

V&V Reference Report

L2 ASCDS Version : 10.8.3

Observation 21652 - L2 Version 1
Chandra X-Ray Center

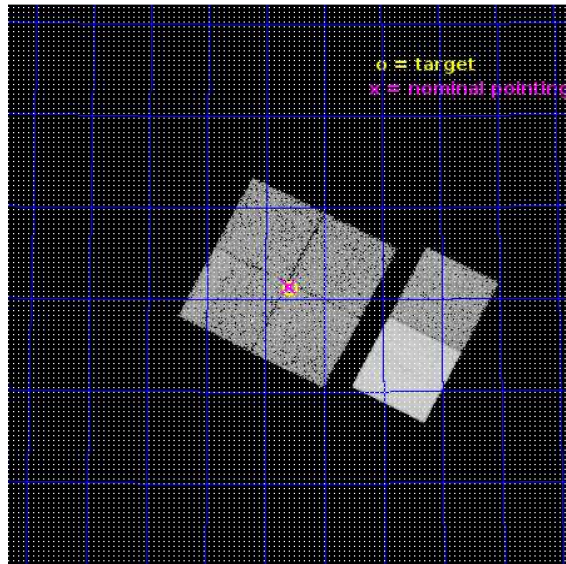
L2 Processing Date : Apr 7 2020

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1 Front

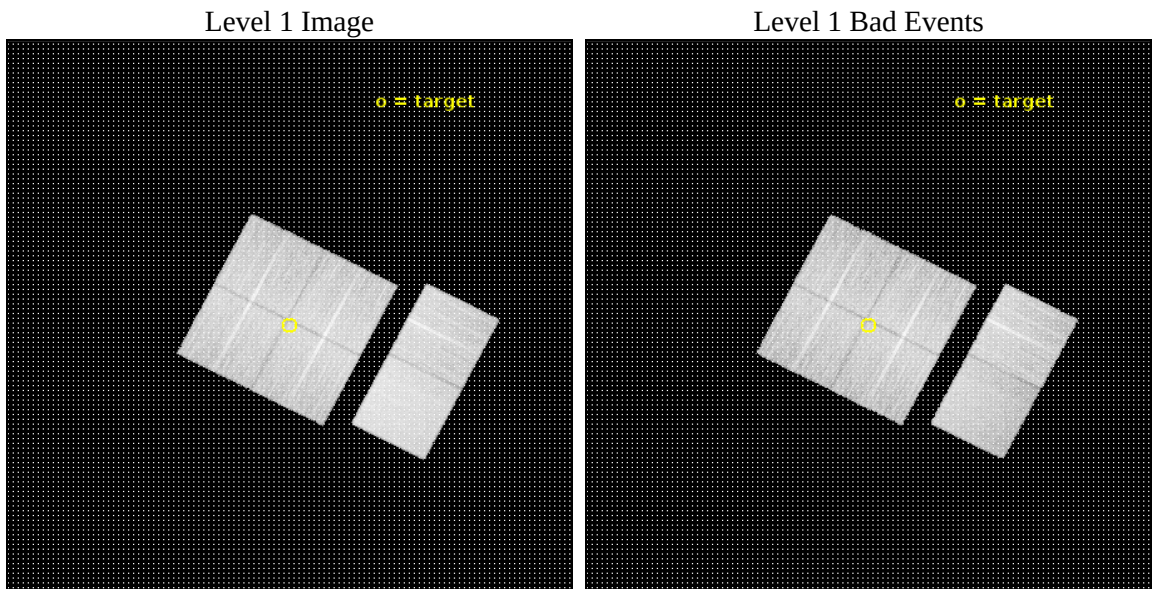
seq_num	901418	Sequence number
obs_id	21652	Observation id
title	Coordinated Ultra-Deep X-ray Monitoring of the JWST-NEP Time Domain Field	Proposal title
observer	Walter Maksym	Principal investigator
object	JWST-DTDF-9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.644167	Observer's specified target RA [deg]
dec_targ	65.854361	Observer's specified target Dec [deg]
ra_nom	260.647863726	Nominal RA [deg]
dec_nom	65.8573302403	Nominal Dec [deg]
roll_nom	117.215031671	Nominal Roll [deg]
revision	1	Processing version of data
ontime	17955.200267553	Sum of GTIs [s]
livetime	17727.840710442	Livetime [s]
ontime0	17955.200267553	Sum of GTIs [s]
ontime1	17951.959277272	Sum of GTIs [s]
ontime2	17951.959287167	Sum of GTIs [s]
ontime3	17955.200267553	Sum of GTIs [s]
ontime6	17951.959287167	Sum of GTIs [s]
ontime7	17955.200267553	Sum of GTIs [s]
l2events	144239	Number of level 2 events



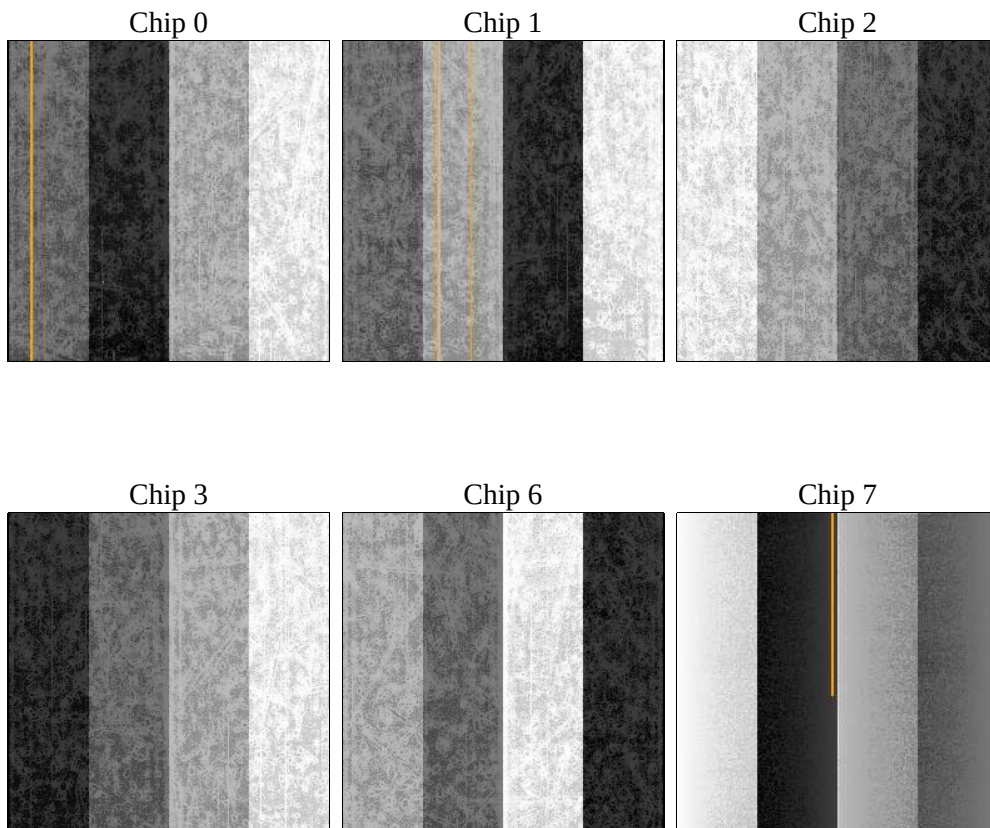
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	10.8.3	Processing system revision	ontime	17955.200267553	Sum of GTIs [s]
caldsver	4.9.1	 	ontime0	17955.200267553	Sum of GTIs [s]
date	2020-04-08T02:47:31	Date and time of file creation	ontime1	17951.959277272	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	17951.959287167	Sum of GTIs [s]
			ontime3	17955.200267553	Sum of GTIs [s]
			ontime6	17951.959287167	Sum of GTIs [s]
			ontime7	17955.200267553	Sum of GTIs [s]
			l1events	851712	Number of level 1 events

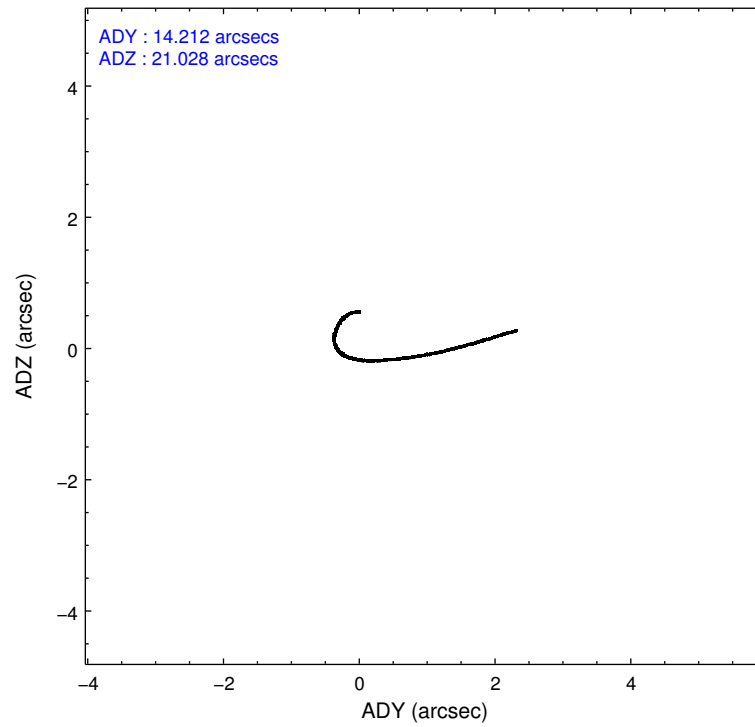
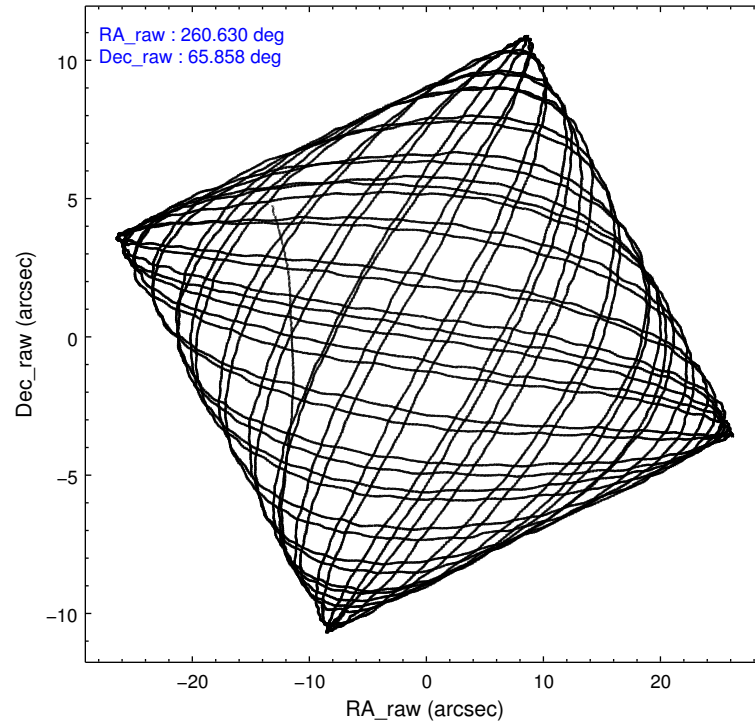
2.1.4 Events

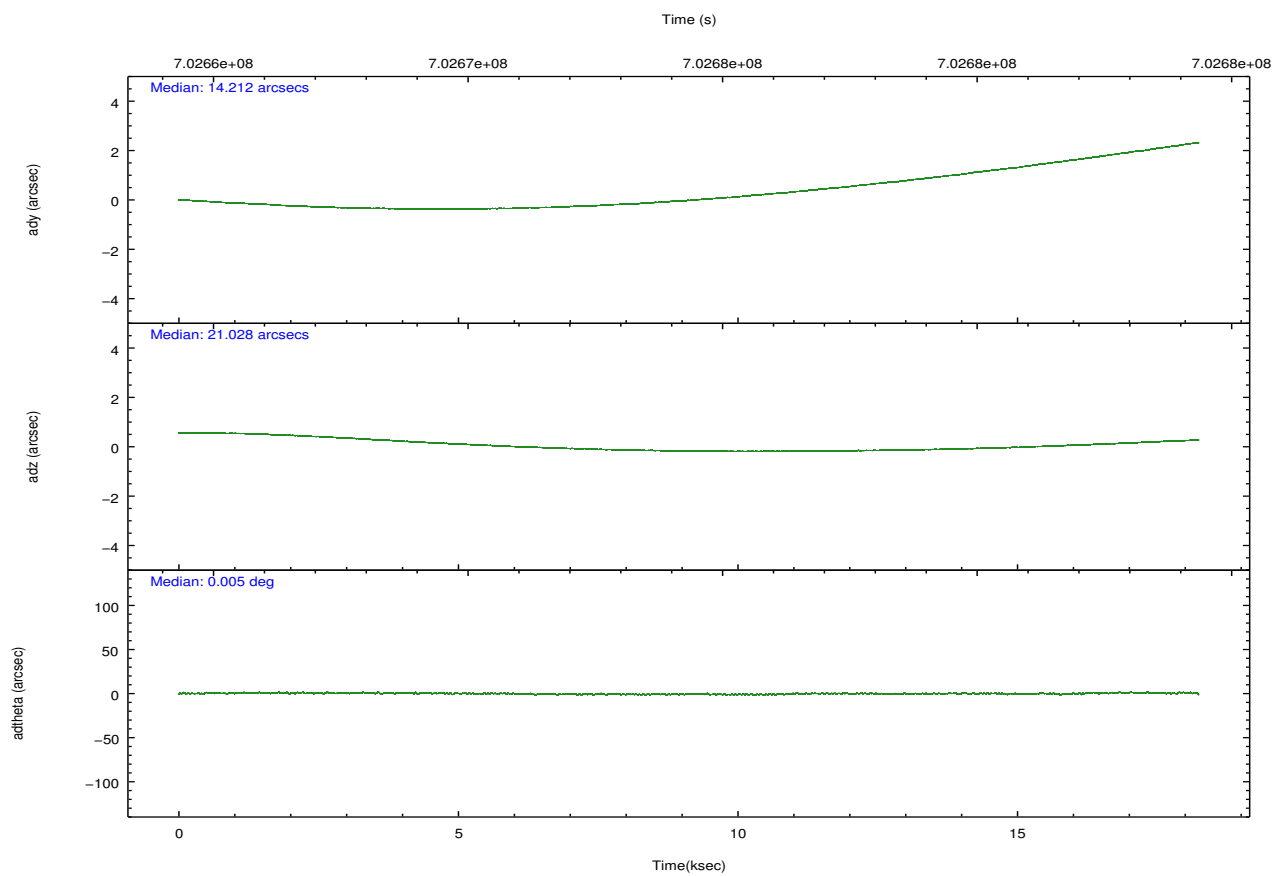
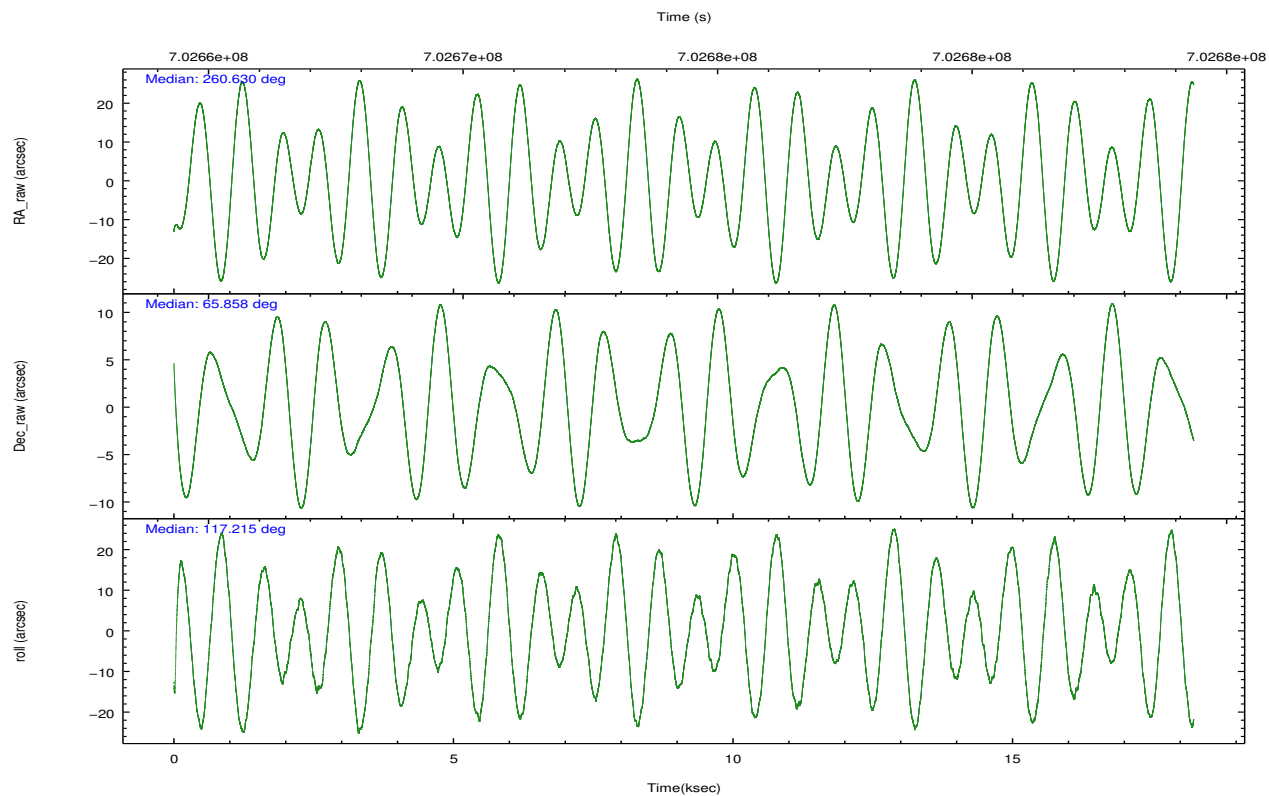
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	122998	131140	138909	131826	143585	183254	grade 0 events	5222	5972	5486	5468	5348	6529
rejected events	107481	113507	123452	116828	127510	103555		4%	4%	3%	4%	3%	3%
rejected %	87%	86%	88%	88%	88%	56%	grade 1 events	97	71	91	75	77	275
								0%	0%	0%	0%	0%	0%
							grade 2 events	4076	4575	3989	3267	3882	17745
								3%	3%	2%	2%	2%	9%
							grade 3 events	1527	1577	1496	1546	1584	6060
								1%	1%	1%	1%	1%	3%
							grade 4 events	1487	1573	1559	1577	1496	6041
								1%	1%	1%	1%	1%	3%
							grade 5 events	5877	6368	5679	6733	6834	17878
								4%	4%	4%	5%	4%	9%
							grade 6 events	3206	3939	2936	3141	3774	43340
								2%	3%	2%	2%	2%	23%
							grade 7 events	101506	107065	117673	110019	120590	85386
								82%	81%	84%	83%	83%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	260.686624	260.647863726	CCD I2 on	Y	Y
[deg] Pointing Dec	65.843422	65.8573302403	CCD I3 on	Y	Y
[deg] Pointing Roll	116.961254	117.215031671	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	702665462.184000	702664469.65417	CCD S5 on	N	N
Observation start date	2020-04-07T16:49:53	2020-04-07T16:34:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	702683462.184000	702684309.04287	On-chip summing requested	N	N
Observation end date	2020-04-07T21:49:53	2020-04-07T22:05:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



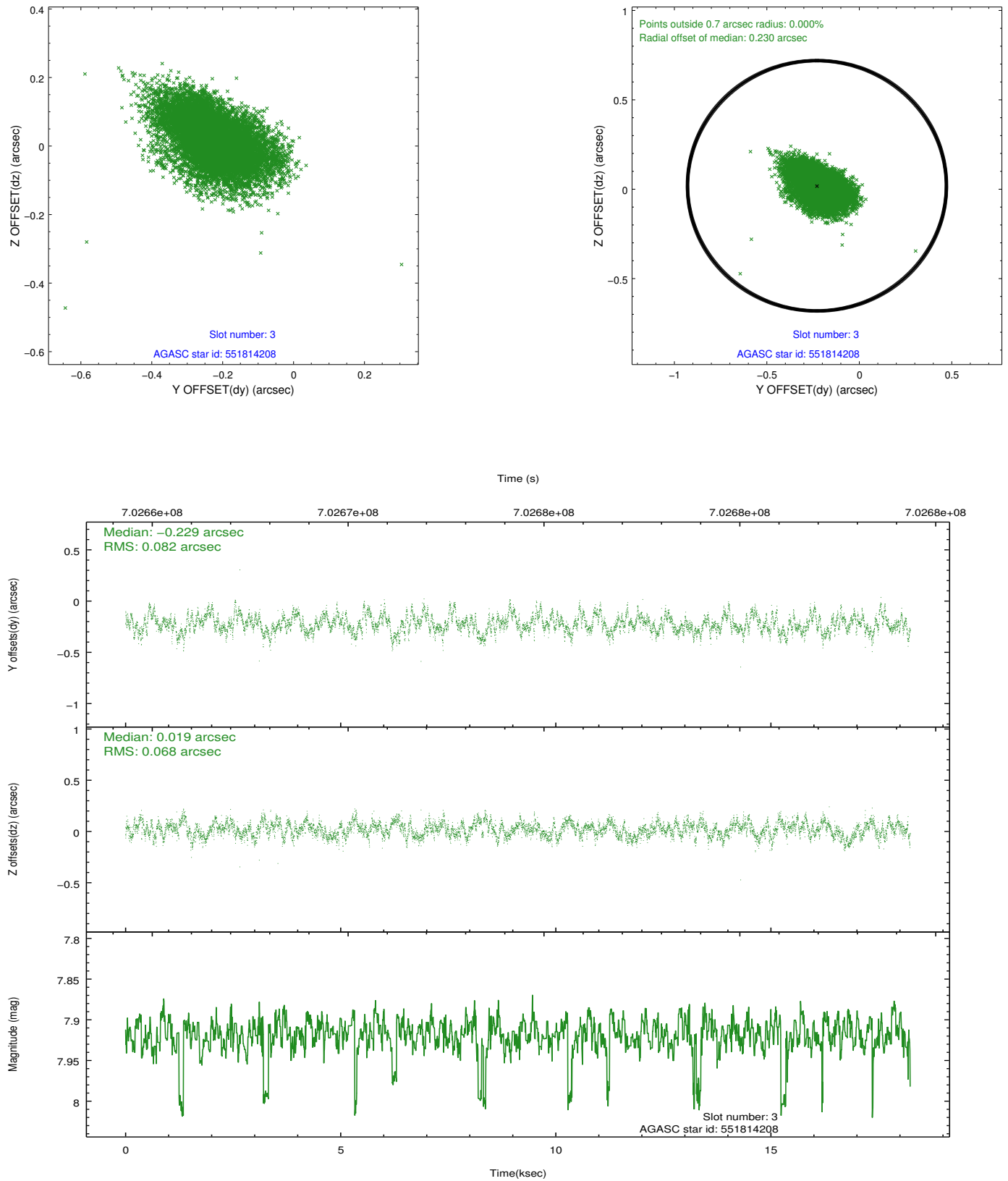


Slot Statistics

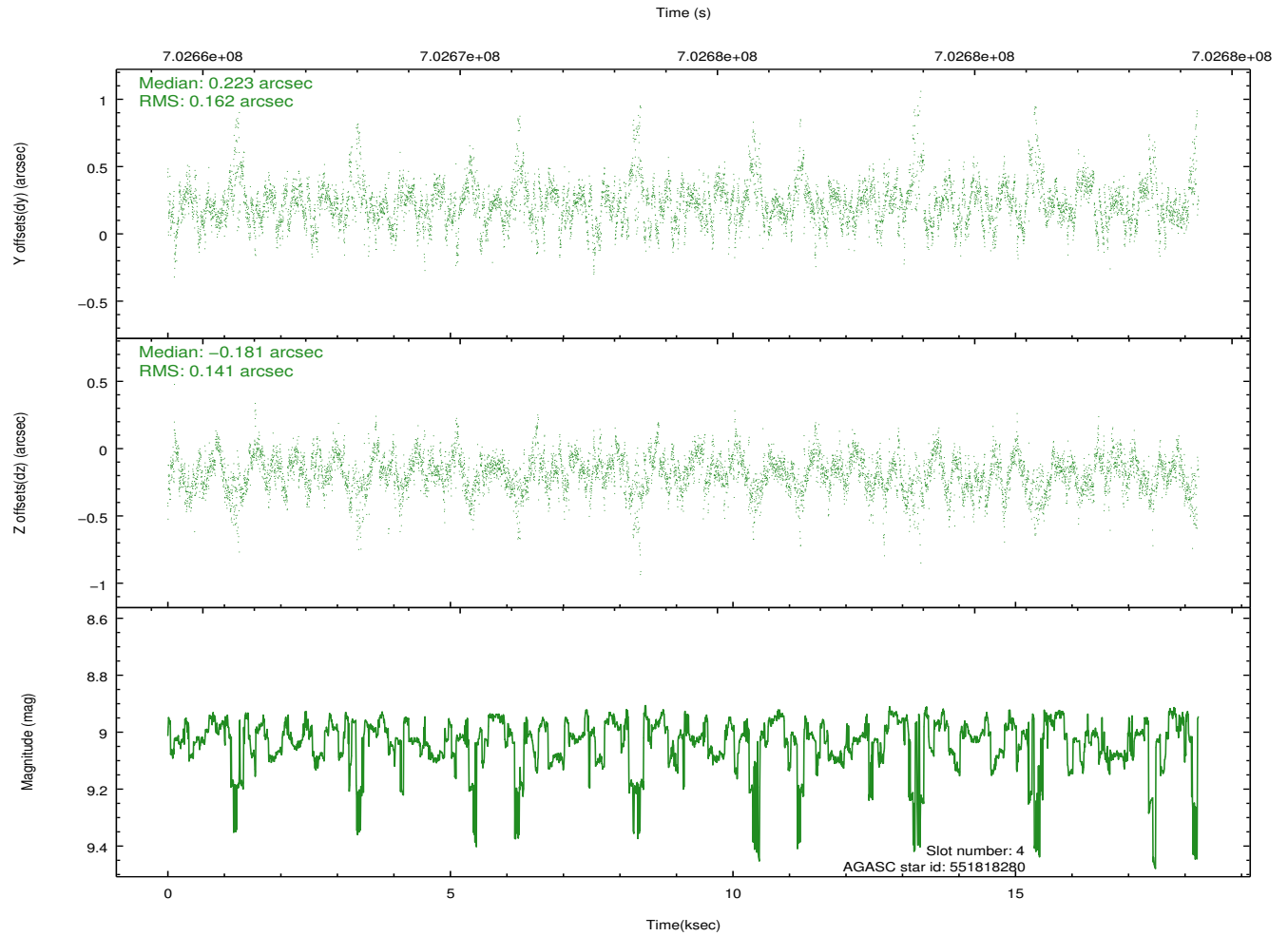
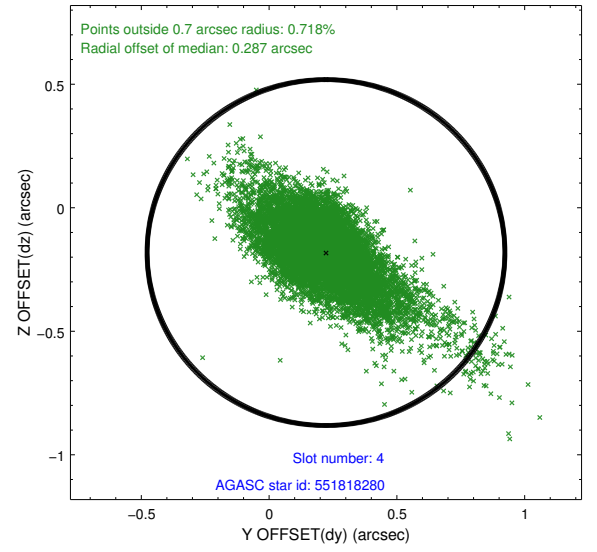
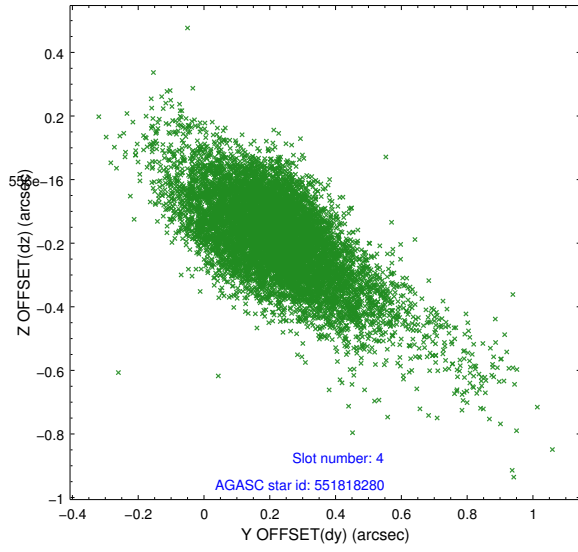
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.12	4449	1.000	0.265	-0.175	0.010	0.018	0.000000	0.000000	925.02	-845
1	FID		ACIS-I-5	7.10	4448	1.000	-0.320	0.232	0.011	0.023	0.000000	0.000000	-1823.33	1052
2	FID		ACIS-I-6	7.12	4449	1.000	-0.035	0.014	0.010	0.016	0.000000	0.000000	390.32	1697
3	GUIDE	used	551814208	7.92	8895	1.000	-0.229	0.019	0.112	0.186	260.175311	65.639944	-305.78	1007
4	GUIDE	used	551818280	9.02	8769	1.000	0.223	-0.181	0.201	0.401	261.229817	66.633852	2187.75	-1982
5	GUIDE	used	551819264	8.46	8891	1.000	-0.212	-0.253	0.187	0.283	258.796618	66.086633	2068.95	2042
6	GUIDE	used	551951232	7.93	8898	1.000	-0.027	0.231	0.099	0.158	262.419848	65.894071	-959.84	-2368
7	GUIDE	used	551952296	8.72	8890	1.000	0.226	0.205	0.138	0.223	261.999680	65.847021	-846.86	-1738

2.4 Star Slots

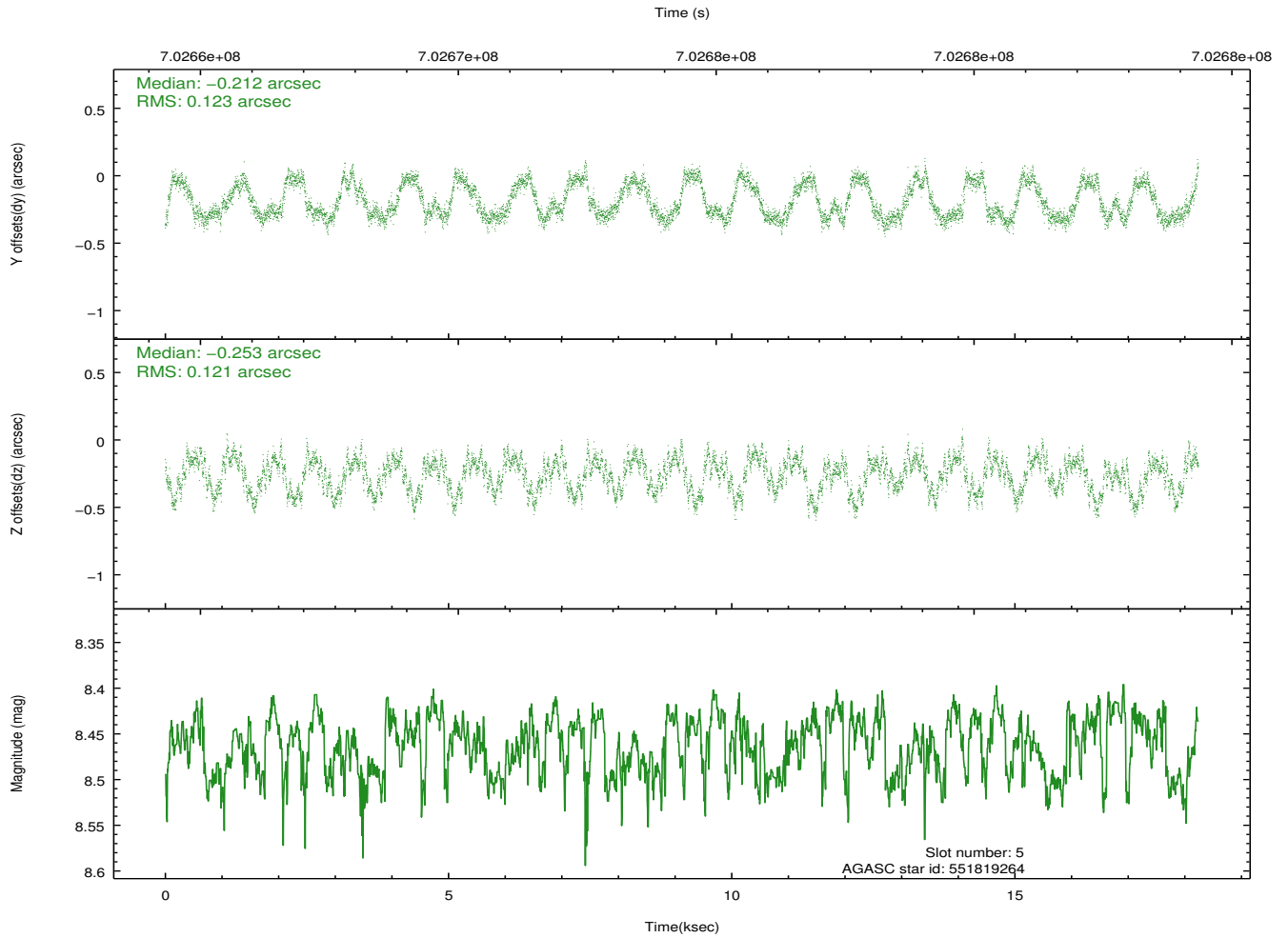
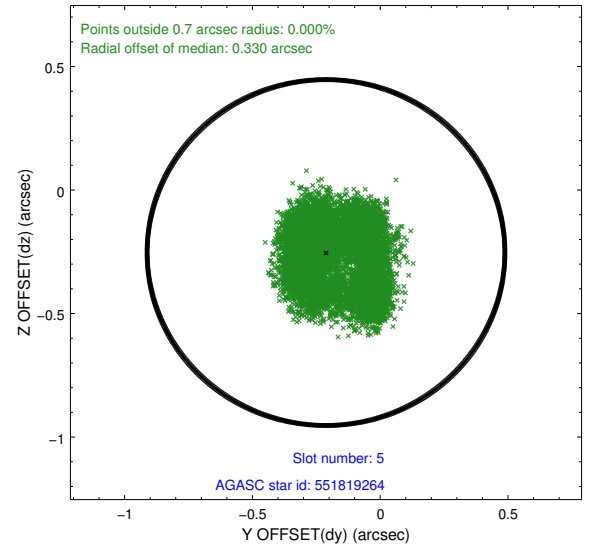
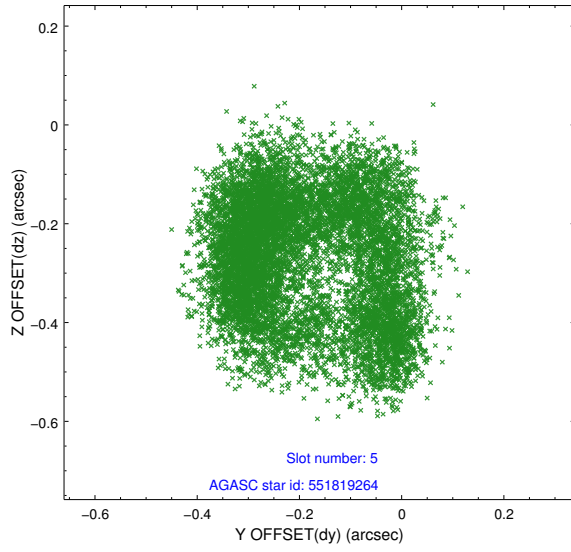
2.4.1 Slot 3



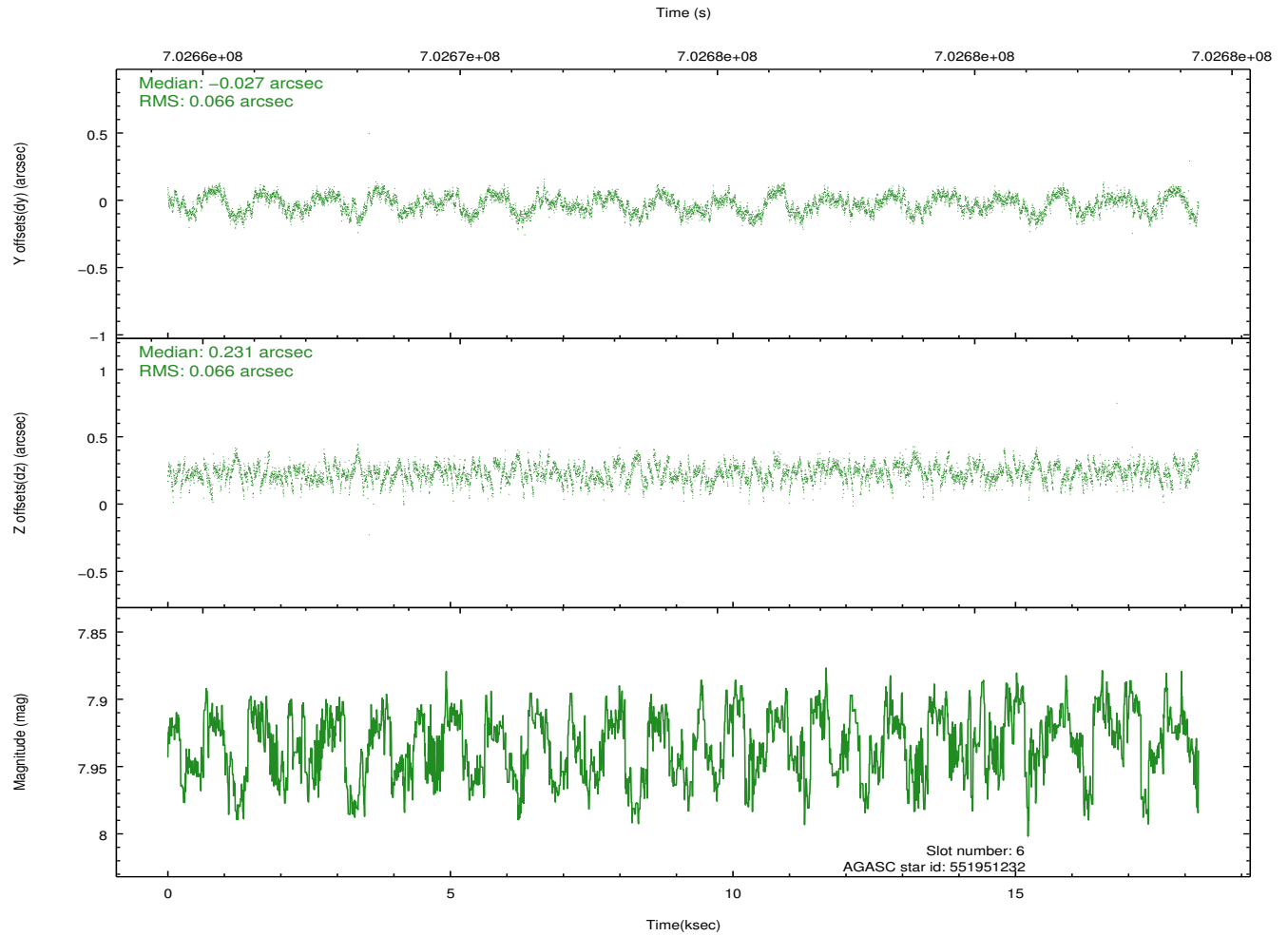
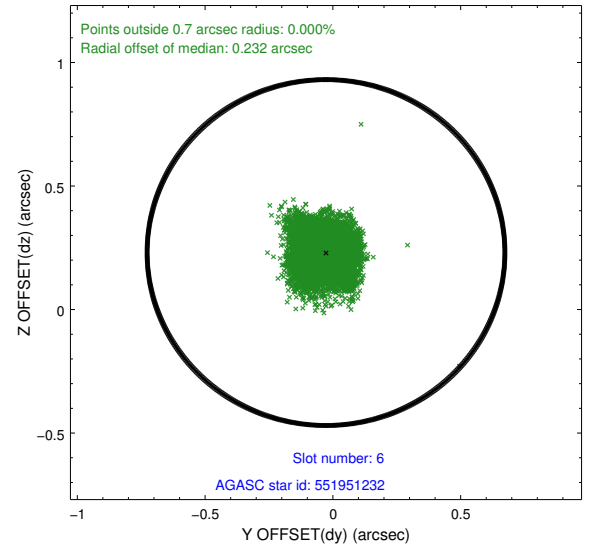
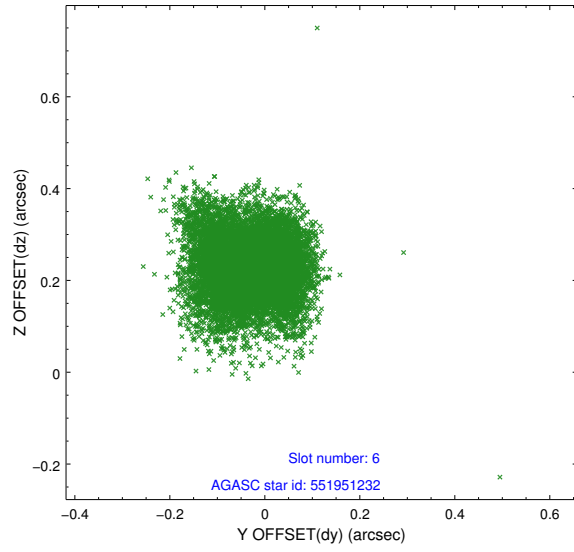
2.4.2 Slot 4



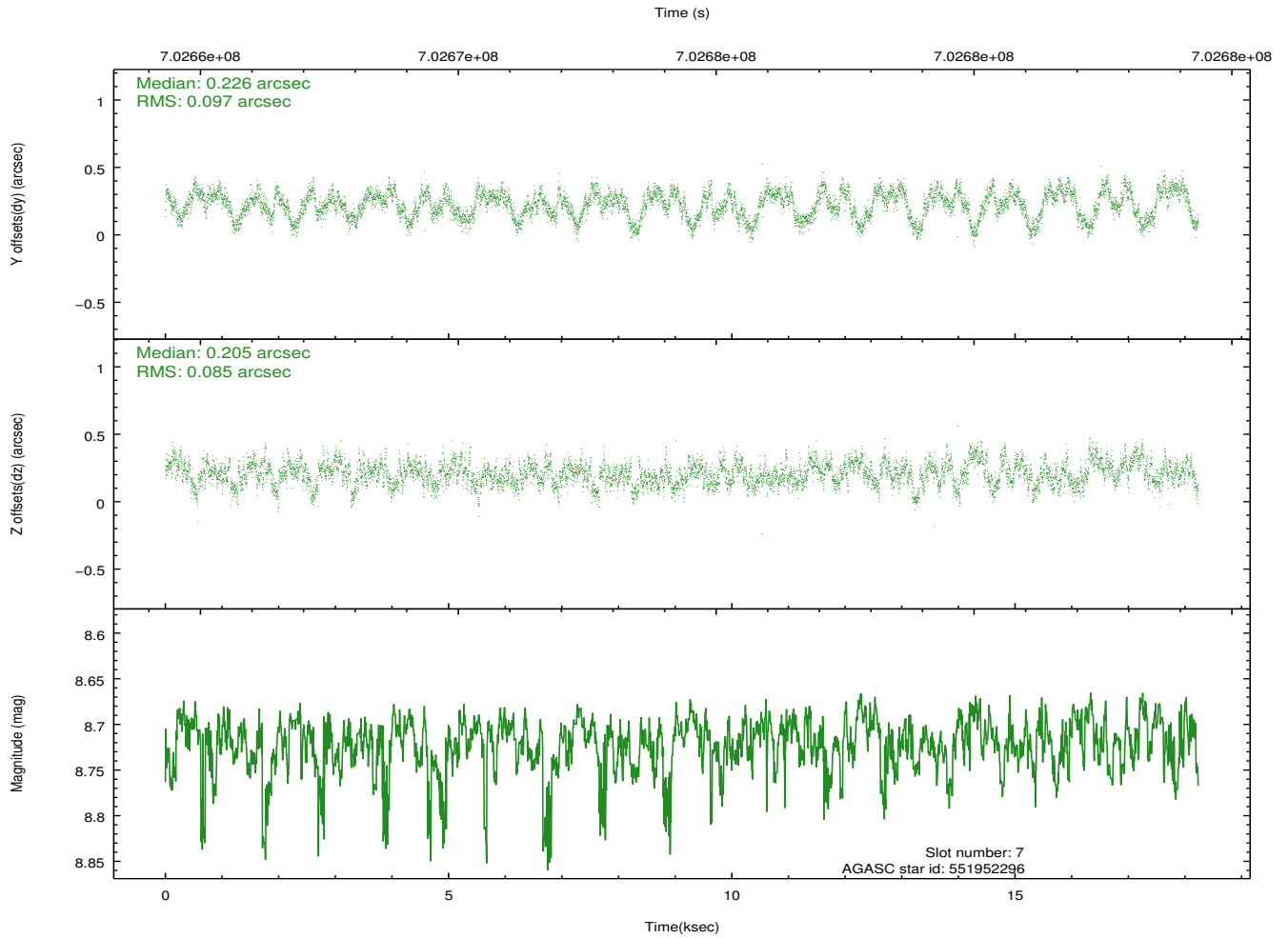
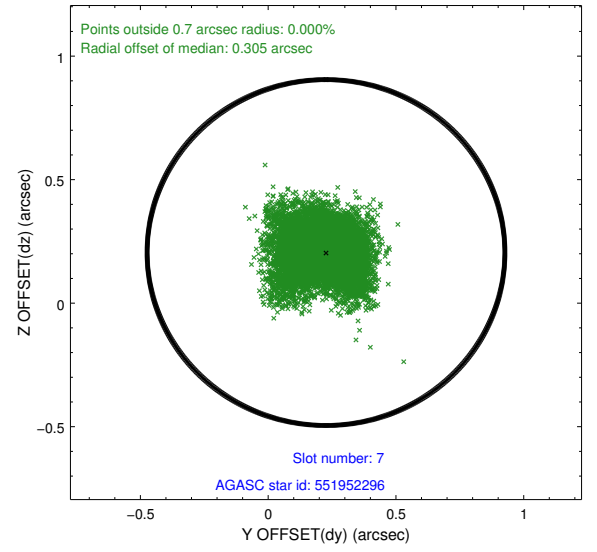
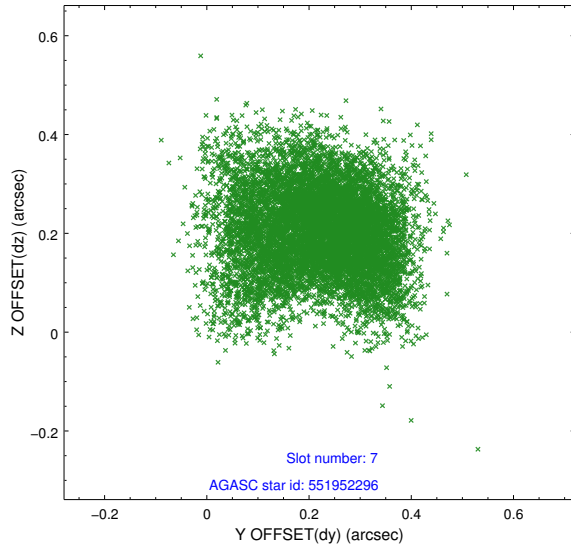
2.4.3 Slot 5



2.4.4 Slot 6

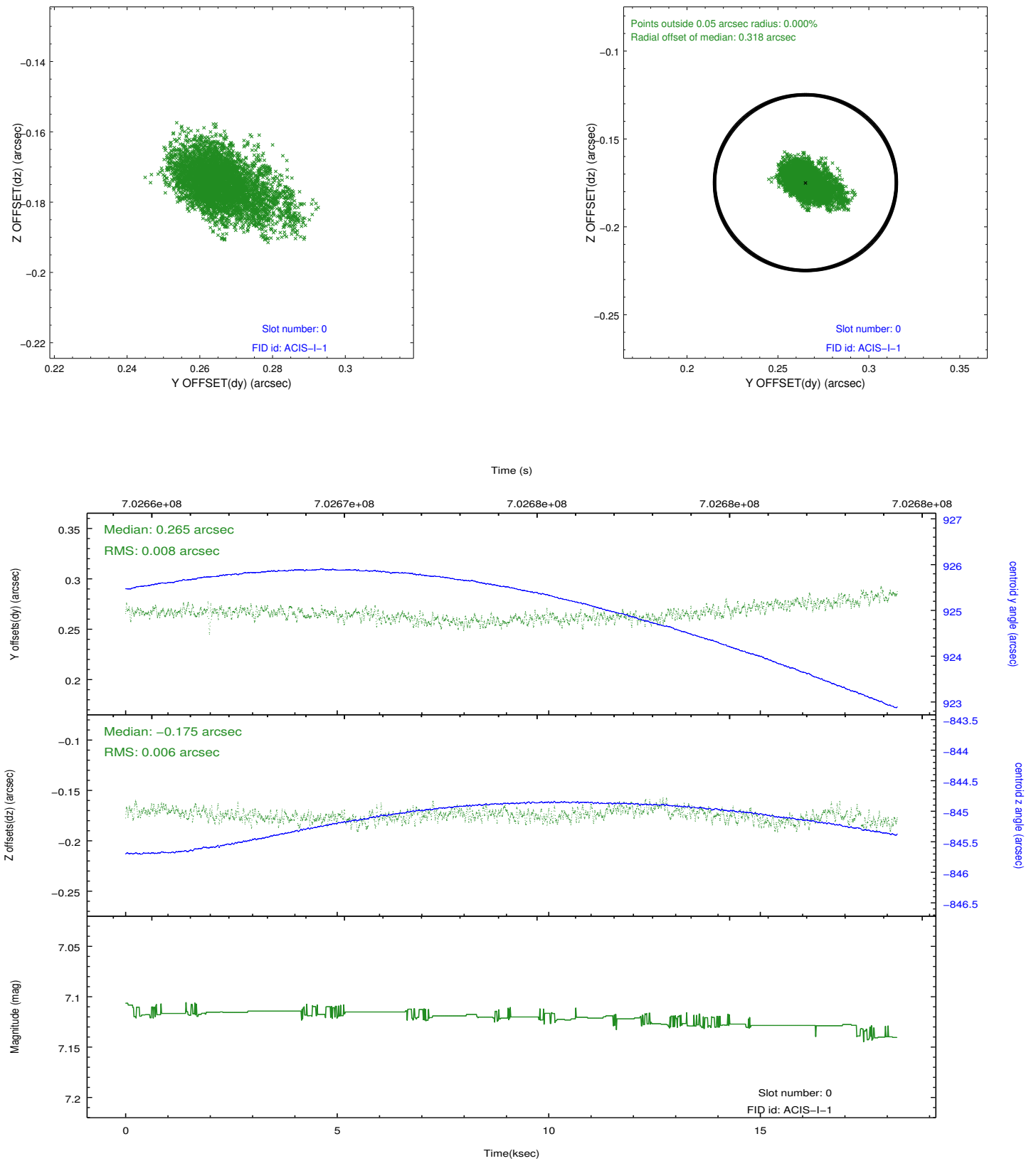


2.4.5 Slot 7

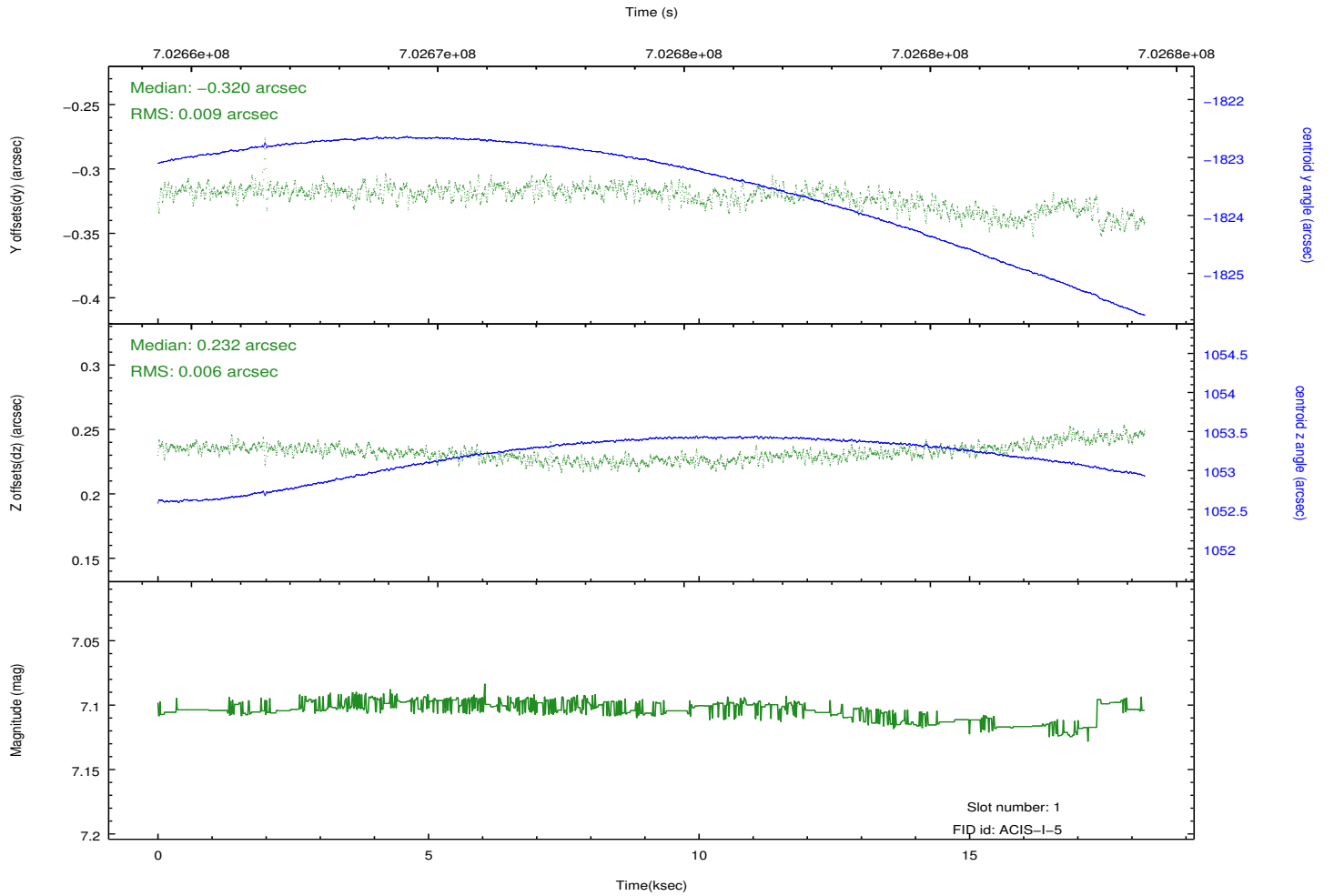
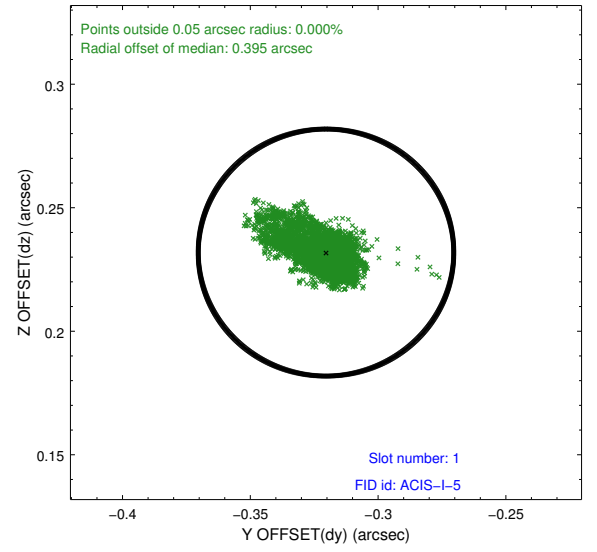
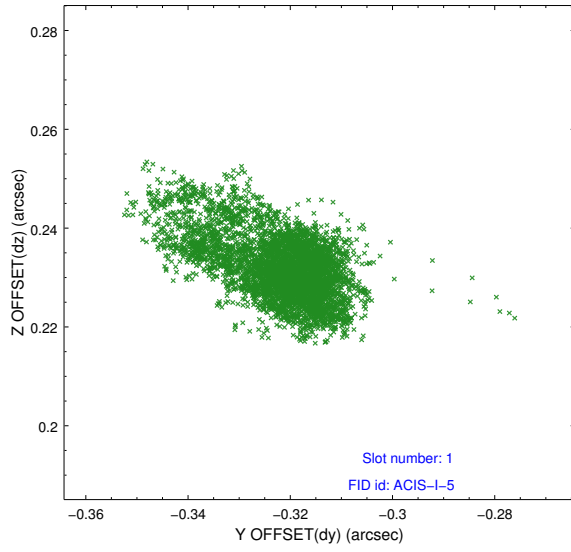


2.5 FID Slots

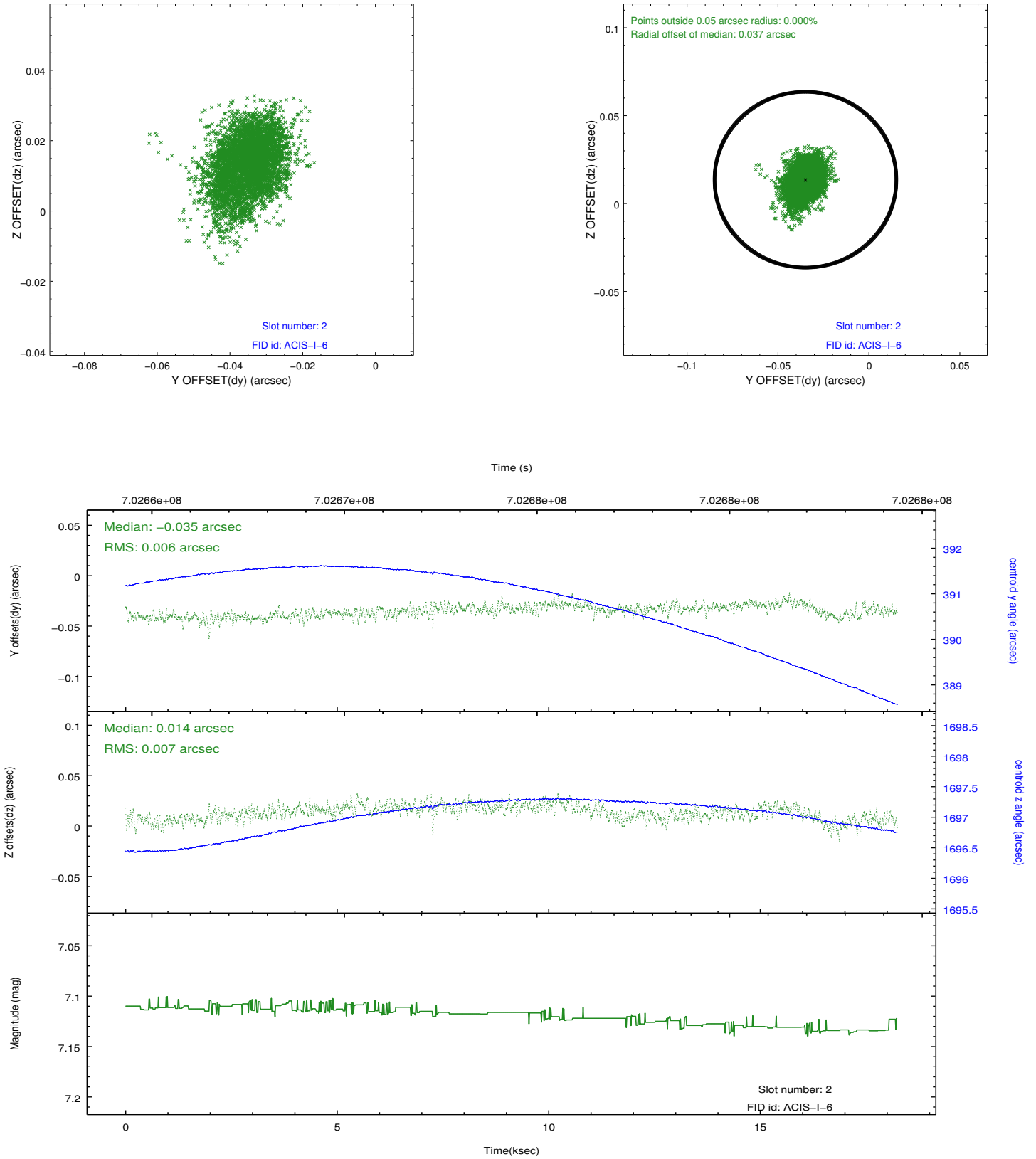
2.5.1 Slot 0



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)	2020.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.955200267553

A.2 Comments