

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19009 - L2 Version 1
Chandra X-Ray Center

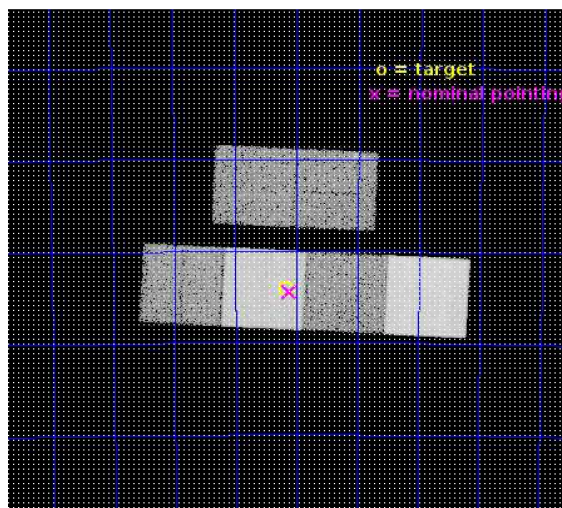
L2 Processing Date : Oct 23 2017

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1 Front

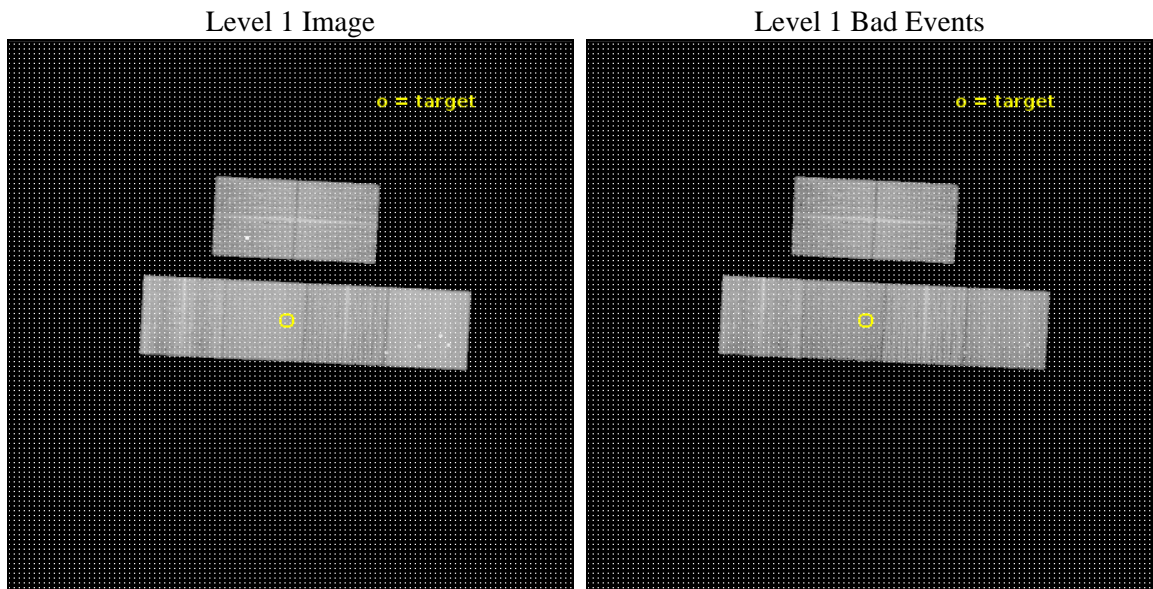
seq_num	401875	Sequence number
obs_id	19009	Observation id
title	The Anomalous Quiescent Accretion Flow in GS 1354-64	Proposal titl
observer	mark reynolds	Principal investigator
object	GS 1354-64	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.540417	Observer's specified target RA [deg]
dec_targ	-64.734778	Observer's specified target Dec [deg]
ra_nom	209.52936395202	Nominal RA [deg]
dec_nom	-64.739919130411	Nominal Dec [deg]
roll_nom	182.89406432687	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19486.504457593	Sum of GTIs [s]
livetime	19239.754604787	Livetime [s]
ontime2	19486.545497537	Sum of GTIs [s]
ontime3	19483.140277147	Sum of GTIs [s]
ontime5	19486.46341753	Sum of GTIs [s]
ontime6	19483.1813972	Sum of GTIs [s]
ontime7	19486.504457593	Sum of GTIs [s]
ontime8	19486.34029758	Sum of GTIs [s]
l2events	226141	Number of level 2 events



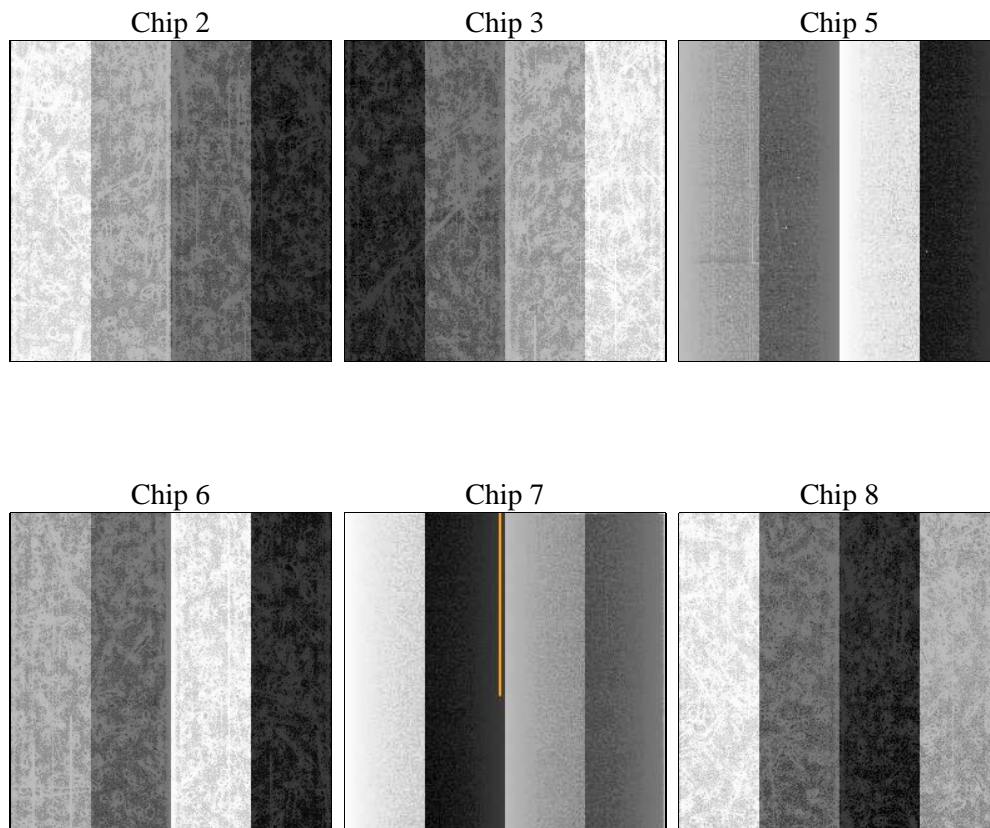
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19535.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	19486.504457593	Sum of GTIs [s]
caldbver	4.7.6	 	ontime2	19486.545497537	Sum of GTIs [s]
date	2017-10-23T22:43:47	Date and time of file creation	ontime3	19483.140277147	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	19486.46341753	Sum of GTIs [s]
			ontime6	19483.1813972	Sum of GTIs [s]
			ontime7	19486.504457593	Sum of GTIs [s]
			ontime8	19486.34029758	Sum of GTIs [s]
			l1events	970032	Number of level 1 events

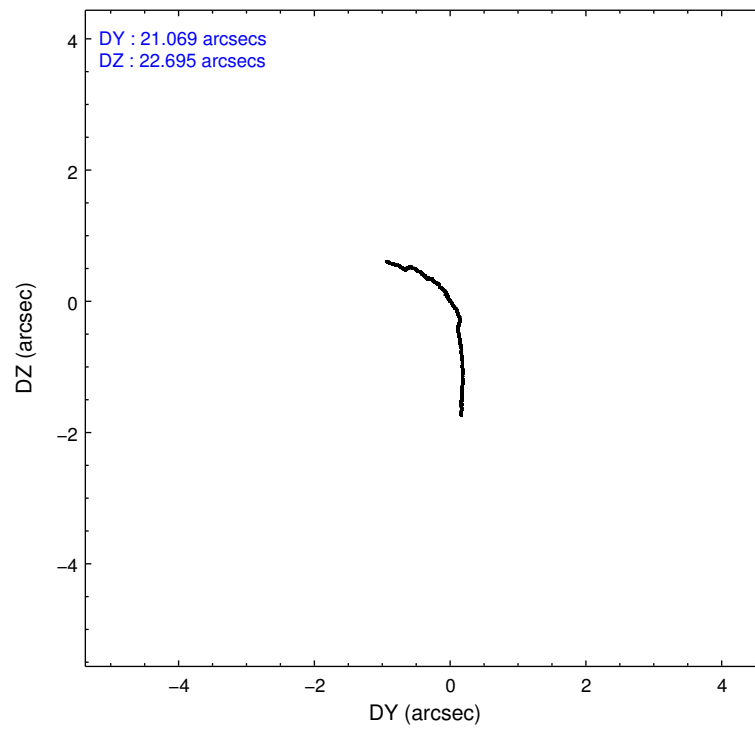
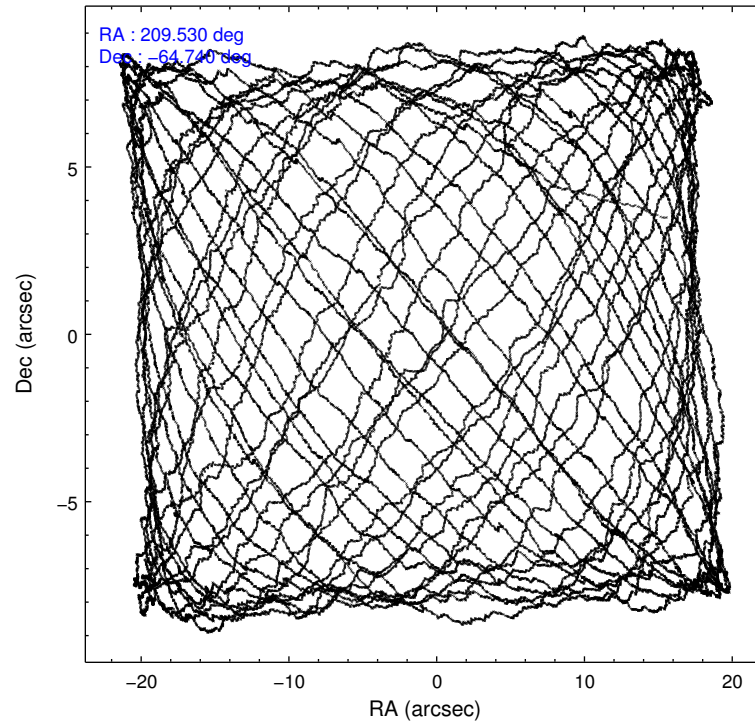
2.1.4 Events

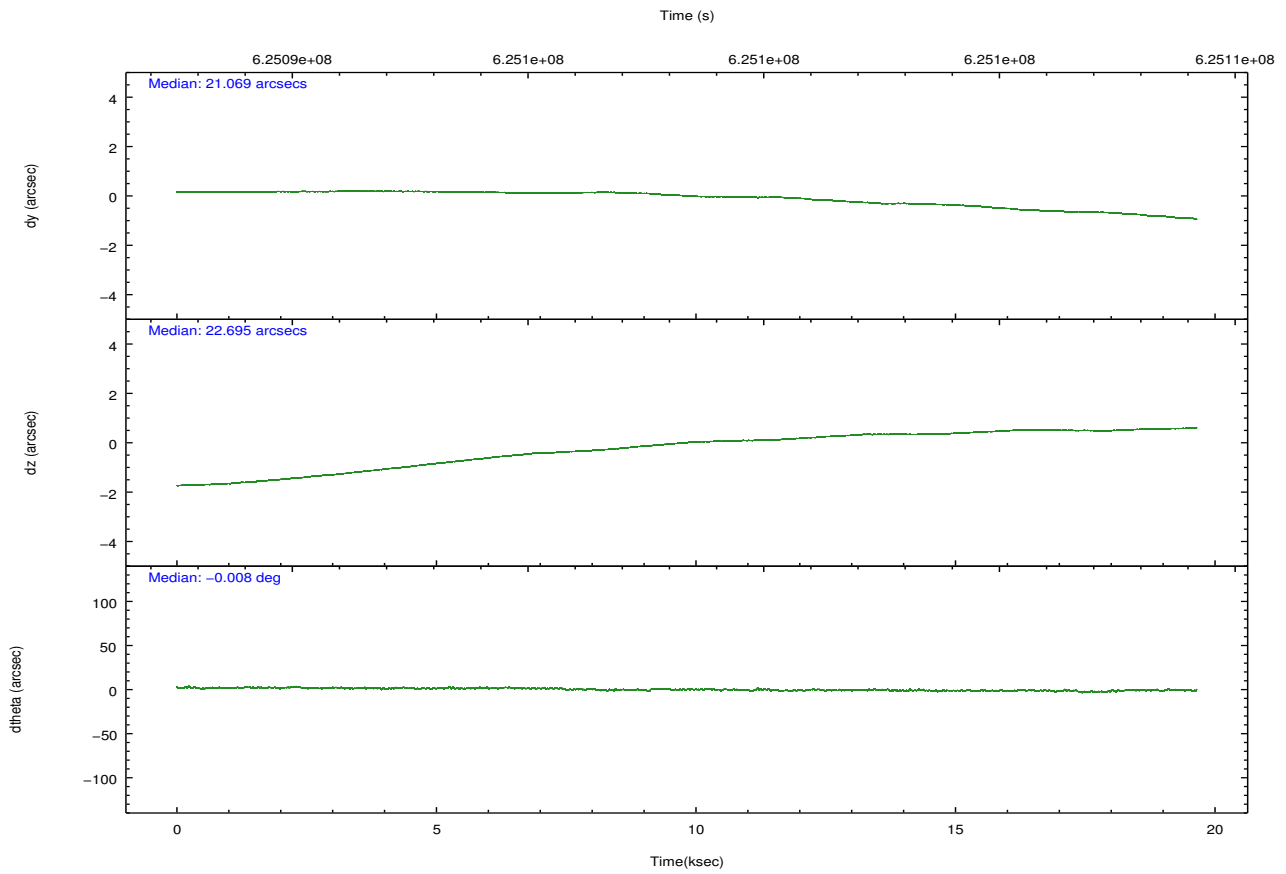
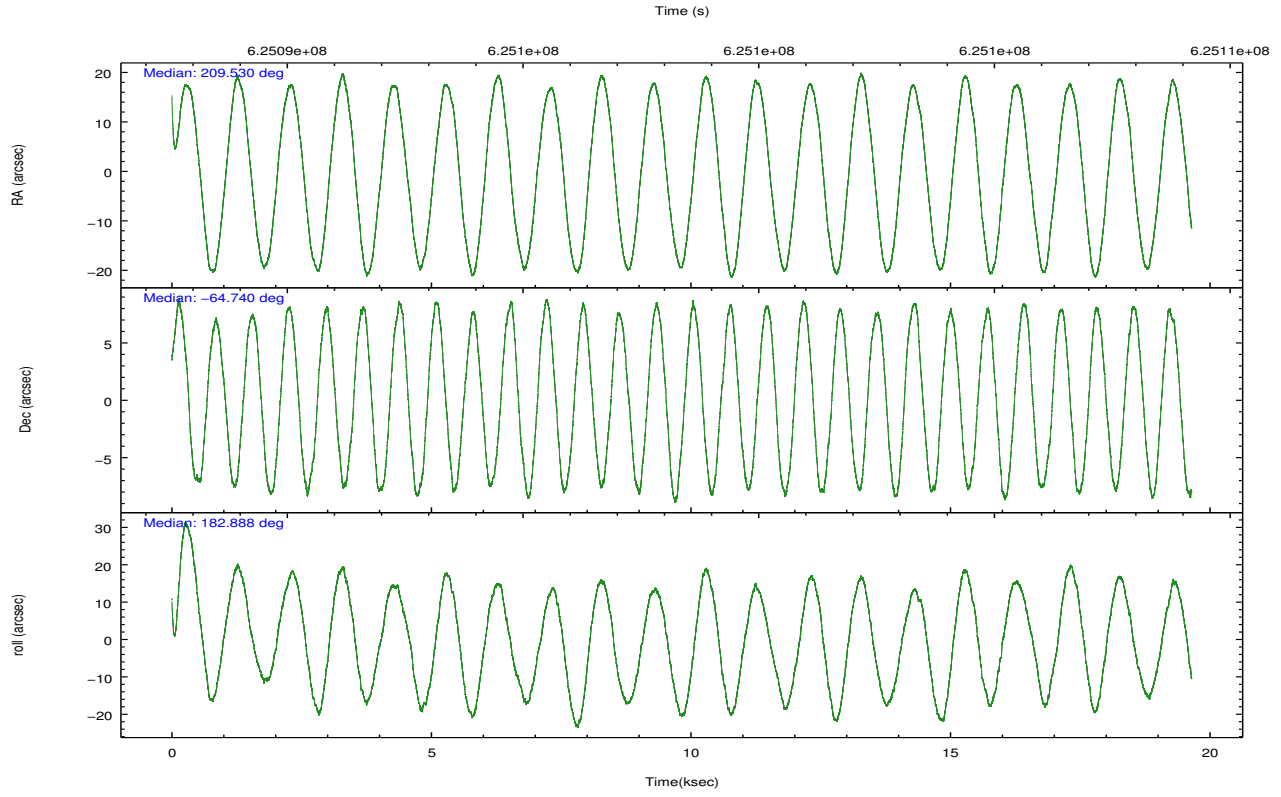
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	139262	135970	213078	139834	169292	172596	grade 0 events	6848	5771	9474	5862	6585	13355
rejected events	122937	115315	109158	123408	94526	126491		4%	4%	4%	4%	3%	7%
rejected %	88%	84%	51%	88%	55%	73%	grade 1 events	83	65	1165	67	207	117
								0%	0%	0%	0%	0%	0%
							grade 2 events	3659	8824	32308	3944	15741	11047
								2%	6%	15%	2%	9%	6%
							grade 3 events	1476	1475	3130	1478	6064	4634
								1%	1%	1%	1%	3%	2%
							grade 4 events	1433	1515	3019	1371	5836	4321
								1%	1%	1%	0%	3%	2%
							grade 5 events	5408	6184	14046	5989	16685	9115
								3%	4%	6%	4%	9%	5%
							grade 6 events	2914	3076	56024	3773	40559	12758
								2%	2%	26%	2%	23%	7%
							grade 7 events	117441	109060	93912	117350	77615	117249
								84%	80%	44%	83%	45%	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	209.582776	209.5293639520219	CCD I2 on	O1	Y
[deg] Pointing Dec	-64.724725	-64.73991913041063	CCD I3 on	Y	Y
[deg] Pointing Roll	182.785741	182.8940643268735	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)	625088638.184000	625087398.88353	CCD S5 on	N	N
Observation start date	2017-10-22T19:42:49	2017-10-22T19:23:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	625108173.184000	625109213.44731	On-chip summing requested	N	N
Observation end date	2017-10-23T01:08:24	2017-10-23T01:26:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





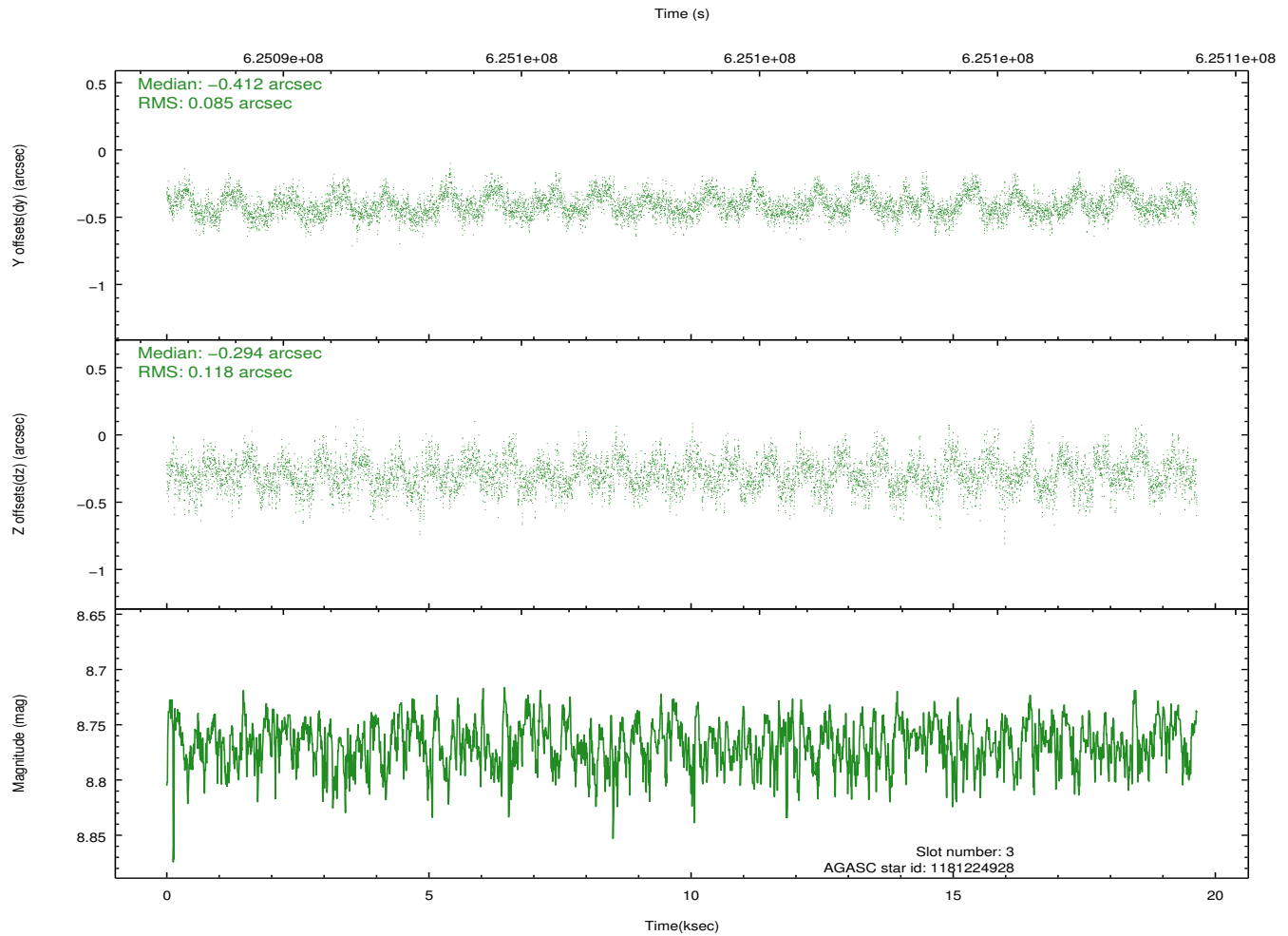
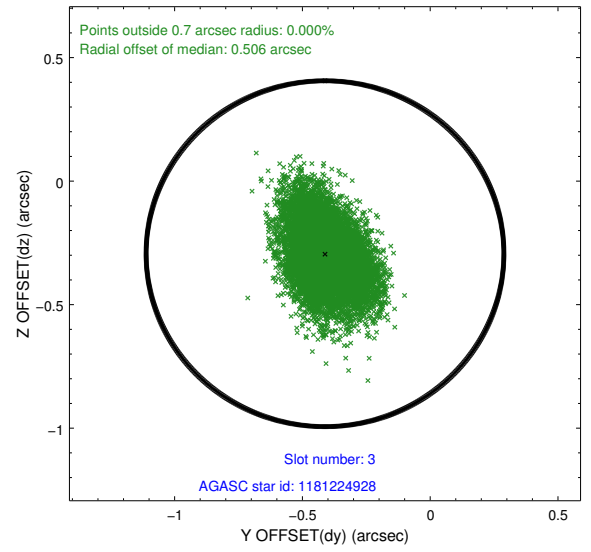
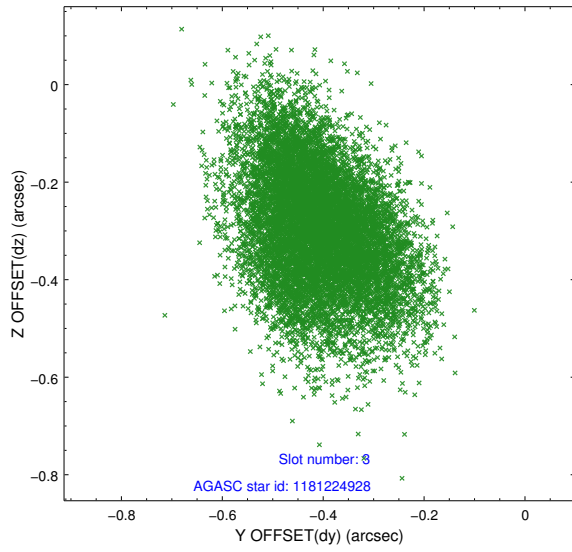
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.19	4791	0.272	-0.022	0.022	0.044	0.000000	0.000000	922.32	-1739.57
1	FID		ACIS-S-2	7.10	4792	-0.178	-0.118	0.018	0.055	0.000000	0.000000	-773.93	-1744.49
2	FID		ACIS-S-5	7.22	4792	-0.116	0.144	0.025	0.034	0.000000	0.000000	-1827.41	157.82
3	GUIDE	used	1181224928	8.77	9579	-0.412	-0.294	0.153	0.257	208.204332	-65.077831	2151.44	1191.06
4	GUIDE	used	1181231456	8.21	9580	-0.140	-0.356	0.137	0.223	208.536615	-64.944484	1632.70	726.08
5	GUIDE	used	1181355864	9.15	9569	0.441	0.393	0.233	0.351	210.027242	-64.648026	-696.38	-239.42
6	GUIDE	used	1181358584	7.90	9577	-0.120	0.098	0.119	0.211	210.584509	-64.925285	-1490.47	807.73
7	GUIDE	used	1181227256	8.36	9577	0.230	0.166	0.151	0.269	208.179405	-64.135660	2100.30	-2200.22

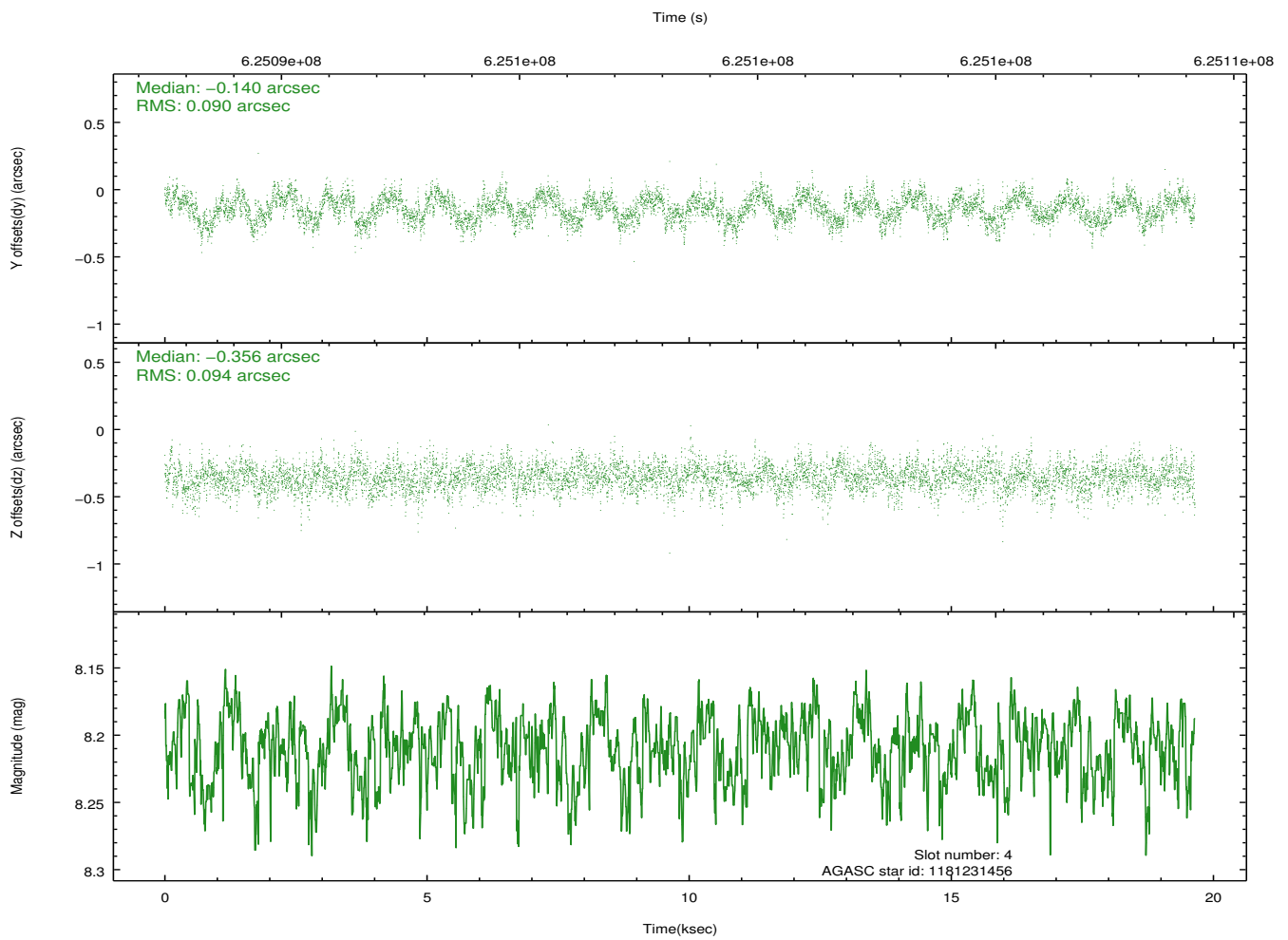
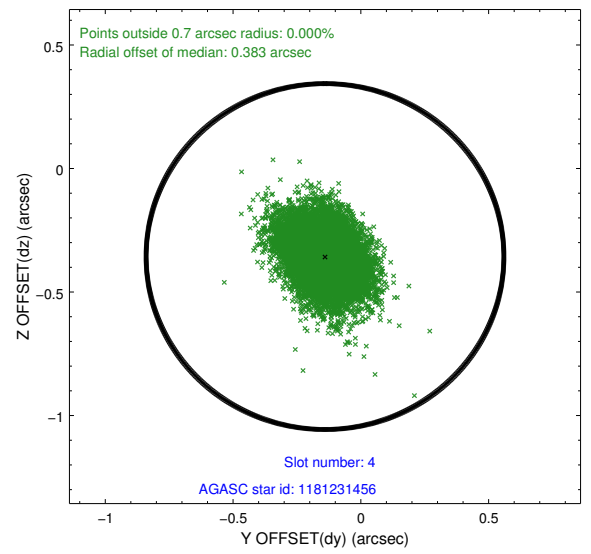
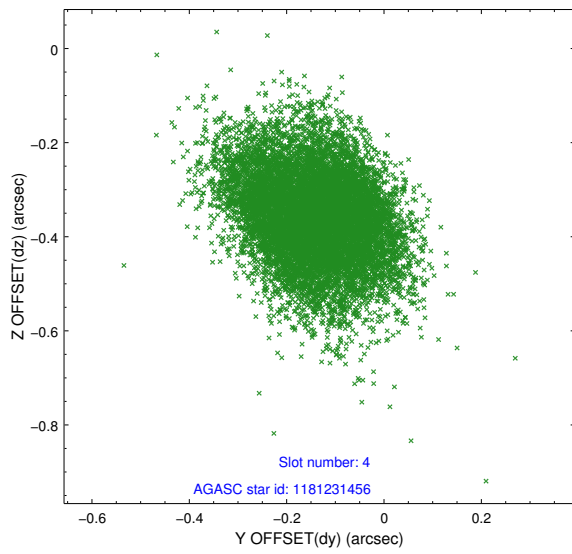
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2.4 Star Slots

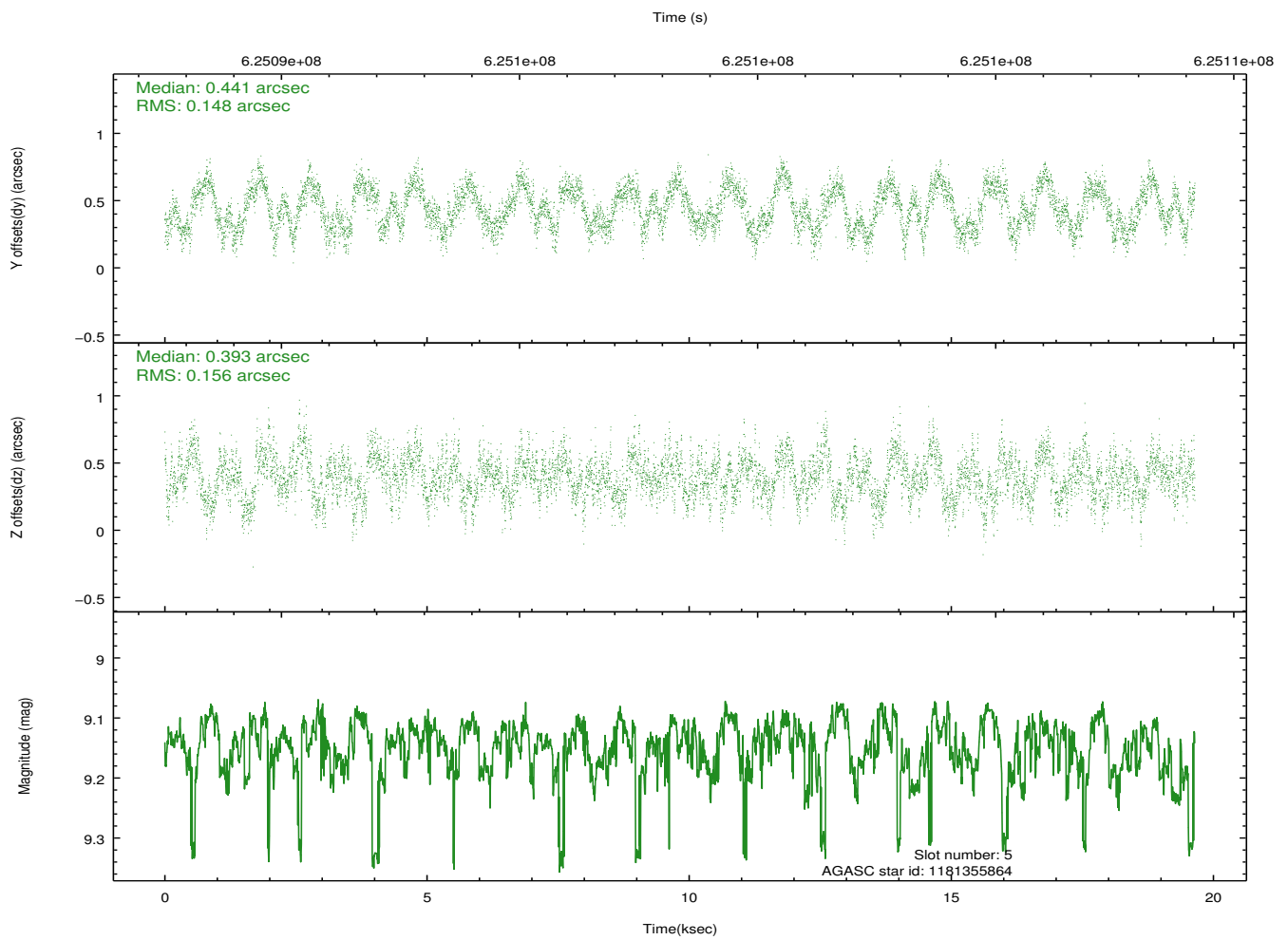
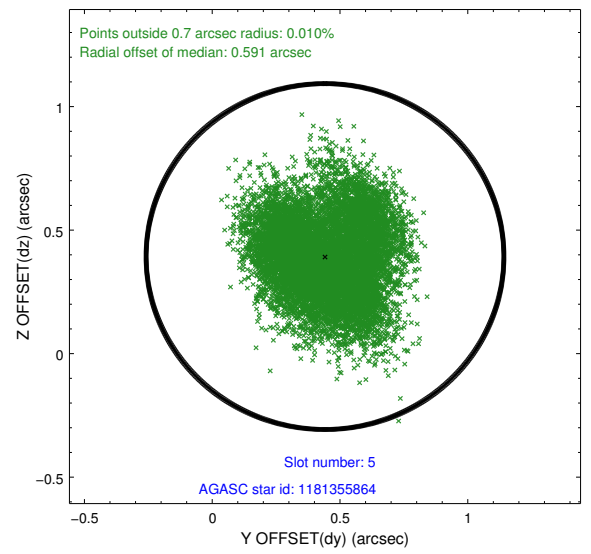
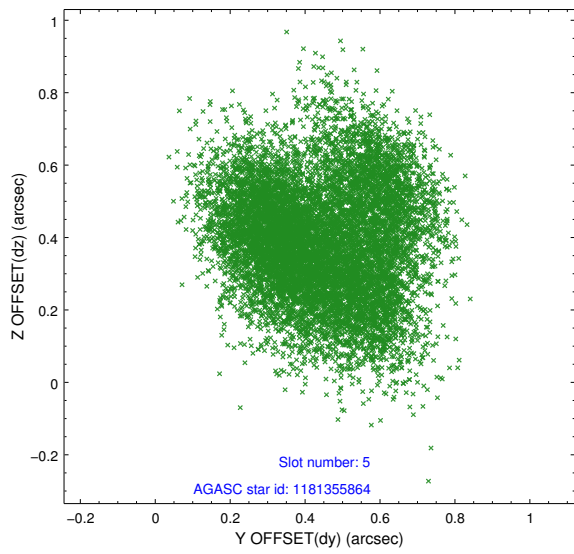
2.4.1 Slot 3



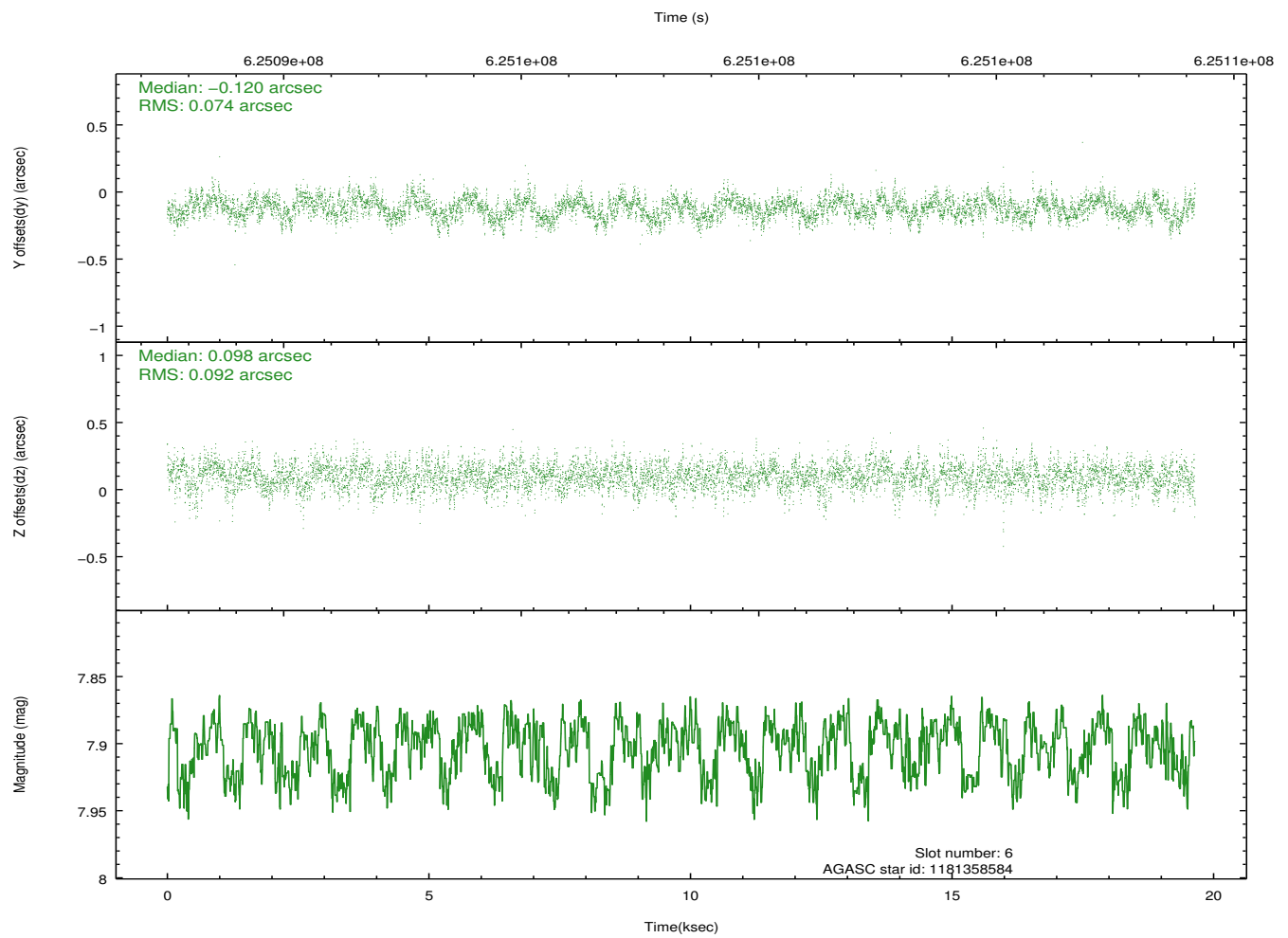
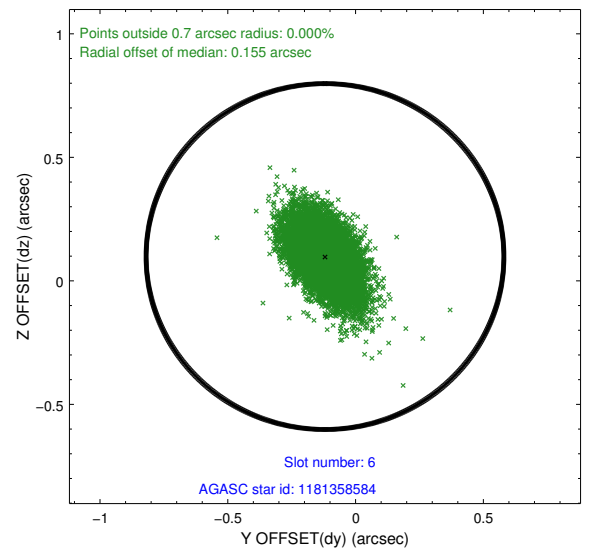
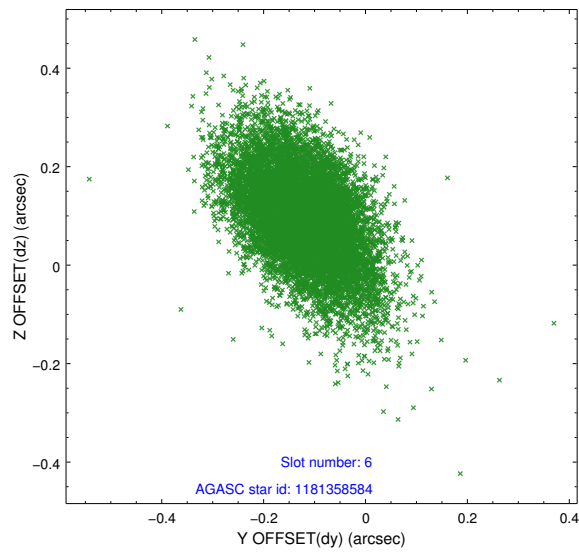
2.4.2 Slot 4



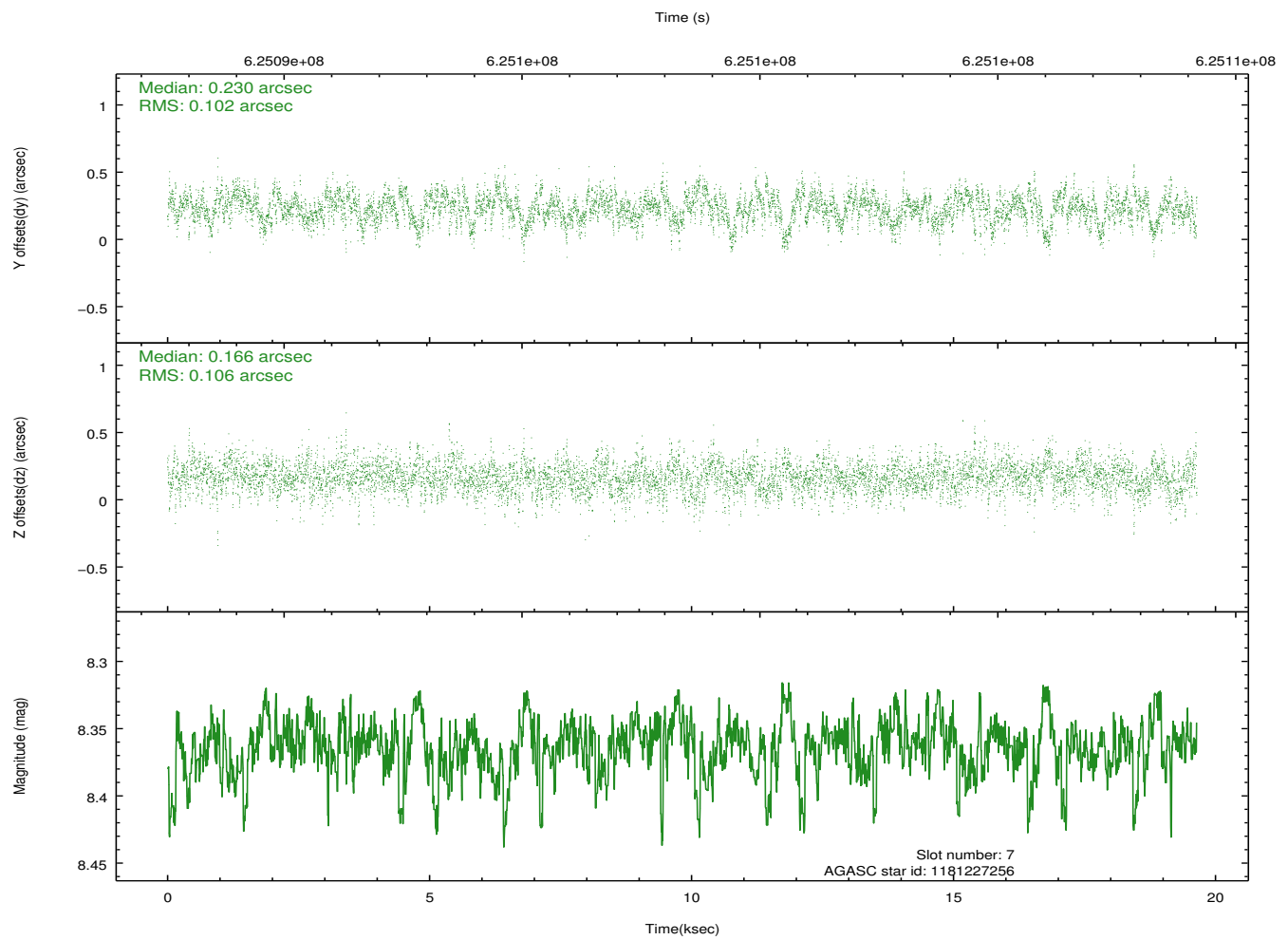
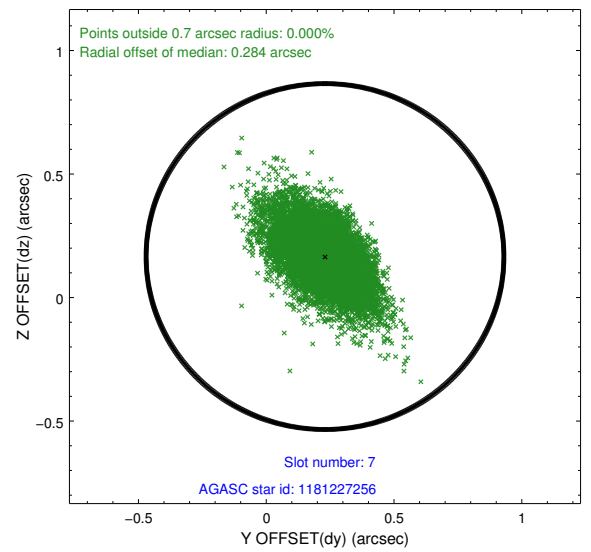
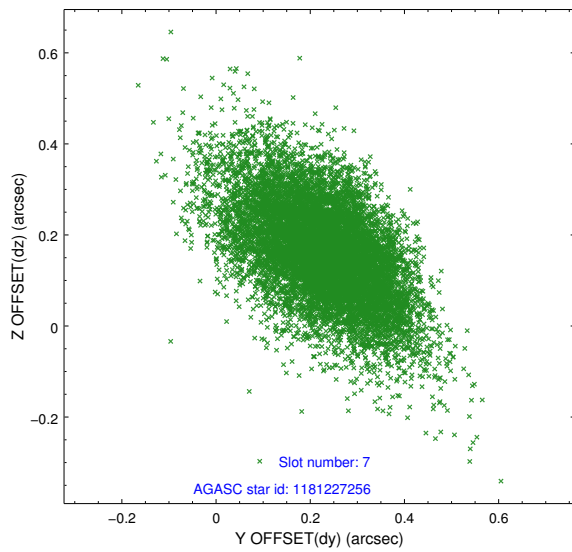
2.4.3 Slot 5



2.4.4 Slot 6

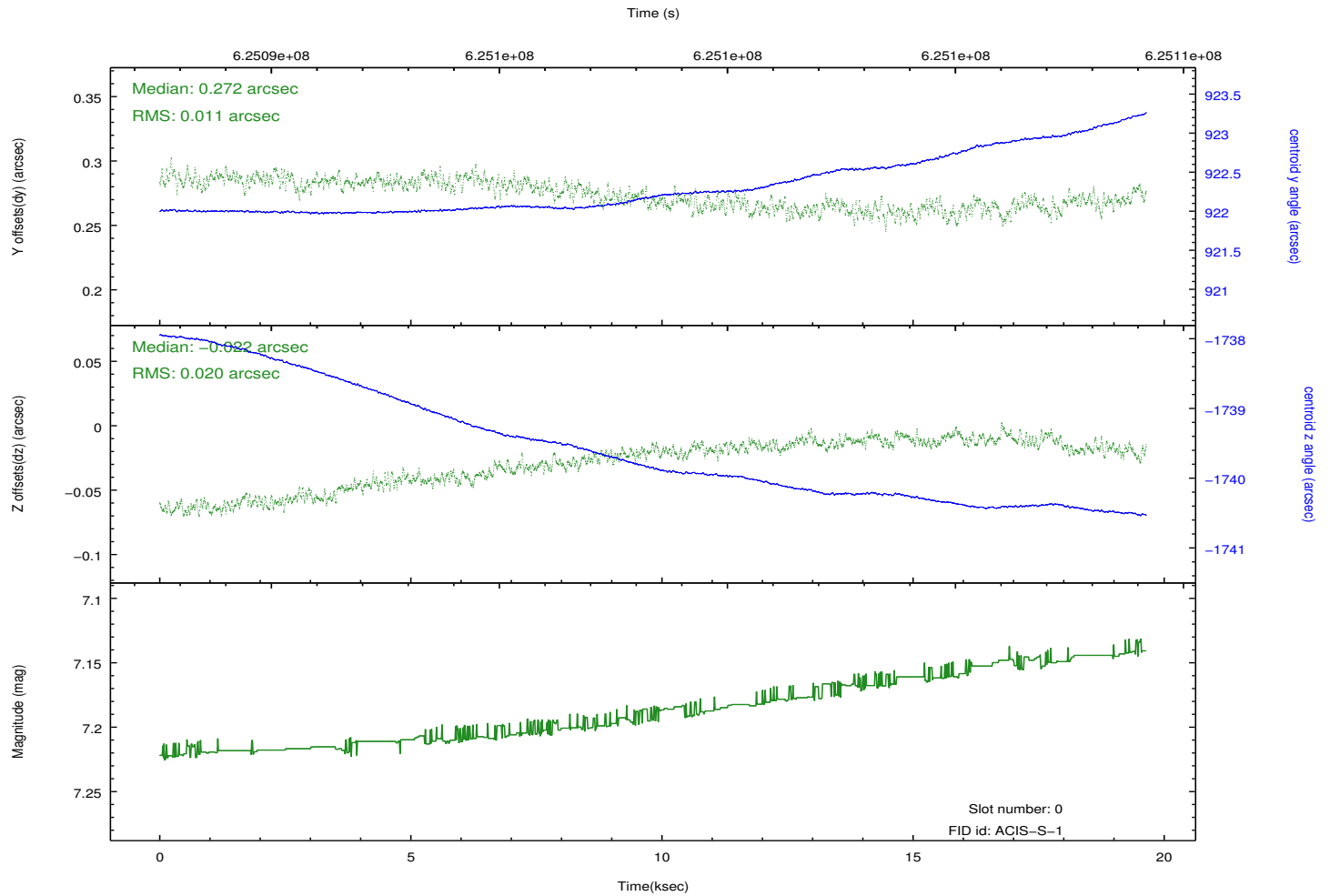
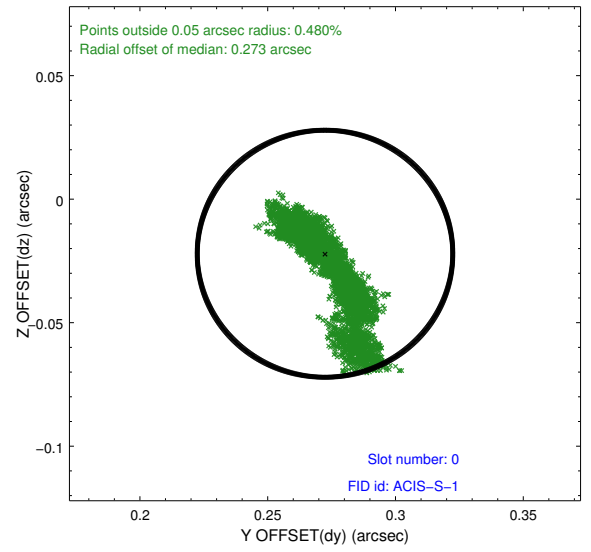
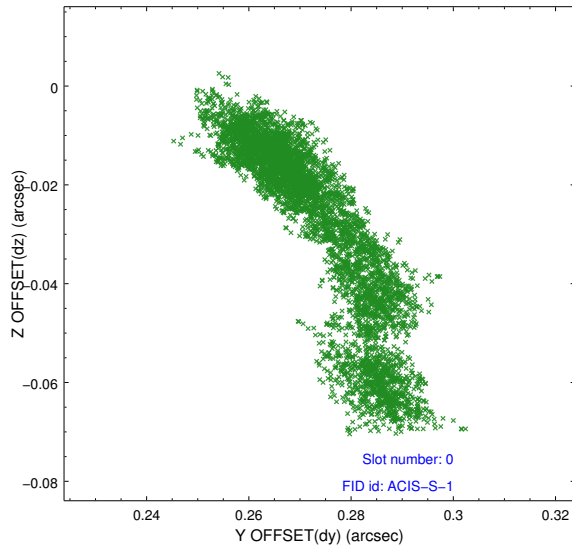


2.4.5 Slot 7

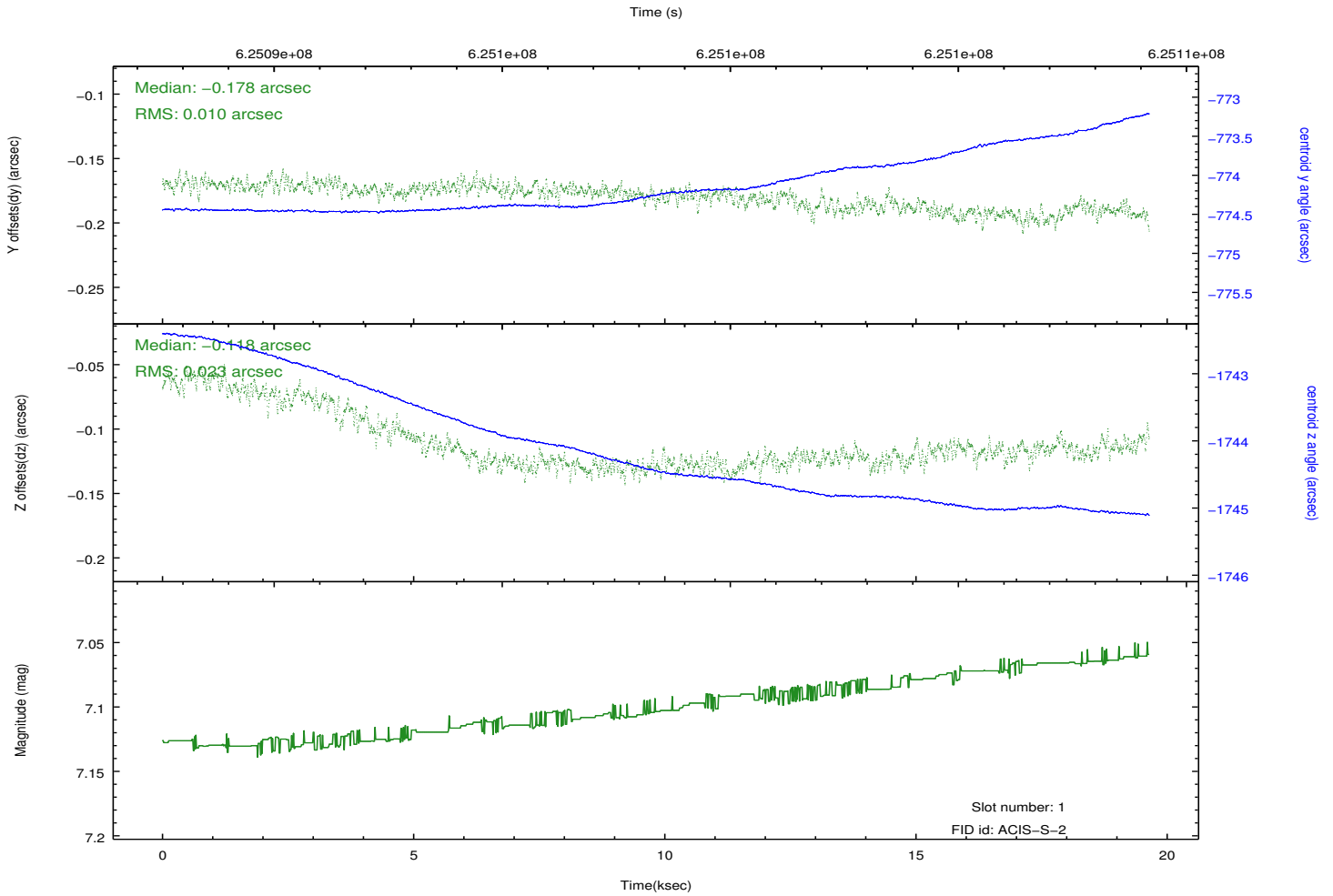
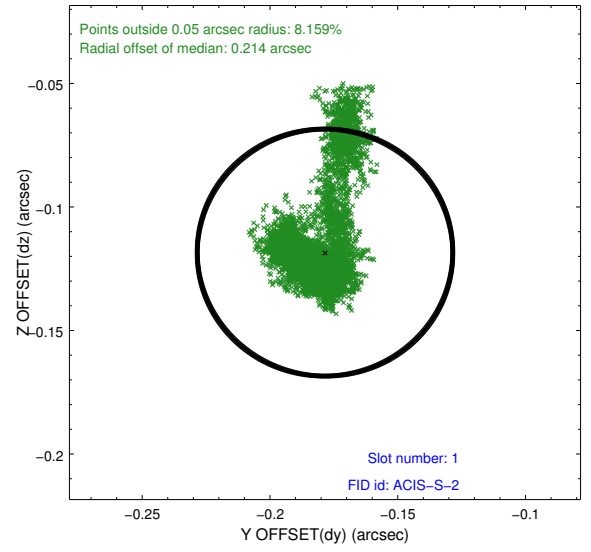
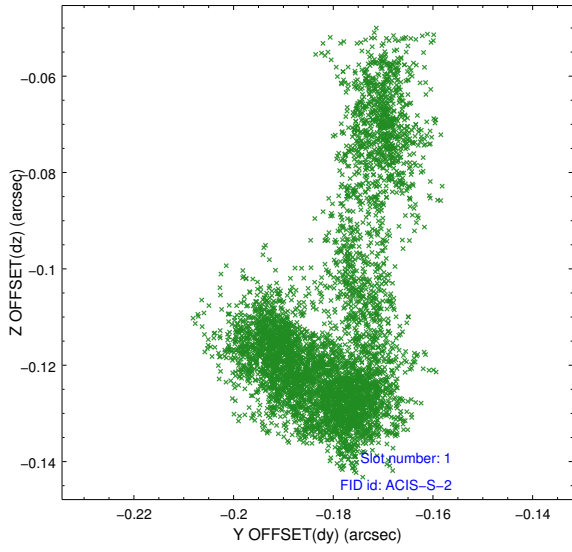


2.5 FID Slots

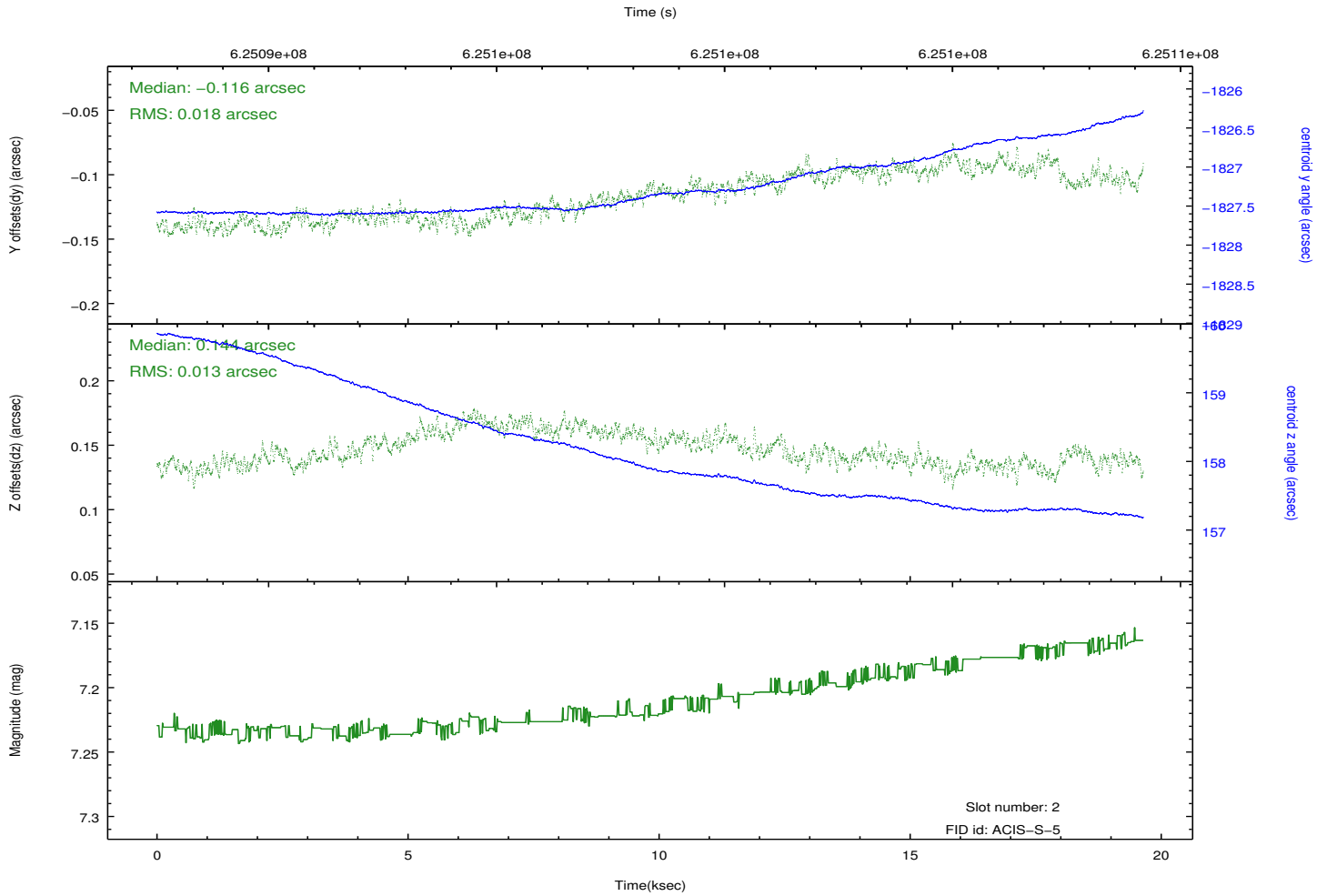
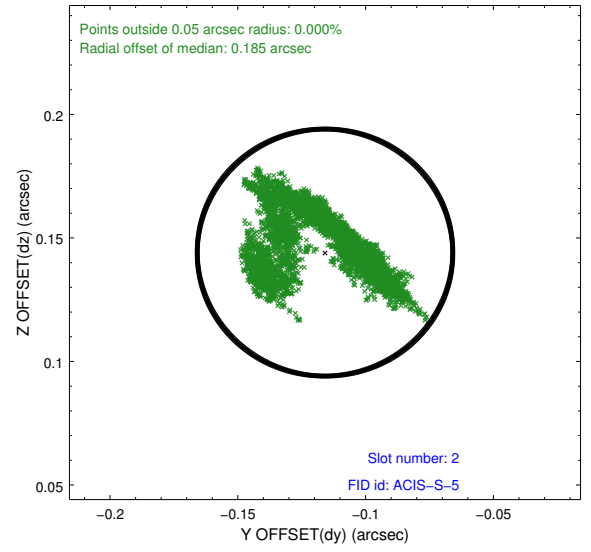
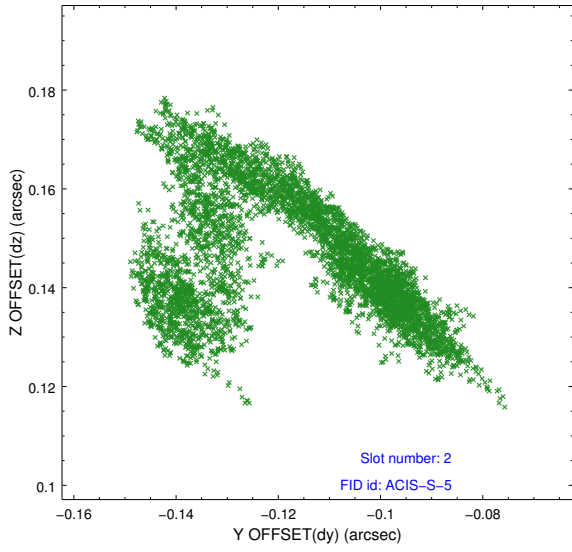
2.5.1 Slot 0



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)	2017.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.486504457593

A.2 Comments