

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18140 - L2 Version 1
Chandra X-Ray Center

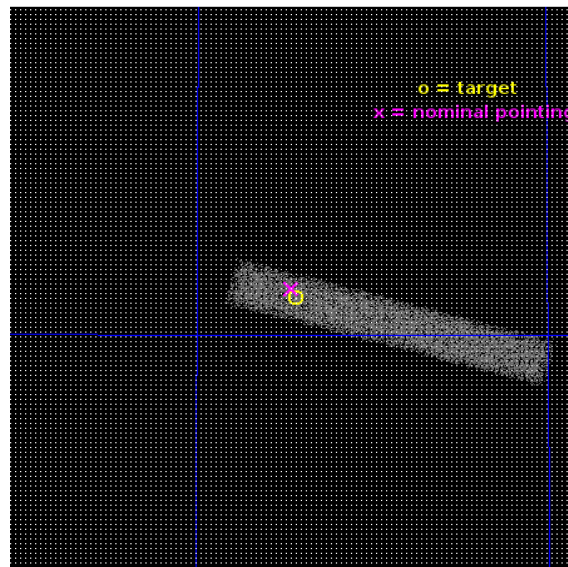
L2 Processing Date : Jan 2 2017

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1 Front

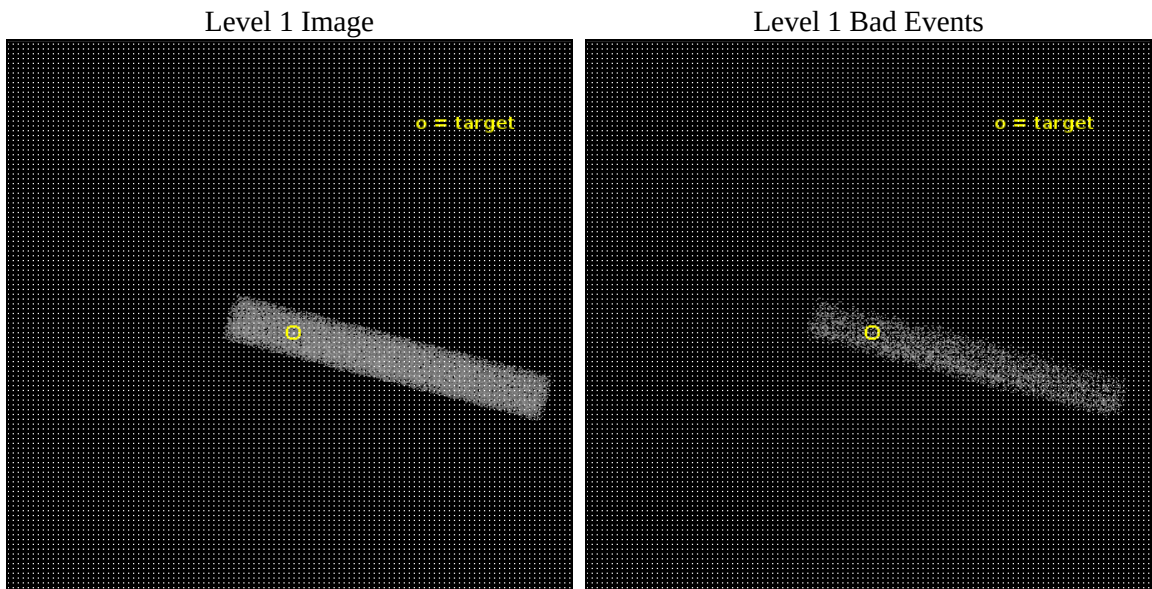
seq_num	703206	Sequence number
obs_id	18140	Observation id
title	Studying Dual AGN Activity and Obscuration in the Final Merger Stage (	Proposal title
observer	Dr Michael Koss	Principal investigator
object	CGCG 341-006	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.359167	Observer's specified target RA [deg]
dec_targ	72.183889	Observer's specified target Dec [deg]
ra_nom	281.36487361003	Nominal RA [deg]
dec_nom	72.187959927009	Nominal Dec [deg]
roll_nom	15.15120040122	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25069.029964566	Sum of GTIs [s]
livetime	22736.286925963	Livetime [s]
ontime7	25069.029964566	Sum of GTIs [s]
l2events	15435	Number of level 2 events



2 OBI

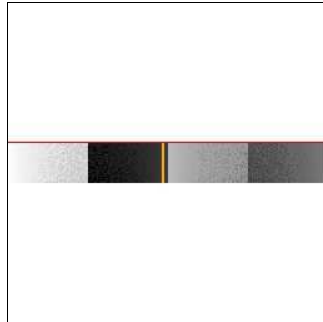
2.1 OBI

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	25069.029964566	Sum of GTIs [s]
caldsver	4.7.3	 	ontime7	25069.029964566	Sum of GTIs [s]
date	2017-01-02T13:11:35	Date and time of file creation	l1events	31406	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

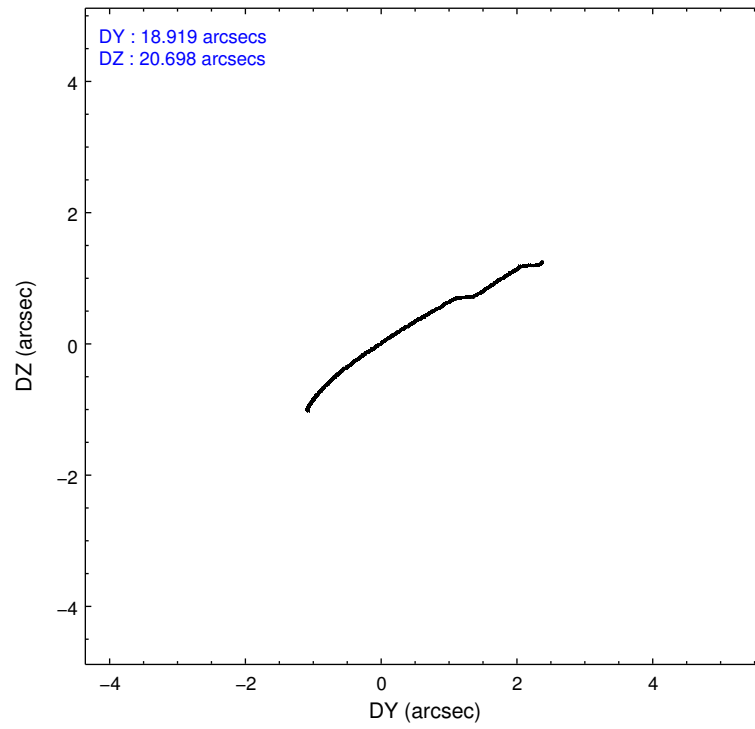
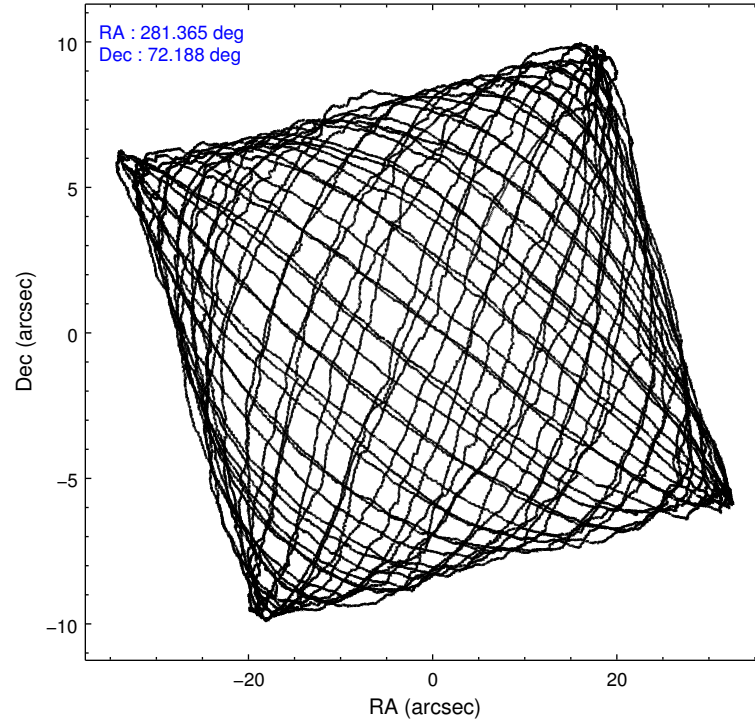
	ccd 7
level 1 events	31406
rejected events	15338
rejected %	48%

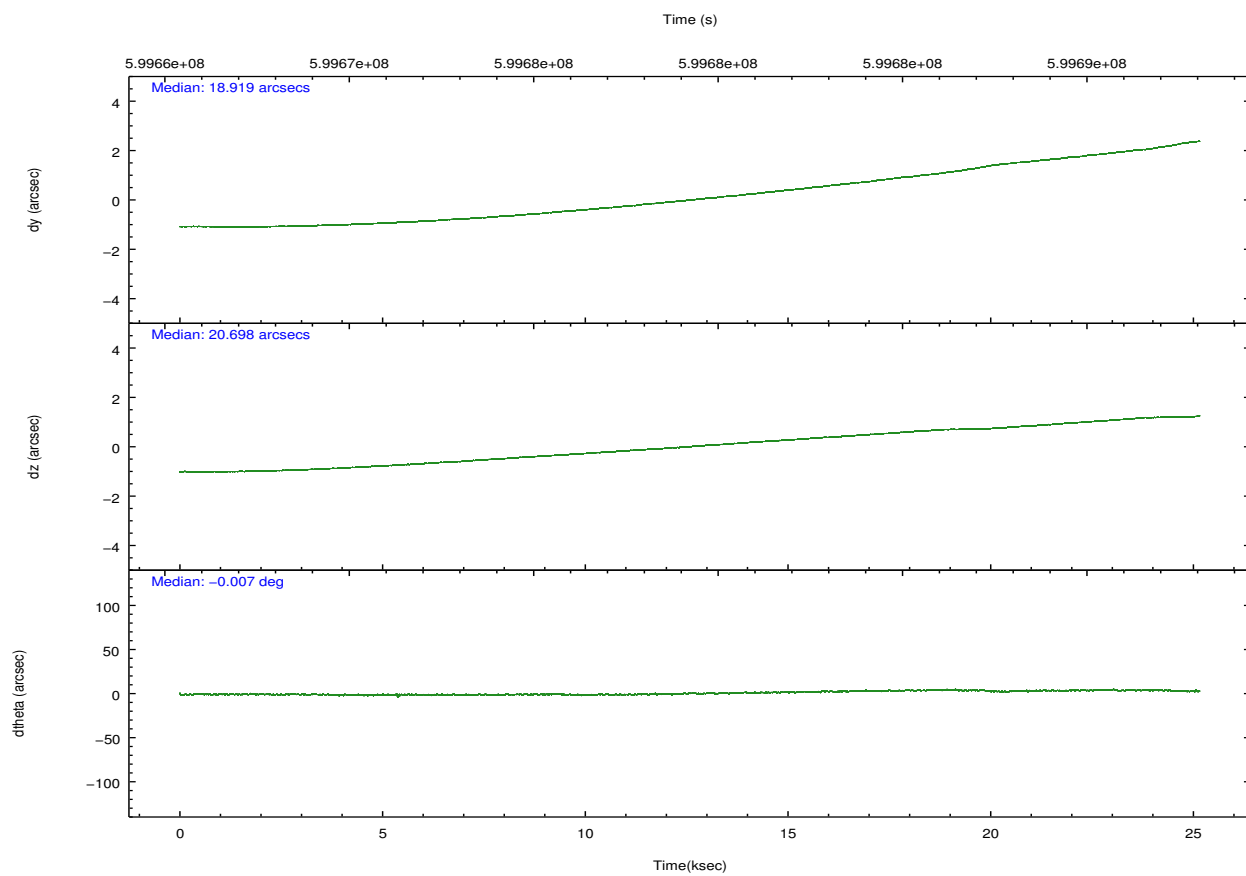
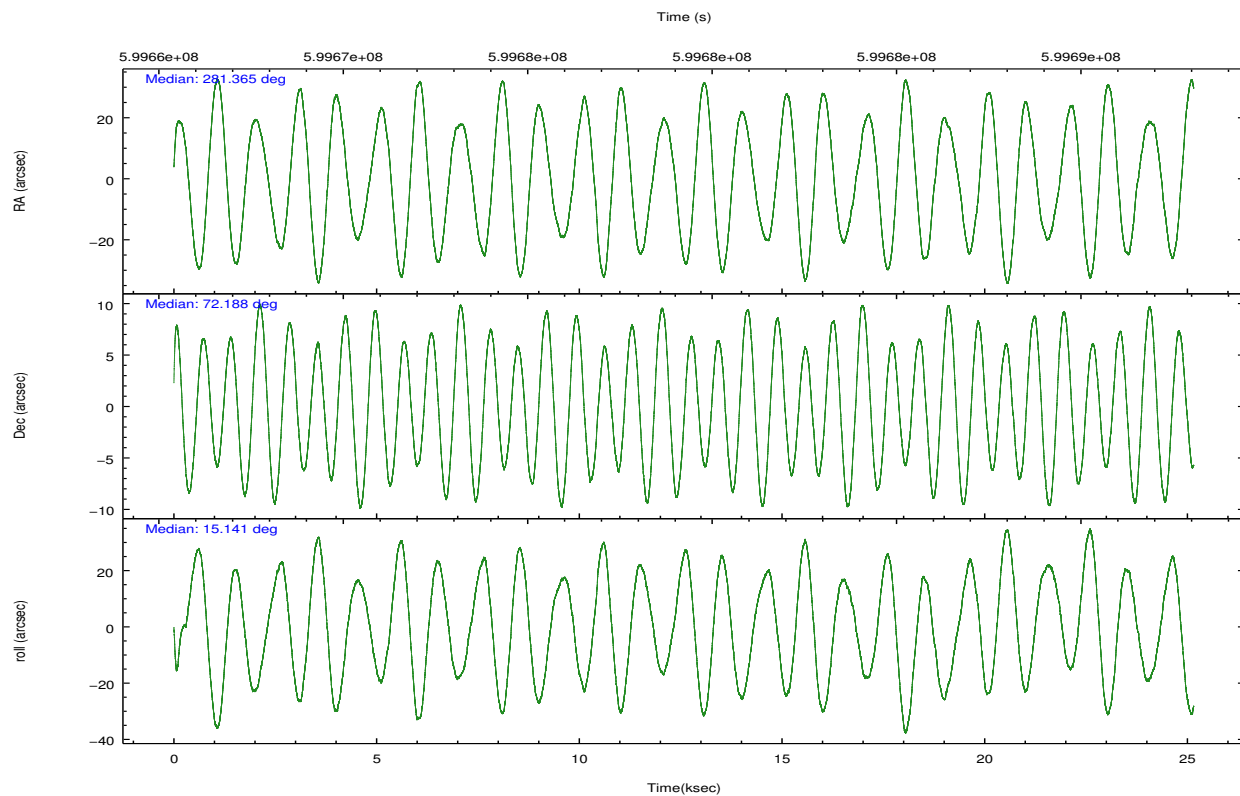
	ccd 7
grade 0 events	1825
	5%
grade 1 events	49
	0%
grade 2 events	3260
	10%
grade 3 events	2044
	6%
grade 4 events	2011
	6%
grade 5 events	3159
	10%
grade 6 events	6928
	22%
grade 7 events	12130
	38%

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	281.302477	281.3648736100282	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	72.168227	72.18795992700917	Subarray start row	449	449
[deg] Pointing Roll	15.053963	15.15120040122049	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)	599666795.184000	599665677.45375			
Observation start date	2017-01-01T14:05:26	2017-01-01T13:47:57			
[s] Observation end time (MET)	599691795.184000	599692430.9802999			
Observation end date	2017-01-01T21:02:06	2017-01-01T21:13:50			
Read mode	TIMED	TIMED			

2.3 Aspect



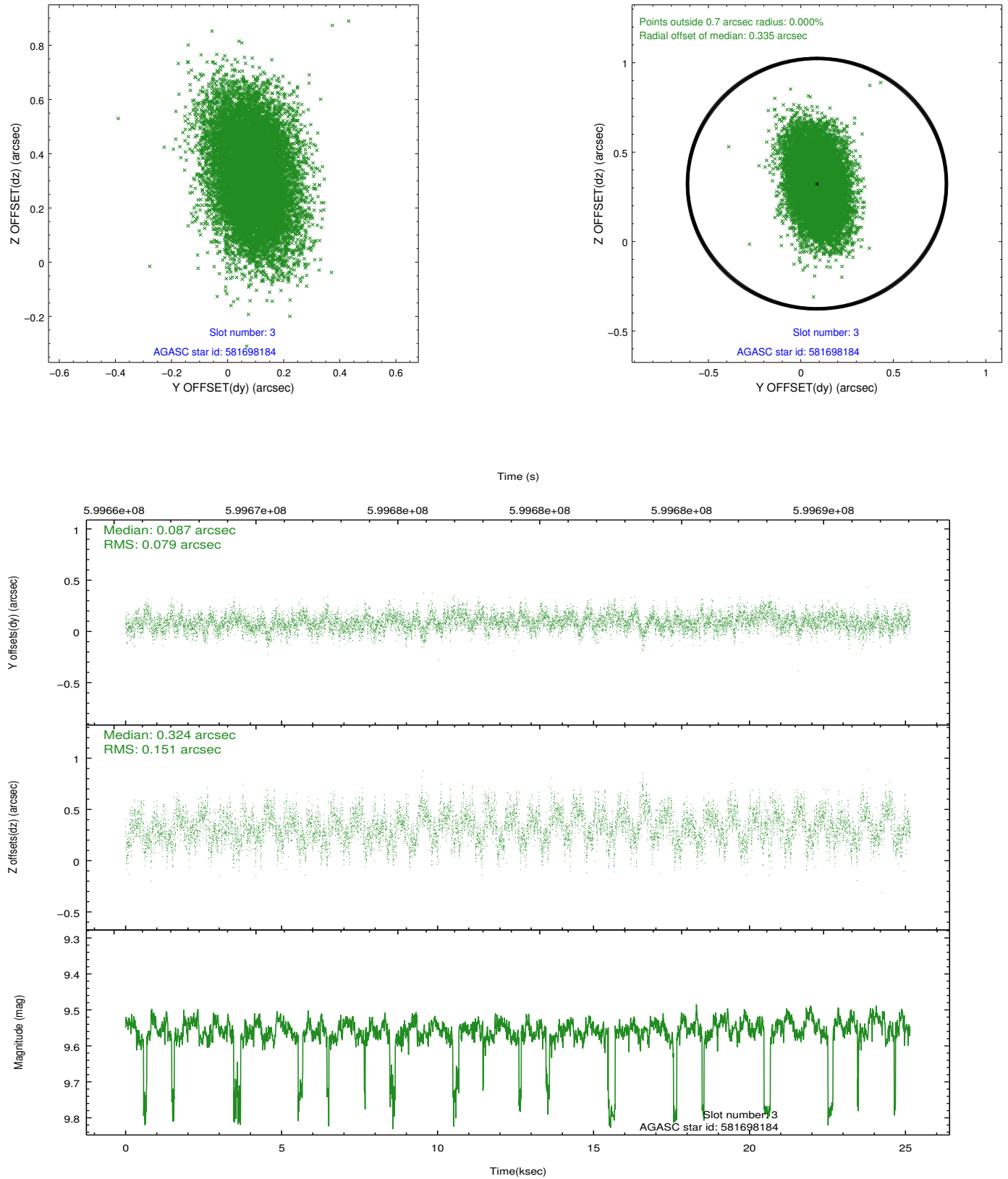


Slot Statistics

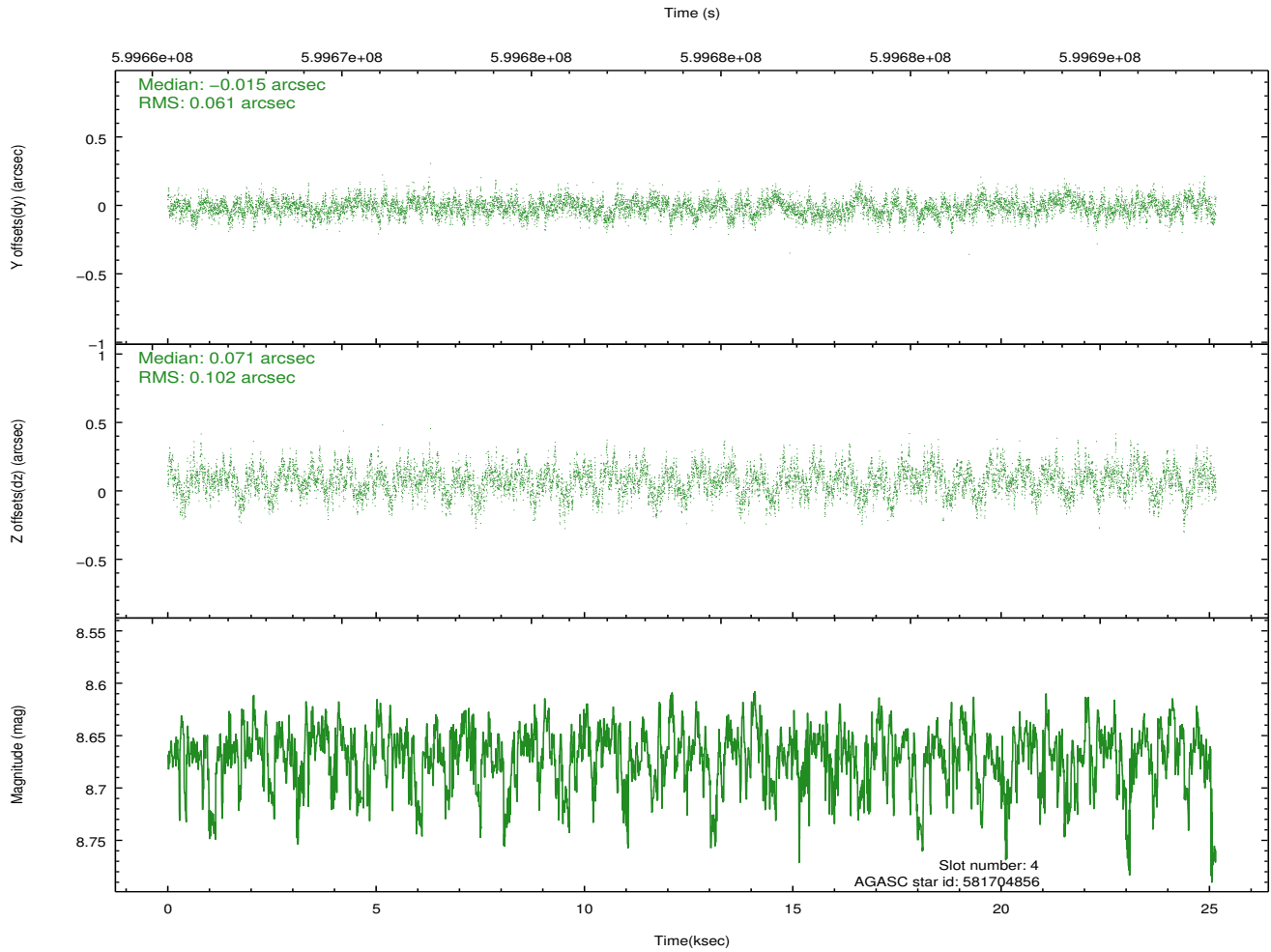
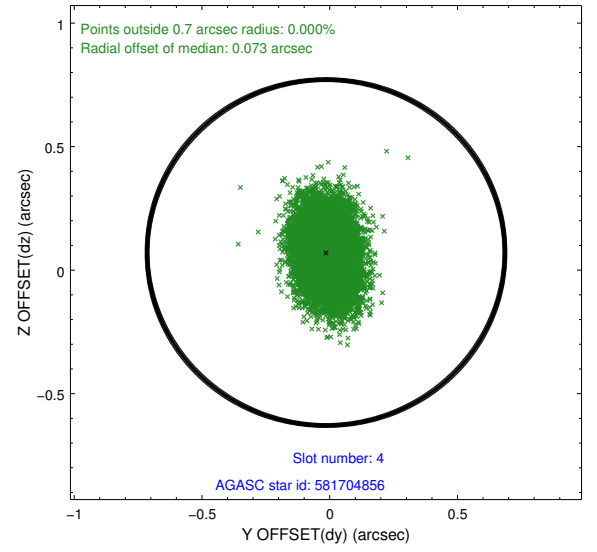
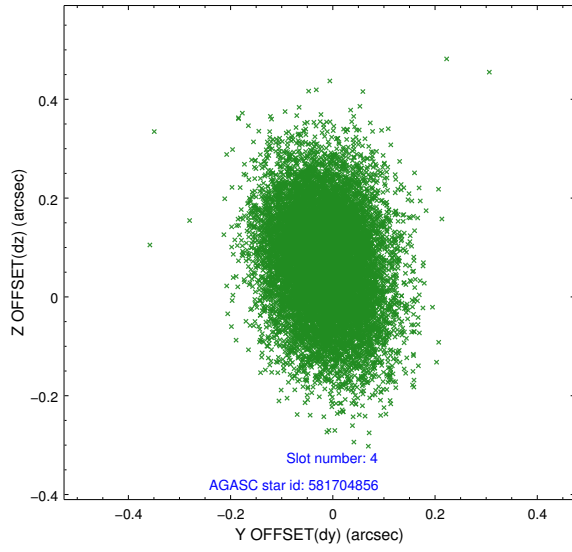
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.17	6135	0.041	-0.094	0.025	0.034	0.000000	0.000000	923.92	-1737.96
1	FID		ACIS-S-4	7.19	6135	0.368	0.049	0.015	0.023	0.000000	0.000000	2141.66	166.25
2	FID		ACIS-S-5	7.19	6136	-0.446	0.059	0.023	0.049	0.000000	0.000000	-1825.33	159.88
3	GUIDE	used	581698184	9.56	12245	0.087	0.324	0.178	0.306	280.522673	71.433551	-1547.70	-2315.47
4	GUIDE	used	581704856	8.67	12265	-0.015	0.071	0.123	0.213	280.589328	71.653088	-1260.54	-1576.55
5	GUIDE	used	581705072	8.63	12268	0.111	-0.040	0.101	0.171	279.243935	72.267009	-2076.62	967.35
6	GUIDE	used	581829408	8.90	12266	0.030	-0.249	0.115	0.198	282.591864	71.961012	1198.36	-1078.28
7	GUIDE	used	581705384	7.89	12270	-0.211	-0.103	0.114	0.202	278.699364	72.535836	-2355.95	2066.80

2.4 Star Slots

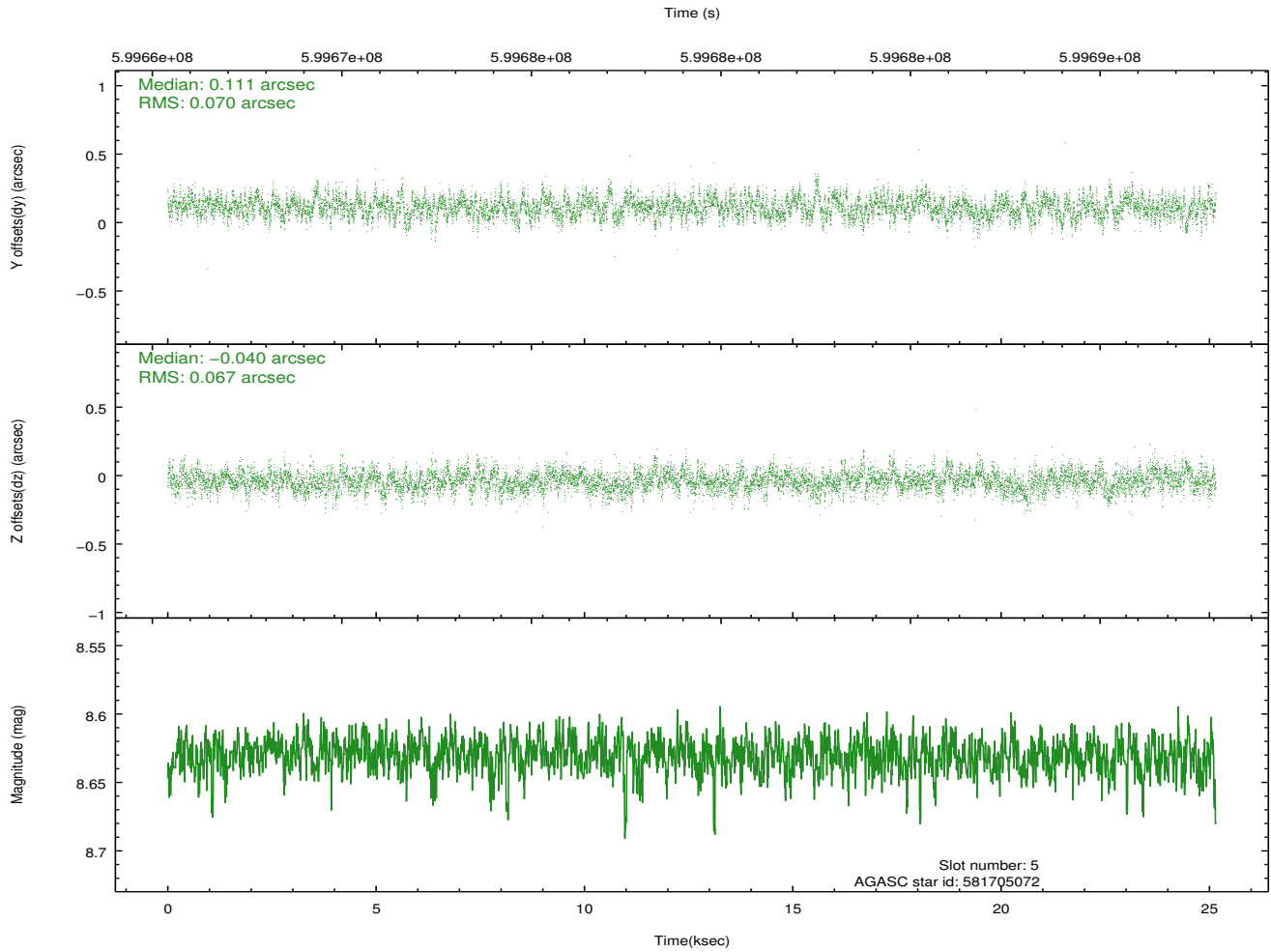
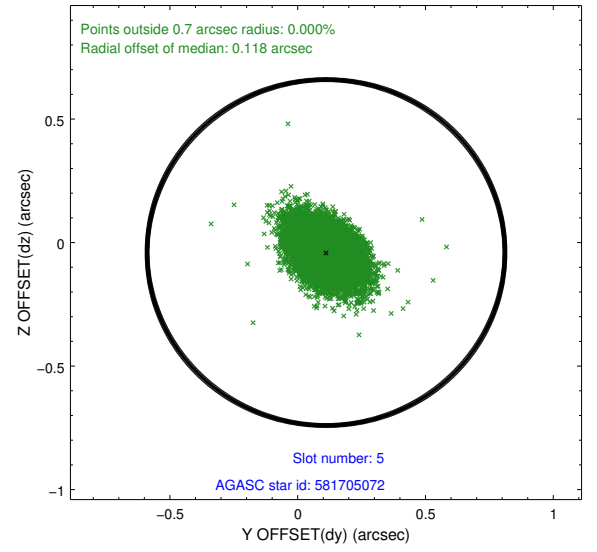
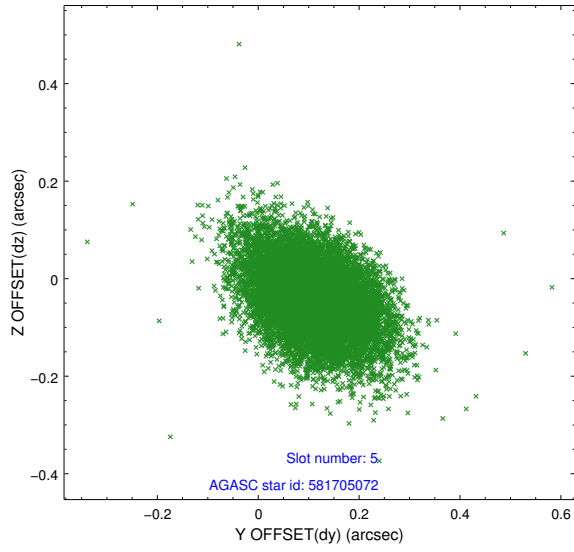
2.4.1 Slot 3



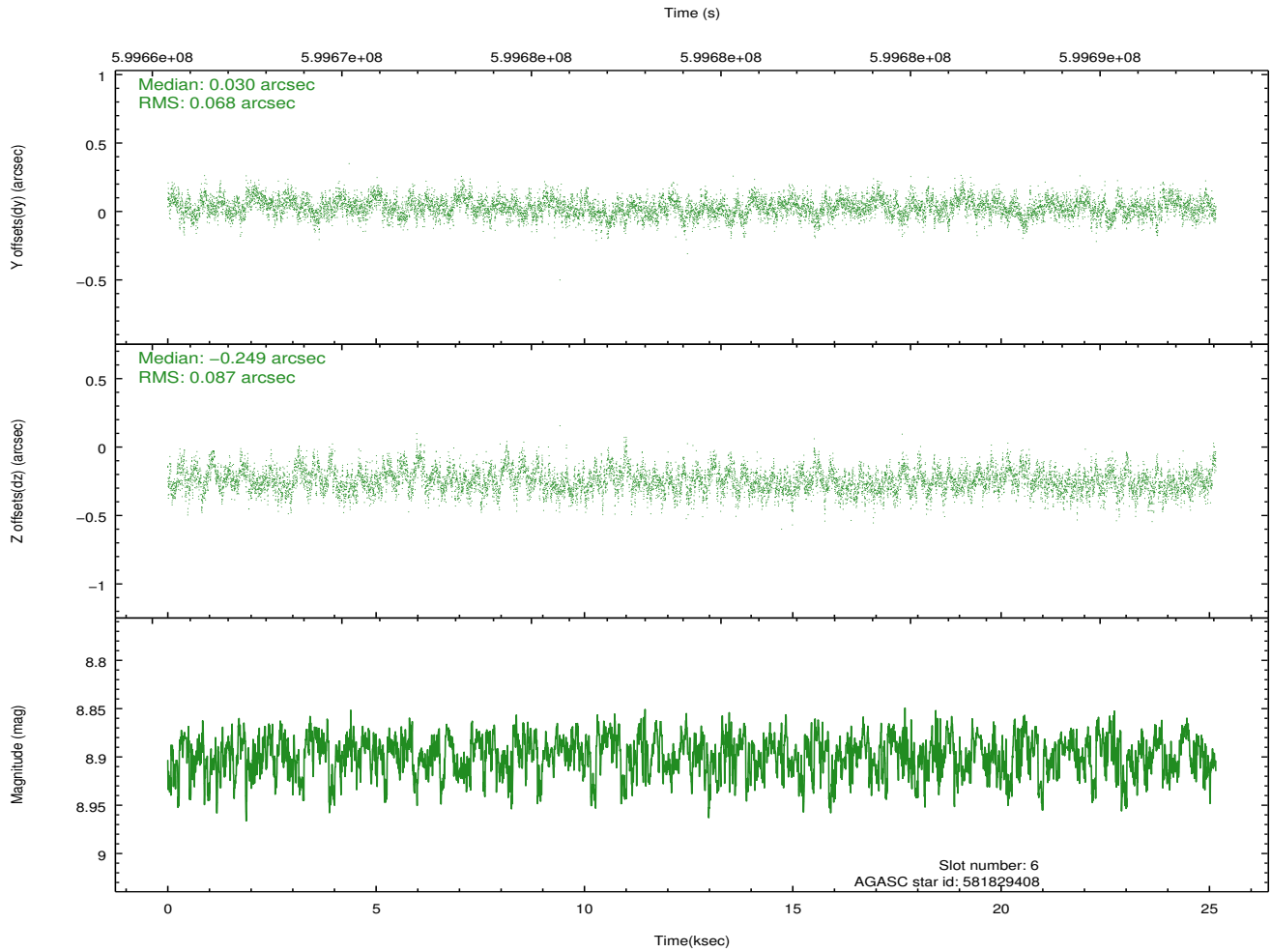
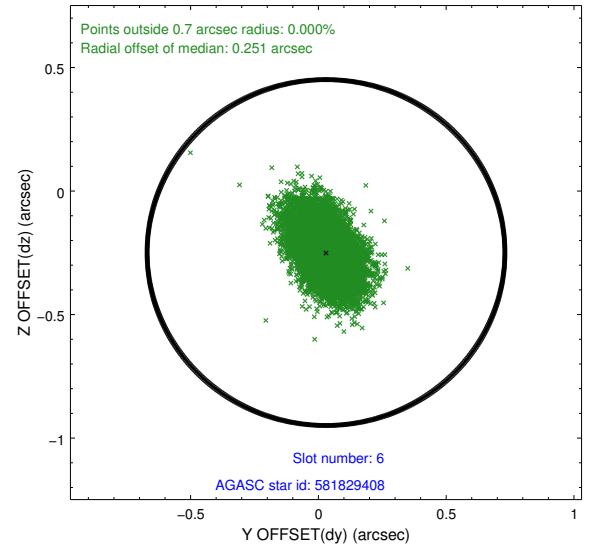
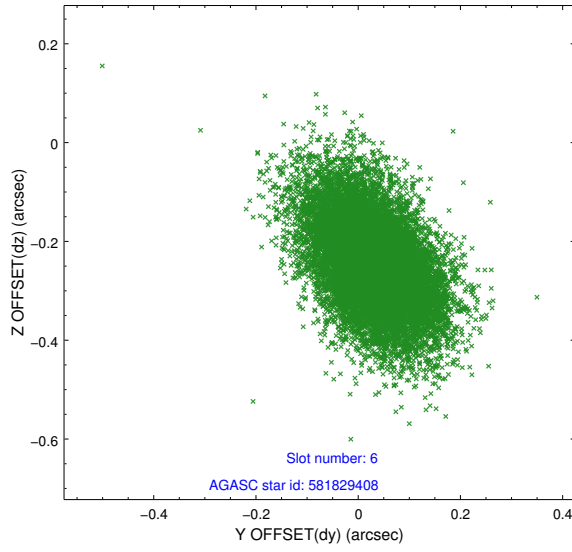
2.4.2 Slot 4



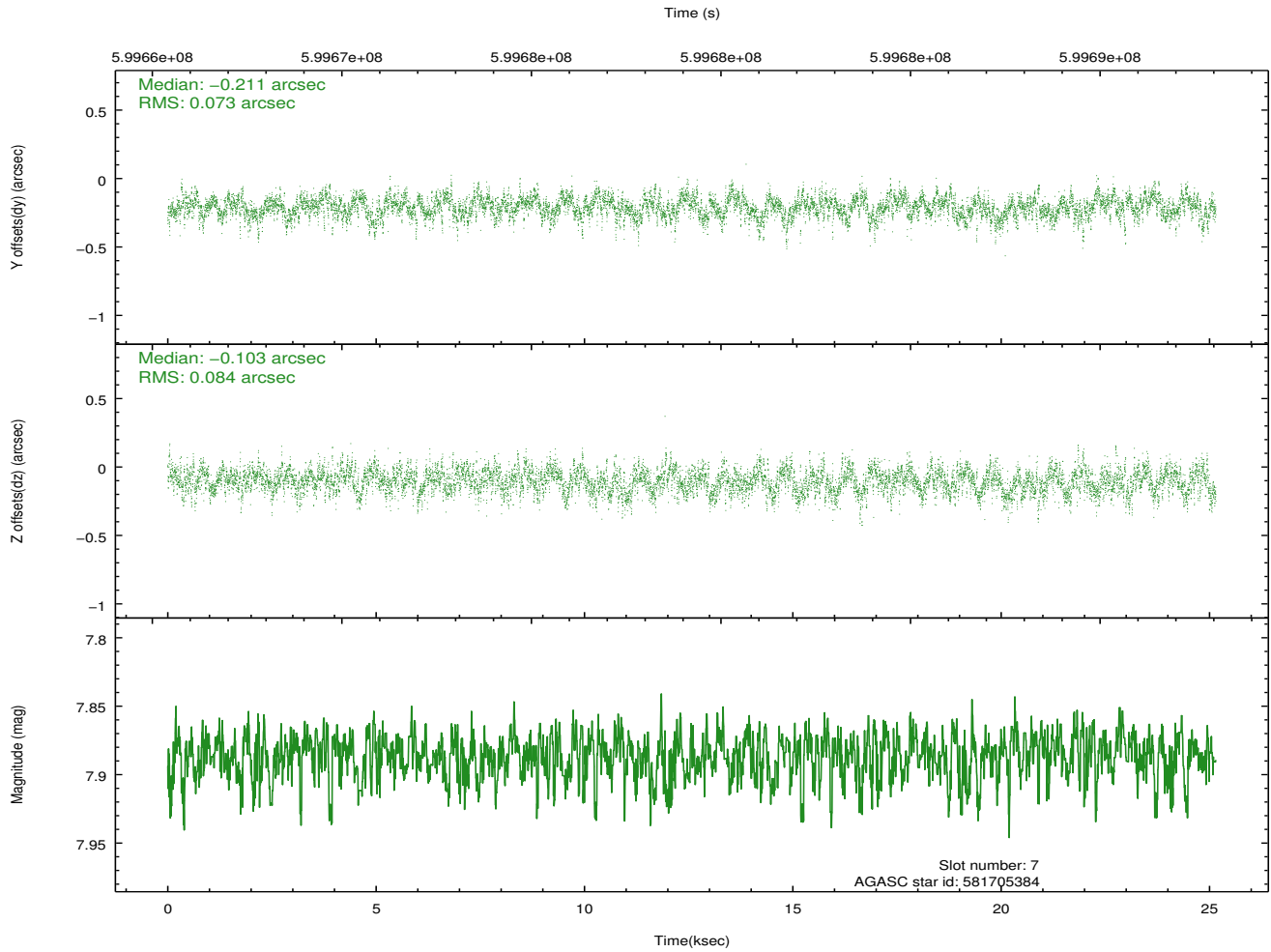
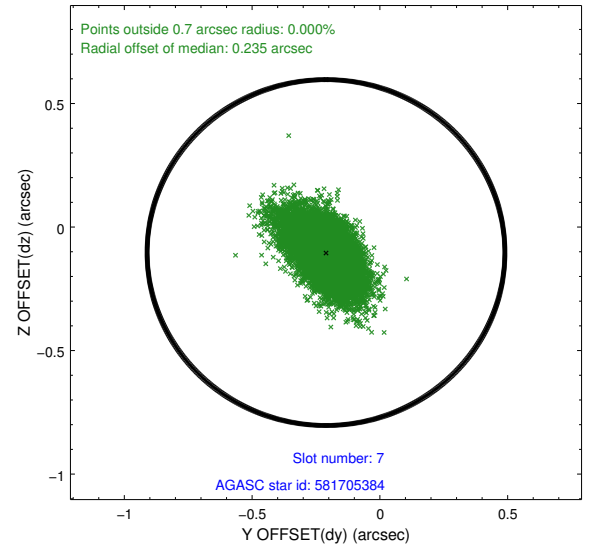
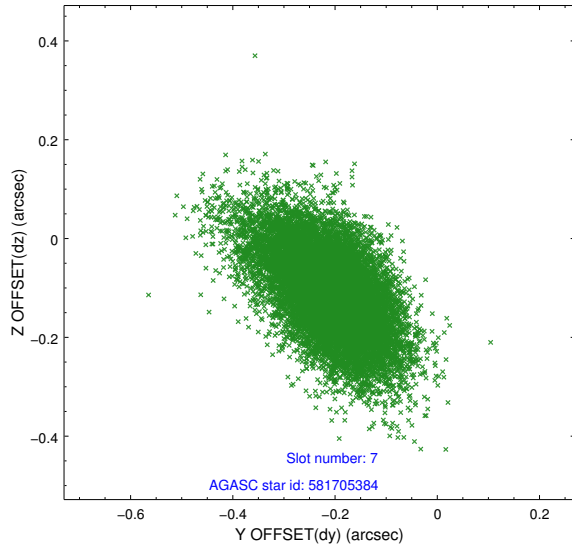
2.4.3 Slot 5



2.4.4 Slot 6

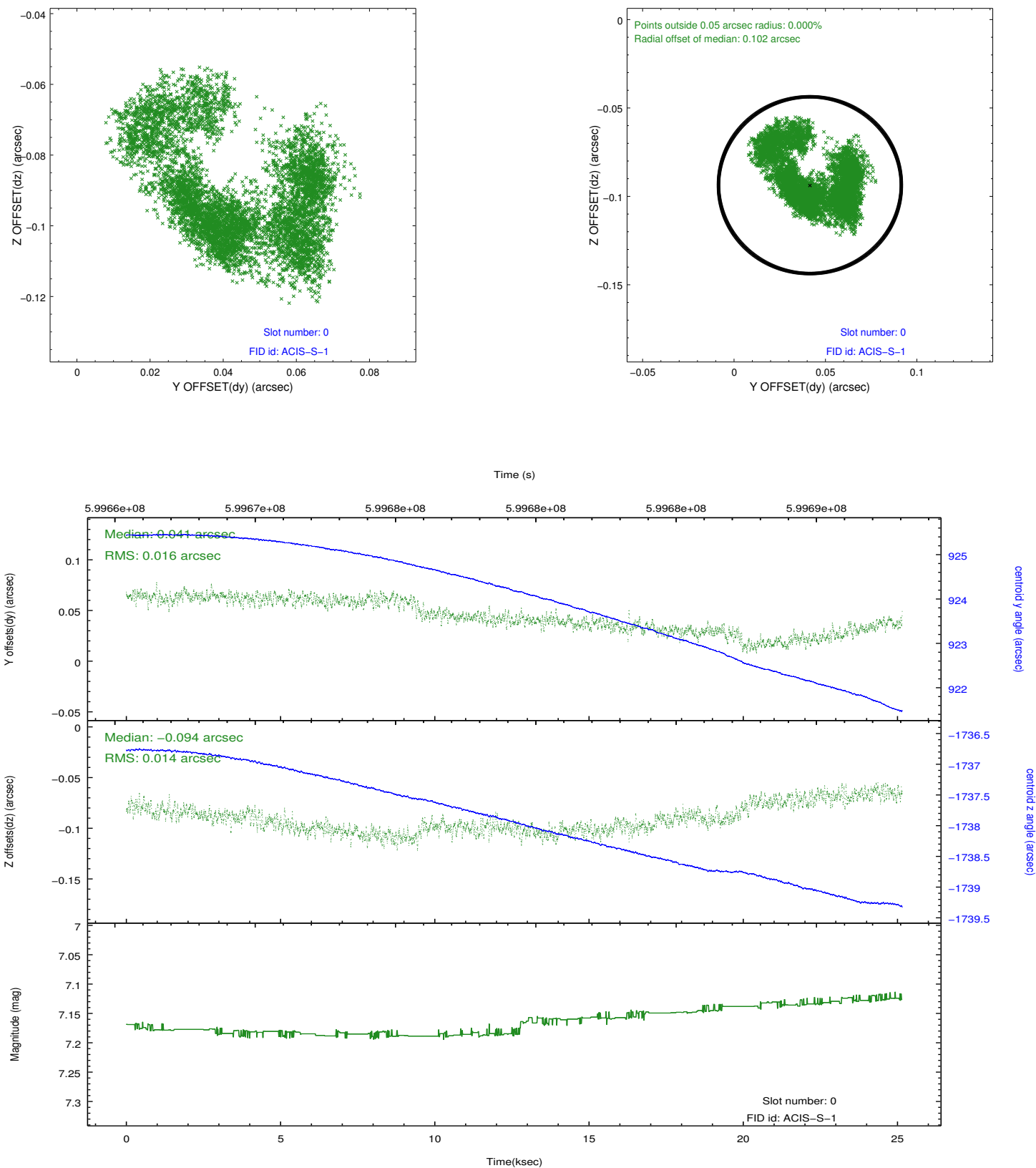


2.4.5 Slot 7

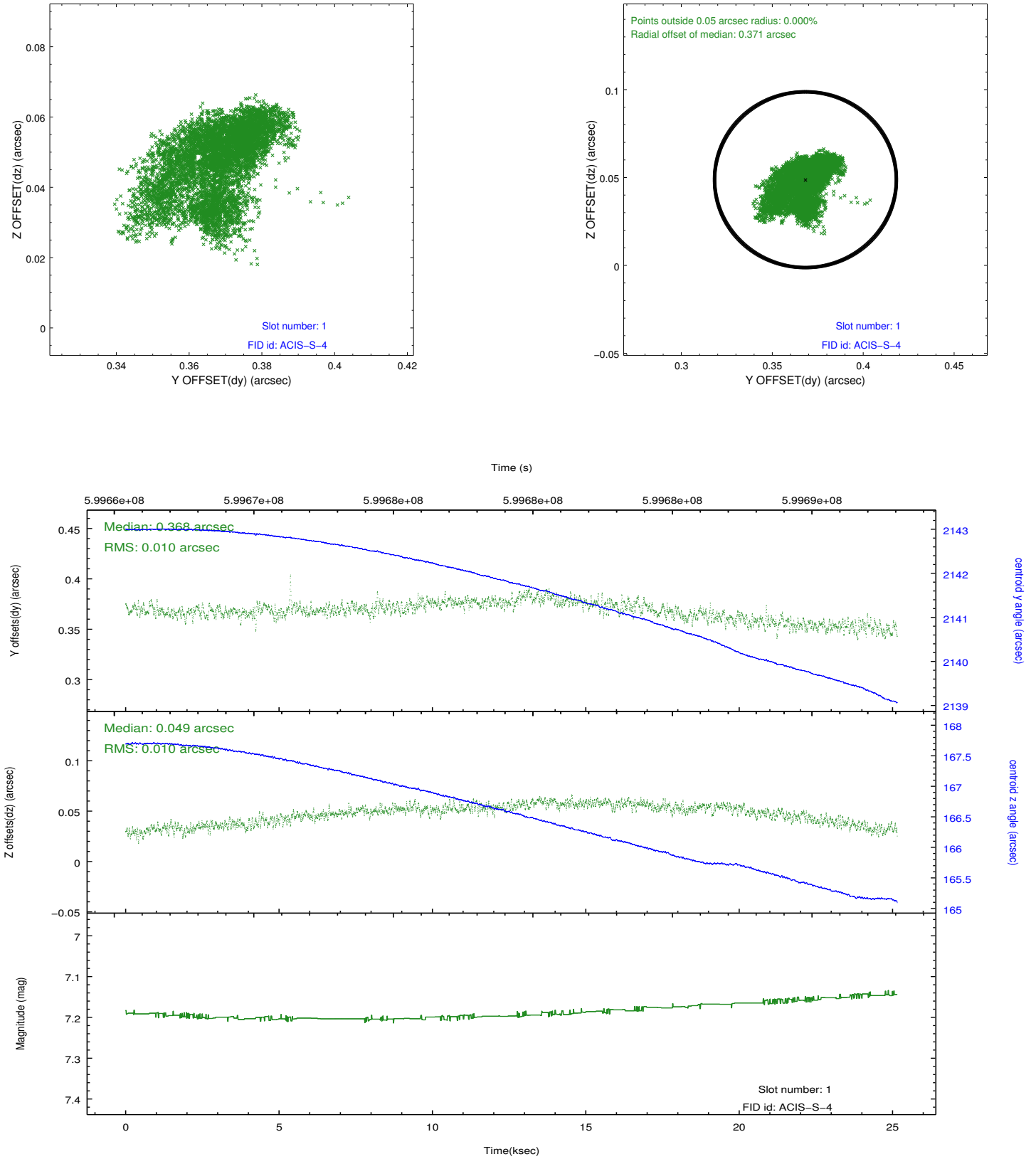


2.5 FID Slots

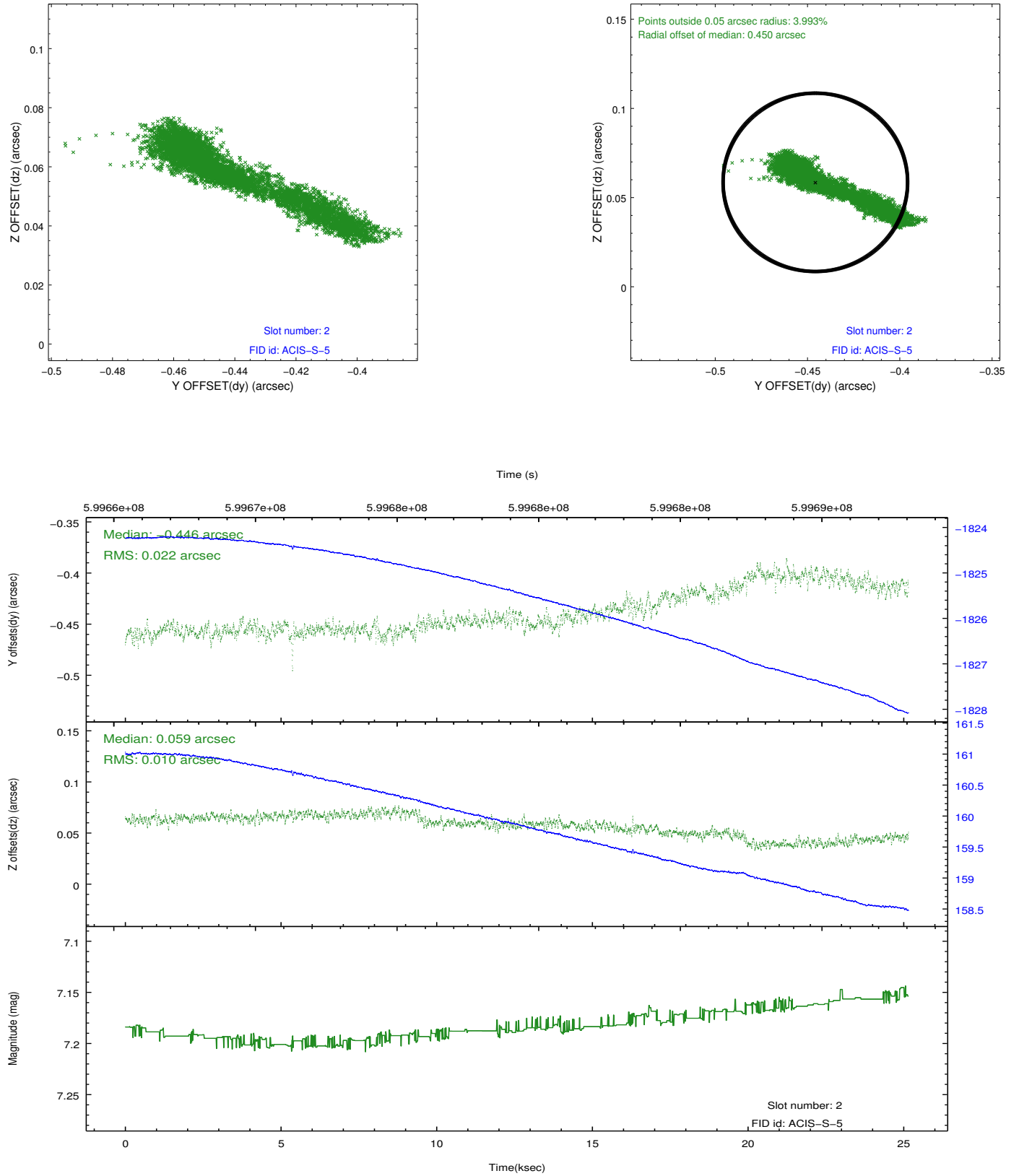
2.5.1 Slot 0



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)	2017.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.069029964566

A.2 Comments

Observation coordinated with NuSTAR.