

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18057 - L2 Version 1
Chandra X-Ray Center

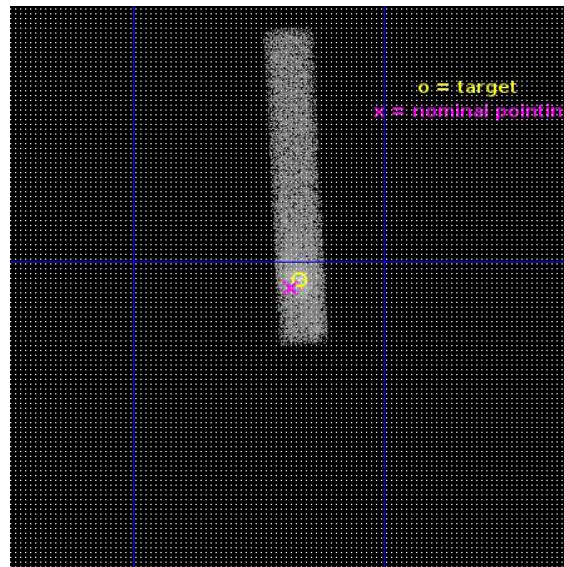
L2 Processing Date : Oct 9 2016

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1 Front

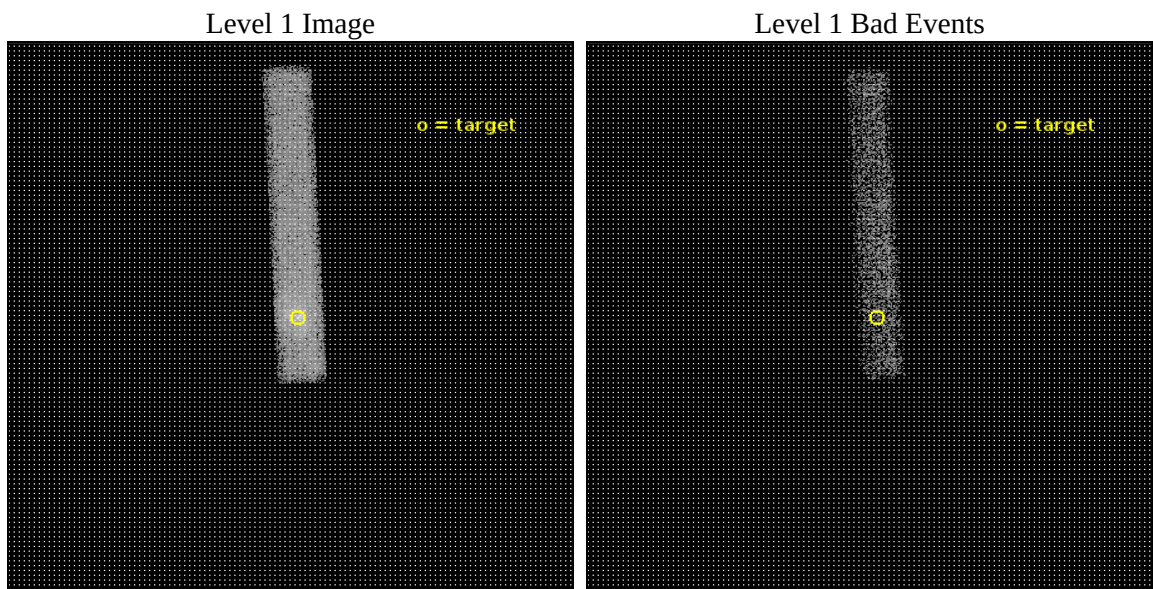
seq_num	601239	Sequence number
obs_id	18057	Observation id
title	Chandra Monitoring of Magnetar SGR J1745-2900, Sgr A* and Dusty Object G2	Proposal title
observer	Gordon Garmire	Principal investigator
object	SgrA*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007833	Observer's specified target Dec [deg]
ra_nom	266.42091798199	Nominal RA [deg]
dec_nom	-29.011674298013	Nominal Dec [deg]
roll_nom	267.15869625896	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25068.398505688	Sum of GTIs [s]
livetime	22735.714226091	Livetime [s]
ontime7	25068.398505688	Sum of GTIs [s]
l2events	26605	Number of level 2 events



2 OBI

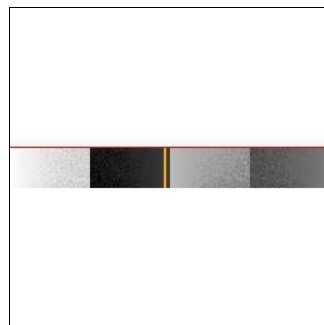
2.1 OBI

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	25068.398505688	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	25068.398505688	Sum of GTIs [s]
date	2016-10-09T12:16:13	Date and time of file creation	l1events	42246	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

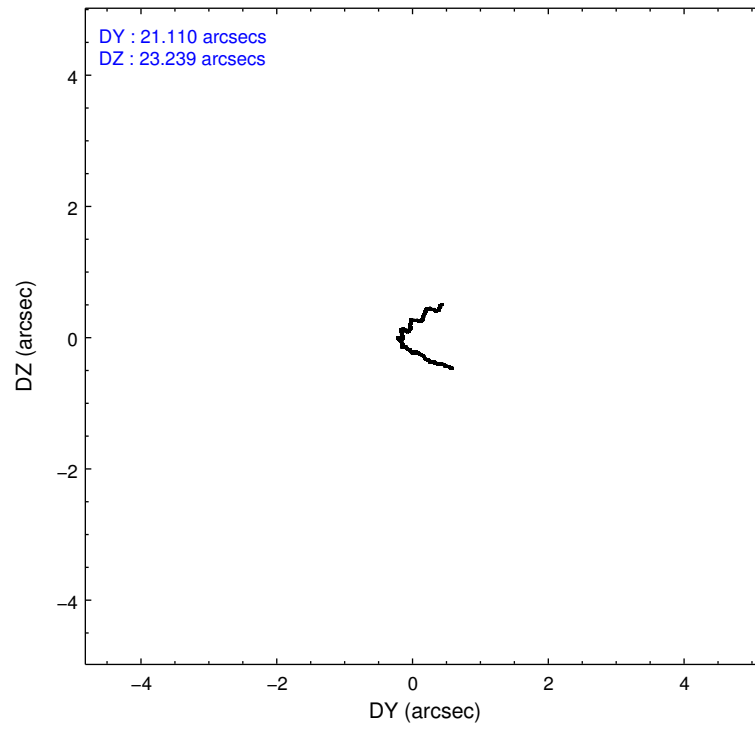
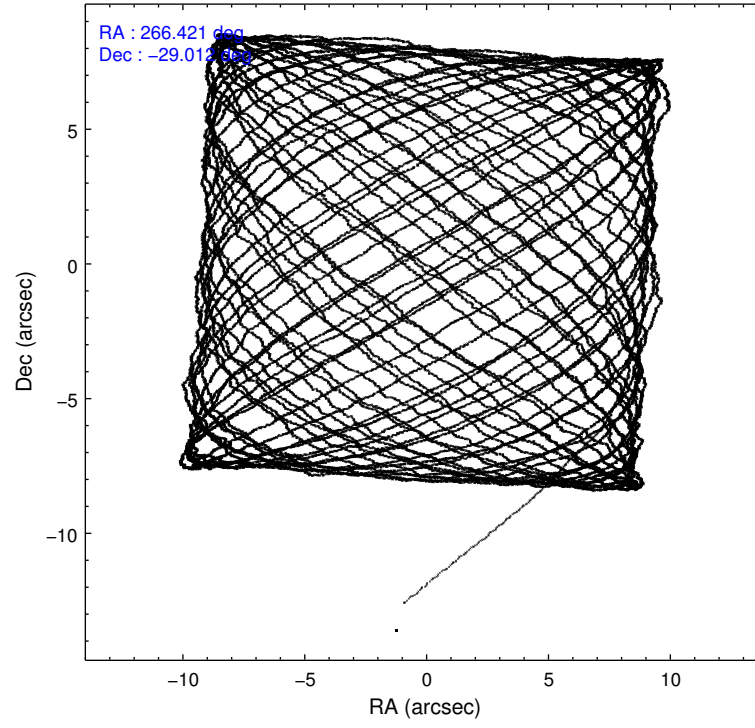
	ccd 7
level 1 events	42246
rejected events	14950
rejected %	35%

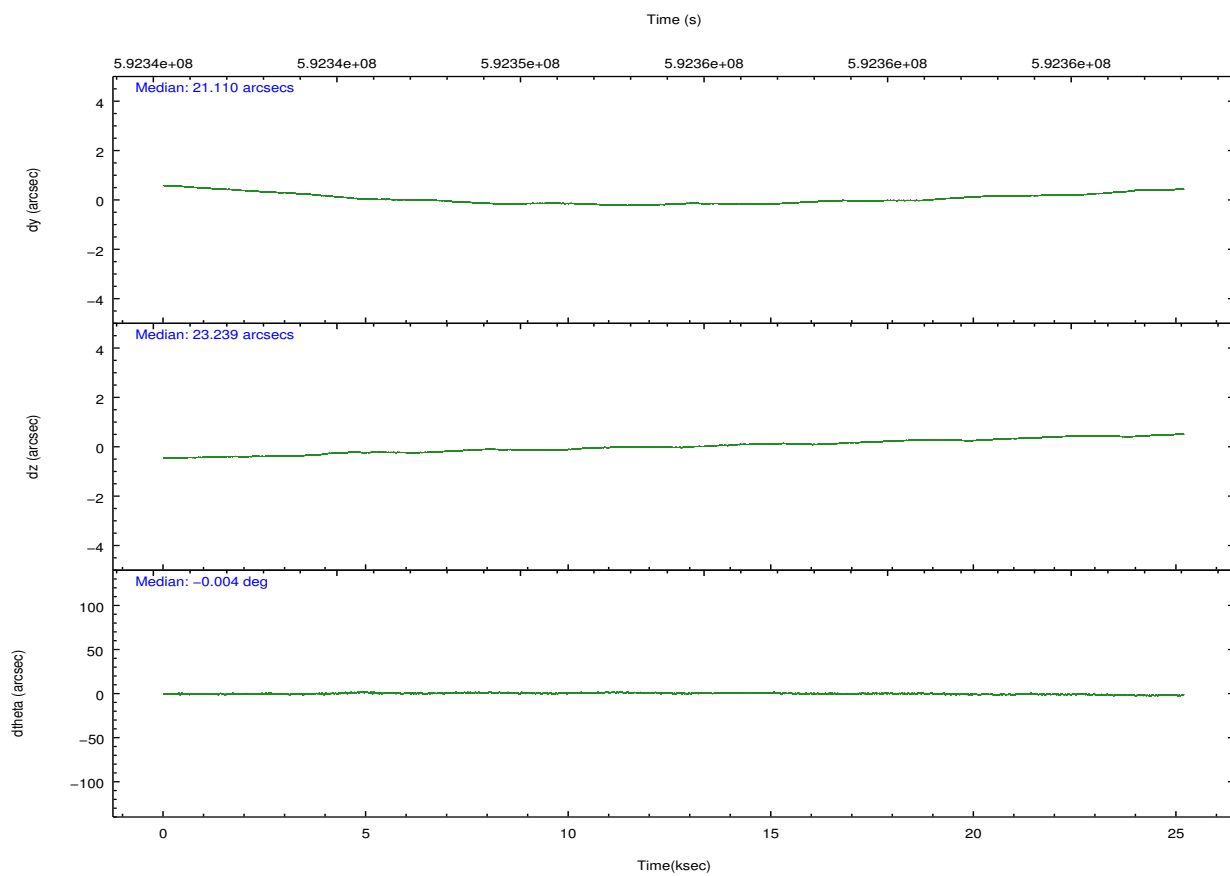
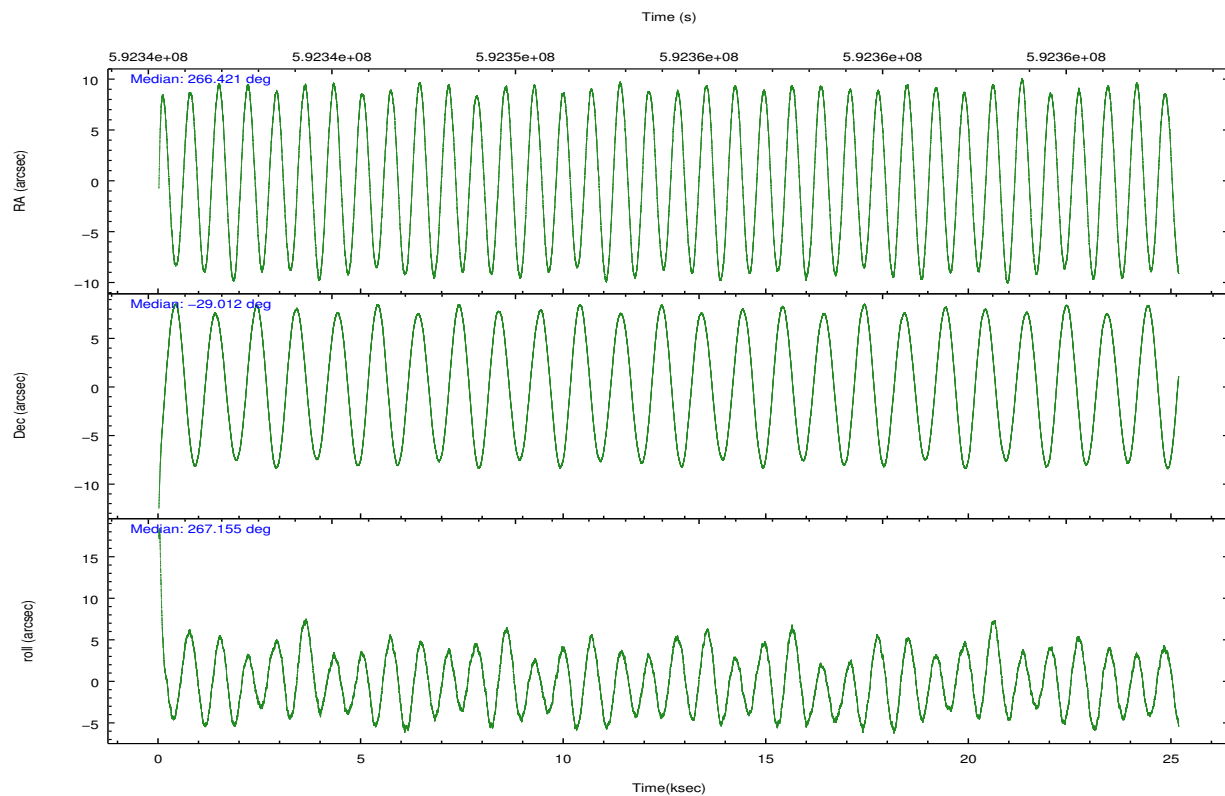
	ccd 7
grade 0 events	4101
	9%
grade 1 events	61
	0%
grade 2 events	5894
	13%
grade 3 events	3235
	7%
grade 4 events	3196
	7%
grade 5 events	2993
	7%
grade 6 events	10873
	25%
grade 7 events	11893
	28%

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	266.406221	266.4209179819918	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-28.987411	-29.01167429801295	Subarray start row	449	449
[deg] Pointing Roll	266.994930	267.1586962589591	Subarray row count	128	128
[s] Window start time (MET)	590284868.184000	590284868.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	593568068.184000	593568068.184000	[s] Primary exposure time	0.000000	0.4
[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)	592341761.184000	592340832.2808599			
Observation start date	2016-10-08T19:21:33	2016-10-08T19:07:12			
[s] Observation end time (MET)	592366761.184000	592367939.43243			
Observation end date	2016-10-09T02:18:13	2016-10-09T02:38:59			
Read mode	TIMED	TIMED			

2.3 Aspect



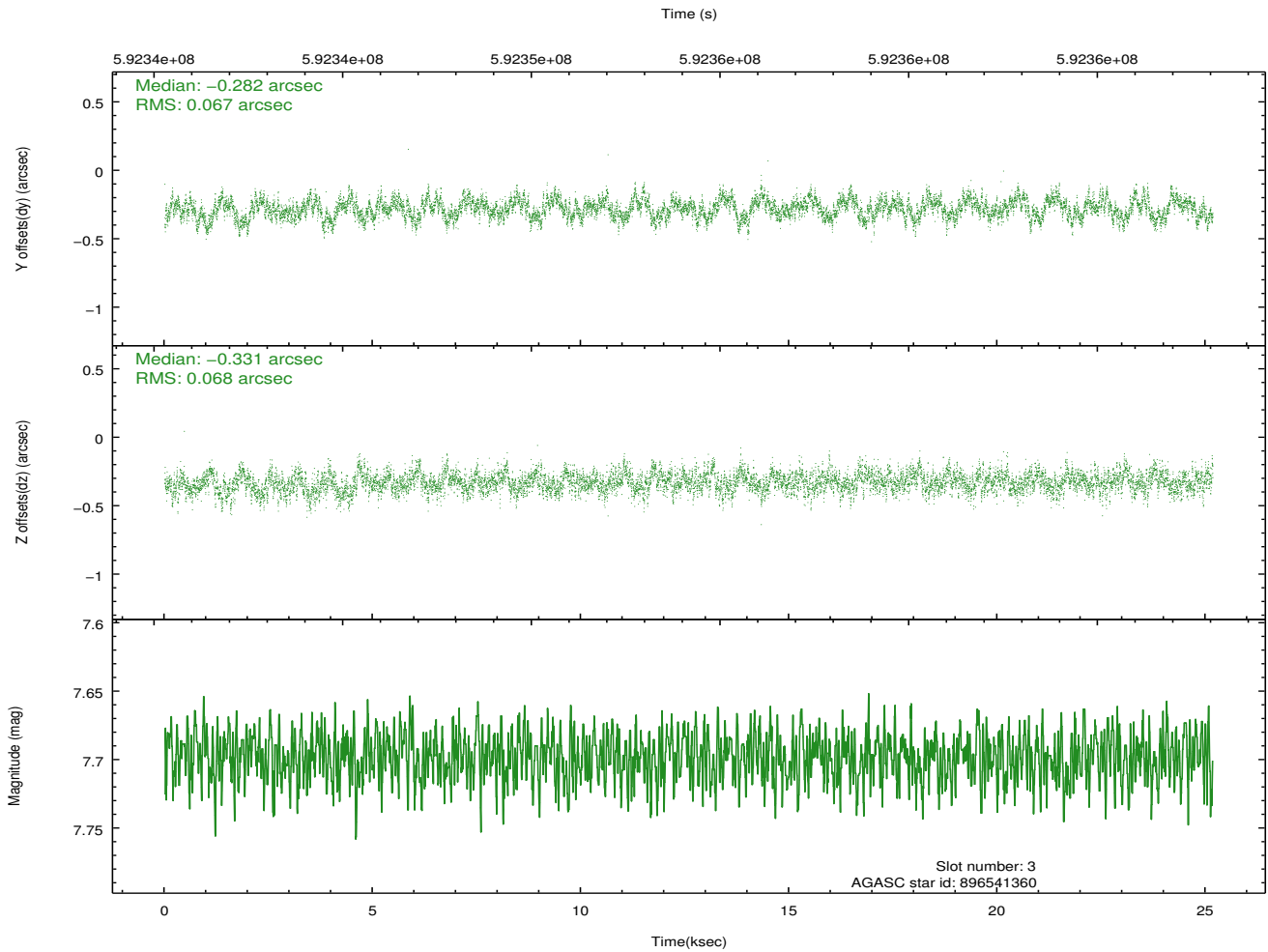
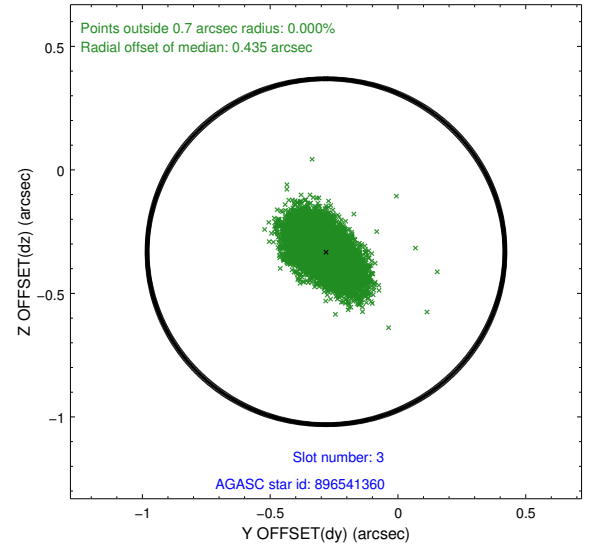
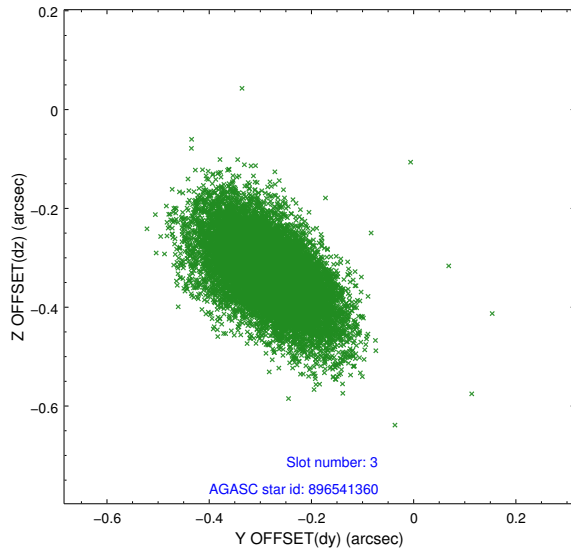


Slot Statistics

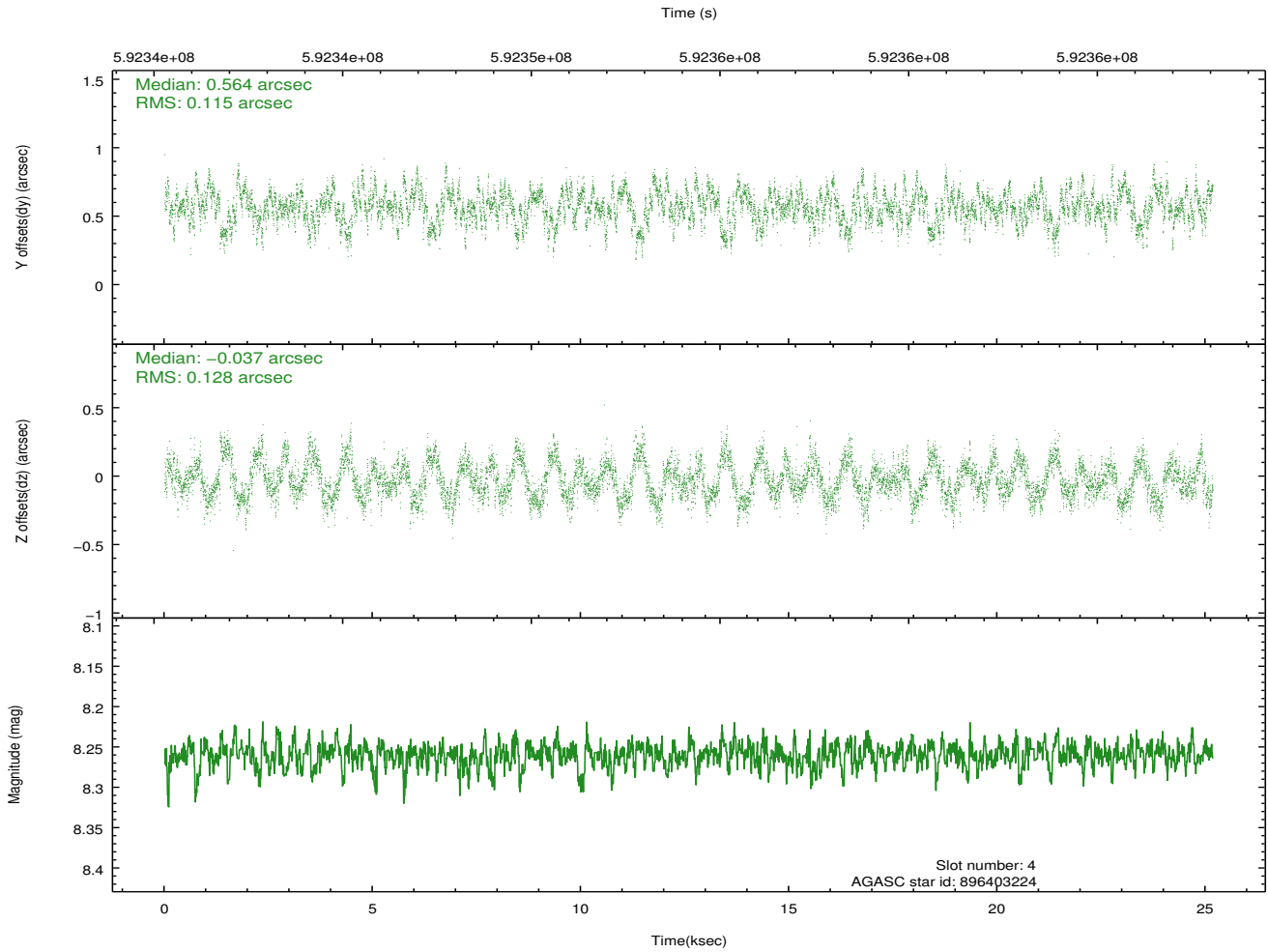
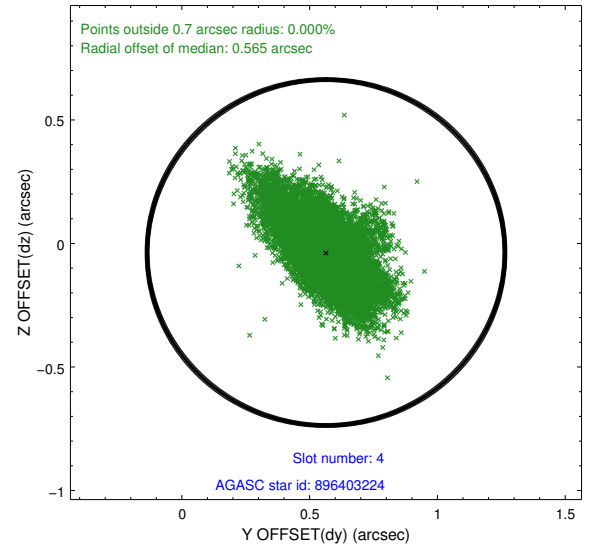
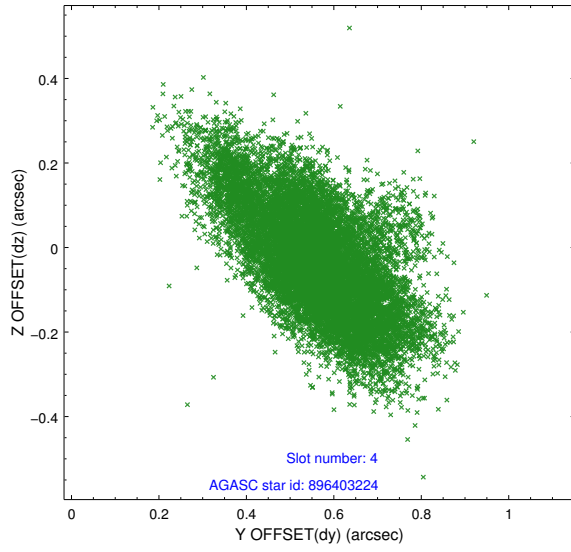
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.99	6139	-0.230	-0.140	0.014	0.022	0.000000	0.000000	-774.52	-1745.00
1	FID		ACIS-S-4	7.08	6139	0.475	0.149	0.009	0.022	0.000000	0.000000	2139.39	163.67
2	FID		ACIS-S-5	7.10	6140	-0.276	-0.000	0.013	0.029	0.000000	0.000000	-1827.28	157.29
3	GUIDE	used	896541360	7.70	12276	-0.282	-0.331	0.099	0.173	266.684478	-29.453744	1631.77	959.02
4	GUIDE	used	896403224	8.26	12271	0.564	-0.037	0.179	0.309	265.612825	-29.438915	1763.54	-2398.00
5	GUIDE	used	896404568	7.85	12271	0.168	0.278	0.118	0.188	265.687293	-28.431080	-1873.18	-2377.49
6	GUIDE	used	896538696	6.81	12278	-0.142	0.277	0.088	0.144	266.298470	-28.325572	-2361.25	-465.85
7	GUIDE	used	896537776	7.53	12272	-0.306	-0.193	0.093	0.152	266.655684	-29.665673	2398.08	907.42

2.4 Star Slots

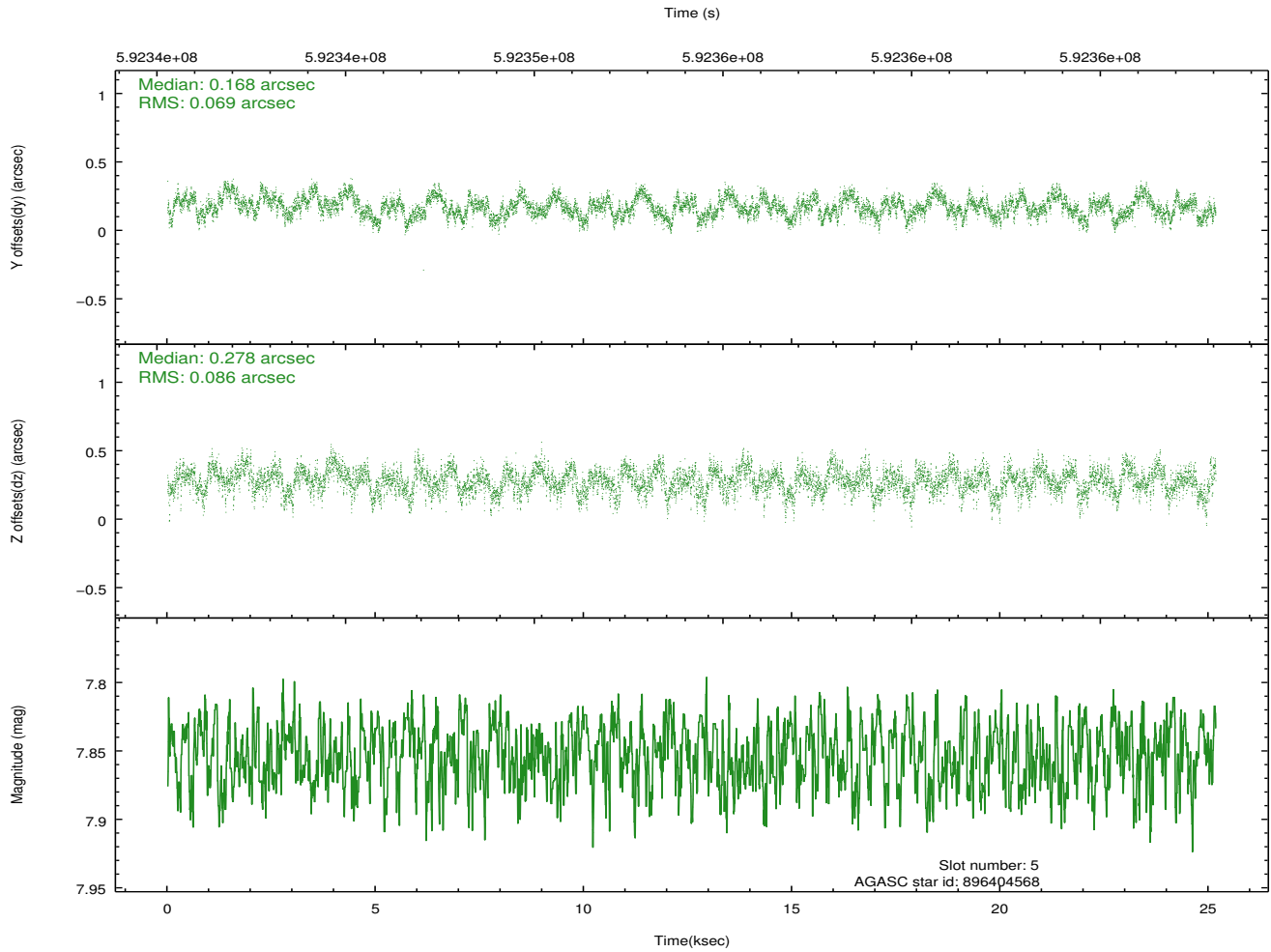
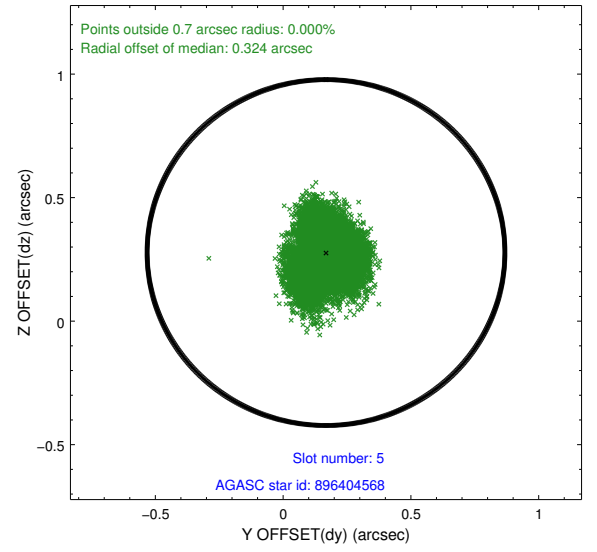
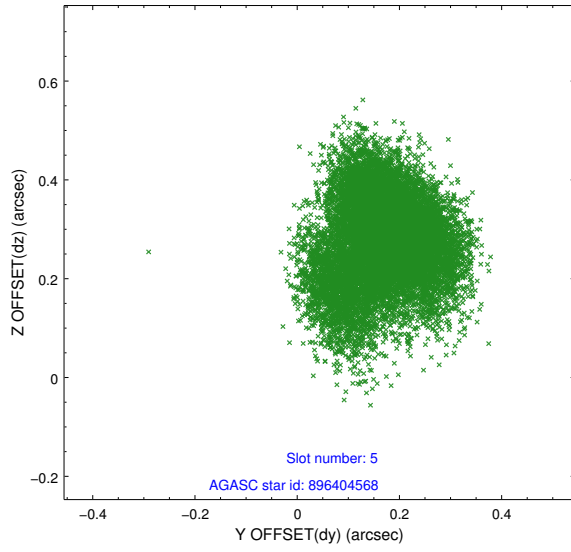
2.4.1 Slot 3



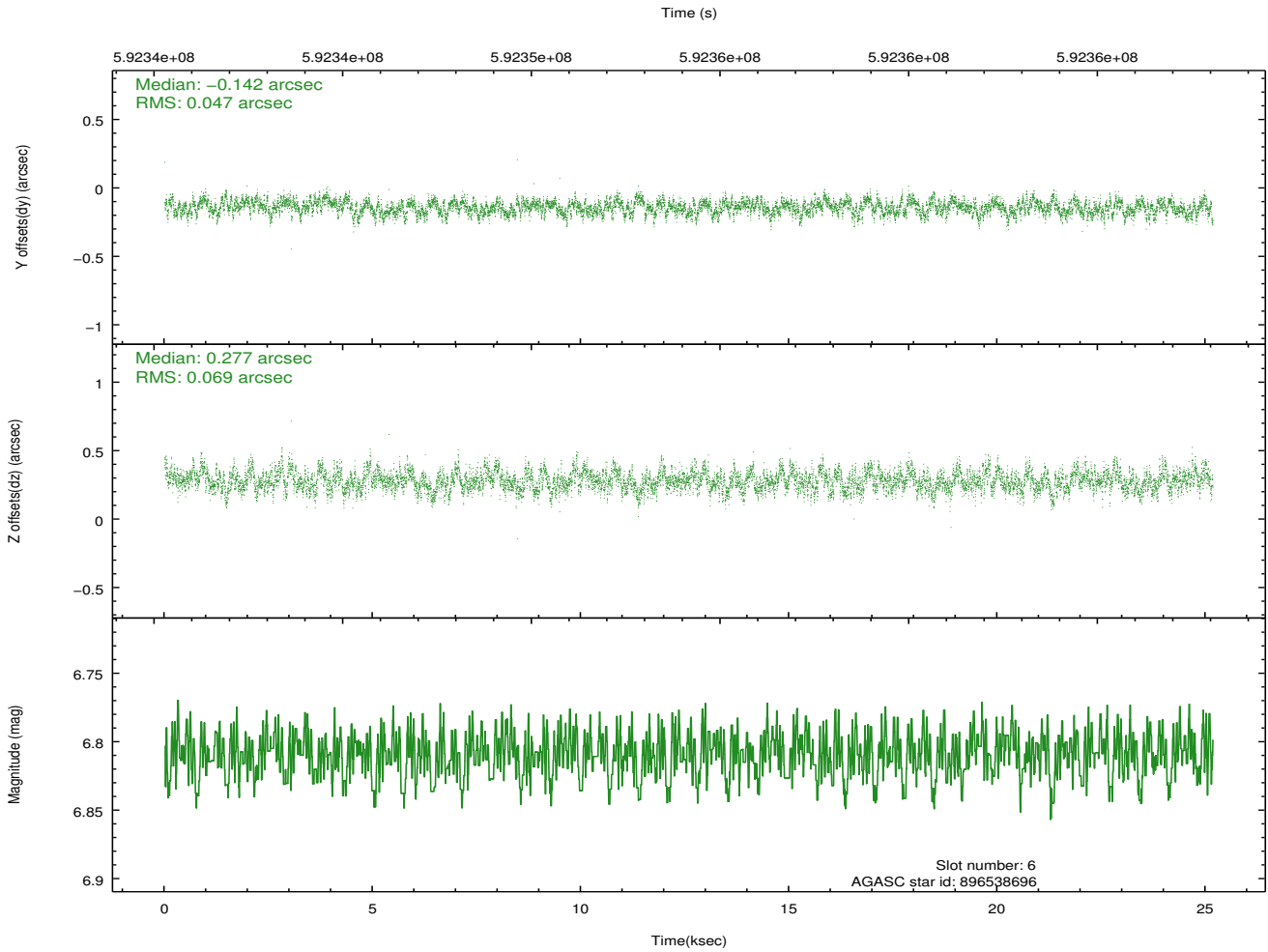
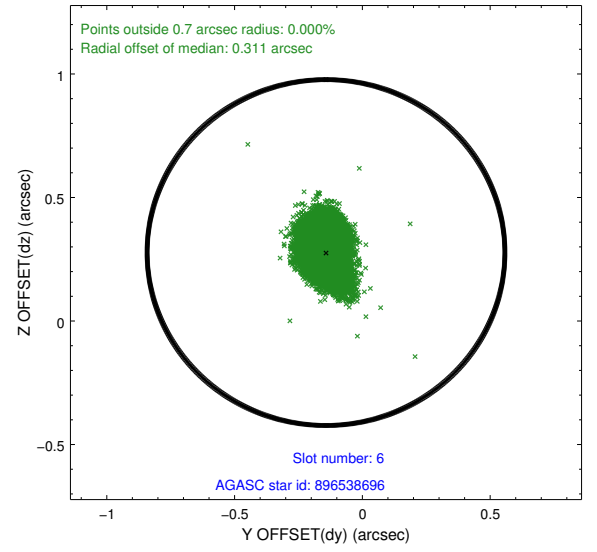
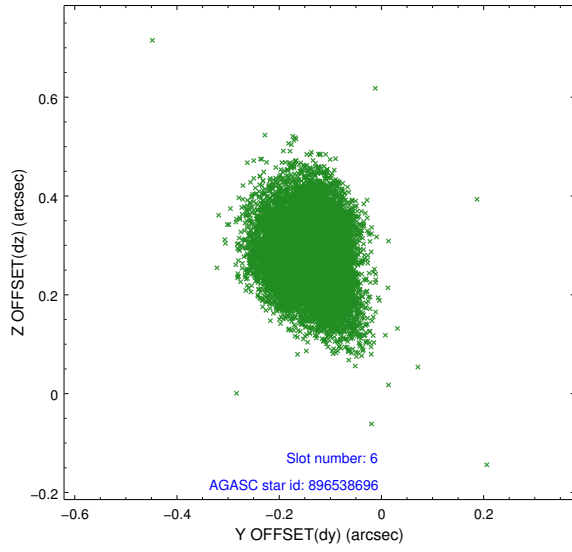
2.4.2 Slot 4



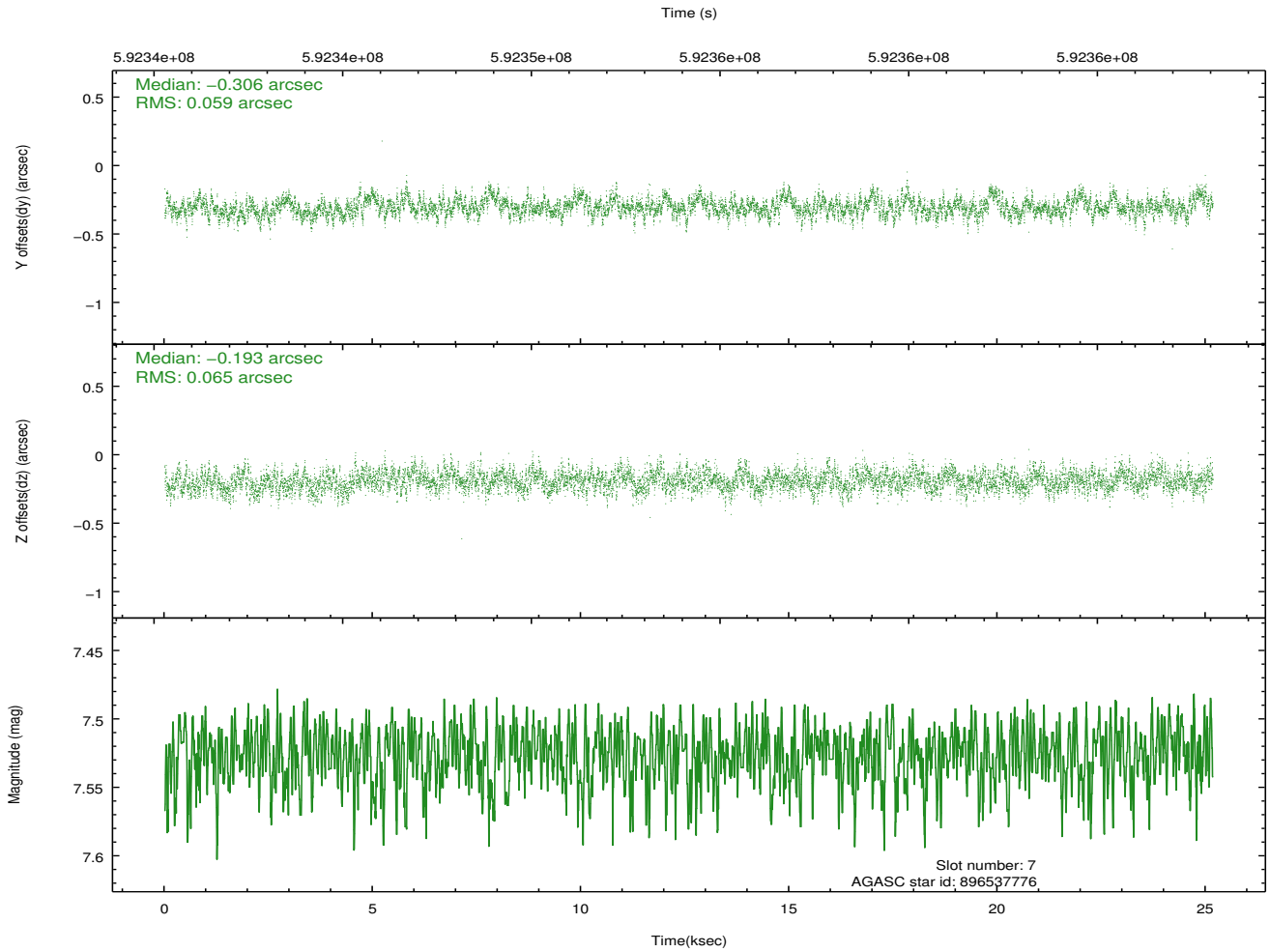
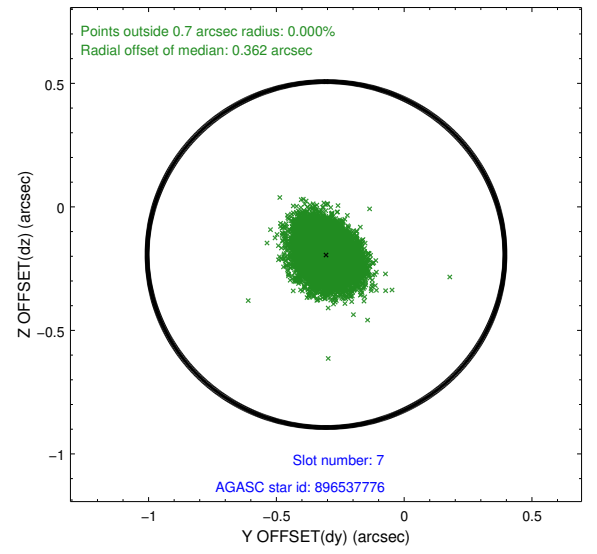
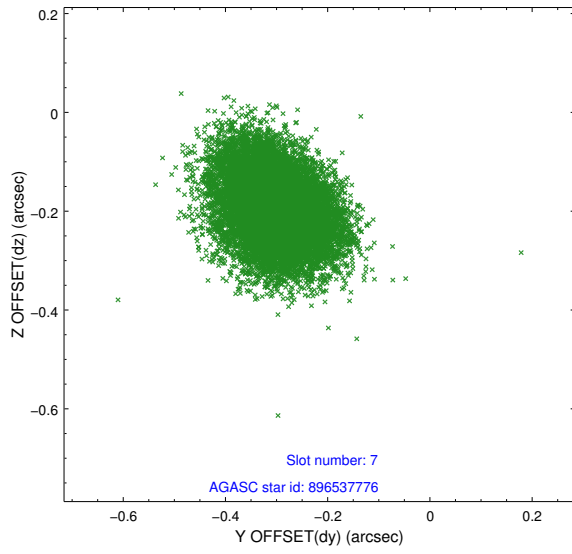
2.4.3 Slot 5



2.4.4 Slot 6

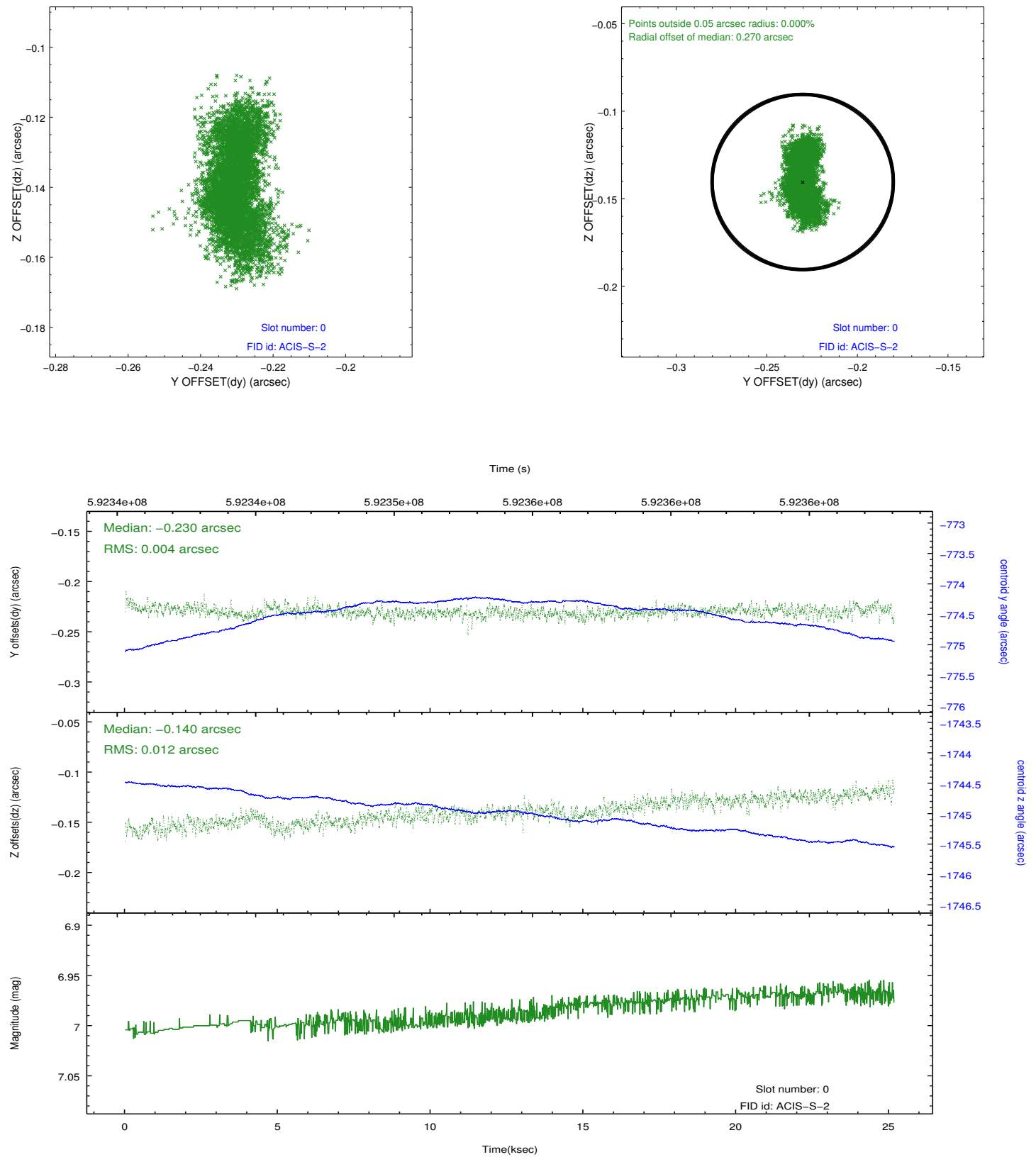


2.4.5 Slot 7

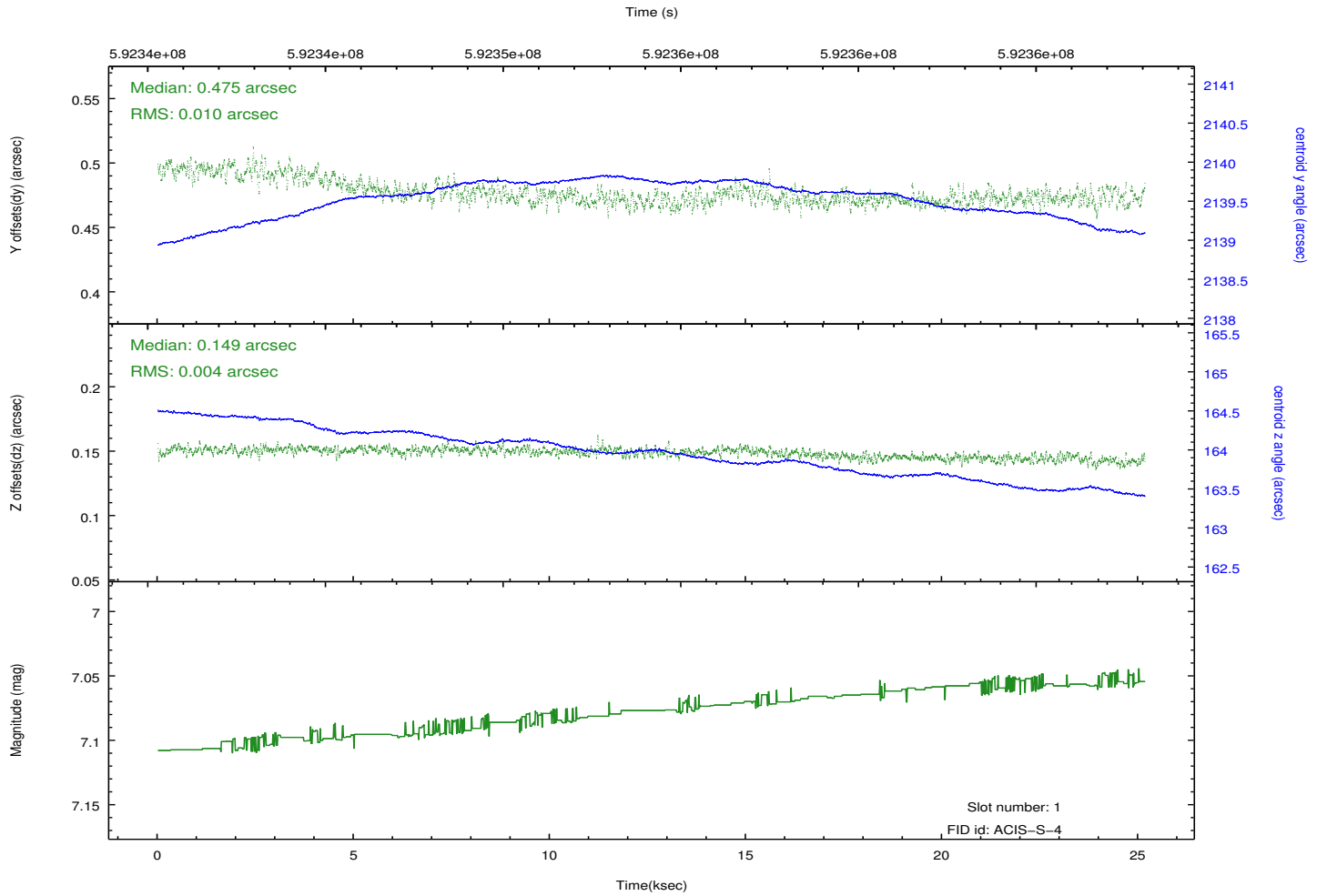
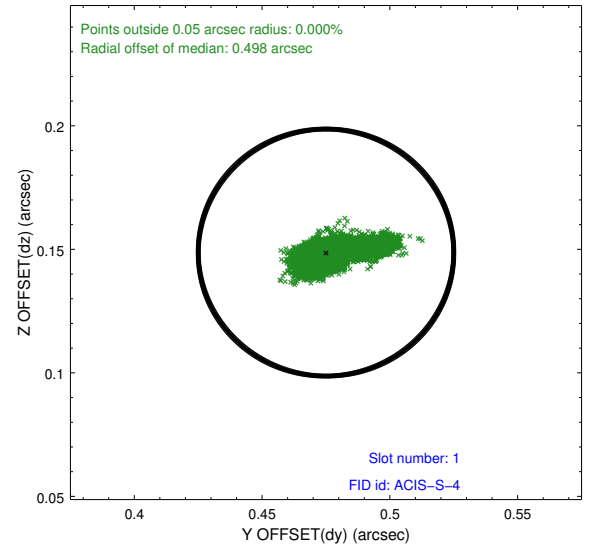
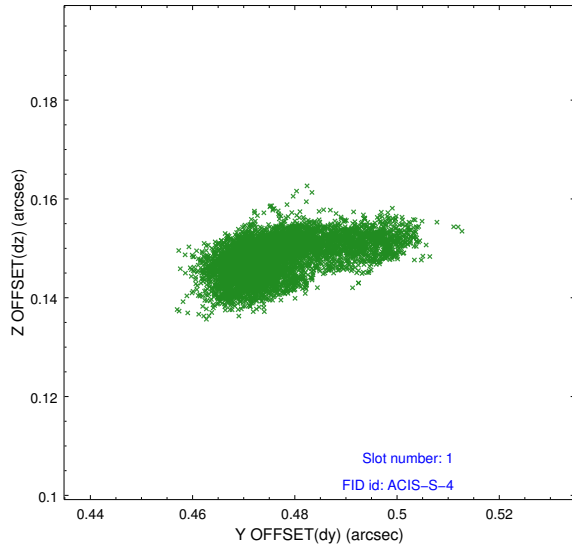


2.5 FID Slots

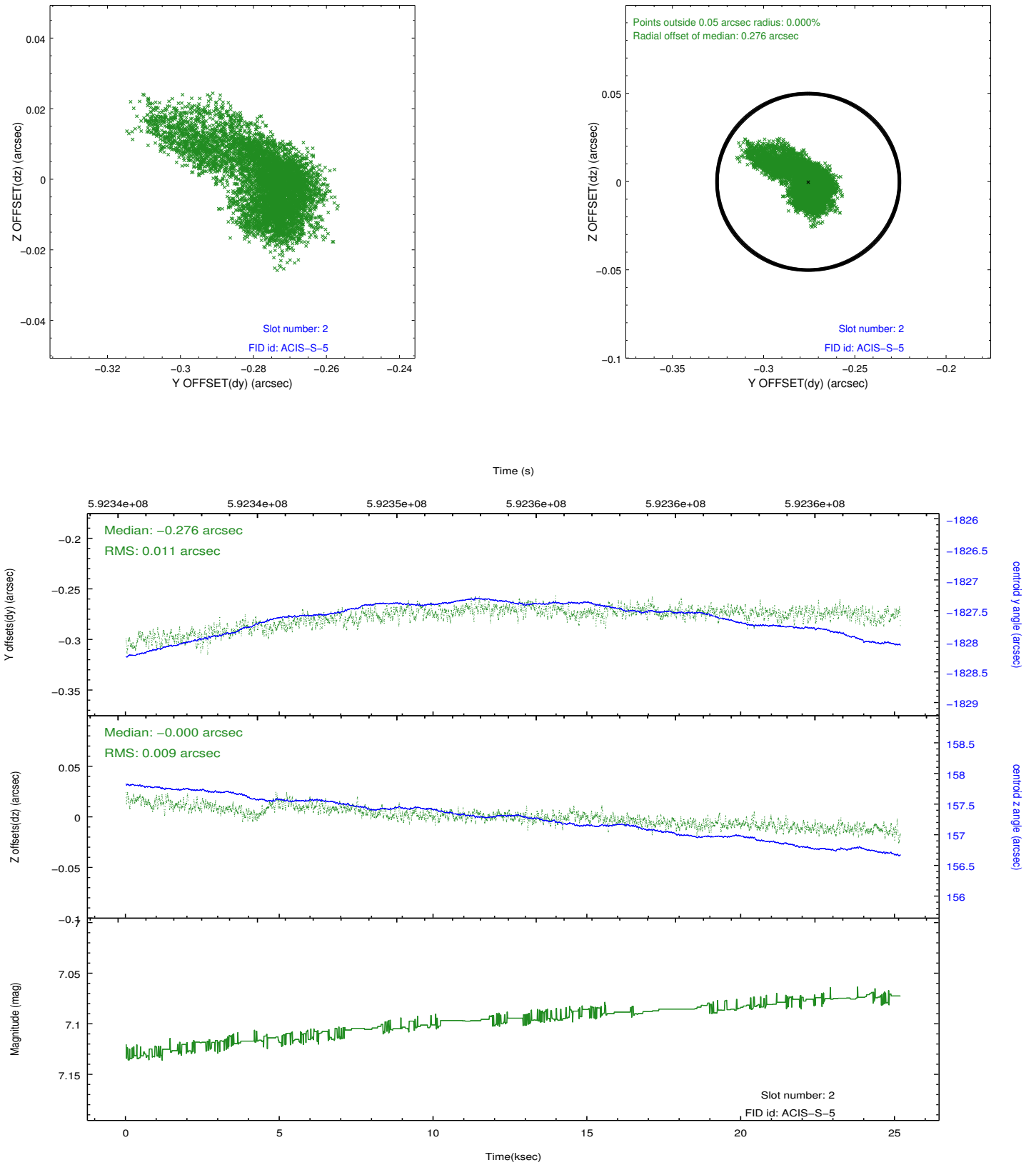
2.5.1 Slot 0



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	25.068398505688

A.2 Comments

Window constraint met.