

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21149 - L2 Version 1
Chandra X-Ray Center

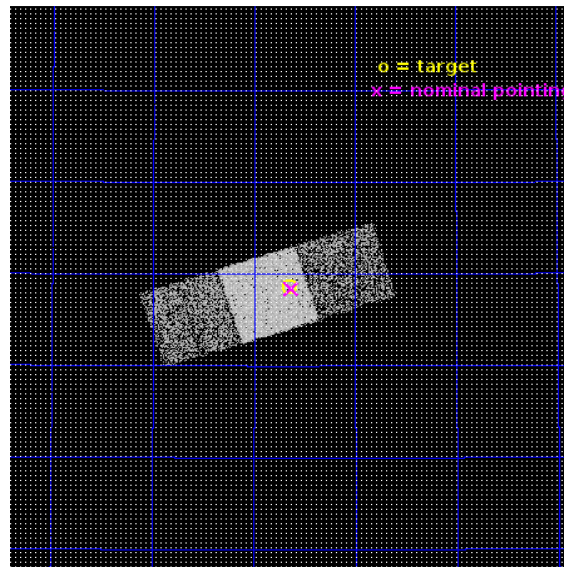
L2 Processing Date : Jan 18 2019

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1 Front

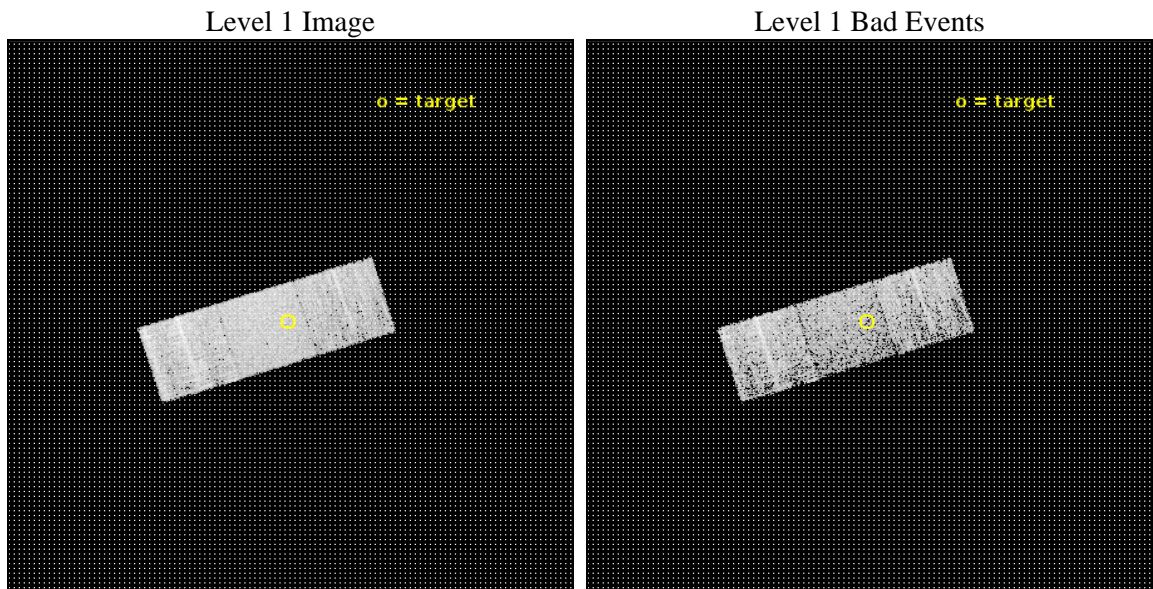
seq_num	703689	Sequence number
obs_id	21149	Observation id
title	A Chandra view of Eddington-limited accretion in DOGs	Proposal tit
observer	Dr. Gordon Garmire	Principal investigator
object	J0833+4508	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.410833	Observer's specified target RA [deg]
dec_targ	45.142667	Observer's specified target Dec [deg]
ra_nom	128.40749561404	Nominal RA [deg]
dec_nom	45.139987958531	Nominal Dec [deg]
roll_nom	162.2287839932	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3704.5000286102	Sum of GTIs [s]
livetime	3656.0980085232	Livetime [s]
ontime6	3704.5000286102	Sum of GTIs [s]
ontime7	3704.5000286102	Sum of GTIs [s]
ontime8	3704.5000286102	Sum of GTIs [s]
l2events	21714	Number of level 2 events



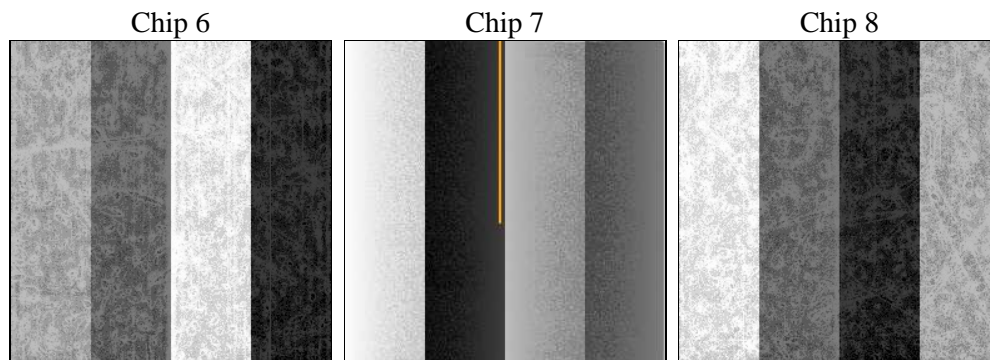
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3600.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	3704.5000286102	Sum of GTIs [s]
caldsver	4.8.2	 	ontime6	3704.5000286102	Sum of GTIs [s]
date	2019-01-19T03:04:41	Date and time of file creation	ontime7	3704.5000286102	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3704.5000286102	Sum of GTIs [s]
			l1events	100599	Number of level 1 events

2.1.4 Events

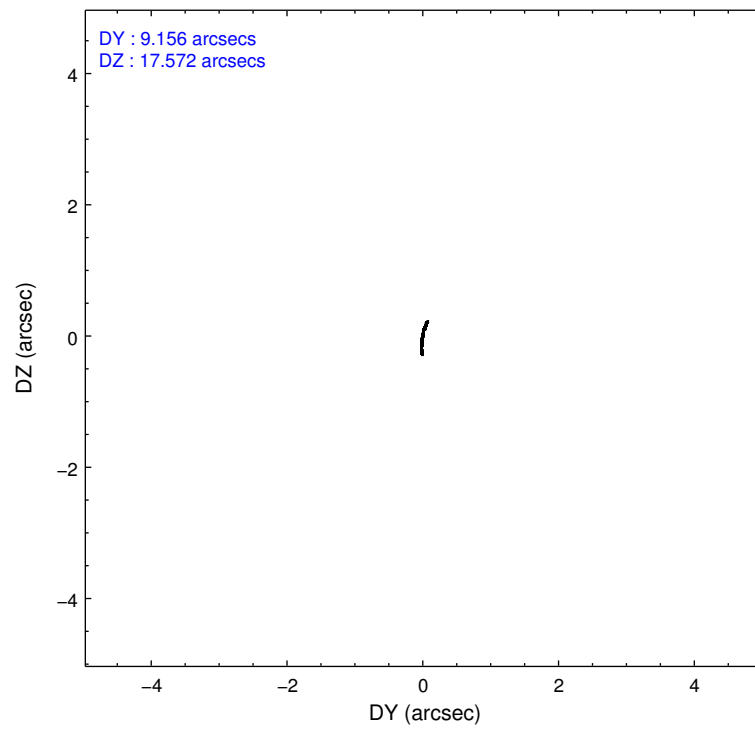
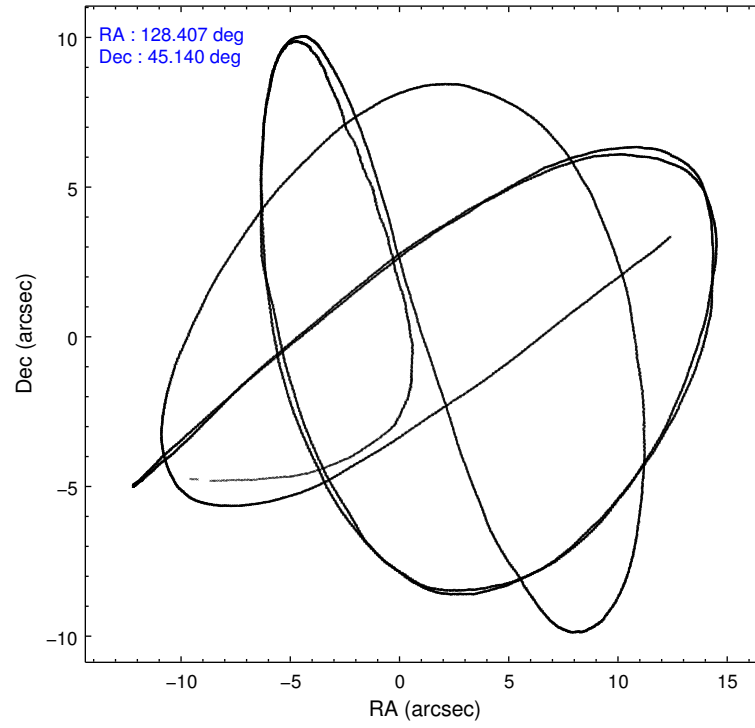
	ccd 6	ccd 7	ccd 8
level 1 events	27887	35432	37280
rejected events	24606	19687	27082
rejected %	88%	55%	72%

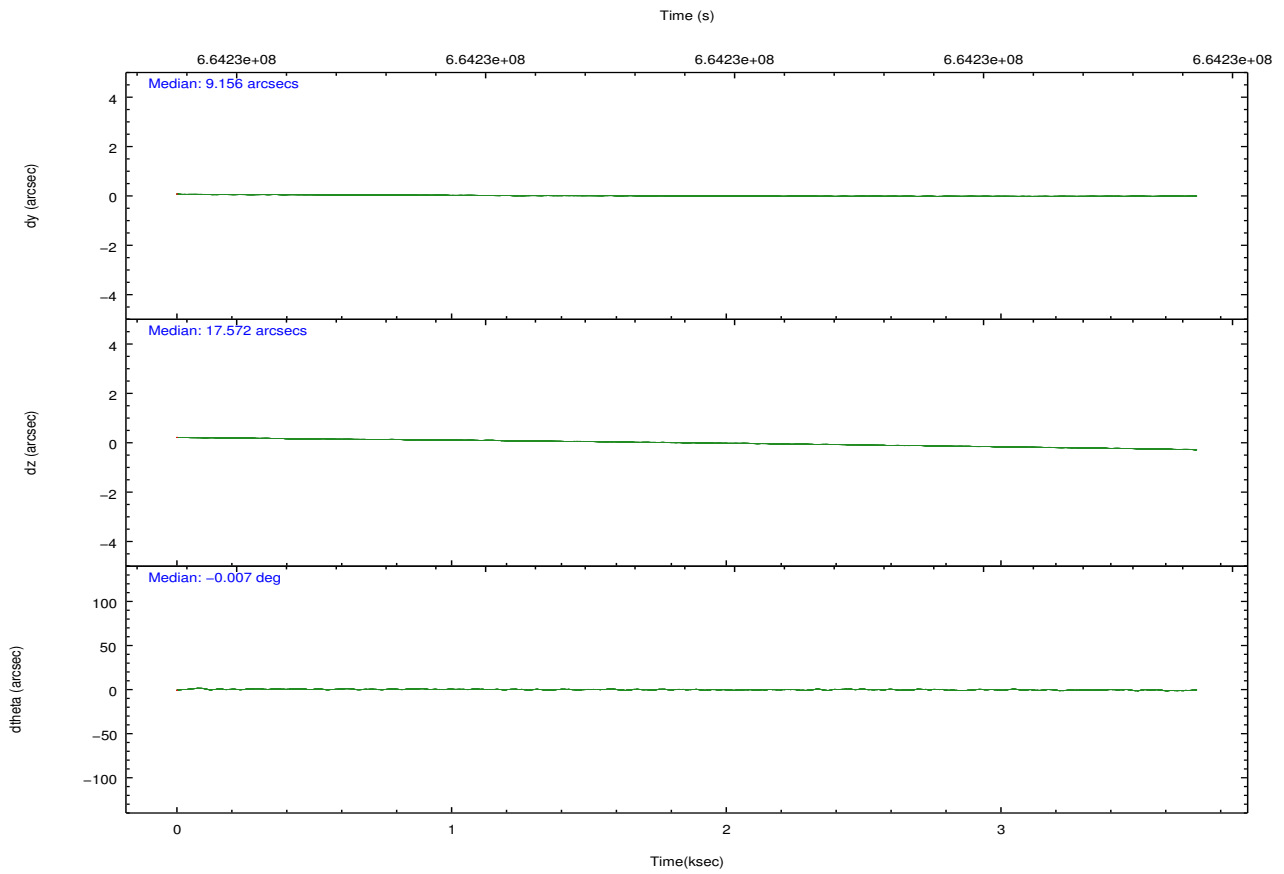
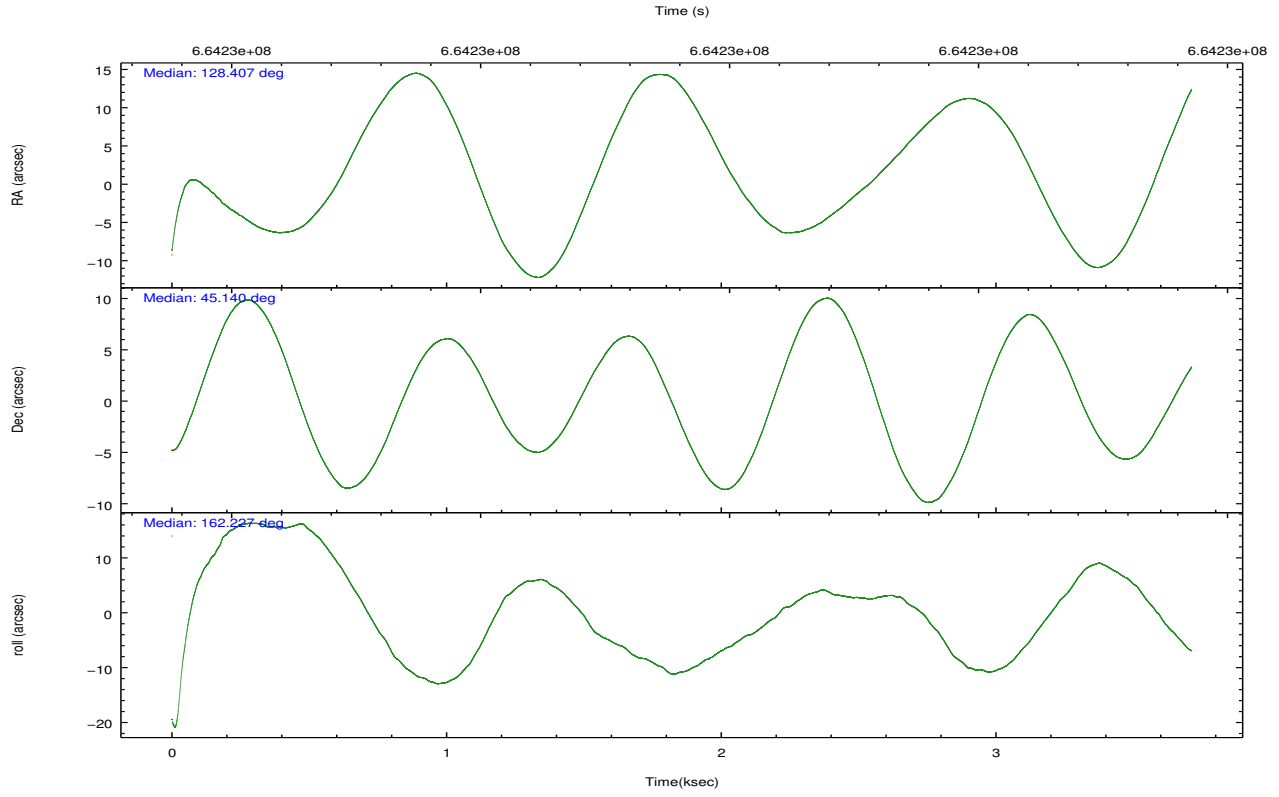
	ccd 6	ccd 7	ccd 8
grade 0 events	1046	1365	3147
	3%	3%	8%
grade 1 events	14	54	30
	0%	0%	0%
grade 2 events	807	3501	2362
	2%	9%	6%
grade 3 events	348	1252	1174
	1%	3%	3%
grade 4 events	351	1286	1061
	1%	3%	2%
grade 5 events	1252	3511	1965
	4%	9%	5%
grade 6 events	742	8395	2502
	2%	23%	6%
grade 7 events	23327	16068	25039
	83%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	128.445662	128.4074956140382	Subarray requested	NONE	NONE
[deg] Pointing Dec	45.146133	45.1399879585313	Alternating exposures requested	N	N
[deg] Pointing Roll	162.045229	162.2287839932004	[s] Primary exposure time	0.000000	3.1
[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)	664230063.184000	664228762.62914			
Observation start date	2019-01-18T20:19:54	2019-01-18T19:59:22			
[s] Observation end time (MET)	664233663.184000	664234057.26695			
Observation end date	2019-01-18T21:19:54	2019-01-18T21:27:37			
Read mode	TIMED	TIMED			

2.3 Aspect





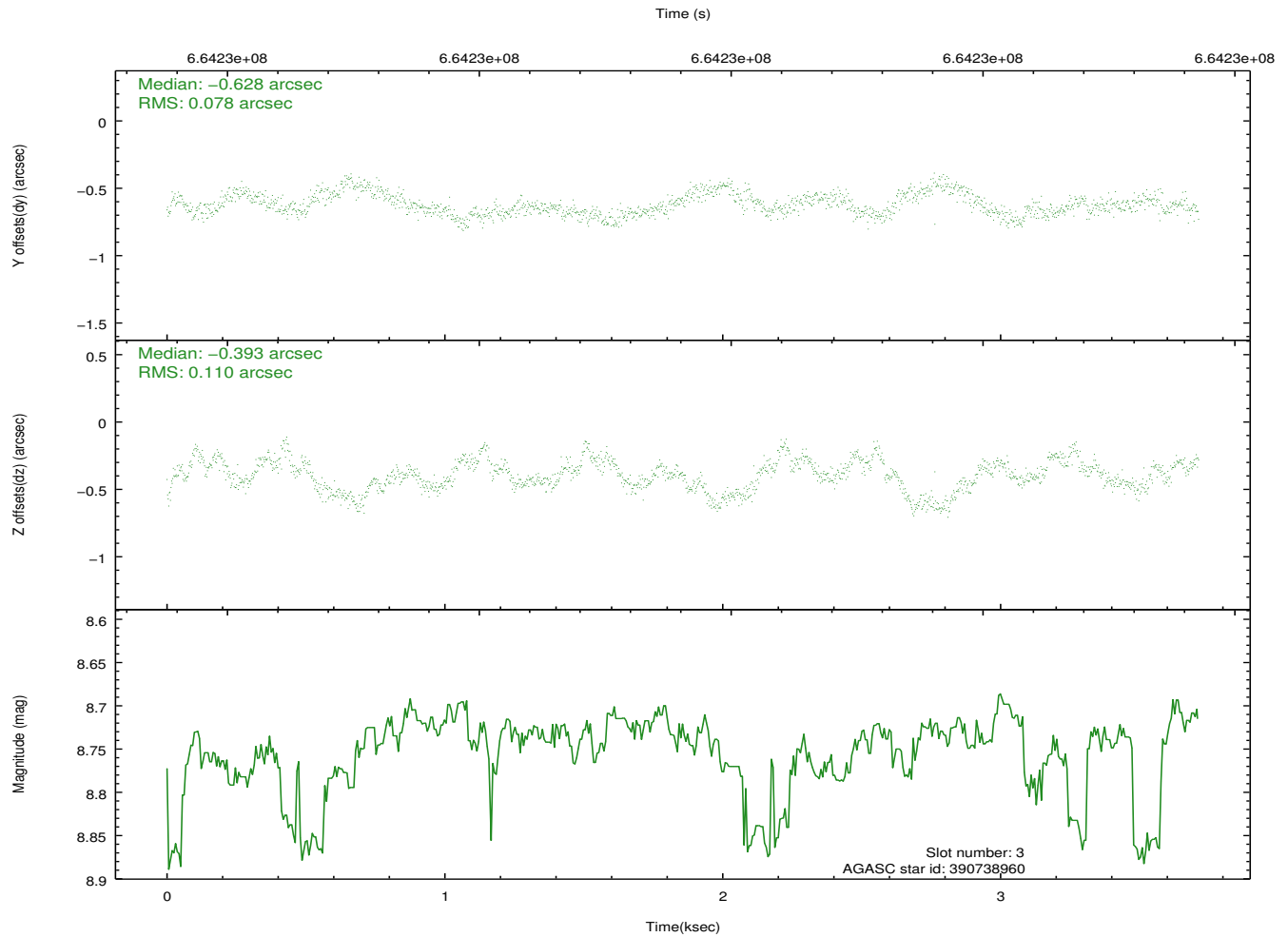
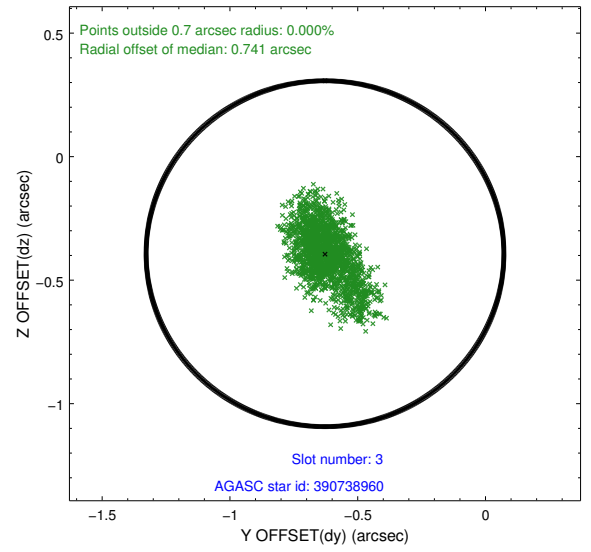
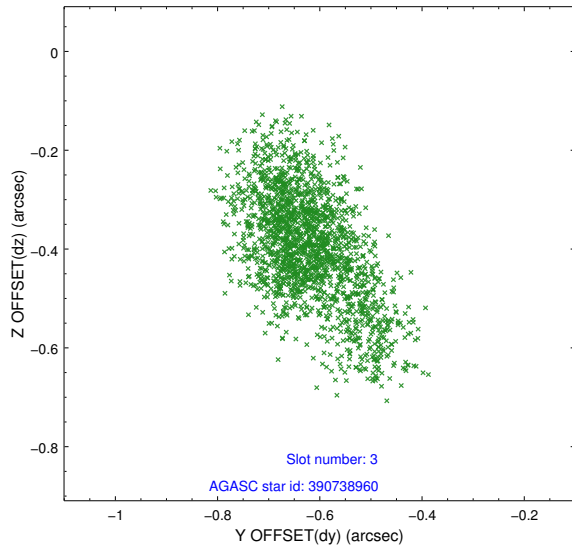
Slot Statistics

pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.03	906	1.000	0.022	-0.038	0.008	0.014	0.000000	0.000000	934.14	-1734
1	FID		ACIS-S-4	7.05	906	1.000	0.451	0.021	0.007	0.012	0.000000	0.000000	2152.85	167
2	FID		ACIS-S-5	7.04	906	1.000	-0.499	0.030	0.007	0.012	0.000000	0.000000	-1813.15	163
3	GUIDE	used	390738960	8.74	1810	1.000	-0.628	-0.393	0.139	0.253	127.410884	44.770829	2103.45	2084
4	GUIDE	used	447744512	9.28	1803	1.000	-0.167	-0.368	0.163	0.259	127.622462	45.114950	1958.66	742
5	GUIDE	used	447744544	9.02	1809	1.000	0.137	0.202	0.135	0.203	129.183991	45.042577	-1898.00	-231
6	GUIDE	used	447745680	8.05	1812	1.000	0.145	0.077	0.121	0.212	128.566161	45.196654	-235.62	-266
7	GUIDE	used	447755768	9.37	1807	1.000	0.530	0.490	0.225	0.368	129.280166	45.641961	-1444.32	-2355

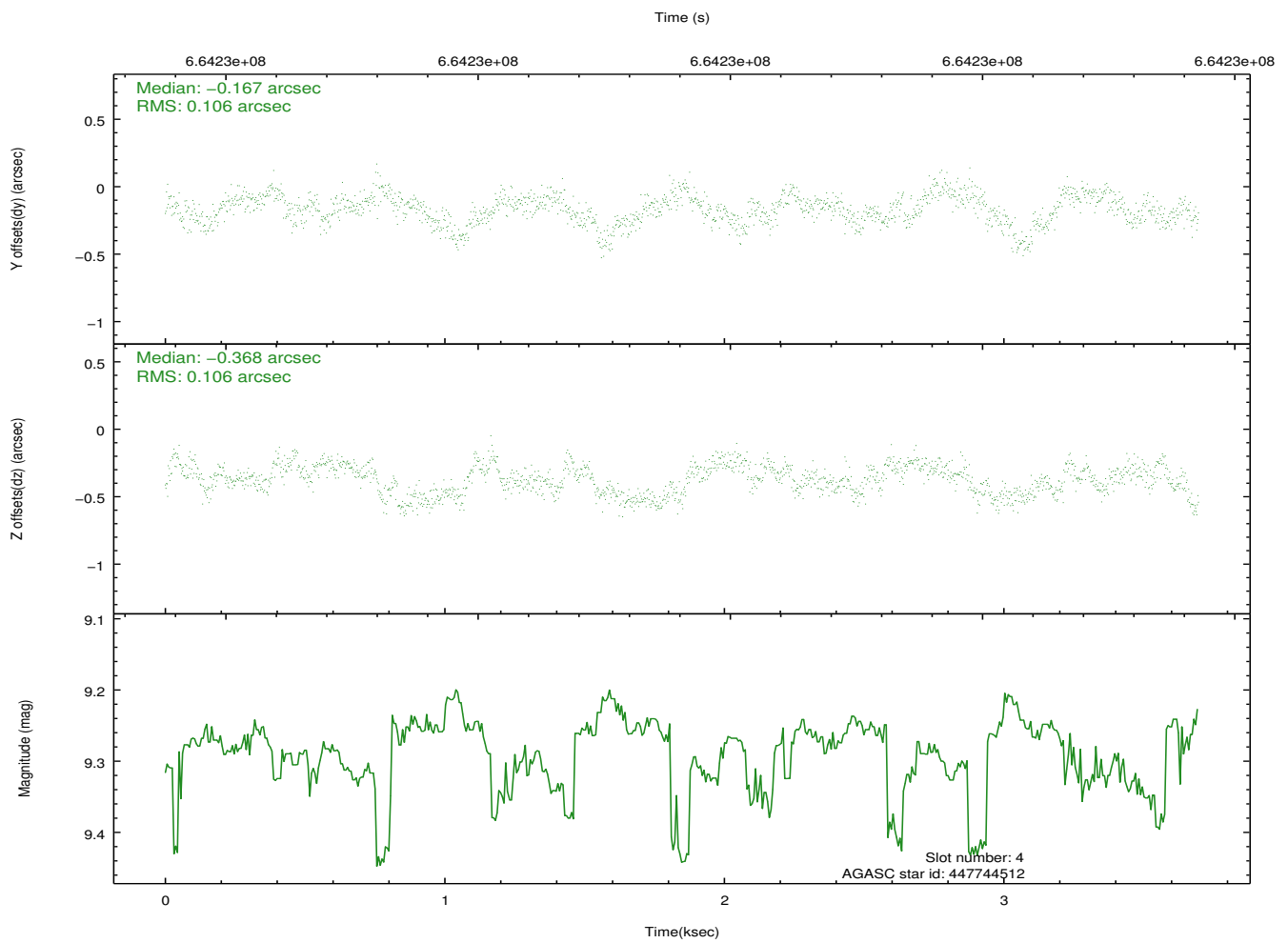
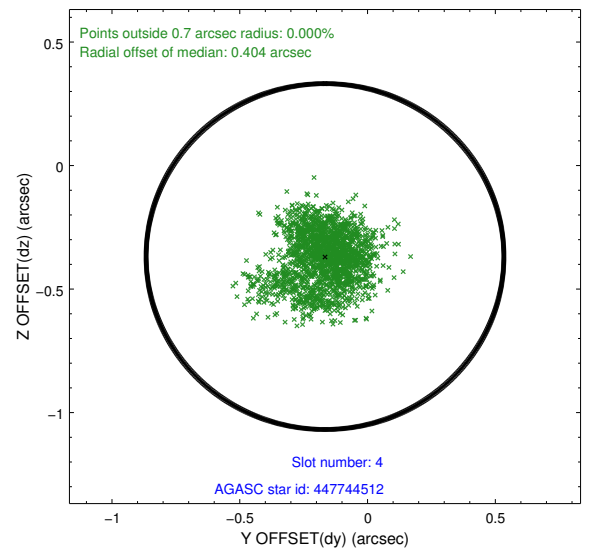
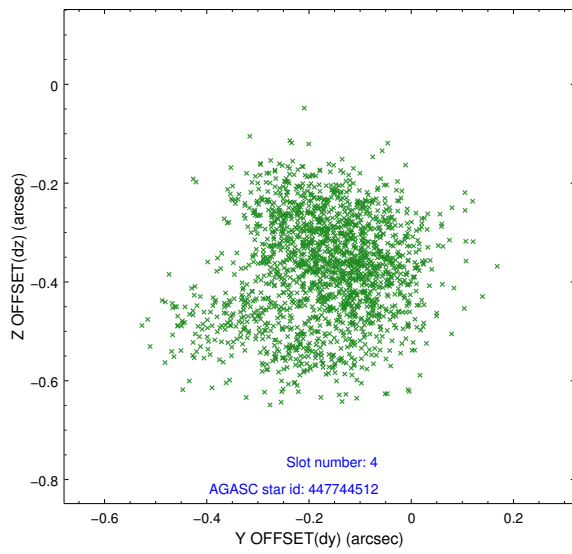
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2.4 Star Slots

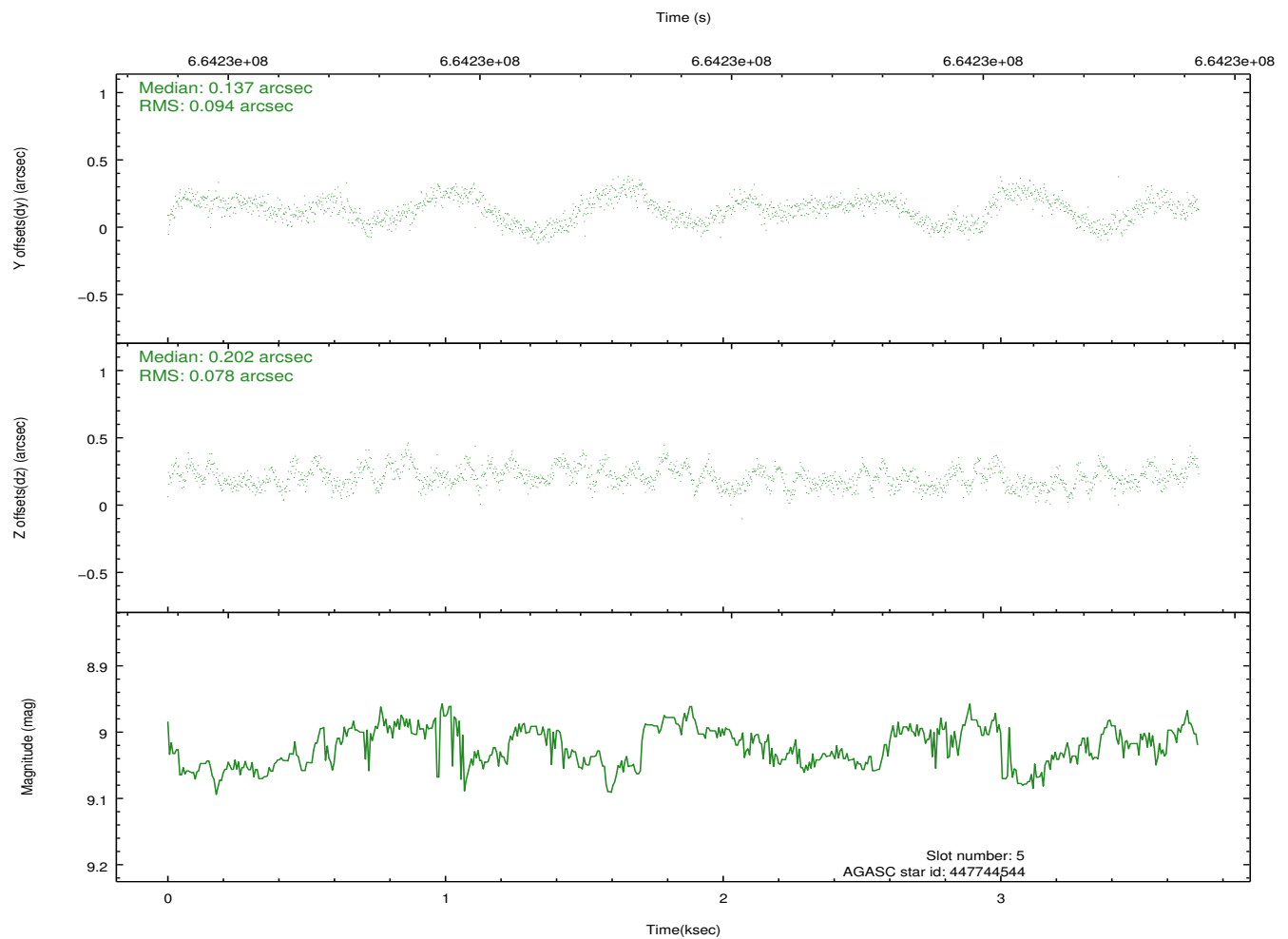
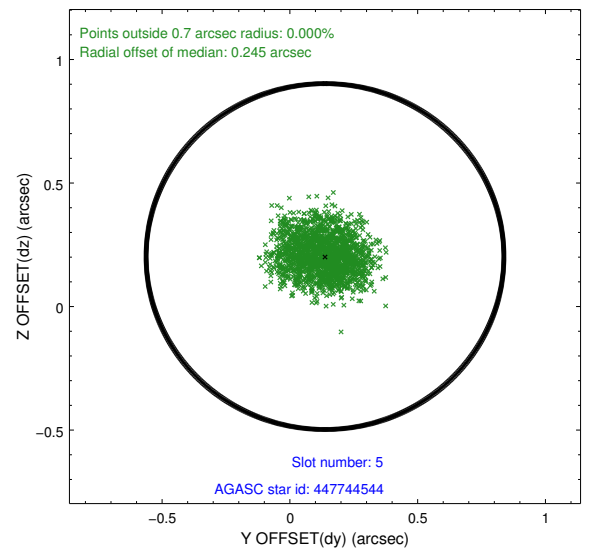
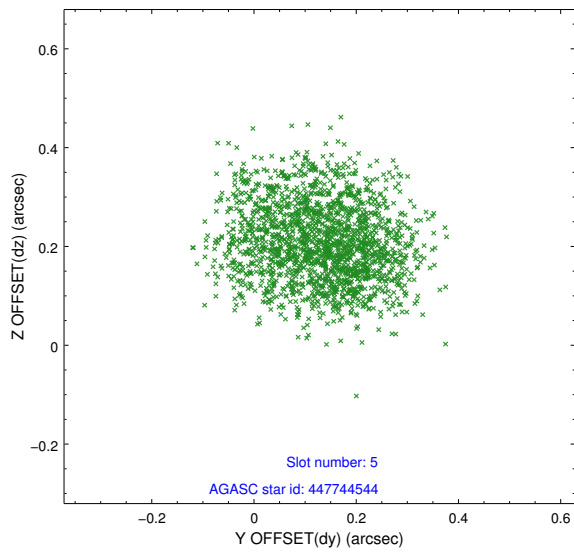
2.4.1 Slot 3



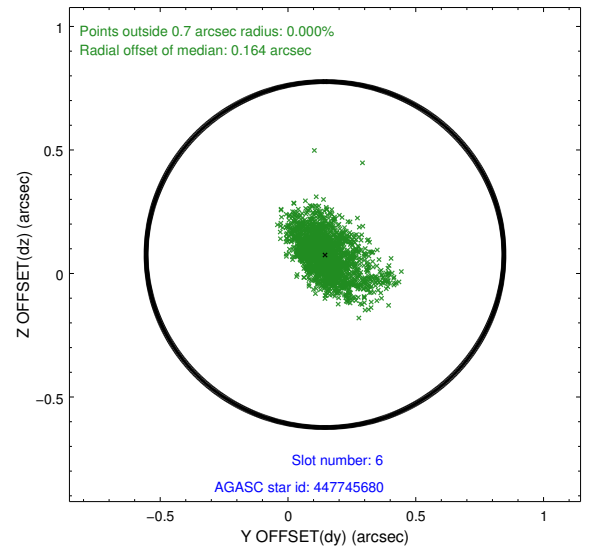
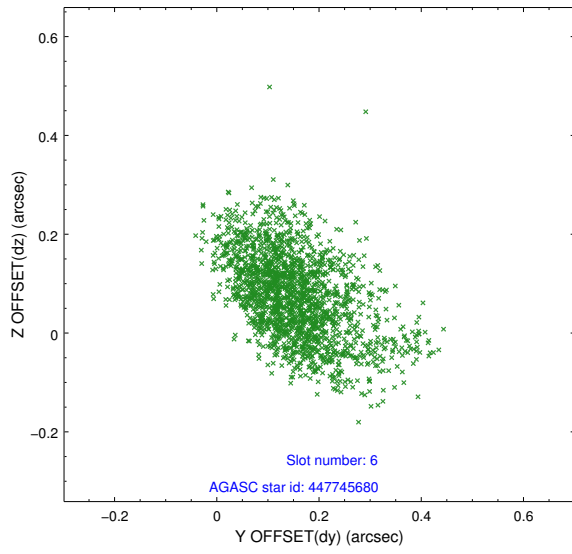
2.4.2 Slot 4



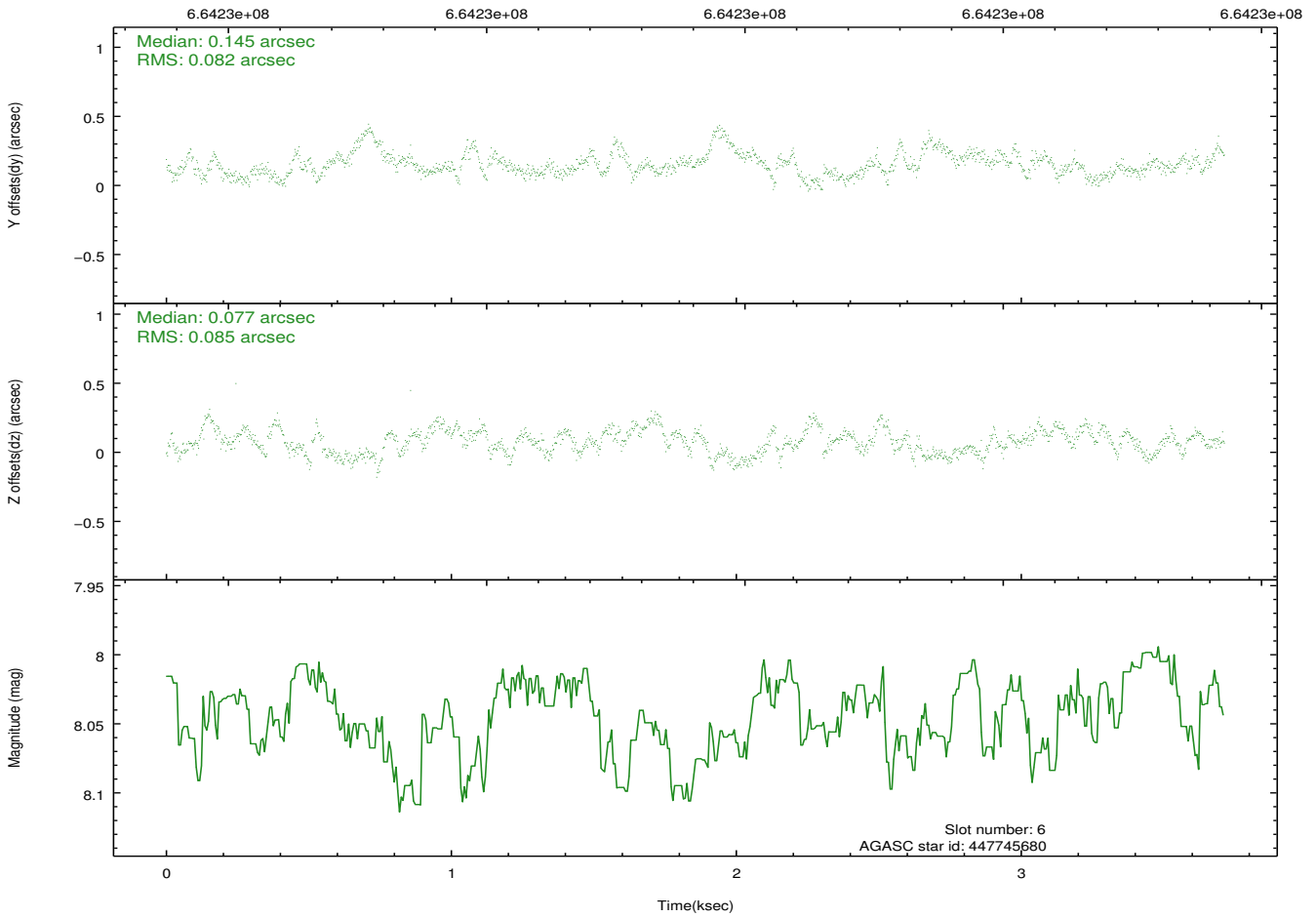
2.4.3 Slot 5



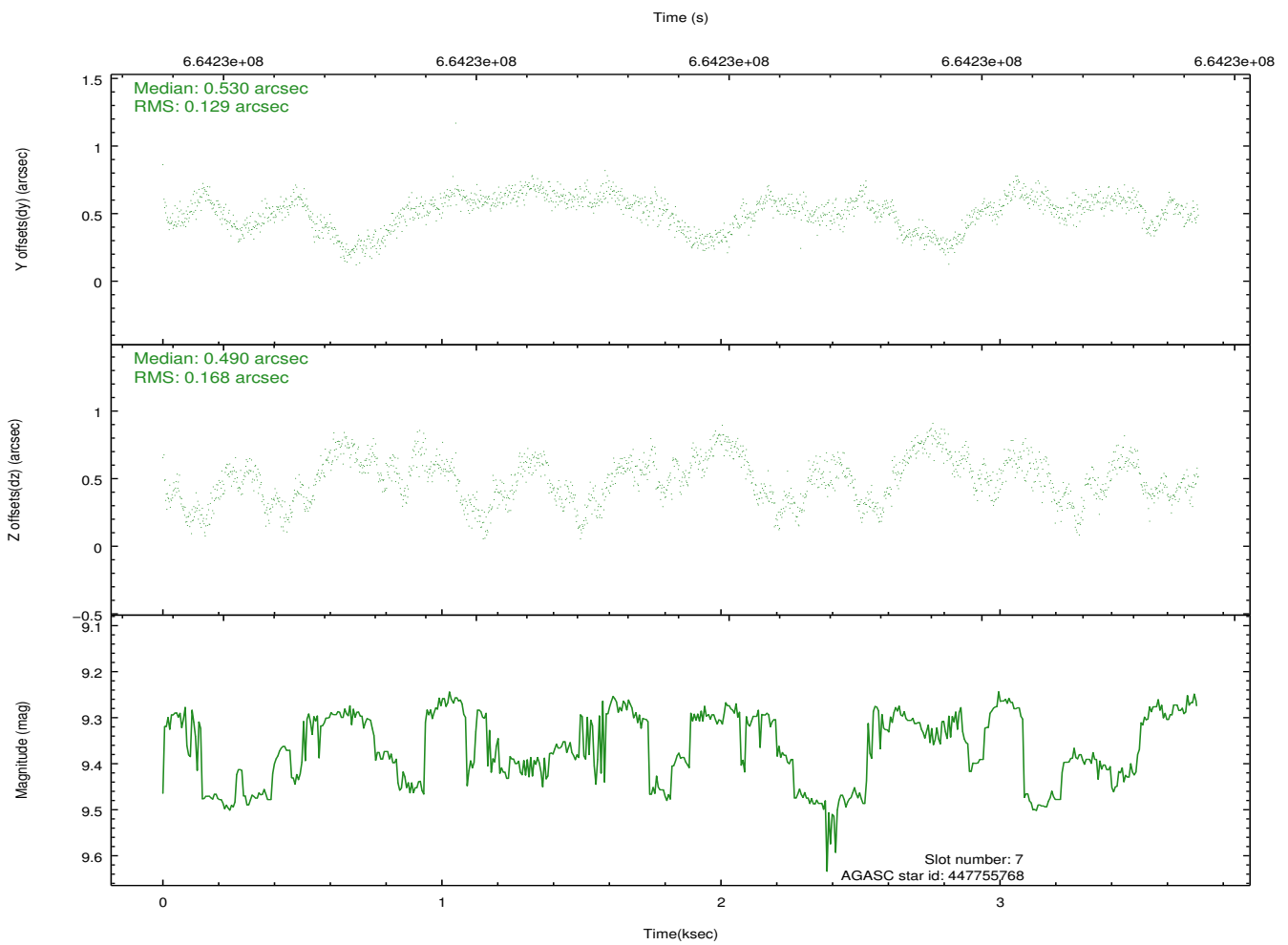
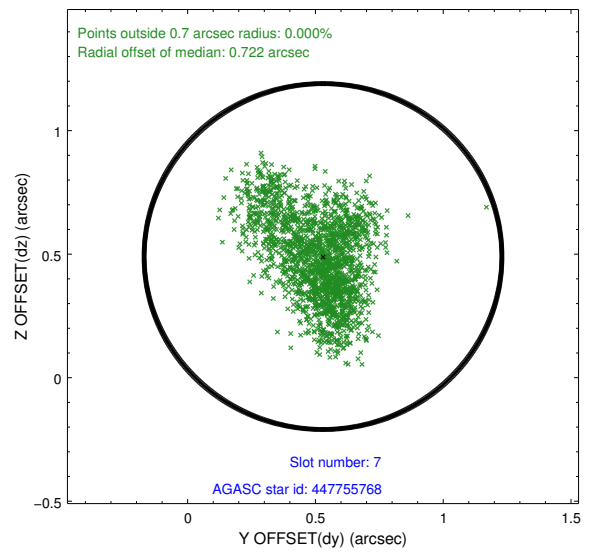
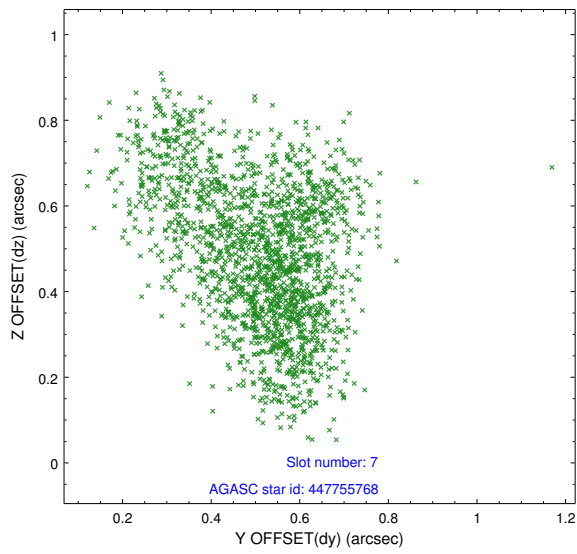
2.4.4 Slot 6



Time (s)

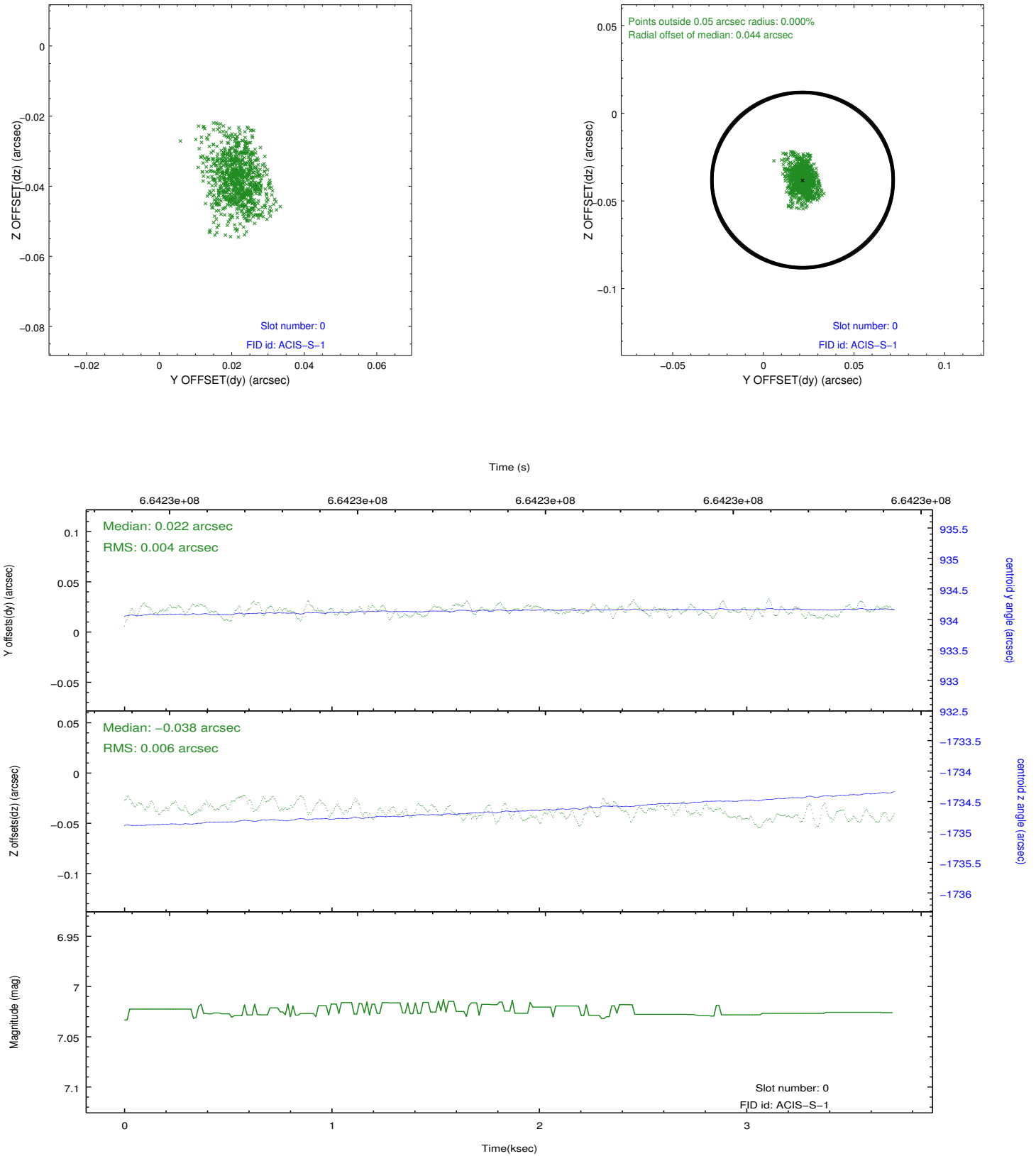


2.4.5 Slot 7

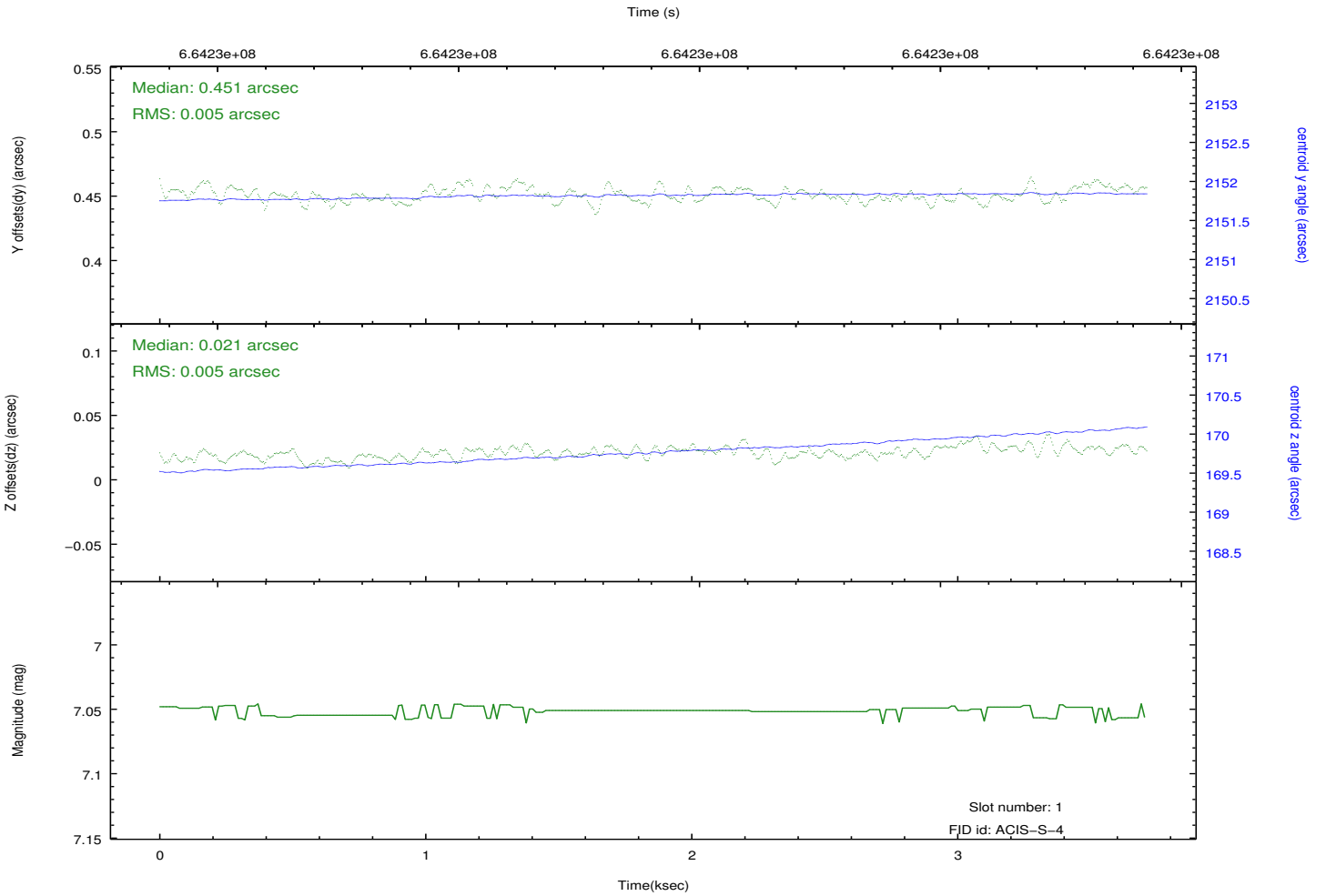
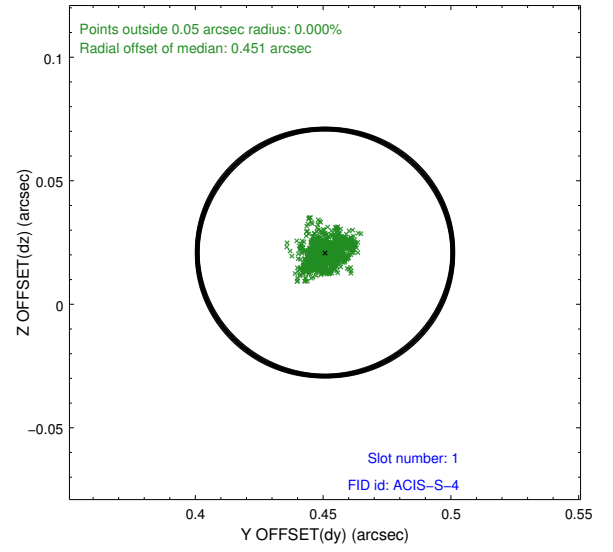
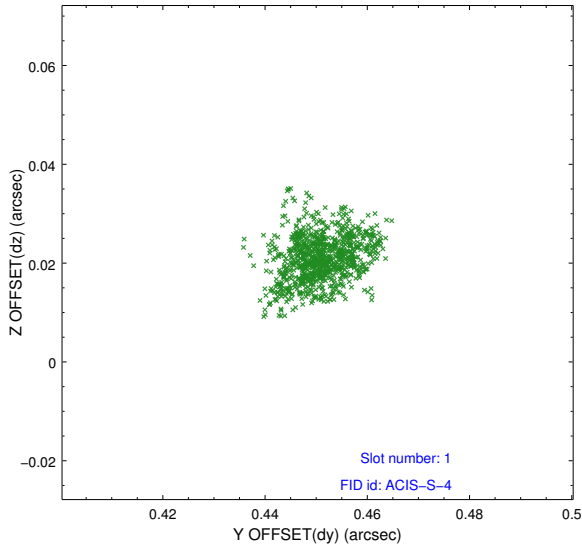


2.5 FID Slots

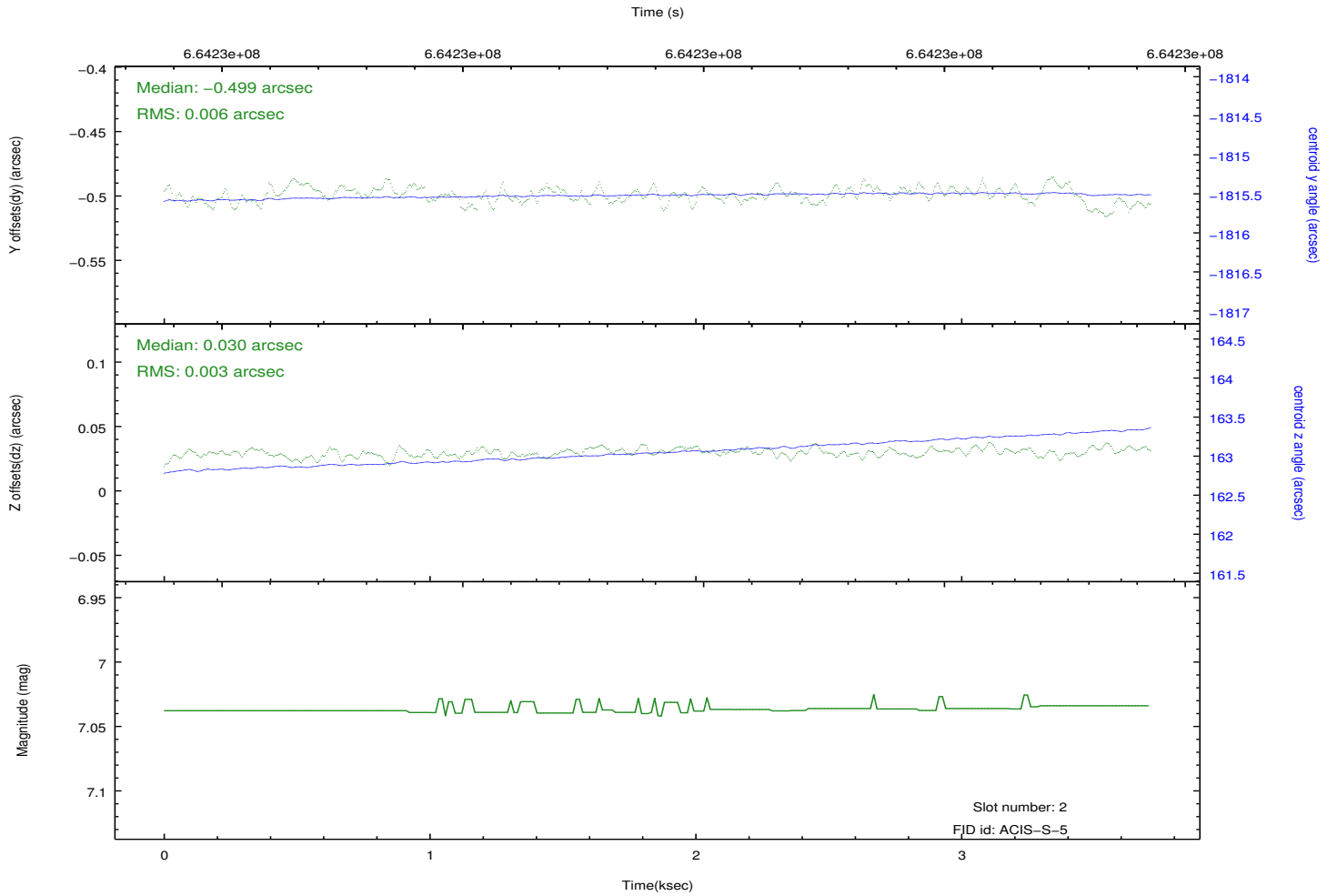
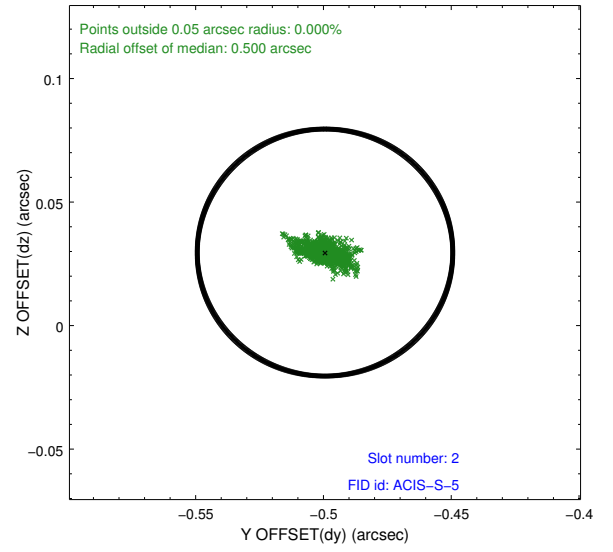
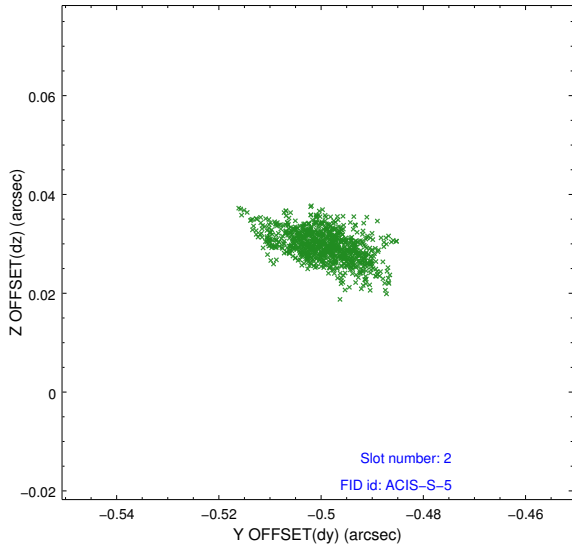
2.5.1 Slot 0



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)	2019.01.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.7045000286102

A.2 Comments