

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18143 - L2 Version 1
Chandra X-Ray Center

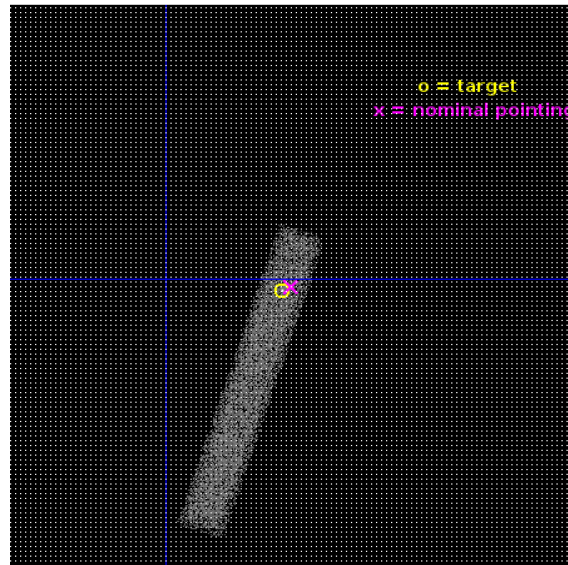
L2 Processing Date : Dec 27 2016

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1 Front

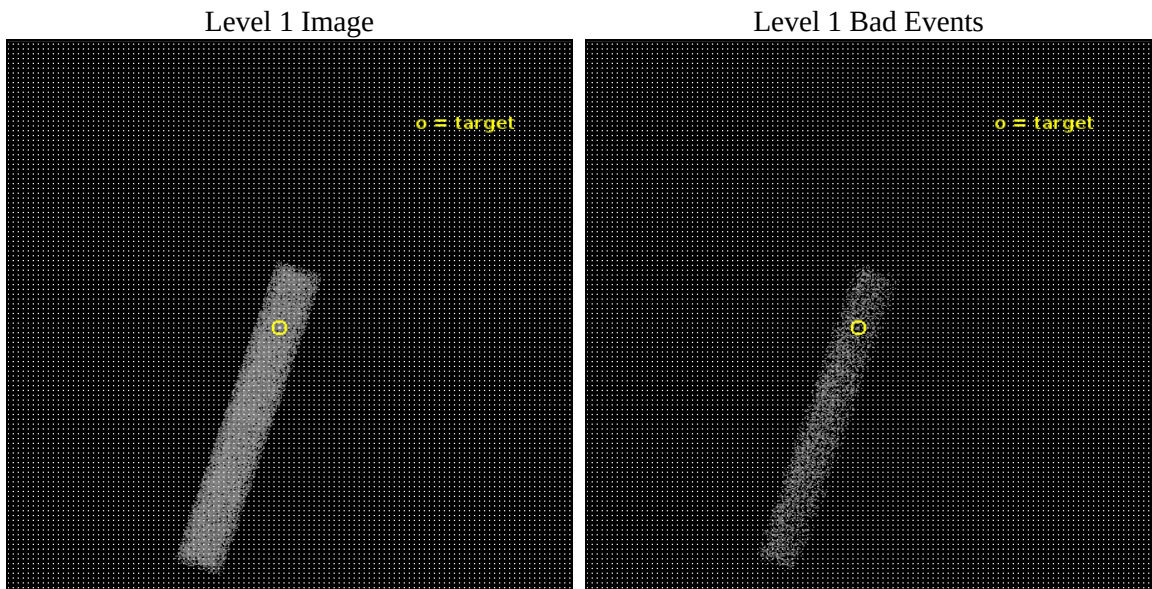
seq_num	703209	Sequence number
obs_id	18143	Observation id
title	Studying Dual AGN Activity and Obscuration in the Final Merger Stage (	Proposal title
observer	Dr Michael Koss	Principal investigator
object	2MASX J08434495+3549421	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.9375	Observer's specified target RA [deg]
dec_targ	35.828333	Observer's specified target Dec [deg]
ra_nom	130.9322538475	Nominal RA [deg]
dec_nom	35.829978051216	Nominal Dec [deg]
roll_nom	108.15969904529	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25069.598505616	Sum of GTIs [s]
livetime	22736.802562685	Livetime [s]
ontime7	25069.598505616	Sum of GTIs [s]
l2events	14519	Number of level 2 events



2 OBI

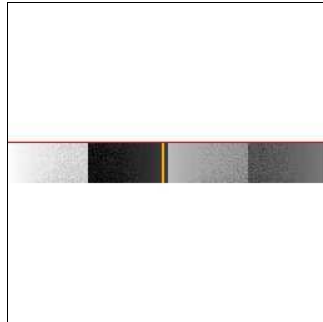
2.1 OBI

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	10.5.2	Processing system revision	ontime	25069.598505616	Sum of GTIs [s]
caldsver	4.7.3	 	ontime7	25069.598505616	Sum of GTIs [s]
date	2016-12-27T07:03:34	Date and time of file creation	l1events	29975	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

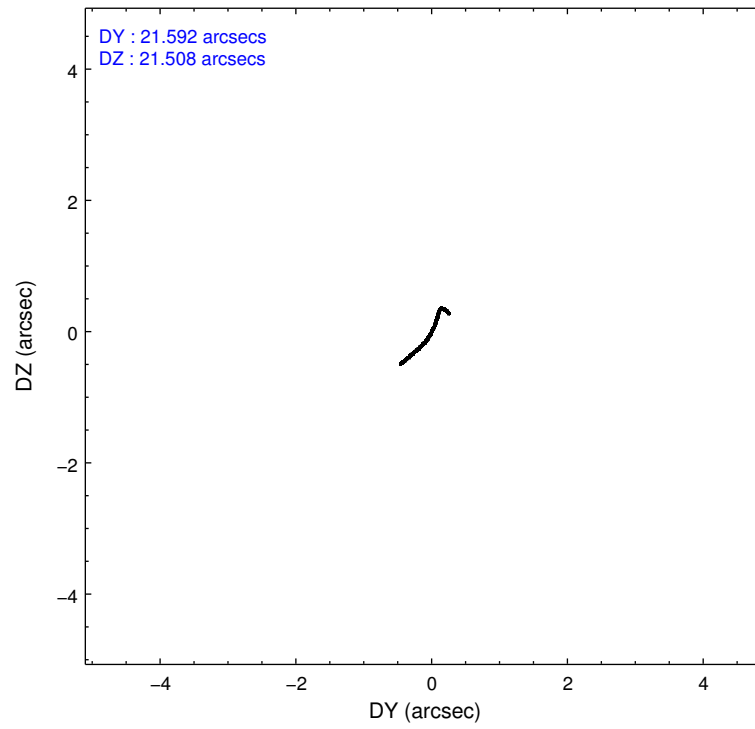
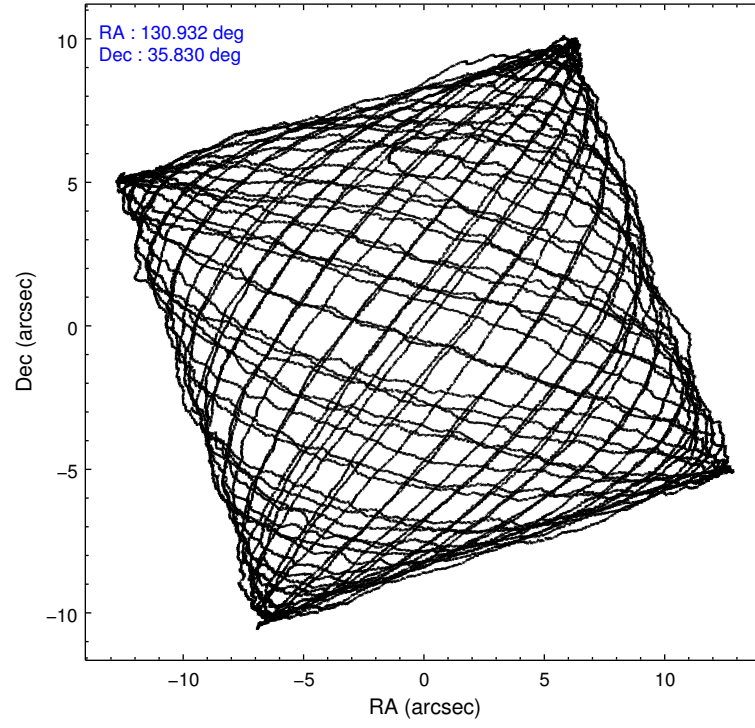
	ccd 7
level 1 events	29975
rejected events	14805
rejected %	49%

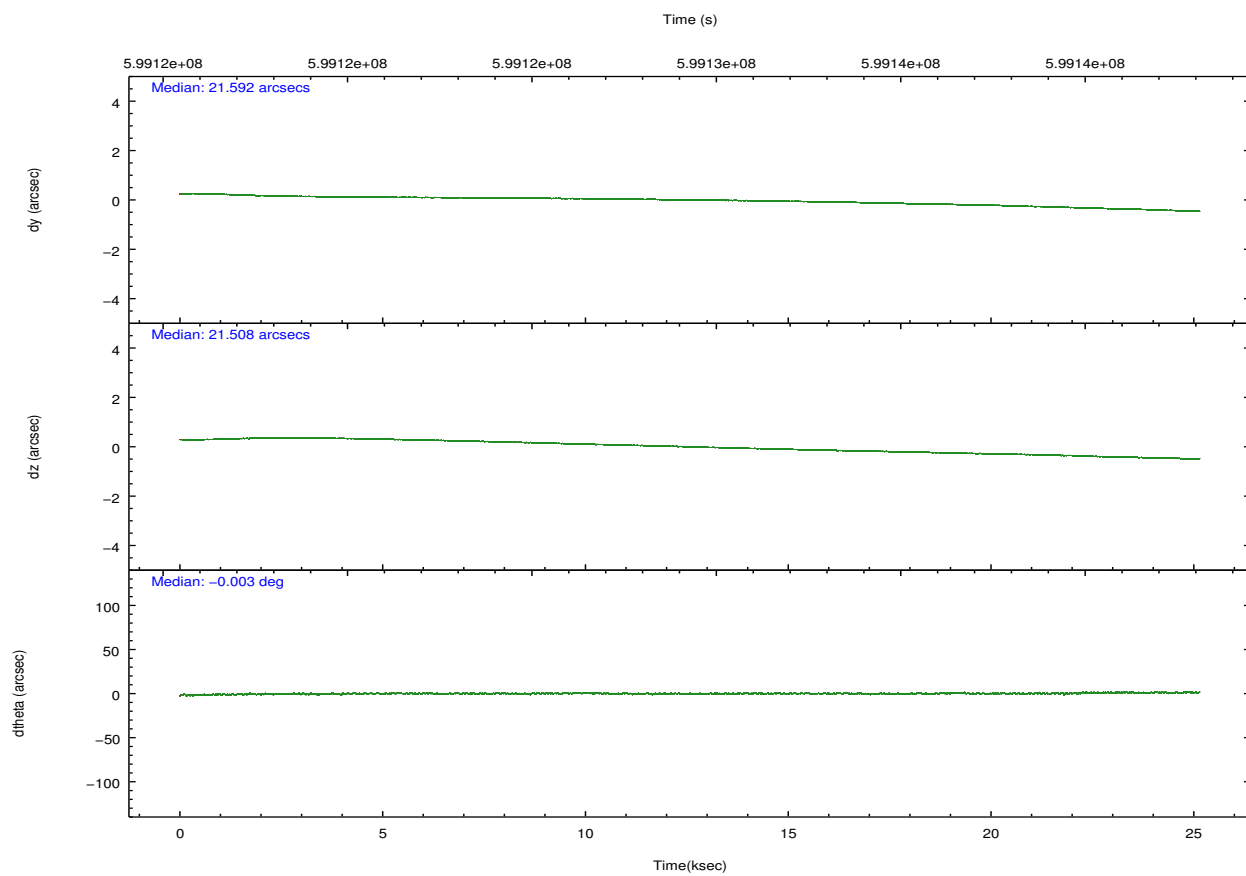
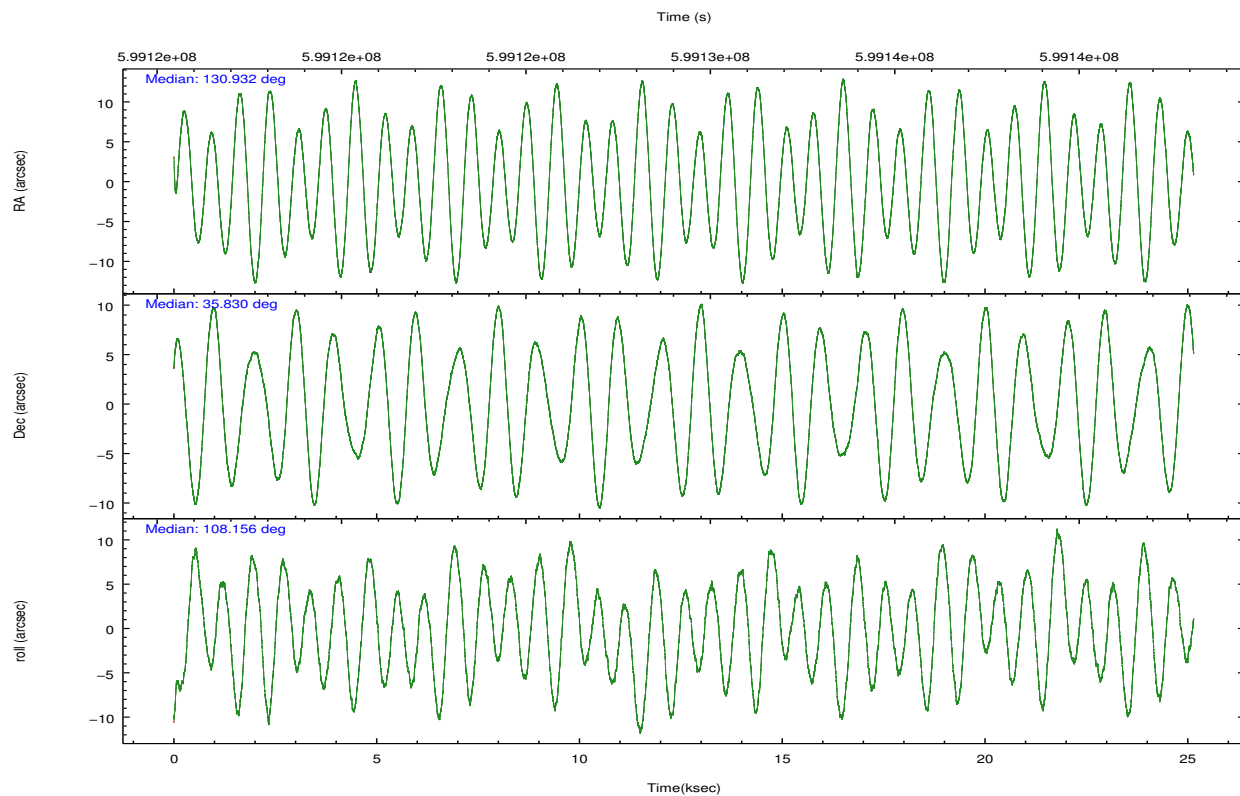
	ccd 7
grade 0 events	1607
	5%
grade 1 events	41
	0%
grade 2 events	2910
	9%
grade 3 events	1956
	6%
grade 4 events	1877
	6%
grade 5 events	2934
	9%
grade 6 events	6820
	22%
grade 7 events	11830
	39%

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	130.957744	130.9322538475044	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	35.811926	35.82997805121588	Subarray start row	449	449
[deg] Pointing Roll	107.988160	108.1596990452898	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	599116858.184000	599115580.93444			
Observation start date	2016-12-26T05:19:50	2016-12-26T04:59:40			
[s] Observation end time (MET)	599141858.184000	599142804.42352			
Observation end date	2016-12-26T12:16:30	2016-12-26T12:33:24			
Read mode	TIMED	TIMED			

2.3 Aspect



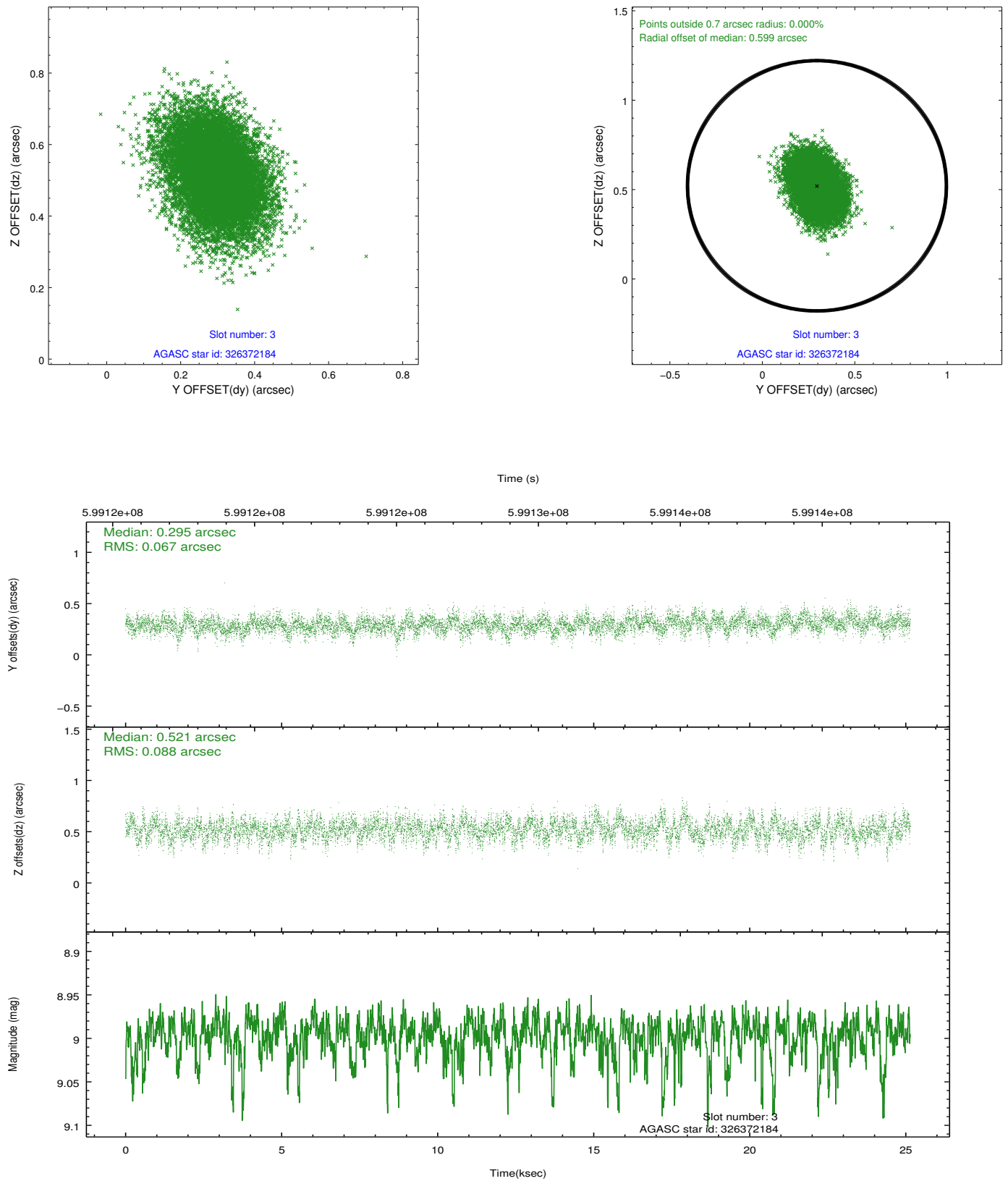


Slot Statistics

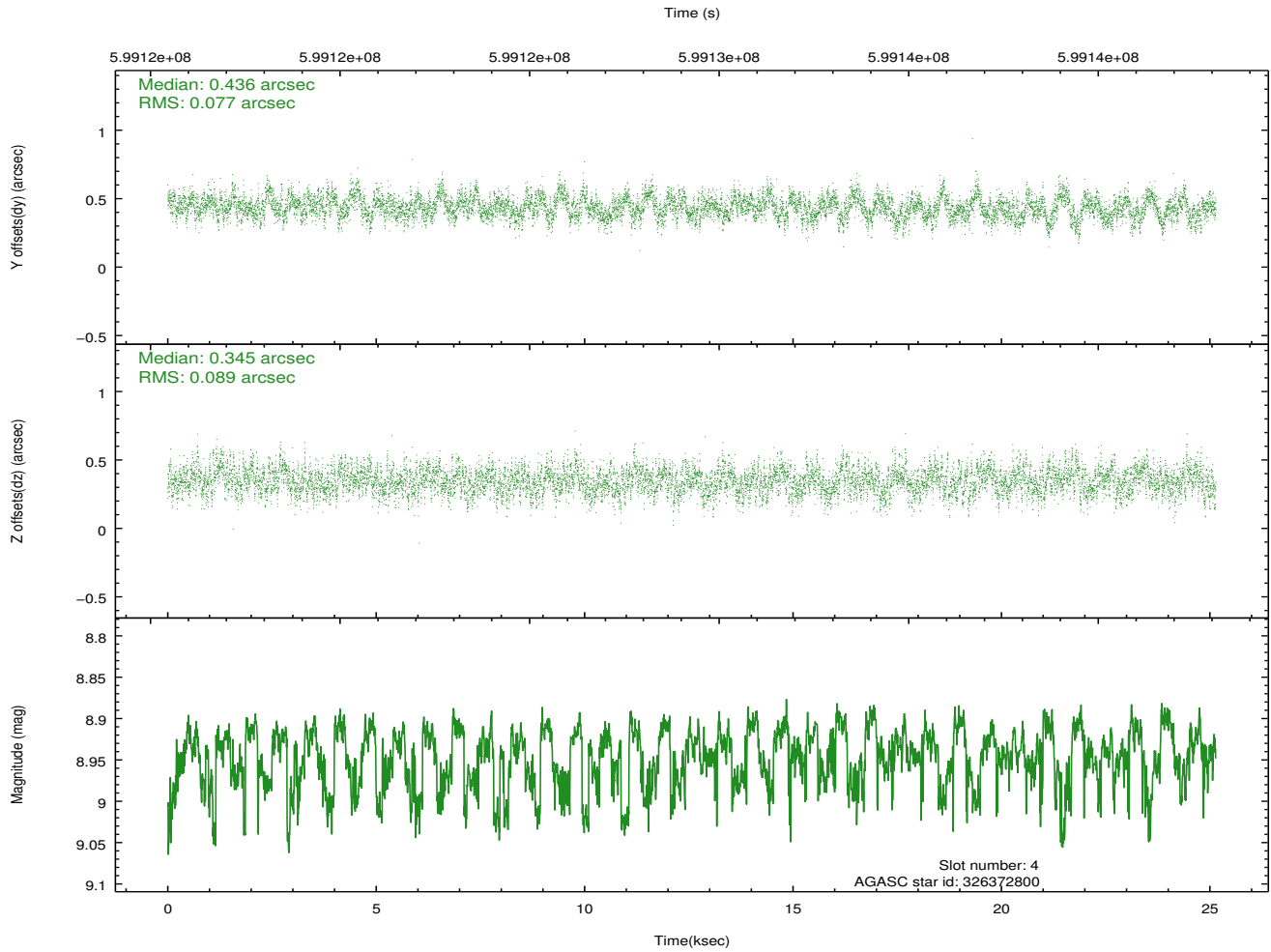
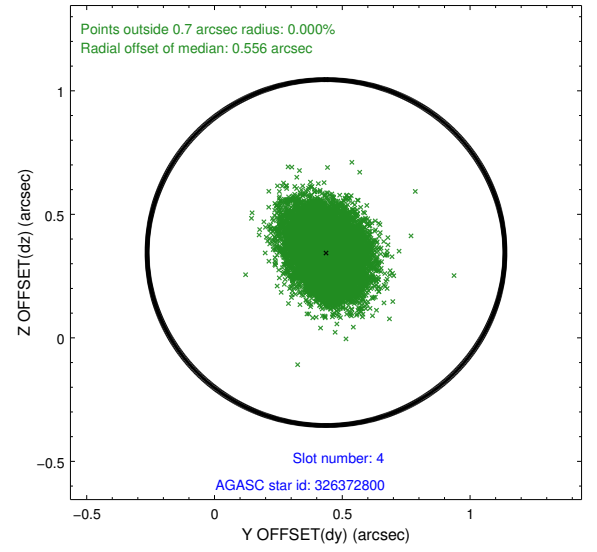
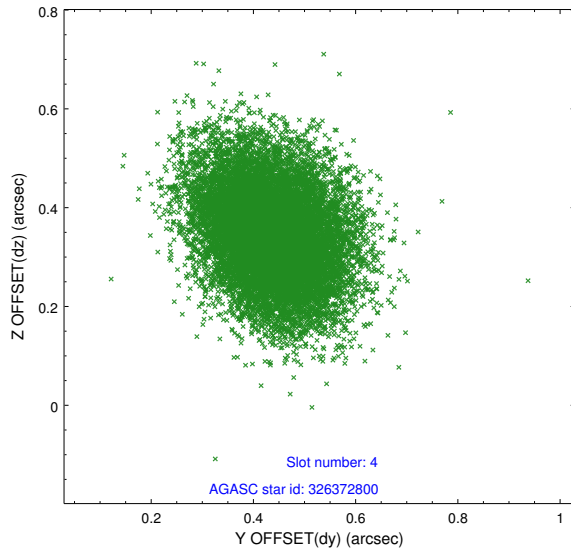
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.08	6134	-0.314	-0.222	0.007	0.012	0.000000	0.000000	-775.04	-1743.25
1	FID		ACIS-S-4	7.19	6134	0.339	0.173	0.009	0.014	0.000000	0.000000	2138.87	165.44
2	FID		ACIS-S-6	7.33	6134	-0.053	0.057	0.010	0.018	0.000000	0.000000	387.40	802.89
3	GUIDE	used	326372184	9.00	12262	0.295	0.521	0.117	0.194	131.420899	35.571288	-1239.36	-1022.71
4	GUIDE	used	326372800	8.94	12253	0.436	0.345	0.125	0.205	131.462360	35.854525	-304.86	-1448.03
5	GUIDE	used	326378048	7.60	12263	0.020	-0.026	0.091	0.155	130.883616	36.348232	1902.83	-391.61
6	GUIDE	used	326378568	8.25	12260	-0.611	-0.424	0.103	0.168	130.277846	36.185317	1894.62	1461.67
7	GUIDE	used	326379304	8.46	12253	-0.138	-0.417	0.109	0.178	130.301704	35.966005	1122.54	1645.90

2.4 Star Slots

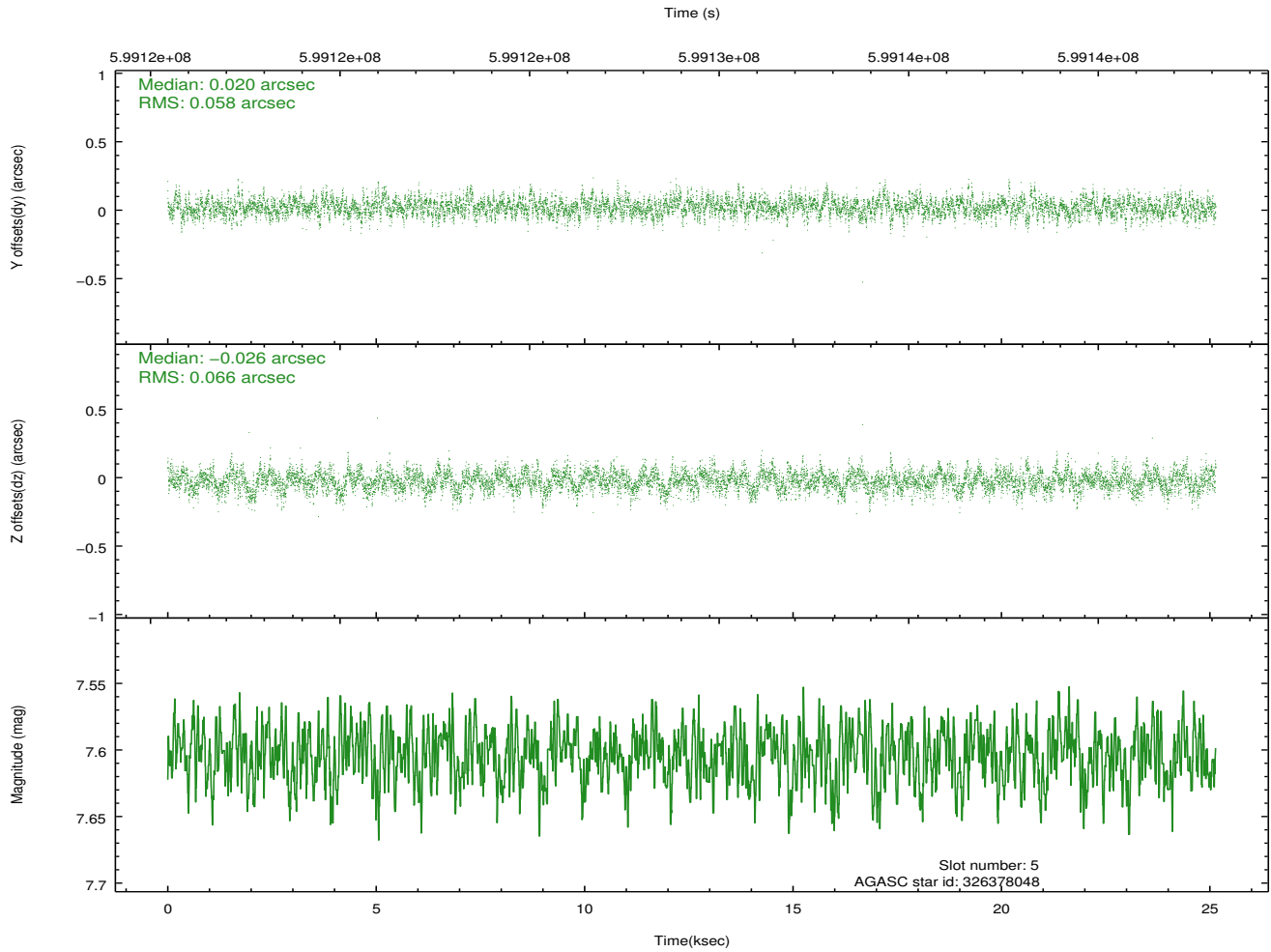
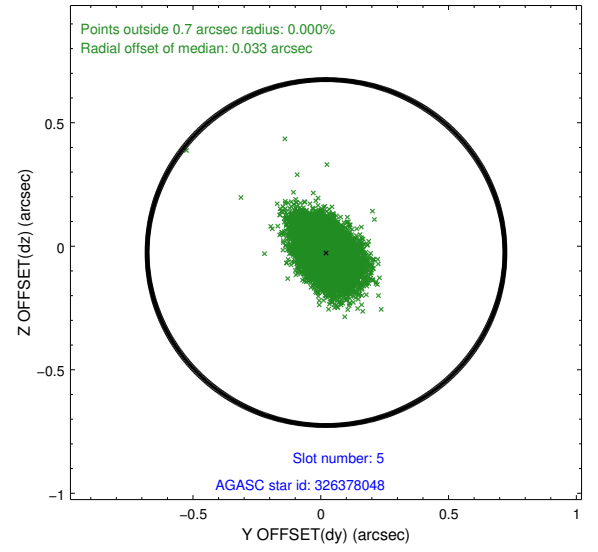
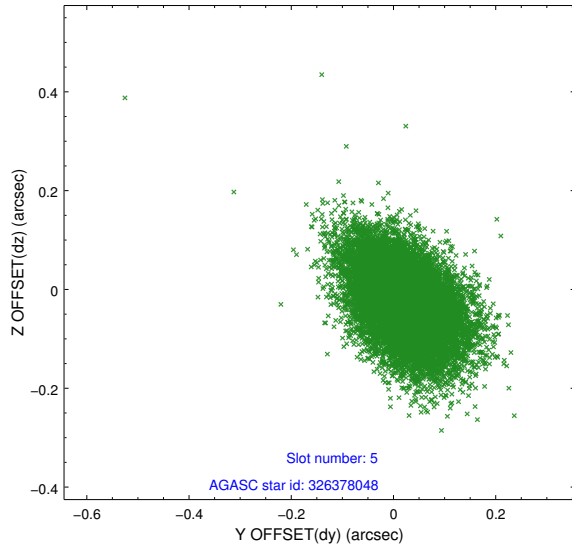
2.4.1 Slot 3



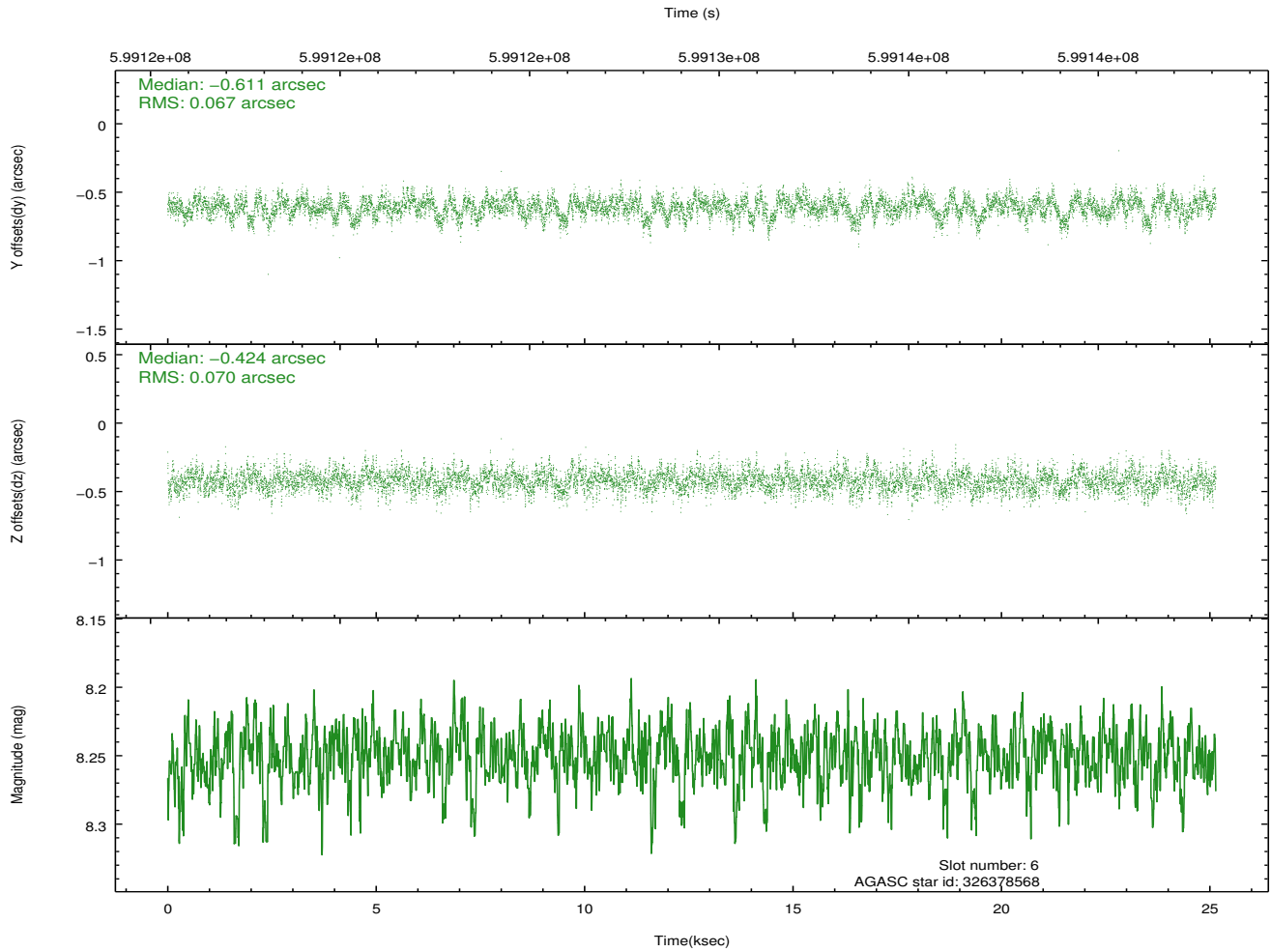
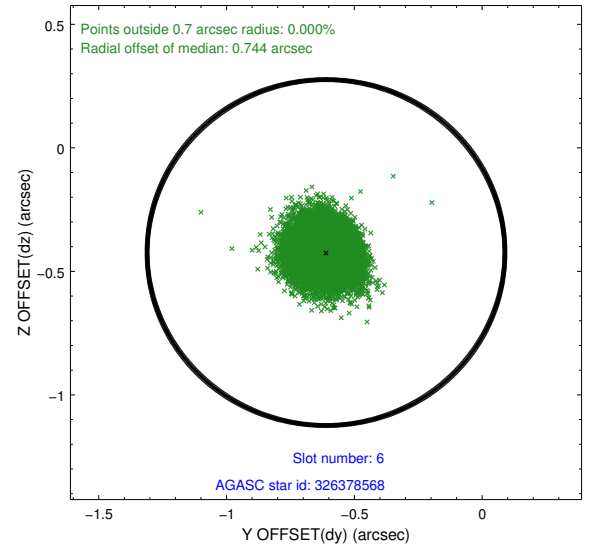
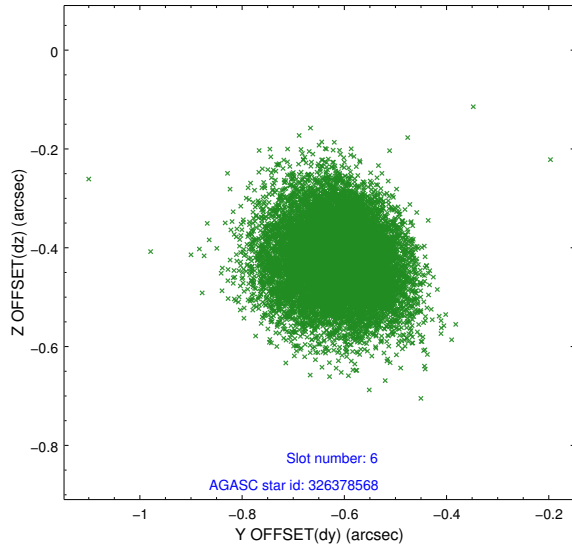
2.4.2 Slot 4



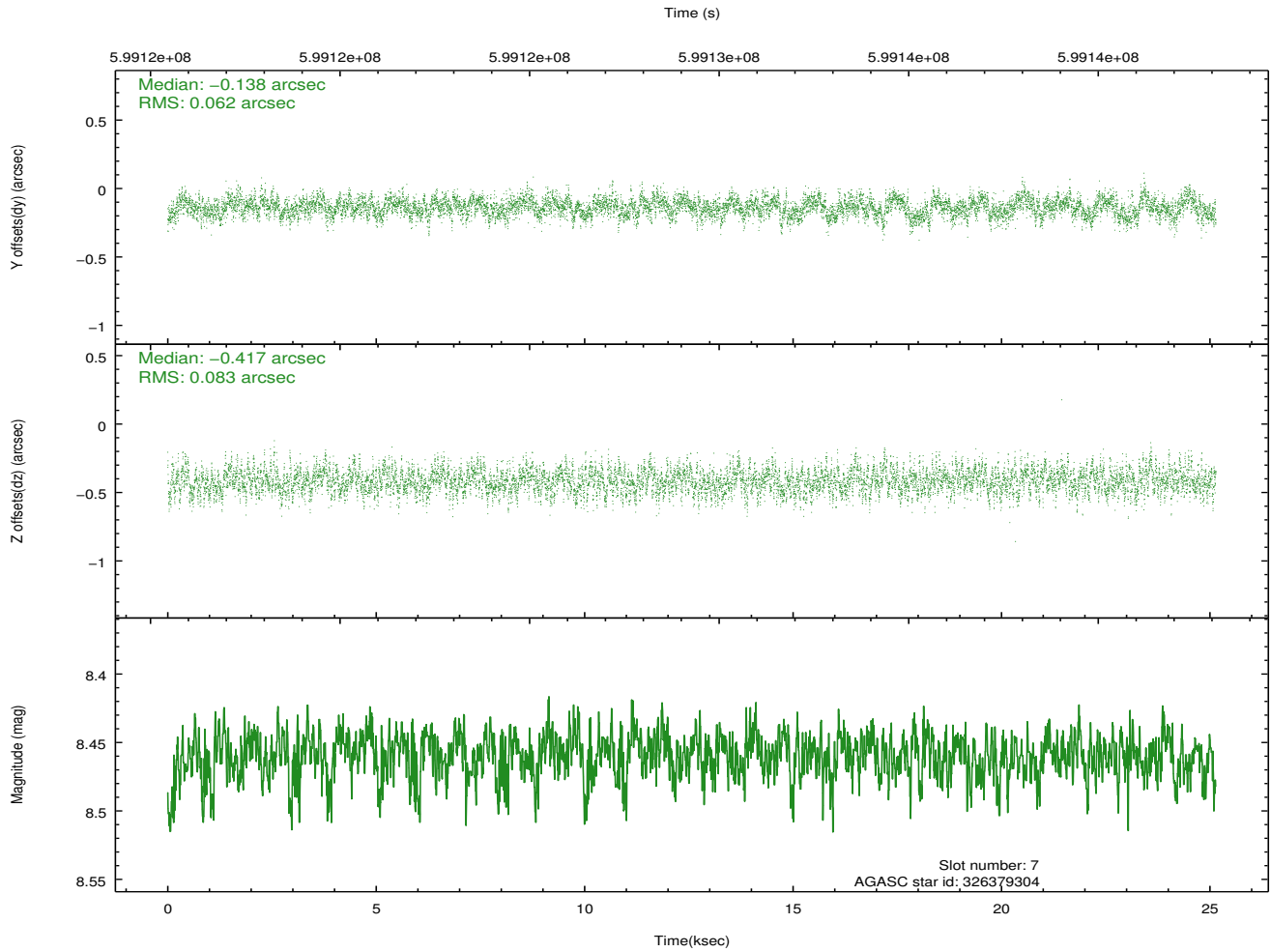
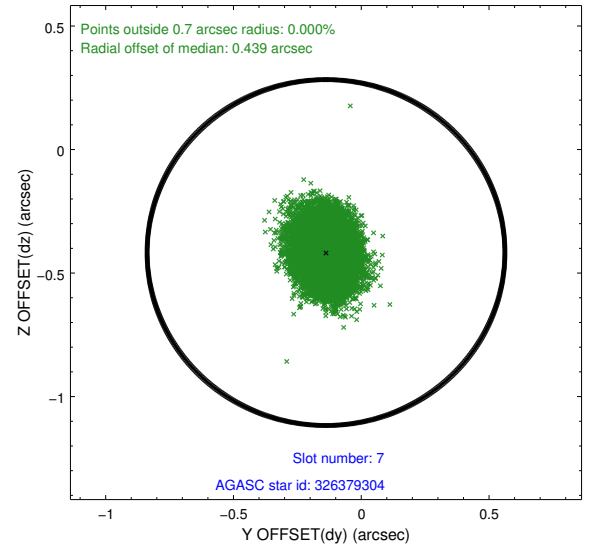
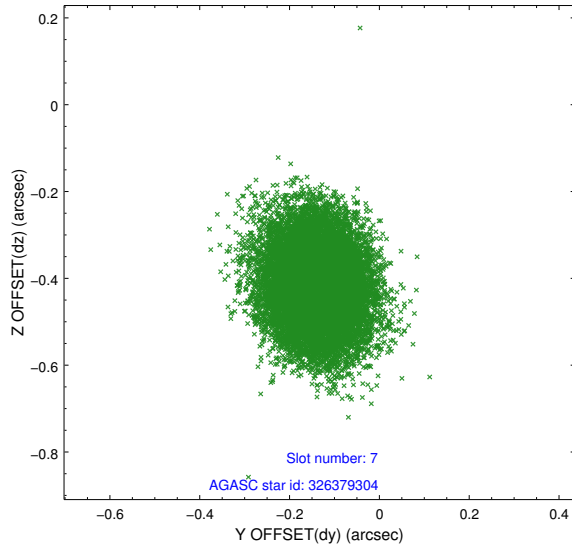
2.4.3 Slot 5



2.4.4 Slot 6

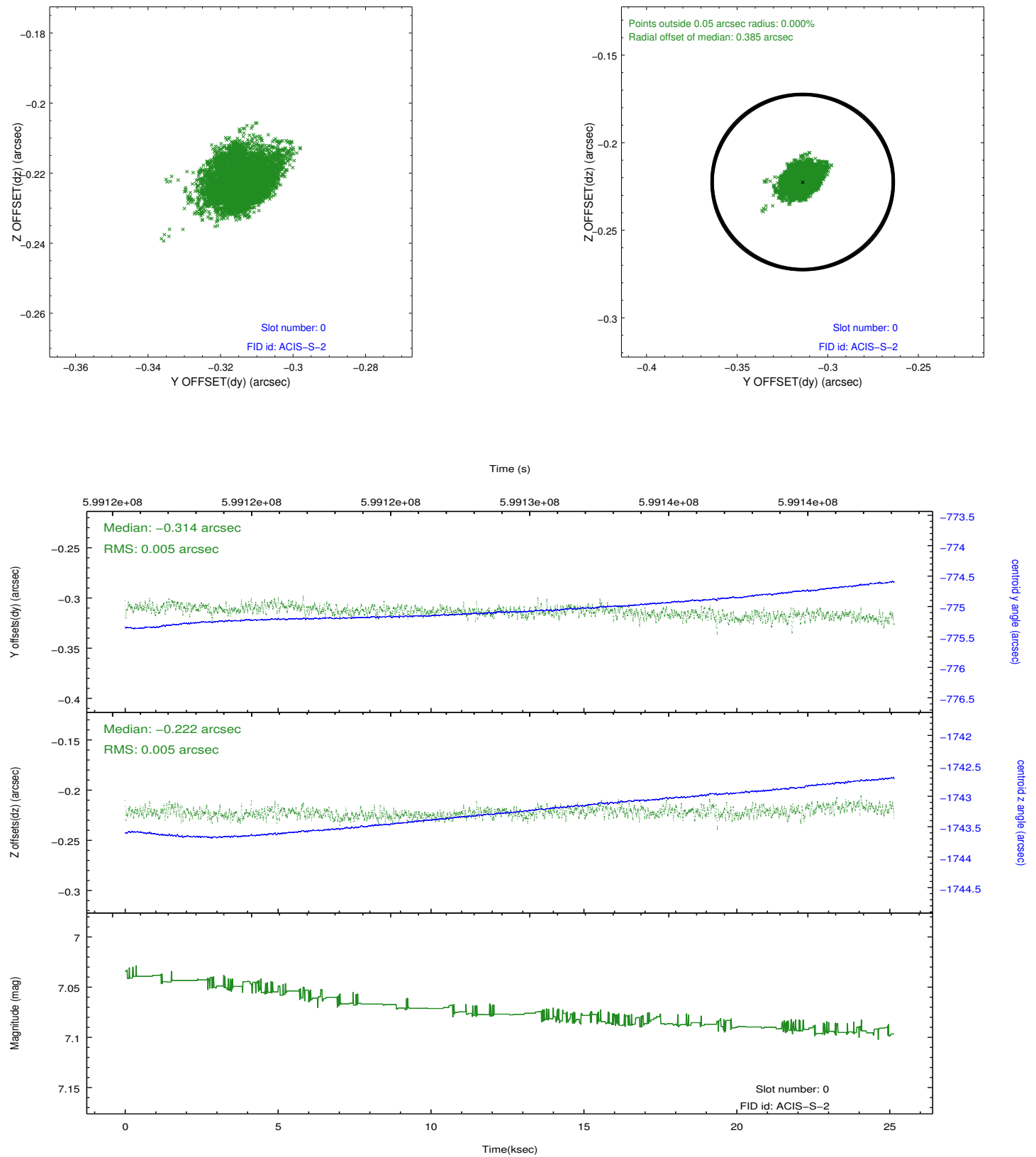


2.4.5 Slot 7

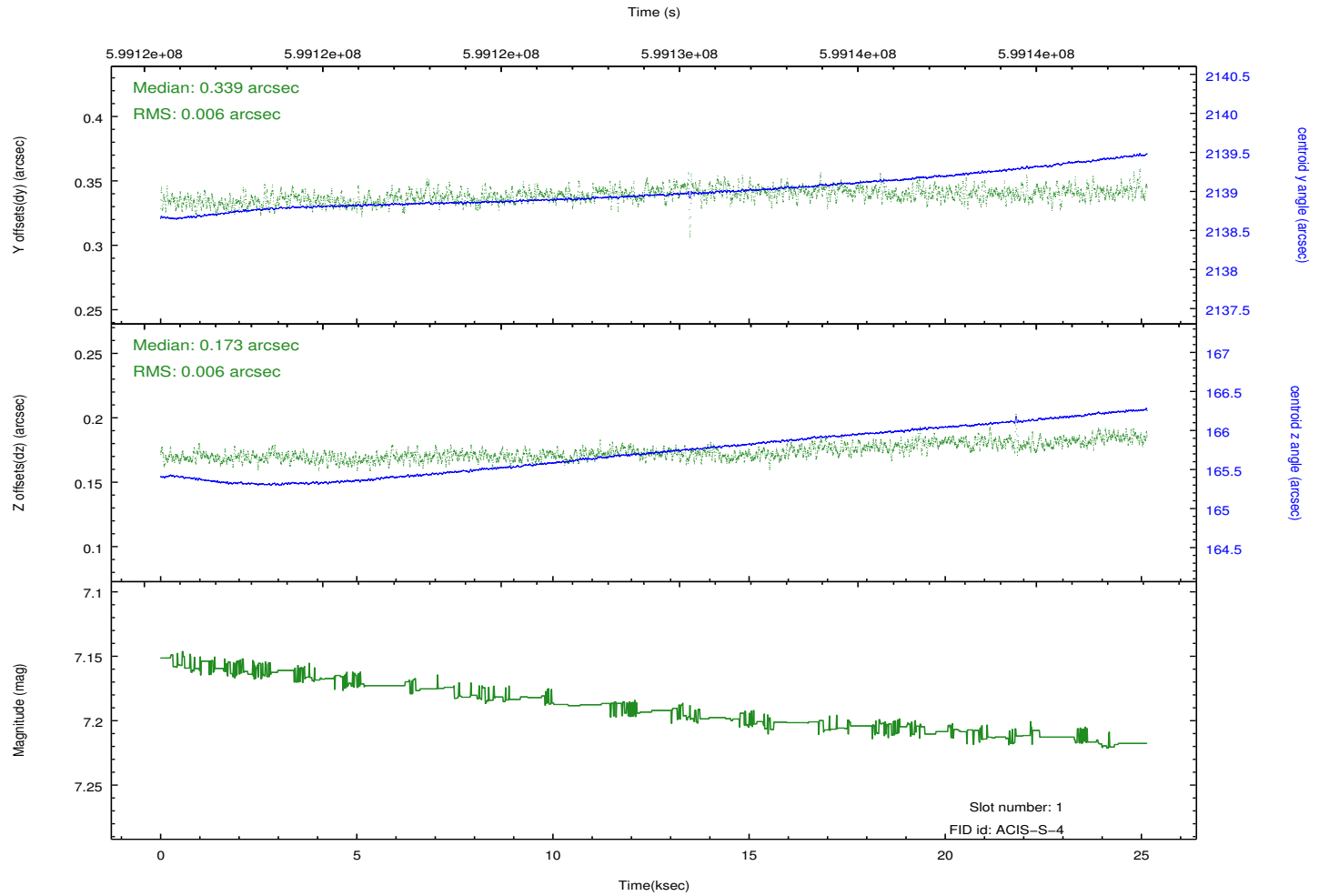
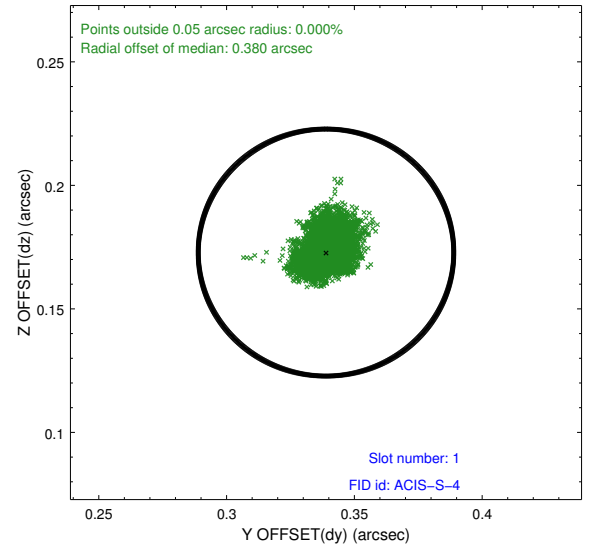
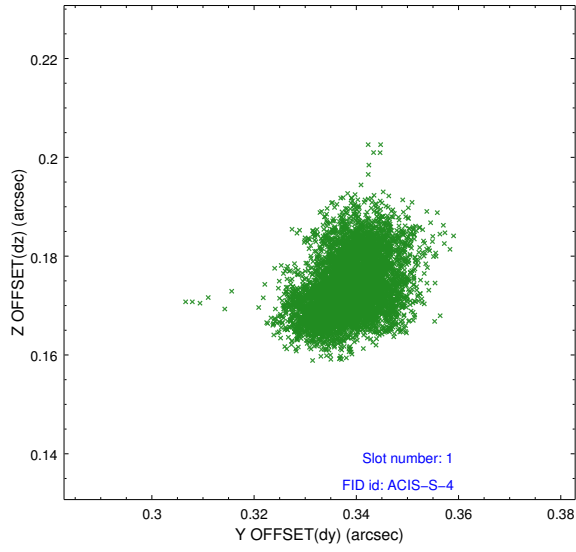


2.5 FID Slots

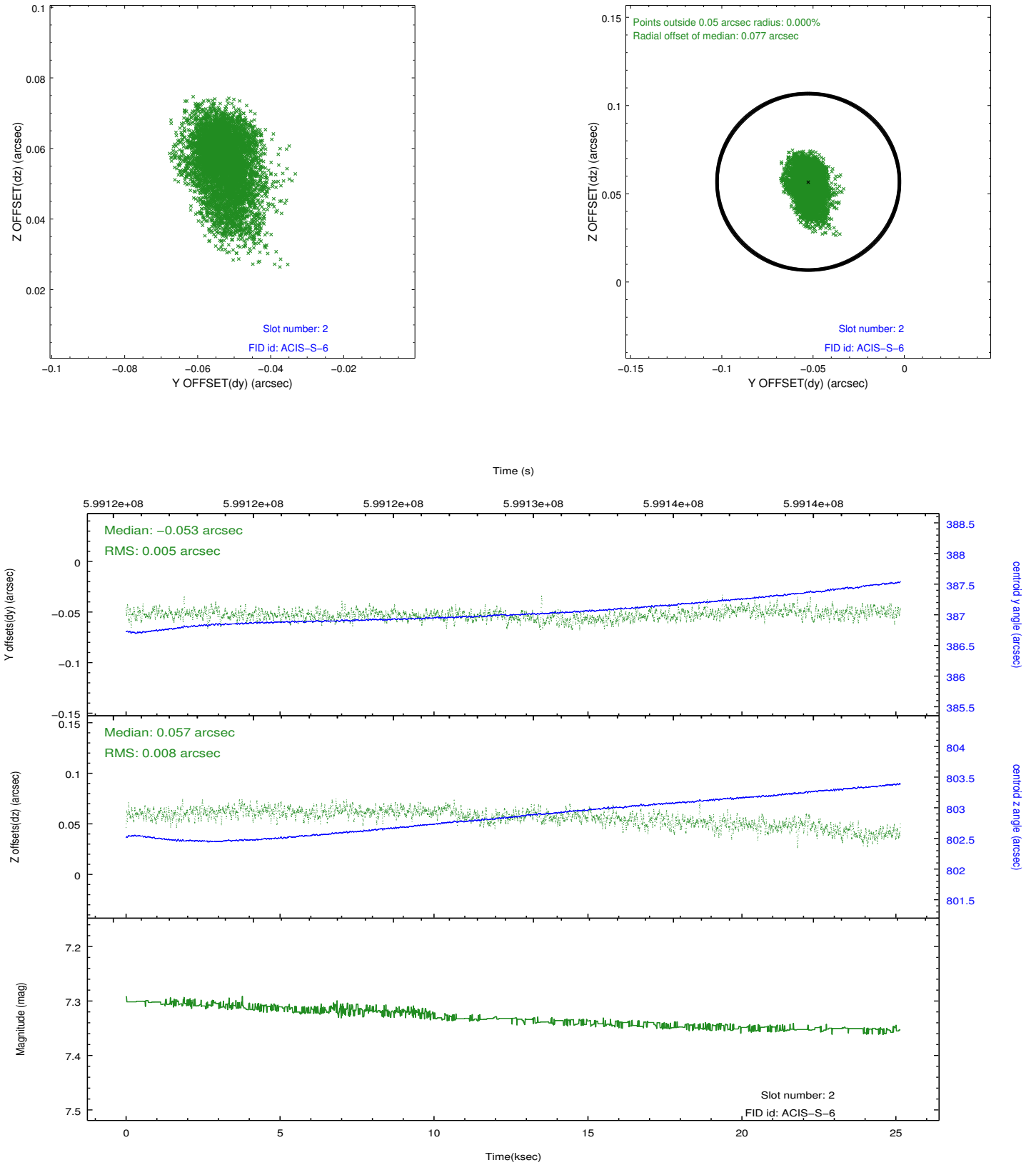
2.5.1 Slot 0



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)	2016.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.069598505616

A.2 Comments

Observation coordinated with NuSTAR.