

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18058 - L2 Version 1
Chandra X-Ray Center

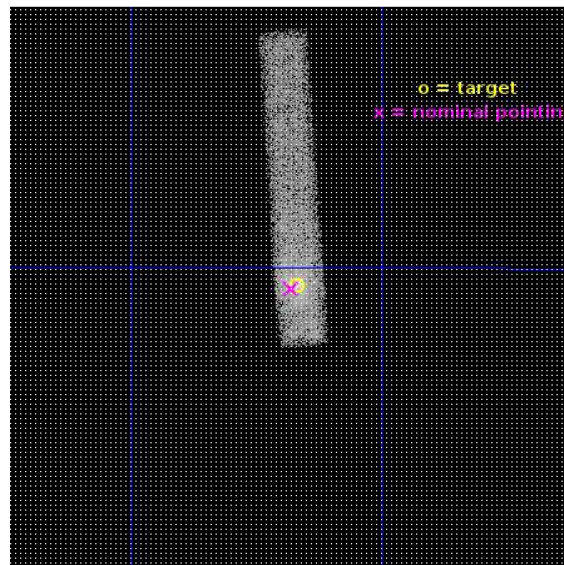
L2 Processing Date : Oct 15 2016

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1 Front

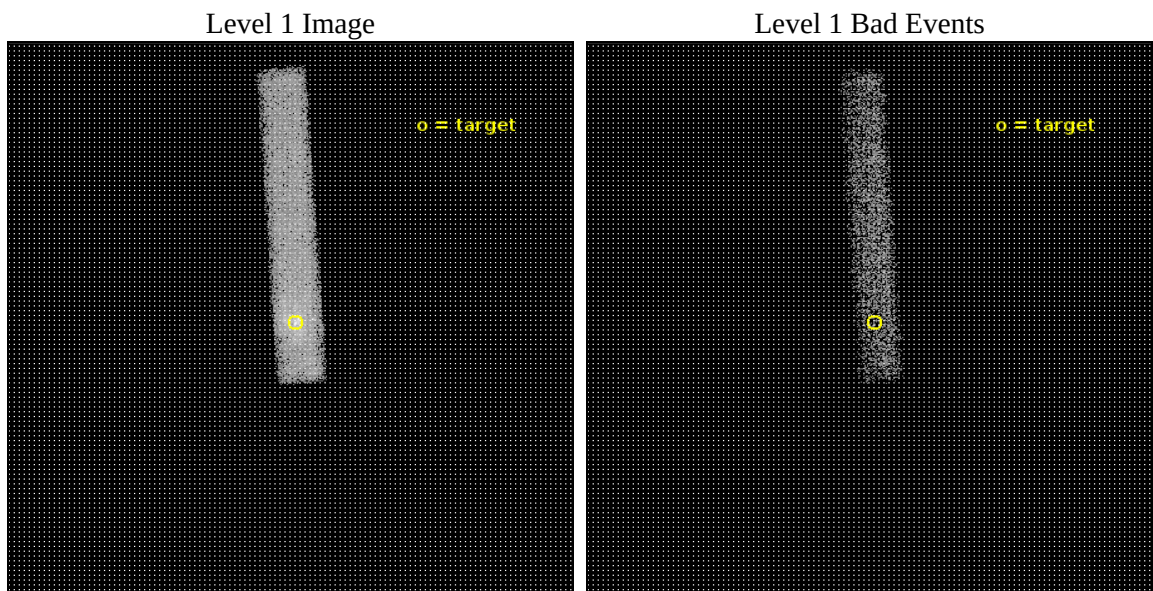
seq_num	601240	Sequence number
obs_id	18058	Observation id
title	Chandra Monitoring of Magnetar SGR J1745-2900, Sgr A* and Dusty Object G2	Proposal title
observer	Gordon Garmire	Principal investigator
object	SgrA*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007833	Observer's specified target Dec [deg]
ra_nom	266.41973822331	Nominal RA [deg]
dec_nom	-29.00932642255	Nominal Dec [deg]
roll_nom	266.2391791462	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25069.531143069	Sum of GTIs [s]
livetime	22736.74146841	Livetime [s]
ontime7	25069.531143069	Sum of GTIs [s]
l2events	25985	Number of level 2 events



2 OBI

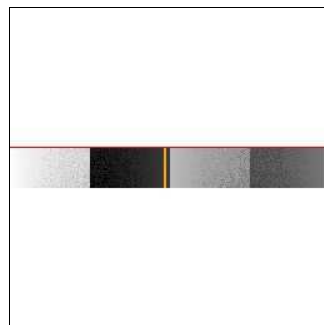
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	25069.531143069	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	25069.531143069	Sum of GTIs [s]
date	2016-10-15T04:25:36	Date and time of file creation	l1events	42148	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

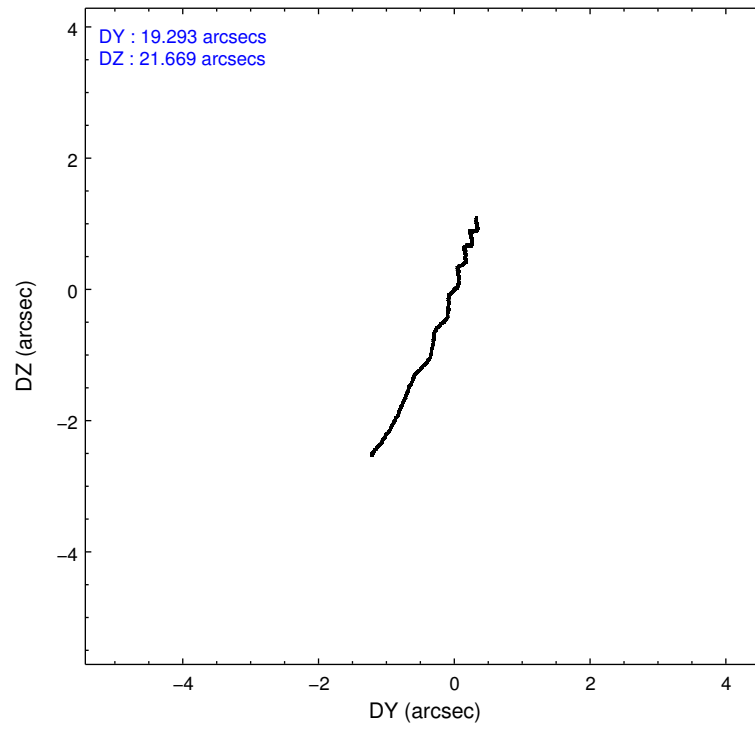
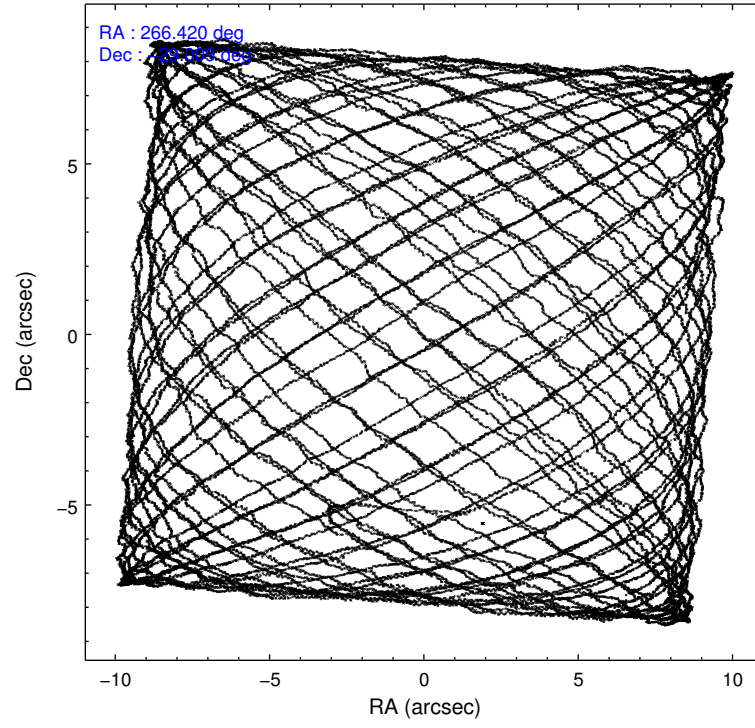
	ccd 7
level 1 events	42148
rejected events	15453
rejected %	36%

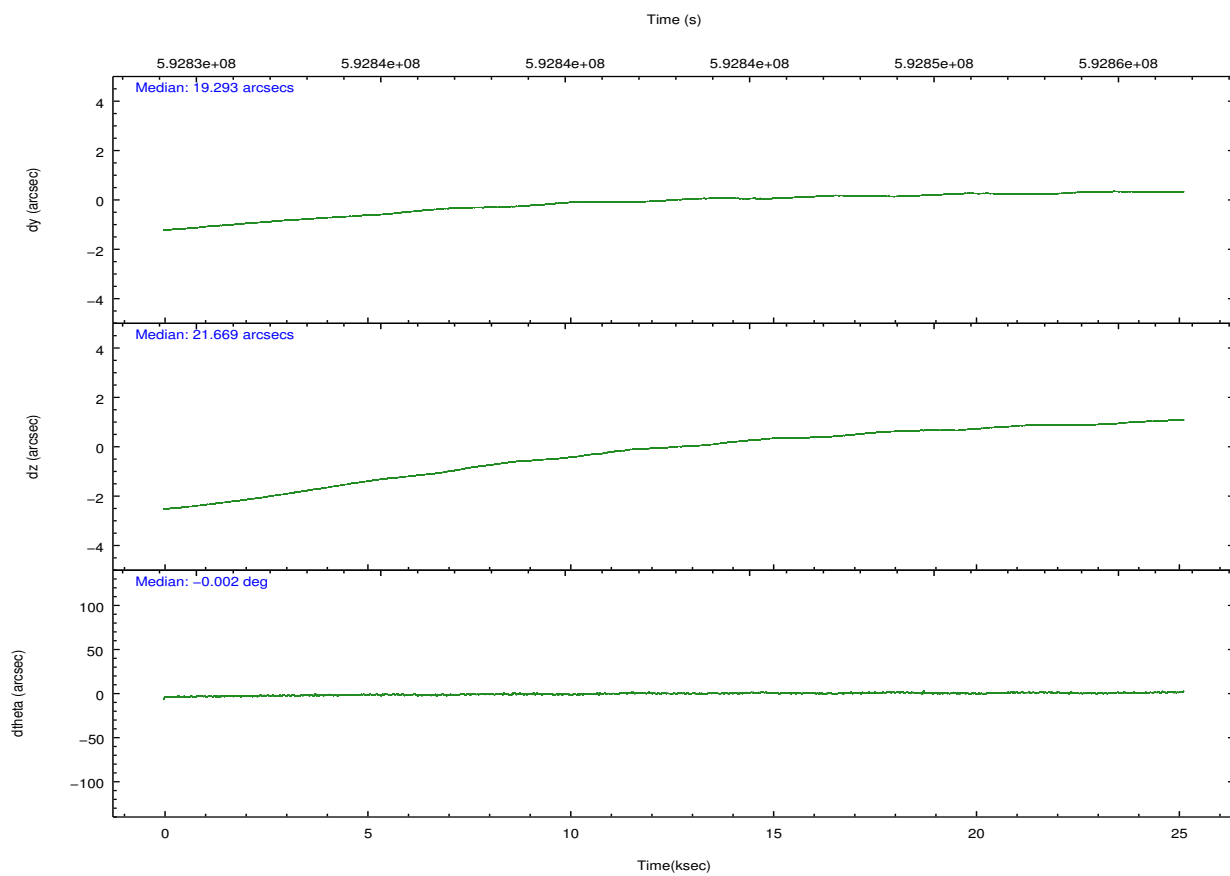
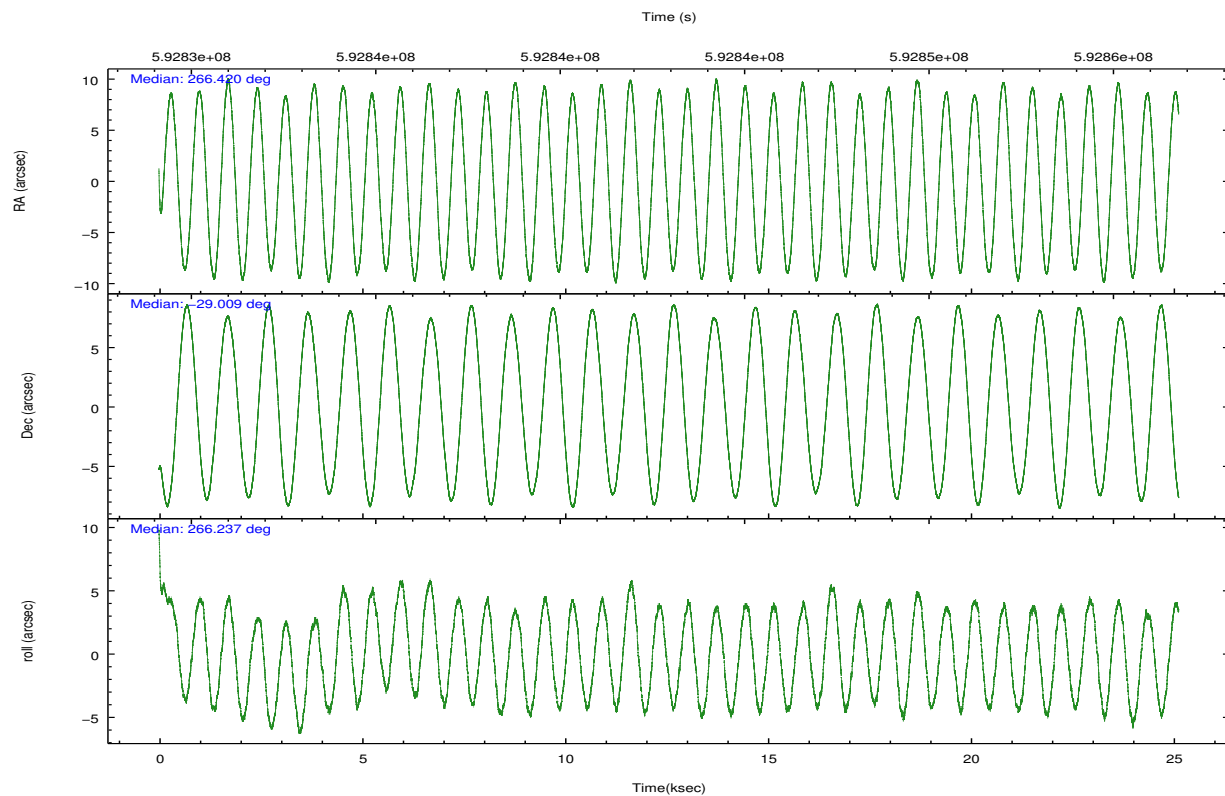
	ccd 7
grade 0 events	3972
	9%
grade 1 events	57
	0%
grade 2 events	5730
	13%
grade 3 events	3218
	7%
grade 4 events	3008
	7%
grade 5 events	3008
	7%
grade 6 events	10769
	25%
grade 7 events	12386
	29%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.405479	266.4197382233058	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-28.984865	-29.00932642255045	Subarray start row	449	449
[deg] Pointing Roll	266.075642	266.2391791461972	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	592830507.184000	592829263.77151			
Observation start date	2016-10-14T11:07:19	2016-10-14T10:47:43			
[s] Observation end time (MET)	592855507.184000	592856204.87307			
Observation end date	2016-10-14T18:03:59	2016-10-14T18:16:44			
Read mode	TIMED	TIMED			

2.3 Aspect



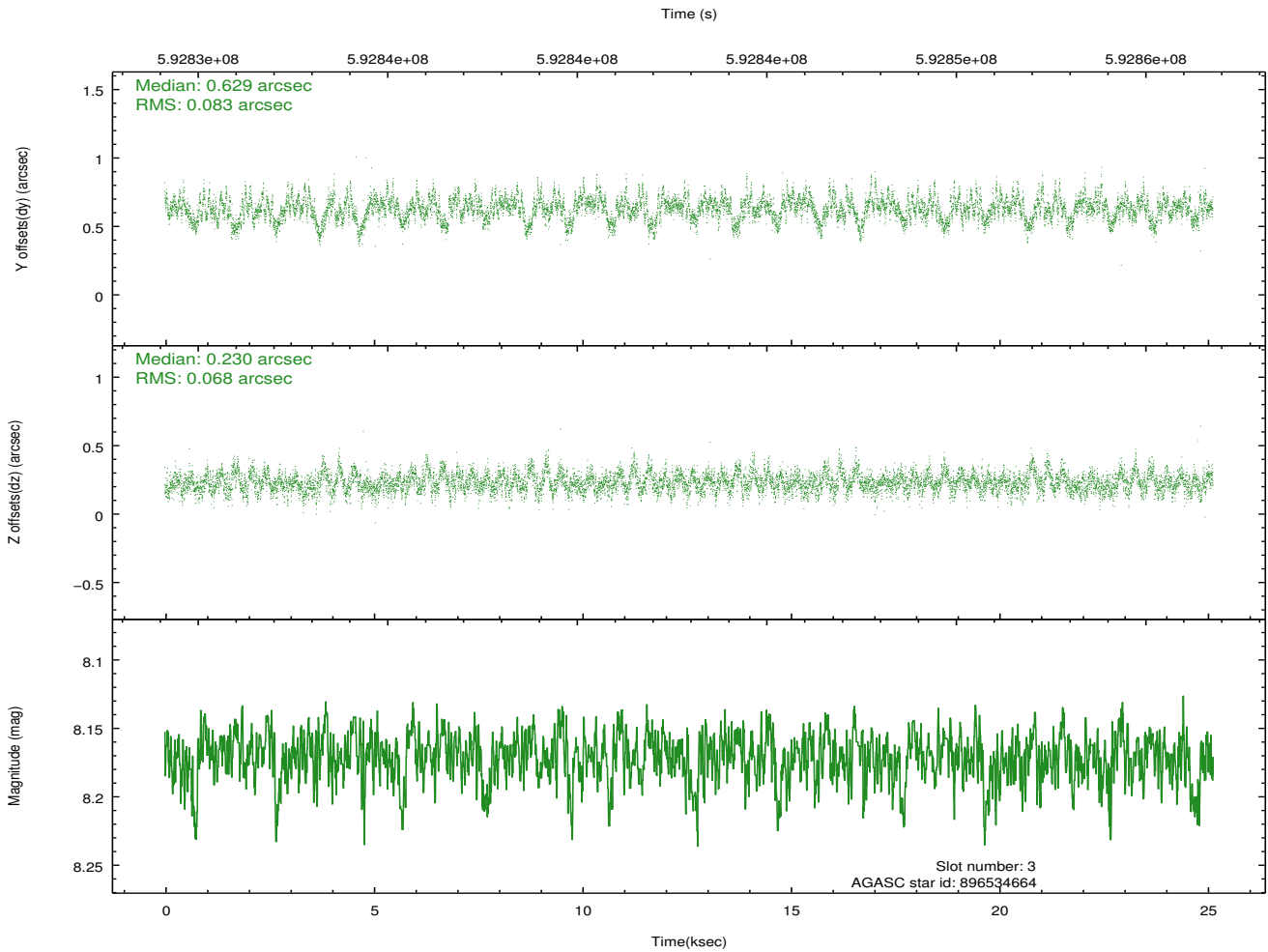
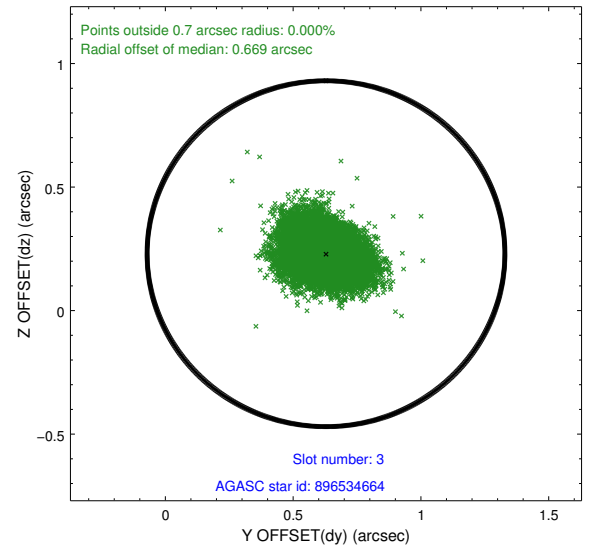
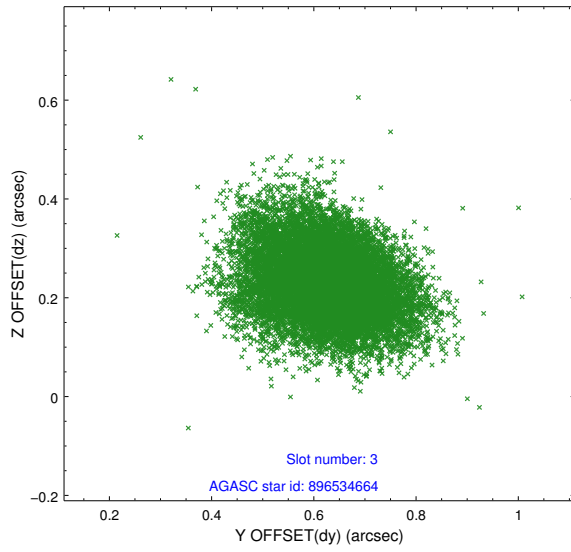


Slot Statistics

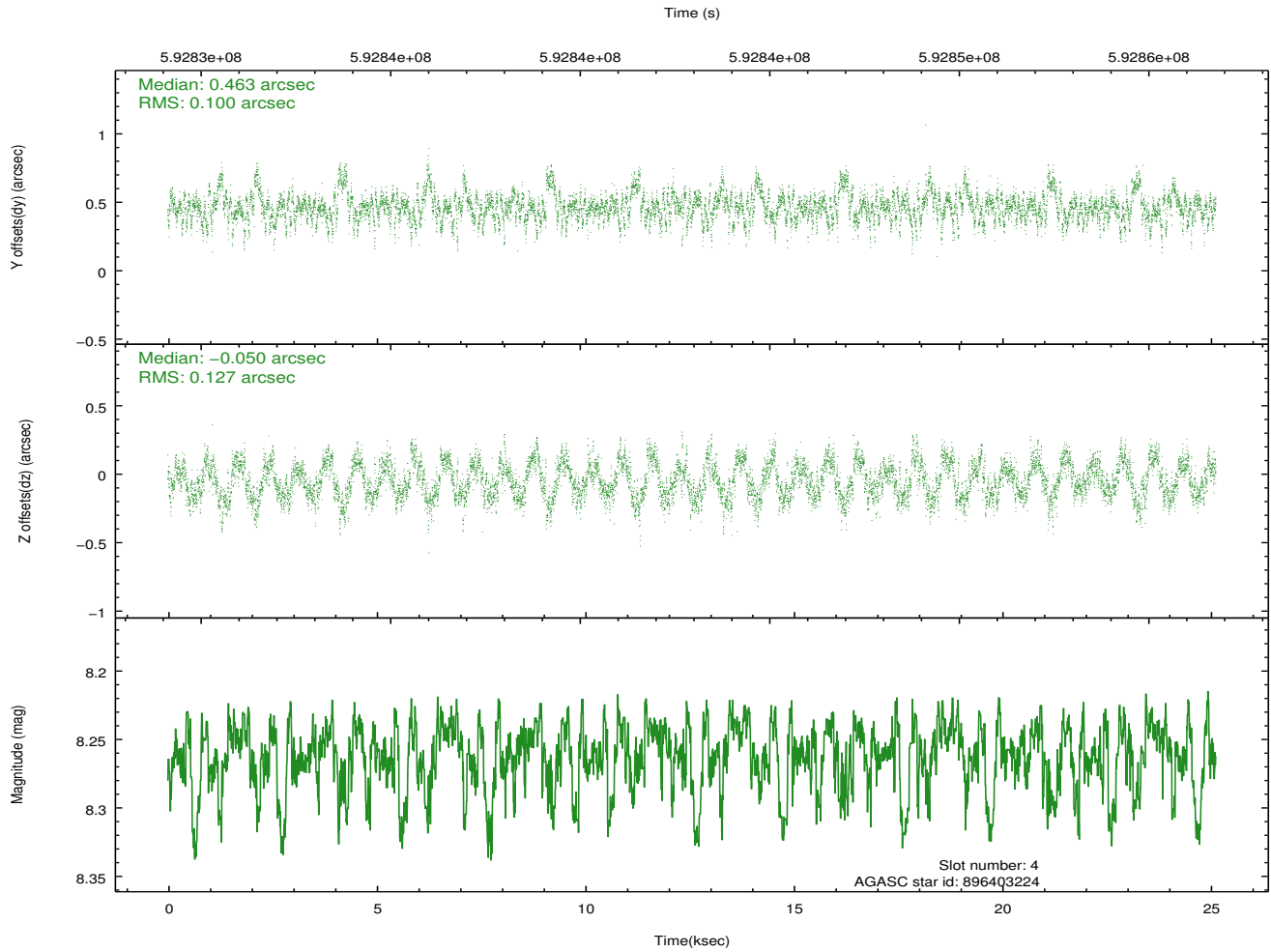
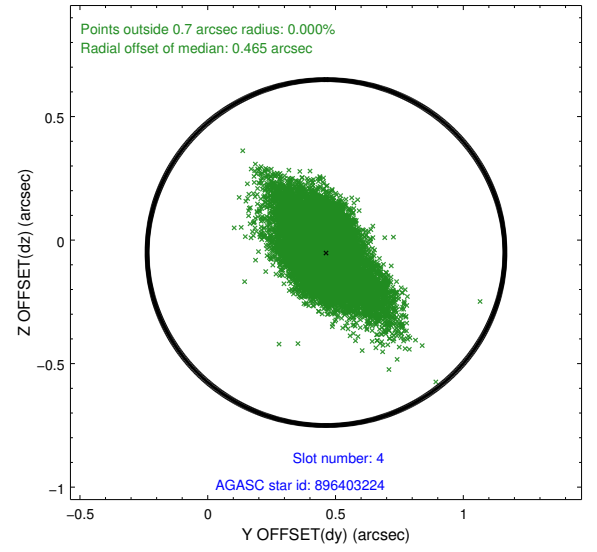
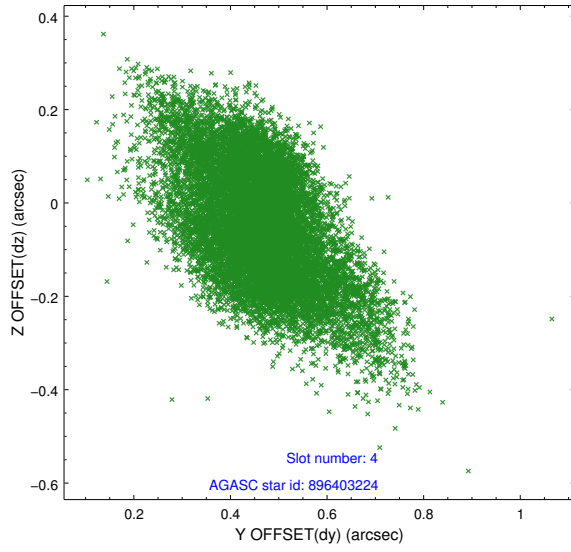
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.06	6131	-0.328	-0.232	0.009	0.027	0.000000	0.000000	-772.61	-1743.08
1	FID		ACIS-S-4	7.17	6128	0.334	0.189	0.007	0.013	0.000000	0.000000	2141.35	165.58
2	FID		ACIS-S-6	7.31	6131	-0.034	0.048	0.011	0.019	0.000000	0.000000	389.91	803.04
3	GUIDE	used	896534664	8.17	12259	0.629	0.230	0.114	0.189	266.405570	-28.407461	-2072.74	-141.77
4	GUIDE	used	896403224	8.26	12255	0.463	-0.050	0.166	0.293	265.612825	-29.438915	1810.43	-2366.66
5	GUIDE	used	896538696	6.82	12262	-0.242	0.235	0.084	0.138	266.298470	-28.325572	-2344.18	-500.76
6	GUIDE	used	896537776	7.53	12258	-0.485	-0.109	0.093	0.163	266.655684	-29.665673	2392.16	948.71
7	GUIDE	used	896541360	7.70	12255	-0.368	-0.303	0.119	0.175	266.684478	-29.453744	1625.41	988.06

2.4 Star Slots

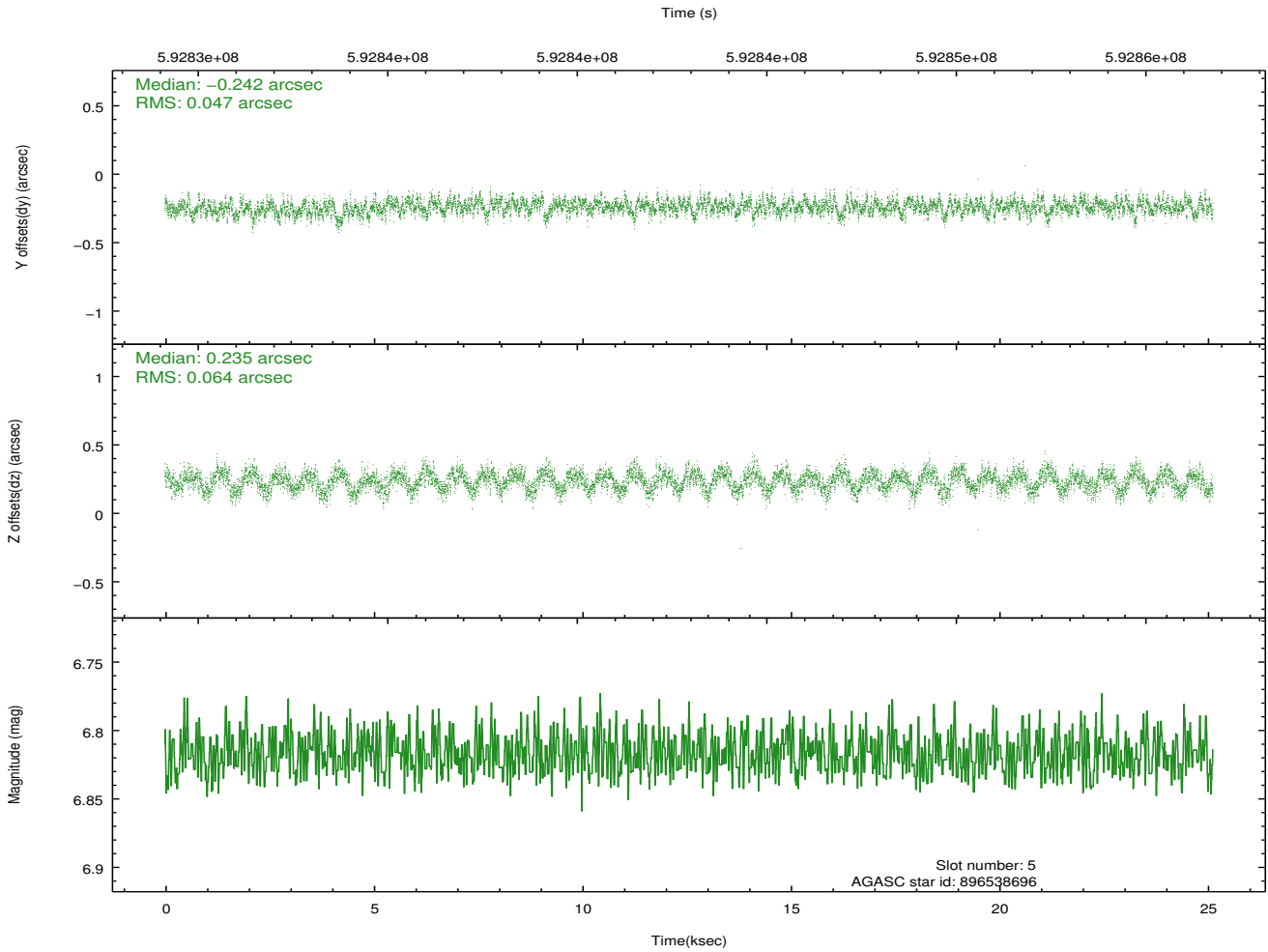
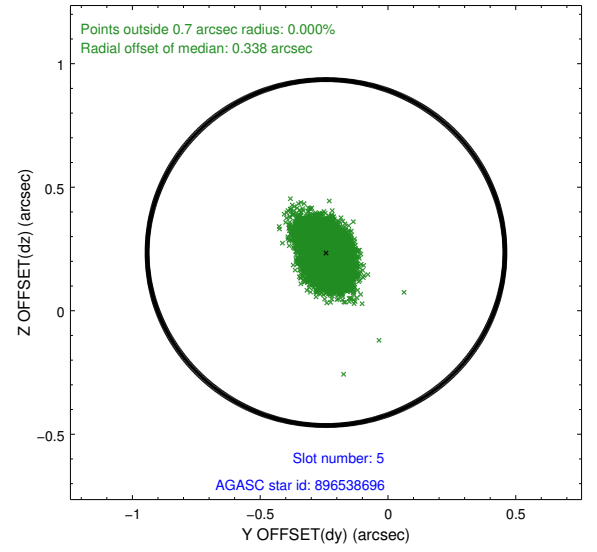
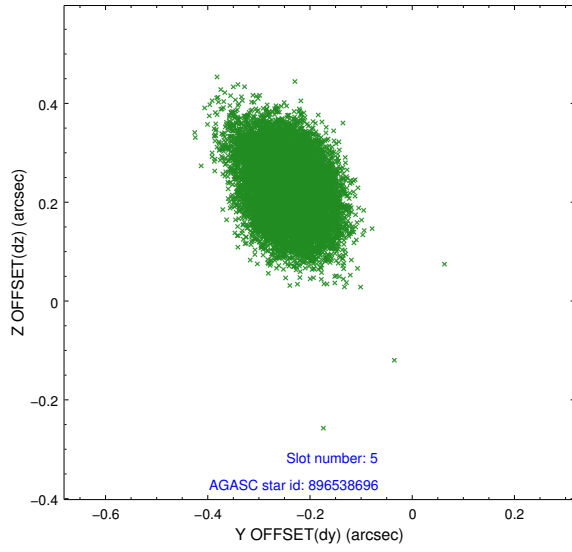
2.4.1 Slot 3



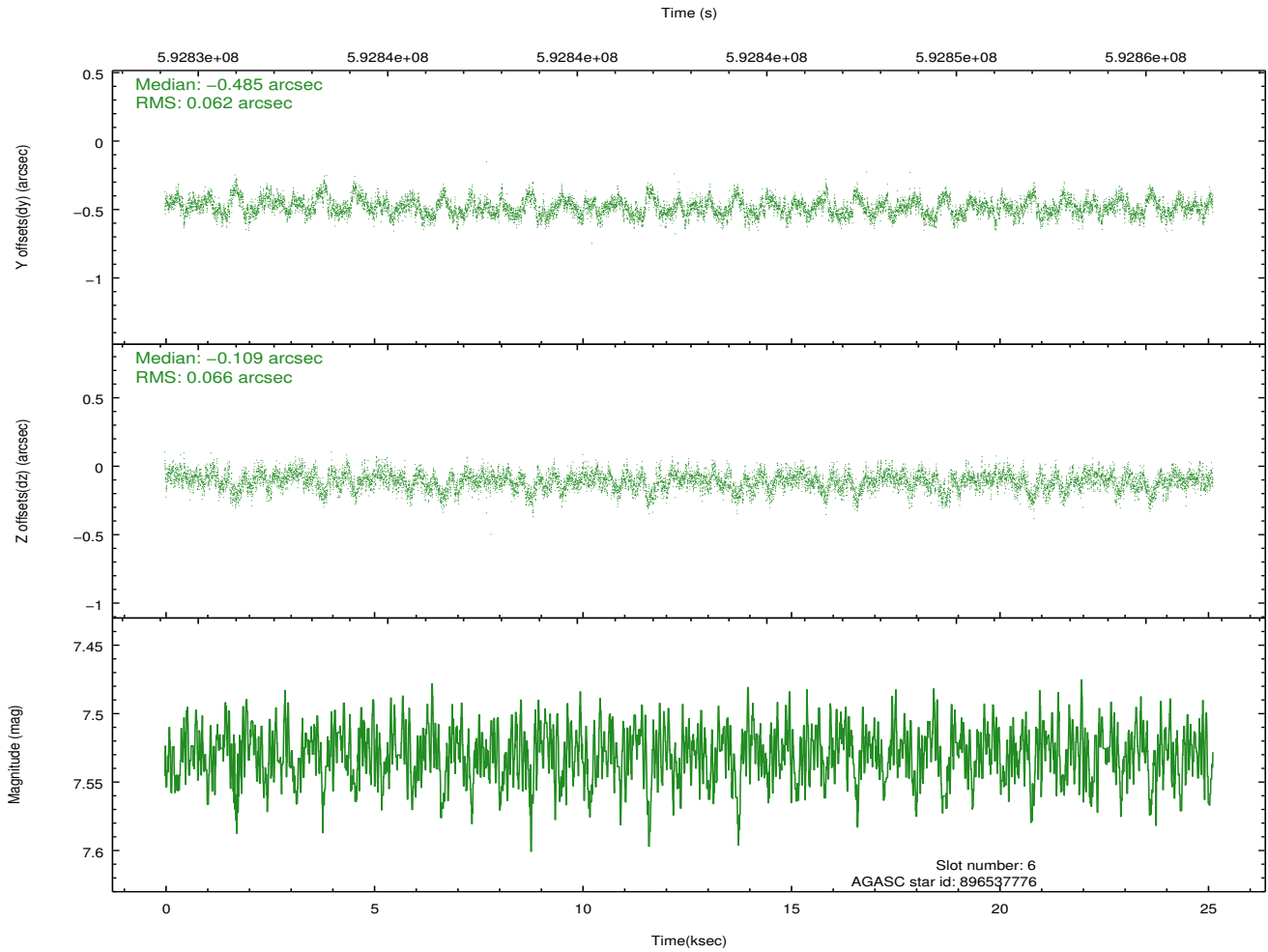
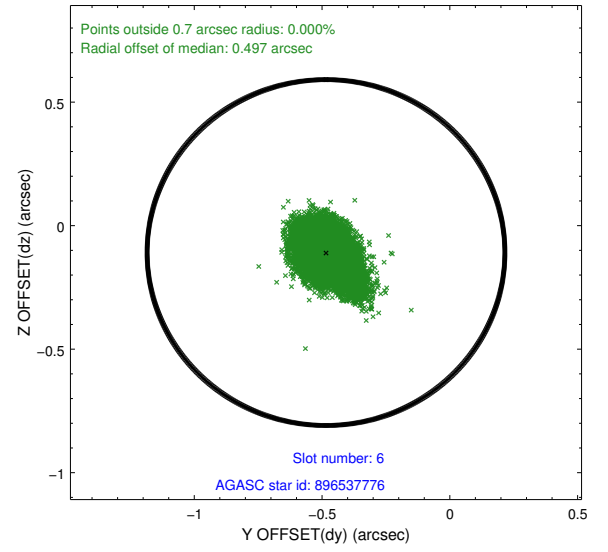
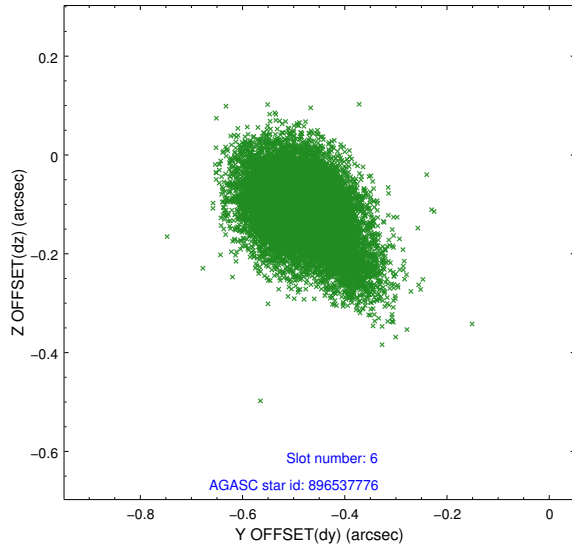
2.4.2 Slot 4



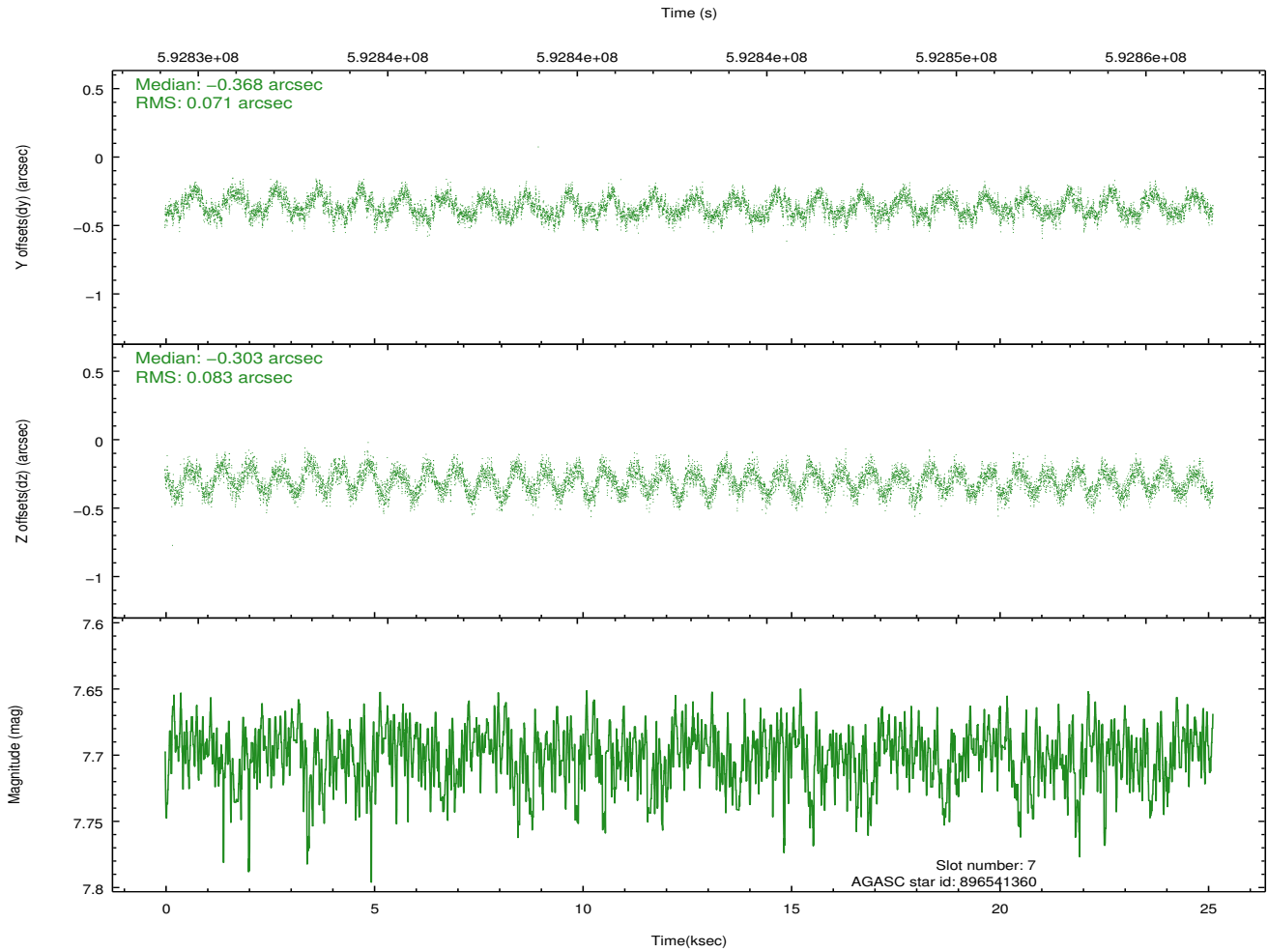
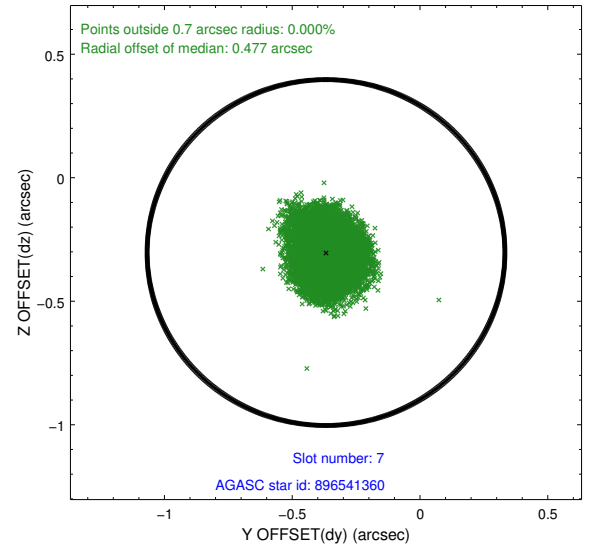
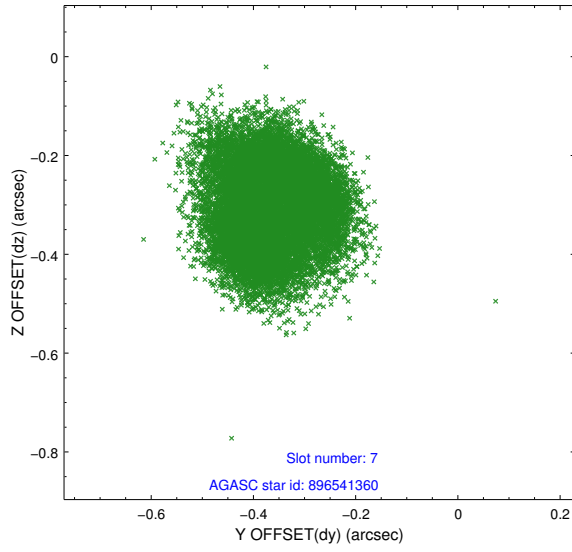
2.4.3 Slot 5



2.4.4 Slot 6

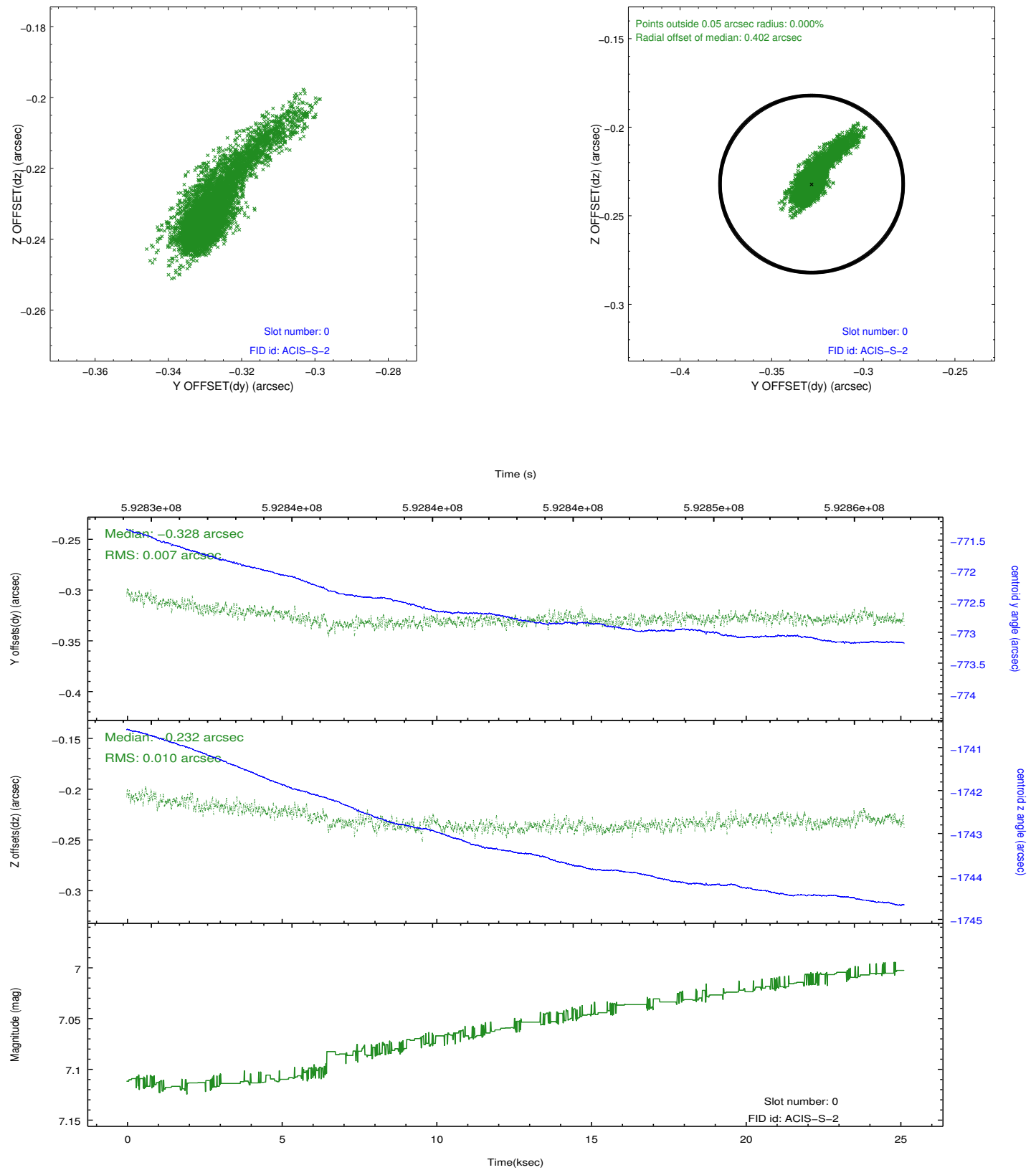


2.4.5 Slot 7

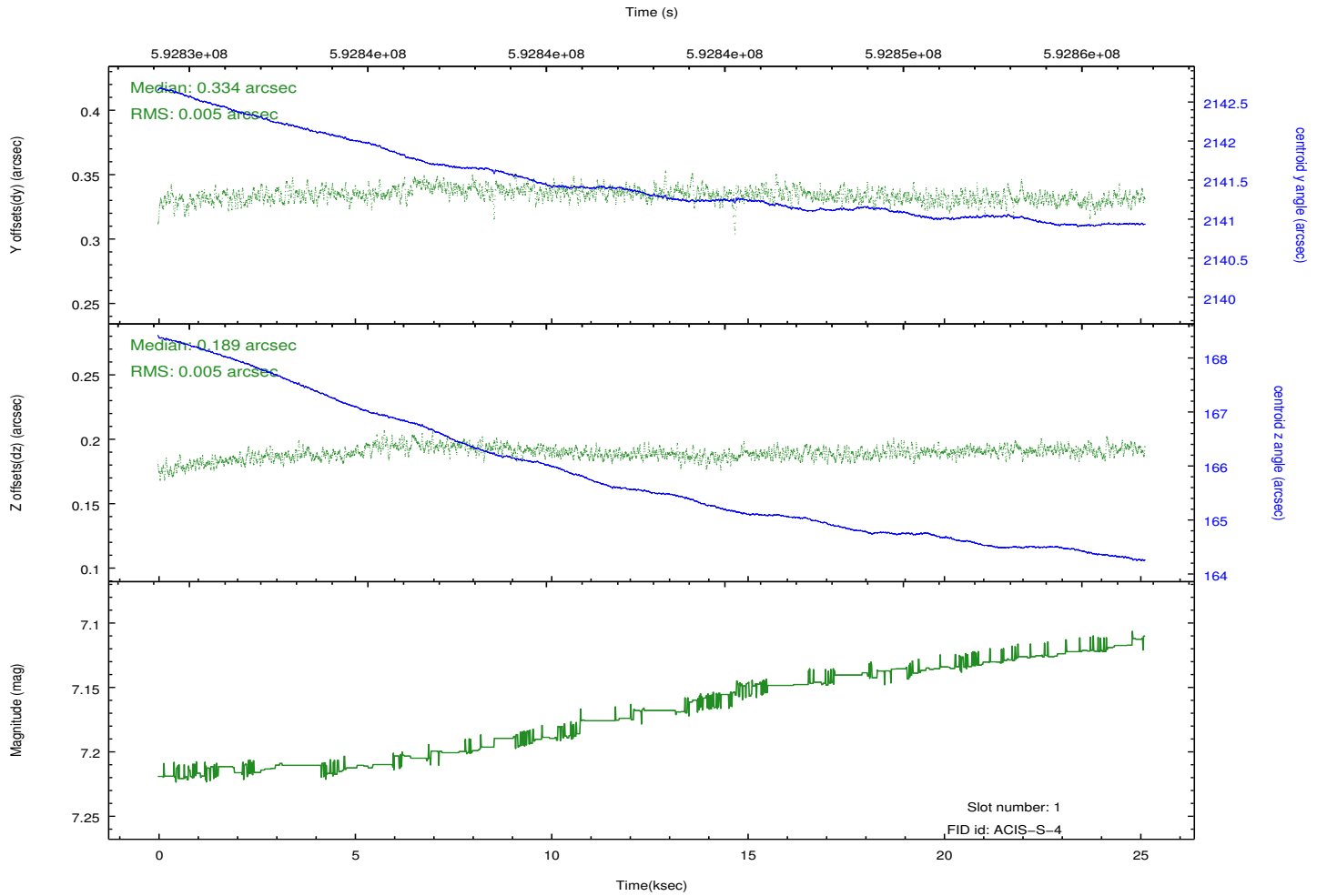
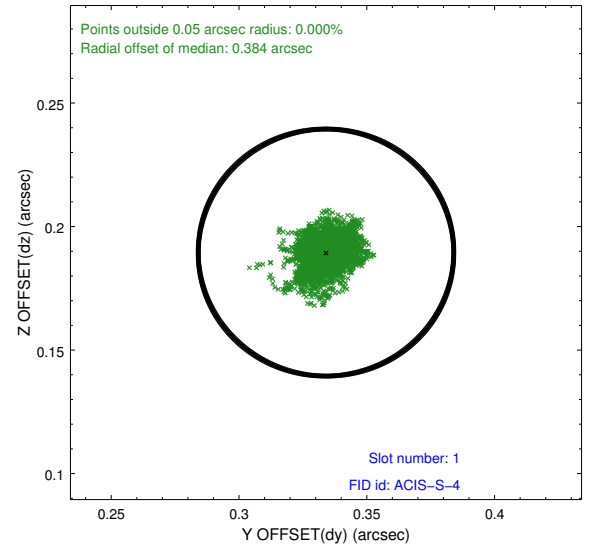
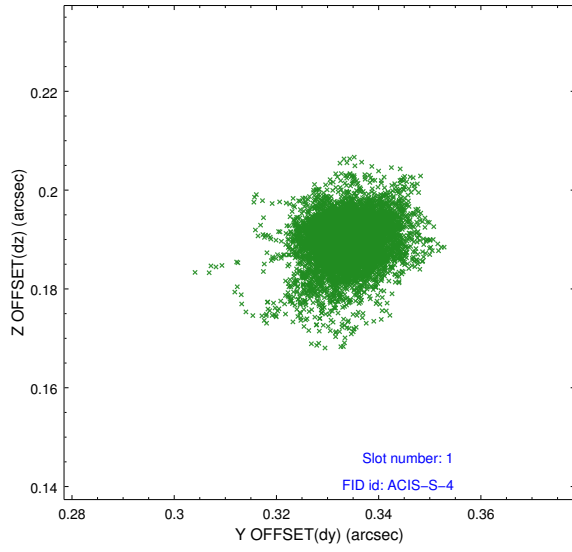


2.5 FID Slots

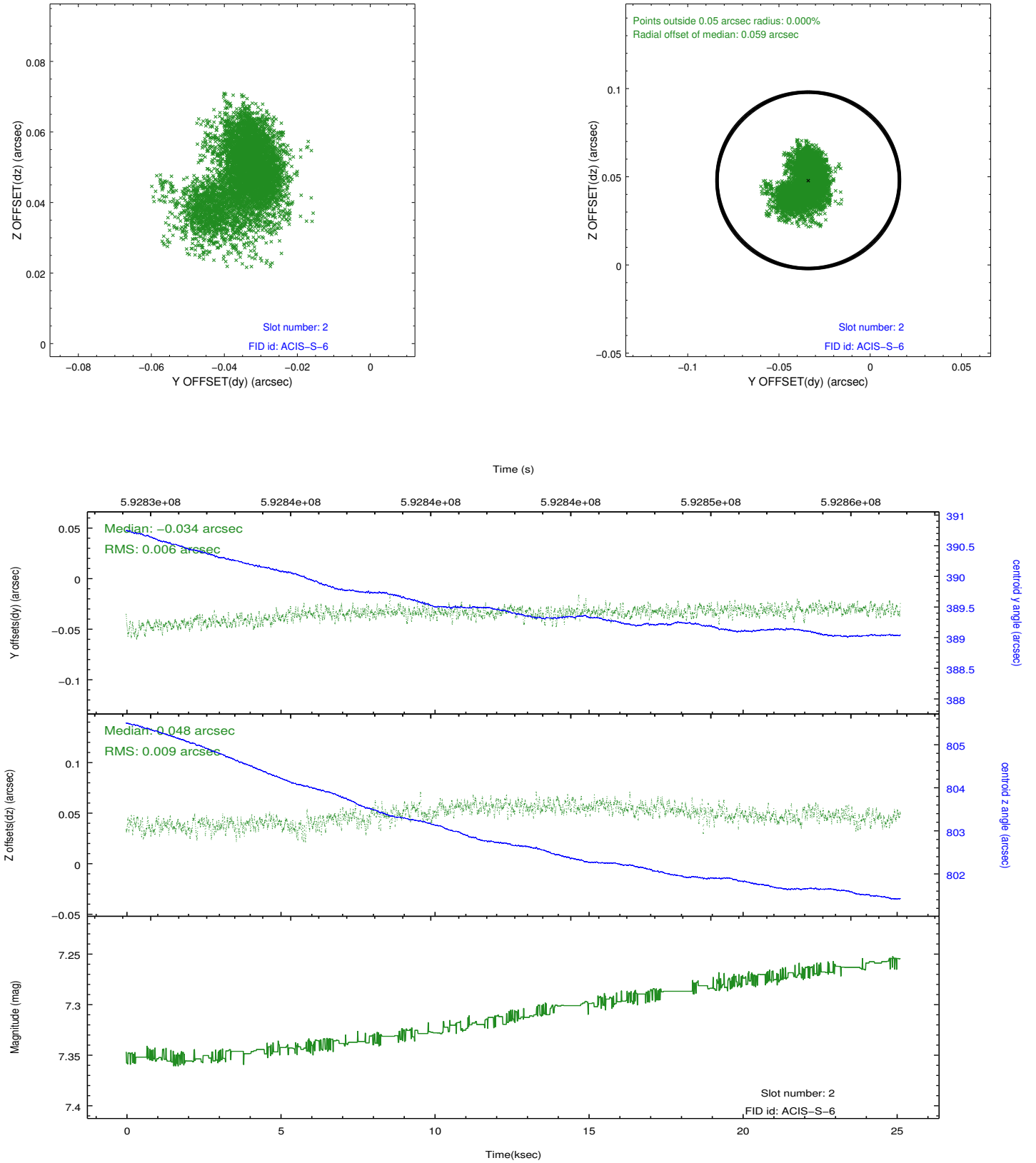
2.5.1 Slot 0



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	25.069531143069

A.2 Comments

Observation coordinated with NuSTAR.