

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 20750 - L2 Version 1
Chandra X-Ray Center

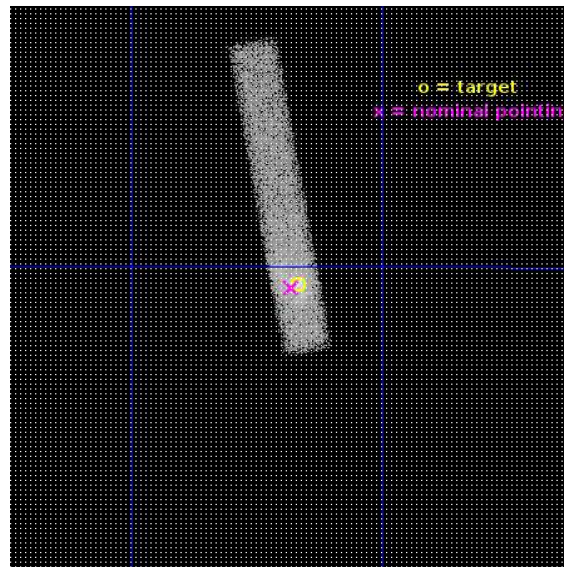
L2 Processing Date : Aug 14 2019

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1 Front

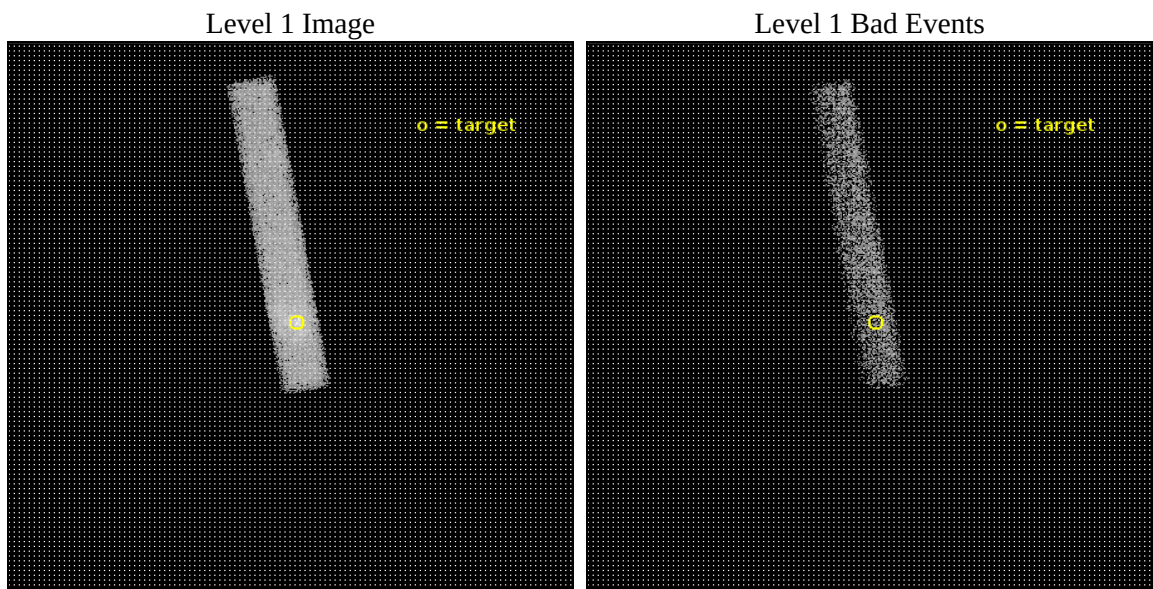
seq_num	601425	Sequence number
obs_id	20750	Observation id
title	Chandra/NuSTAR Monitoring of Sgr A*, SGR J1745-2900 and X-ray transients in the GC	Proposal title
observer	Gordon Garmire	Principal investigator
object	SgrA*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007833	Observer's specified target Dec [deg]
ra_nom	266.42003481124	Nominal RA [deg]
dec_nom	-29.009354626516	Nominal Dec [deg]
roll_nom	260.15824680885	Nominal Roll [deg]
revision	1	Processing version of data
ontime	26769.198404312	Sum of GTIs [s]
livetime	24278.249958564	Livetime [s]
ontime7	26769.198404312	Sum of GTIs [s]
l2events	29184	Number of level 2 events



2 OBI

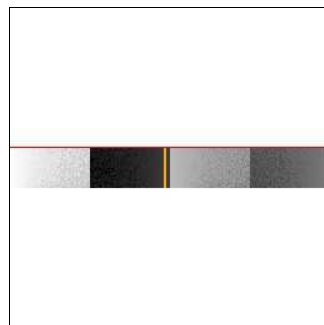
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26700.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	26769.198404312	Sum of GTIs [s]
caldsver	4.8.3.1	 	ontime7	26769.198404312	Sum of GTIs [s]
date	2019-08-14T13:31:01	Date and time of file creation	l1events	48361	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	48361
rejected events	18273
rejected %	37%

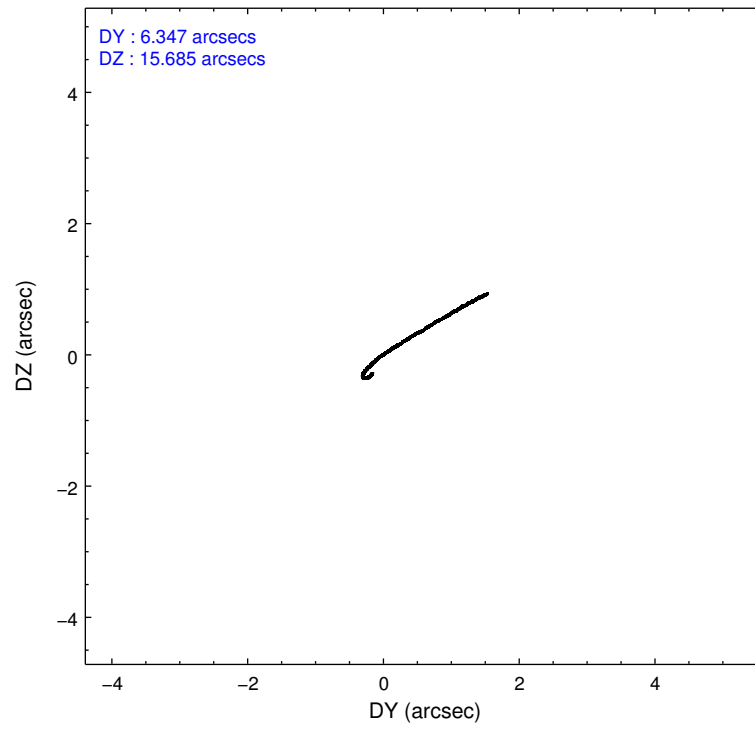
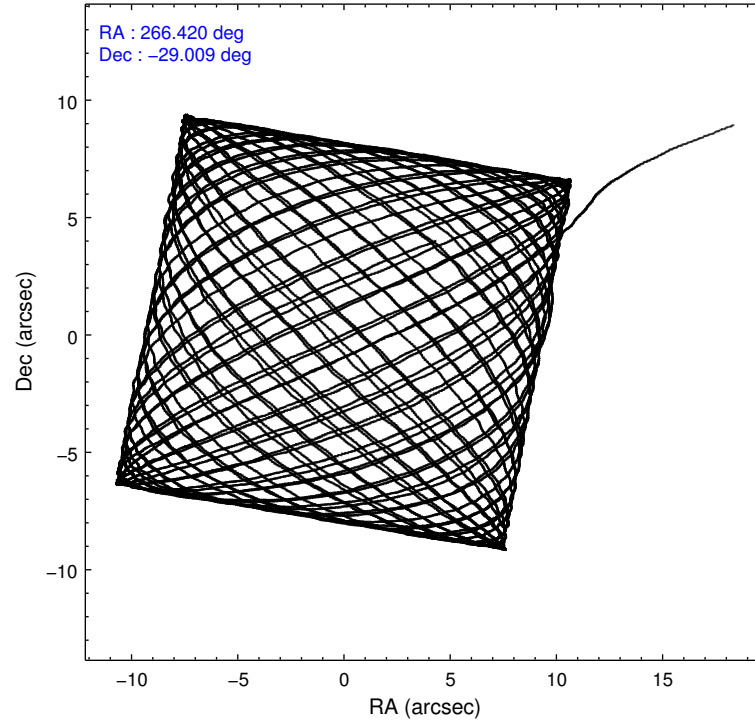
	ccd 7
grade 0 events	4437
	9%
grade 1 events	57
	0%
grade 2 events	6184
	12%
grade 3 events	3659
	7%
grade 4 events	3462
	7%
grade 5 events	3656
	7%
grade 6 events	12346
	25%
grade 7 events	14560
	30%

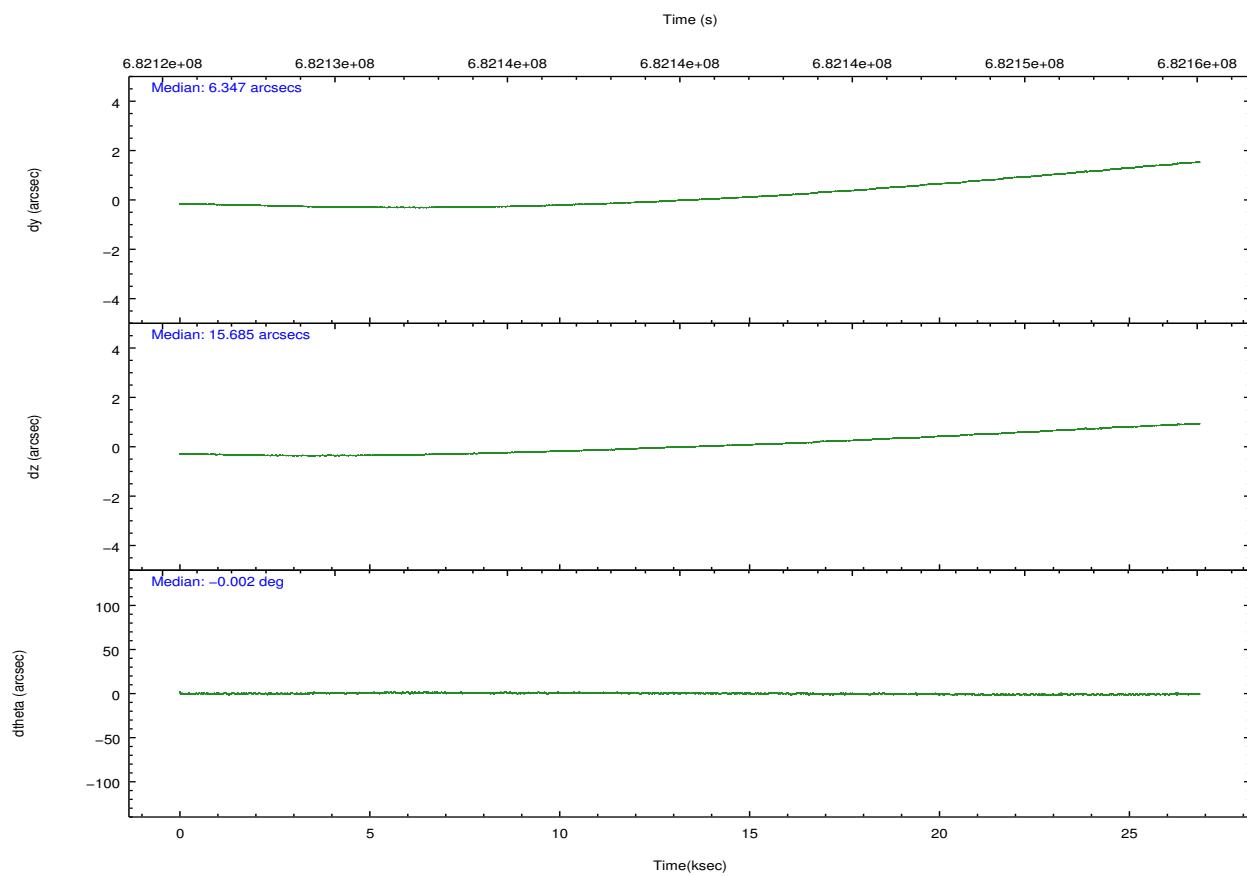
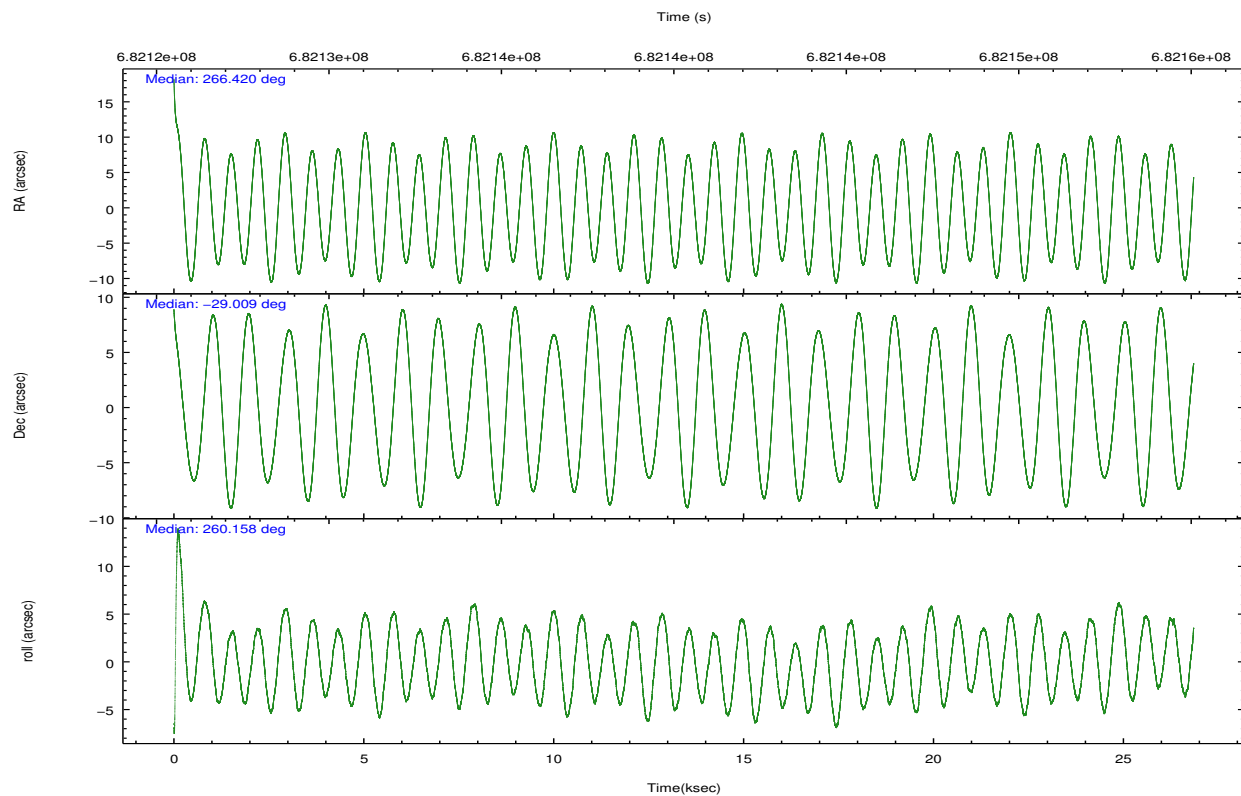
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	266.408832	266.4200348112386
[deg] Pointing Dec	-28.983713	-29.00935462651643
[deg] Pointing Roll	259.996206	260.158246808847
[s] Window start time (MET)	681782469.184000	681782469.184000
[s] Window stop time (MET)	683251209.184000	683251209.184000
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	682127016.184000	682125495.8638
Observation start date	2019-08-13T23:42:27	2019-08-13T23:18:15
[s] Observation end time (MET)	682153716.184000	682154837.00304
Observation end date	2019-08-14T07:07:27	2019-08-14T07:27:17
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	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



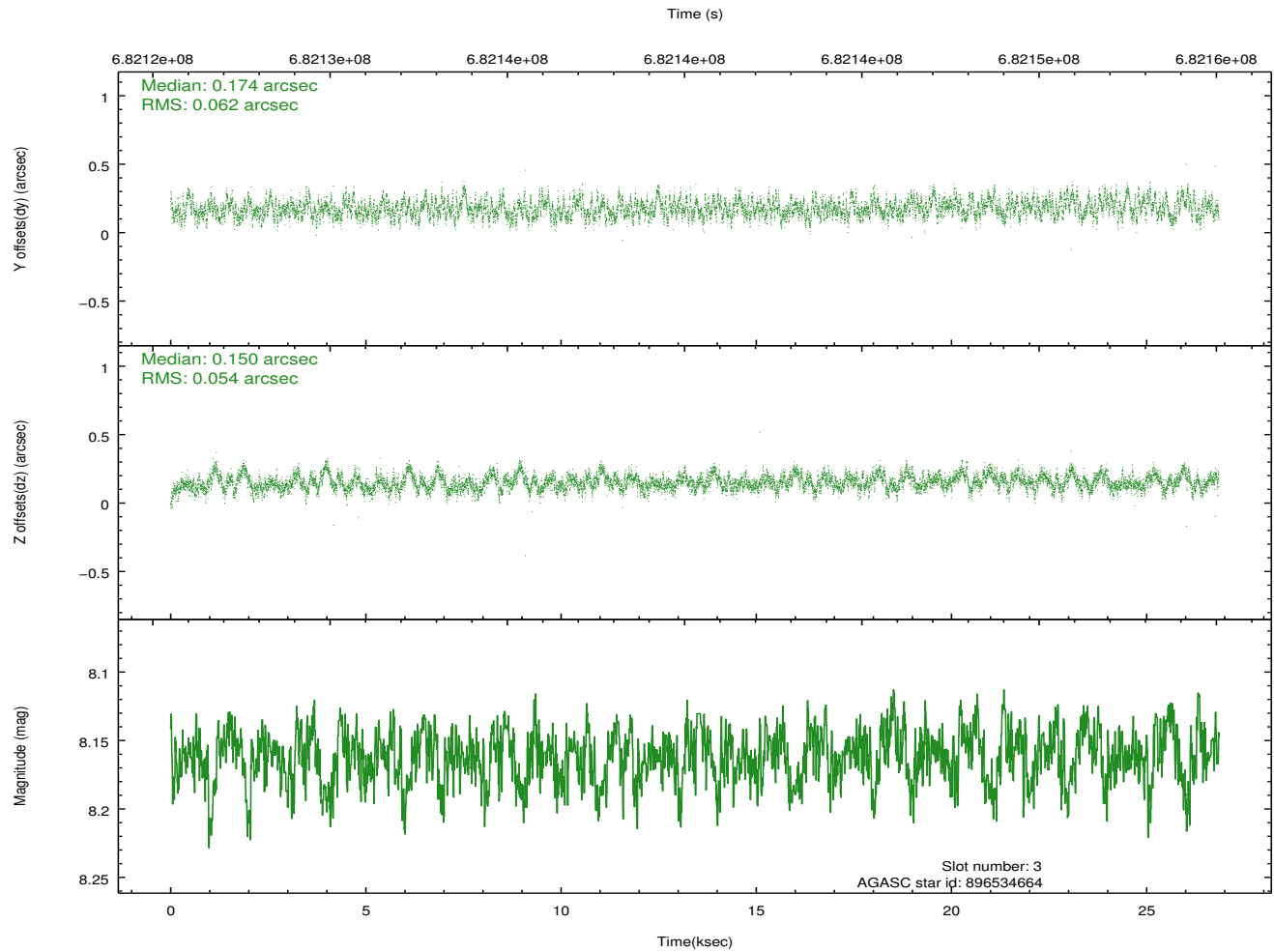
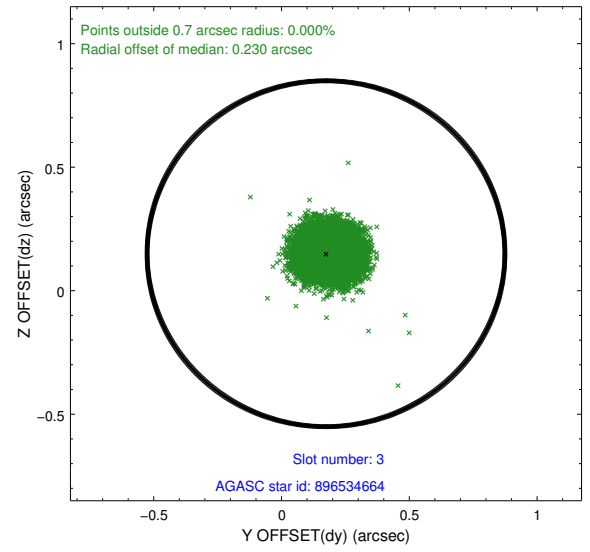
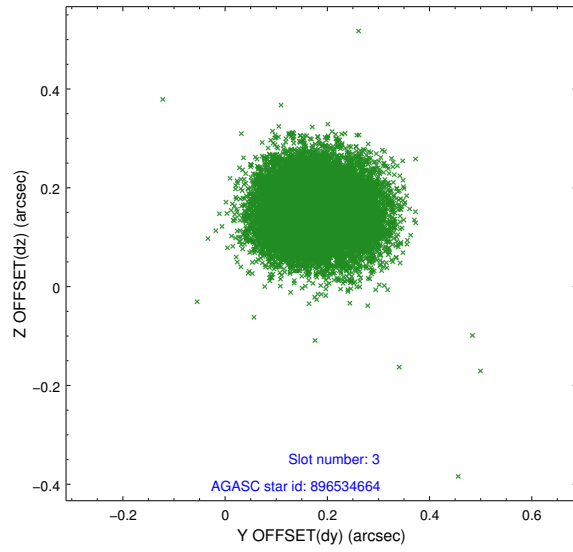


Slot Statistics

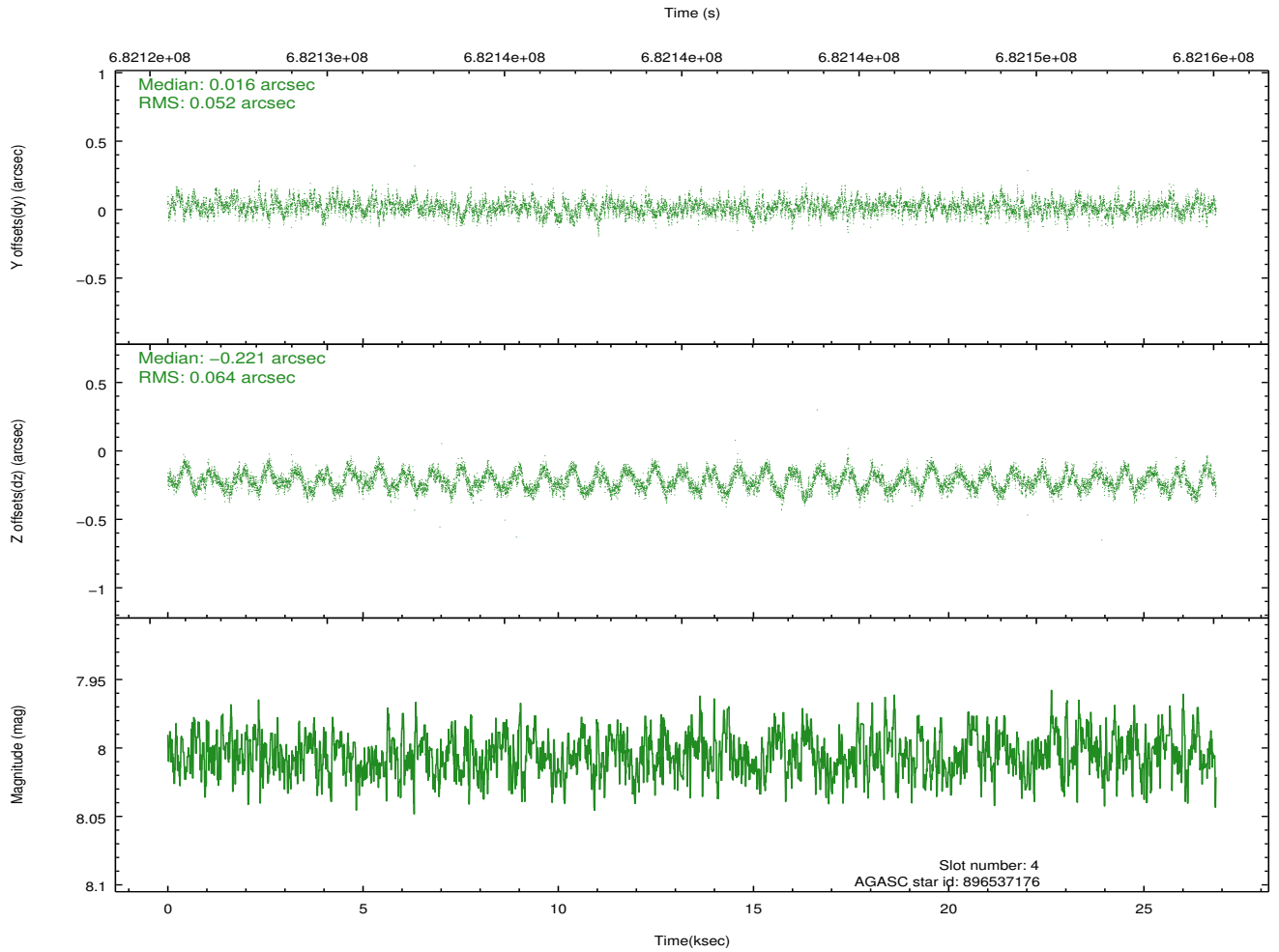
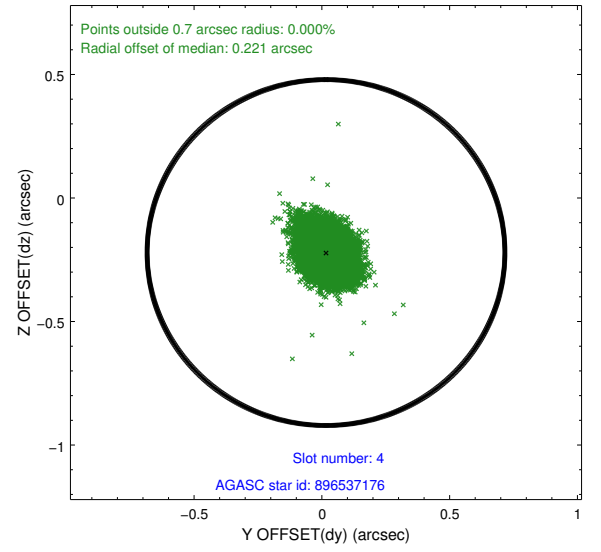
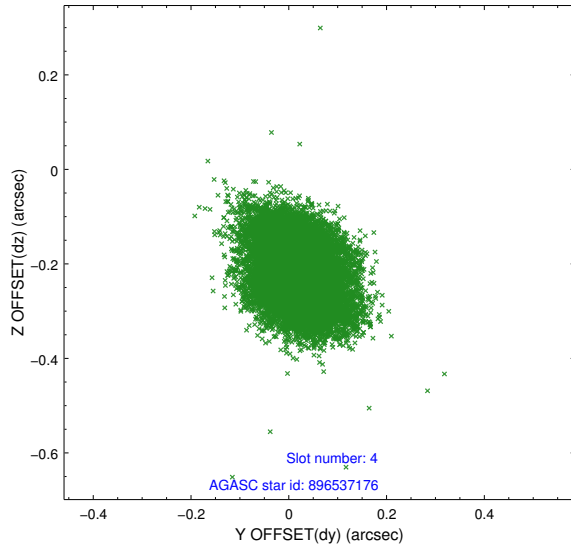
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	6548	1.000	-0.361	-0.222	0.011	0.020	0.000000	0.000000	-759.74	-1737
1	FID		ACIS-S-4	7.24	6549	1.000	0.410	0.217	0.014	0.020	0.000000	0.000000	2154.32	171
2	FID		ACIS-S-6	7.37	6549	1.000	-0.076	0.012	0.016	0.035	0.000000	0.000000	402.73	808
3	GUIDE	used	896534664	8.16	13093	1.000	0.174	0.150	0.088	0.137	266.405570	-28.407461	-2039.84	-370
4	GUIDE	used	896537176	8.01	13096	1.000	0.016	-0.221	0.089	0.140	266.498272	-28.678259	-1131.55	87
5	GUIDE	used	896537776	7.49	13096	1.000	-0.164	0.051	0.092	0.140	266.655684	-29.665673	2284.36	1187
6	GUIDE	used	896538696	6.77	13099	1.000	0.204	0.206	0.057	0.088	266.298470	-28.325572	-2271.81	-755
7	GUIDE	used	896533888	7.00	13095	1.000	-0.234	-0.185	0.065	0.104	266.666434	-29.392757	1310.66	1051

2.4 Star Slots

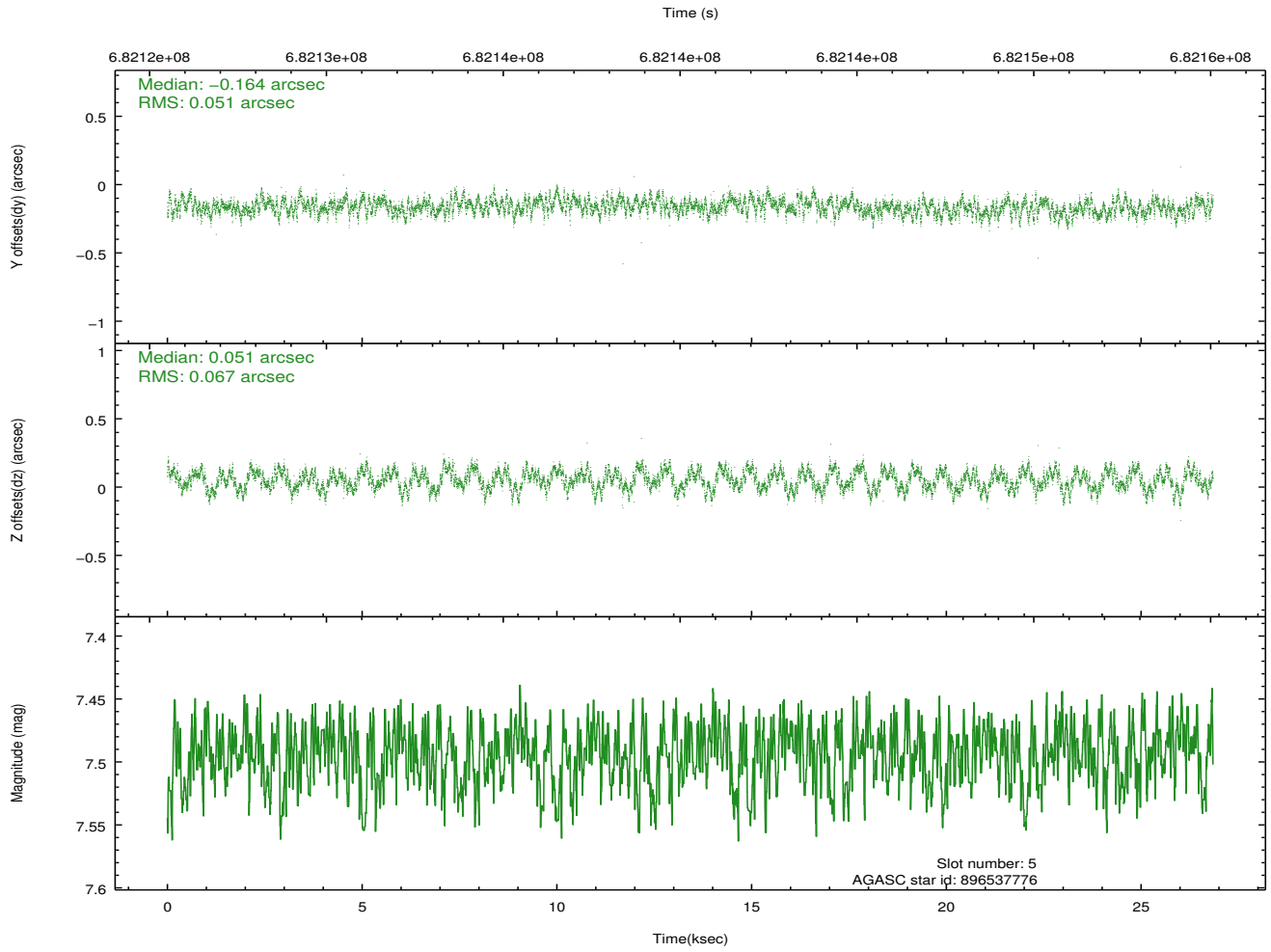
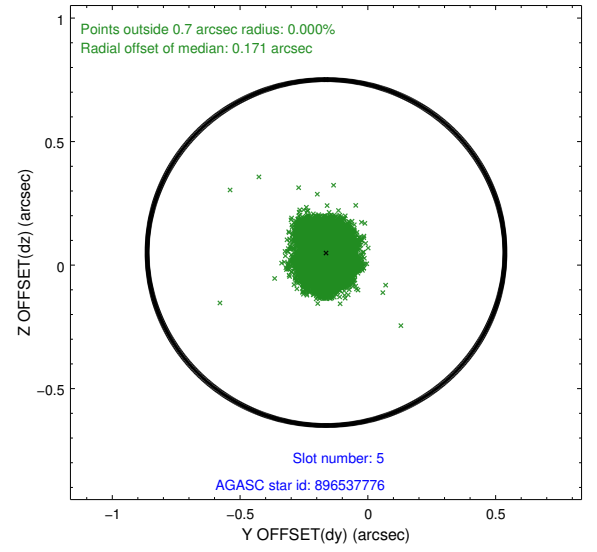
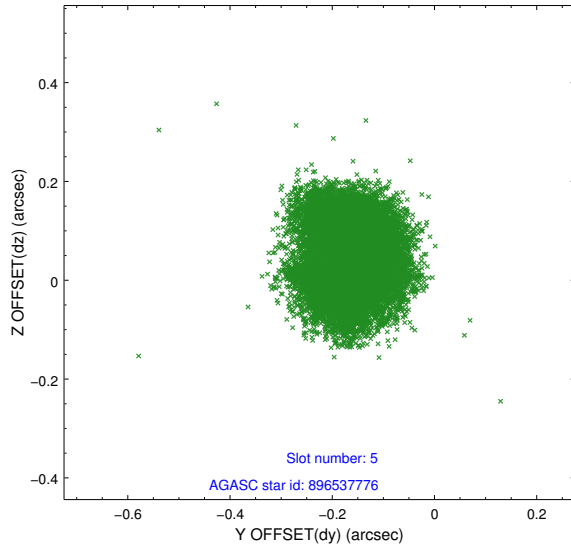
2.4.1 Slot 3



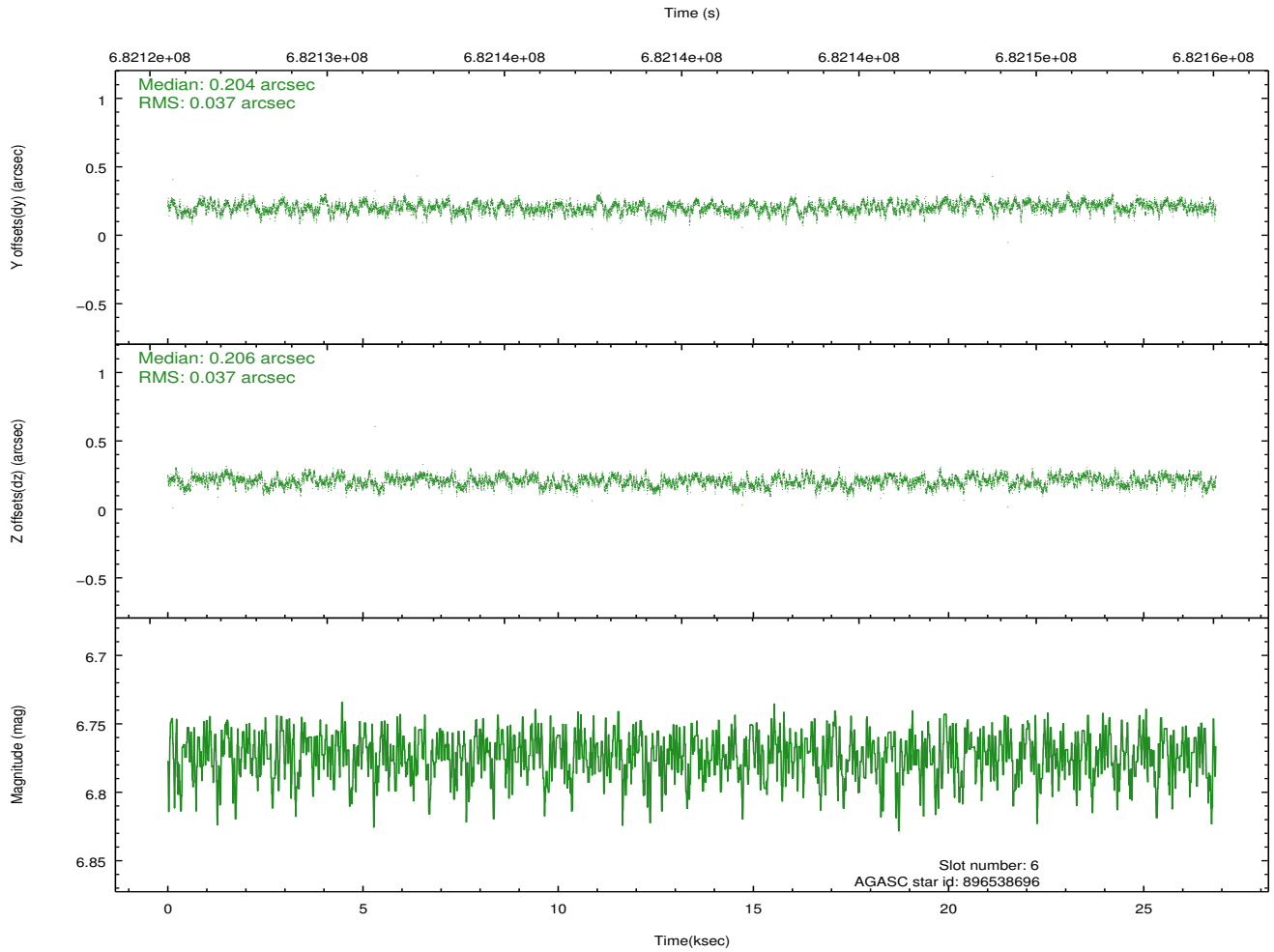
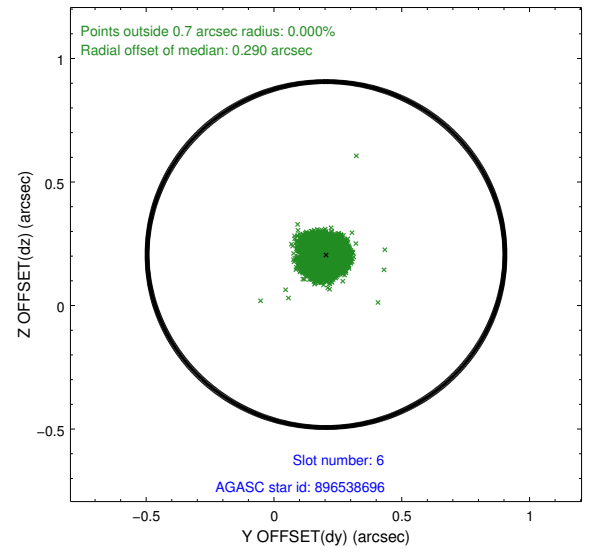
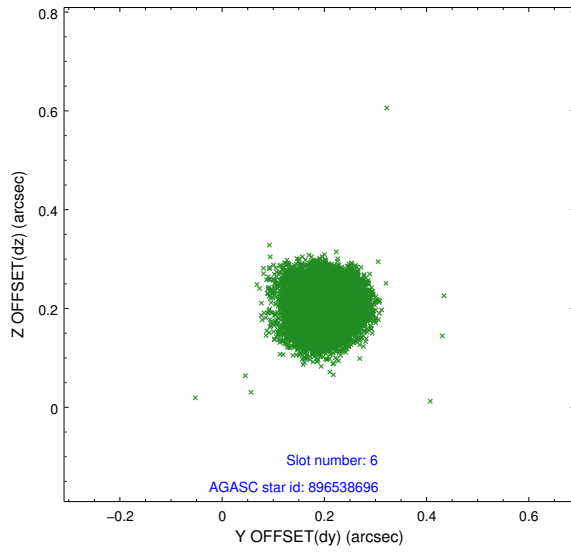
2.4.2 Slot 4



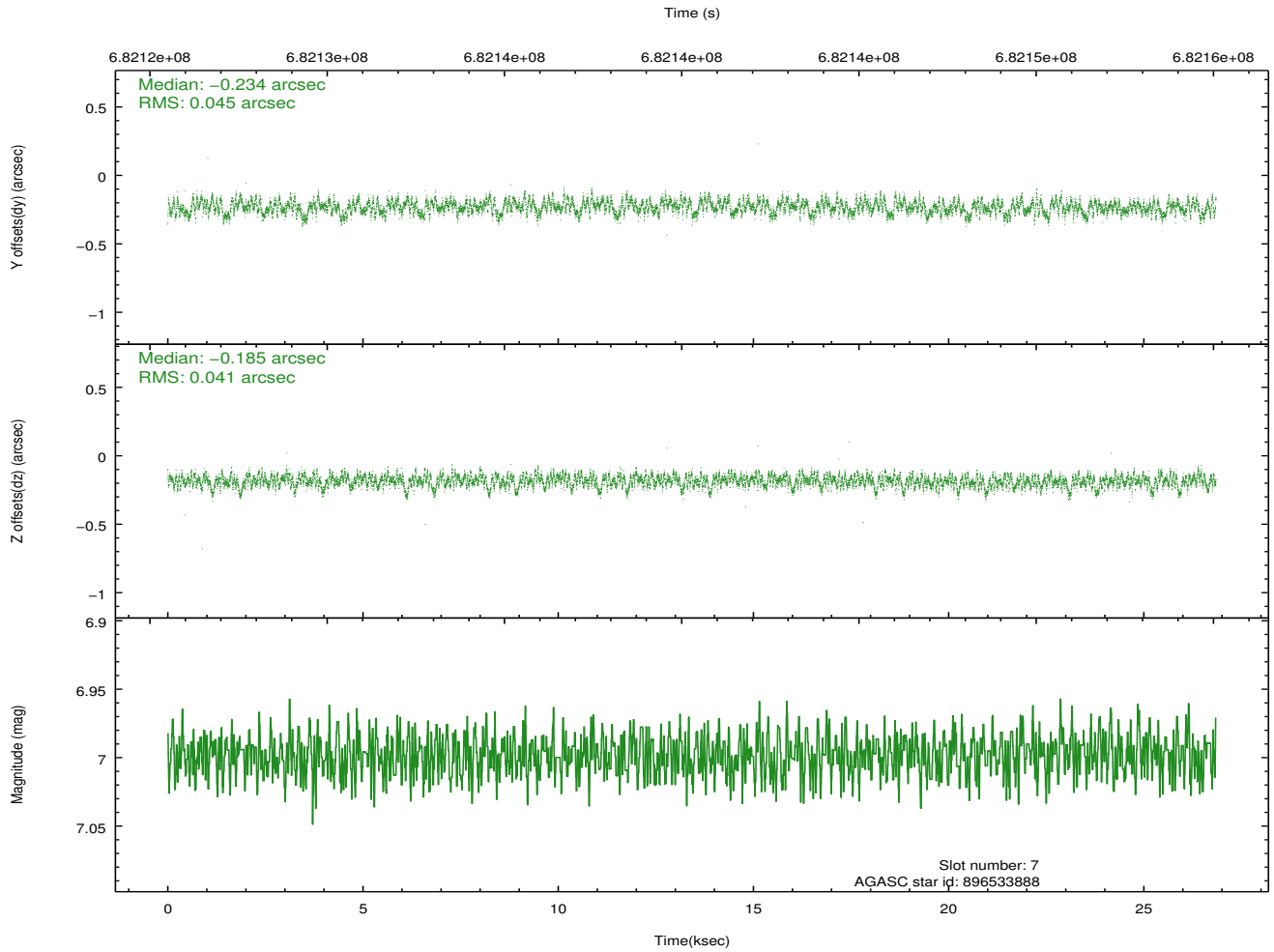
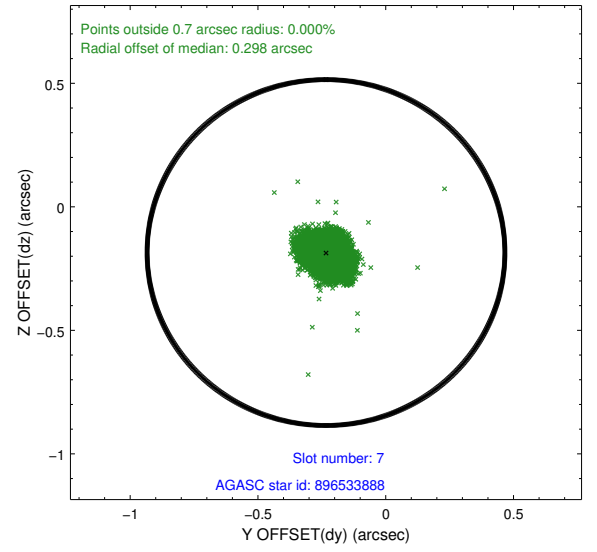
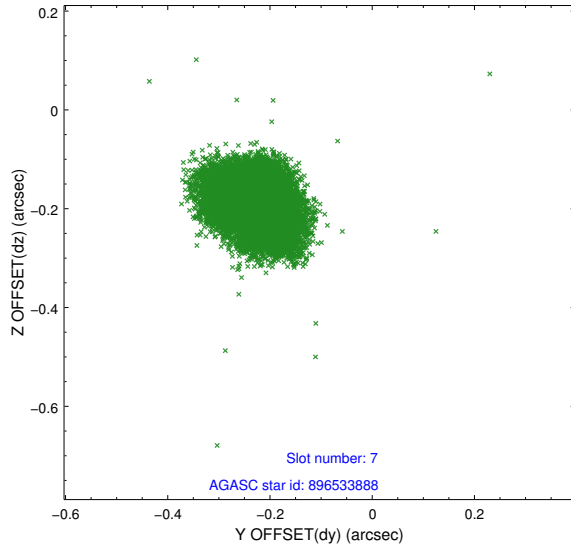
2.4.3 Slot 5



2.4.4 Slot 6

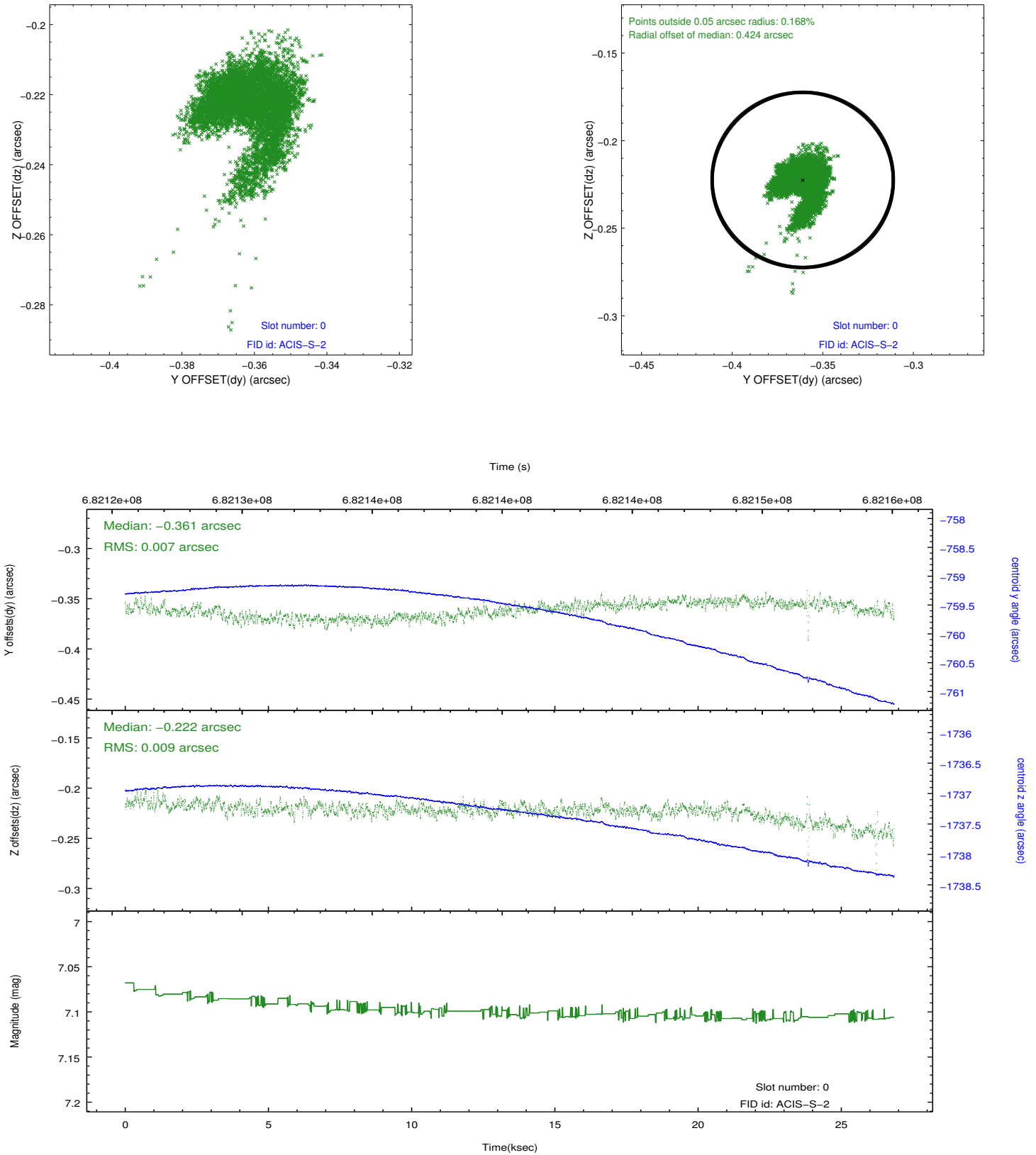


2.4.5 Slot 7

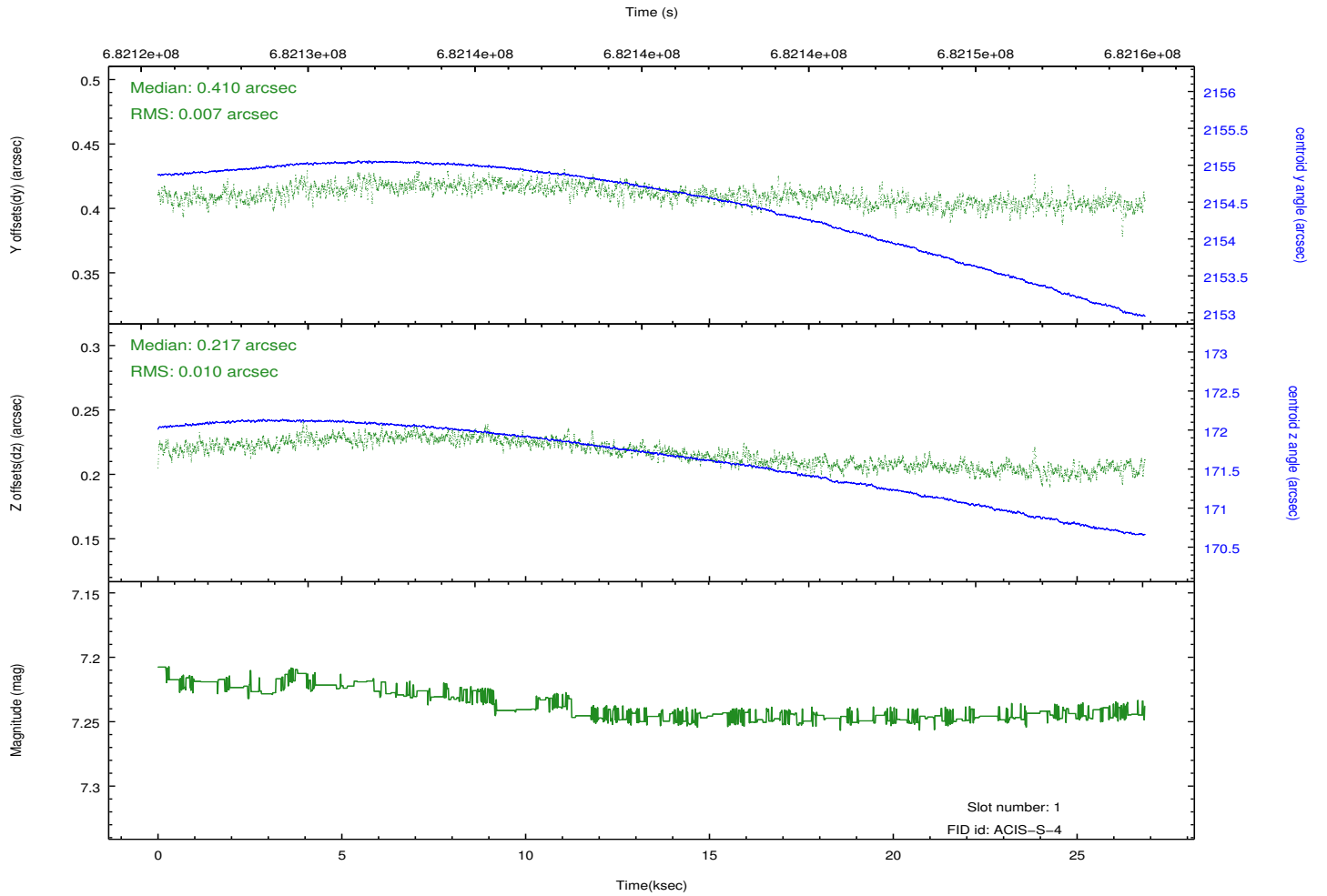
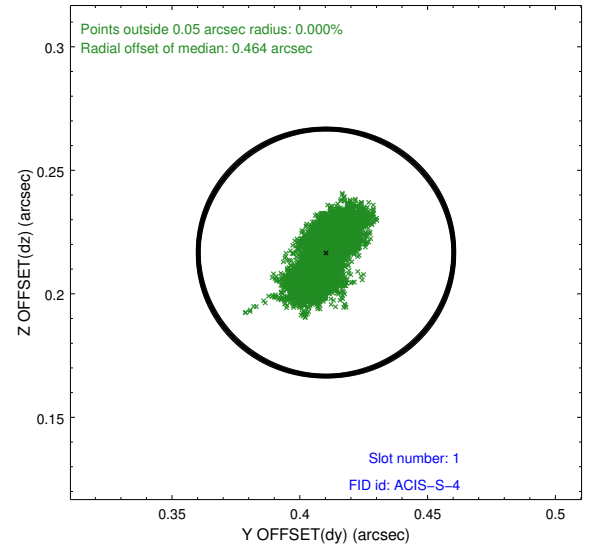
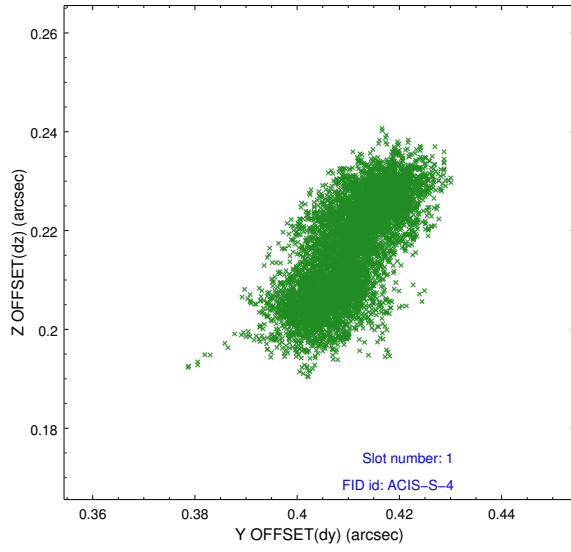


2.5 FID Slots

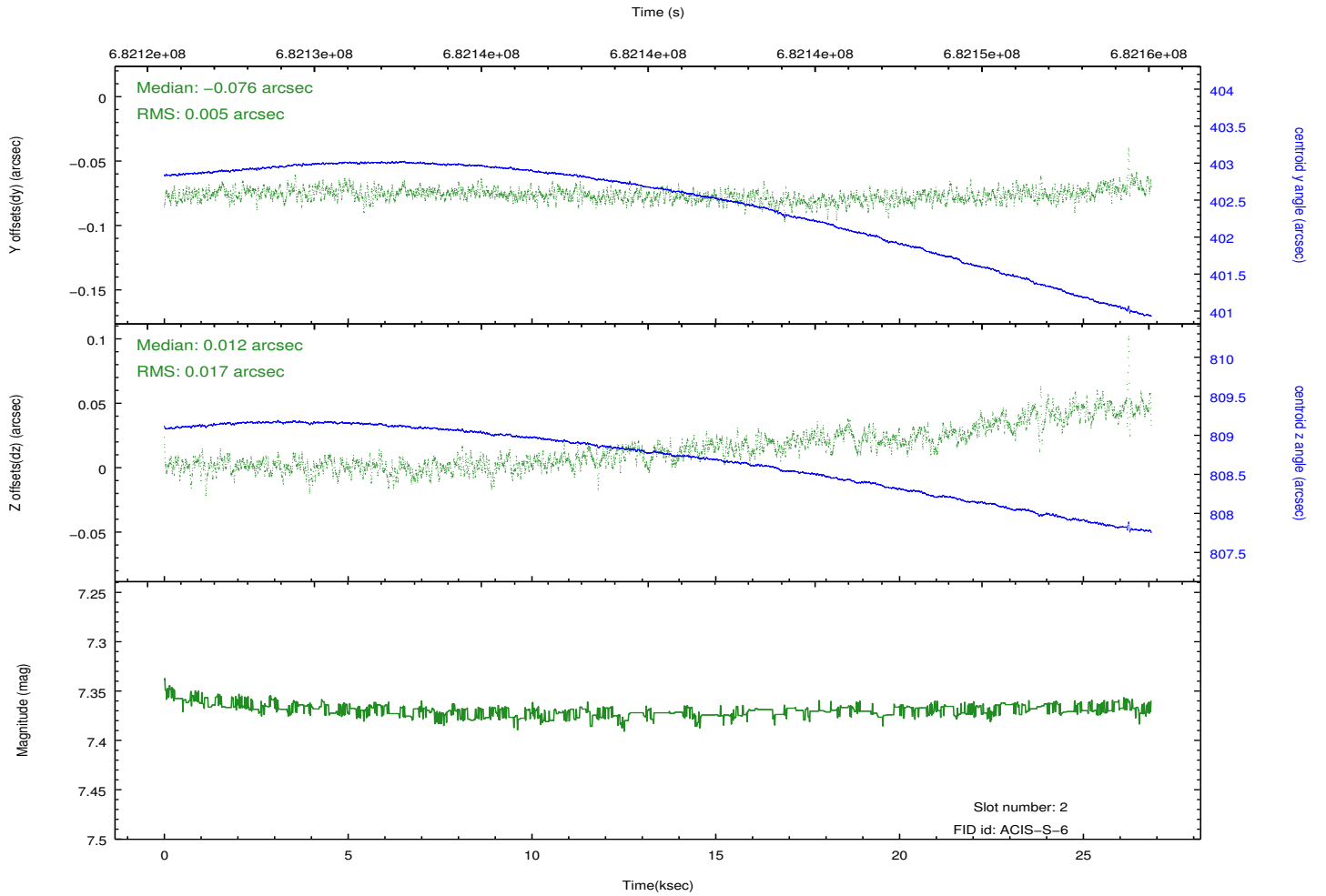
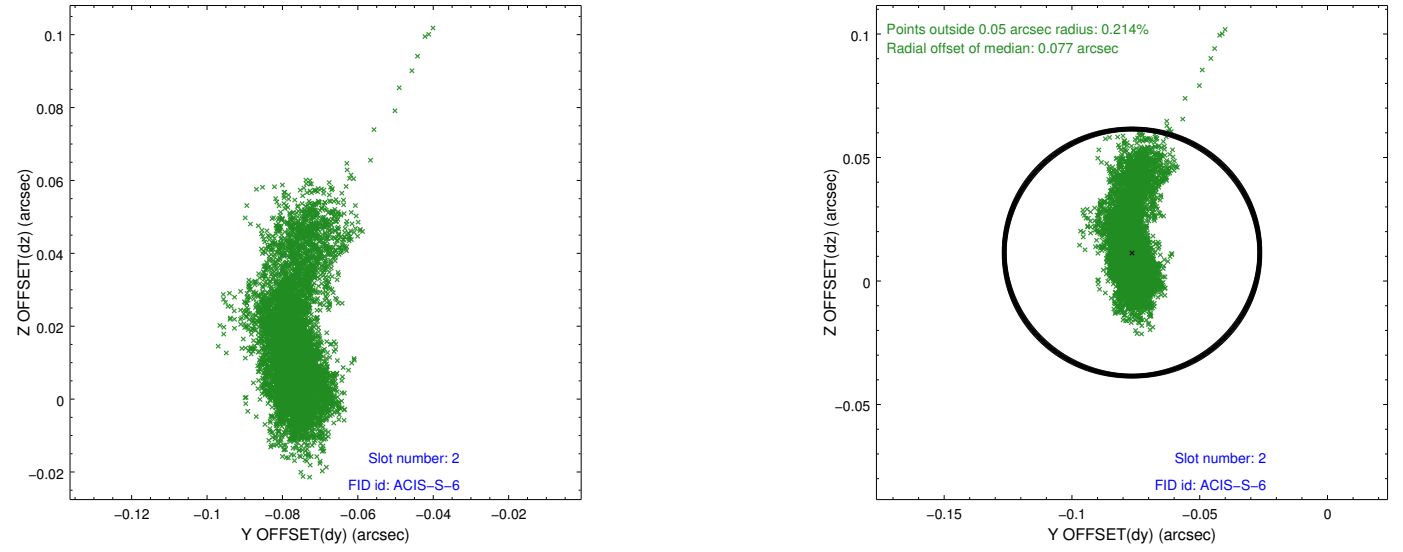
2.5.1 Slot 0



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)	2019.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.769198404312

A.2 Comments

Window constraint met.

Observation coordinated with NuSTAR.