

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 19894 - L2 Version 1
Chandra X-Ray Center

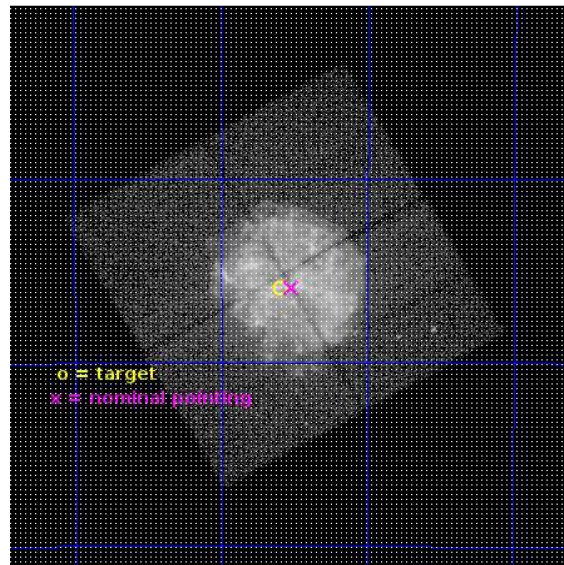
L2 Processing Date : Oct 10 2016

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

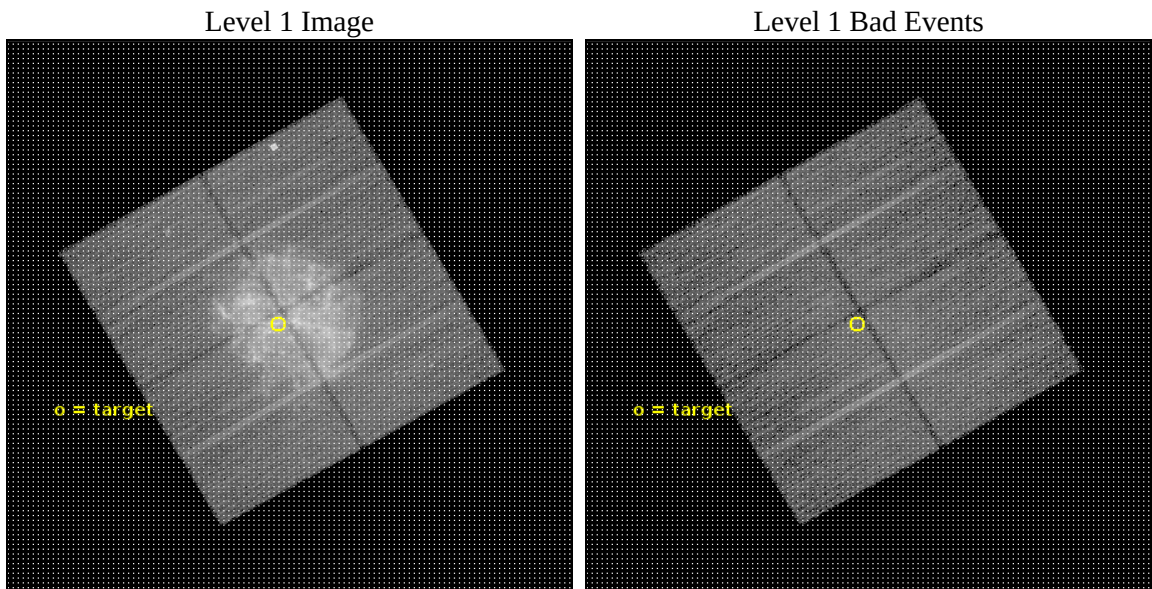
seq_num	502645	Sequence number
obs_id	19894	Observation id
title	Global Expansion and Internal Kinematics of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Kazimierz Borkowski	Principal investigator
object	G292.0+1.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.148542	Observer's specified target RA [deg]
dec_targ	-59.265661	Observer's specified target Dec [deg]
ra_nom	171.13021014923	Nominal RA [deg]
dec_nom	-59.265276073182	Nominal Dec [deg]
roll_nom	150.1929189787	Nominal Roll [deg]
revision	1	Processing version of data
ontime	35708.437171698	Sum of GTIs [s]
livetime	35241.88015188	Livetime [s]
ontime0	35711.455031991	Sum of GTIs [s]
ontime1	35705.214131355	Sum of GTIs [s]
ontime2	35711.537111998	Sum of GTIs [s]
ontime3	35708.437171698	Sum of GTIs [s]
l2events	743481	Number of level 2 events



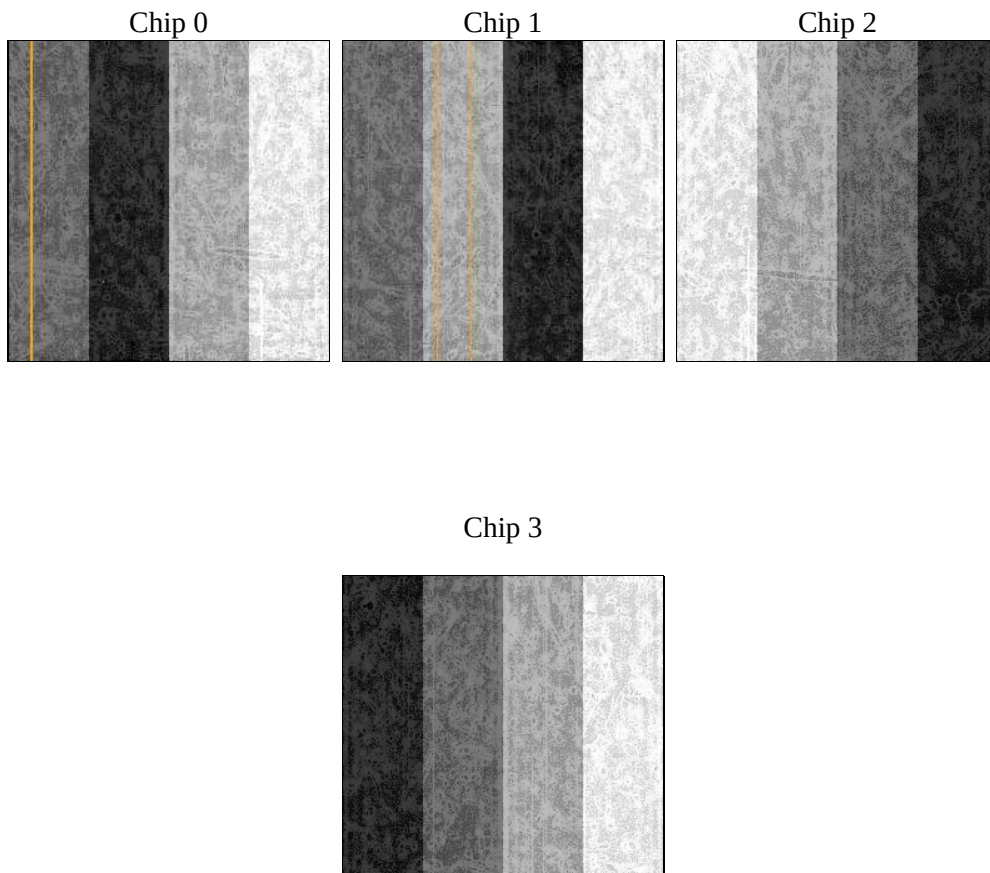
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35581.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	35708.437171698	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	35711.455031991	Sum of GTIs [s]
date	2016-10-10T13:51:25	Date and time of file creation	ontime1	35705.214131355	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	35711.537111998	Sum of GTIs [s]
			ontime3	35708.437171698	Sum of GTIs [s]
			l1events	1509333	Number of level 1 events

2.1.4 Events

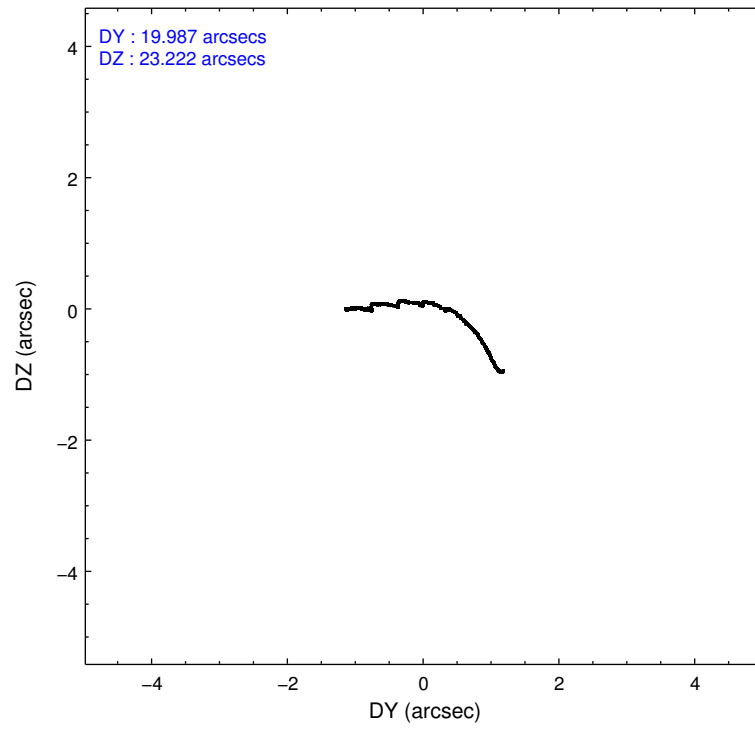
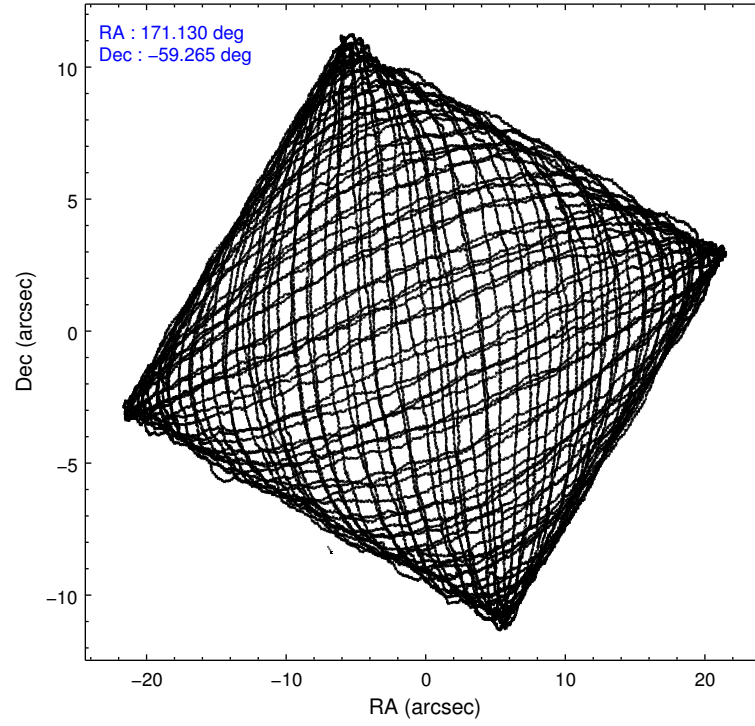
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	324139	328543	490424	366227
rejected events	165527	162887	197401	172249
rejected %	51%	49%	40%	47%

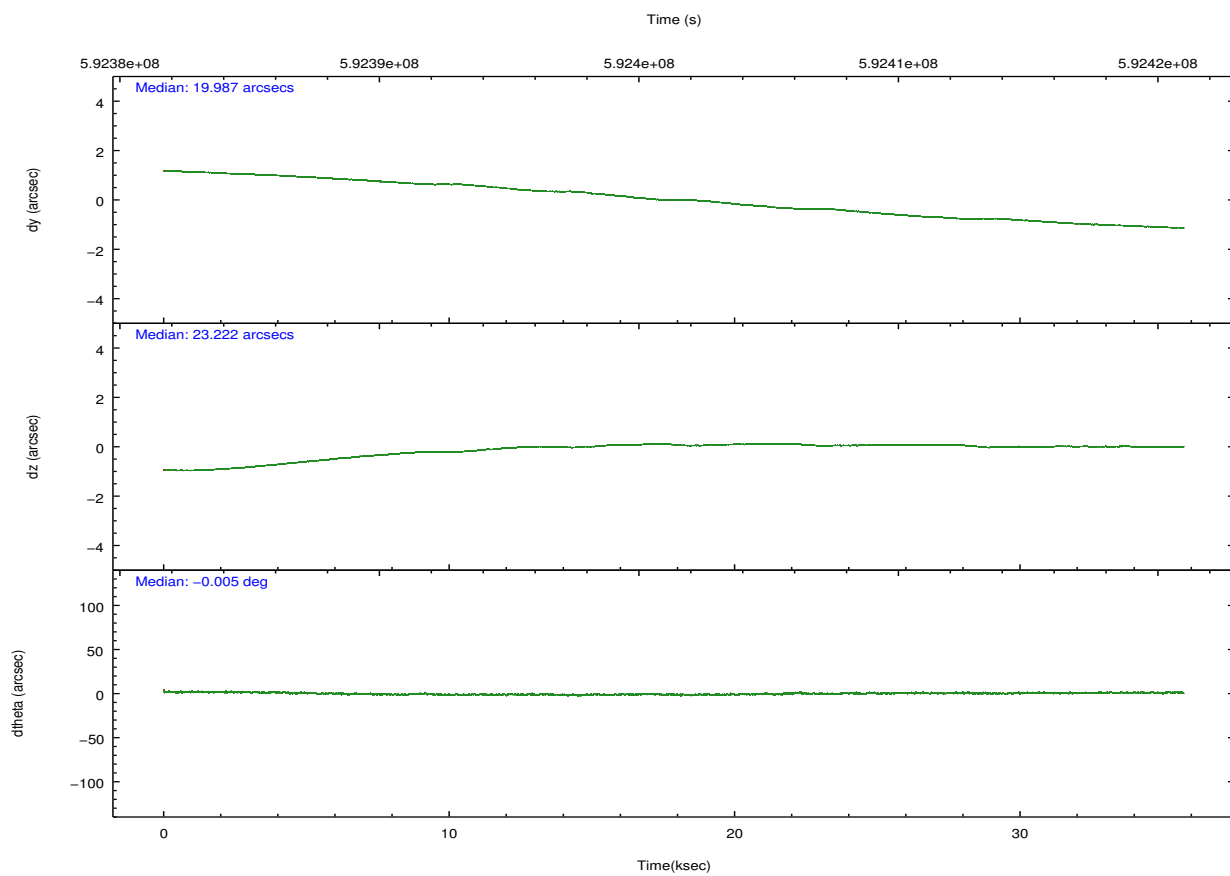
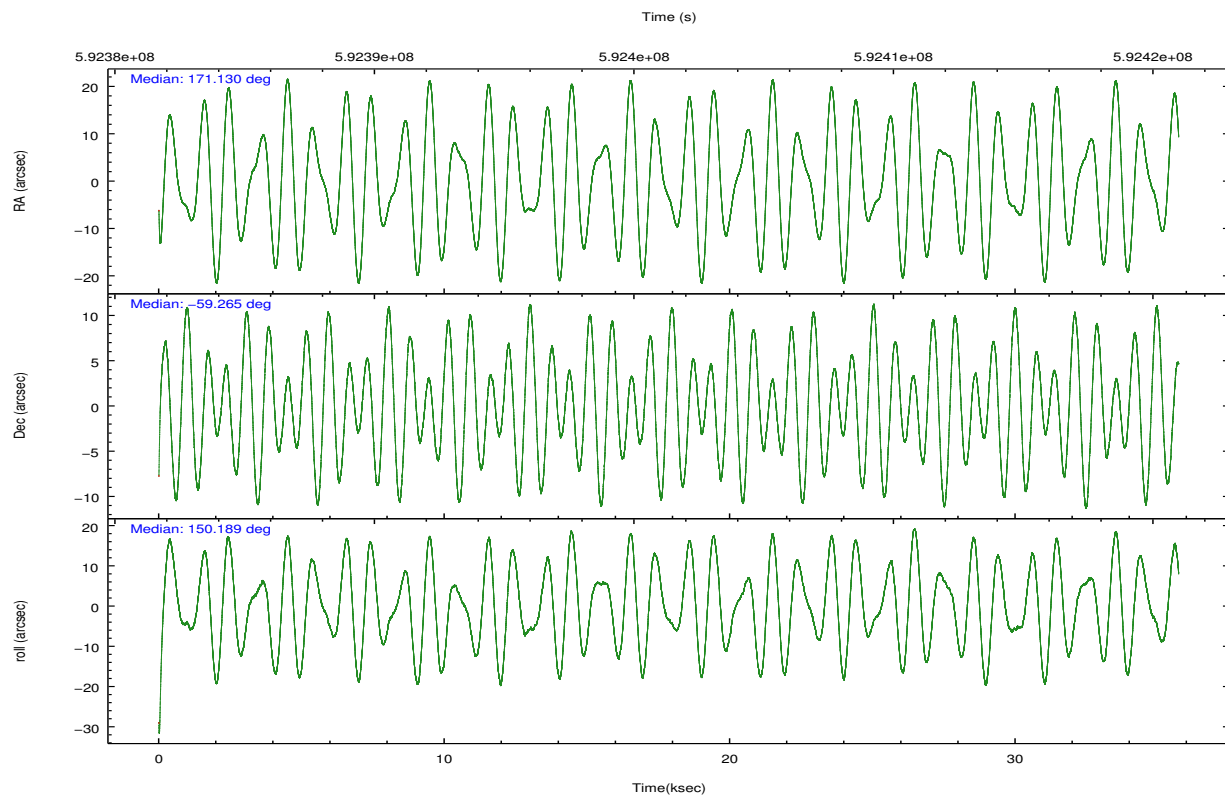
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	127929	132381	244723	158096
	39%	40%	49%	43%
grade 1 events	669	686	1459	985
	0%	0%	0%	0%
grade 2 events	16513	17944	27410	18855
	5%	5%	5%	5%
grade 3 events	4749	5186	7696	5822
	1%	1%	1%	1%
grade 4 events	4797	5003	7705	5844
	1%	1%	1%	1%
grade 5 events	4860	5187	5000	5627
	1%	1%	1%	1%
grade 6 events	4661	5173	5541	5393
	1%	1%	1%	1%
grade 7 events	159961	156983	190890	165605
	49%	47%	38%	45%

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	171.184183	171.130210149232	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.265086	-59.26527607318172	Alternating exposures requested	N	N
[deg] Pointing Roll	150.030641	150.1929189786979	[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)	592383639.184000	592382324.79575			
Observation start date	2016-10-09T06:59:31	2016-10-09T06:38:44			
[s] Observation end time (MET)	592419220.184000	592420761.78547			
Observation end date	2016-10-09T16:52:32	2016-10-09T17:19:21			
Read mode	TIMED	TIMED			

2.3 Aspect



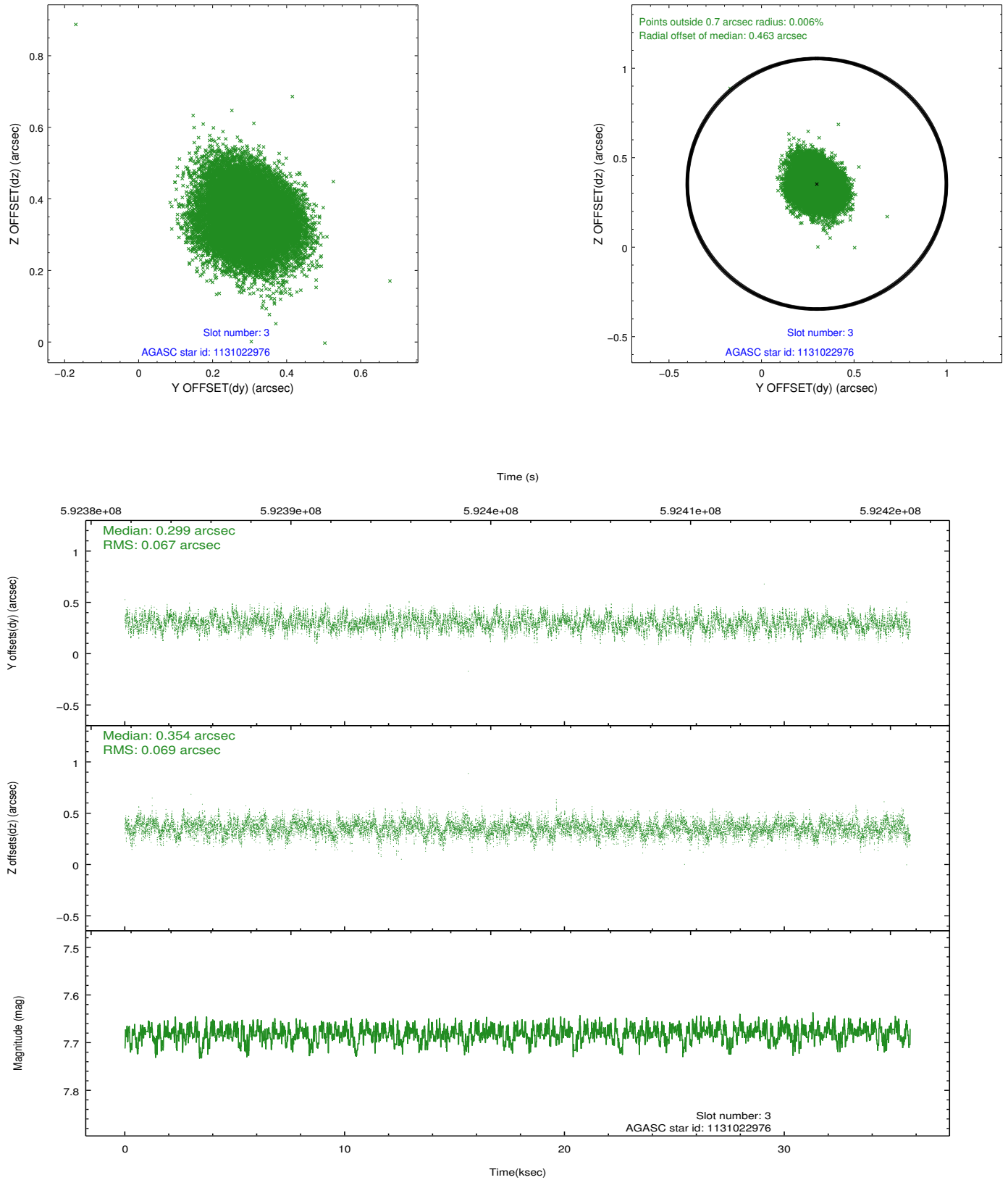


Slot Statistics

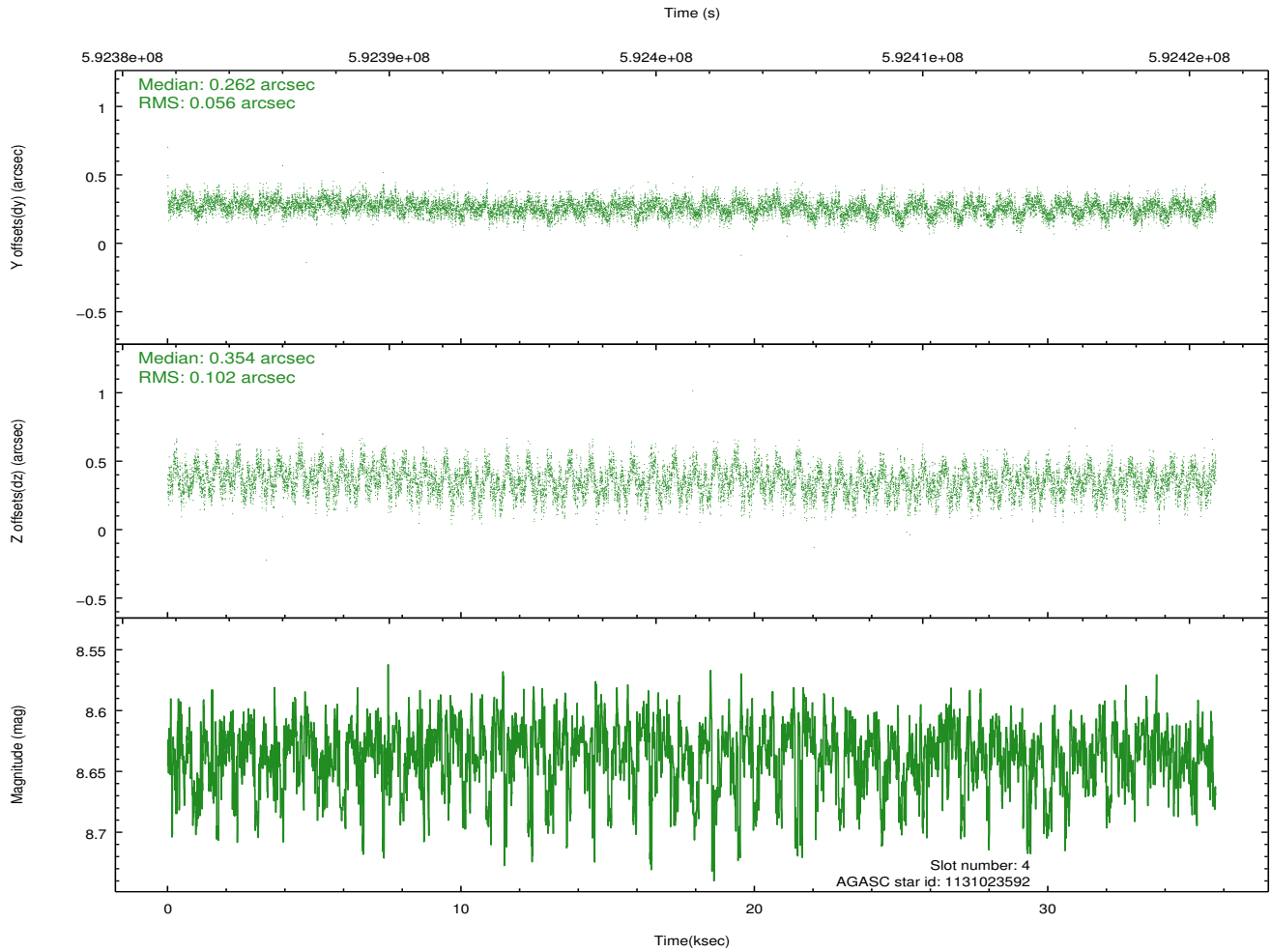
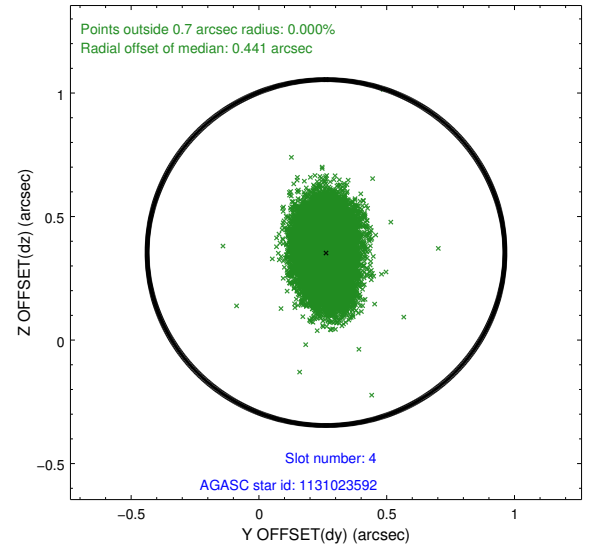
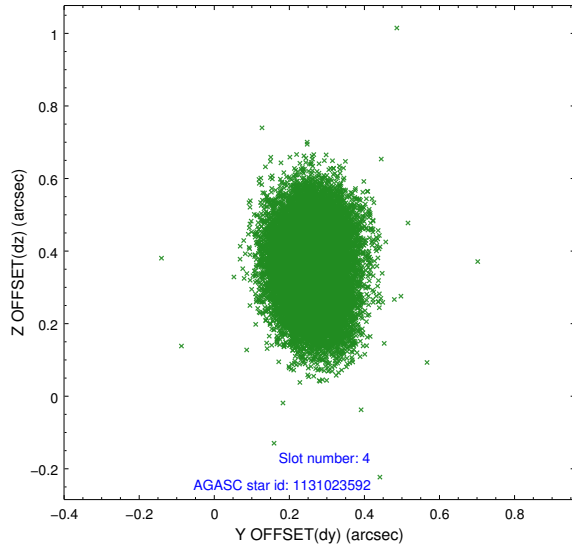
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.11	8714	0.053	0.018	0.012	0.045	0.000000	0.000000	919.42	-846.82
1	FID		ACIS-I-5	7.10	8712	-0.357	0.024	0.017	0.034	0.000000	0.000000	-1829.19	1050.50
2	FID		ACIS-I-6	7.12	8713	0.215	0.028	0.017	0.031	0.000000	0.000000	384.94	1695.18
3	GUIDE	used	1131022976	7.68	17426	0.299	0.354	0.104	0.163	171.601311	-59.282289	-695.91	-326.92
4	GUIDE	used	1131023592	8.63	17411	0.262	0.354	0.123	0.204	172.510288	-59.004302	-1672.15	-2019.75
5	GUIDE	used	1131024496	7.74	17424	0.019	-0.172	0.099	0.165	170.002192	-59.188051	2017.23	865.31
6	GUIDE	used	1131027296	7.51	17422	-0.437	-0.430	0.090	0.154	170.725176	-59.738880	-132.13	1895.89
7	GUIDE	used	1131026672	6.92	17424	-0.142	-0.101	0.093	0.160	170.822180	-58.787471	1443.91	-1150.24

2.4 Star Slots

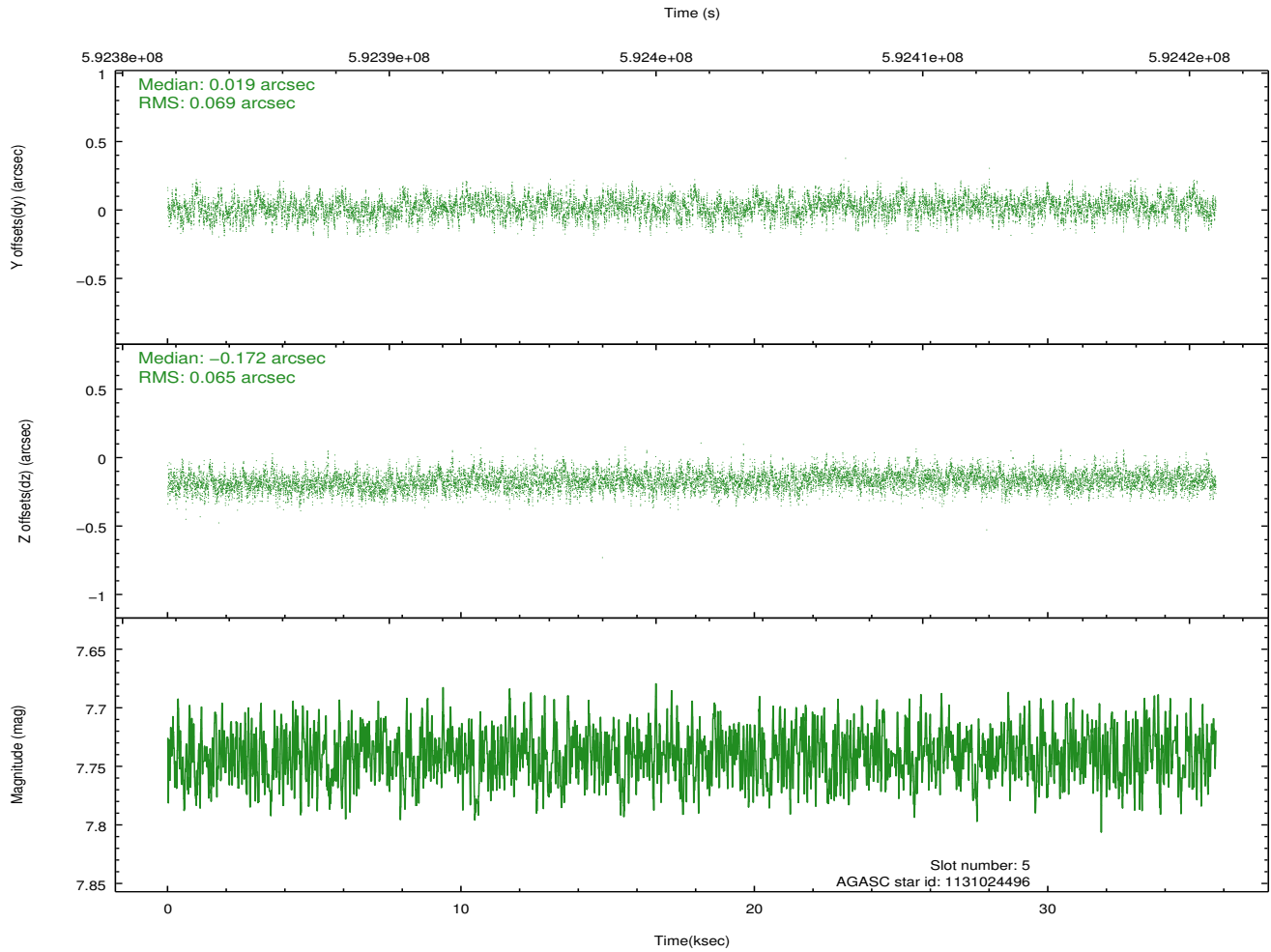
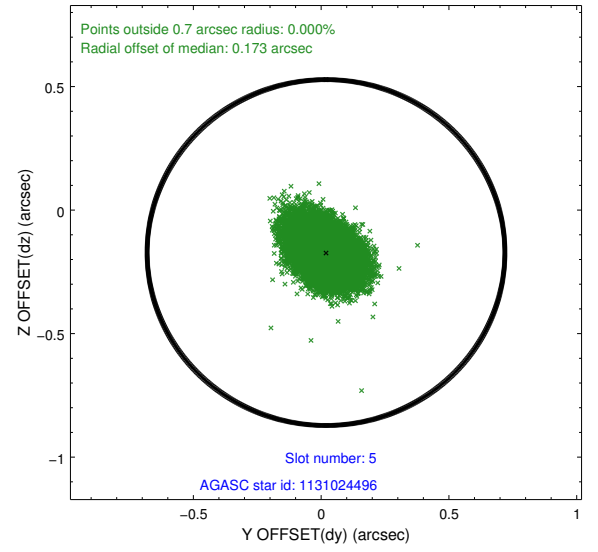
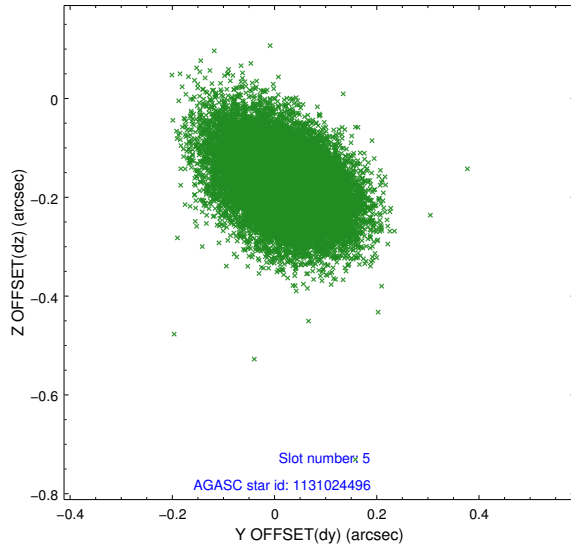
2.4.1 Slot 3



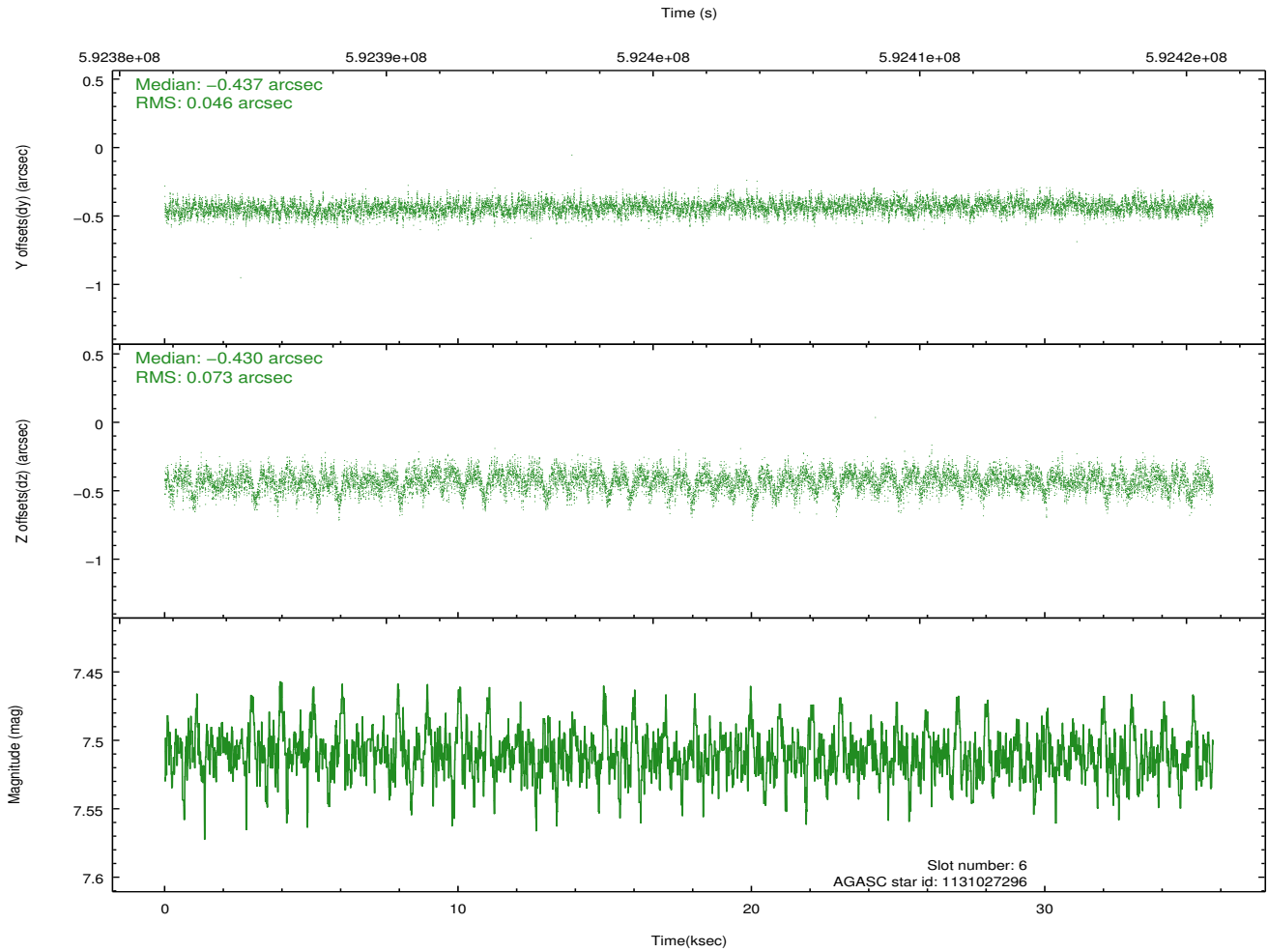
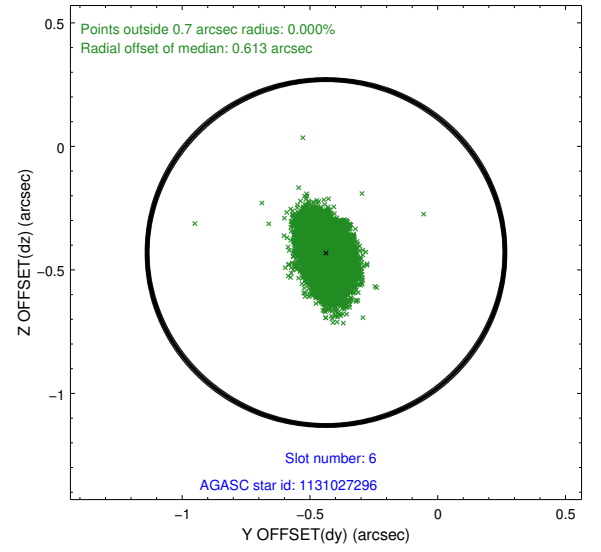
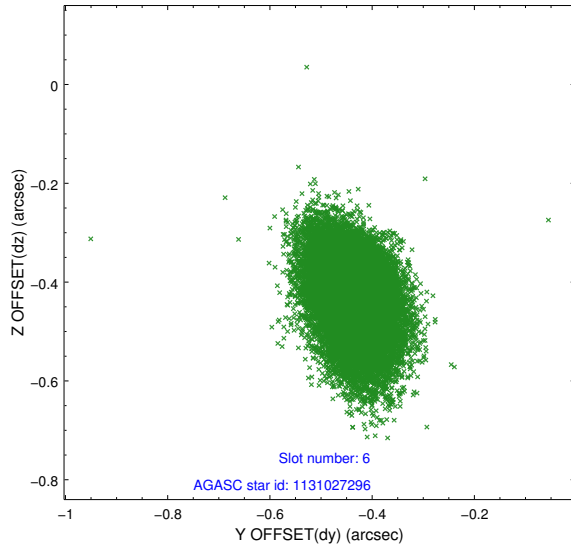
2.4.2 Slot 4



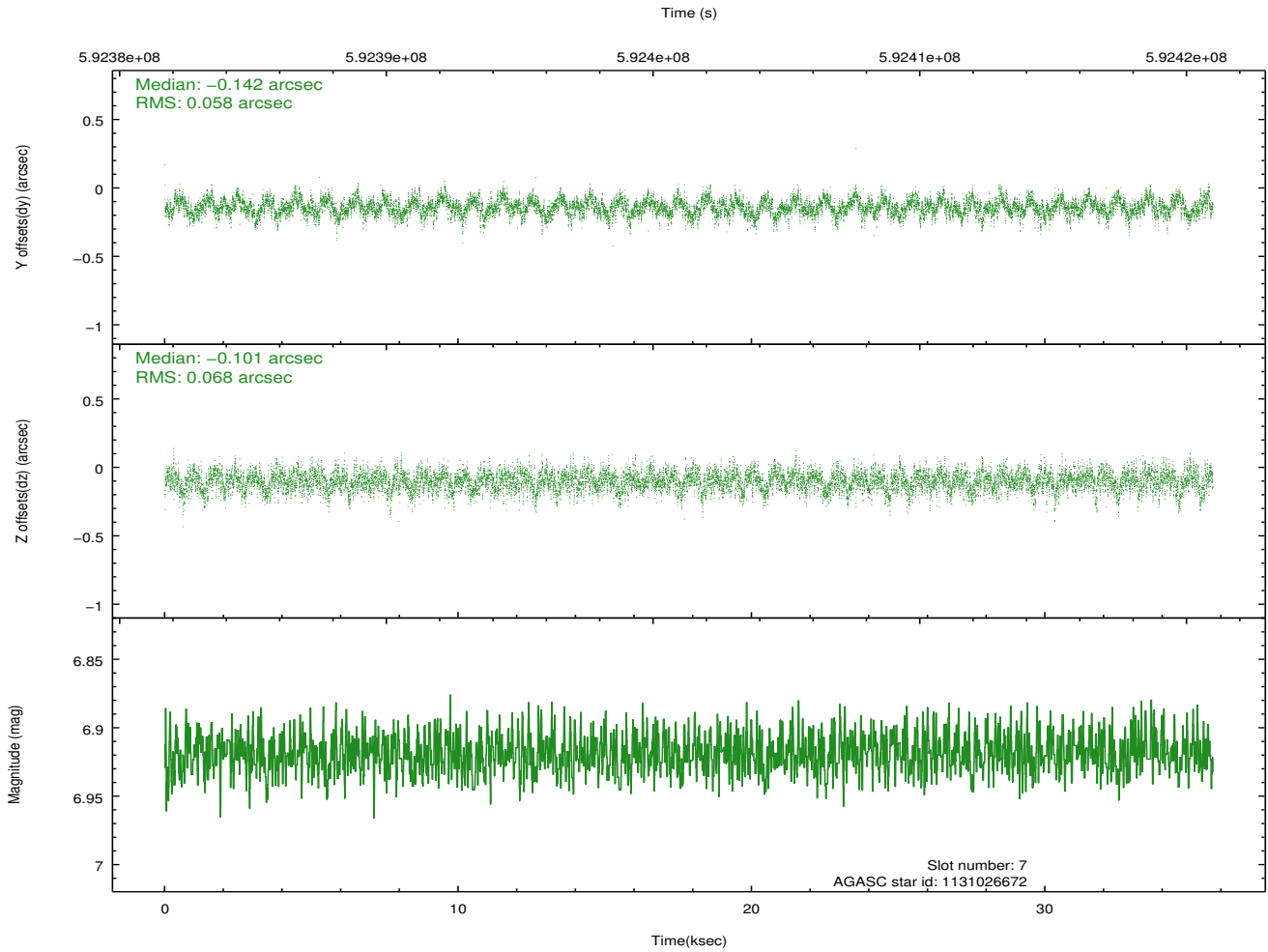
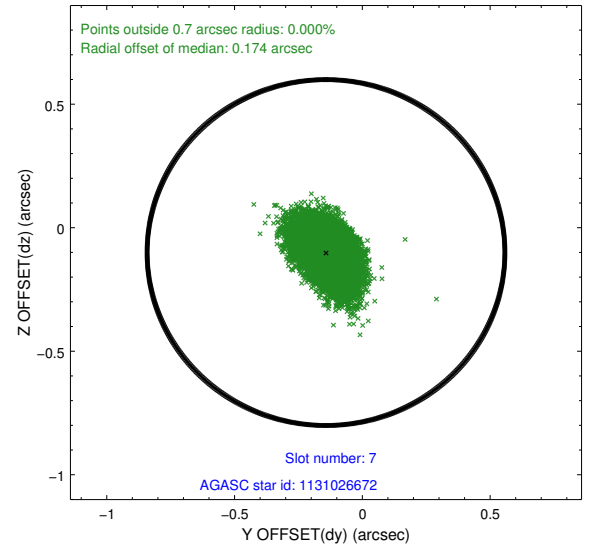
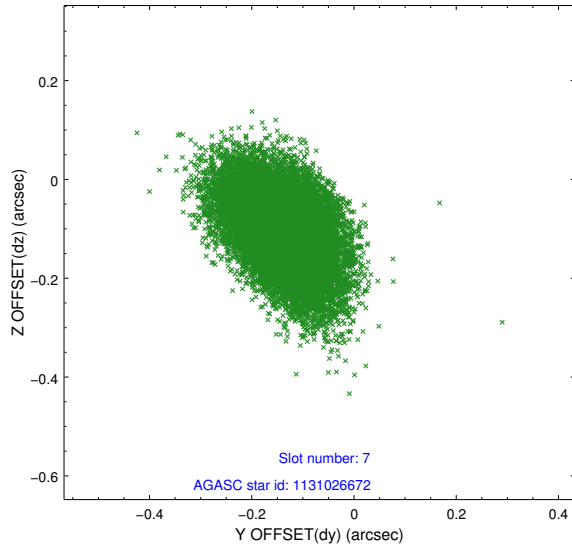
2.4.3 Slot 5



2.4.4 Slot 6

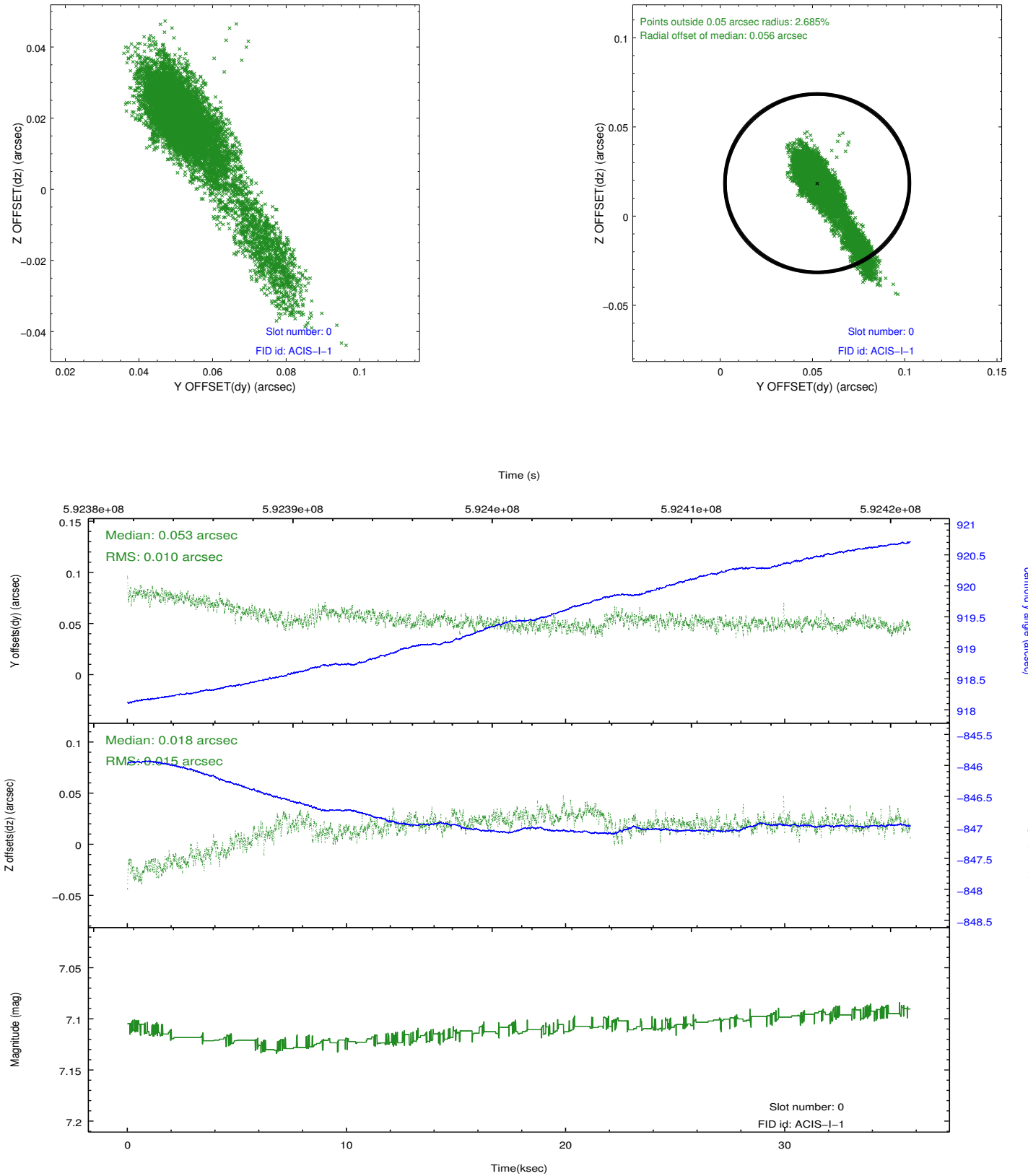


2.4.5 Slot 7

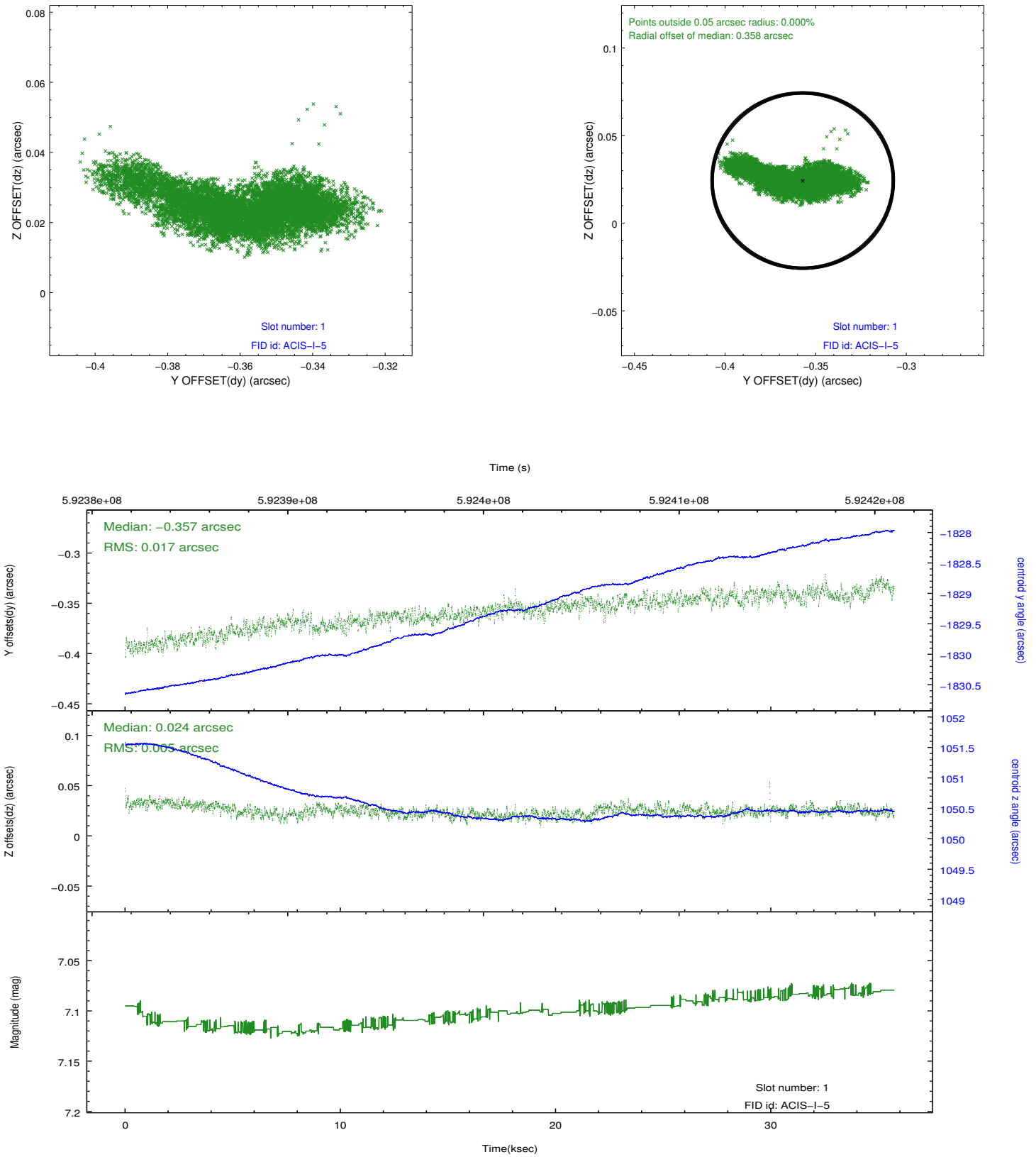


2.5 FID Slots

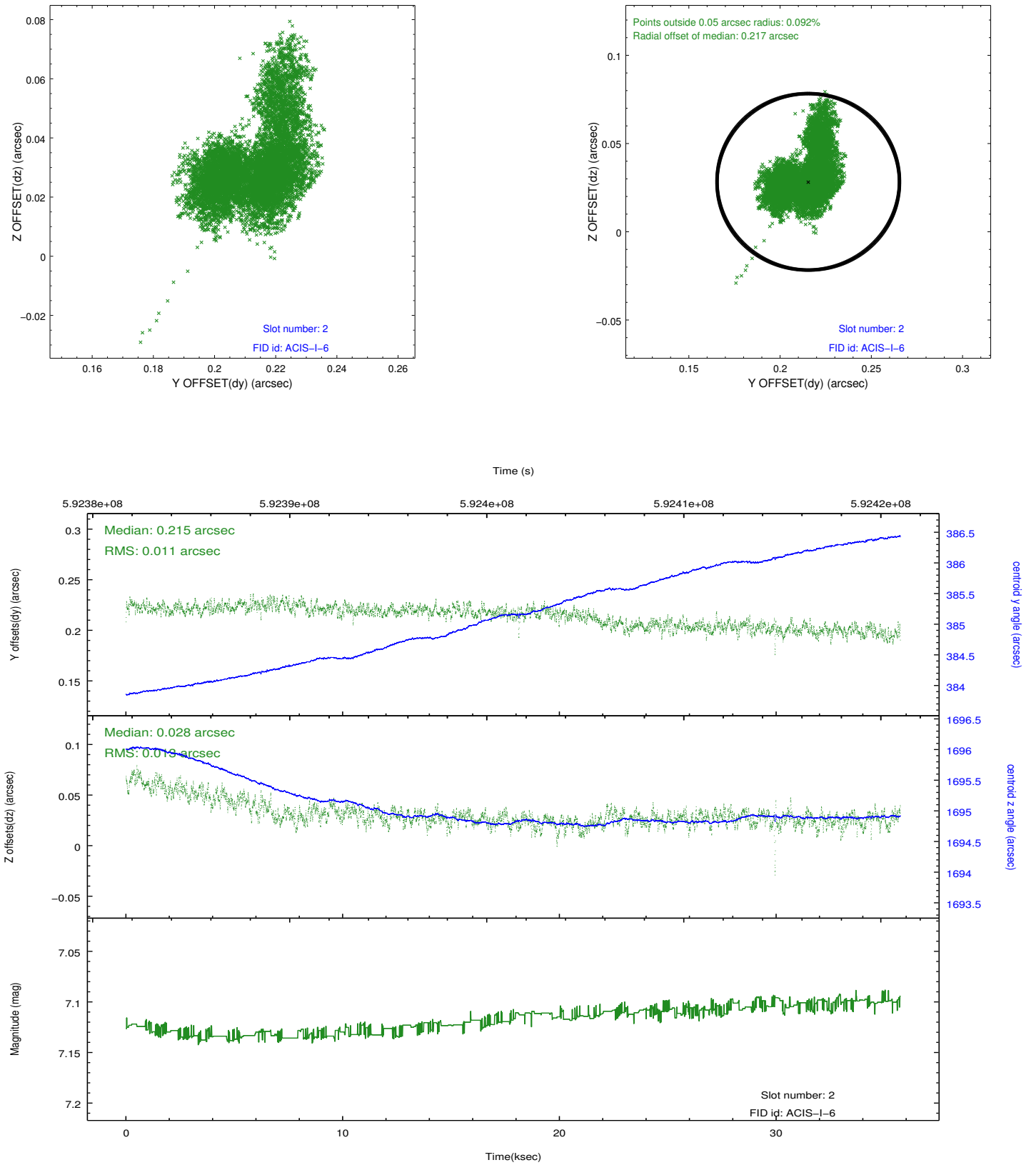
2.5.1 Slot 0



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)	2016.10.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.708437171698

A.2 Comments