

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7997 - L2 Version 3
Chandra X-Ray Center

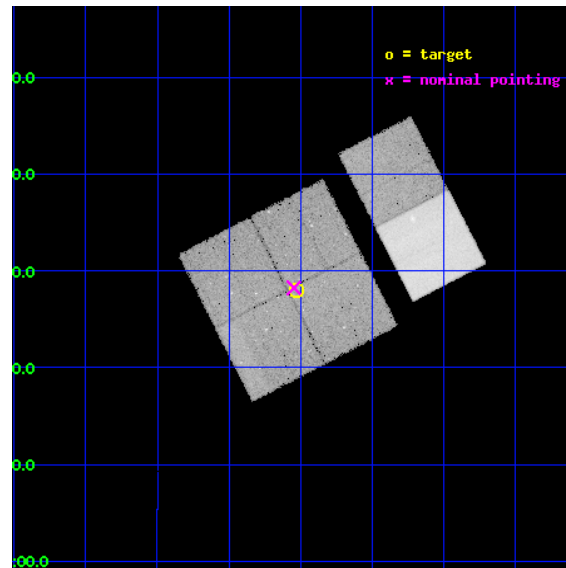
L2 Processing Date : Apr 16 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

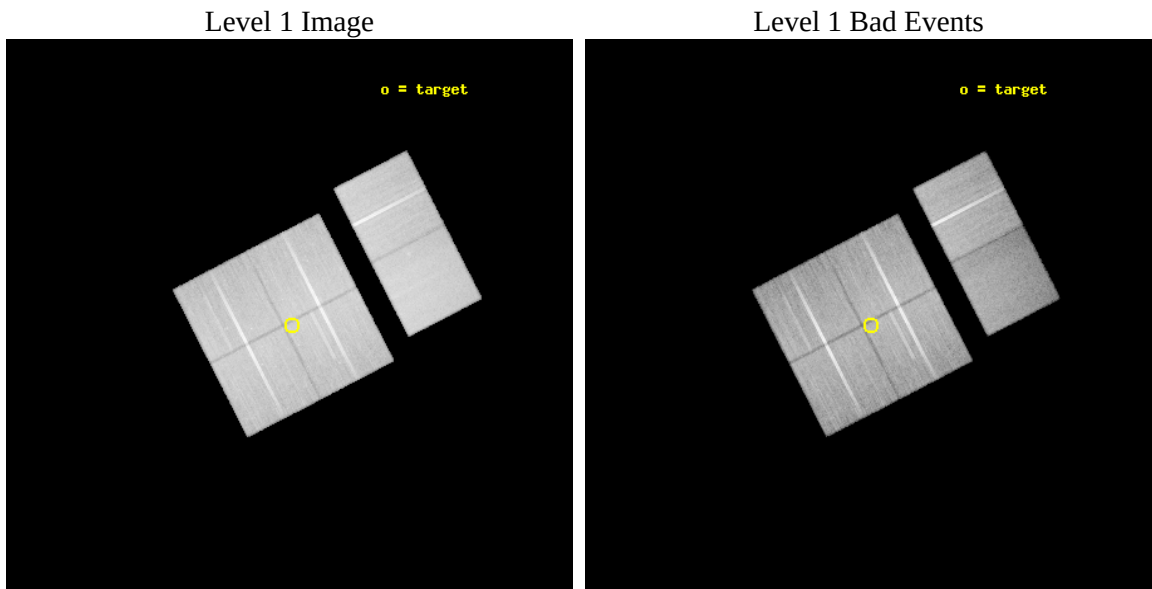
seq_num	900541	Sequence number
obs_id	7997	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS1-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.258004	Observer's specified target RA [deg]
dec_targ	2.467917	Observer's specified target Dec [deg]
ra_nom	150.26157130368	Nominal RA [deg]
dec_nom	2.4710067675668	Nominal Dec [deg]
roll_nom	62.770375381177	Nominal Roll [deg]
revision	3	Processing version of data
ontime	46025.558828235	Sum of GTIs [s]
livetime	45442.755489087	Livetime [s]
ontime0	46025.558828294	Sum of GTIs [s]
ontime1	46022.317838013	Sum of GTIs [s]
ontime2	46022.317907512	Sum of GTIs [s]
ontime3	46025.558828235	Sum of GTIs [s]
ontime6	46025.558838248	Sum of GTIs [s]
ontime7	46028.799828589	Sum of GTIs [s]
l2events	316107	Number of level 2 events



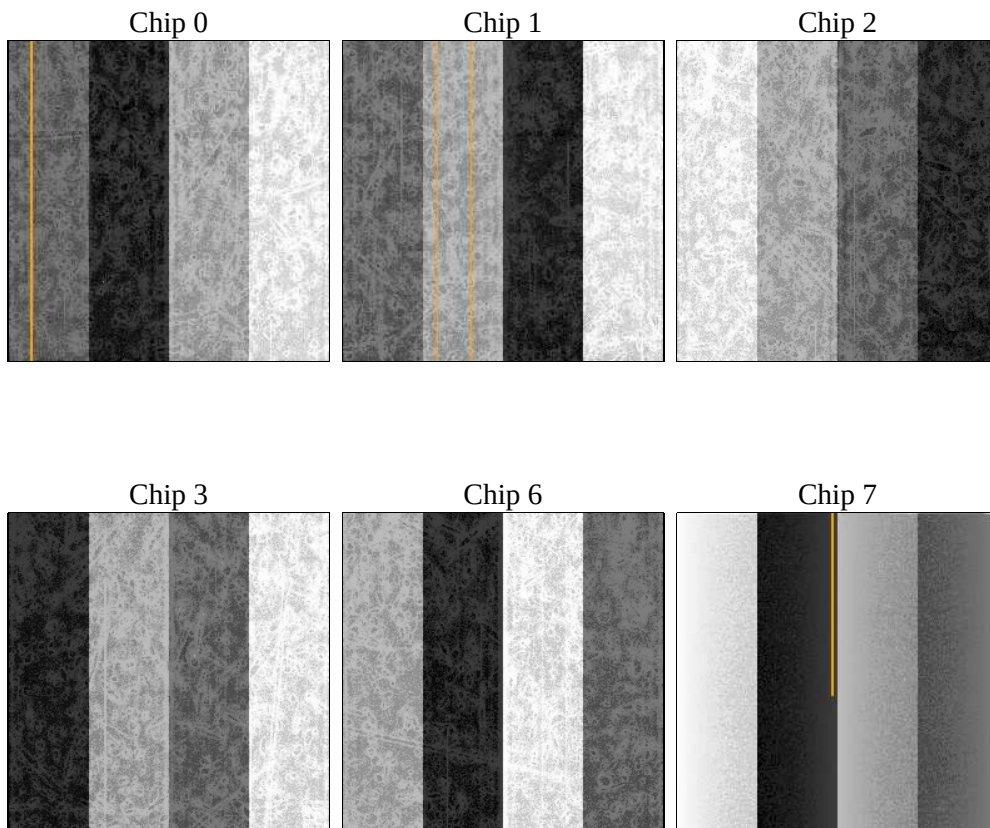
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	46000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	46025.558828235	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	46025.558828294	Sum of GTIs [s]
date	2012-04-16T07:42:21	Date and time of file creation	ontime1	46022.317838013	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	46022.317907512	Sum of GTIs [s]
			ontime3	46025.558828235	Sum of GTIs [s]
			ontime6	46025.558838248	Sum of GTIs [s]
			ontime7	46028.799828589	Sum of GTIs [s]
			l1events	2103396	Number of level 1 events

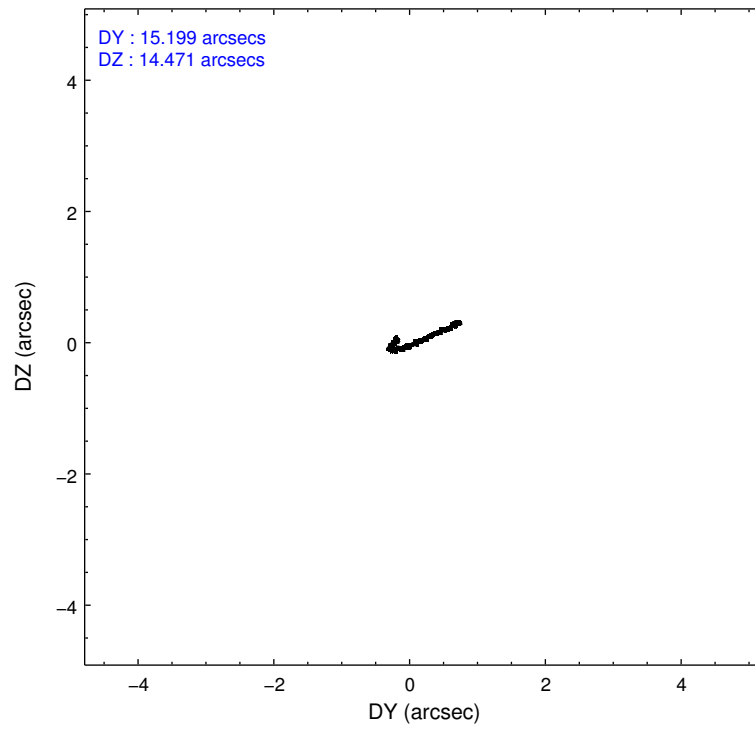
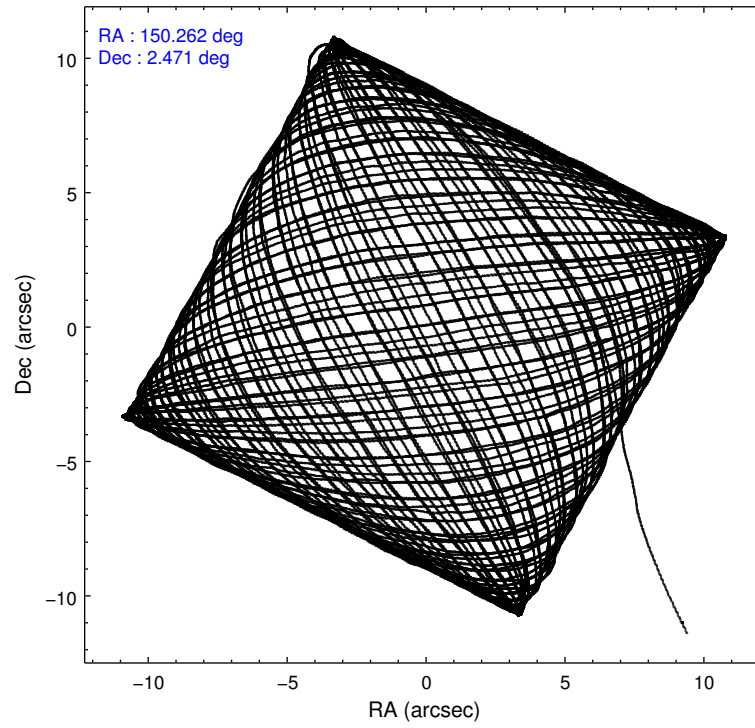
2.1.4 Events

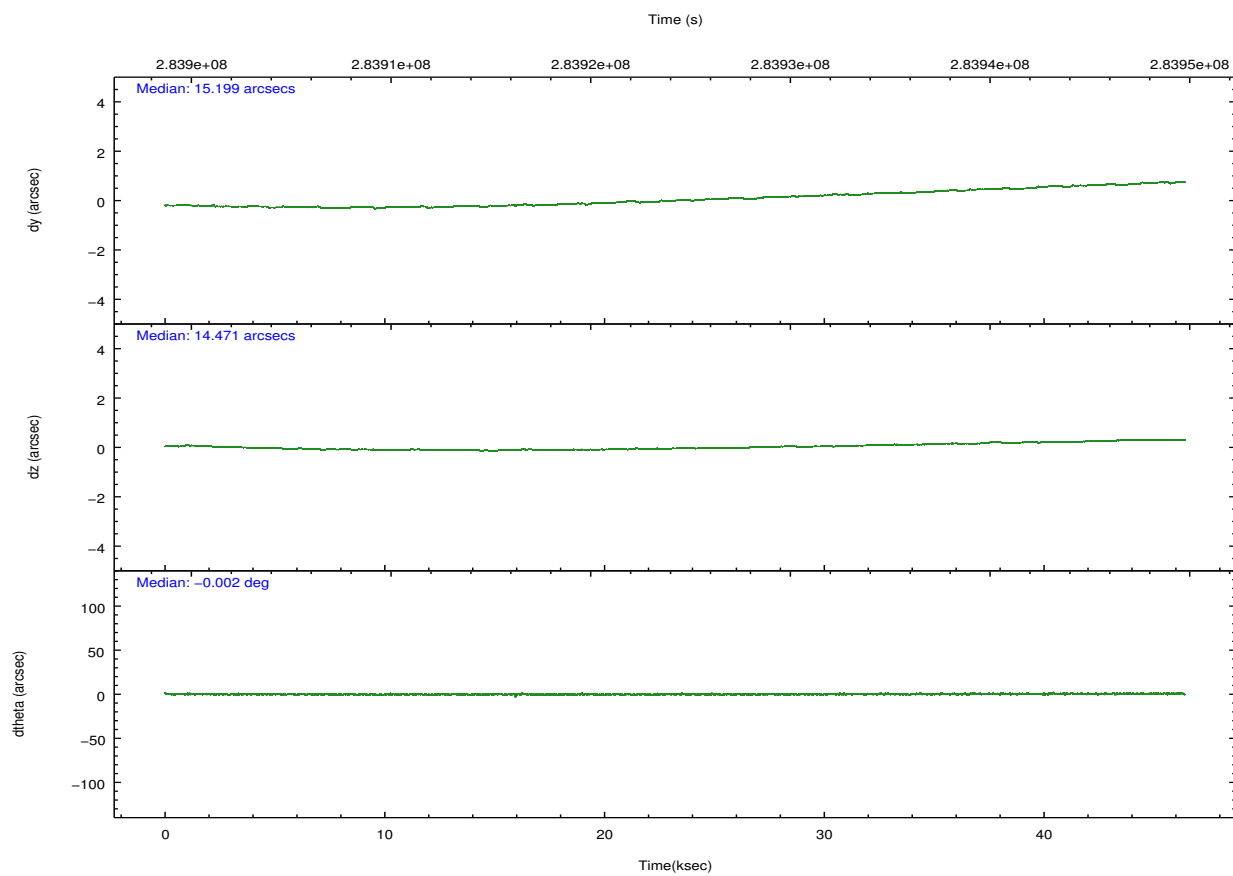
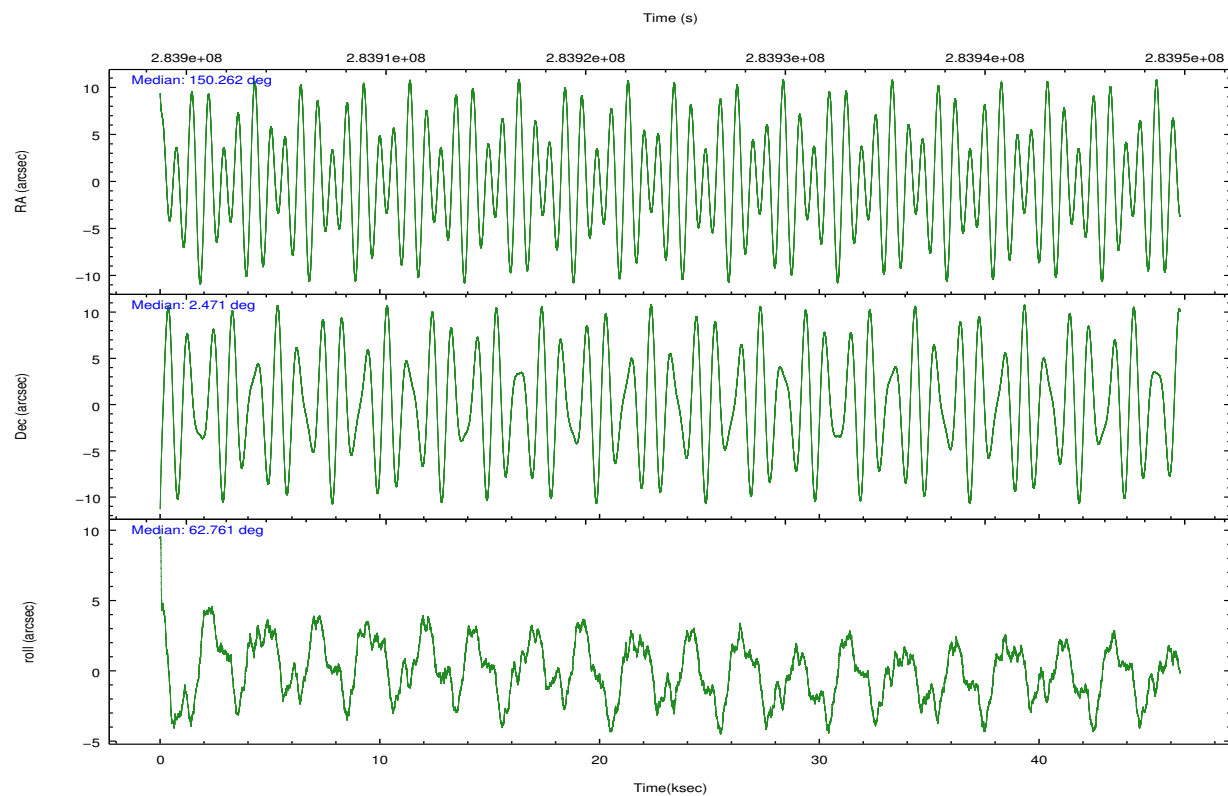
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	322393	327761	358468	346936	362218	385620	grade 0 events	12196	13969	12439	11479	12688	16701
rejected events	287996	289445	324700	314664	326017	209730		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	90%	90%	90%	54%	grade 1 events	193	199	189	202	176	449
								0%	0%	0%	0%	0%	0%
							grade 2 events	8122	8478	7879	6965	7973	35004
								2%	2%	2%	2%	2%	9%
							grade 3 events	3829	4214	3591	3710	3954	16188
								1%	1%	1%	1%	1%	4%
							grade 4 events	3656	4168	3644	3672	3798	15984
								1%	1%	1%	1%	1%	4%
							grade 5 events	11459	13036	11204	13812	14198	40382
								3%	3%	3%	3%	3%	10%
							grade 6 events	6600	7491	6223	6446	7795	92031
								2%	2%	1%	1%	2%	23%
							grade 7 events	276338	276206	313299	300650	311636	168881
								85%	84%	87%	86%	86%	43%

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	150.263005	150.2615713036805	CCD I2 on	Y	Y
[deg] Pointing Dec	2.443538	2.471006767566785	CCD I3 on	Y	Y
[deg] Pointing Roll	62.561627	62.77037538117683	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)	283901435.184000	283900317.16303	CCD S5 on	N	N
Observation start date	2006-12-30T21:29:30	2006-12-30T21:11:57	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	283947435.184000	283947569.66527	On-chip summing requested	N	N
Observation end date	2006-12-31T10:16:10	2006-12-31T10:19:29	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



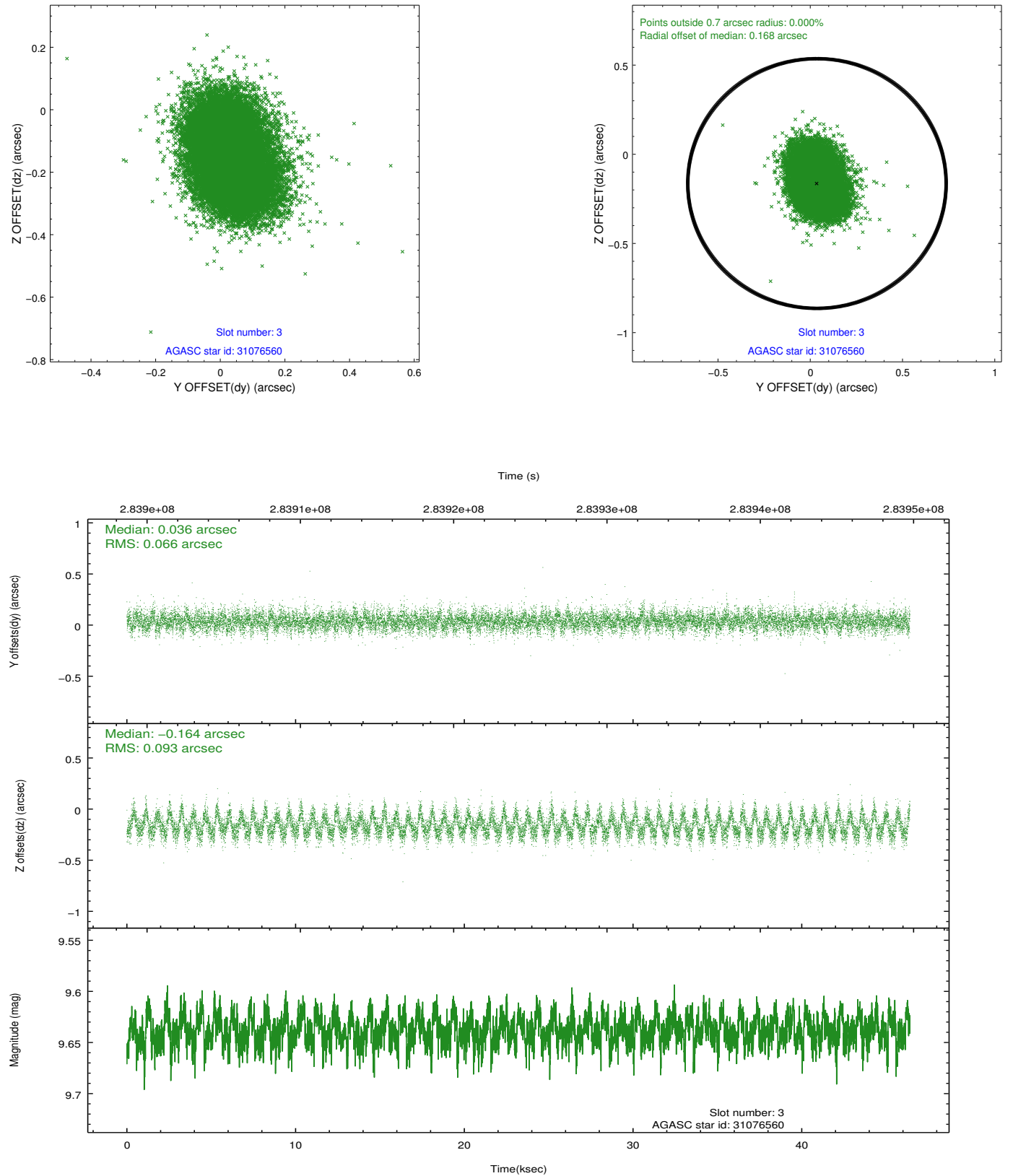


Slot Statistics

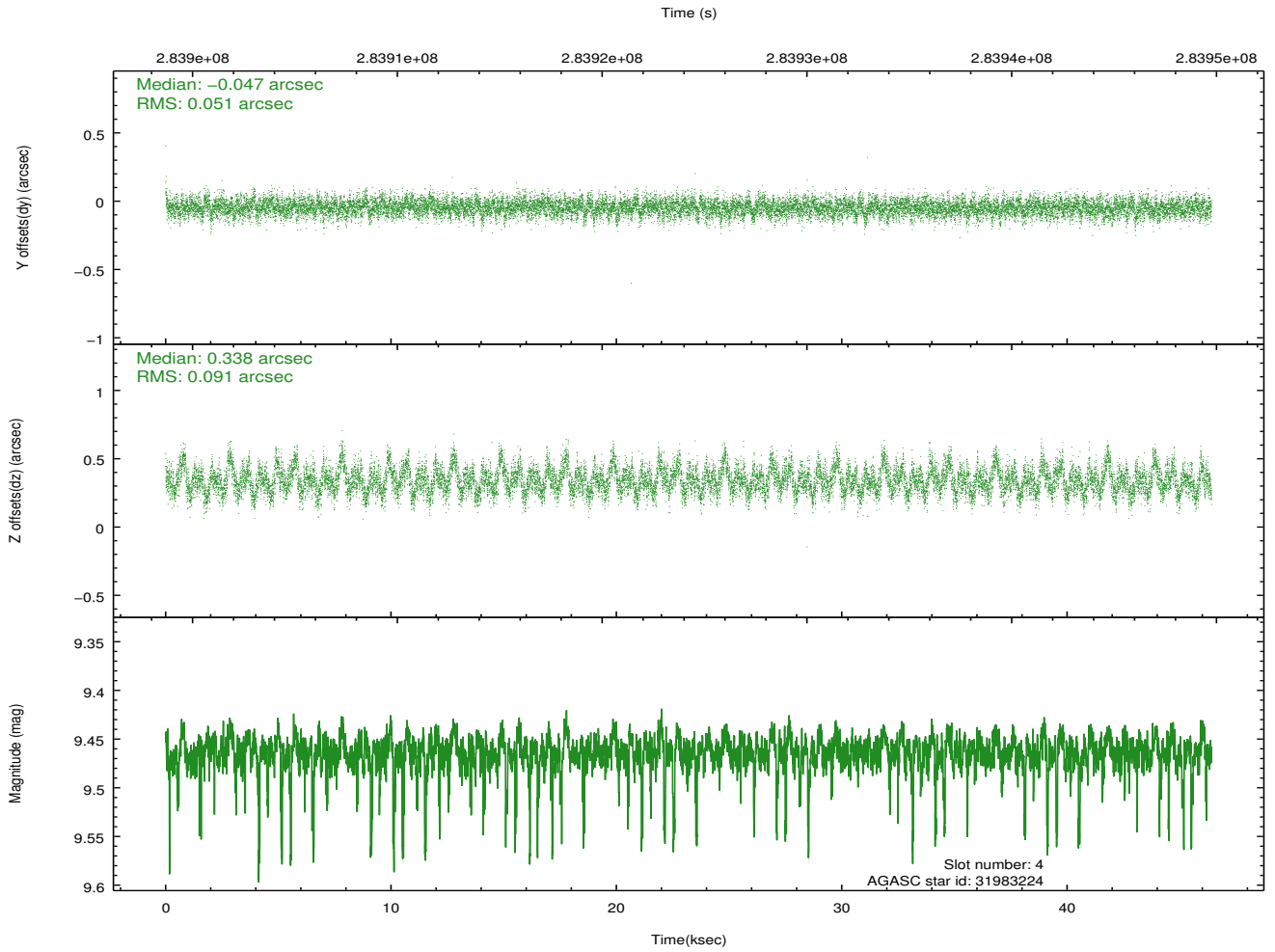
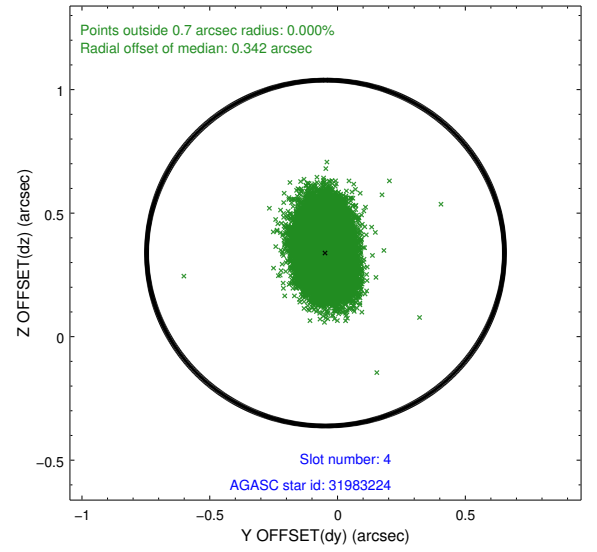
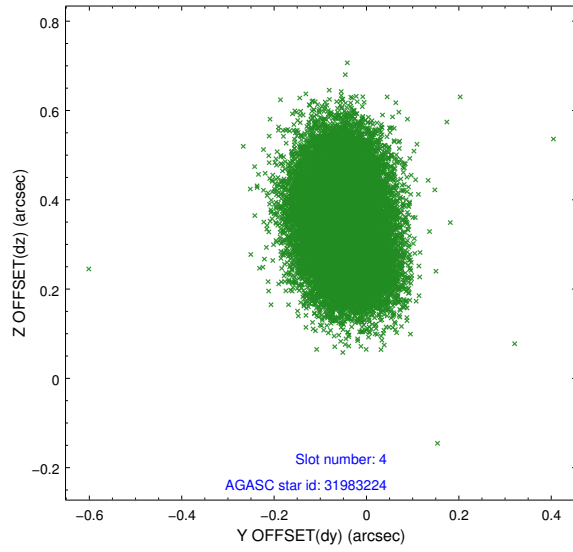
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11319	0.039	-0.004	0.010	0.020	0.000000	0.000000	924.21	-838.09
1	FID	ACIS-I-5	7.23	11320	-0.235	0.037	0.006	0.011	0.000000	0.000000	-1824.18	1059.43
2	FID	ACIS-I-6	7.25	11318	0.105	0.037	0.010	0.018	0.000000	0.000000	389.82	1703.94
3	GUIDE	31076560	9.64	22607	0.036	-0.164	0.121	0.198	149.884782	2.009277	-2014.31	487.07
4	GUIDE	31983224	9.46	22532	-0.047	0.338	0.109	0.187	150.543757	1.869948	-1366.63	-1847.52
5	GUIDE	31983336	8.60	22627	0.194	0.036	0.071	0.114	150.429924	2.291234	-209.36	-785.22
6	GUIDE	32374896	9.22	22621	-0.210	0.051	0.080	0.130	150.682269	2.512794	916.48	-1222.84
7	GUIDE	31075128	9.33	22613	0.024	-0.270	0.091	0.147	149.584516	2.364347	-1377.07	2034.72

2.4 Star Slots

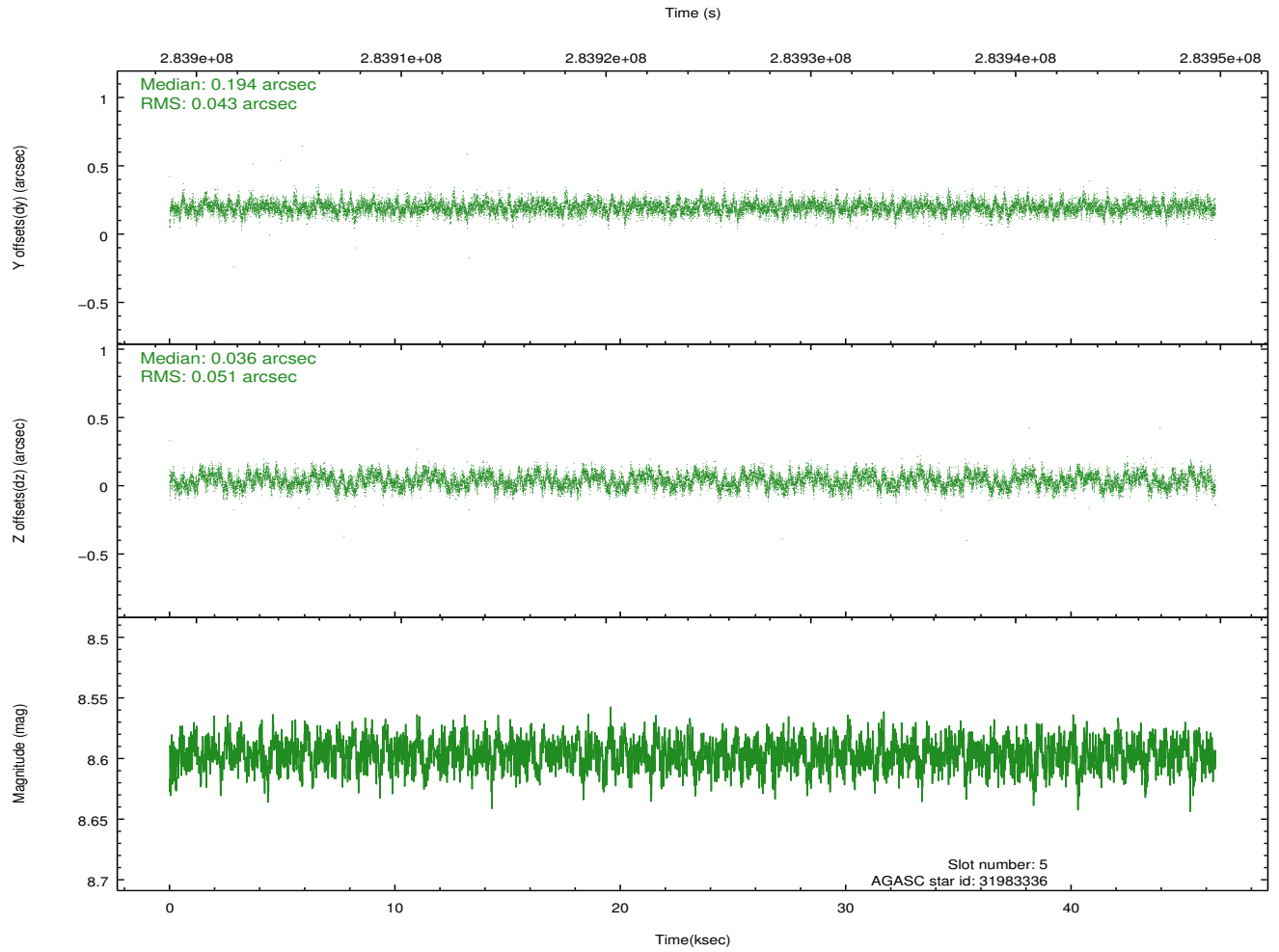
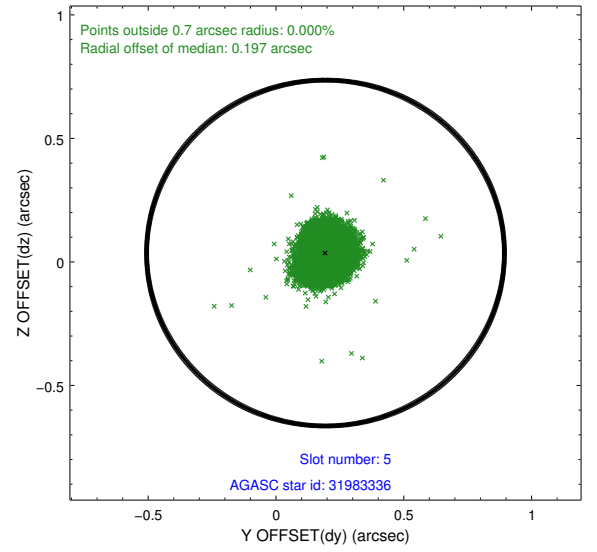
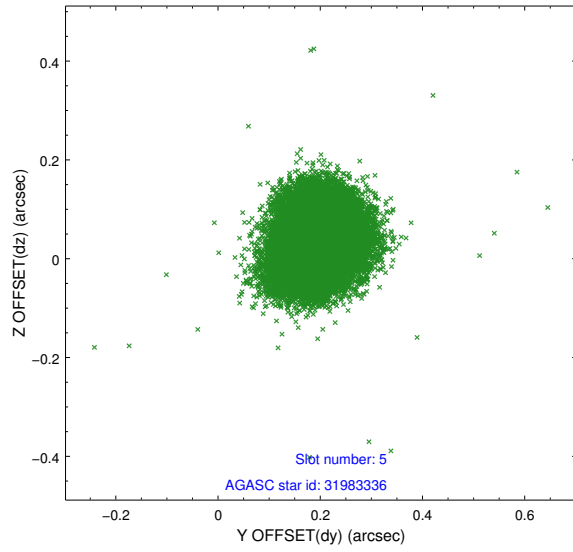
2.4.1 Slot 3



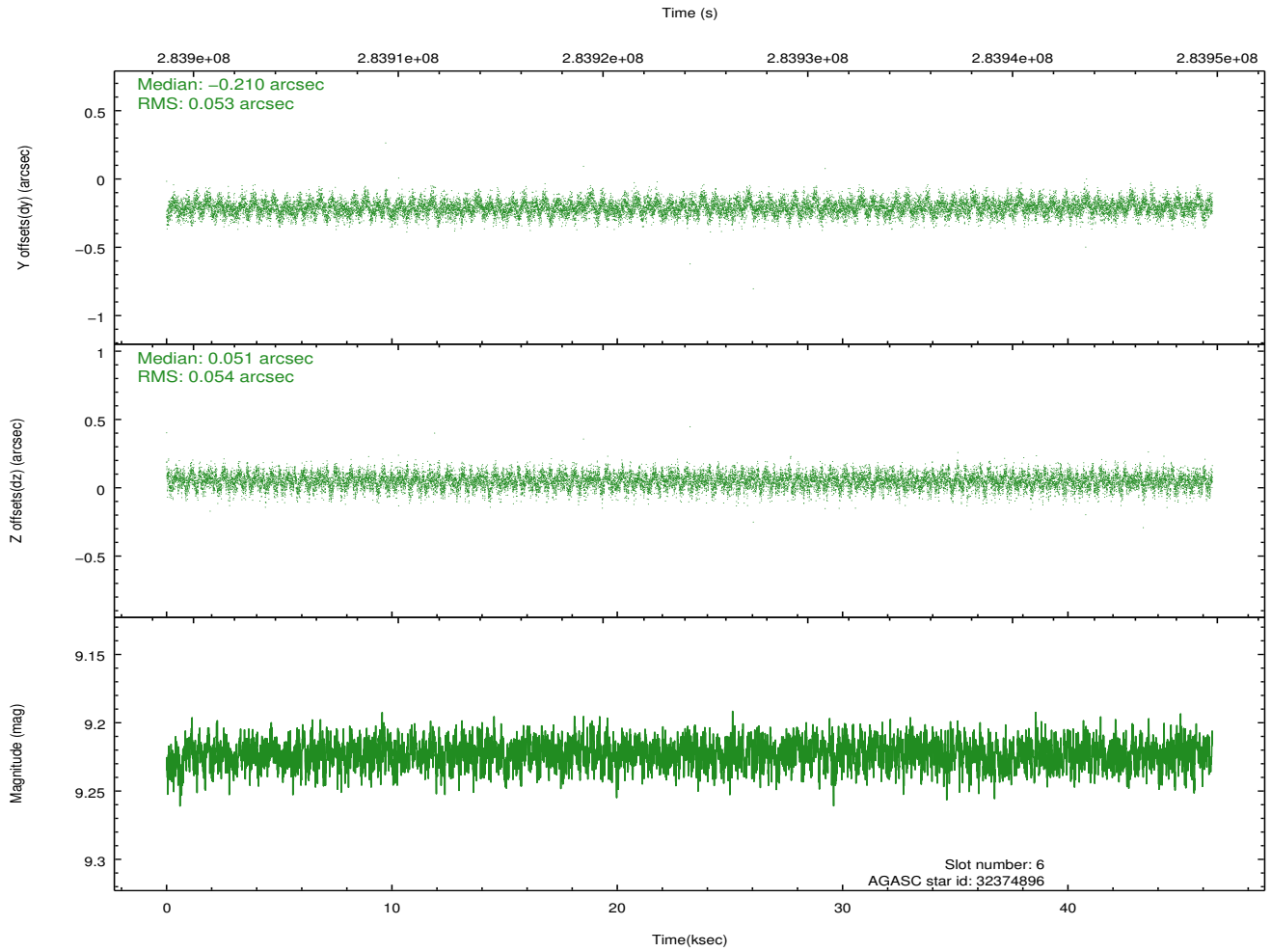
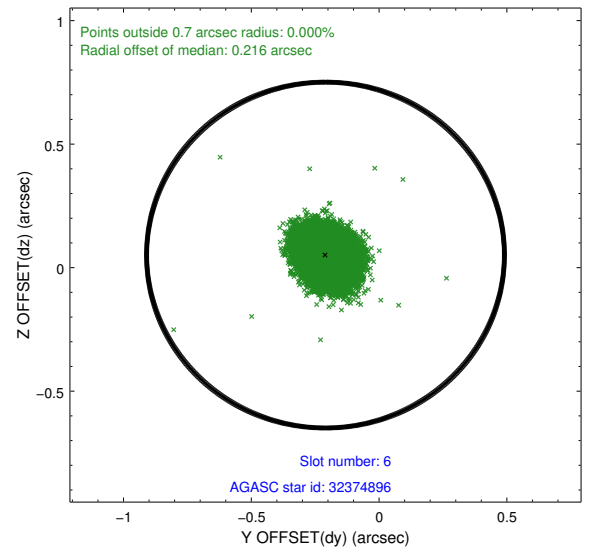
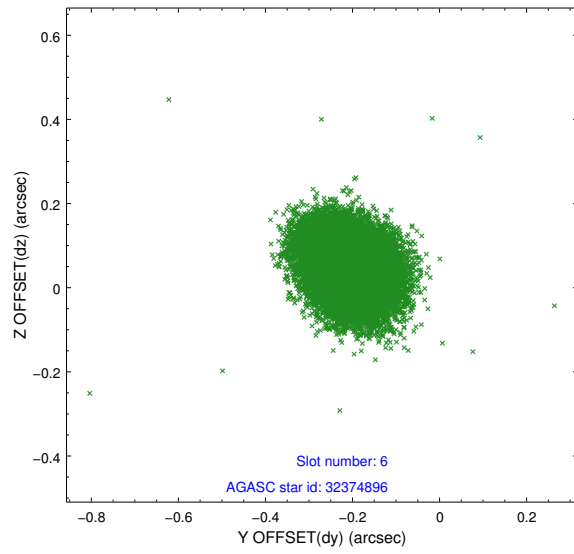
2.4.2 Slot 4



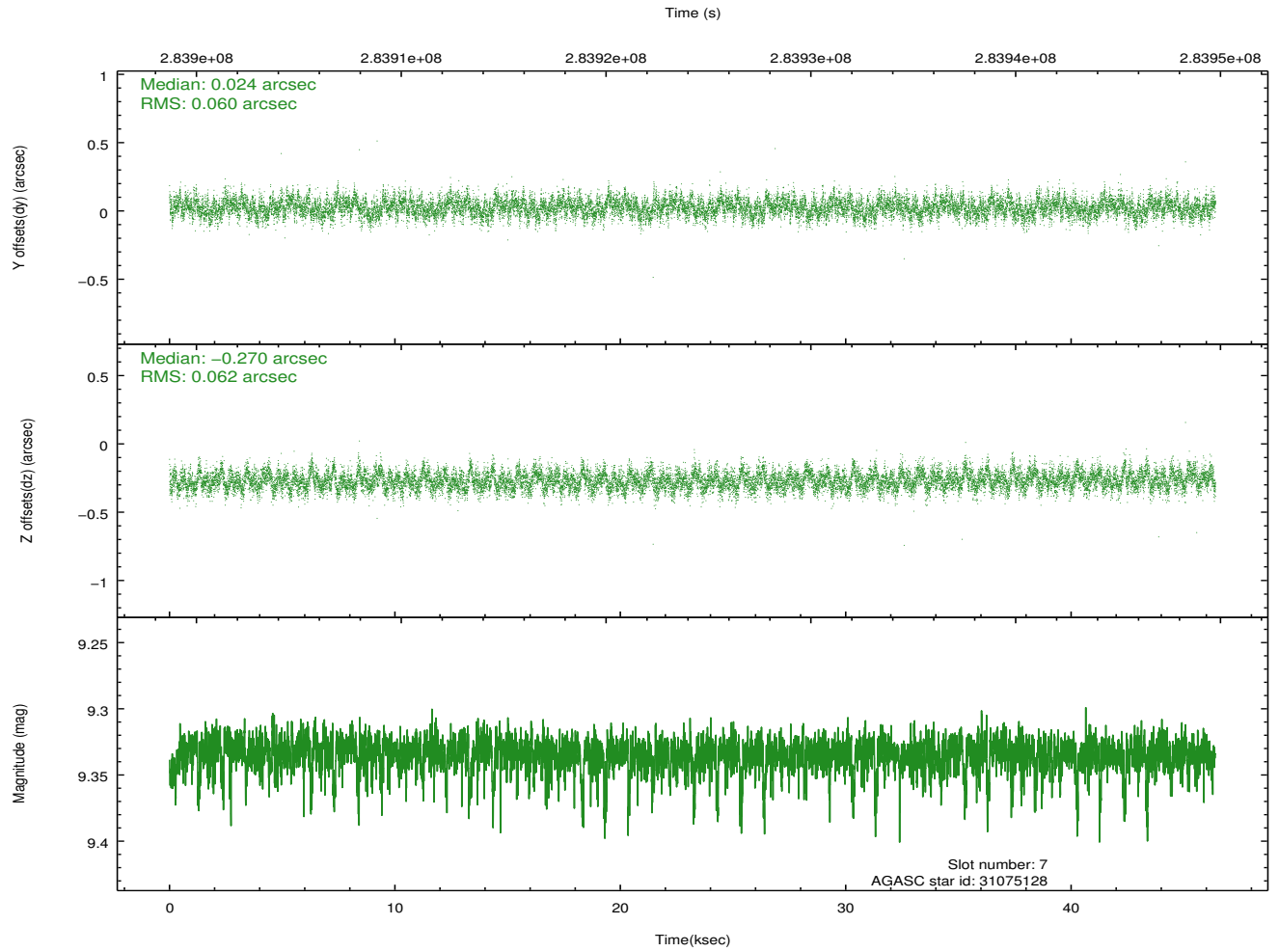
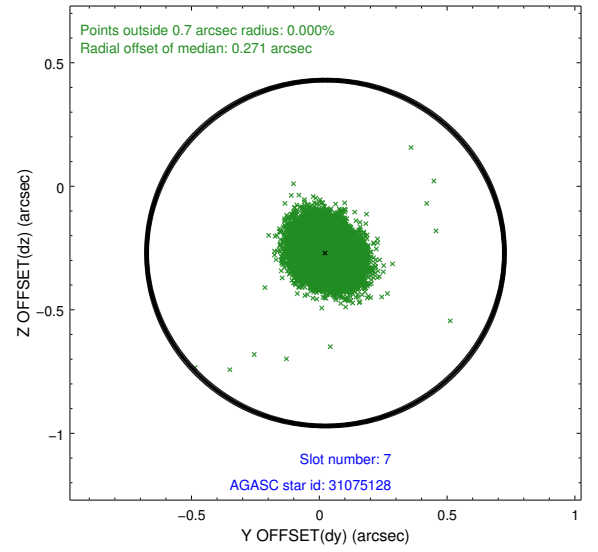
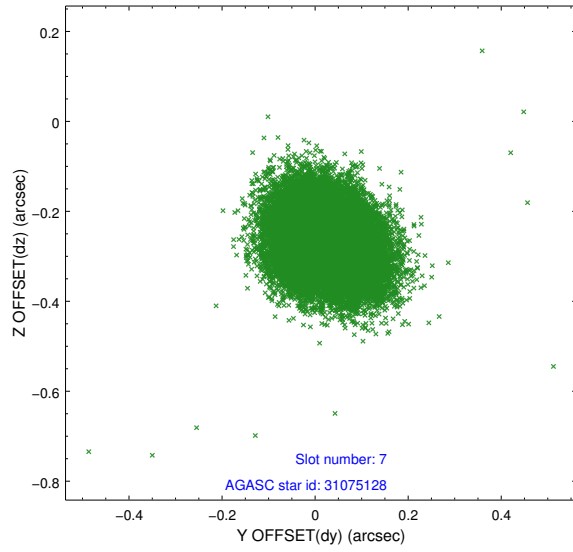
2.4.3 Slot 5



2.4.4 Slot 6

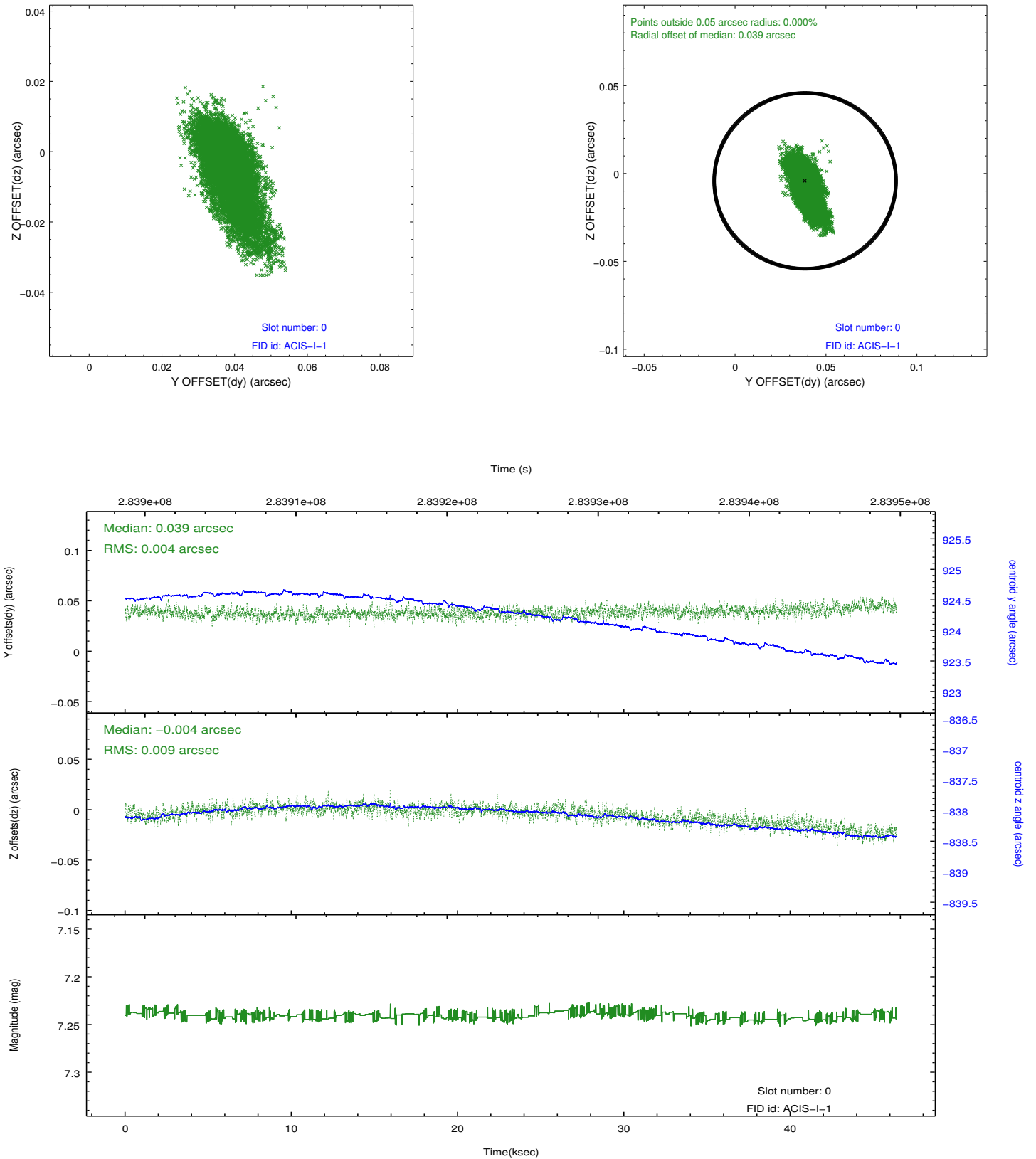


2.4.5 Slot 7

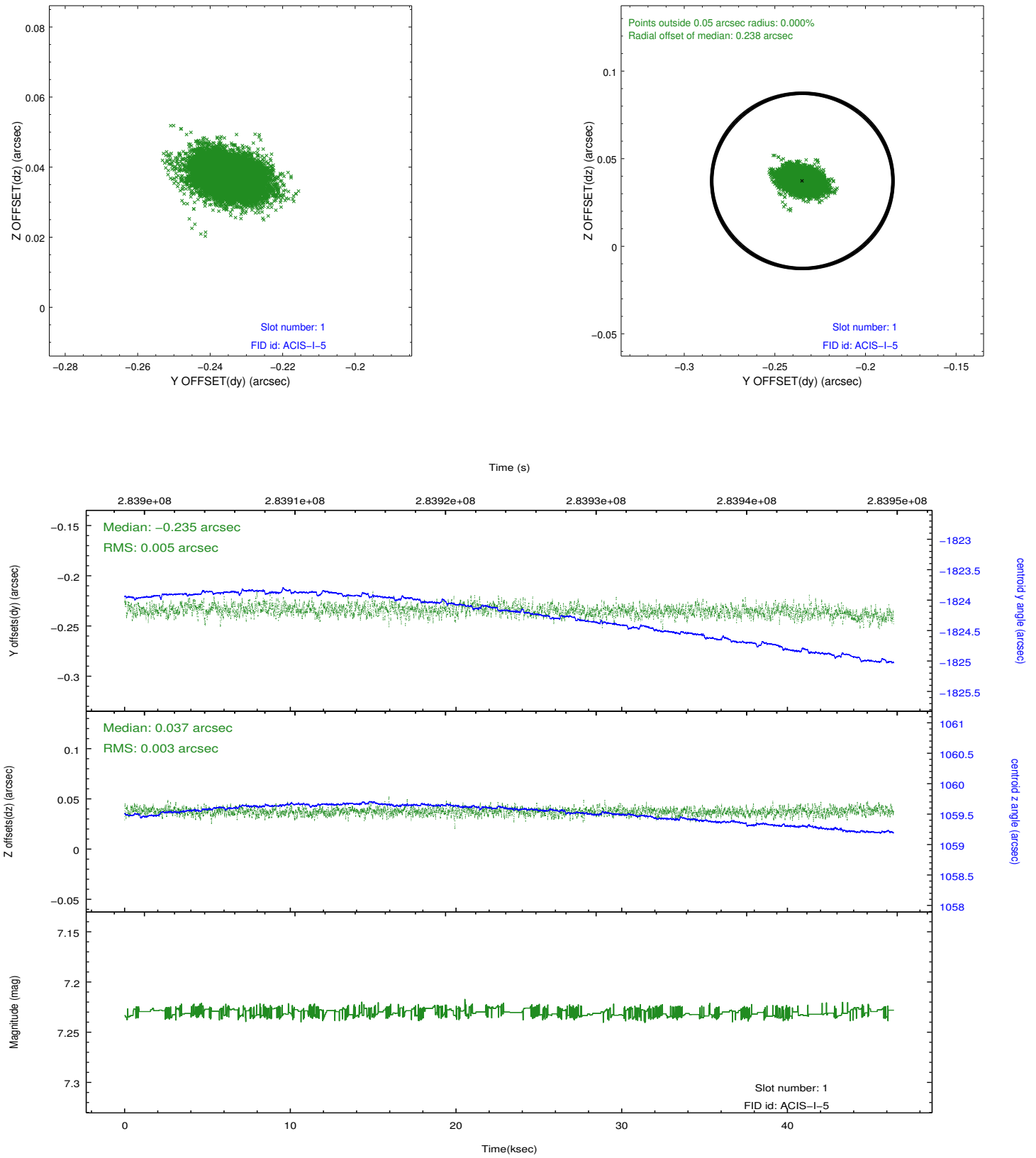


2.5 FID Slots

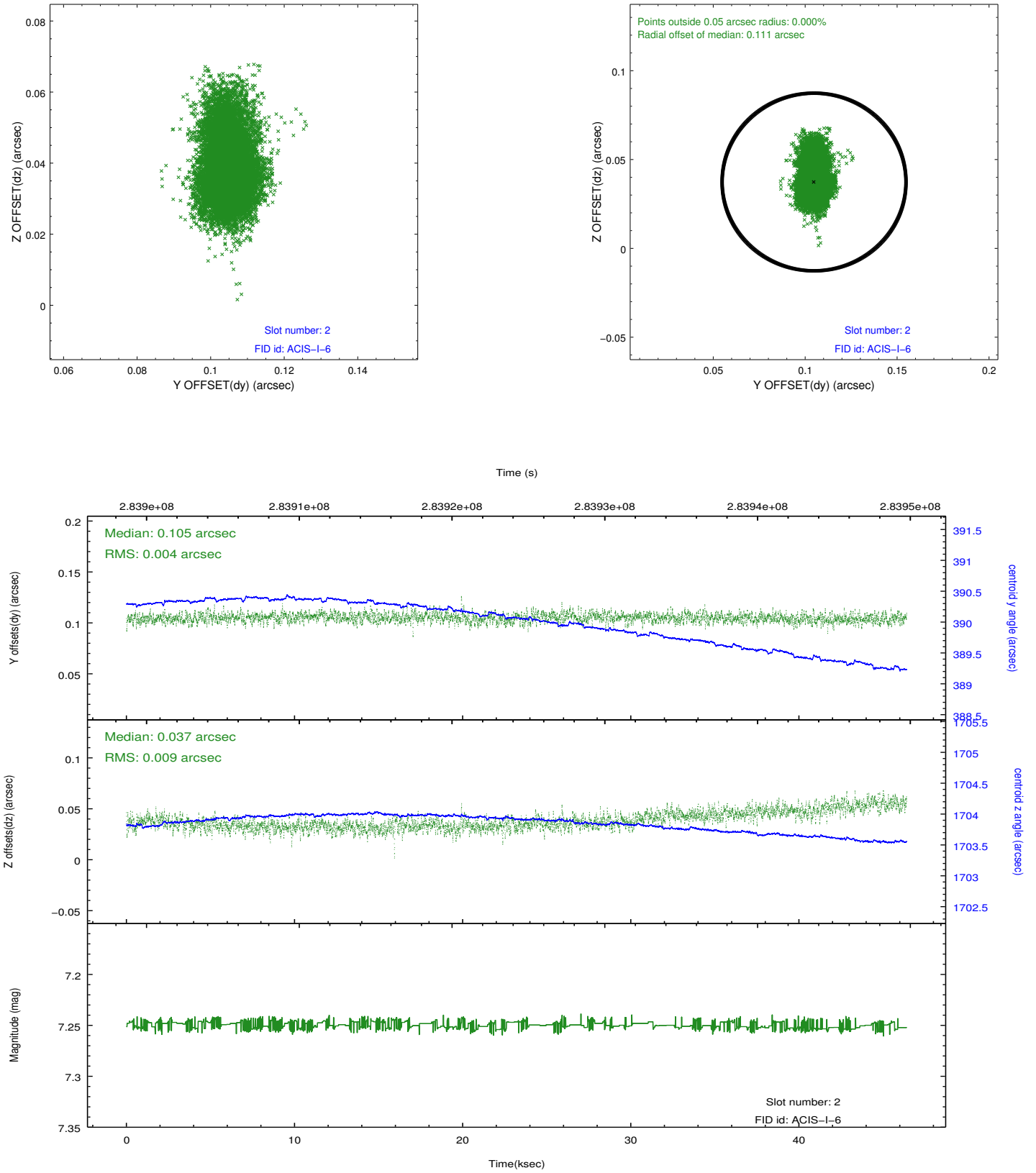
2.5.1 Slot 0



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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.0255588

A.2 Comments

Roll preference met.