

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 8503 - L2 Version 3
Chandra X-Ray Center

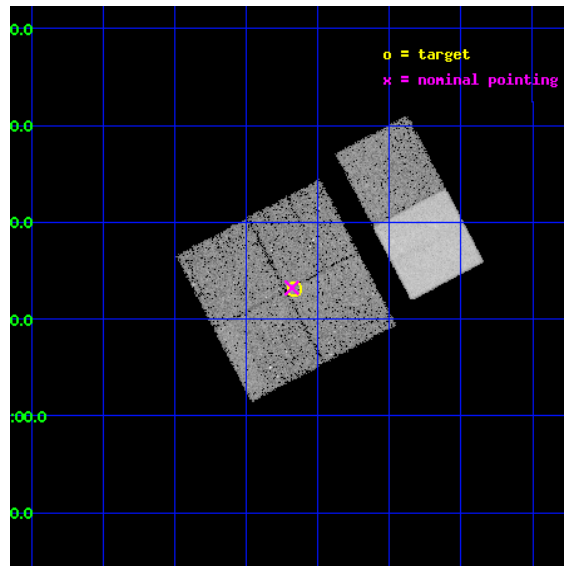
L2 Processing Date : Apr 16 2012

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1 Front

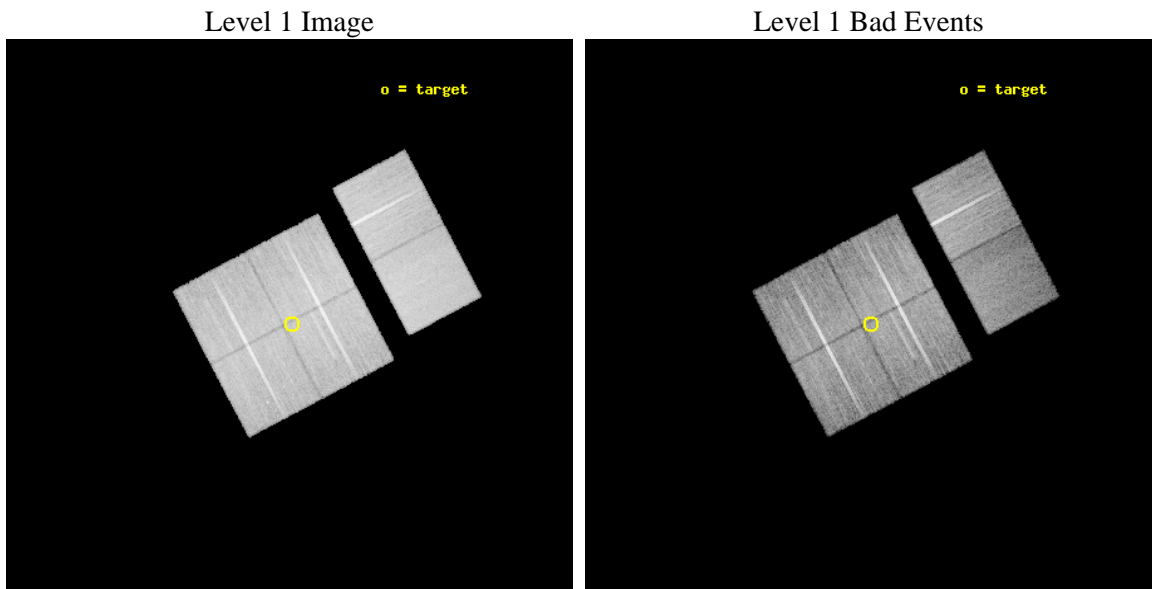
seq_num	900550	Sequence number
obs_id	8503	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS3-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.166733	Observer's specified target RA [deg]
dec_targ	2.217392	Observer's specified target Dec [deg]
ra_nom	150.17030553184	Nominal RA [deg]
dec_nom	2.2204354851045	Nominal Dec [deg]
roll_nom	62.208565296304	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20671.99992305	Sum of GTIs [s]
livetime	20410.238612841	Livetime [s]
ontime0	20671.99992305	Sum of GTIs [s]
ontime1	20668.758912861	Sum of GTIs [s]
ontime2	20668.75898236	Sum of GTIs [s]
ontime3	20671.99992305	Sum of GTIs [s]
ontime6	20668.758912802	Sum of GTIs [s]
ontime7	20671.99992305	Sum of GTIs [s]
l2events	141117	Number of level 2 events



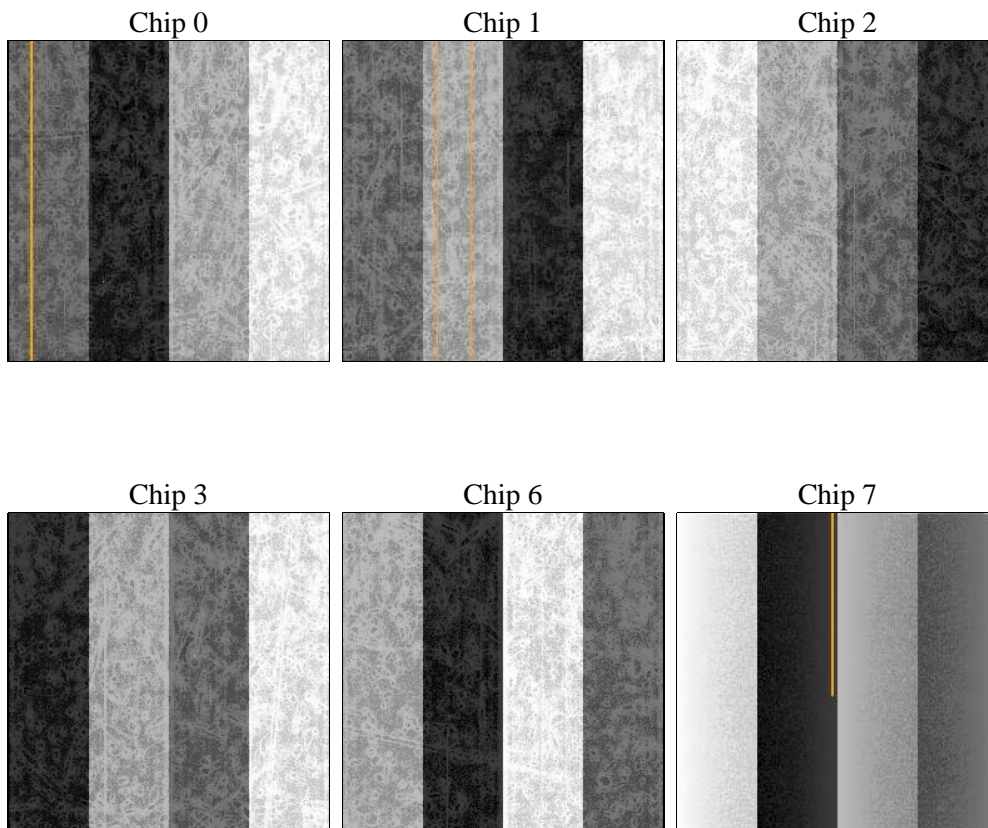
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20931.243000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	20671.99992305	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	20671.99992305	Sum of GTIs [s]
date	2012-04-16T06:09:17	Date and time of file creation	ontime1	20668.758912861	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20668.75898236	Sum of GTIs [s]
			ontime3	20671.99992305	Sum of GTIs [s]
			ontime6	20668.758912802	Sum of GTIs [s]
			ontime7	20671.99992305	Sum of GTIs [s]
			l1events	944155	Number of level 1 events

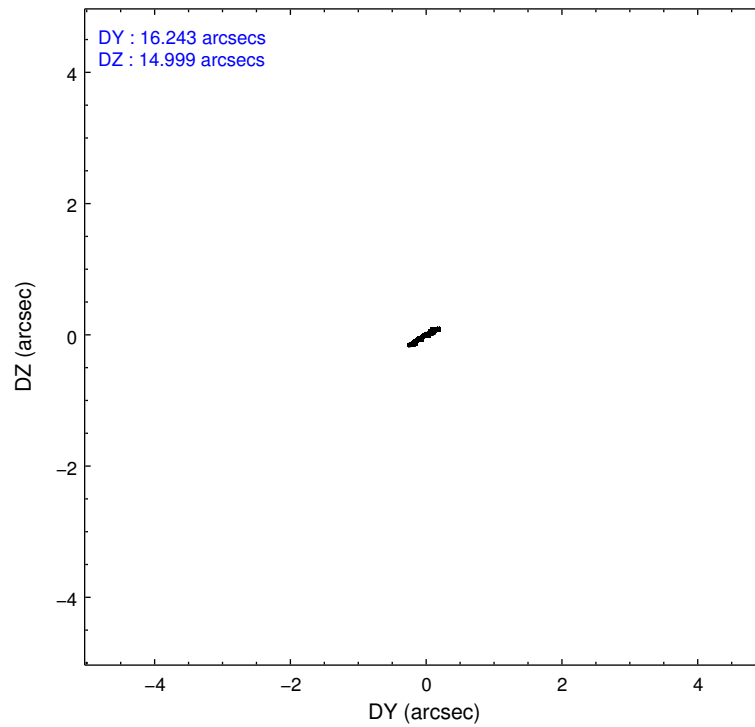
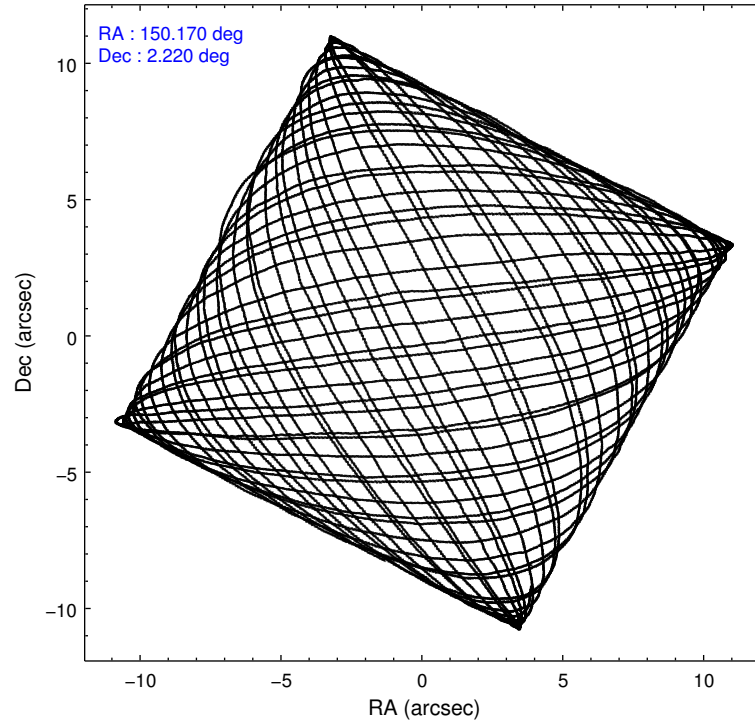
2.1.4 Events

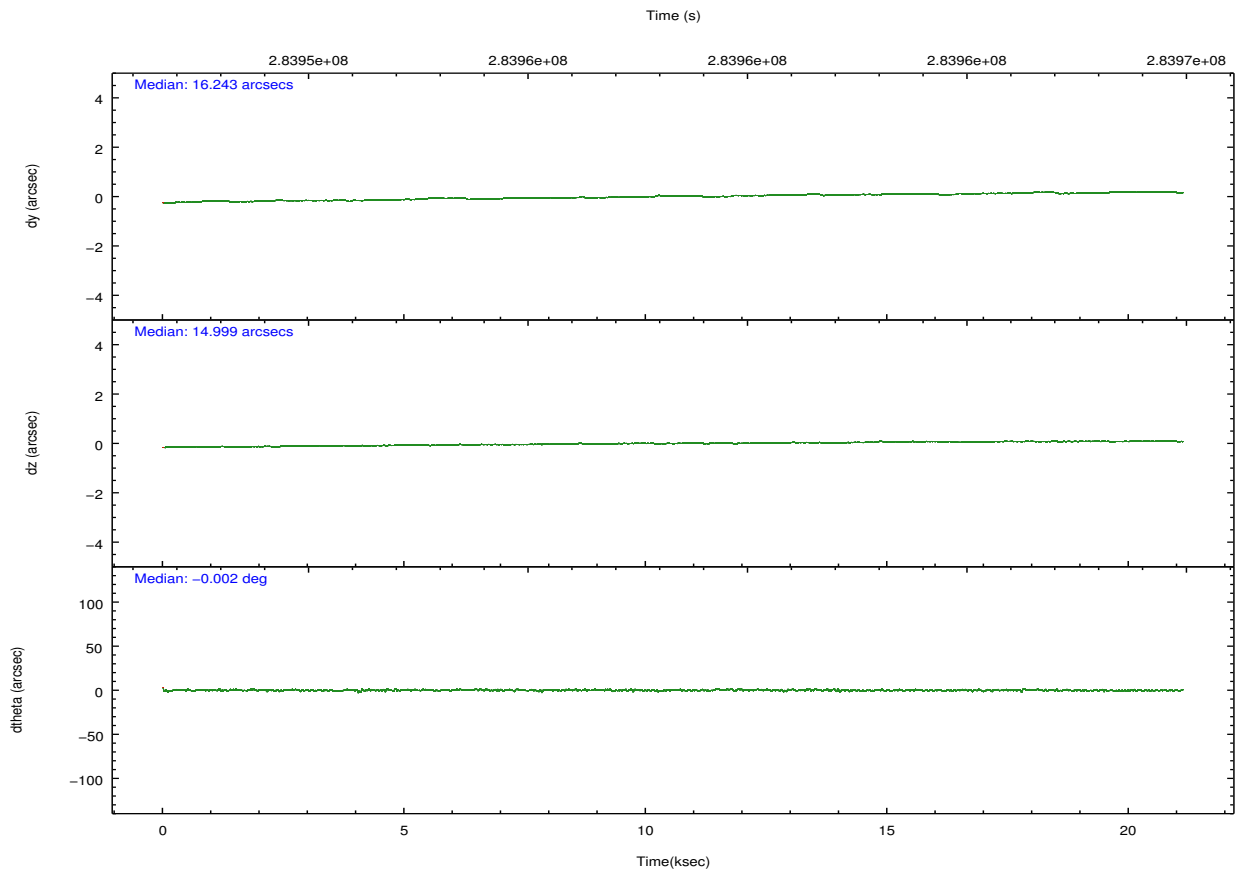
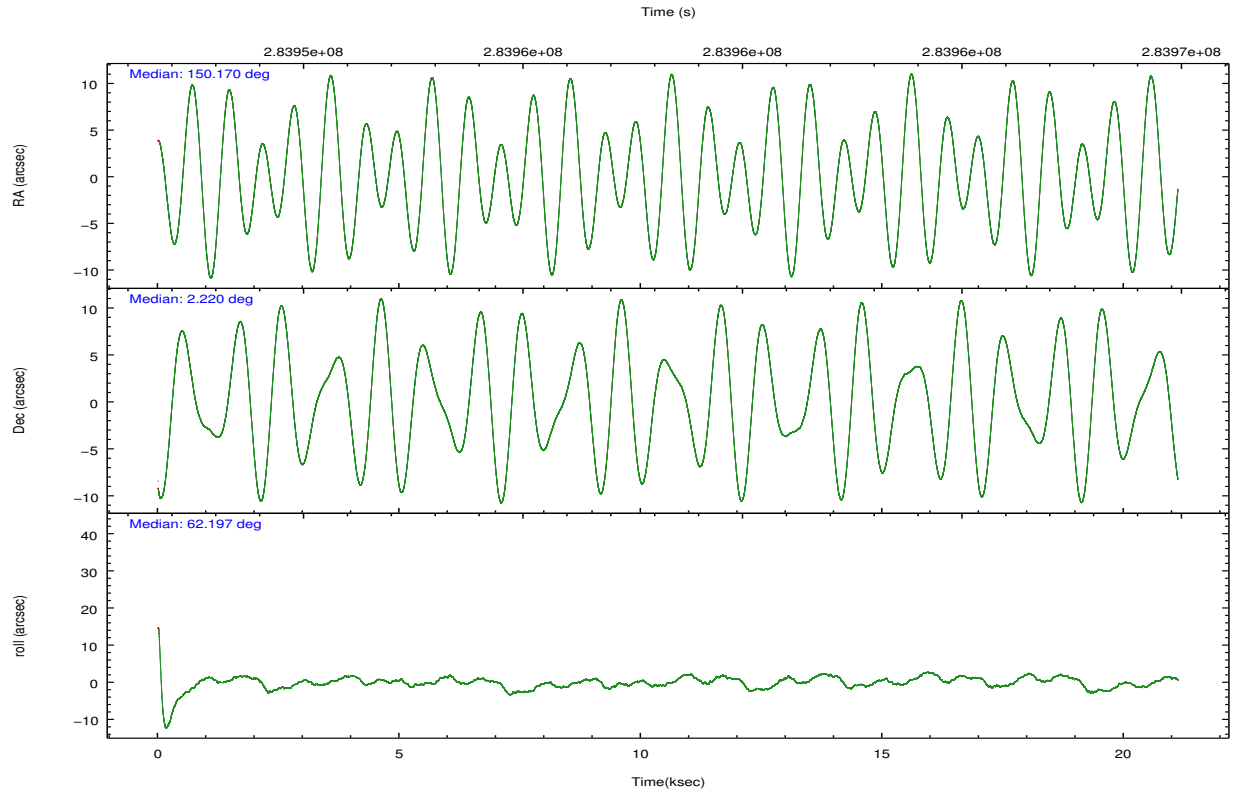
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	144575	142497	163963	153412	165775	173933	grade 0 events	5261	6287	5648	5125	5431	7452
rejected events	129374	125357	148712	139025	149925	95063		3%	4%	3%	3%	3%	4%
rejected %	89%	87%	90%	90%	90%	54%	grade 1 events	80	94	78	78	72	221
								0%	0%	0%	0%	0%	0%
							grade 2 events	3605	3880	3481	3063	3518	15664
								2%	2%	2%	1%	2%	9%
							grade 3 events	1723	1772	1639	1717	1707	7102
								1%	1%	0%	1%	1%	4%
							grade 4 events	1587	1786	1601	1561	1746	7254
								1%	1%	0%	1%	1%	4%
							grade 5 events	5197	5905	4938	6296	6358	18196
								3%	4%	3%	4%	3%	10%
							grade 6 events	3026	3416	2883	2923	3448	41398
								2%	2%	1%	1%	2%	23%
							grade 7 events	124096	119357	143695	132649	143495	76646
								85%	83%	87%	86%	86%	44%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	150.171499	150.1703055318375	CCD I2 on	Y	Y
[deg] Pointing Dec	2.192967	2.220435485104539	CCD I3 on	Y	Y
[deg] Pointing Roll	61.999813	62.20856529630384	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	283947945.184000	283947569.66527	CCD S5 on	N	N
Observation start date	2006-12-31T10:24:40	2006-12-31T10:19:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	283968877.184000	283969115.16629	On-chip summing requested	N	N
Observation end date	2006-12-31T16:13:32	2006-12-31T16:18:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



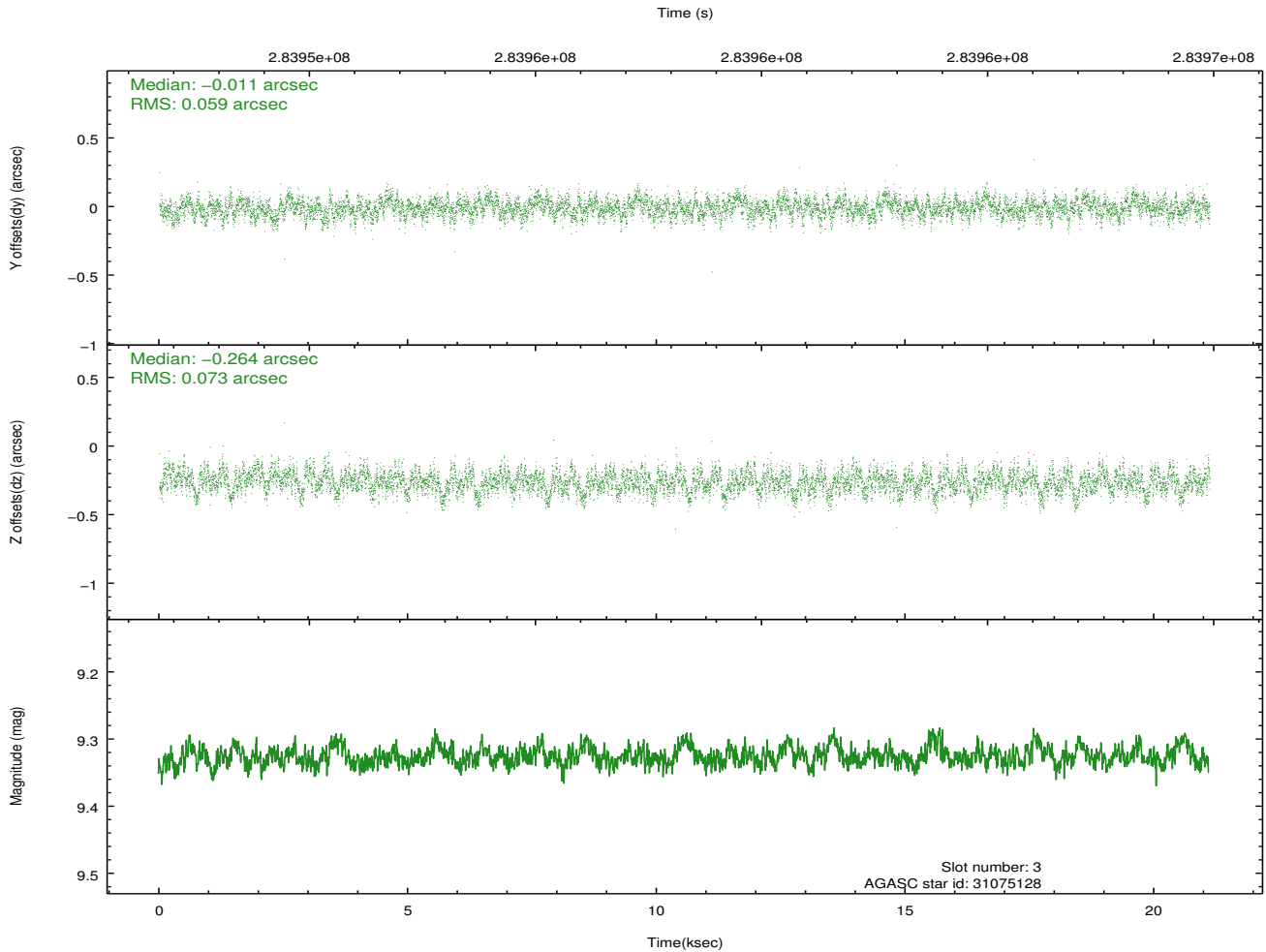
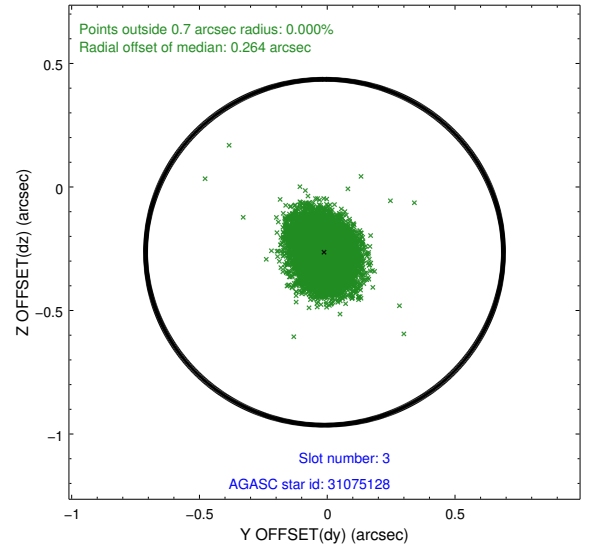
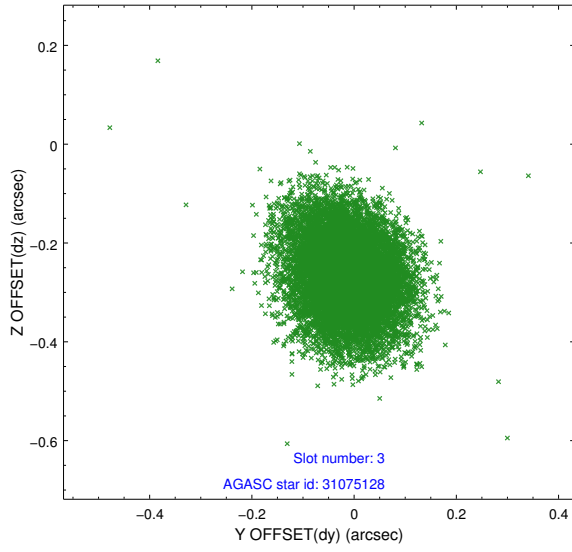


Slot Statistics

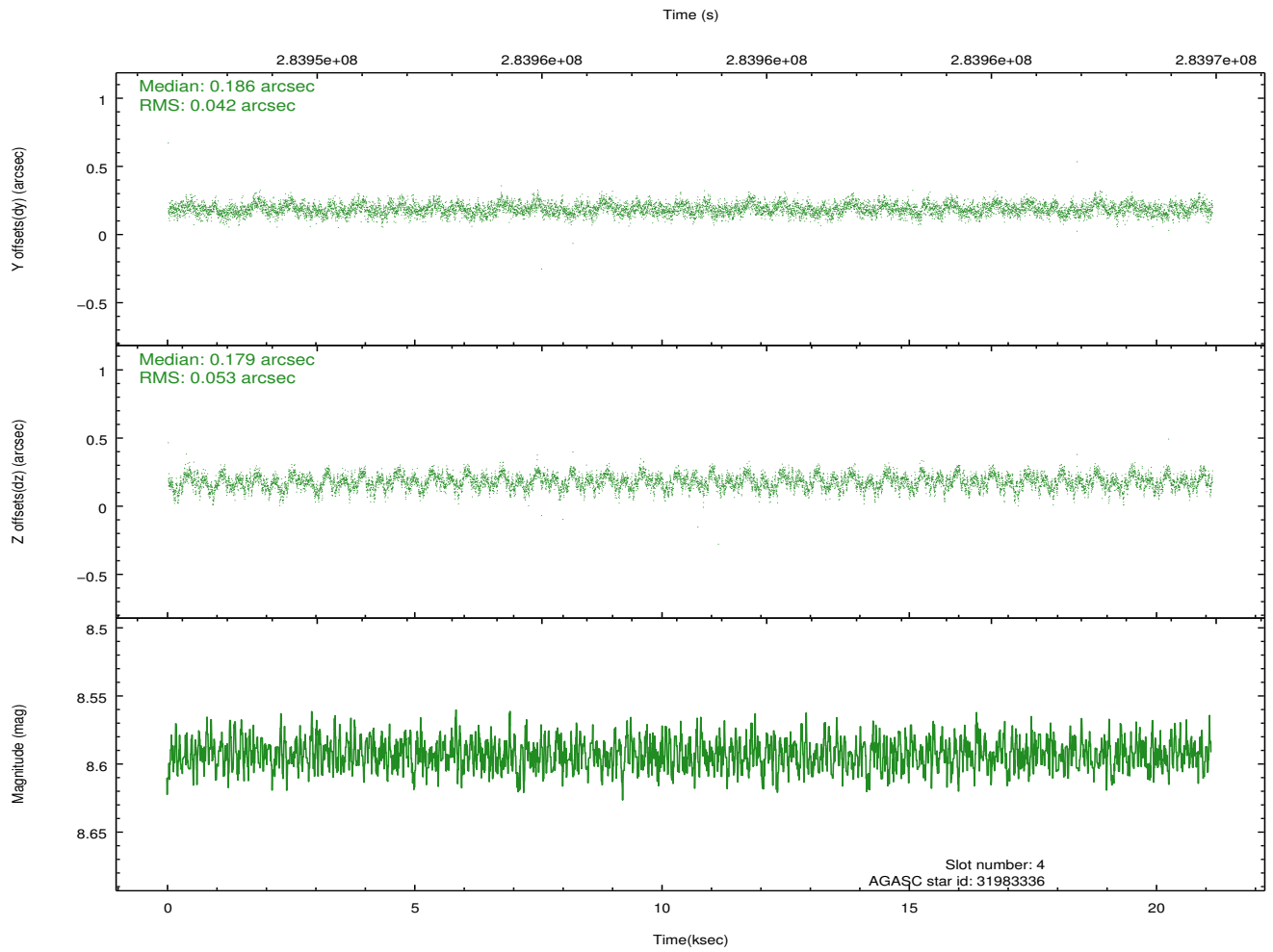
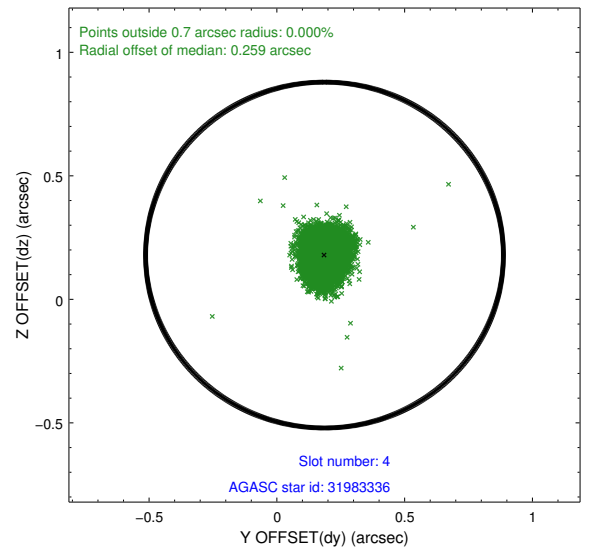
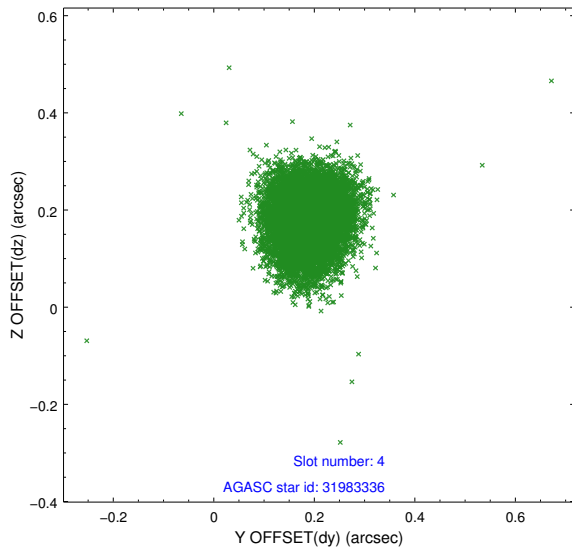
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	5150	-0.067	-0.082	0.010	0.017	0.000000	0.000000	-771.05	-845.03
1	FID	ACIS-I-4	7.18	5151	0.214	0.066	0.009	0.015	0.000000	0.000000	2143.21	1061.20
2	FID	ACIS-I-5	7.22	5151	-0.248	0.085	0.010	0.017	0.000000	0.000000	-1824.84	1059.27
3	GUIDE	31075128	9.33	10292	-0.011	-0.264	0.101	0.161	149.584516	2.364347	-446.09	2153.63
4	GUIDE	31983336	8.59	10297	0.186	0.179	0.071	0.115	150.429924	2.291234	749.61	-654.19
5	GUIDE	31986152	9.02	10299	-0.140	-0.034	0.109	0.168	150.840314	2.057585	700.51	-2352.87
6	GUIDE	32374896	9.22	10293	-0.100	0.204	0.086	0.140	150.682269	2.512794	1879.90	-1081.12
7	GUIDE	31463496	9.47	10290	0.067	-0.084	0.105	0.166	149.845020	2.964001	1900.20	2339.79

2.4 Star Slots

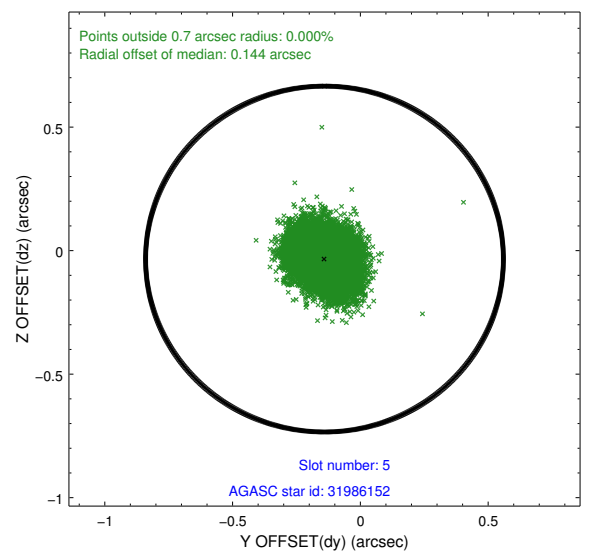
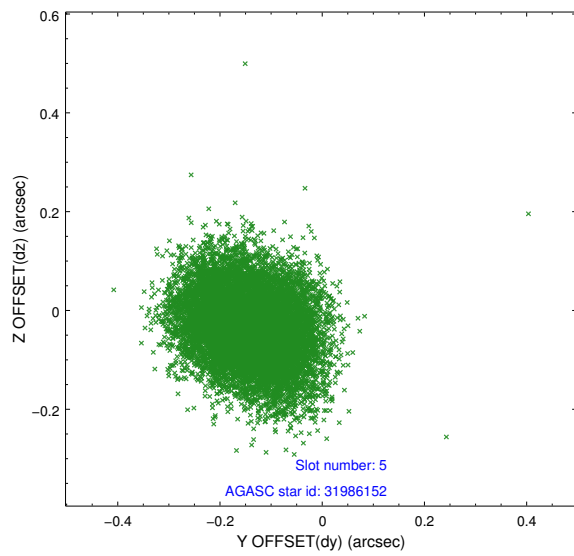
2.4.1 Slot 3



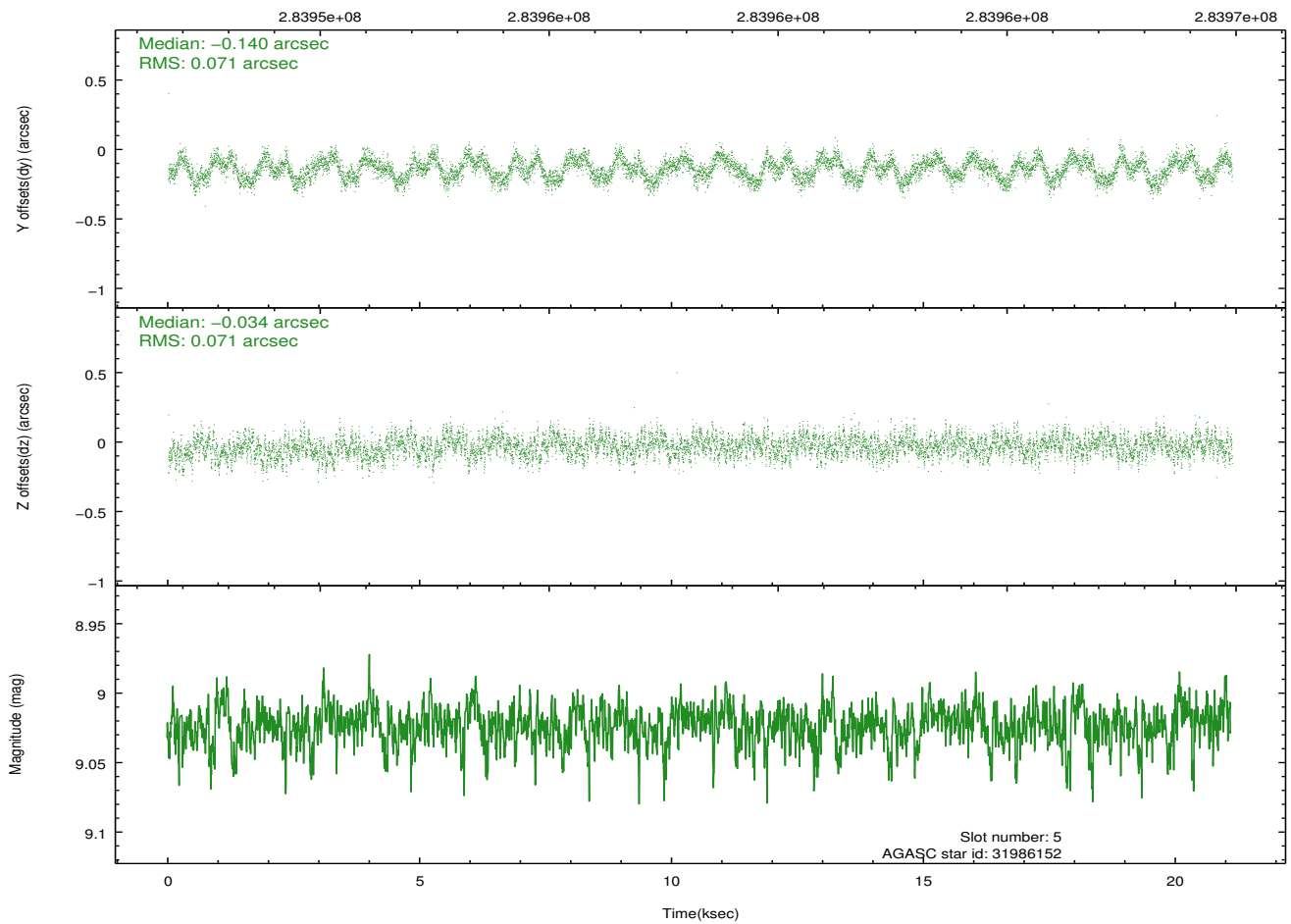
2.4.2 Slot 4



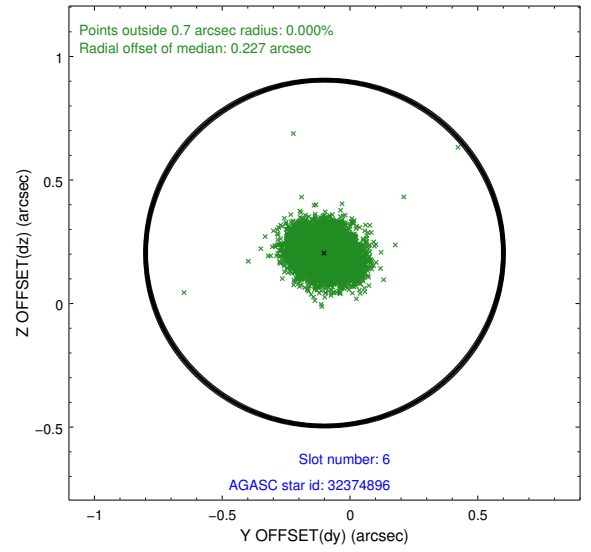
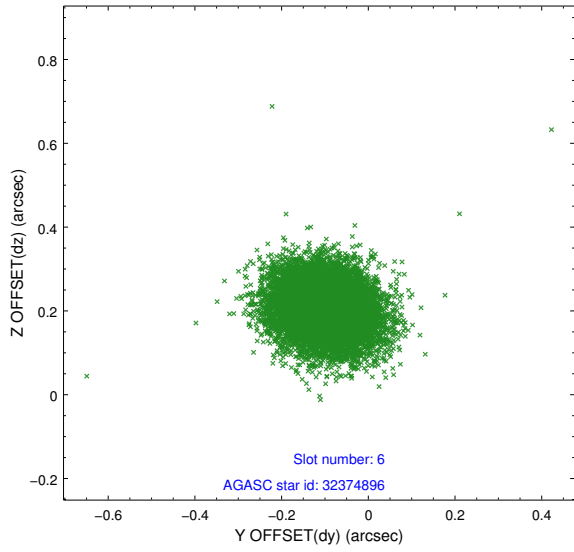
2.4.3 Slot 5



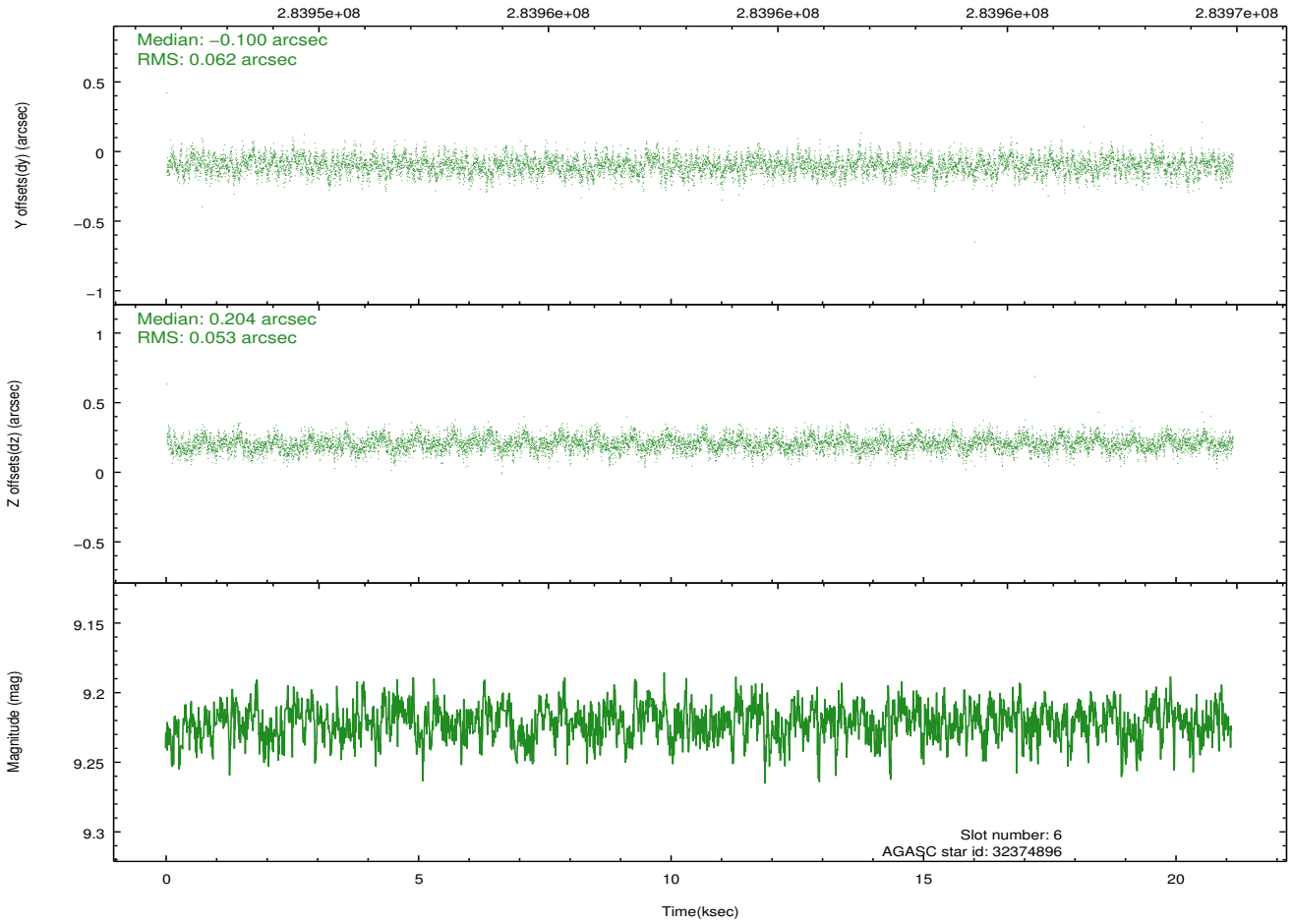
Time (s)



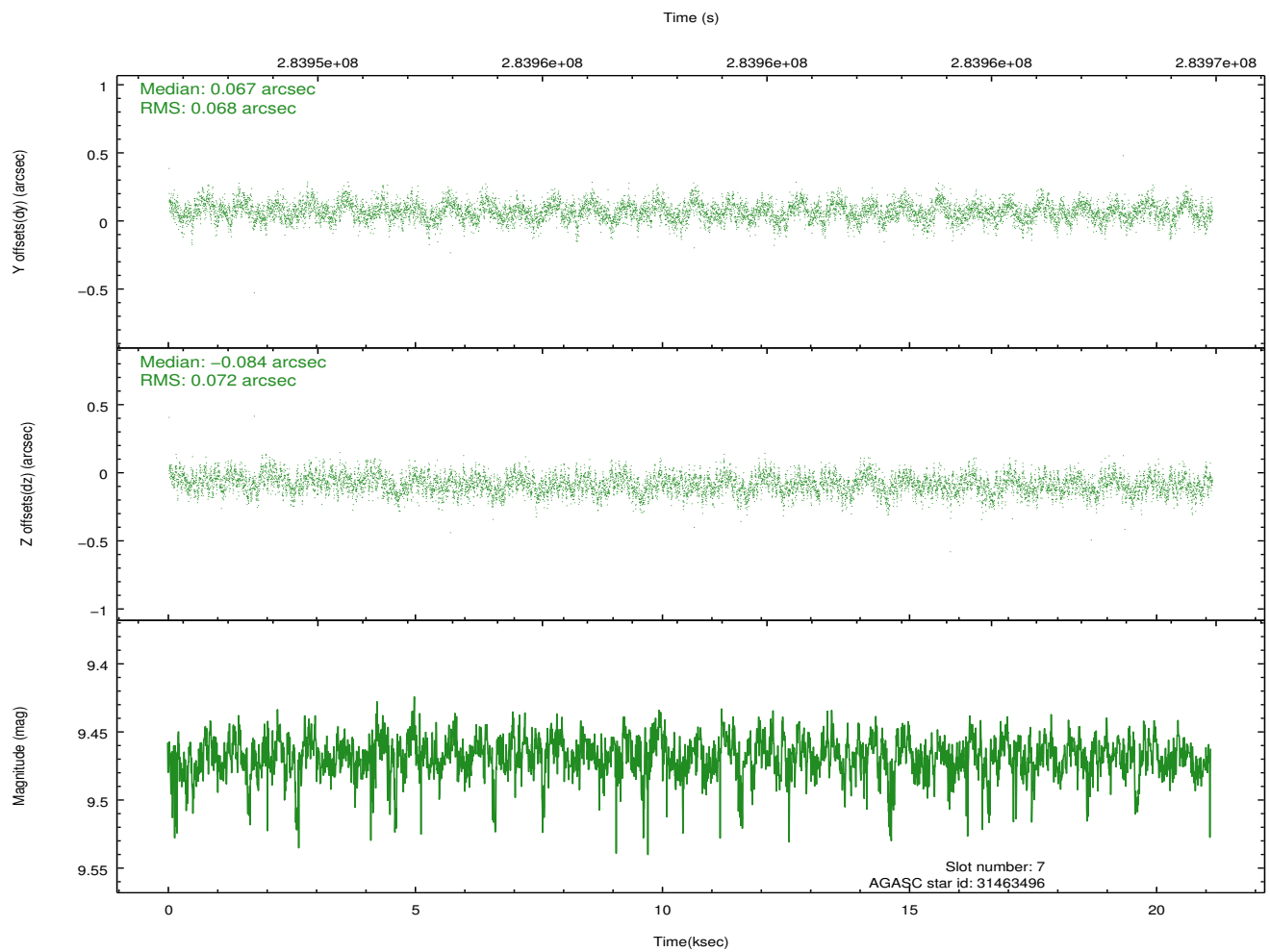
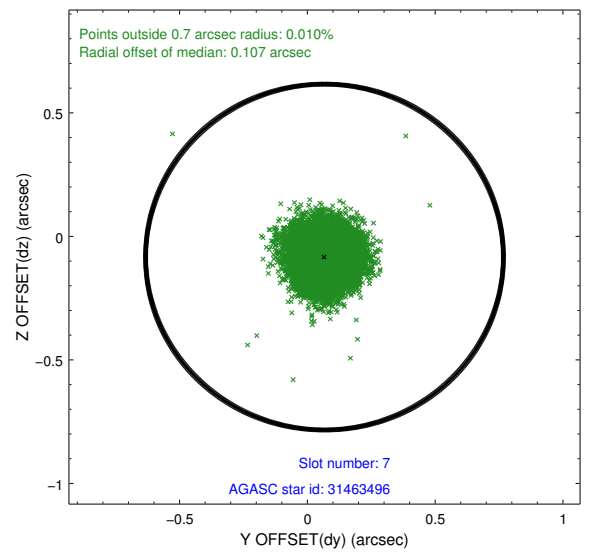
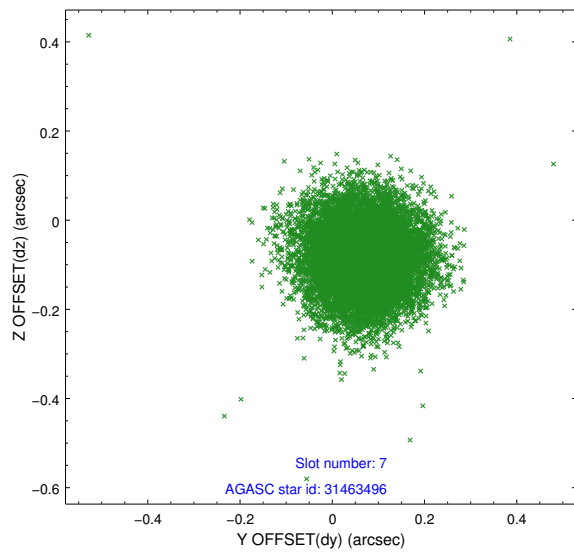
2.4.4 Slot 6



Time (s)

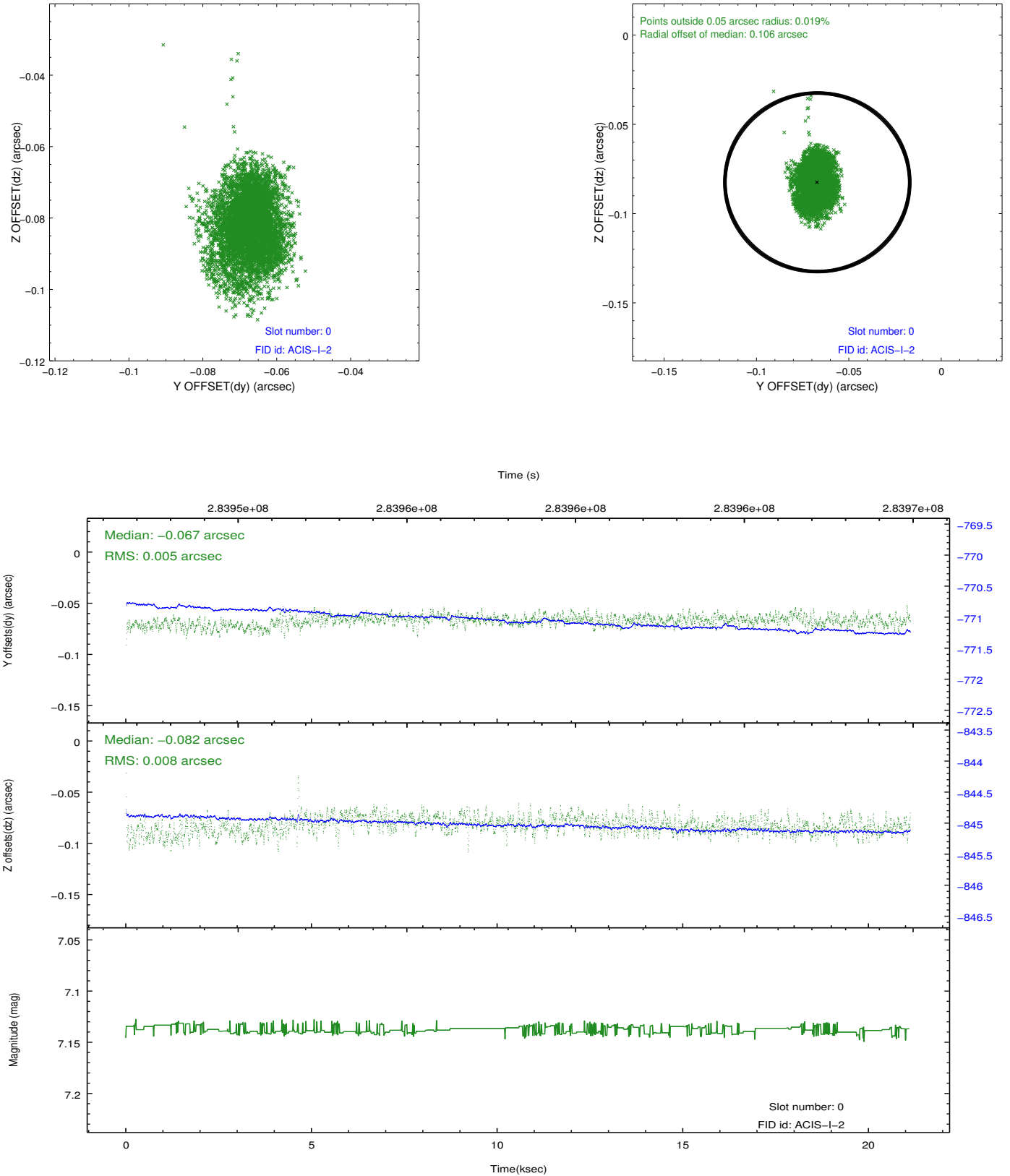


2.4.5 Slot 7

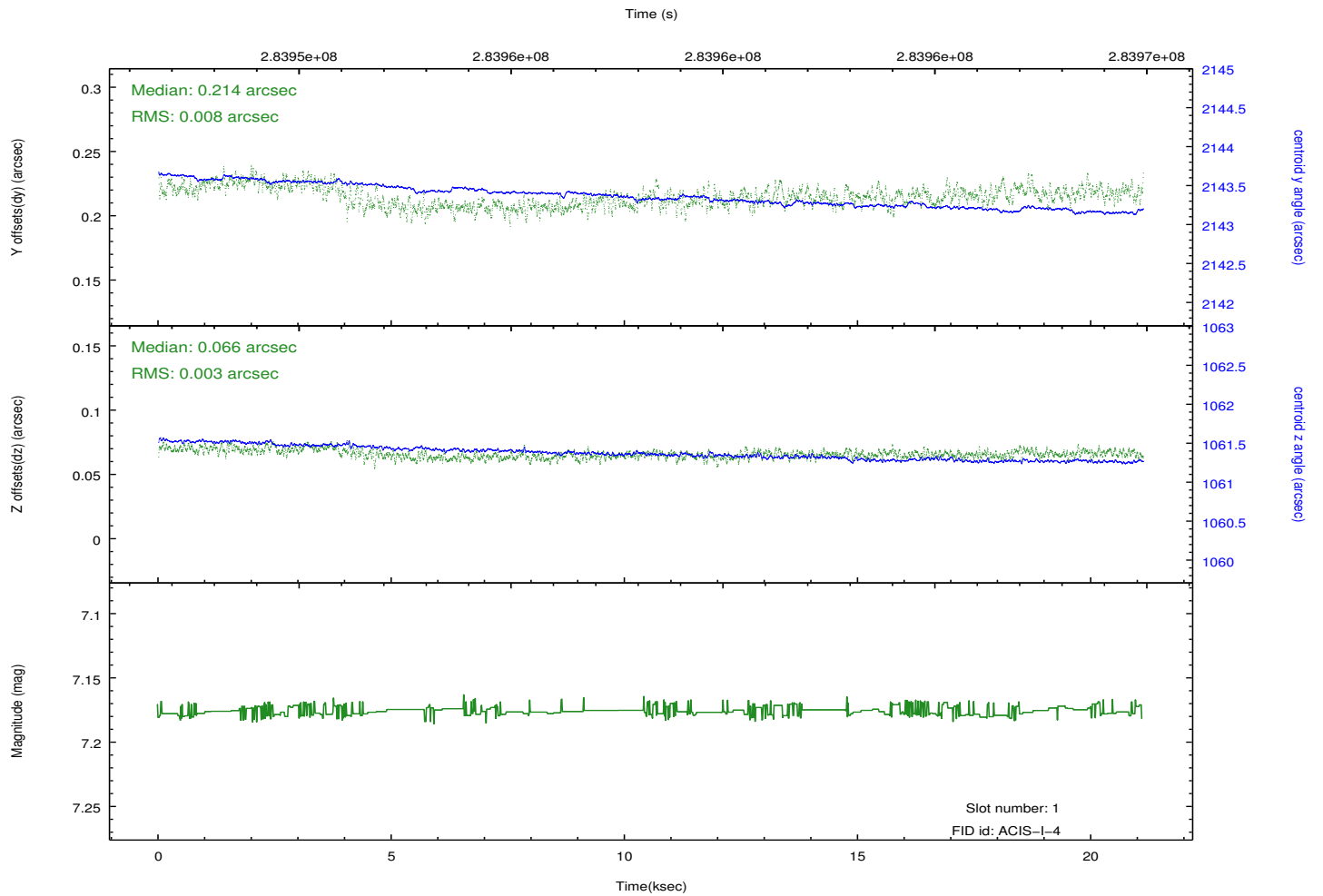
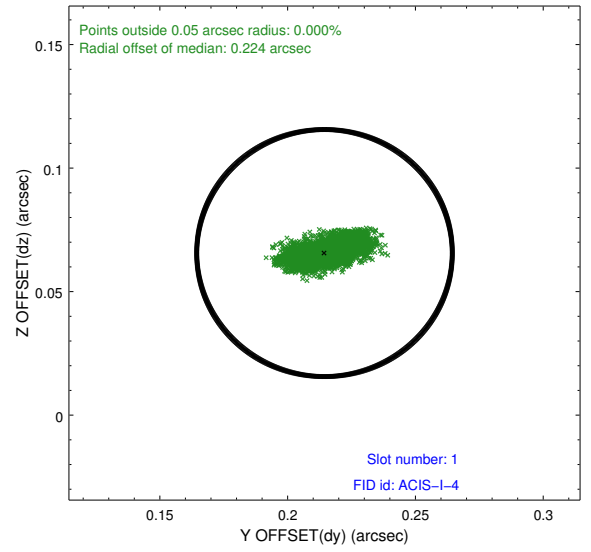
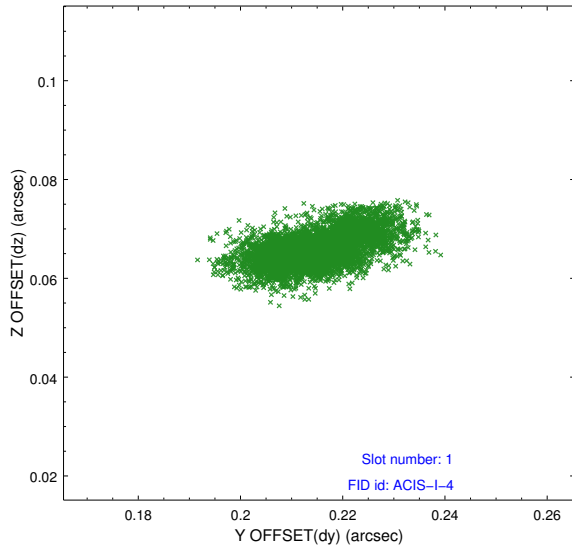


2.5 FID Slots

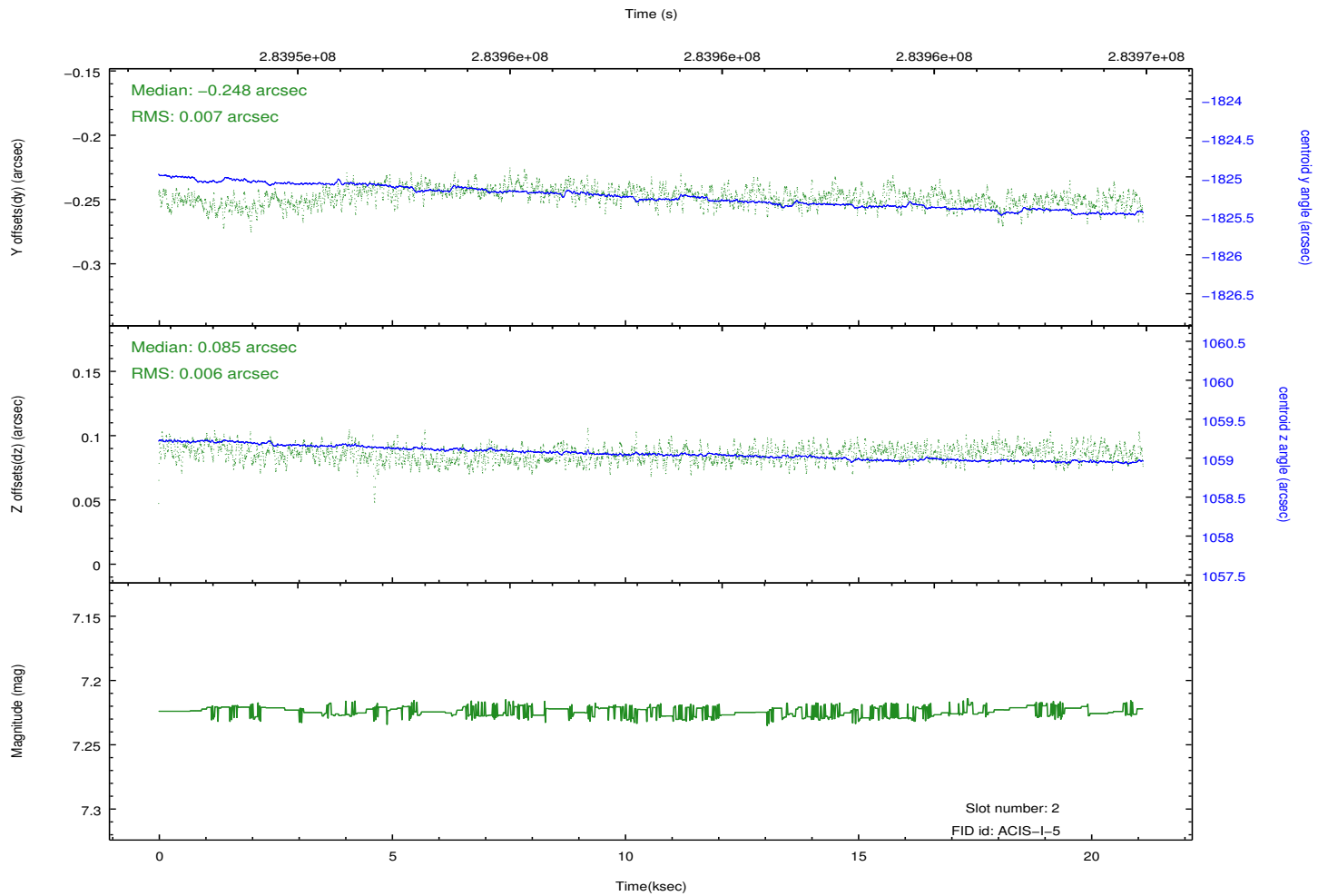
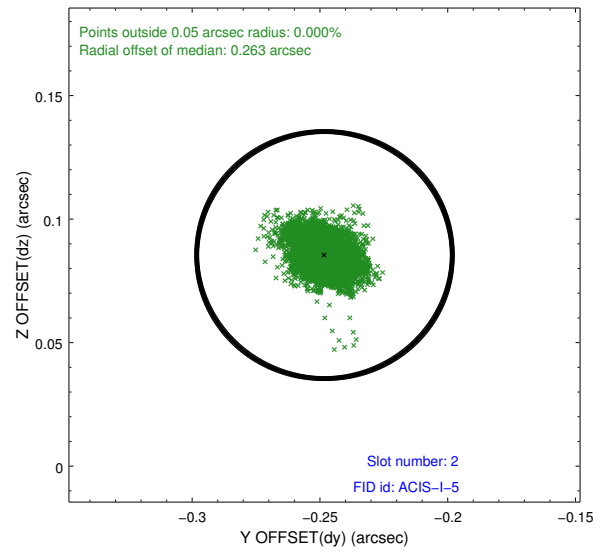
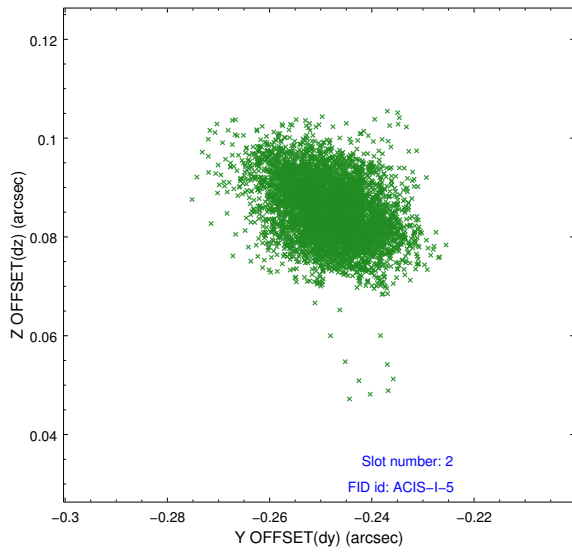
2.5.1 Slot 0



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)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.6719999

A.2 Comments

Roll preference met.