

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7512 - L2 Version 2
Chandra X-Ray Center

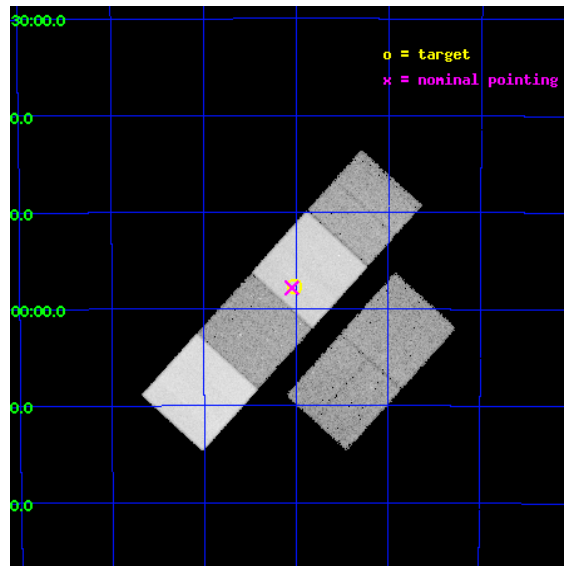
L2 Processing Date : Apr 27 2012

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1 Front

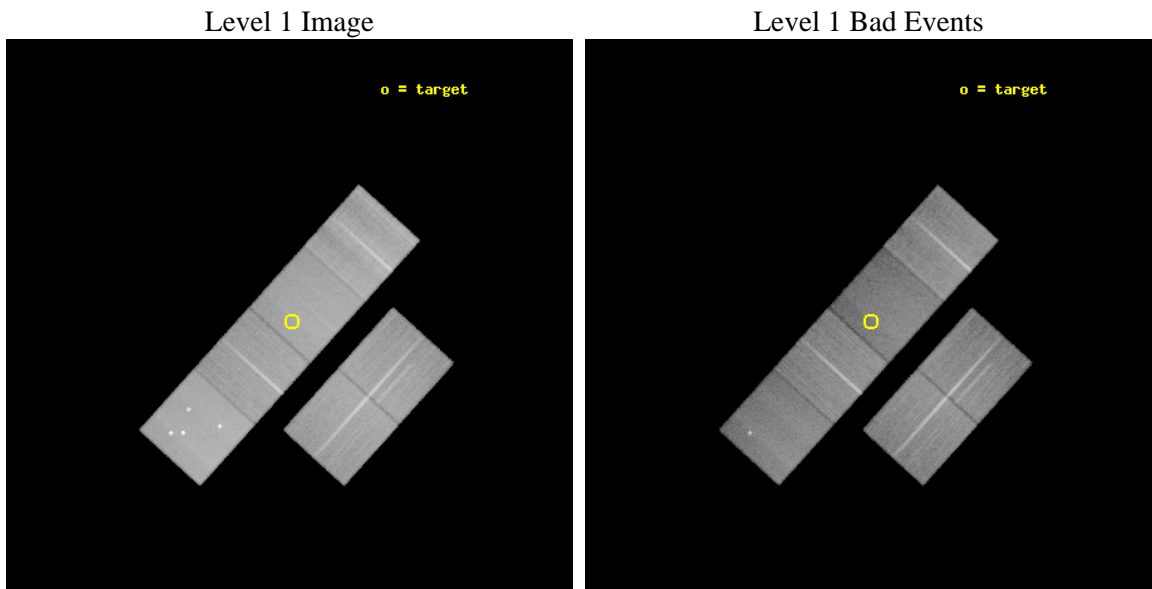
seq_num	400622	Sequence number
obs_id	7512	Observation id
title	X-raying the faintest black hole binaries	Proposal title
observer	Elena Gallo	Principal investigator
object	XTE J1650-500	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	252.504167	Observer's specified target RA [deg]
dec_targ	-49.9625	Observer's specified target Dec [deg]
ra_nom	252.51141502961	Nominal RA [deg]
dec_nom	-49.96385392619	Nominal Dec [deg]
roll_nom	312.13947804204	Nominal Roll [deg]
revision	2	Processing version of data
ontime	36111.903849363	Sum of GTIs [s]
livetime	35654.633178845	Livetime [s]
ontime2	36111.944889367	Sum of GTIs [s]
ontime3	36111.780729353	Sum of GTIs [s]
ontime5	36111.86280936	Sum of GTIs [s]
ontime6	36108.580799043	Sum of GTIs [s]
ontime7	36111.903849363	Sum of GTIs [s]
ontime8	36108.498738527	Sum of GTIs [s]
l2events	434585	Number of level 2 events



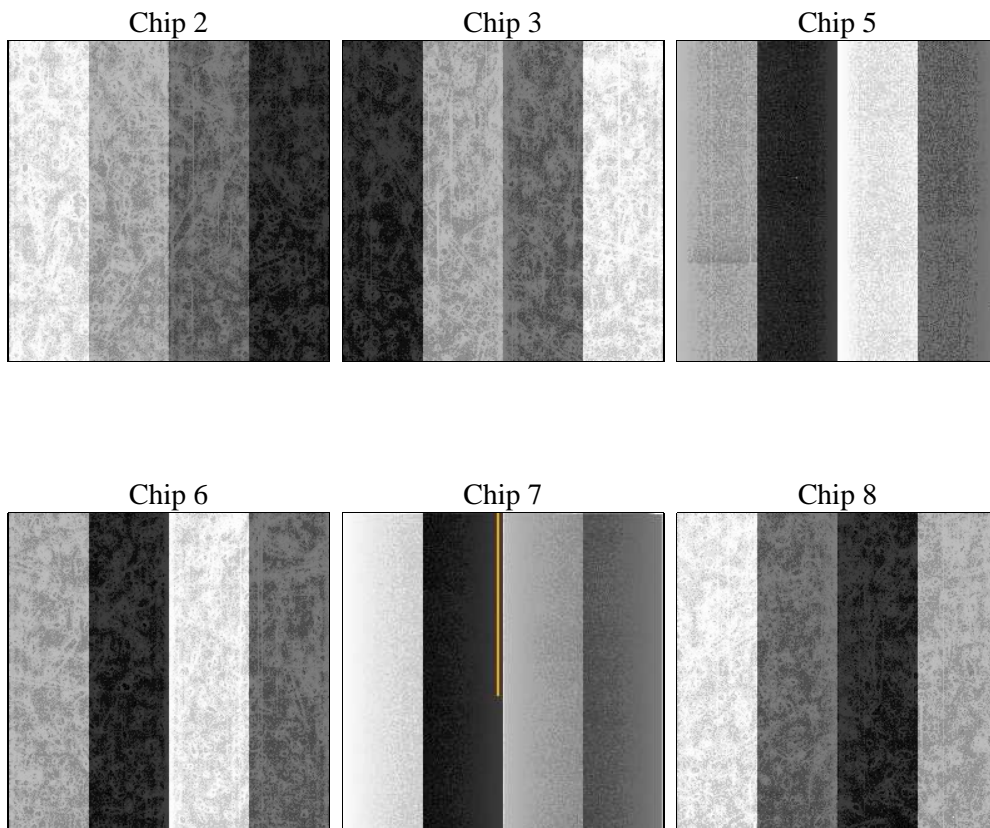
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	36111.903849363	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	36111.944889367	Sum of GTIs [s]
date	2012-04-27T14:00:12	Date and time of file creation	ontime3	36111.780729353	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	36111.86280936	Sum of GTIs [s]
			ontime6	36108.580799043	Sum of GTIs [s]
			ontime7	36111.903849363	Sum of GTIs [s]
			ontime8	36108.498738527	Sum of GTIs [s]
			l1events	1968943	Number of level 1 events

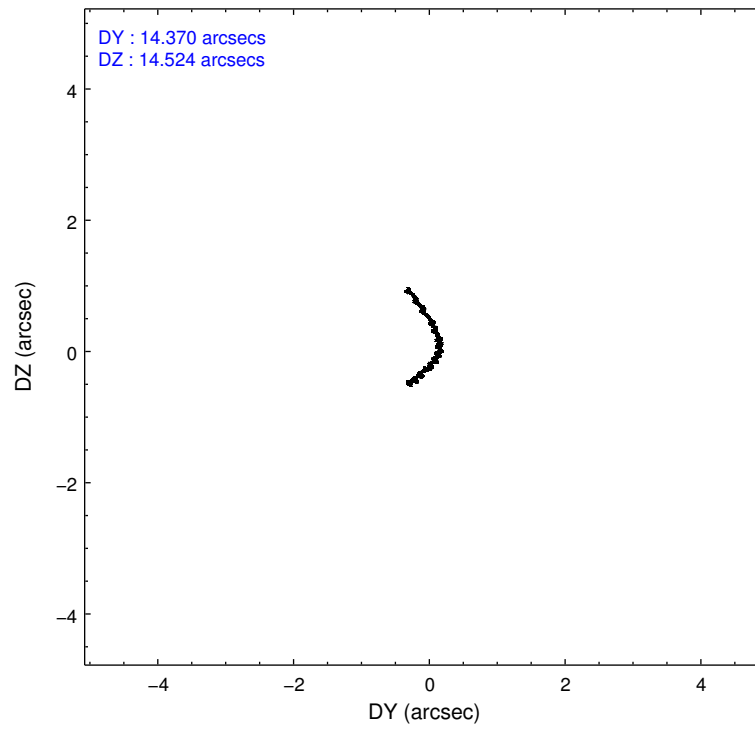
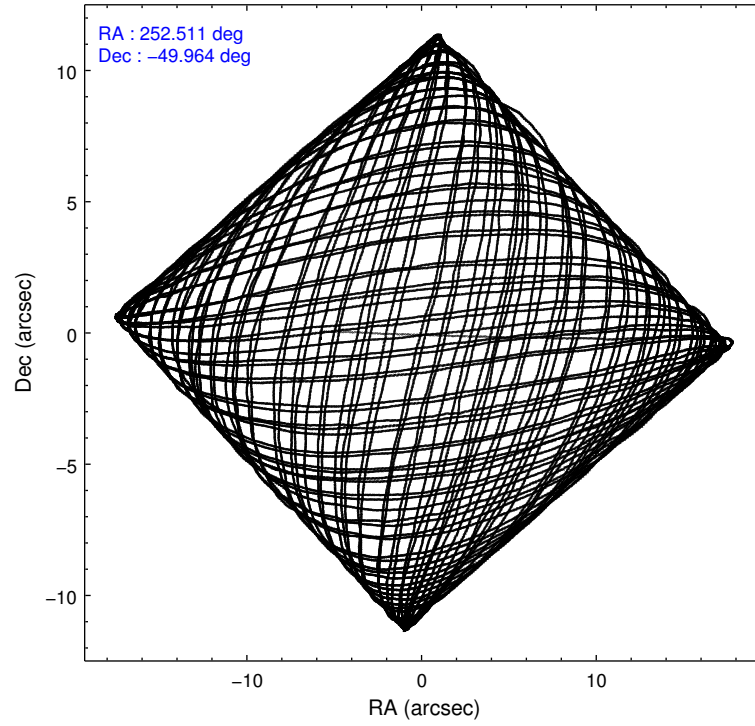
2.1.4 Events

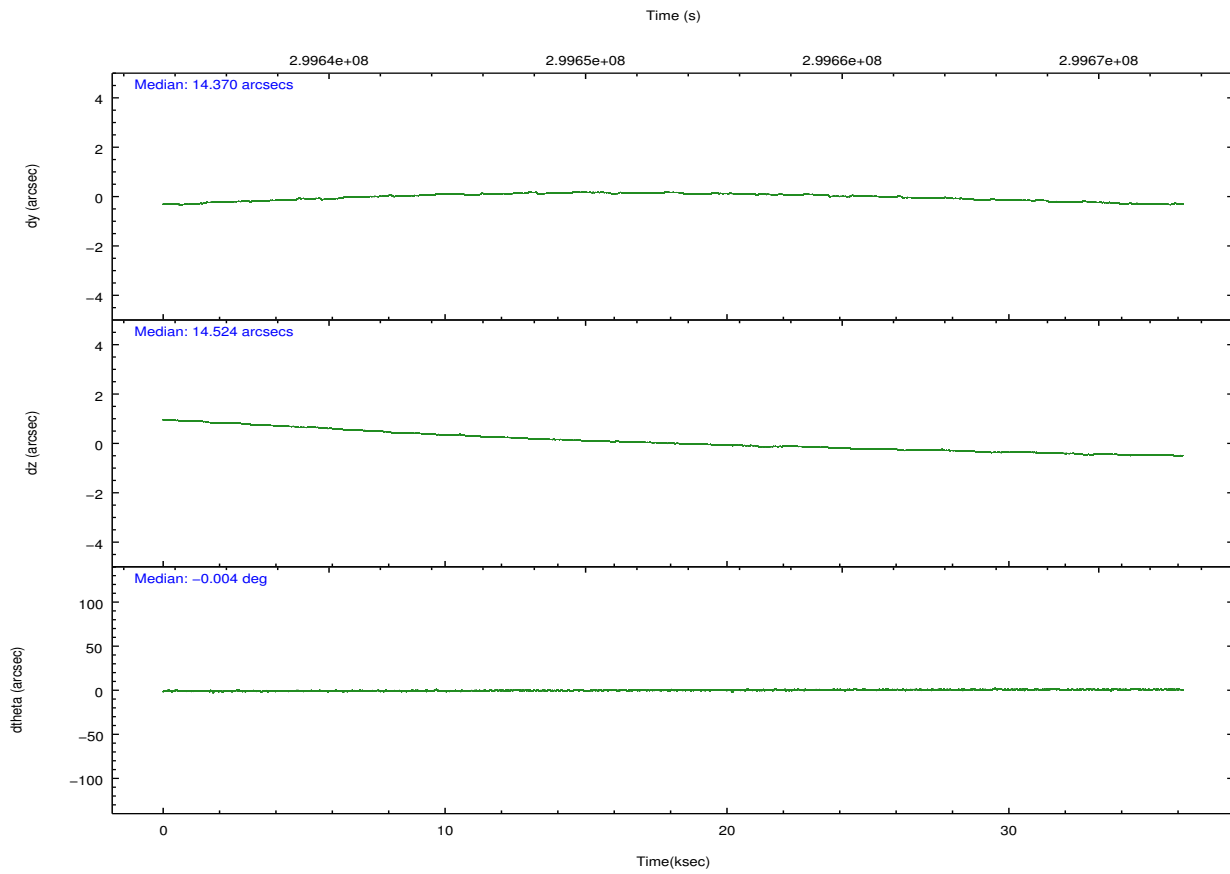
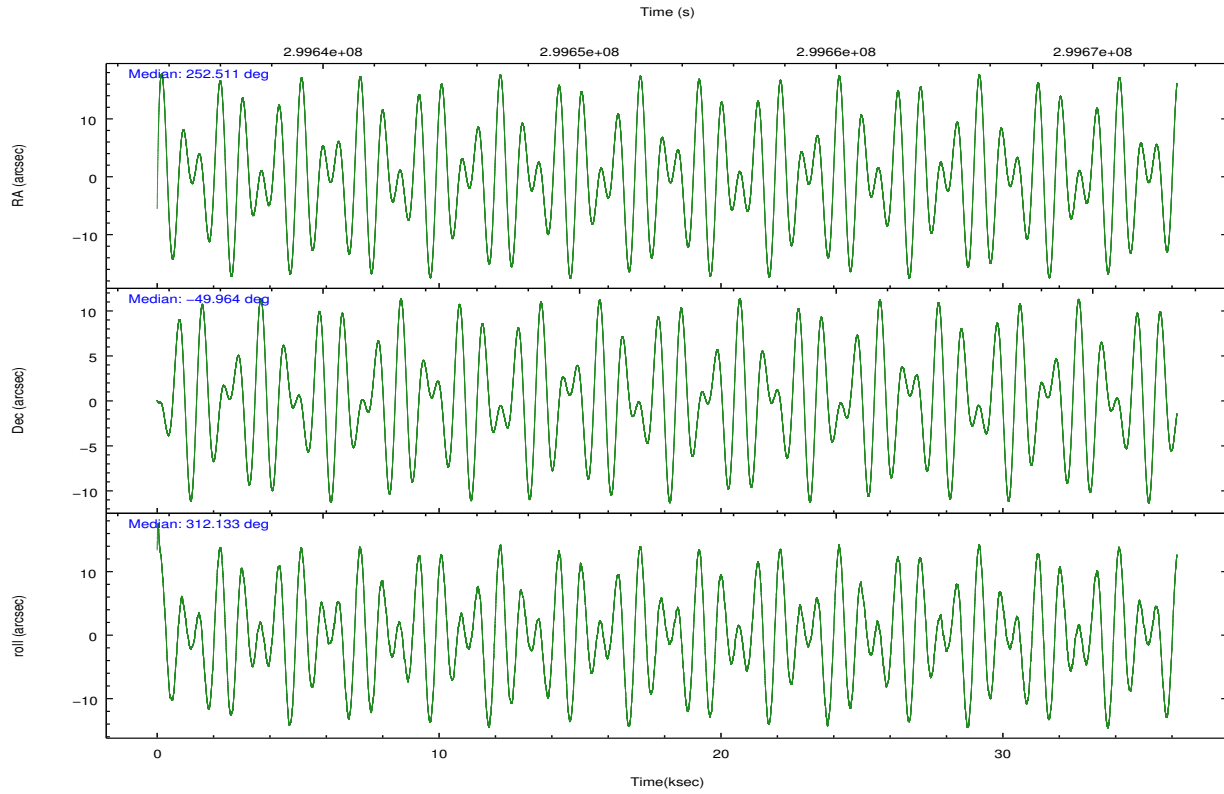
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	308710	280726	409135	288907	317168	364297	grade 0 events	10956	10030	33635	12088	14259	25709
rejected events	279817	253644	195829	257371	170597	275643		3%	3%	8%	4%	4%	7%
rejected %	90%	90%	47%	89%	53%	75%	grade 1 events	154	139	694	145	424	284
								0%	0%	0%	0%	0%	0%
							grade 2 events	6811	5726	60922	6607	29813	20678
								2%	2%	14%	2%	9%	5%
							grade 3 events	2936	3024	8648	3330	13627	9521
								0%	1%	2%	1%	4%	2%
							grade 4 events	3095	3125	8265	3255	13478	8766
								1%	1%	2%	1%	4%	2%
							grade 5 events	9429	11035	31065	11325	33446	16371
								3%	3%	7%	3%	10%	4%
							grade 6 events	5100	5181	101869	6259	75419	23985
								1%	1%	24%	2%	23%	6%
							grade 7 events	270229	242466	164037	245898	136702	258983
								87%	86%	40%	85%	43%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	252.470775	252.5114150296137	Subarray requested	NONE	NONE
[deg] Pointing Dec	-49.955819	-49.9638539261898	Alternating exposures requested	N	N
[deg] Pointing Roll	311.951729	312.1394780420366	[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)	299635501.184000	299634459.46229			
Observation start date	2007-07-01T00:03:56	2007-06-30T23:47:39			
[s] Observation end time (MET)	299671501.184000	299672965.63913			
Observation end date	2007-07-01T10:03:56	2007-07-01T10:29:25			
Read mode	TIMED	TIMED			

2.3 Aspect



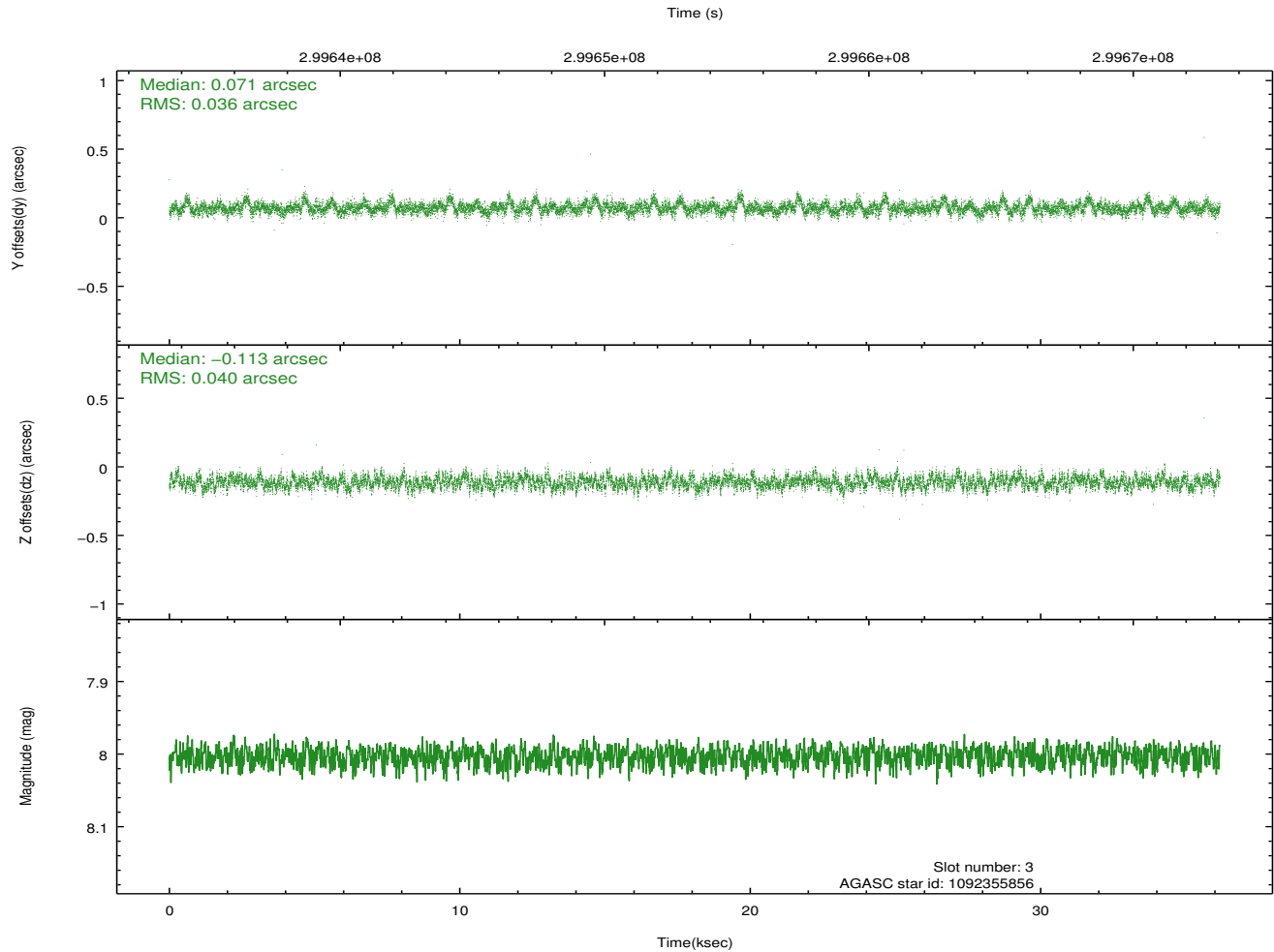
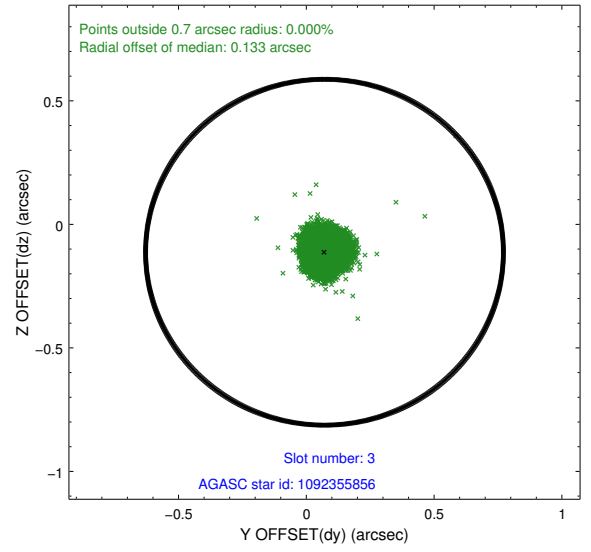
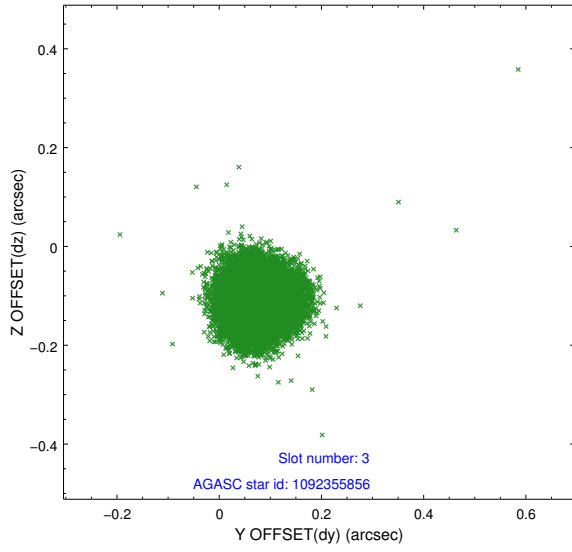


Slot Statistics

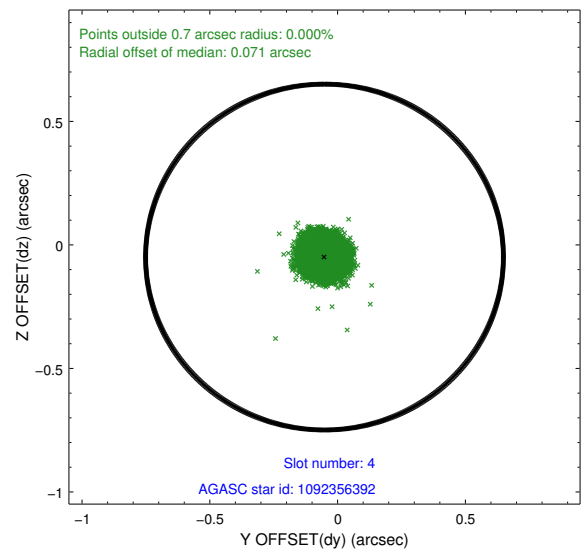
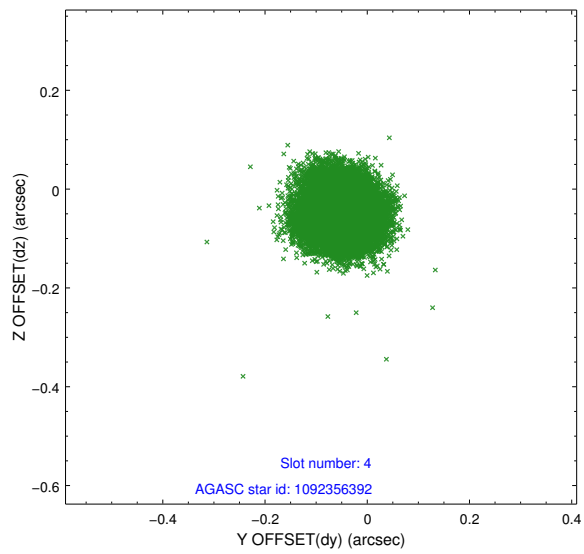
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	8823	-0.084	-0.052	0.015	0.027	0.000000	0.000000	-767.36	-1736.03
1	FID	ACIS-S-4	7.19	8823	0.216	0.054	0.009	0.015	0.000000	0.000000	2146.19	172.53
2	FID	ACIS-S-5	7.22	8822	-0.164	0.004	0.013	0.019	0.000000	0.000000	-1820.25	166.18
3	GUIDE	1092355856	8.00	17636	0.071	-0.113	0.057	0.091	252.380362	-50.402230	1057.13	-1228.68
4	GUIDE	1092356392	8.26	17645	-0.051	-0.049	0.057	0.092	252.320454	-49.578691	-1243.77	646.22
5	GUIDE	1092358104	7.33	17646	-0.128	-0.128	0.058	0.089	252.987980	-50.029421	999.81	709.60
6	GUIDE	1092359864	8.91	17636	-0.038	0.100	0.071	0.116	252.576059	-50.620094	1939.90	-1419.56
7	GUIDE	1092359992	9.43	17624	0.144	0.196	0.123	0.193	251.557386	-49.813189	-1790.01	-1243.58

2.4 Star Slots

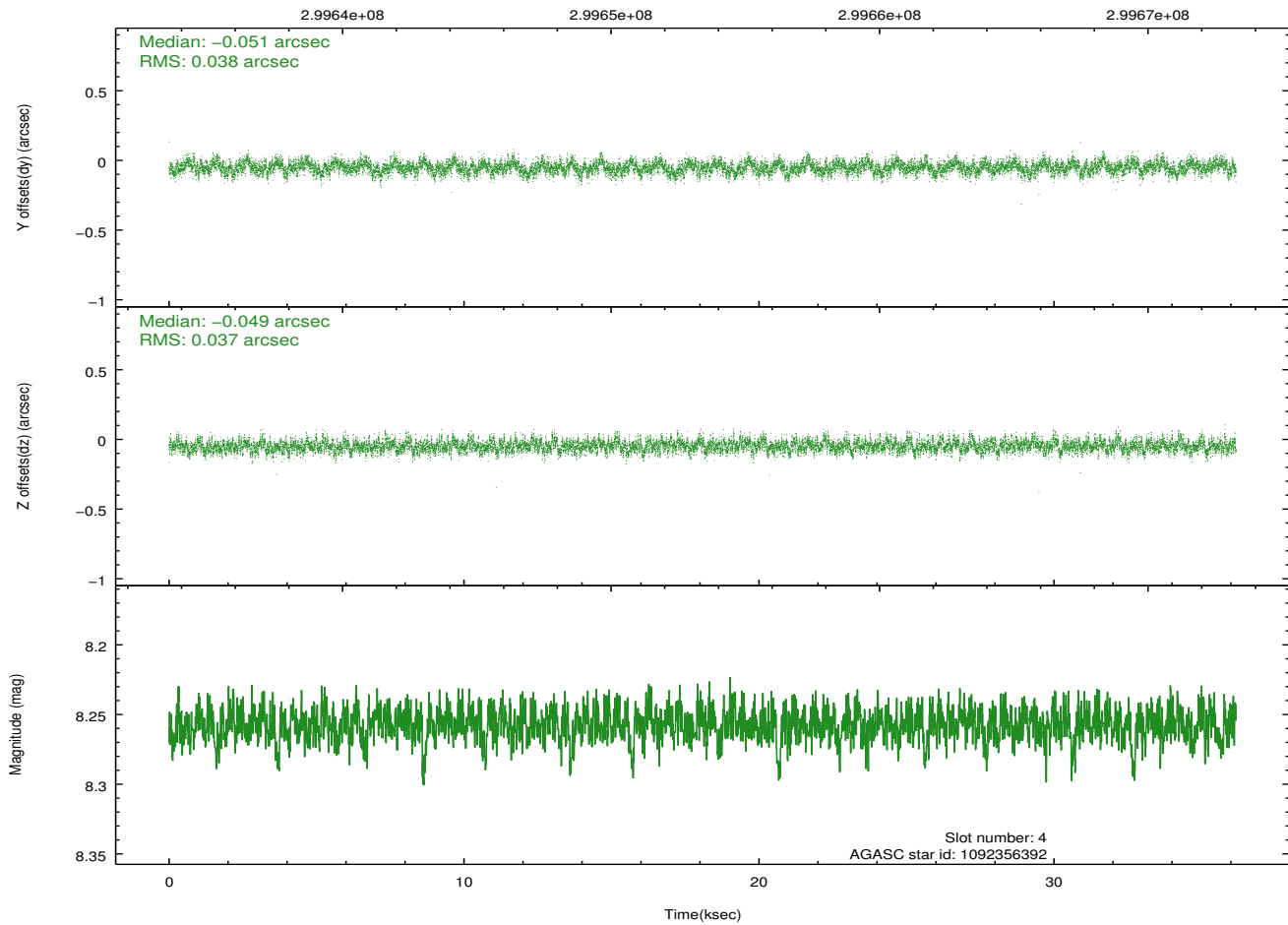
2.4.1 Slot 3



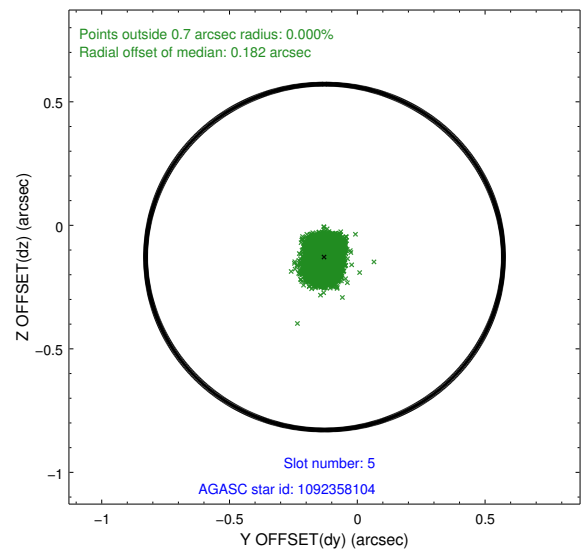
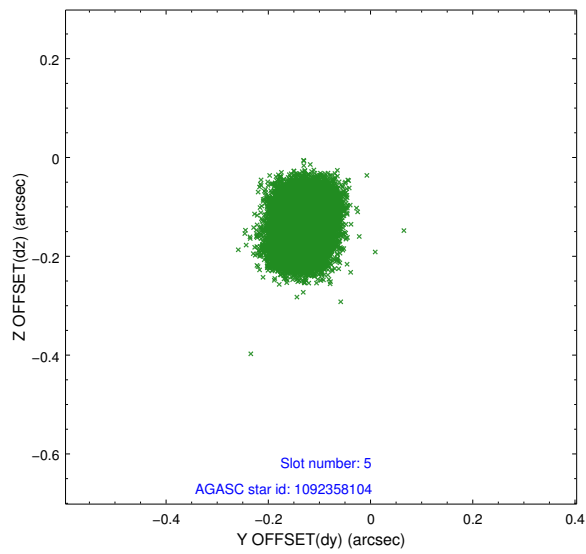
2.4.2 Slot 4



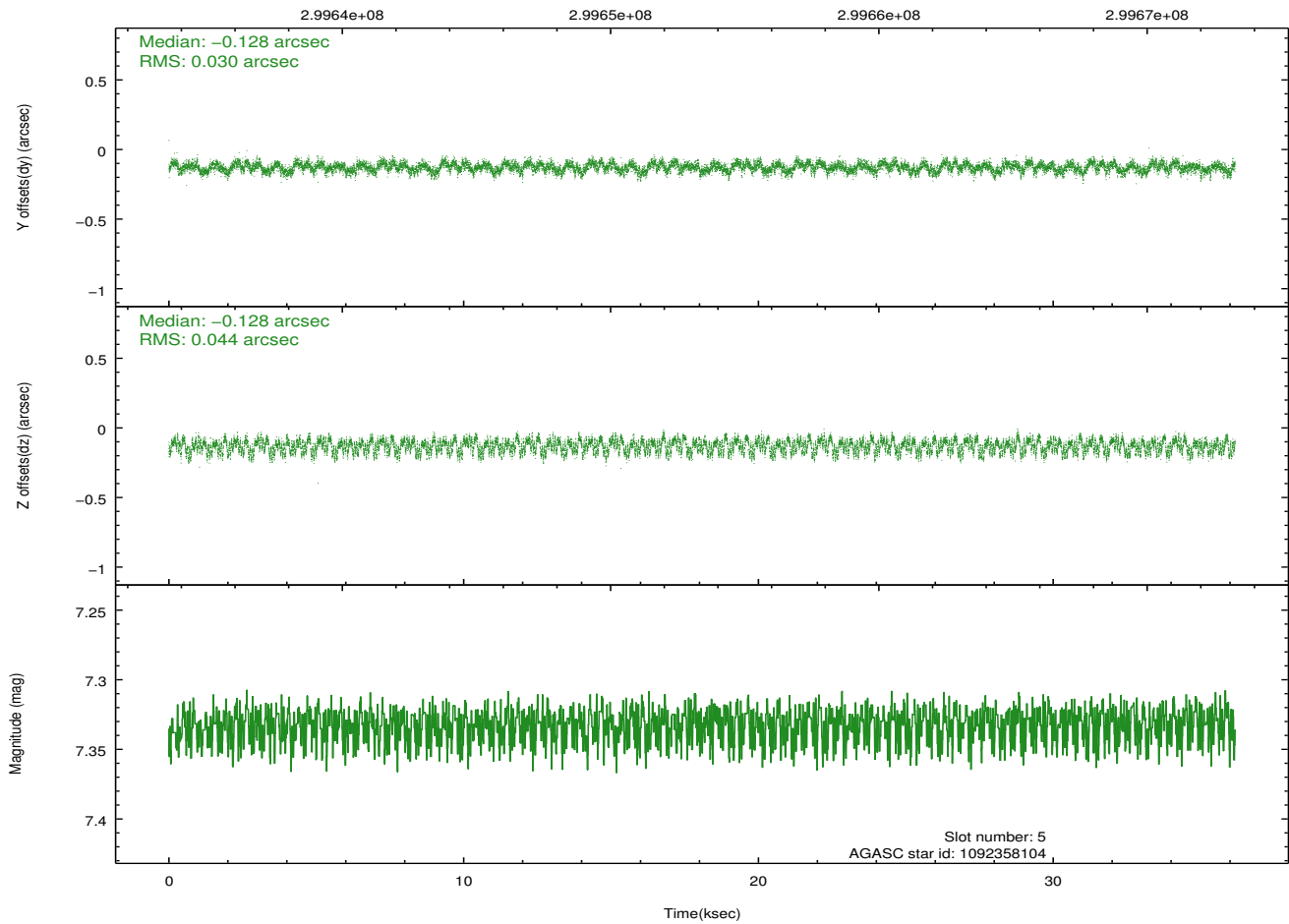
Time (s)



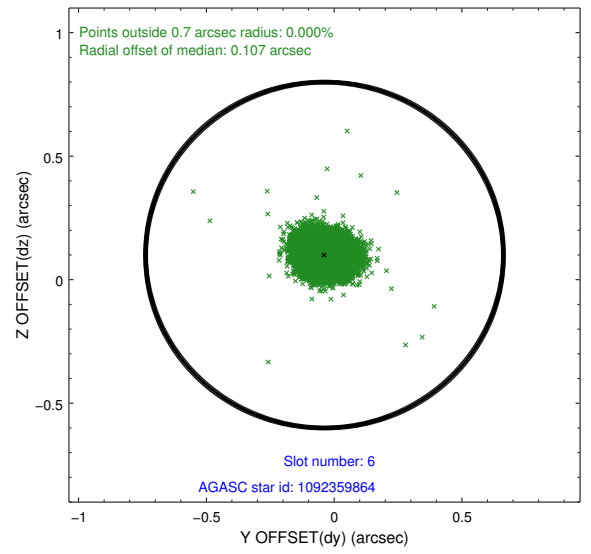
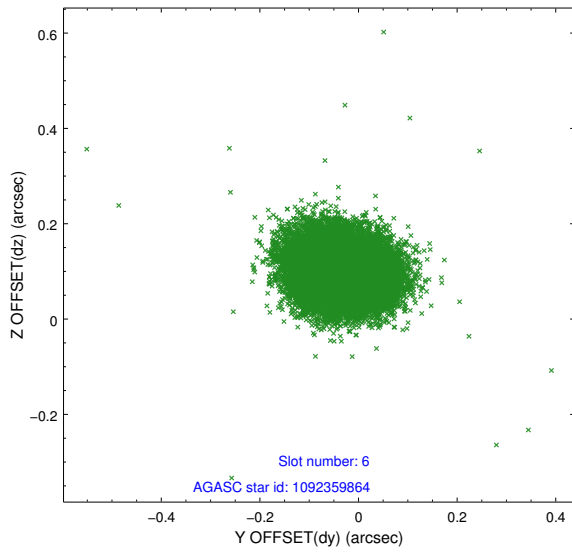
2.4.3 Slot 5



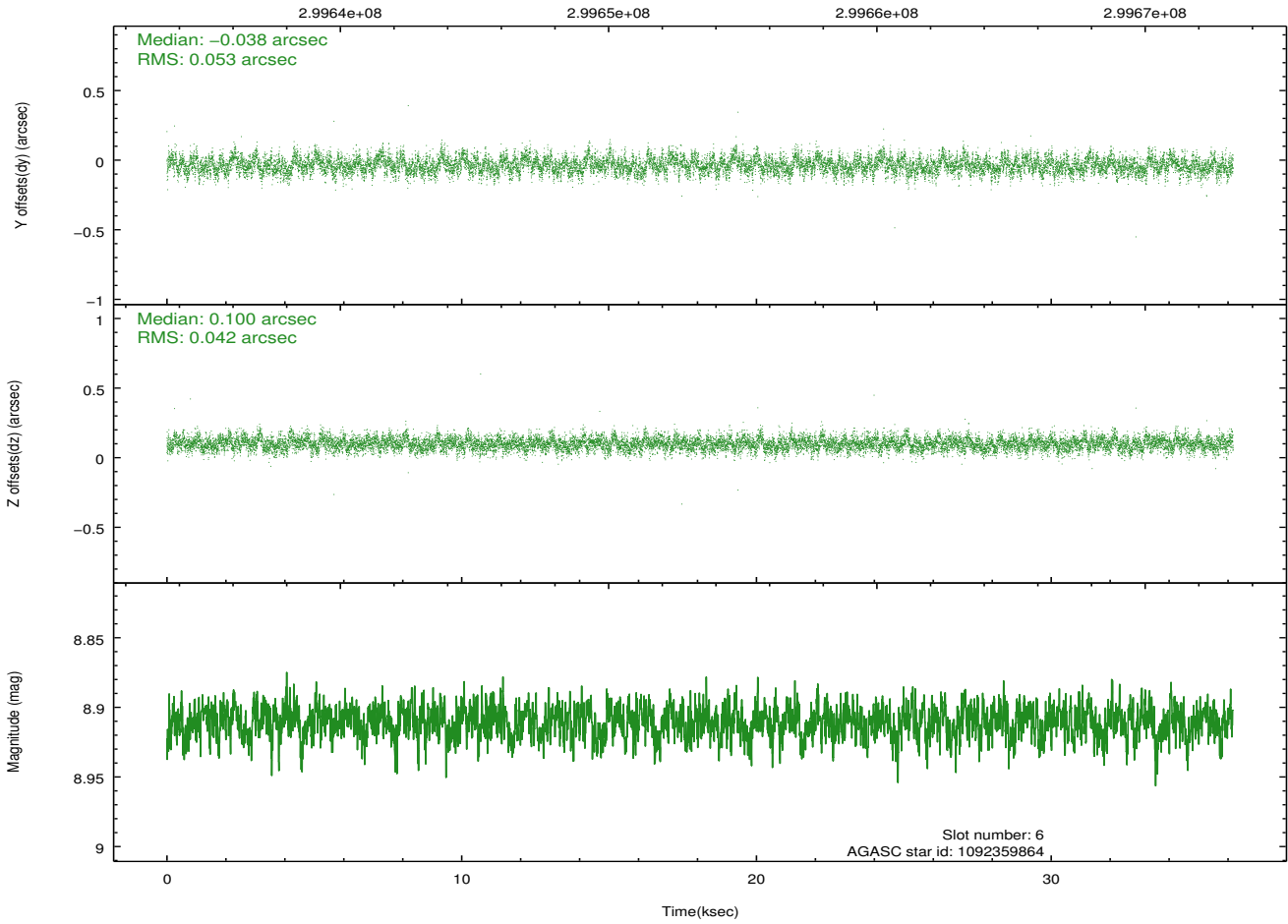
Time (s)



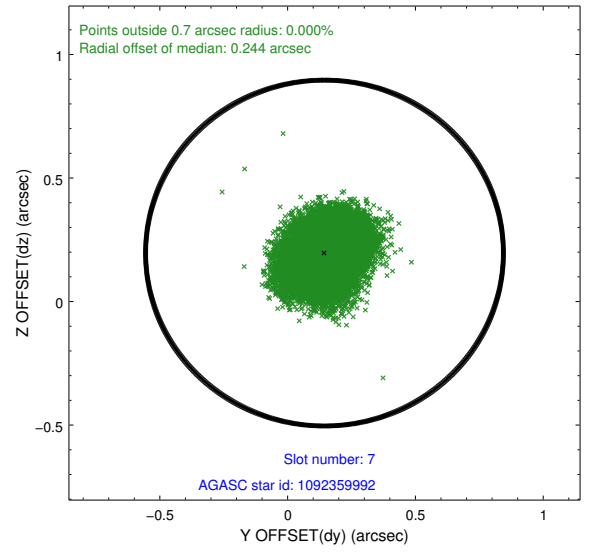
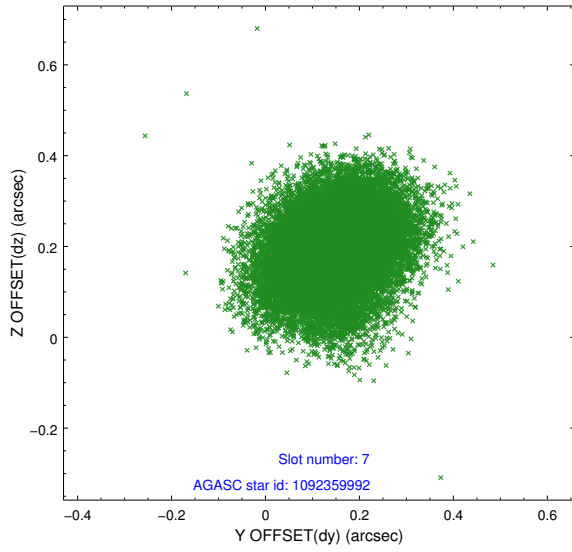
2.4.4 Slot 6



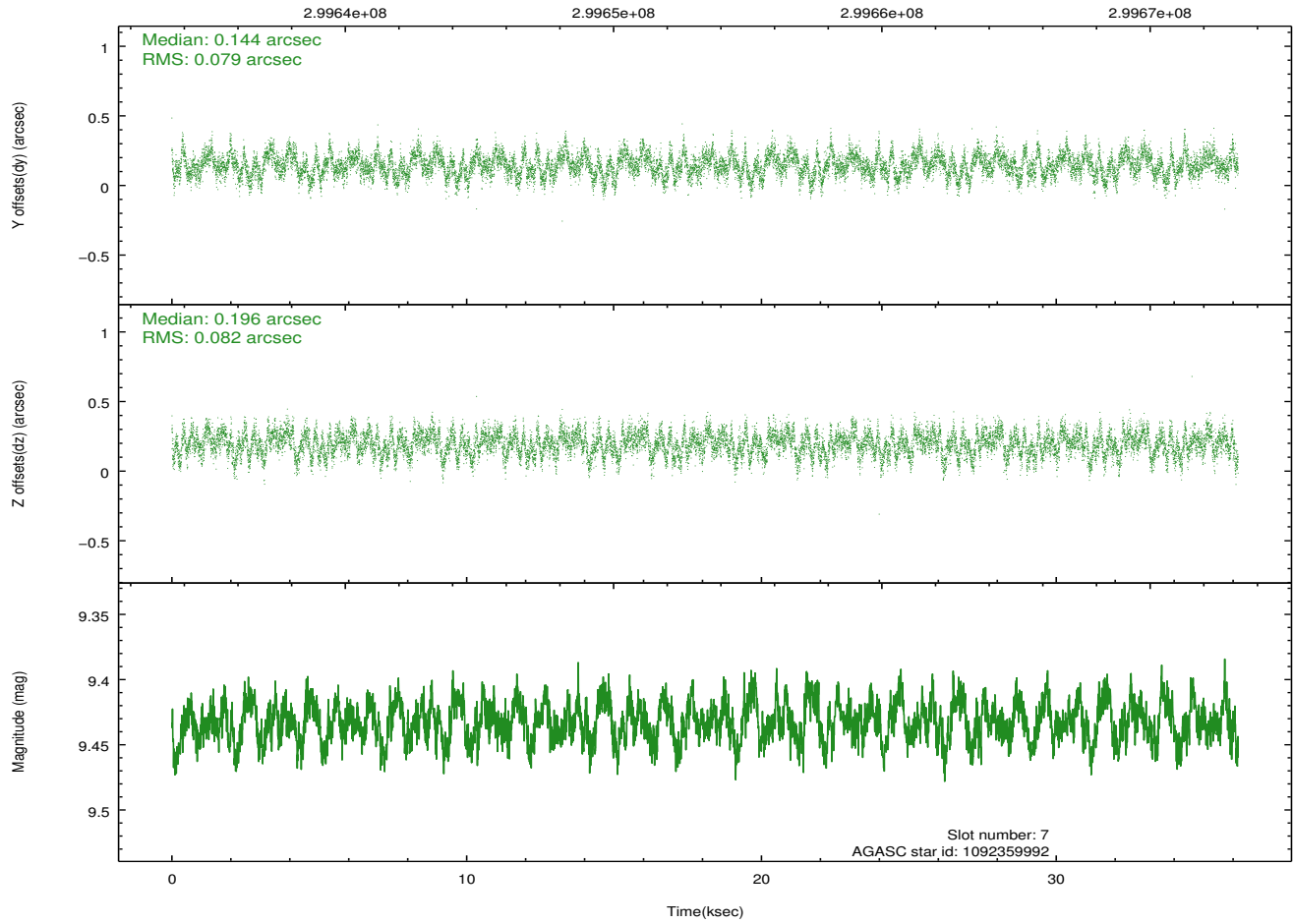
Time (s)



2.4.5 Slot 7

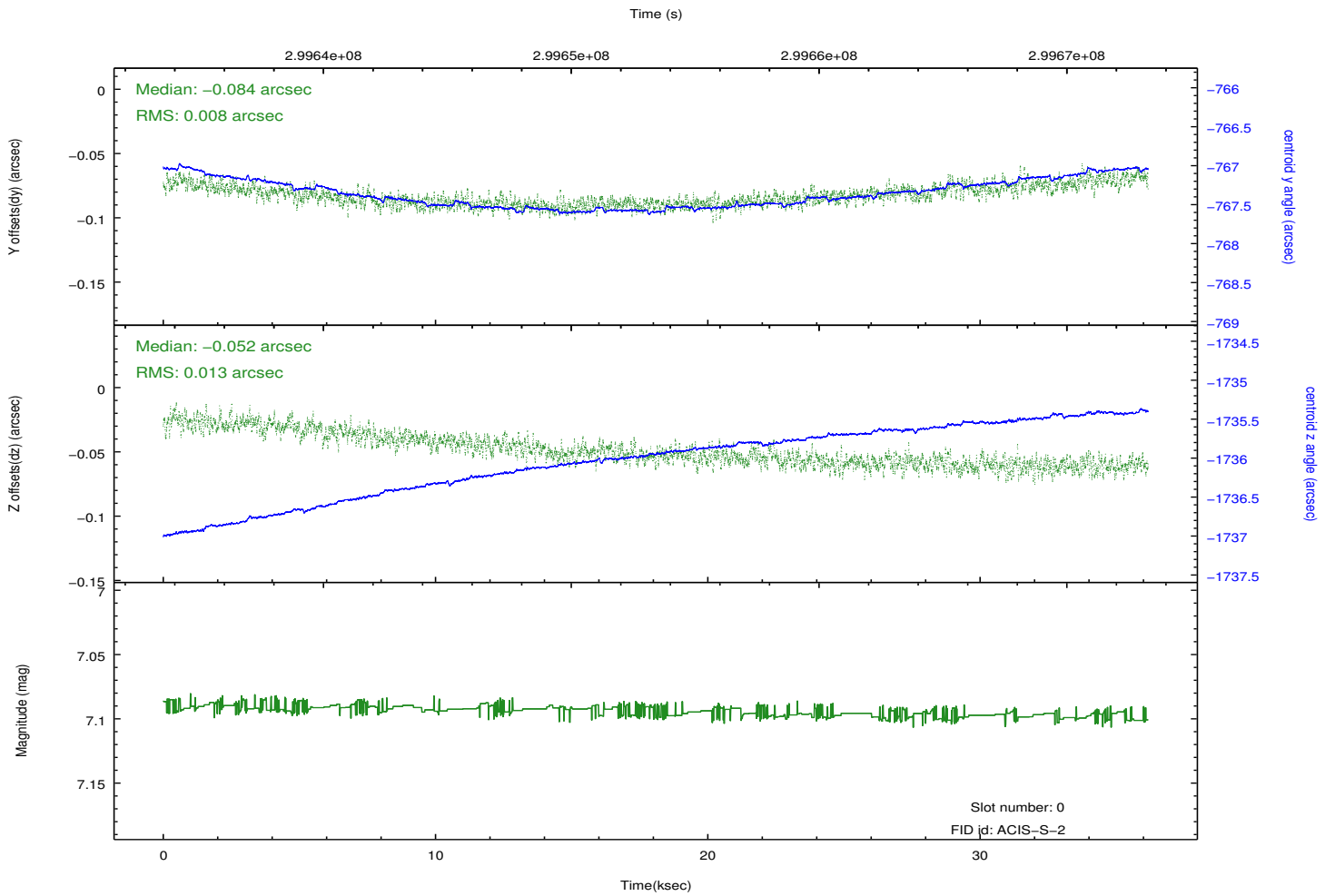
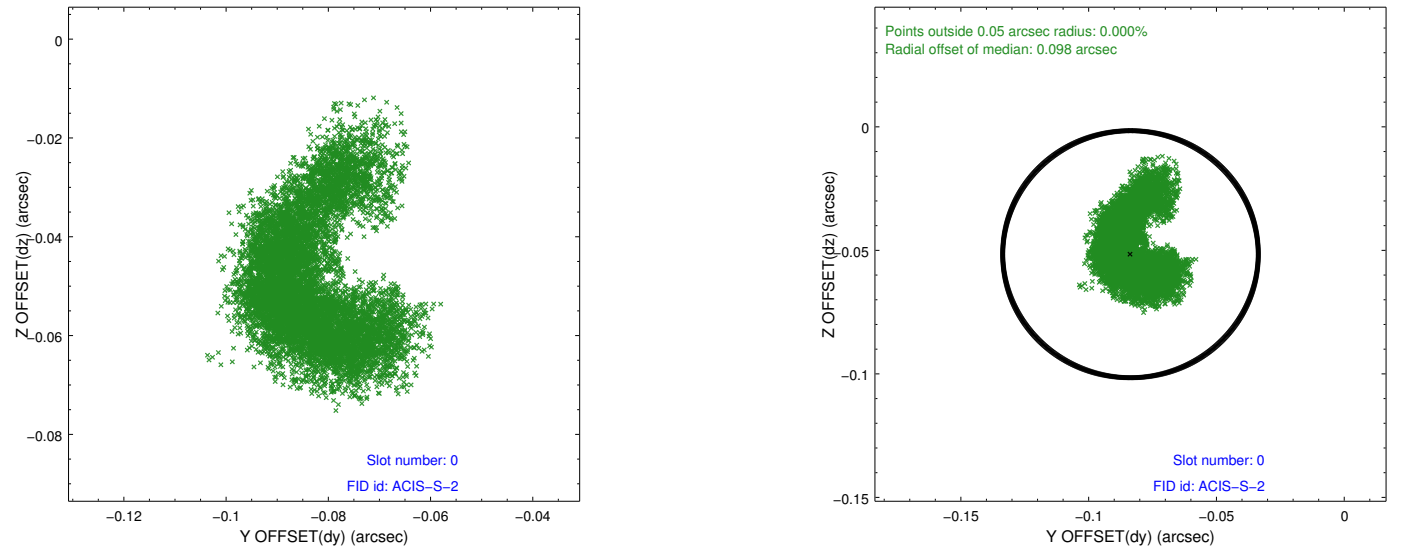


Time (s)

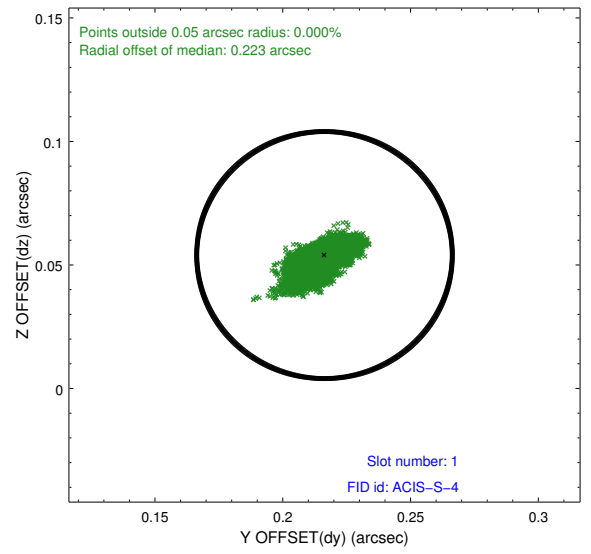
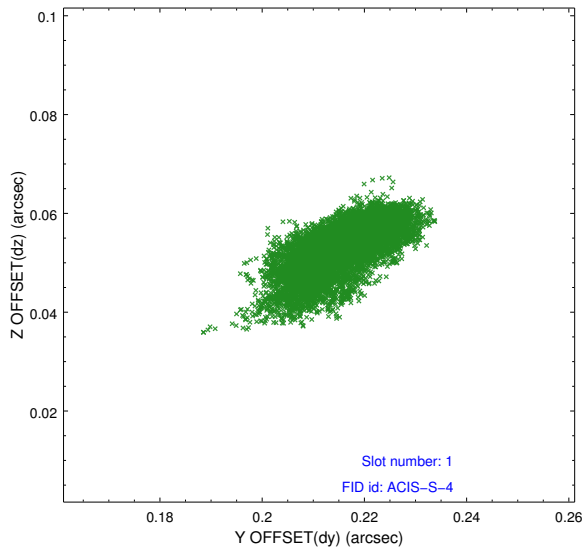


2.5 FID Slots

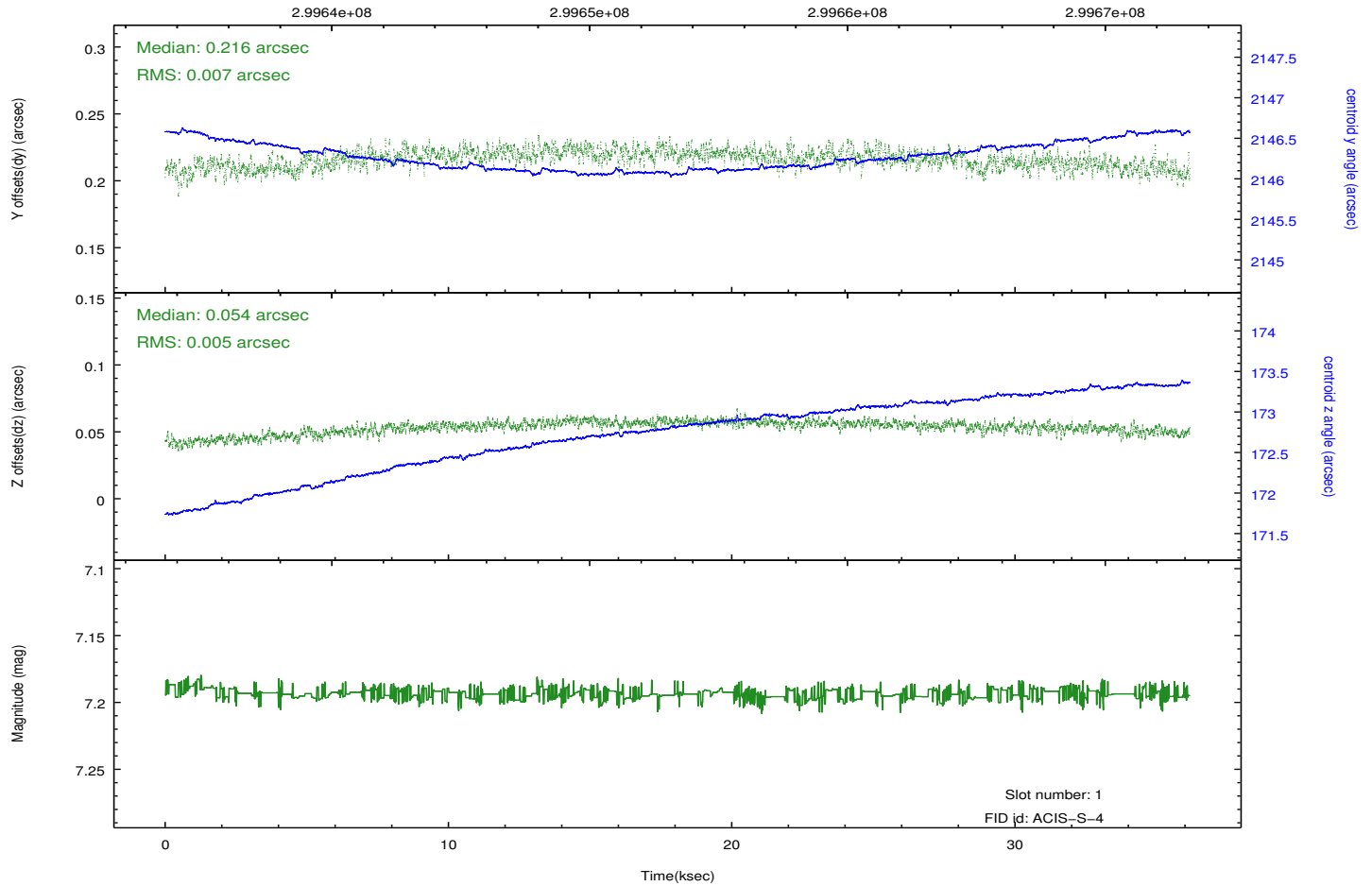
2.5.1 Slot 0



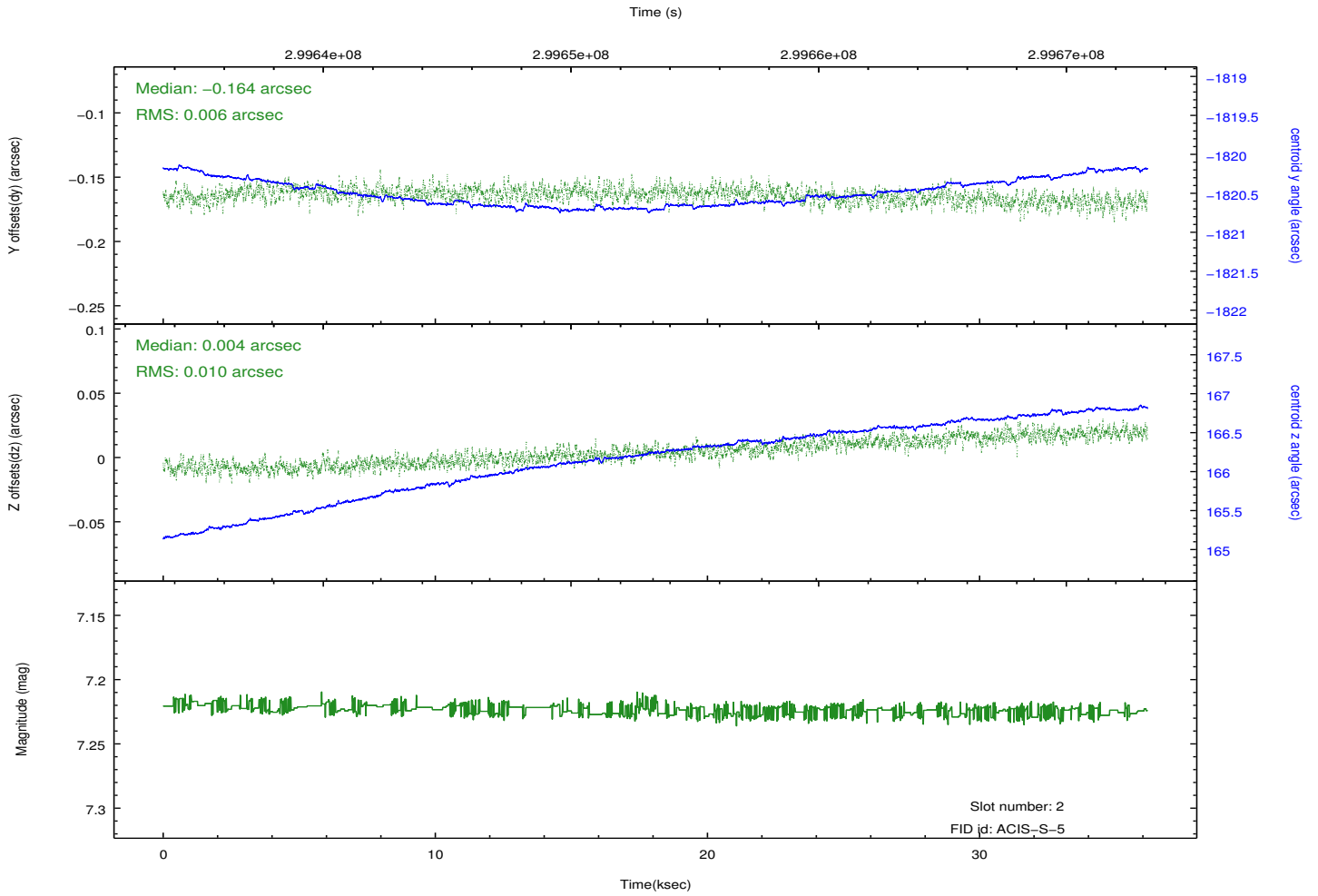
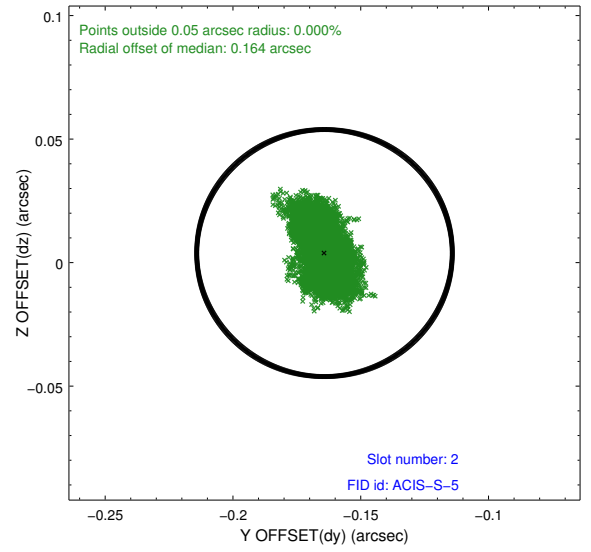
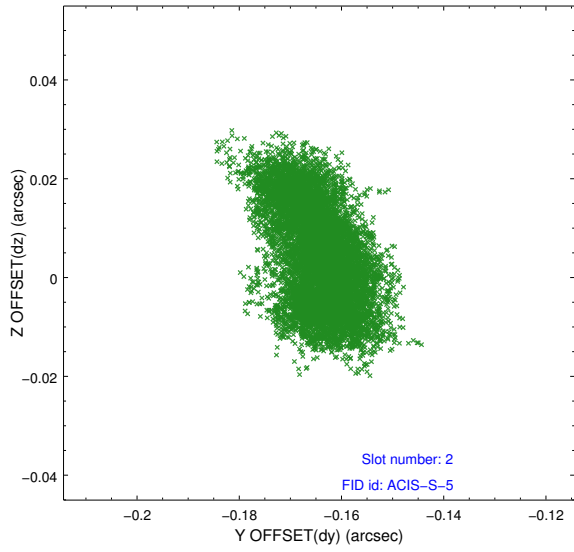
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.1119998

A.2 Comments