

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18746 - L2 Version 1
Chandra X-Ray Center

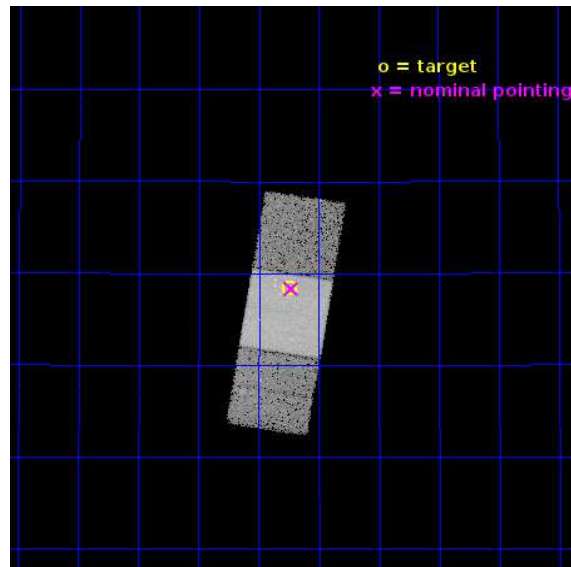
L2 Processing Date : Jan 17 2016

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1 Front

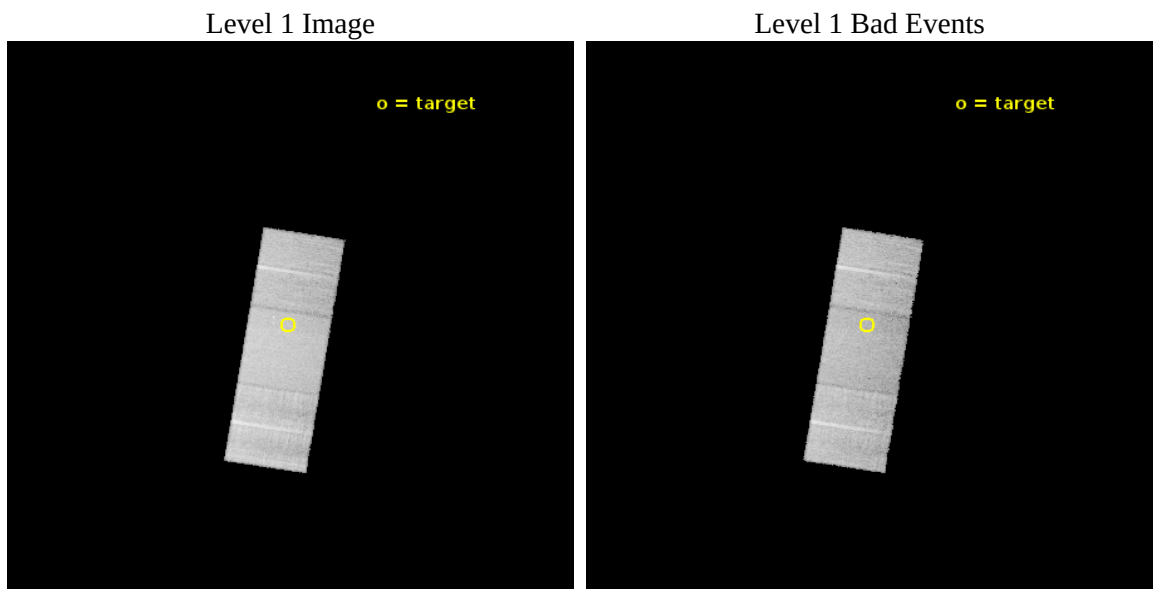
seq_num	703072	Sequence number
obs_id	18746	Observation id
title	AGNs Formed in Protogalaxies Associated with Sub-DLAs	Proposal tit
observer	Dr. George Chartas	Principal investigator
object	SDSS J095744.46+330820.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	149.435	Observer's specified target RA [deg]
dec_targ	33.139083	Observer's specified target Dec [deg]
ra_nom	149.43216287289	Nominal RA [deg]
dec_nom	33.138857462641	Nominal Dec [deg]
roll_nom	99.158196837349	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20295.213039756	Sum of GTIs [s]
livetime	20030.041140273	Livetime [s]
ontime6	20292.030989647	Sum of GTIs [s]
ontime7	20295.213039756	Sum of GTIs [s]
ontime8	20295.130959749	Sum of GTIs [s]
l2events	91543	Number of level 2 events



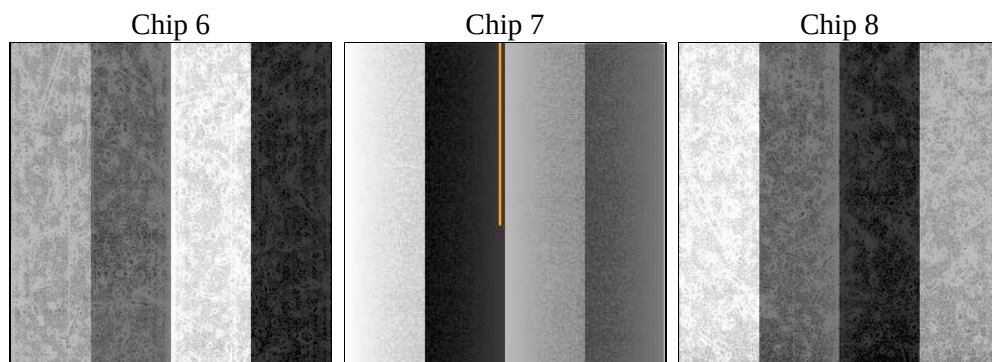
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20181.395000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	20295.213039756	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	20292.030989647	Sum of GTIs [s]
date	2016-01-17T04:49:51	Date and time of file creation	ontime7	20295.213039756	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	20295.130959749	Sum of GTIs [s]
			l1events	427310	Number of level 1 events

2.1.4 Events

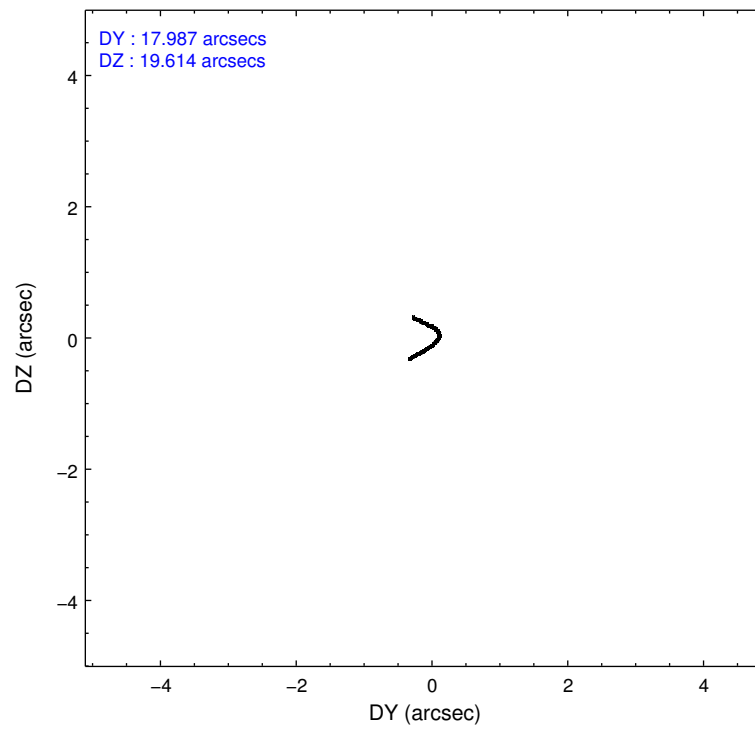
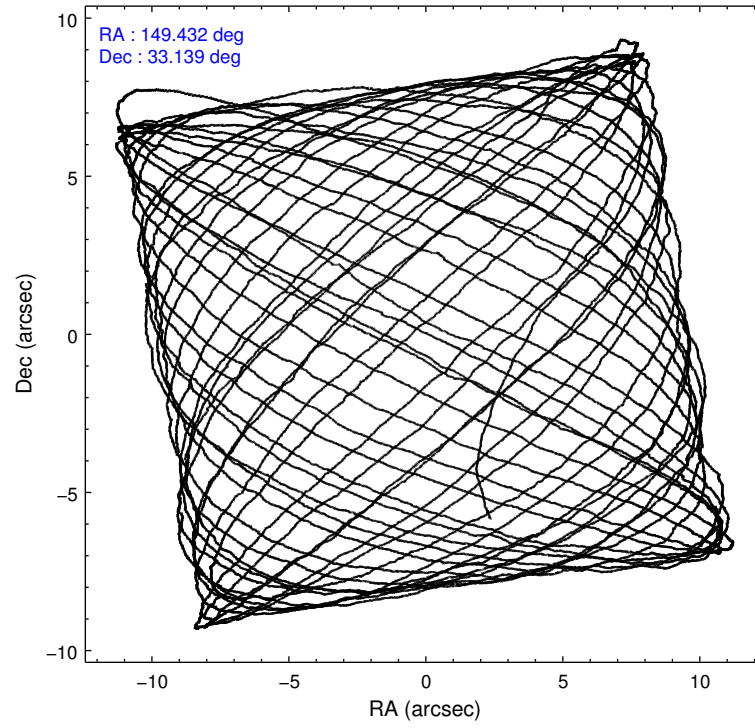
	ccd 6	ccd 7	ccd 8
level 1 events	117338	153639	156333
rejected events	103700	86532	114819
rejected %	88%	56%	73%

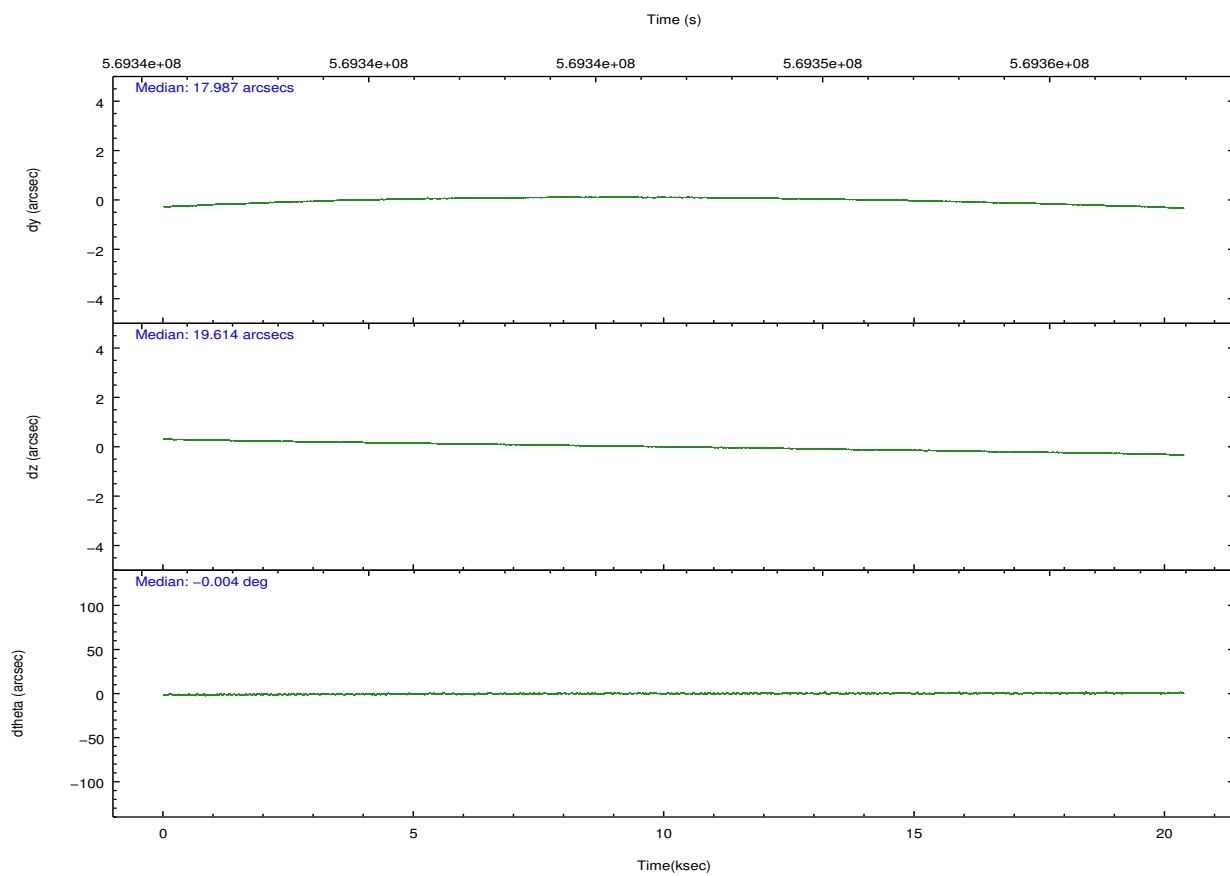
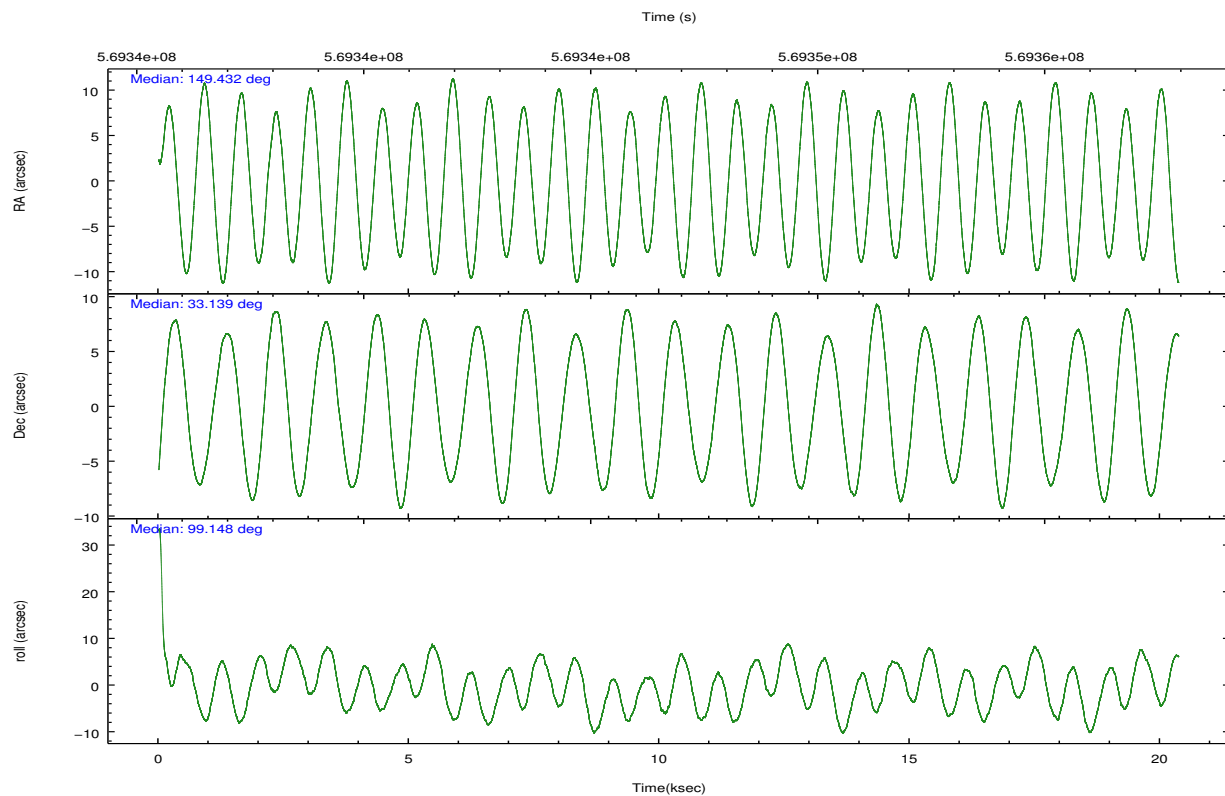
	ccd 6	ccd 7	ccd 8
grade 0 events	4439	5829	11736
	3%	3%	7%
grade 1 events	65	200	120
	0%	0%	0%
grade 2 events	3172	13973	10127
	2%	9%	6%
grade 3 events	1435	5516	4349
	1%	3%	2%
grade 4 events	1397	5308	4128
	1%	3%	2%
grade 5 events	5791	15668	8707
	4%	10%	5%
grade 6 events	3200	36500	11176
	2%	23%	7%
grade 7 events	97839	70645	105990
	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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	149.453183	149.4321628728922	CCD I2 on	O1	N
[deg] Pointing Dec	33.117794	33.13885746264098	CCD I3 on	O2	N
[deg] Pointing Roll	98.990064	99.15819683734868	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O3	Y
[s] Observation start time (MET)	569336715.184000	569335763.31607	CCD S5 on	N	N
Observation start date	2016-01-16T13:04:07	2016-01-16T12:49:23	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	569356896.184000	569357122.26728	On-chip summing requested	N	N
Observation end date	2016-01-16T18:40:28	2016-01-16T18:45:22	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



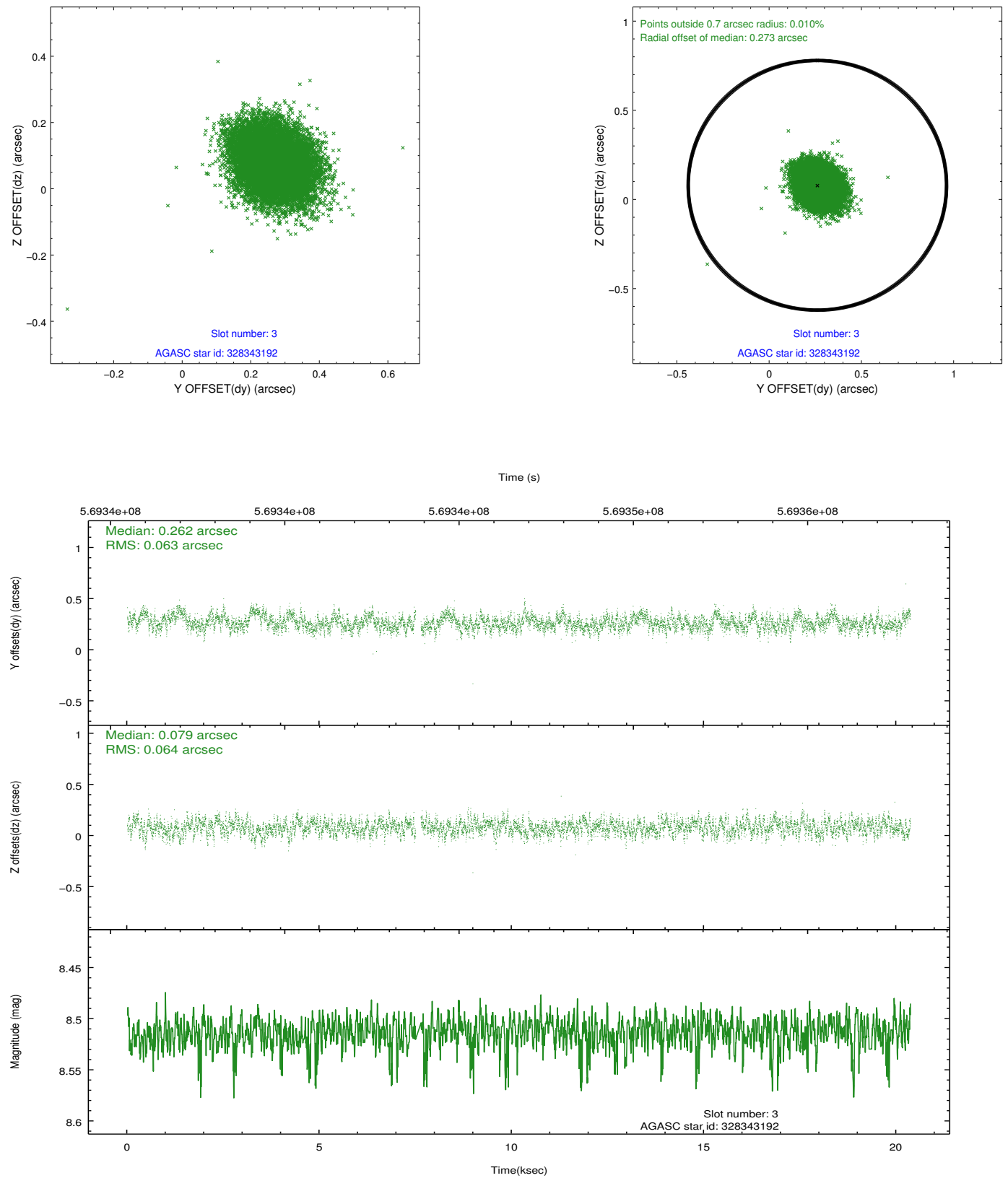


Slot Statistics

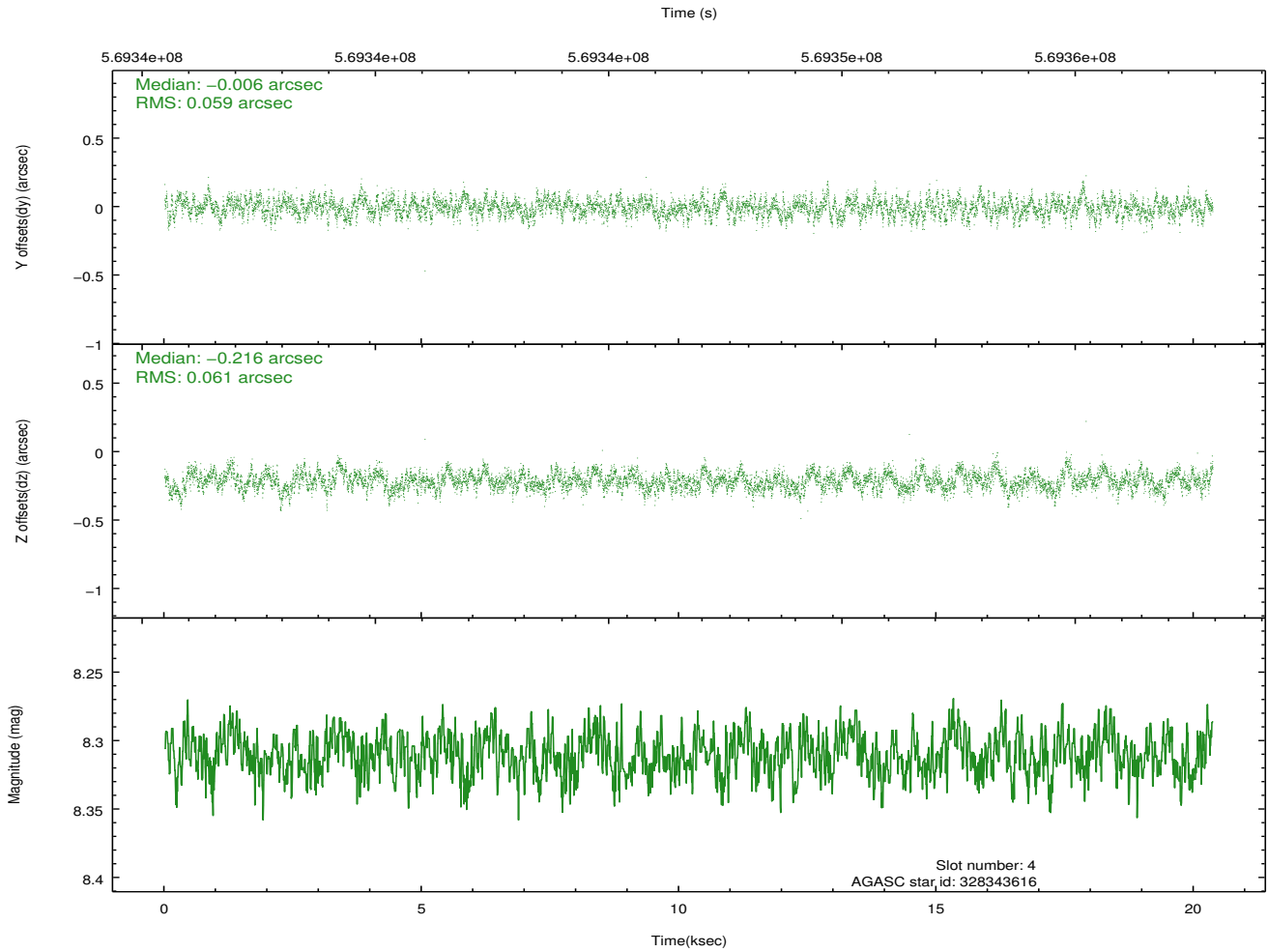
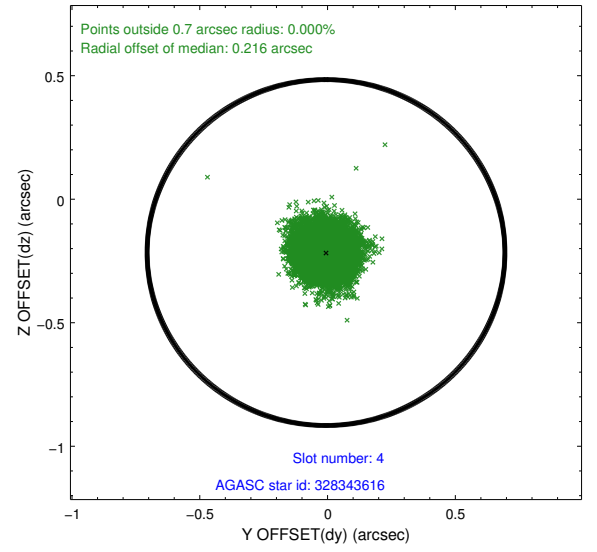
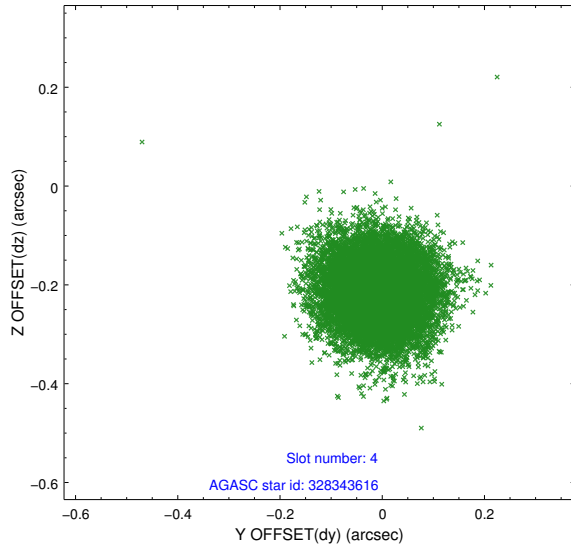
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	4967	-0.181	-0.126	0.010	0.017	0.000000	0.000000	-771.17	-1741.19
1	FID		ACIS-S-4	7.22	4967	0.455	0.121	0.009	0.022	0.000000	0.000000	2142.64	167.37
2	FID		ACIS-S-5	7.24	4967	-0.305	0.013	0.010	0.018	0.000000	0.000000	-1823.92	161.11
3	GUIDE	used	328343192	8.51	9861	0.262	0.079	0.096	0.151	149.543764	33.028806	-359.55	-218.85
4	GUIDE	used	328343616	8.31	9930	-0.006	-0.216	0.091	0.143	149.287043	32.968903	-450.33	579.29
5	GUIDE	used	328344368	8.91	9929	-0.078	0.218	0.128	0.206	149.773548	33.291354	468.42	-1049.38
6	GUIDE	used	328345344	9.02	9929	-0.045	0.172	0.141	0.229	149.732704	33.386505	825.12	-981.21
7	GUIDE	used	328346248	9.06	9923	-0.121	-0.245	0.122	0.197	149.076462	33.459911	1395.65	925.29

2.4 Star Slots

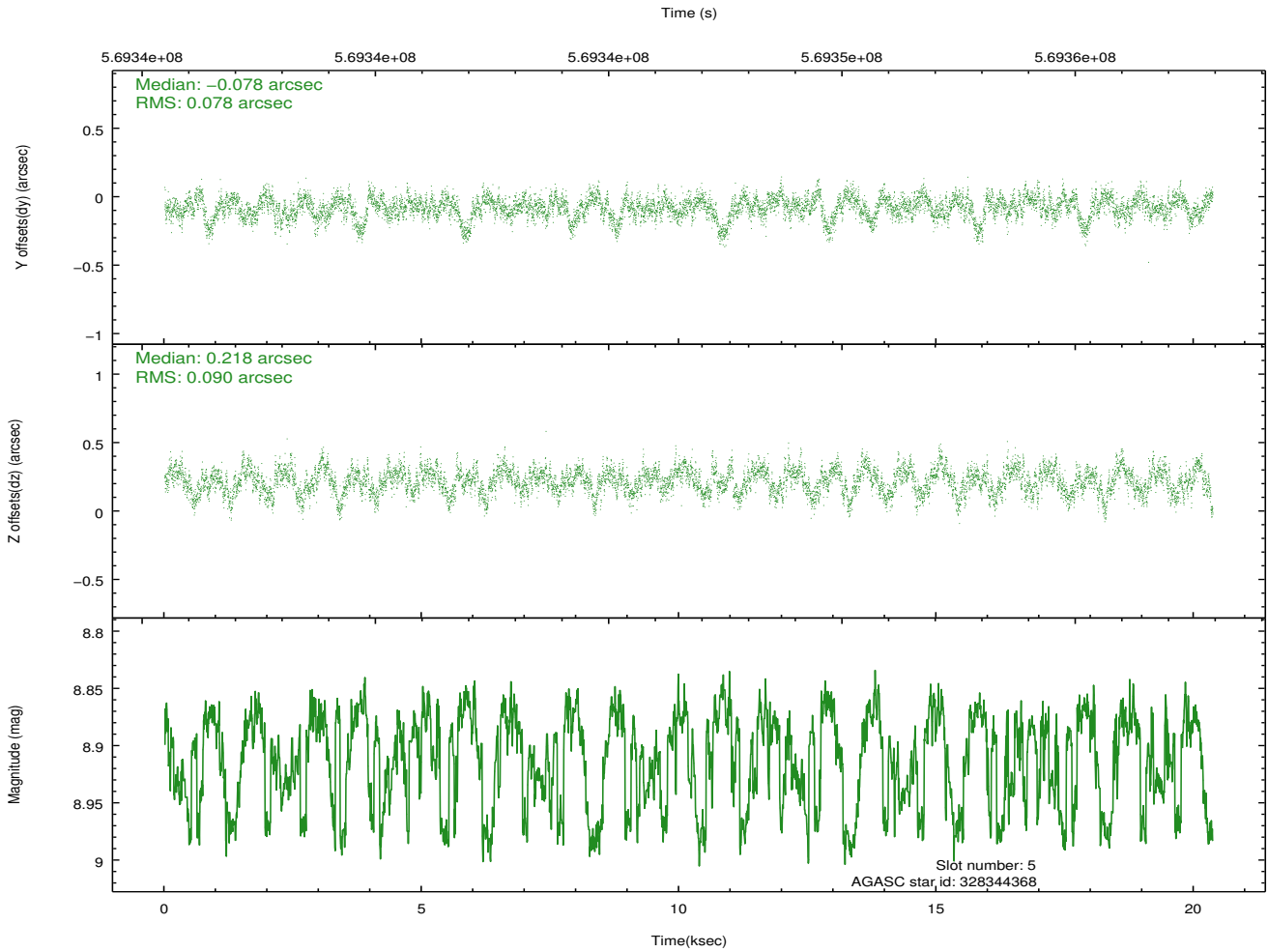
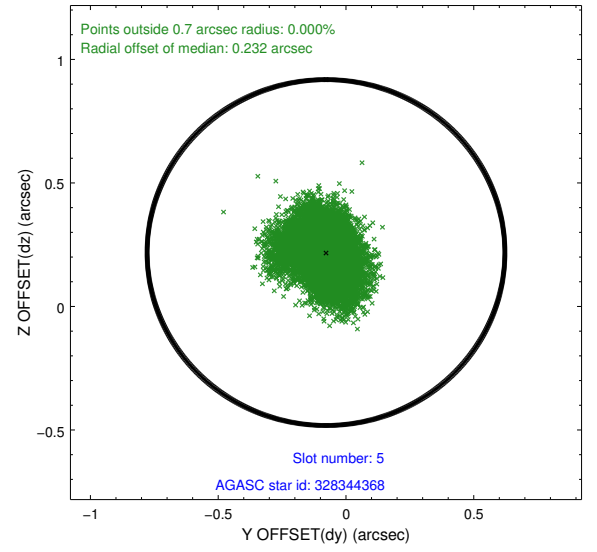
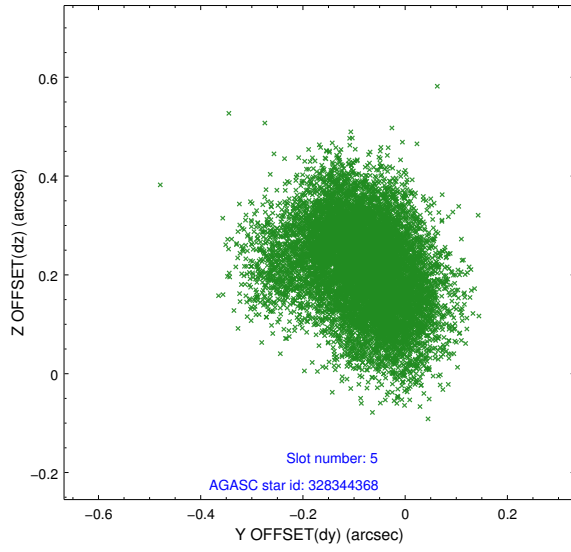
2.4.1 Slot 3



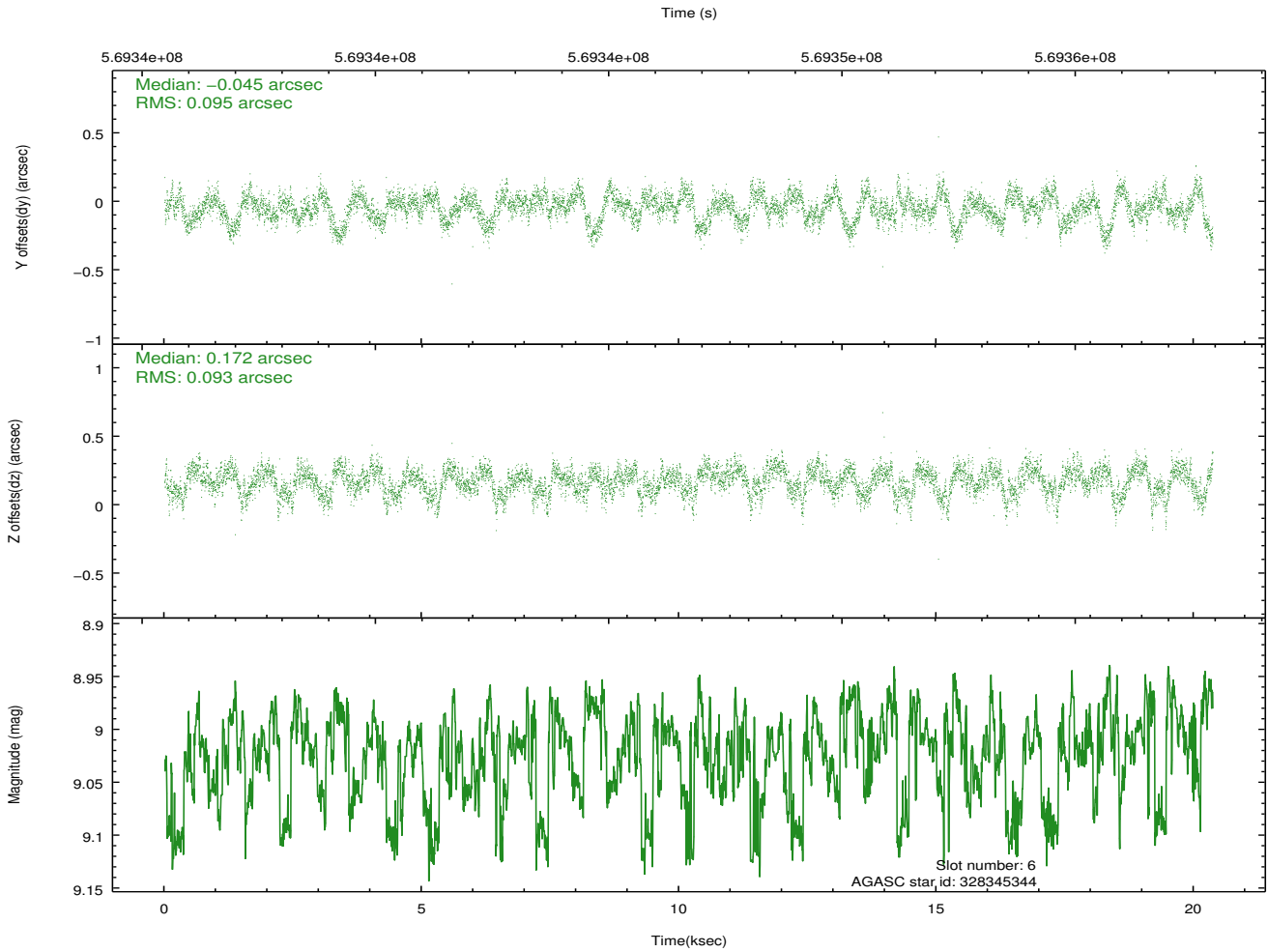
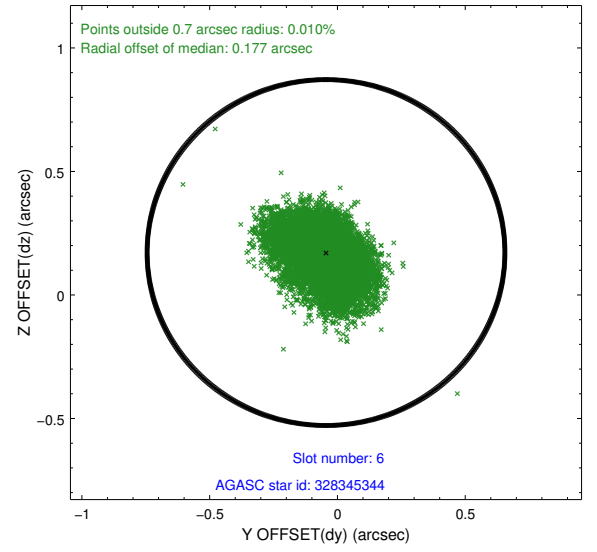
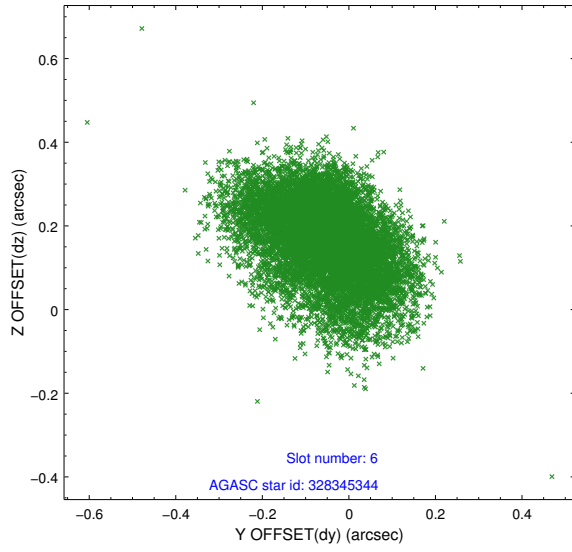
2.4.2 Slot 4



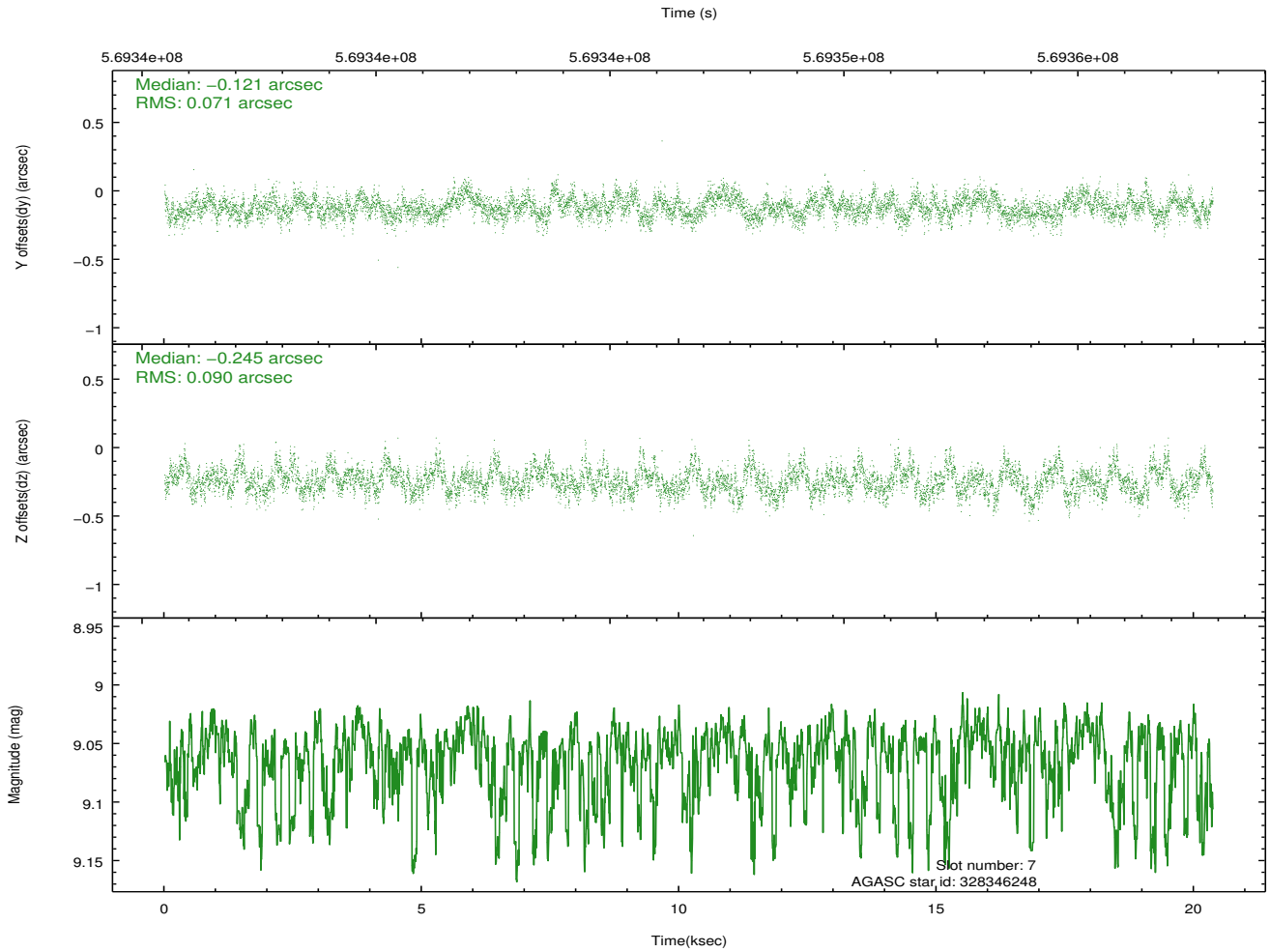
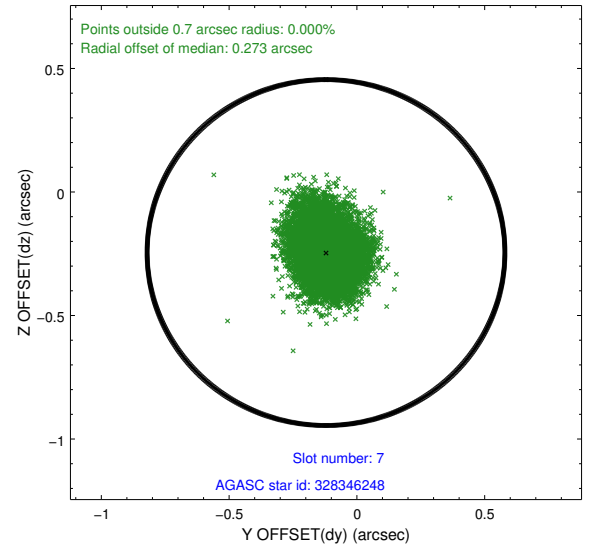
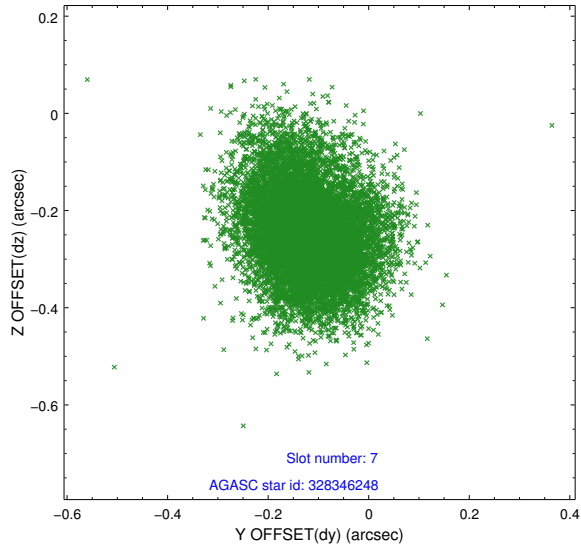
2.4.3 Slot 5



2.4.4 Slot 6

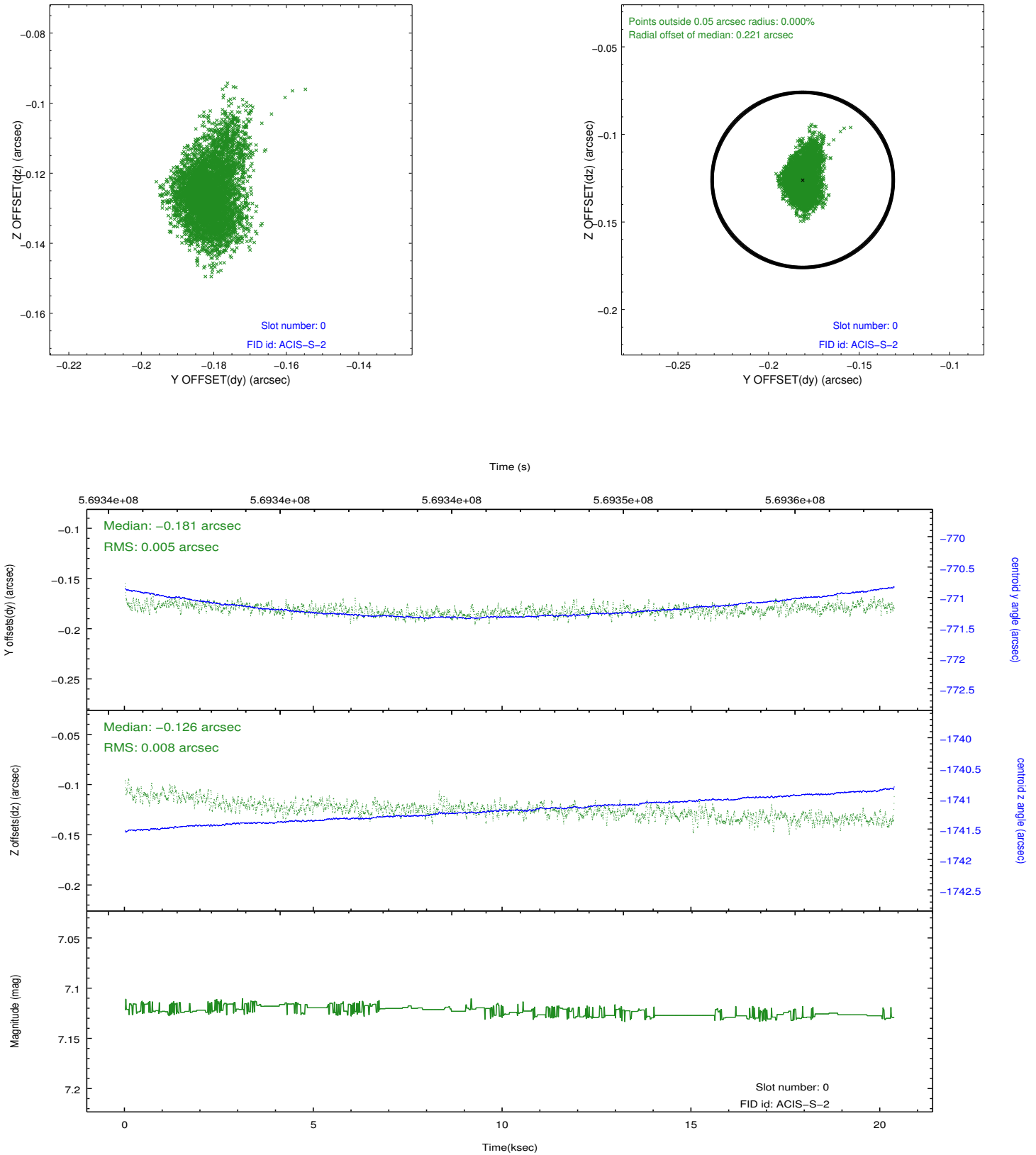


2.4.5 Slot 7

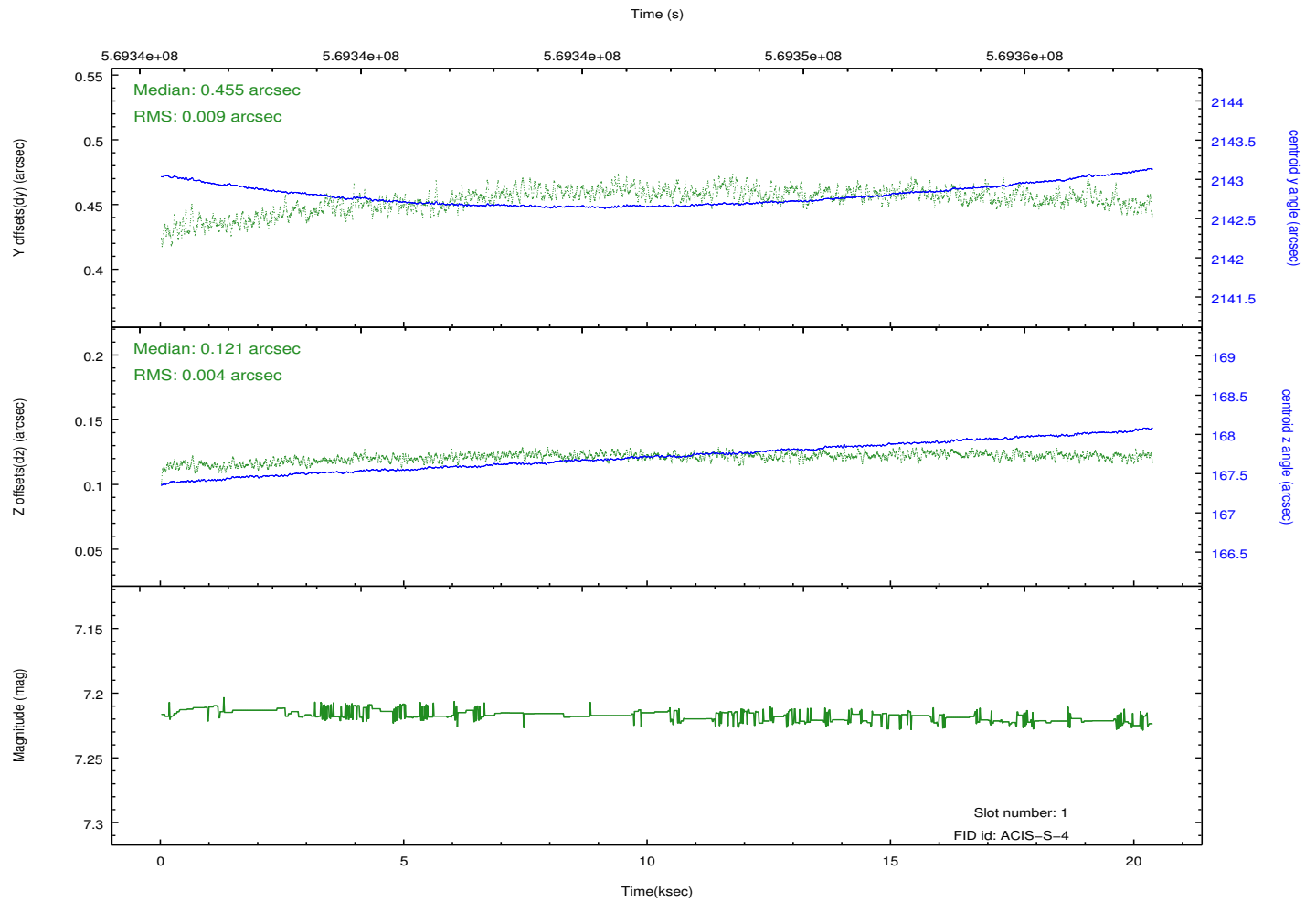
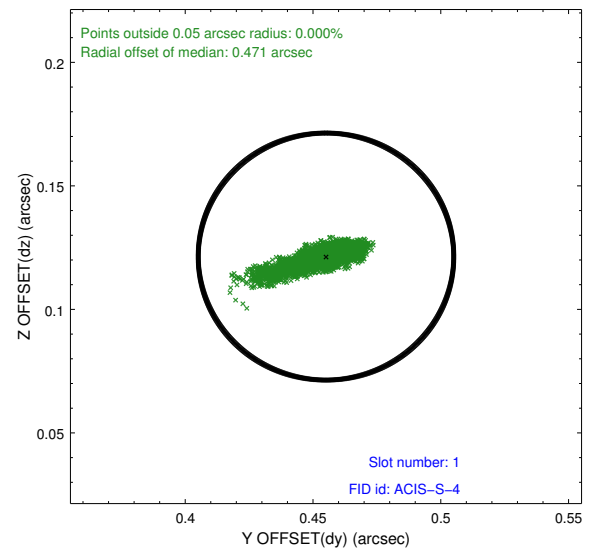
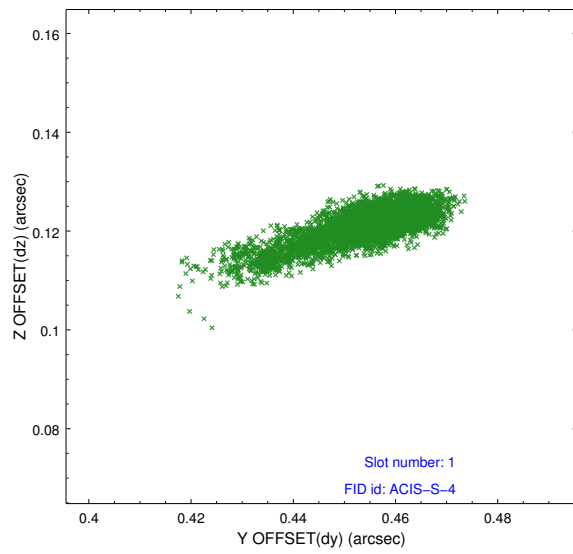


2.5 FID Slots

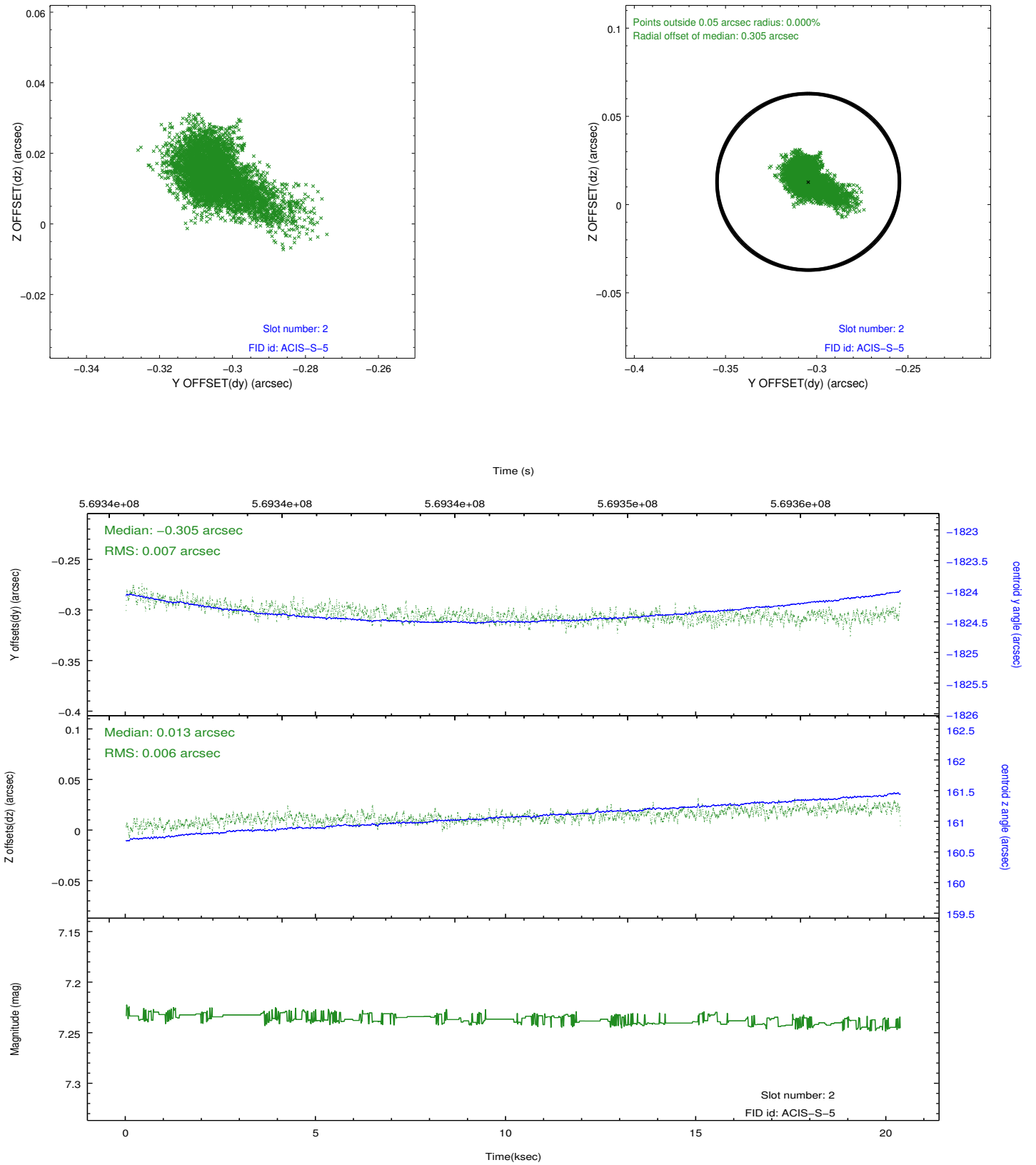
2.5.1 Slot 0



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)	2016.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.295213039756

A.2 Comments

Optional chips I2 and I3 were dropped.