

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8011 - L2 Version 3
Chandra X-Ray Center

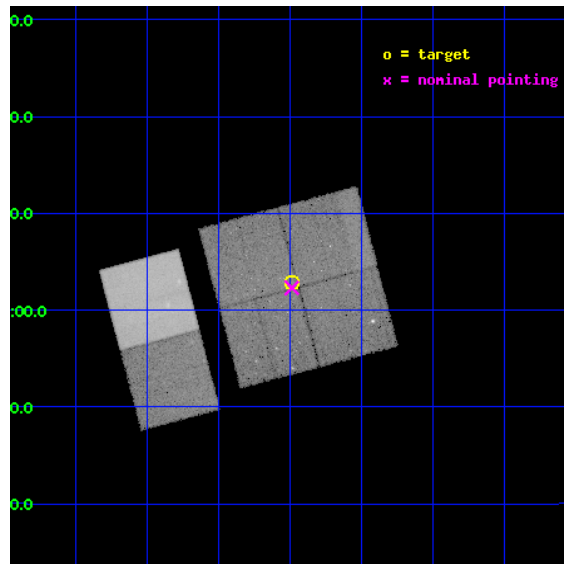
L2 Processing Date : Apr 22 2012

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

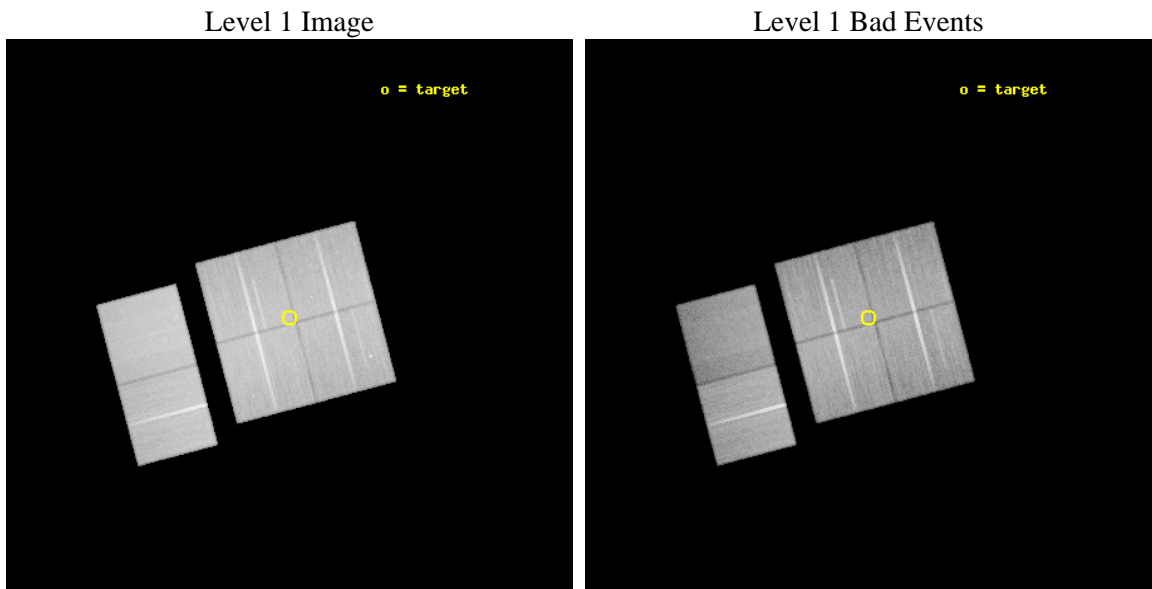
seq_num	900555	Sequence number
obs_id	8011	Observation id
title	THE CHANDRA-COSMOS SURVEY	Proposal title
observer	Dr. Martin Elvis	Principal investigator
object	C-COSMOS4-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	150.246363	Observer's specified target RA [deg]
dec_targ	2.046472	Observer's specified target Dec [deg]
ra_nom	150.24670742082	Nominal RA [deg]
dec_nom	2.0383909430009	Nominal Dec [deg]
roll_nom	255.20867931884	Nominal Roll [deg]
revision	3	Processing version of data
ontime	47740.553850532	Sum of GTIs [s]
livetime	47136.034211766	Livetime [s]
ontime0	47753.517831743	Sum of GTIs [s]
ontime1	47750.276831388	Sum of GTIs [s]
ontime2	47750.276821256	Sum of GTIs [s]
ontime3	47740.553850532	Sum of GTIs [s]
ontime6	47756.758821785	Sum of GTIs [s]
ontime7	47759.99982214	Sum of GTIs [s]
l2events	338584	Number of level 2 events



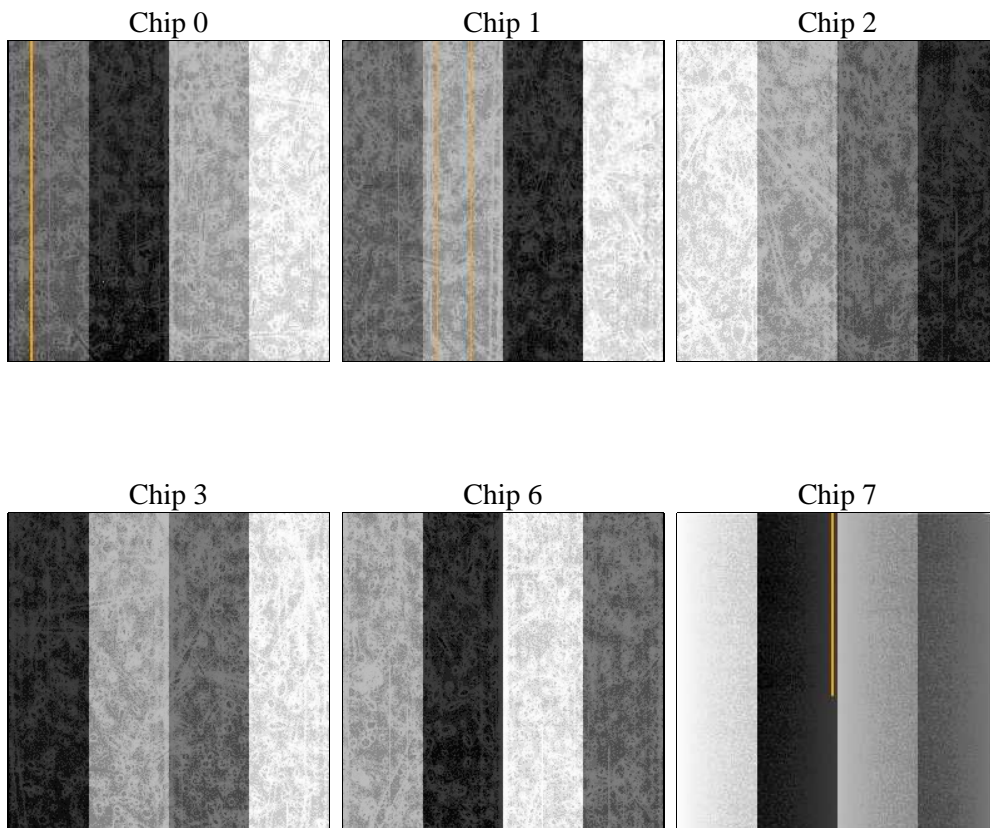
2 OBI

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	47740.553850532	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	47753.517831743	Sum of GTIs [s]
date	2012-04-22T21:26:00	Date and time of file creation	ontime1	47750.276831388	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	47750.276821256	Sum of GTIs [s]
			ontime3	47740.553850532	Sum of GTIs [s]
			ontime6	47756.758821785	Sum of GTIs [s]
			ontime7	47759.99982214	Sum of GTIs [s]
			l1events	2333310	Number of level 1 events

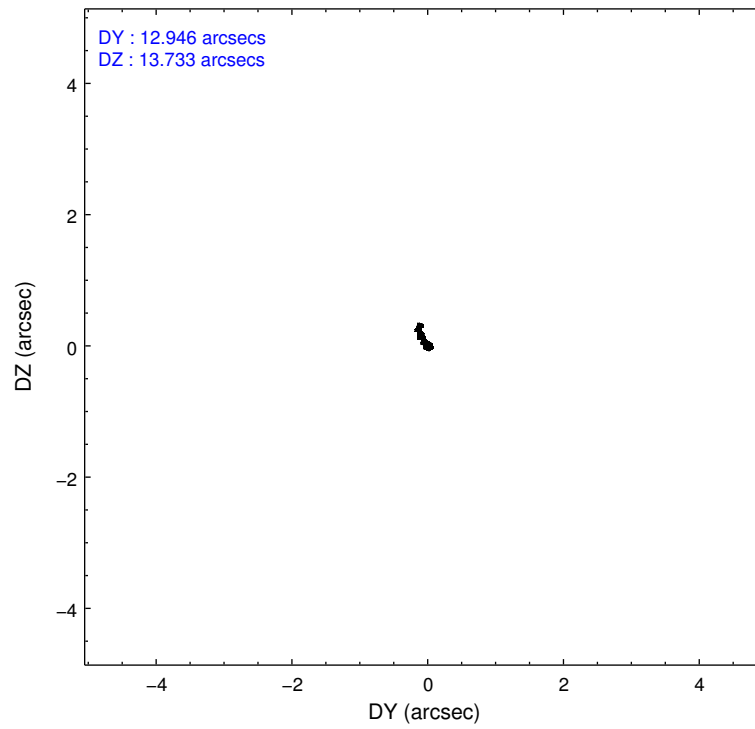
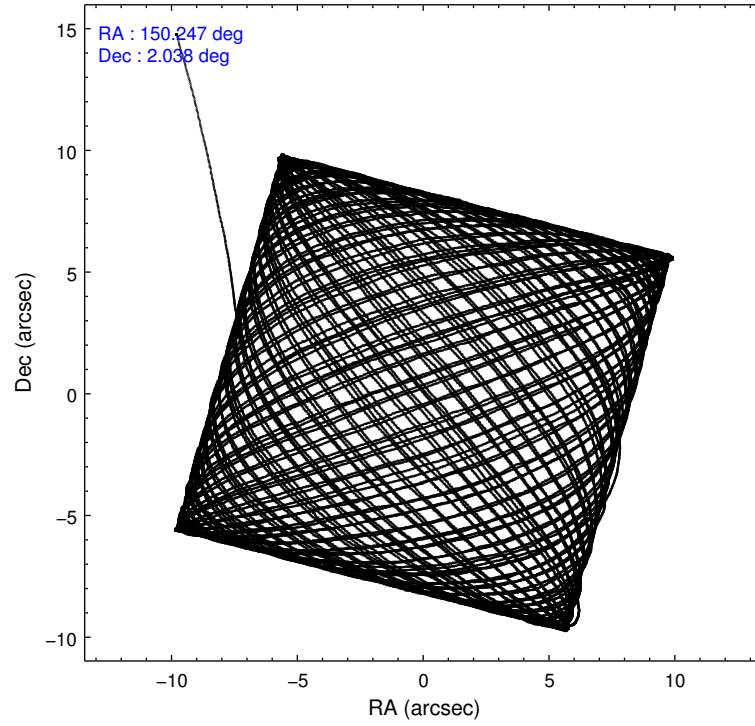
2.1.4 Events

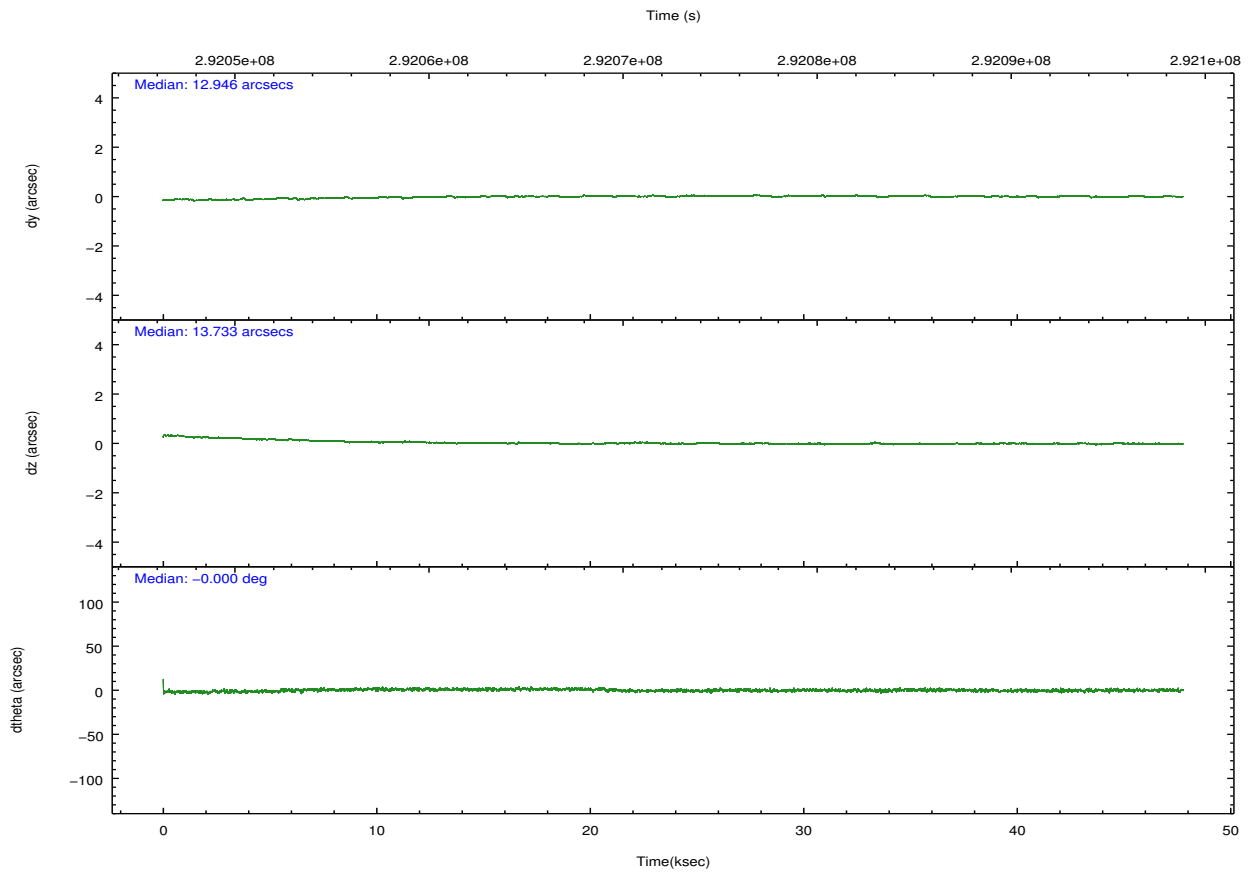
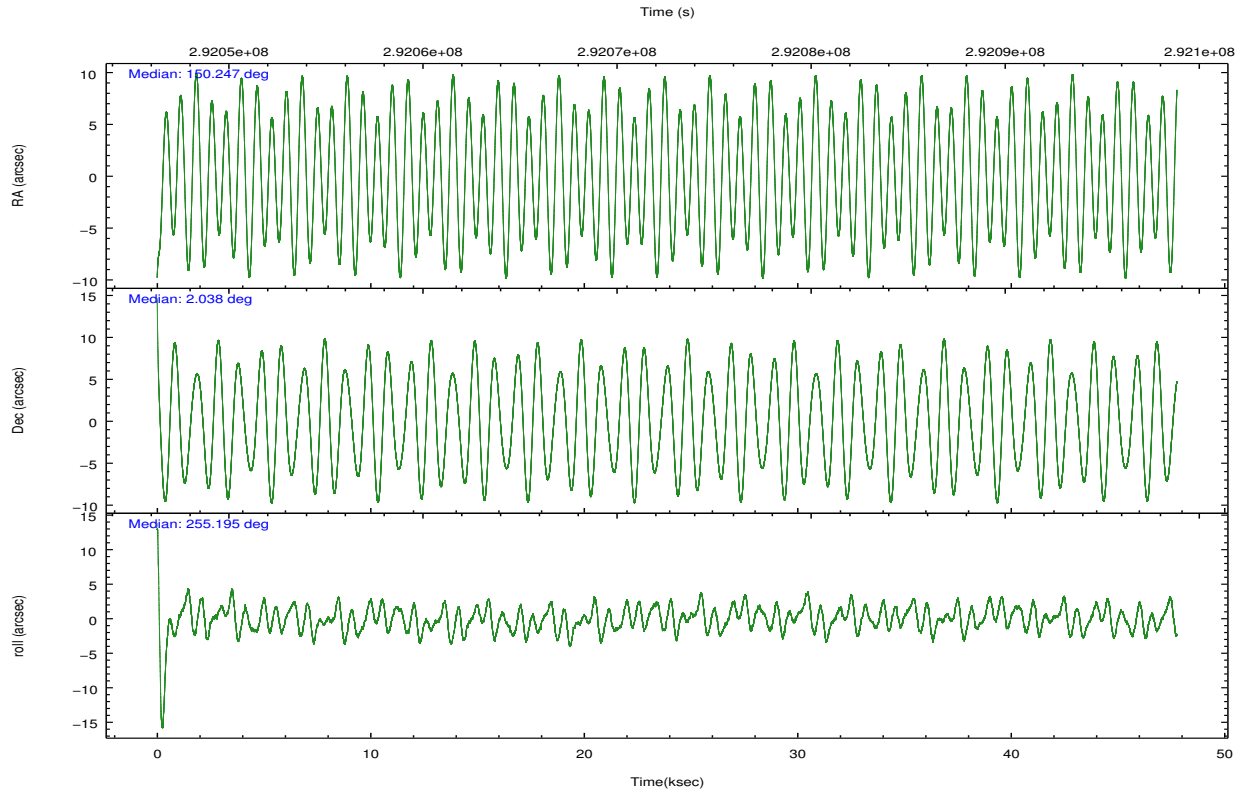
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	360076	354717	405604	380342	403731	428840	grade 0 events	13729	15570	13425	12607	13698	18247
rejected events	323044	313611	369609	345422	365537	240426		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	91%	90%	90%	56%	grade 1 events	215	199	186	201	193	503
								0%	0%	0%	0%	0%	0%
							grade 2 events	8993	9340	8978	7964	8836	39421
								2%	2%	2%	2%	2%	9%
							grade 3 events	4351	4634	3972	4127	4265	17676
								1%	1%	0%	1%	1%	4%
							grade 4 events	4044	4547	4105	4068	4231	17962
								1%	1%	1%	1%	1%	4%
							grade 5 events	12946	14323	12812	15487	15934	45322
								3%	4%	3%	4%	3%	10%
							grade 6 events	7213	8516	6817	7384	8534	101766
								2%	2%	1%	1%	2%	23%
							grade 7 events	308585	297588	355309	328504	348040	187943
								85%	83%	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	150.239395	150.2467074208198	CCD I2 on	Y	Y
[deg] Pointing Dec	2.064902	2.038390943000866	CCD I3 on	Y	Y
[deg] Pointing Roll	255.000248	255.2086793188399	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)	292048863.184000	292046947.33743	CCD S5 on	N	N
Observation start date	2007-04-04T04:39:58	2007-04-04T04:09:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	292096463.184000	292096597.8273	On-chip summing requested	N	N
Observation end date	2007-04-04T17:53:18	2007-04-04T17:56:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



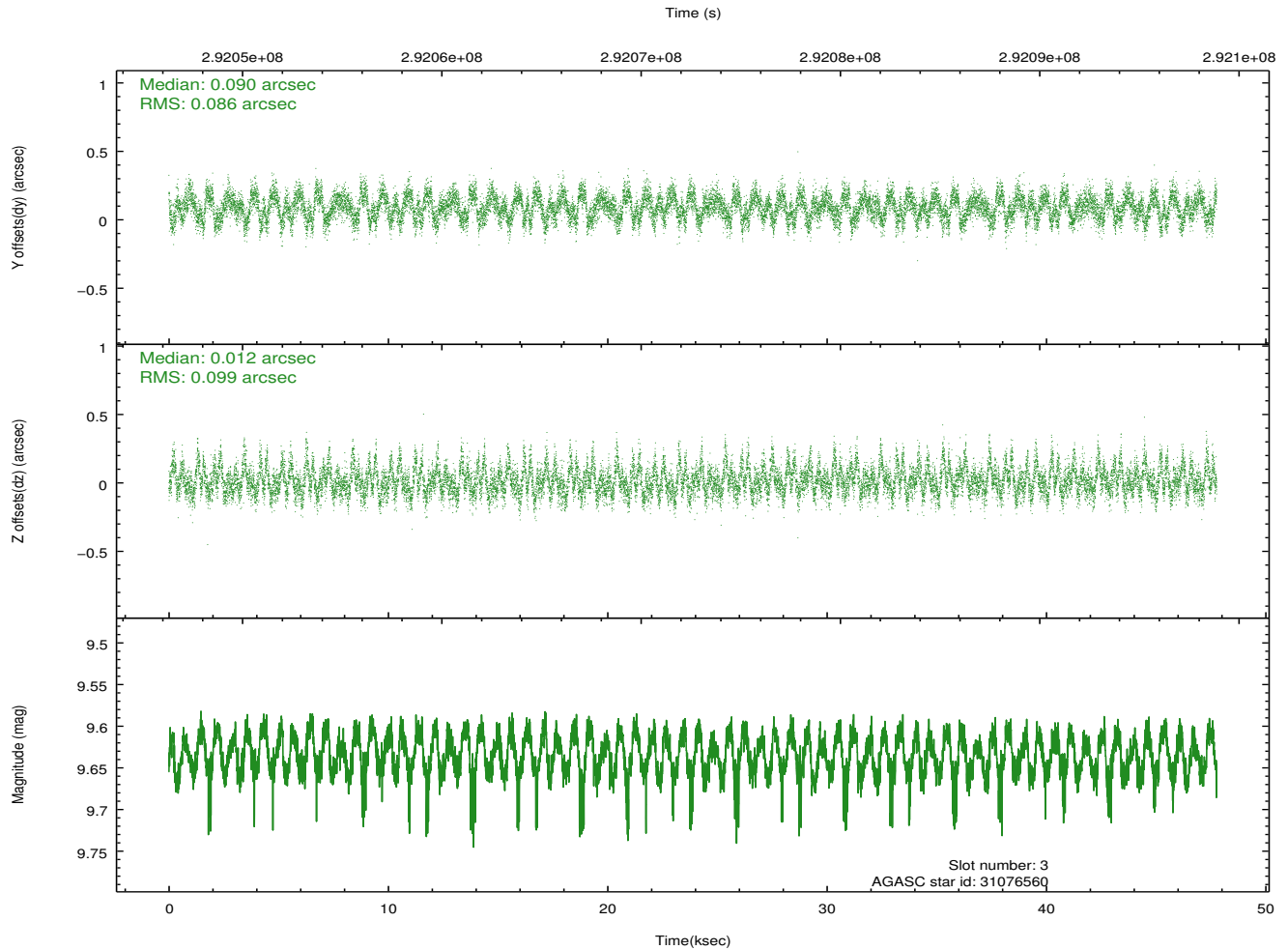
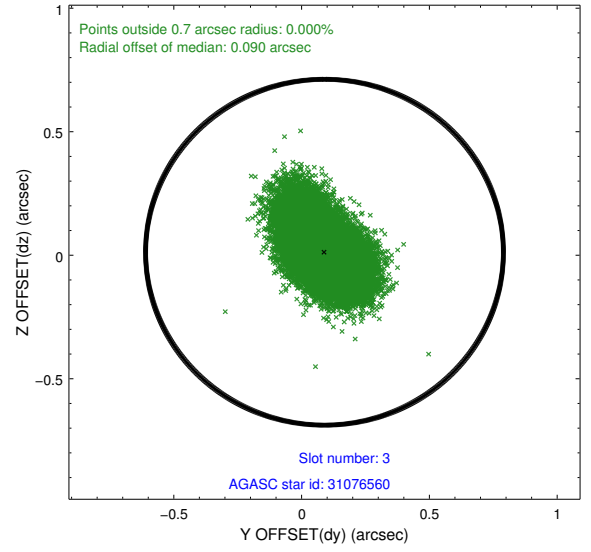
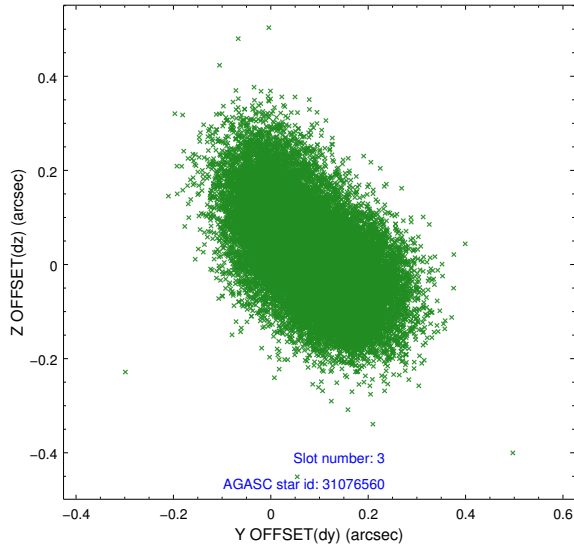


Slot Statistics

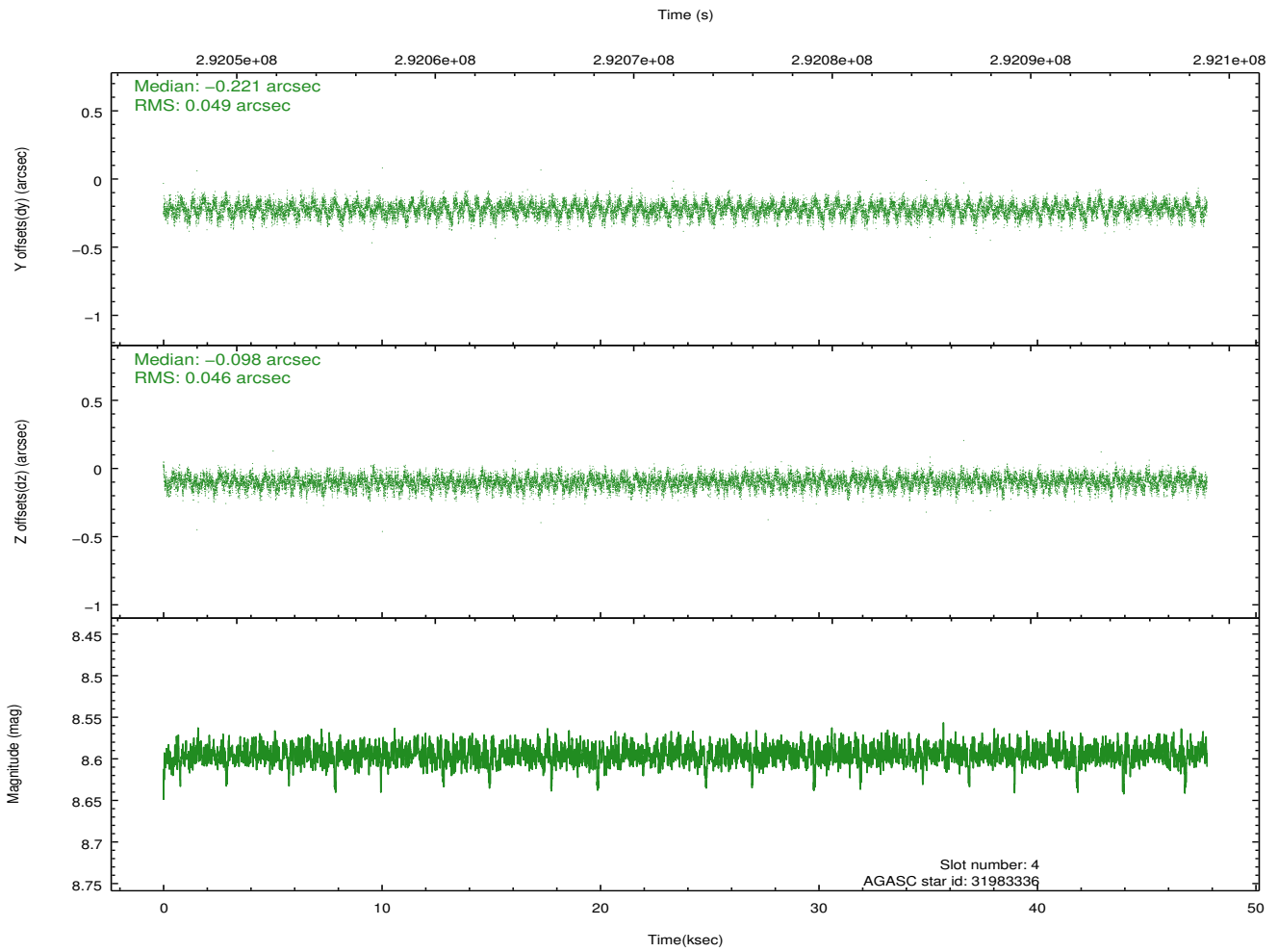
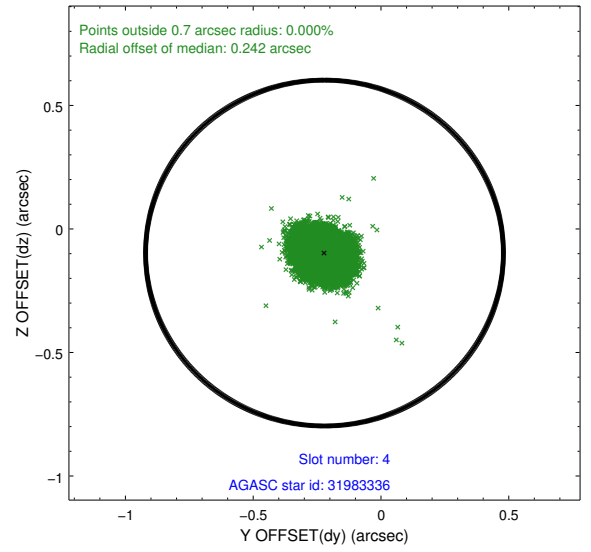
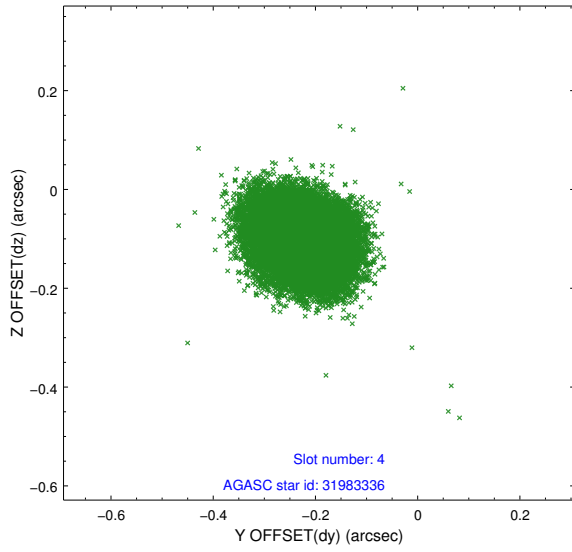
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	11651	-0.061	0.068	0.012	0.020	0.000000	0.000000	926.50	-837.29
1	FID	ACIS-I-2	7.14	11648	-0.161	-0.102	0.010	0.016	0.000000	0.000000	-767.70	-843.84
2	FID	ACIS-I-4	7.17	11649	0.124	0.102	0.009	0.017	0.000000	0.000000	2146.64	1062.51
3	GUIDE	31076560	9.63	23253	0.090	0.012	0.138	0.233	149.884782	2.009277	524.28	-1179.87
4	GUIDE	31983336	8.59	23292	-0.221	-0.098	0.072	0.115	150.429924	2.291234	-964.60	451.10
5	GUIDE	31986152	9.01	23291	0.164	0.092	0.098	0.152	150.840314	2.057585	-534.56	2095.00
6	GUIDE	32374896	9.21	23283	0.010	0.006	0.081	0.131	150.682269	2.512794	-1969.94	1121.28
7	GUIDE	31985760	8.47	23298	-0.040	-0.018	0.074	0.119	150.924581	2.094394	-741.38	2353.53

2.4 Star Slots

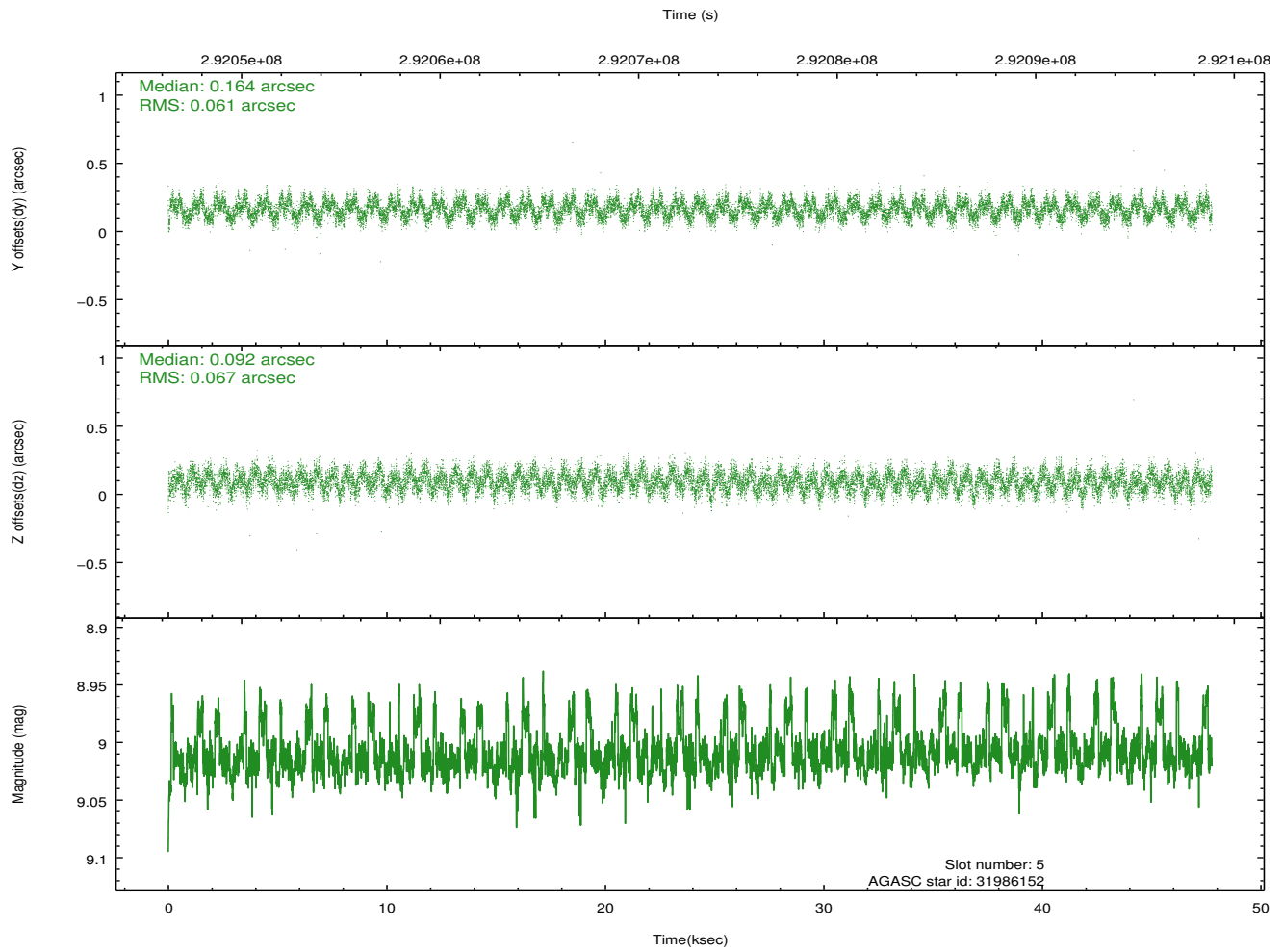
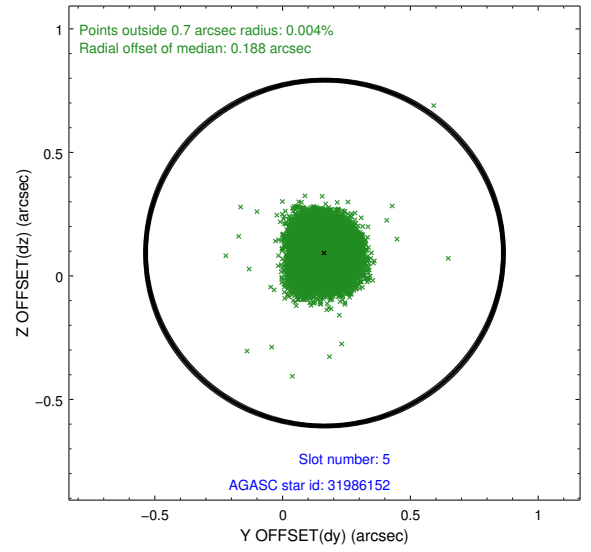
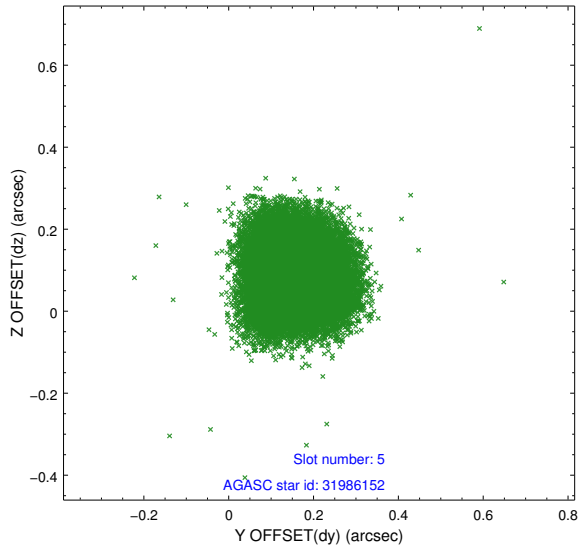
2.4.1 Slot 3



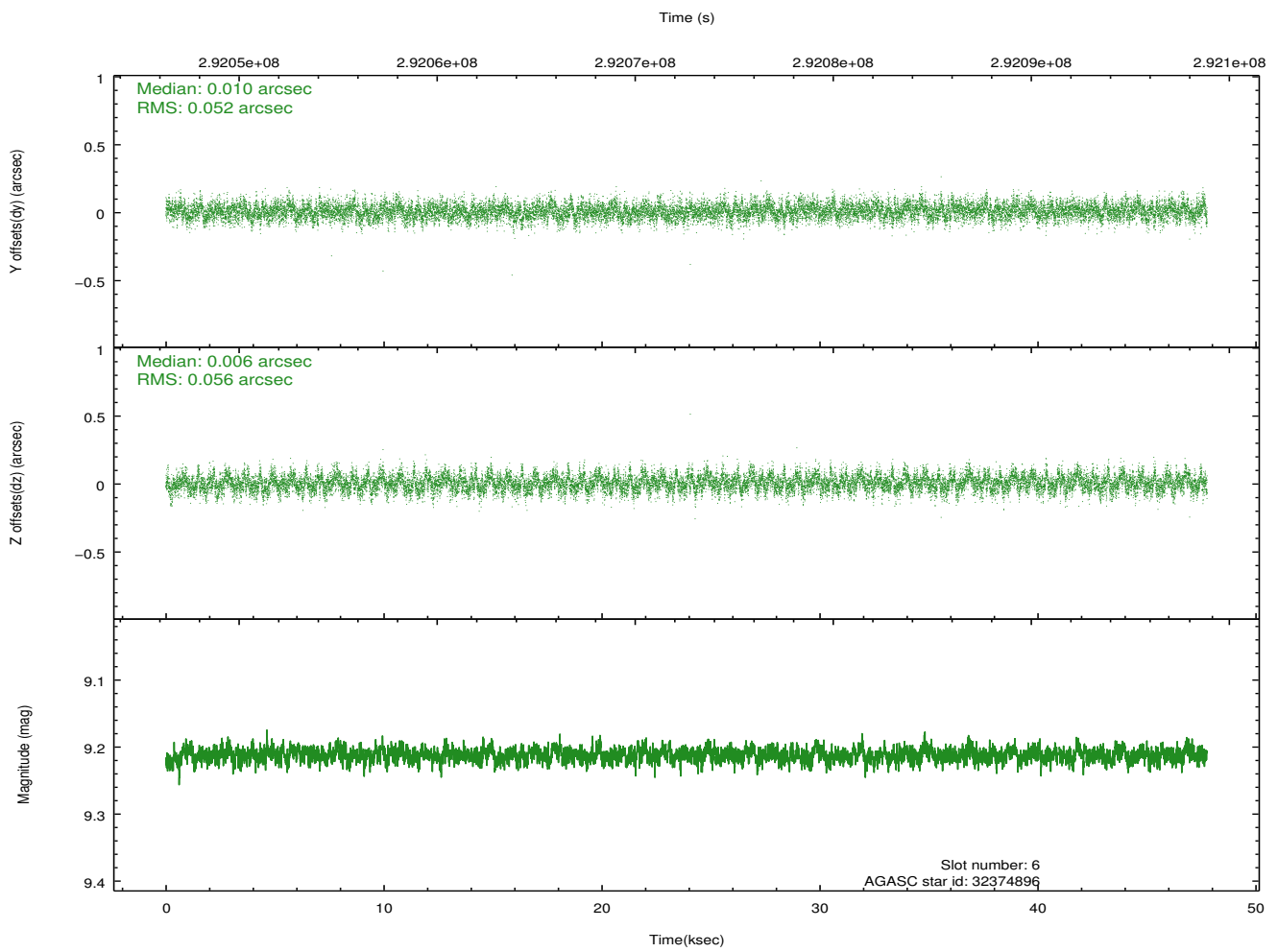
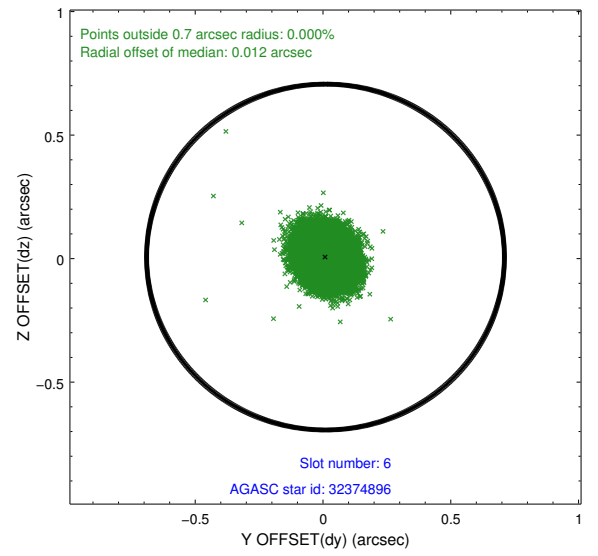
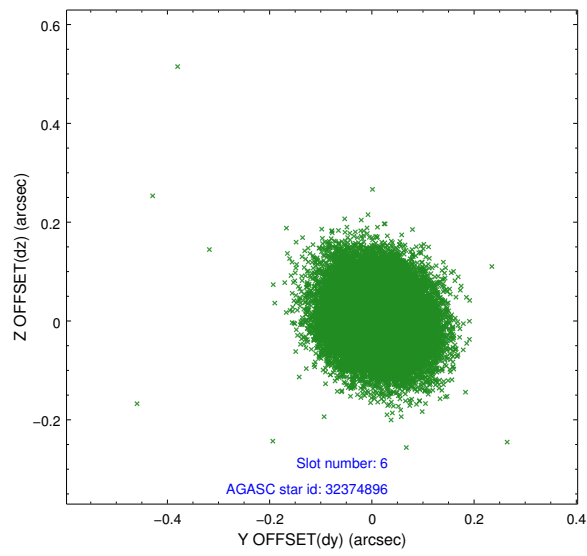
2.4.2 Slot 4



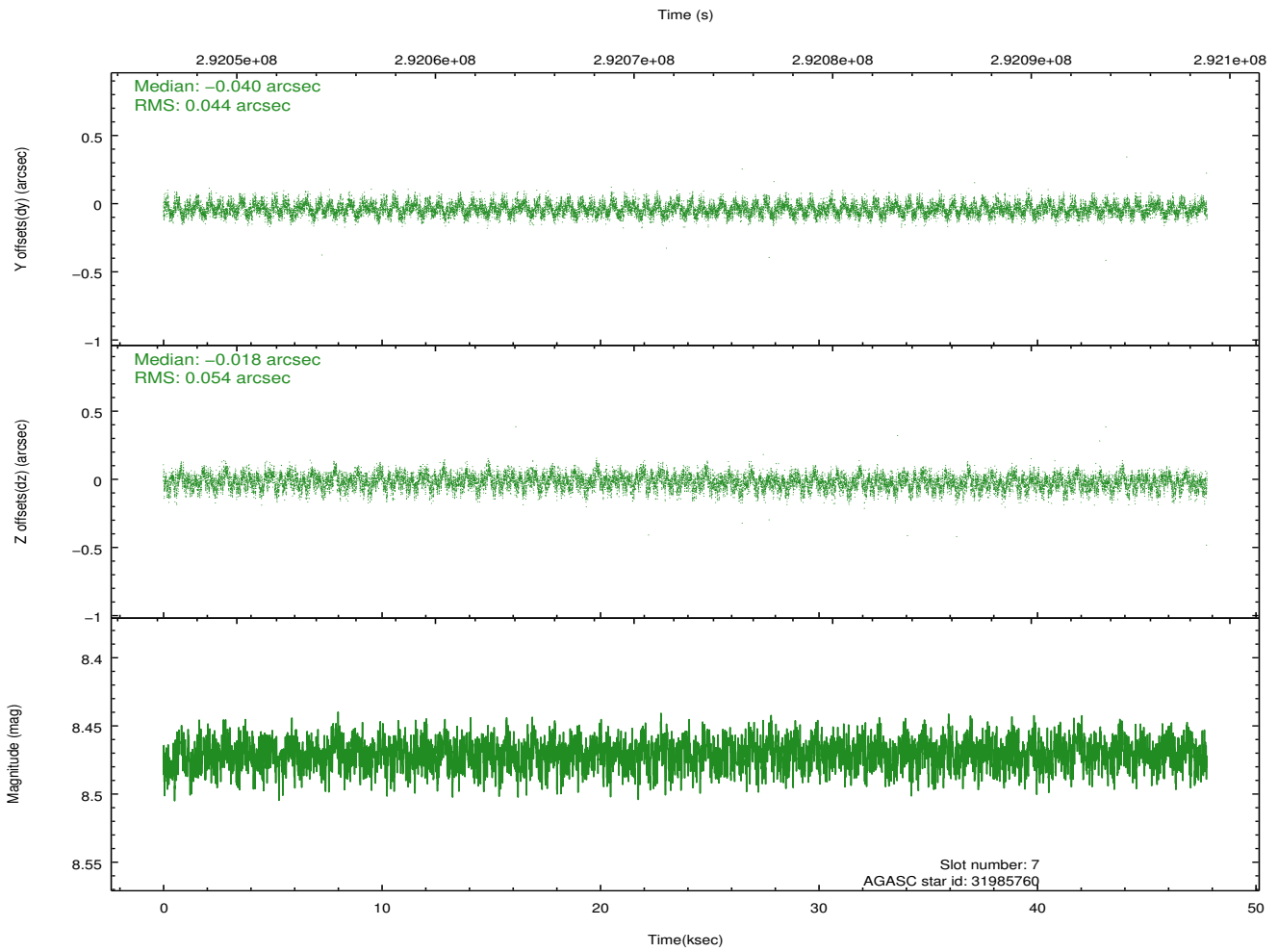
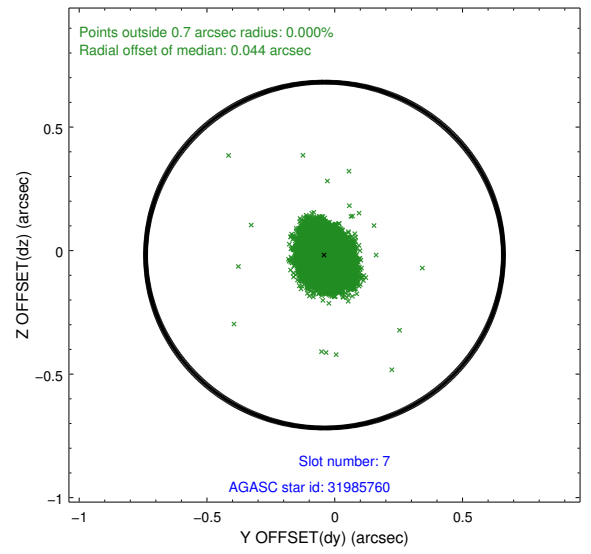
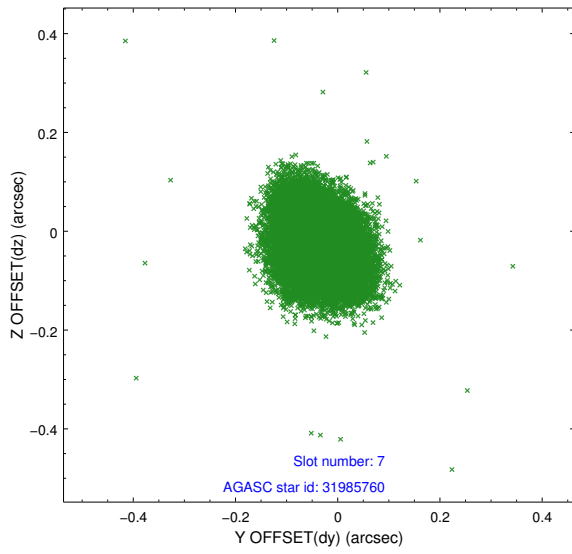
2.4.3 Slot 5



2.4.4 Slot 6

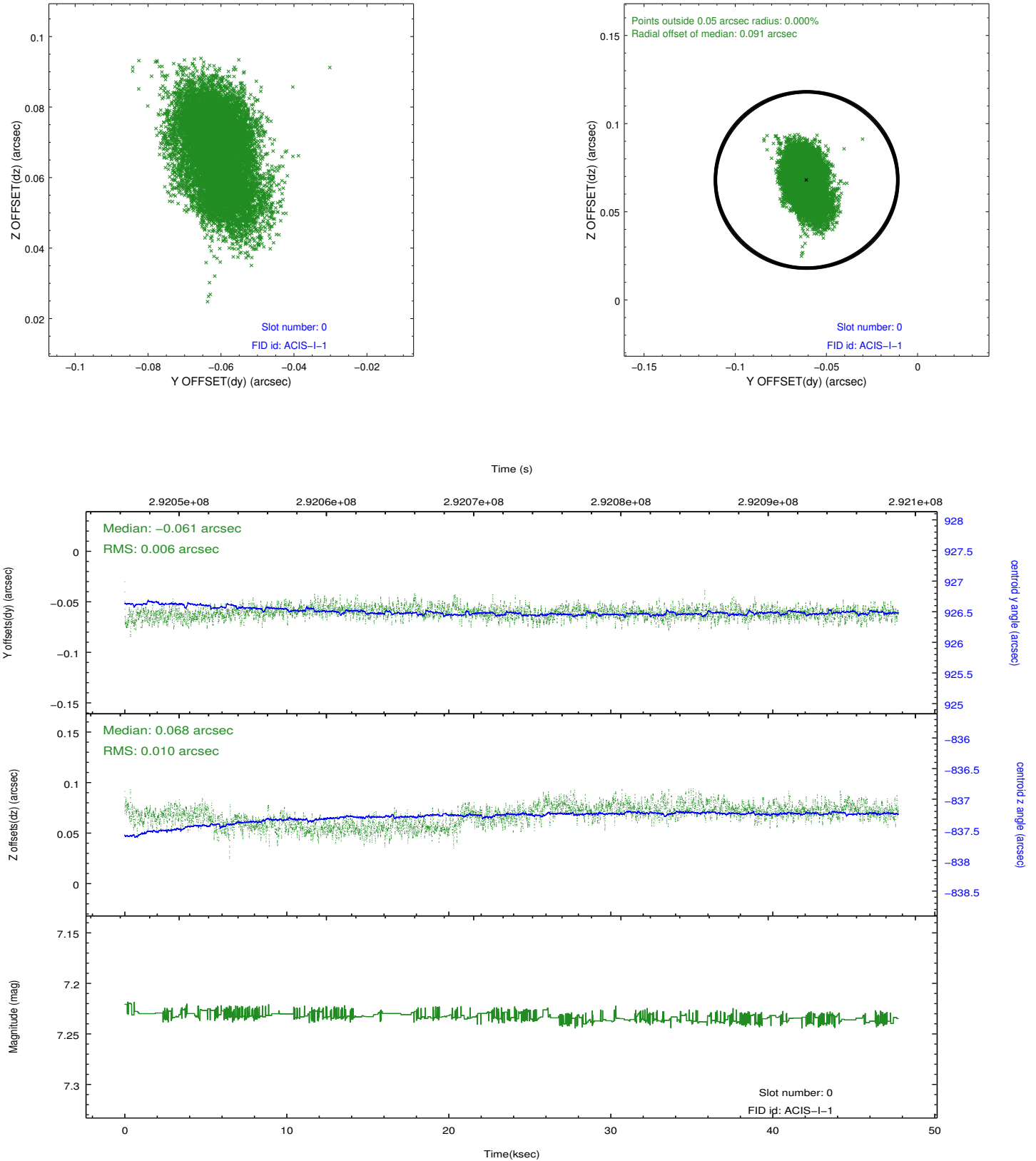


2.4.5 Slot 7

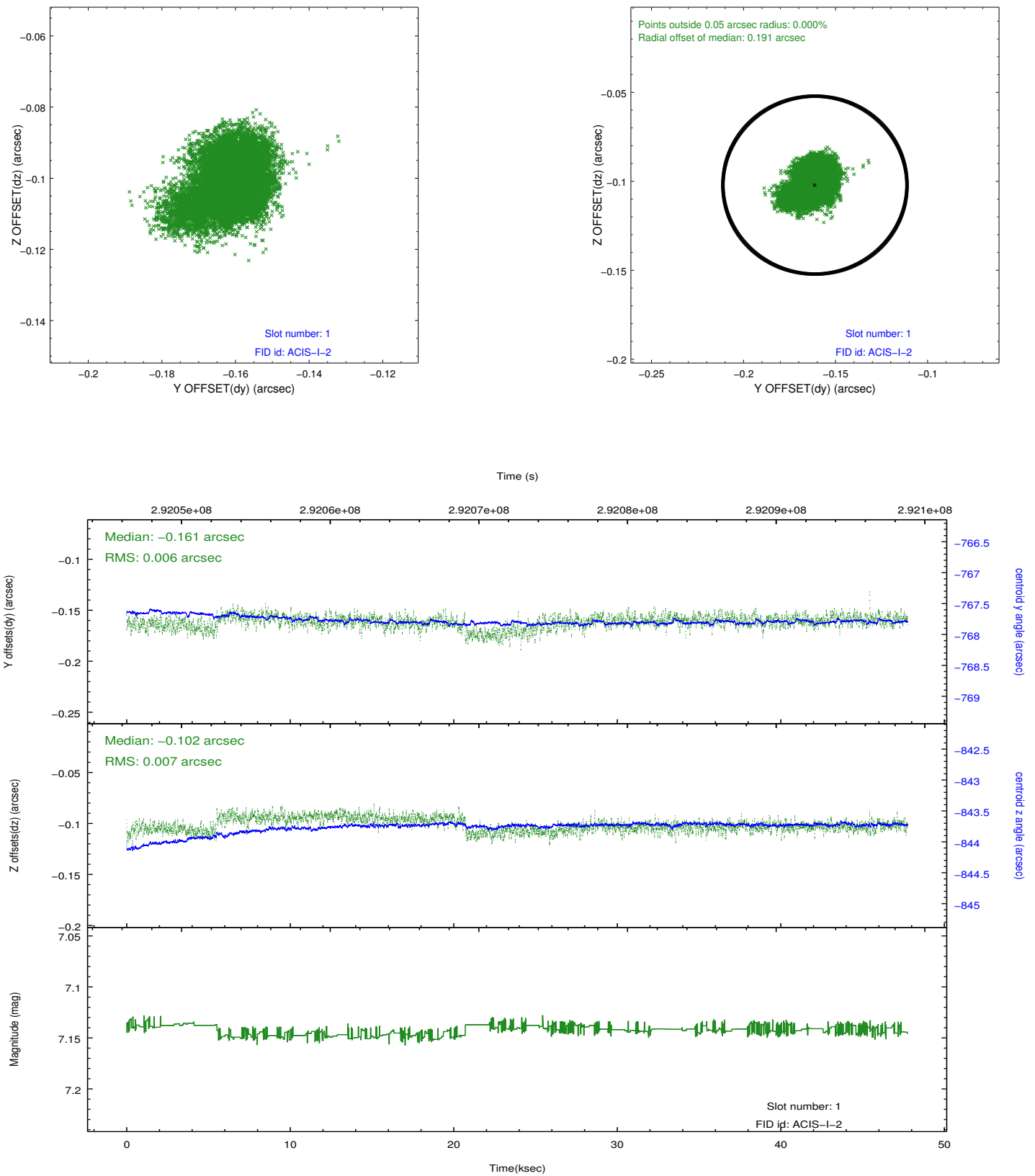


2.5 FID Slots

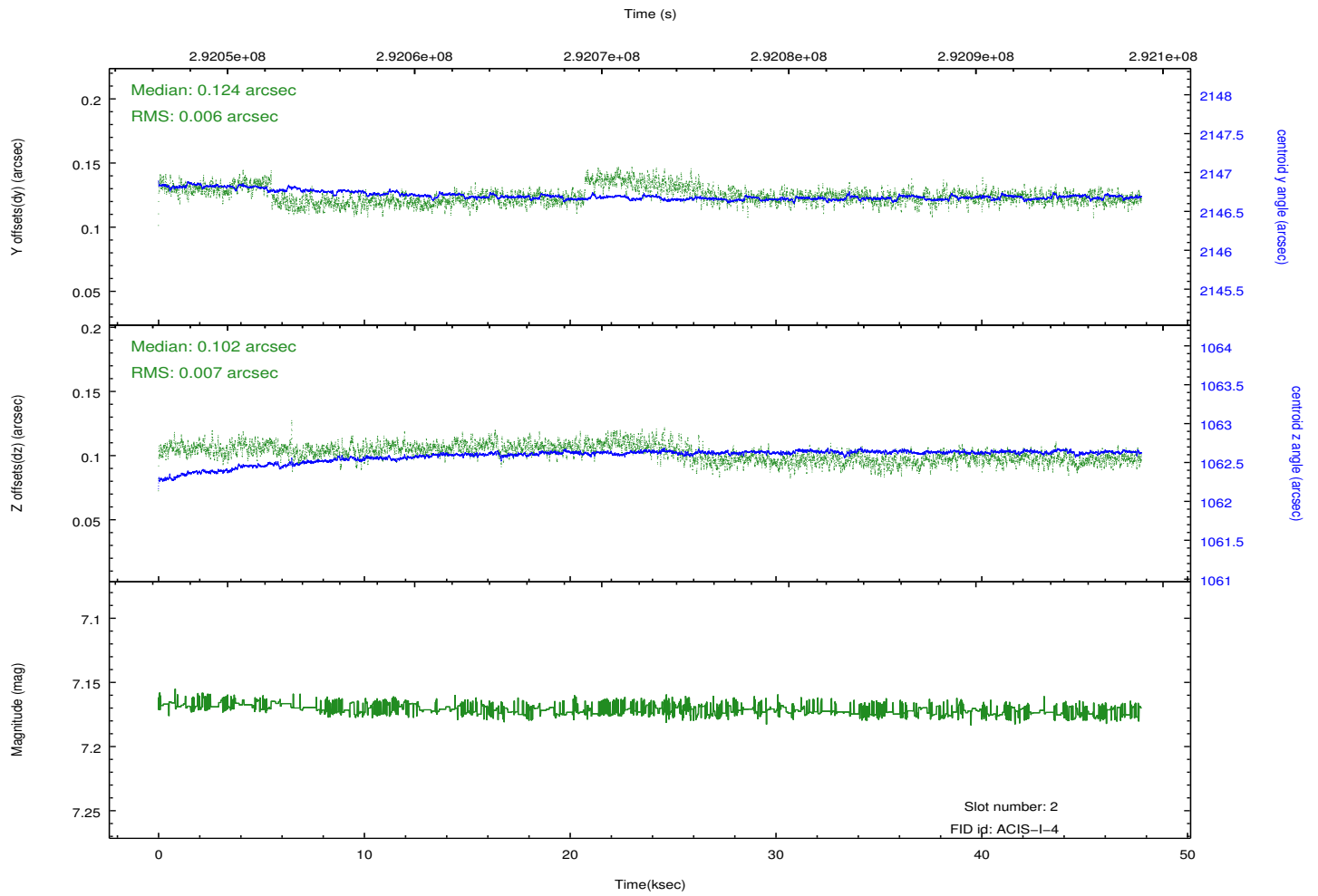
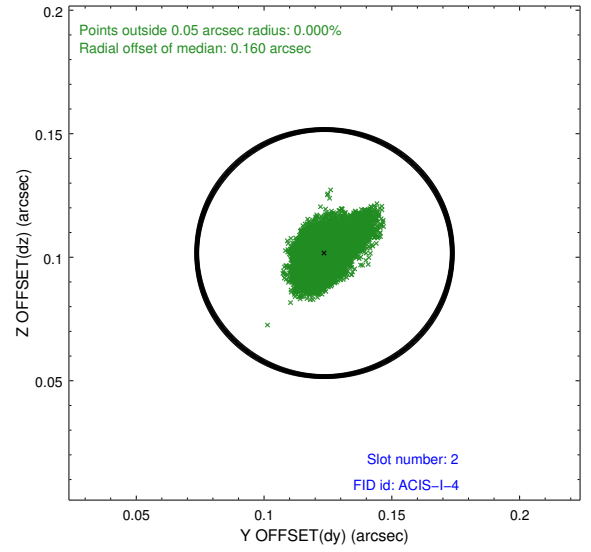
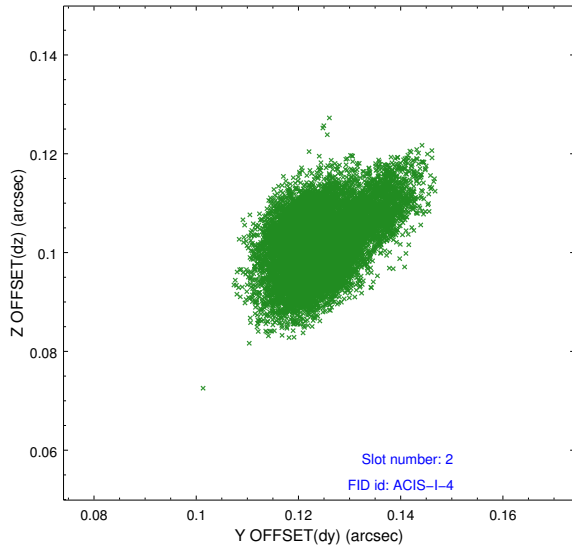
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.7405538

A.2 Comments

Roll preference met.