

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 23110 - L2 Version 1
Chandra X-Ray Center

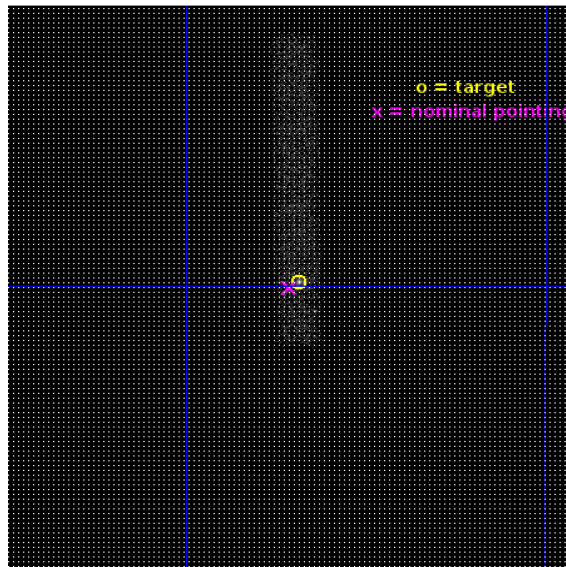
L2 Processing Date : Dec 26 2019

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1 Front

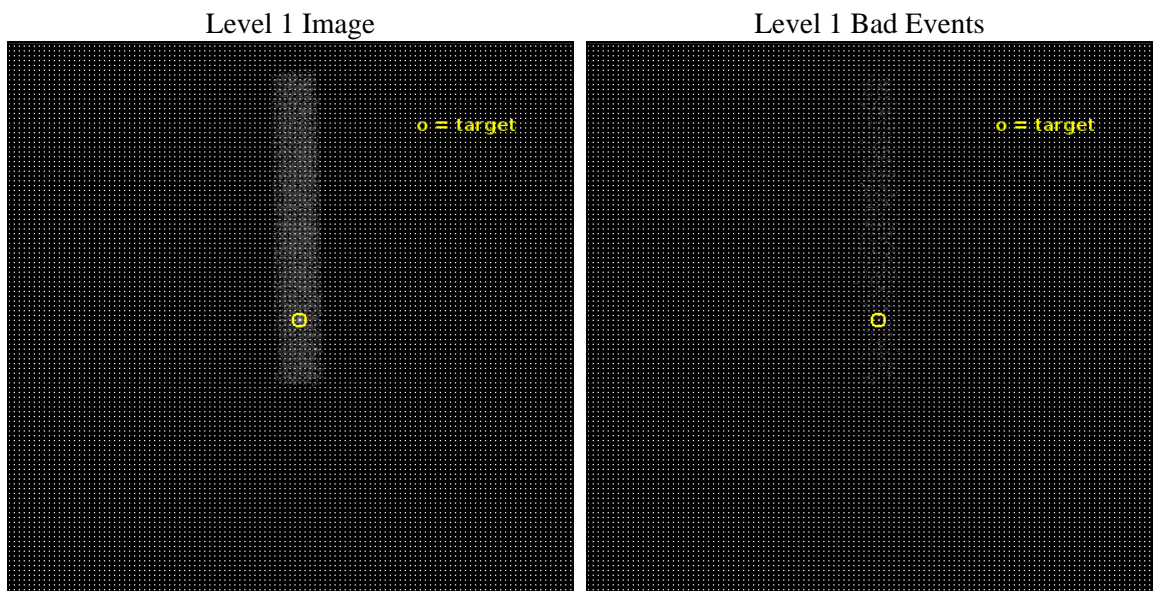
seq_num	704034	Sequence number
obs_id	23110	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	RBS1897	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	342.17157	Observer's specified target RA [deg]
dec_targ	-51.16481	Observer's specified target Dec [deg]
ra_nom	342.17793285791	Nominal RA [deg]
dec_nom	-51.167602116477	Nominal Dec [deg]
roll_nom	269.12870307113	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10069.952492118	Sum of GTIs [s]
livetime	9132.9153746761	Livetime [s]
ontime7	10069.952492118	Sum of GTIs [s]
l2events	10508	Number of level 2 events



2 OBI

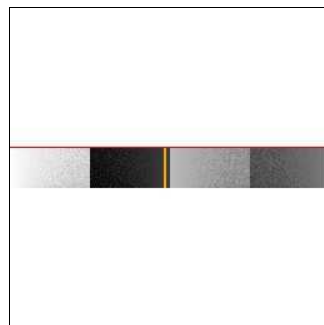
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	10069.952492118	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime7	10069.952492118	Sum of GTIs [s]
date	2019-12-26T14:42:31	Date and time of file creation	l1events	17826	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

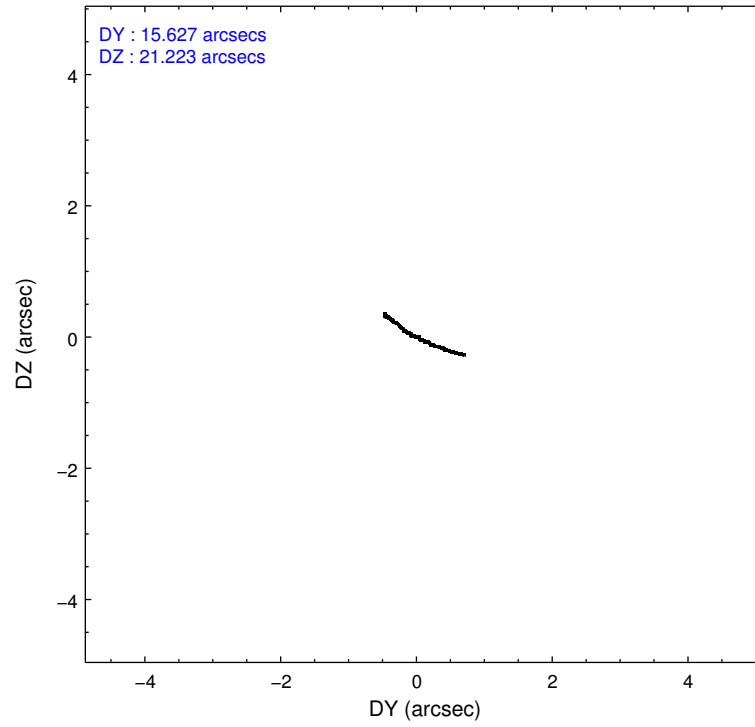
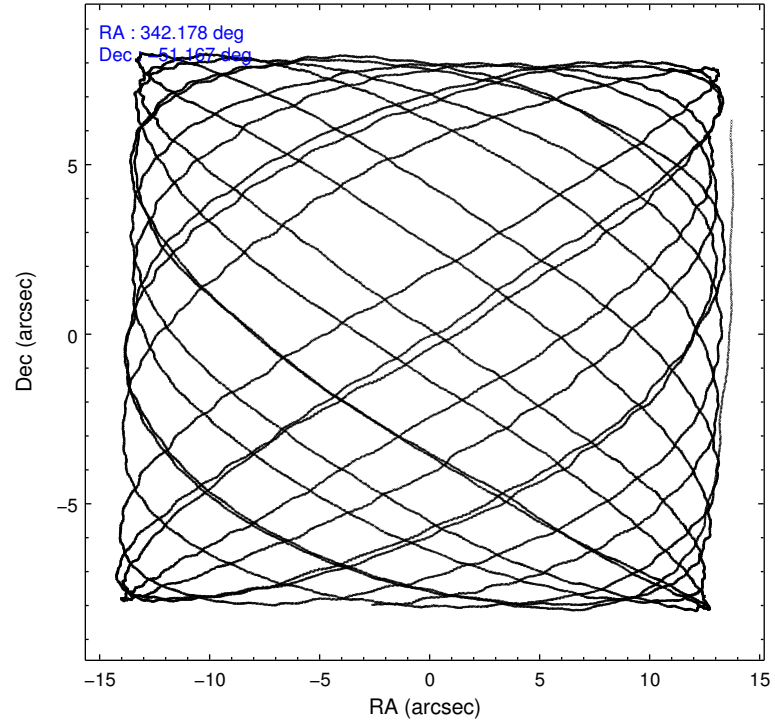
	ccd 7
level 1 events	17826
rejected events	7001
rejected %	39%

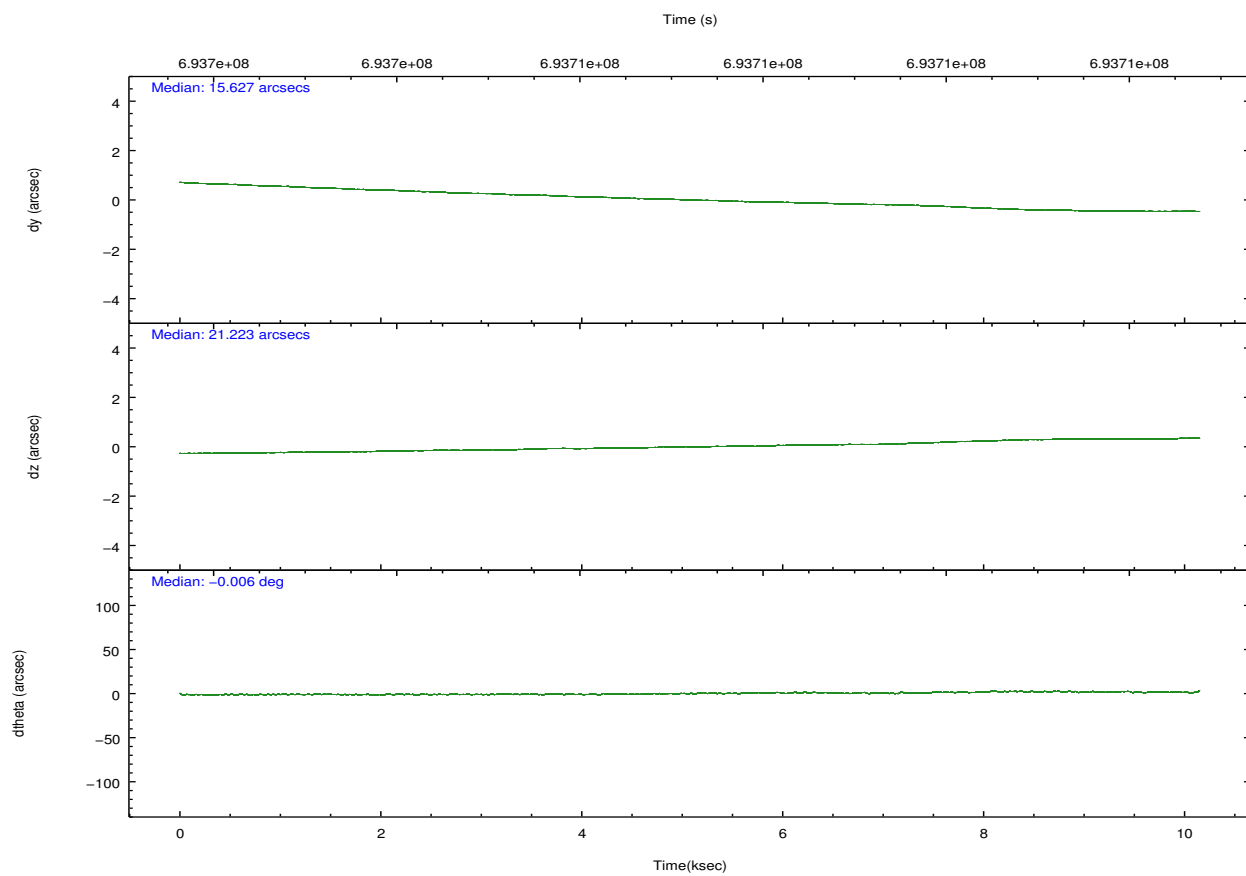
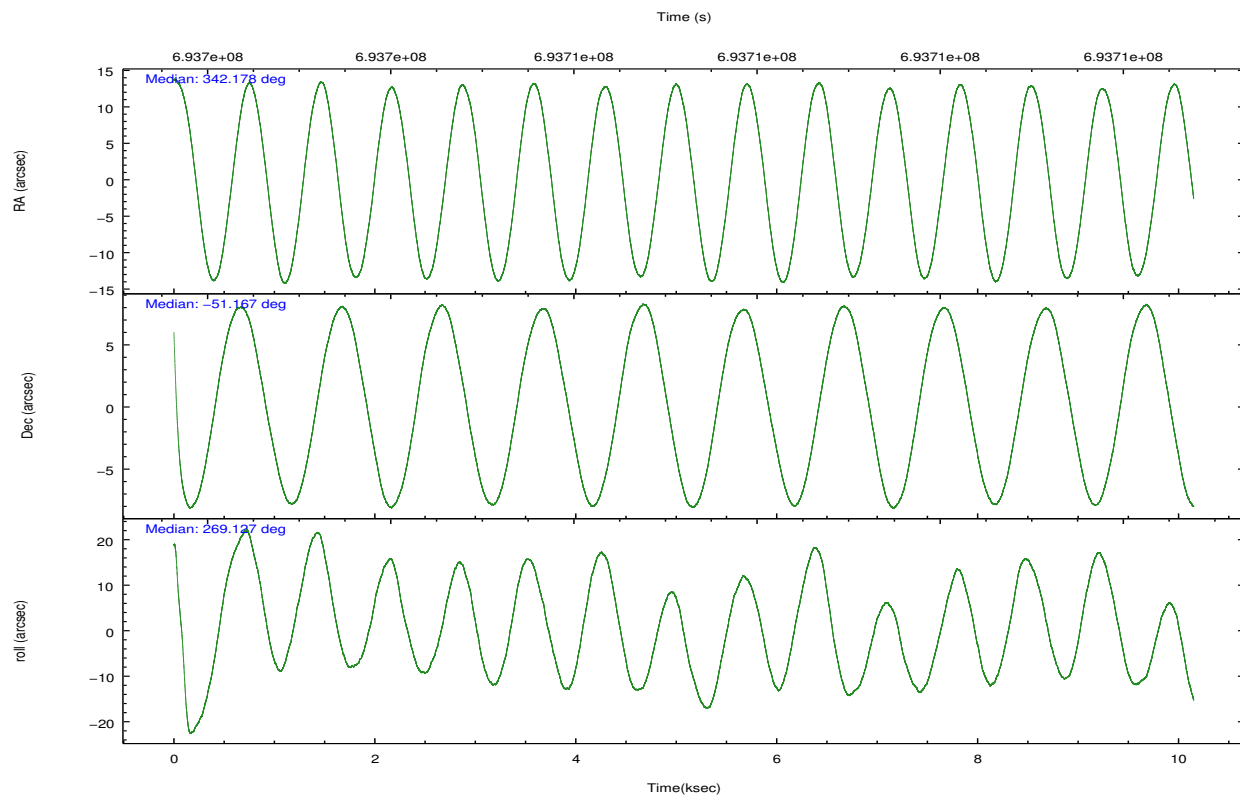
	ccd 7
grade 0 events	1840
	10%
grade 1 events	47
	0%
grade 2 events	2305
	12%
grade 3 events	1362
	7%
grade 4 events	1234
	6%
grade 5 events	1302
	7%
grade 6 events	4084
	22%
grade 7 events	5652
	31%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	342.156071	342.1779328579095	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-51.143788	-51.16760211647705	Subarray start row	449	449
[deg] Pointing Roll	268.954997	269.1287030711258	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)	693702280.184000	693700830.27394			
Observation start date	2019-12-25T23:03:31	2019-12-25T22:40:30			
[s] Observation end time (MET)	693712280.184000	693713246.09969			
Observation end date	2019-12-26T01:50:11	2019-12-26T02:07:26			
Read mode	TIMED	TIMED			

2.3 Aspect



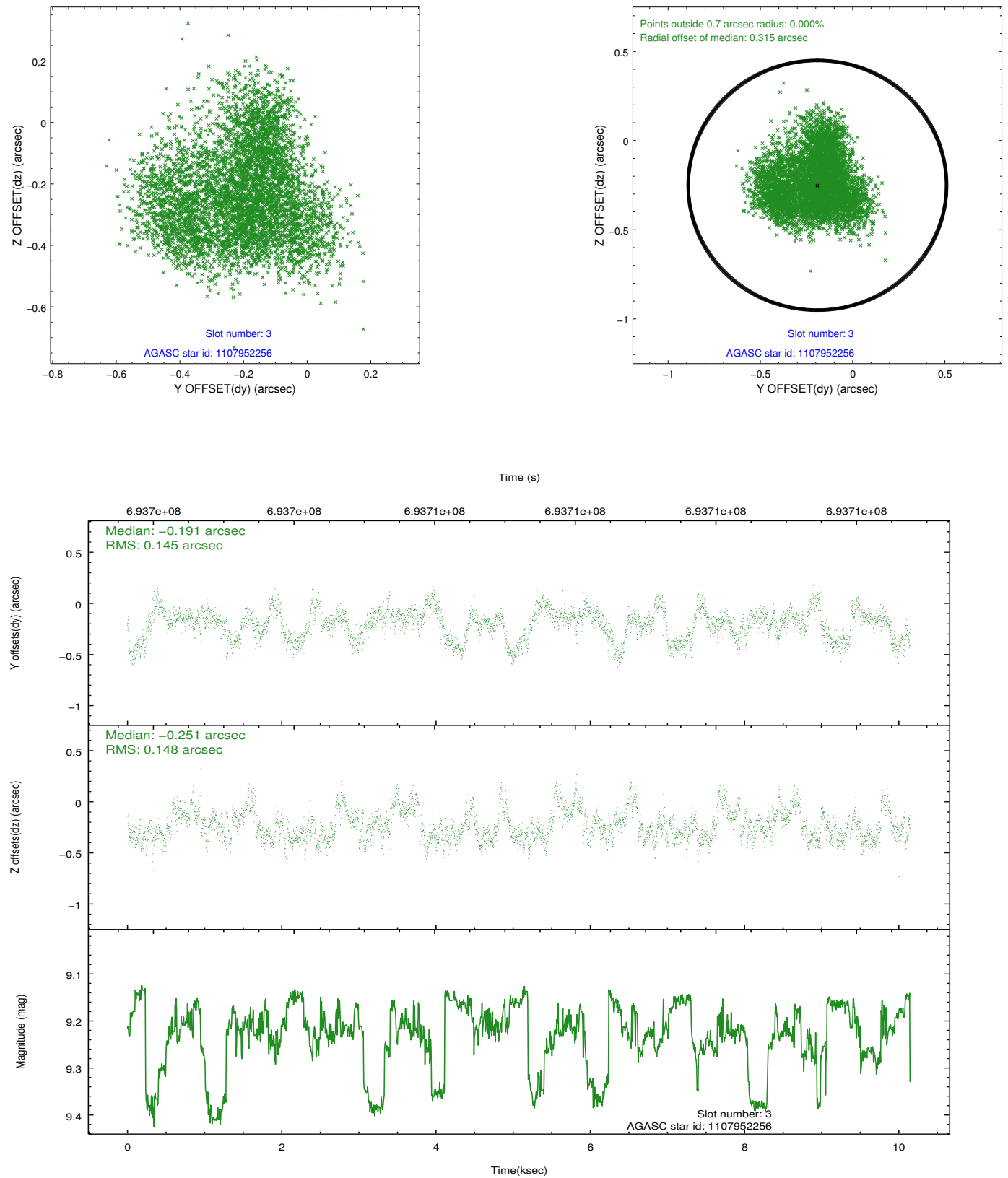


Slot Statistics

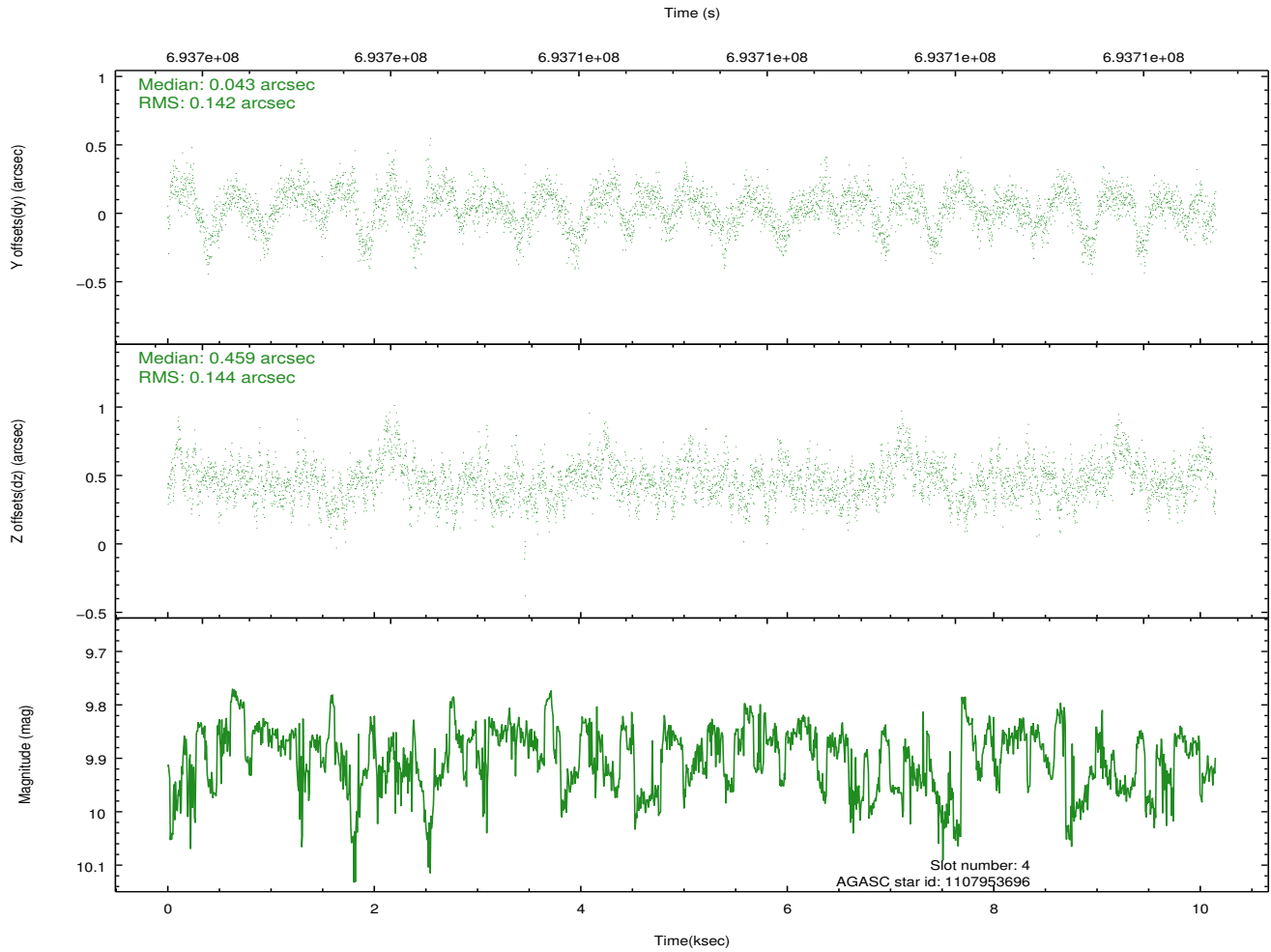
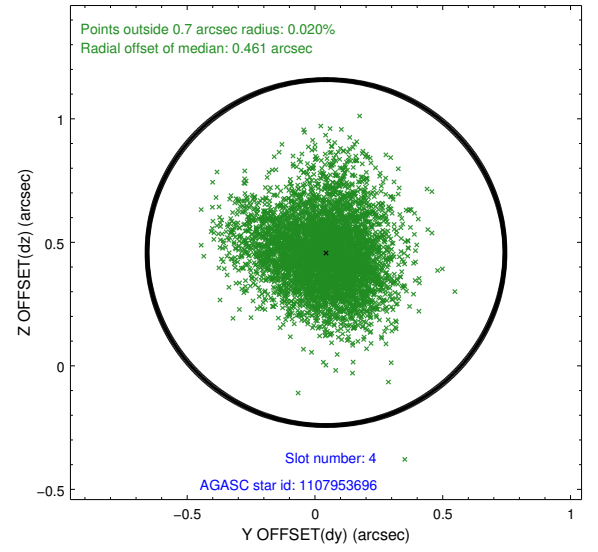
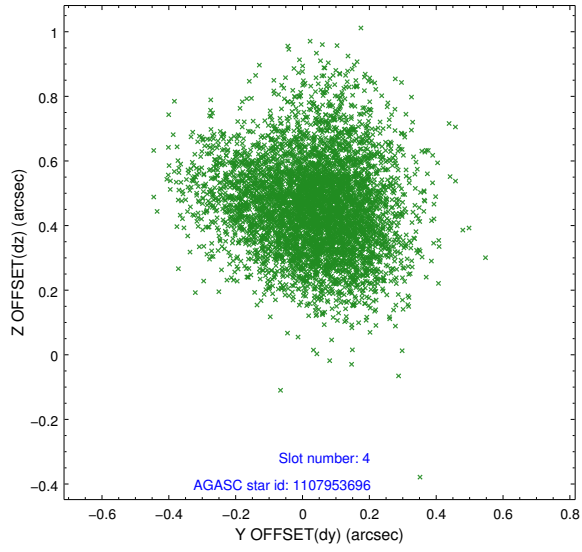
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2476	1.000	-0.327	-0.236	0.009	0.015	0.000000	0.000000	-768.93	-1743
1	FID		ACIS-S-4	7.22	2475	1.000	0.811	0.221	0.012	0.019	0.000000	0.000000	2145.20	165
2	FID		ACIS-S-5	7.18	2476	1.000	-0.513	0.024	0.011	0.016	0.000000	0.000000	-1821.34	159
3	GUIDE	used	1107952256	9.22	4948	1.000	-0.191	-0.251	0.229	0.338	342.747242	-50.823067	-1173.32	1323
4	GUIDE	used	1107953696	9.89	4936	1.000	0.043	0.459	0.215	0.358	341.814882	-50.676191	-1666.45	-807
5	GUIDE	used	1107953712	6.96	4952	1.000	-0.126	-0.302	0.091	0.148	342.016904	-51.512669	1333.85	-286
6	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0
7	GUIDE	used	1107955720	9.15	4940	1.000	0.303	0.075	0.204	0.310	341.254902	-51.203449	265.47	-2027

2.4 Star Slots

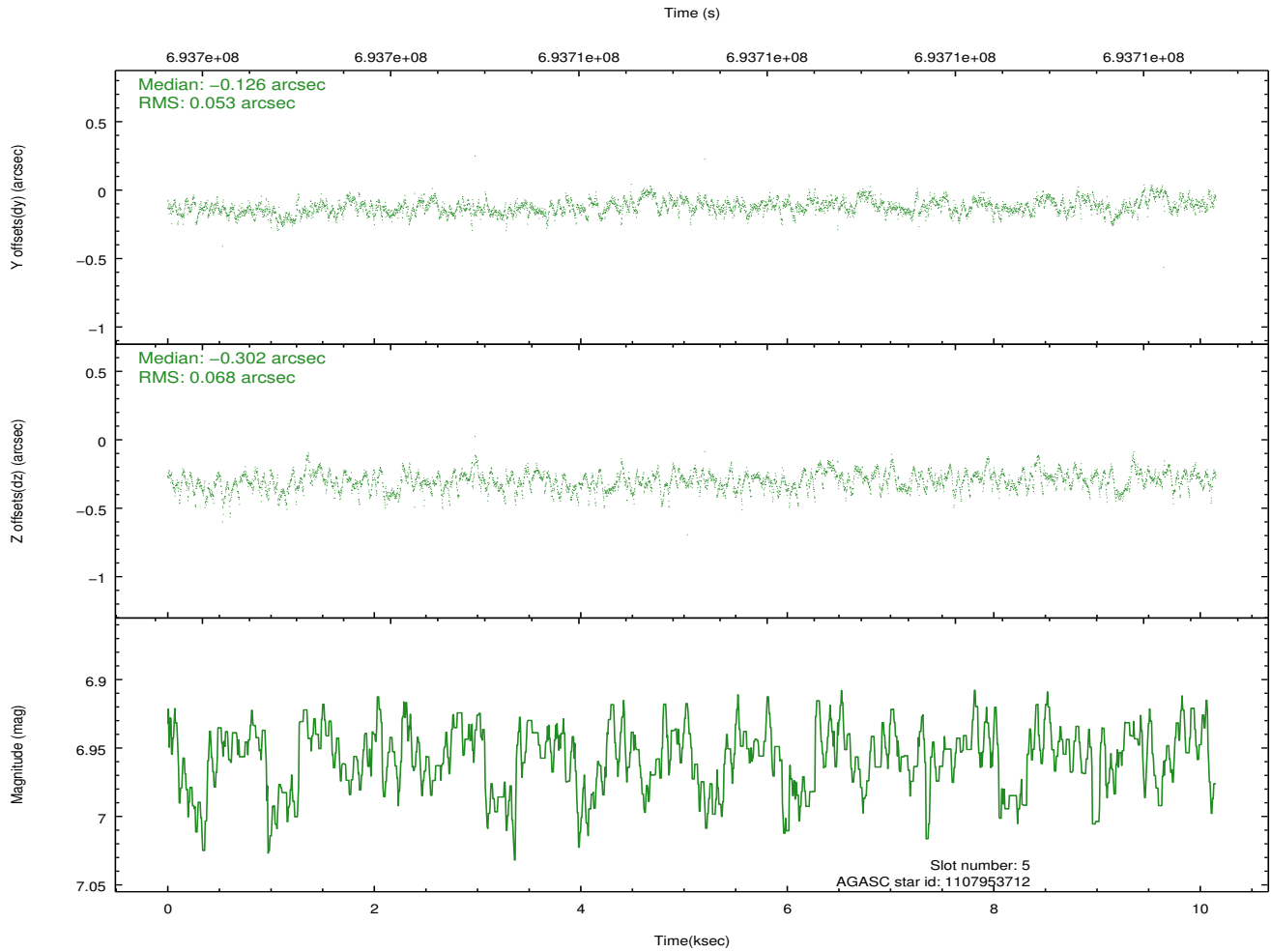
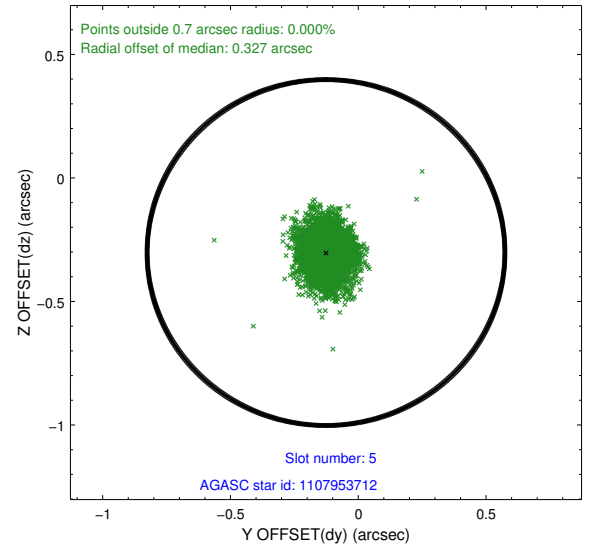
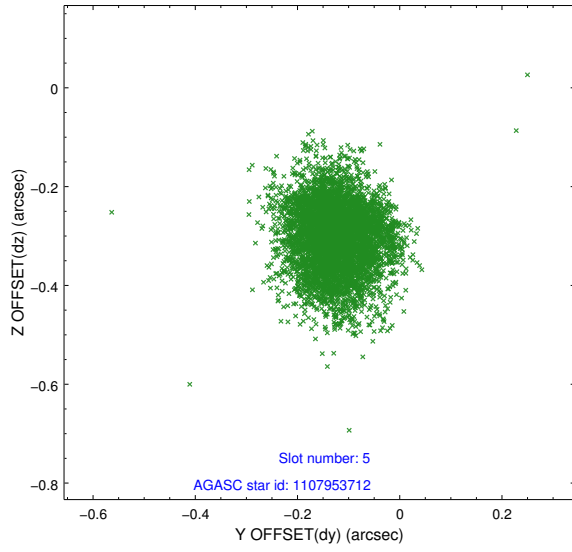
2.4.1 Slot 3



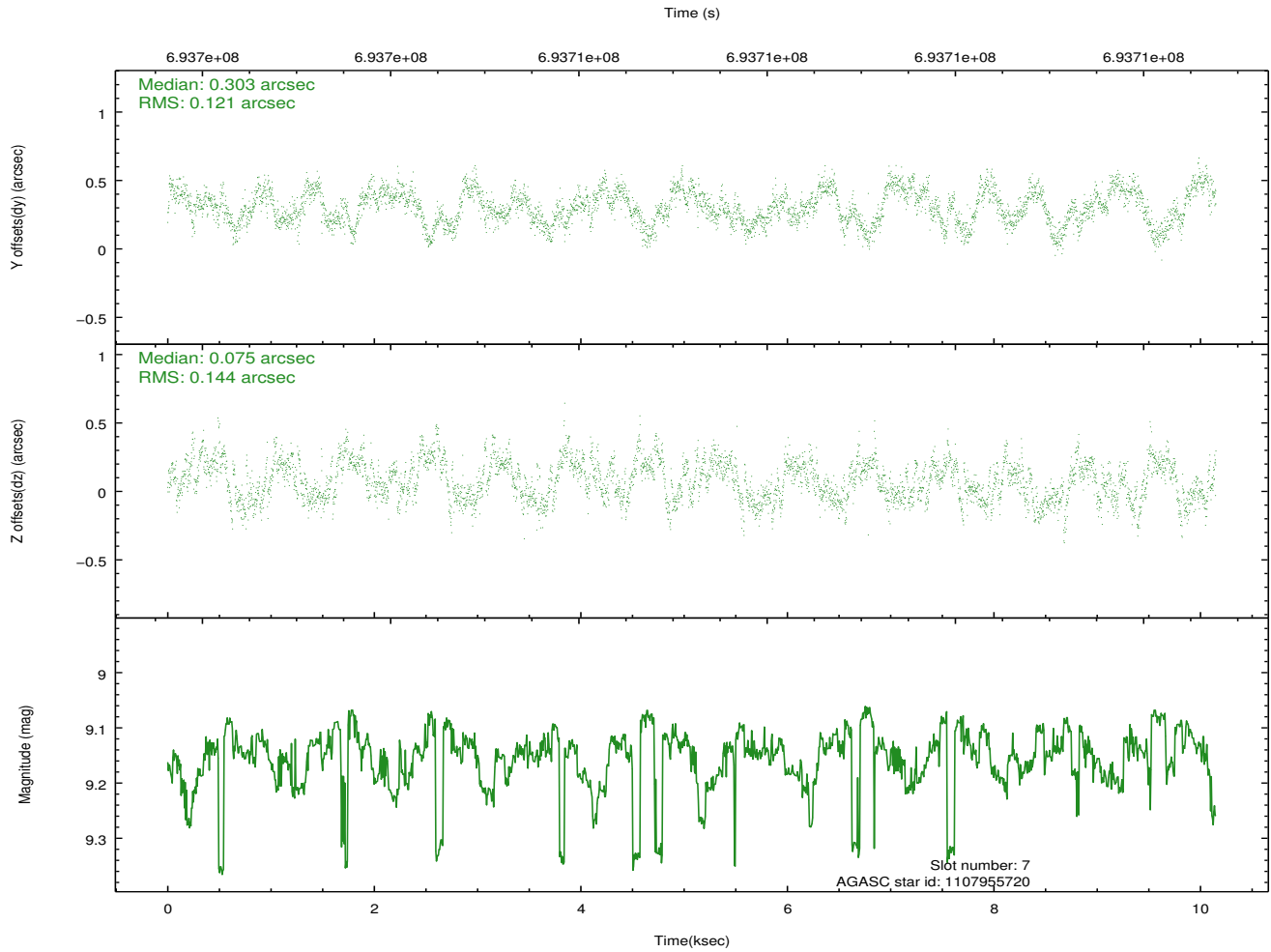
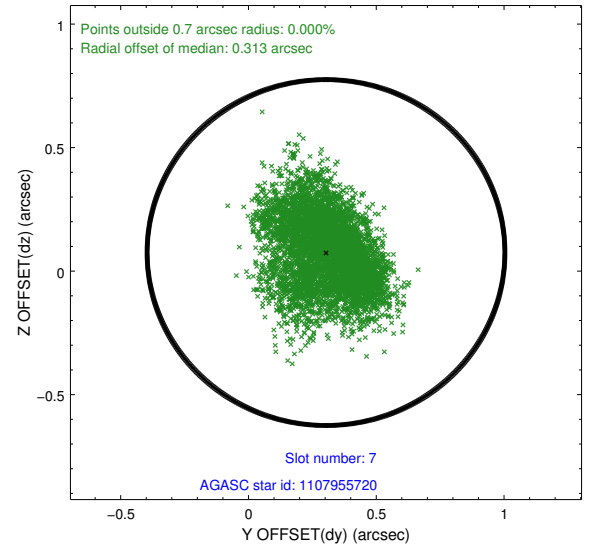
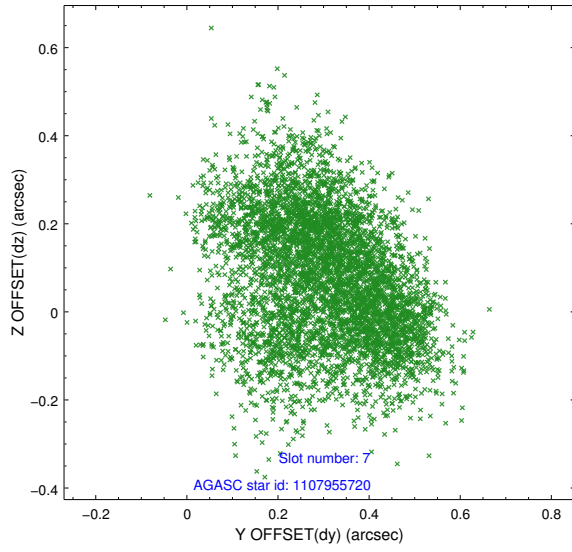
2.4.2 Slot 4



2.4.3 Slot 5

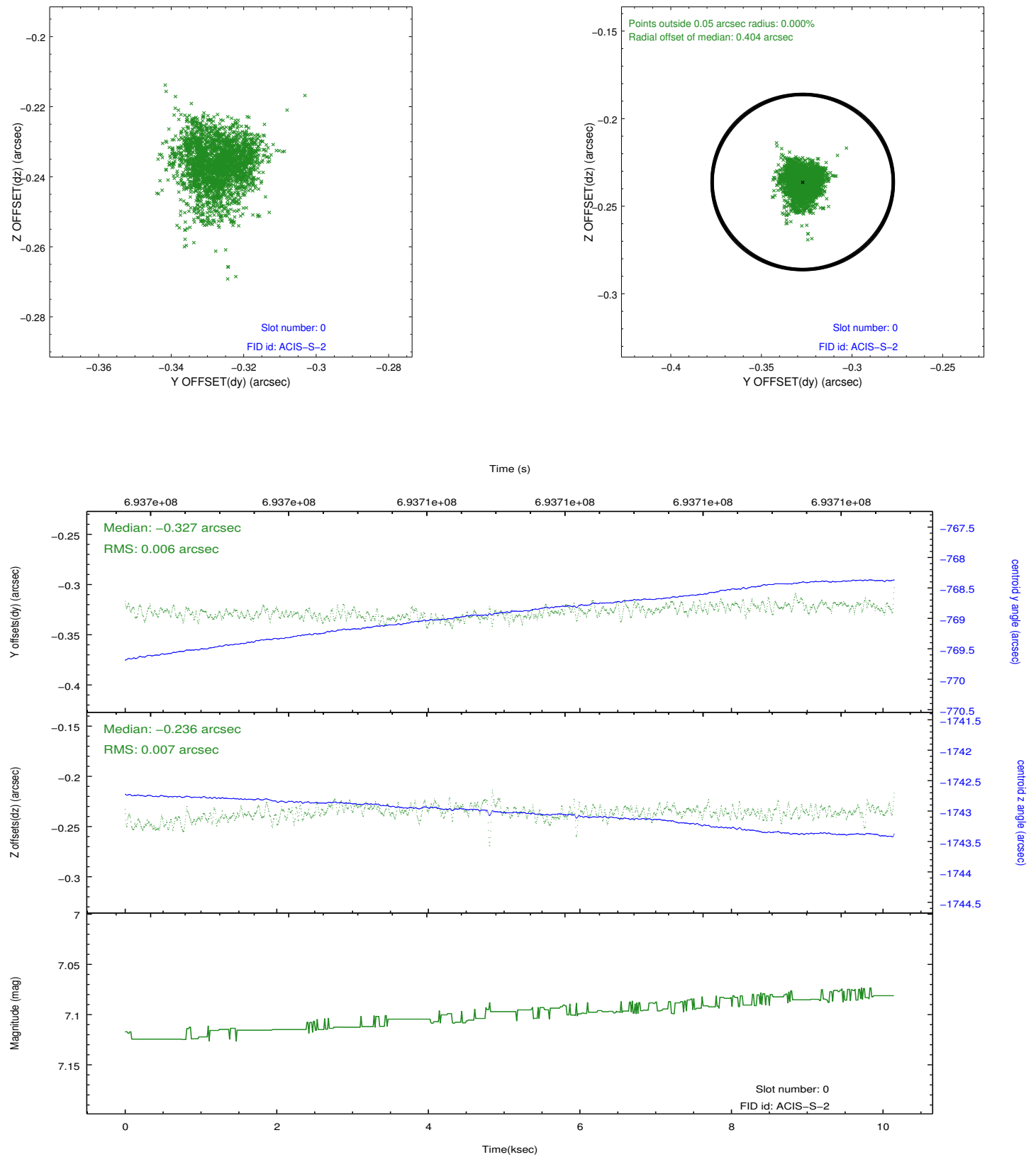


2.4.4 Slot 7

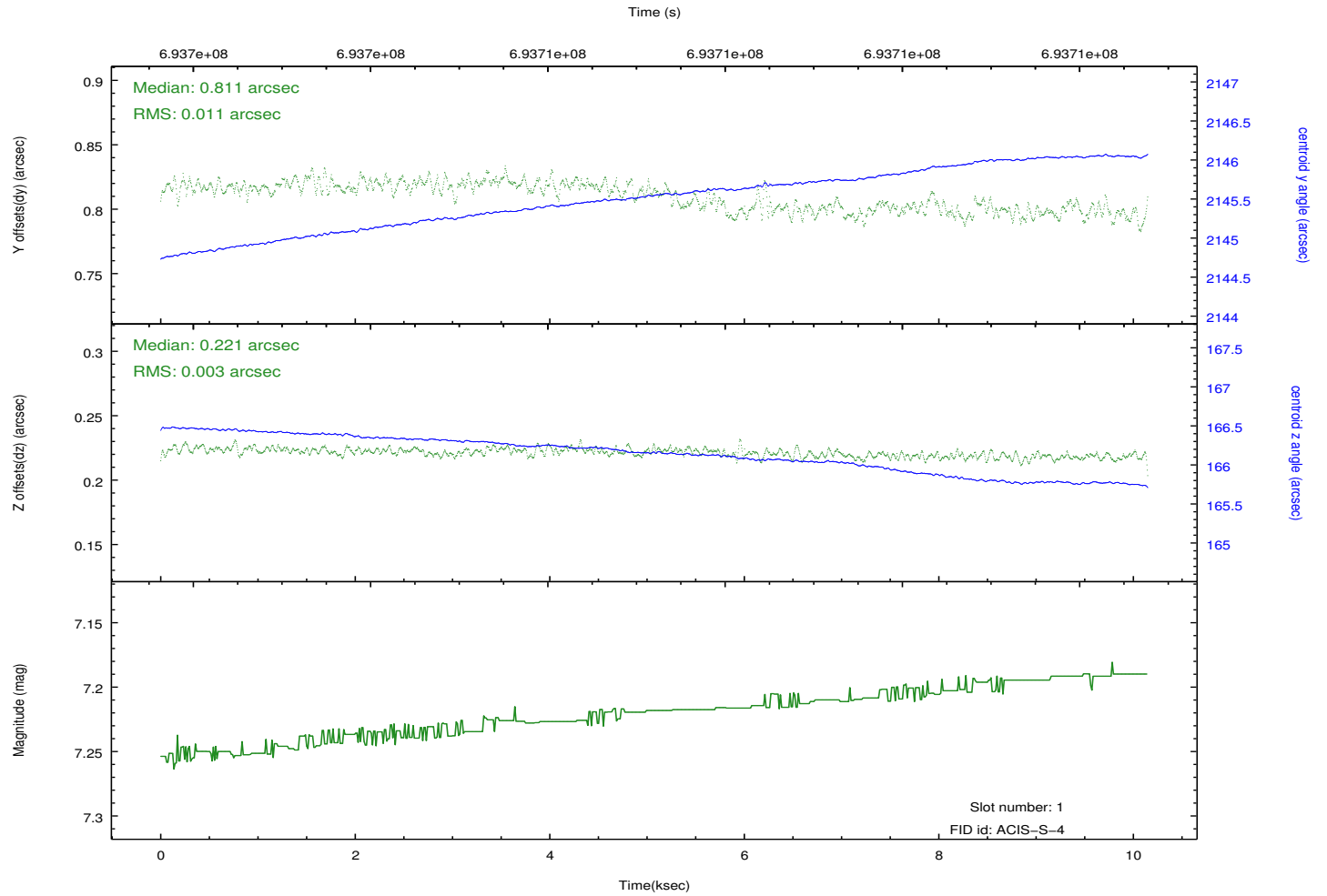
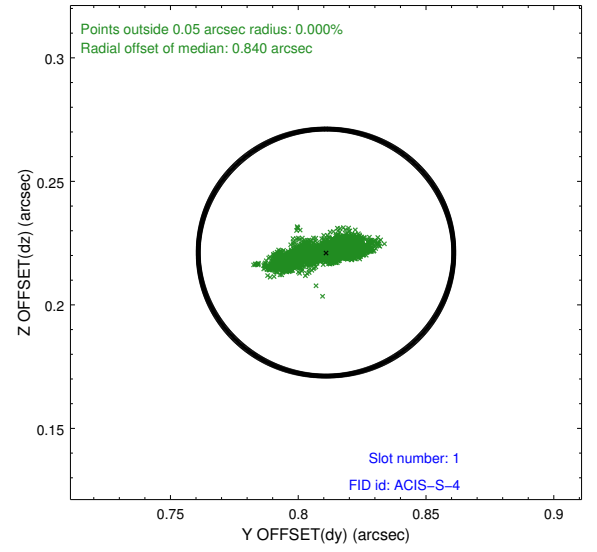
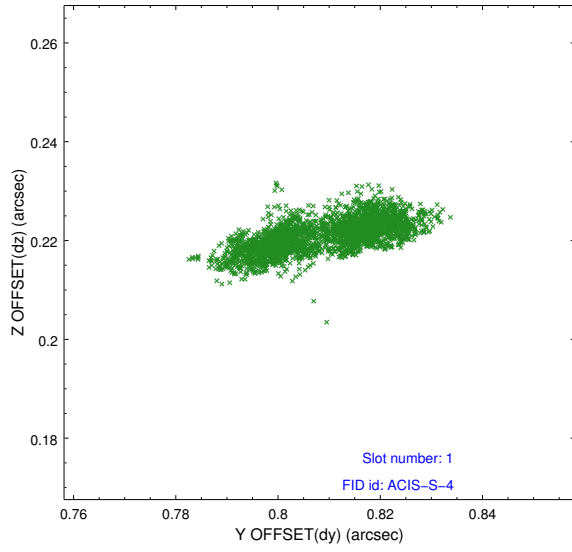


2.5 FID Slots

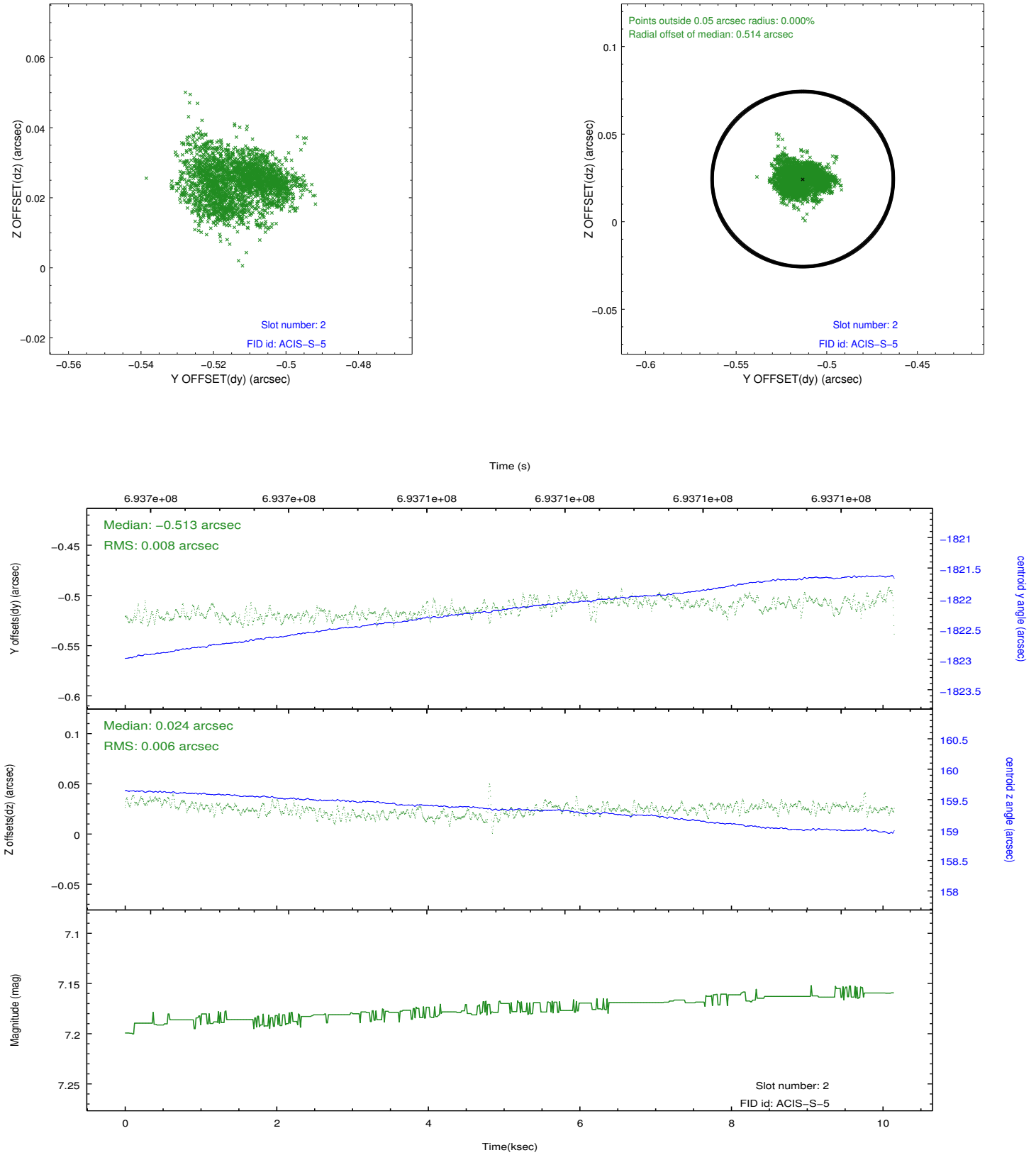
2.5.1 Slot 0



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)	2019.12.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.069952492118

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.