

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3034 - L2 Version 3
Chandra X-Ray Center

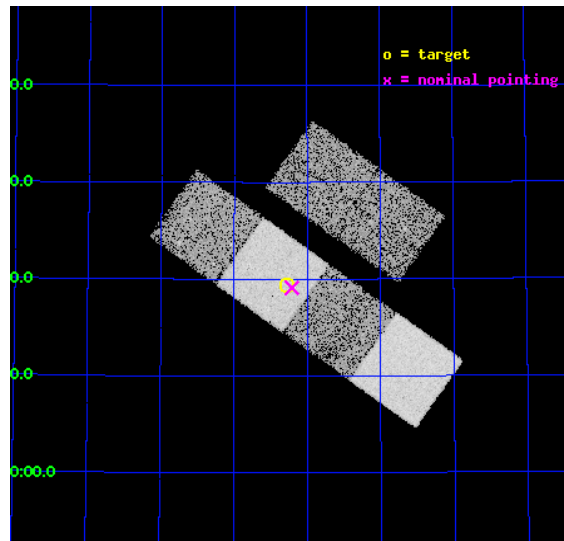
L2 Processing Date : Oct 3 2012

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1 Front

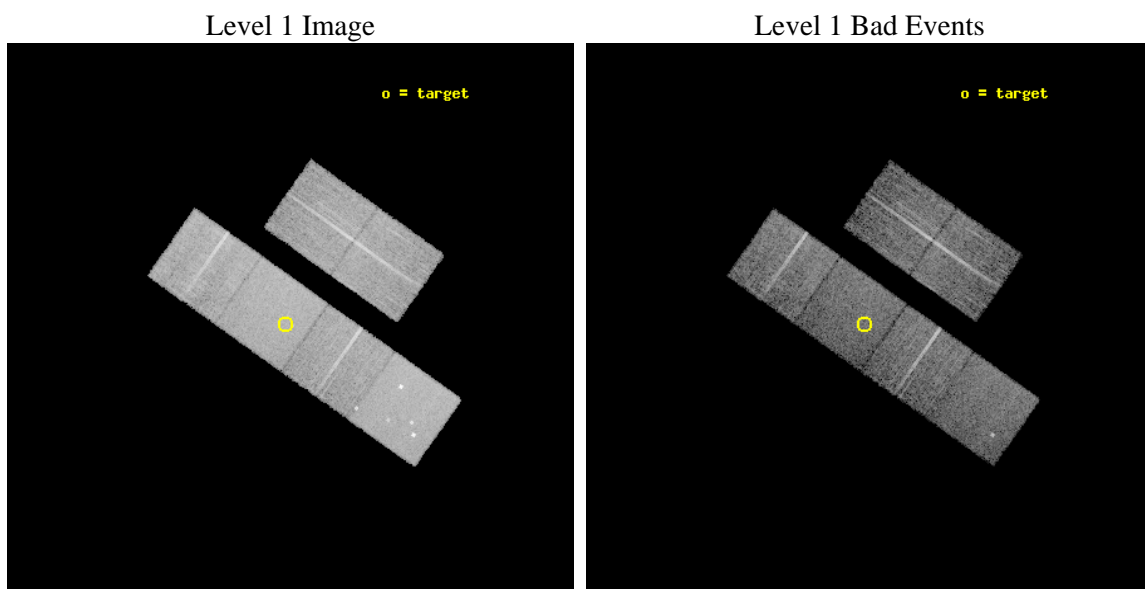
seq_num	700473	Sequence number
obs_id	3034	Observation id
title	A CHANDRA AND XMM-NEWTON STUDY OF THE MOST DISTANT QUASARS: X-RAYING THE FIRST MASSIVE BLACK HOLES	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS091316+591921	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	138.319167	Observer's specified target RA [deg]
dec_targ	59.322639	Observer's specified target Dec [deg]
ra_nom	138.30194113864	Nominal RA [deg]
dec_nom	59.318531075249	Nominal Dec [deg]
roll_nom	215.2645676621	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9958.3407467604	Sum of GTIs [s]
livetime	9832.242240032	Livetime [s]
ontime2	9958.3817867637	Sum of GTIs [s]
ontime3	9958.2176267654	Sum of GTIs [s]
ontime5	9958.2997067571	Sum of GTIs [s]
ontime6	9958.2586667687	Sum of GTIs [s]
ontime7	9958.3407467604	Sum of GTIs [s]
ontime8	9958.1765867621	Sum of GTIs [s]
l2events	104141	Number of level 2 events



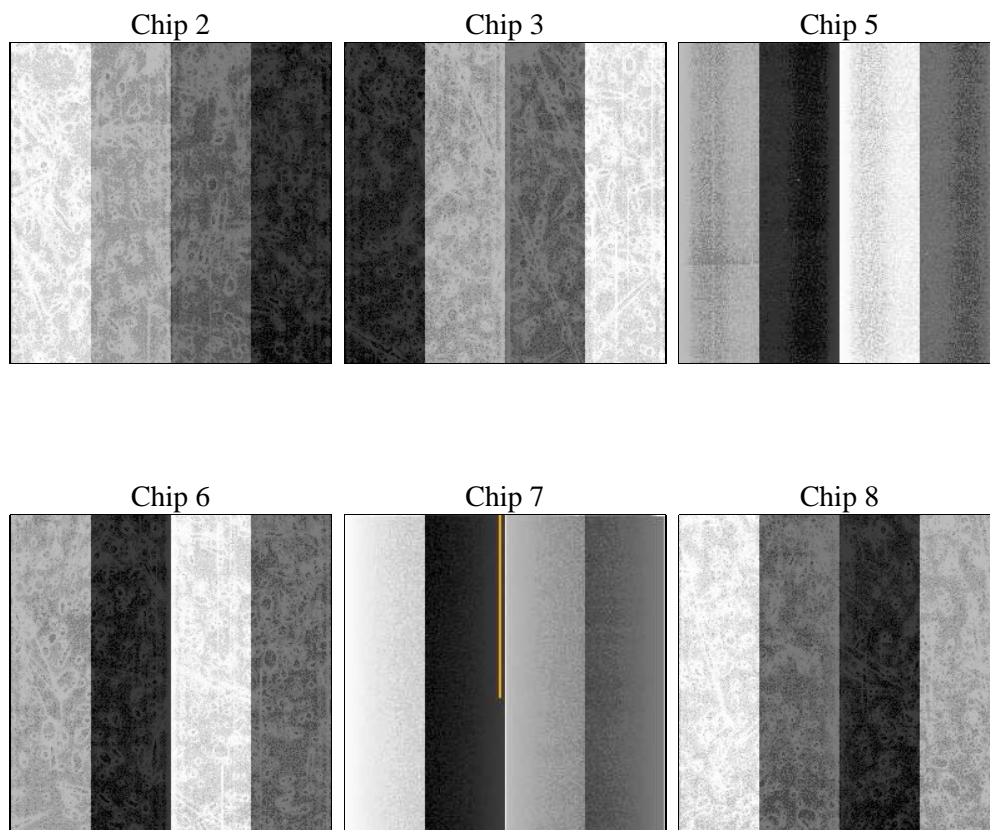
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9958.3407467604	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	9958.3817867637	Sum of GTIs [s]
date	2012-10-03T03:40:43	Date and time of file creation	ontime3	9958.2176267654	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9958.2997067571	Sum of GTIs [s]
			ontime6	9958.2586667687	Sum of GTIs [s]
			ontime7	9958.3407467604	Sum of GTIs [s]
			ontime8	9958.1765867621	Sum of GTIs [s]
			l1events	475444	Number of level 1 events

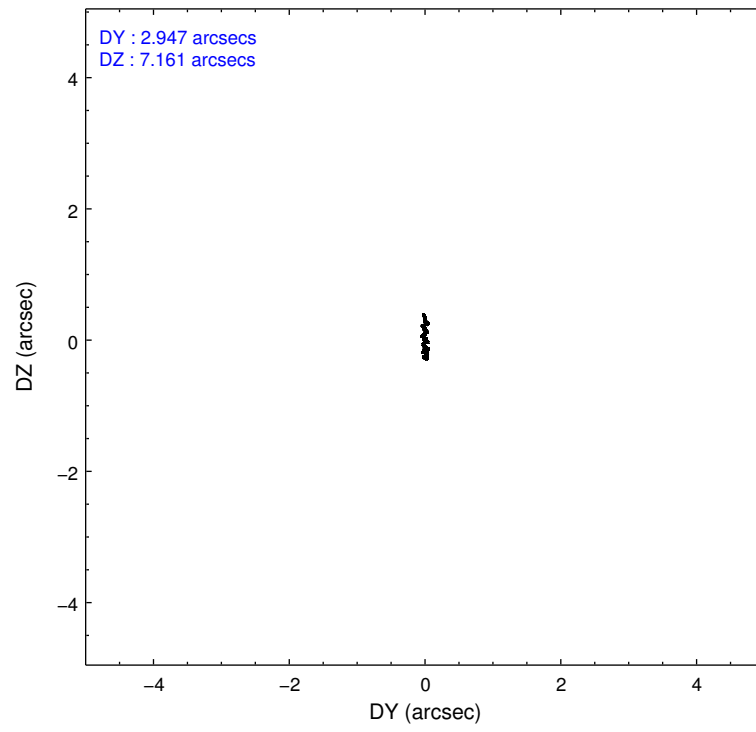
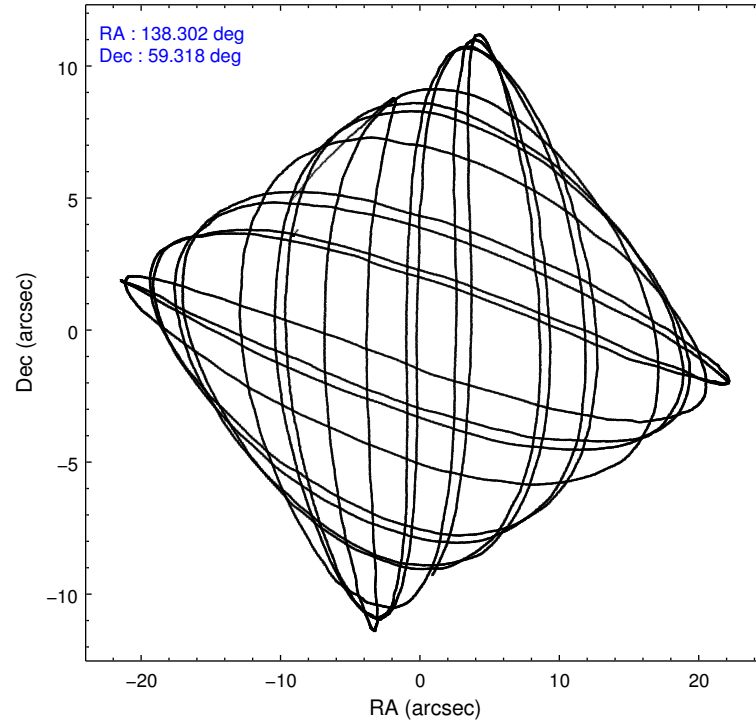
2.1.4 Events

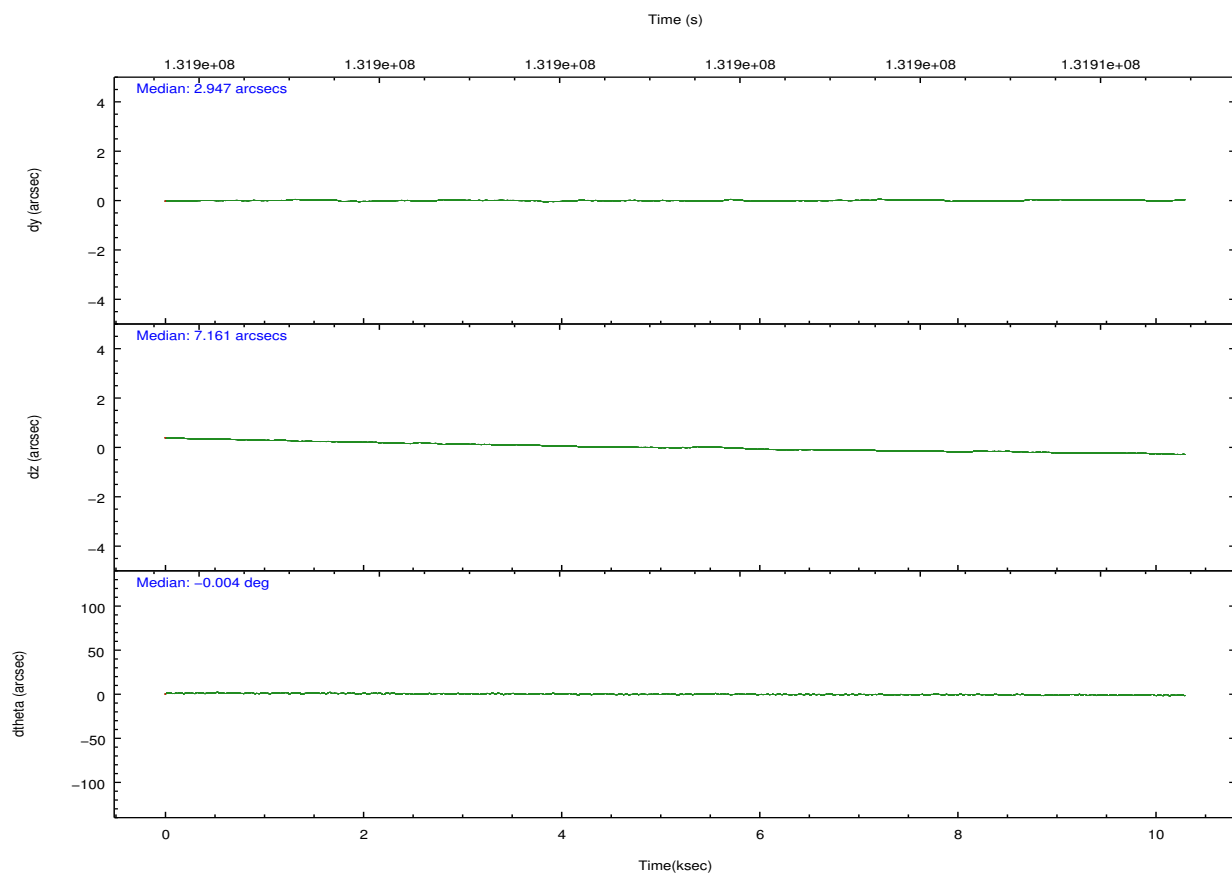
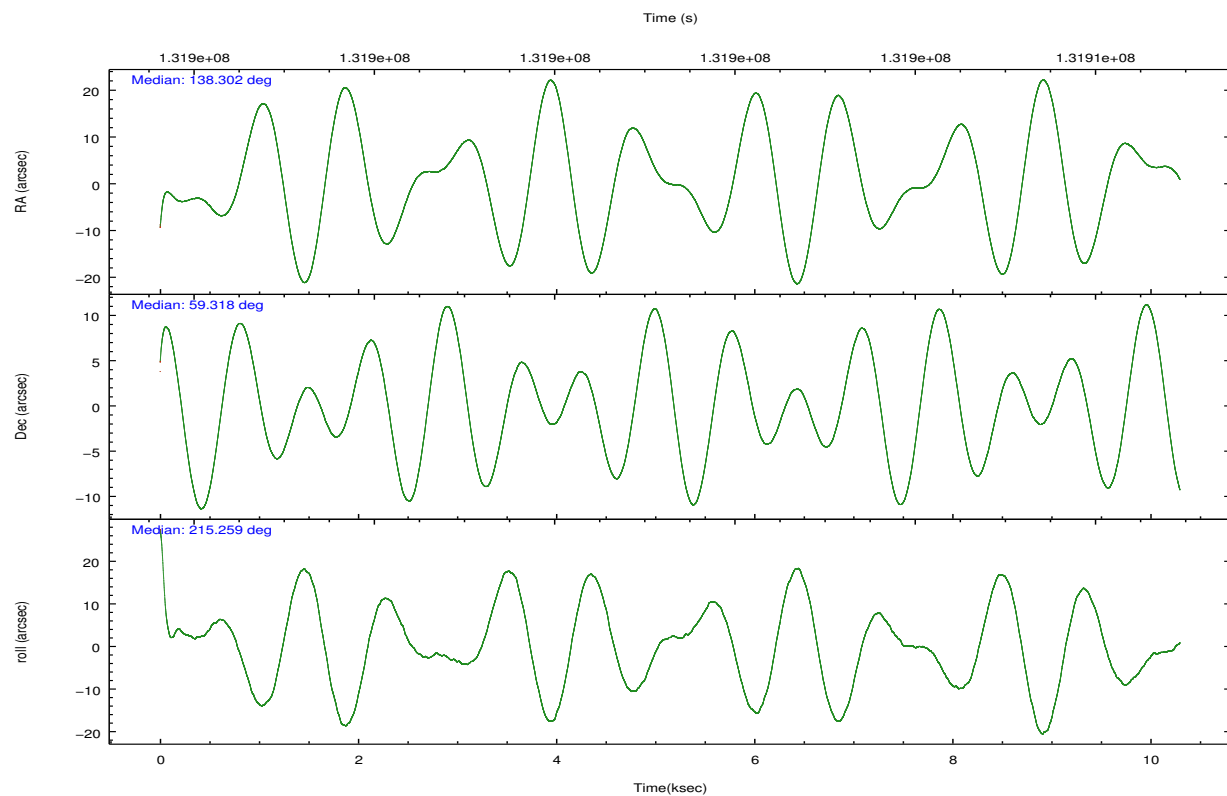
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	68094	65606	98961	68142	87923	86718	grade 0 events	3332	3185	6516	3194	3258	5702
rejected events	60163	58121	52624	60244	51776	68600		4%	4%	6%	4%	3%	6%
rejected %	88%	88%	53%	88%	58%	79%	grade 1 events	42	30	151	40	73	56
								0%	0%	0%	0%	0%	0%
							grade 2 events	1776	1545	13096	1628	7175	3803
								2%	2%	13%	2%	8%	4%
							grade 3 events	724	695	1926	705	3269	2031
								1%	1%	1%	1%	3%	2%
							grade 4 events	709	712	1773	759	3291	2010
								1%	1%	1%	1%	3%	2%
							grade 5 events	2337	2597	7231	2729	8363	3701
								3%	3%	7%	4%	9%	4%
							grade 6 events	1392	1348	23037	1613	19162	4581
								2%	2%	23%	2%	21%	5%
							grade 7 events	57782	55494	45231	57474	43332	64834
								84%	84%	45%	84%	49%	74%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	138.323708	138.3019411386419	Subarray requested	NONE	NONE
[deg] Pointing Dec	59.343404	59.31853107524871	Alternating exposures requested	N	N
[deg] Pointing Roll	215.089193	215.2645676620977	[s] Primary exposure time	0.000000	3.2
[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)	131896427.184000	131895404.20273			
Observation start date	2002-03-07T13:52:43	2002-03-07T13:36:44			
[s] Observation end time (MET)	131906427.184000	131907126.6157			
Observation end date	2002-03-07T16:39:23	2002-03-07T16:52:06			
Read mode	TIMED	TIMED			

2.3 Aspect



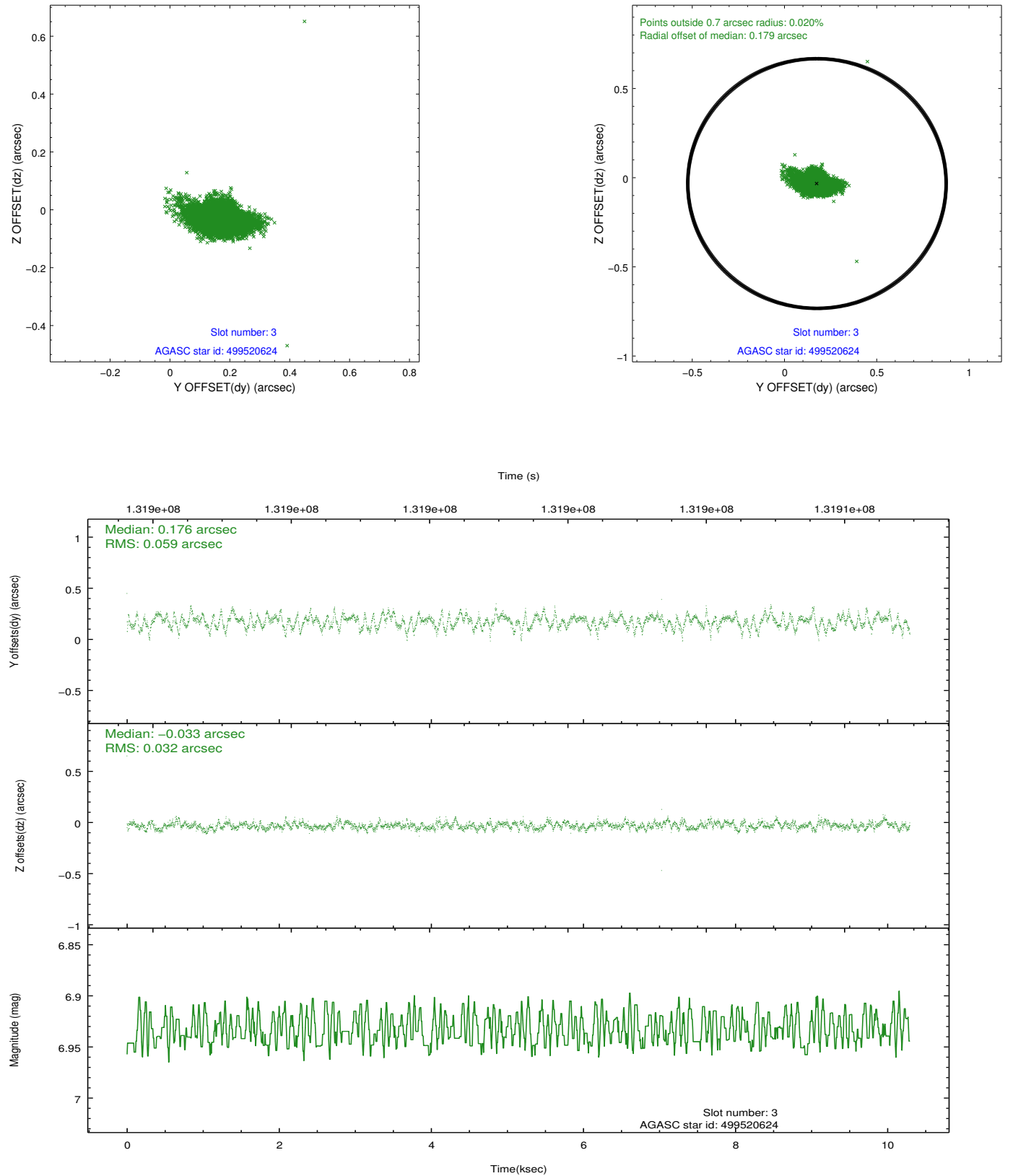


Slot Statistics

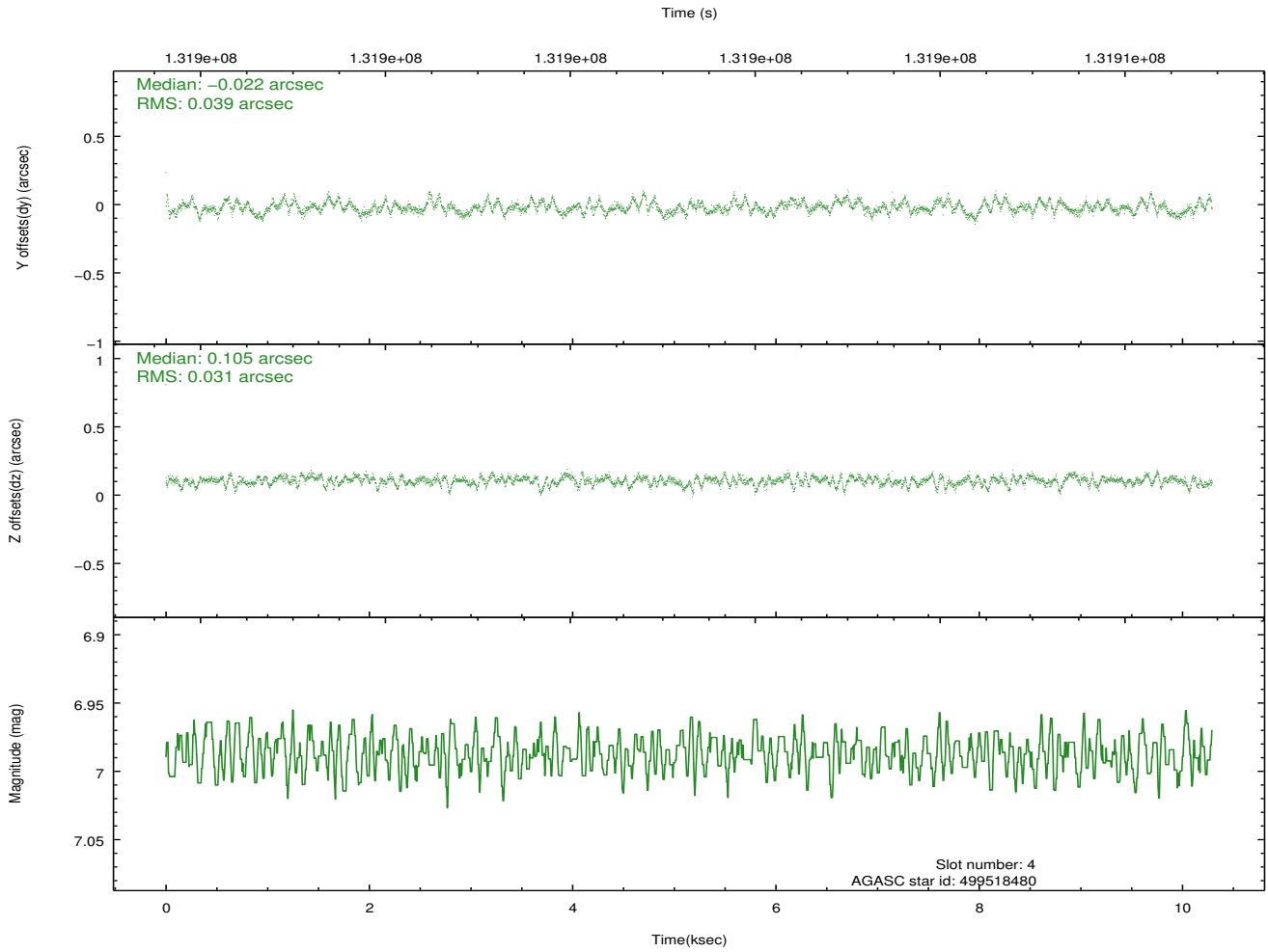
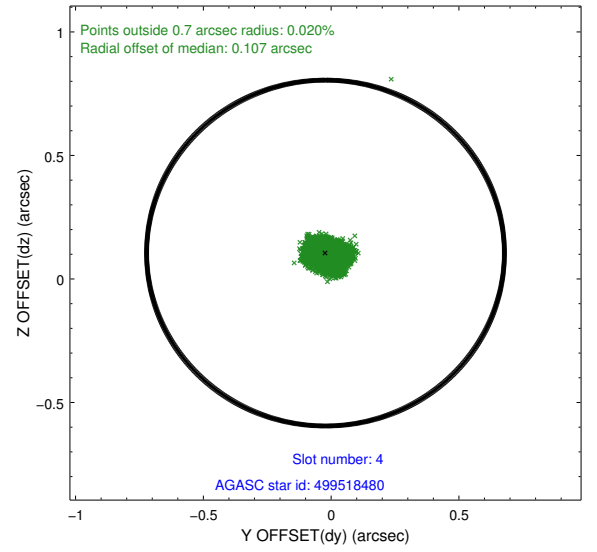
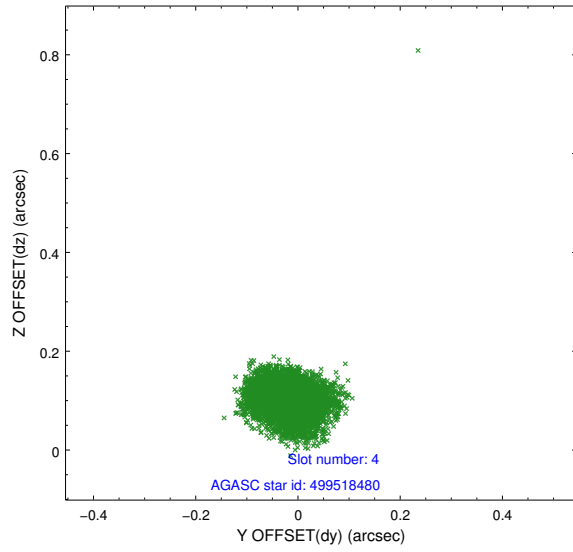
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2512	-0.012	0.006	0.008	0.013	0.000000	0.000000	-755.60	-1728.34
1	FID	ACIS-S-4	7.20	2511	-0.037	0.004	0.006	0.010	0.000000	0.000000	2157.42	179.62
2	FID	ACIS-S-5	7.24	2511	0.019	-0.002	0.008	0.013	0.000000	0.000000	-1807.76	173.86
3	GUIDE	499520624	6.93	5021	0.176	-0.033	0.068	0.119	136.679758	59.344523	2444.82	-1768.45
4	GUIDE	499518480	6.99	5023	-0.022	0.105	0.052	0.084	137.455932	59.153876	1696.93	-371.60
5	GUIDE	499656312	7.47	5023	-0.060	0.044	0.054	0.087	138.115396	58.711541	1625.37	1636.73
6	GUIDE	499527056	8.52	5022	0.200	-0.070	0.056	0.091	137.606081	59.254645	1260.07	-503.54
7	GUIDE	541995512	9.38	5020	-0.290	-0.043	0.097	0.154	138.539479	60.198666	-2086.68	-2298.68

2.4 Star Slots

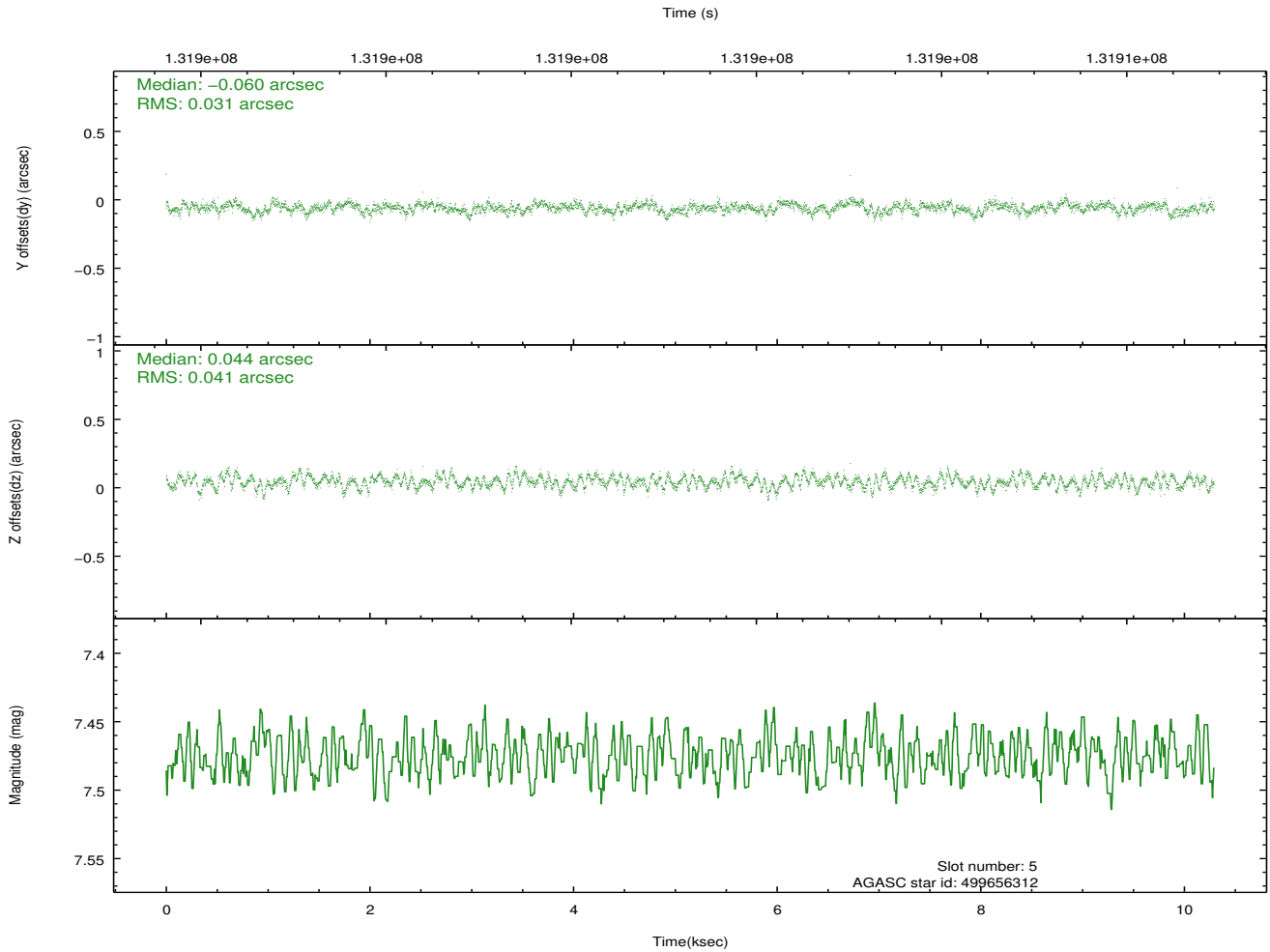
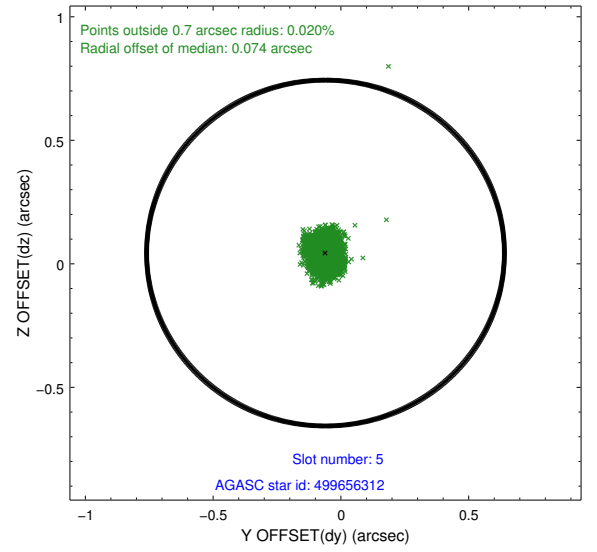
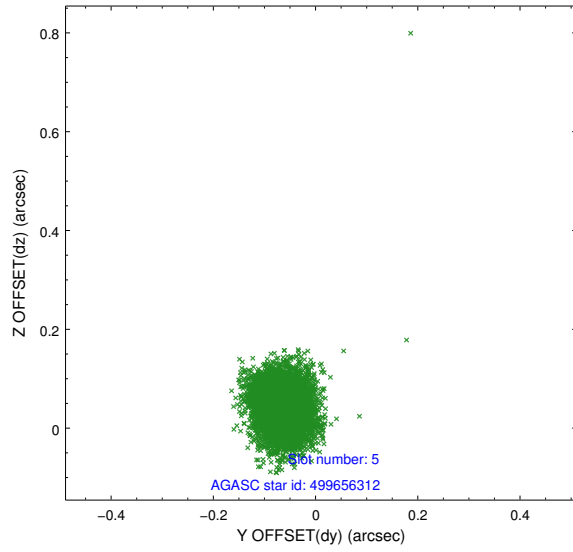
2.4.1 Slot 3



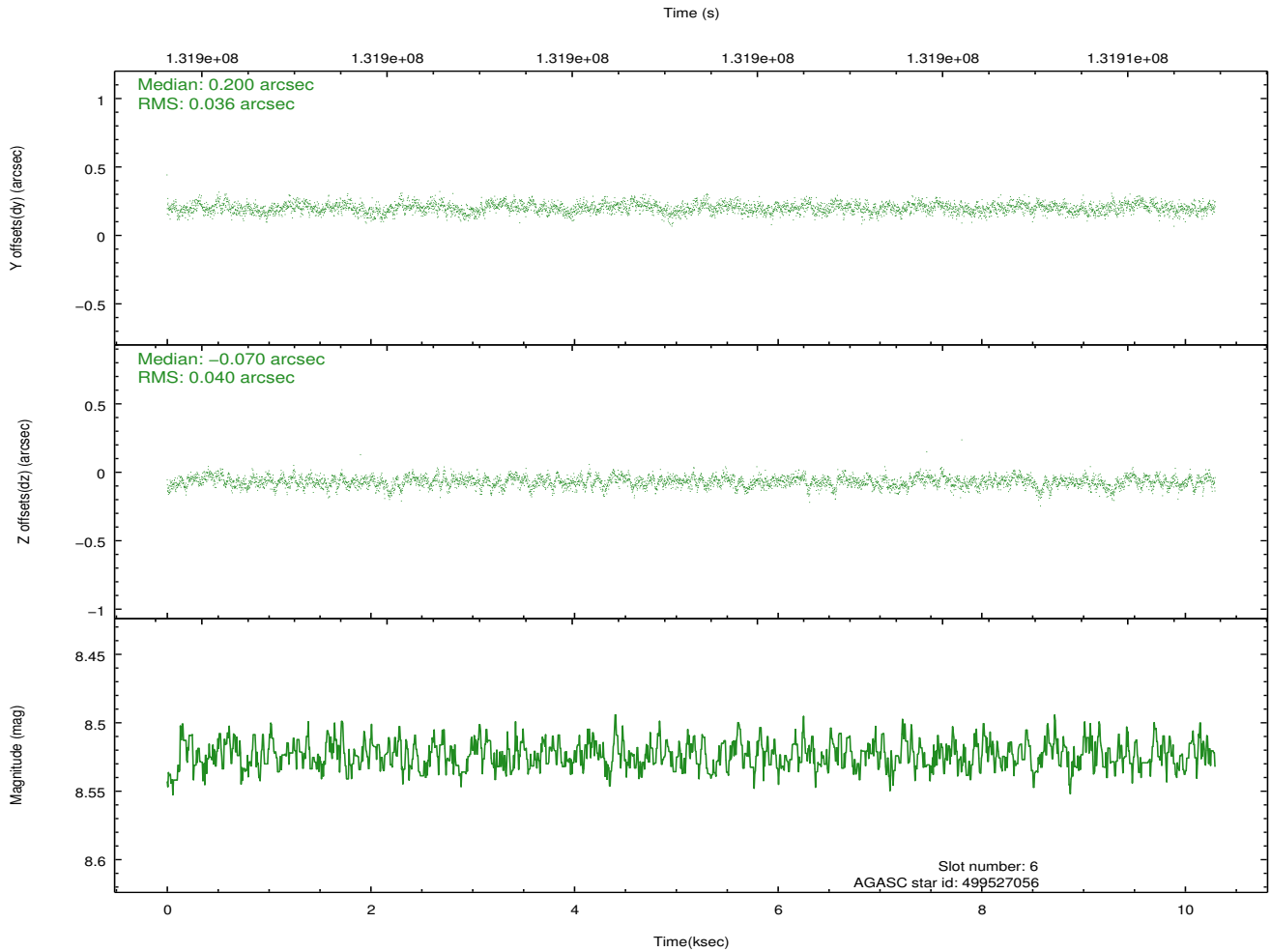
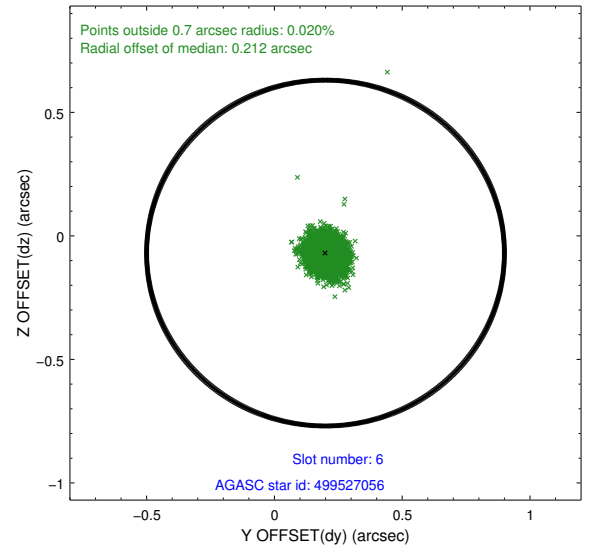
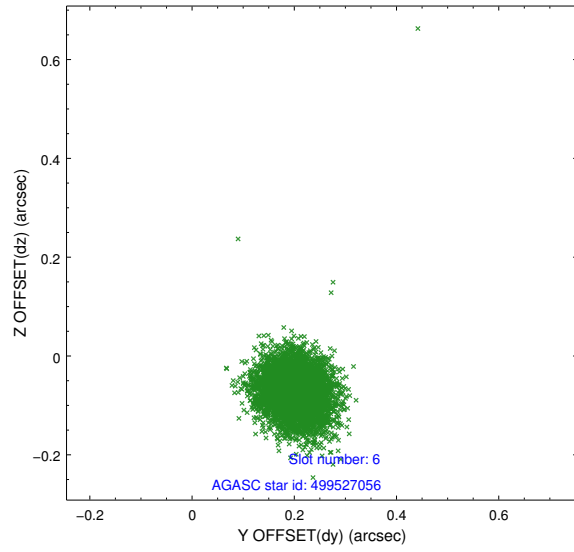
2.4.2 Slot 4



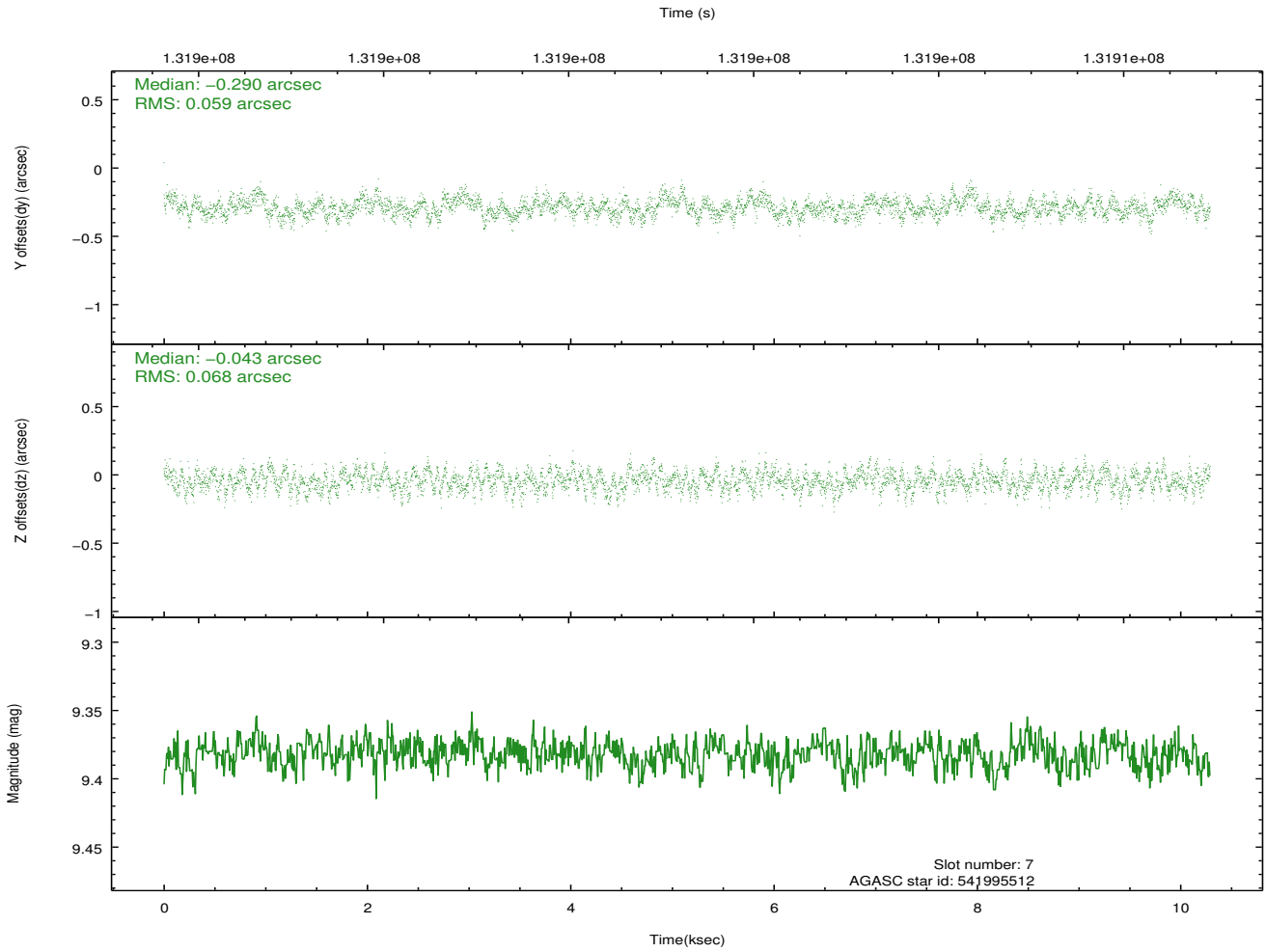
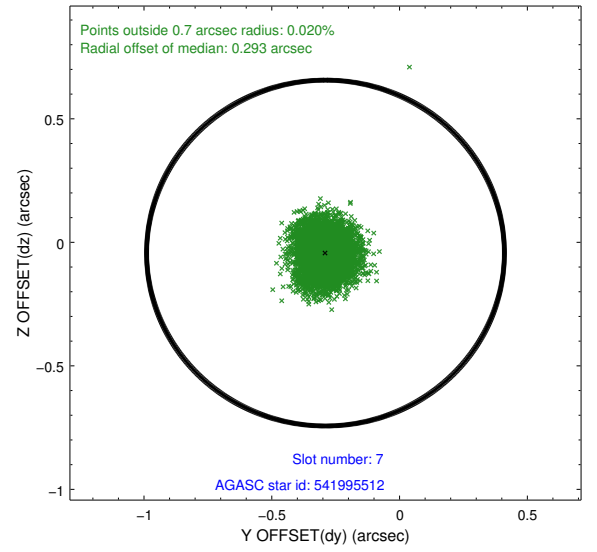
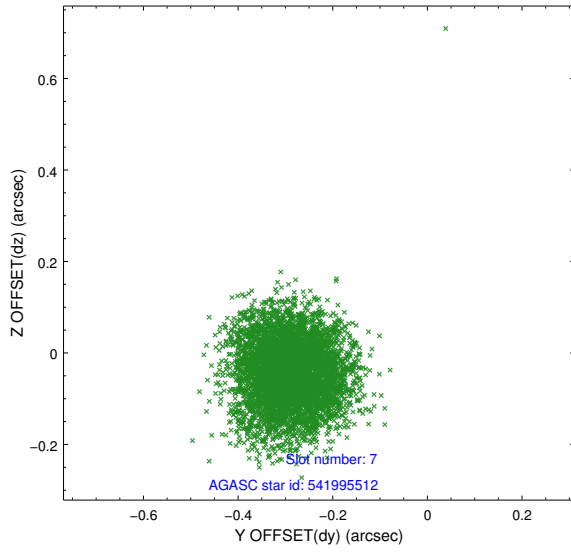
2.4.3 Slot 5



2.4.4 Slot 6

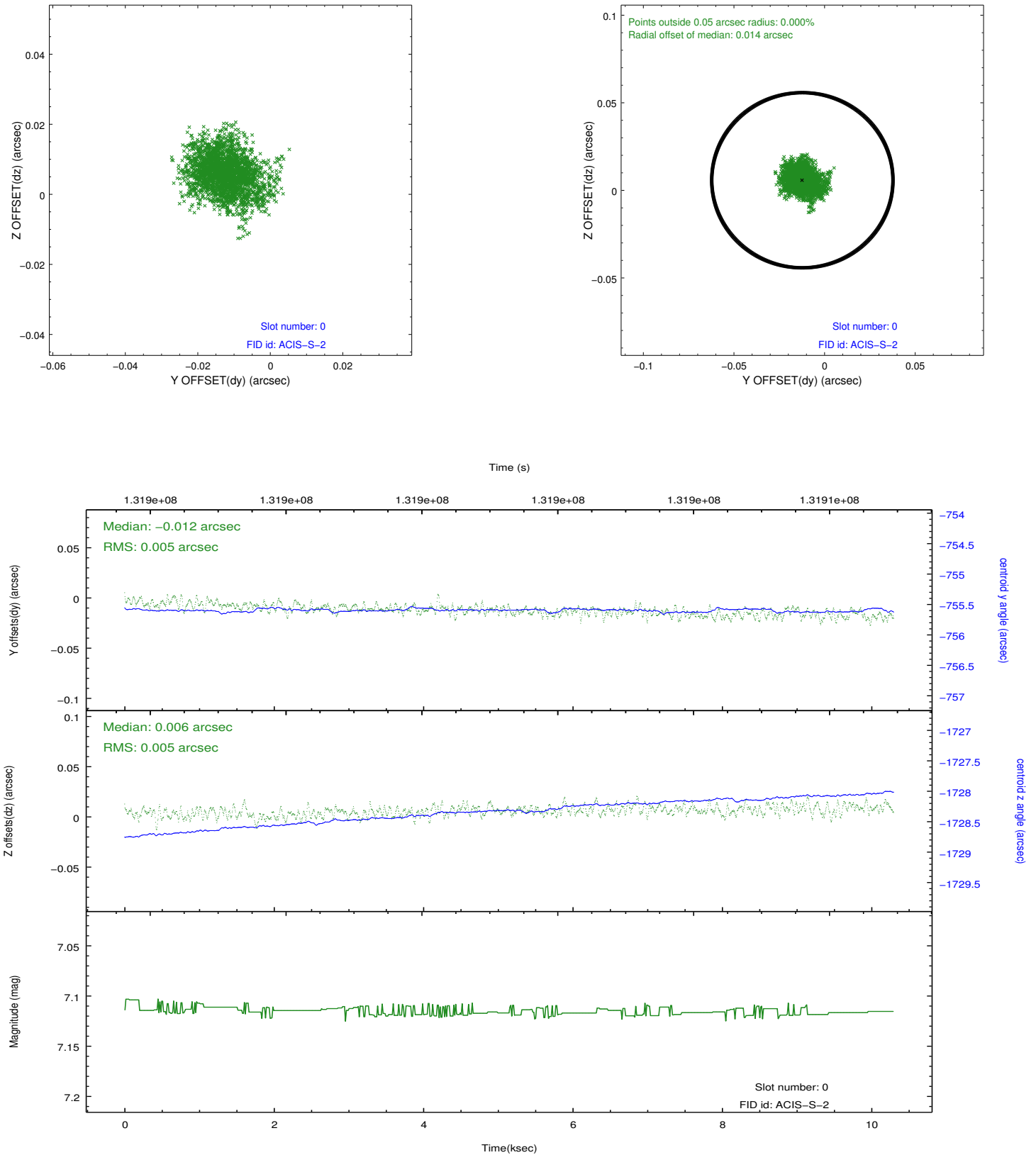


2.4.5 Slot 7

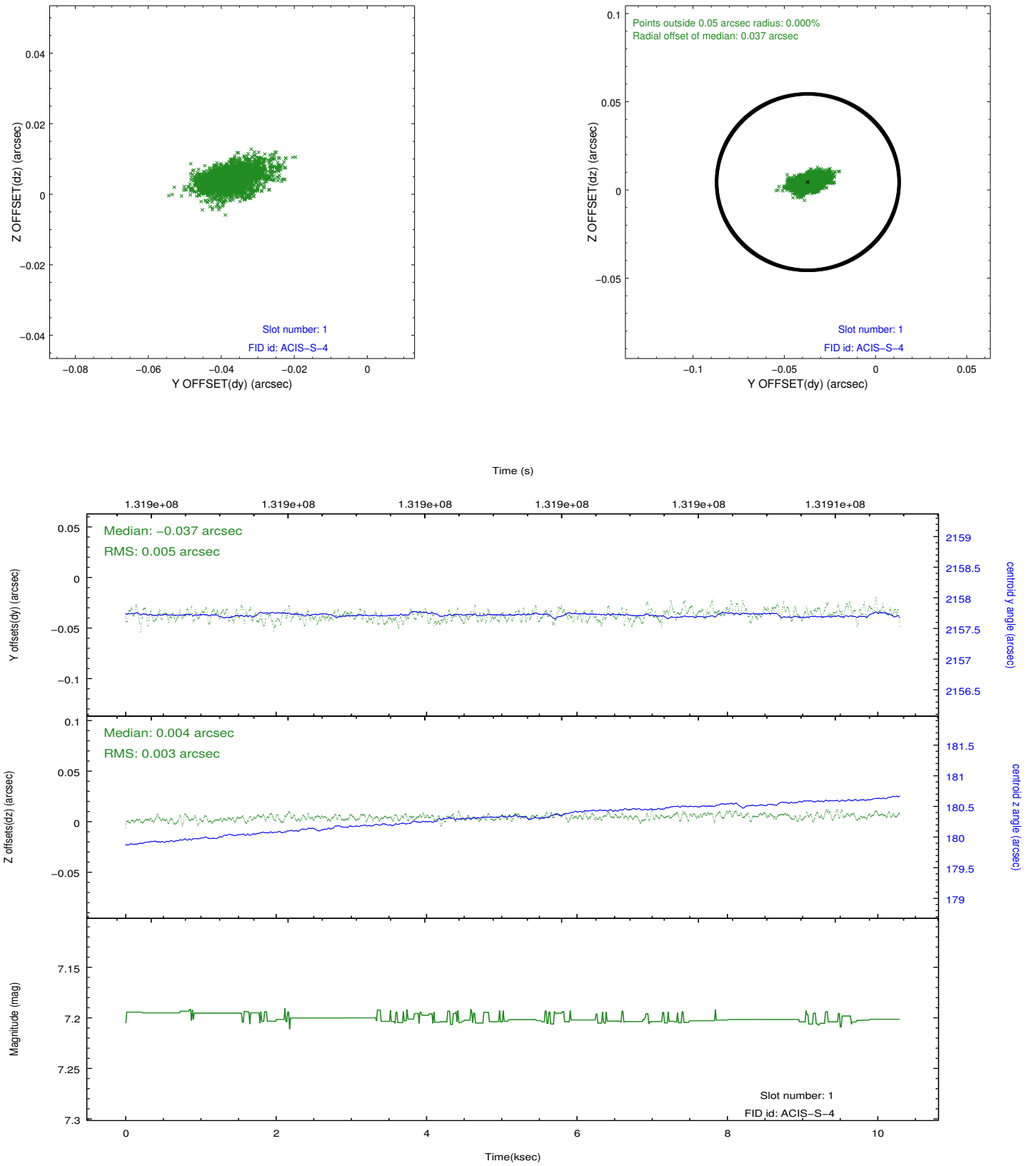


2.5 FID Slots

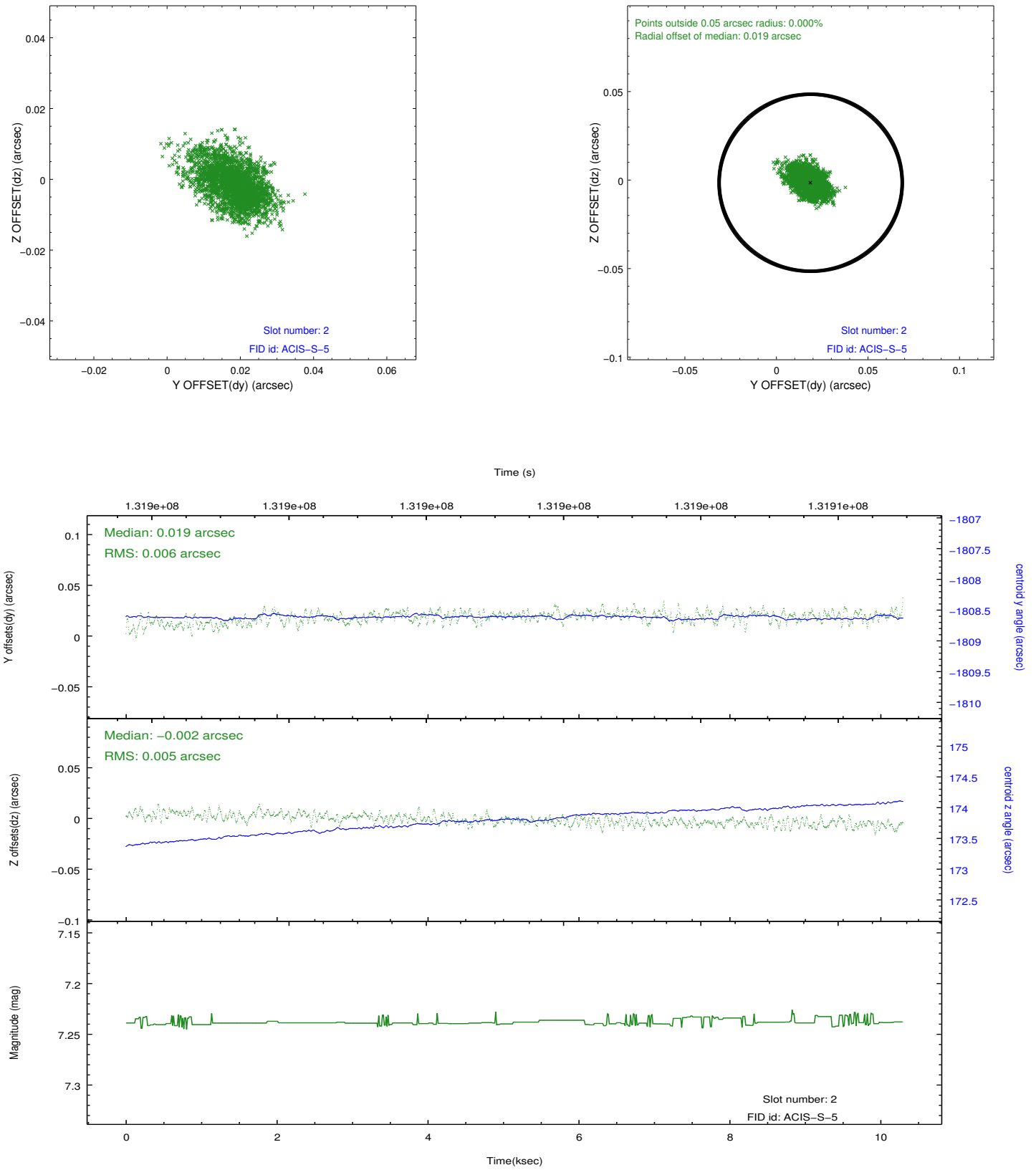
2.5.1 Slot 0



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)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.961

A.2 Comments