

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7584 - L2 Version 2
Chandra X-Ray Center

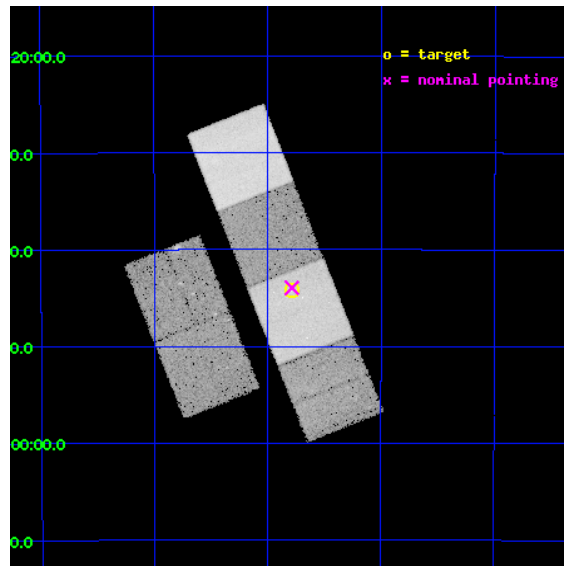
L2 Processing Date : Apr 25 2012

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1 Front

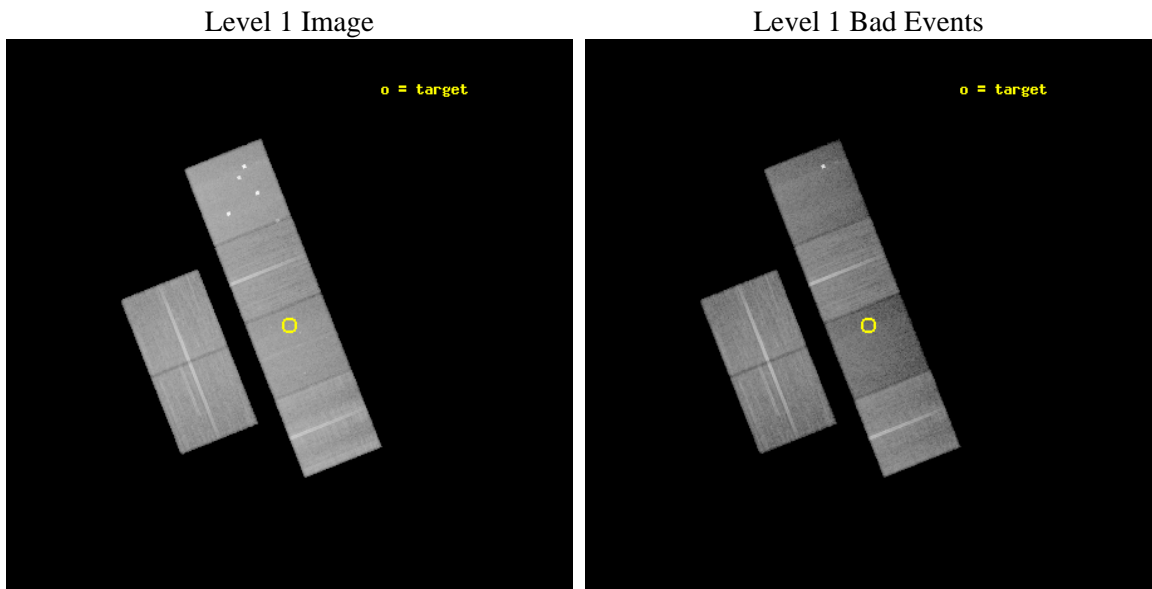
seq_num	500716	Sequence number
obs_id	7584	Observation id
title	NEARBY RECYCLED PULSAR J1909-3744	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	PSR J1909-3744	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.447917	Observer's specified target RA [deg]
dec_targ	-37.737278	Observer's specified target Dec [deg]
ra_nom	287.4468253928	Nominal RA [deg]
dec_nom	-37.732512966102	Nominal Dec [deg]
roll_nom	68.378964502567	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30041.599888146	Sum of GTIs [s]
livetime	29661.195061482	Livetime [s]
ontime2	30038.358887911	Sum of GTIs [s]
ontime3	30041.599888146	Sum of GTIs [s]
ontime5	30041.599888146	Sum of GTIs [s]
ontime6	30038.358877897	Sum of GTIs [s]
ontime7	30041.599888146	Sum of GTIs [s]
ontime8	30041.599888146	Sum of GTIs [s]
l2events	319940	Number of level 2 events



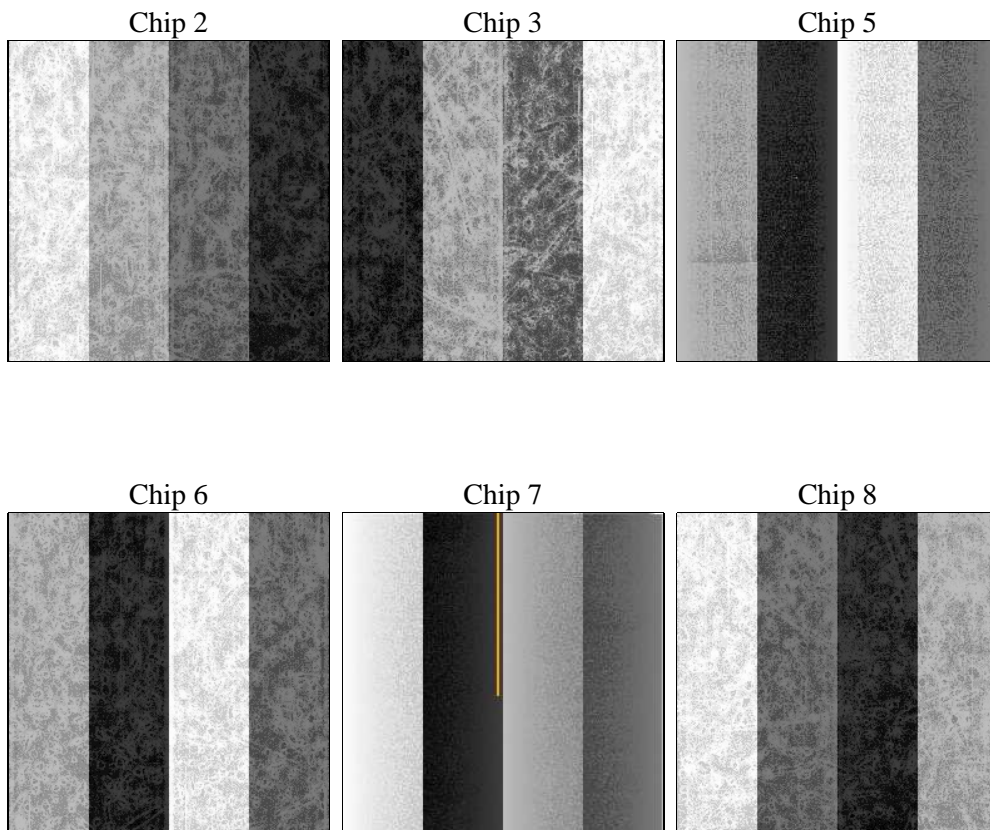
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	30041.599888146	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	30038.358887911	Sum of GTIs [s]
date	2012-04-25T22:52:22	Date and time of file creation	ontime3	30041.599888146	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	30041.599888146	Sum of GTIs [s]
			ontime6	30038.358877897	Sum of GTIs [s]
			ontime7	30041.599888146	Sum of GTIs [s]
			ontime8	30041.599888146	Sum of GTIs [s]
			l1events	1503898	Number of level 1 events

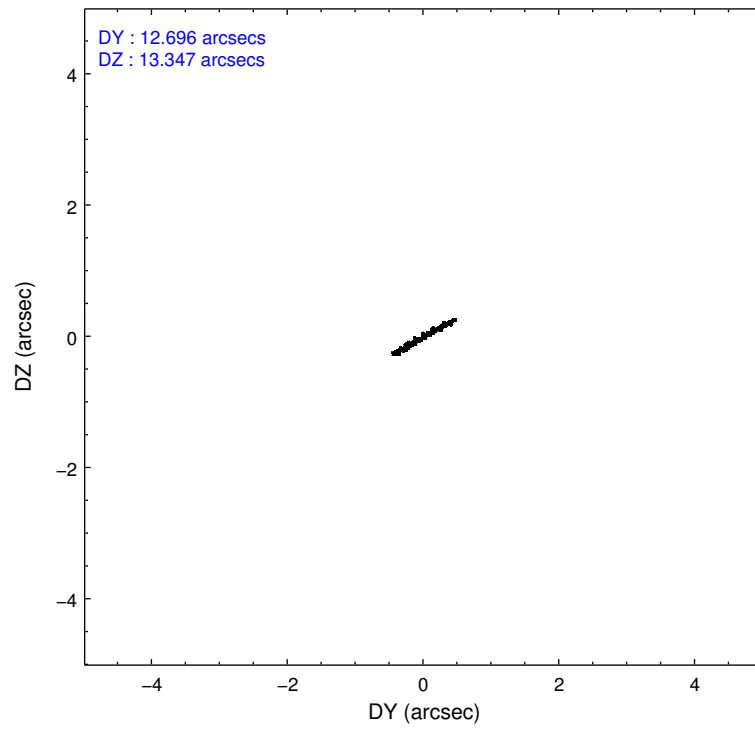
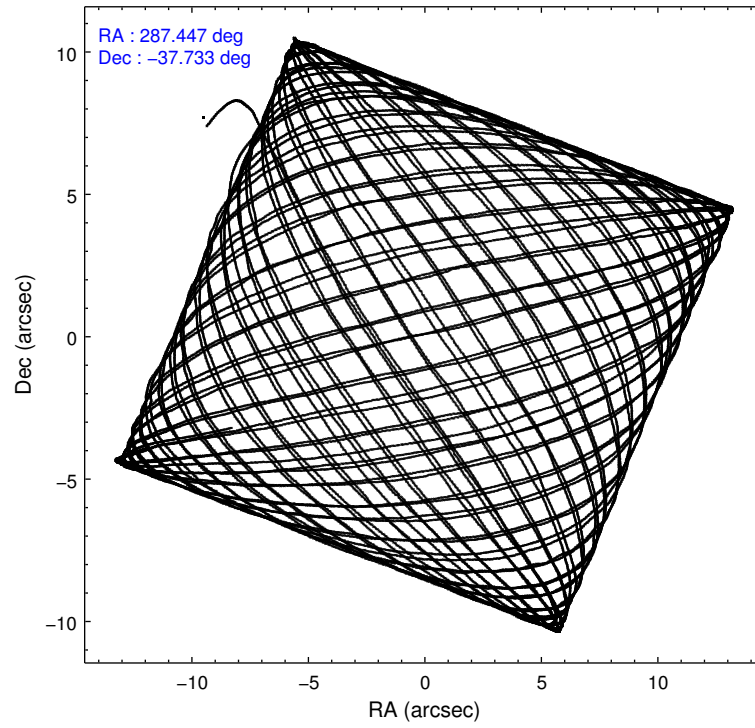
2.1.4 Events

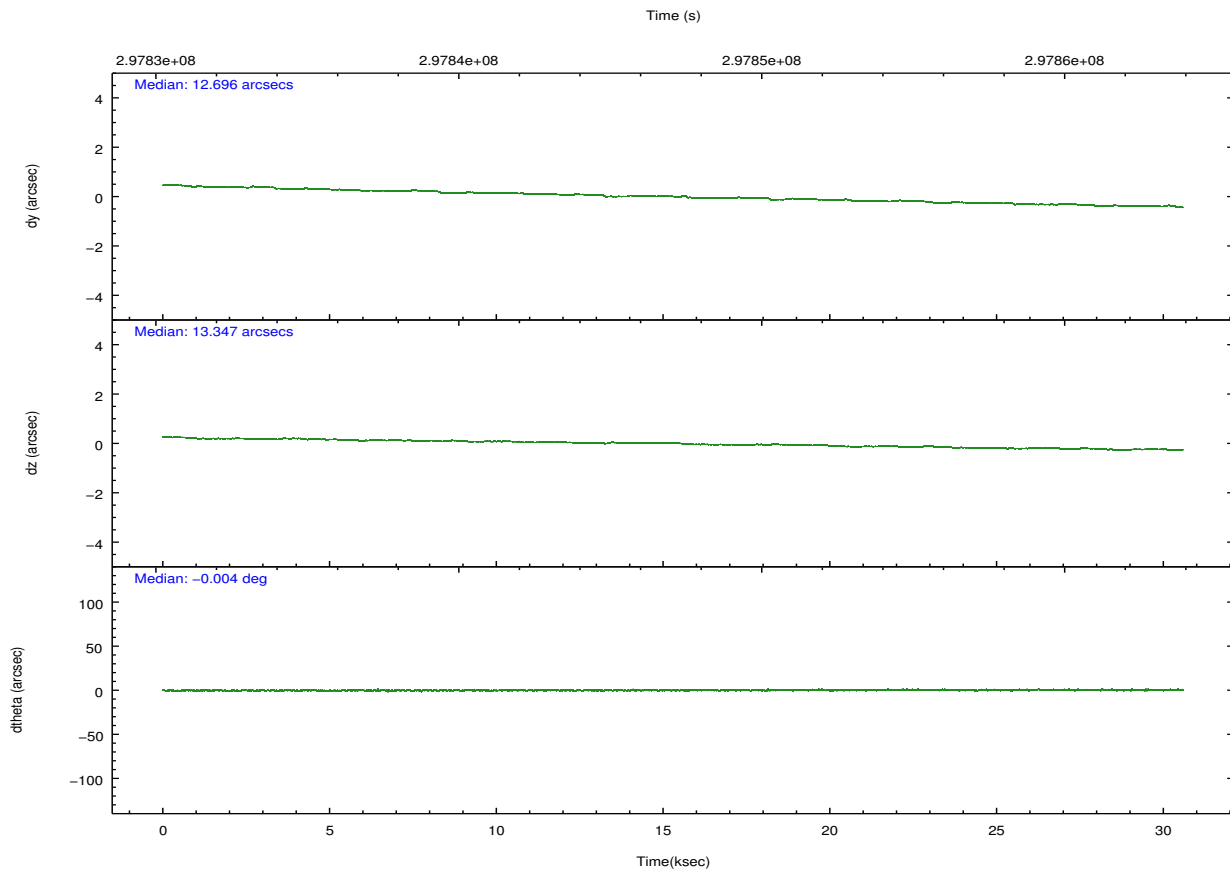
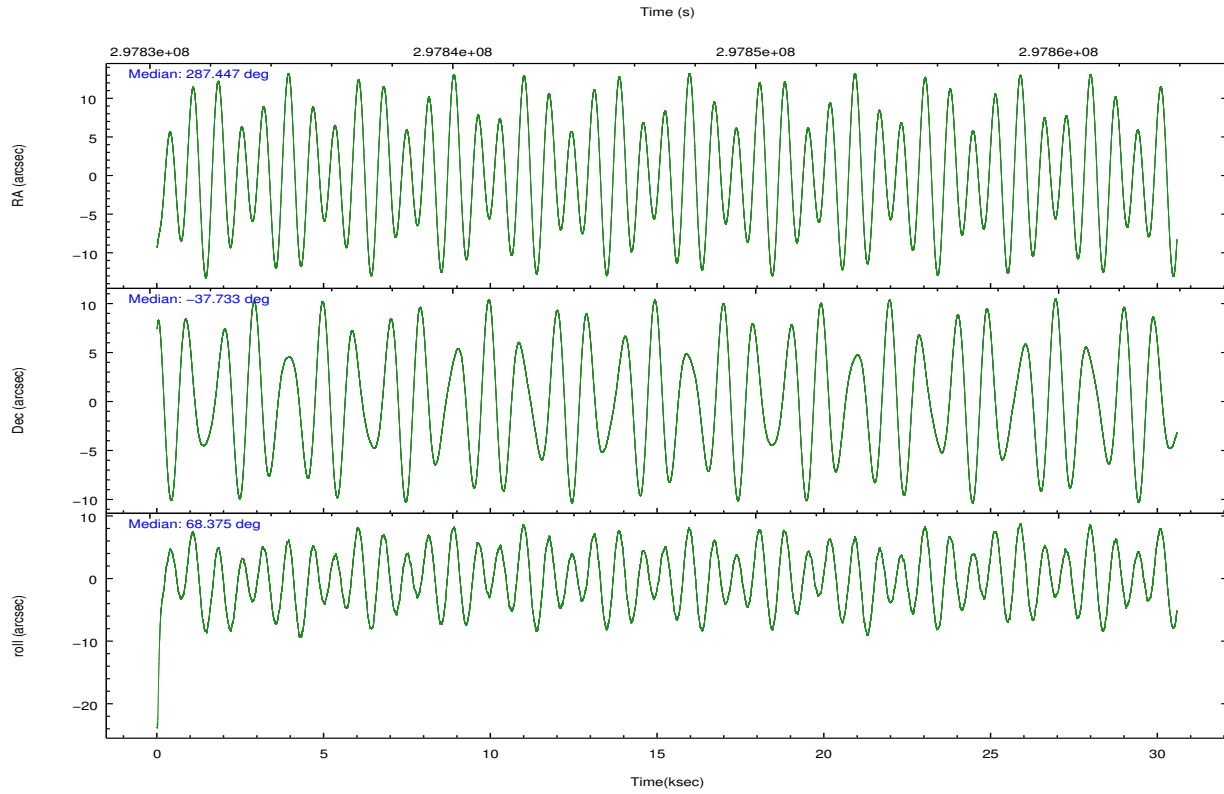
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	250650	223778	305707	229903	214041	279819	grade 0 events	9365	8109	35254	8588	11189	19098
rejected events	227571	203116	135407	207027	107723	211353		3%	3%	11%	3%	5%	6%
rejected %	90%	90%	44%	90%	50%	75%	grade 1 events	145	111	854	114	321	211
								0%	0%	0%	0%	0%	0%
							grade 2 events	5368	4244	47643	4871	22575	16243
								2%	1%	15%	2%	10%	5%
							grade 3 events	2288	2313	6546	2465	10310	7379
								0%	1%	2%	1%	4%	2%
							grade 4 events	2324	2273	6277	2409	10038	6822
								0%	1%	2%	1%	4%	2%
							grade 5 events	6168	7515	22128	7496	22952	11799
								2%	3%	7%	3%	10%	4%
							grade 6 events	3739	3726	74615	4548	52241	18930
								1%	1%	24%	1%	24%	6%
							grade 7 events	221253	195487	112390	199412	84415	199337
								88%	87%	36%	86%	39%	71%

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	287.452350	287.4468253927969	CCD I2 on	Y	Y
[deg] Pointing Dec	-37.759504	-37.73251296610221	CCD I3 on	Y	Y
[deg] Pointing Roll	68.225723	68.37896450256672	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	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	O2	Y
[s] Observation start time (MET)	297832364.184000	297831161.50101	CCD S5 on	N	N
Observation start date	2007-06-10T03:11:39	2007-06-10T02:52:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	297862364.184000	297863119.46504	On-chip summing requested	N	N
Observation end date	2007-06-10T11:31:39	2007-06-10T11:45:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



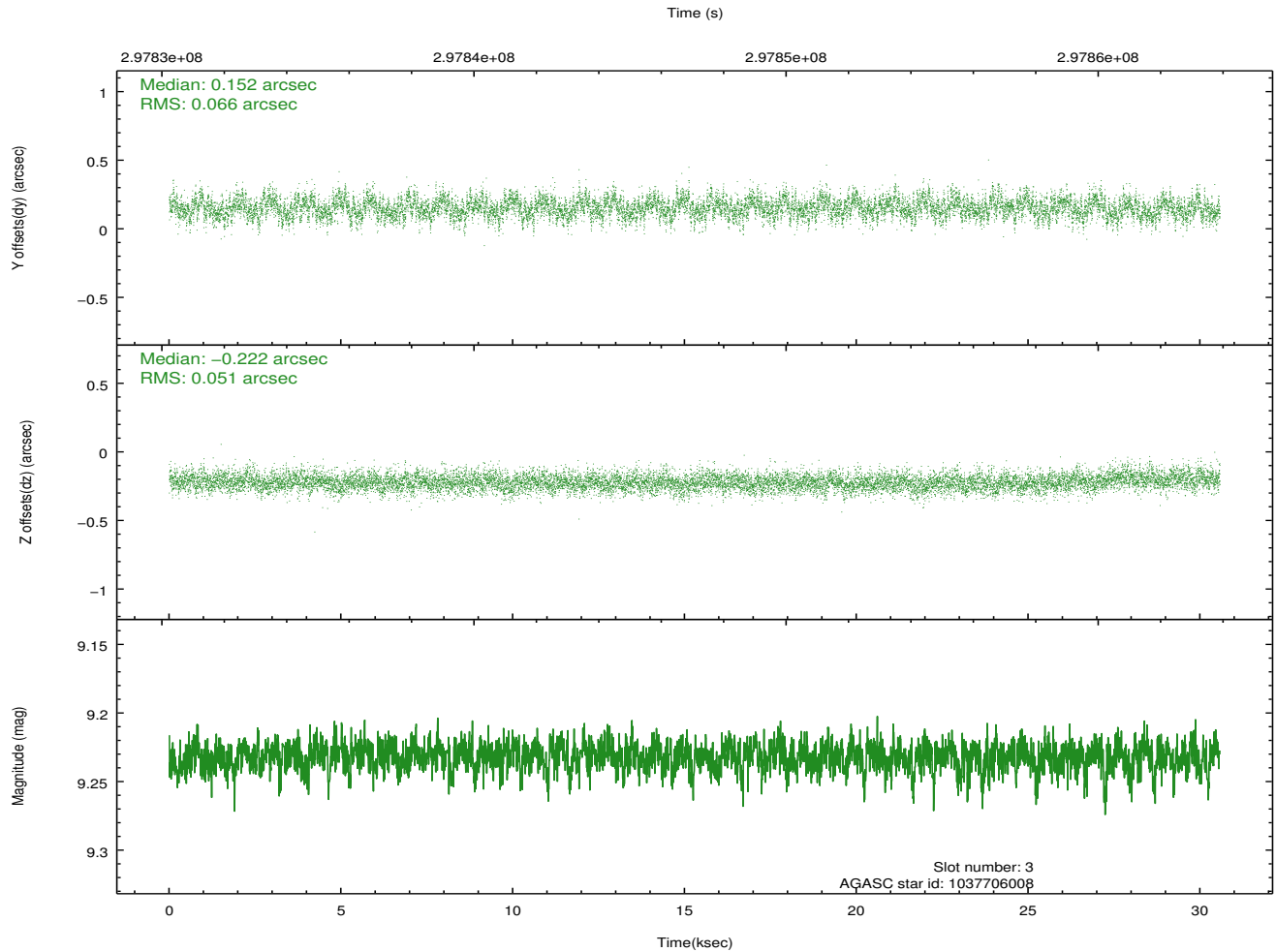
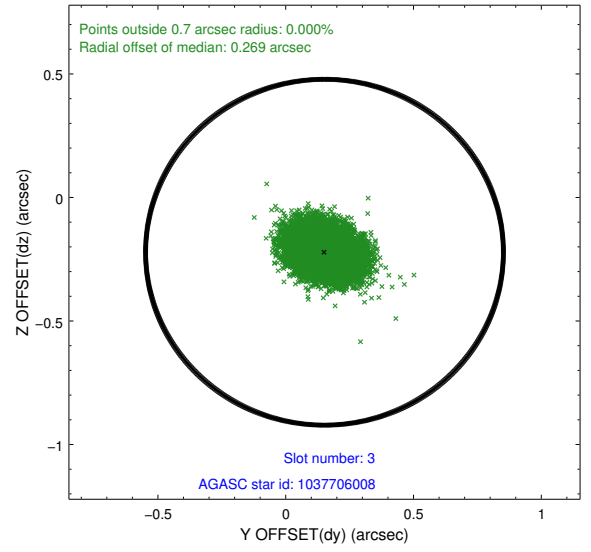
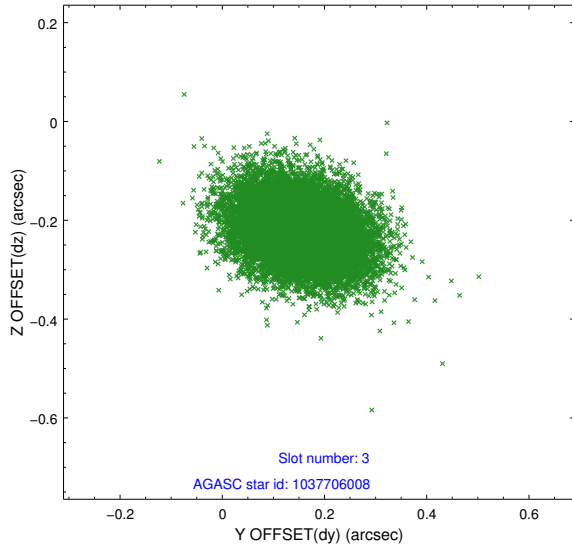


Slot Statistics

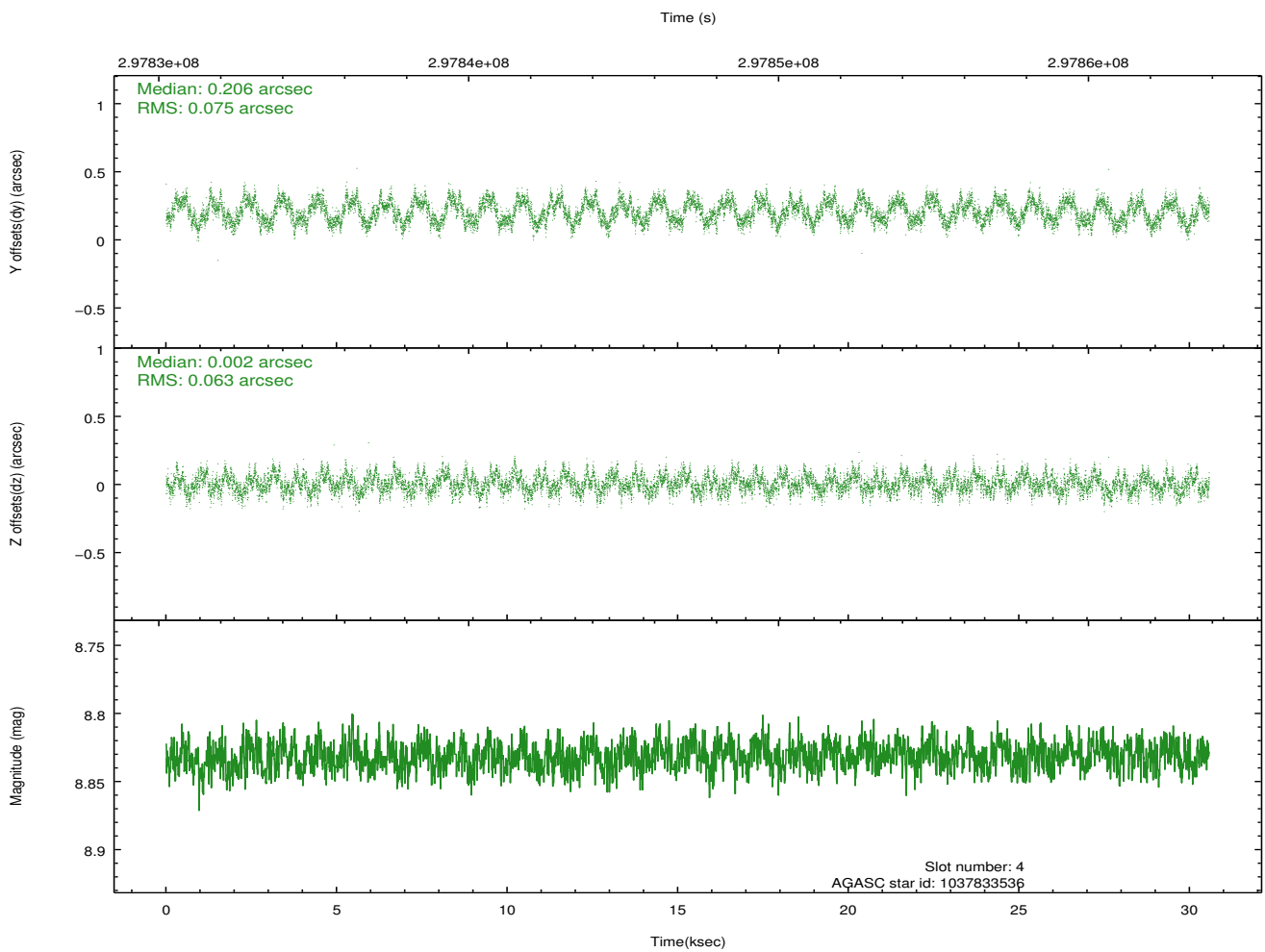
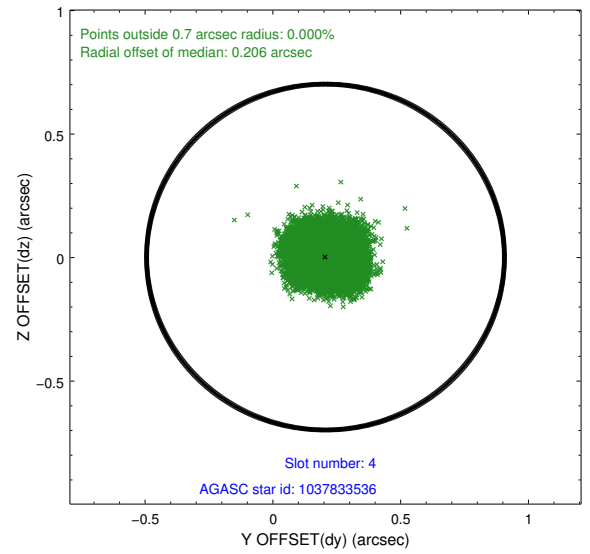
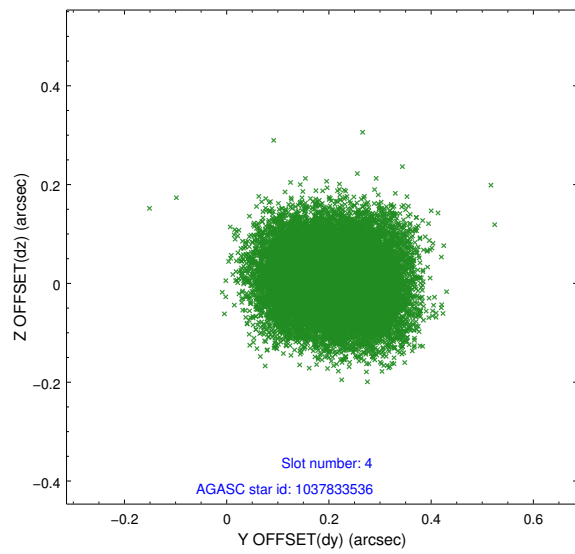
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7458	-0.027	-0.063	0.010	0.016	0.000000	0.000000	-765.63	-1734.73
1	FID	ACIS-S-4	7.20	7458	0.152	0.030	0.016	0.027	0.000000	0.000000	2147.80	173.77
2	FID	ACIS-S-5	7.23	7457	-0.157	0.042	0.012	0.020	0.000000	0.000000	-1818.51	167.54
3	GUIDE	1037706008	9.23	14902	0.152	-0.222	0.088	0.147	286.532417	-38.133000	-2226.69	1915.30
4	GUIDE	1037833536	8.83	14909	0.206	0.002	0.107	0.161	287.675522	-38.433308	-2019.41	-1484.38
5	GUIDE	1037834448	7.53	14914	-0.153	-0.038	0.063	0.098	288.143933	-37.524035	1513.09	-1521.77
6	GUIDE	1037839792	8.52	14909	-0.101	0.162	0.068	0.116	288.019868	-38.285059	-1166.21	-2192.75
7	GUIDE	972821472	9.04	14899	-0.108	0.103	0.100	0.159	287.833898	-37.212163	2233.19	-286.23

2.4 Star Slots

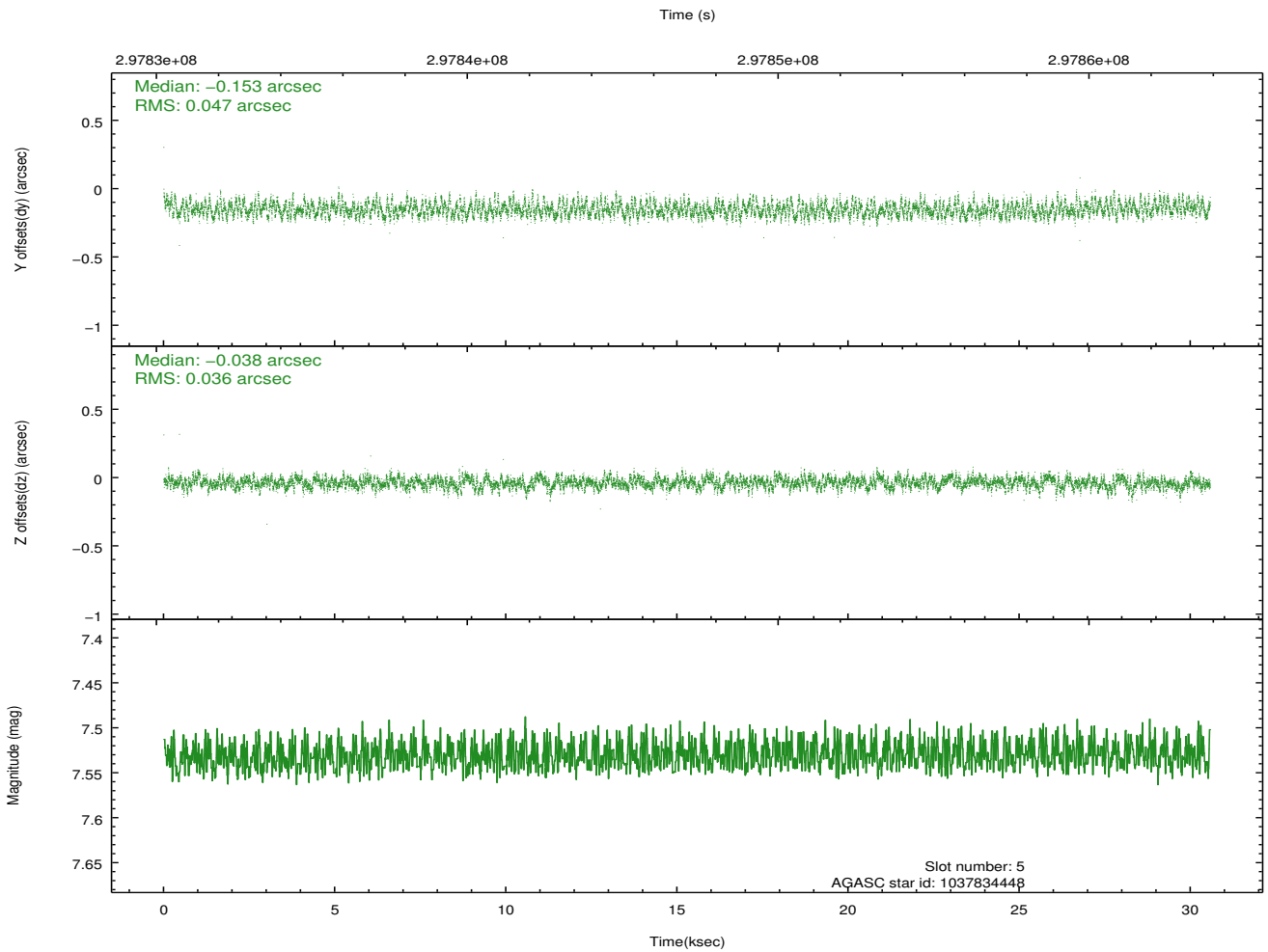
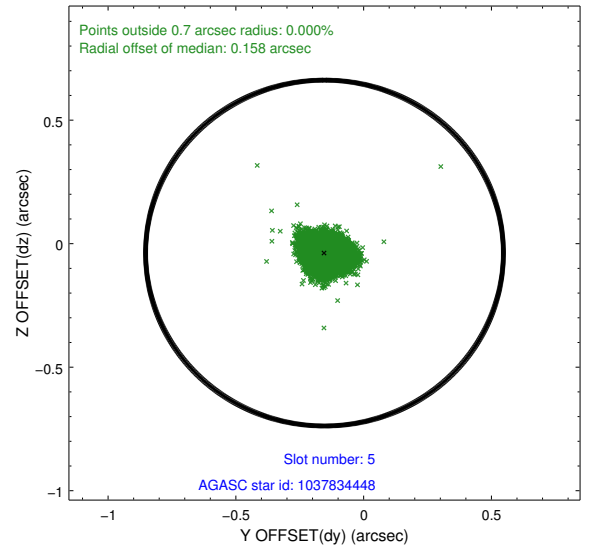
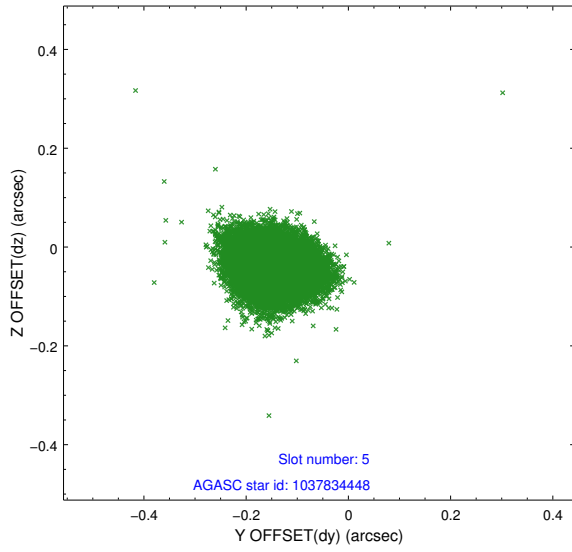
2.4.1 Slot 3



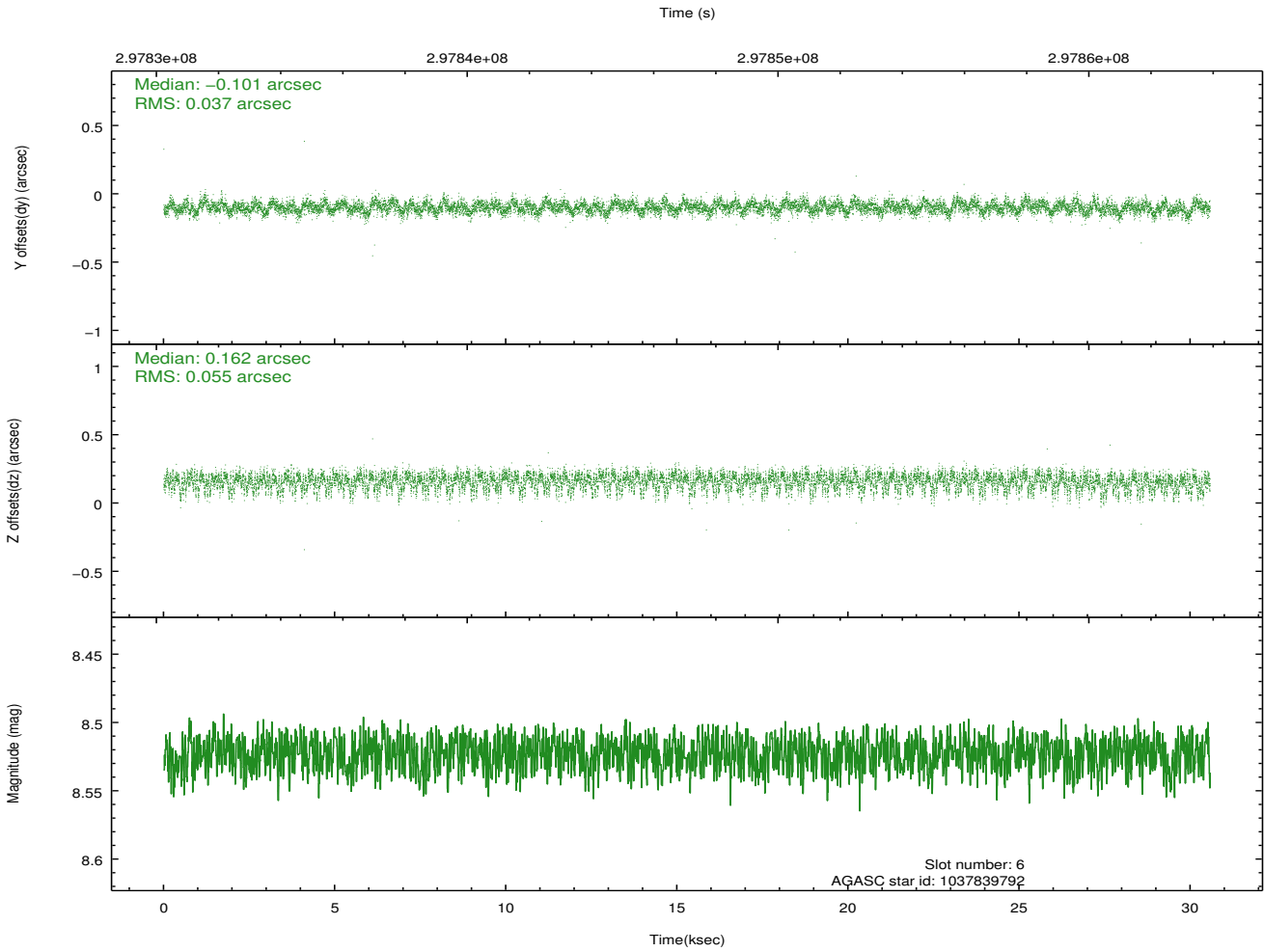
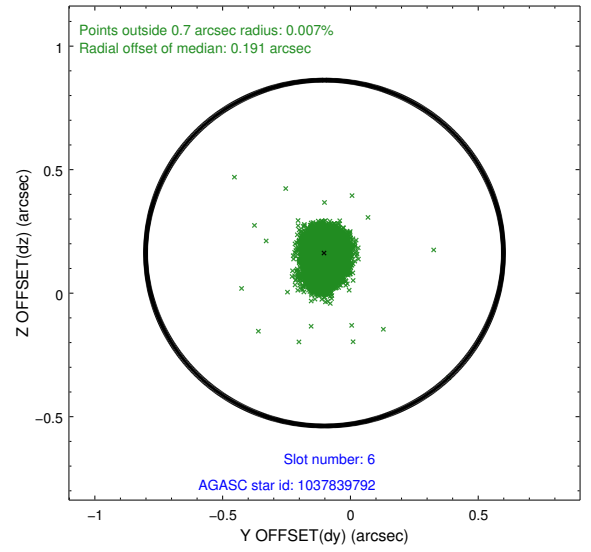
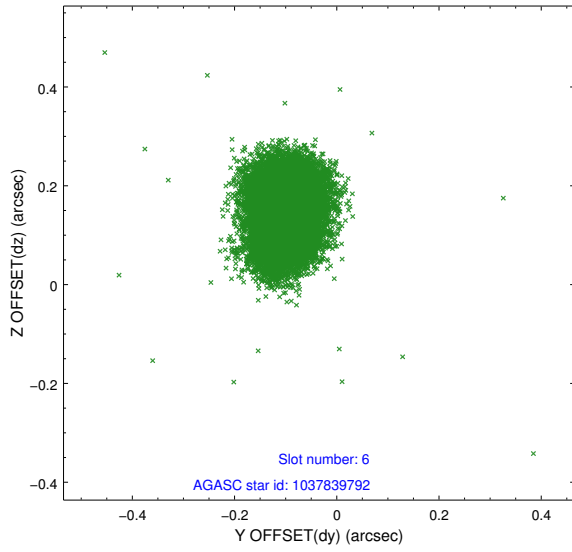
2.4.2 Slot 4



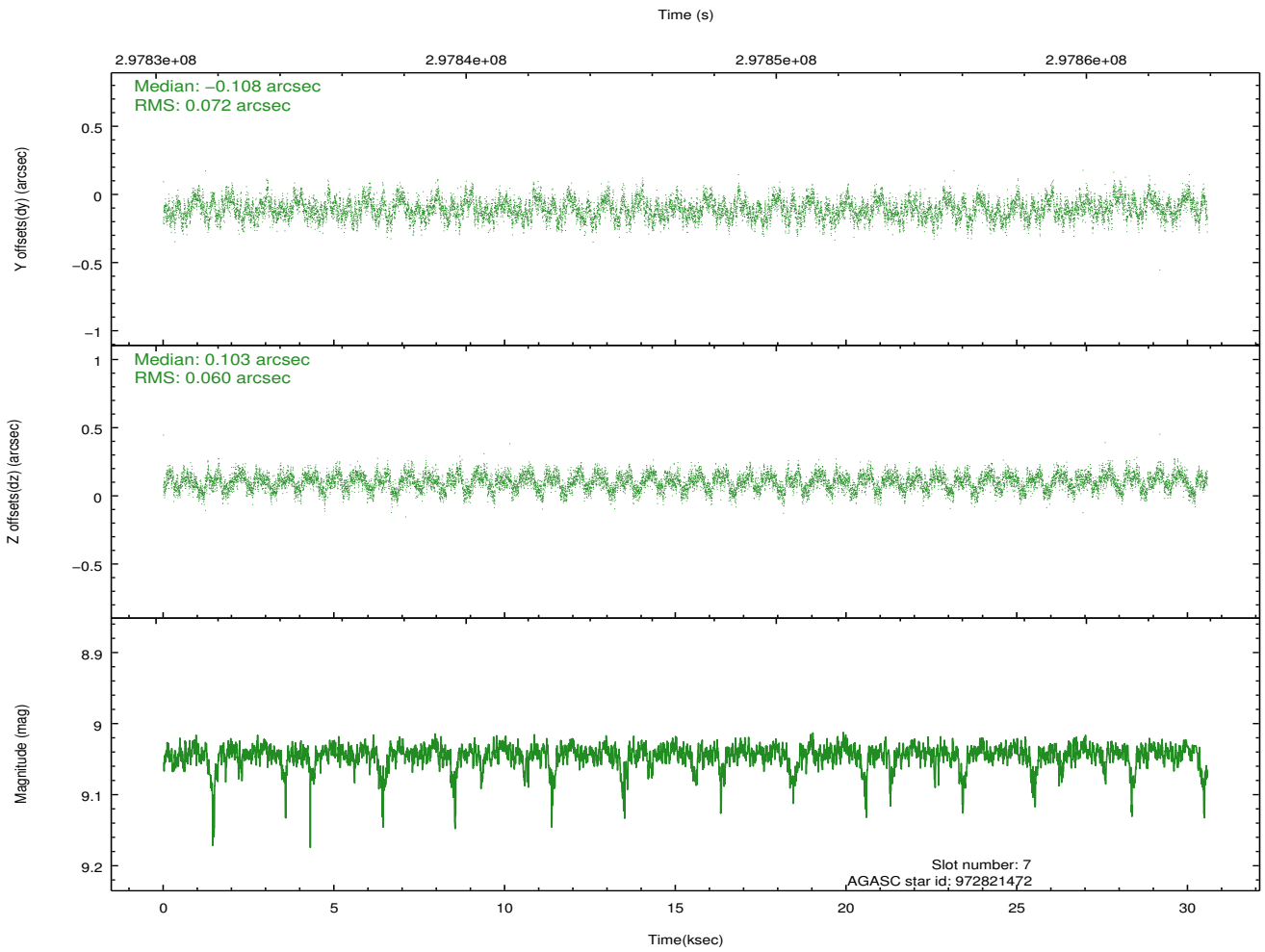
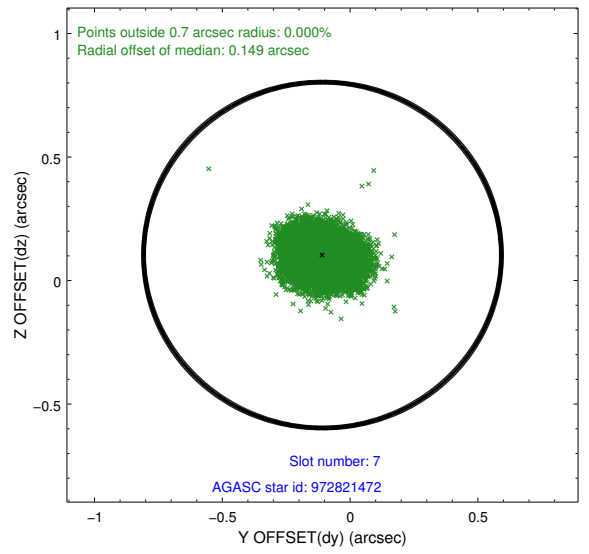
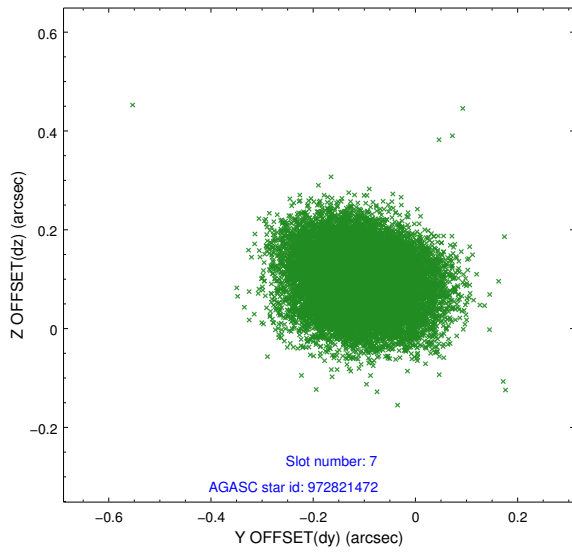
2.4.3 Slot 5



2.4.4 Slot 6

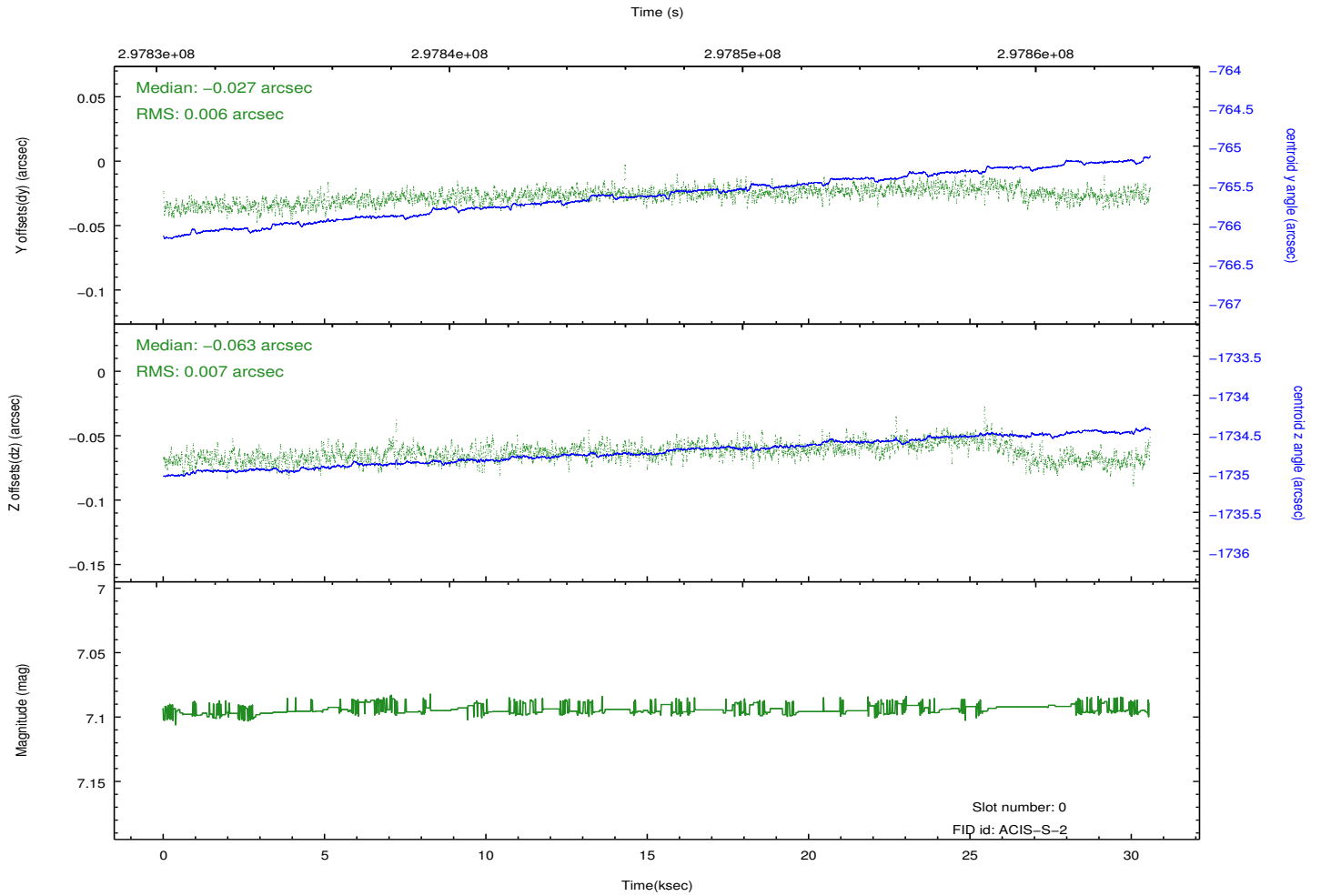
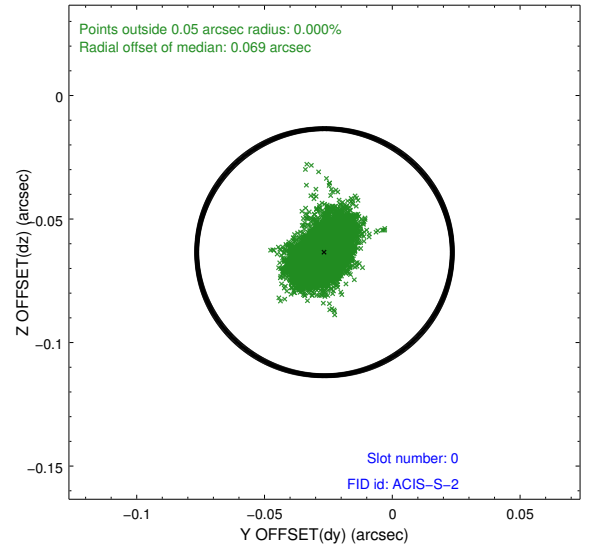
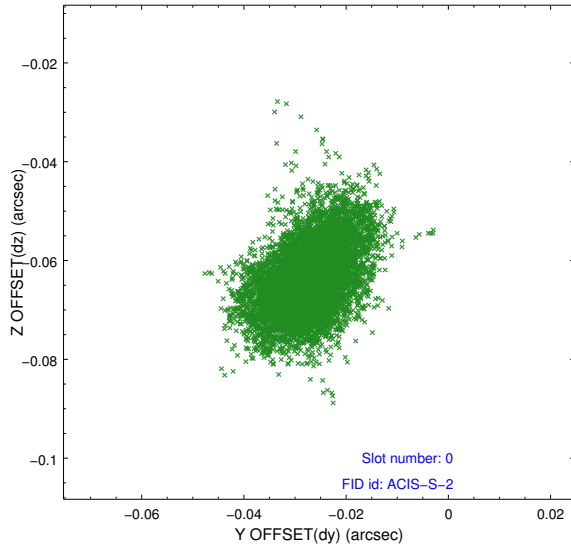


2.4.5 Slot 7

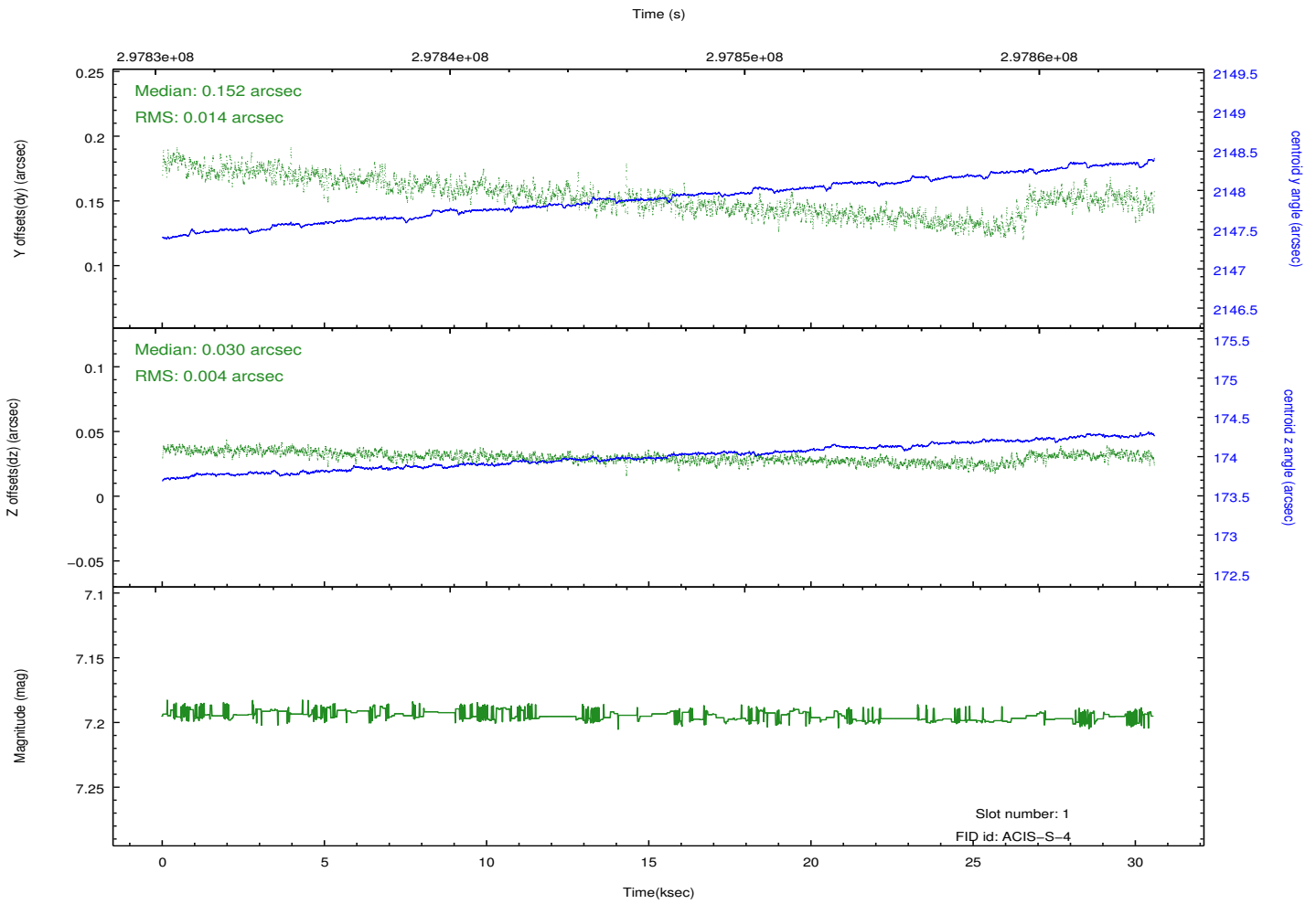
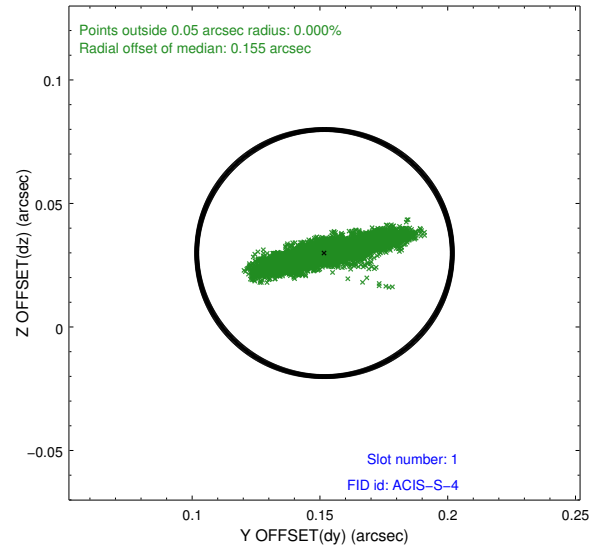
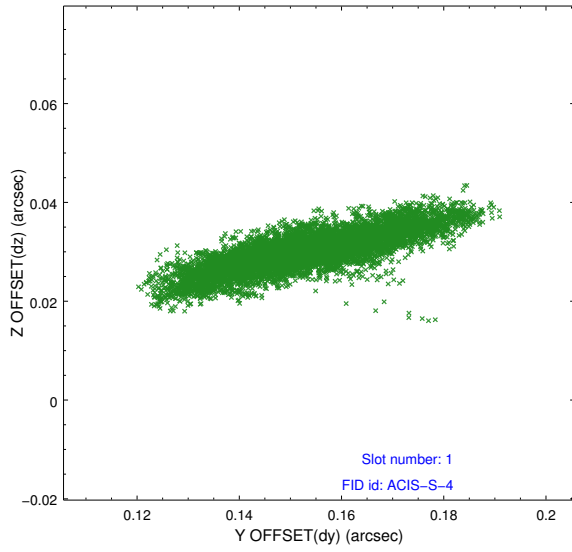


2.5 FID Slots

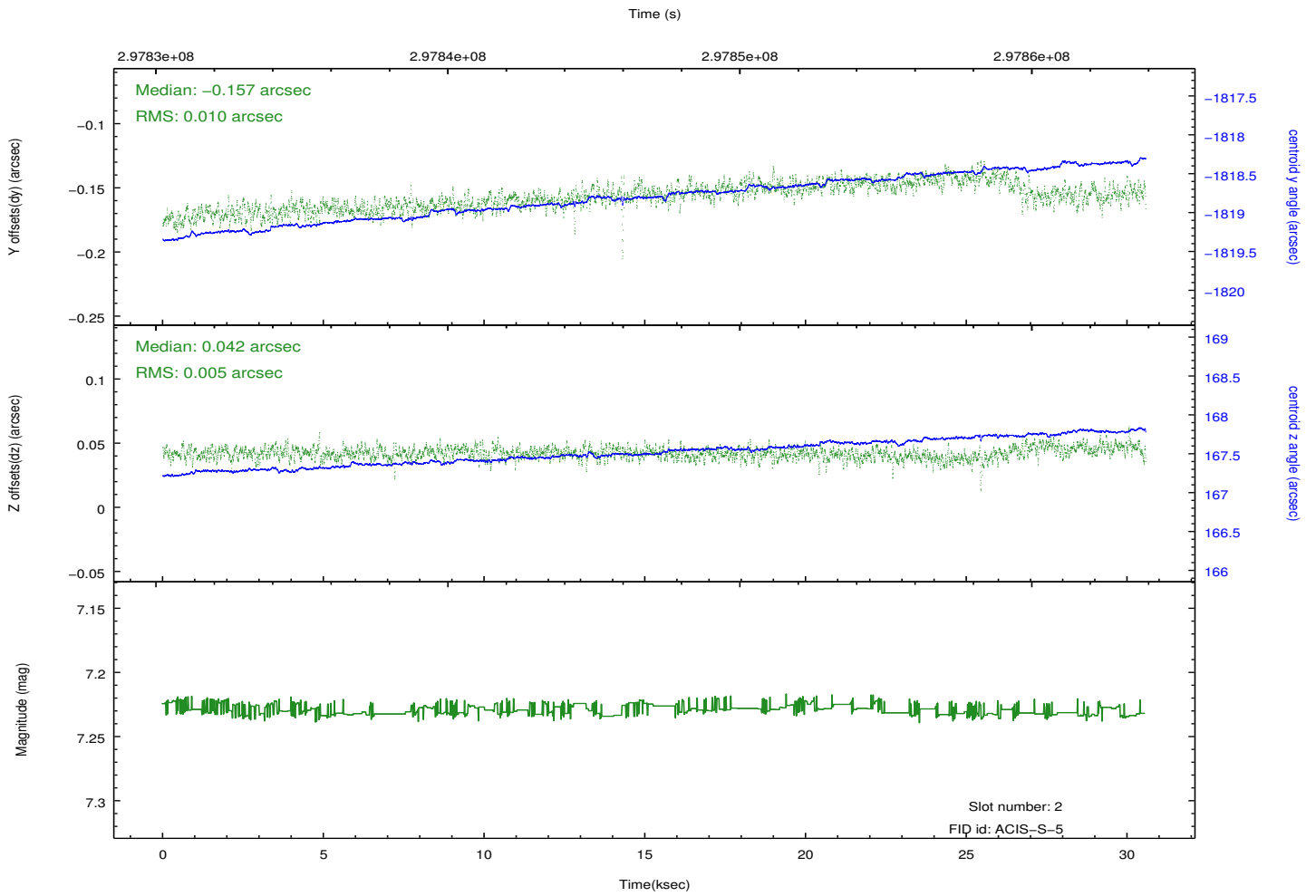
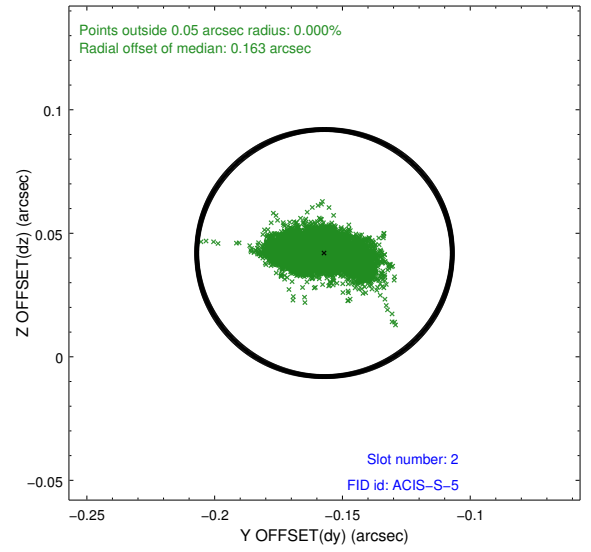
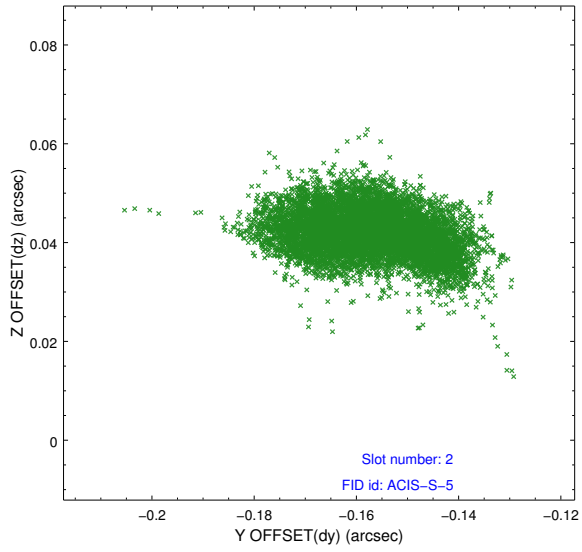
2.5.1 Slot 0



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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.0415998

A.2 Comments