

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19990 - L2 Version 2
Chandra X-Ray Center

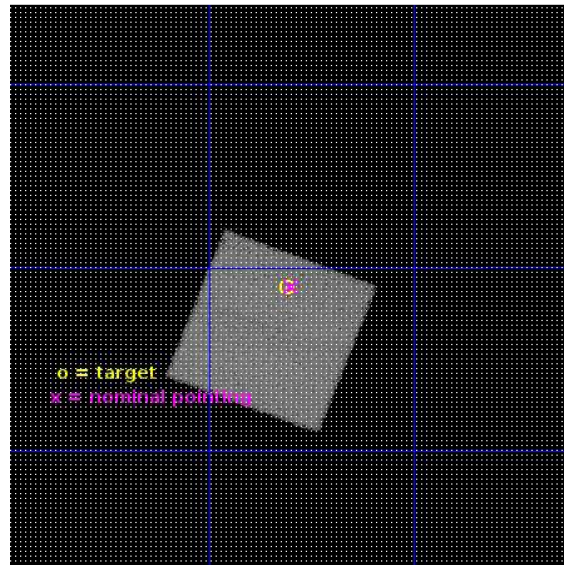
L2 Processing Date : Feb 28 2017

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 5	10
2.4.3	Slot 7	11
2.5	FID Slots	12
2.5.1	Slot 0	12
2.5.2	Slot 1	13
2.5.3	Slot 2	14
A	Summary	15
A.1	Status	15
A.2	Comments	15

1 Front

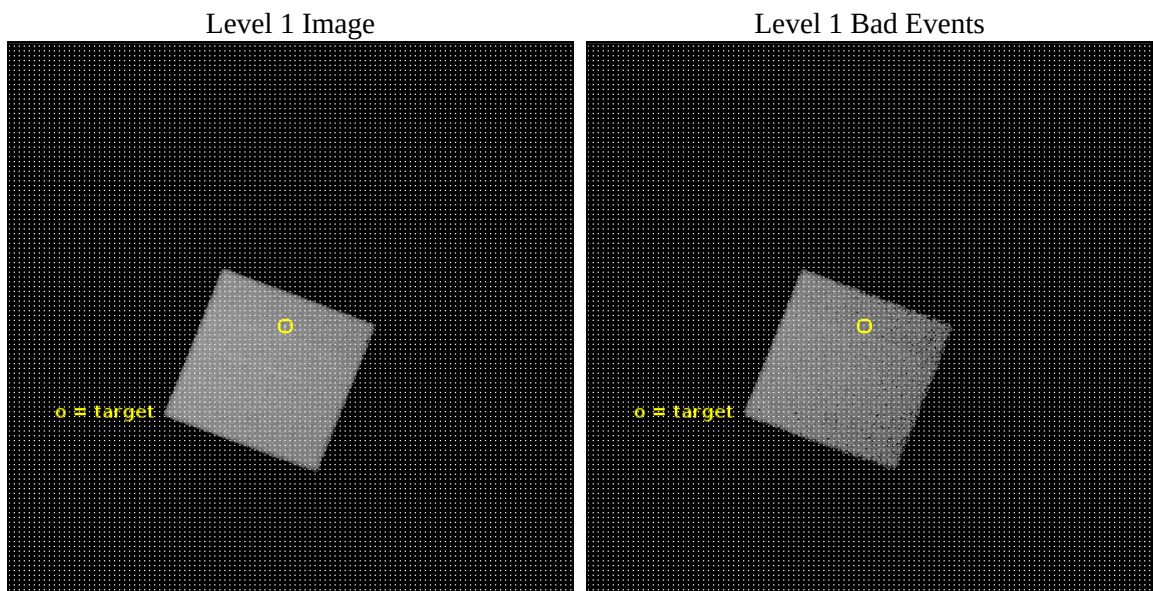
seq_num	703464	Sequence number
obs_id	19990	Observation id
title	Testing a new method for the identification of dual AGN	Proposal t
observer	Nathan Secrest	Principal investigator
object	SDSS J140737.16+442856.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	211.905	Observer's specified target RA [deg]
dec_targ	44.482278	Observer's specified target Dec [deg]
ra_nom	211.89953437389	Nominal RA [deg]
dec_nom	44.48293077269	Nominal Dec [deg]
roll_nom	111.07514945837	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30090.0	Sum of GTIs [s]
livetime	29683.923920764	Livetime [s]
ontime7	30090.0	Sum of GTIs [s]
l2events	114151	Number of level 2 events



2 OBI

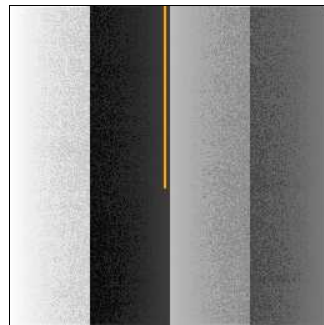
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	30090.0	Sum of GTIs [s]
caldsver	4.7.3	 	ontime7	30090.0	Sum of GTIs [s]
date	2017-02-28T19:04:34	Date and time of file creation	l1events	269182	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	269182
rejected events	151966
rejected %	56%

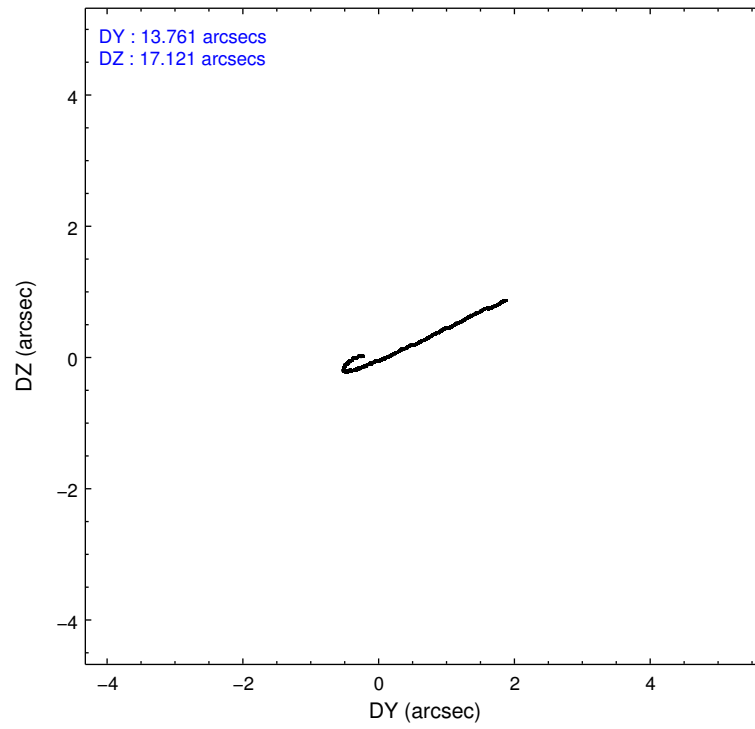
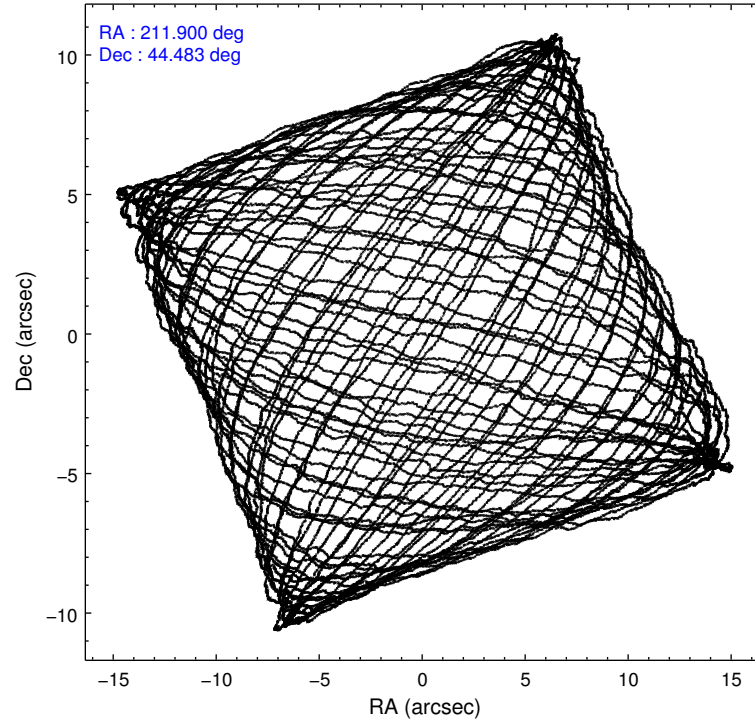
	ccd 7
grade 0 events	9551
	3%
grade 1 events	319
	0%
grade 2 events	25106
	9%
grade 3 events	8888
	3%
grade 4 events	8803
	3%
grade 5 events	25736
	9%
grade 6 events	64878
	24%
grade 7 events	125901
	46%

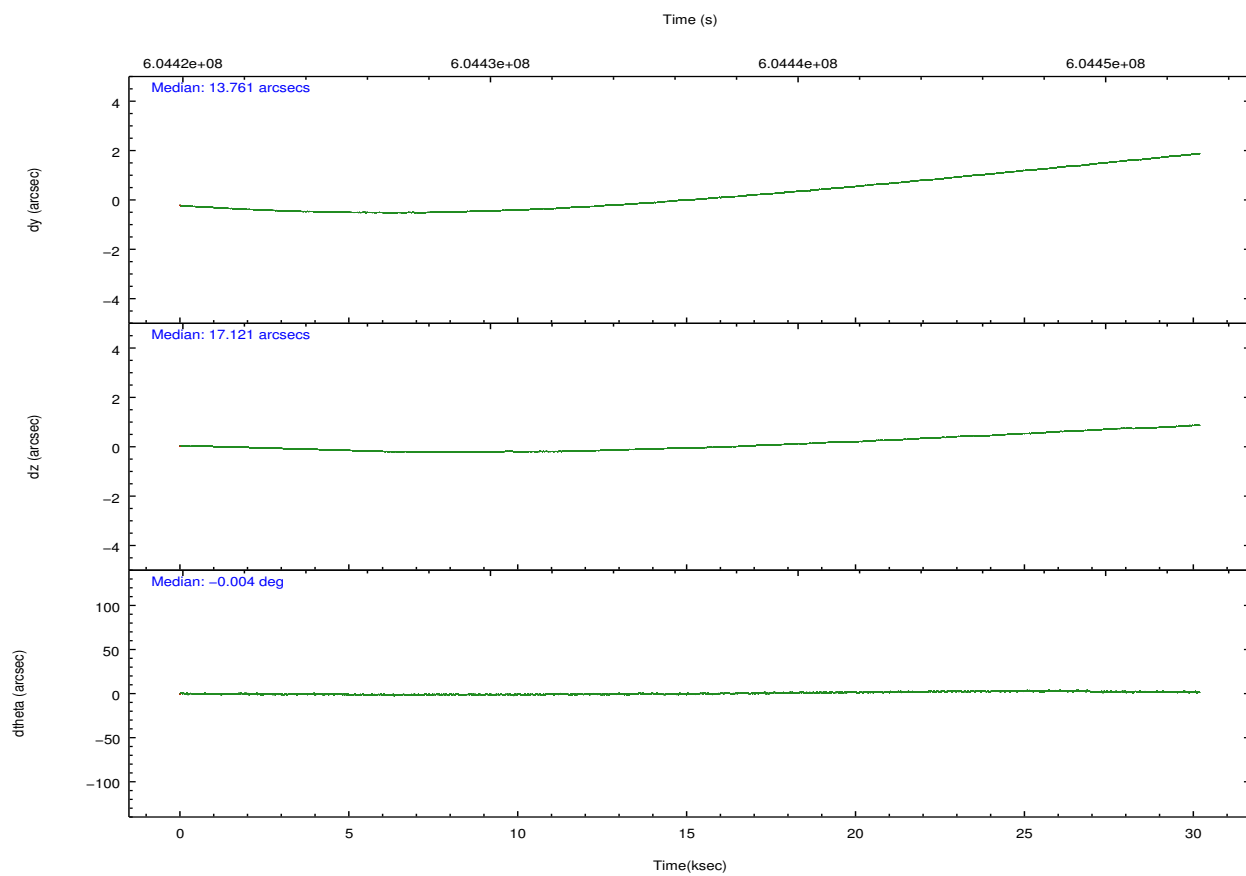
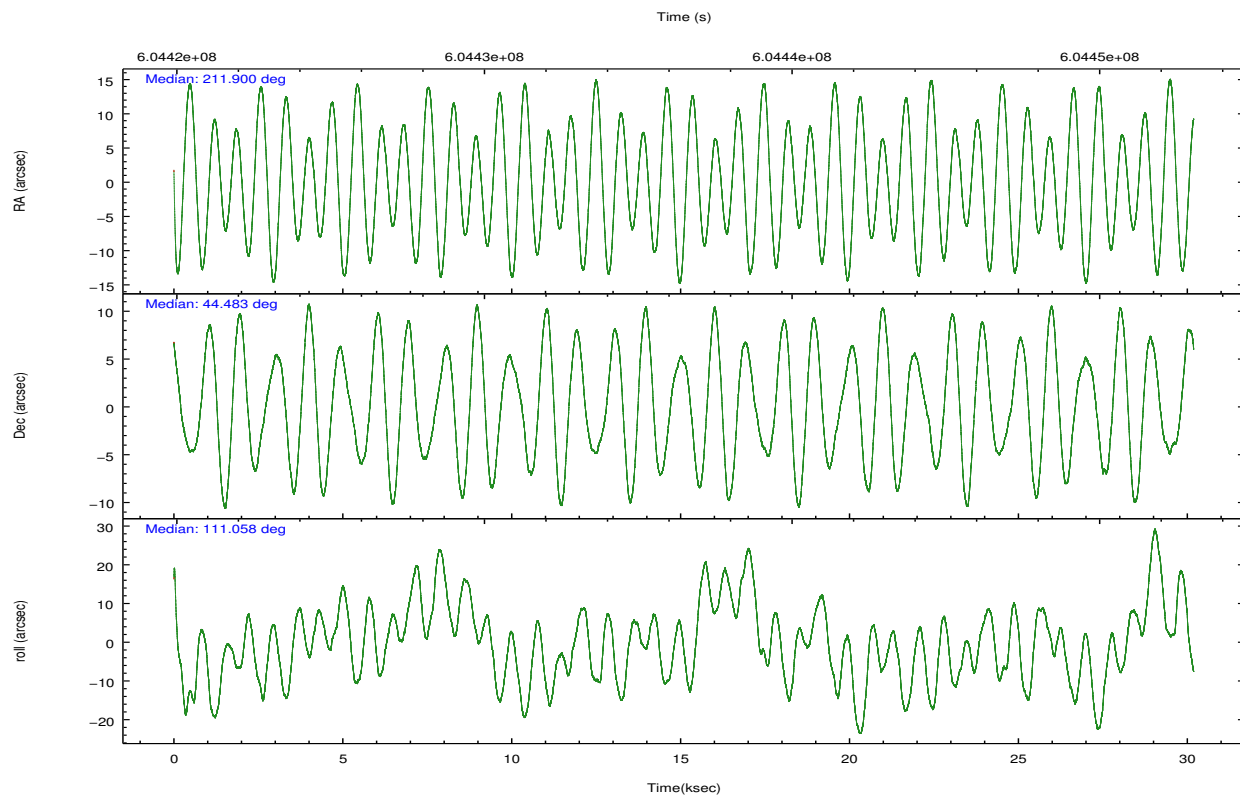
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	211.929788	211.8995343738912
[deg] Pointing Dec	44.465957	44.48293077269039
[deg] Pointing Roll	110.897305	111.0751494583701
[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)	604421574.184000	604420705.5166399
Observation start date	2017-02-25T14:51:45	2017-02-25T14:38:25
[s] Observation end time (MET)	604451574.184000	604452092.5559601
Observation end date	2017-02-25T23:11:45	2017-02-25T23:21:32
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3

2.3 Aspect



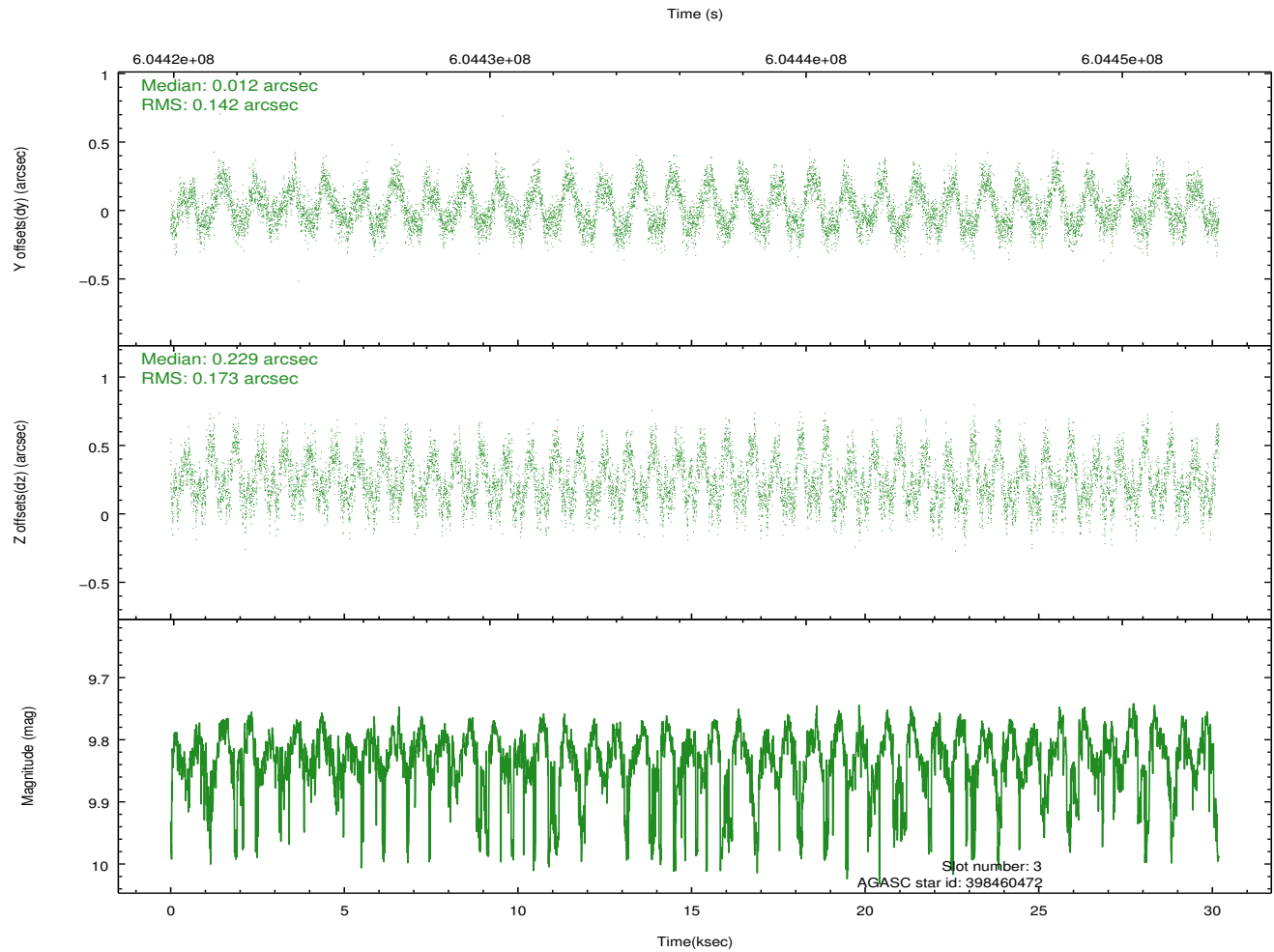
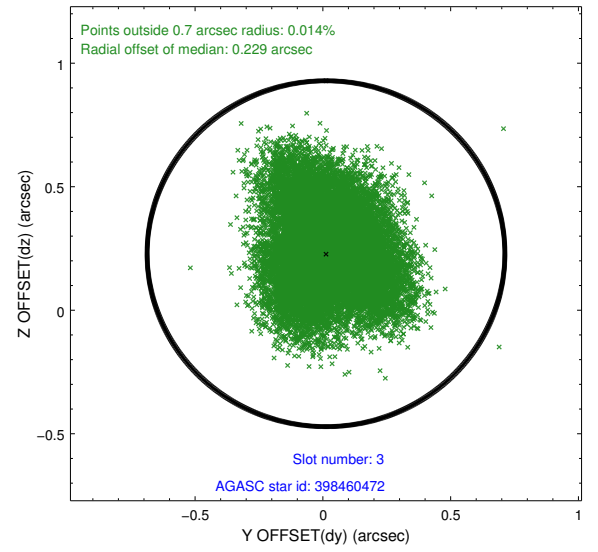
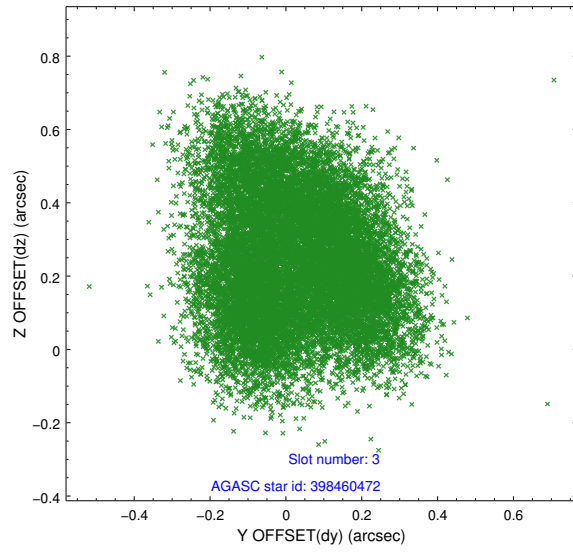


Slot Statistics

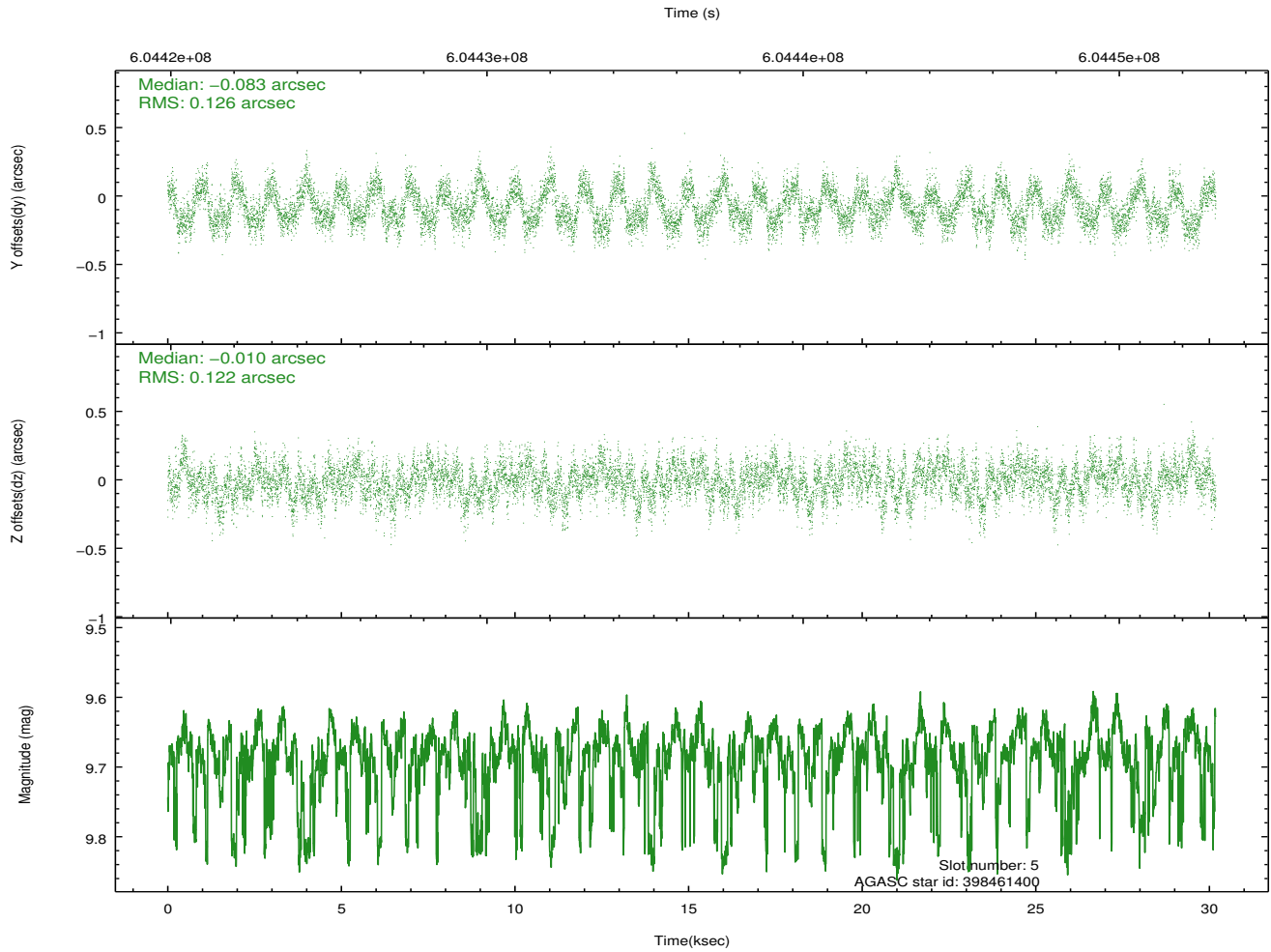
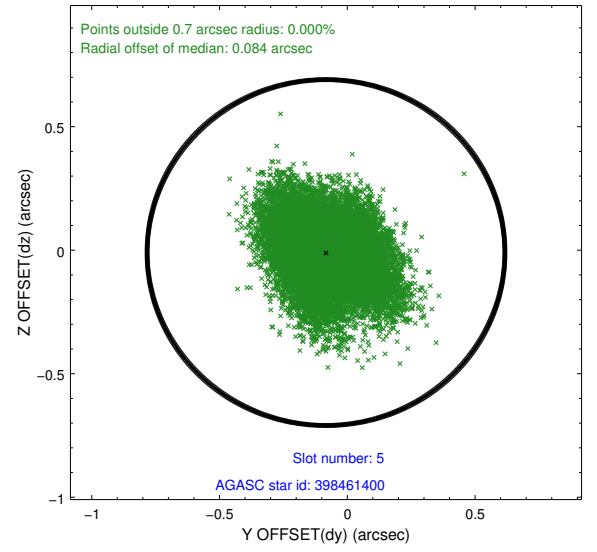
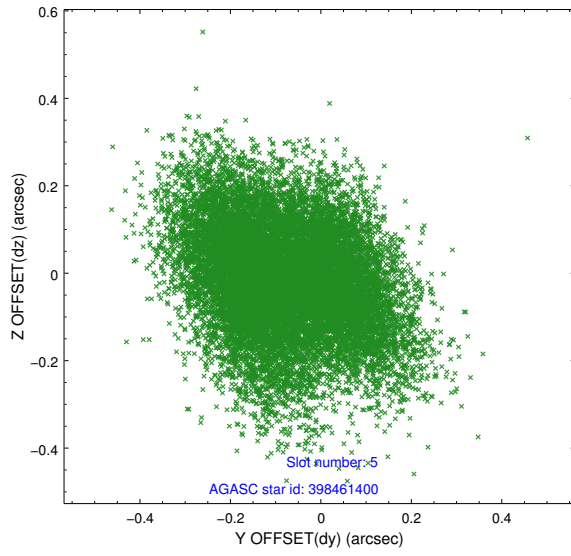
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	7364	-0.141	-0.108	0.022	0.047	0.000000	0.000000	-767.12	-1738.80
1	FID		ACIS-S-4	7.22	7364	0.438	0.096	0.022	0.032	0.000000	0.000000	2146.71	169.81
2	FID		ACIS-S-5	7.22	7364	-0.323	0.019	0.010	0.025	0.000000	0.000000	-1820.04	163.49
3	GUIDE	used	398460472	9.83	14697	0.012	0.229	0.242	0.371	212.554637	44.251422	-1289.99	-1231.09
4	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
5	GUIDE	used	398461400	9.68	14713	-0.083	-0.010	0.188	0.300	211.674279	44.256175	-469.89	884.54
6	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	used	398462840	9.14	14706	0.056	-0.214	0.208	0.353	211.367156	43.895513	-1393.80	2094.49

2.4 Star Slots

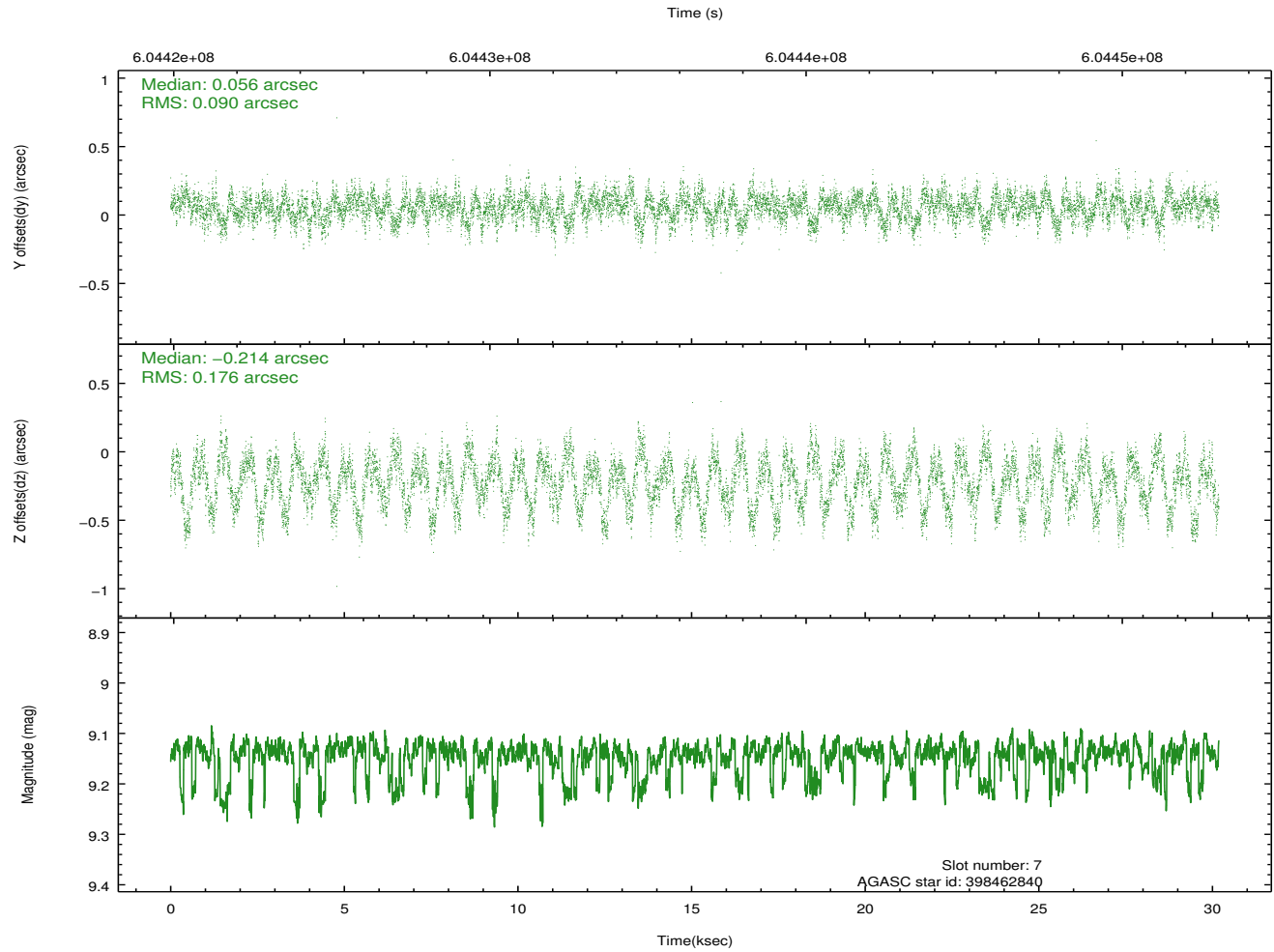
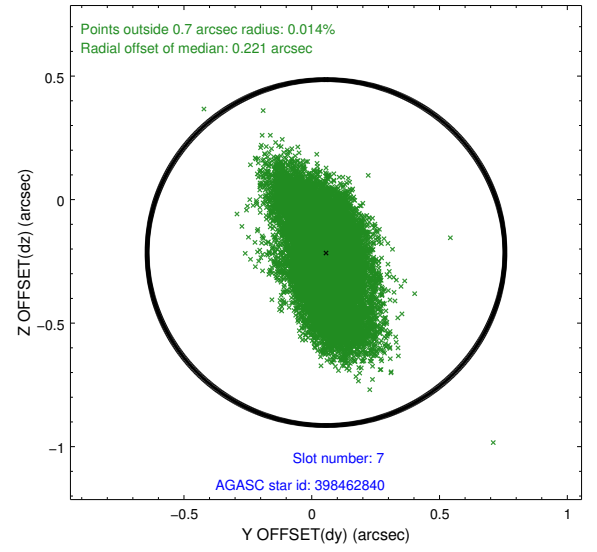
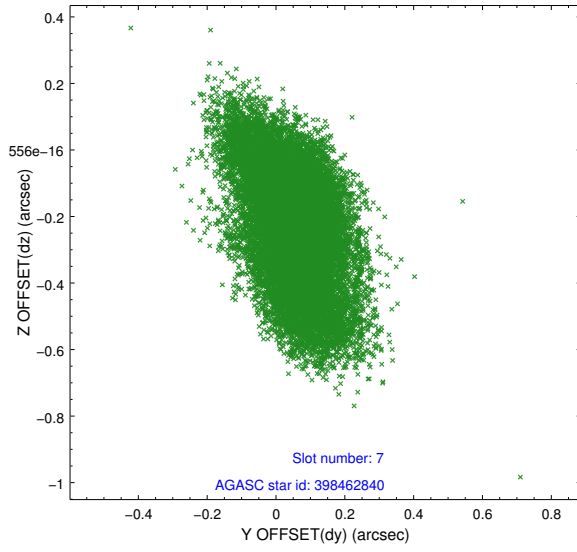
2.4.1 Slot 3



2.4.2 Slot 5

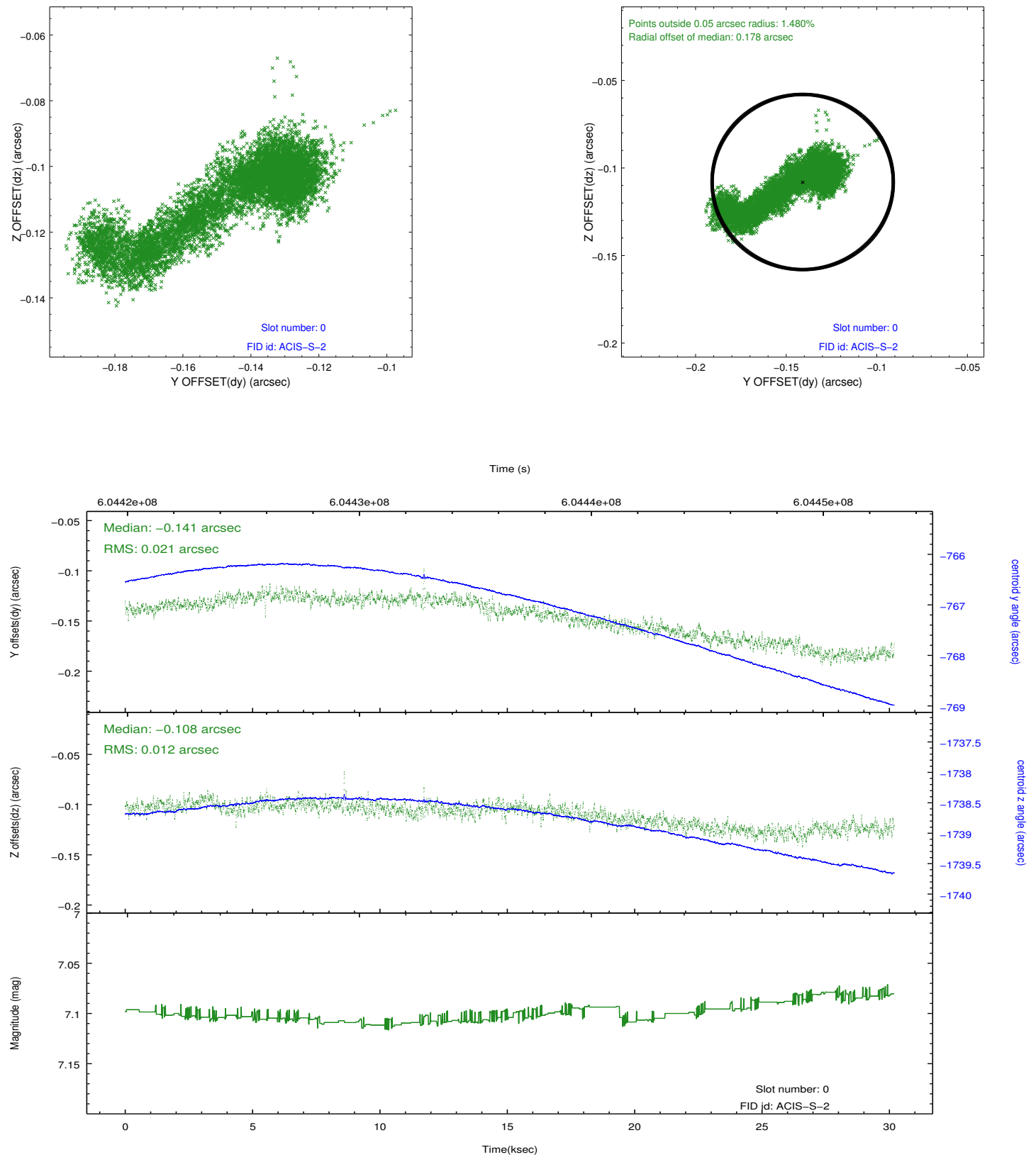


2.4.3 Slot 7

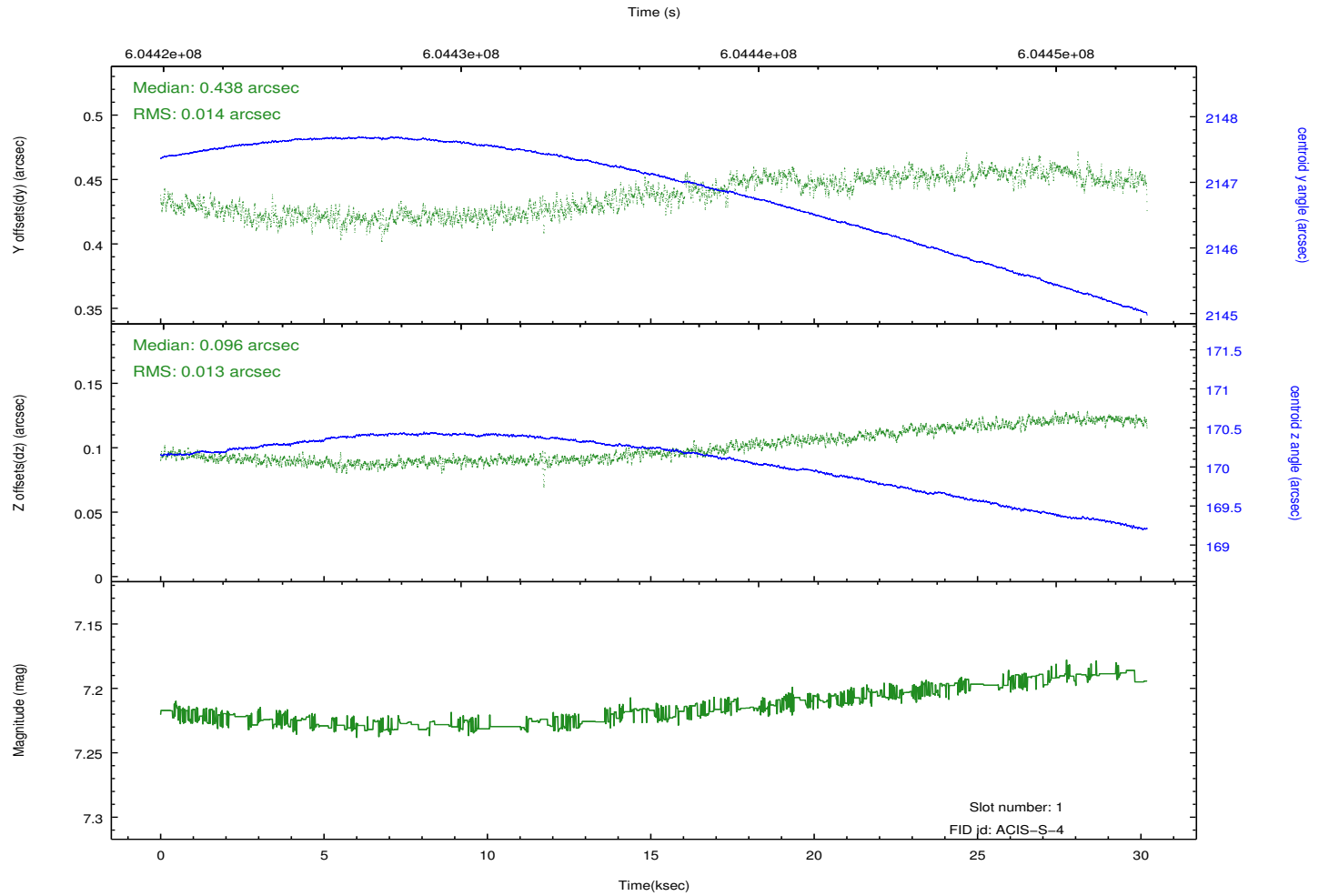
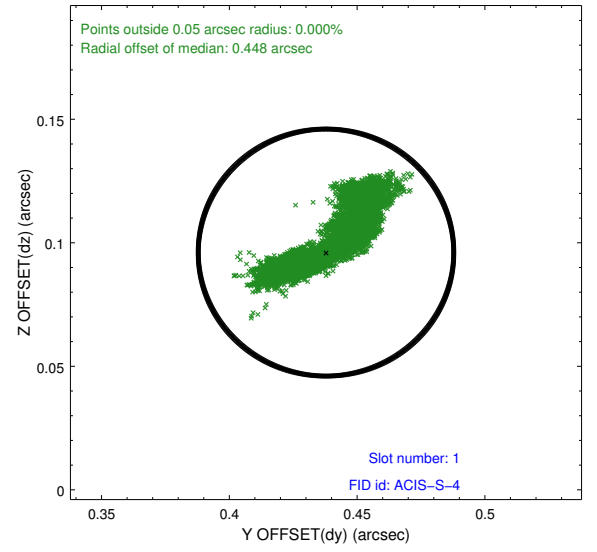
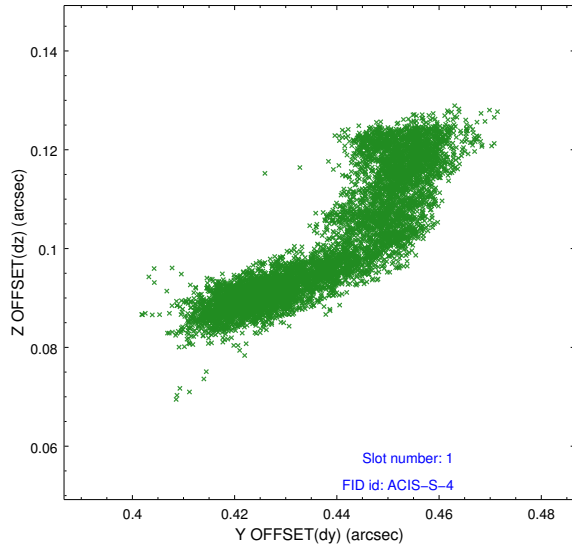


2.5 FID Slots

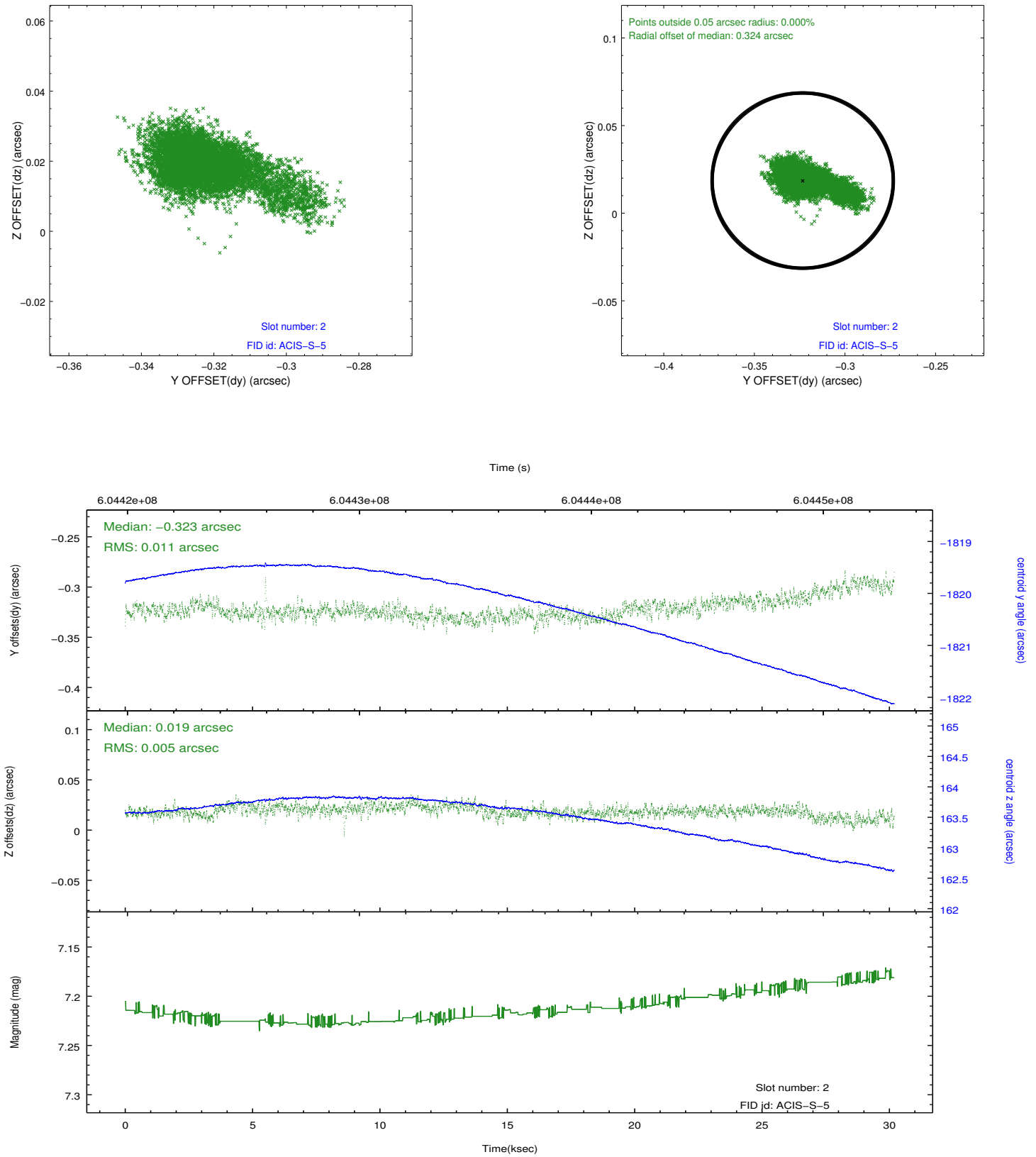
2.5.1 Slot 0



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)	2017.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.09

A.2 Comments

The guide stars in slots 4 and 6 were removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of these slots from the solution.