

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 19898 - L2 Version 1
Chandra X-Ray Center

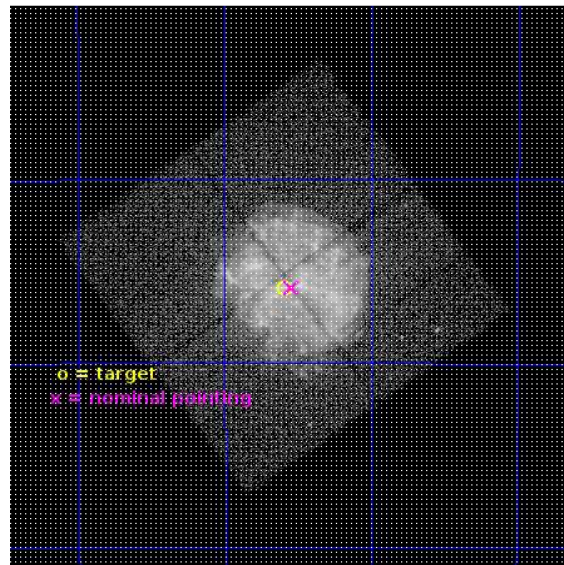
L2 Processing Date : Oct 16 2016

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1 Front

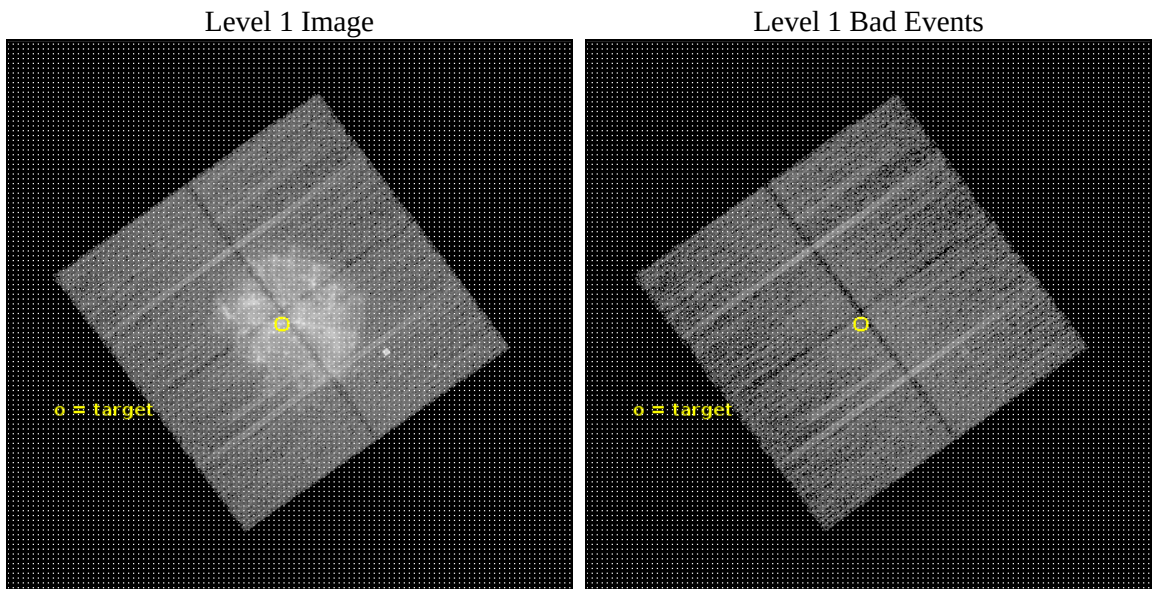
seq_num	502645	Sequence number
obs_id	19898	Observation id
title	Global Expansion and Internal Kinematics of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Kazimierz Borkowski	Principal investigator
object	G292.0+1.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.148542	Observer's specified target RA [deg]
dec_targ	-59.265661	Observer's specified target Dec [deg]
ra_nom	171.13601578878	Nominal RA [deg]
dec_nom	-59.264800674944	Nominal Dec [deg]
roll_nom	144.19790530433	Nominal Roll [deg]
revision	1	Processing version of data
ontime	22099.8591398	Sum of GTIs [s]
livetime	21811.108210459	Livetime [s]
ontime0	22096.718229651	Sum of GTIs [s]
ontime1	22103.000170112	Sum of GTIs [s]
ontime2	22103.000170112	Sum of GTIs [s]
ontime3	22099.8591398	Sum of GTIs [s]
l2events	457423	Number of level 2 events



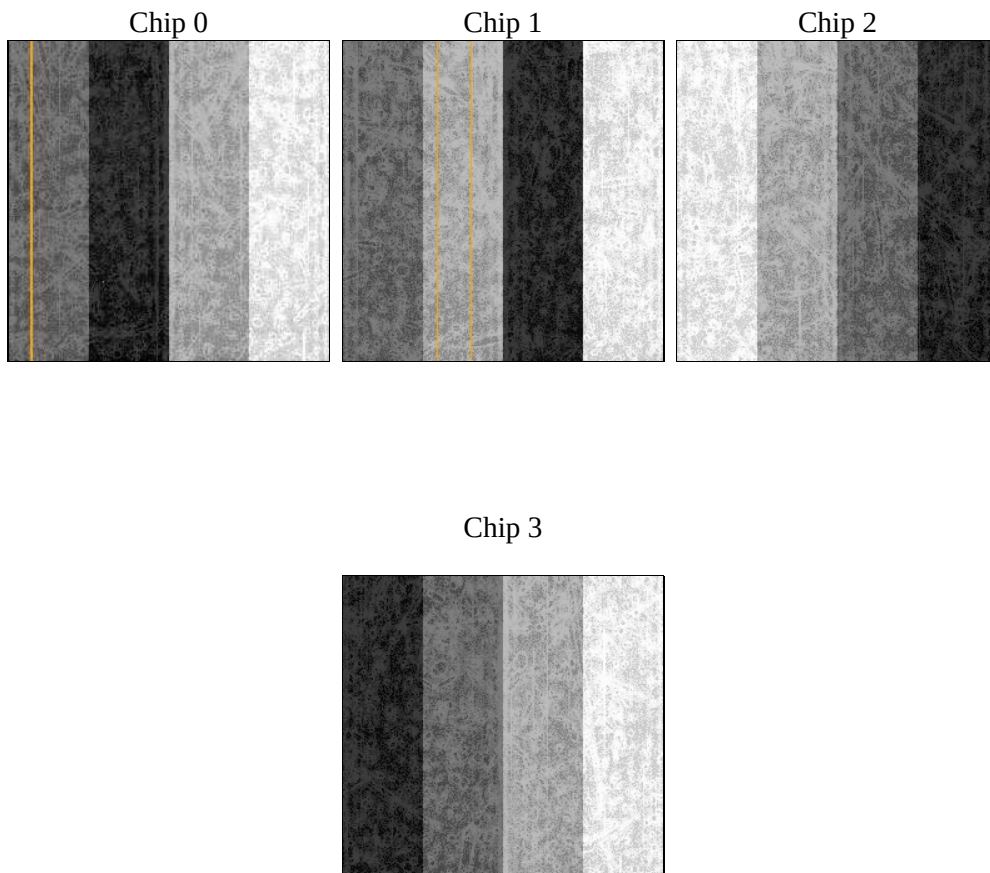
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	22000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	22099.8591398	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	22096.718229651	Sum of GTIs [s]
date	2016-10-16T16:49:00	Date and time of file creation	ontime1	22103.000170112	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	22103.000170112	Sum of GTIs [s]
			ontime3	22099.8591398	Sum of GTIs [s]
			l1events	939186	Number of level 1 events

2.1.4 Events

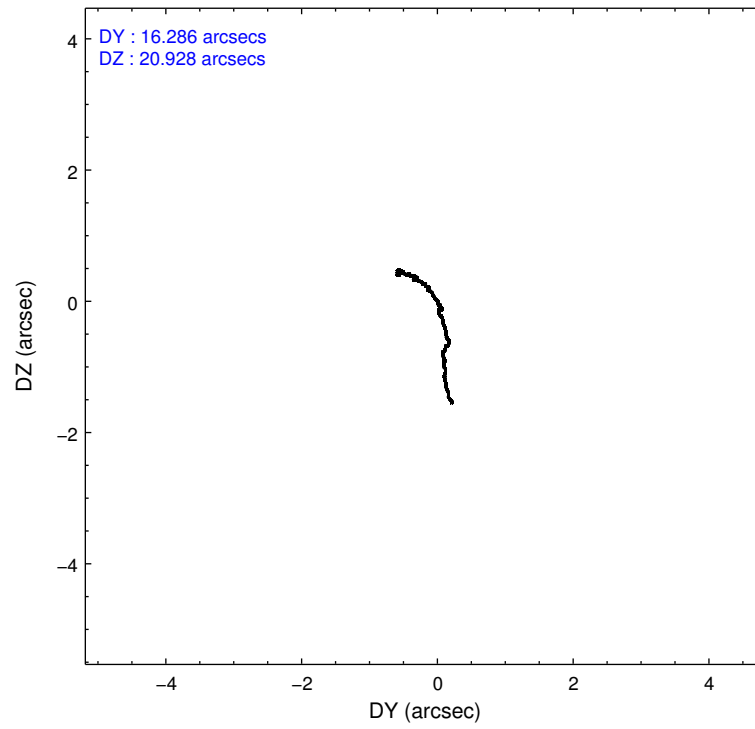
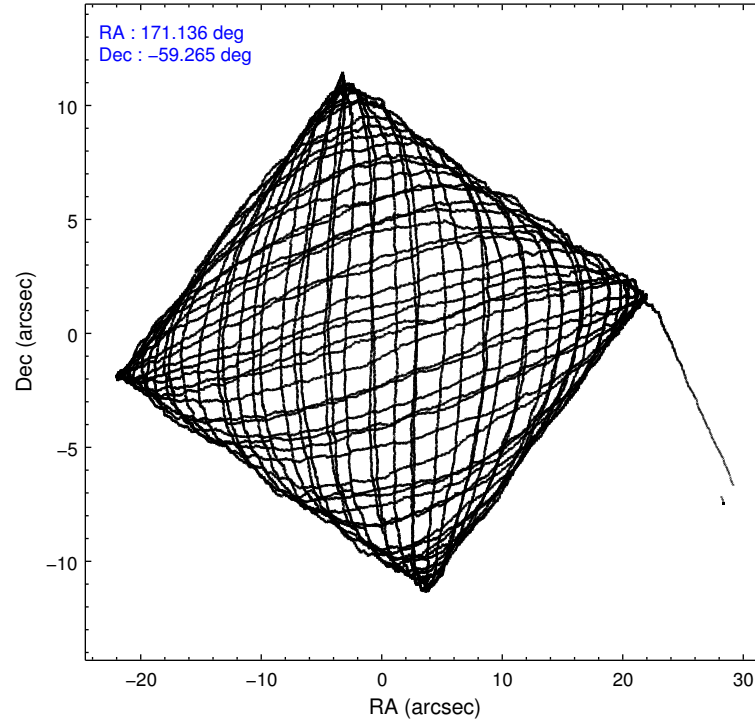
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	191956	199076	317879	230275
rejected events	101780	102599	124643	110905
rejected %	53%	51%	39%	48%

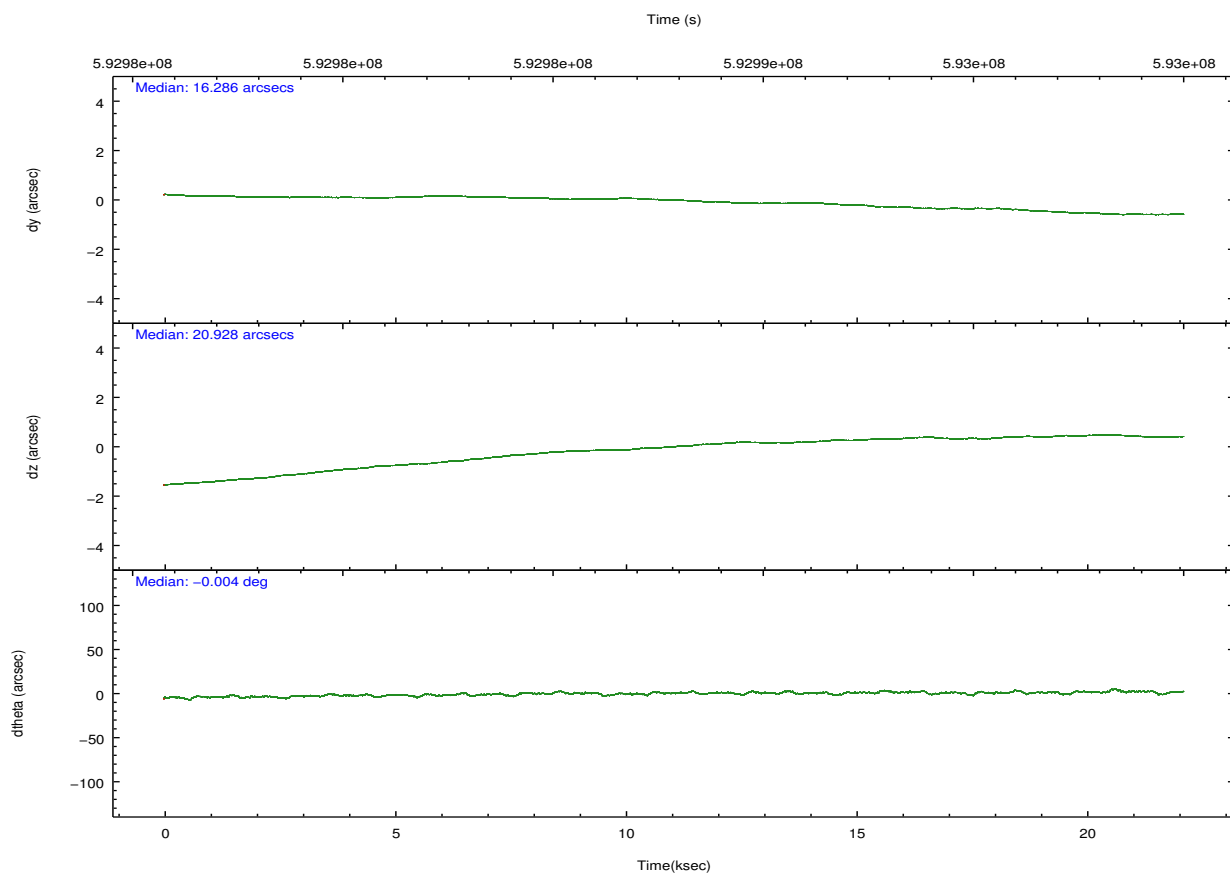
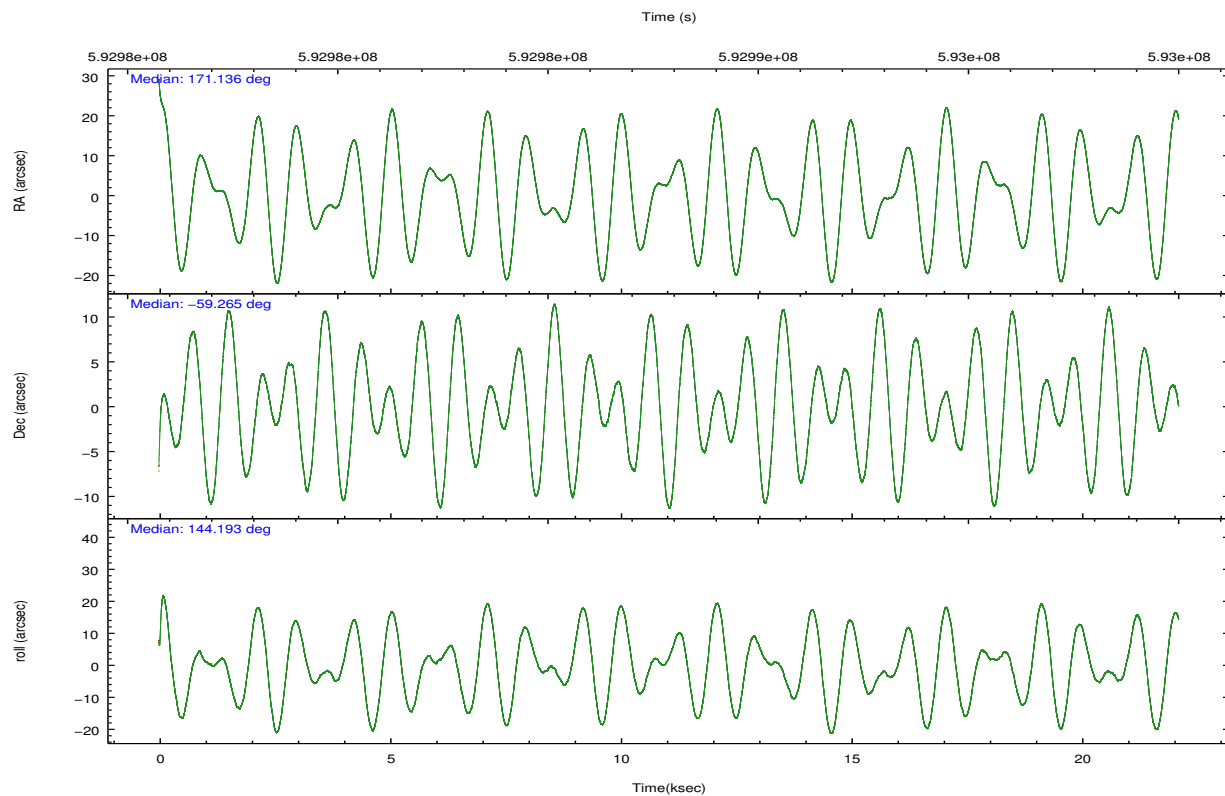
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	71637	76978	156487	97605
	37%	38%	49%	42%
grade 1 events	343	351	973	559
	0%	0%	0%	0%
grade 2 events	10120	10505	23958	11468
	5%	5%	7%	4%
grade 3 events	2819	2999	4781	3551
	1%	1%	1%	1%
grade 4 events	2855	2965	4732	3548
	1%	1%	1%	1%
grade 5 events	2823	3203	3055	3461
	1%	1%	0%	1%
grade 6 events	2825	3101	3430	3278
	1%	1%	1%	1%
grade 7 events	98534	98974	120463	106805
	51%	49%	37%	46%

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	171.189721	171.1360157887789	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.267477	-59.26480067494416	Alternating exposures requested	N	N
[deg] Pointing Roll	144.035399	144.19790530433	[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)	592976911.184000	592975662.99245			
Observation start date	2016-10-16T03:47:23	2016-10-16T03:27:42			
[s] Observation end time (MET)	592998911.184000	592999870.93135			
Observation end date	2016-10-16T09:54:03	2016-10-16T10:11:10			
Read mode	TIMED	TIMED			

2.3 Aspect



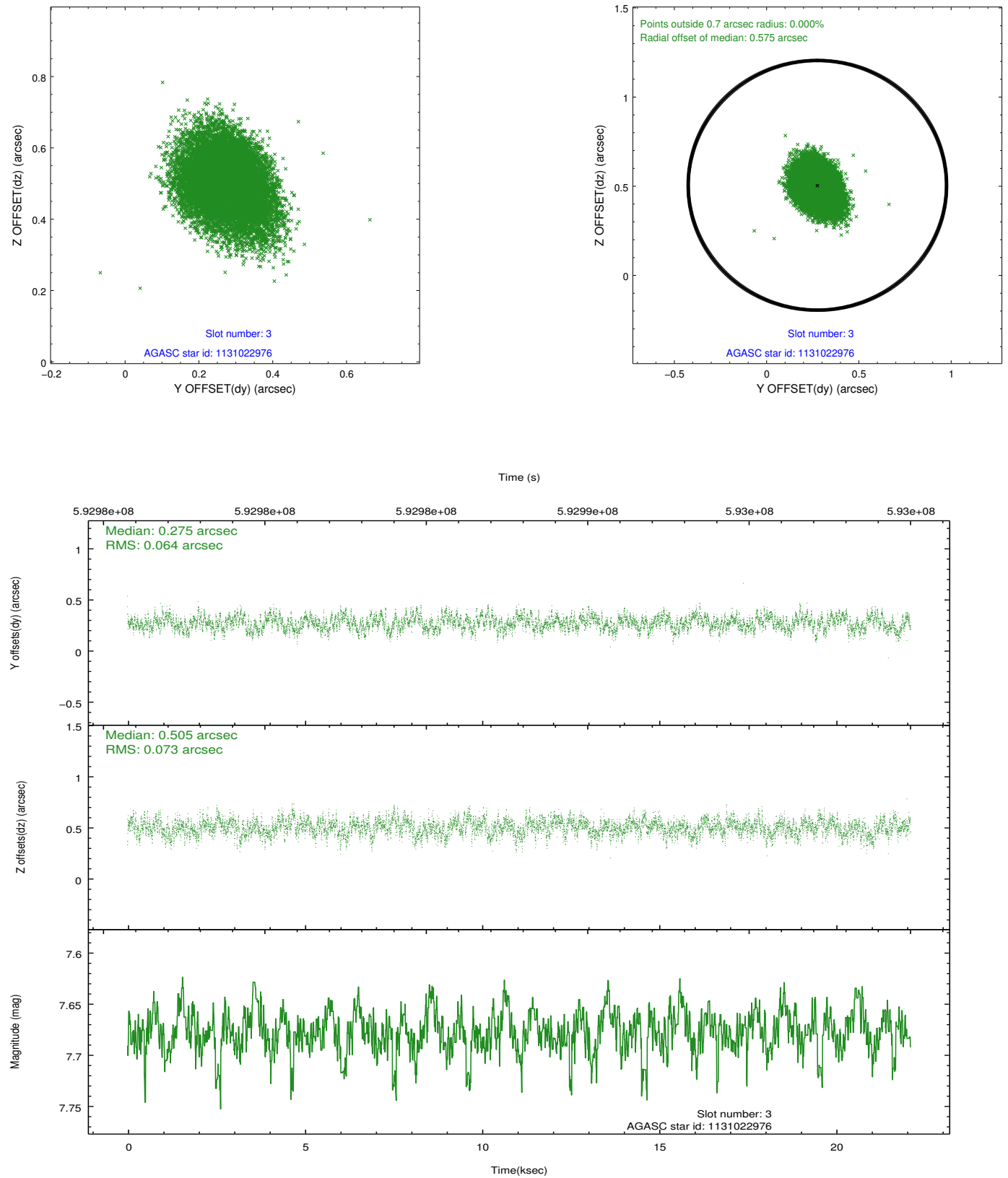


Slot Statistics

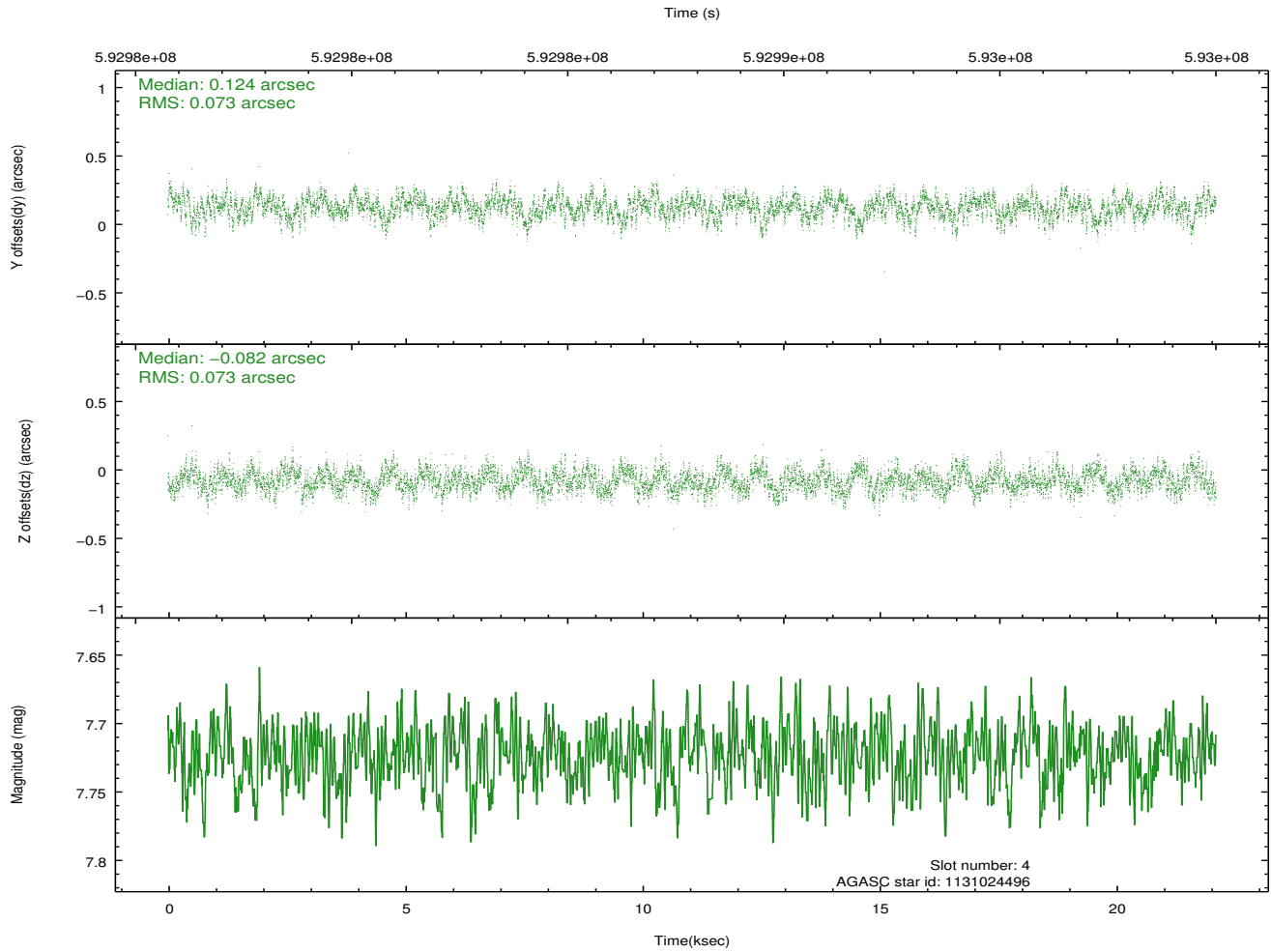
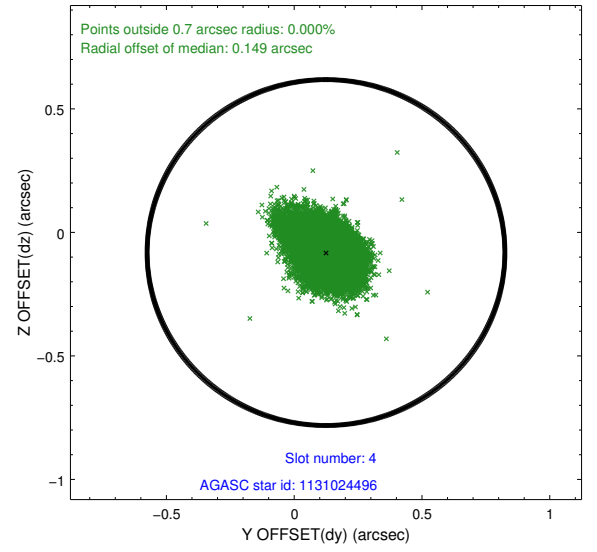
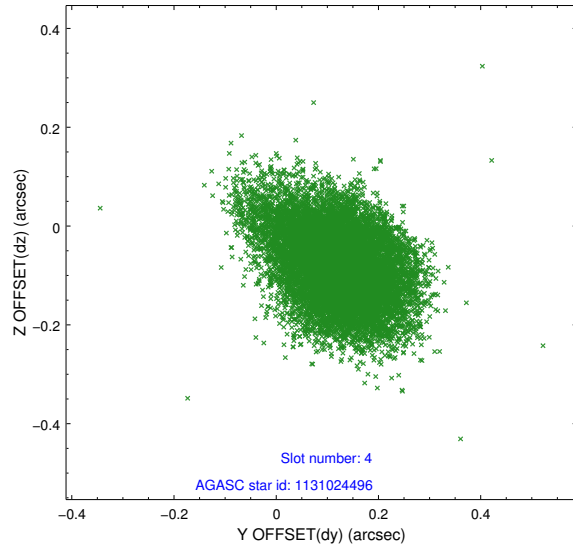
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.20	5393	0.075	-0.058	0.016	0.043	0.000000	0.000000	923.35	-844.50
1	FID		ACIS-I-5	7.19	5391	-0.343	0.035	0.020	0.030	0.000000	0.000000	-1825.16	1052.90
2	FID		ACIS-I-6	7.20	5393	0.175	0.091	0.023	0.041	0.000000	0.000000	388.73	1697.72
3	GUIDE	used	1131022976	7.68	10783	0.275	0.505	0.104	0.167	171.601311	-59.282289	-644.68	-398.81
4	GUIDE	used	1131024496	7.72	10785	0.124	-0.082	0.108	0.179	170.002192	-59.188051	1929.03	1070.63
5	GUIDE	used	1131026672	6.90	10785	-0.168	-0.035	0.087	0.144	170.822180	-58.787471	1569.63	-993.92
6	GUIDE	used	1131027296	7.51	10781	-0.219	-0.271	0.087	0.145	170.725176	-59.738880	-316.23	1870.70
7	GUIDE	used	1174293608	8.81	10776	-0.007	-0.114	0.124	0.206	171.337887	-60.017603	-1801.87	2029.52

2.4 Star Slots

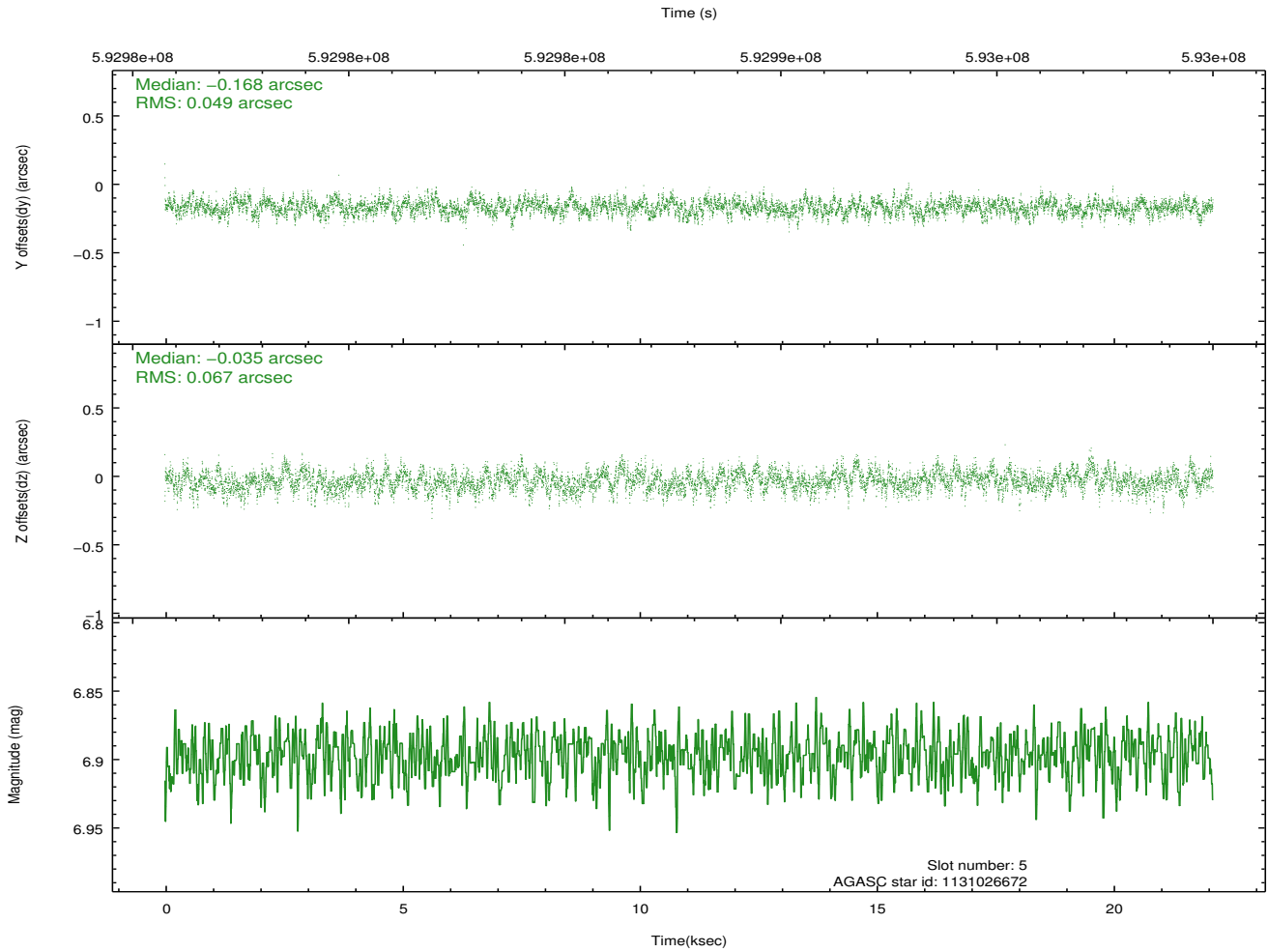
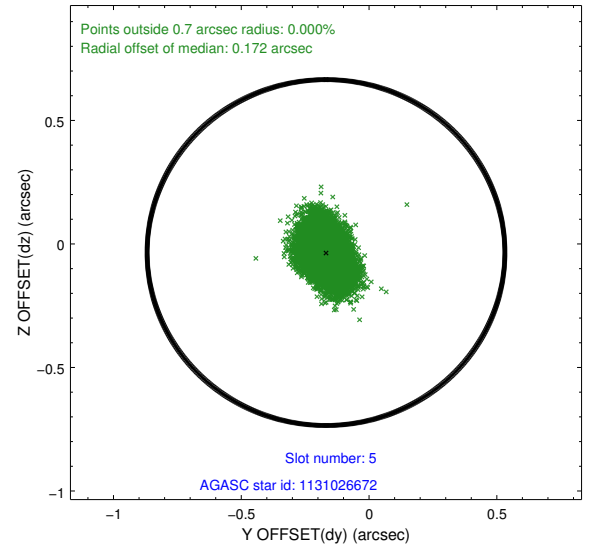
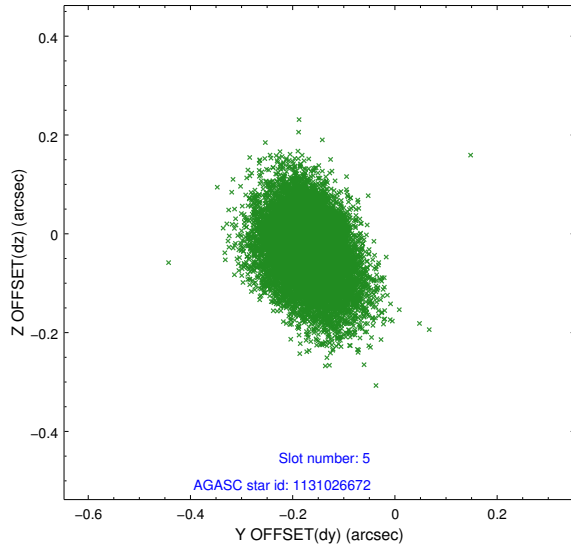
2.4.1 Slot 3



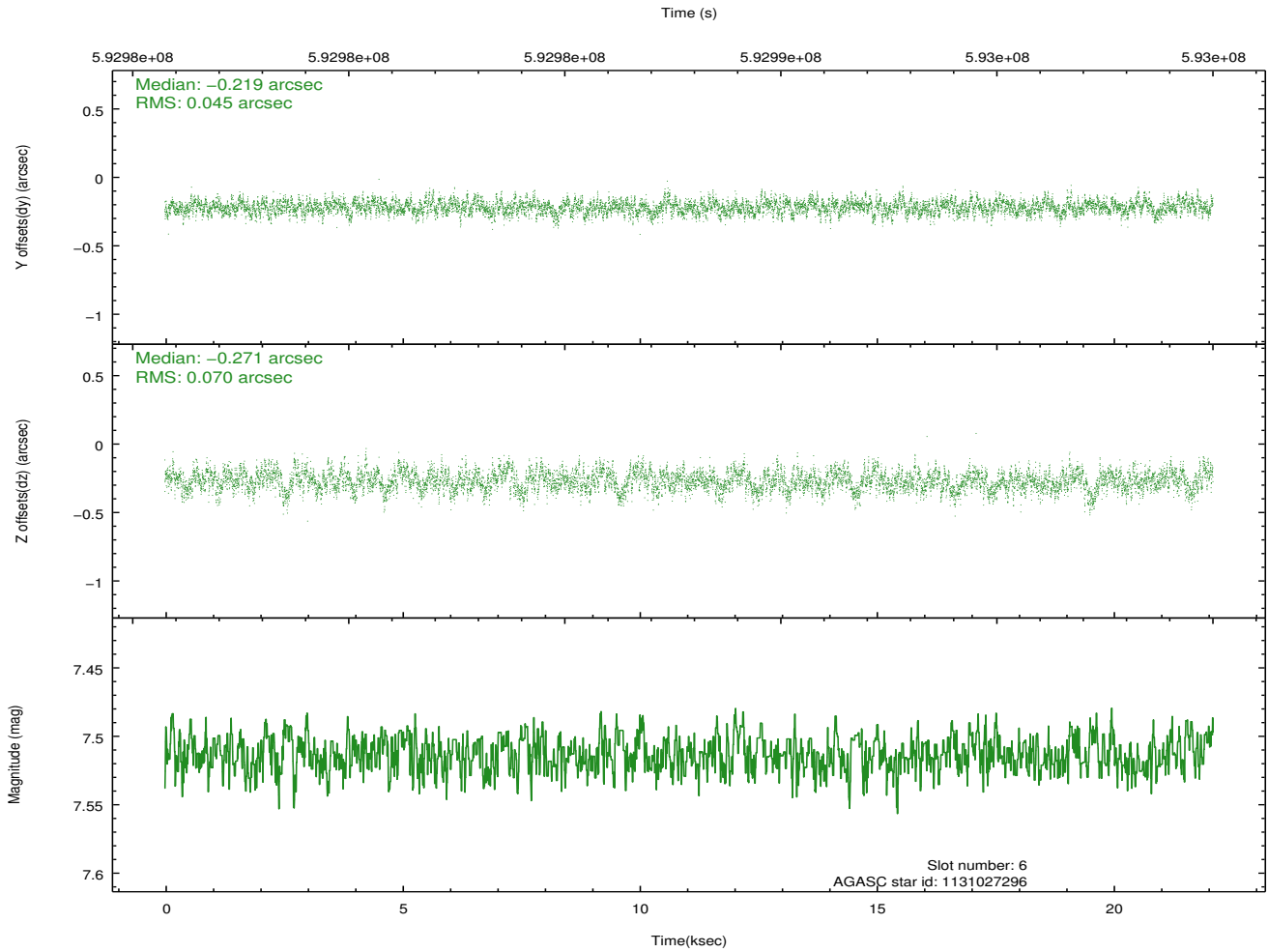
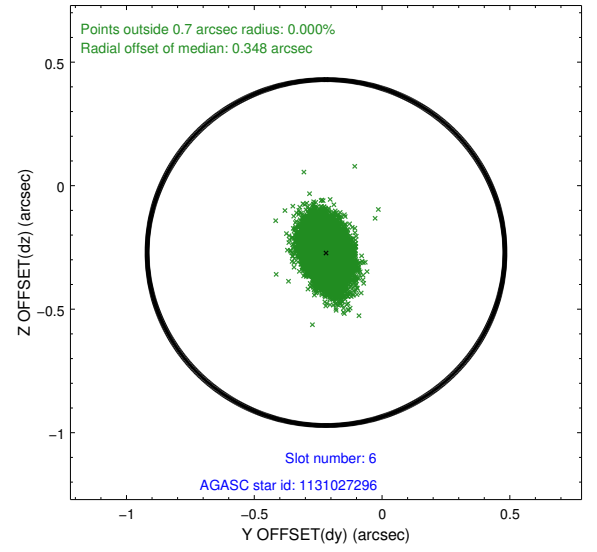
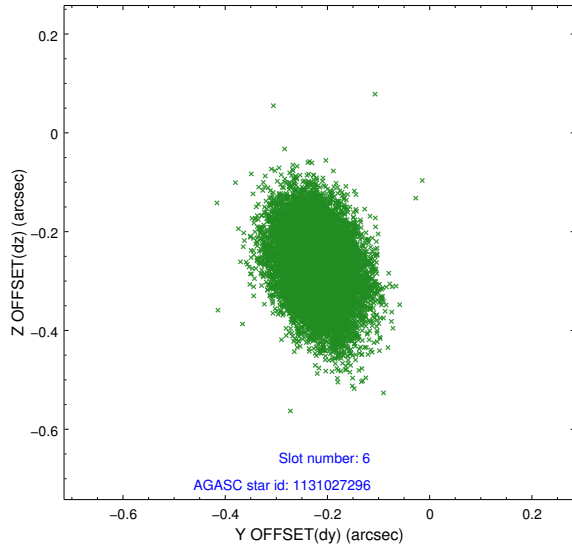
2.4.2 Slot 4



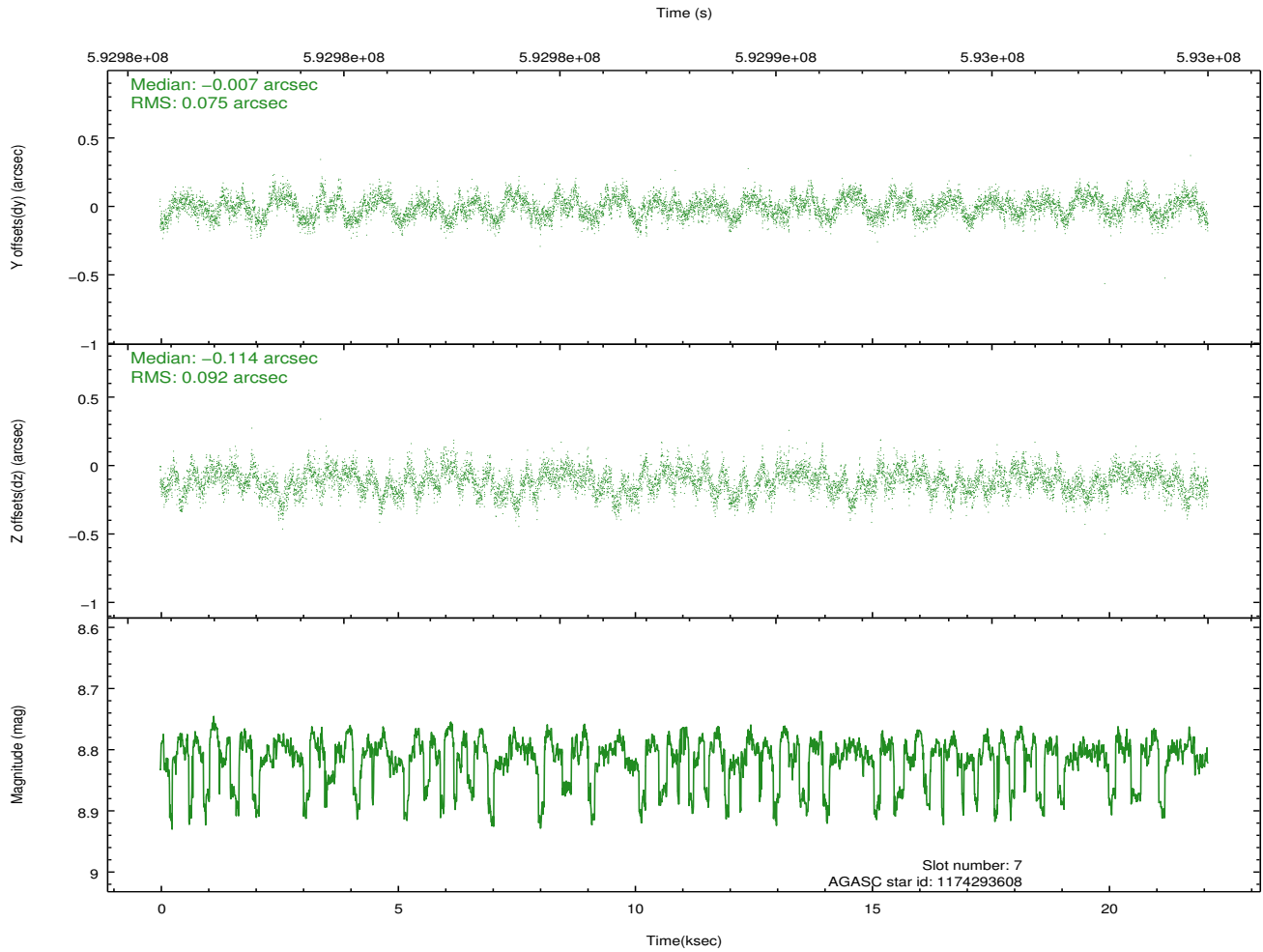
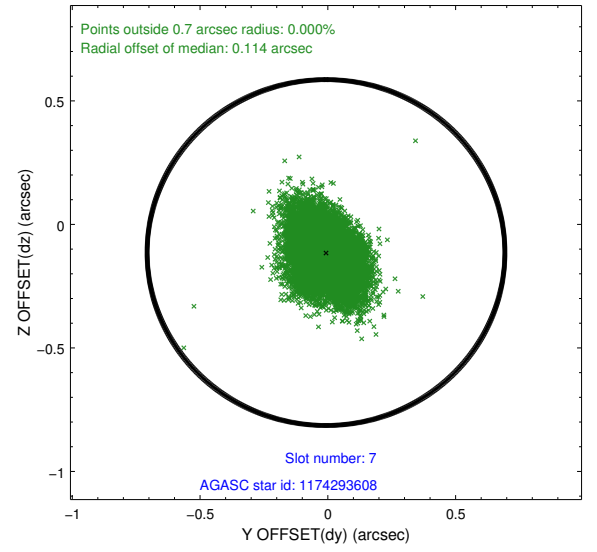
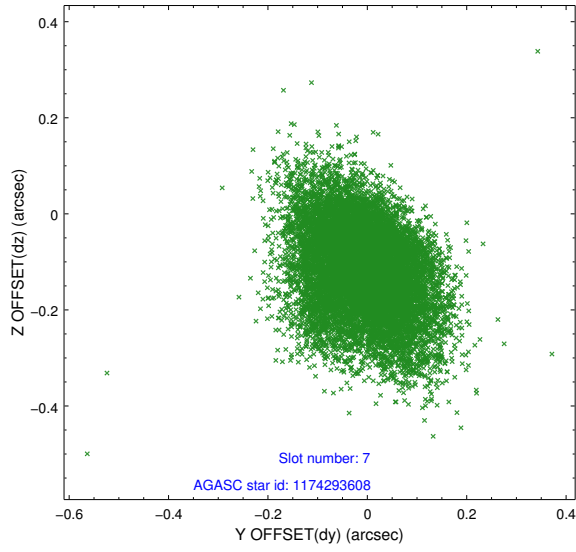
2.4.3 Slot 5



2.4.4 Slot 6

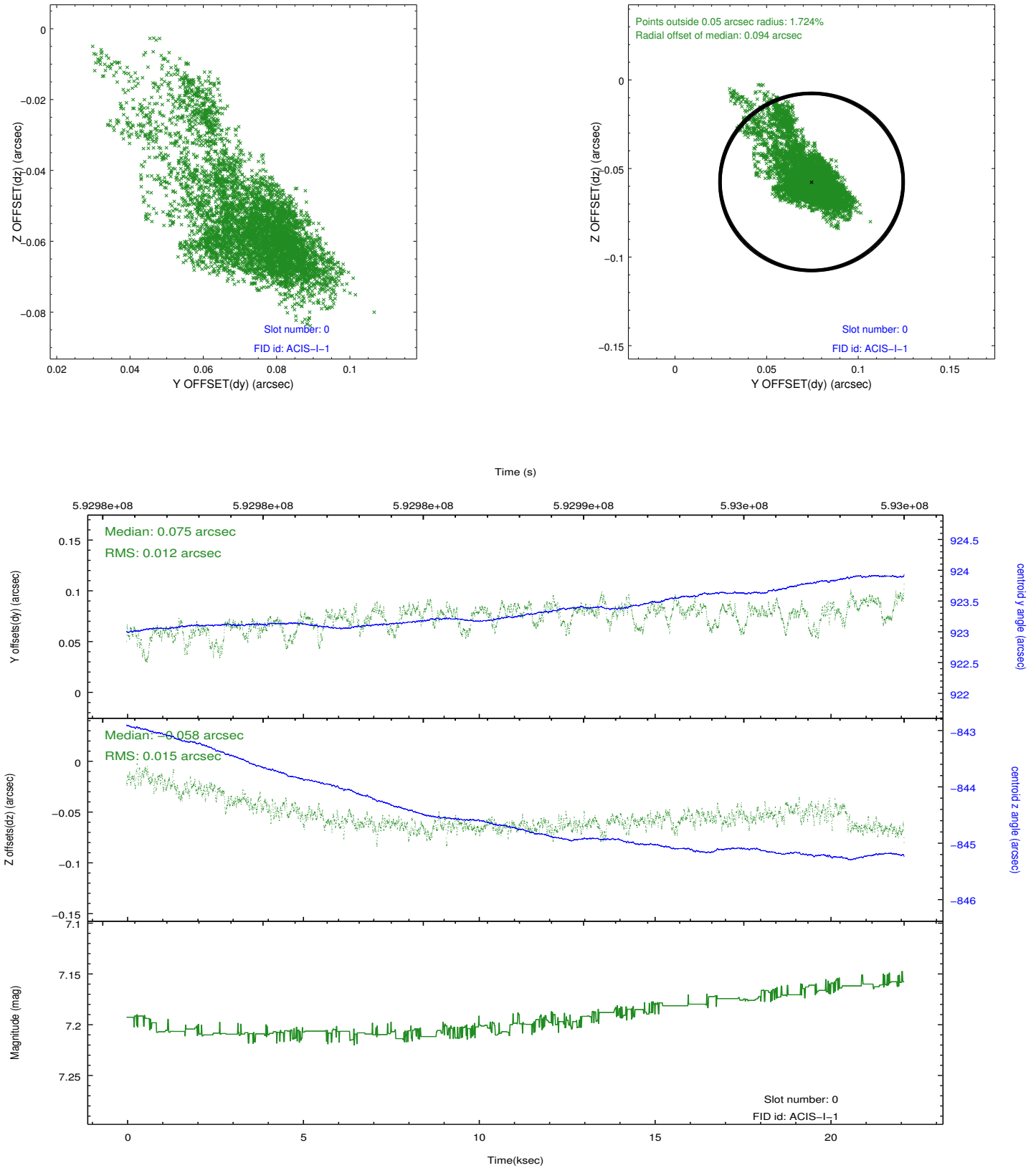


2.4.5 Slot 7

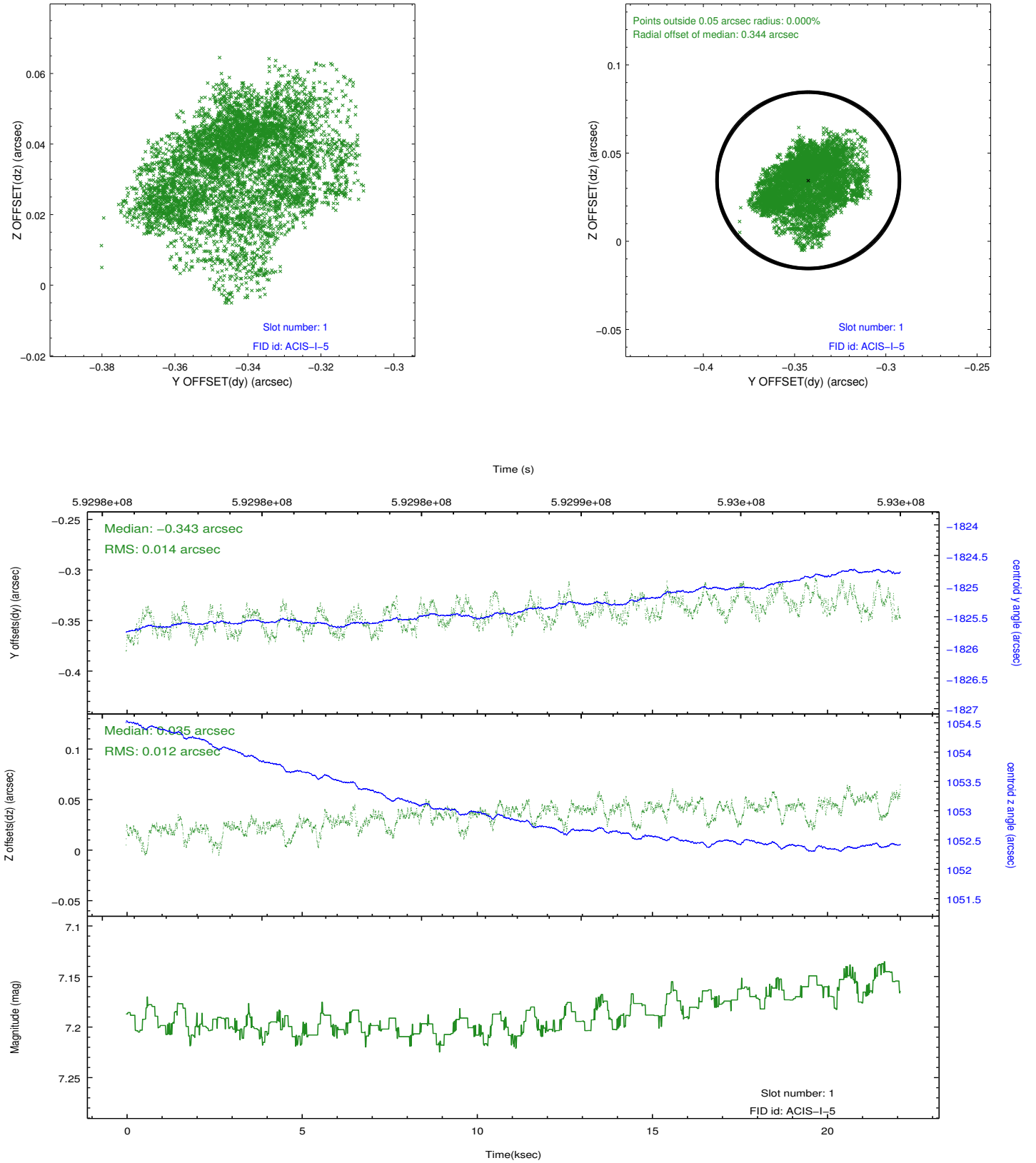


2.5 FID Slots

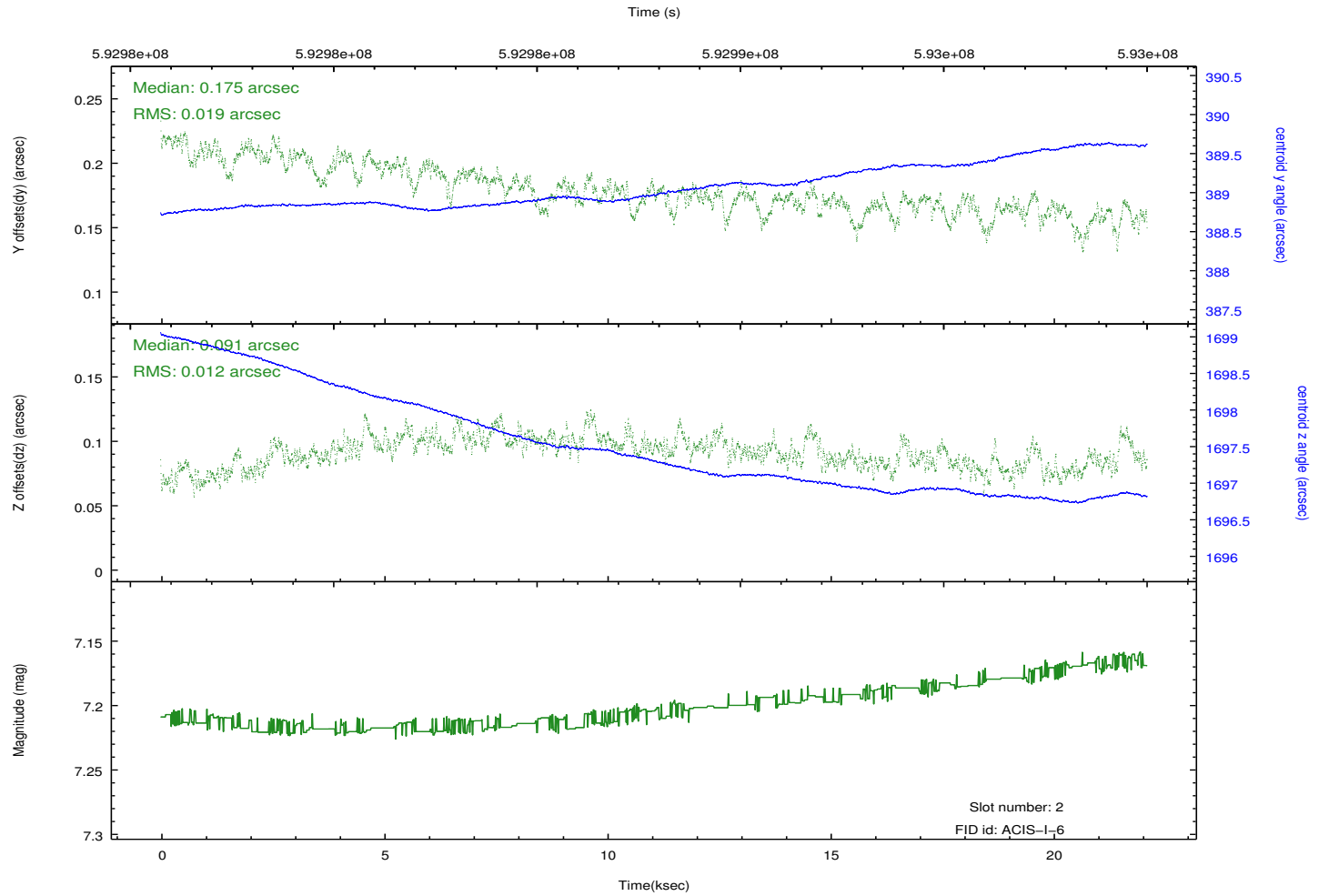
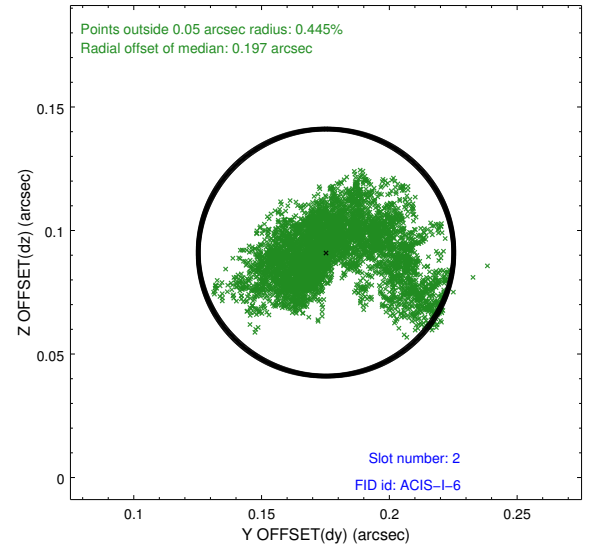
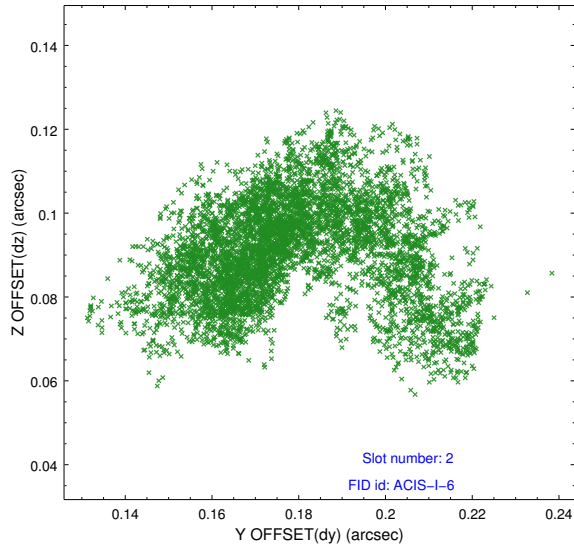
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.10.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.0998591398

A.2 Comments