

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8017 - L2 Version 3
Chandra X-Ray Center

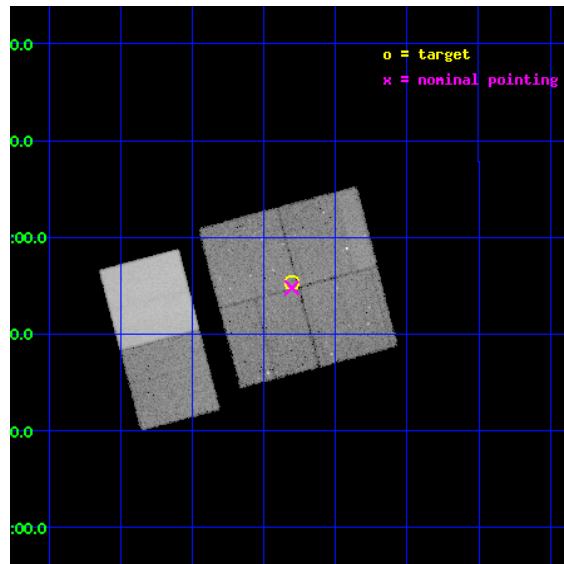
L2 Processing Date : Apr 22 2012

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

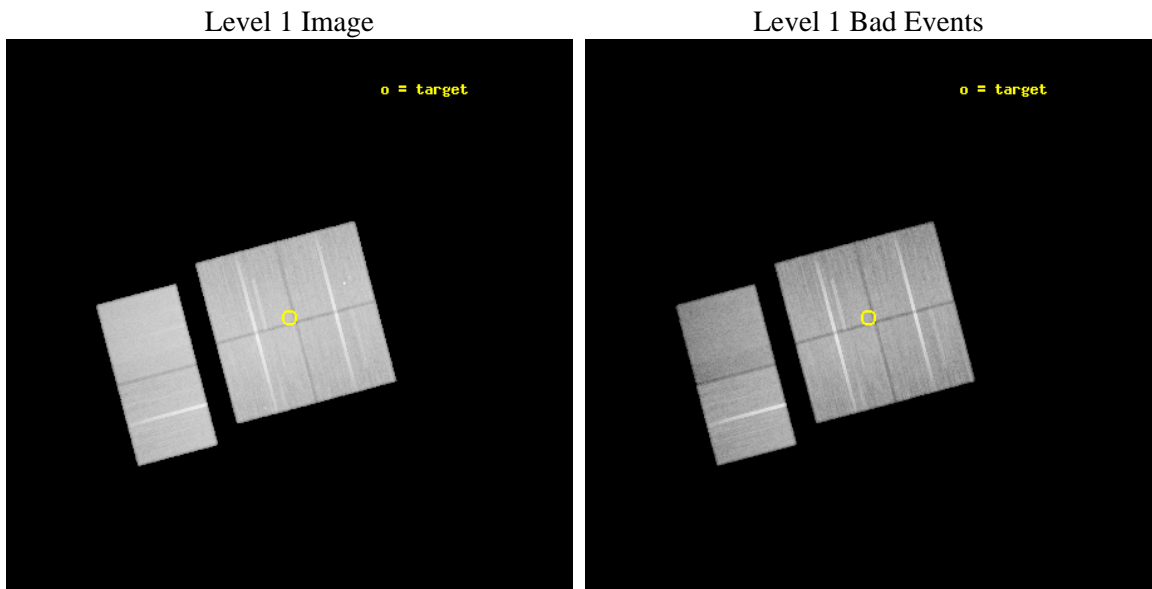
seq_num	900561	Sequence number
obs_id	8017	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS5-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.200754	Observer's specified target RA [deg]
dec_targ	1.921208	Observer's specified target Dec [deg]
ra_nom	150.20109876433	Nominal RA [deg]
dec_nom	1.9131286980244	Nominal Dec [deg]
roll_nom	255.20867708401	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47347.11781317	Sum of GTIs [s]
livetime	46747.580098408	Livetime [s]
ontime0	47350.320511997	Sum of GTIs [s]
ontime1	47343.876812935	Sum of GTIs [s]
ontime2	47350.358823359	Sum of GTIs [s]
ontime3	47347.11781317	Sum of GTIs [s]
ontime6	47353.599823654	Sum of GTIs [s]
ontime7	47353.599823654	Sum of GTIs [s]
l2events	335243	Number of level 2 events



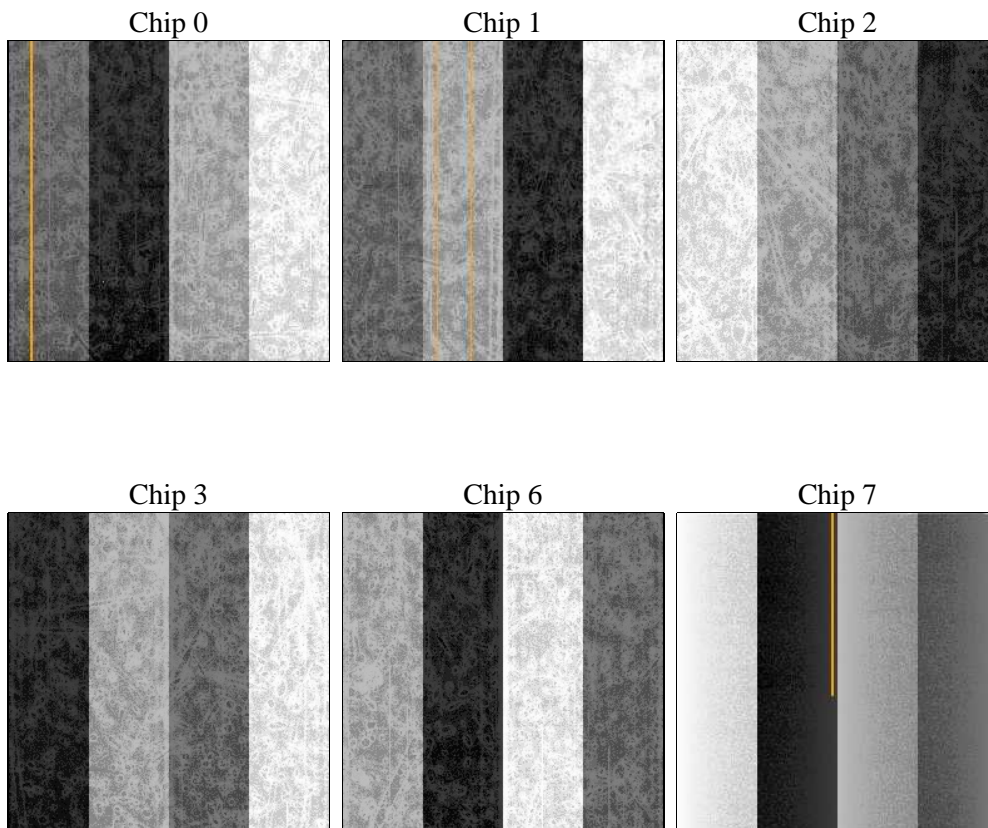
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	47600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	47347.11781317	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	47350.320511997	Sum of GTIs [s]
date	2012-04-22T21:23:57	Date and time of file creation	ontime1	47343.876812935	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	47350.358823359	Sum of GTIs [s]
			ontime3	47347.11781317	Sum of GTIs [s]
			ontime6	47353.599823654	Sum of GTIs [s]
			ontime7	47353.599823654	Sum of GTIs [s]
			l1events	2256091	Number of level 1 events

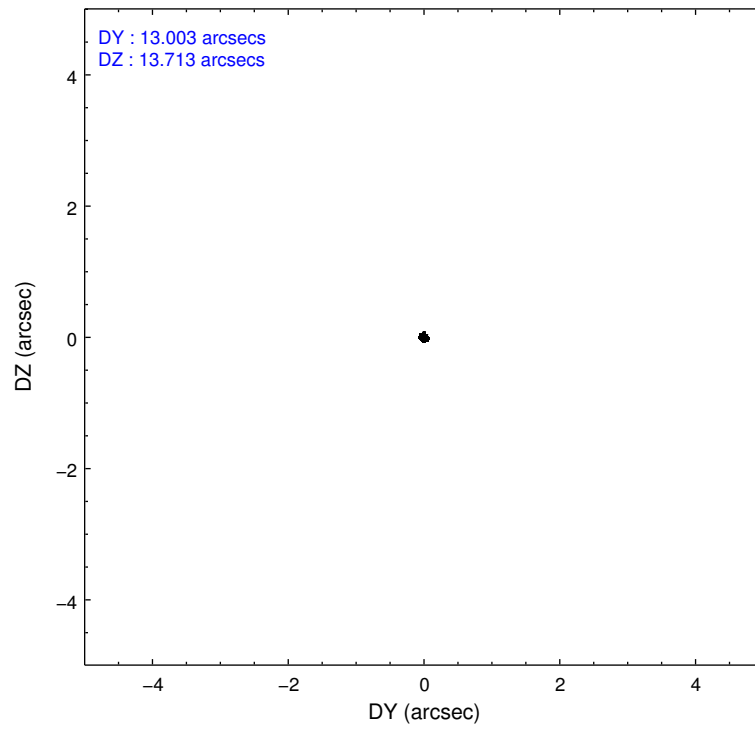
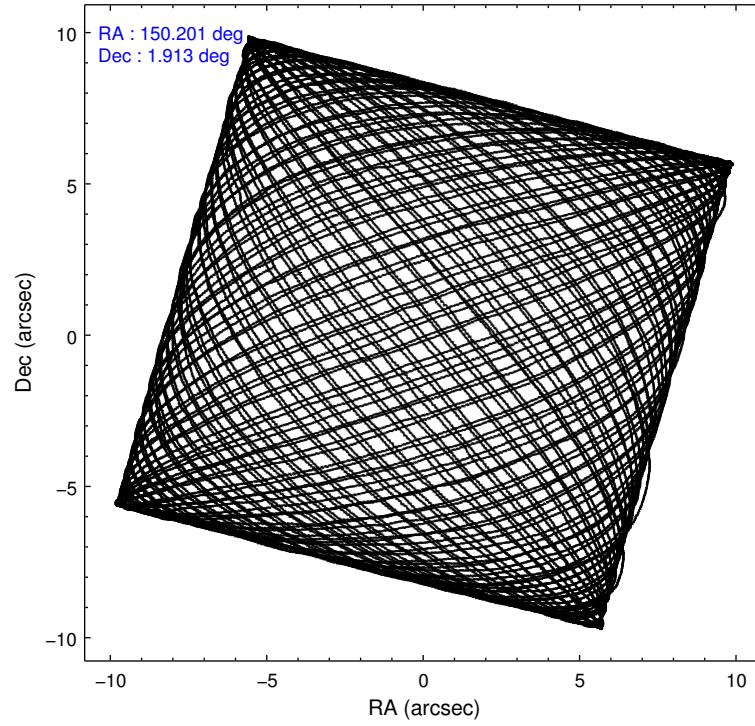
2.1.4 Events

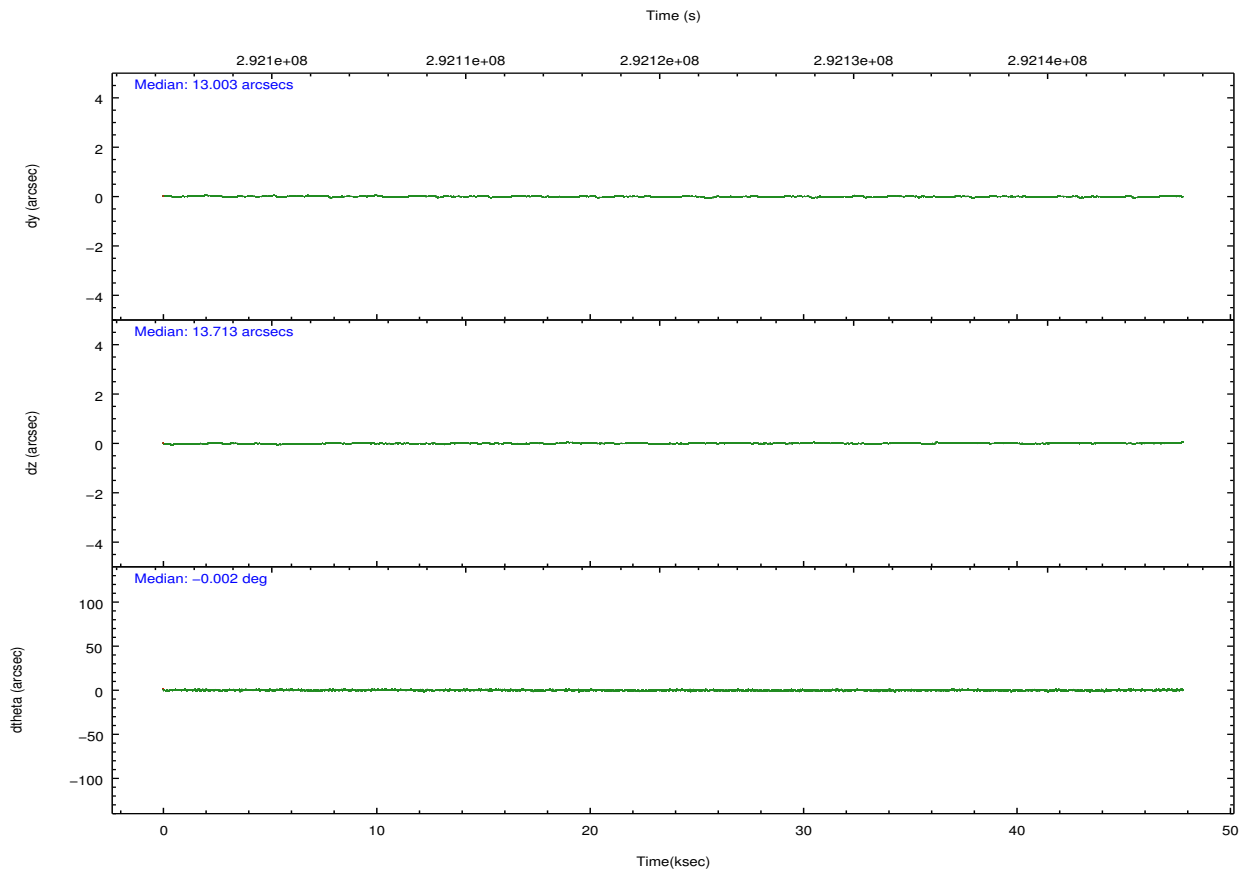
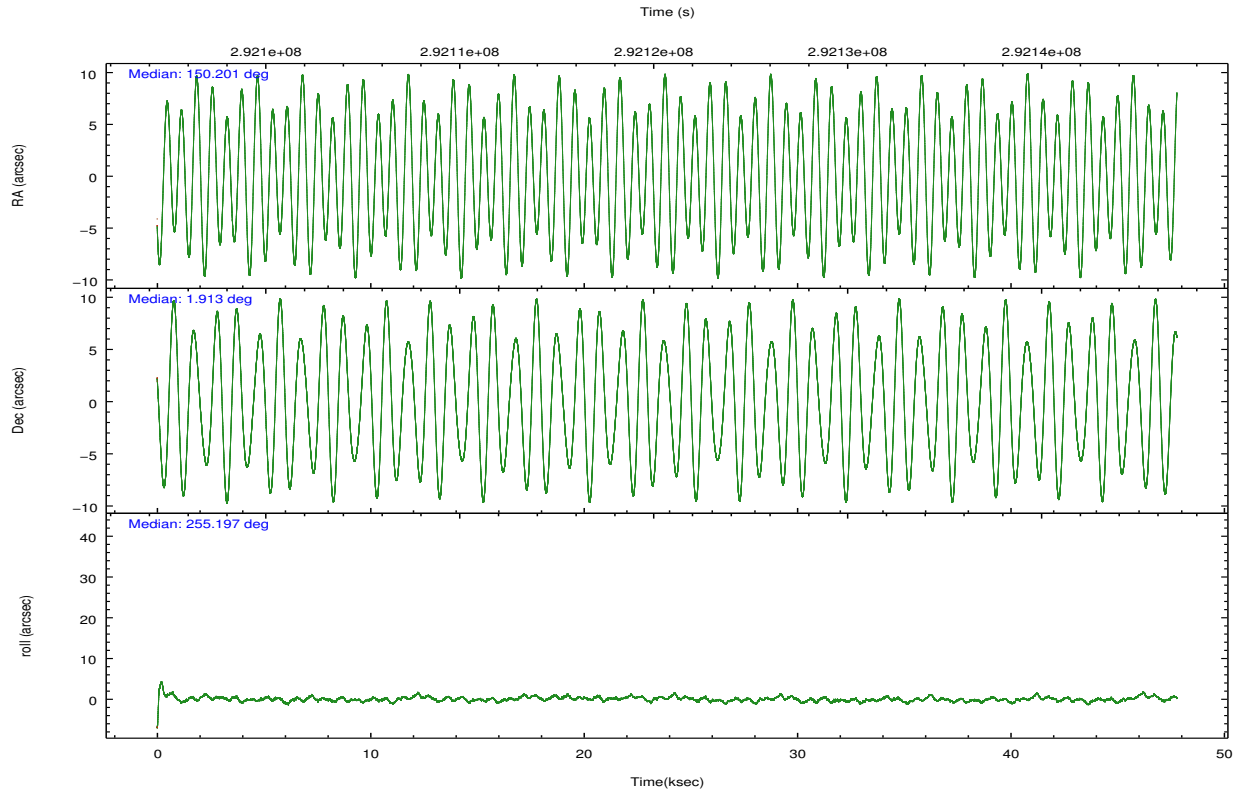
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	346754	348381	393259	369357	385886	412454	grade 0 events	12434	15500	12868	12514	12522	17368
rejected events	310953	306877	357713	334577	348301	225731		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	90%	90%	90%	54%	grade 1 events	173	236	181	210	192	506
								0%	0%	0%	0%	0%	0%
							grade 2 events	8485	9185	8432	7438	8413	37467
								2%	2%	2%	2%	2%	9%
							grade 3 events	4130	4321	3797	3952	4177	17288
								1%	1%	0%	1%	1%	4%
							grade 4 events	3836	4347	3798	3862	4061	16844
								1%	1%	0%	1%	1%	4%
							grade 5 events	12375	13856	12050	14913	15288	43604
								3%	3%	3%	4%	3%	10%
							grade 6 events	6917	8154	6651	7017	8414	97769
								1%	2%	1%	1%	2%	23%
							grade 7 events	298404	292782	345482	319451	332819	181608
								86%	84%	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	150.193788	150.2010987643343	CCD I2 on	Y	Y
[deg] Pointing Dec	1.939641	1.913128698024356	CCD I3 on	Y	Y
[deg] Pointing Roll	255.000234	255.2086770840125	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)	292096973.184000	292096597.8273	CCD S5 on	N	N
Observation start date	2007-04-04T18:01:48	2007-04-04T17:56:37	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	292144573.184000	292144708.25459	On-chip summing requested	N	N
Observation end date	2007-04-05T07:15:08	2007-04-05T07:18:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



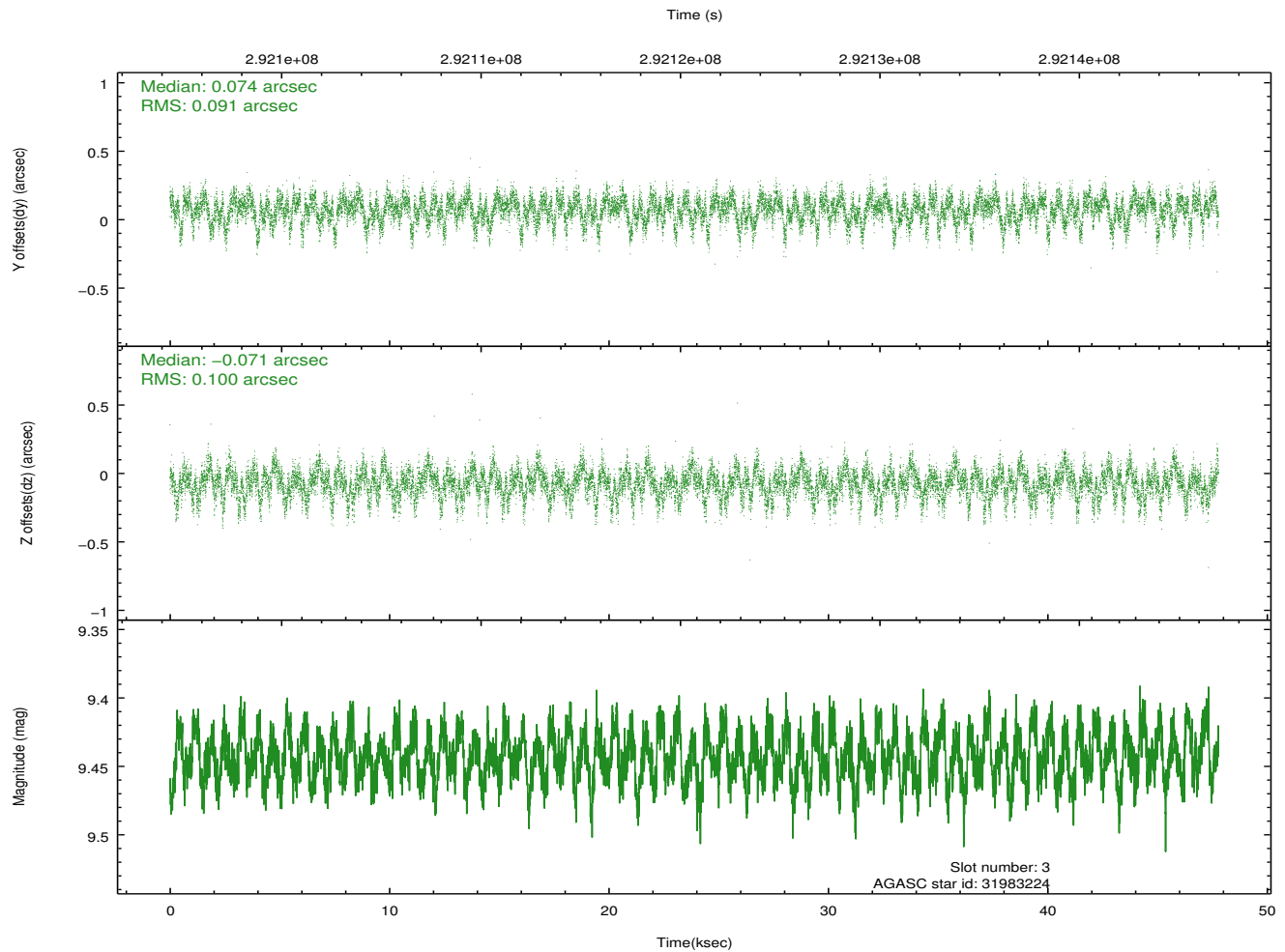
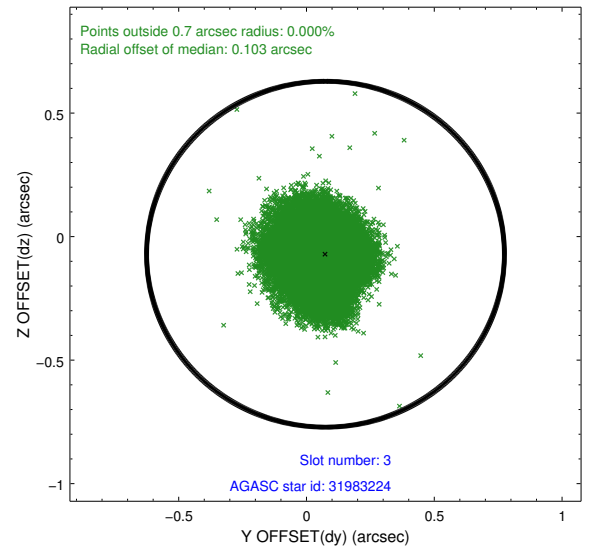
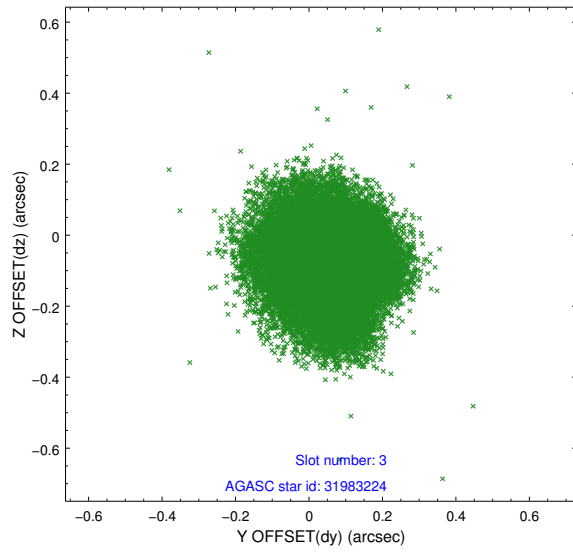


Slot Statistics

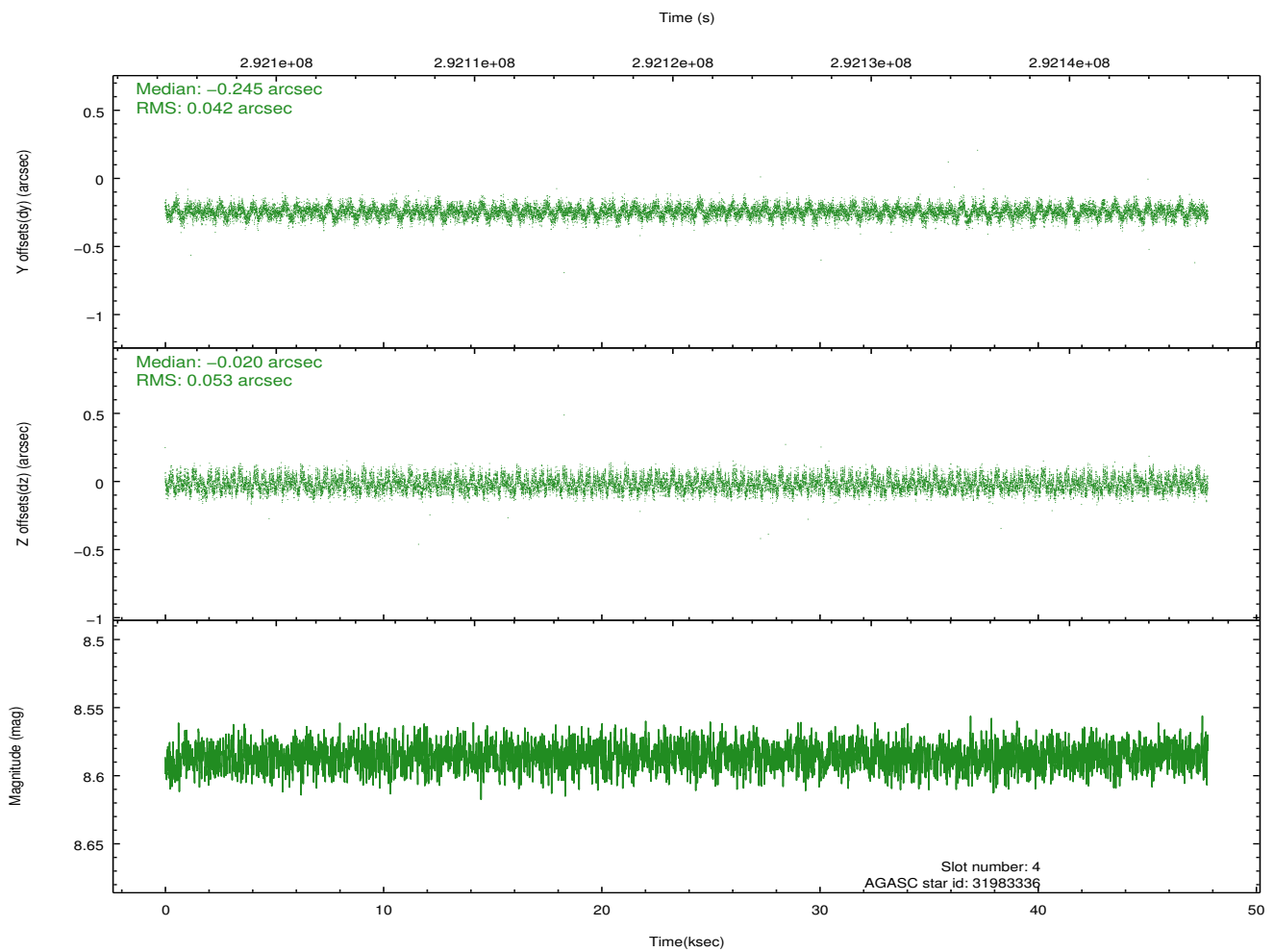
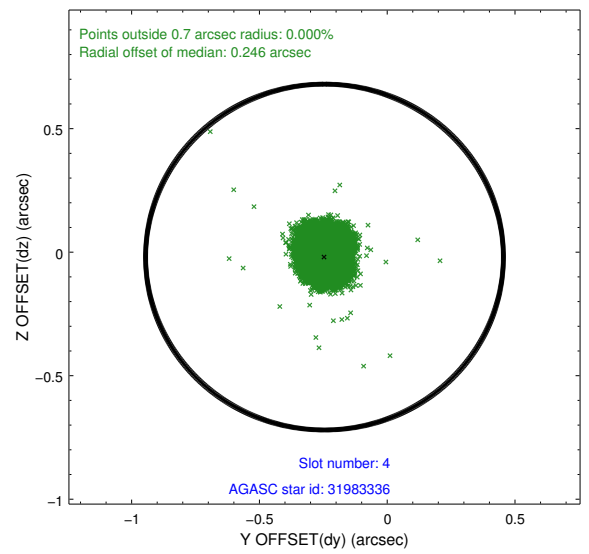
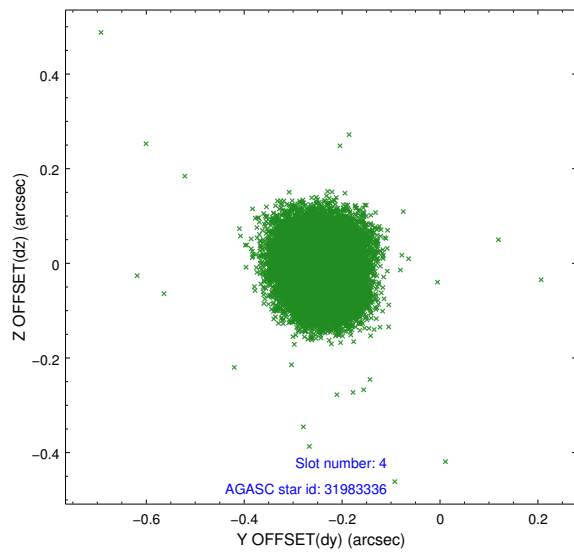
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	11655	-0.022	0.023	0.008	0.014	0.000000	0.000000	926.49	-837.26
1	FID	ACIS-I-4	7.18	11653	0.209	0.019	0.008	0.013	0.000000	0.000000	2146.77	1062.54
2	FID	ACIS-I-5	7.22	11655	-0.286	0.029	0.007	0.012	0.000000	0.000000	-1821.78	1060.42
3	GUIDE	31983224	9.44	23290	0.074	-0.071	0.144	0.233	150.543757	1.869948	-83.74	1281.42
4	GUIDE	31983336	8.59	23297	-0.245	-0.020	0.072	0.114	150.429924	2.291234	-1442.72	492.91
5	GUIDE	31986152	9.02	23293	0.109	0.184	0.089	0.149	150.840314	2.057585	-1012.71	2136.73
6	GUIDE	31069328	8.96	23291	0.142	-0.089	0.092	0.149	149.407760	1.639418	1776.20	-2452.15
7	GUIDE	31985760	8.47	23294	-0.070	0.006	0.073	0.118	150.924581	2.094394	-1219.32	2395.05

2.4 Star Slots

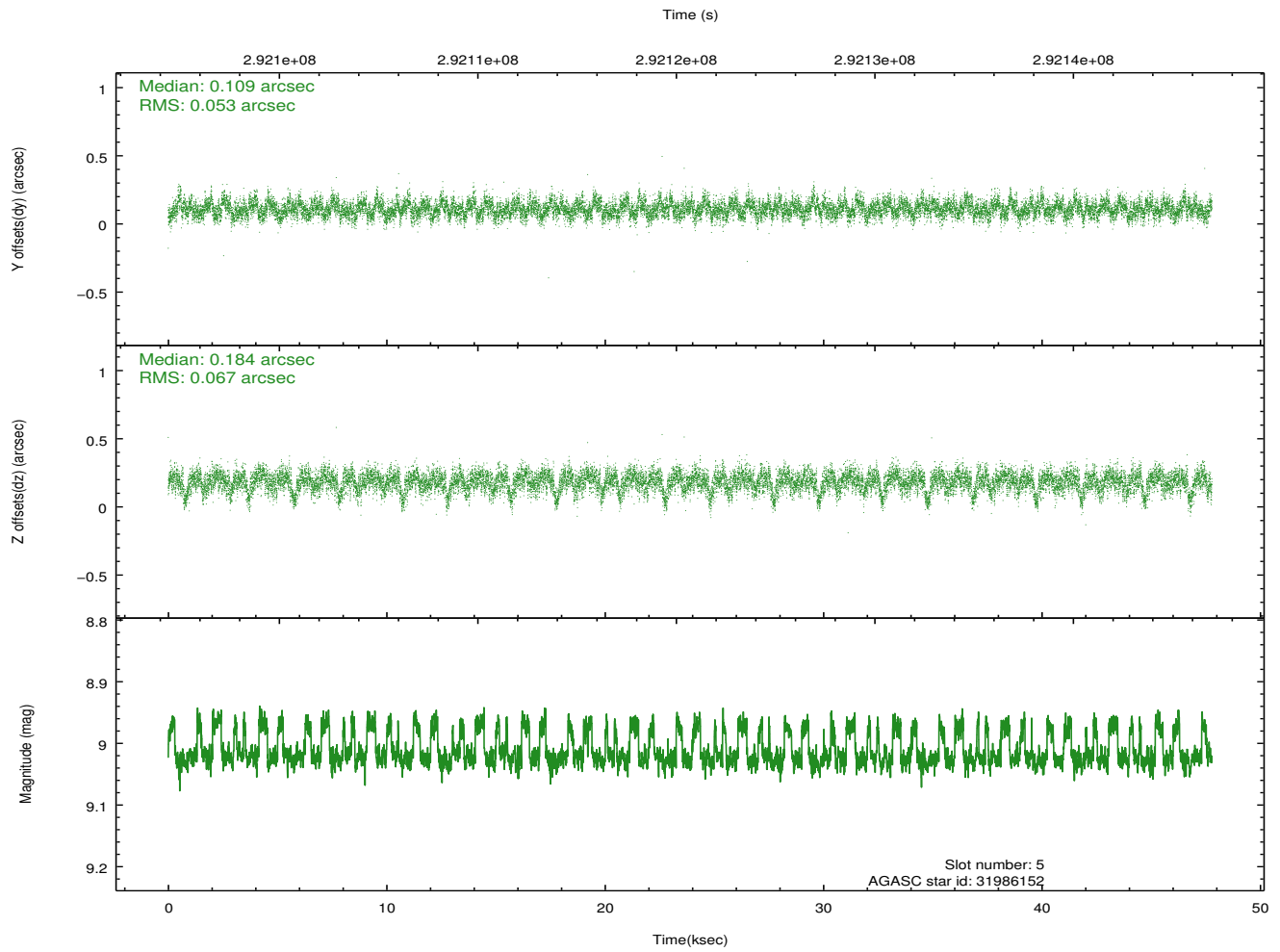
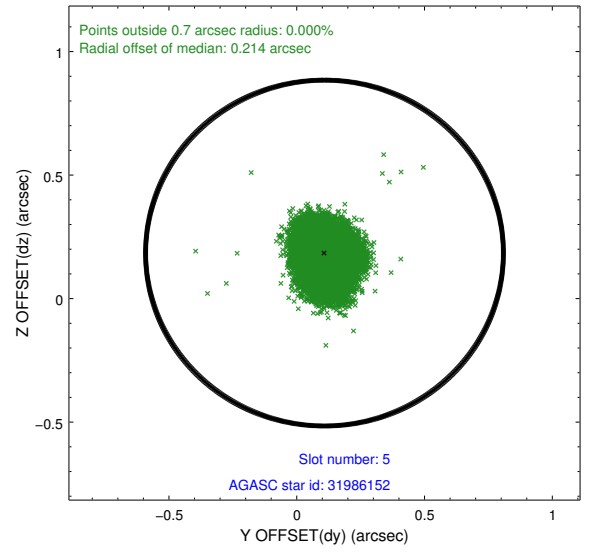
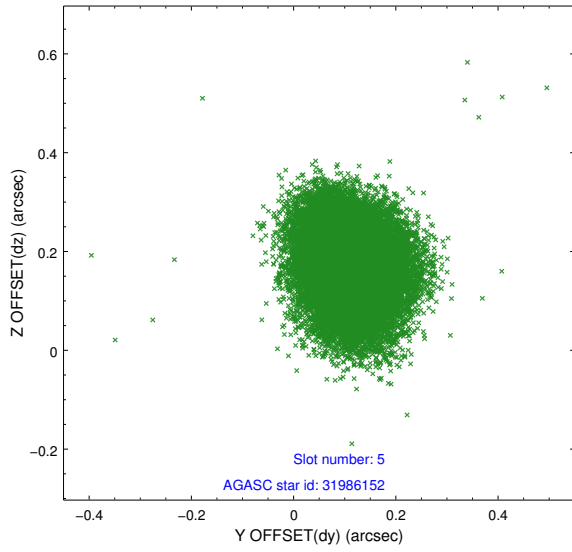
2.4.1 Slot 3



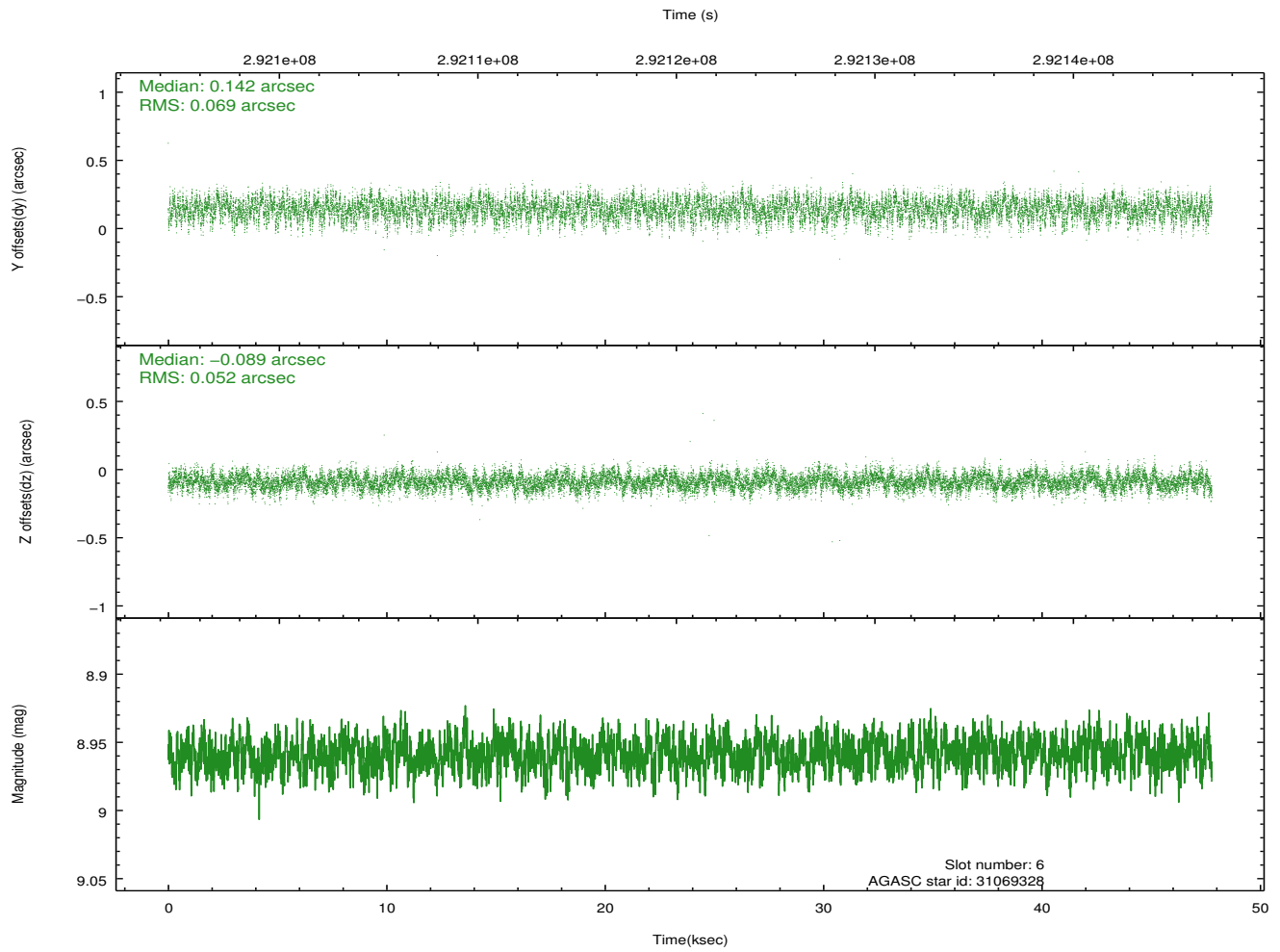
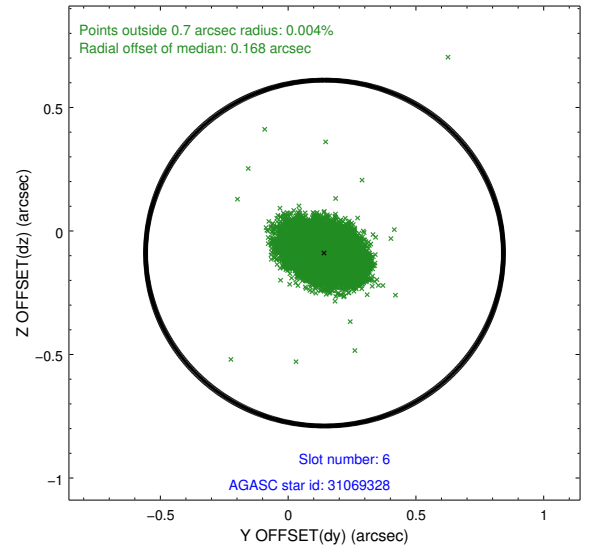
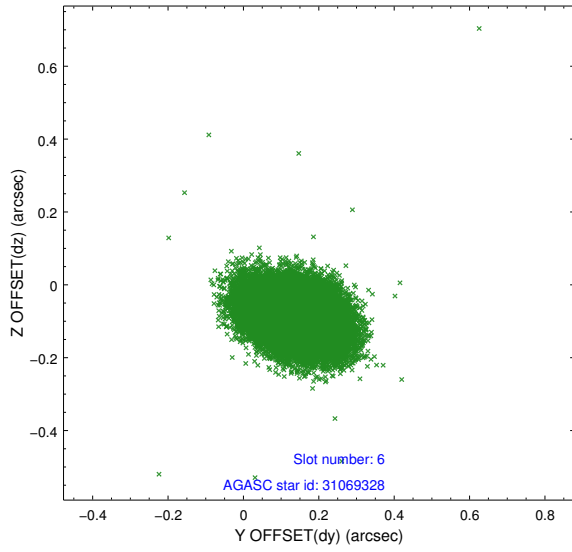
2.4.2 Slot 4



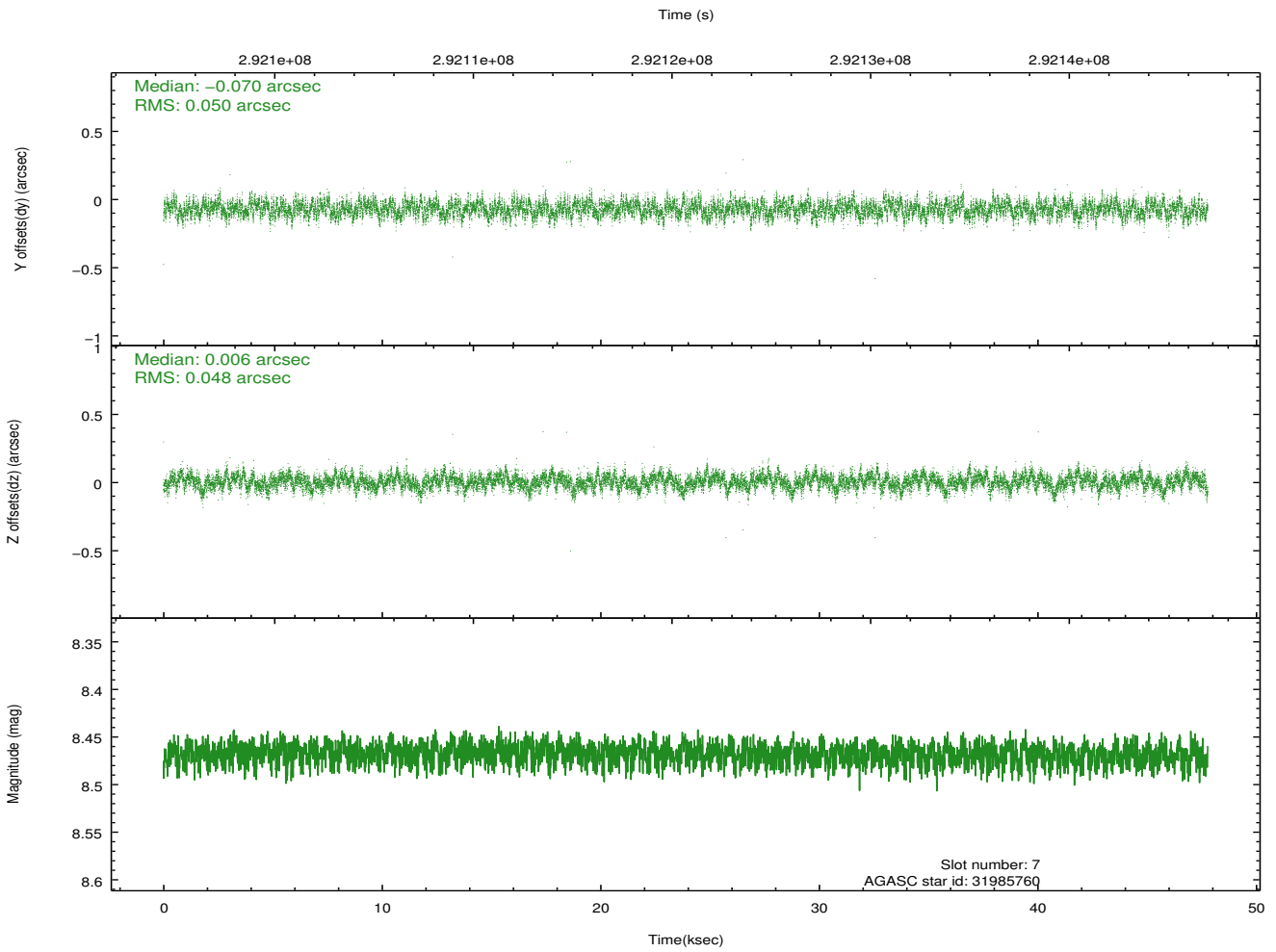
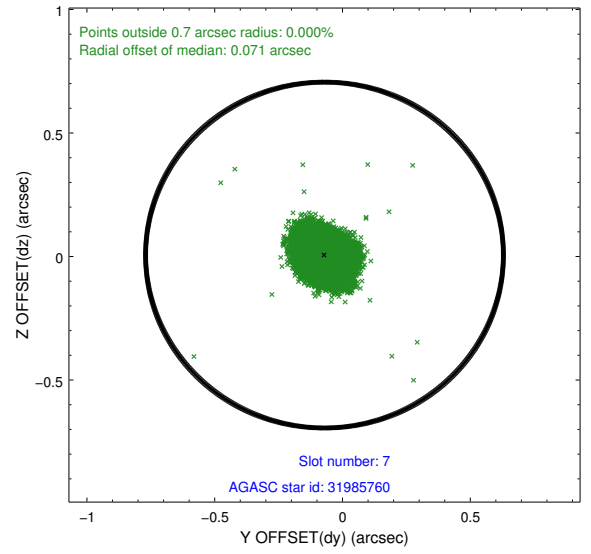
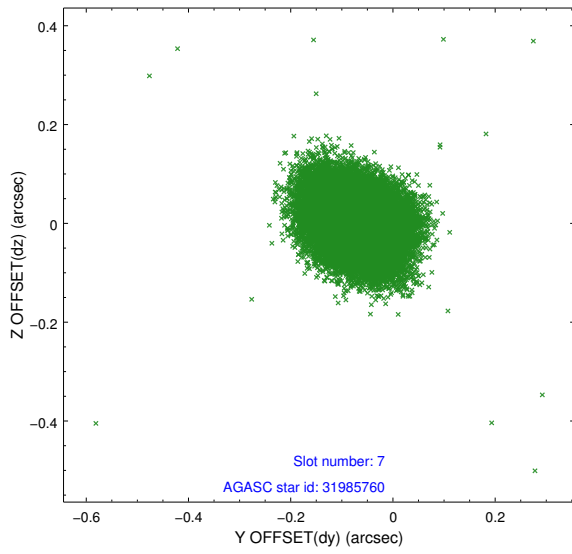
2.4.3 Slot 5



2.4.4 Slot 6

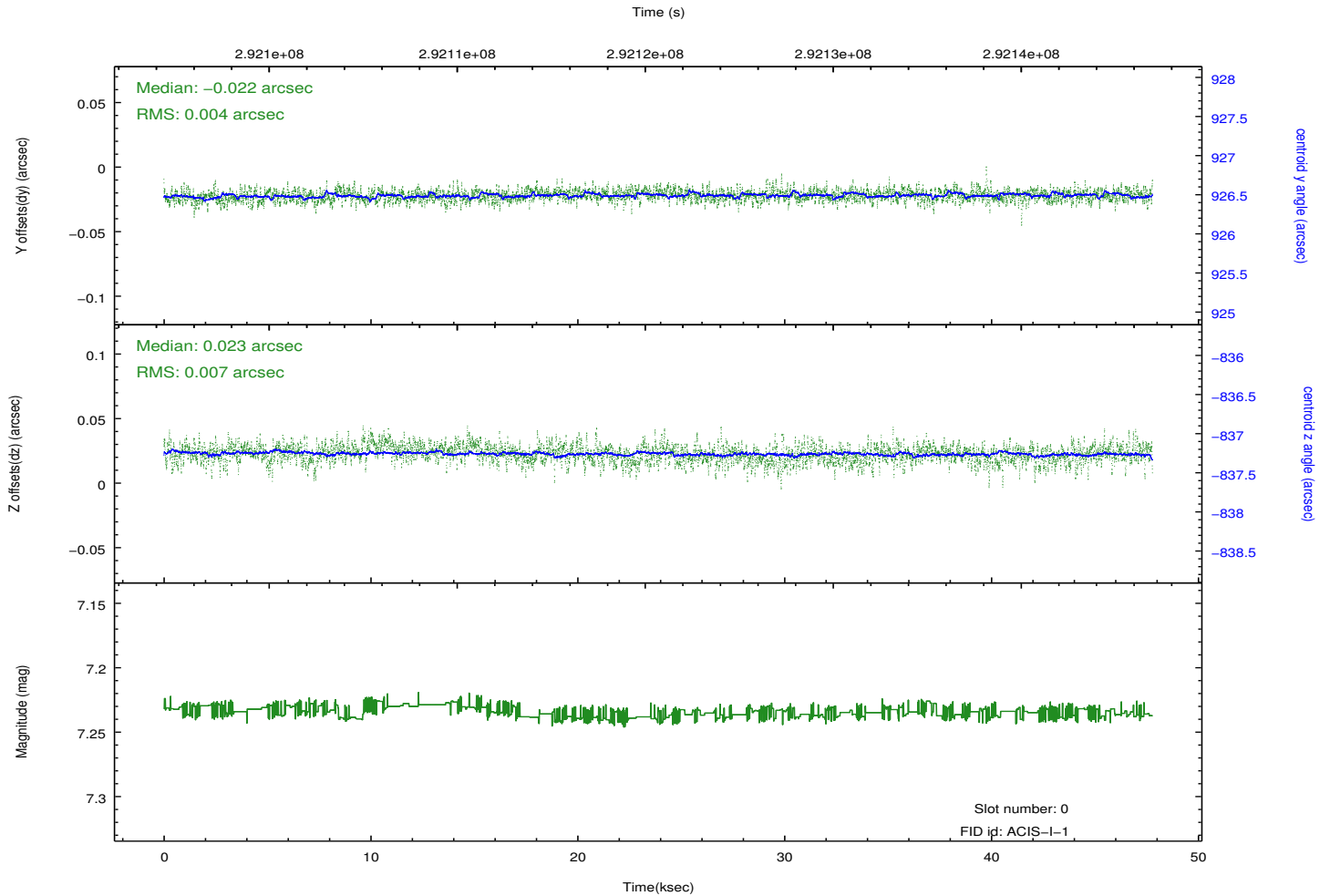
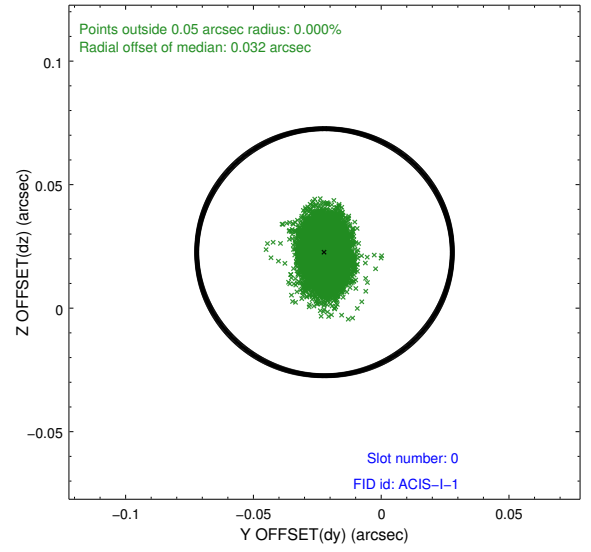
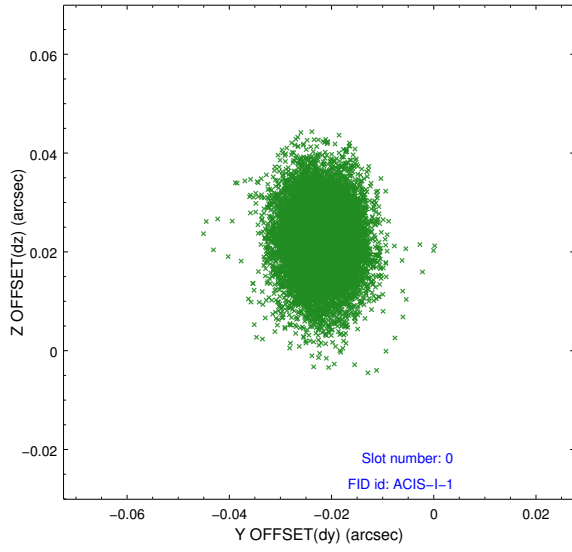


2.4.5 Slot 7

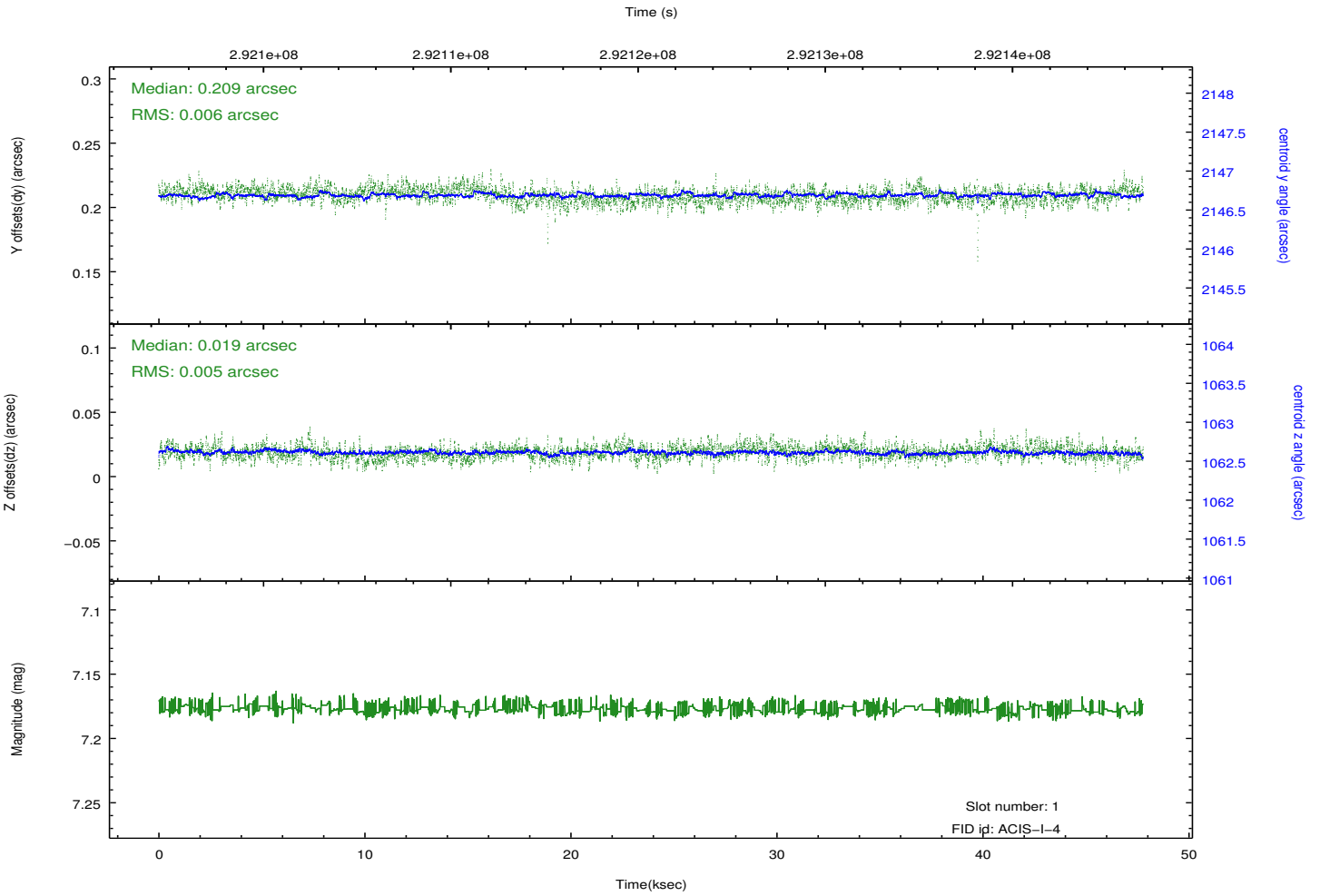
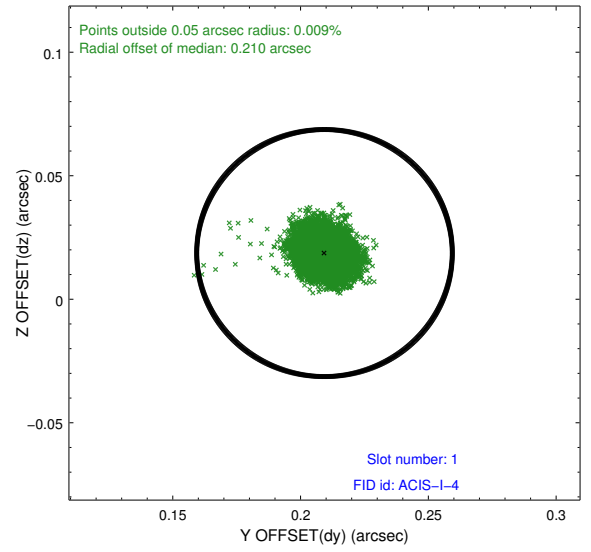
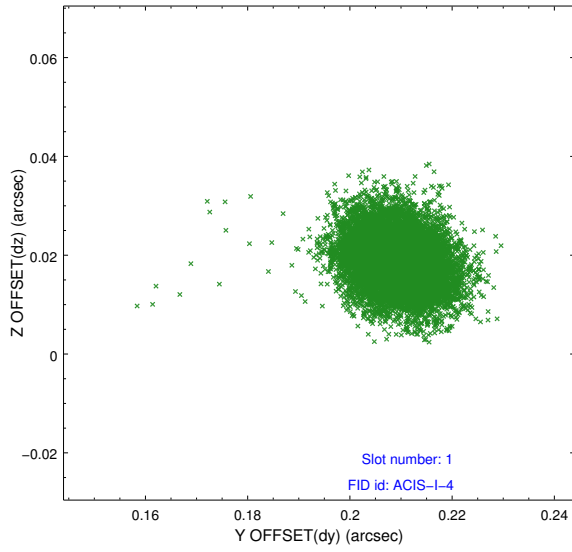


2.5 FID Slots

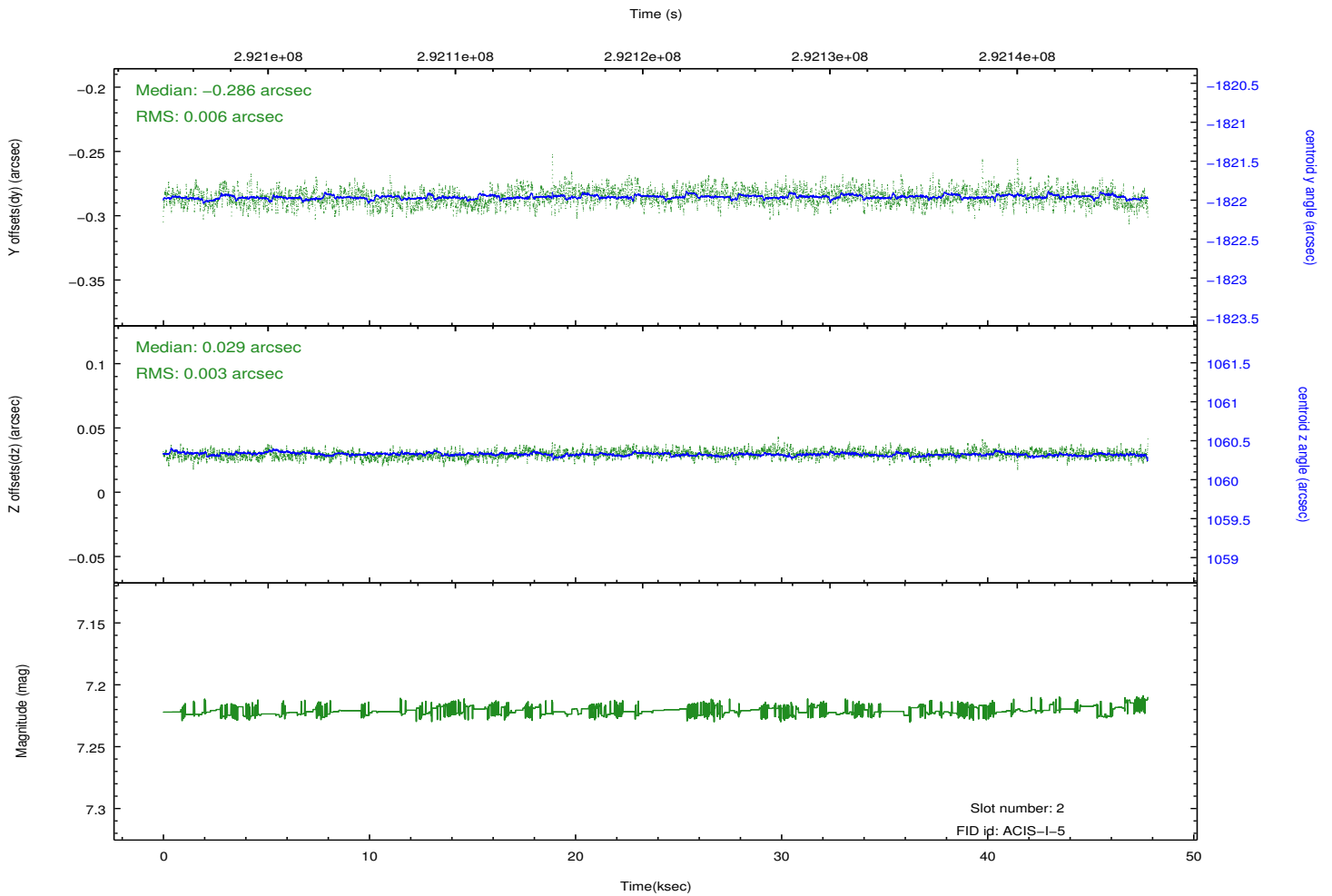
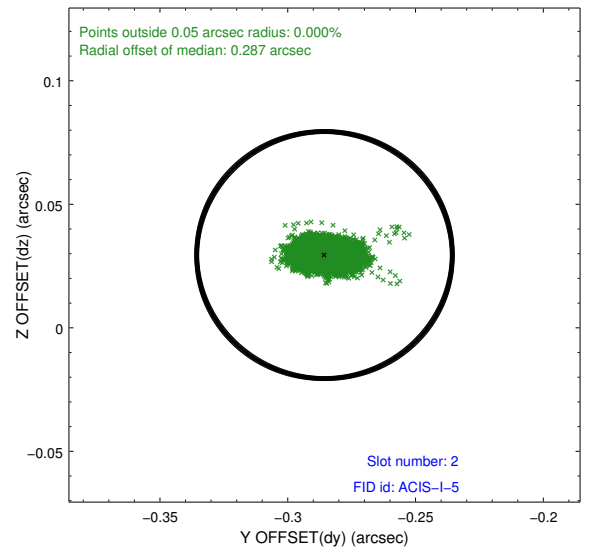
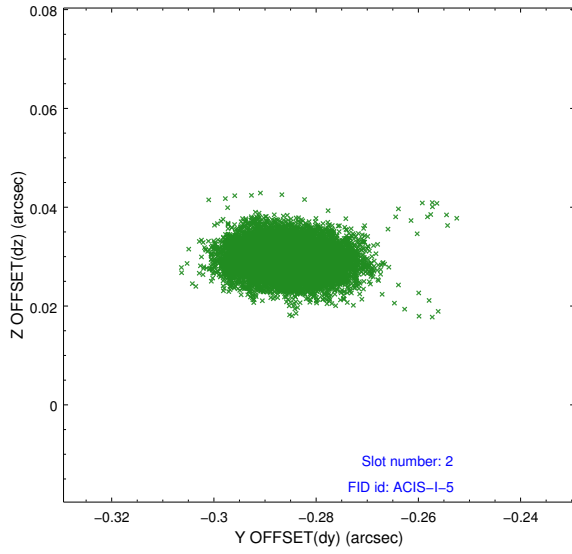
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.3471178

A.2 Comments