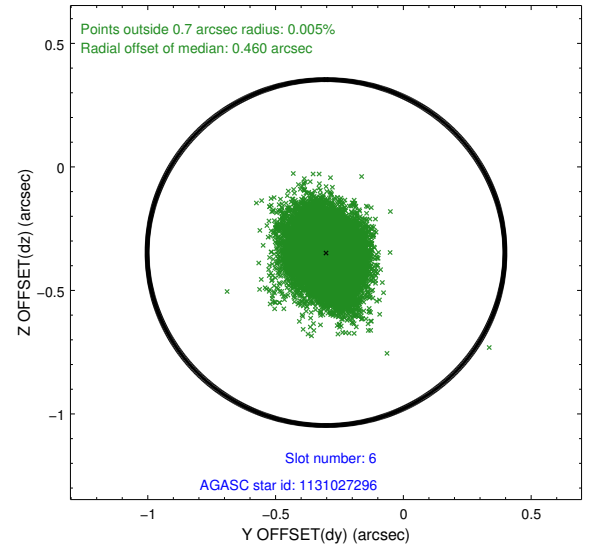
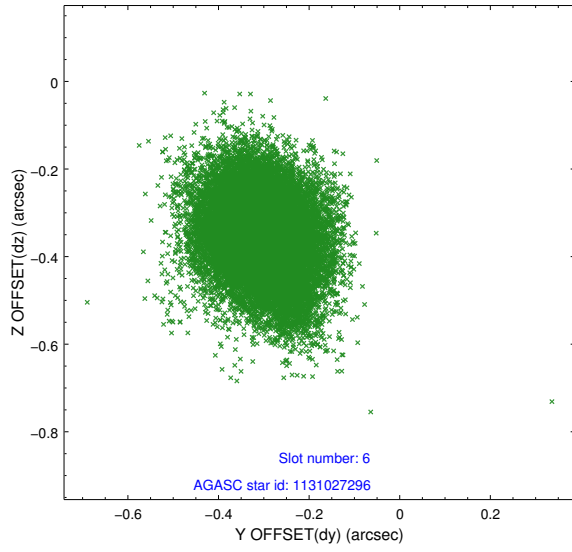
2.4.2 Slot 4



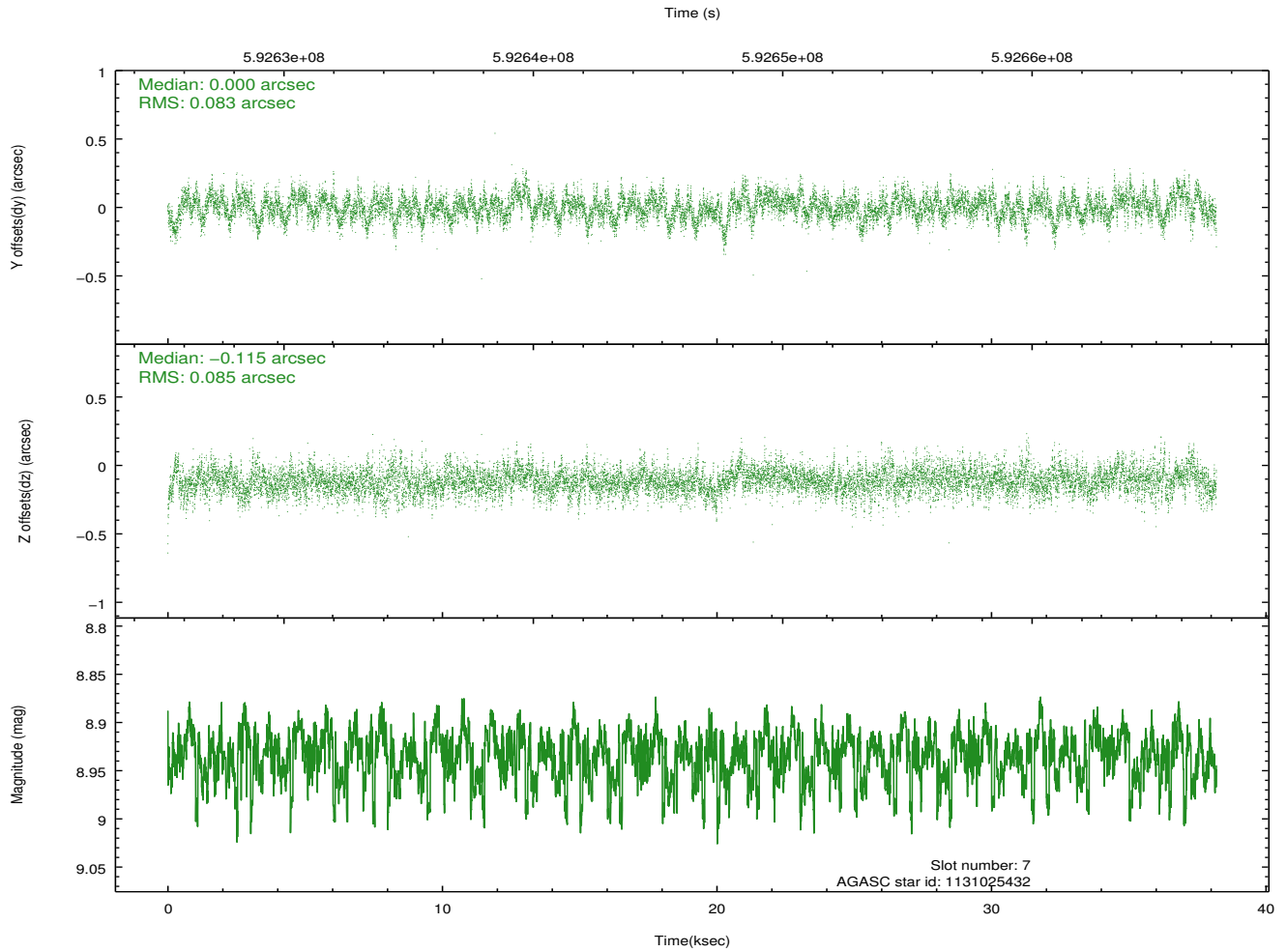
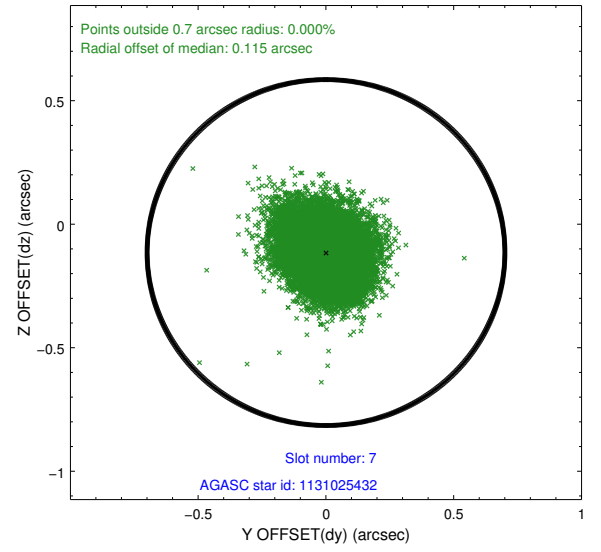
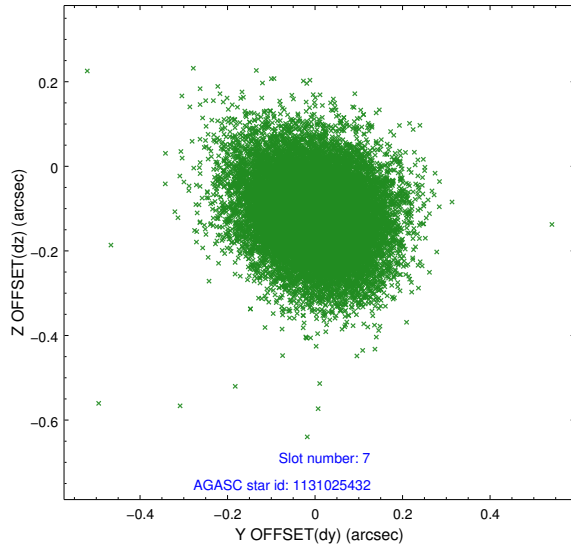
2.4.3 Slot 5



2.4.4 Slot 6

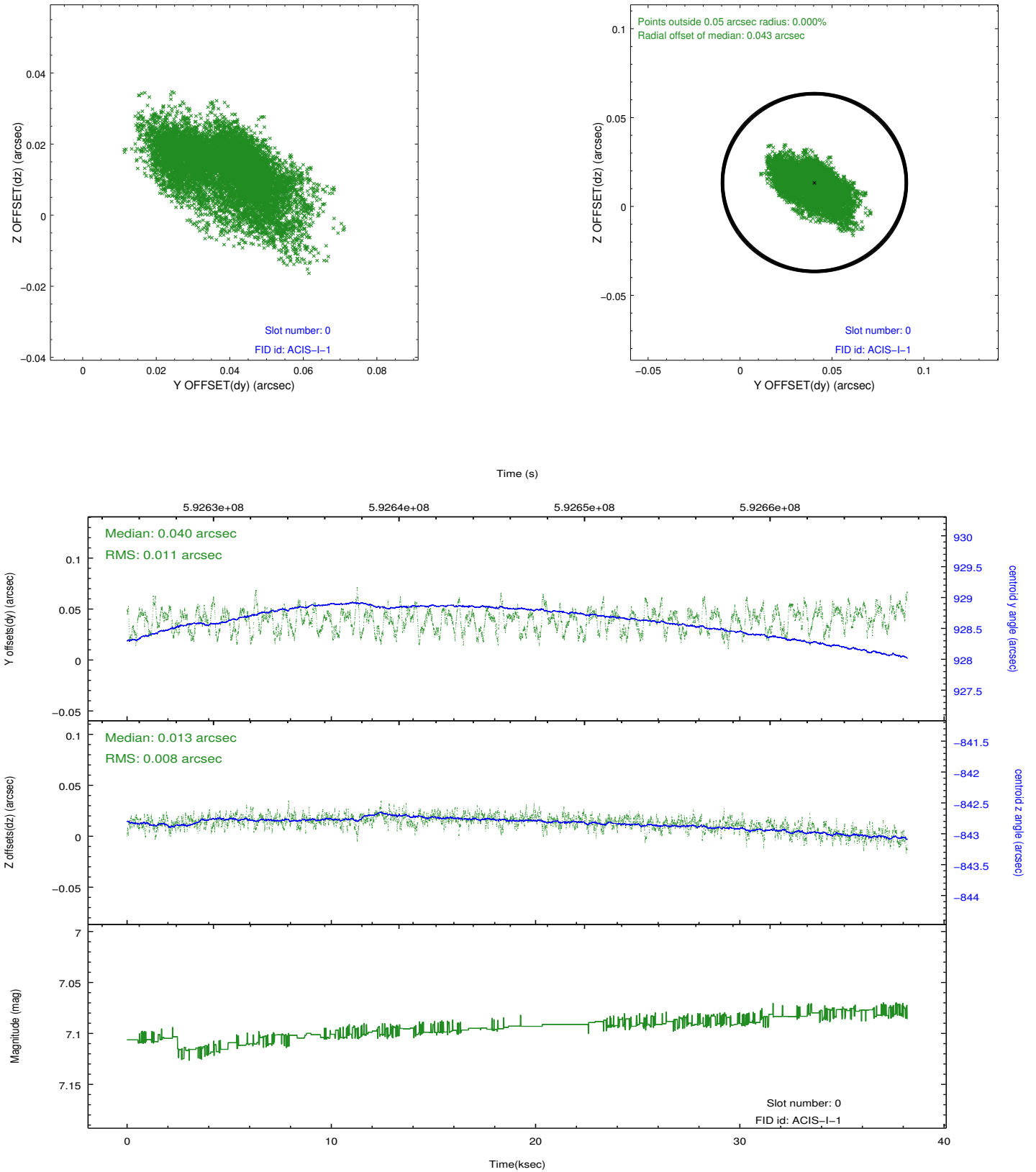


2.4.5 Slot 7

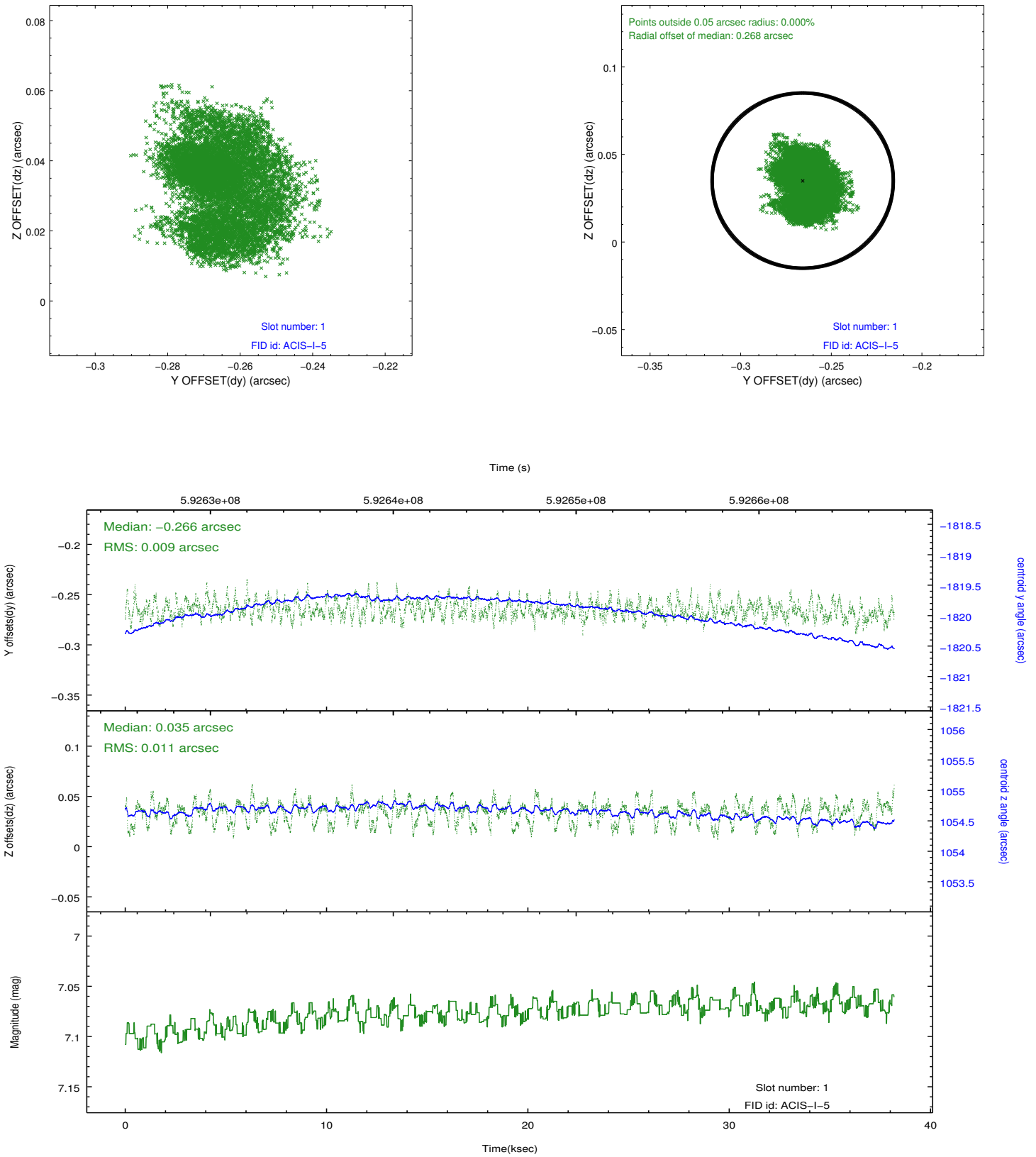


2.5 FID Slots

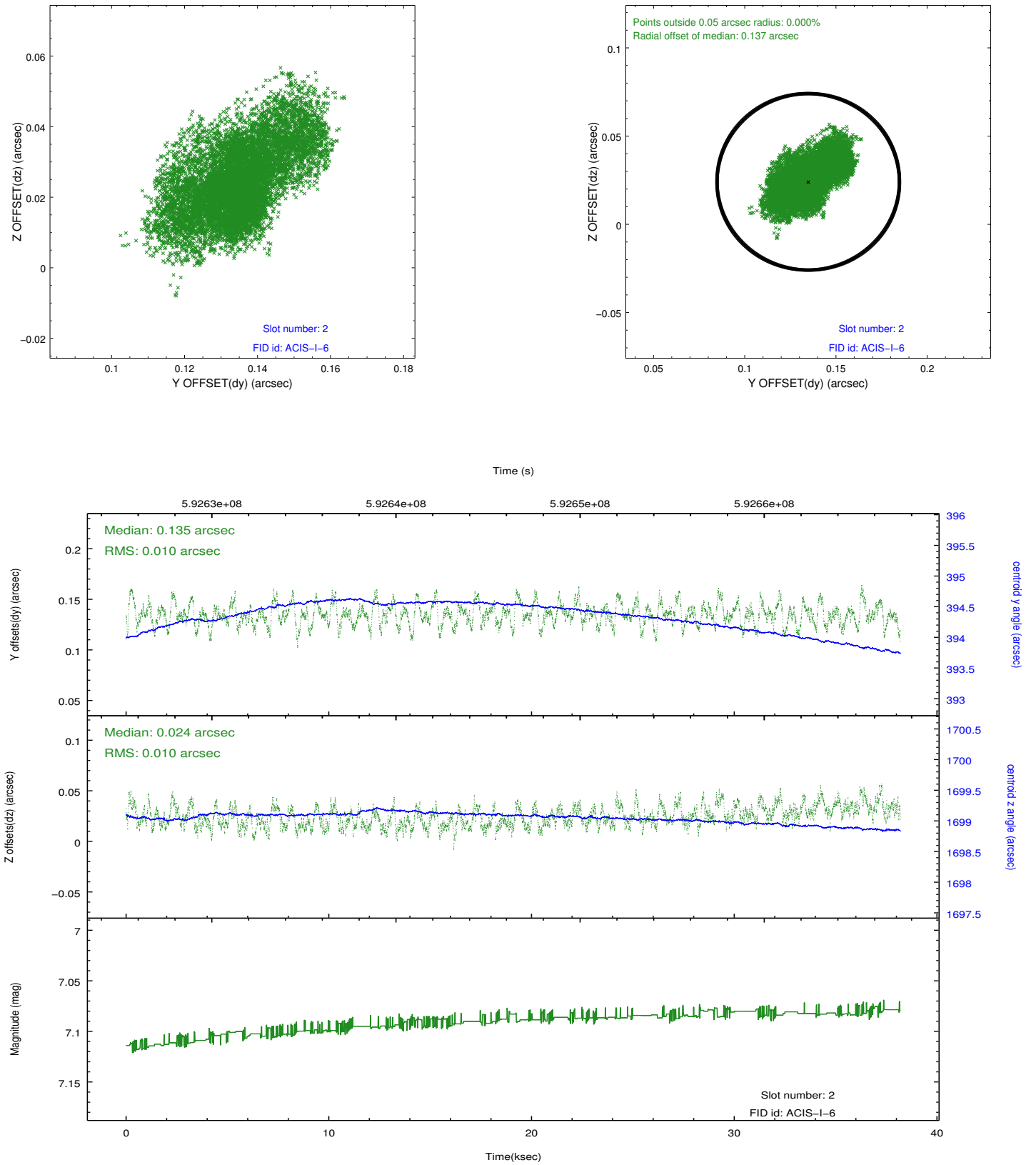
2.5.1 Slot 0



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)	2016.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.136159323096

A.2 Comments