

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19487 - L2 Version 1
Chandra X-Ray Center

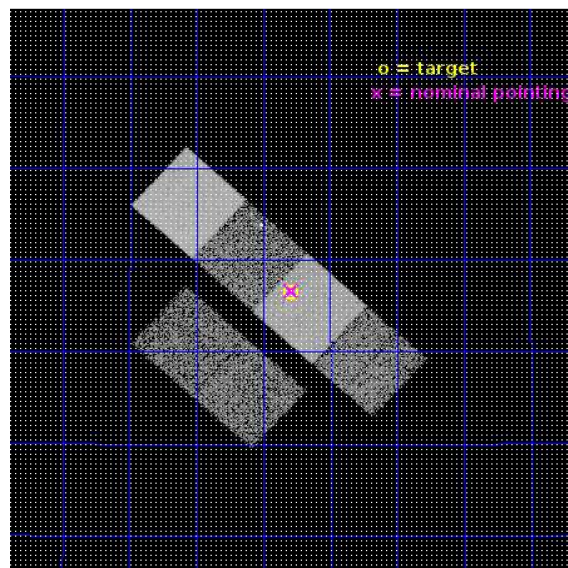
L2 Processing Date : Nov 17 2016

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1 Front

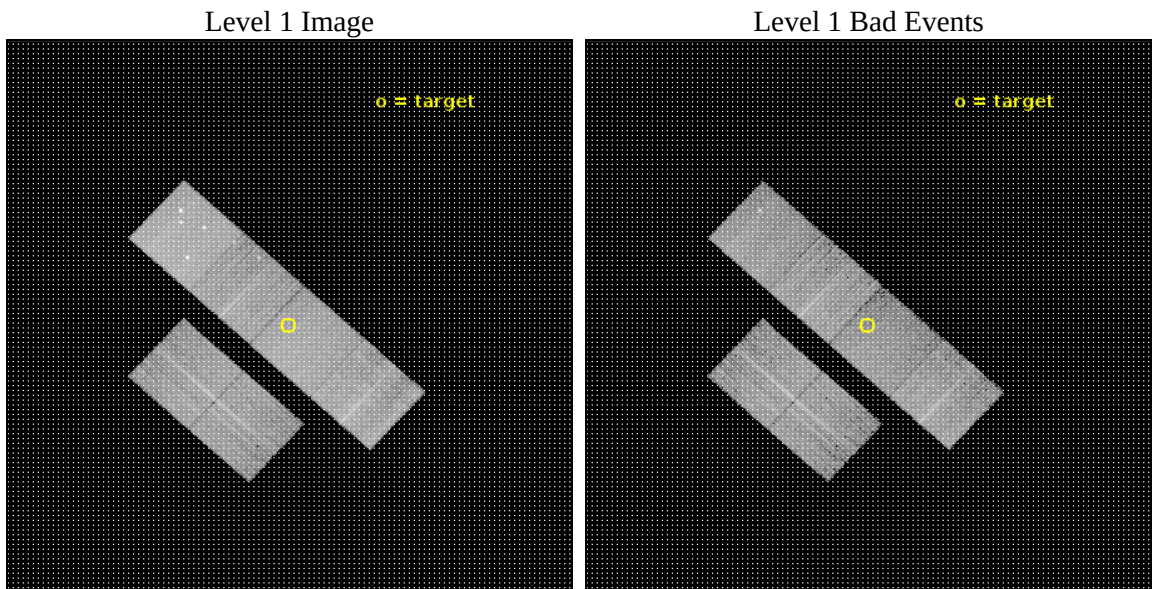
seq_num	703335	Sequence number
obs_id	19487	Observation id
title	UNDERSTANDING THE ROLE OF AGN IN TRANSITIONING GALAXI	Proposal tit
observer	Lauranne Lanz	Principal investigator
object	spog1081	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	198.698333	Observer's specified target RA [deg]
dec_targ	21.107306	Observer's specified target Dec [deg]
ra_nom	198.69759484253	Nominal RA [deg]
dec_nom	21.111380437691	Nominal Dec [deg]
roll_nom	42.399793356892	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9925.8975435495	Sum of GTIs [s]
livetime	9800.2098521952	Livetime [s]
ontime2	9925.9385834932	Sum of GTIs [s]
ontime3	9925.77442348	Sum of GTIs [s]
ontime5	9925.8565034866	Sum of GTIs [s]
ontime6	9925.8154635429	Sum of GTIs [s]
ontime7	9925.8975435495	Sum of GTIs [s]
ontime8	9919.251262784	Sum of GTIs [s]
l2events	113837	Number of level 2 events



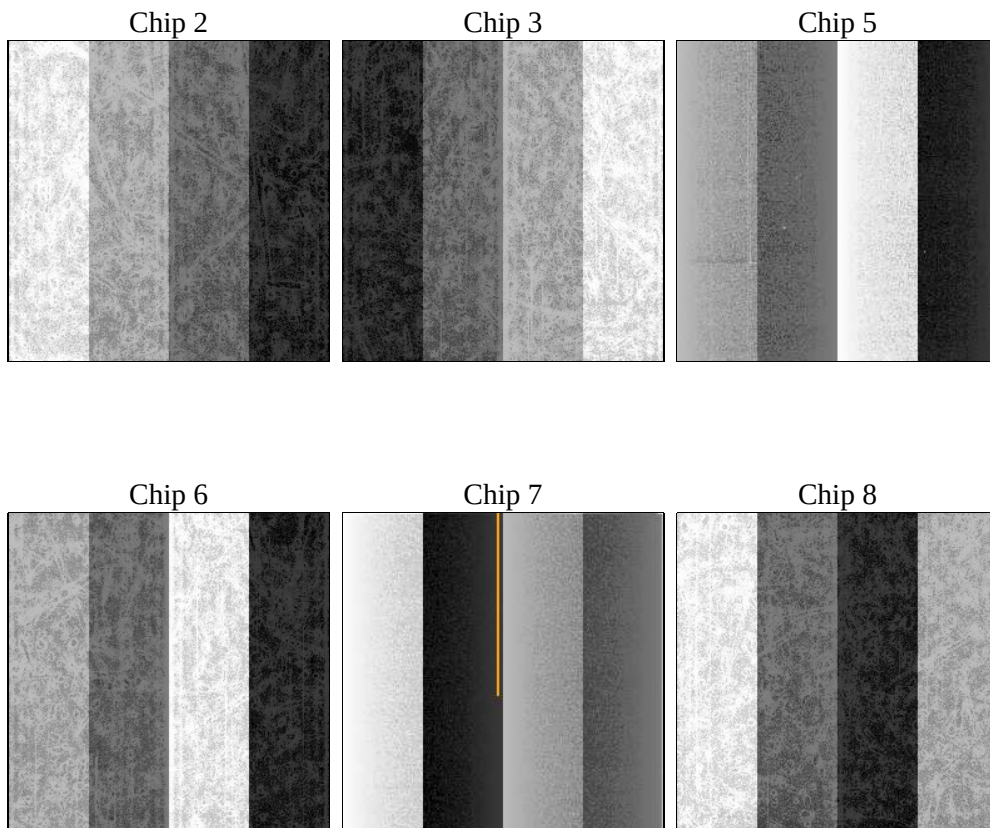
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	9925.8975435495	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	9925.9385834932	Sum of GTIs [s]
date	2016-11-18T02:02:18	Date and time of file creation	ontime3	9925.77442348	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	9925.8565034866	Sum of GTIs [s]
			ontime6	9925.8154635429	Sum of GTIs [s]
			ontime7	9925.8975435495	Sum of GTIs [s]
			ontime8	9919.251262784	Sum of GTIs [s]
			l1events	513093	Number of level 1 events

2.1.4 Events

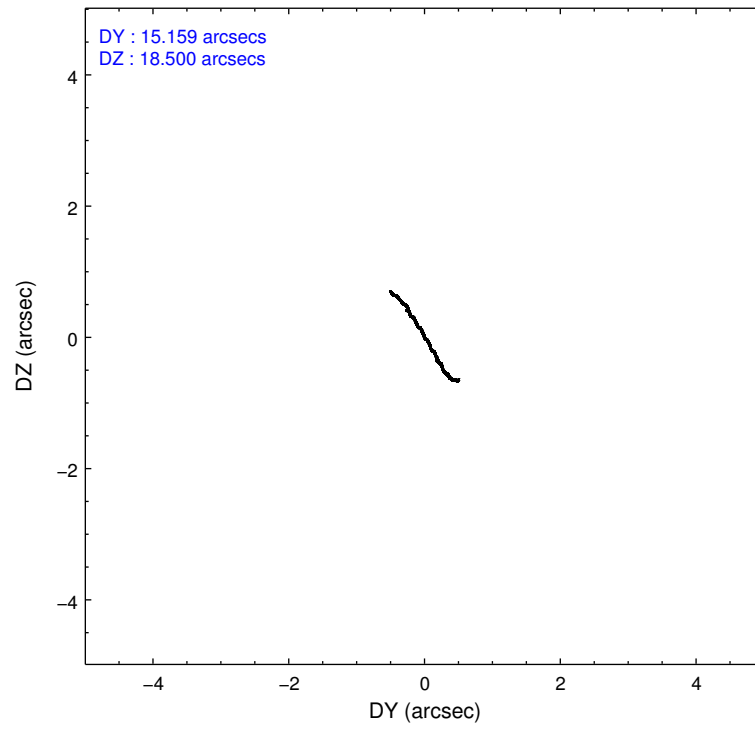
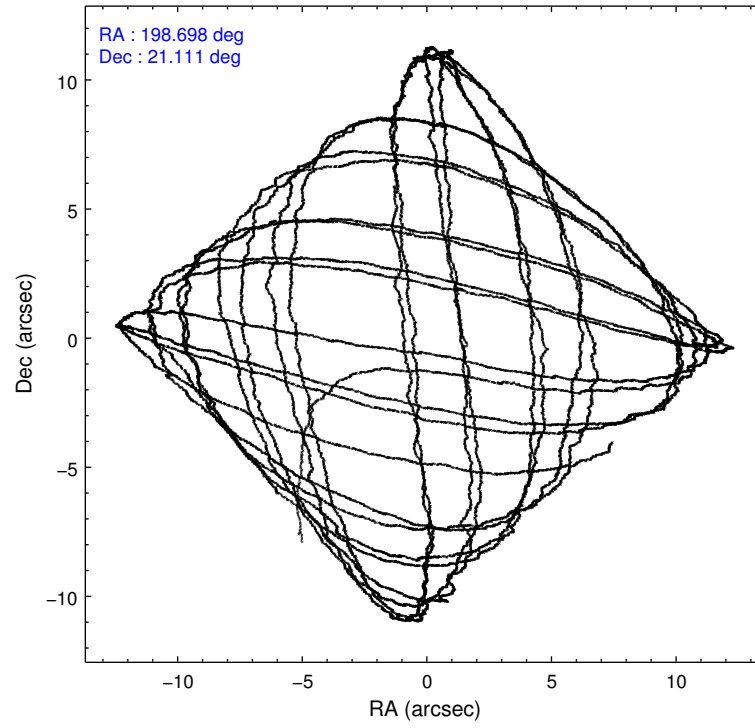
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	72747	67961	117144	75770	89280	90191	grade 0 events	2436	2349	9432	3092	3056	6224
rejected events	65800	61049	58244	67250	51263	68083		3%	3%	8%	4%	3%	6%
rejected %	90%	89%	49%	88%	57%	75%	grade 1 events	32	46	951	31	112	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	1629	1593	17012	1946	8123	5513
								2%	2%	14%	2%	9%	6%
							grade 3 events	713	742	1600	706	2823	2337
								0%	1%	1%	0%	3%	2%
							grade 4 events	781	720	1475	737	2780	2141
								1%	1%	1%	0%	3%	2%
							grade 5 events	2728	3211	7348	3055	8479	4841
								3%	4%	6%	4%	9%	5%
							grade 6 events	1389	1511	29394	2043	21246	5921
								1%	2%	25%	2%	23%	6%
							grade 7 events	63039	57789	49932	64160	42661	63132
								86%	85%	42%	84%	47%	69%

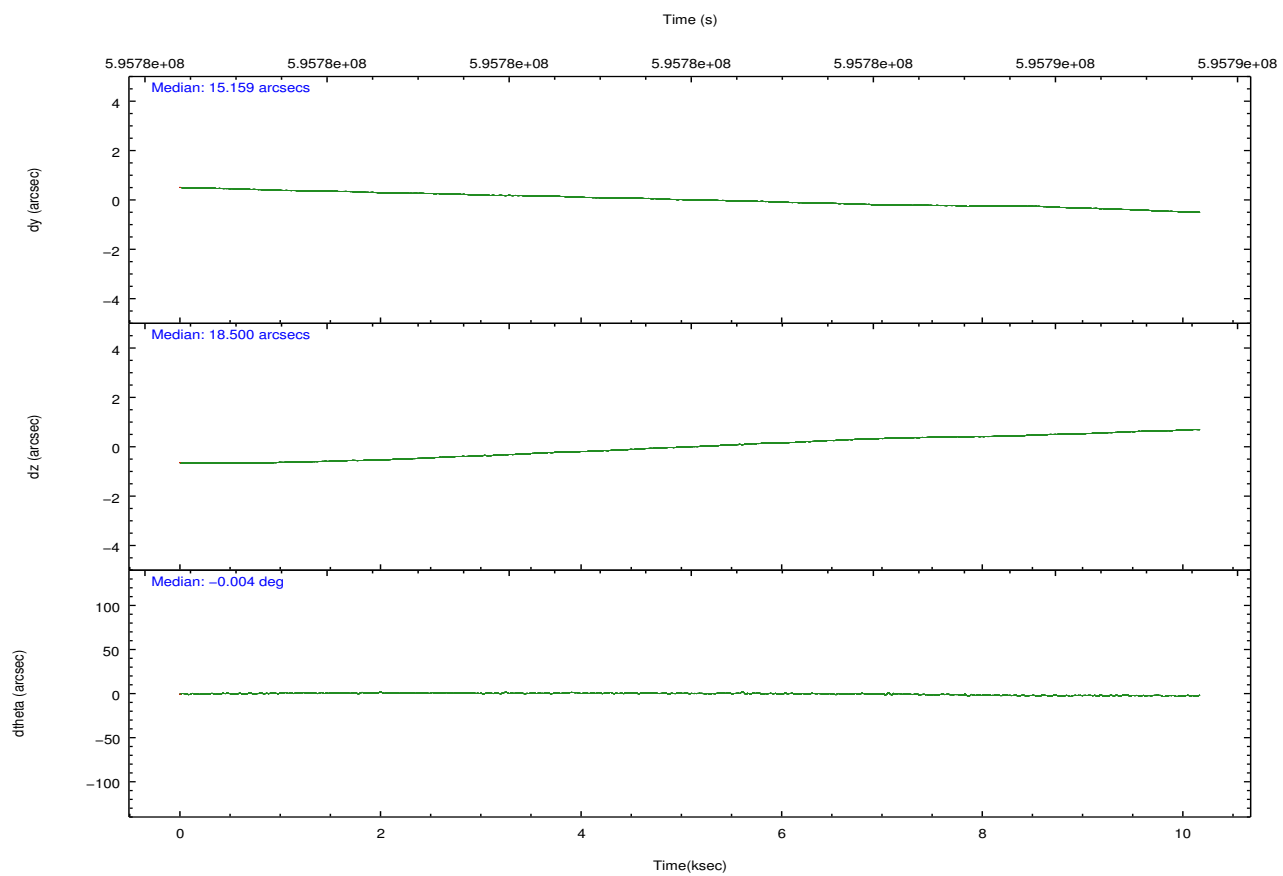
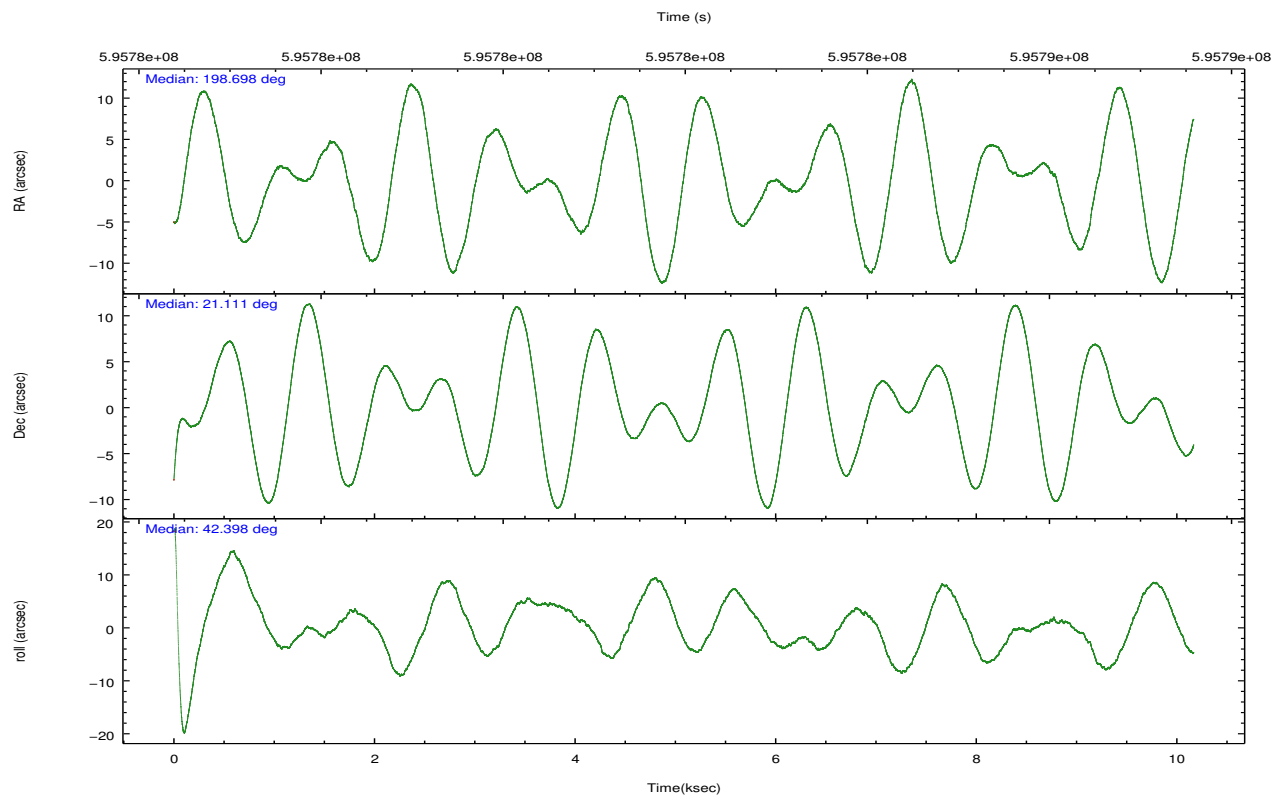
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	198.689061	198.6975948425324
[deg] Pointing Dec	21.085134	21.11138043769066
[deg] Pointing Roll	42.246183	42.3997933568919
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	595777046.184000	595775791.9789701
Observation start date	2016-11-17T13:36:18	2016-11-17T13:16:31
[s] Observation end time (MET)	595787046.184000	595788408.1921999
Observation end date	2016-11-17T16:22:58	2016-11-17T16:46:48
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O2	Y
CCD I3 on	O1	Y
CCD S0 on	N	N
CCD S1 on	Y	Y
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



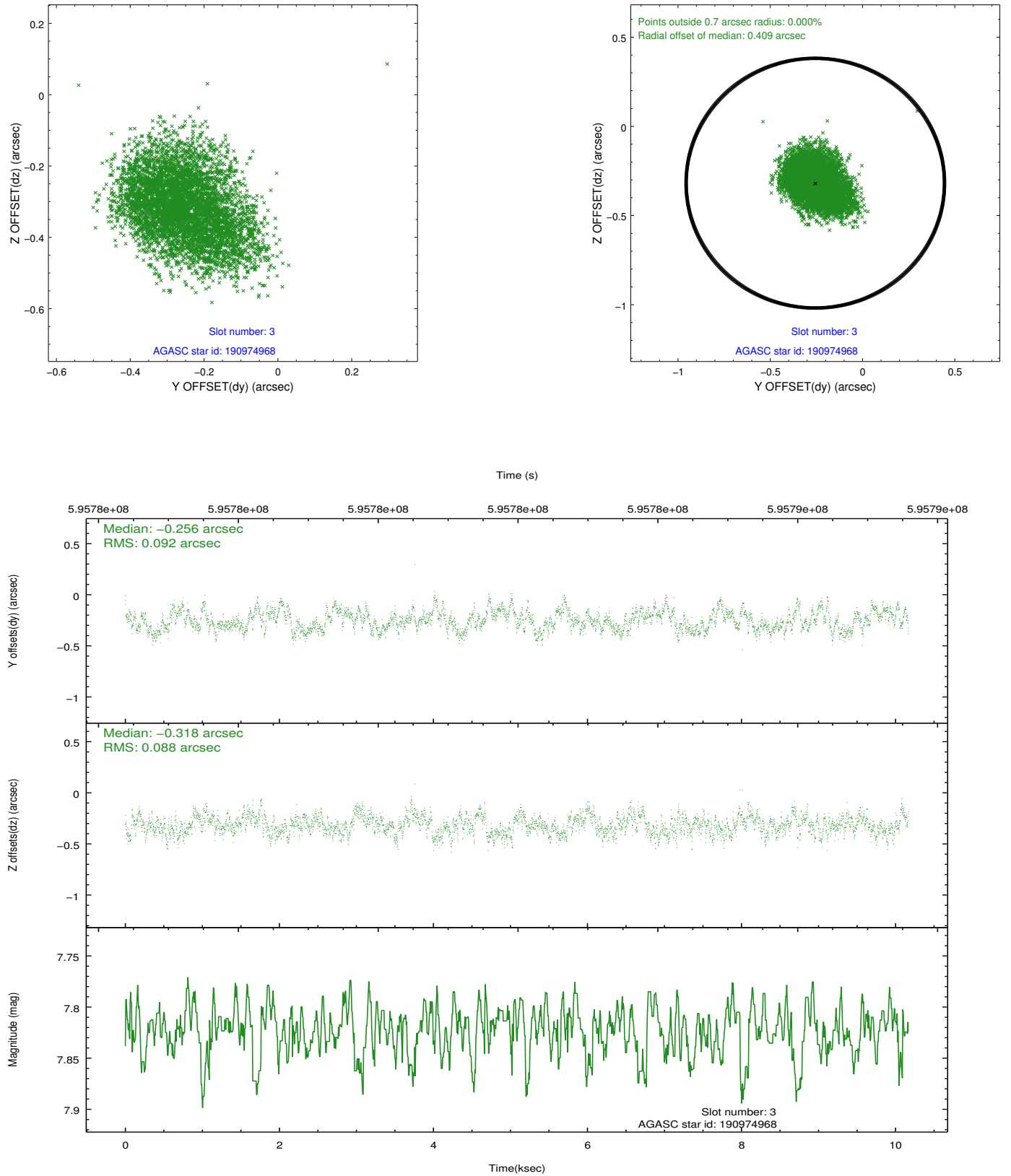


Slot Statistics

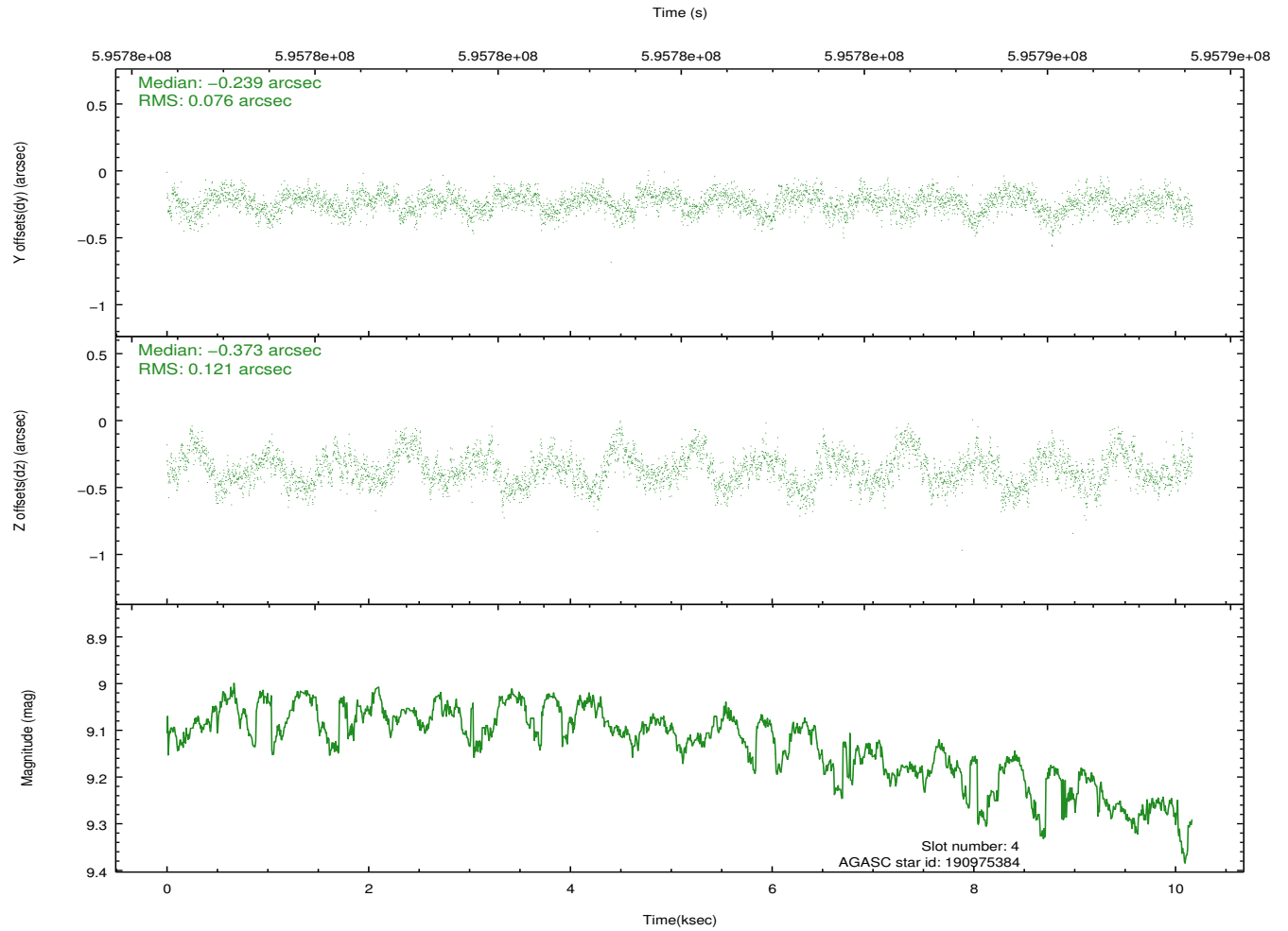
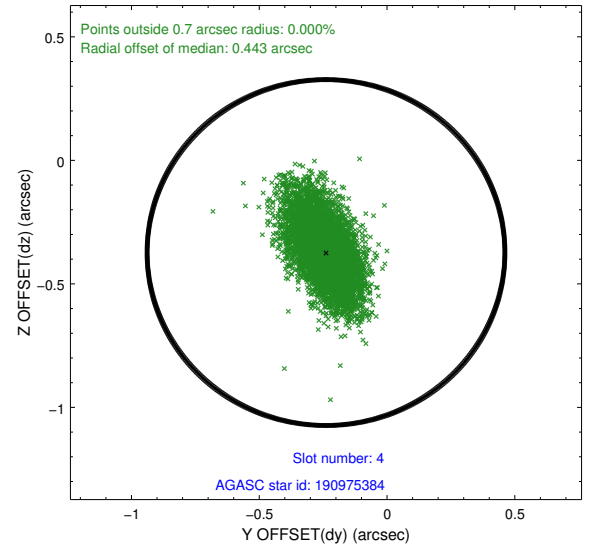
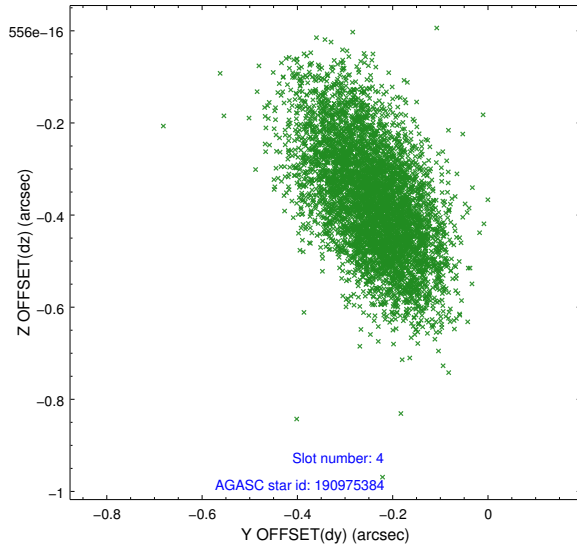
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.09	2481	-0.201	-0.145	0.012	0.023	0.000000	0.000000	-768.36	-1740.04
1	FID		ACIS-S-4	7.19	2481	0.483	0.135	0.009	0.017	0.000000	0.000000	2145.38	168.16
2	FID		ACIS-S-5	7.19	2481	-0.313	0.018	0.012	0.019	0.000000	0.000000	-1820.63	162.33
3	GUIDE	used	190974968	7.82	4960	-0.256	-0.318	0.137	0.214	198.990472	21.381805	1466.20	112.10
4	GUIDE	used	190975384	9.11	4957	-0.239	-0.373	0.148	0.257	198.755158	21.231578	518.44	241.45
5	GUIDE	used	190975728	8.94	4953	0.273	0.289	0.153	0.252	199.502372	20.998243	1818.84	-2064.84
6	GUIDE	used	190980688	8.12	4959	0.323	0.075	0.112	0.178	198.430177	20.416265	-2264.38	-1194.57
7	GUIDE	used	190979456	9.55	4950	-0.101	0.313	0.275	0.405	198.204103	20.643317	-2277.25	-76.85

2.4 Star Slots

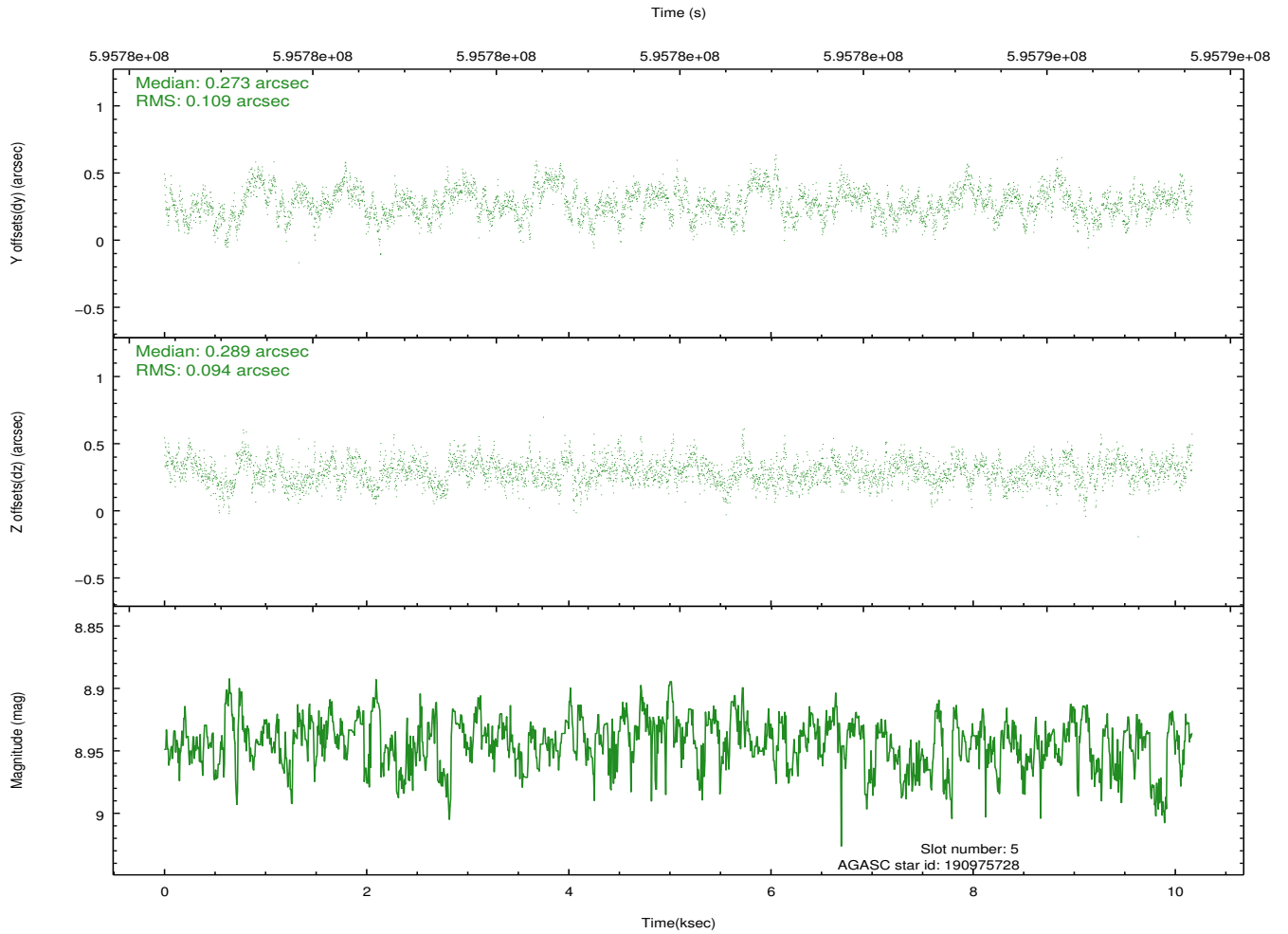
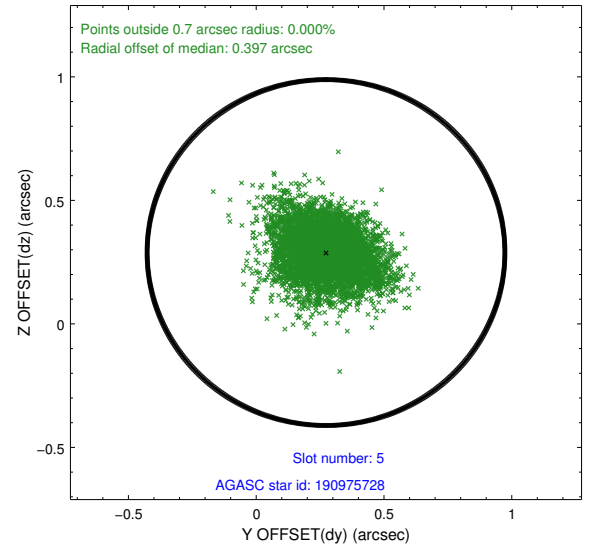
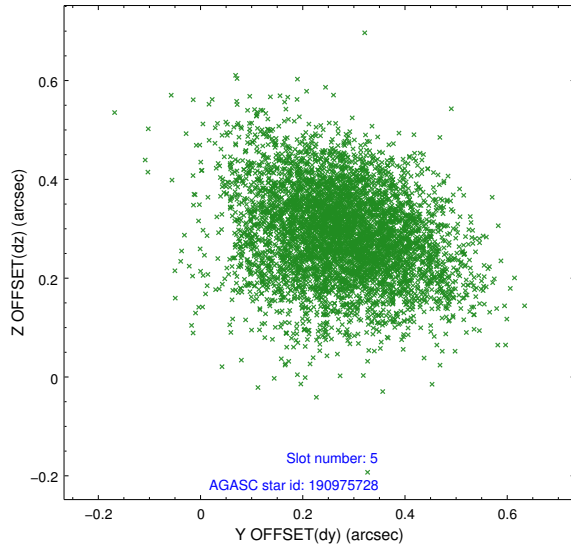
2.4.1 Slot 3



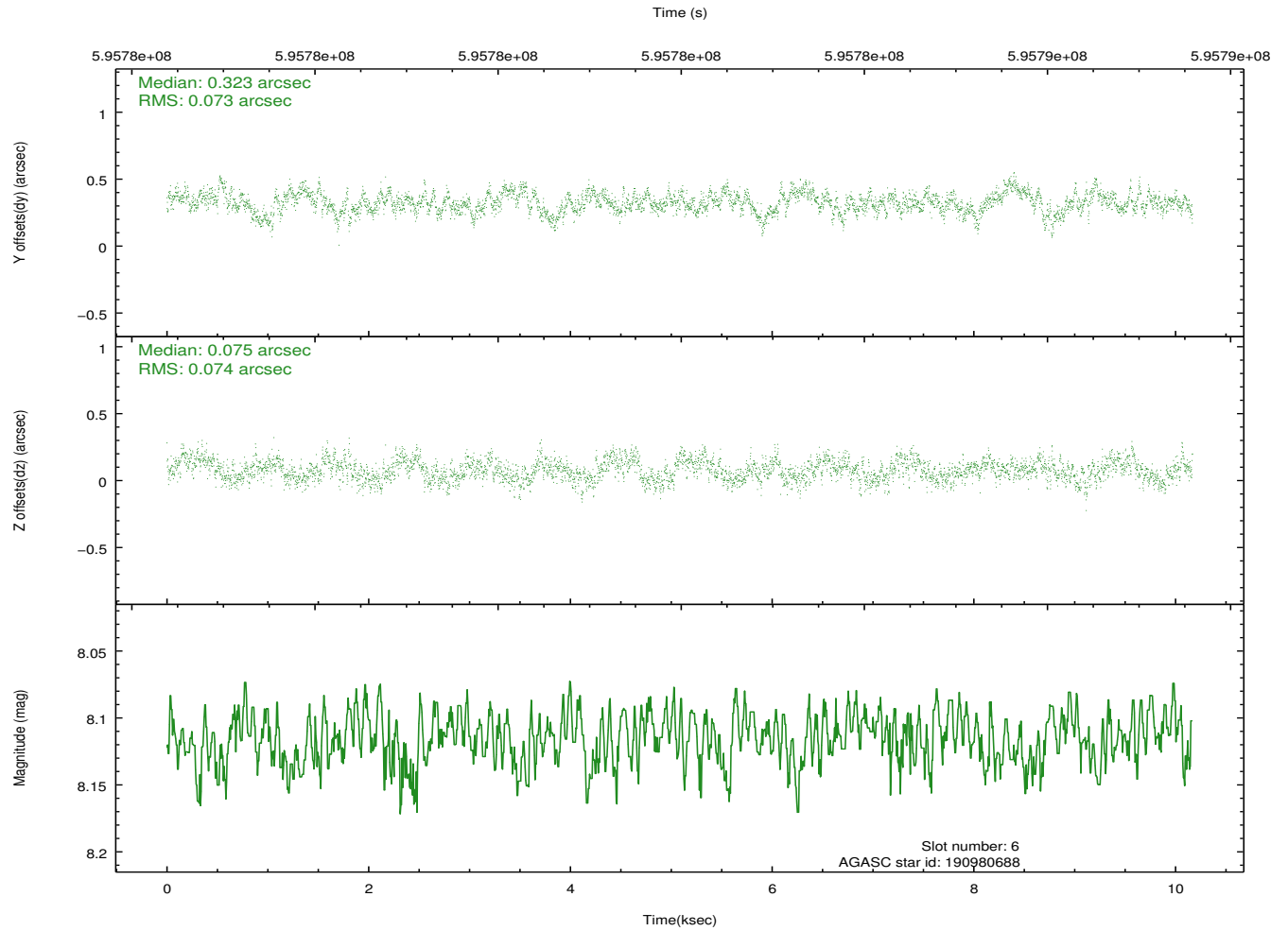
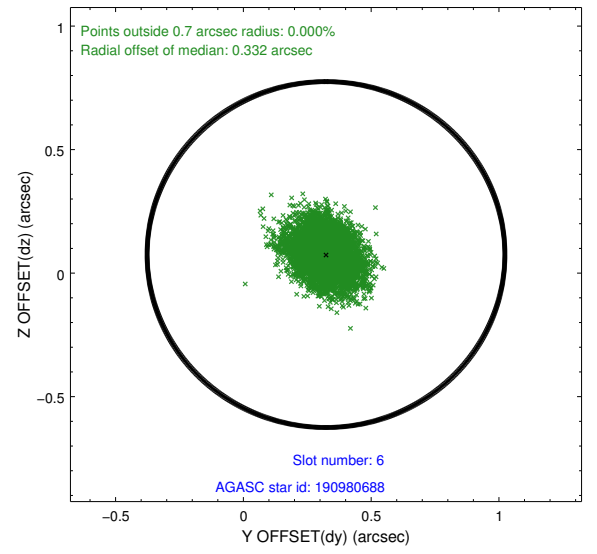
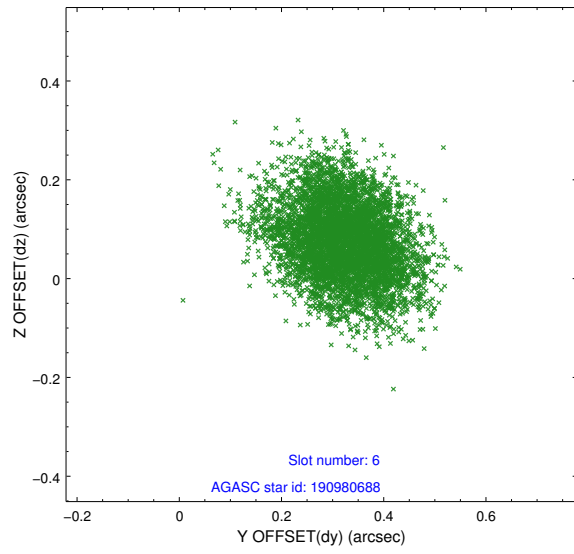
2.4.2 Slot 4



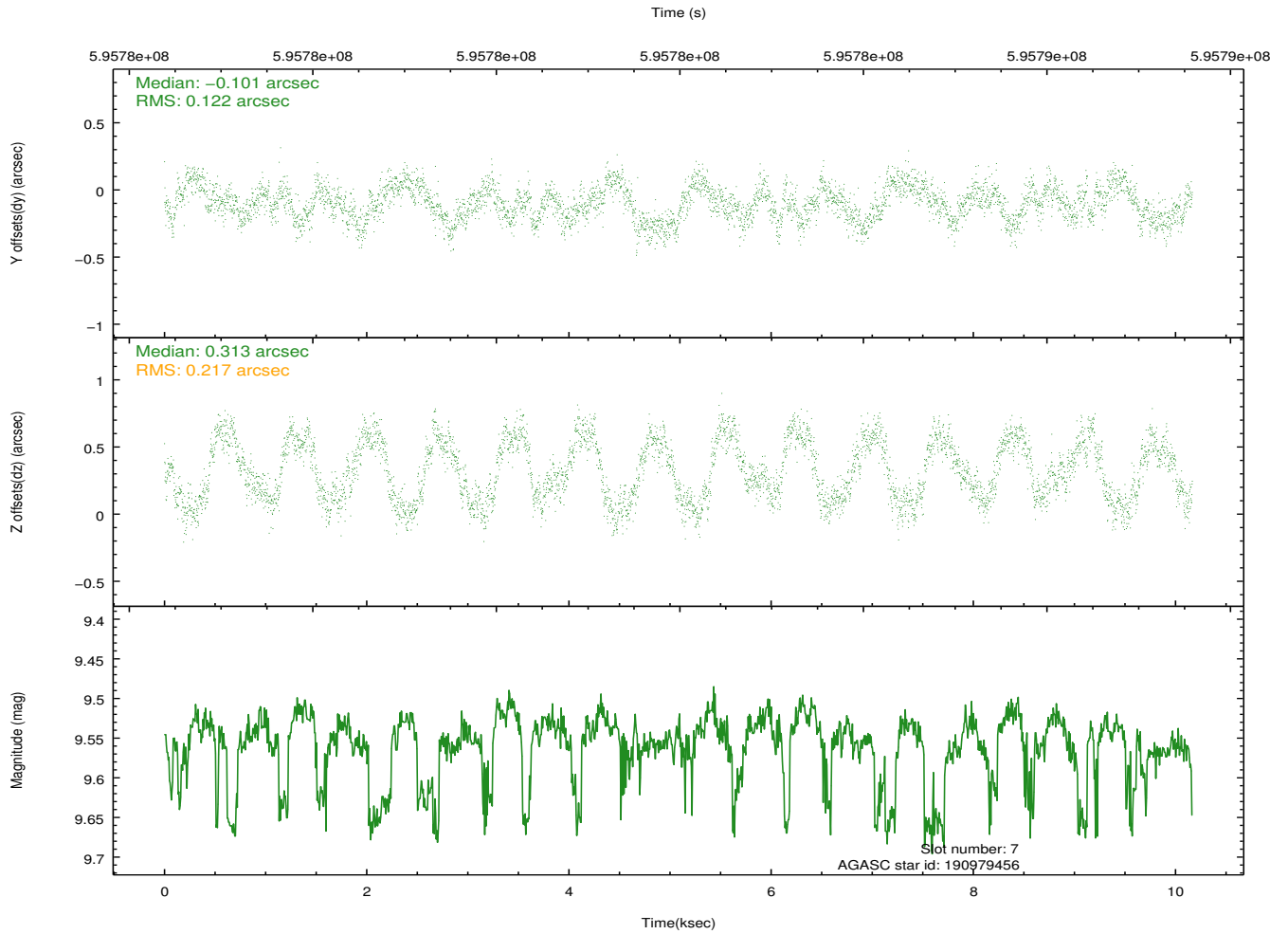
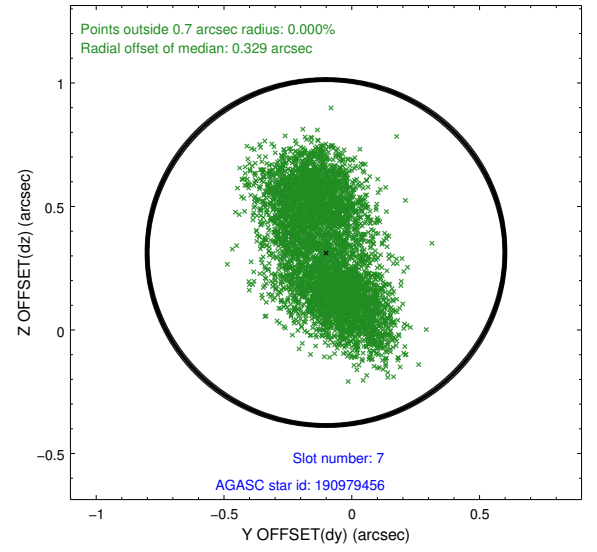
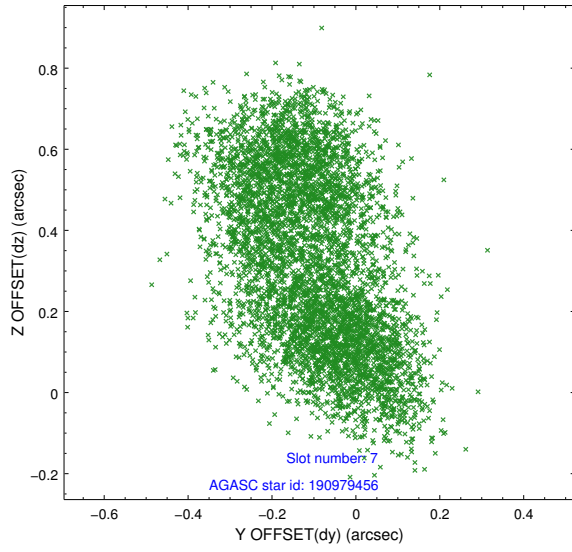
2.4.3 Slot 5



2.4.4 Slot 6

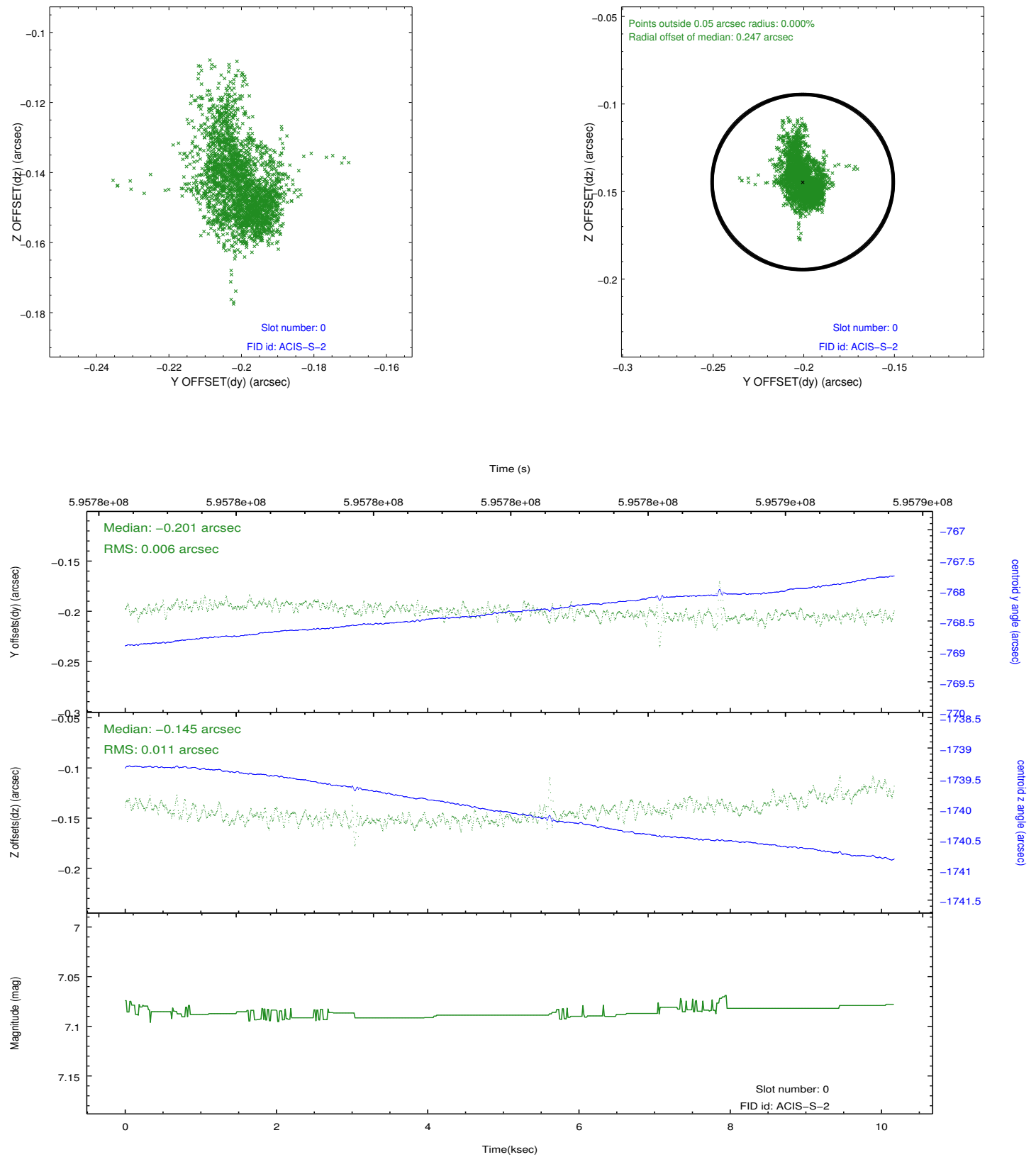


2.4.5 Slot 7

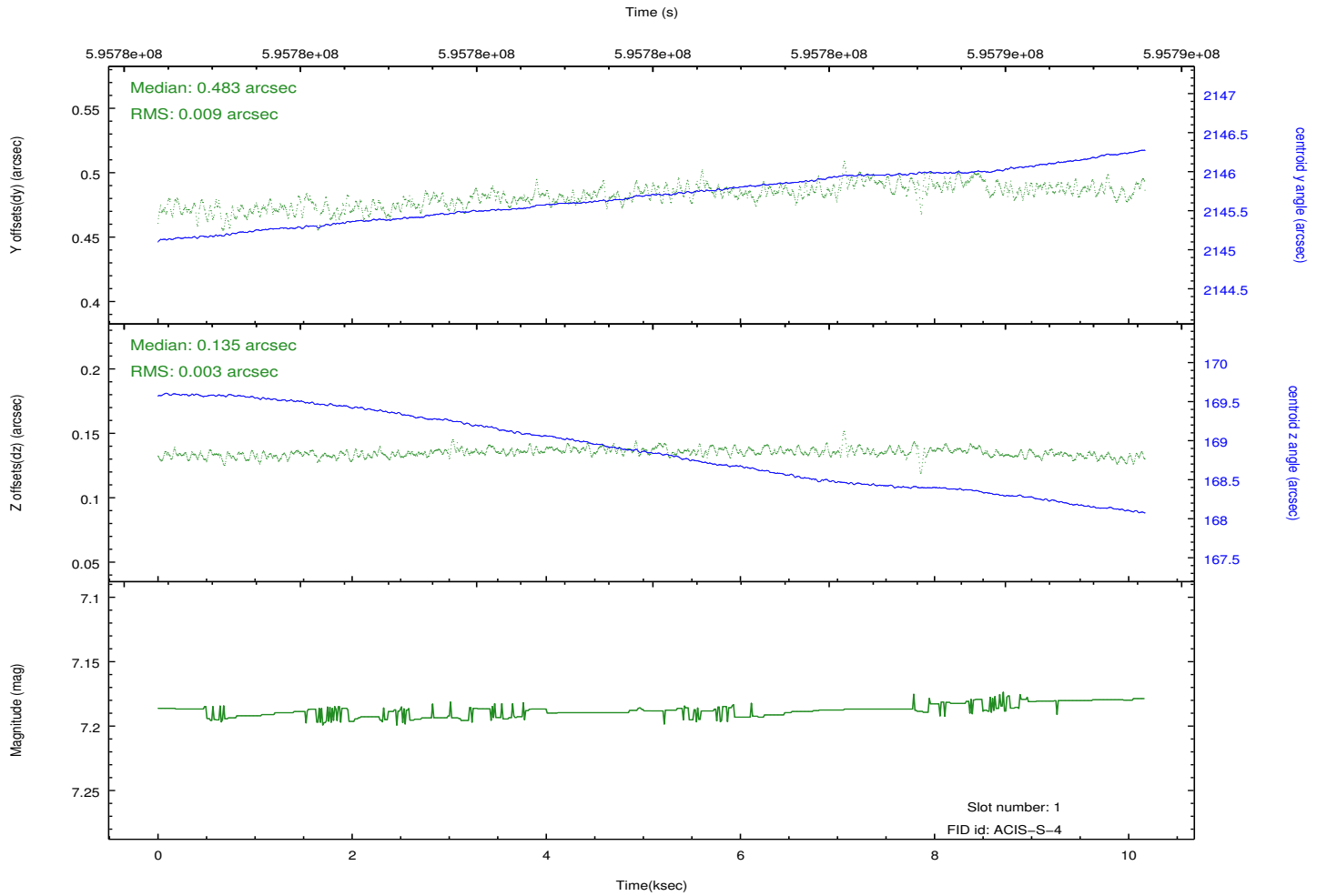
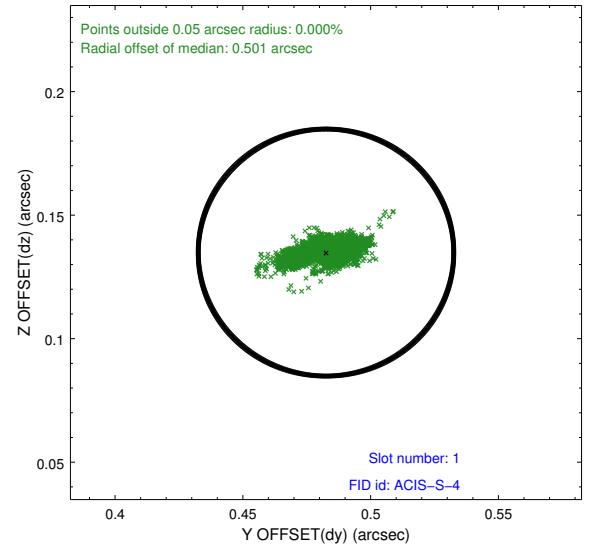
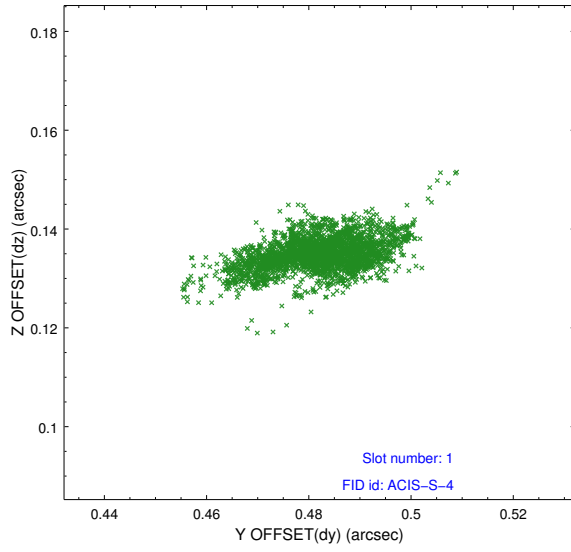


2.5 FID Slots

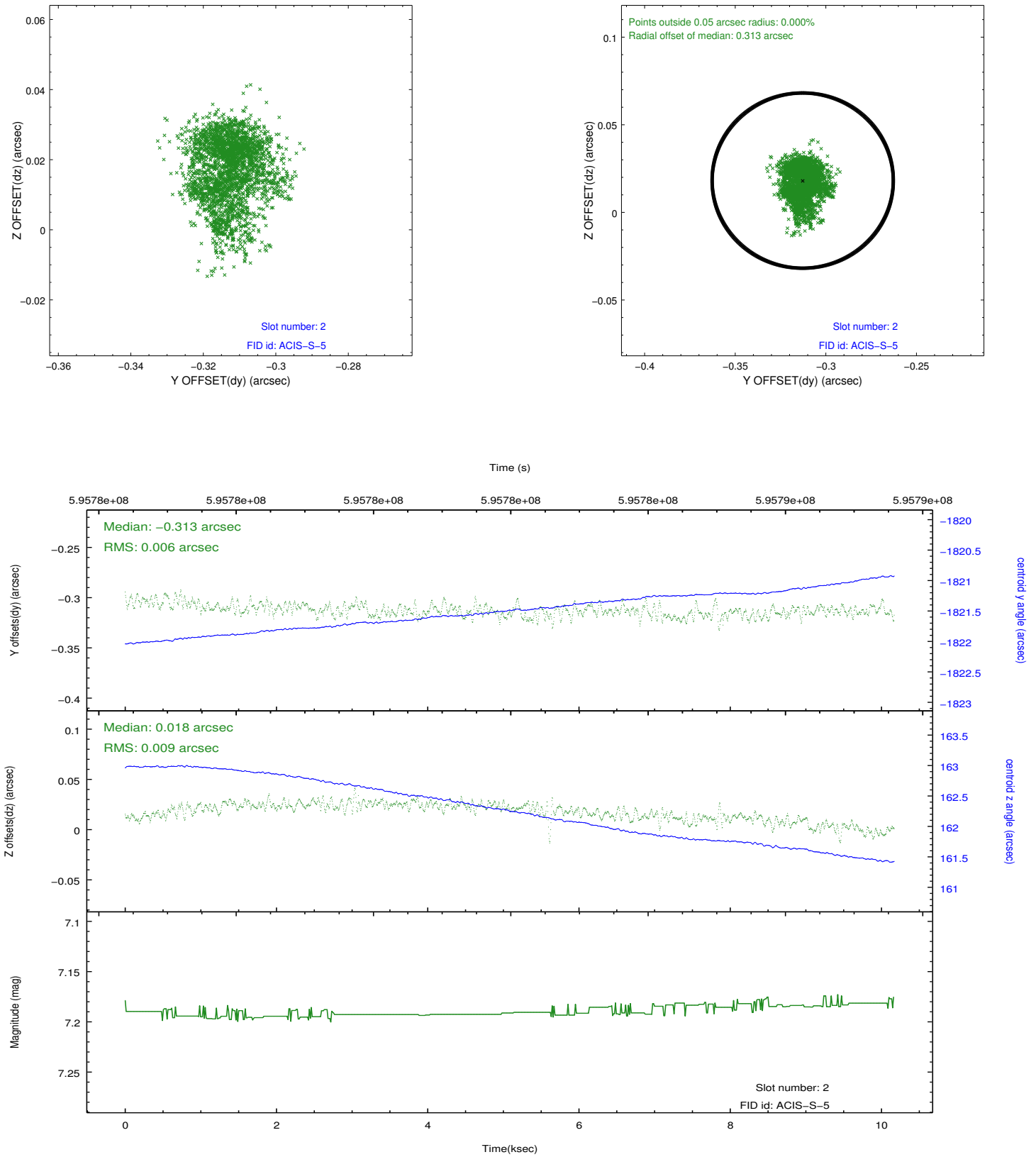
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.11.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.9258975435495

A.2 Comments