

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 19897 - L2 Version 1
Chandra X-Ray Center

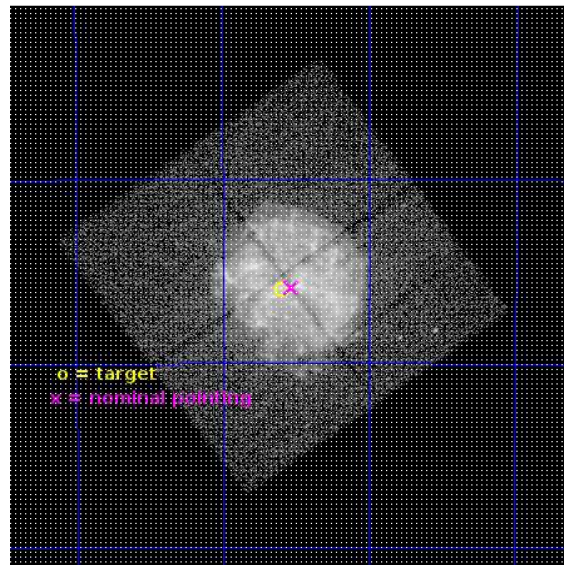
L2 Processing Date : Oct 15 2016

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1 Front

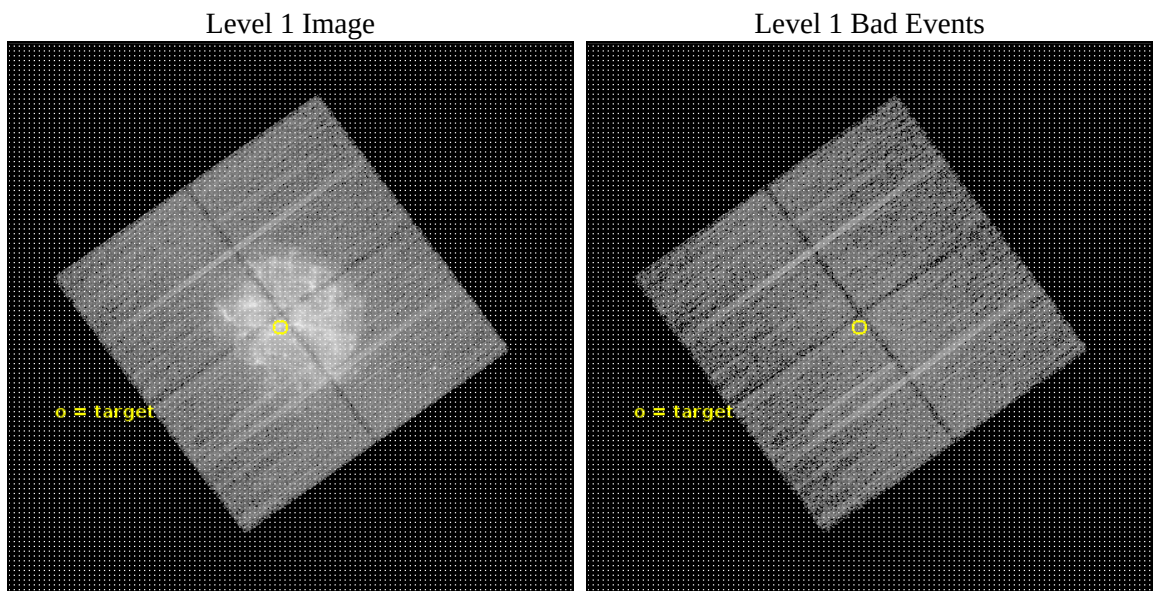
seq_num	502645	Sequence number
obs_id	19897	Observation id
title	Global Expansion and Internal Kinematics of the Oxygen-Rich Supernova Remnant G292.0+1.8	Proposal title
observer	Kazimierz Borkowski	Principal investigator
object	G292.0+1.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.148542	Observer's specified target RA [deg]
dec_targ	-59.265661	Observer's specified target Dec [deg]
ra_nom	171.13285858275	Nominal RA [deg]
dec_nom	-59.264522547352	Nominal Dec [deg]
roll_nom	144.19521857021	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23445.259220123	Sum of GTIs [s]
livetime	23138.929648264	Livetime [s]
ontime0	23448.400180459	Sum of GTIs [s]
ontime1	23448.400180459	Sum of GTIs [s]
ontime2	23442.118219972	Sum of GTIs [s]
ontime3	23445.259220123	Sum of GTIs [s]
l2events	488496	Number of level 2 events



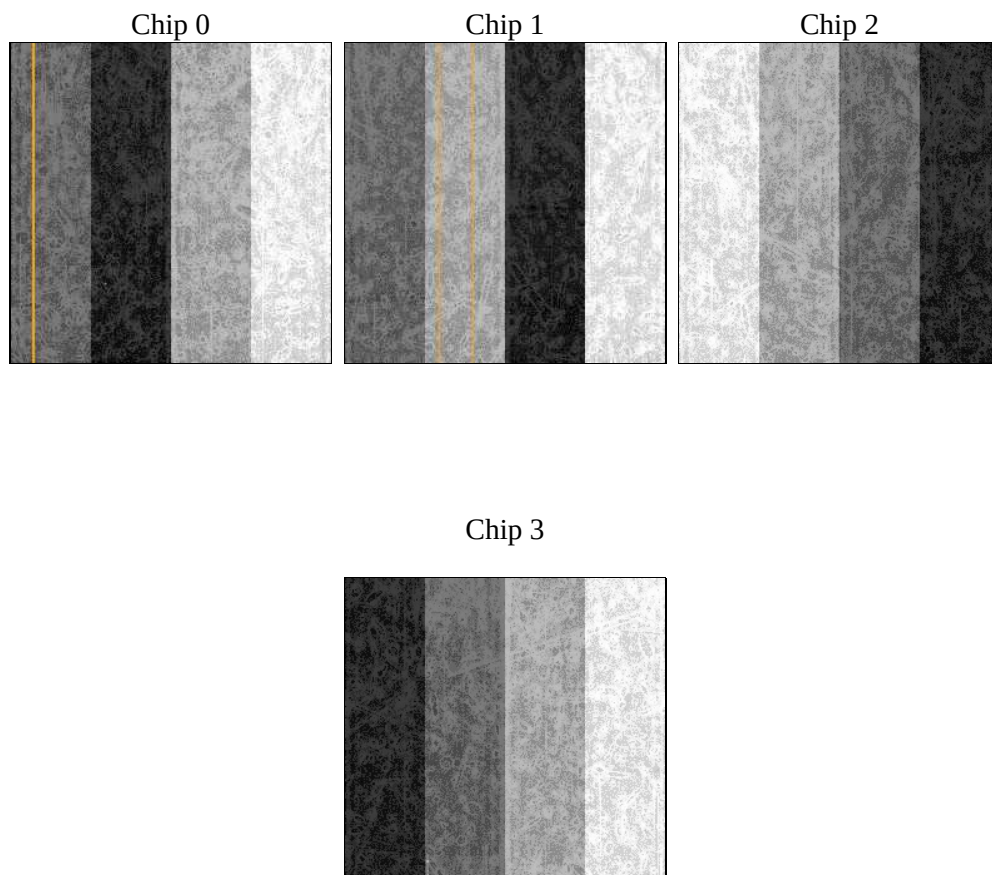
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23317.318000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	23445.259220123	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	23448.400180459	Sum of GTIs [s]
date	2016-10-15T15:09:06	Date and time of file creation	ontime1	23448.400180459	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	23442.118219972	Sum of GTIs [s]
			ontime3	23445.259220123	Sum of GTIs [s]
			l1events	981275	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	200750	210046	324333	246146
rejected events	104483	104969	127345	117986
rejected %	52%	49%	39%	47%

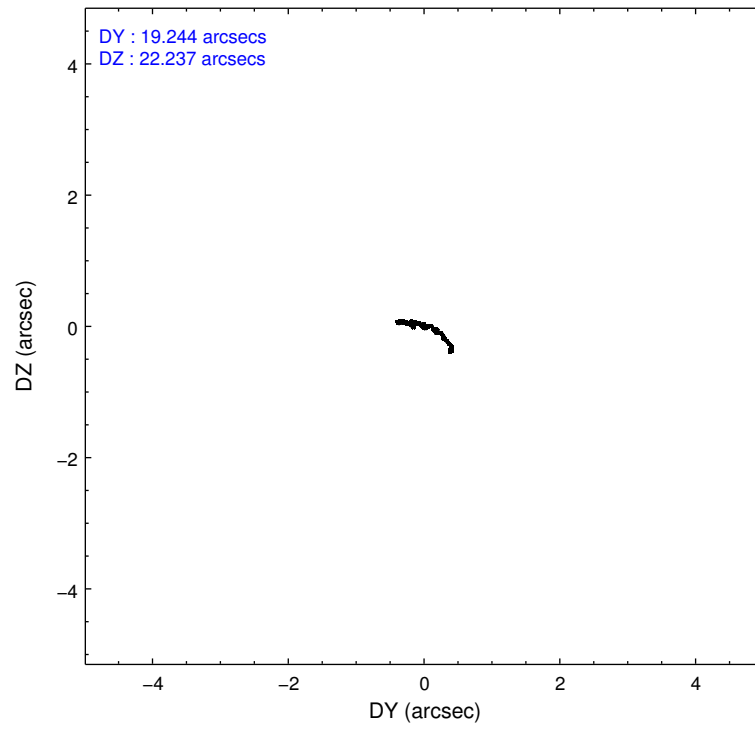
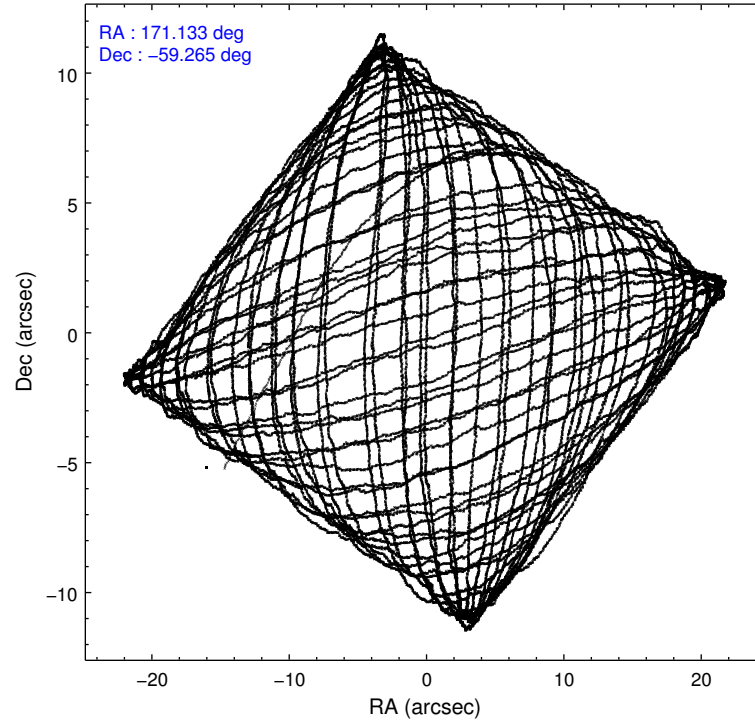
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	76602	83944	164843	105088
	38%	39%	50%	42%
grade 1 events	398	390	974	603
	0%	0%	0%	0%
grade 2 events	10533	11393	18137	12161
	5%	5%	5%	4%
grade 3 events	3132	3329	5054	3752
	1%	1%	1%	1%
grade 4 events	3067	3177	5303	3794
	1%	1%	1%	1%
grade 5 events	3024	3244	3226	3651
	1%	1%	0%	1%
grade 6 events	2953	3269	3696	3398
	1%	1%	1%	1%
grade 7 events	101041	101300	123100	113699
	50%	48%	37%	46%

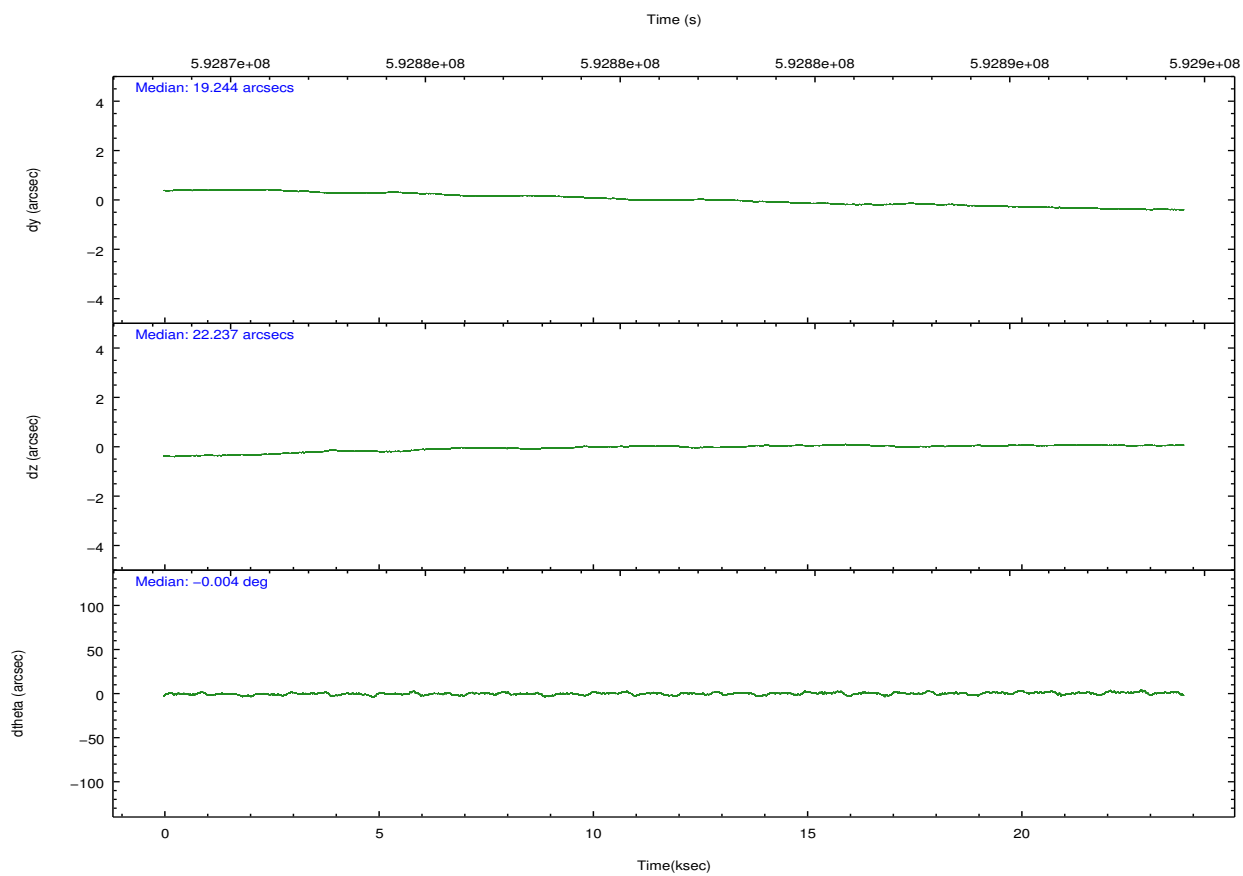
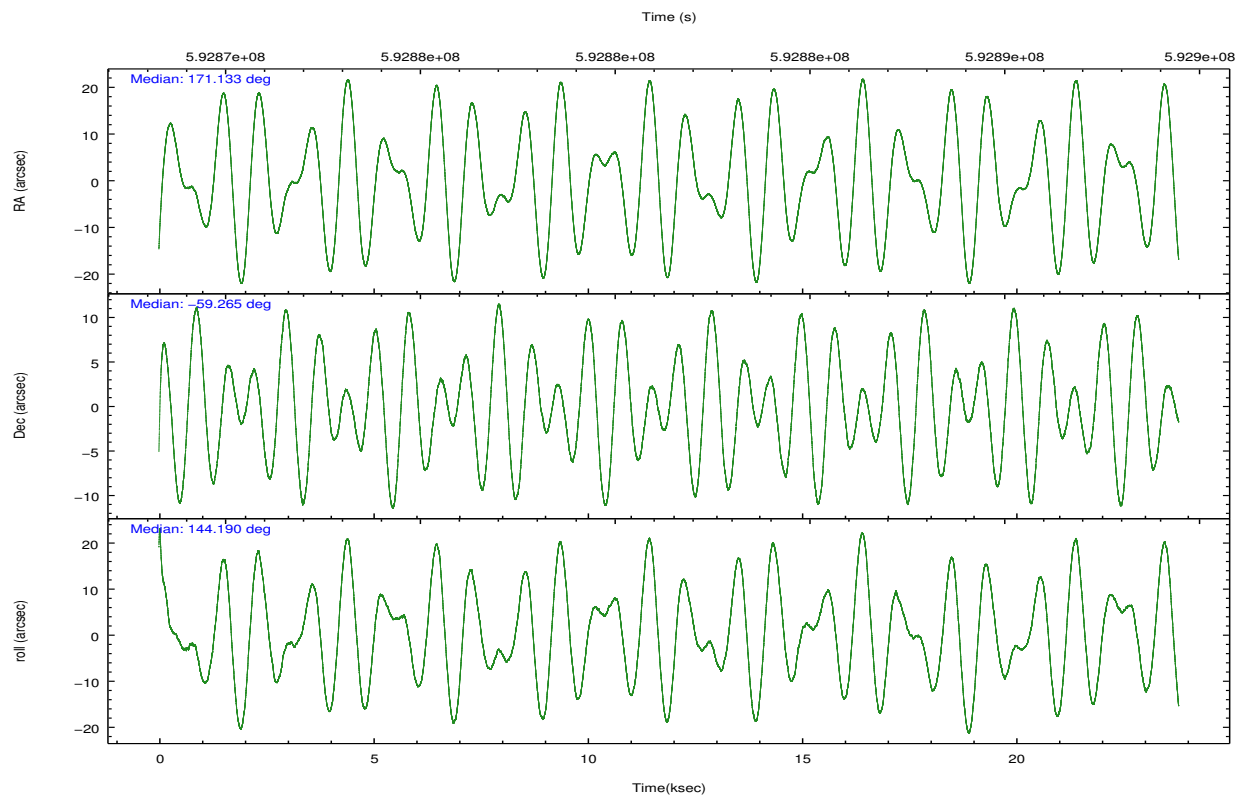
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-0123	ACIS-0123
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	171.186556	171.1328585827458
[deg] Pointing Dec	-59.267204	-59.26452254735157
[deg] Pointing Roll	144.032674	144.1952185702114
[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)	592869962.184000	592868908.7237999
Observation start date	2016-10-14T22:04:54	2016-10-14T21:48:28
[s] Observation end time (MET)	592893279.184000	592893511.28772
Observation end date	2016-10-15T04:33:31	2016-10-15T04:38:31
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



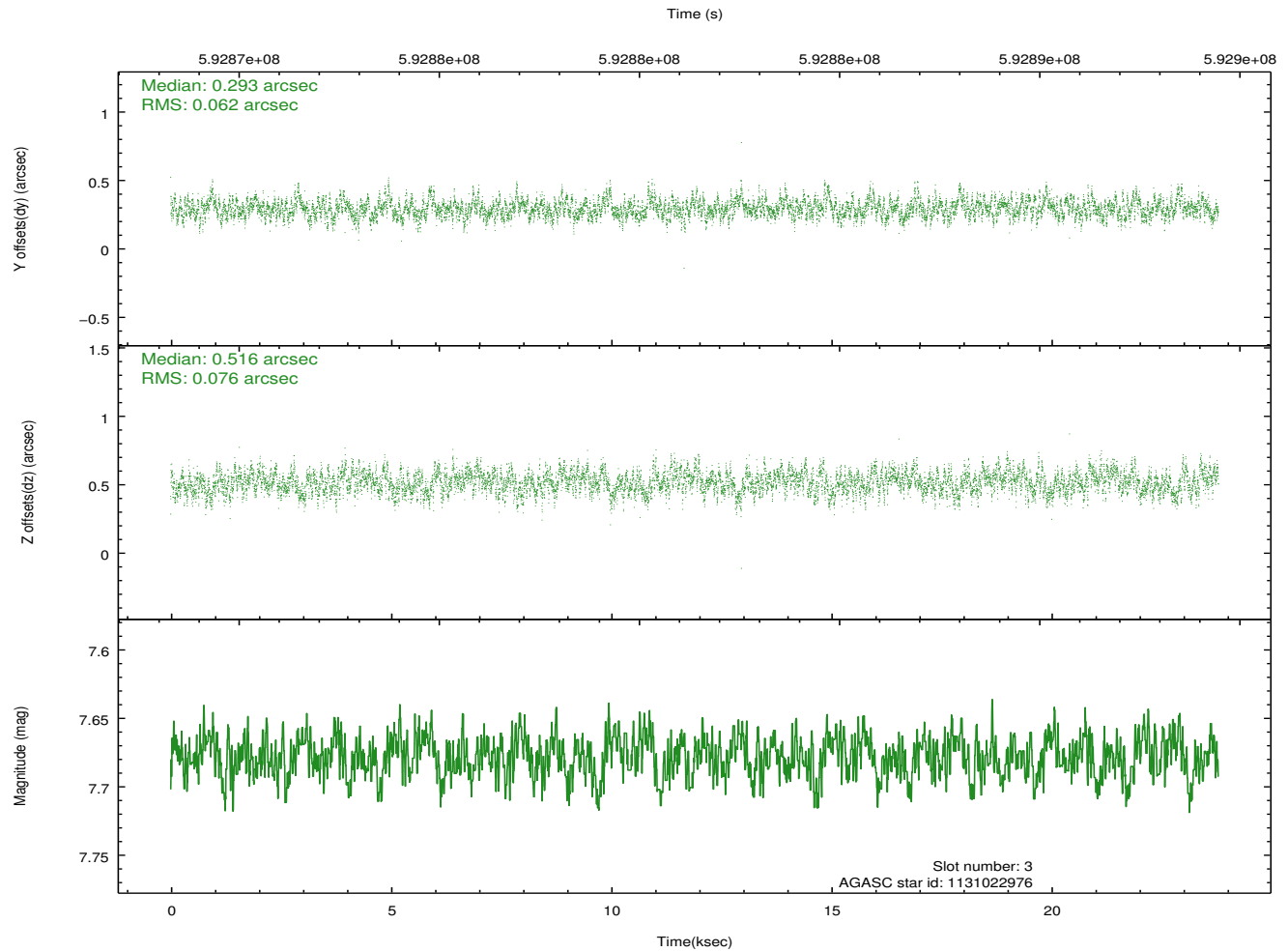
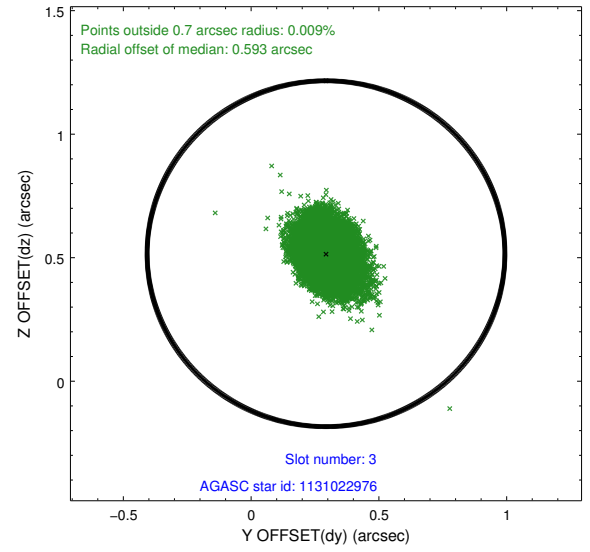
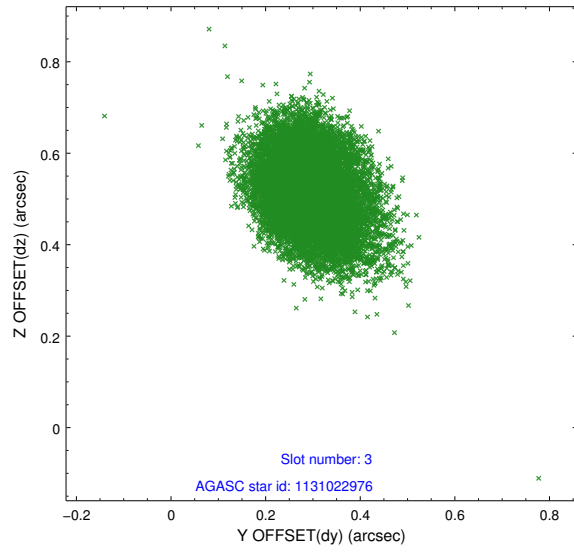


Slot Statistics

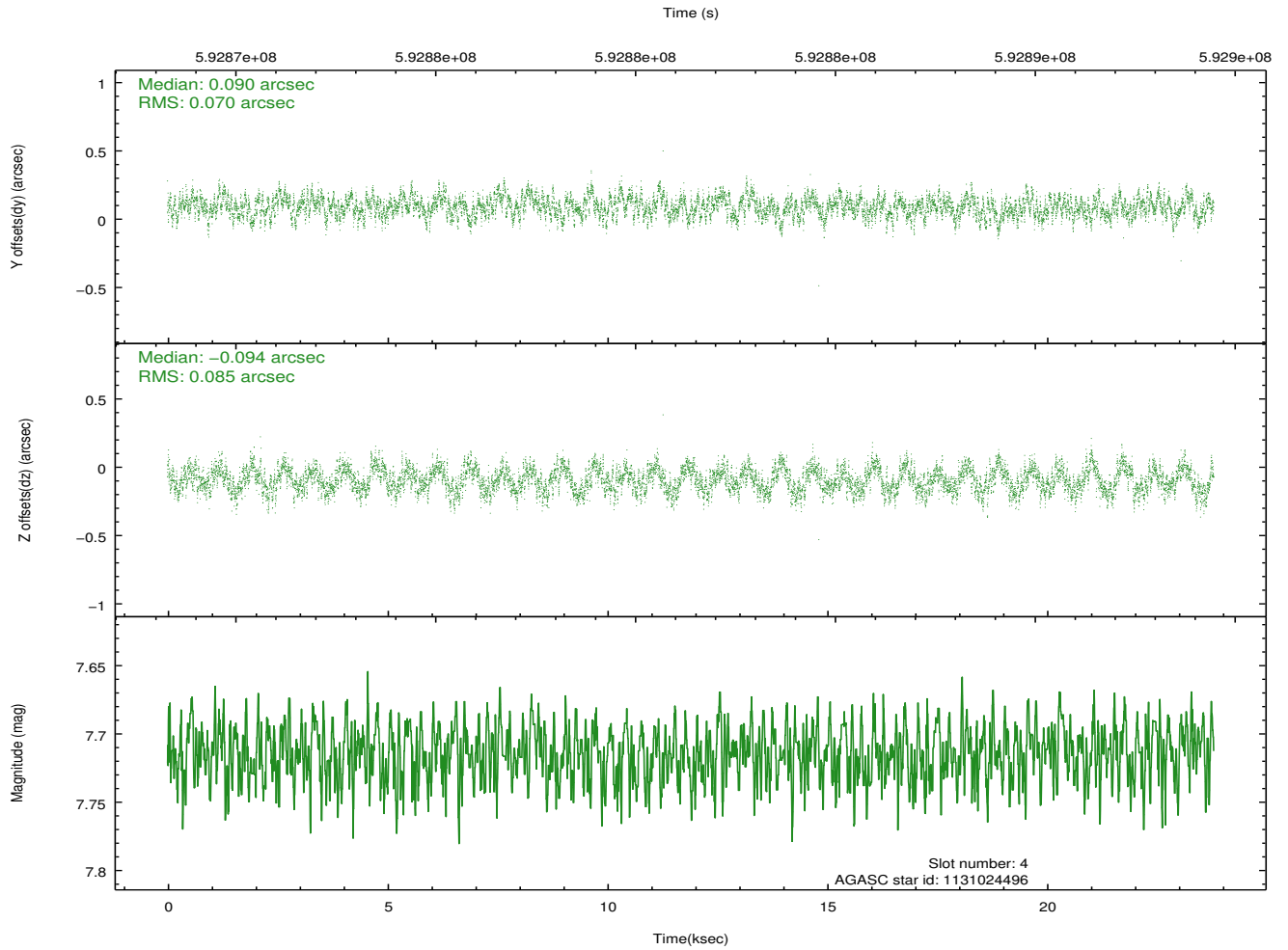
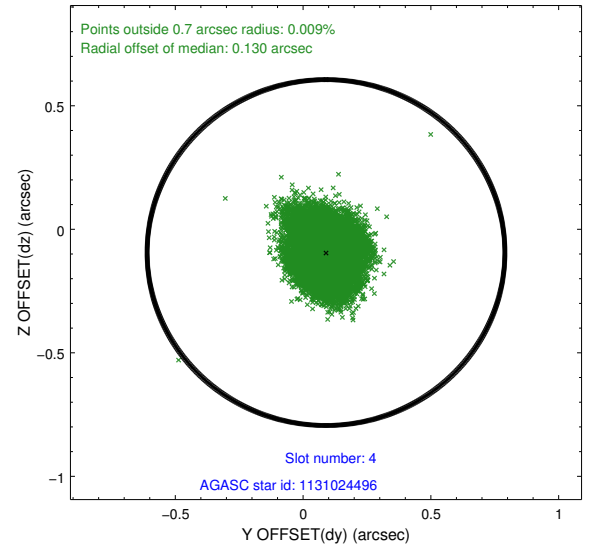
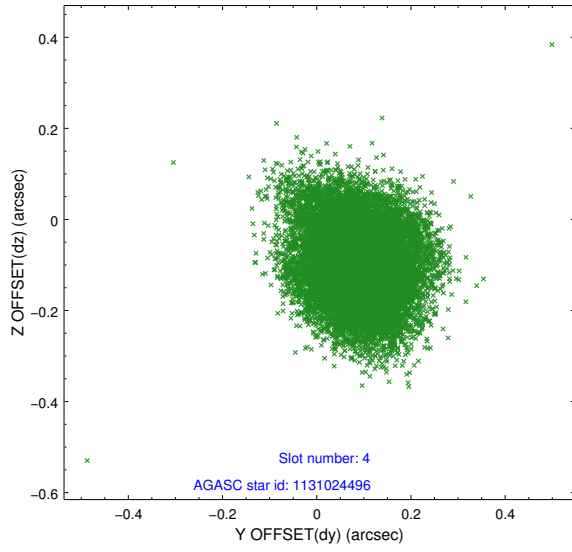
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.08	5805	0.068	-0.021	0.014	0.023	0.000000	0.000000	920.18	-845.96
1	FID		ACIS-I-5	7.06	5804	-0.336	0.039	0.014	0.023	0.000000	0.000000	-1828.33	1051.42
2	FID		ACIS-I-6	7.08	5804	0.178	0.055	0.015	0.024	0.000000	0.000000	385.59	1696.17
3	GUIDE	used	1131022976	7.68	11603	0.293	0.516	0.104	0.167	171.601311	-59.282289	-649.94	-401.41
4	GUIDE	used	1131024496	7.71	11604	0.090	-0.094	0.120	0.183	170.002192	-59.188051	1923.73	1068.00
5	GUIDE	used	1131026672	6.91	11608	-0.155	-0.039	0.086	0.144	170.822180	-58.787471	1564.36	-996.56
6	GUIDE	used	1131027296	7.52	11604	-0.231	-0.272	0.111	0.175	170.725176	-59.738880	-321.52	1868.09
7	GUIDE	used	1174293608	8.81	11598	0.005	-0.116	0.129	0.240	171.337887	-60.017603	-1807.13	2026.91

2.4 Star Slots

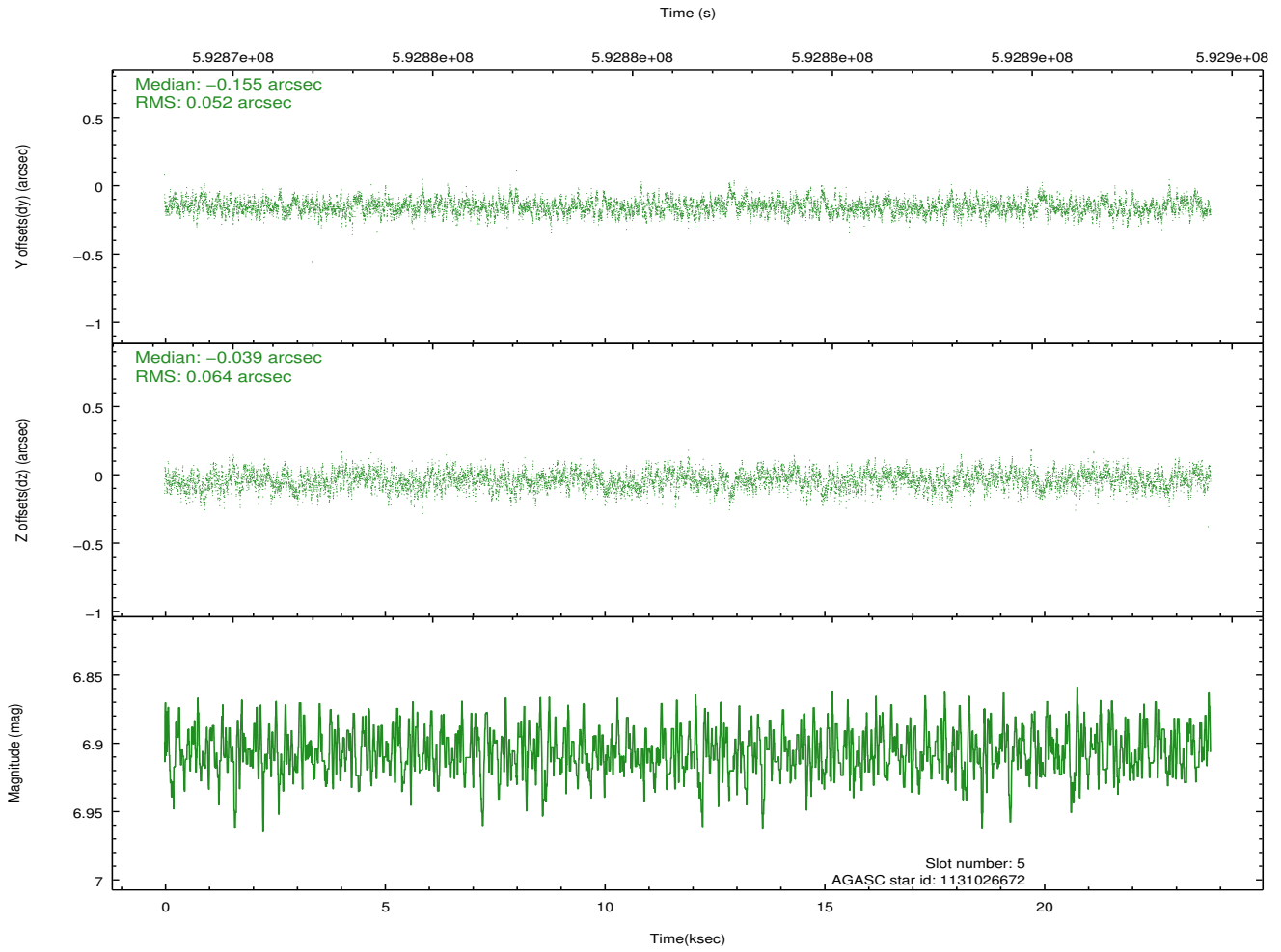
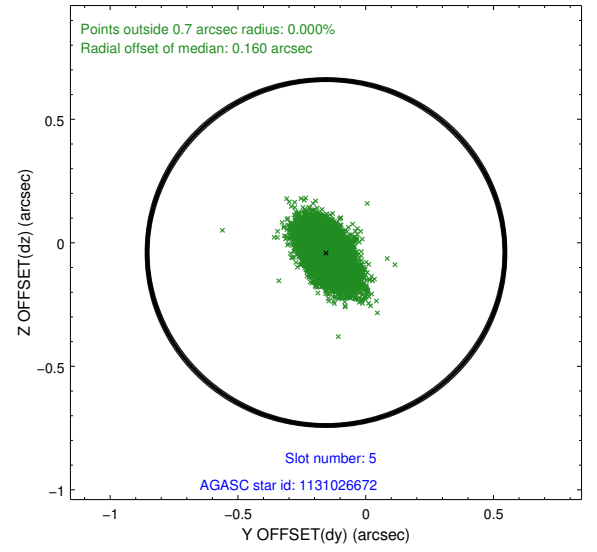
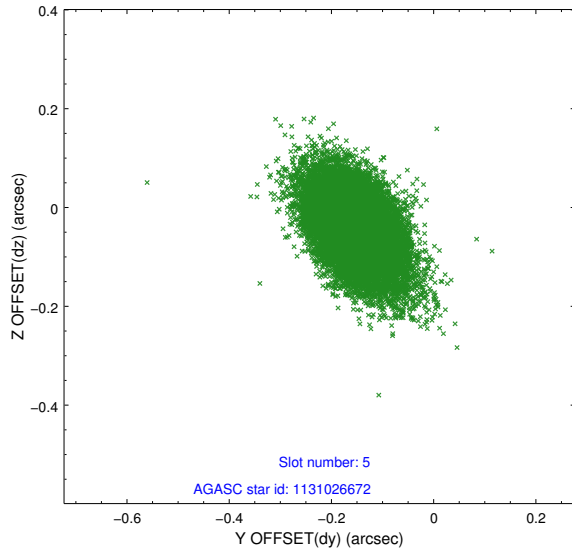
2.4.1 Slot 3



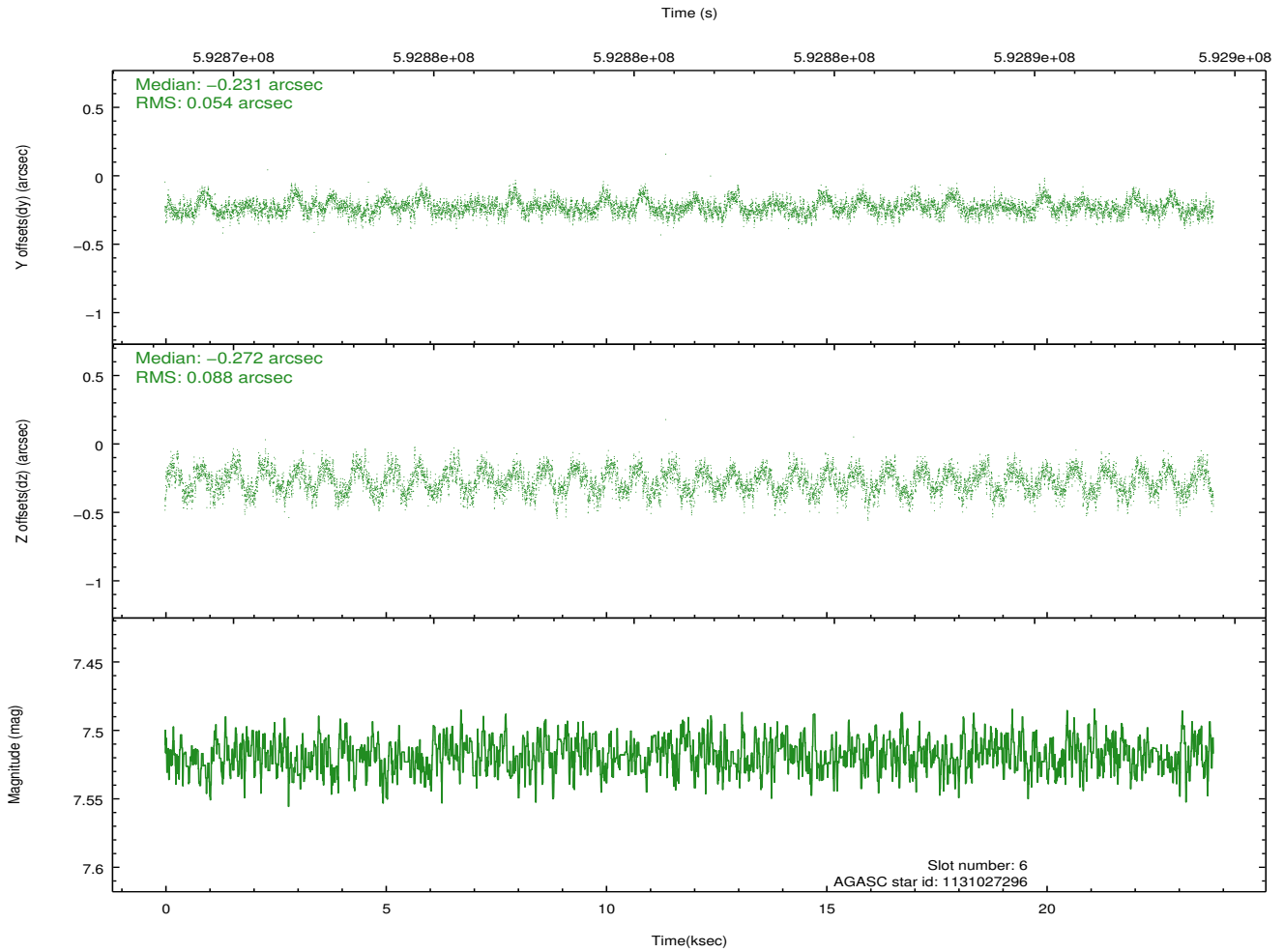
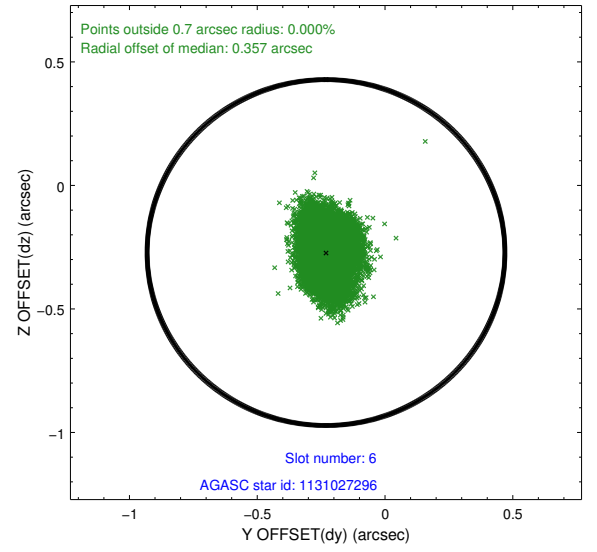
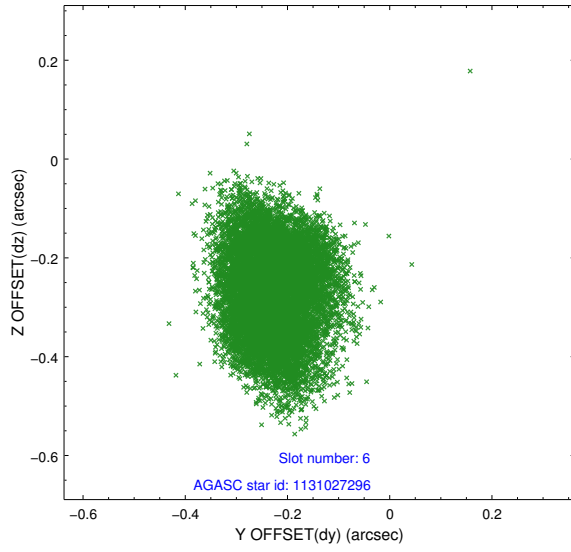
2.4.2 Slot 4



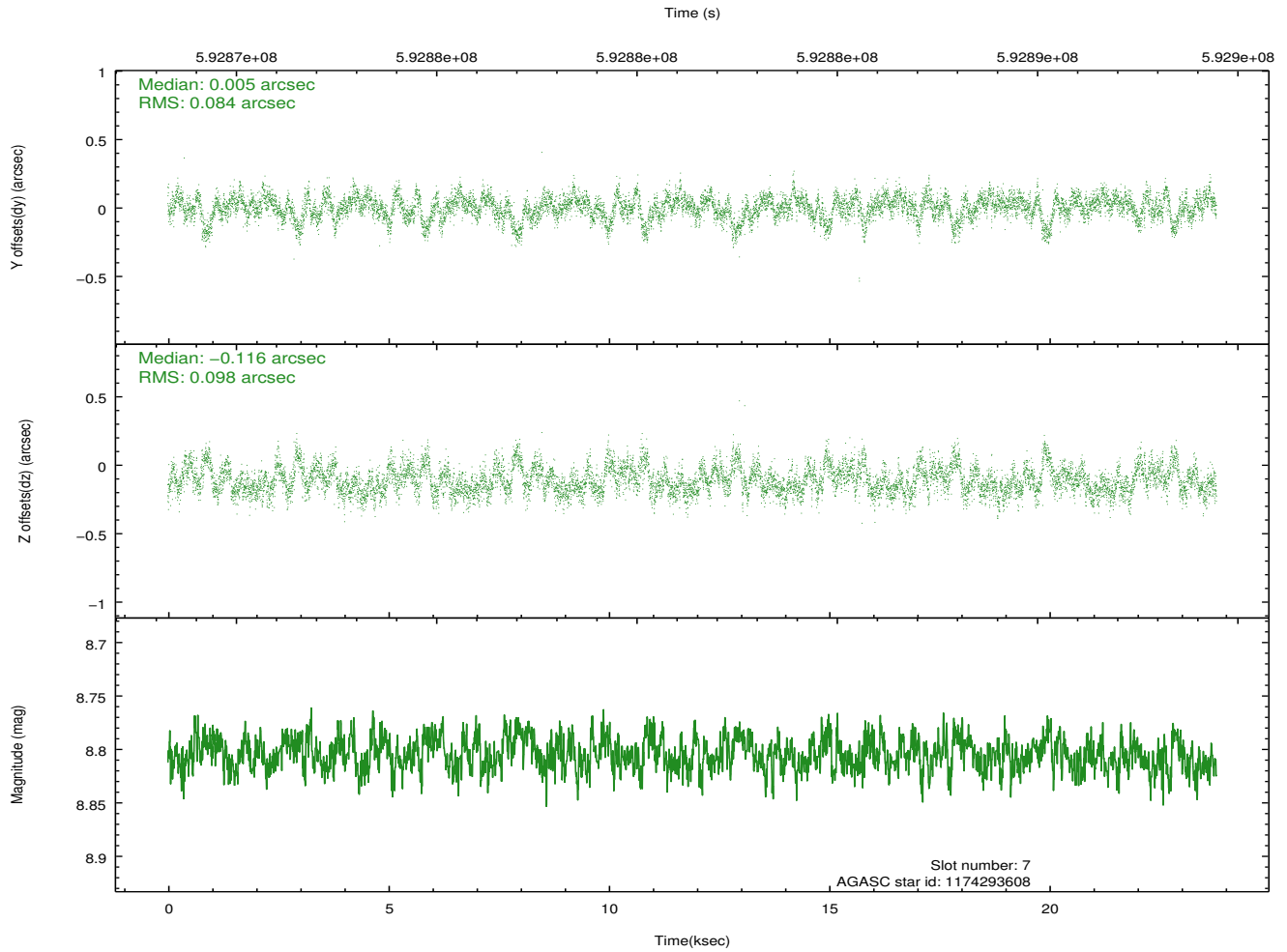
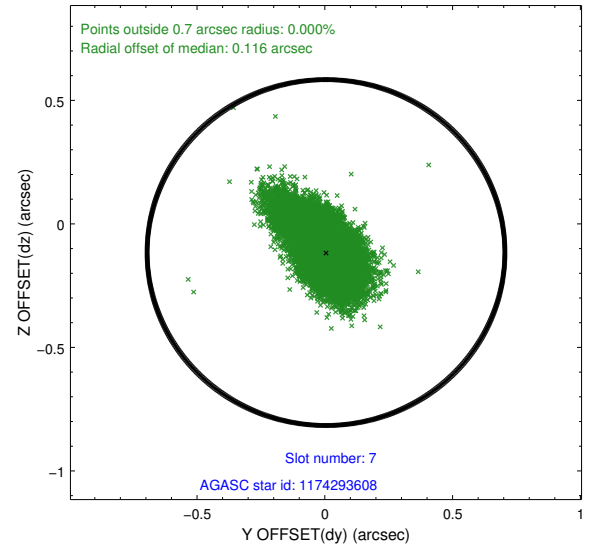
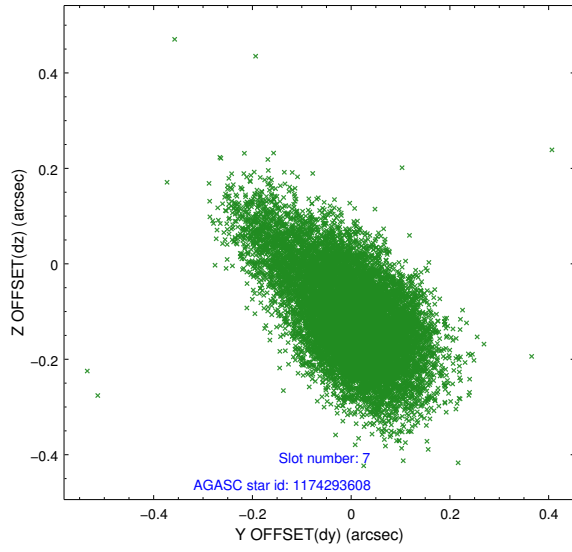
2.4.3 Slot 5



2.4.4 Slot 6

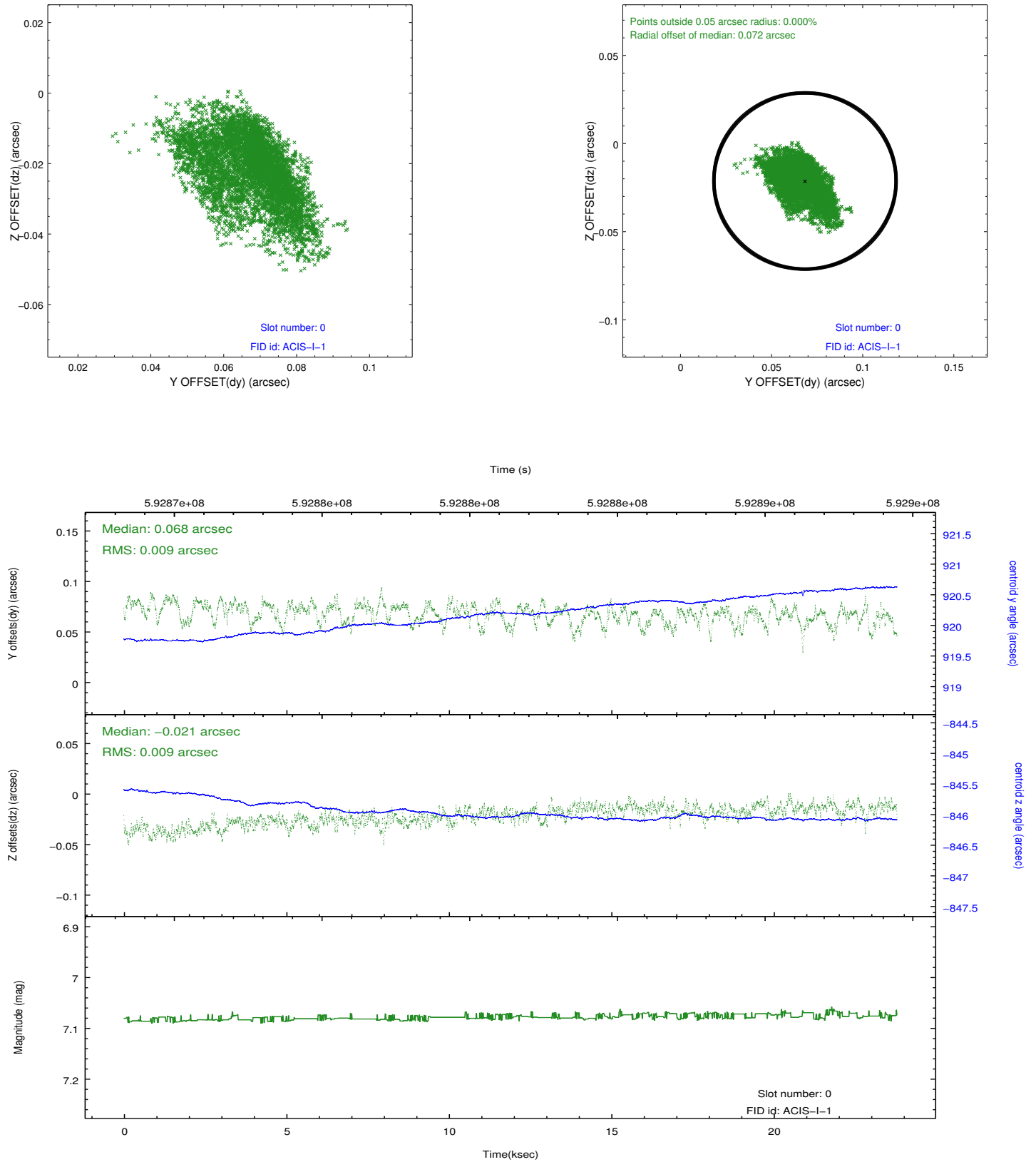


2.4.5 Slot 7

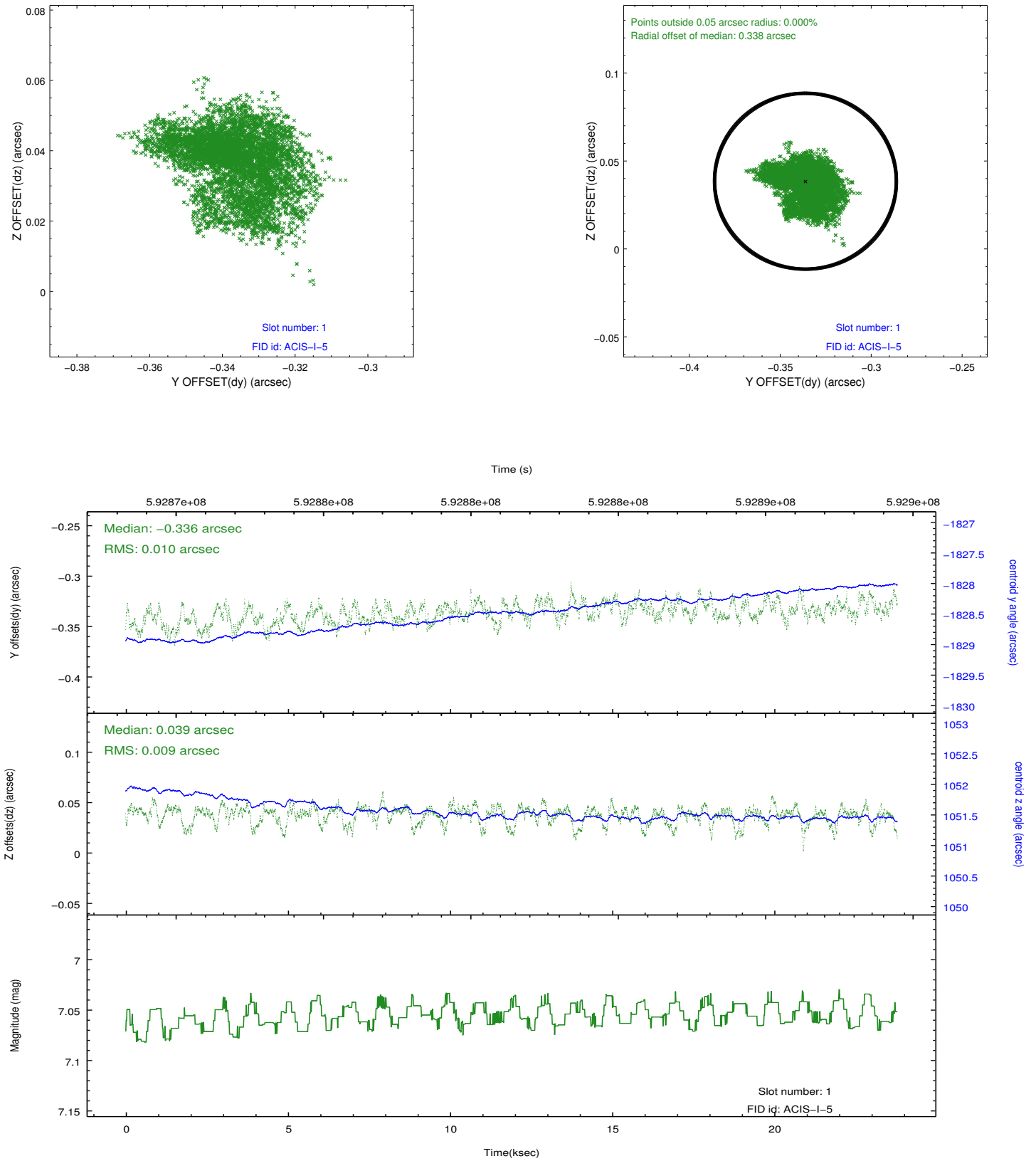


2.5 FID Slots

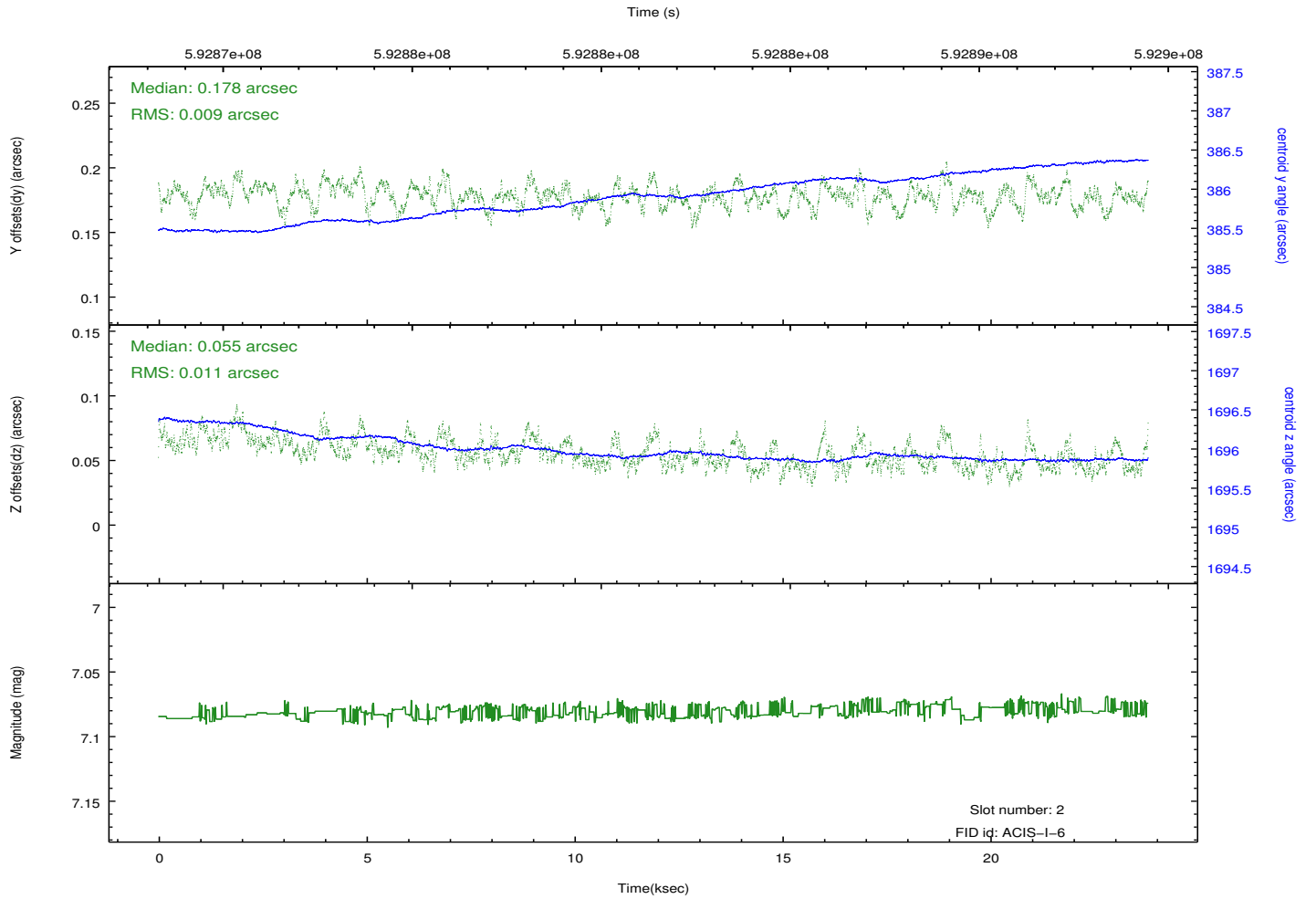
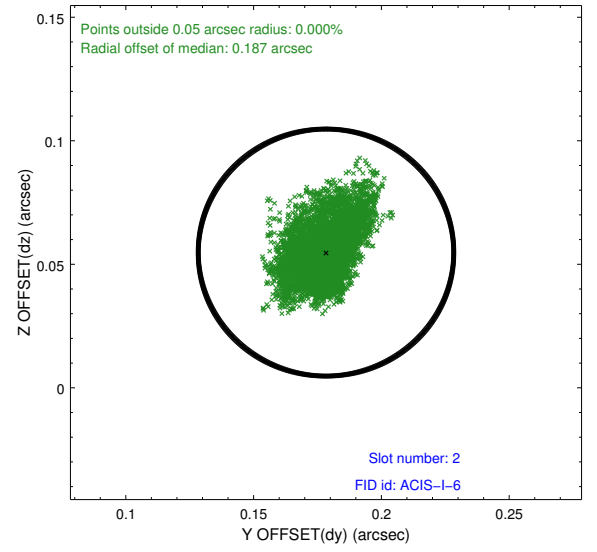
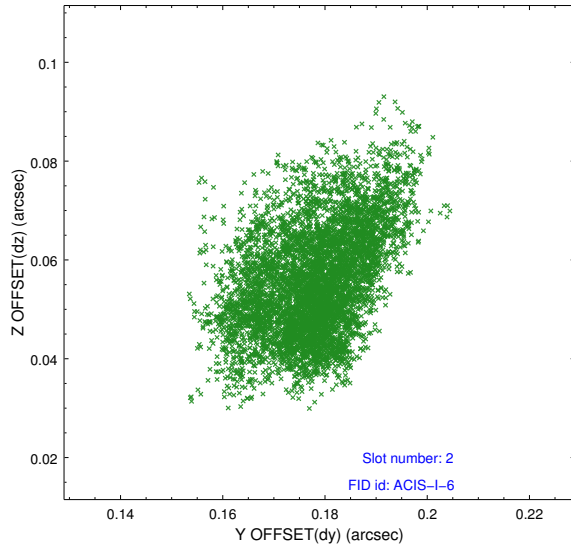
2.5.1 Slot 0



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	23.445259220123

A.2 Comments