

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22844 - L2 Version 1
Chandra X-Ray Center

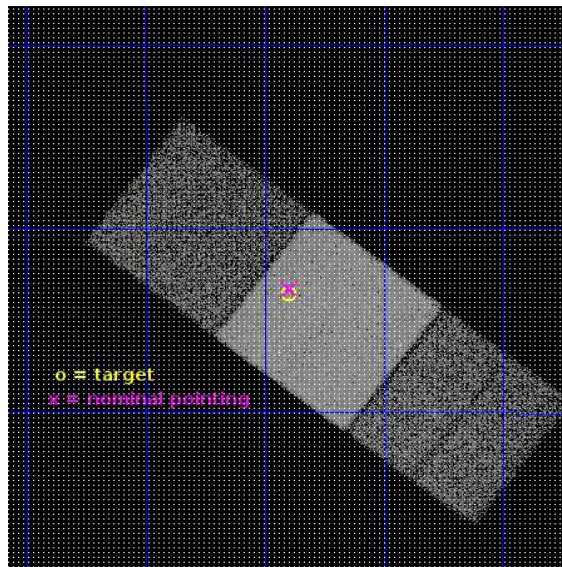
L2 Processing Date : Sep 17 2019

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1 Front

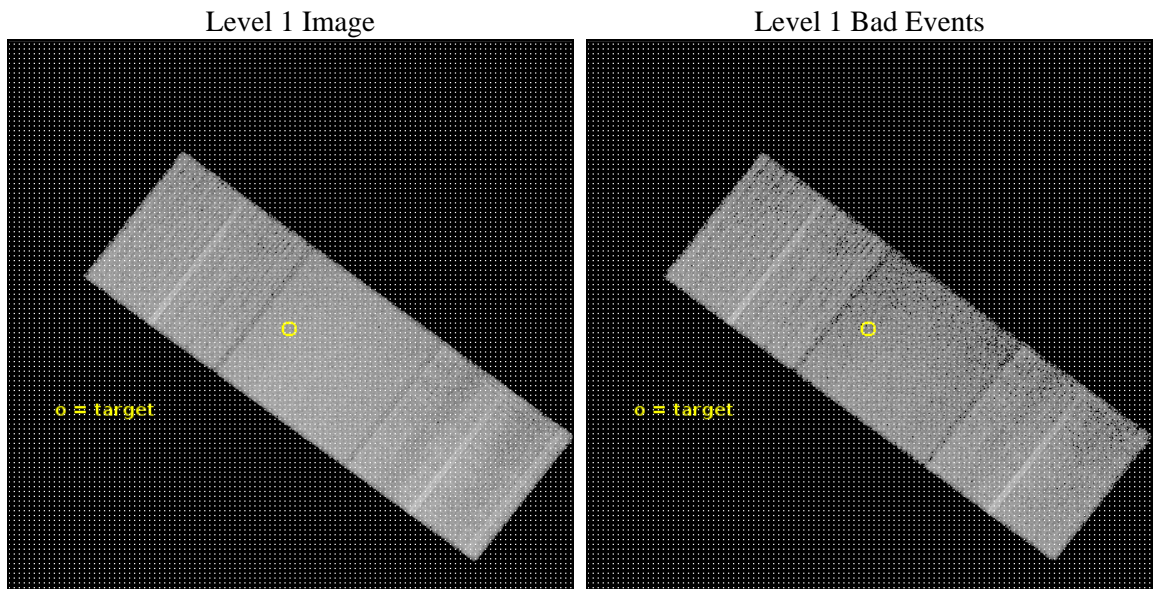
seq_num	703760	Sequence number
obs_id	22844	Observation id
title	Nuclear accretion in a starbursting protocluster at z=4	Proposal t
observer	Fabio Vito	Principal investigator
object	DRC J004423.8-334334.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.599167	Observer's specified target RA [deg]
dec_targ	-33.726333	Observer's specified target Dec [deg]
ra_nom	10.599158338136	Nominal RA [deg]
dec_nom	-33.721051480579	Nominal Dec [deg]
roll_nom	37.156635814444	Nominal Roll [deg]
revision	1	Processing version of data
ontime	23113.449381232	Sum of GTIs [s]
livetime	22811.455149193	Livetime [s]
ontime6	23113.408341289	Sum of GTIs [s]
ontime7	23113.449381232	Sum of GTIs [s]
ontime8	23107.085180163	Sum of GTIs [s]
l2events	136415	Number of level 2 events



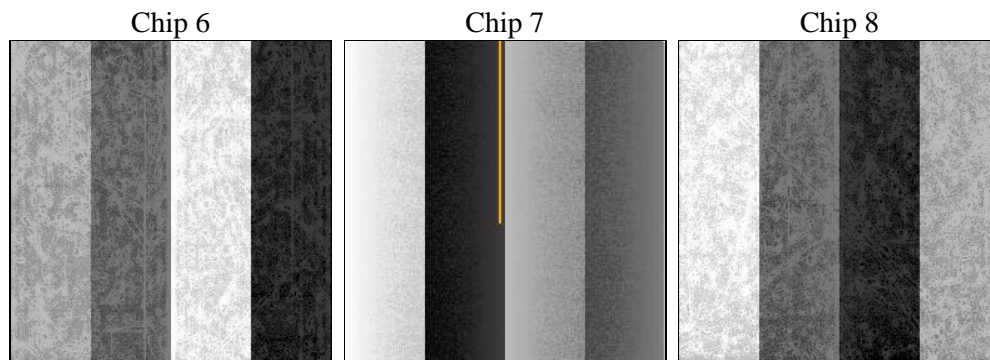
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	23000.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	23113.449381232	Sum of GTIs [s]
caldbver	4.8.4.1	 	ontime6	23113.408341289	Sum of GTIs [s]
date	2019-09-17T04:27:17	Date and time of file creation	ontime7	23113.449381232	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	23107.085180163	Sum of GTIs [s]
			l1events	640335	Number of level 1 events

2.1.4 Events

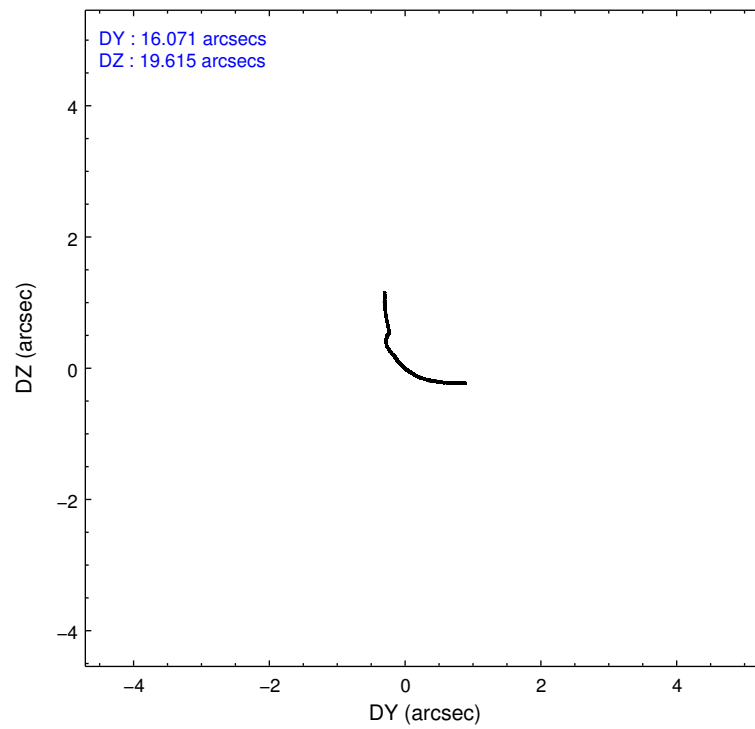
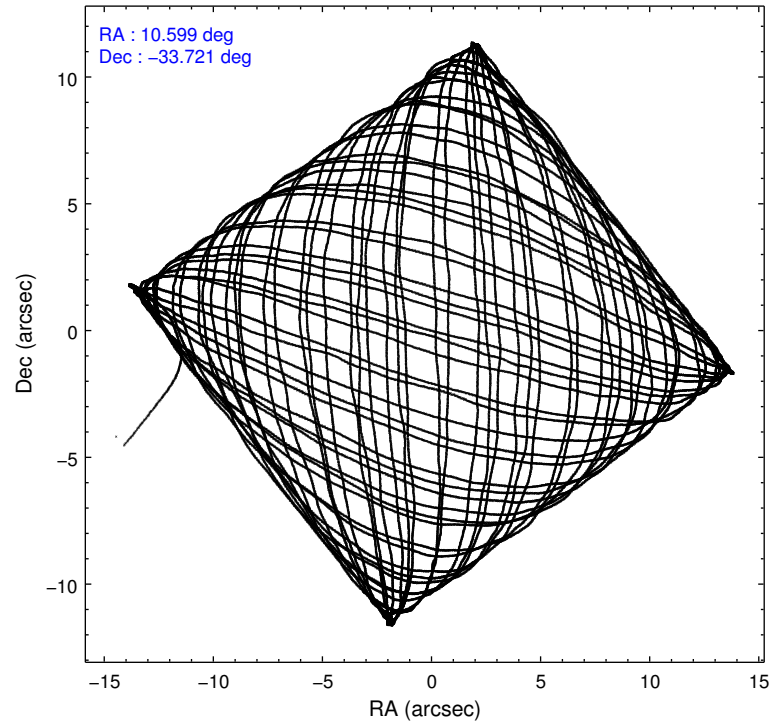
	ccd 6	ccd 7	ccd 8
level 1 events	181631	227026	231678
rejected events	161460	126921	165990
rejected %	88%	55%	71%

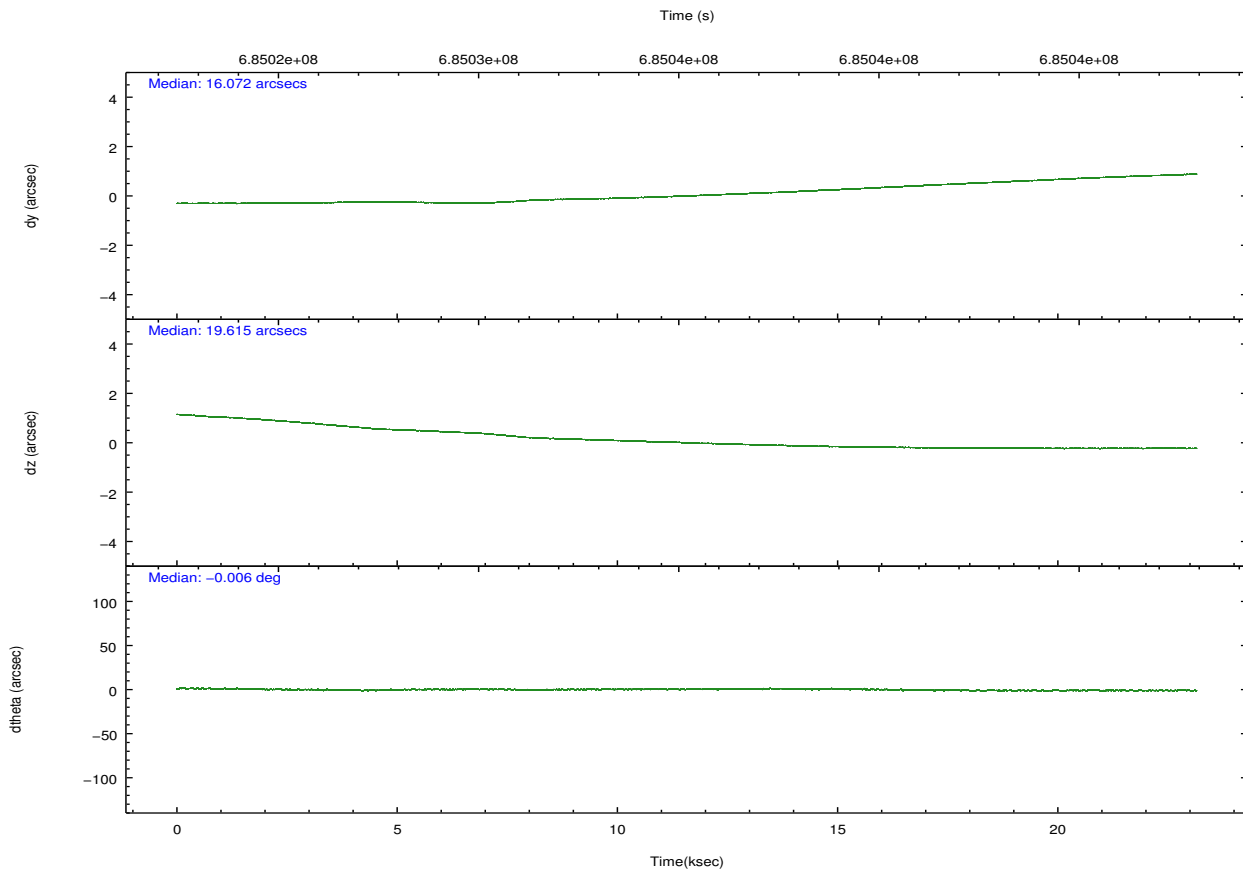
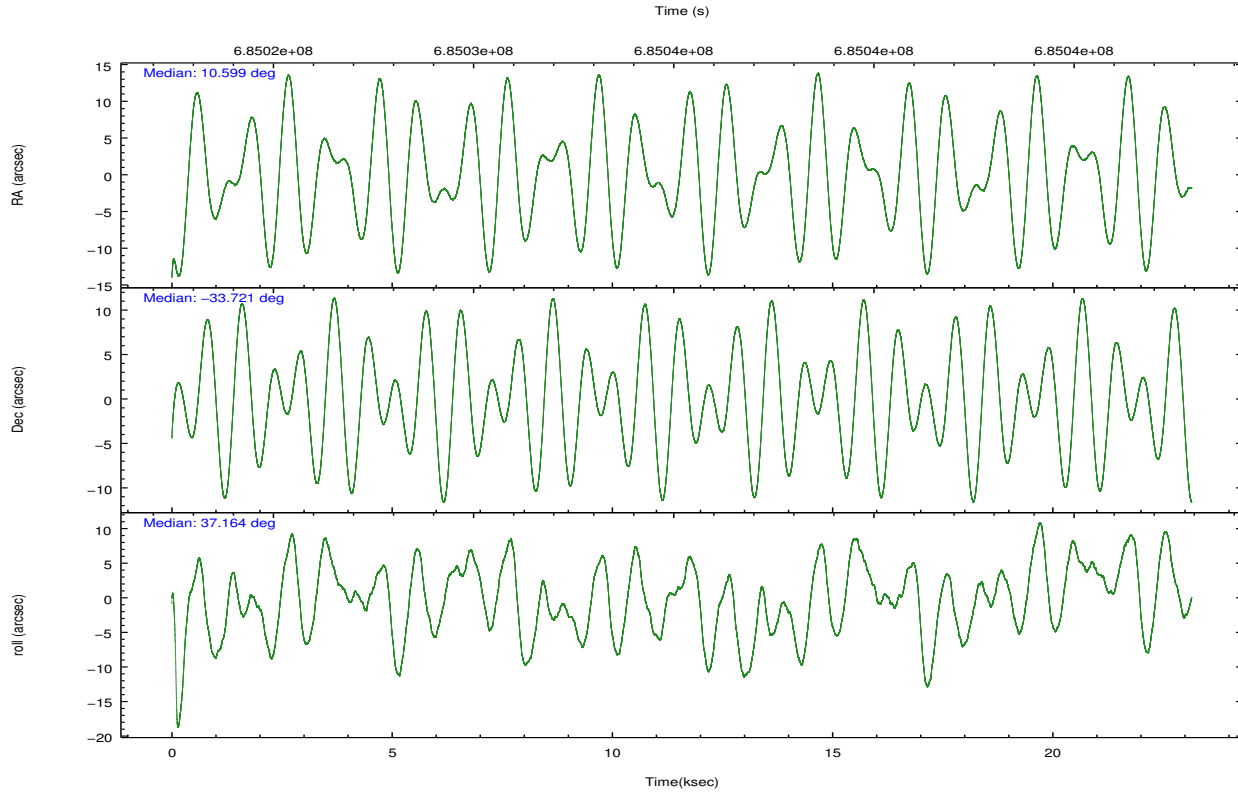
	ccd 6	ccd 7	ccd 8
grade 0 events	6576	8463	18453
	3%	3%	7%
grade 1 events	86	319	194
	0%	0%	0%
grade 2 events	4744	21737	15830
	2%	9%	6%
grade 3 events	2026	7937	6865
	1%	3%	2%
grade 4 events	1953	7815	6643
	1%	3%	2%
grade 5 events	8238	22570	12796
	4%	9%	5%
grade 6 events	4875	54171	17909
	2%	23%	7%
grade 7 events	153133	104014	152988
	84%	45%	66%

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	10.586767	10.59915833813572	Subarray requested	NONE	NONE
[deg] Pointing Dec	-33.746486	-33.72105148057921	Alternating exposures requested	N	N
[deg] Pointing Roll	36.993113	37.15663581444397	[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)	685023766.184000	685022551.42555			
Observation start date	2019-09-16T12:21:37	2019-09-16T12:02:31			
[s] Observation end time (MET)	685046766.184000	685047308.76454			
Observation end date	2019-09-16T18:44:57	2019-09-16T18:55:08			
Read mode	TIMED	TIMED			

2.3 Aspect



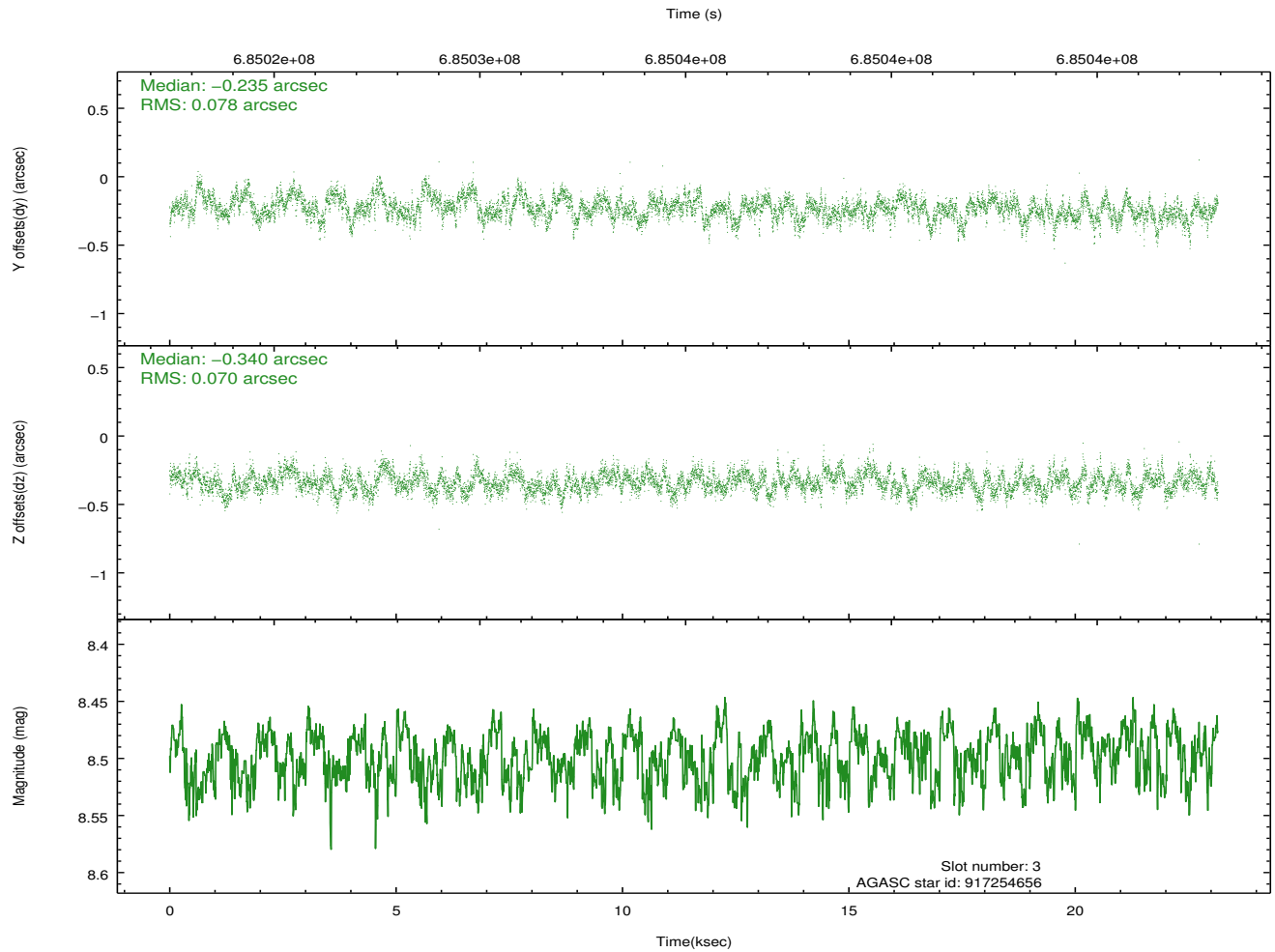
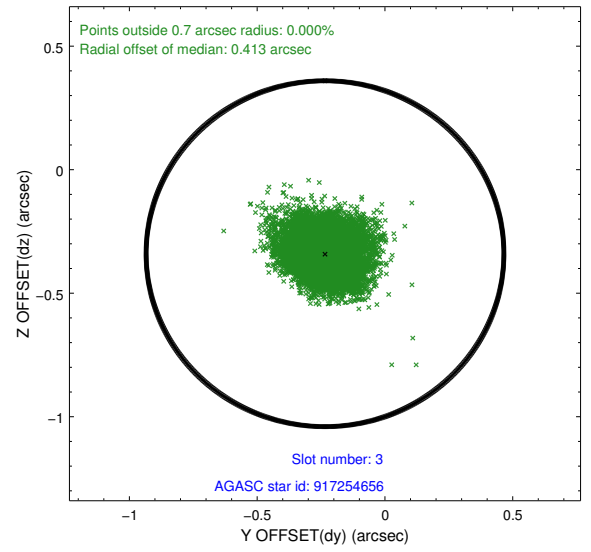
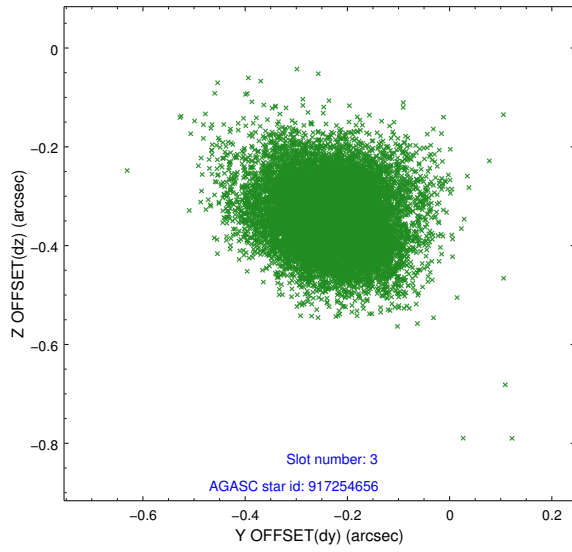


Slot Statistics

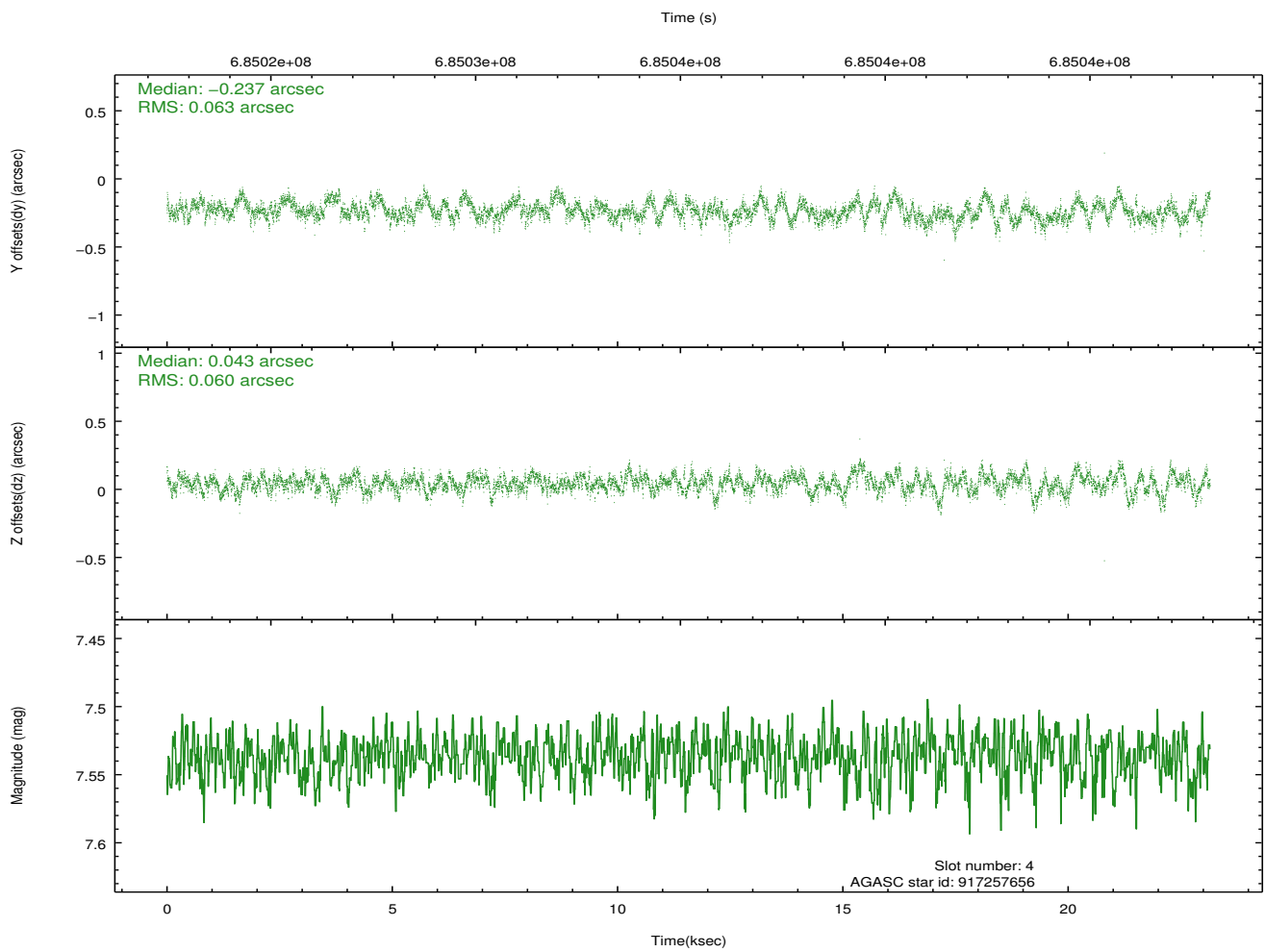
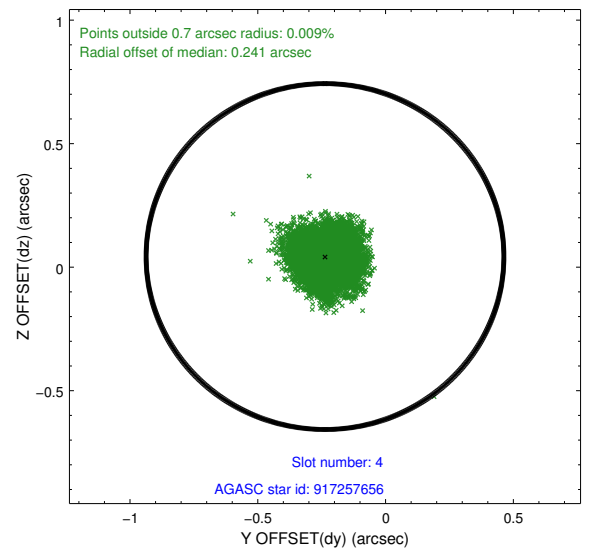
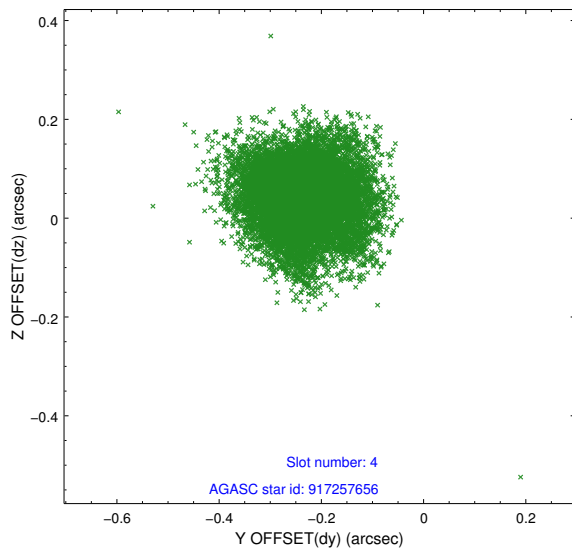
slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	6.95	5647	1.000	-0.304	-0.204	0.019	0.030	0.000000	0.000000	-769.42	-1741
1	FID		ACIS-S-4	7.07	5646	1.000	0.779	0.201	0.006	0.011	0.000000	0.000000	2144.80	167
2	FID		ACIS-S-5	7.02	5646	1.000	-0.506	0.012	0.020	0.033	0.000000	0.000000	-1822.36	160
3	GUIDE	used	917254656	8.50	11284	1.000	-0.235	-0.340	0.110	0.183	10.371377	-33.734638	-489.35	421
4	GUIDE	used	917257656	7.54	11293	1.000	-0.237	0.043	0.092	0.151	11.125743	-33.653850	1488.69	-708
5	GUIDE	used	917509896	9.89	11199	1.000	0.279	0.221	0.229	0.374	10.176152	-34.300212	-2176.74	-861
6	GUIDE	used	917511168	9.19	11282	1.000	-0.001	-0.015	0.141	0.229	11.080519	-33.871483	906.82	-1249
7	GUIDE	used	917514296	9.70	11258	1.000	0.186	0.077	0.310	0.492	10.596490	-33.990074	-503.22	-717

2.4 Star Slots

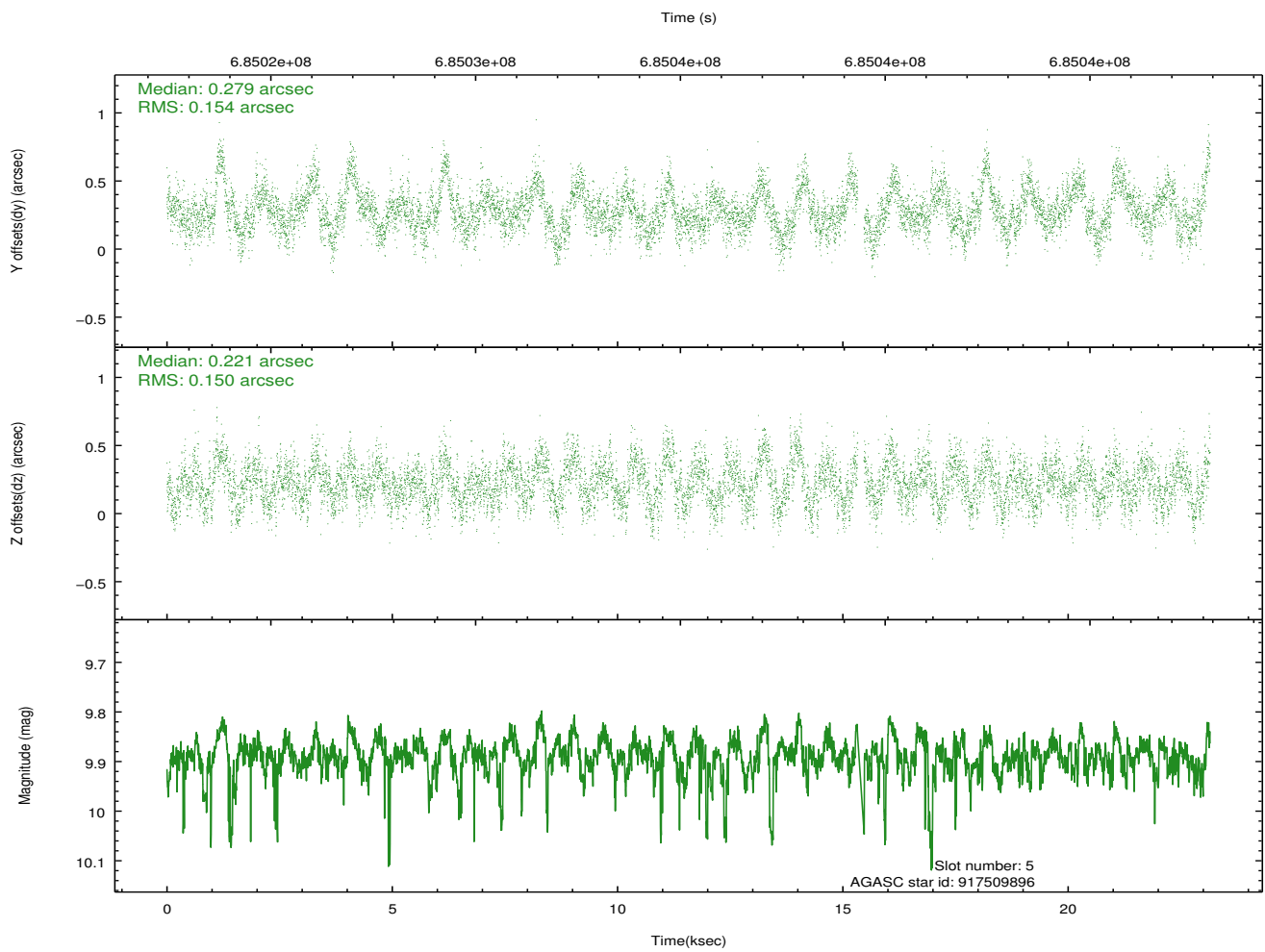
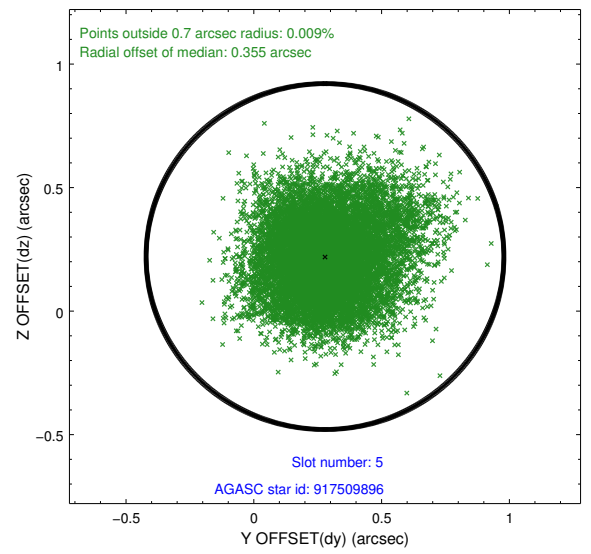
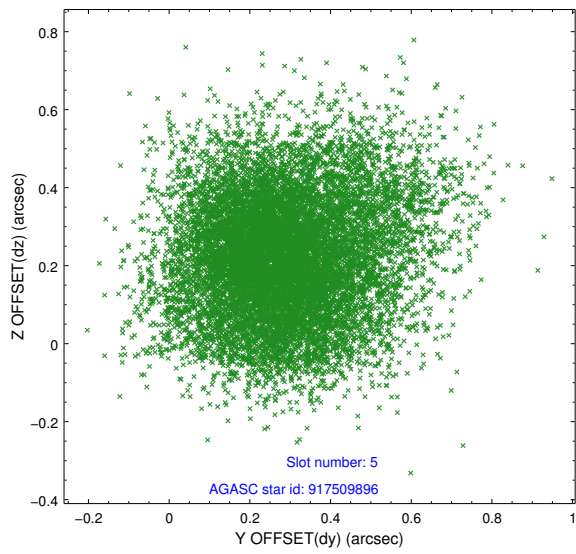
2.4.1 Slot 3



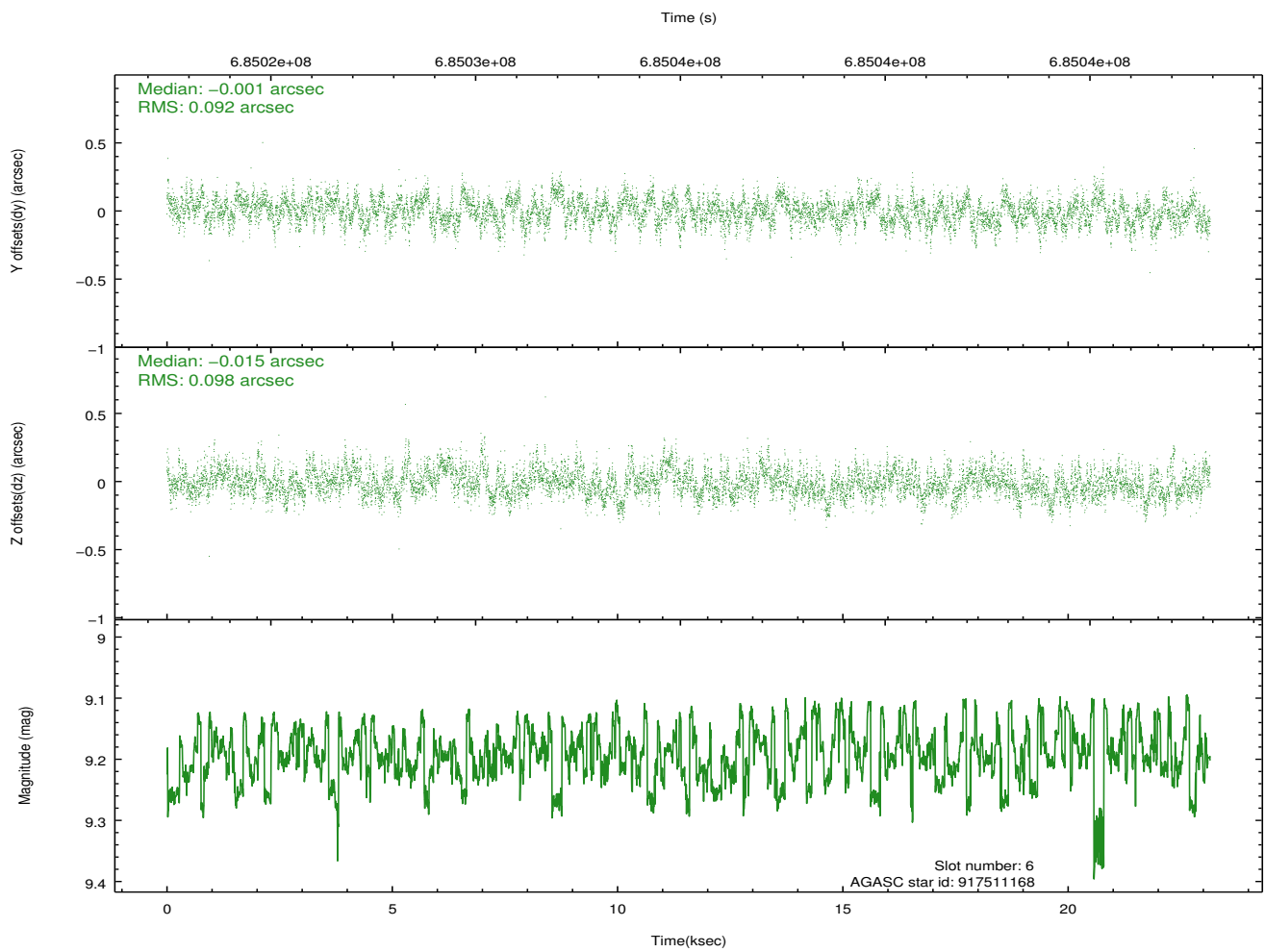
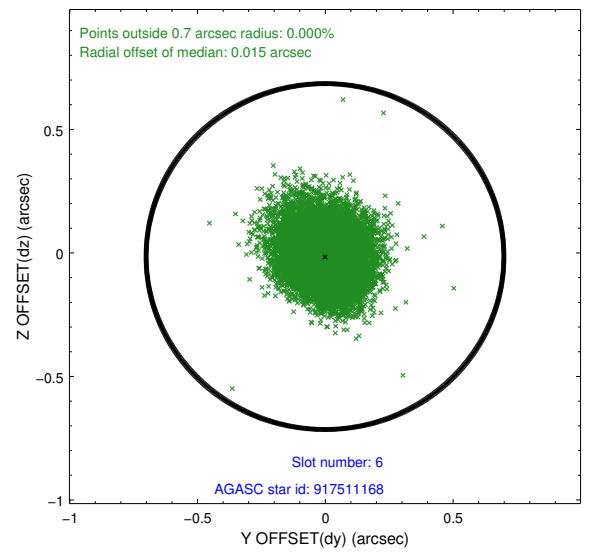
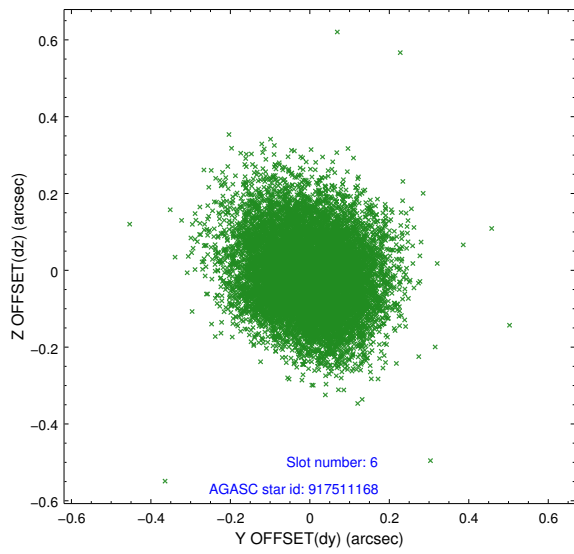
2.4.2 Slot 4



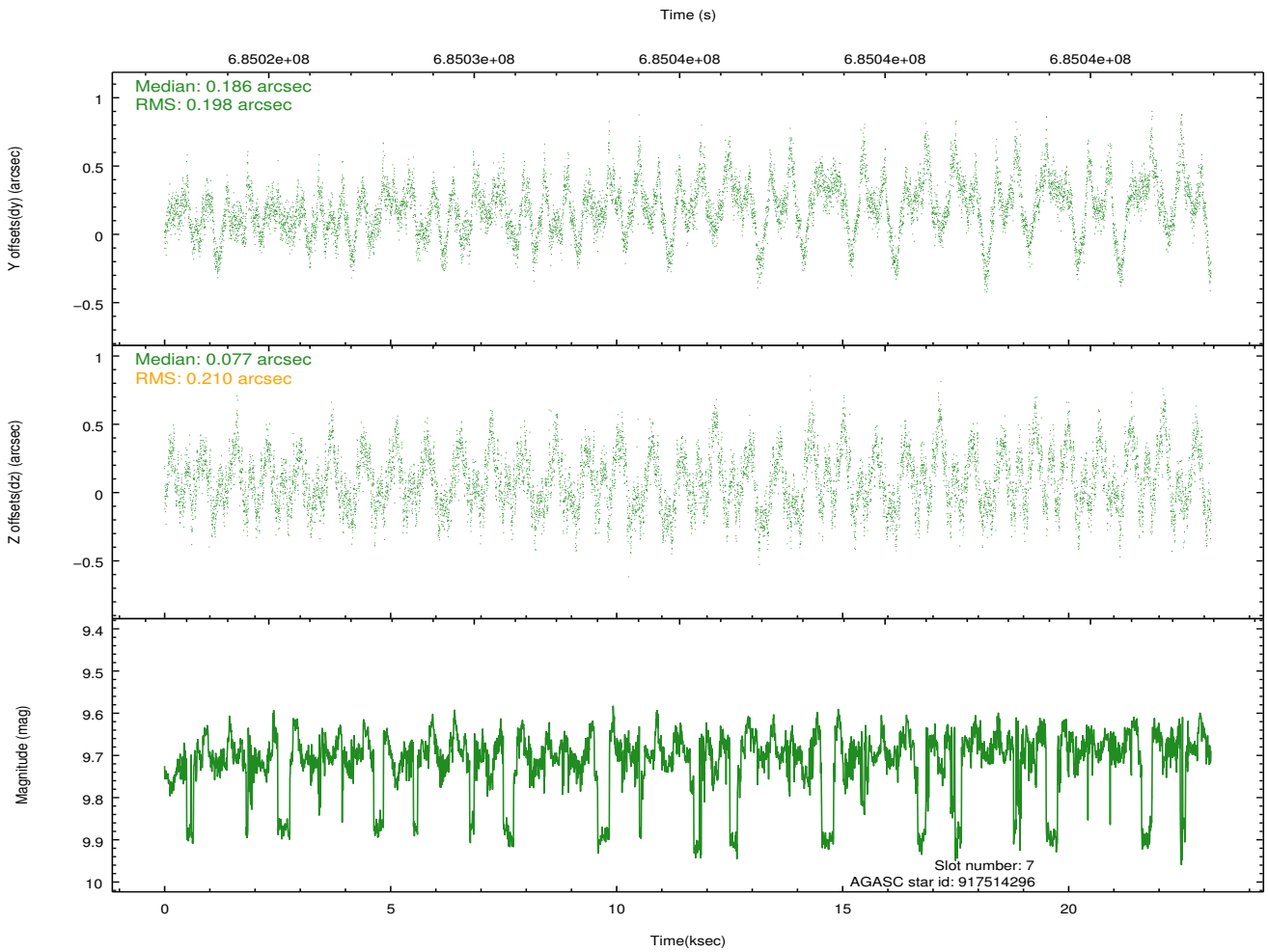
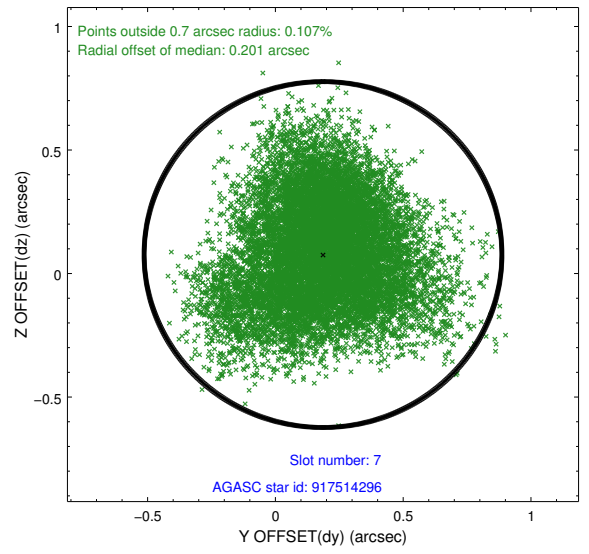
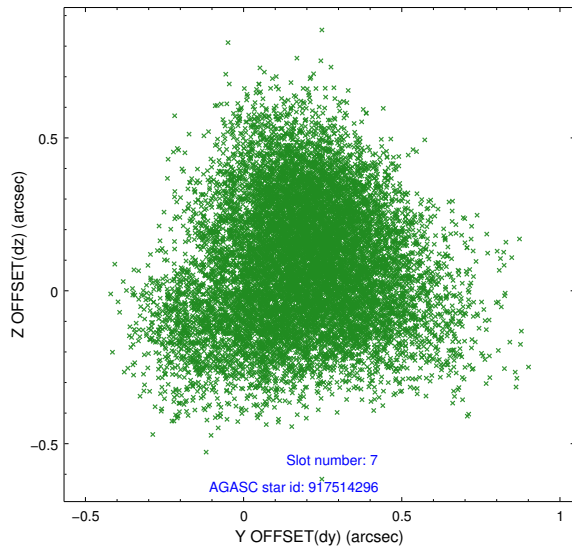
2.4.3 Slot 5



2.4.4 Slot 6

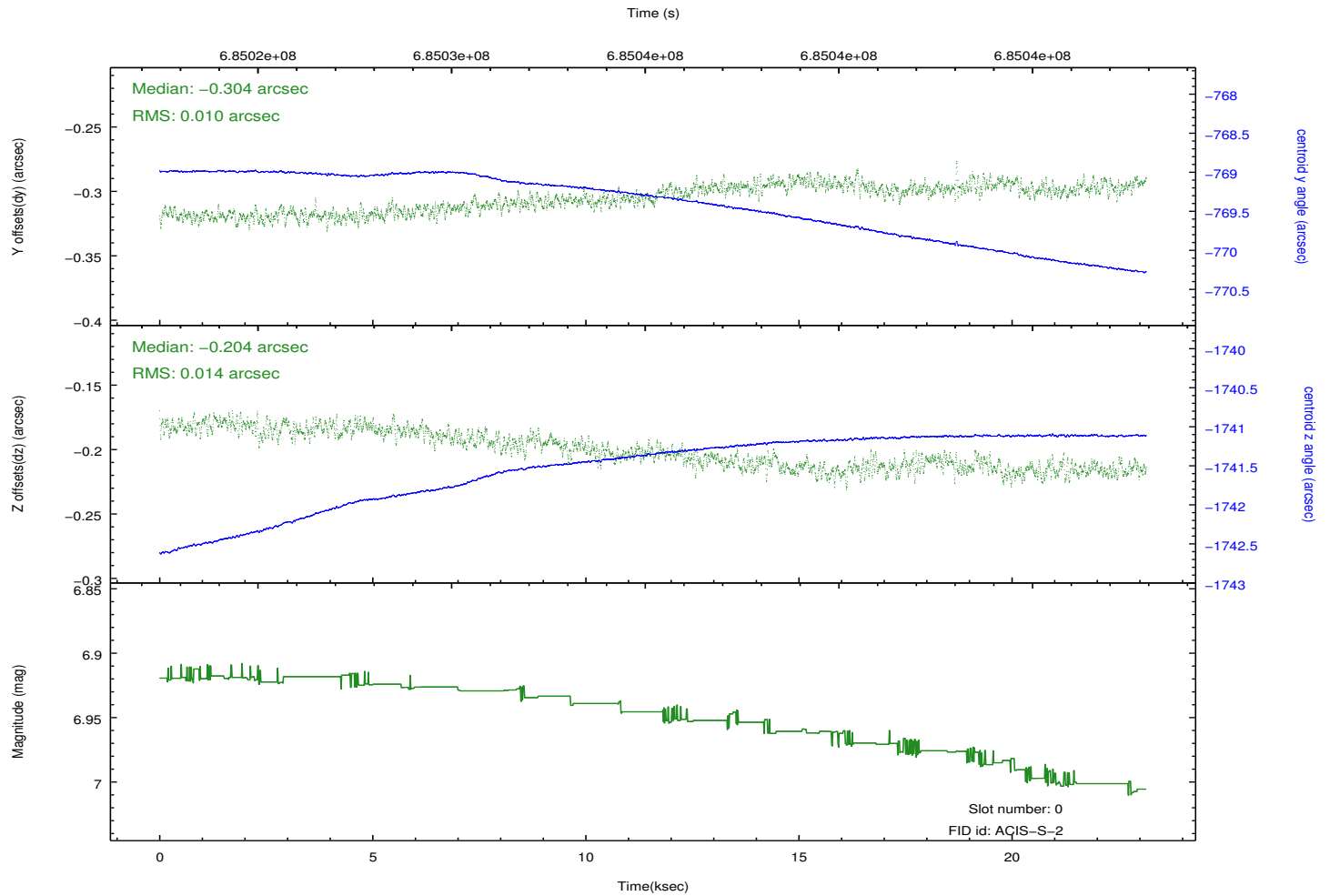
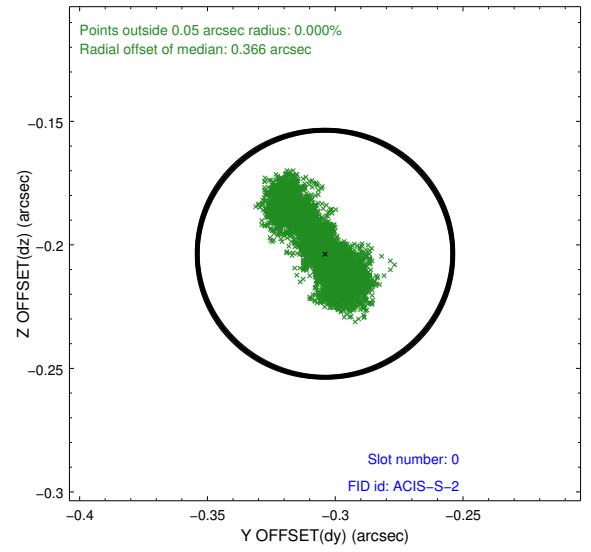
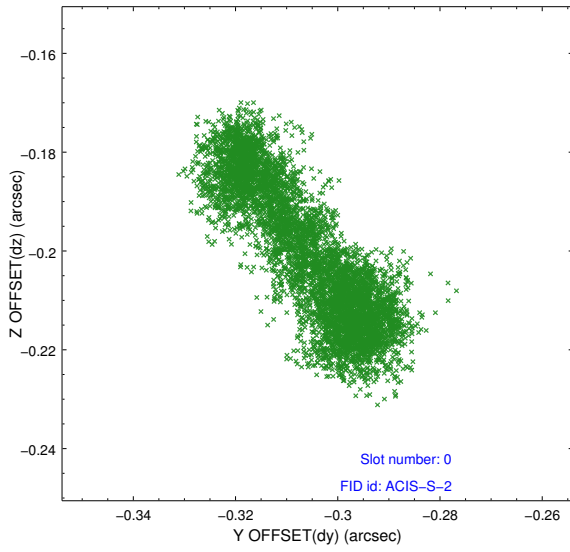


2.4.5 Slot 7

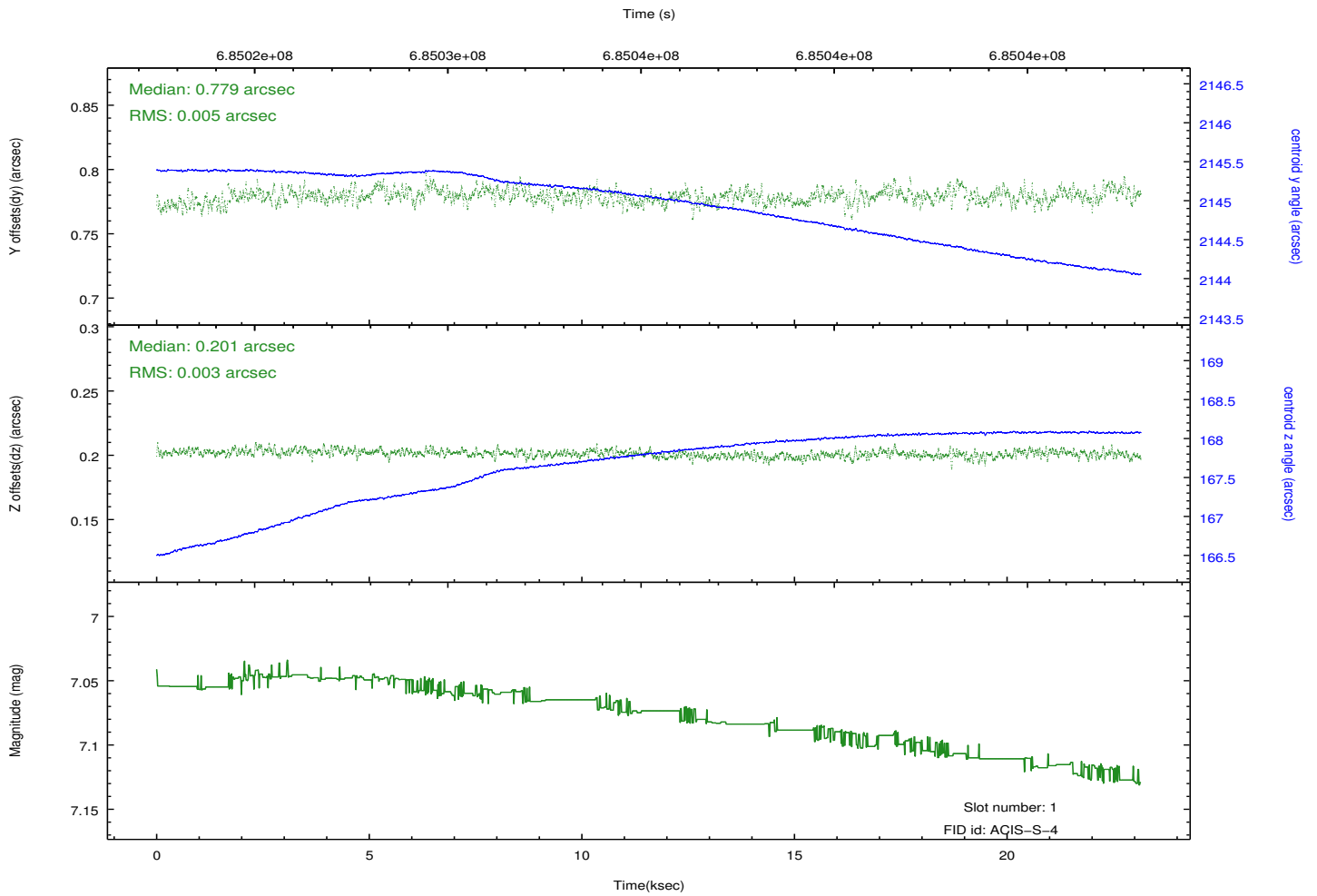
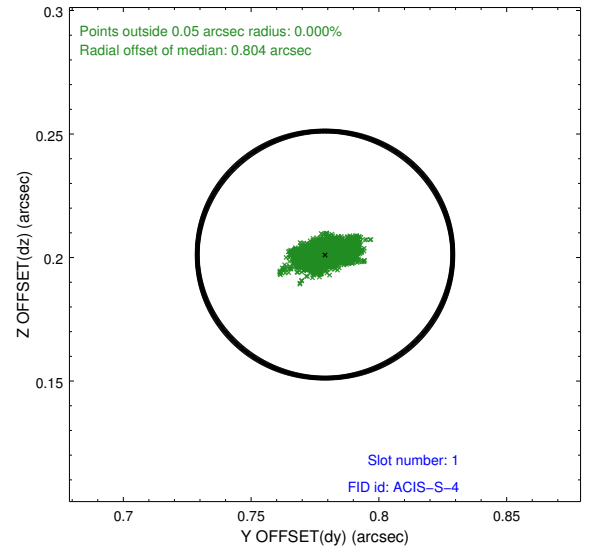
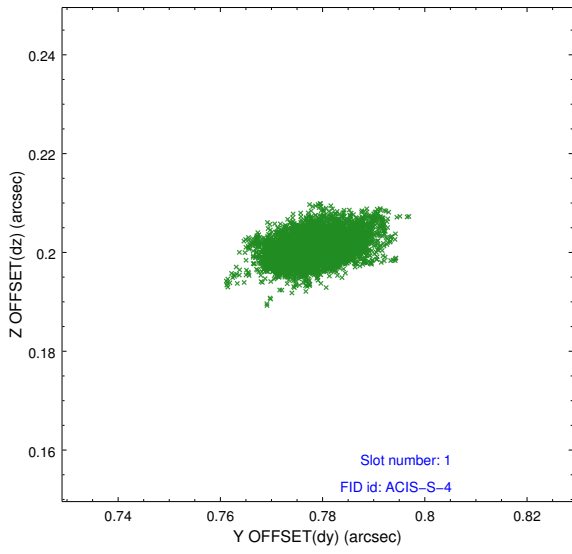


2.5 FID Slots

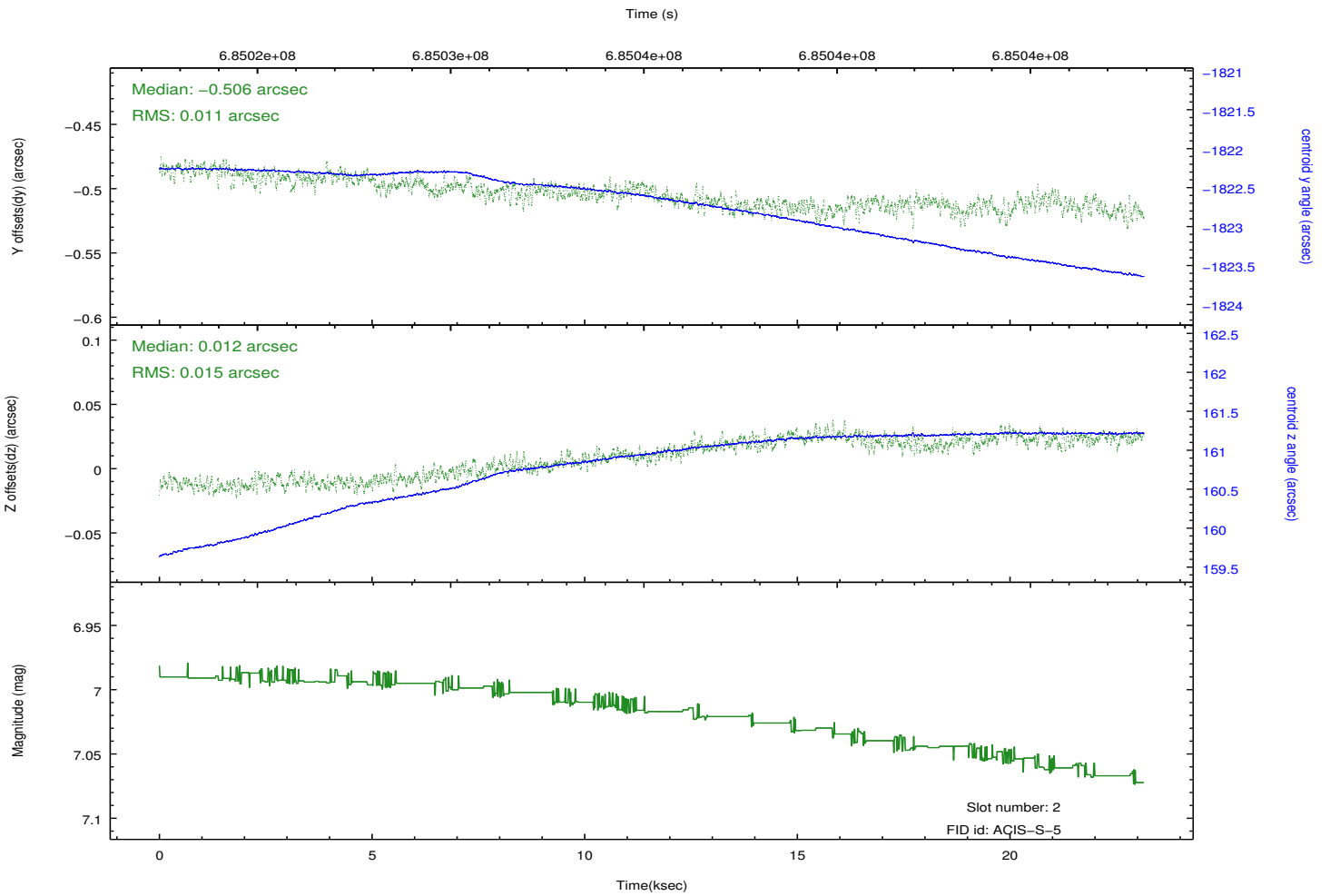
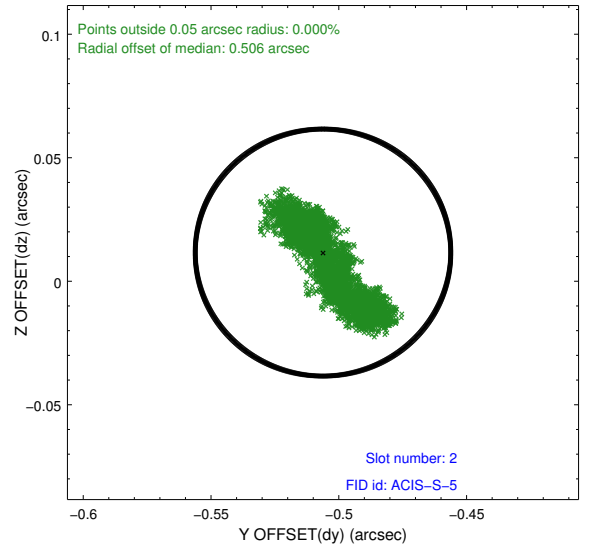
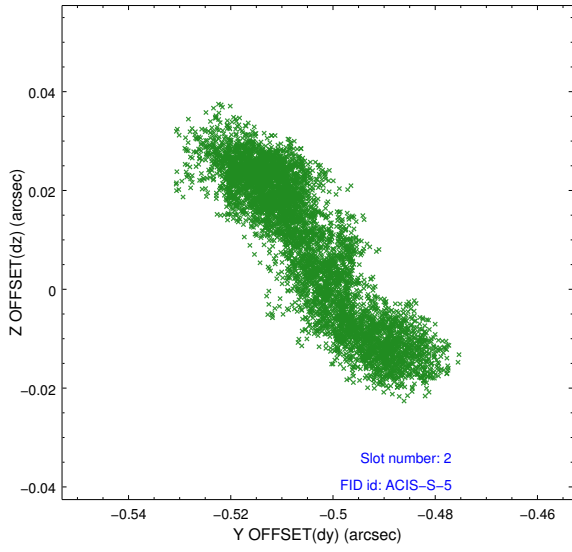
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.113449381232

A.2 Comments