

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 19893 - L2 Version 1
Chandra X-Ray Center

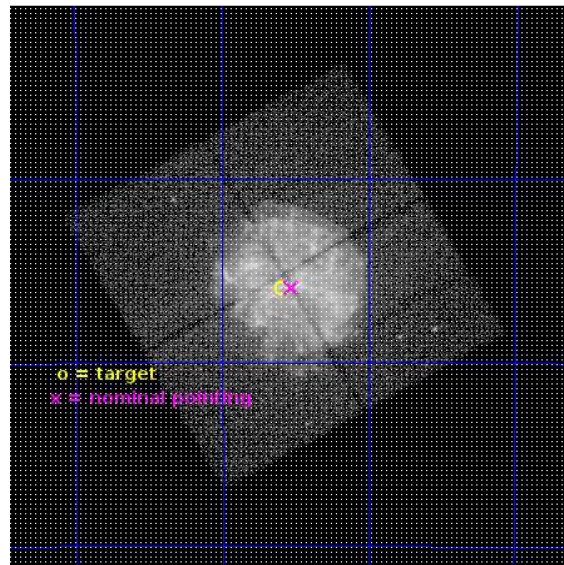
L2 Processing Date : Oct 7 2016

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1 Front

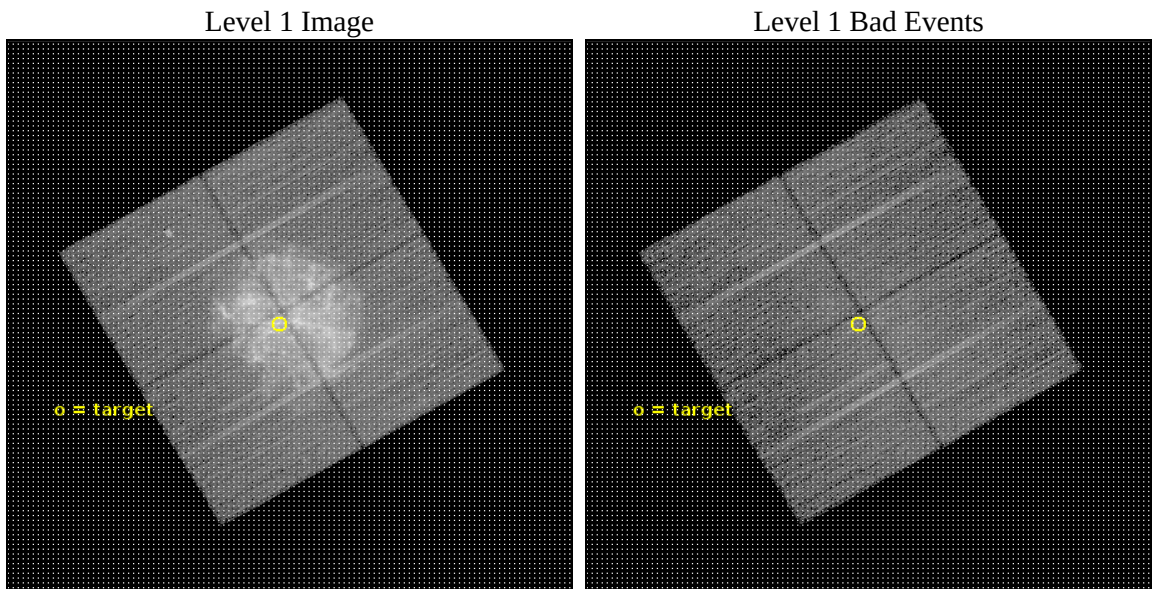
seq_num	502645	Sequence number
obs_id	19893	Observation id
title	Global Expansion and Internal Kinematics of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Kazimierz Borkowski	Principal investigator
object	G292.0+1.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.148542	Observer's specified target RA [deg]
dec_targ	-59.265661	Observer's specified target Dec [deg]
ra_nom	171.13187446169	Nominal RA [deg]
dec_nom	-59.265336928827	Nominal Dec [deg]
roll_nom	150.19435462565	Nominal Roll [deg]
revision	1	Processing version of data
ontime	31327.833323956	Sum of GTIs [s]
livetime	30918.512118363	Livetime [s]
ontime0	31321.428253531	Sum of GTIs [s]
ontime1	31327.751243949	Sum of GTIs [s]
ontime2	31324.651313782	Sum of GTIs [s]
ontime3	31327.833323956	Sum of GTIs [s]
l2events	652938	Number of level 2 events



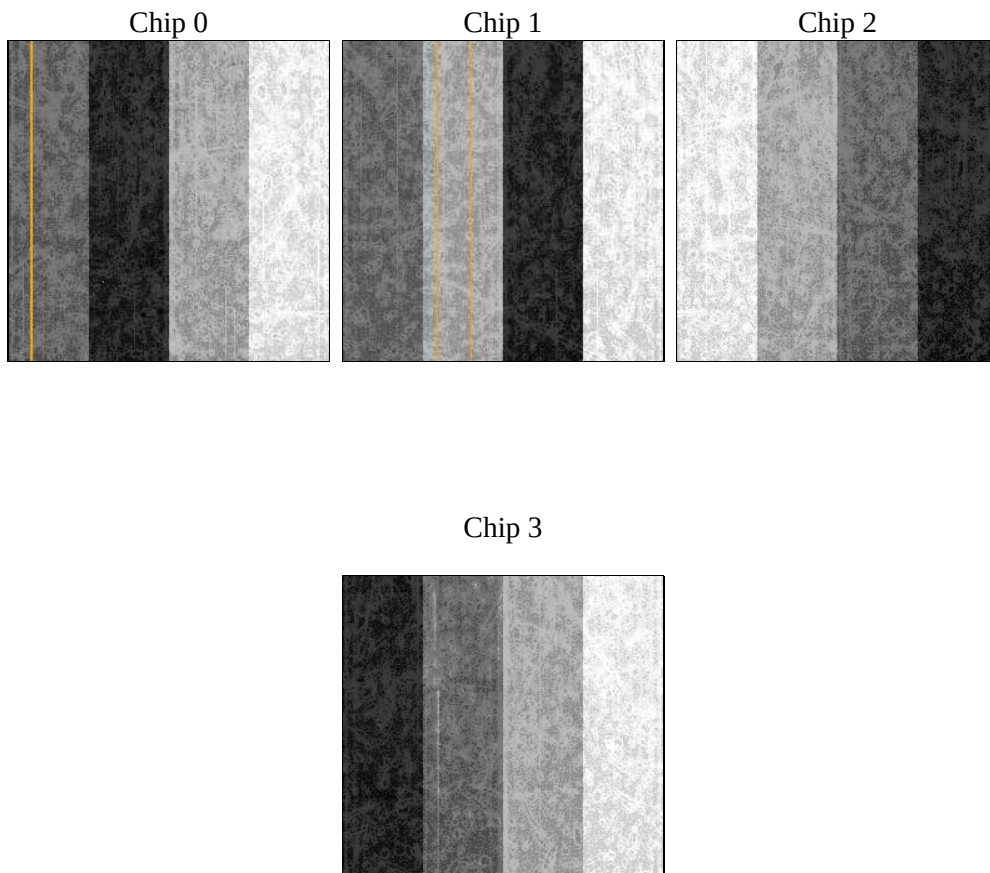
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31197.195000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	31327.833323956	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	31321.428253531	Sum of GTIs [s]
date	2016-10-07T19:09:55	Date and time of file creation	ontime1	31327.751243949	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	31324.651313782	Sum of GTIs [s]
			ontime3	31327.833323956	Sum of GTIs [s]
			l1events	1292713	Number of level 1 events

2.1.4 Events

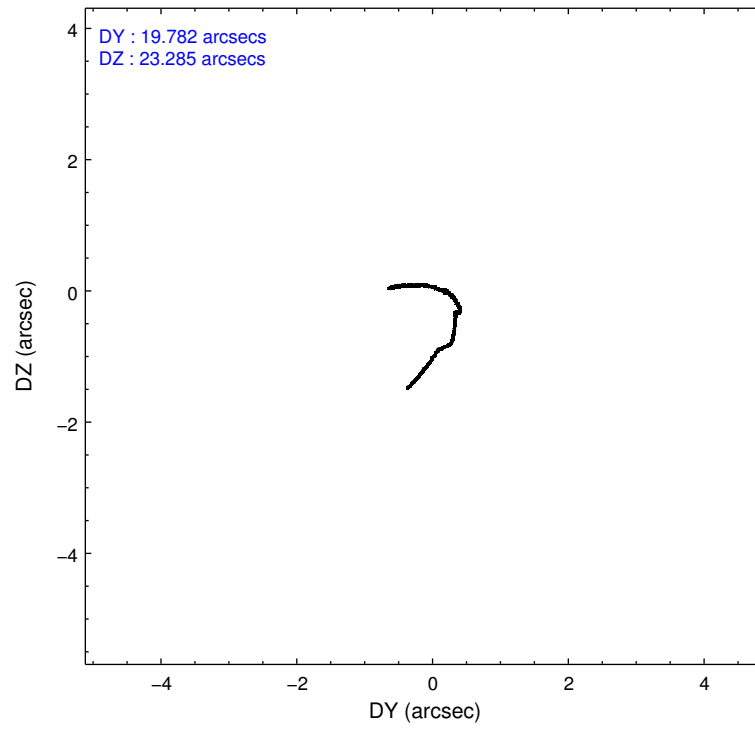
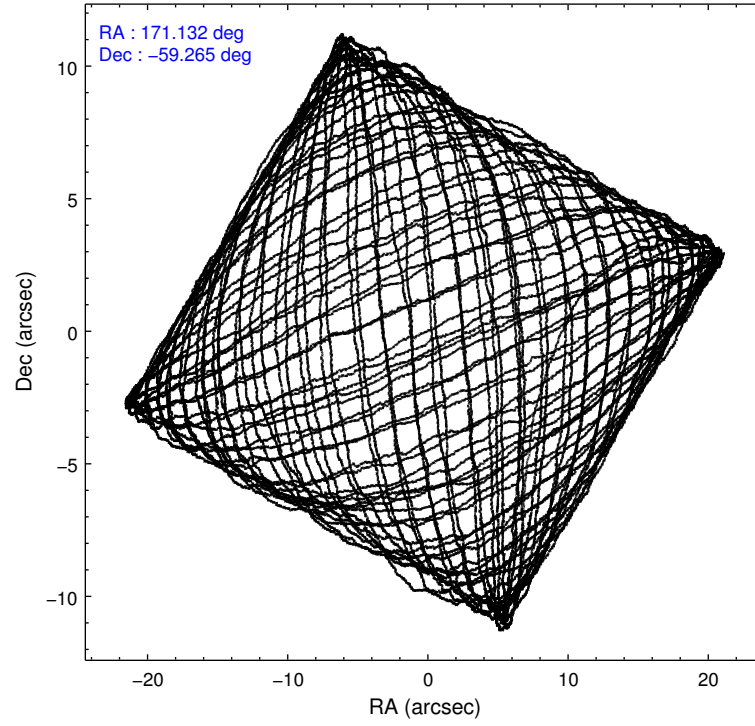
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	268060	276542	429709	318402
rejected events	137862	133579	168714	149039
rejected %	51%	48%	39%	46%

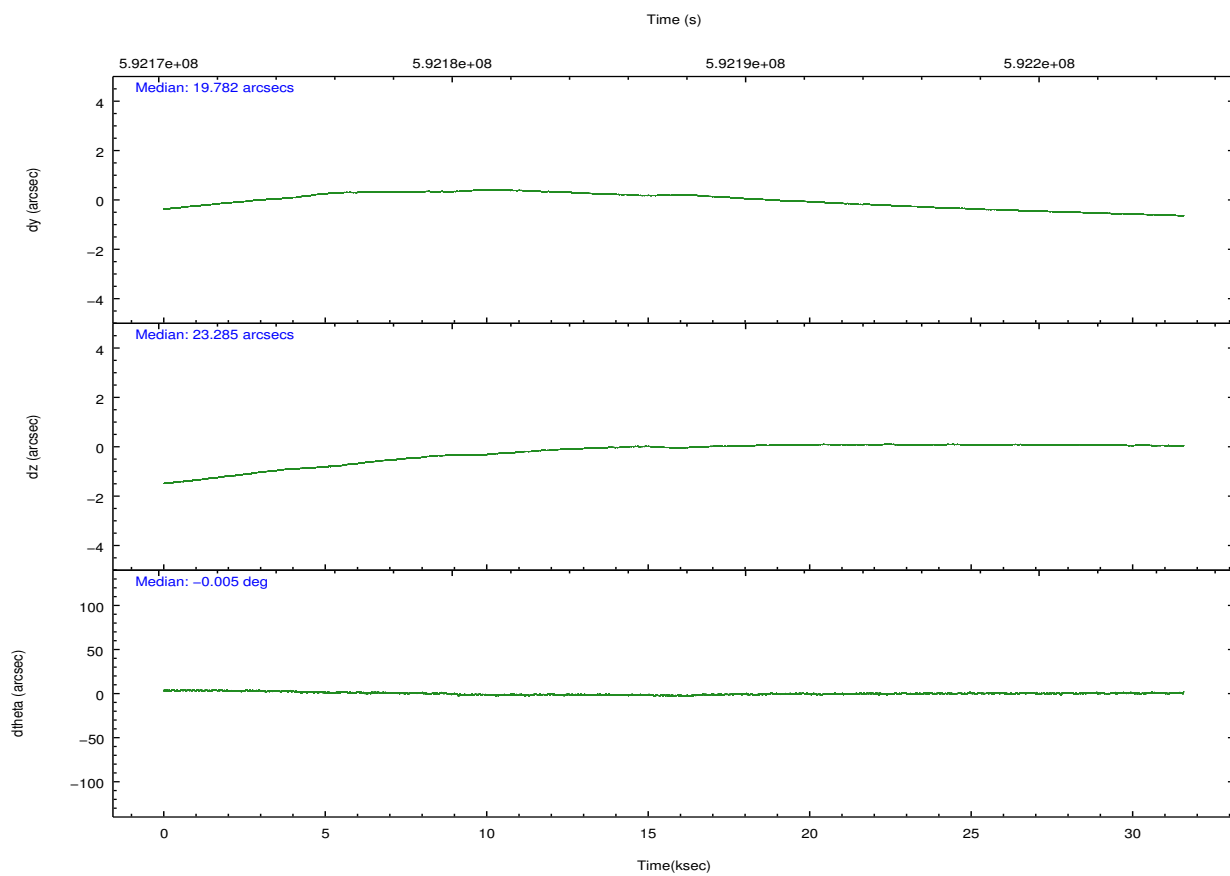
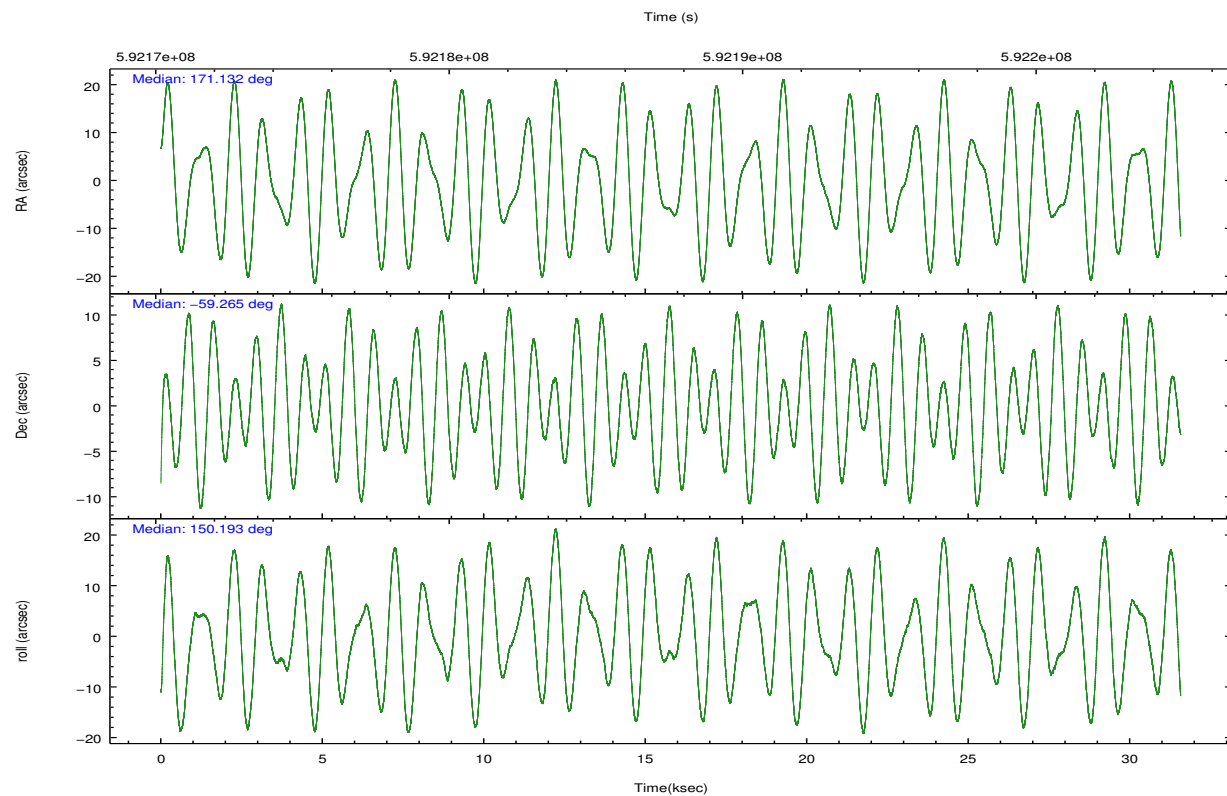
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	103737	114450	218228	138566
	38%	41%	50%	43%
grade 1 events	495	512	1281	785
	0%	0%	0%	0%
grade 2 events	14549	15218	24458	16240
	5%	5%	5%	5%
grade 3 events	4169	4582	6724	5071
	1%	1%	1%	1%
grade 4 events	3985	4398	6739	5015
	1%	1%	1%	1%
grade 5 events	3998	4645	4109	4782
	1%	1%	0%	1%
grade 6 events	3773	4334	4872	4490
	1%	1%	1%	1%
grade 7 events	133354	128403	163298	143453
	49%	46%	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	171.185818	171.1318744616879	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.265135	-59.26533692882706	Alternating exposures requested	N	N
[deg] Pointing Roll	150.032039	150.1943546256508	[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)	592172160.184000	592171157.35858			
Observation start date	2016-10-06T20:14:52	2016-10-06T19:59:17			
[s] Observation end time (MET)	592203357.184000	592203584.26045			
Observation end date	2016-10-07T04:54:49	2016-10-07T04:59:44			
Read mode	TIMED	TIMED			

2.3 Aspect



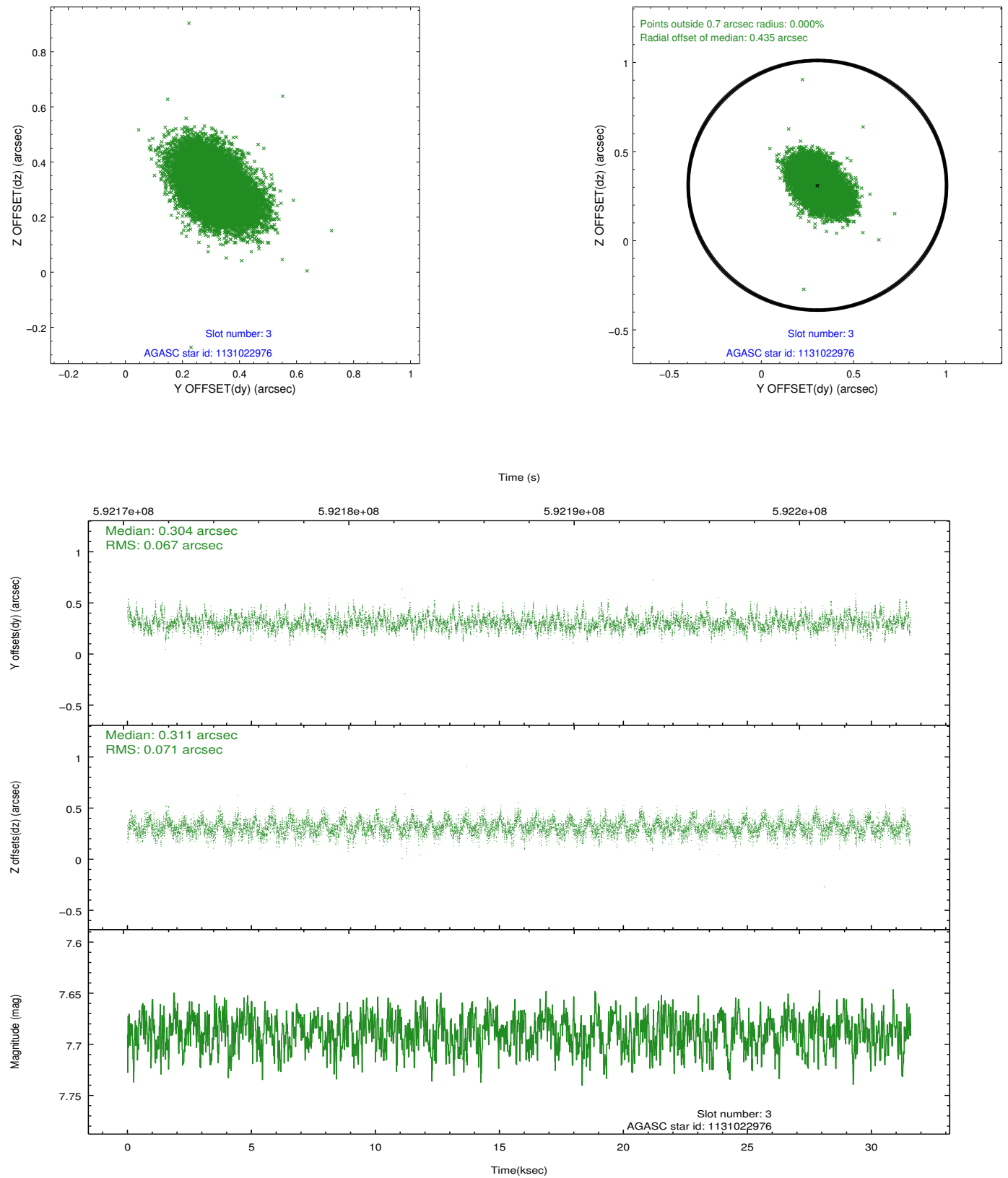


Slot Statistics

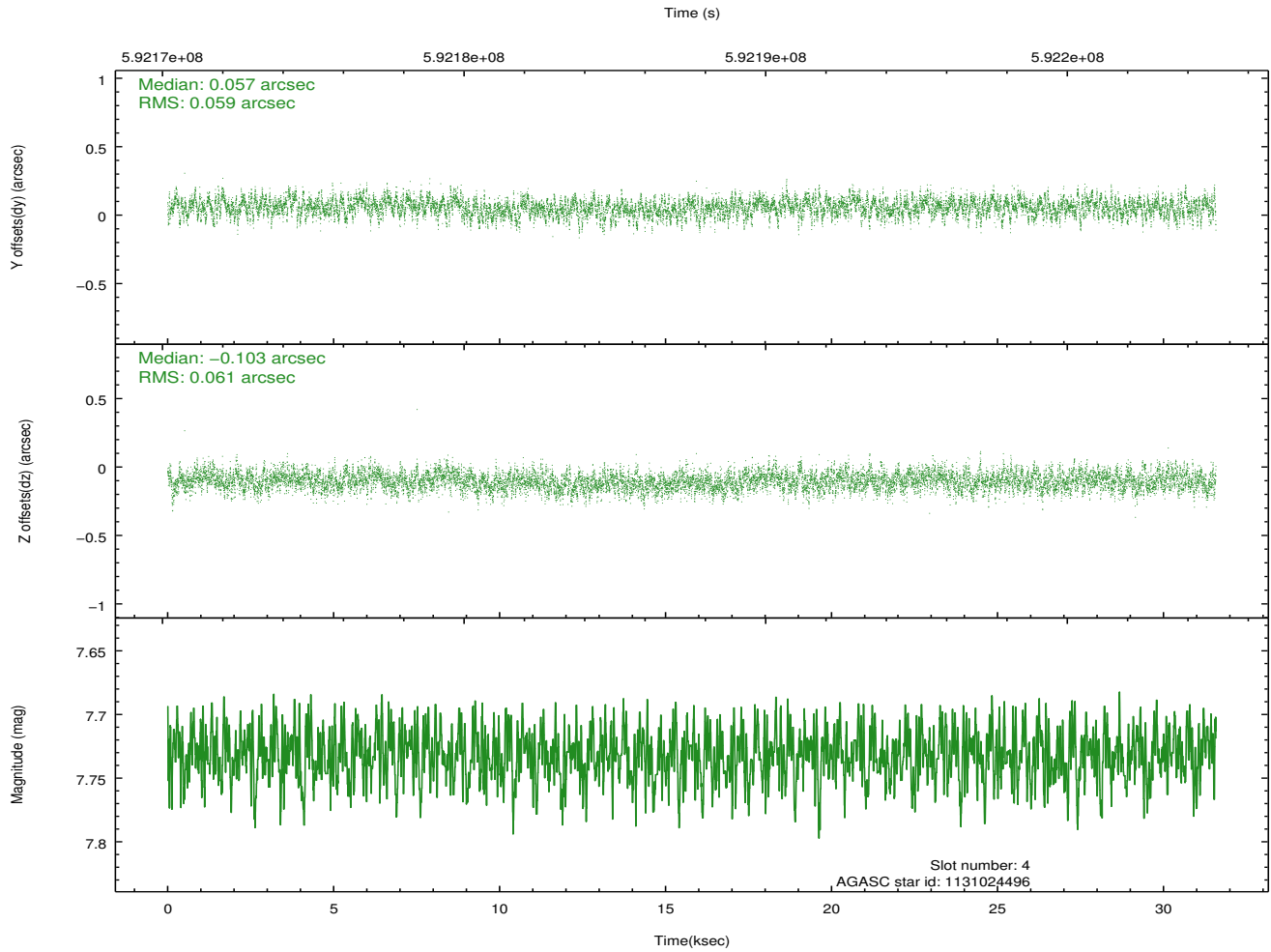
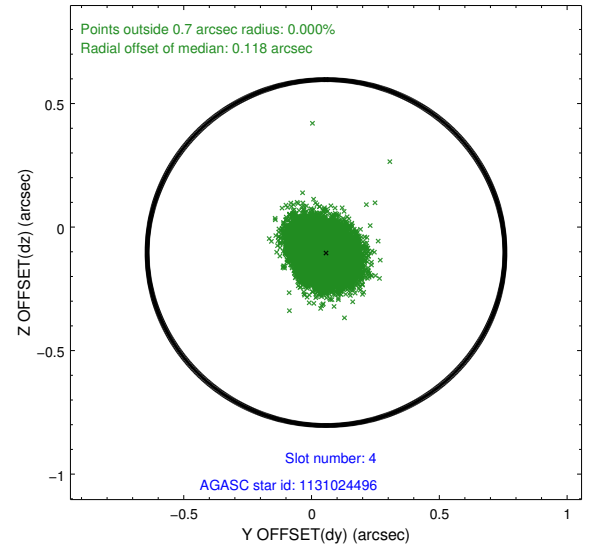
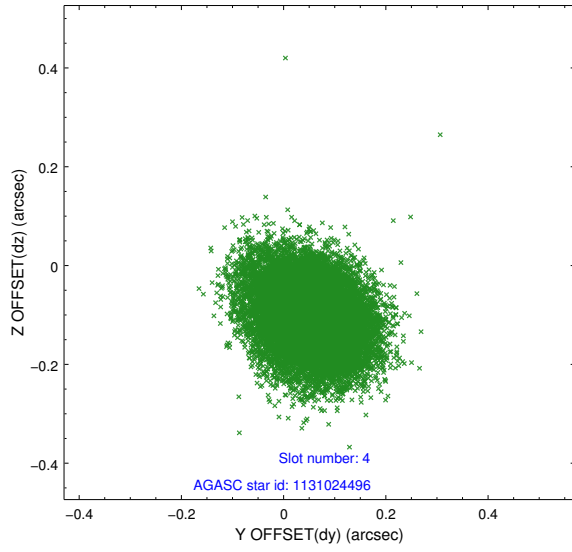
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.09	7702	0.062	0.008	0.018	0.063	0.000000	0.000000	919.69	-846.80
1	FID		ACIS-I-5	7.08	7701	-0.366	0.030	0.012	0.021	0.000000	0.000000	-1828.91	1050.54
2	FID		ACIS-I-6	7.10	7702	0.210	0.035	0.014	0.044	0.000000	0.000000	385.18	1695.24
3	GUIDE	used	1131022976	7.69	15404	0.304	0.311	0.101	0.175	171.601311	-59.282289	-693.22	-325.57
4	GUIDE	used	1131024496	7.73	15402	0.057	-0.103	0.091	0.147	170.002192	-59.188051	2020.05	866.74
5	GUIDE	used	1131027296	7.51	15400	-0.421	-0.431	0.082	0.143	170.725176	-59.738880	-129.33	1897.27
6	GUIDE	used	1131026672	6.91	15403	-0.074	-0.039	0.075	0.128	170.822180	-58.787471	1446.62	-1148.86
7	GUIDE	used	1131024656	8.90	15391	0.133	0.260	0.111	0.183	172.592368	-59.171017	-2091.67	-1565.63

2.4 Star Slots

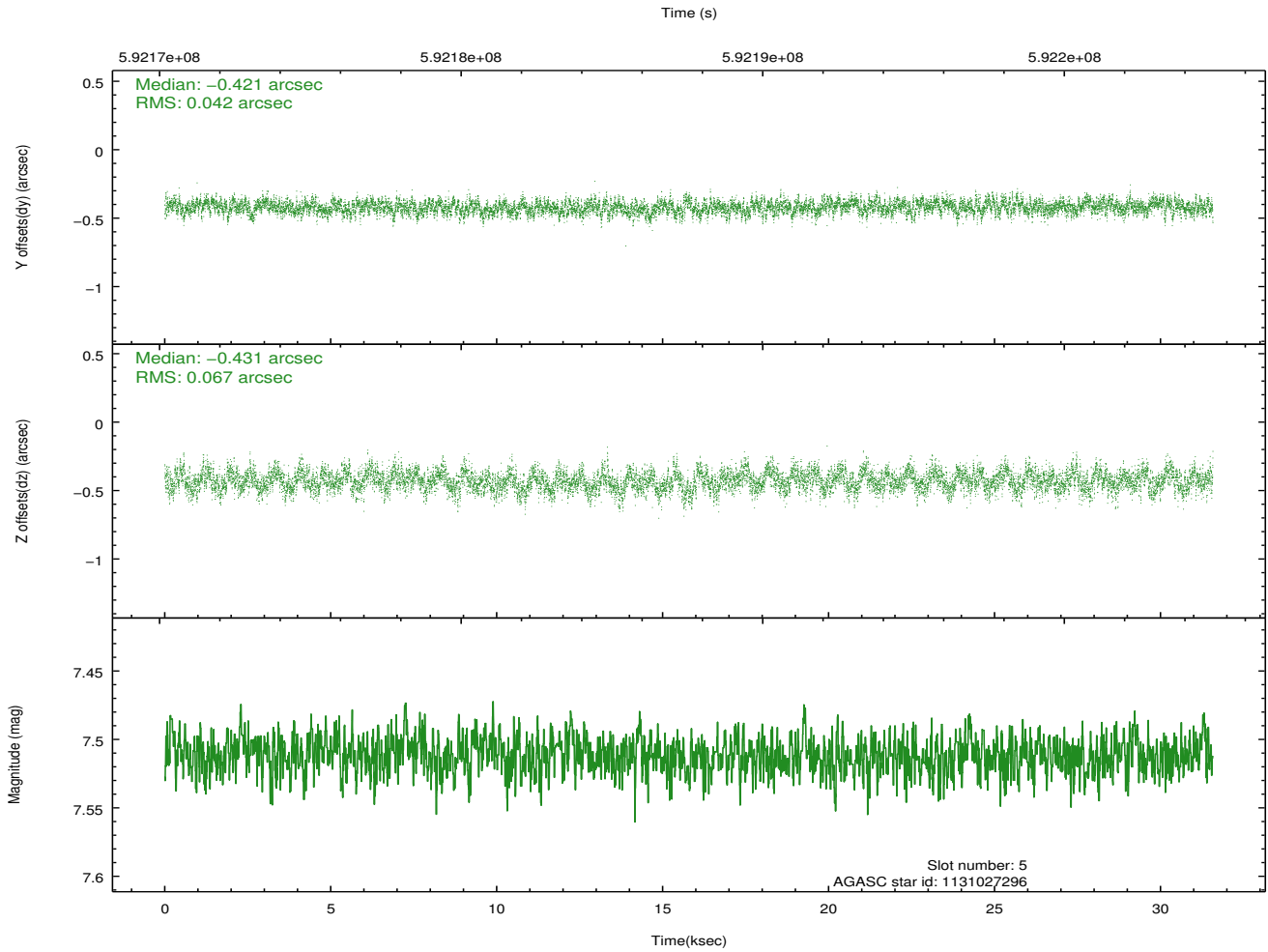
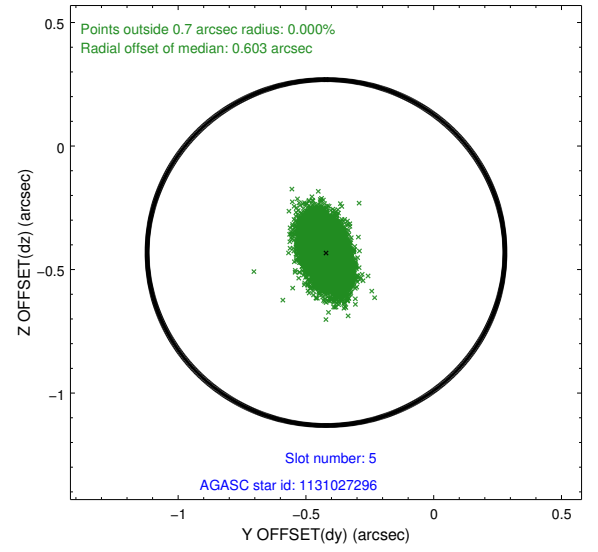
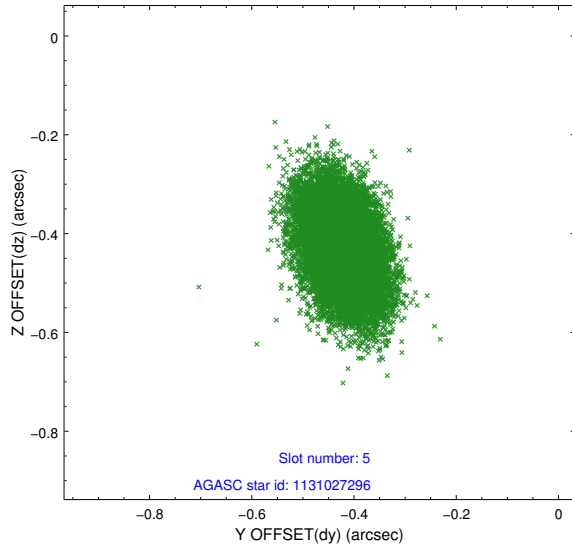
2.4.1 Slot 3



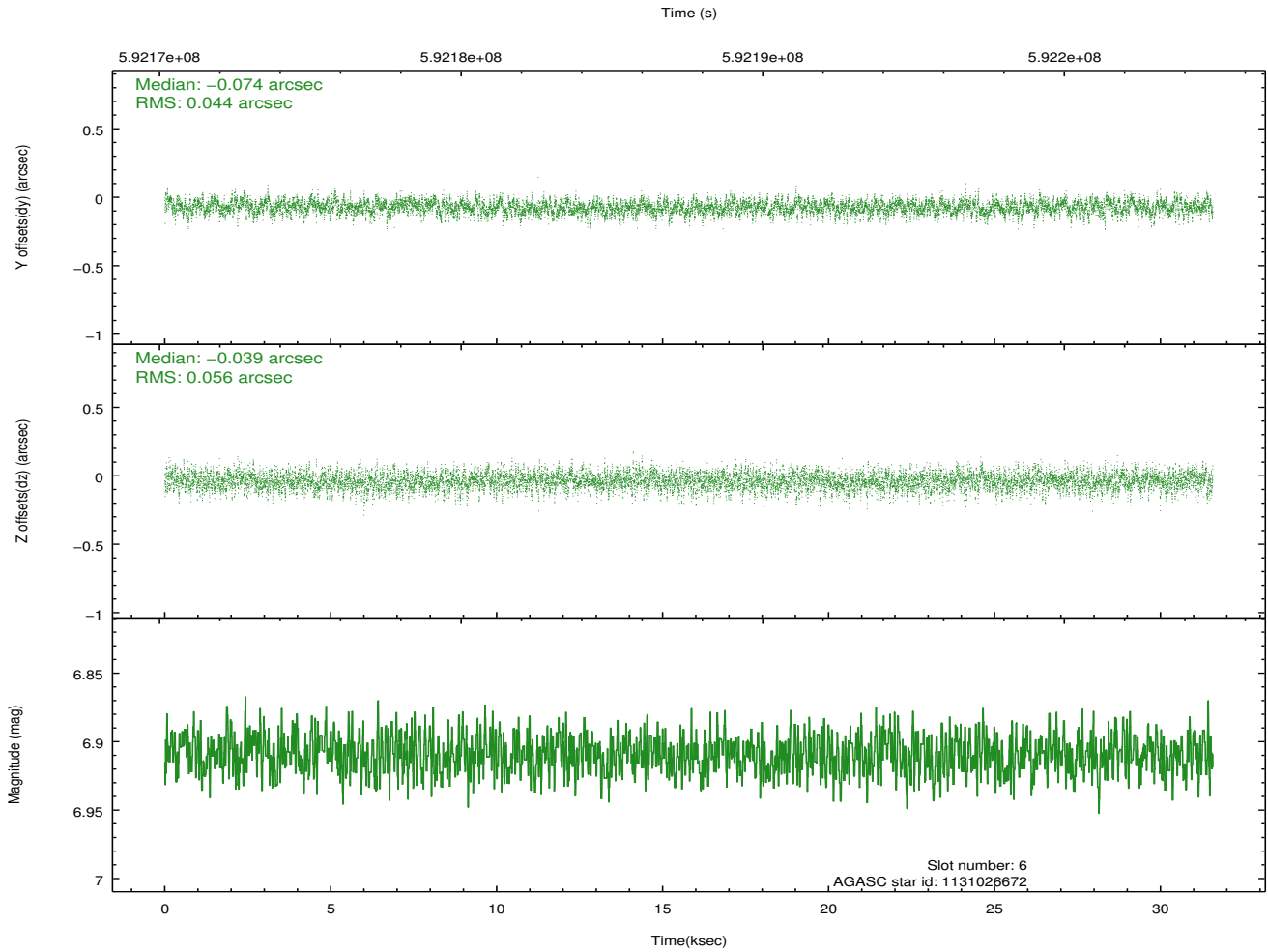
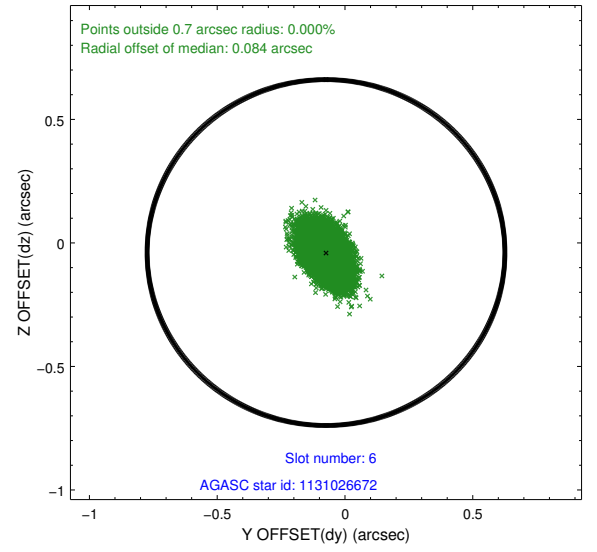
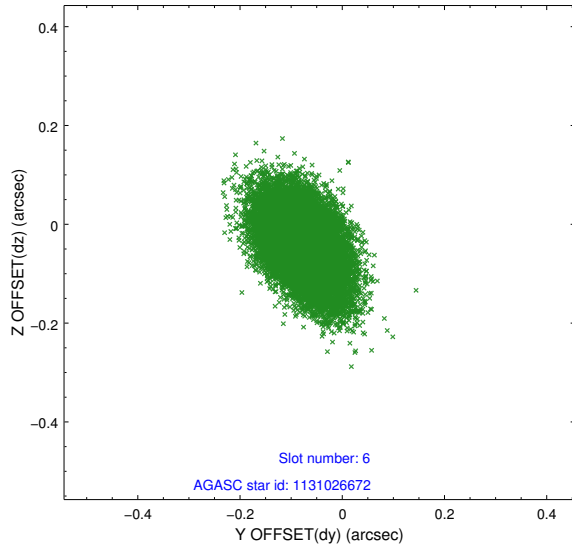
2.4.2 Slot 4



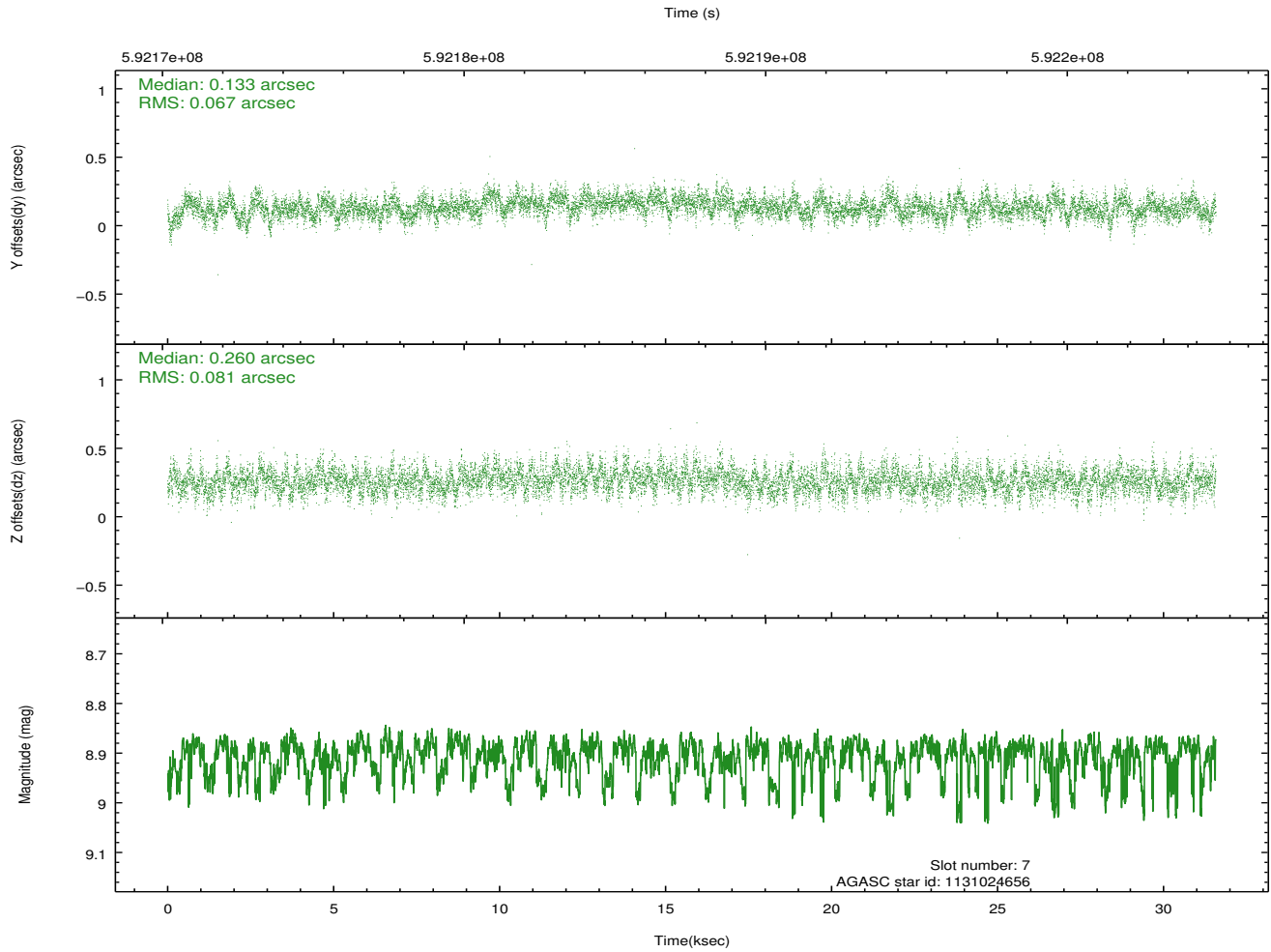
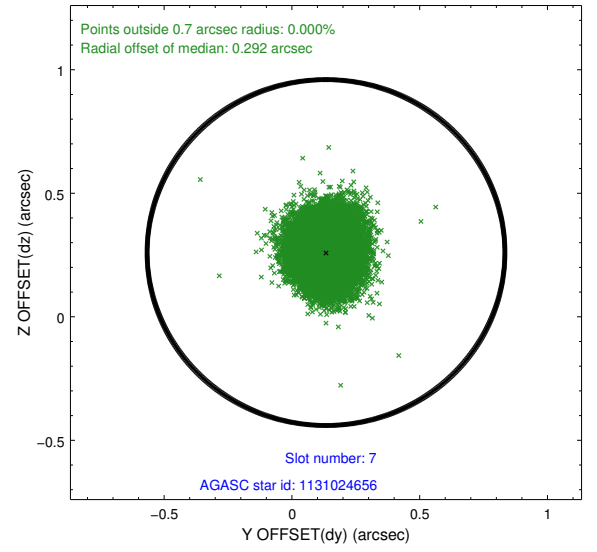
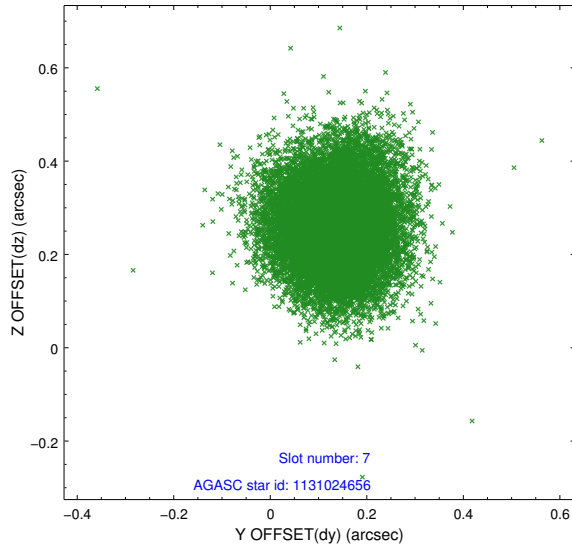
2.4.3 Slot 5



2.4.4 Slot 6

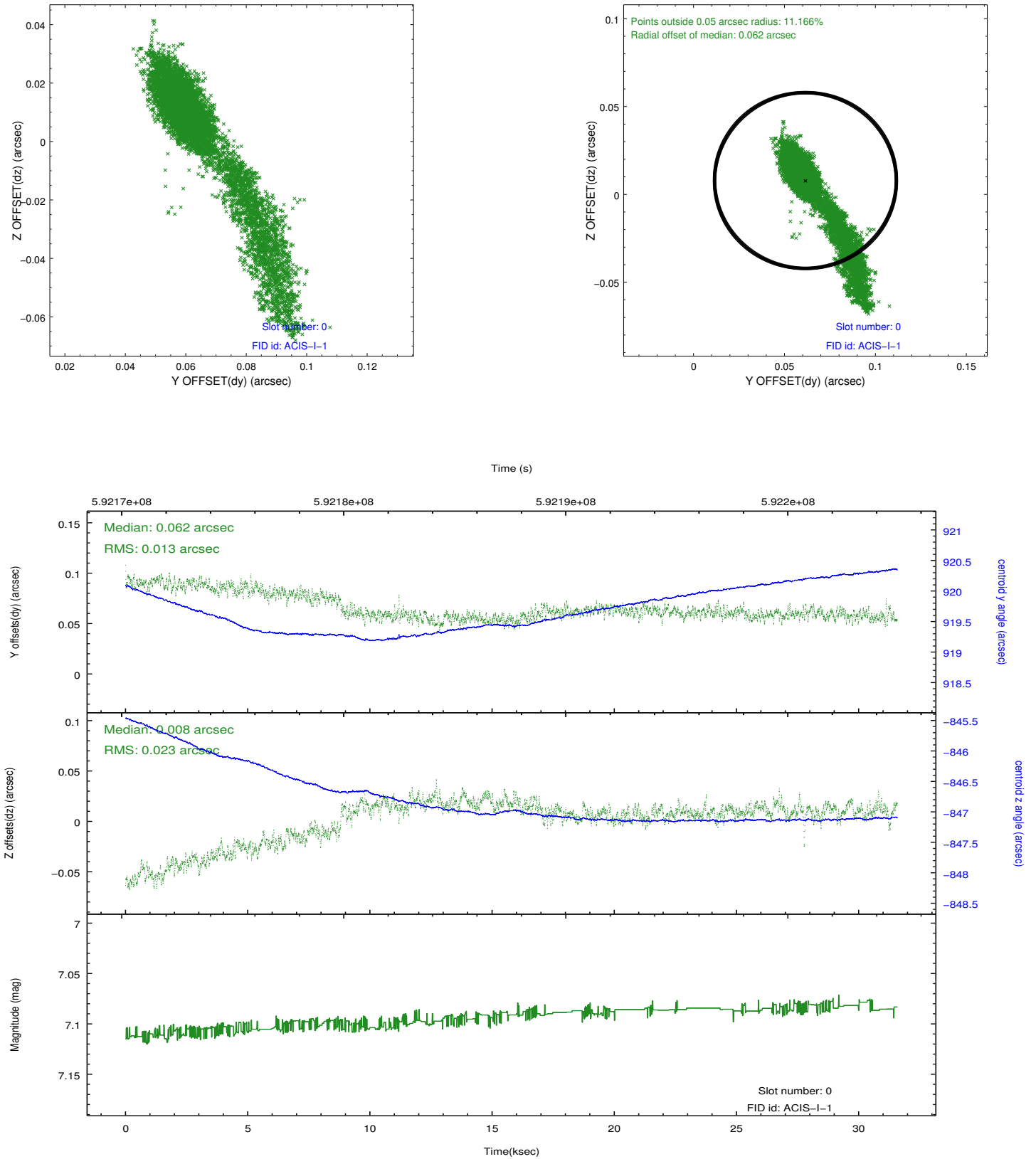


2.4.5 Slot 7

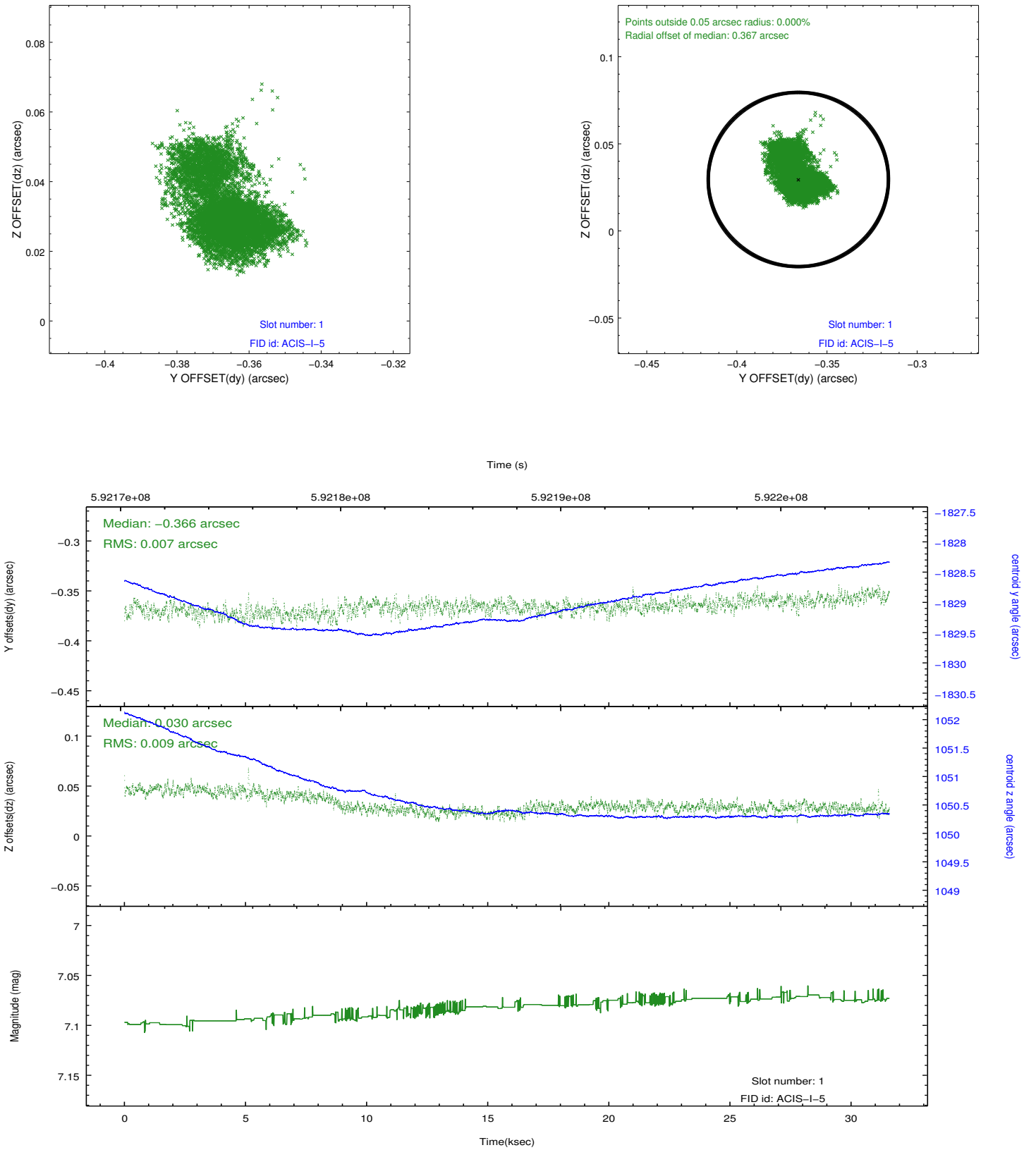


2.5 FID Slots

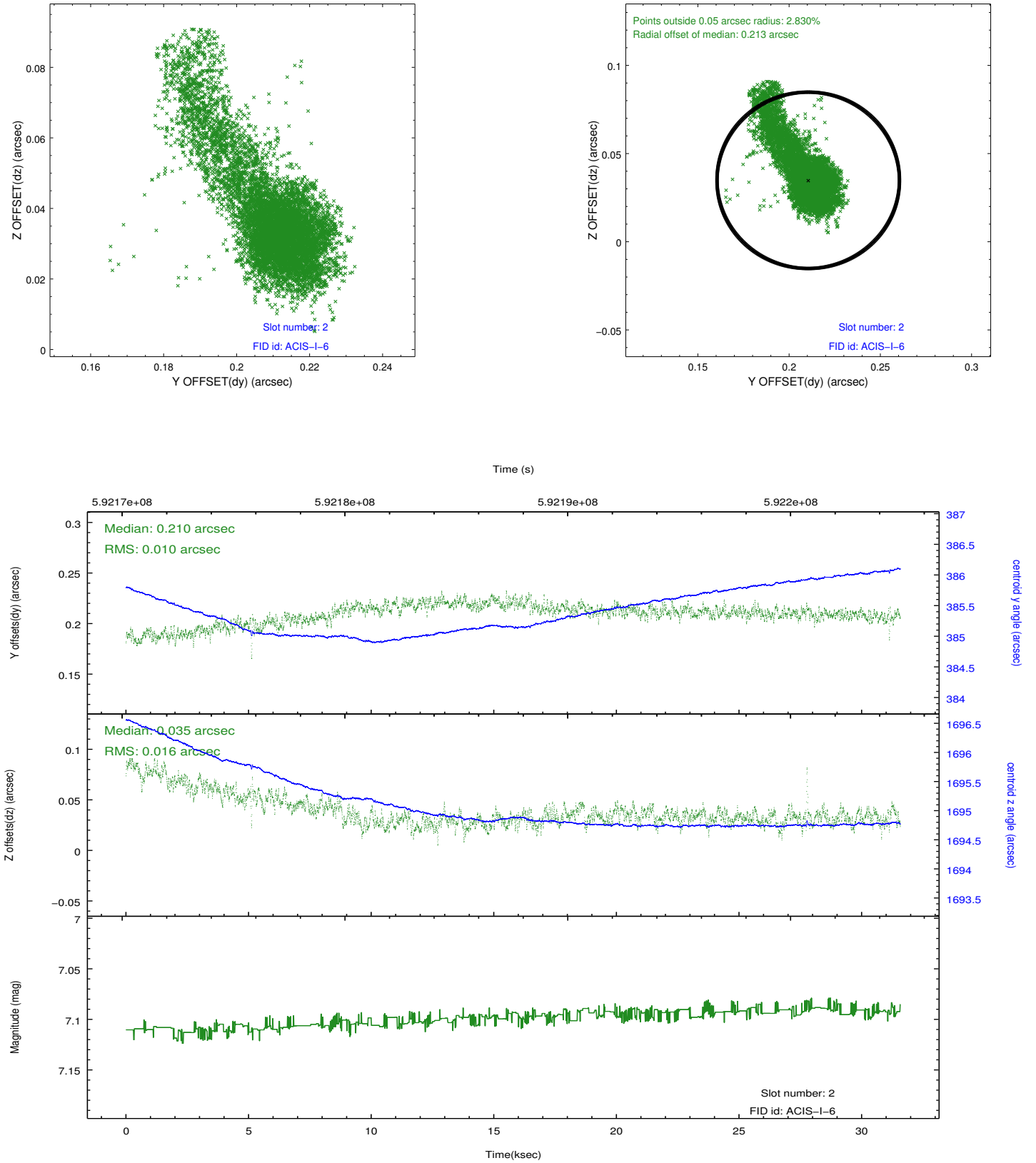
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.327833323956

A.2 Comments