

V&V Reference Report

L2 ASCDS Version : 10.6.4.1

Observation 21868 - L2 Version 1
Chandra X-Ray Center

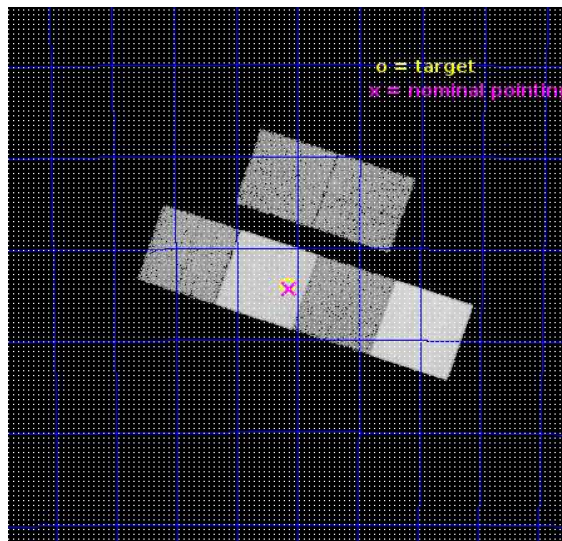
L2 Processing Date : Oct 8 2018

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1 Front

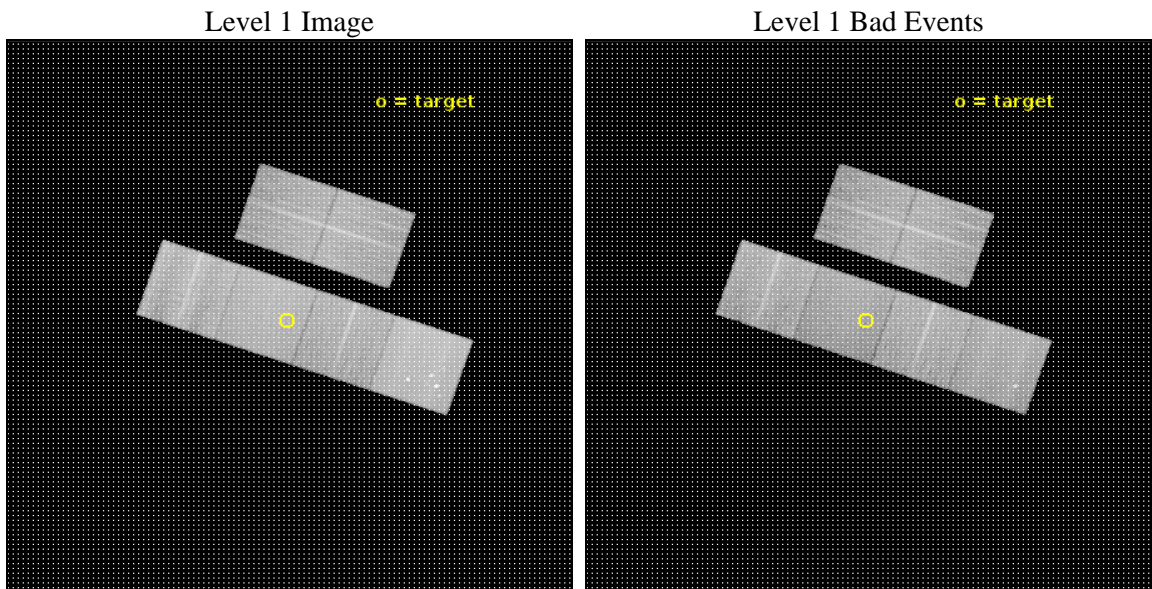
seq_num	402113	Sequence number
obs_id	21868	Observation id
title	A multi-wavelength ATCA/GAIA/Chandra search for the weakest Jets	P
observer	Mark Reynolds	Principal investigator
object	GS 1354-64	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.540417	Observer's specified target RA [deg]
dec_targ	-64.734778	Observer's specified target Dec [deg]
ra_nom	209.53517444477	Nominal RA [deg]
dec_nom	-64.740191984725	Nominal Dec [deg]
roll_nom	198.70440405282	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19948.80029726	Sum of GTIs [s]
livetime	19696.196576171	Livetime [s]
ontime2	19945.559316754	Sum of GTIs [s]
ontime3	19948.80029726	Sum of GTIs [s]
ontime5	19948.80029726	Sum of GTIs [s]
ontime6	19948.80029726	Sum of GTIs [s]
ontime7	19948.80029726	Sum of GTIs [s]
ontime8	19945.559406281	Sum of GTIs [s]
l2events	252578	Number of level 2 events



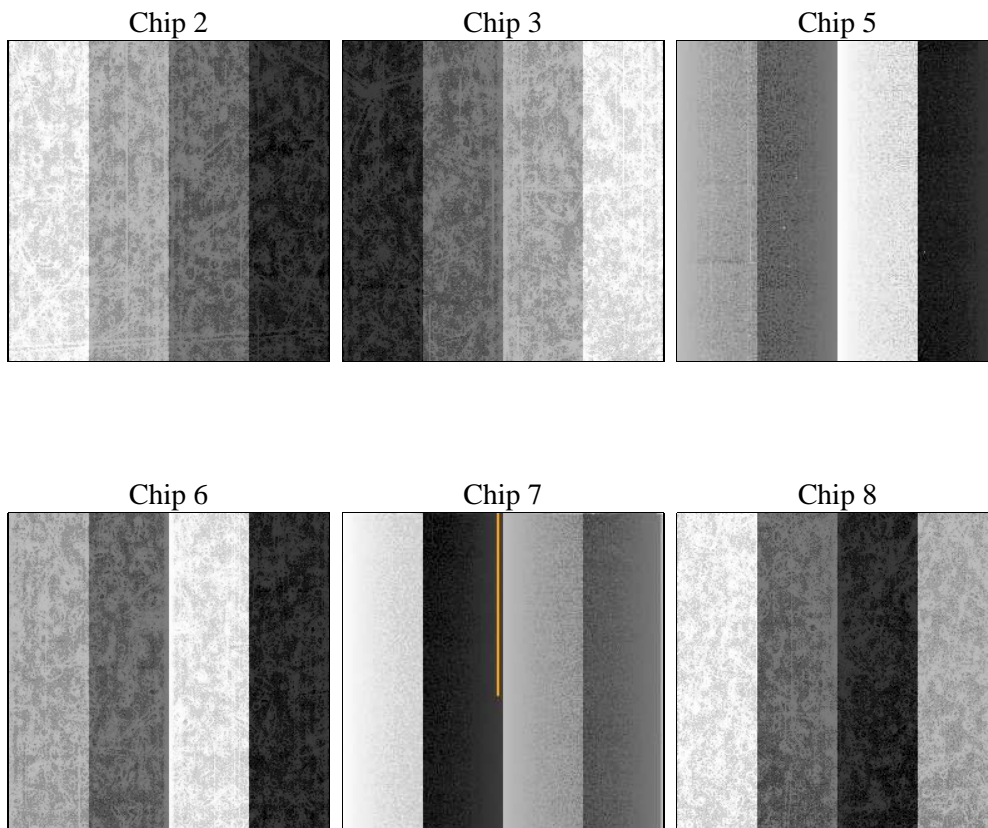
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.6.4.1	Processing system revision	ontime	19948.80029726	Sum of GTIs [s]
caldbver	4.8.0	 	ontime2	19945.559316754	Sum of GTIs [s]
date	2018-10-08T16:35:42	Date and time of file creation	ontime3	19948.80029726	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	19948.80029726	Sum of GTIs [s]
			ontime6	19948.80029726	Sum of GTIs [s]
			ontime7	19948.80029726	Sum of GTIs [s]
			ontime8	19945.559406281	Sum of GTIs [s]
			l1events	1090781	Number of level 1 events

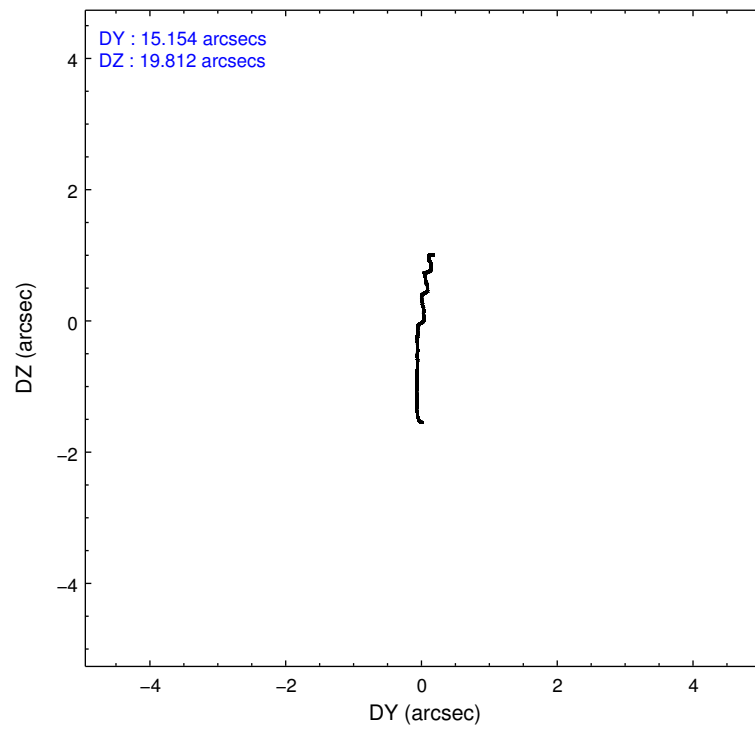
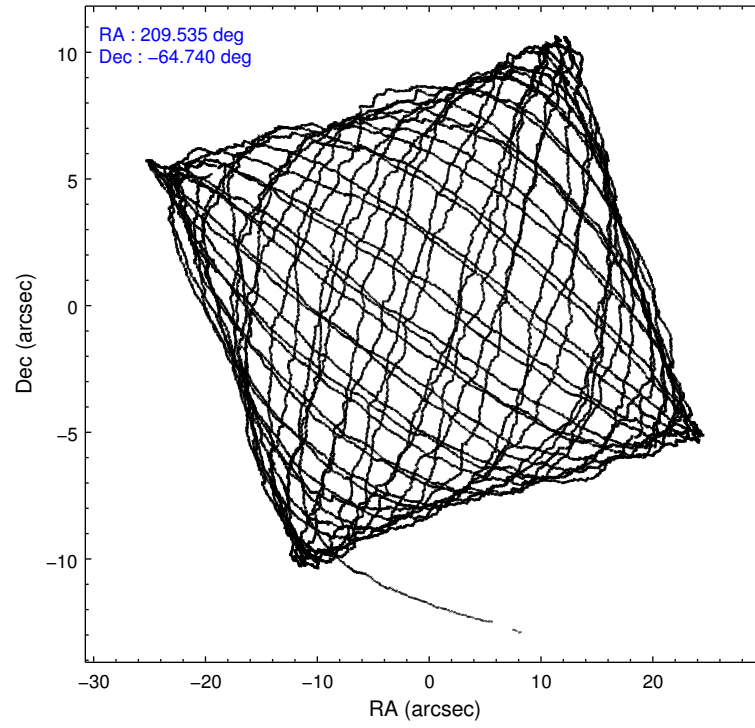
2.1.4 Events

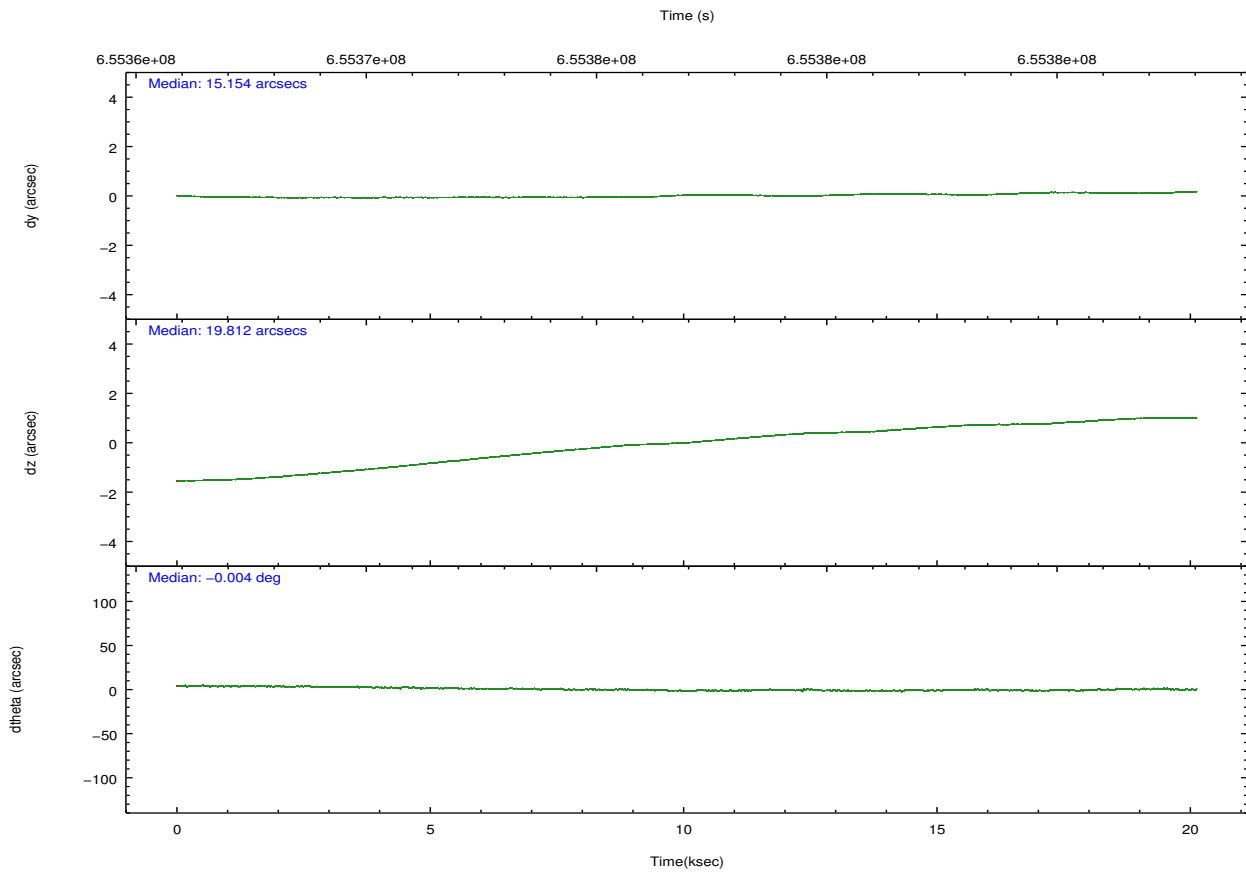
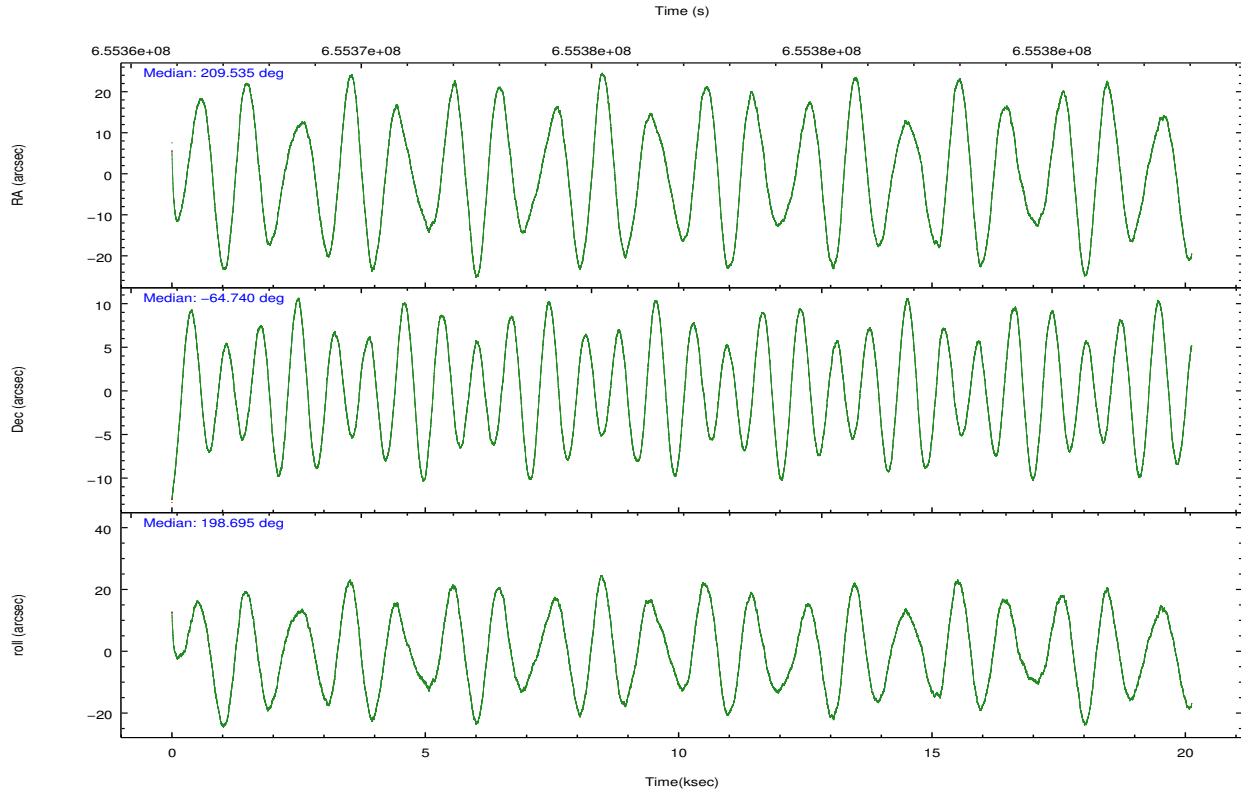
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	162707	144374	242874	156755	190454	193617	grade 0 events	6943	6193	12677	6018	7334	15051
rejected events	145005	128194	123702	139269	106902	141602		4%	4%	5%	3%	3%	7%
rejected %	89%	88%	50%	88%	56%	73%	grade 1 events	84	97	1876	81	272	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	4108	3426	36609	4262	17682	12321
								2%	2%	15%	2%	9%	6%
							grade 3 events	1648	1655	3408	1515	6585	5296
								1%	1%	1%	0%	3%	2%
							grade 4 events	1603	1637	3209	1517	6359	4937
								0%	1%	1%	0%	3%	2%
							grade 5 events	5975	6719	15253	6543	18467	10378
								3%	4%	6%	4%	9%	5%
							grade 6 events	3405	3274	63312	4178	45611	14418
								2%	2%	26%	2%	23%	7%
							grade 7 events	138941	121373	106530	132641	88144	131079
								85%	84%	43%	84%	46%	67%

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	209.576969	209.535174444765	CCD I2 on	O1	Y
[deg] Pointing Dec	-64.719332	-64.74019198472486	CCD I3 on	Y	Y
[deg] Pointing Roll	198.585572	198.704404052819	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	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	Y	Y
[s] Observation start time (MET)	655367018.184000	655365827.38369	CCD S5 on	N	N
Observation start date	2018-10-08T06:22:29	2018-10-08T06:03:47	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	655387018.184000	655387579.42248	On-chip summing requested	N	N
Observation end date	2018-10-08T11:55:49	2018-10-08T12:06:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





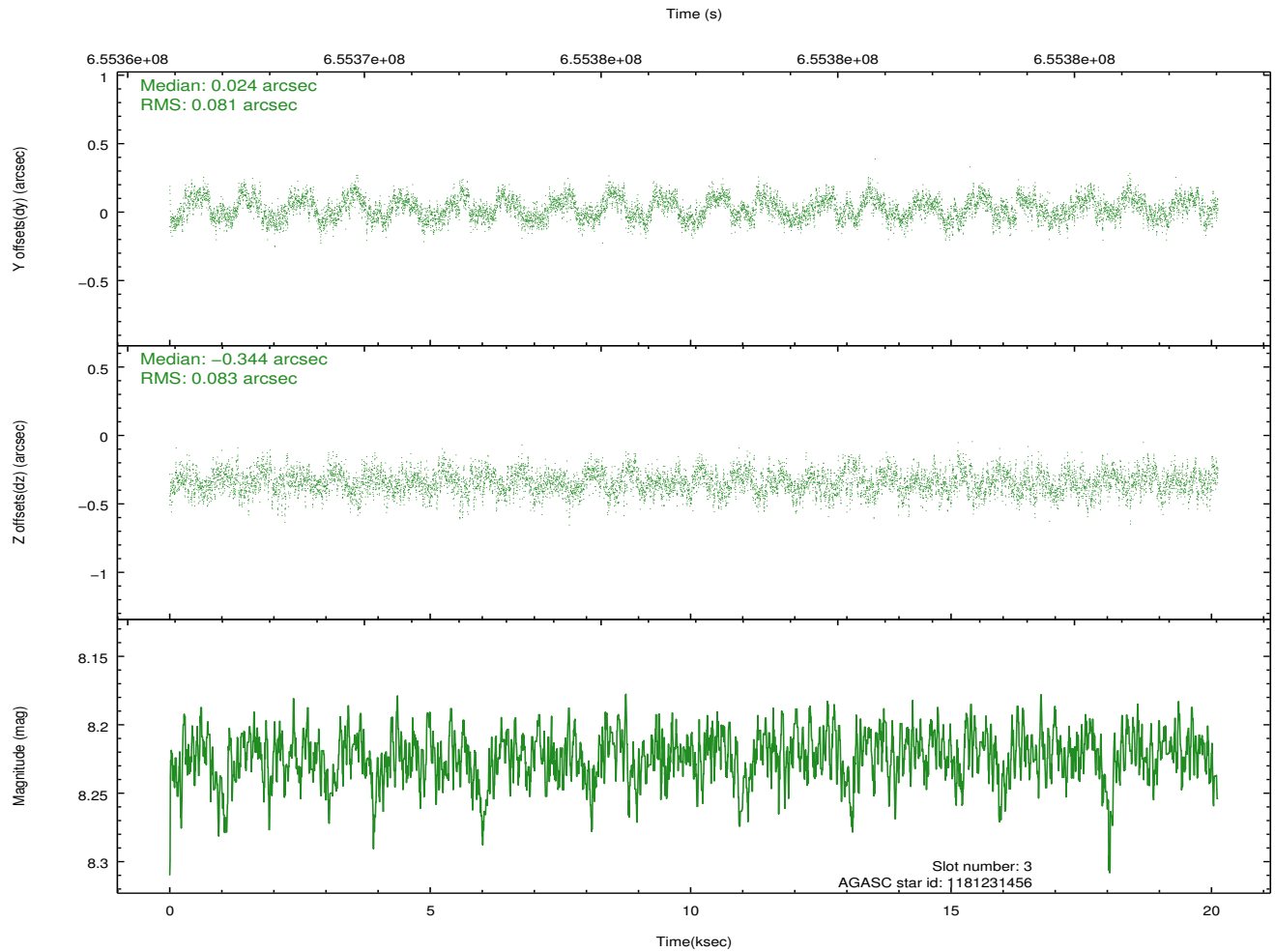
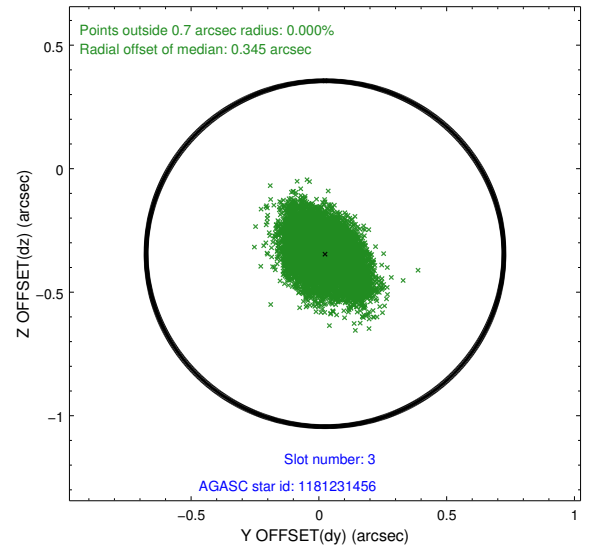
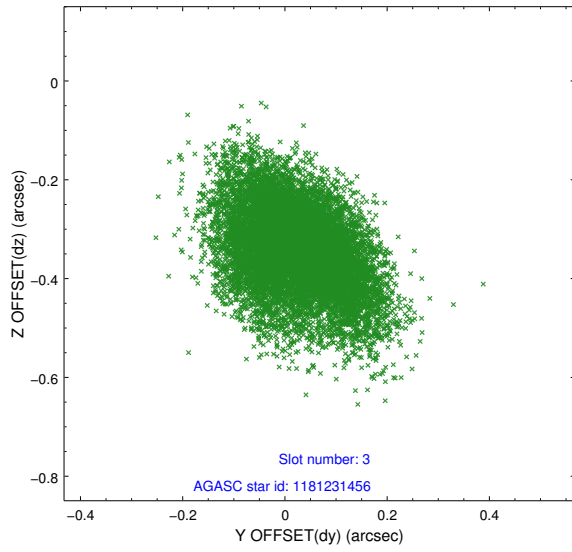
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	4909	1.000	-0.223	-0.103	0.019	0.042	0.000000	0.000000	-768.35	-1741
1	FID		ACIS-S-4	7.21	4909	1.000	0.527	0.136	0.013	0.027	0.000000	0.000000	2145.58	167
2	FID		ACIS-S-5	7.18	4908	1.000	-0.338	-0.024	0.029	0.042	0.000000	0.000000	-1821.08	160
3	GUIDE	used	1181231456	8.22	9813	1.000	0.024	-0.344	0.123	0.200	208.536615	-64.944484	1766.13	275
4	GUIDE	used	1181224928	8.79	9811	1.000	-0.139	-0.248	0.135	0.232	208.204332	-65.077831	2392.36	581
5	GUIDE	used	1181232552	8.63	9813	1.000	0.152	0.136	0.134	0.233	208.565497	-64.494630	1233.50	-1254
6	GUIDE	used	1181236000	9.07	9806	1.000	0.092	0.453	0.218	0.353	208.606141	-64.382283	1050.55	-1620
7	GUIDE	used	1181358584	7.92	9814	1.000	-0.128	0.004	0.110	0.190	210.584509	-64.925285	-1216.66	1204

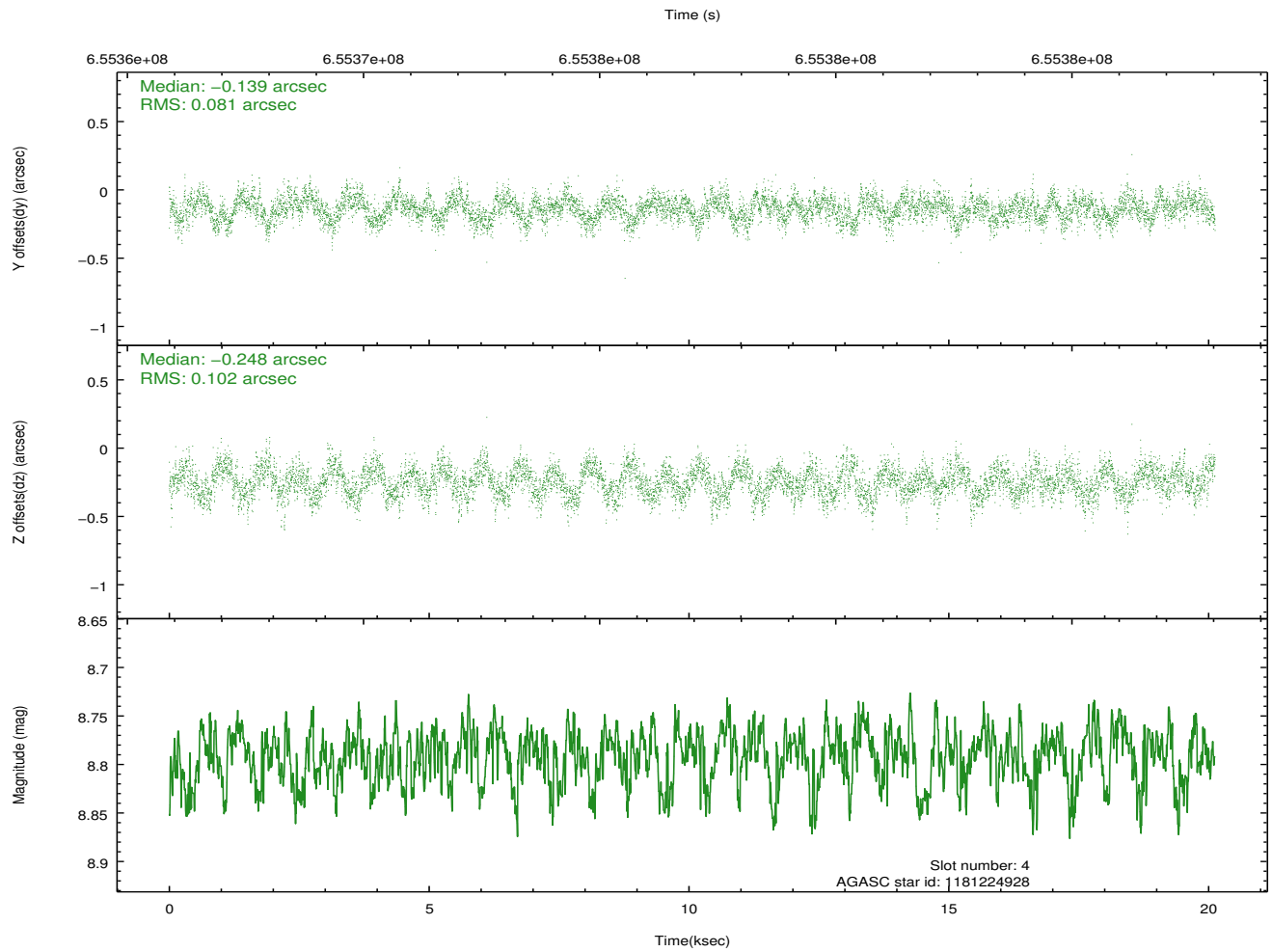
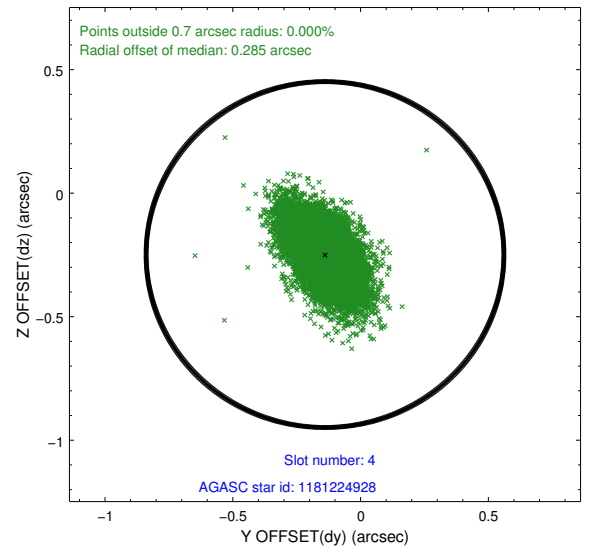
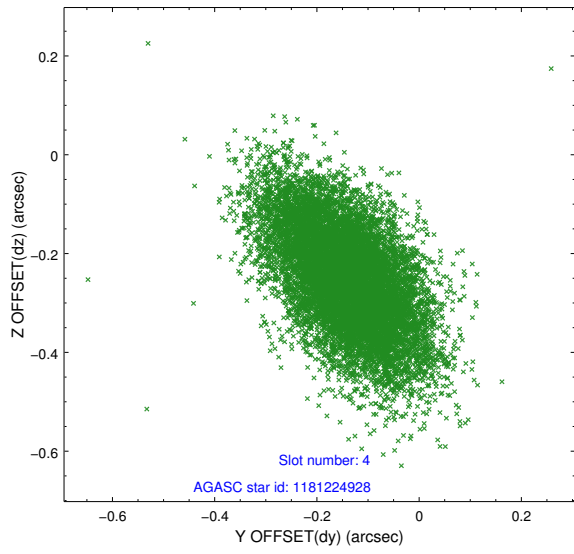
∞

2.4 Star Slots

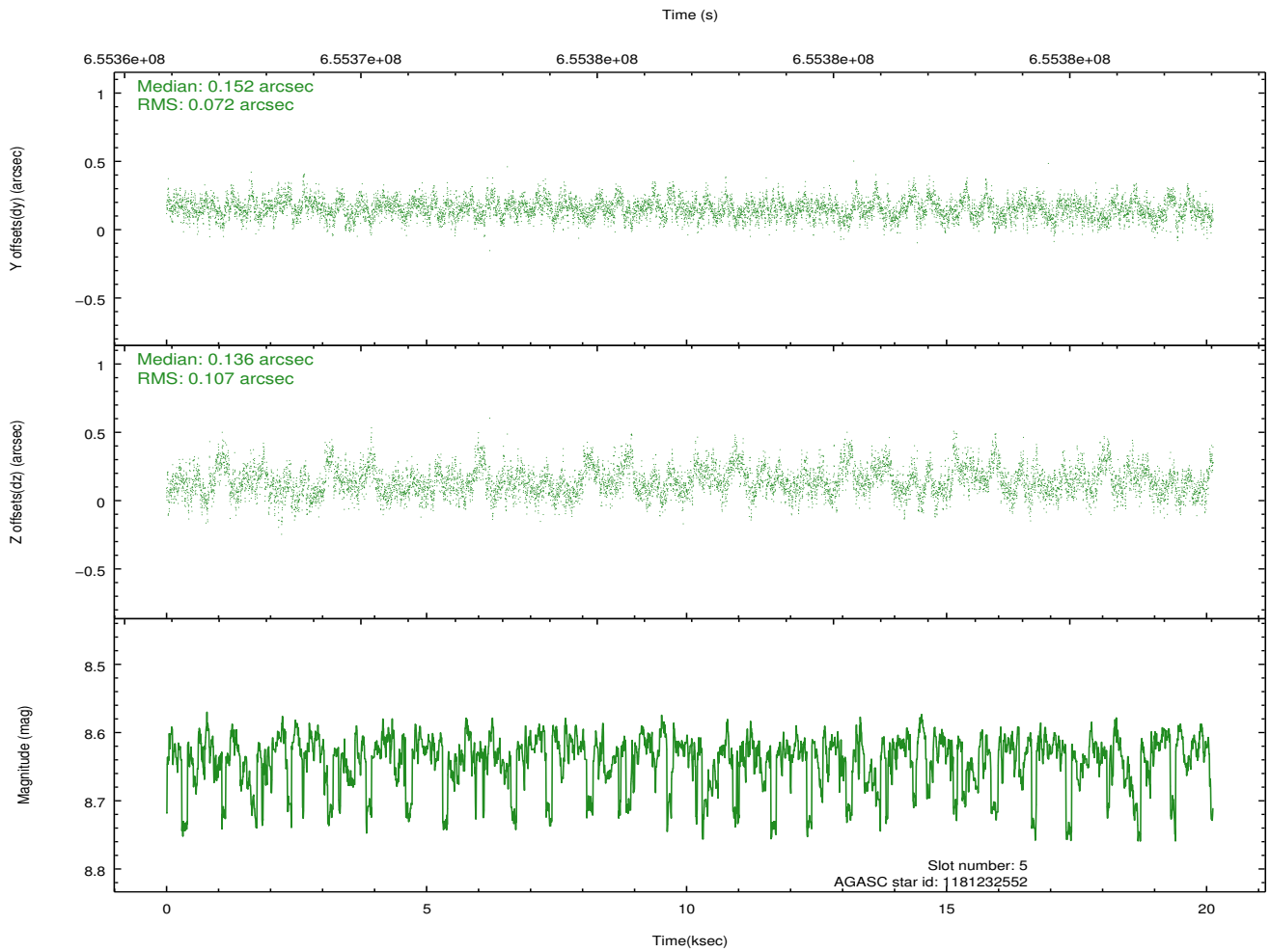
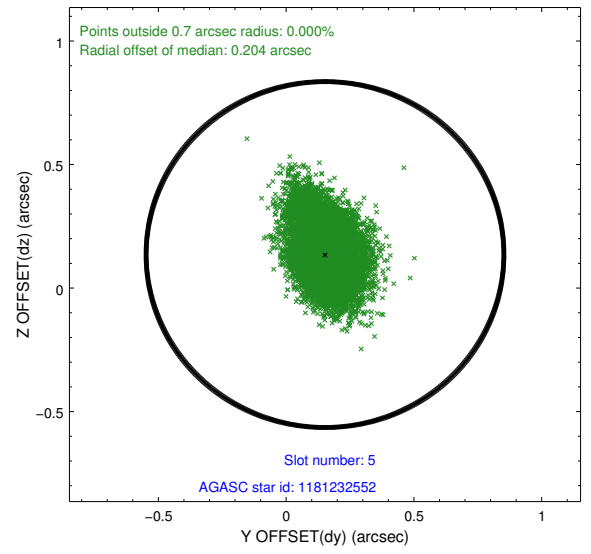
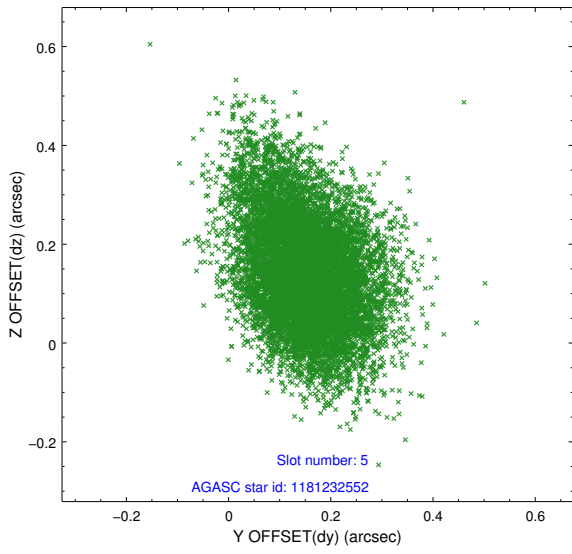
2.4.1 Slot 3



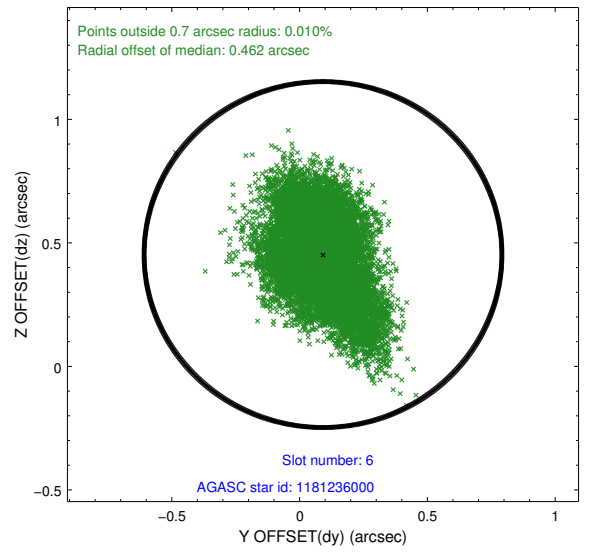
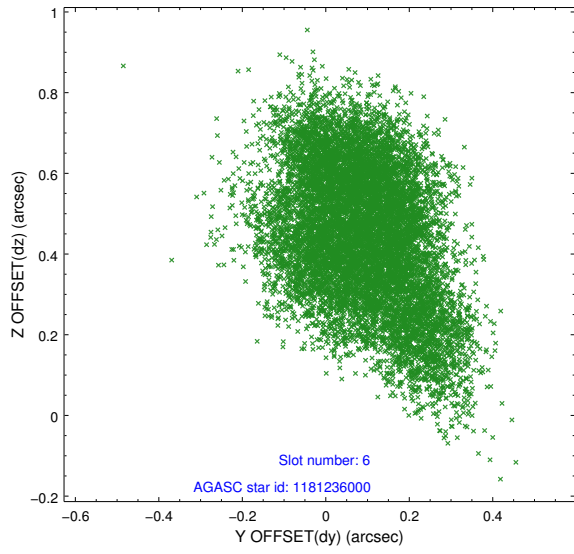
2.4.2 Slot 4



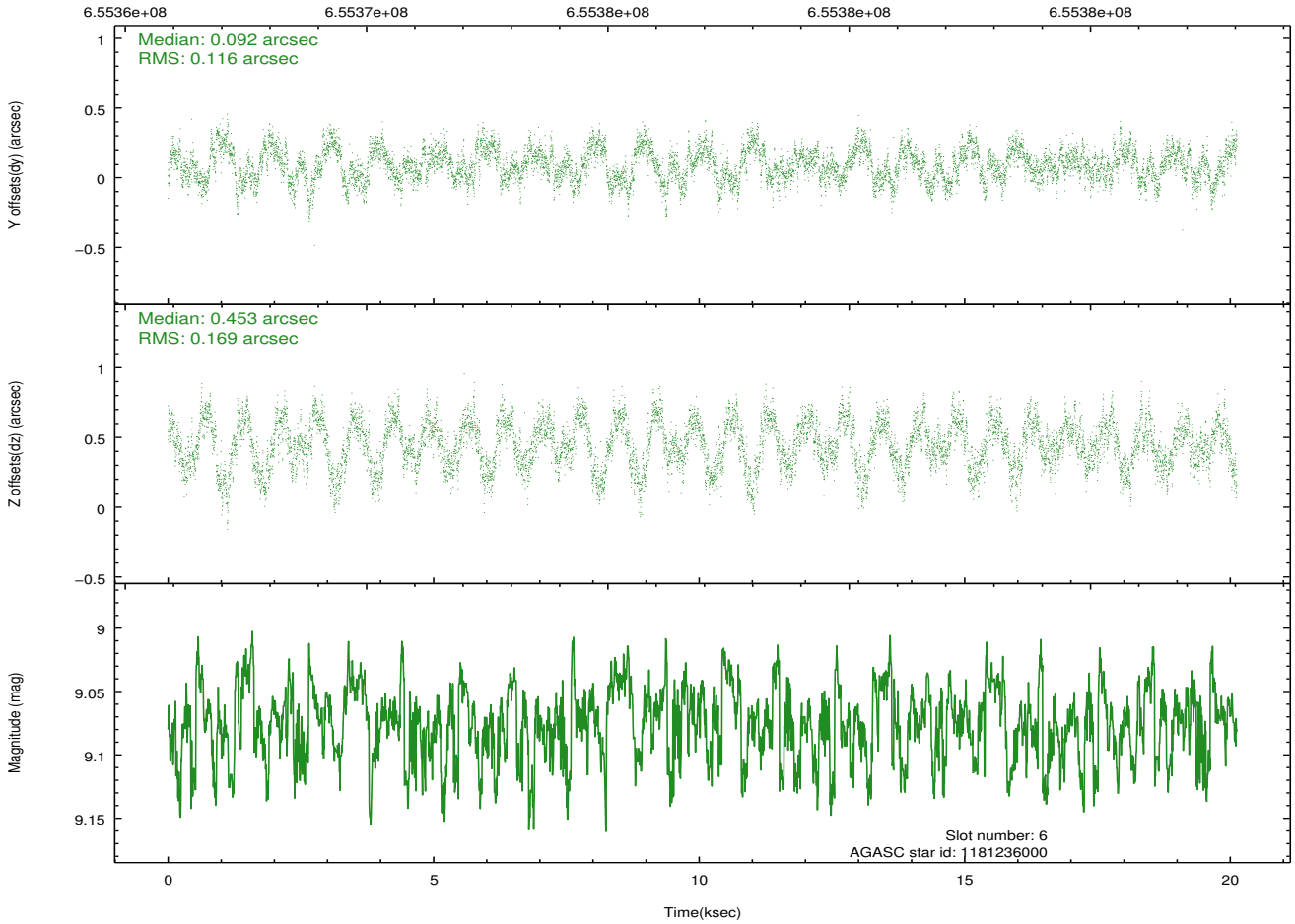
2.4.3 Slot 5



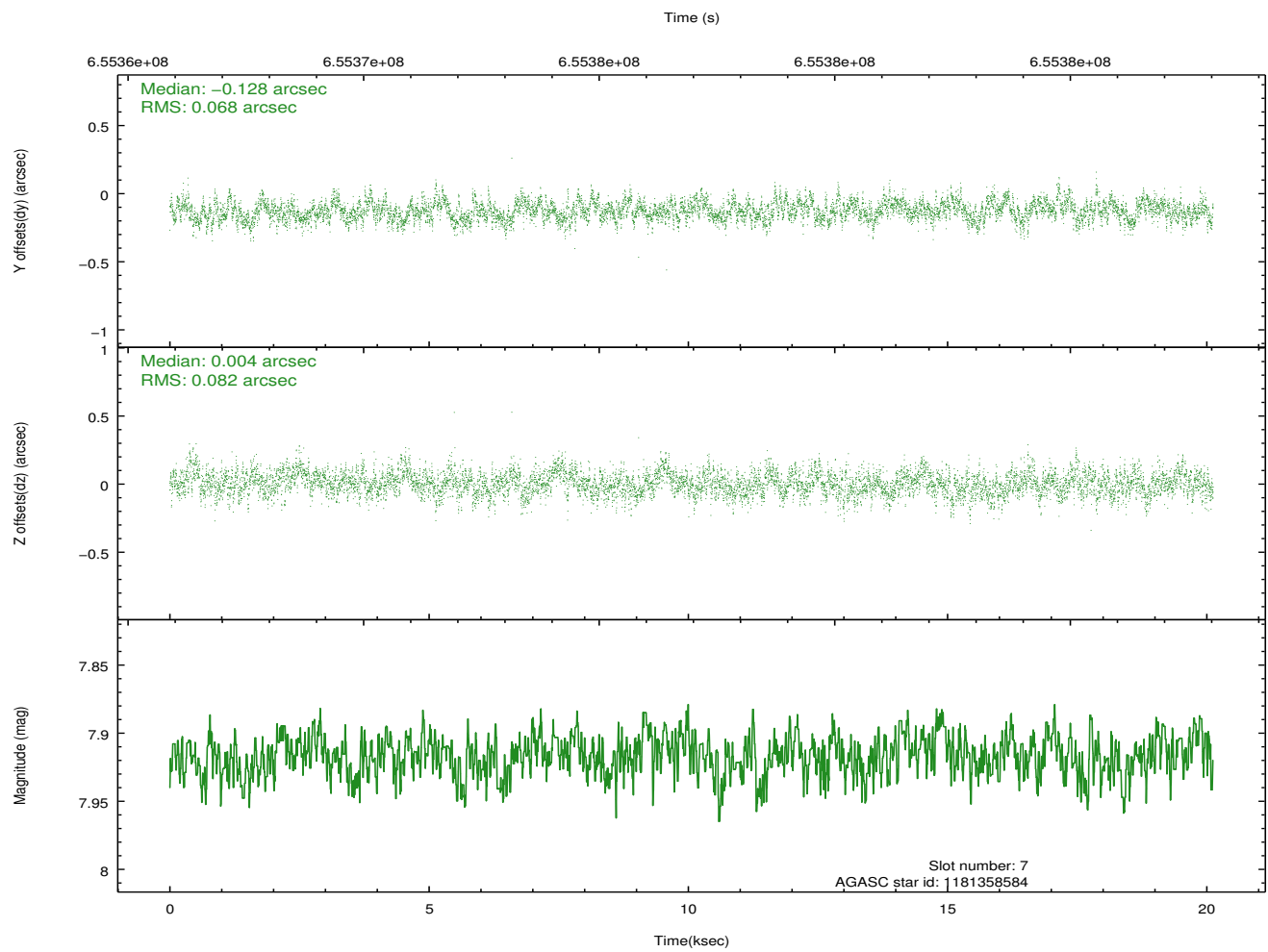
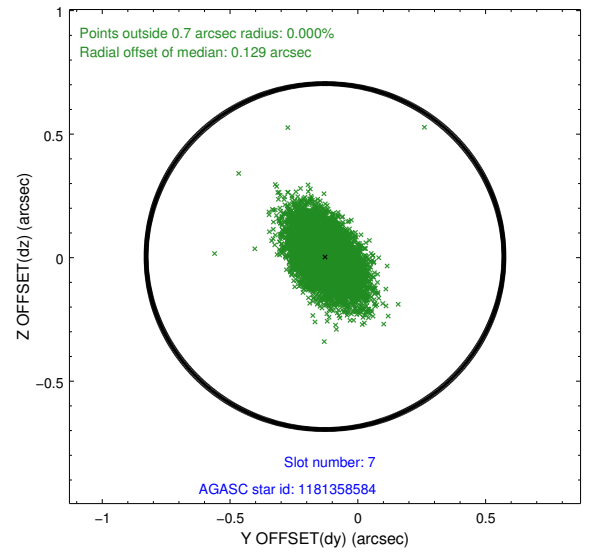
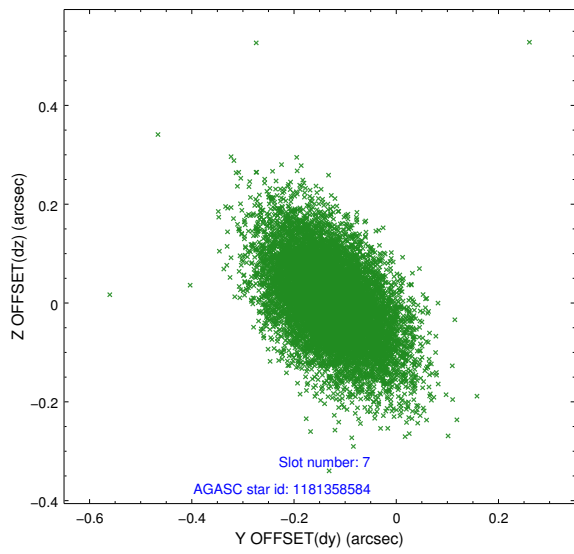
2.4.4 Slot 6



Time (s)

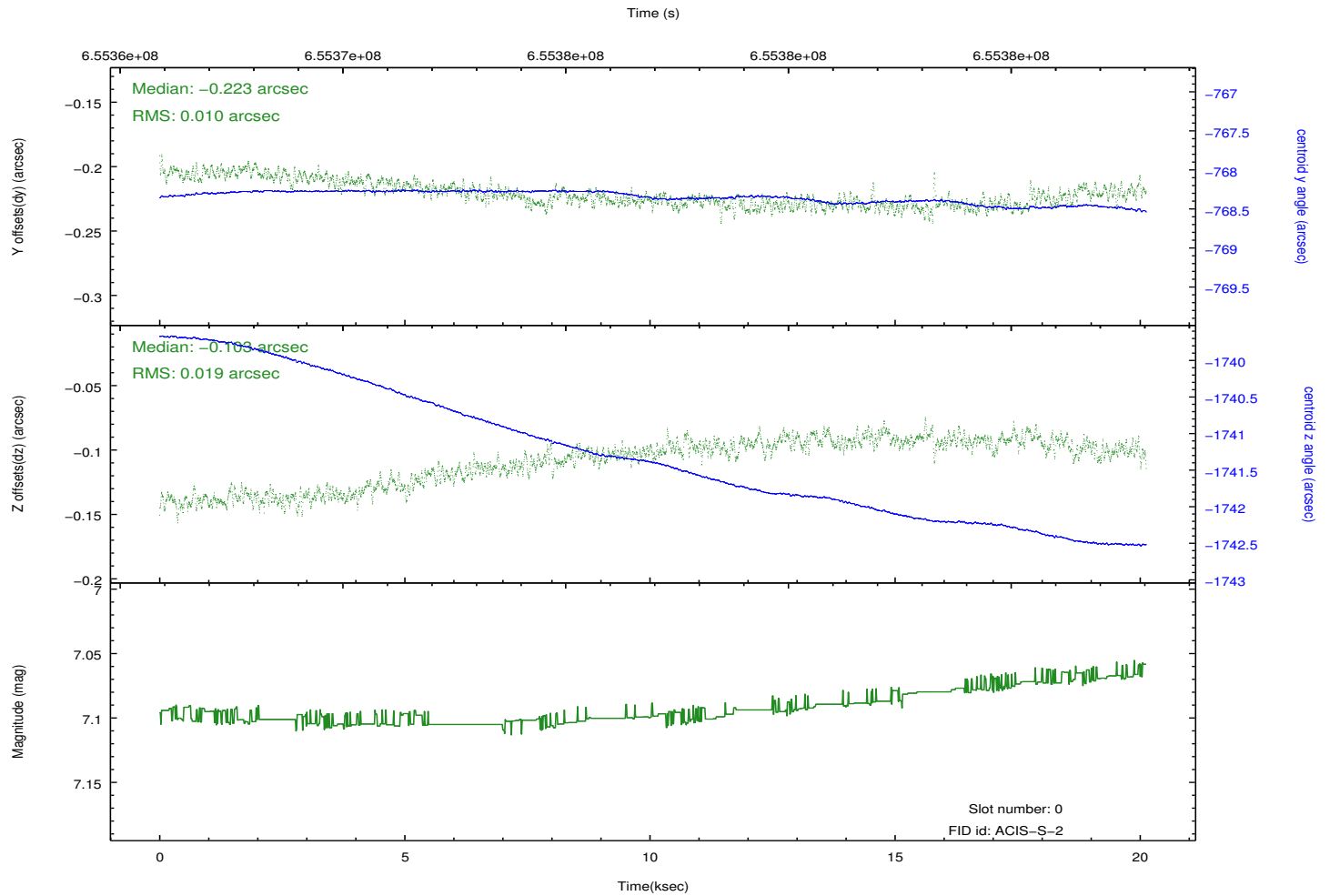
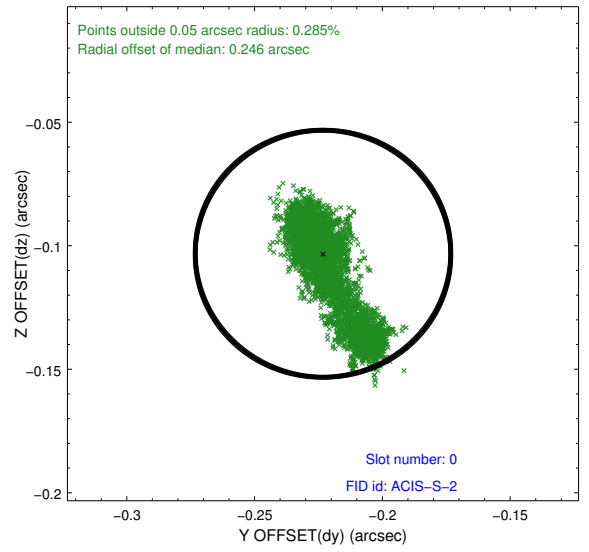
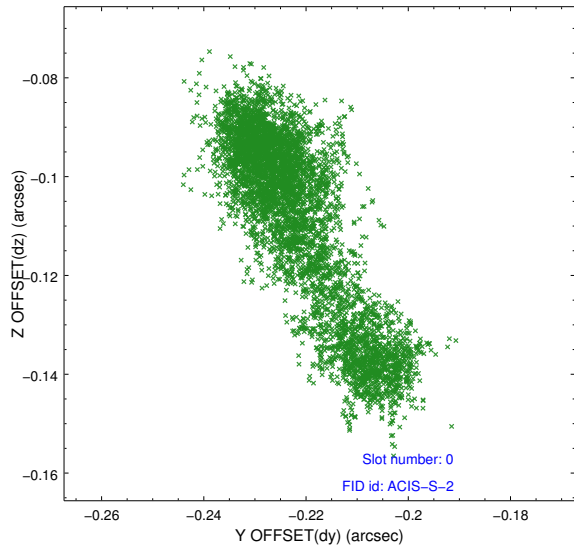


2.4.5 Slot 7

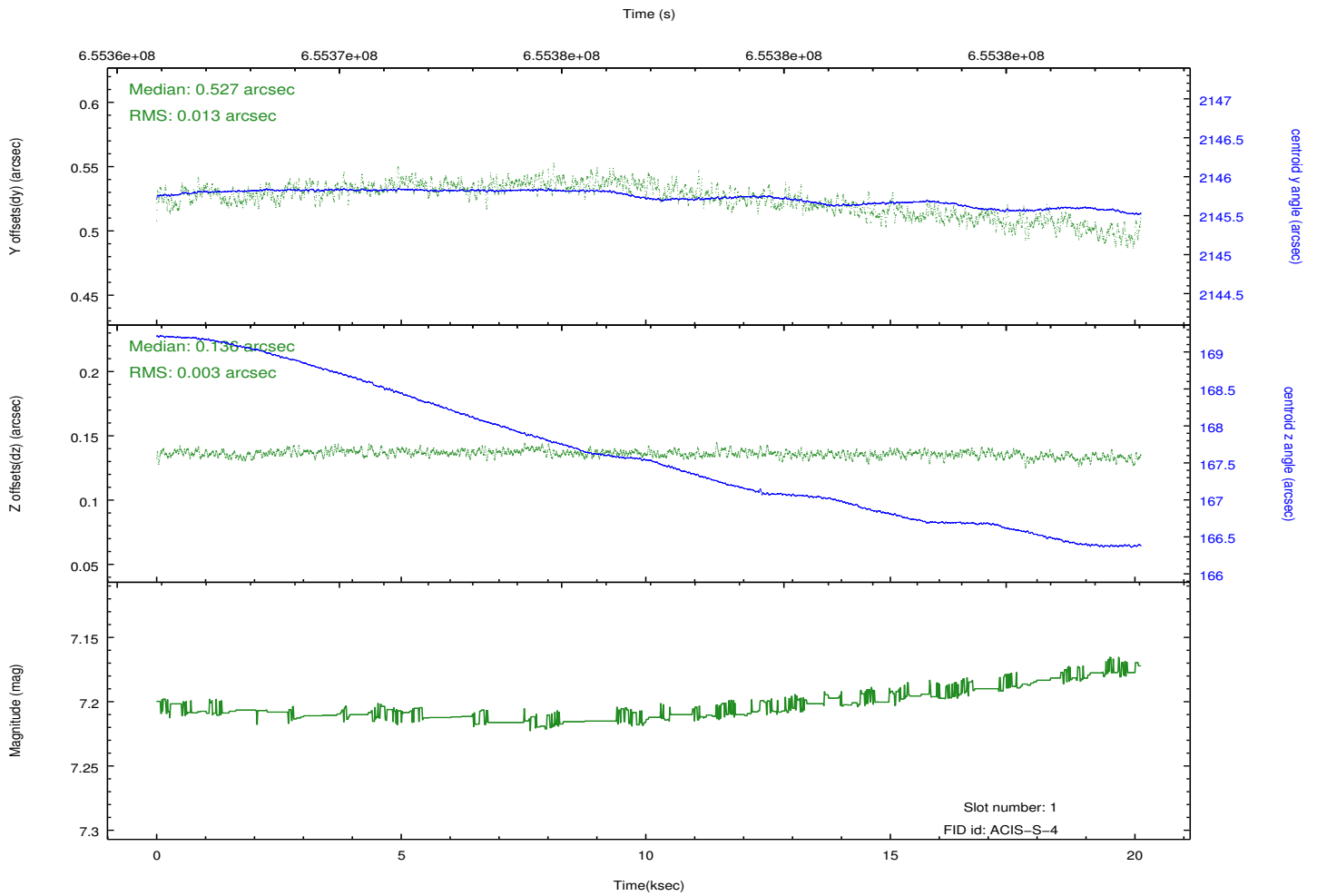
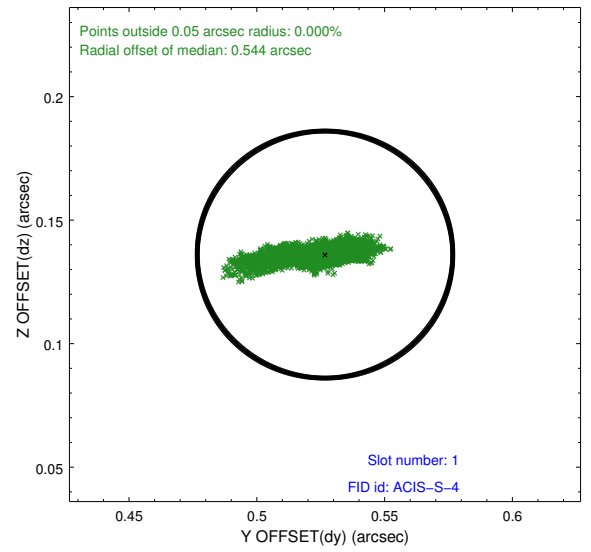
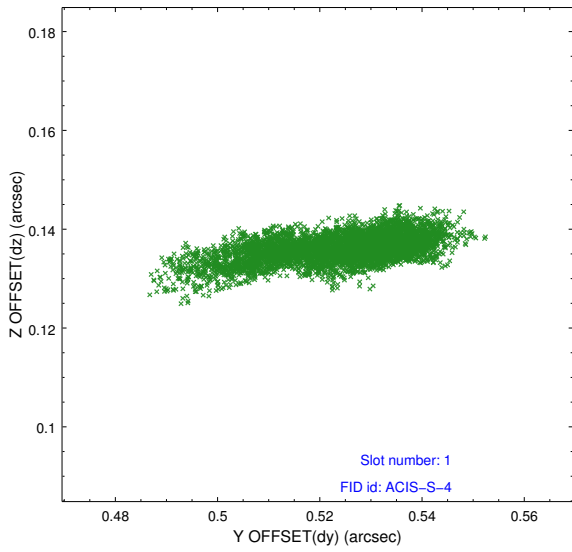


2.5 FID Slots

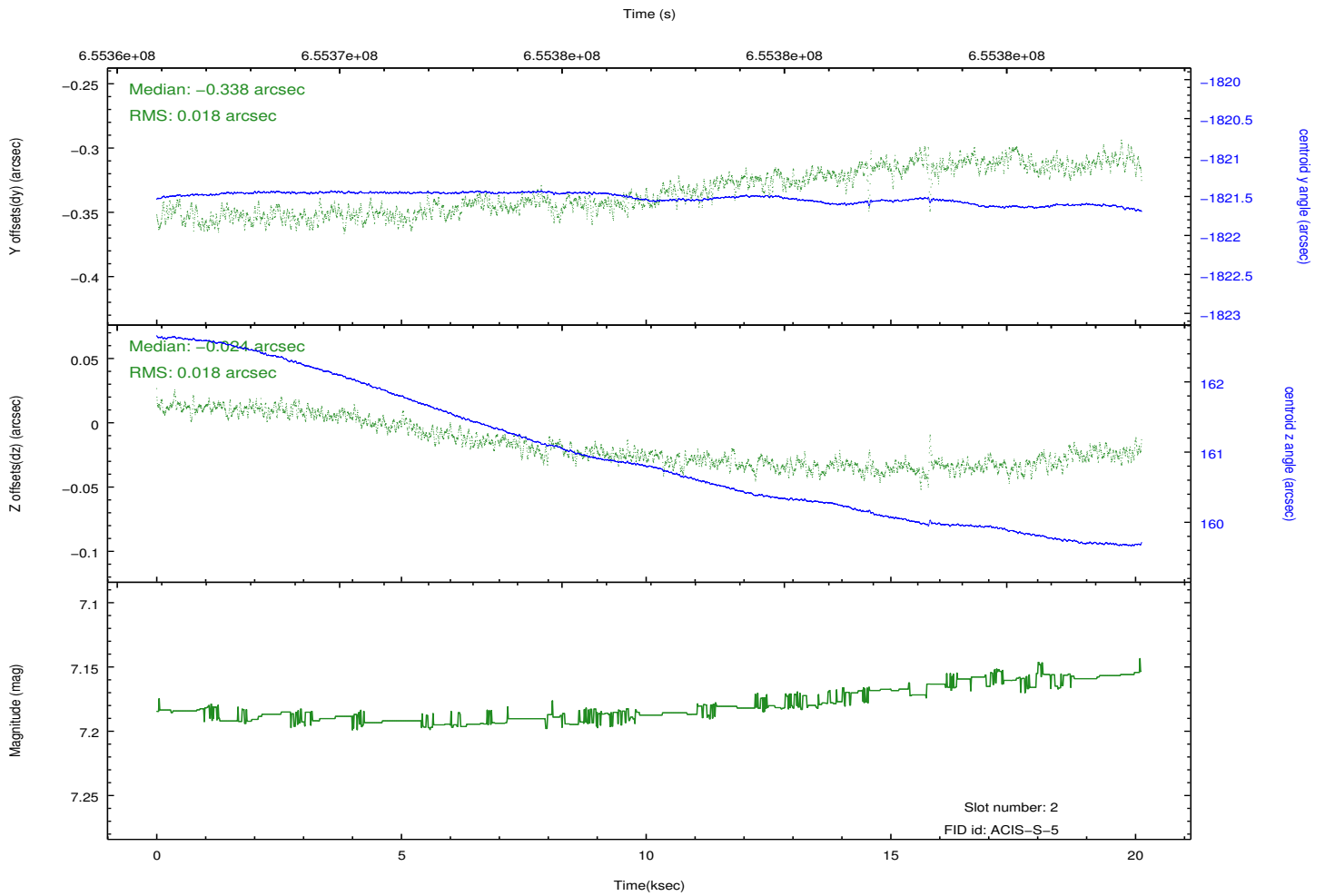
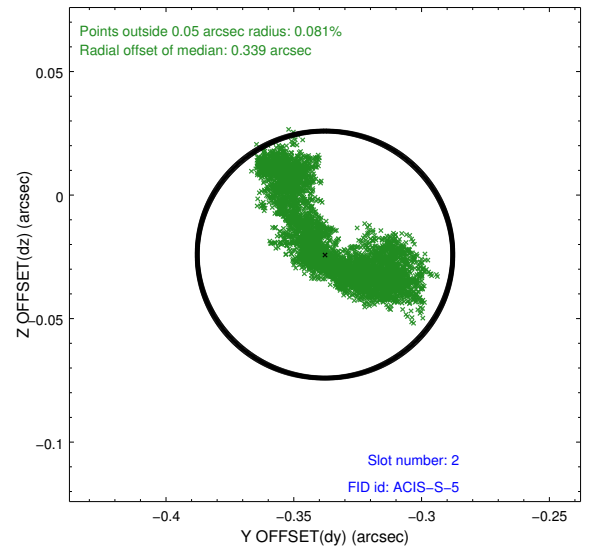
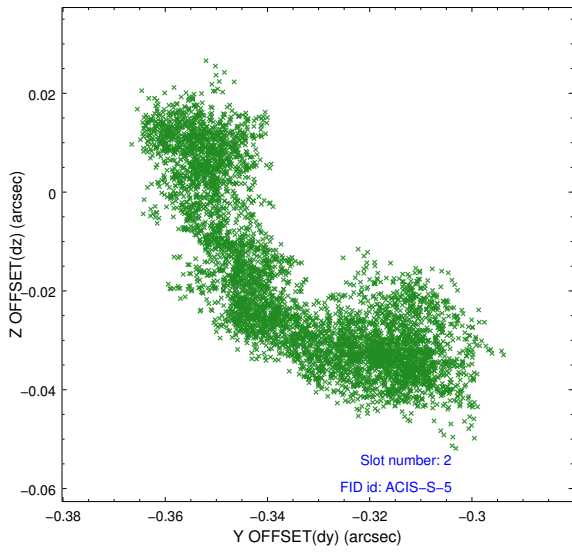
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2018.10.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.94880029726

A.2 Comments