

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5791 - L2 Version 3
Chandra X-Ray Center

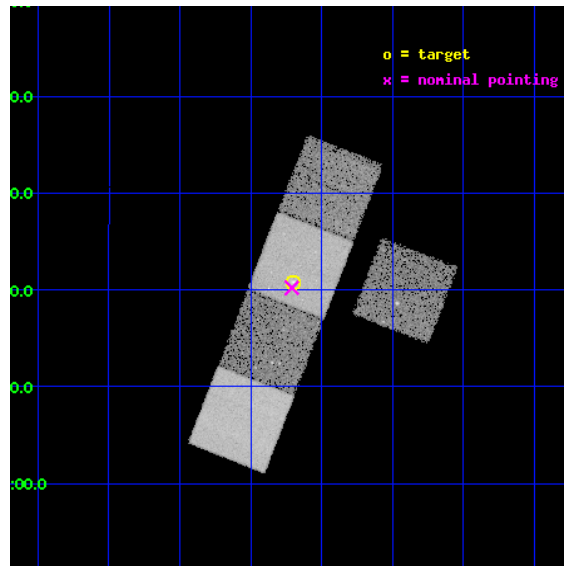
L2 Processing Date : Dec 16 2012

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1 Front

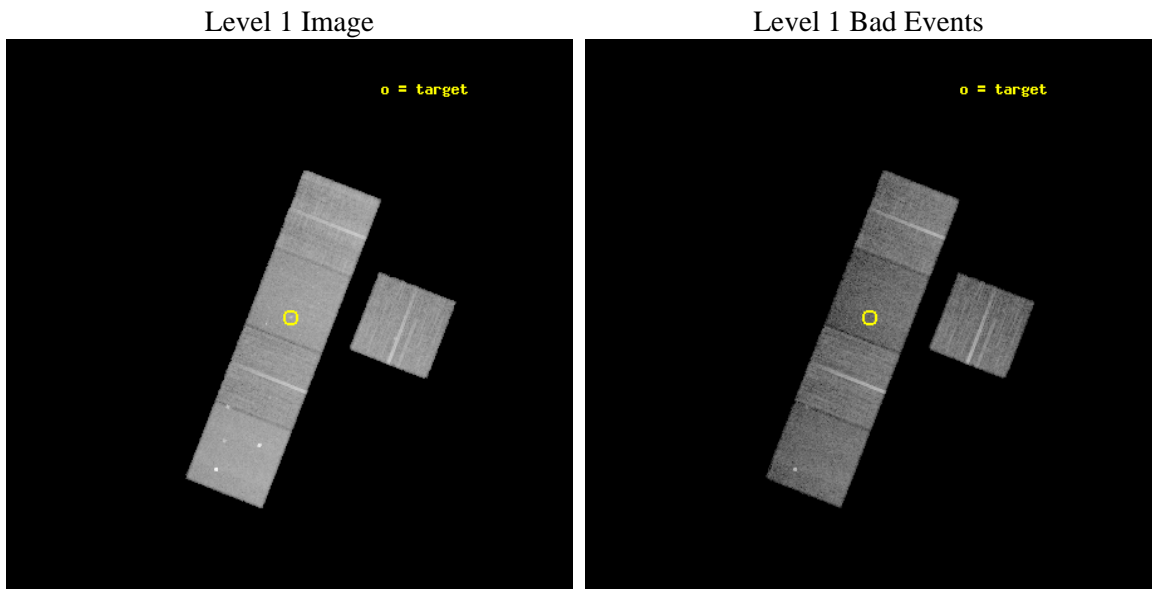
seq_num	800504	Sequence number
obs_id	5791	Observation id
title	Dark Matter in Isolated Ellipticals and Groups	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	NGC766	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.675417	Observer's specified target RA [deg]
dec_targ	8.346583	Observer's specified target Dec [deg]
ra_nom	29.677337681874	Nominal RA [deg]
dec_nom	8.3371001261874	Nominal Dec [deg]
roll_nom	291.29568665279	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20177.899961174	Sum of GTIs [s]
livetime	19914.260843427	Livetime [s]
ontime3	20174.758990914	Sum of GTIs [s]
ontime5	20177.899961174	Sum of GTIs [s]
ontime6	20177.899961174	Sum of GTIs [s]
ontime7	20177.899961174	Sum of GTIs [s]
ontime8	20168.477000564	Sum of GTIs [s]
l2events	168245	Number of level 2 events



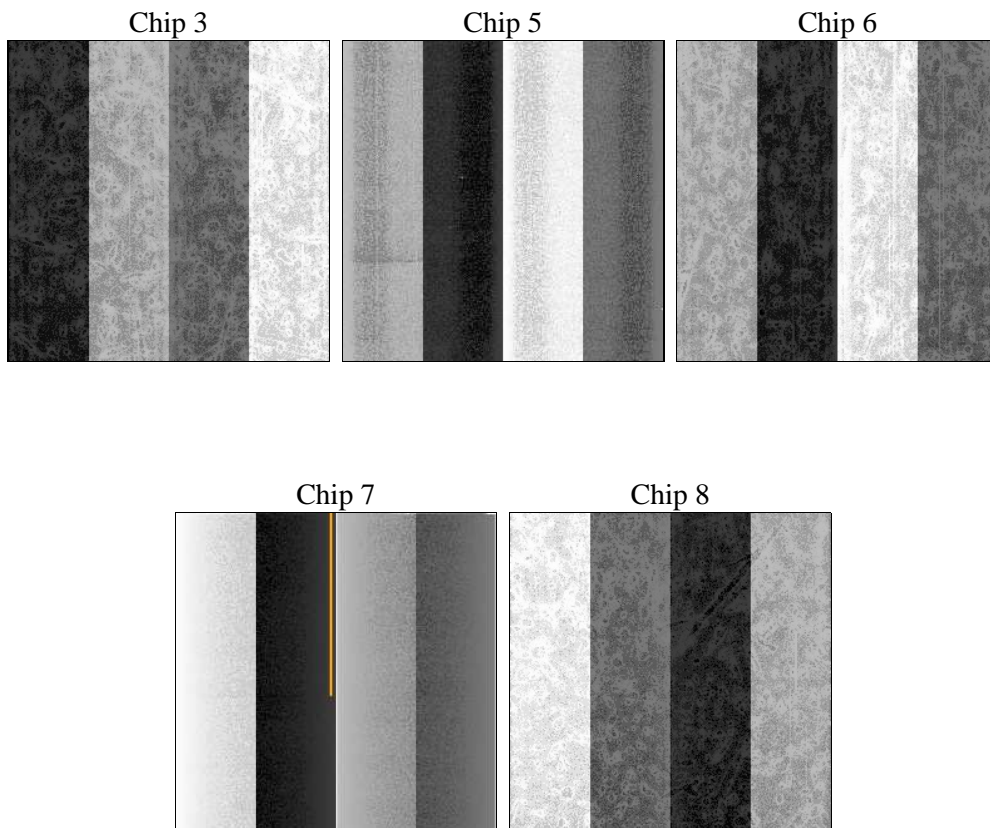
2 OBI

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	8.5.1	Processing system revision	ontime	20177.899961174	Sum of GTIs [s]
caldbver	4.5.5	 	ontime3	20174.758990914	Sum of GTIs [s]
date	2012-12-15T21:51:48	Date and time of file creation	ontime5	20177.899961174	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	20177.899961174	Sum of GTIs [s]
			ontime7	20177.899961174	Sum of GTIs [s]
			ontime8	20168.477000564	Sum of GTIs [s]
			l1events	687614	Number of level 1 events

2.1.4 Events

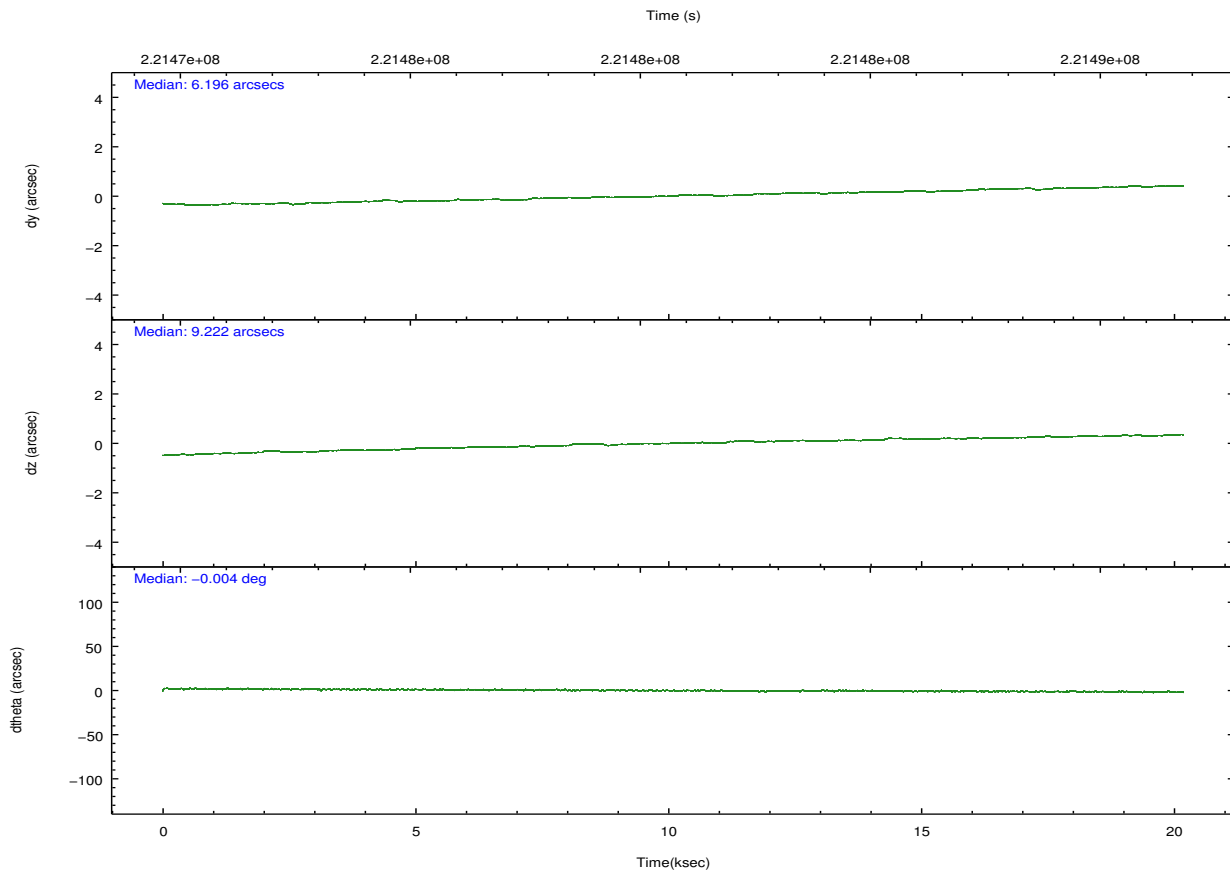
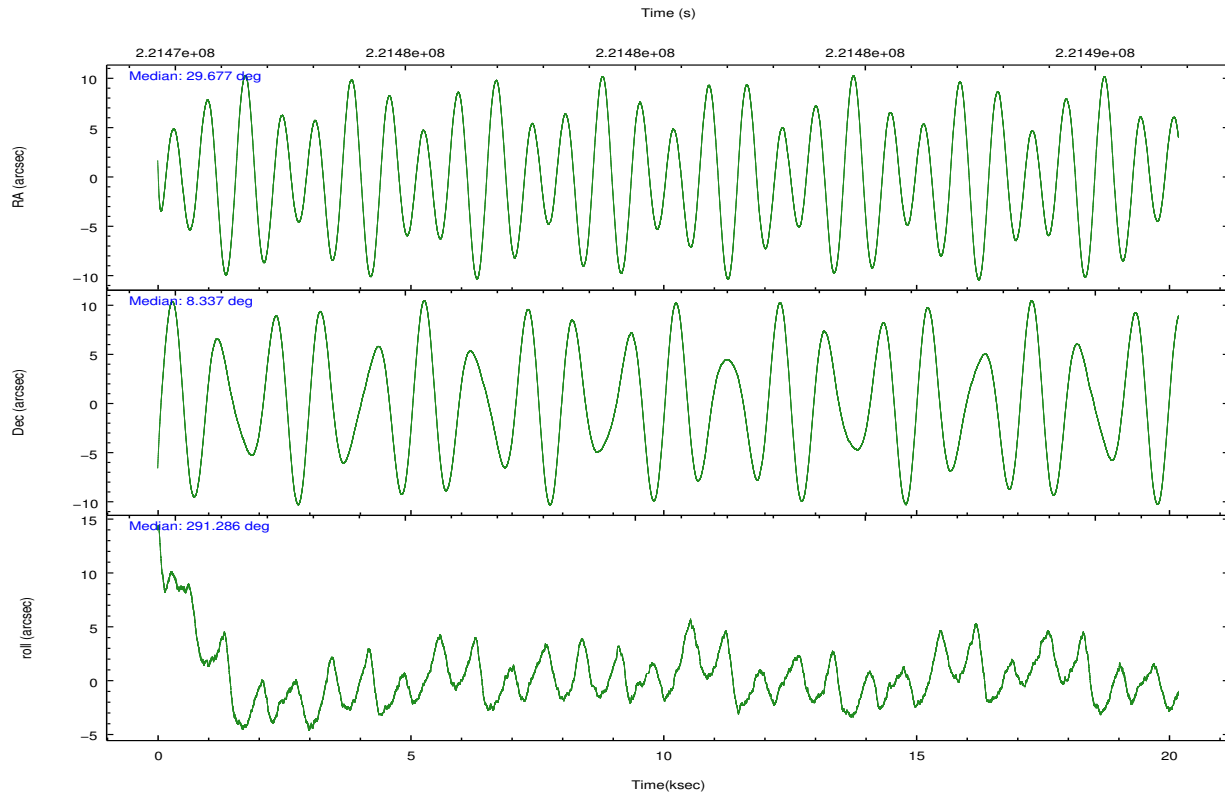
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	116875	166999	118993	133365	151382
rejected events	105437	82725	106064	72108	116033
rejected %	90%	49%	89%	54%	76%

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4320	11107	4886	6133	10962
	3%	6%	4%	4%	7%
grade 1 events	66	1215	67	104	117
	0%	0%	0%	0%	0%
grade 2 events	2351	25504	2656	12331	7693
	2%	15%	2%	9%	5%
grade 3 events	1274	3510	1440	5948	4050
	1%	2%	1%	4%	2%
grade 4 events	1327	3498	1392	5876	3674
	1%	2%	1%	4%	2%
grade 5 events	4597	12789	4719	13976	6684
	3%	7%	3%	10%	4%
grade 6 events	2193	40874	2586	31150	9086
	1%	24%	2%	23%	6%
grade 7 events	100747	68502	101247	57847	109116
	86%	41%	85%	43%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	29.655606	29.67733768187359	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.353828	8.337100126187428	Alternating exposures requested	N	N
[deg] Pointing Roll	291.142205	291.2956866527928	[s] Primary exposure time	0.000000	3.1
[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)	221470801.184000	221469777.24907			
Observation start date	2005-01-07T07:38:57	2005-01-07T07:22:57			
[s] Observation end time (MET)	221490801.184000	221491538.00005			
Observation end date	2005-01-07T13:12:17	2005-01-07T13:25:38			
Read mode	TIMED	TIMED			

2.3 Aspect

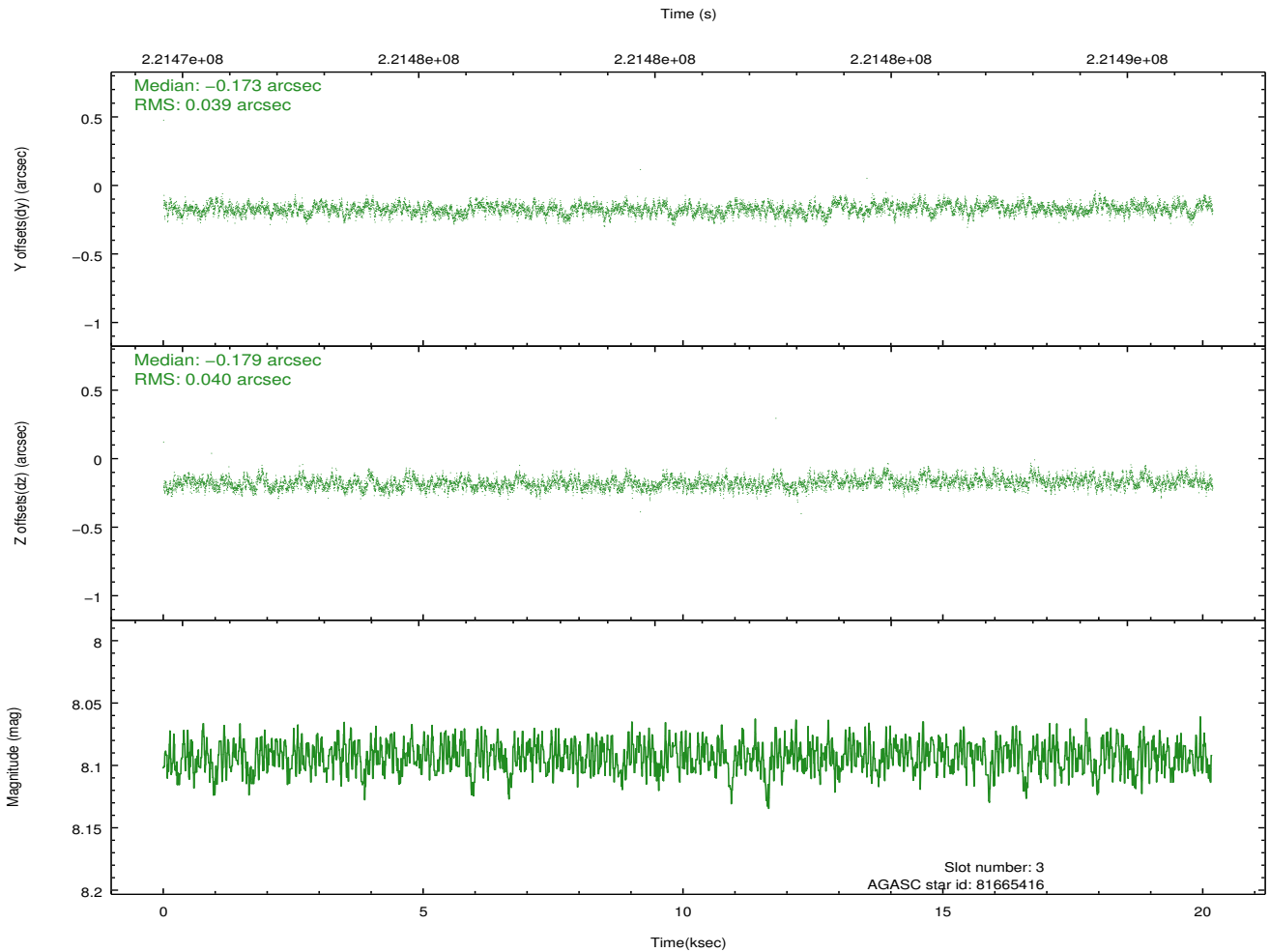
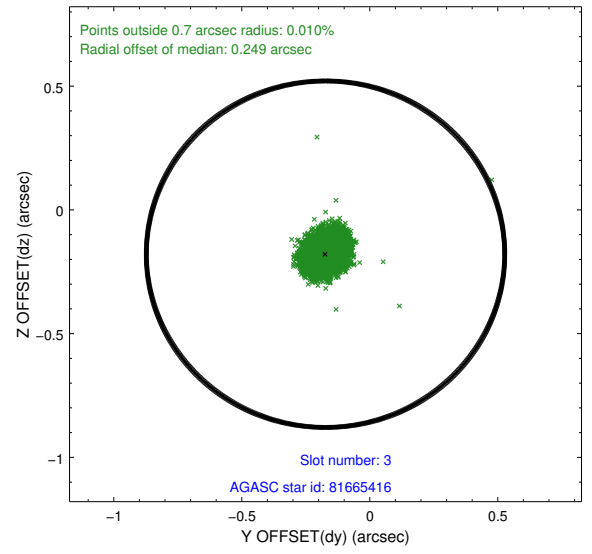
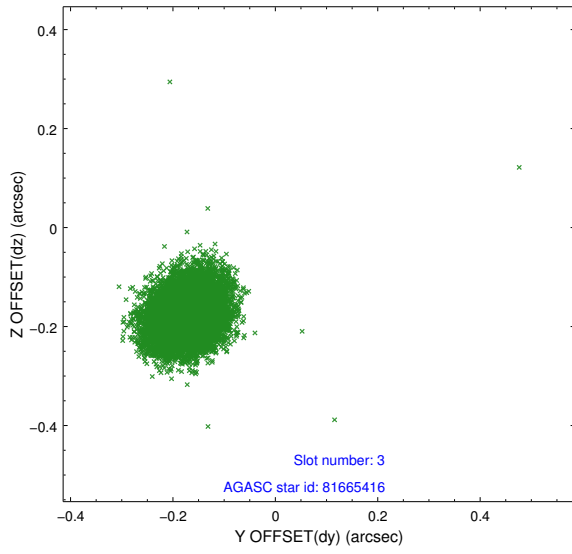


Slot Statistics

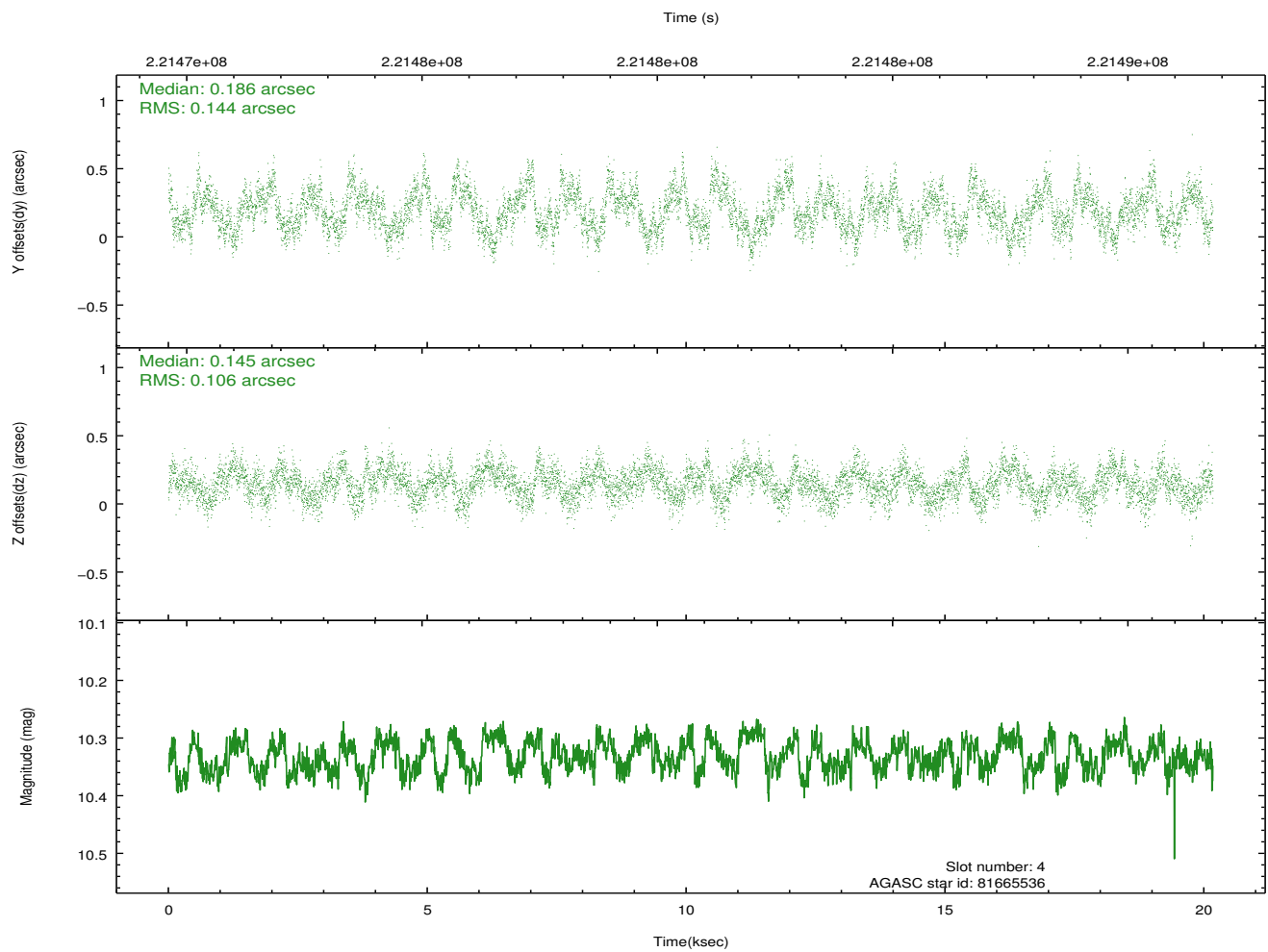
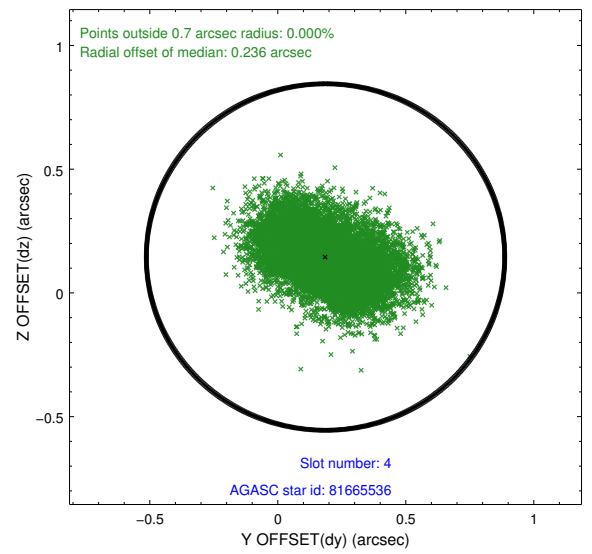
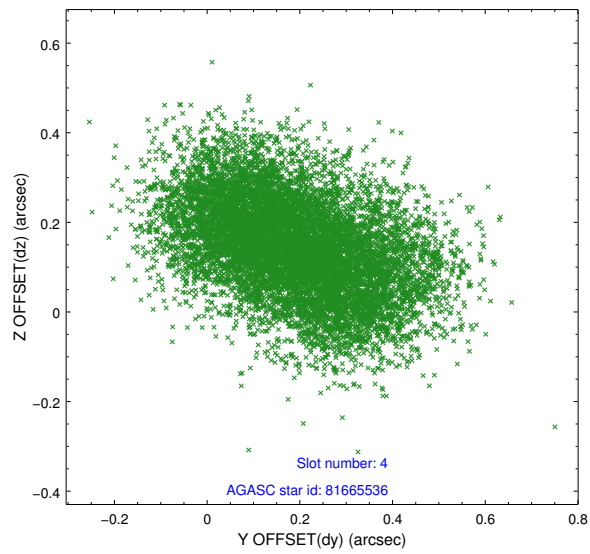
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4924	-0.055	-0.051	0.014	0.024	0.000000	0.000000	-758.98	-1730.43
1	FID	ACIS-S-4	7.21	4924	0.103	0.040	0.017	0.028	0.000000	0.000000	2154.35	177.97
2	FID	ACIS-S-5	7.23	4924	-0.077	0.018	0.016	0.027	0.000000	0.000000	-1811.62	171.80
3	GUIDE	81665416	8.09	9846	-0.173	-0.179	0.059	0.095	29.170944	8.253807	-287.44	-1740.15
4	GUIDE	81665536	10.33	9834	0.186	0.145	0.194	0.304	30.263547	8.070248	1732.55	1653.77
5	GUIDE	81666448	9.83	9844	-0.182	0.079	0.113	0.185	29.785373	8.895570	-1651.81	1134.50
6	GUIDE	81668208	9.99	9841	0.216	-0.133	0.136	0.224	29.515621	7.942388	1202.00	-999.51
7	GUIDE	81668520	9.06	9843	-0.050	0.086	0.086	0.139	30.181336	8.202942	1181.59	1552.07

2.4 Star Slots

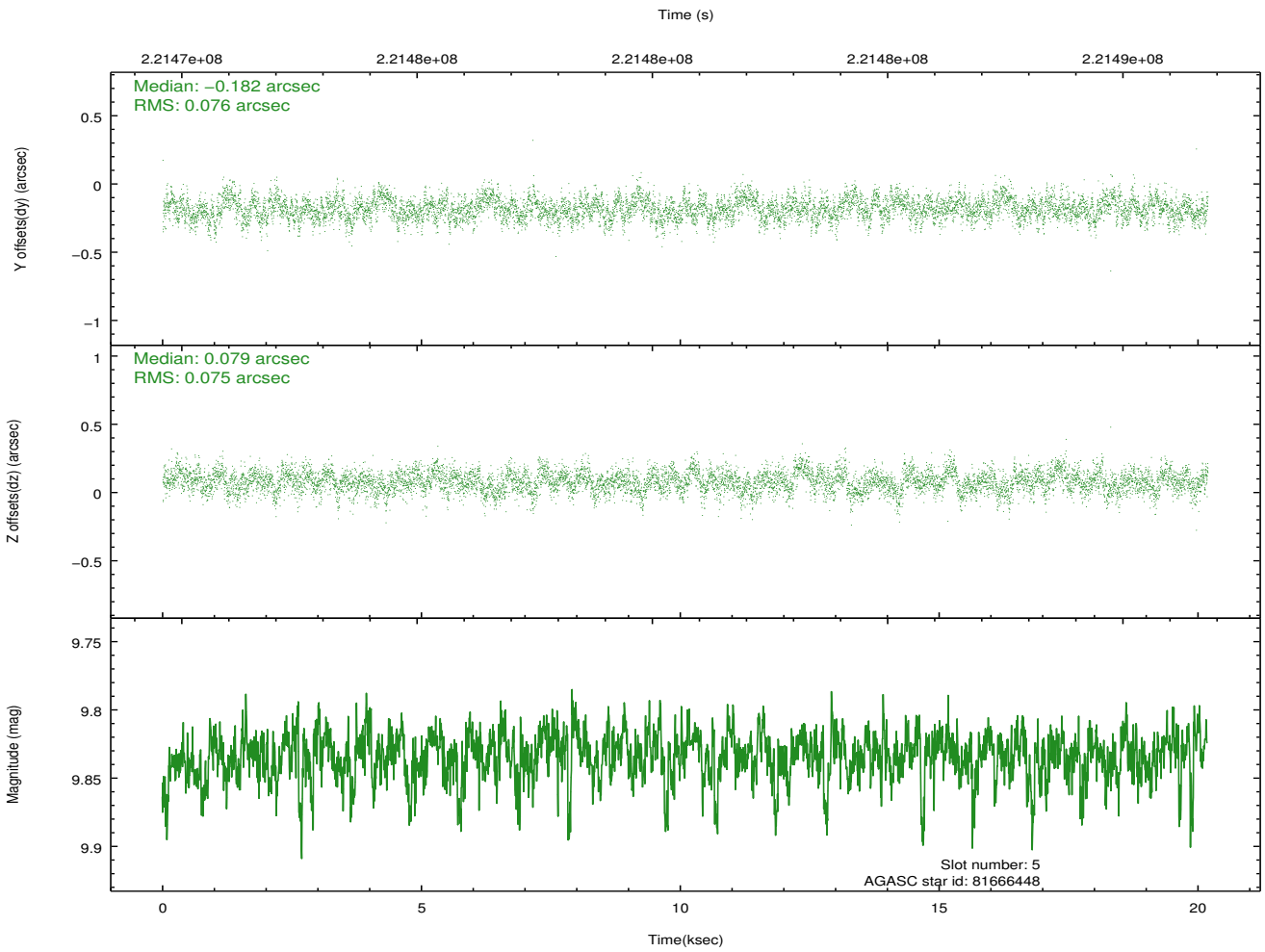
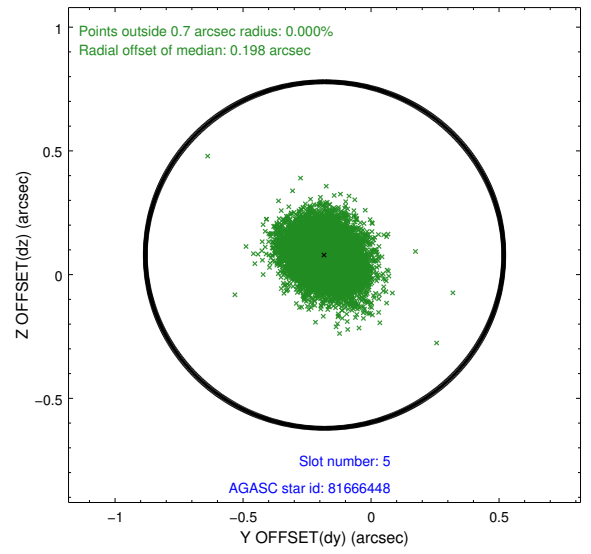
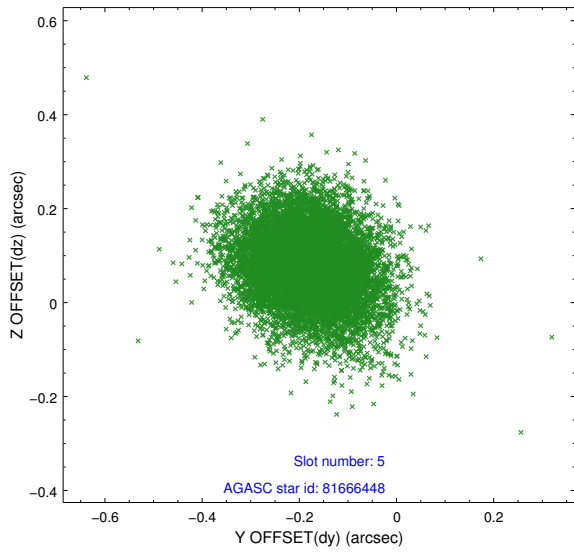
2.4.1 Slot 3



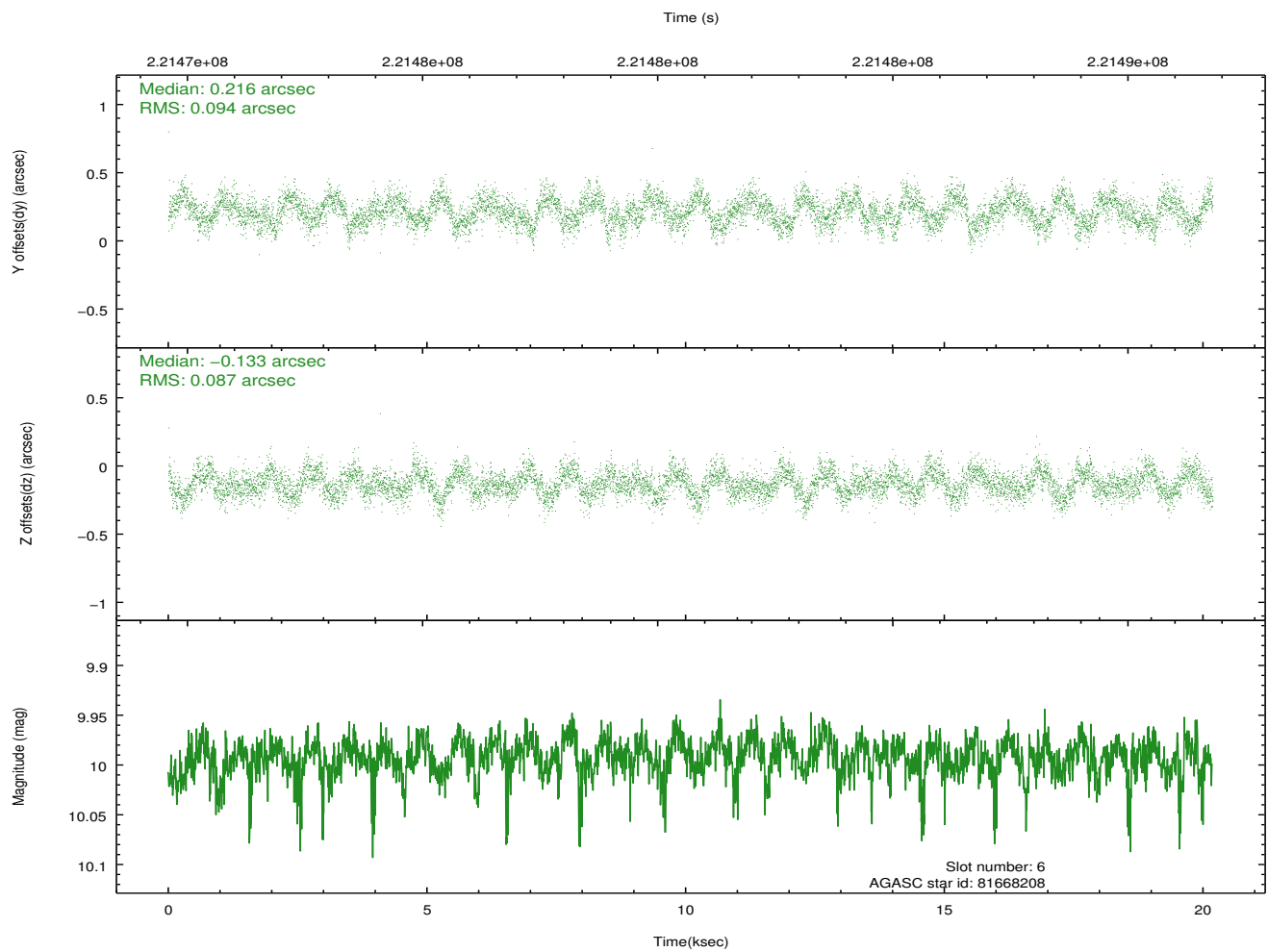
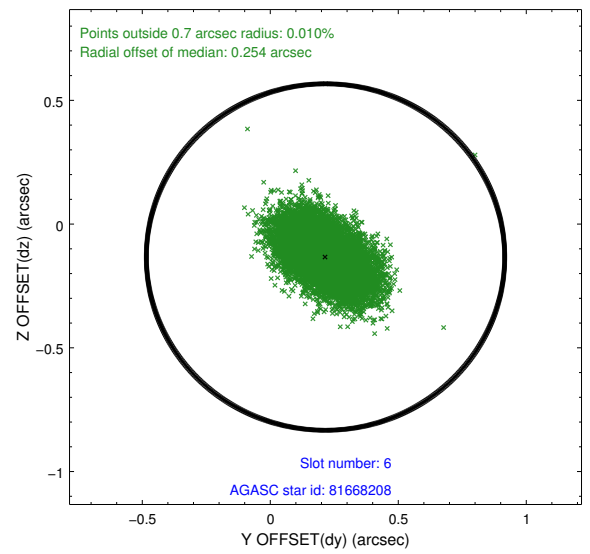
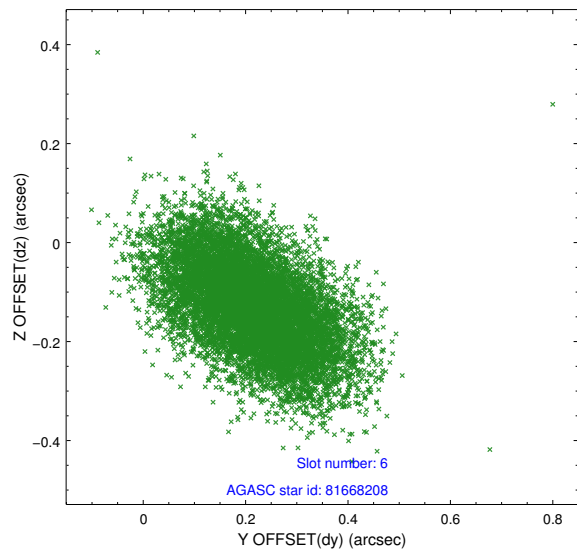
2.4.2 Slot 4



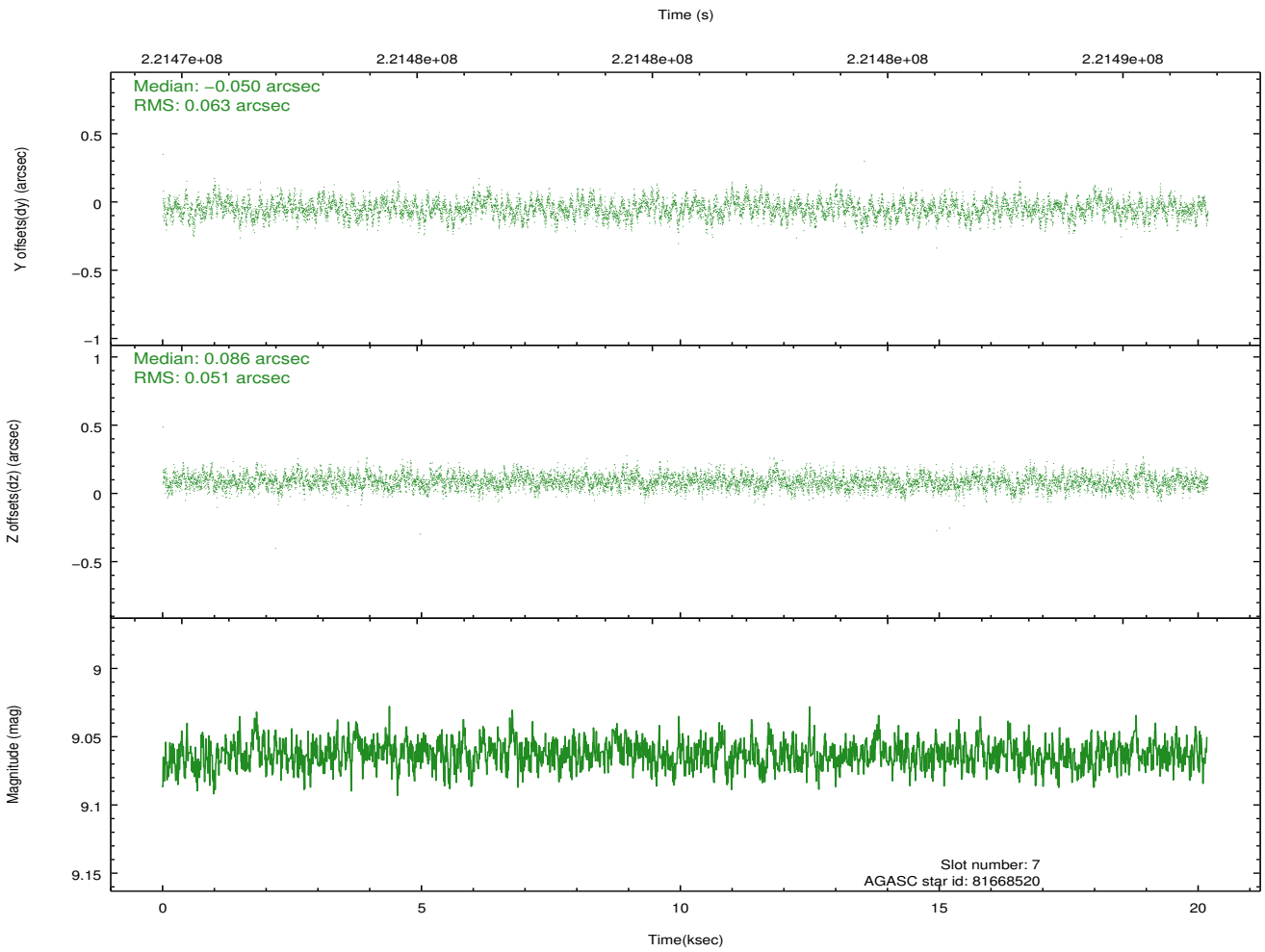
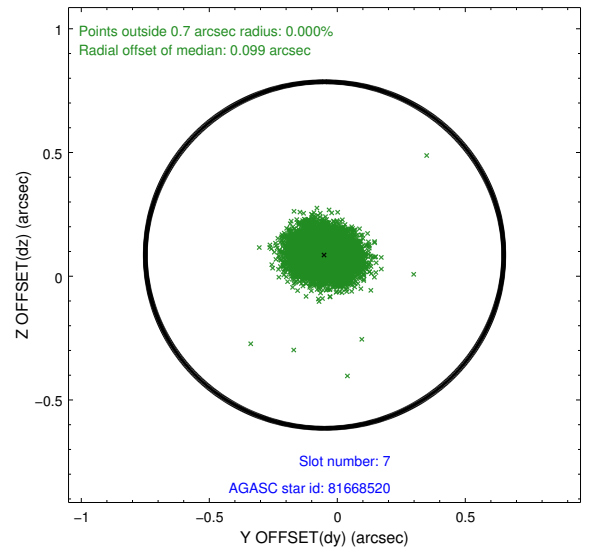
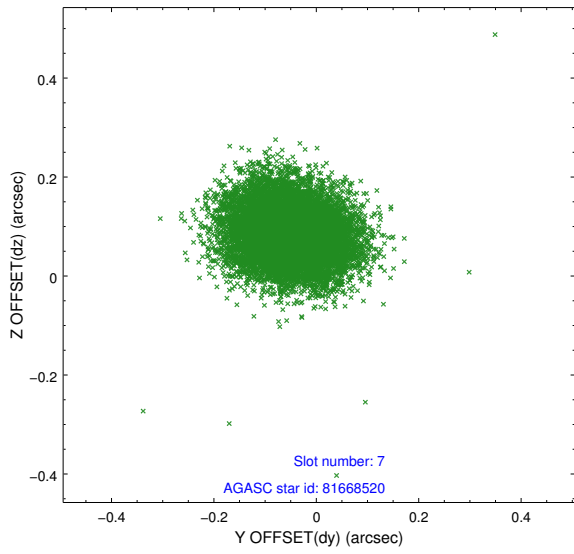
2.4.3 Slot 5



2.4.4 Slot 6

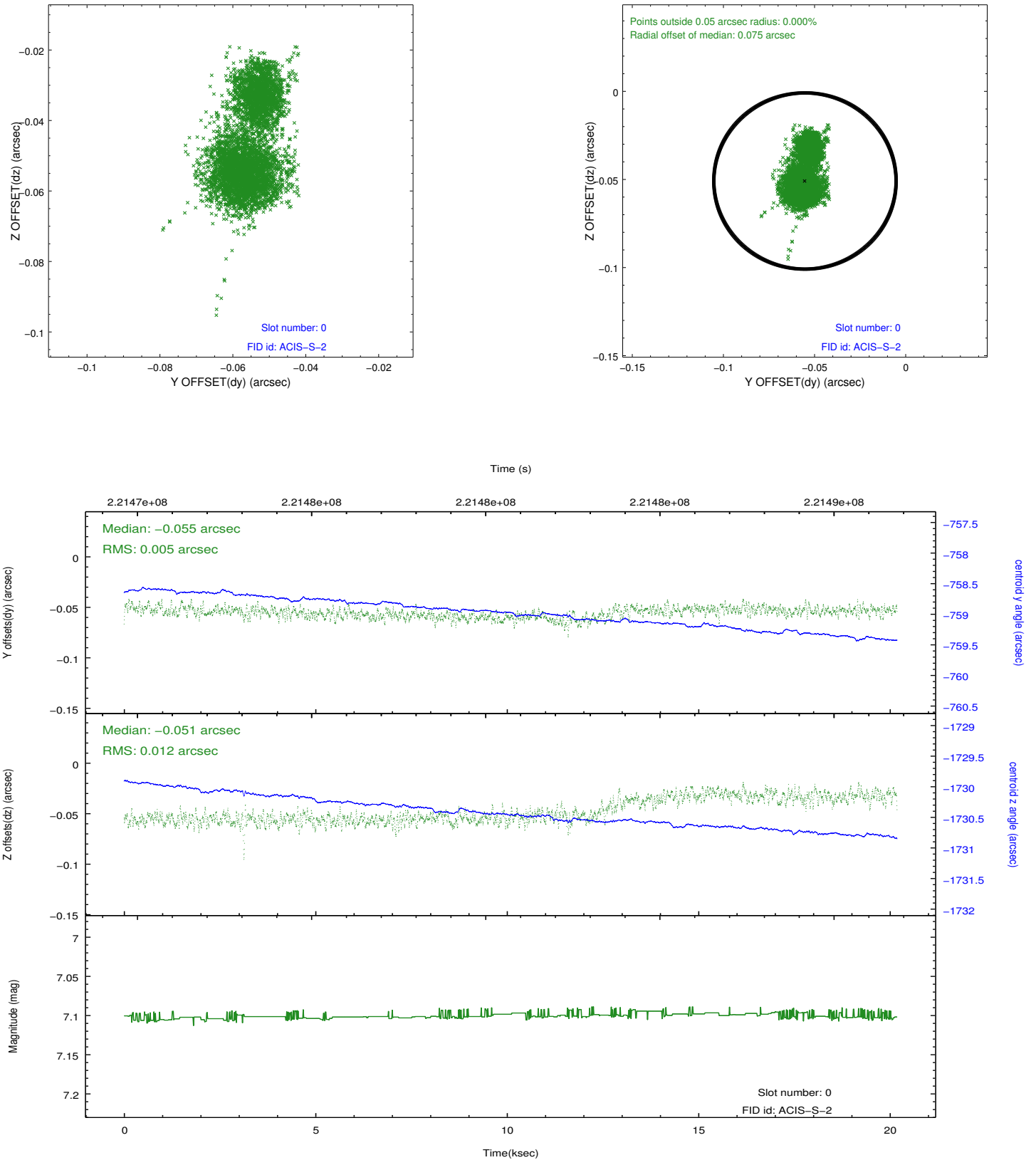


2.4.5 Slot 7

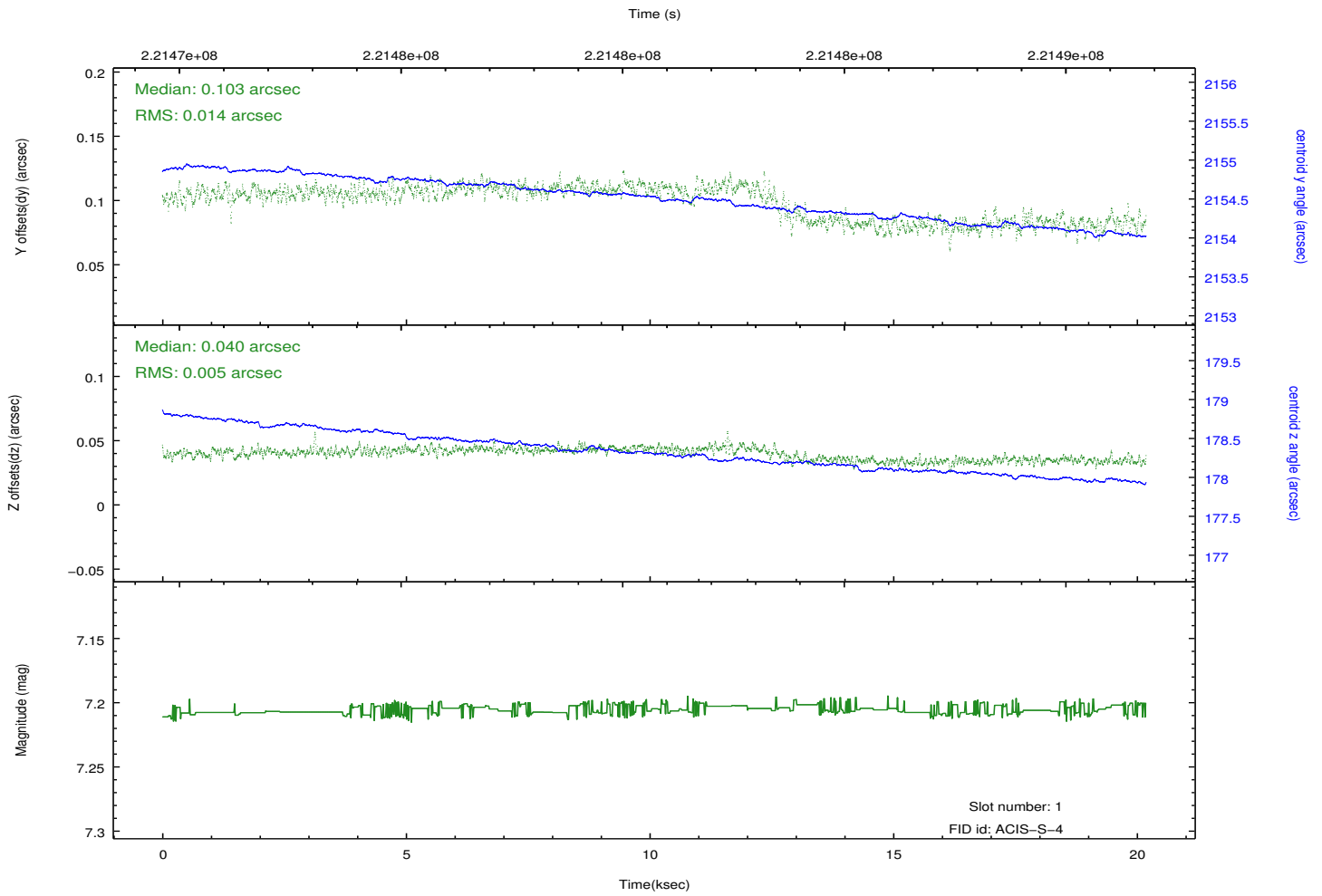
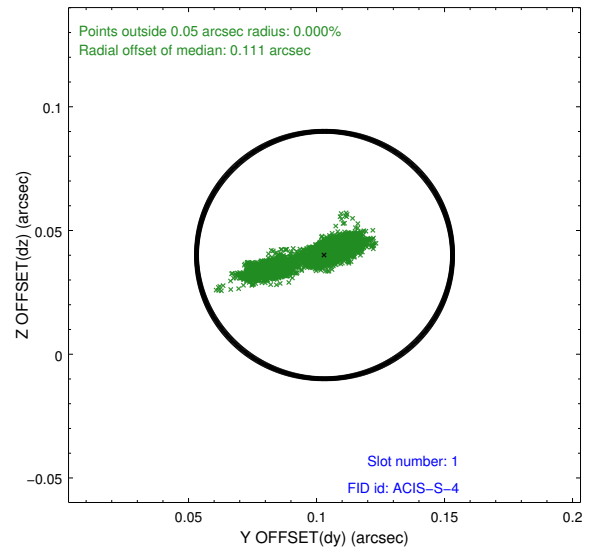
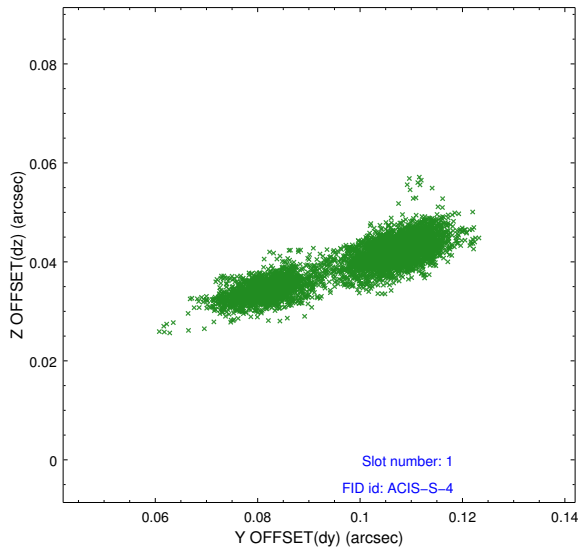


2.5 FID Slots

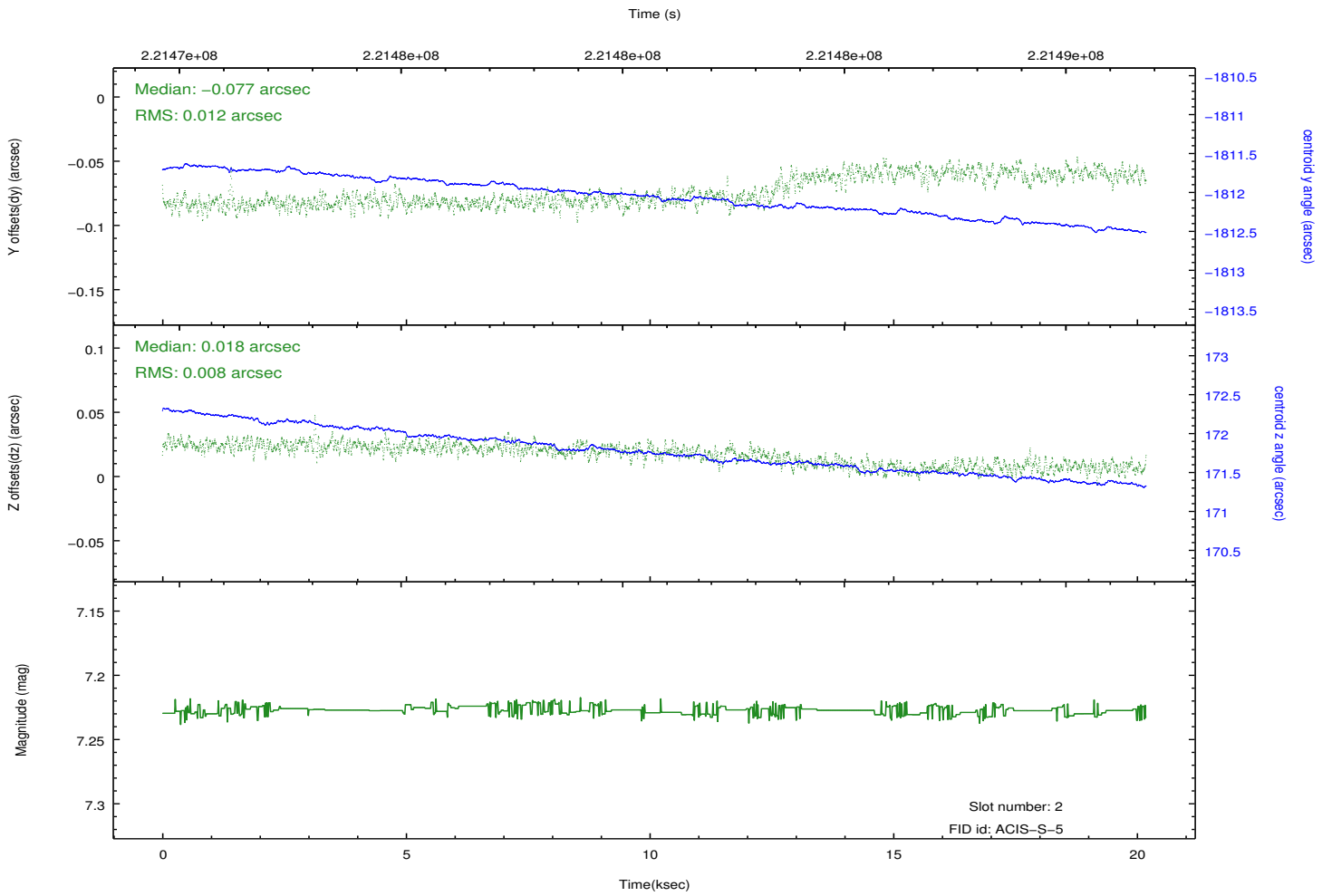
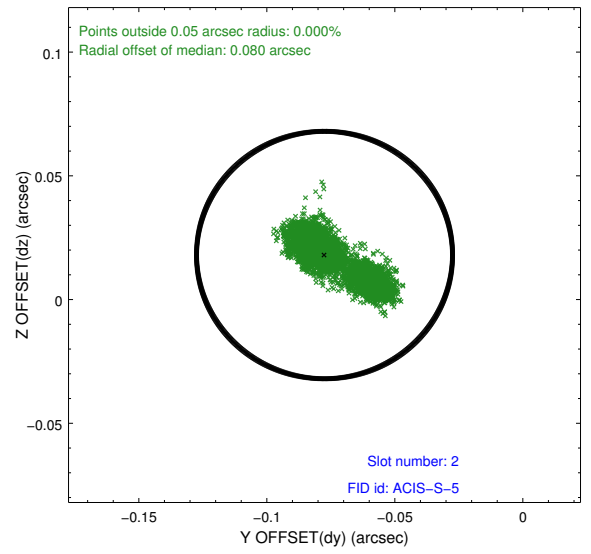
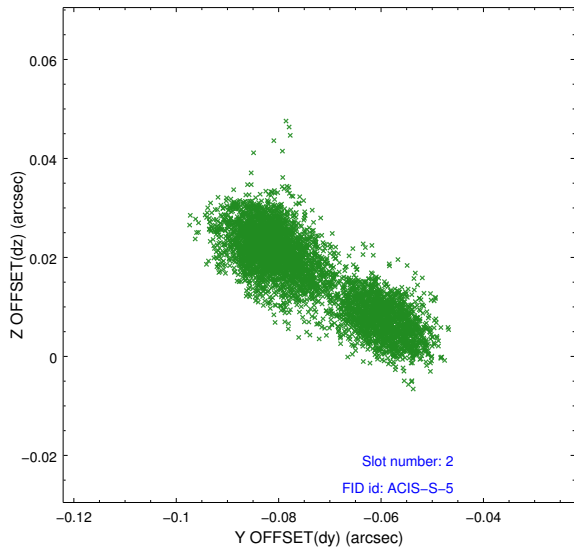
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.17789

A.2 Comments