

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7515 - L2 Version 2
Chandra X-Ray Center

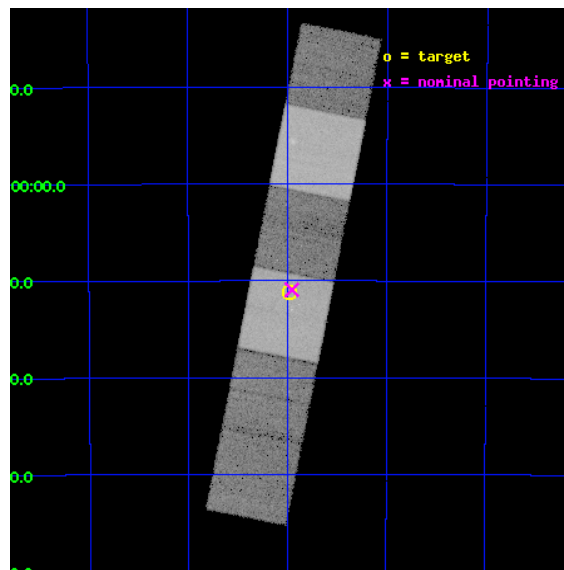
L2 Processing Date : May 8 2012

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1 Front

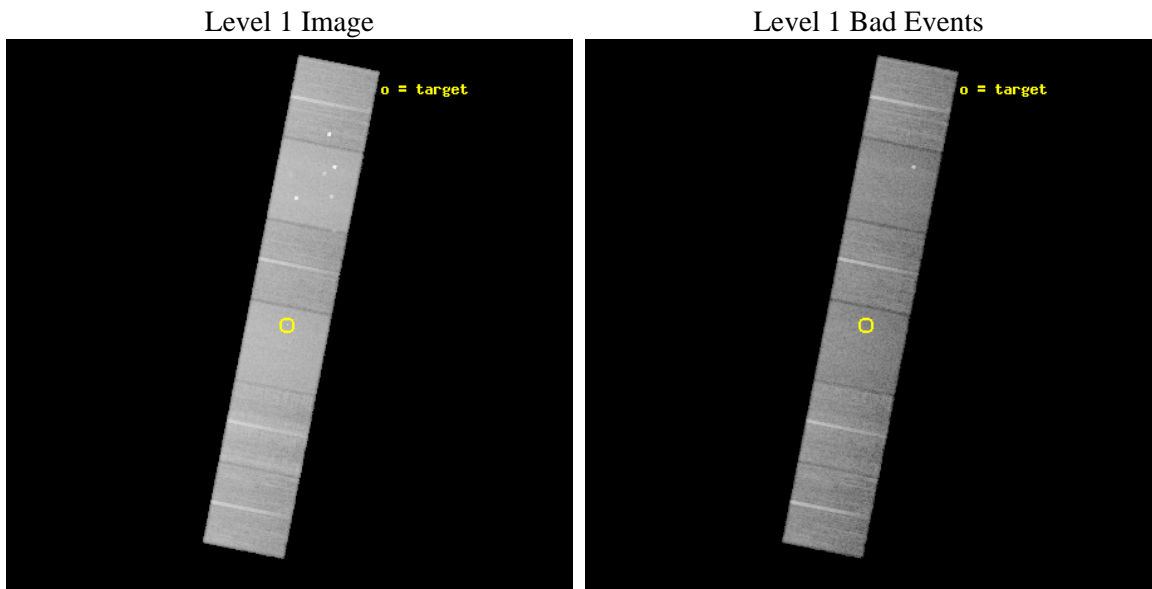
seq_num	400625	Sequence number
obs_id	7515	Observation id
title	From Super-Eddington to zero: following a Z source into quiescence	
observer	Dr Jeroen Homan	Principal investigator
object	XTE J1701-462	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.243583	Observer's specified target RA [deg]
dec_targ	-46.185723	Observer's specified target Dec [deg]
ra_nom	255.23881409798	Nominal RA [deg]
dec_nom	-46.18216851253	Nominal Dec [deg]
roll_nom	101.21925484512	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20169.599924922	Sum of GTIs [s]
livetime	19914.200305998	Livetime [s]
ontime4	20169.599924922	Sum of GTIs [s]
ontime5	20169.599924922	Sum of GTIs [s]
ontime6	20169.599924922	Sum of GTIs [s]
ontime7	20169.599924922	Sum of GTIs [s]
ontime8	20169.599924922	Sum of GTIs [s]
ontime9	20169.599924922	Sum of GTIs [s]
l2events	338542	Number of level 2 events



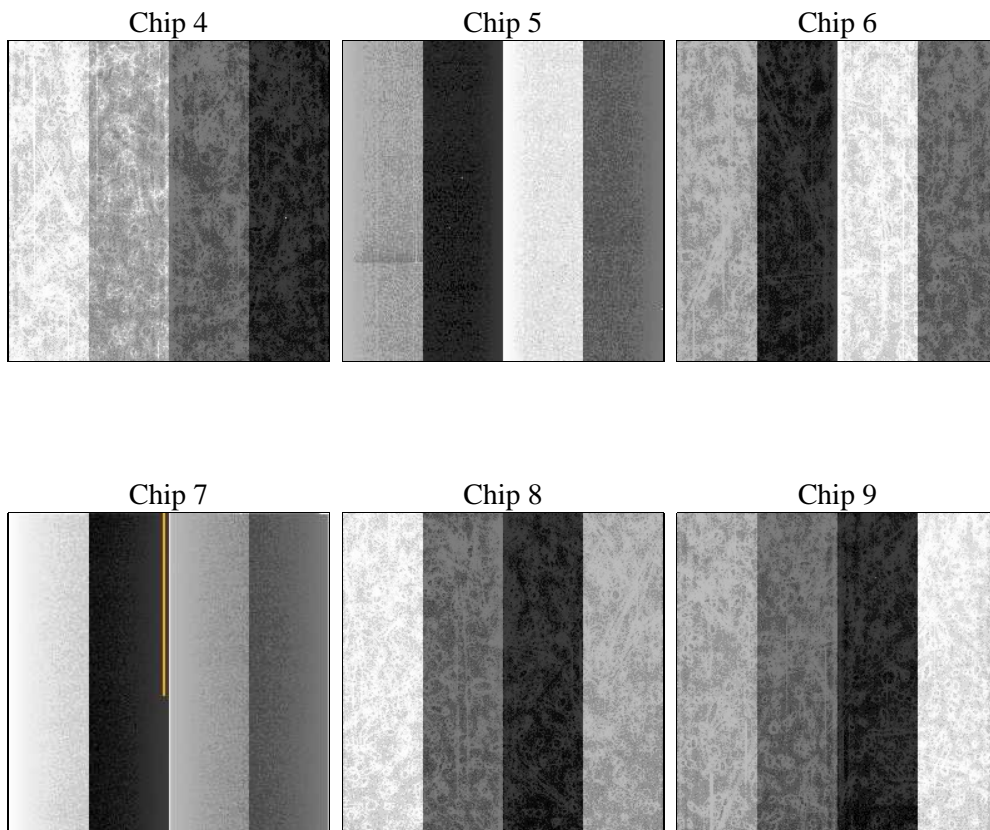
2 OBI

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	8.4.4	Processing system revision	ontime	20169.599924922	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	20169.599924922	Sum of GTIs [s]
date	2012-05-08T16:19:58	Date and time of file creation	ontime5	20169.599924922	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	20169.599924922	Sum of GTIs [s]
			ontime7	20169.599924922	Sum of GTIs [s]
			ontime8	20169.599924922	Sum of GTIs [s]
			ontime9	20169.599924922	Sum of GTIs [s]
			l1events	1550037	Number of level 1 events

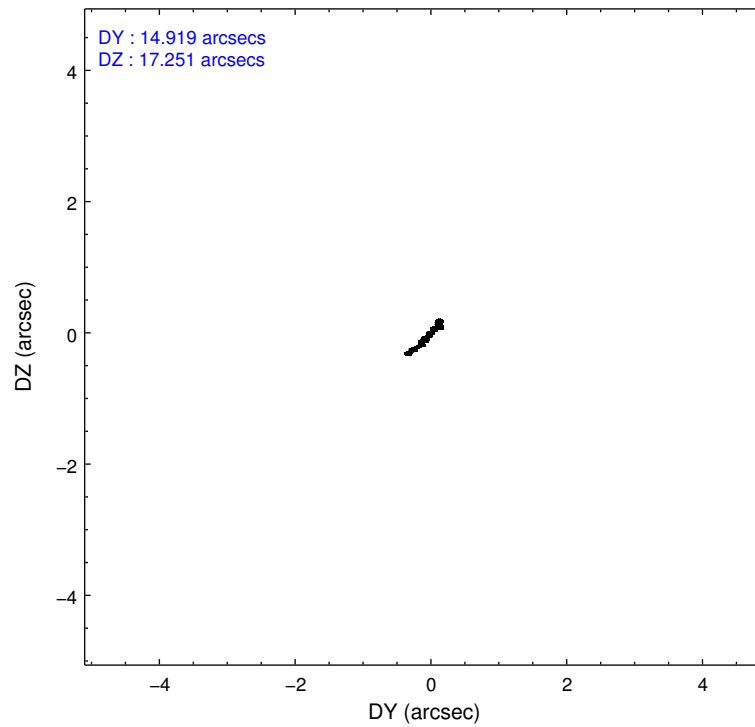
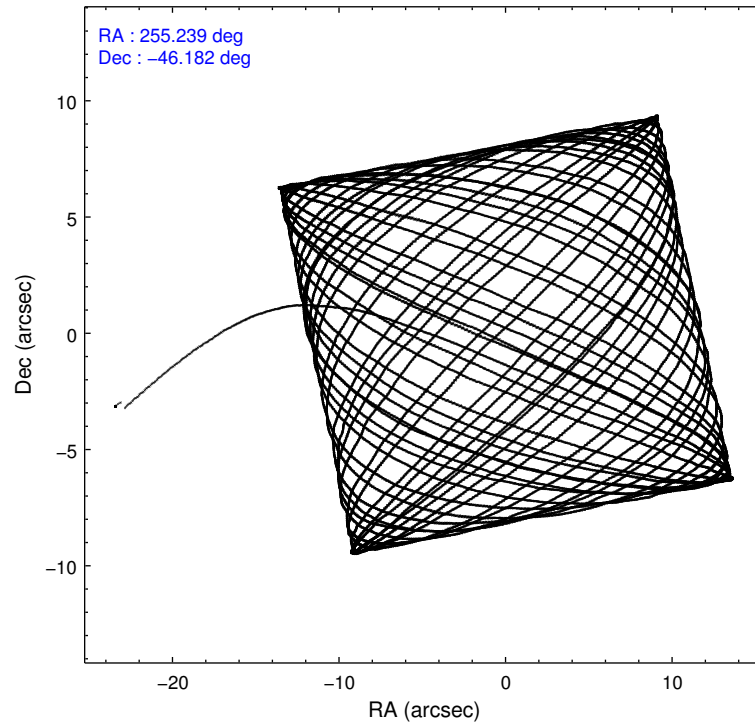
2.1.4 Events

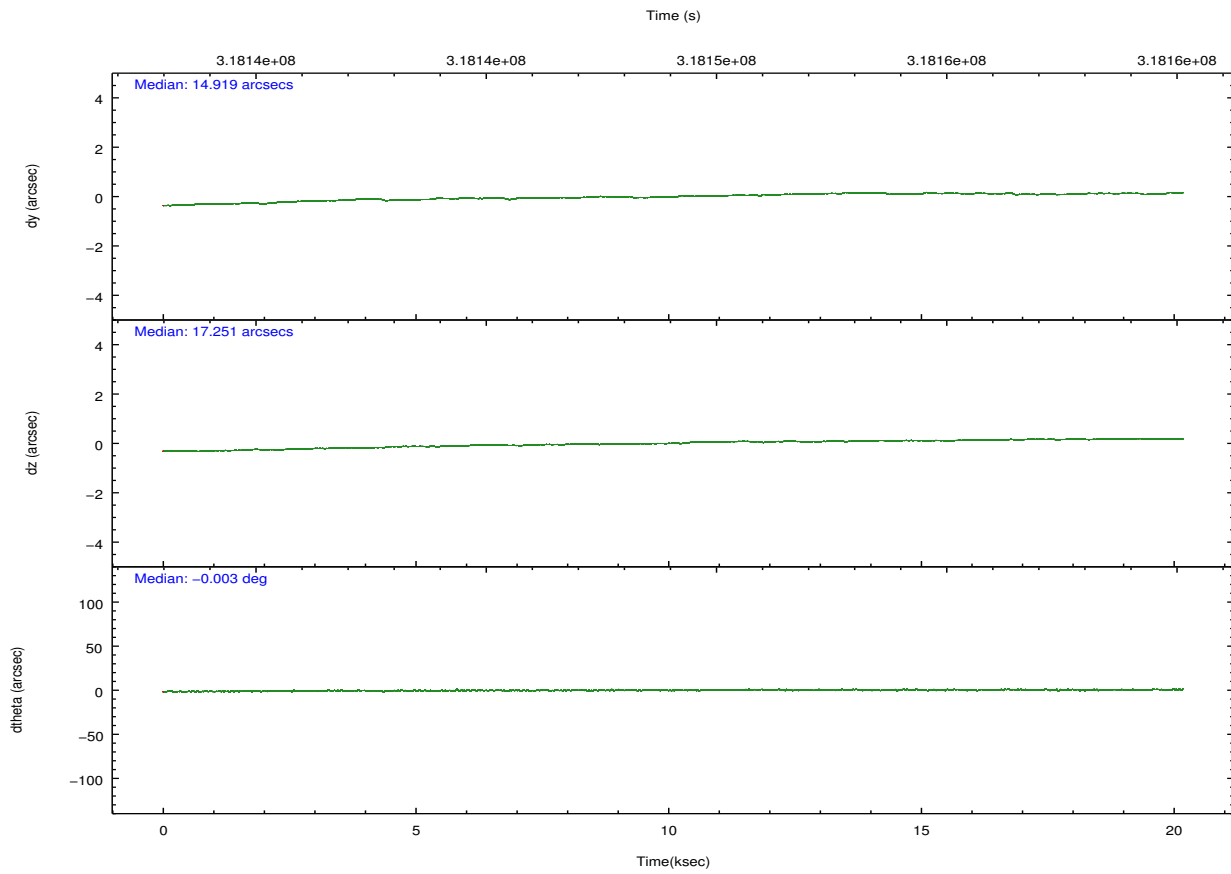
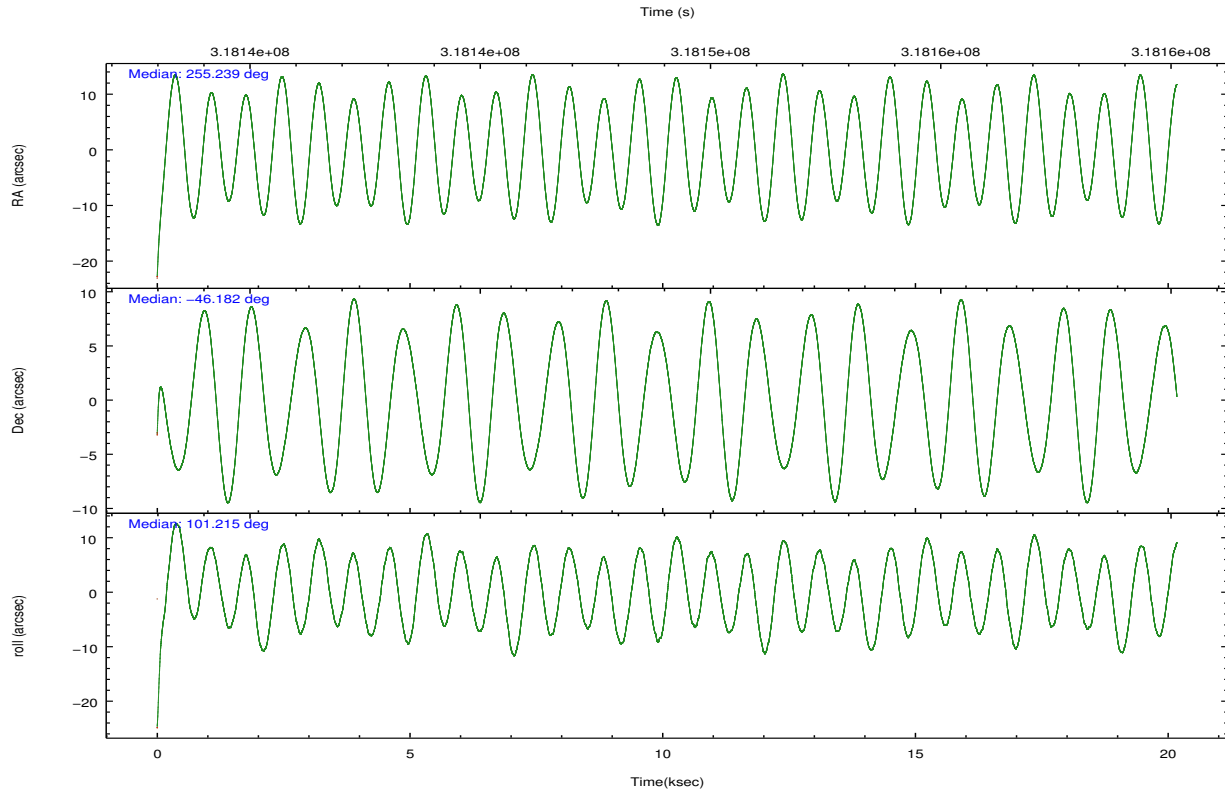
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	241681	326097	209956	290092	269614	212597	grade 0 events	17162	16087	10034	10571	19129	10978
rejected events	210803	179247	185504	172997	211342	187265		7%	4%	4%	3%	7%	5%
rejected %	87%	54%	88%	59%	78%	88%	grade 1 events	247	462	110	296	201	124
								0%	0%	0%	0%	0%	0%
							grade 2 events	5701	46487	5556	24992	13637	5150
								2%	14%	2%	8%	5%	2%
							grade 3 events	2633	5760	2426	10269	6600	2547
								1%	1%	1%	3%	2%	1%
							grade 4 events	2578	5081	2328	10414	6024	2491
								1%	1%	1%	3%	2%	1%
							grade 5 events	9639	22874	9753	27108	13373	10537
								3%	7%	4%	9%	4%	4%
							grade 6 events	4157	79500	5146	65701	15208	5171
								1%	24%	2%	22%	5%	2%
							grade 7 events	199564	149846	174603	140741	195442	175599
								82%	45%	83%	48%	72%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	255.265248	255.2388140979804	CCD I2 on	N	N
[deg] Pointing Dec	-46.202493	-46.18216851253018	CCD I3 on	N	N
[deg] Pointing Roll	101.081713	101.2192548451206	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	318139150.184000	318137670.15411	CCD S5 on	Y	Y
Observation start date	2008-01-31T03:58:05	2008-01-31T03:34:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318159150.184000	318160113.5552	On-chip summing requested	N	N
Observation end date	2008-01-31T09:31:25	2008-01-31T09:48:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



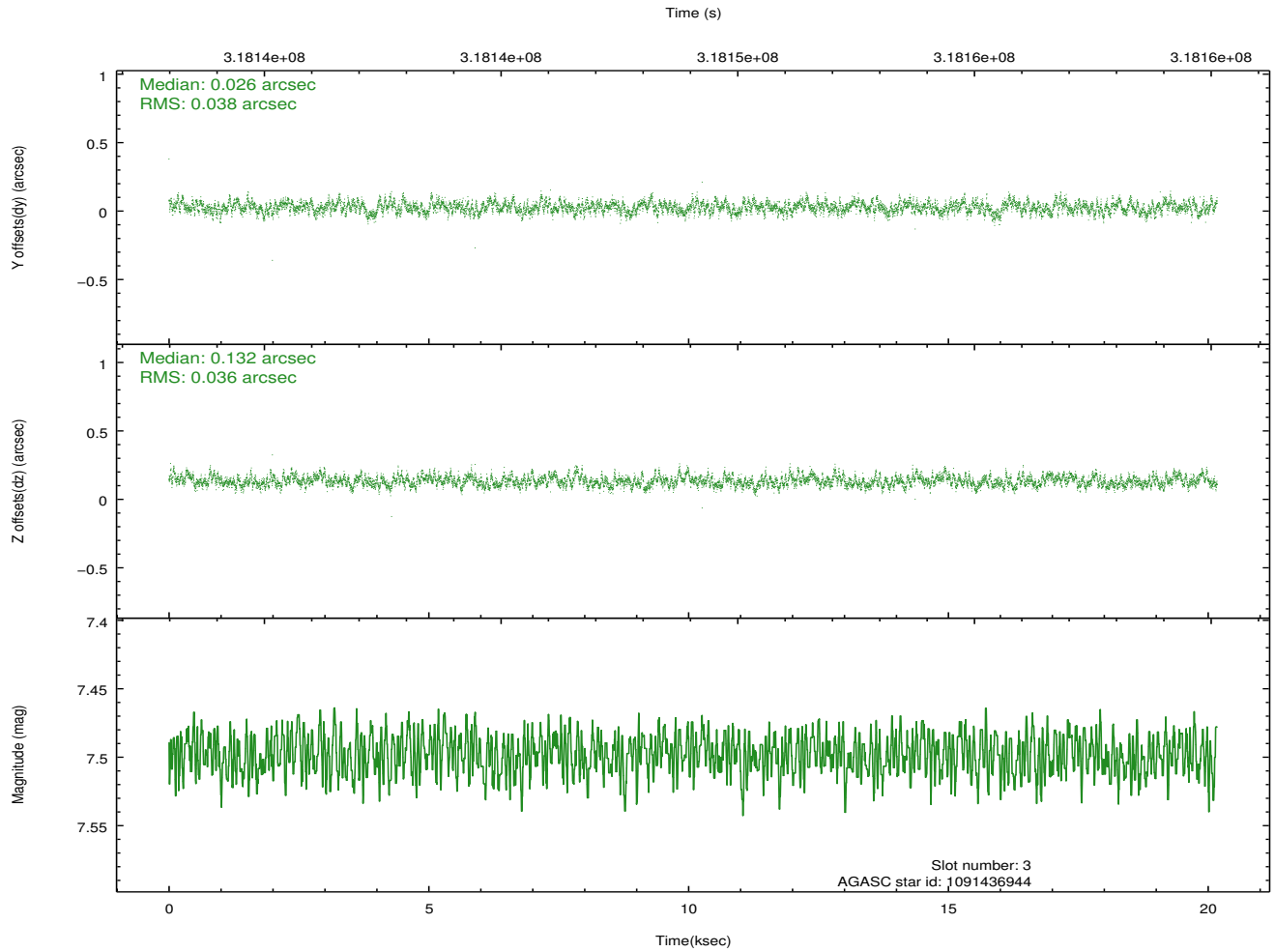
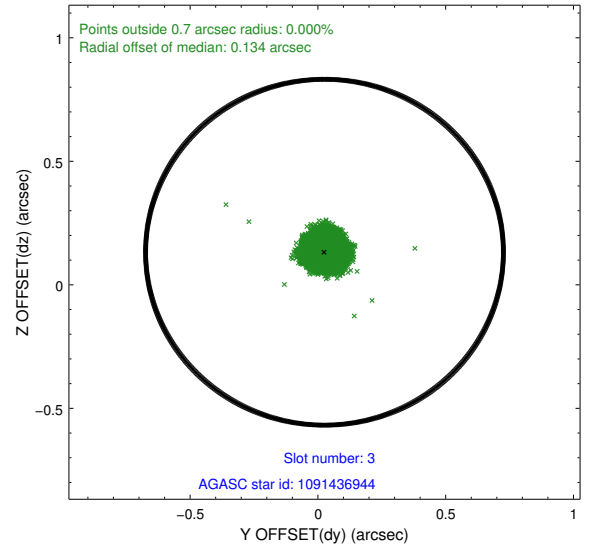
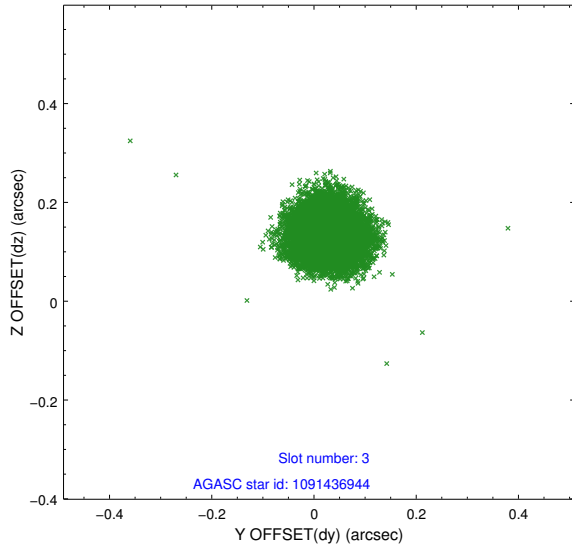


Slot Statistics

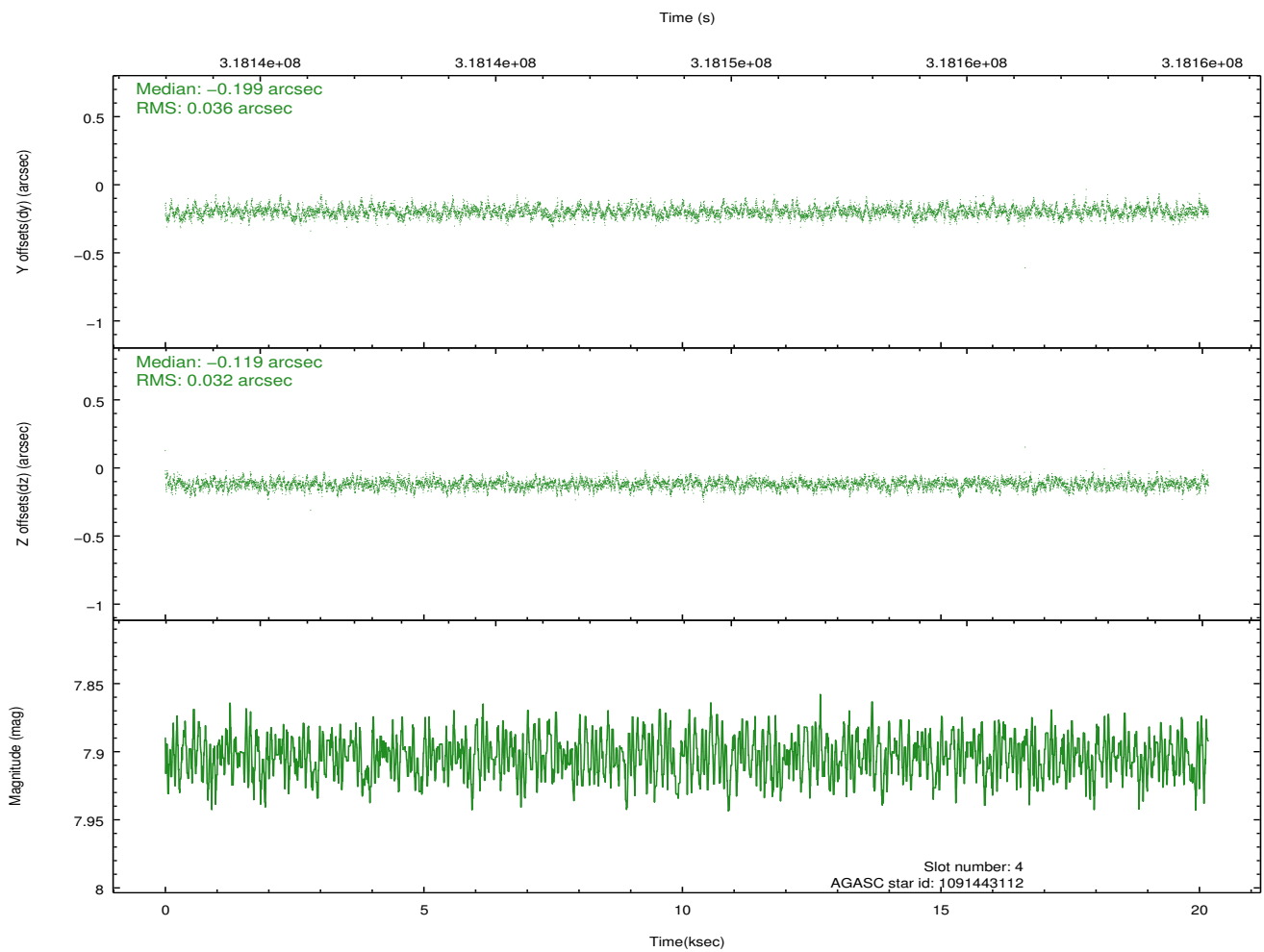
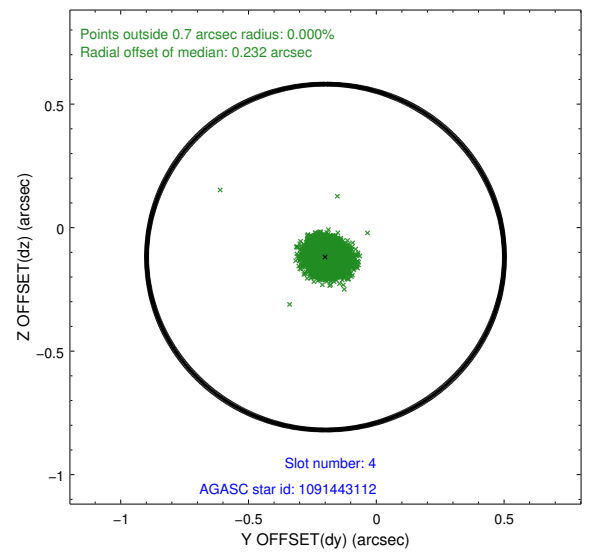
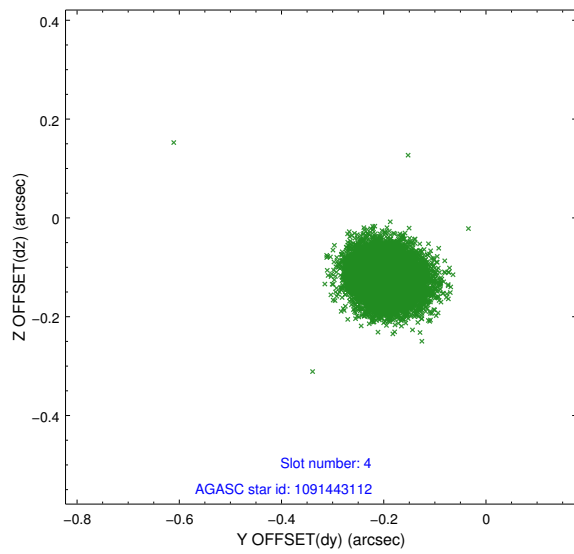
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	4921	-0.064	-0.060	0.010	0.019	0.000000	0.000000	-767.98	-1738.72
1	FID	ACIS-S-4	7.18	4922	0.177	0.047	0.006	0.011	0.000000	0.000000	2145.51	169.61
2	FID	ACIS-S-5	7.22	4922	-0.145	0.022	0.008	0.013	0.000000	0.000000	-1820.61	163.56
3	GUIDE	1091436944	7.50	9842	0.026	0.132	0.055	0.087	255.747540	-46.187588	-181.76	-1189.01
4	GUIDE	1091443112	7.90	9839	-0.199	-0.119	0.051	0.084	254.637652	-45.920353	1292.56	1348.33
5	GUIDE	1091443144	8.22	9839	-0.243	-0.149	0.053	0.087	254.556494	-45.731344	1998.95	1423.58
6	GUIDE	1091447448	8.17	9841	0.172	-0.050	0.078	0.118	254.918350	-46.482919	-826.90	1038.38
7	GUIDE	1091436872	8.96	9835	0.240	0.189	0.073	0.116	255.728542	-46.511740	-1316.14	-911.55

2.4 Star Slots

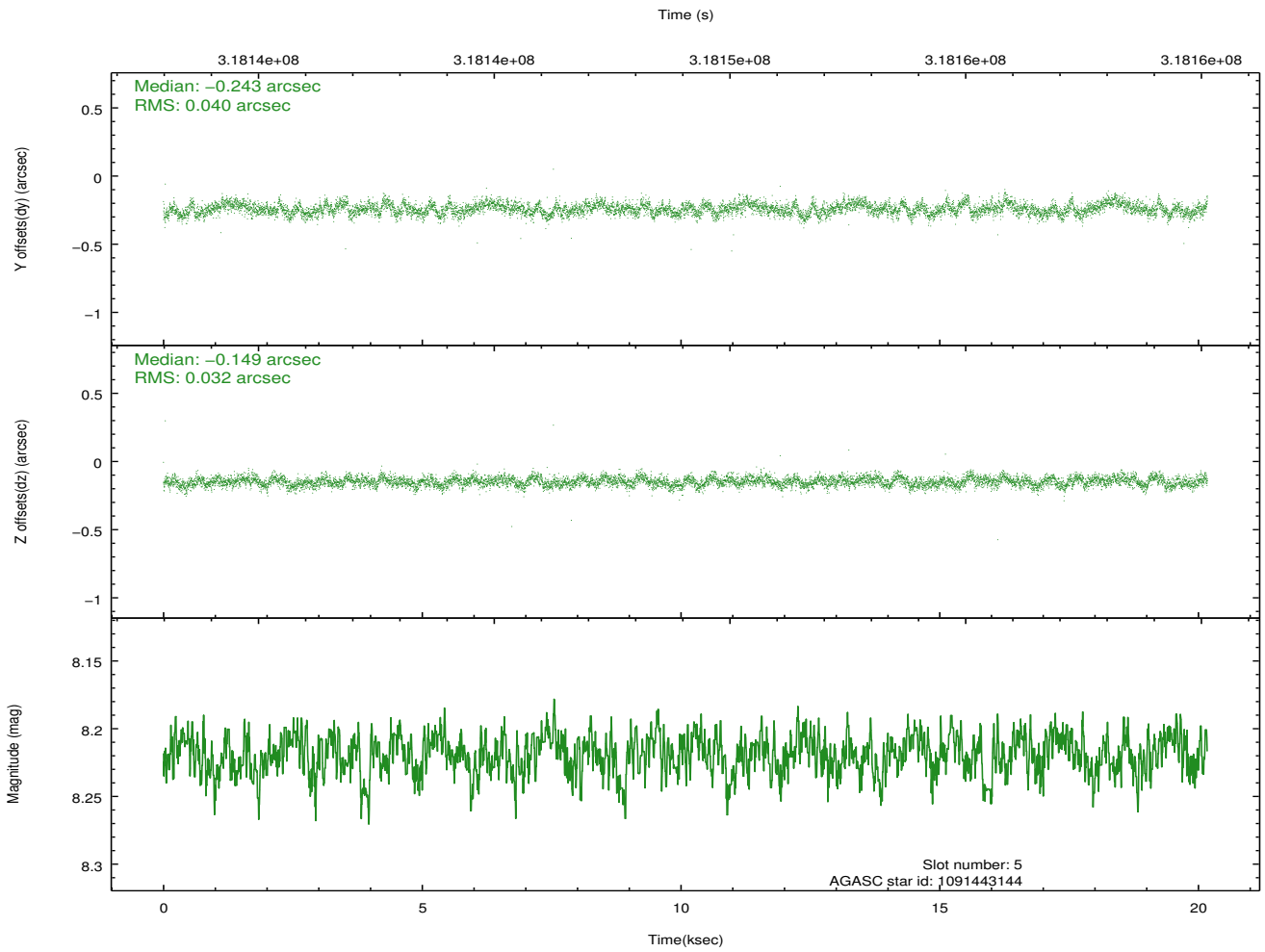
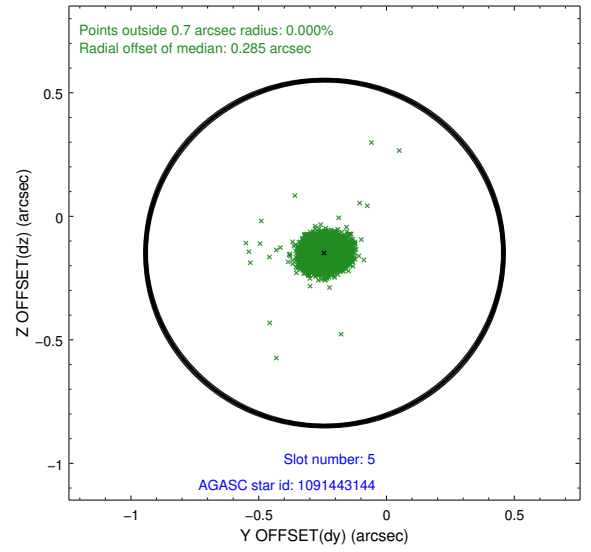
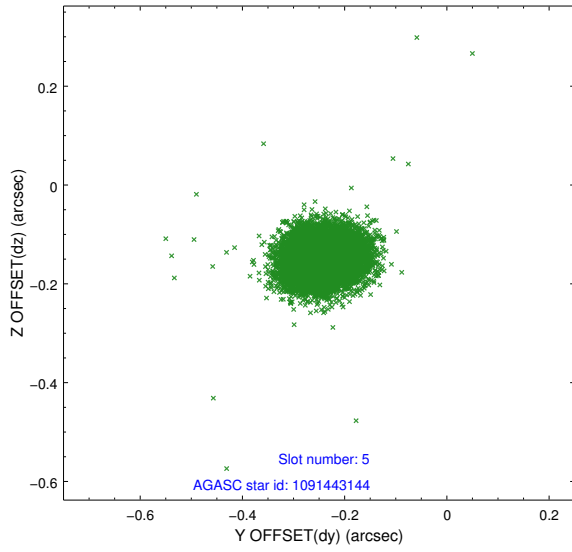
2.4.1 Slot 3



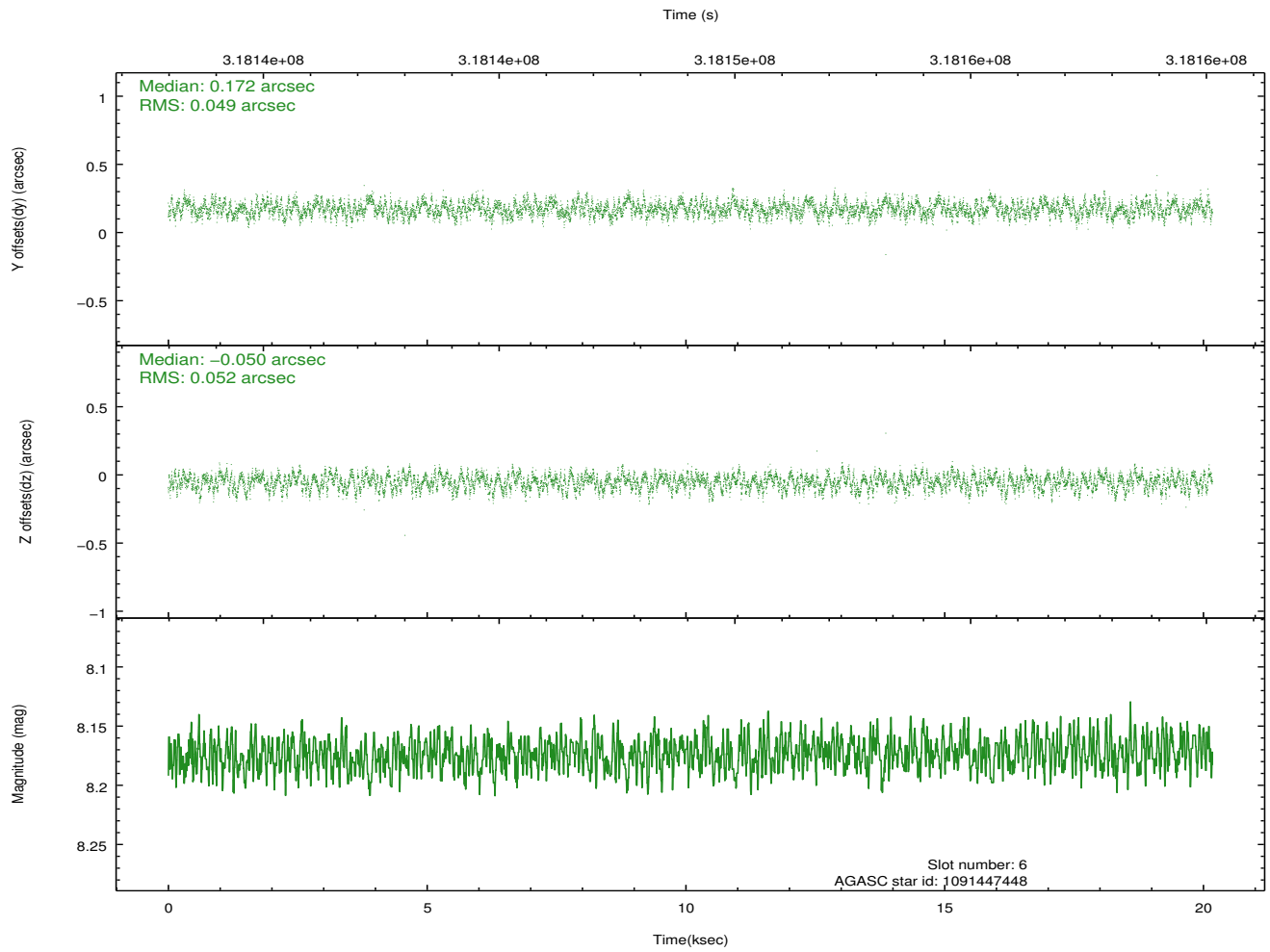
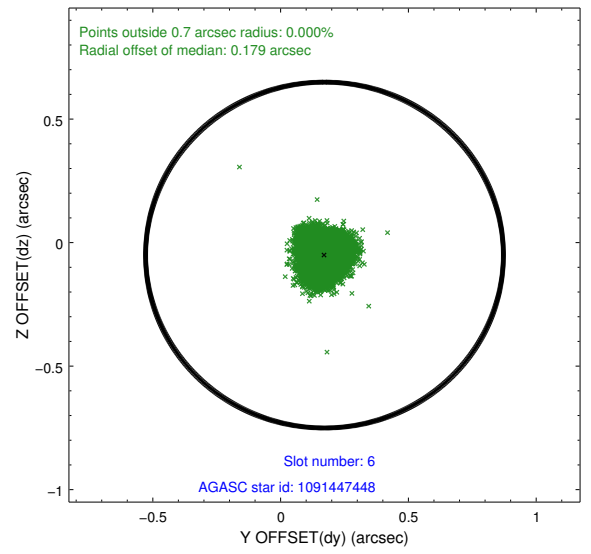
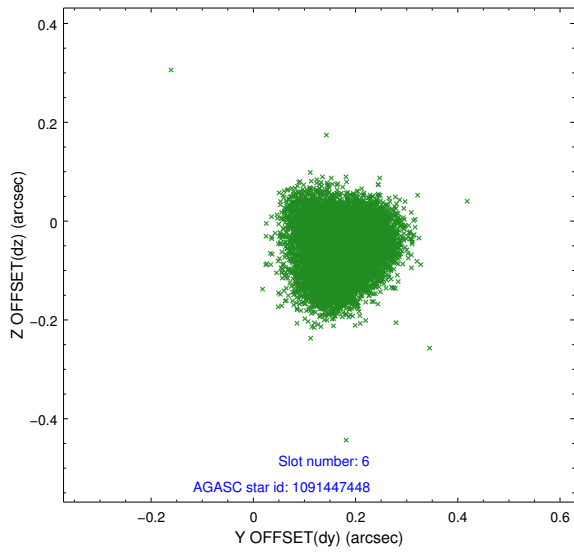
2.4.2 Slot 4



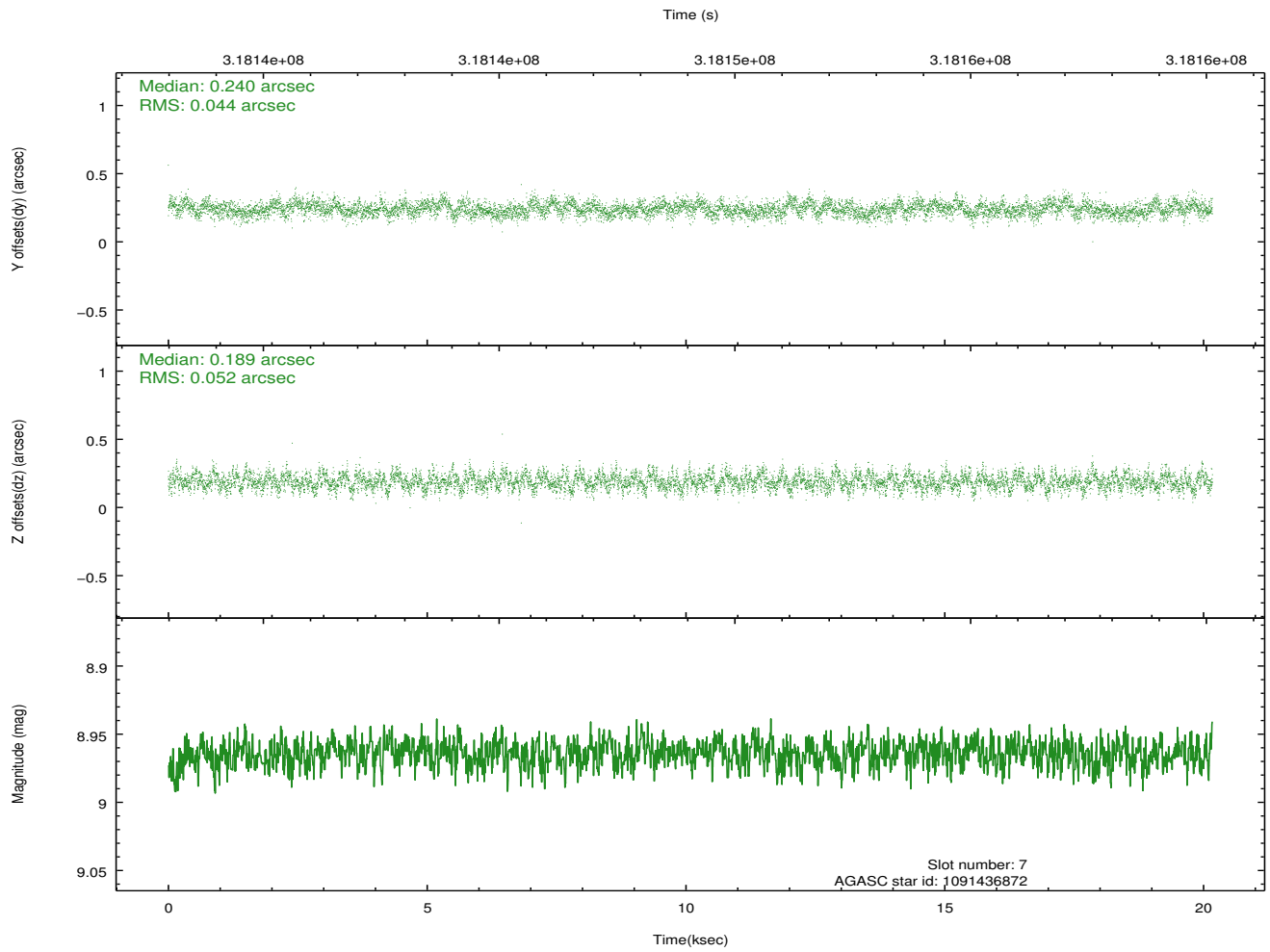
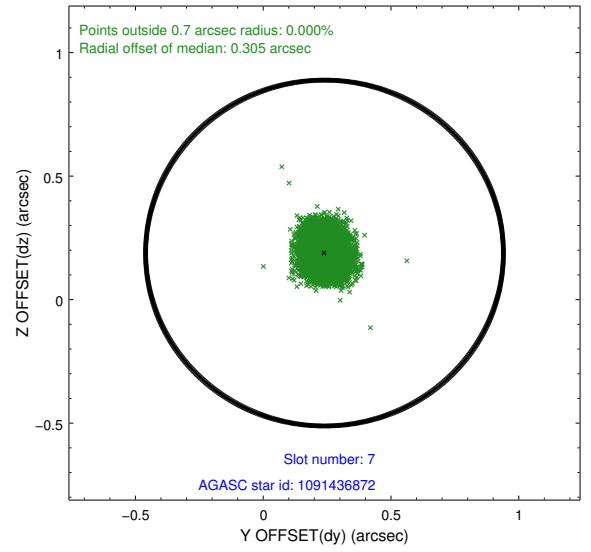
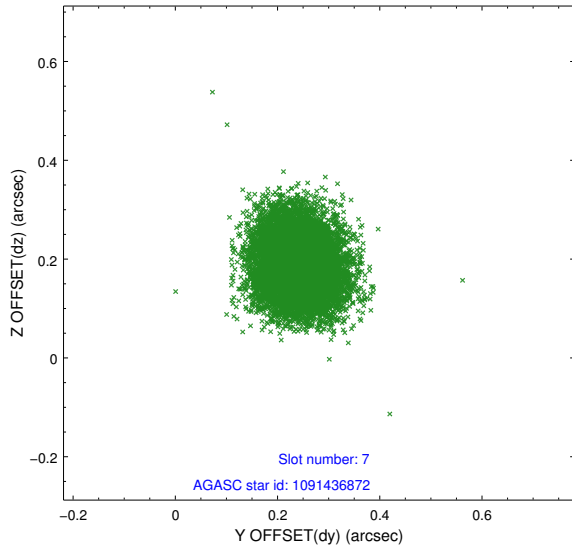
2.4.3 Slot 5



2.4.4 Slot 6

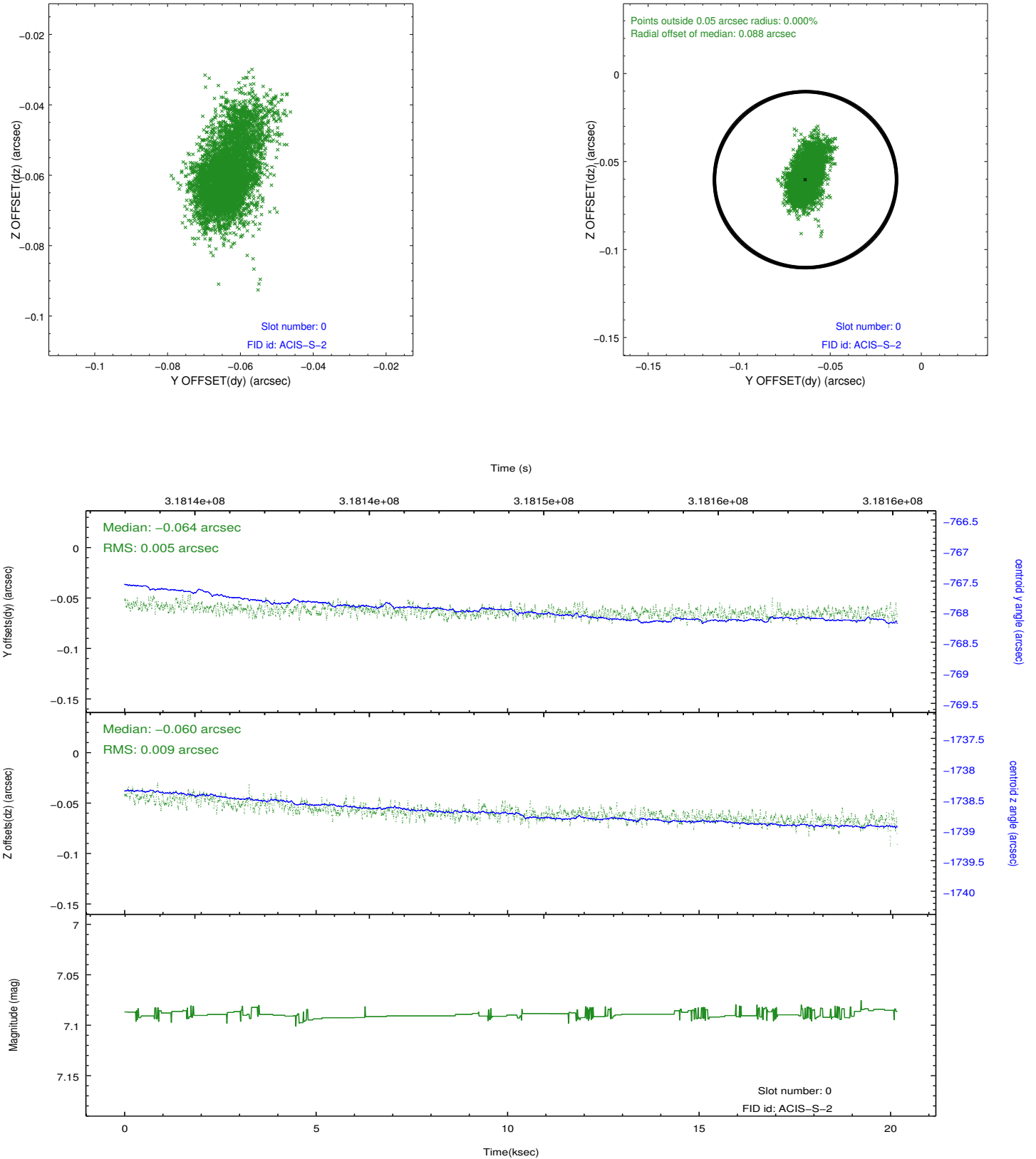


2.4.5 Slot 7

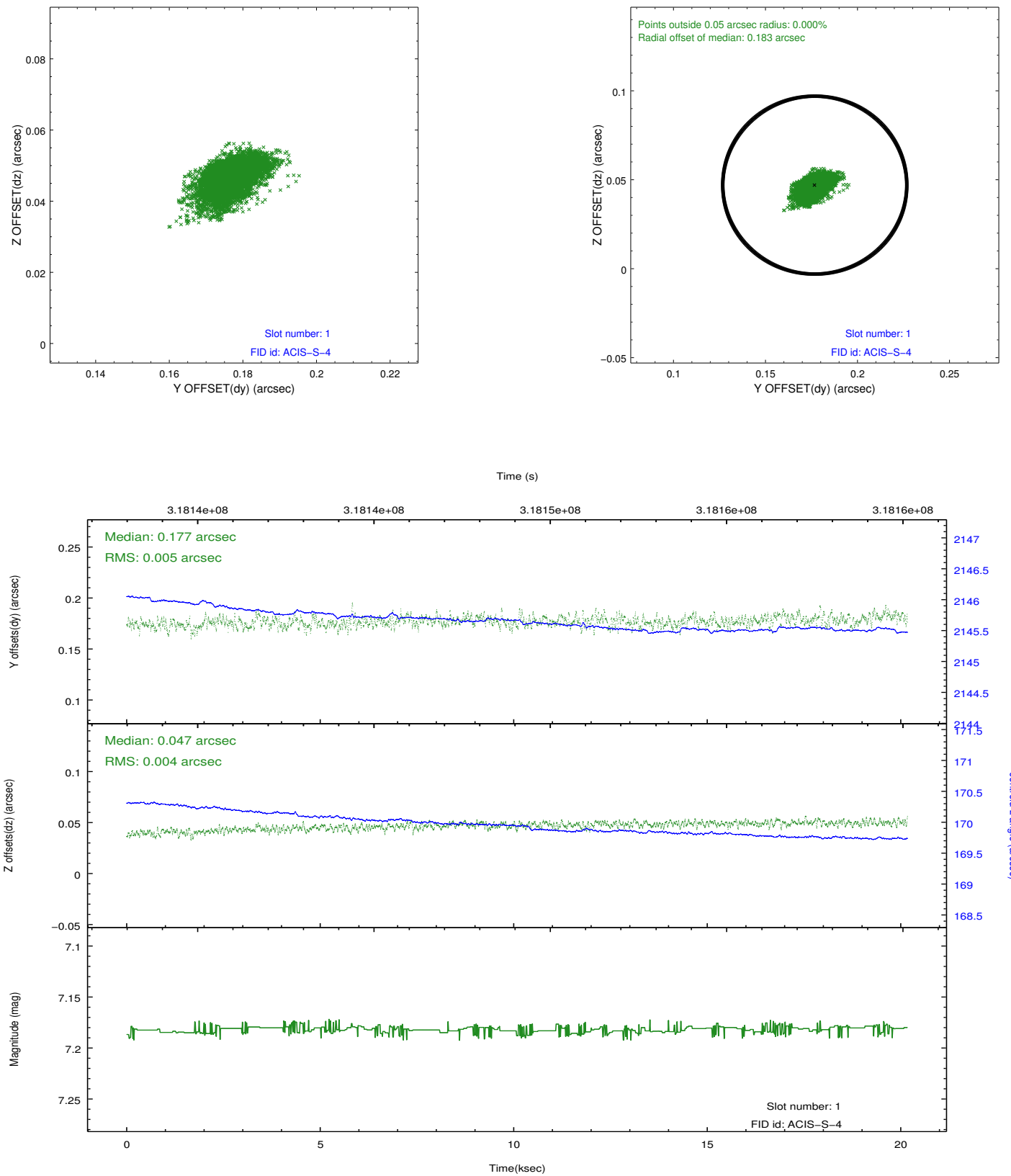


2.5 FID Slots

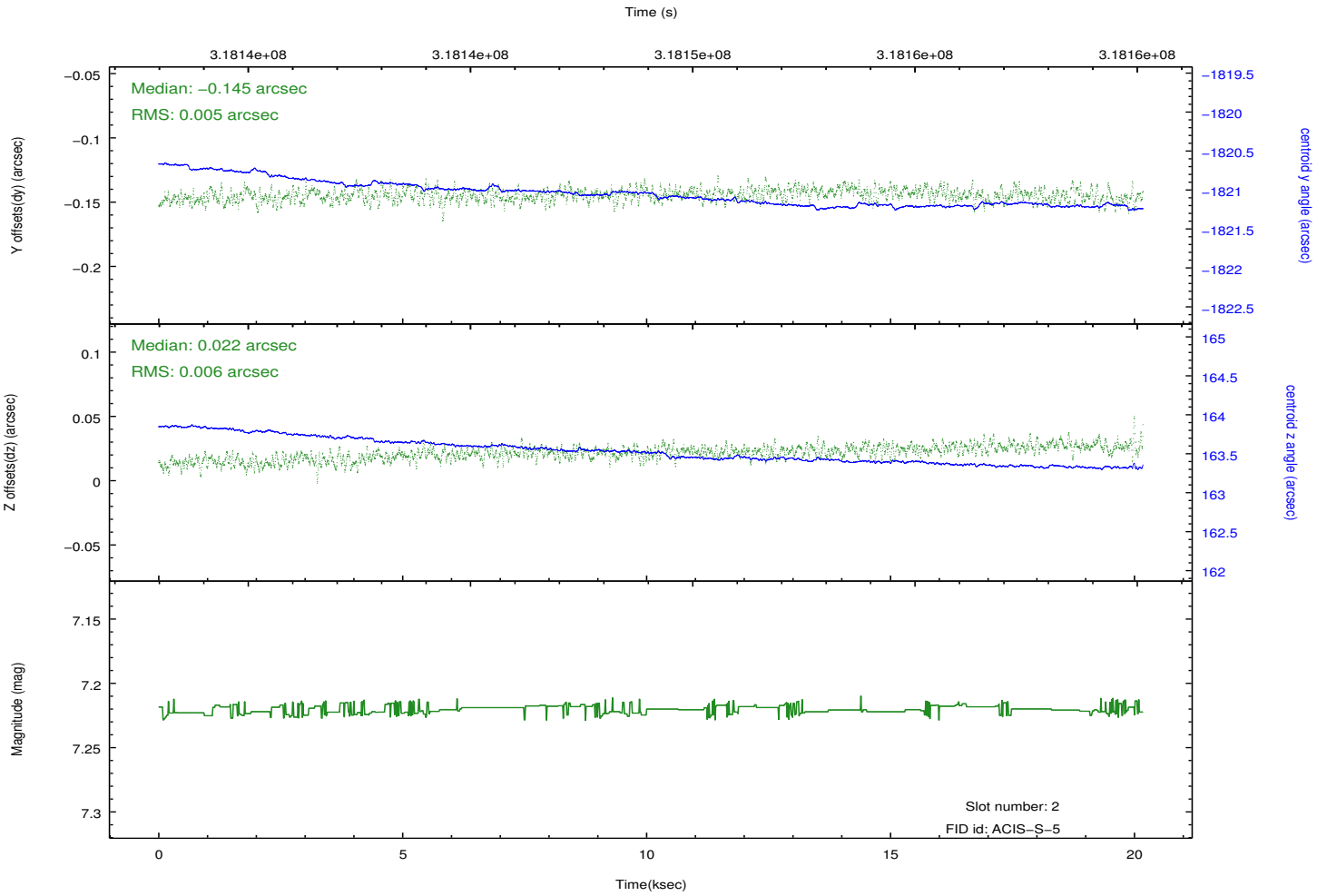
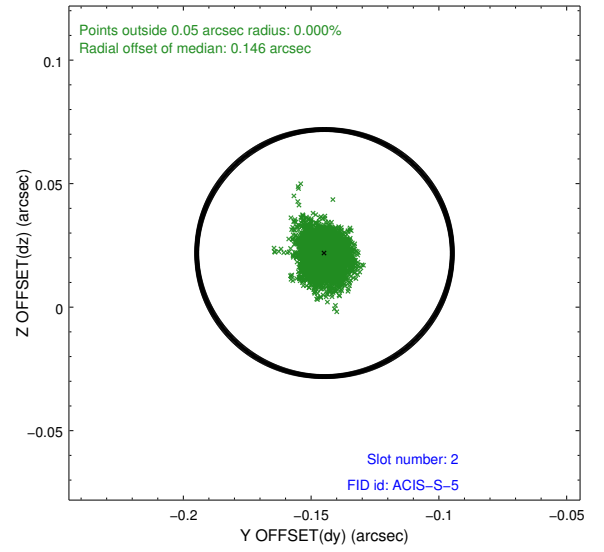
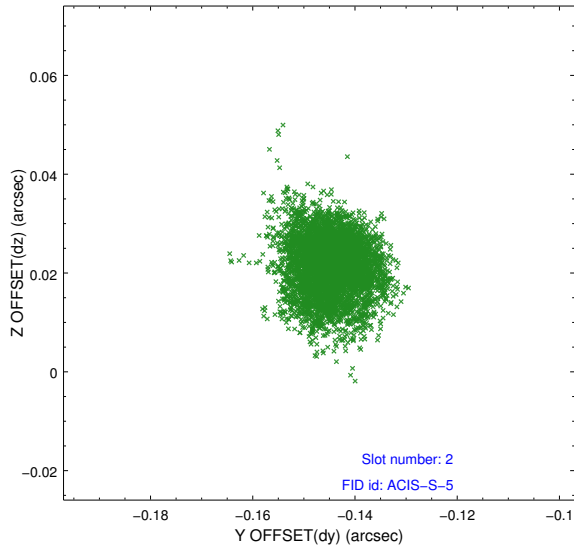
2.5.1 Slot 0



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)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.1695999

A.2 Comments

Joint proposal: XMM. Monitor constraint met.