

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1960 - L2 Version 5
Chandra X-Ray Center

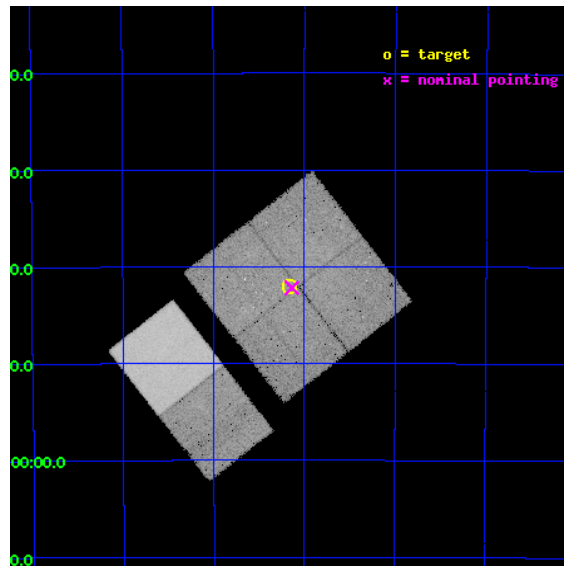
L2 Processing Date : Sep 26 2012

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1 Front

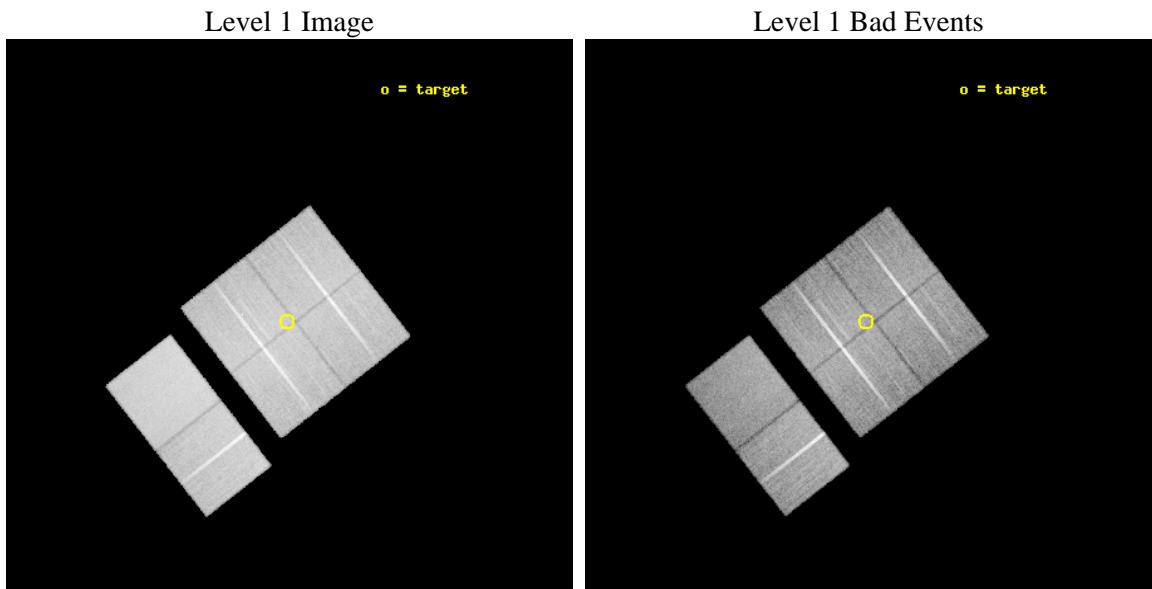
seq_num	500137	Sequence number
obs_id	1960	Observation id
title	A STUDY OF LESSER KNOWN GALACTIC SUPERNOVA REMNANTS	Proposal title
observer	Dr. Jacco Vink	Principal investigator
object	G332.+0.1	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	243.790833	Observer's specified target RA [deg]
dec_targ	-50.700833	Observer's specified target Dec [deg]
ra_nom	243.78432233933	Nominal RA [deg]
dec_nom	-50.703126905805	Nominal Dec [deg]
roll_nom	232.0175633982	Nominal Roll [deg]
revision	5	Processing version of data
ontime	29945.559077621	Sum of GTIs [s]
livetime	29566.370377529	Livetime [s]
ontime0	29948.800027877	Sum of GTIs [s]
ontime1	29948.800027877	Sum of GTIs [s]
ontime2	29948.800027877	Sum of GTIs [s]
ontime3	29945.559077621	Sum of GTIs [s]
ontime6	29945.559067637	Sum of GTIs [s]
ontime7	29948.800027877	Sum of GTIs [s]
l2events	236218	Number of level 2 events



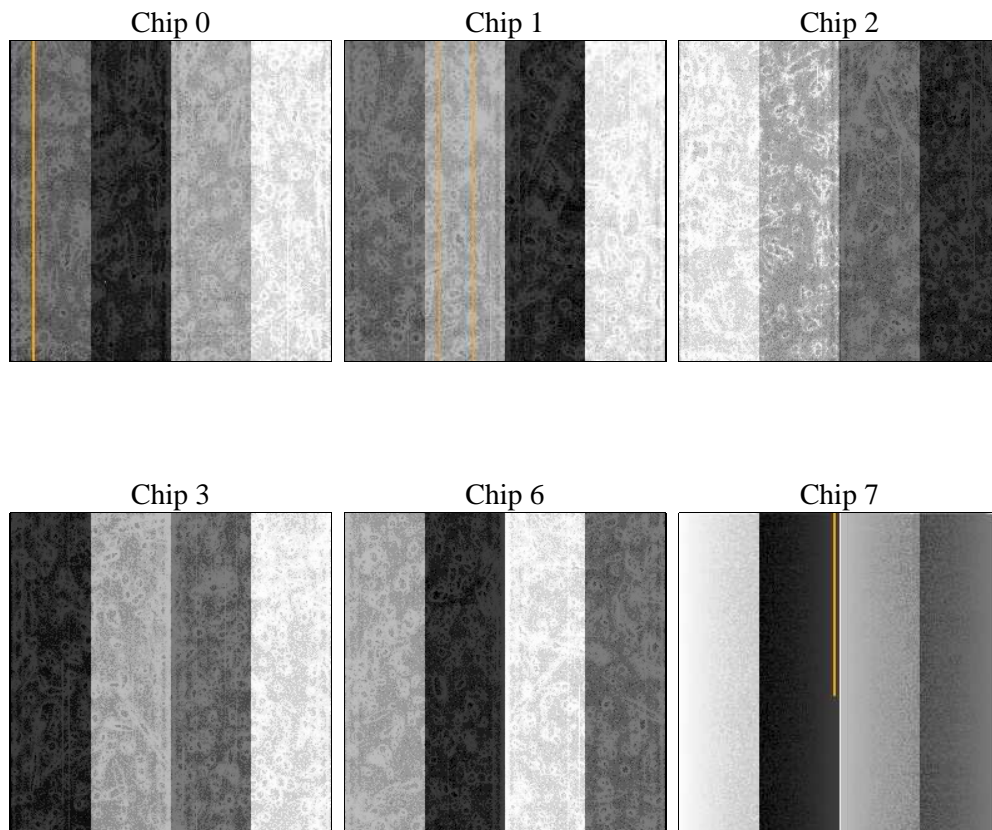
2 OBI

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	8.4.5	Processing system revision	ontime	29945.559077621	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	29948.800027877	Sum of GTIs [s]
date	2012-09-26T10:09:58	Date and time of file creation	ontime1	29948.800027877	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	29948.800027877	Sum of GTIs [s]
			ontime3	29945.559077621	Sum of GTIs [s]
			ontime6	29945.559067637	Sum of GTIs [s]
			ontime7	29948.800027877	Sum of GTIs [s]
			l1events	1251375	Number of level 1 events

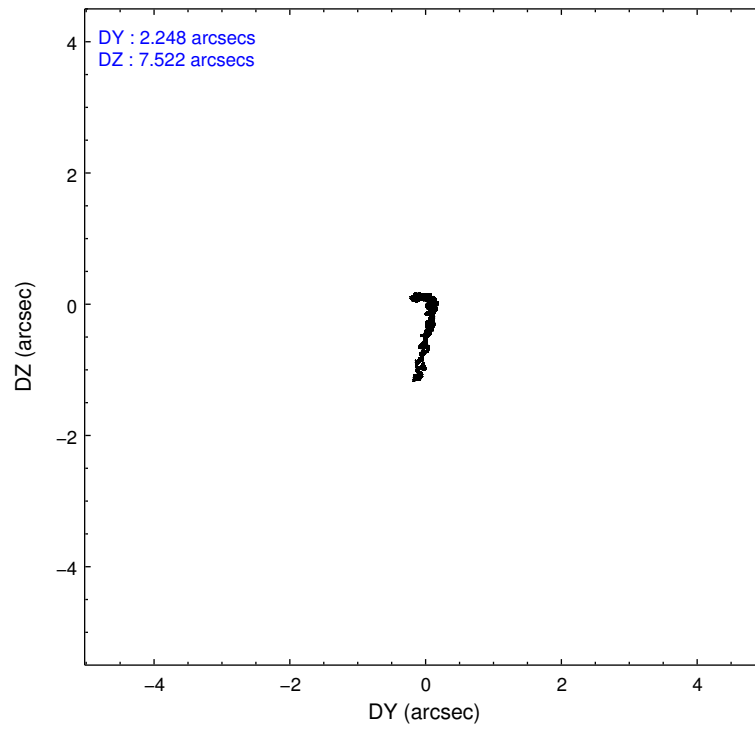
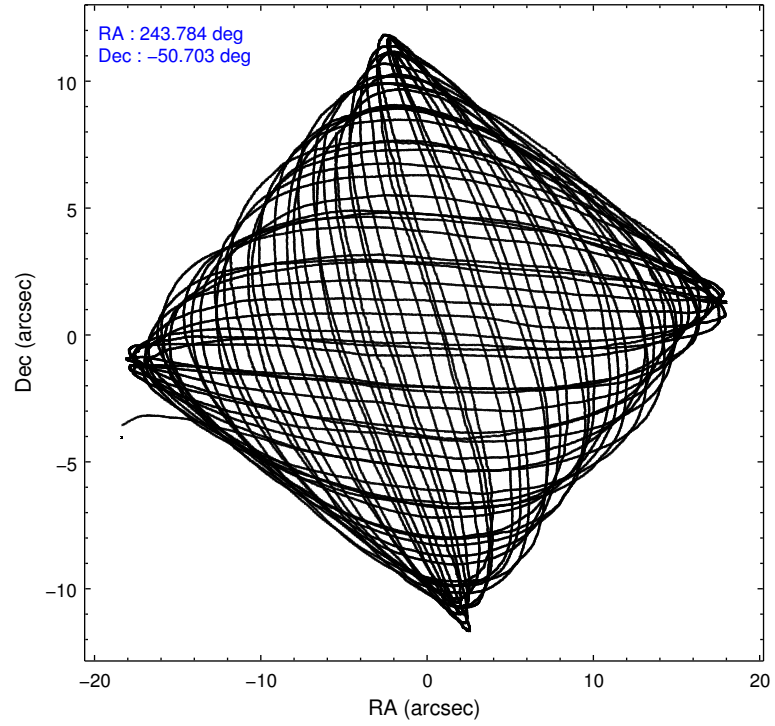
2.1.4 Events

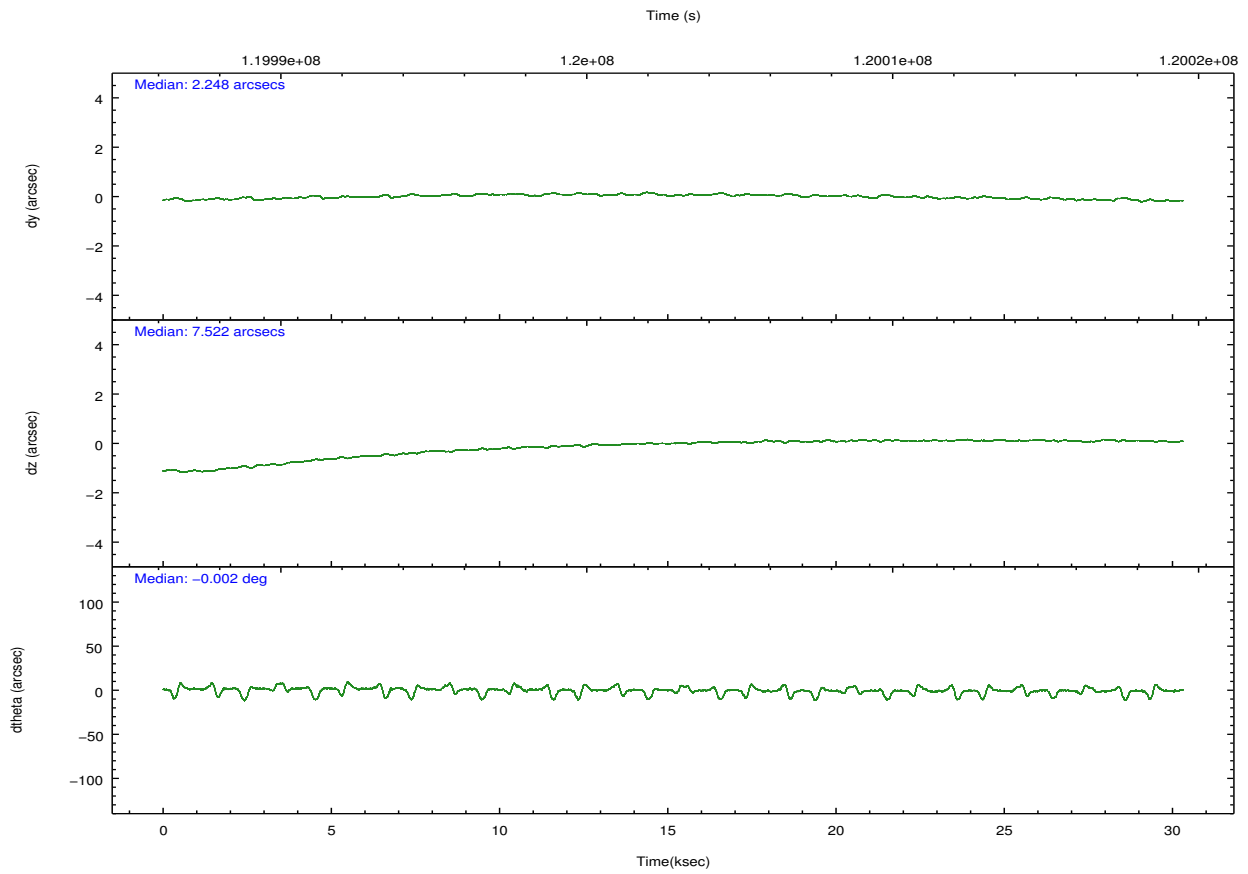
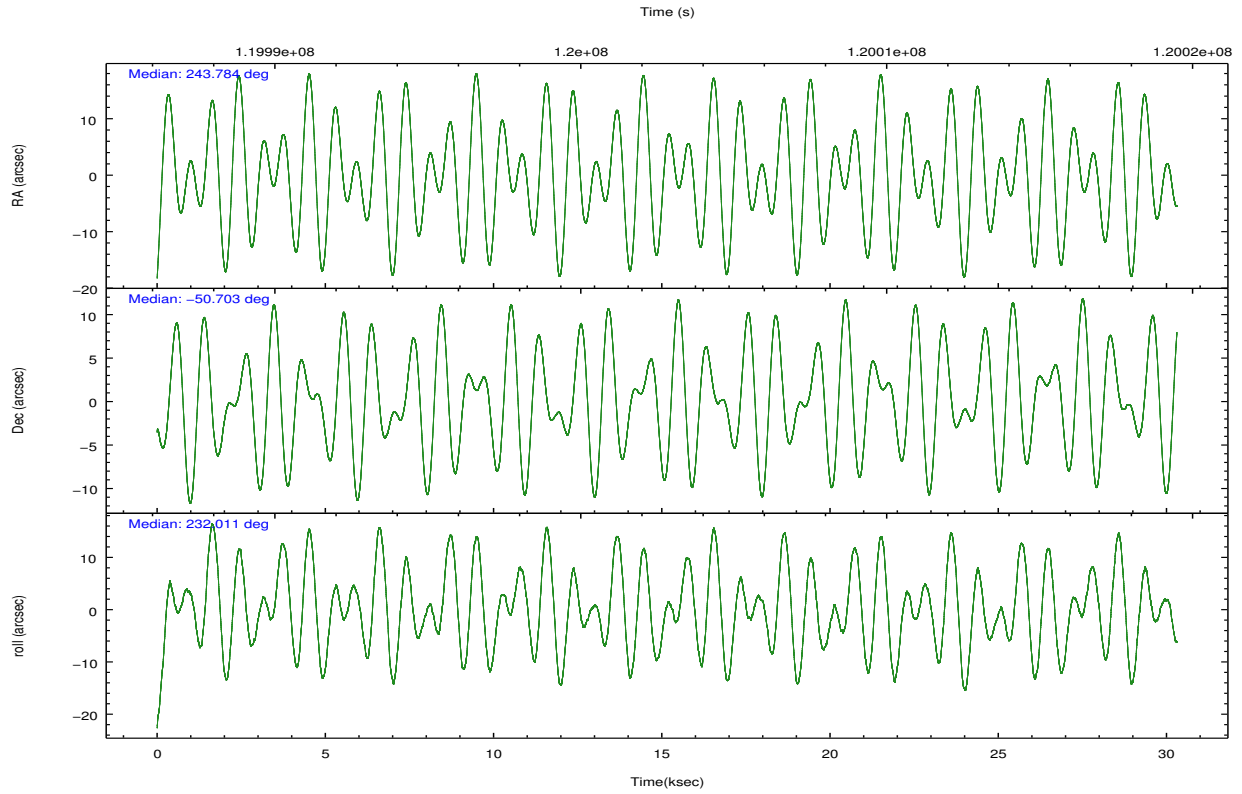
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	185071	186188	203303	205371	213395	258047	grade 0 events	14053	14454	14074	14933	12935	11432
rejected events	155792	155398	174554	175453	185155	145775		7%	7%	6%	7%	6%	4%
rejected %	84%	83%	85%	85%	86%	56%	grade 1 events	120	114	110	113	81	265
								0%	0%	0%	0%	0%	0%
							grade 2 events	6002	6161	6008	5800	5684	22617
								3%	3%	2%	2%	2%	8%
							grade 3 events	2408	2611	2156	2333	2362	10306
								1%	1%	1%	1%	1%	3%
							grade 4 events	2226	2657	2284	2222	2348	10304
								1%	1%	1%	1%	1%	3%
							grade 5 events	6912	7384	6298	7541	8219	23676
								3%	3%	3%	3%	3%	9%
							grade 6 events	4595	4913	4234	4635	4917	57629
								2%	2%	2%	2%	2%	22%
							grade 7 events	148755	147894	168139	167794	176849	121818
								80%	79%	82%	81%	82%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	243.790269	243.7843223393336	Subarray requested	NONE	NONE
[deg] Pointing Dec	-50.675957	-50.70312690580548	Alternating exposures requested	N	N
[deg] Pointing Roll	231.813475	232.0175633982038	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	119987975.184000	119986951.16237			
Observation start date	2001-10-20T17:58:31	2001-10-20T17:42:31			
[s] Observation end time (MET)	120017975.184000	120018866.07614			
Observation end date	2001-10-21T02:18:31	2001-10-21T02:34:26			
Read mode	TIMED	TIMED			

2.3 Aspect





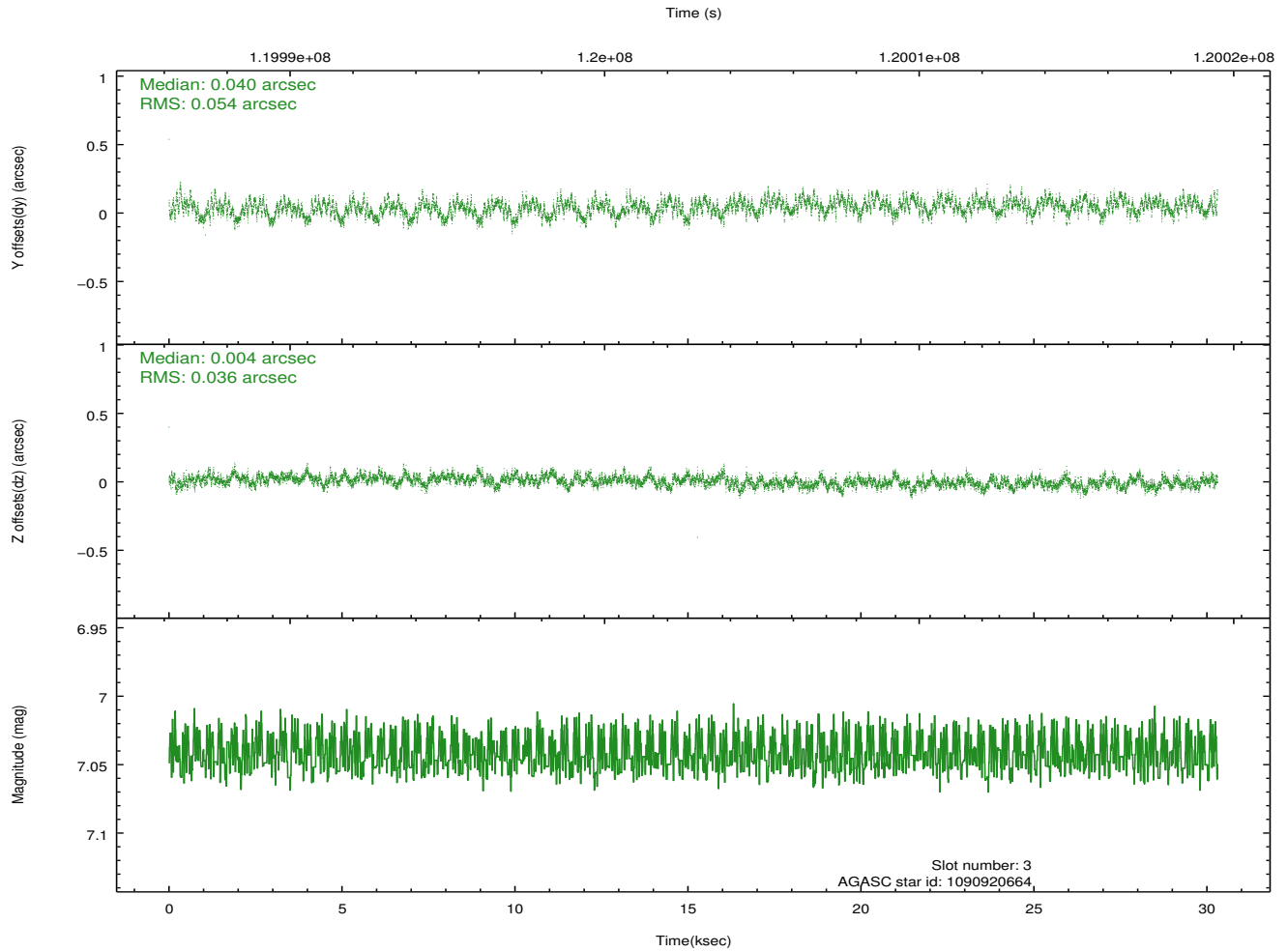
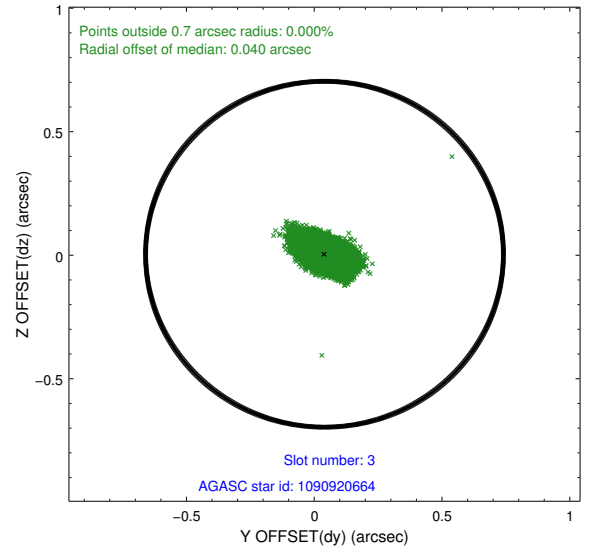
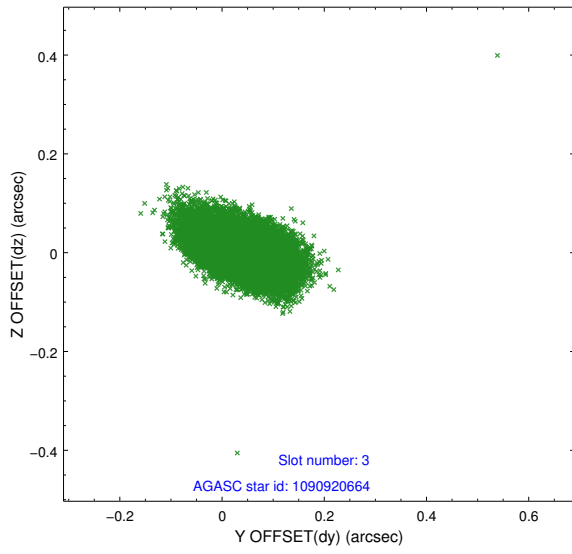
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	7391	-0.038	-0.087	0.030	0.063	0.000000	0.000000	937.55	-830.82
1	FID	ACIS-I-3	7.45	7390	0.004	0.160	0.023	0.068	0.000000	0.000000	55.13	-963.93
2	FID	ACIS-I-5	7.22	7391	-0.055	-0.000	0.048	0.127	0.000000	0.000000	-1810.69	1066.70
3	GUIDE	1090920664	7.04	14783	0.040	0.004	0.067	0.116	242.511534	-50.759901	2056.65	-2086.08
4	GUIDE	1090399840	7.58	14782	-0.186	-0.108	0.078	0.123	243.797224	-49.874464	-2278.97	-1771.56
5	GUIDE	1090924384	8.05	14786	0.091	0.082	0.075	0.124	243.330505	-50.934017	1376.48	-243.35
6	GUIDE	1090521824	9.14	14710	0.004	0.065	0.086	0.141	244.711253	-50.470098	-1878.00	1208.61
7	GUIDE	1090523792	10.19	14701	0.051	-0.046	0.219	0.345	245.121825	-50.587791	-2111.00	2212.69

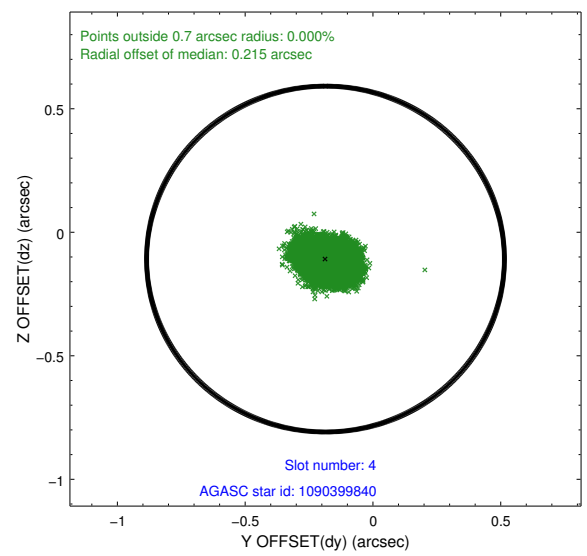
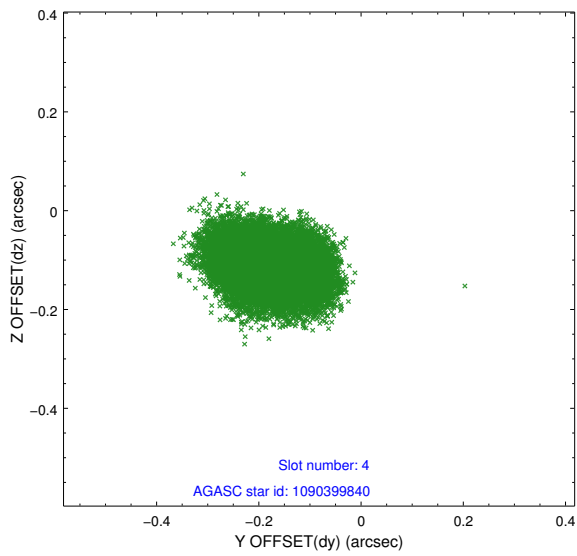
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2.4 Star Slots

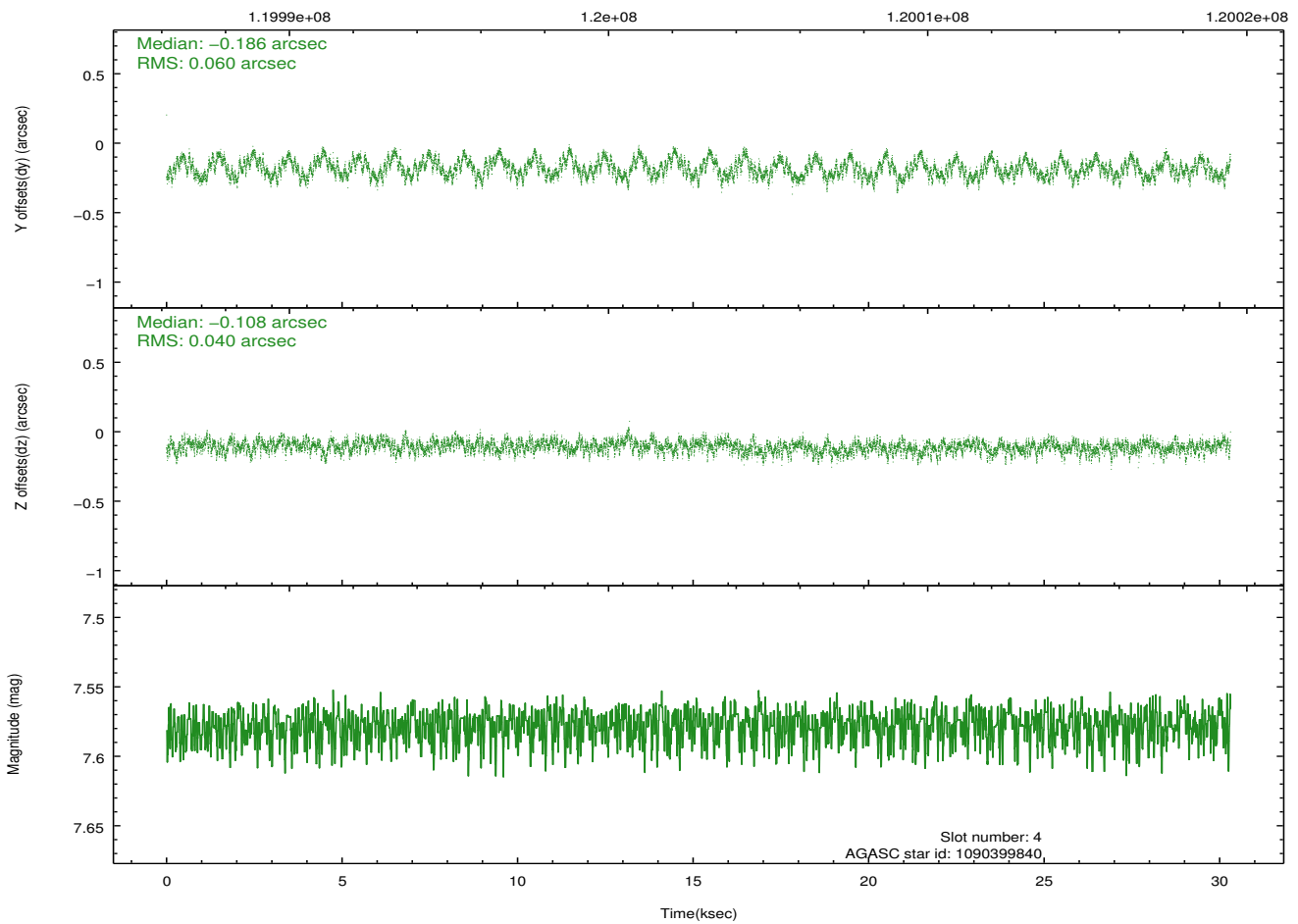
2.4.1 Slot 3



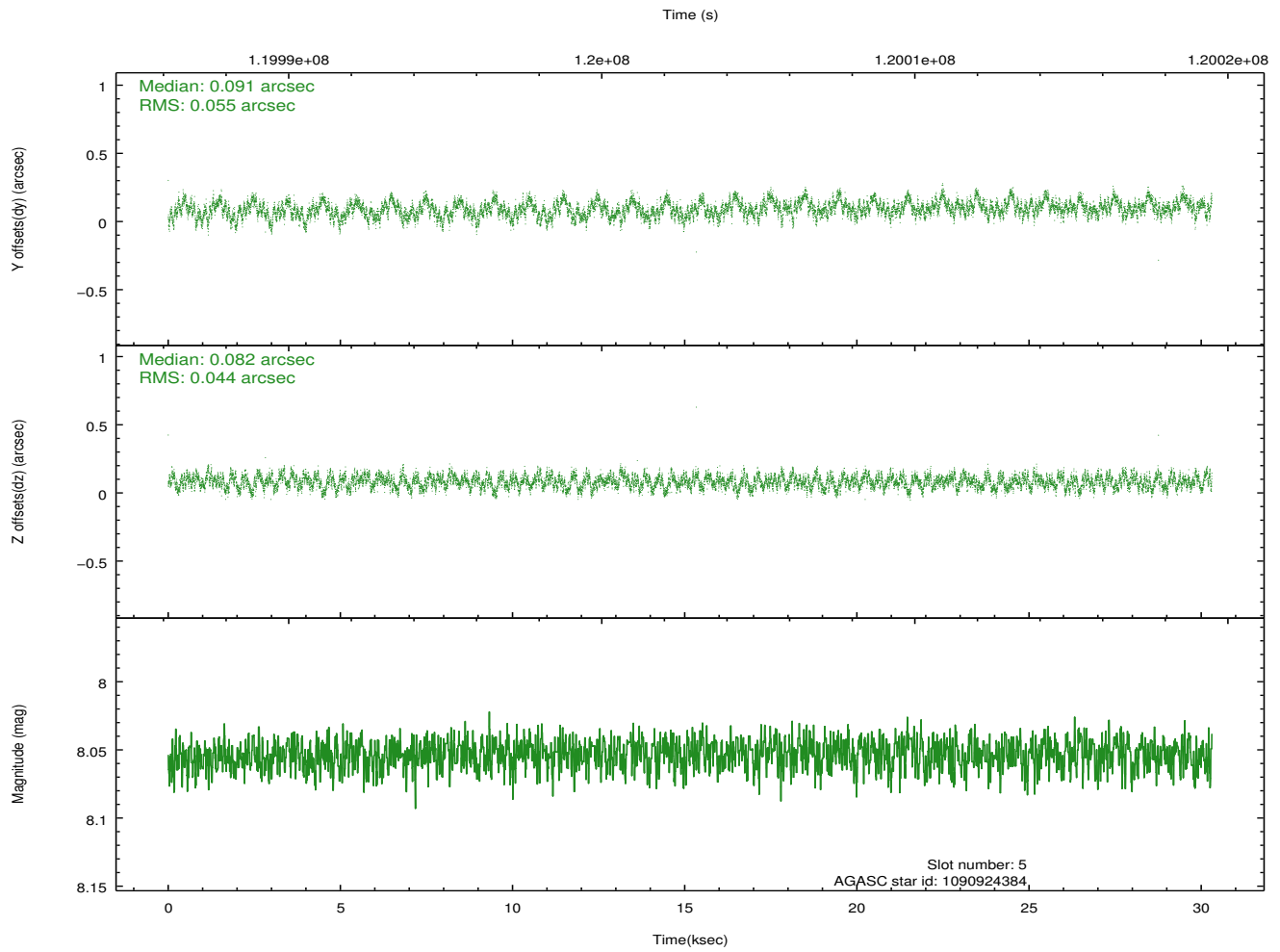
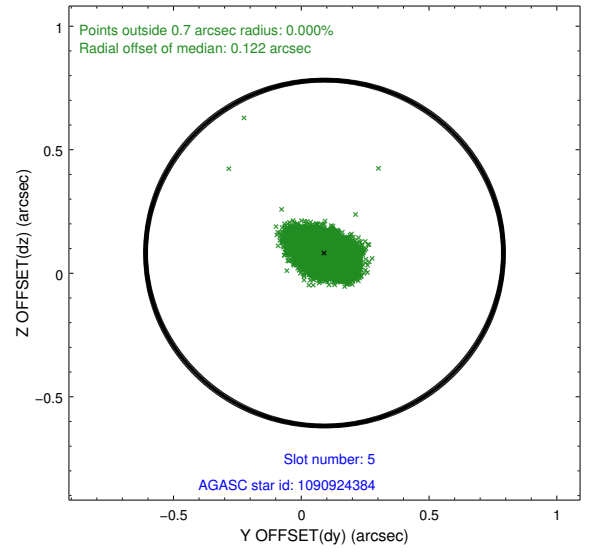
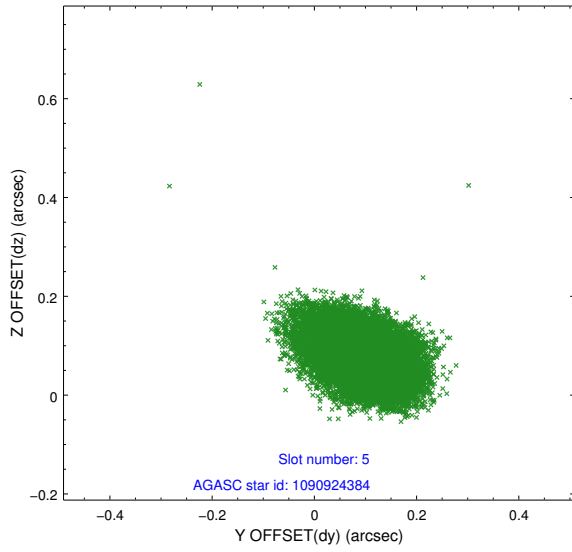
2.4.2 Slot 4



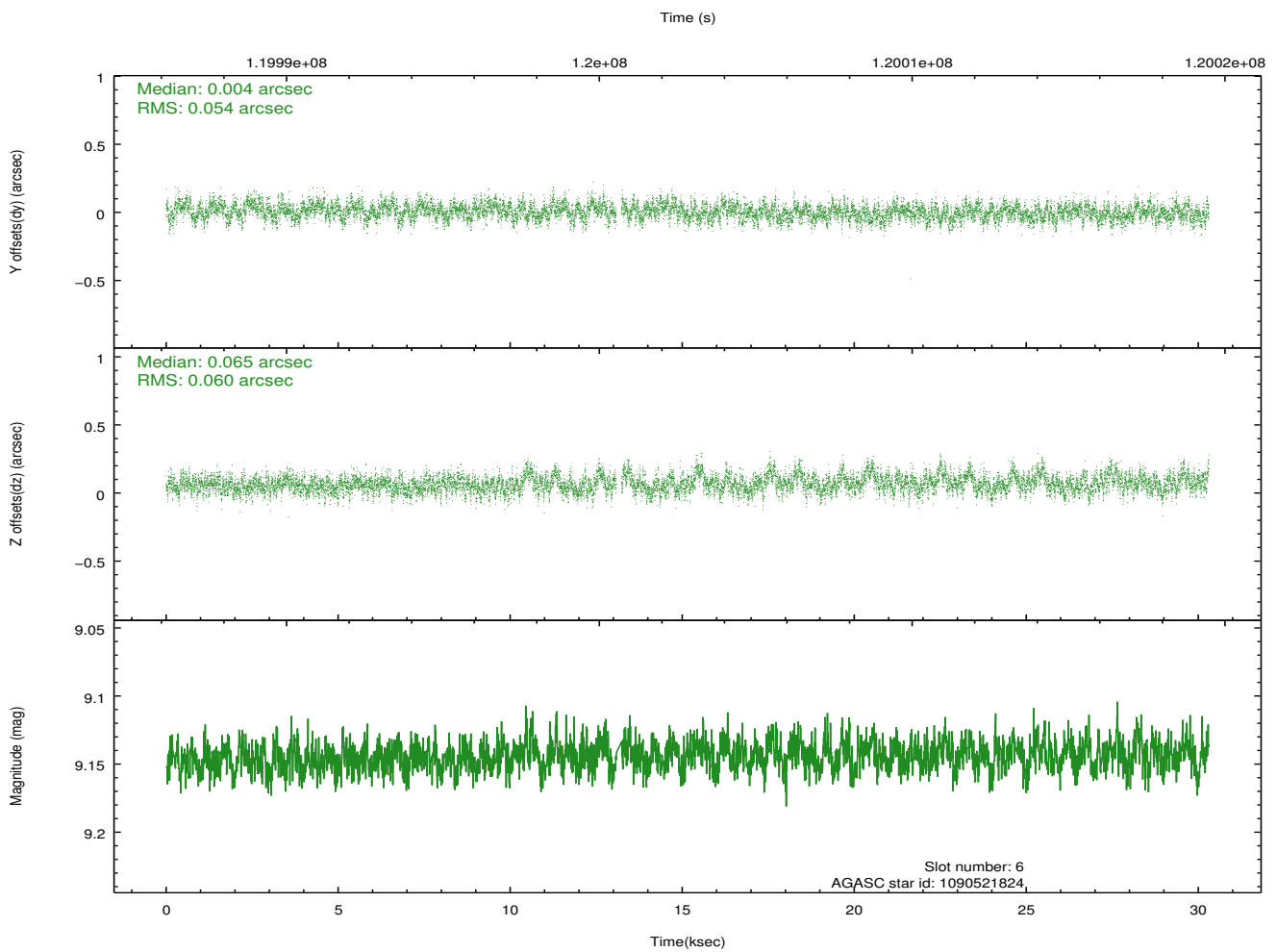
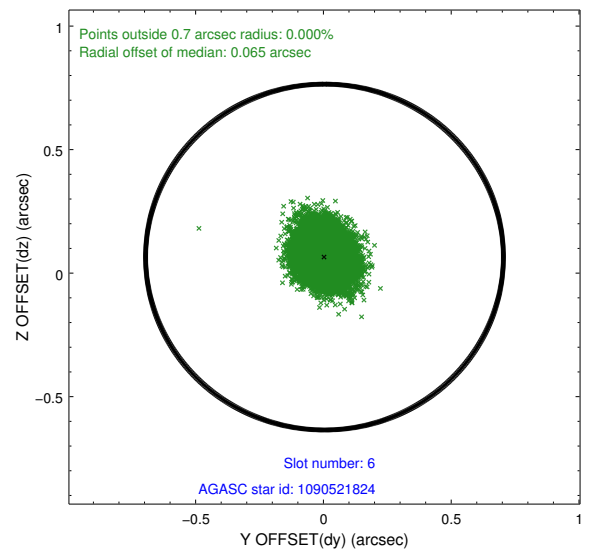
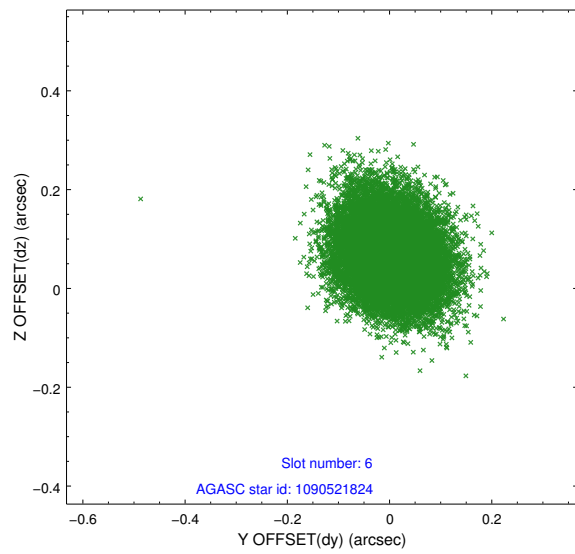
Time (s)



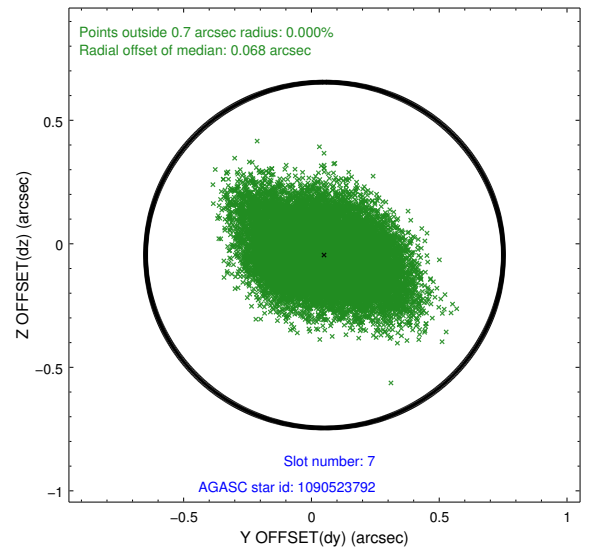
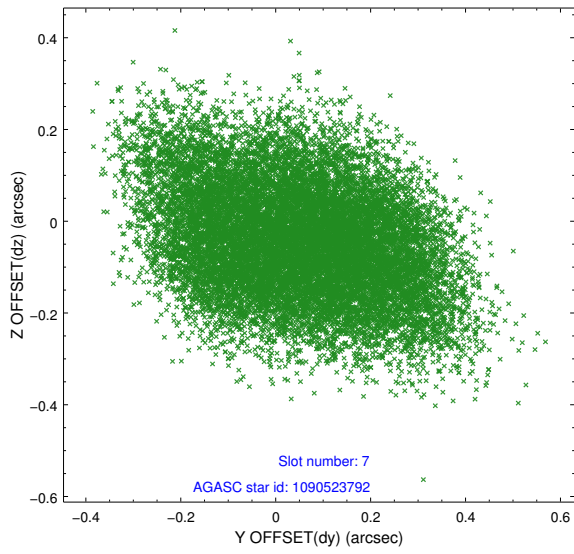
2.4.3 Slot 5



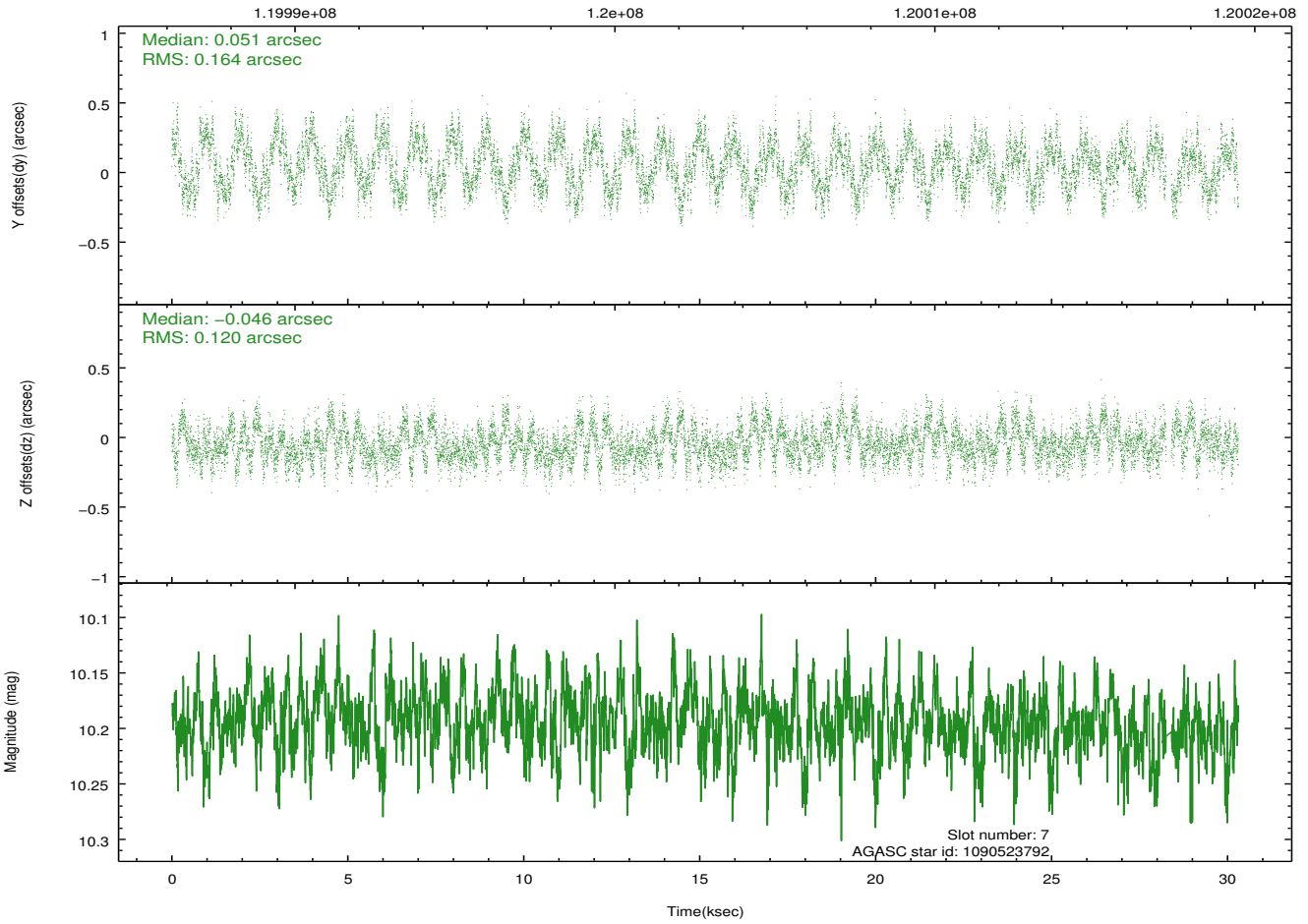
2.4.4 Slot 6



2.4.5 Slot 7

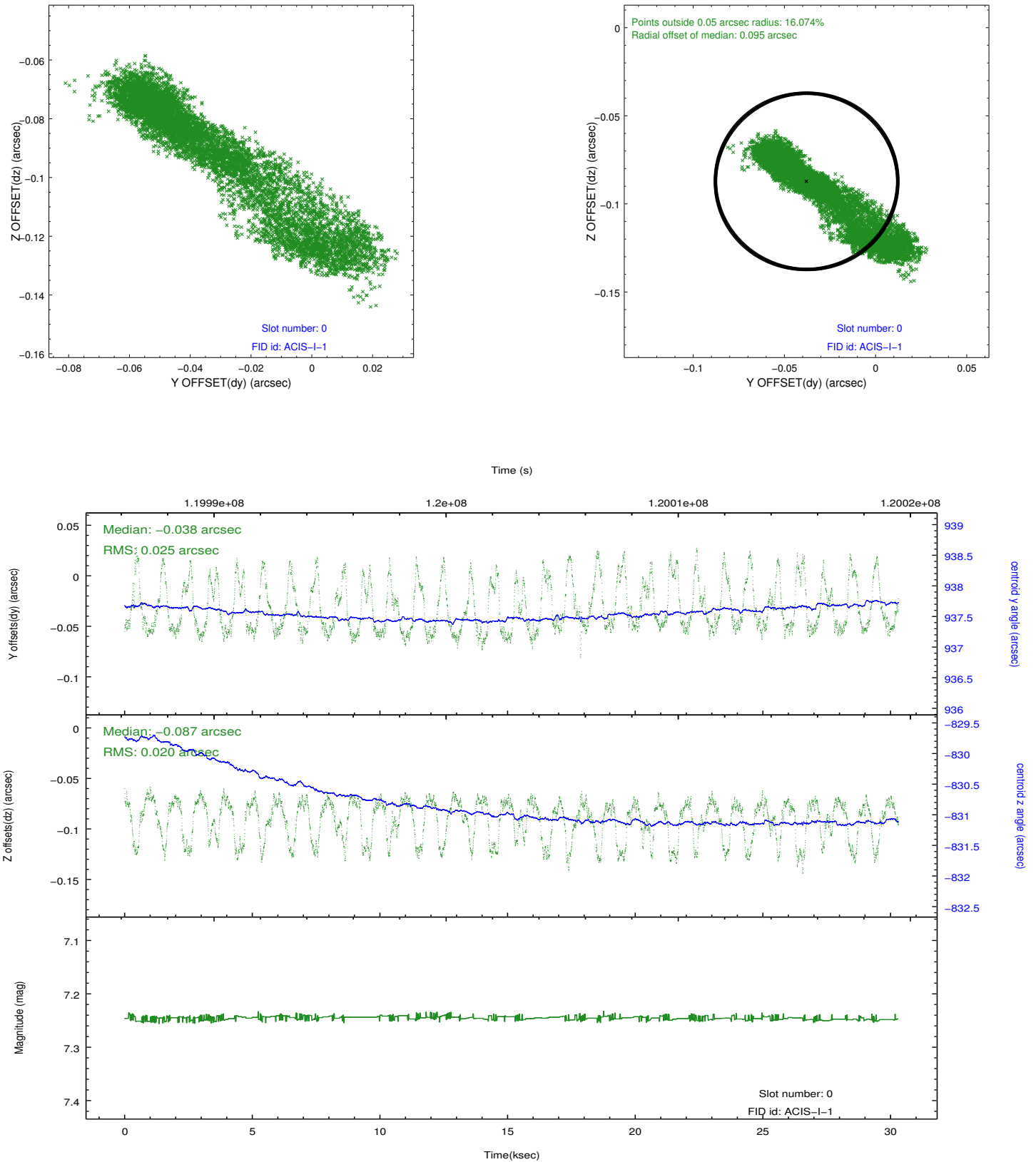


Time (s)

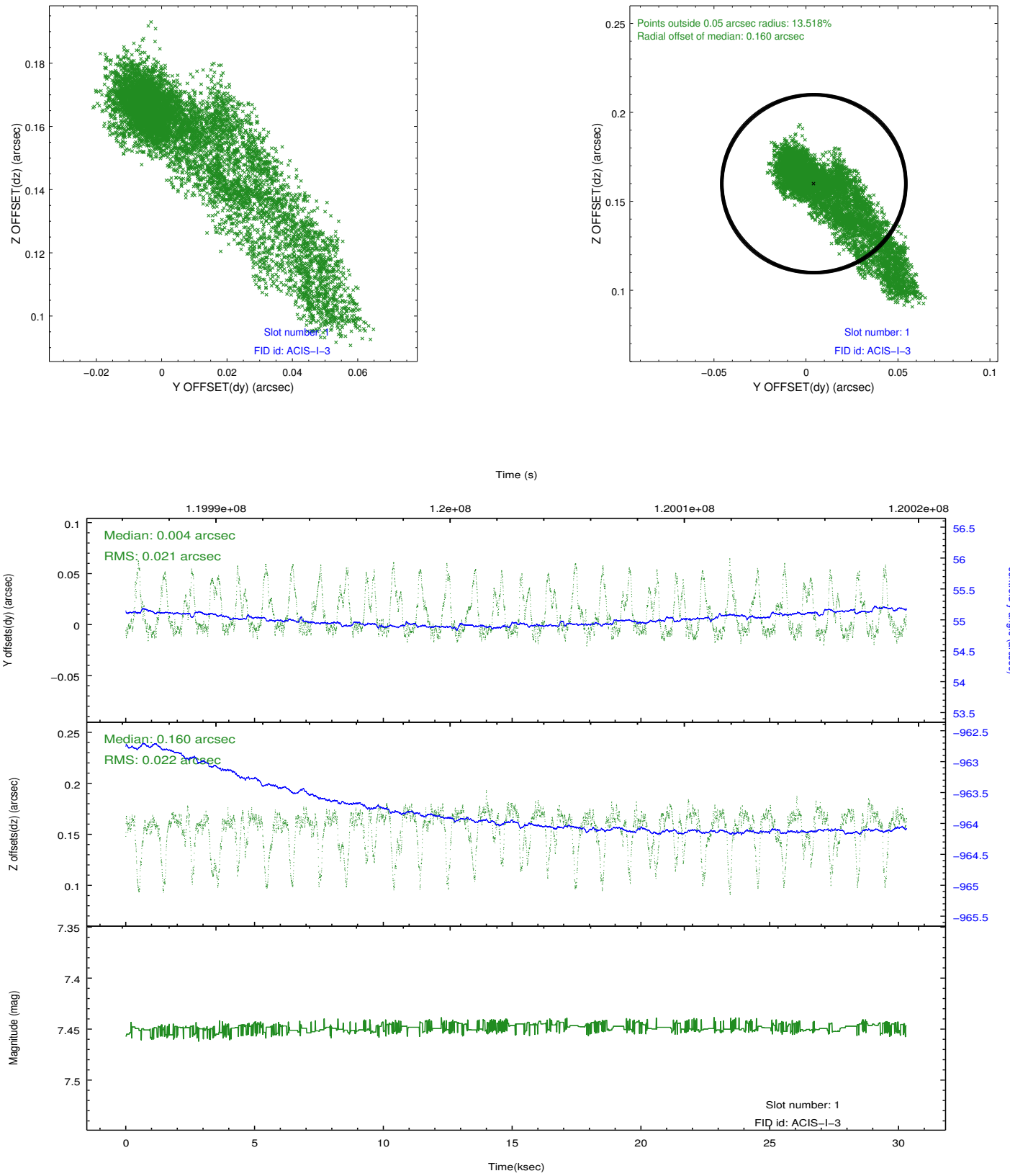


2.5 FID Slots

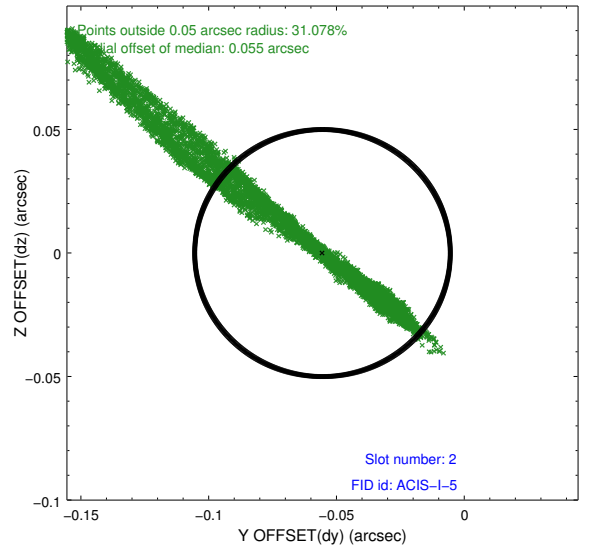
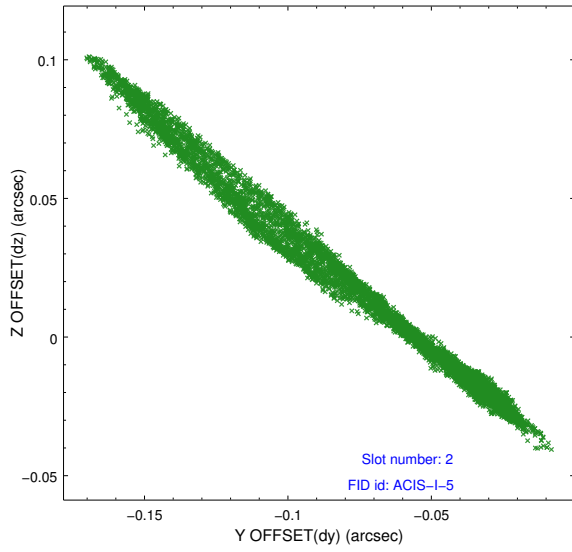
2.5.1 Slot 0



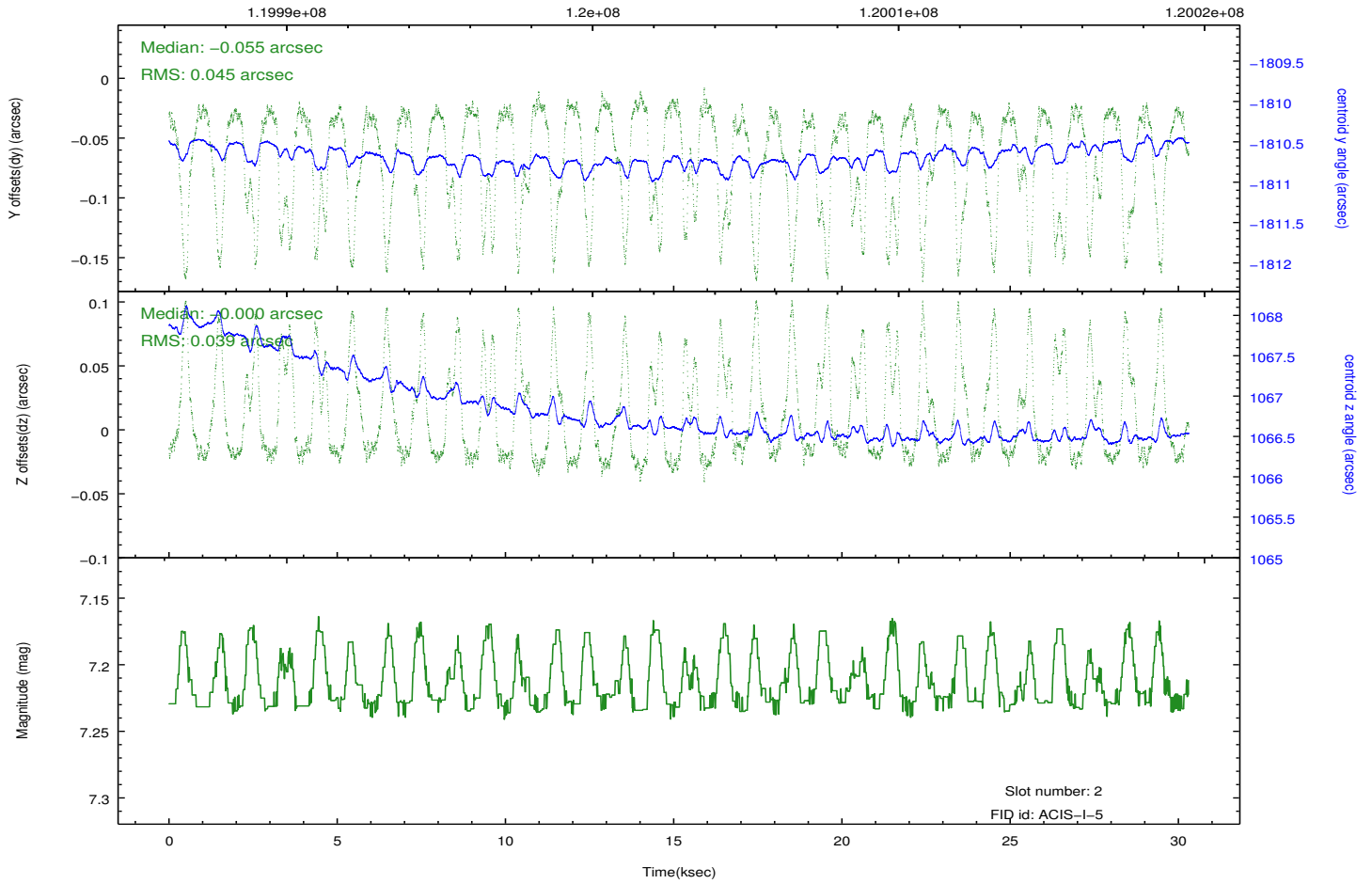
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.949

A.2 Comments