

V&V Reference Report

L2 ASCDS Version : 10.6.4.1

Observation 20623 - L2 Version 1
Chandra X-Ray Center

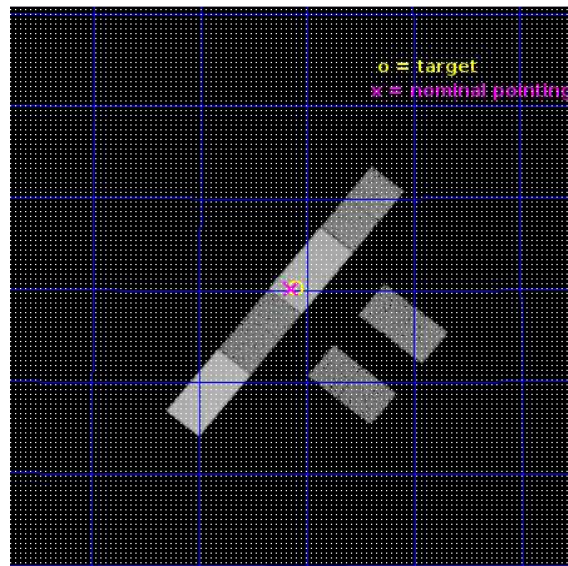
L2 Processing Date : Oct 3 2018

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1 Front

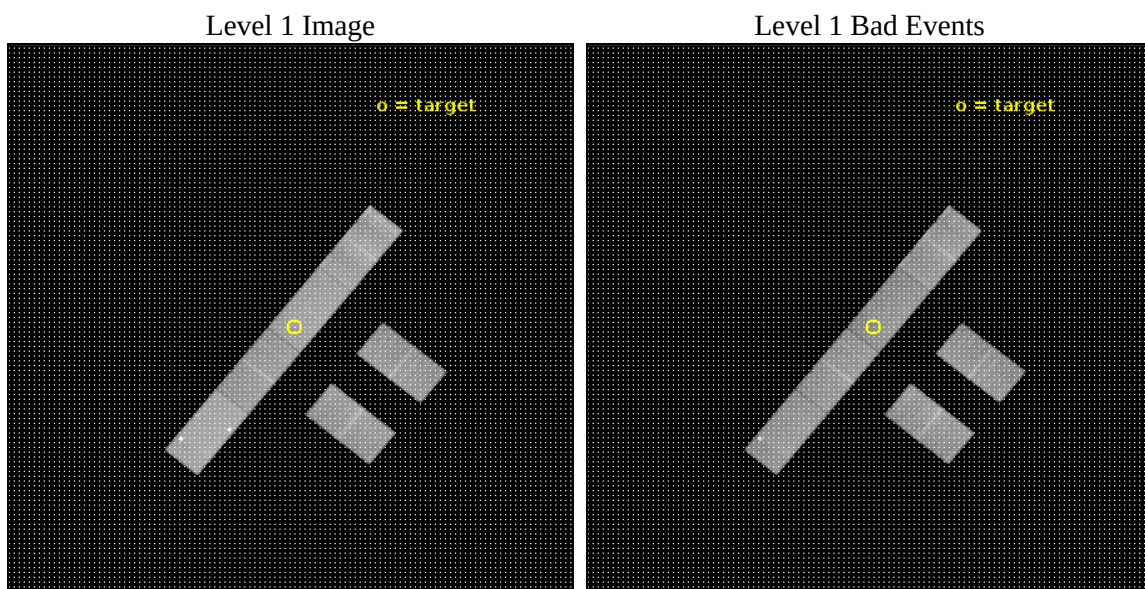
seq_num	703614	Sequence number
obs_id	20623	Observation id
title	Resolved BPT Mapping of Nearby AGN	Proposal title
observer	Walter Maksym	Principal investigator
object	NGC 5929	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	231.525833	Observer's specified target RA [deg]
dec_targ	41.670667	Observer's specified target Dec [deg]
ra_nom	231.5360545467	Nominal RA [deg]
dec_nom	41.669601001587	Nominal Dec [deg]
roll_nom	308.824805214	Nominal Roll [deg]
revision	1	Processing version of data
ontime	27424.566404819	Sum of GTIs [s]
livetime	26813.22487761	Livetime [s]
ontime2	27424.607444763	Sum of GTIs [s]
ontime3	27424.44328475	Sum of GTIs [s]
ontime5	27424.525364757	Sum of GTIs [s]
ontime6	27422.6433146	Sum of GTIs [s]
ontime7	27424.566404819	Sum of GTIs [s]
ontime8	27424.402244806	Sum of GTIs [s]
l2events	187542	Number of level 2 events



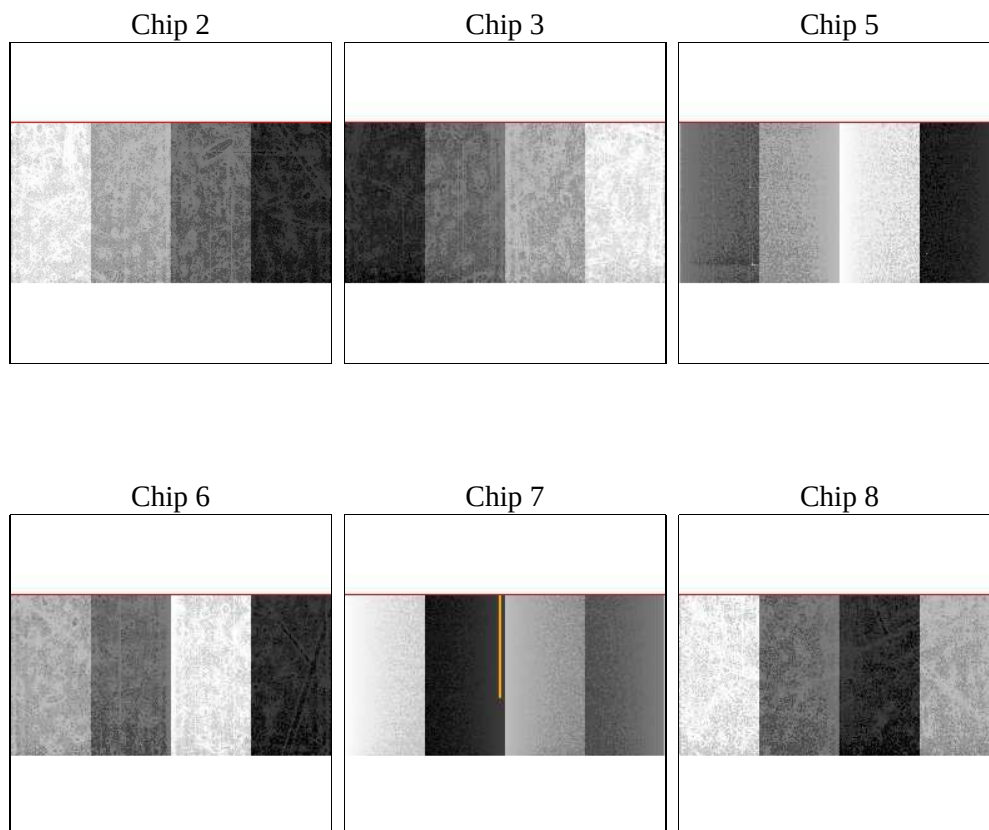
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27350.000000	[s] Scheduled observation exposure time
ascdsver	10.6.4.1	Processing system revision	ontime	27424.566404819	Sum of GTIs [s]
caldsver	4.8.0	 	ontime2	27424.607444763	Sum of GTIs [s]
date	2018-10-03T19:53:05	Date and time of file creation	ontime3	27424.44328475	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	27424.525364757	Sum of GTIs [s]
			ontime6	27422.6433146	Sum of GTIs [s]
			ontime7	27424.566404819	Sum of GTIs [s]
			ontime8	27424.402244806	Sum of GTIs [s]
			l1events	803650	Number of level 1 events

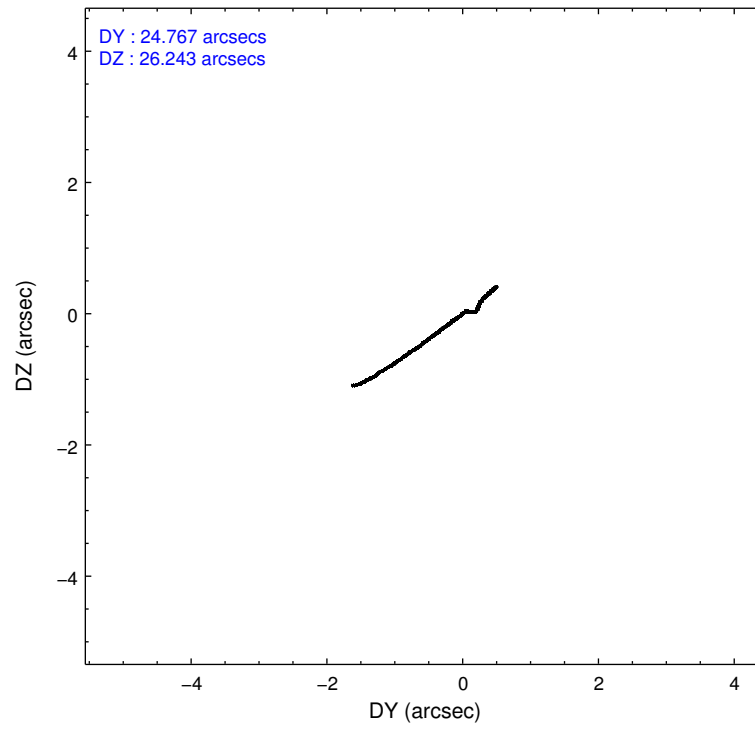
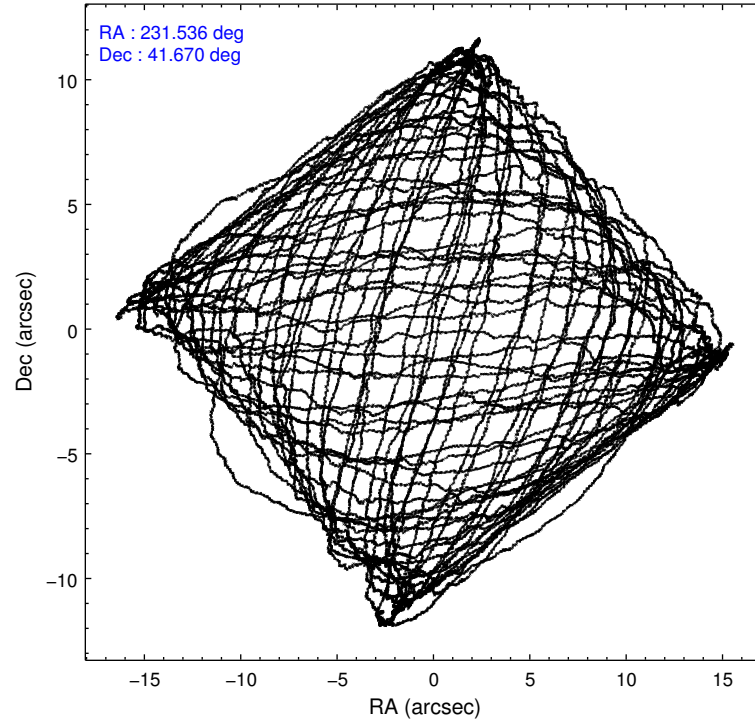
2.1.4 Events

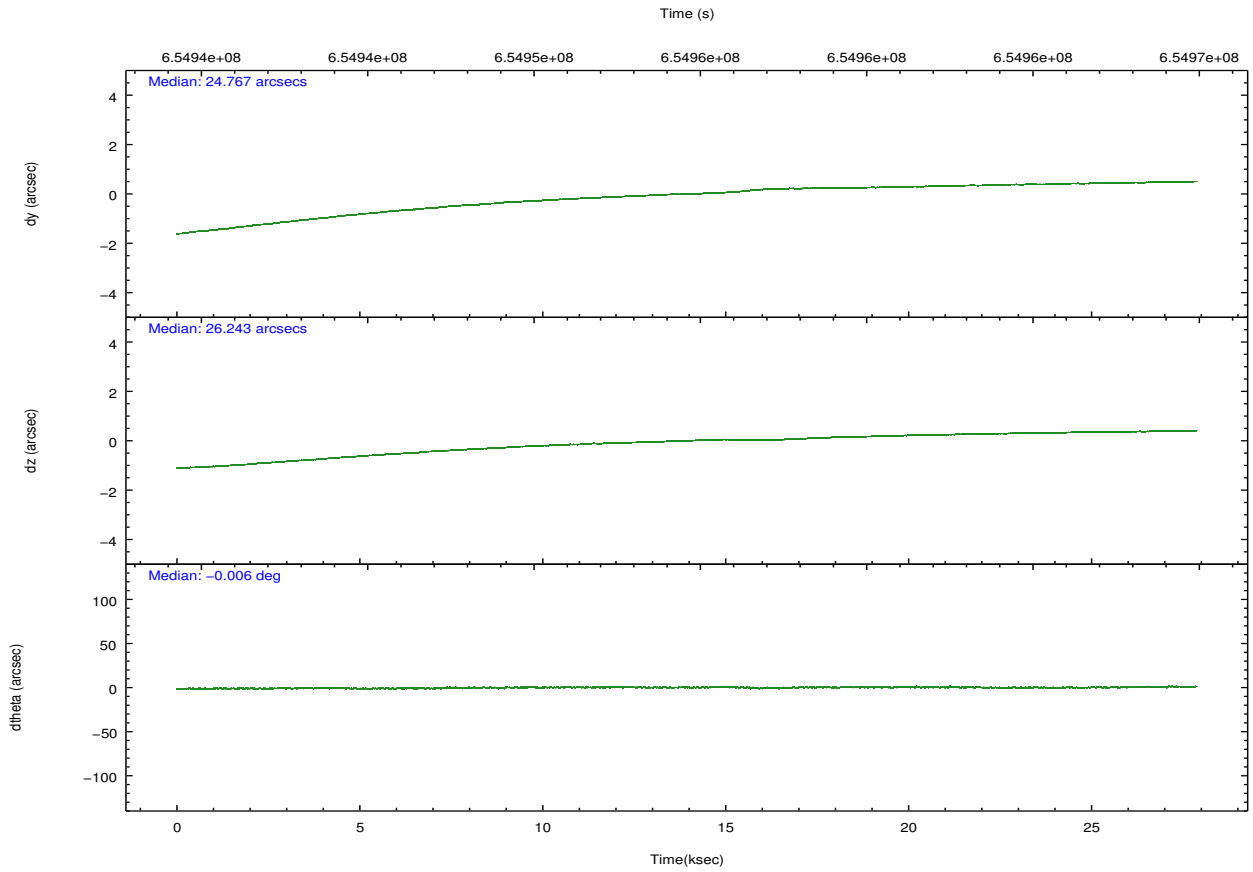
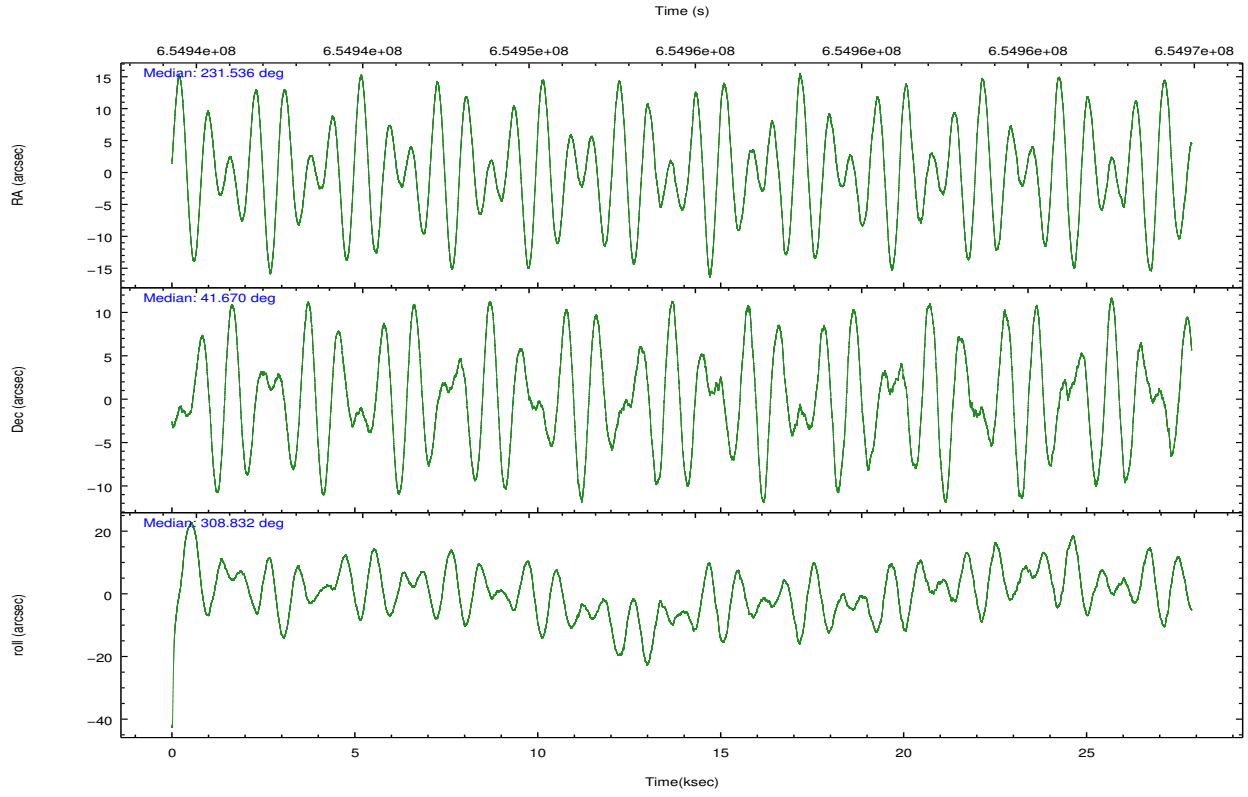
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	112910	101921	194223	109332	139688	145576	grade 0 events	4159	4219	19119	4063	6230	11831
rejected events	100524	90226	92595	96669	75362	104238		3%	4%	9%	3%	4%	8%
rejected %	89%	88%	47%	88%	53%	71%	grade 1 events	43	56	586	51	250	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	3069	2483	32181	2814	13947	9650
								2%	2%	16%	2%	9%	6%
							grade 3 events	1377	1380	3613	1489	6072	4388
								1%	1%	1%	1%	4%	3%
							grade 4 events	1471	1351	3385	1449	5958	4254
								1%	1%	1%	1%	4%	2%
							grade 5 events	4515	4985	14224	5126	14662	7411
								3%	4%	7%	4%	10%	5%
							grade 6 events	2314	2264	43343	2849	32130	11218
								2%	2%	22%	2%	23%	7%
							grade 7 events	95962	85183	77772	91491	60439	96732
								84%	83%	40%	83%	43%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	231.501606	231.5360545467018	CCD I2 on	O2	Y
[deg] Pointing Dec	41.679153	41.66960100158722	CCD I3 on	O4	Y
[deg] Pointing Roll	308.691080	308.8248052140017	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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)	654941180.184000	654940207.89588	CCD S5 on	N	N
Observation start date	2018-10-03T08:05:11	2018-10-03T07:50:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	654968530.184000	654969427.06012	On-chip summing requested	N	N
Observation end date	2018-10-03T15:41:01	2018-10-03T15:57:07	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.8

2.3 Aspect



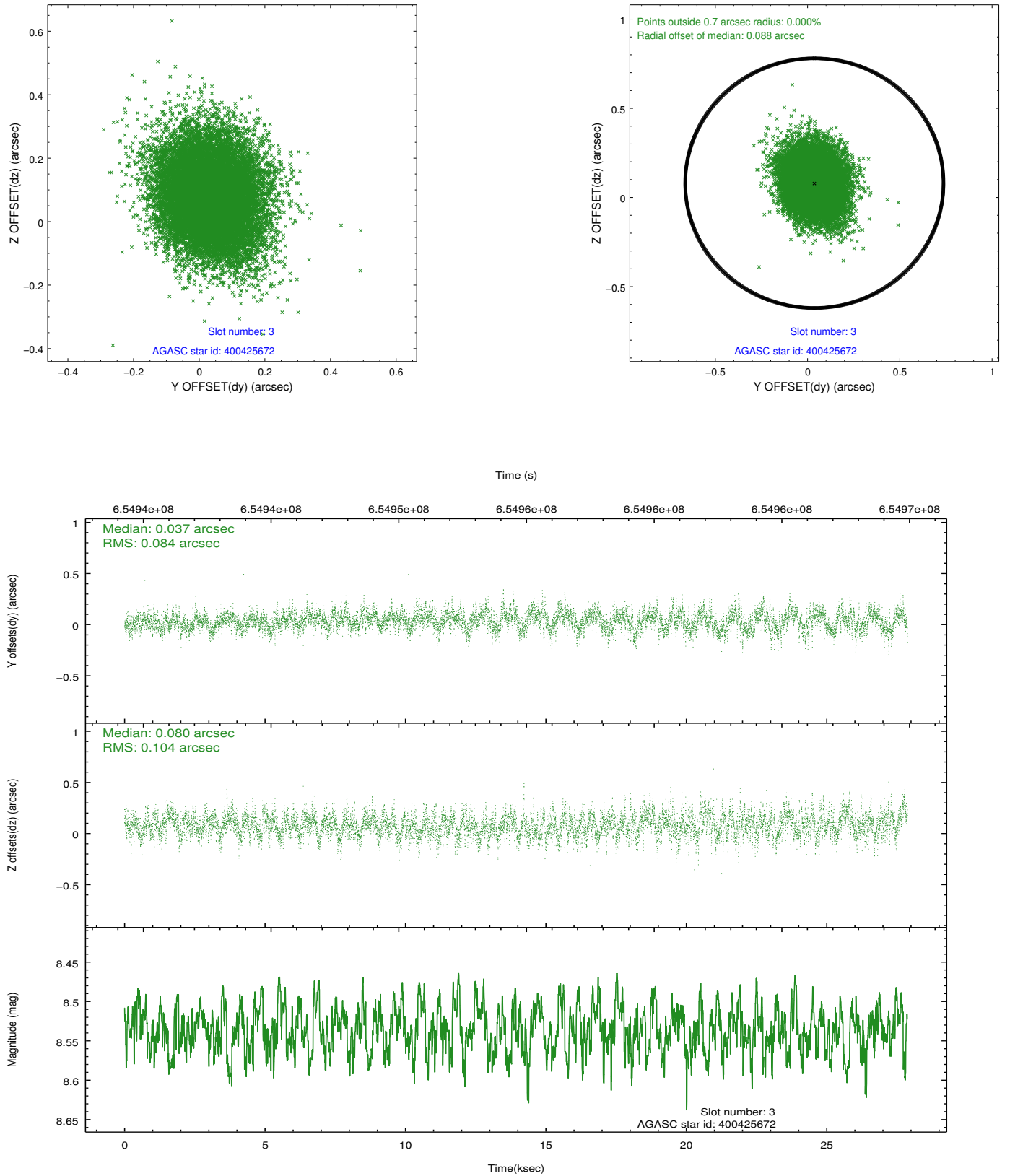


Slot Statistics

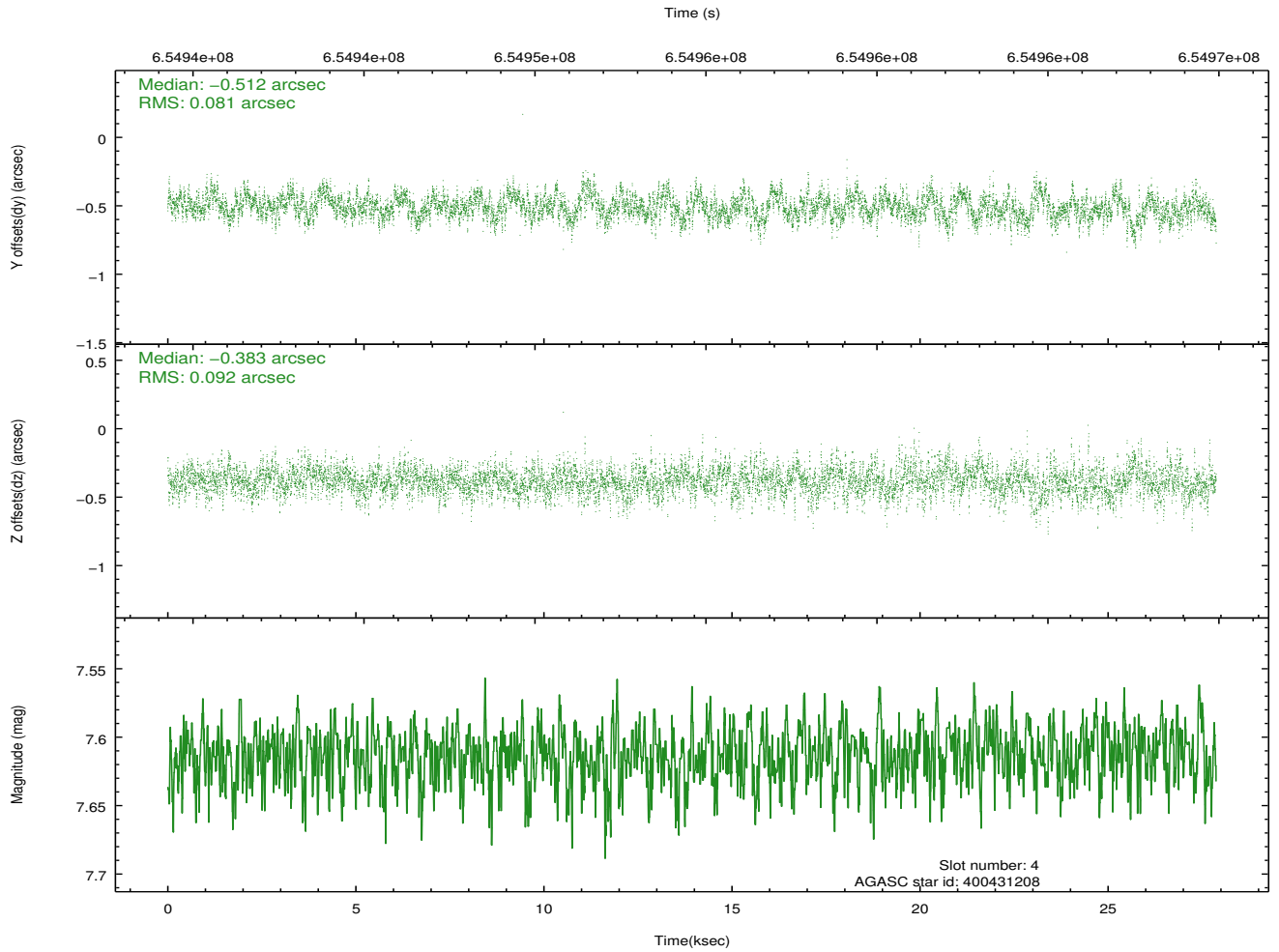
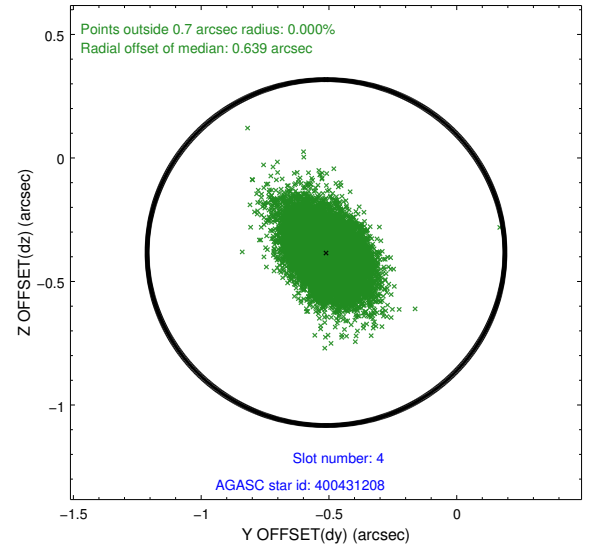
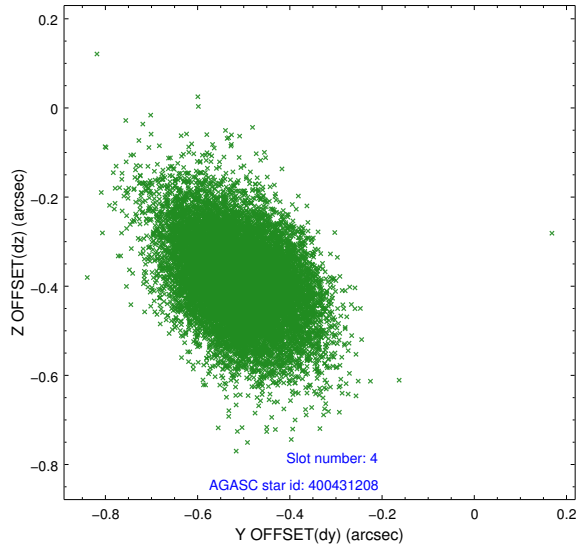
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.97	6798	1.000	-0.320	-0.049	0.018	0.047	0.000000	0.000000	-778.06	-1747
1	FID		ACIS-S-4	7.07	6798	1.000	0.607	0.168	0.011	0.046	0.000000	0.000000	2136.01	160
2	FID		ACIS-S-5	7.10	6799	1.000	-0.319	-0.107	0.011	0.016	0.000000	0.000000	-1830.87	154
3	GUIDE	used	400425672	8.54	13590	1.000	0.037	0.080	0.141	0.232	231.320834	41.994310	-1187.82	332
4	GUIDE	used	400431208	7.61	13594	1.000	-0.512	-0.383	0.127	0.217	232.264969	41.560087	1612.07	1342
5	GUIDE	used	400431464	8.62	13580	1.000	0.092	-0.065	0.137	0.233	231.452852	41.840721	-535.04	261
6	GUIDE	used	400432120	9.28	13580	1.000	0.320	0.389	0.171	0.292	231.186203	41.646353	-439.72	-734
7	GUIDE	used	400427944	9.25	13577	1.000	0.058	-0.026	0.209	0.377	231.473207	42.193046	-1490.71	1097

2.4 Star Slots

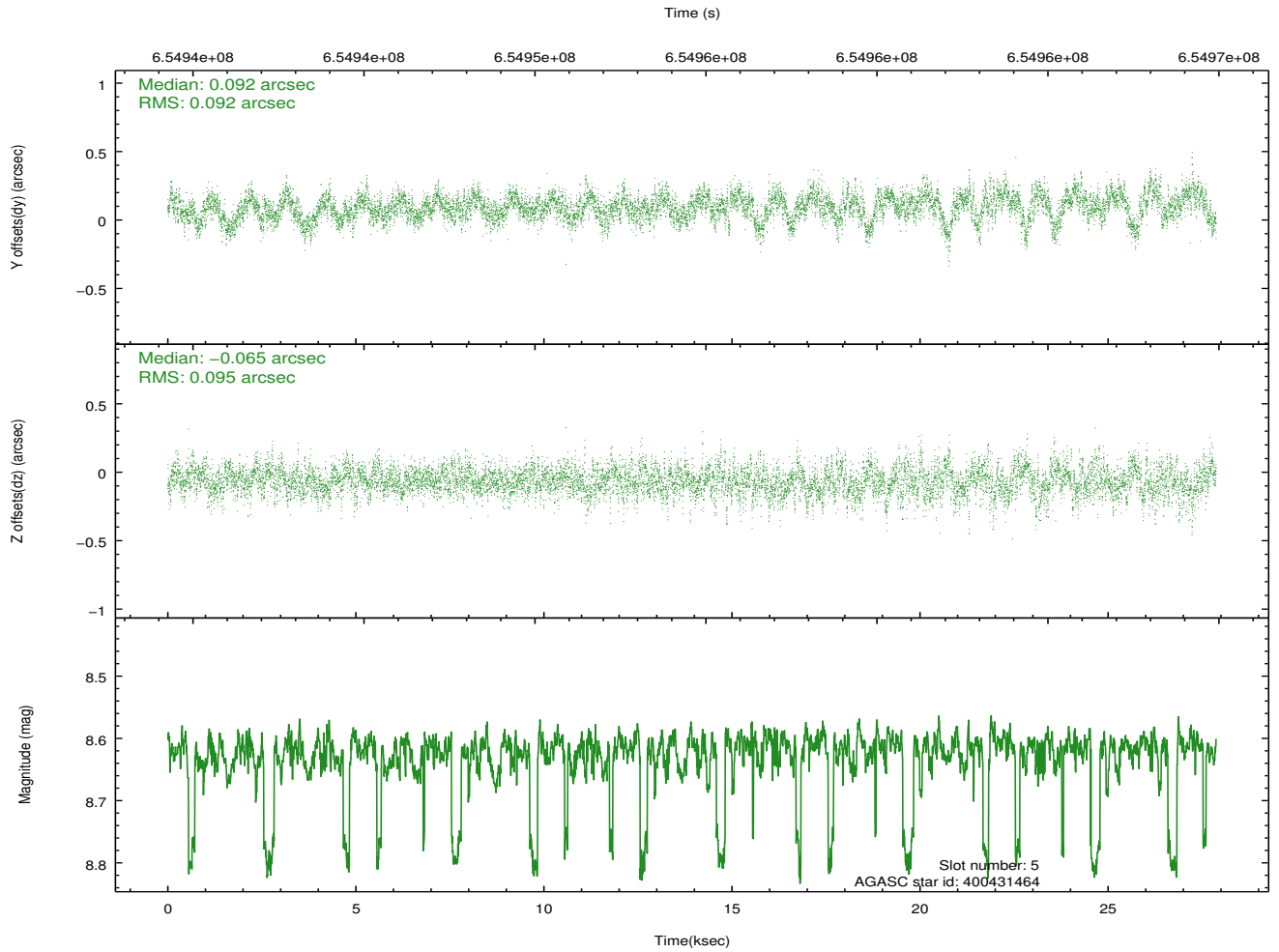
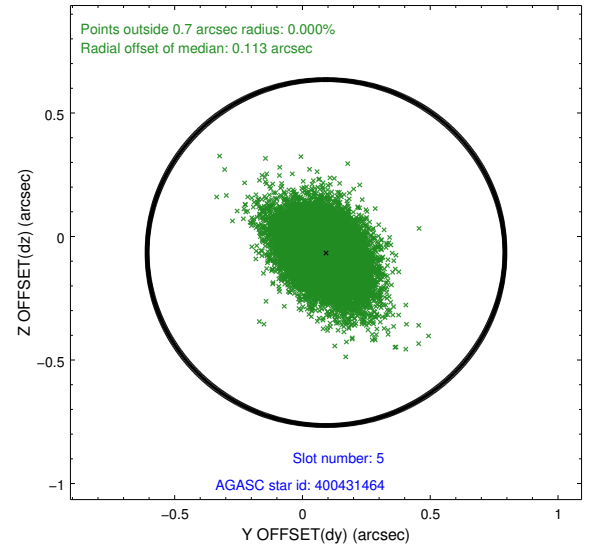
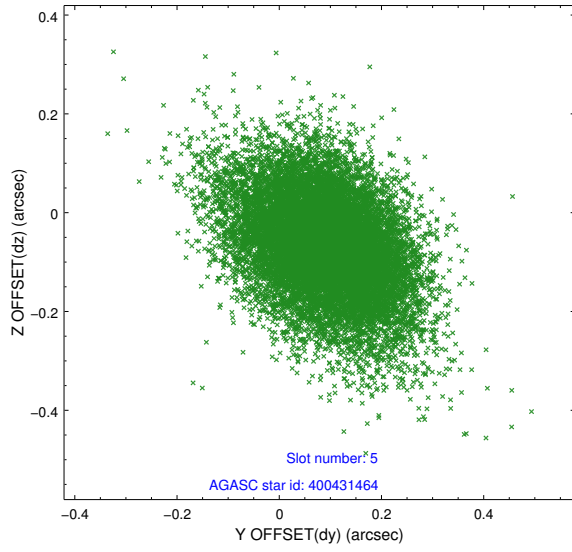
2.4.1 Slot 3



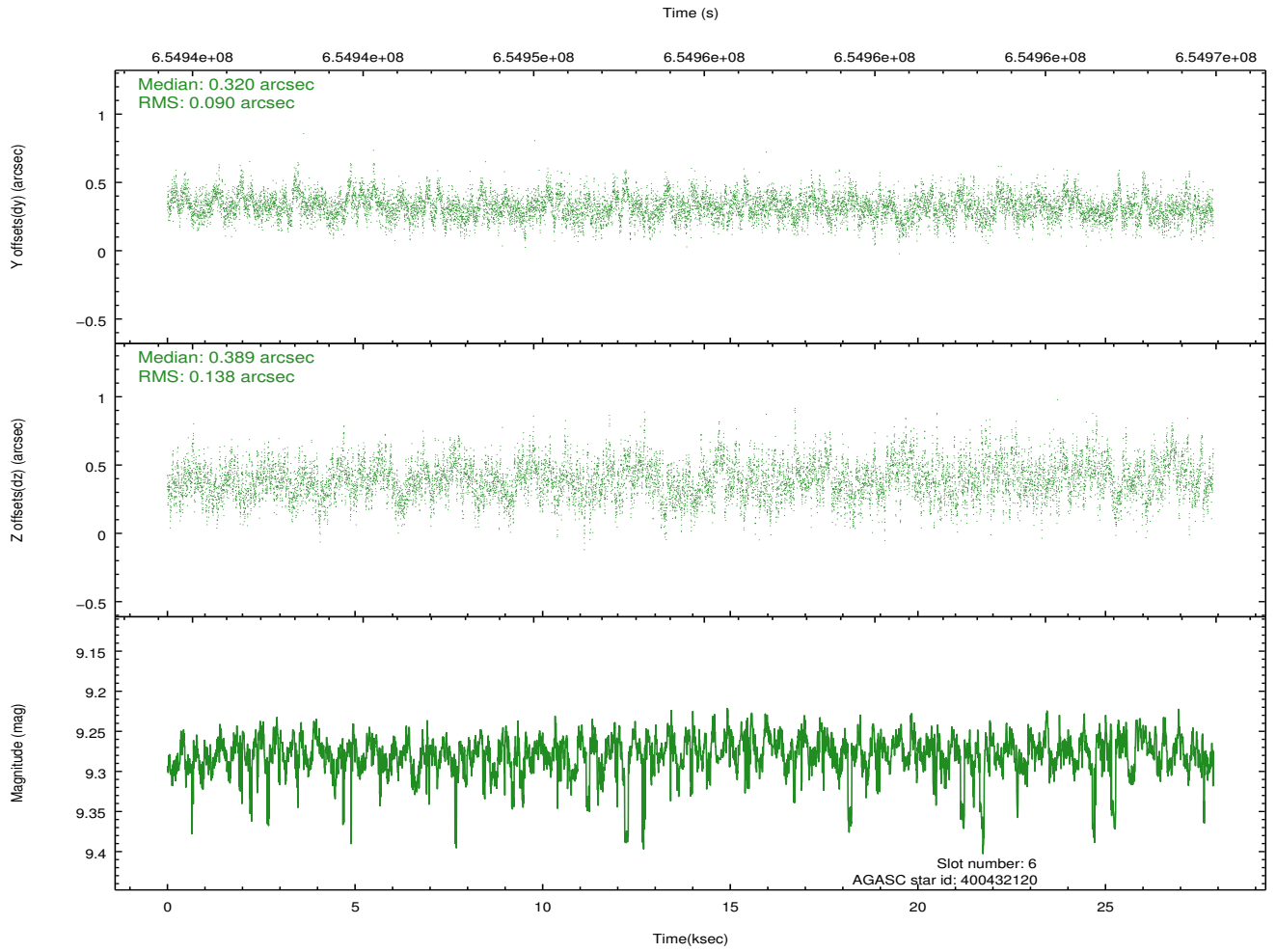
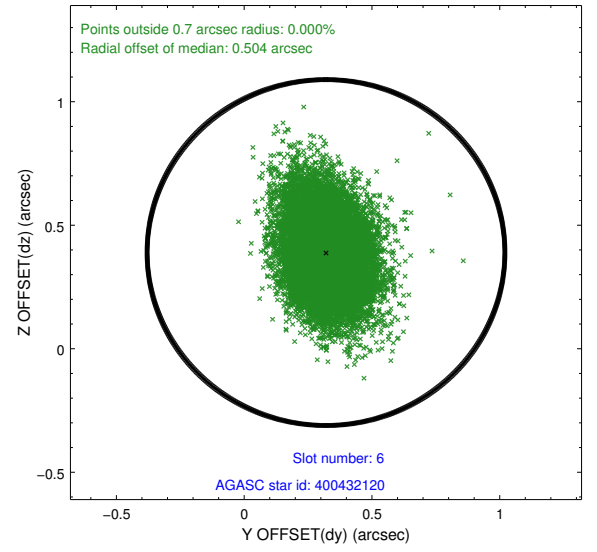
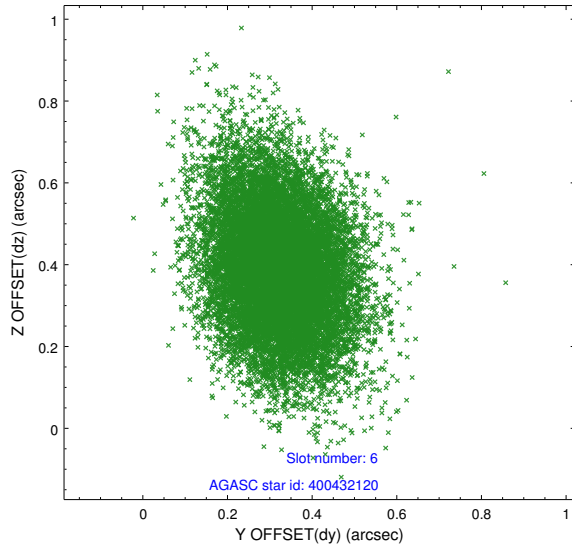
2.4.2 Slot 4



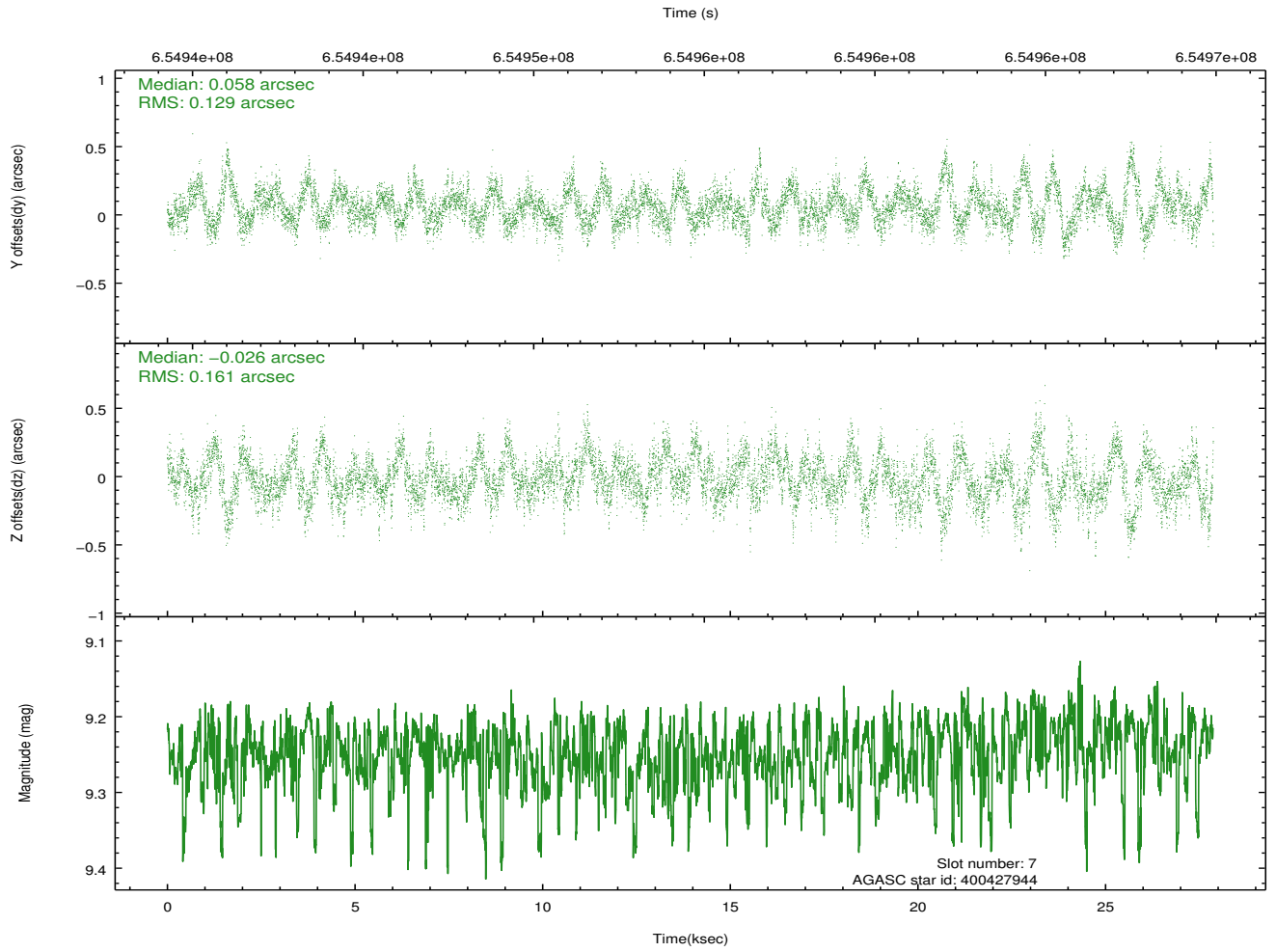
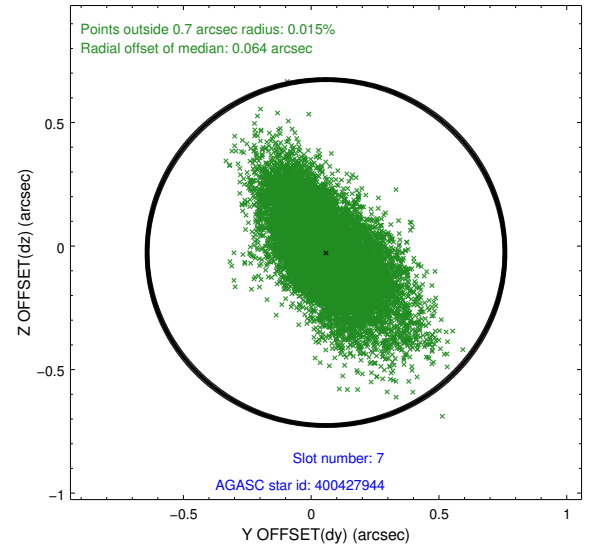
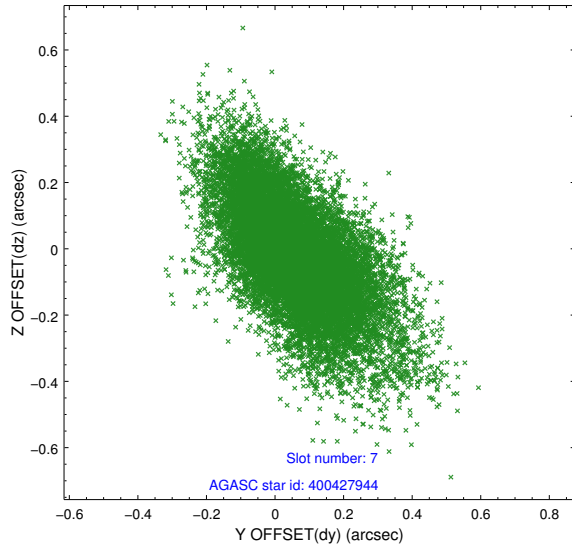
2.4.3 Slot 5



2.4.4 Slot 6

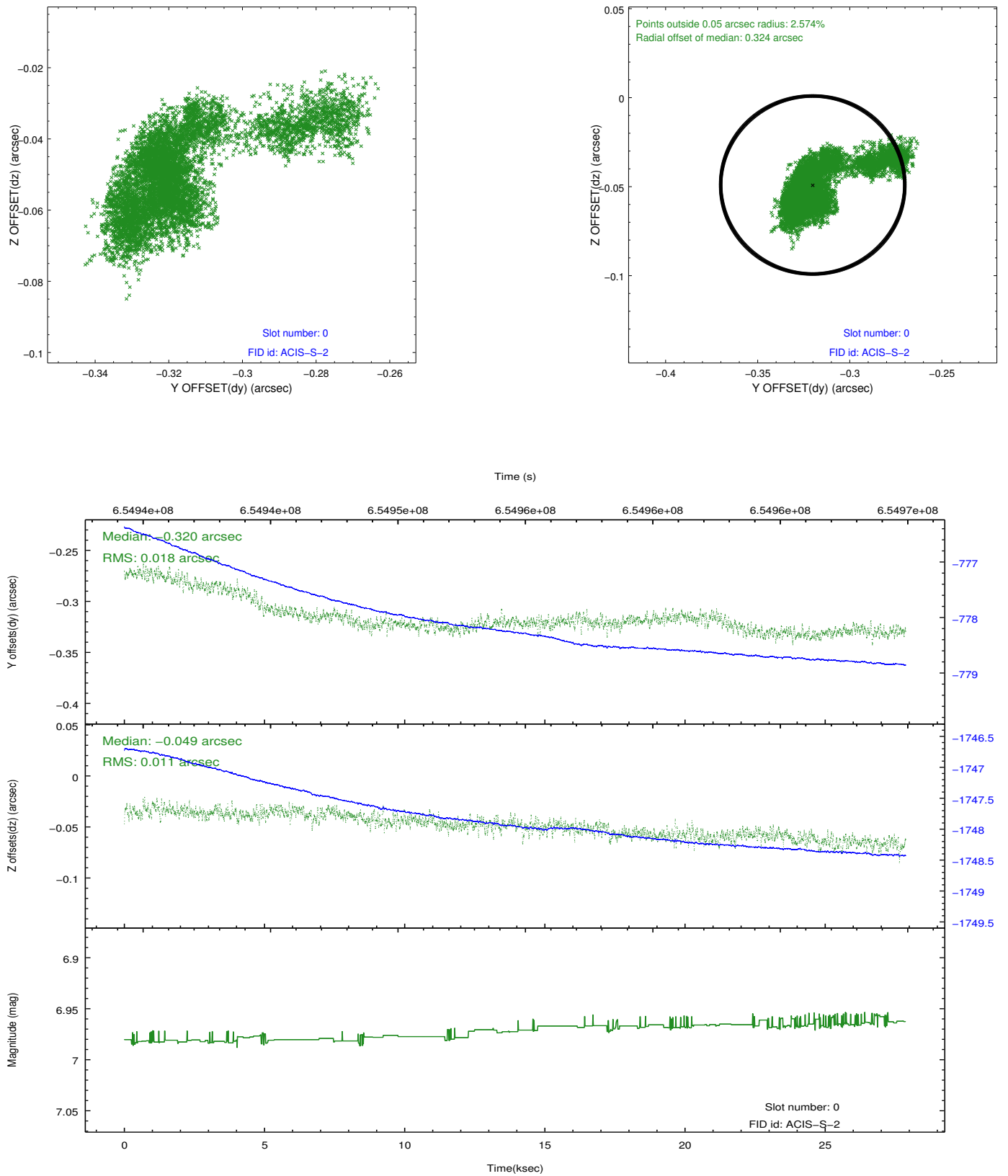


2.4.5 Slot 7

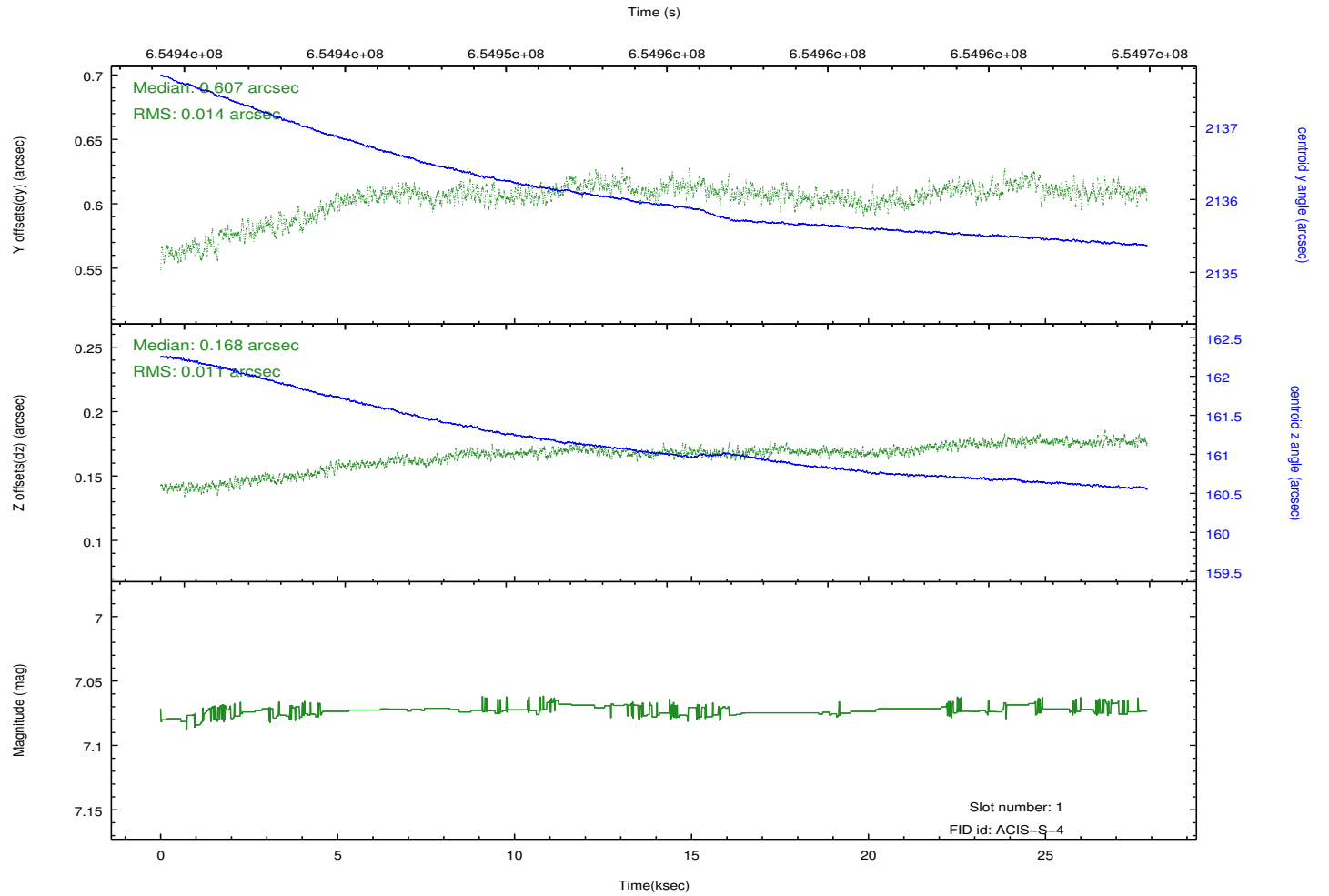
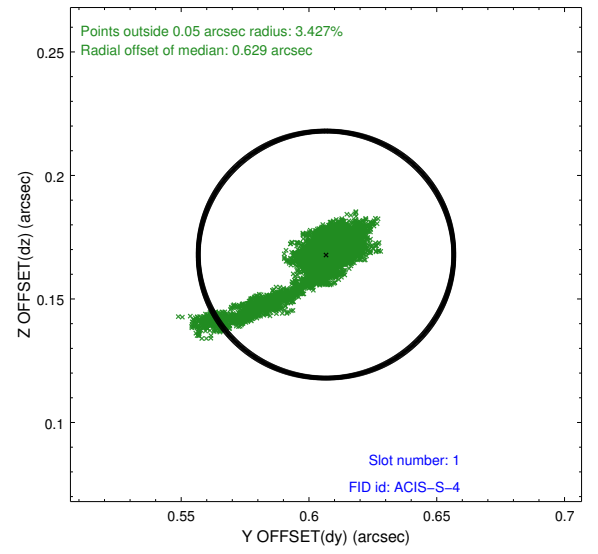
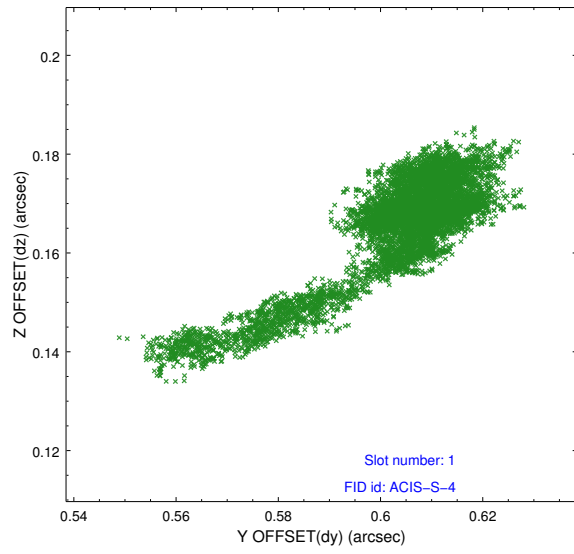


2.5 FID Slots

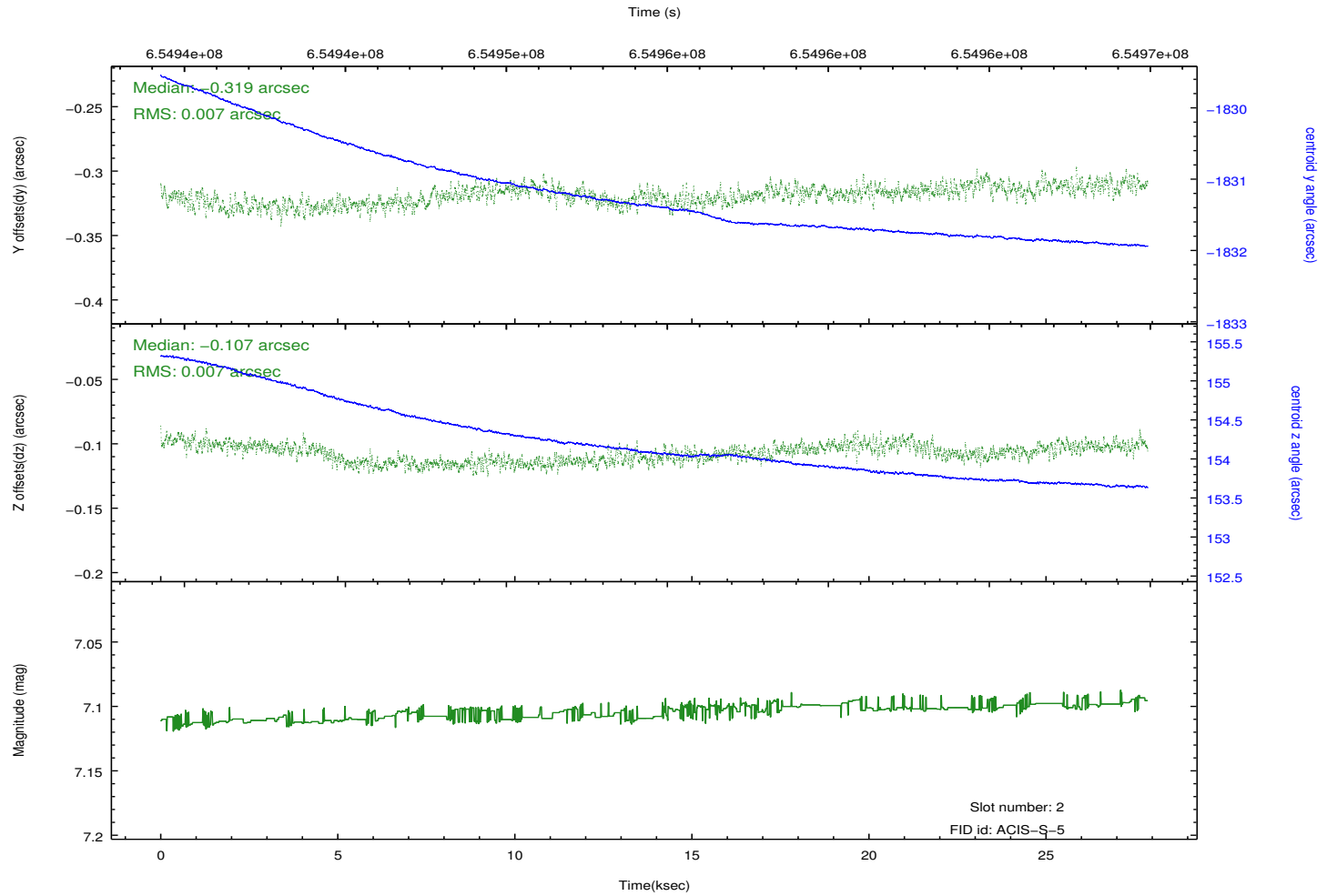
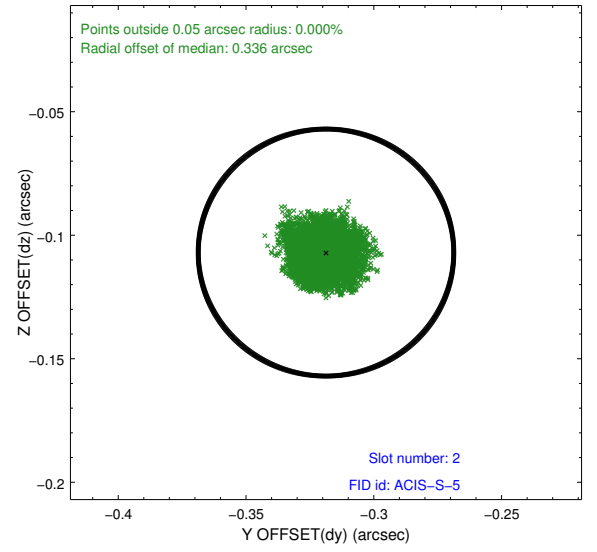
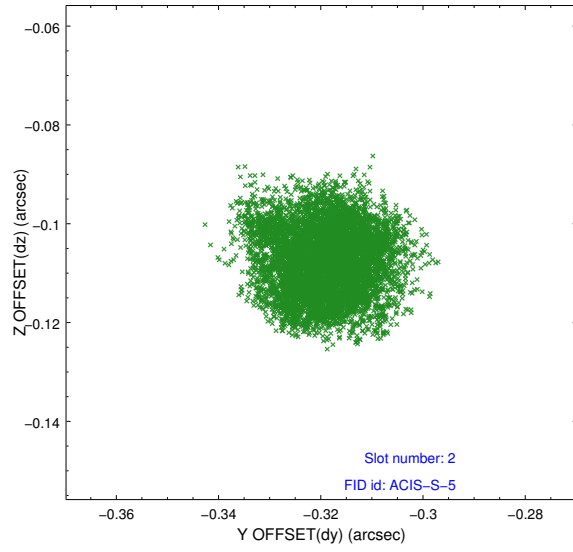
2.5.1 Slot 0



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)	2018.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.424566404819

A.2 Comments

Joint proposal with HST.