

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1672 - L2 Version 001
Chandra X-Ray Center

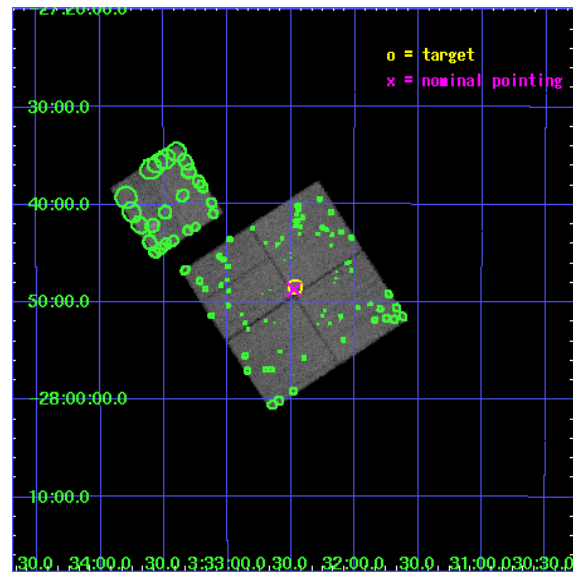
L2 Processing Date : Jun 20 2007

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
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

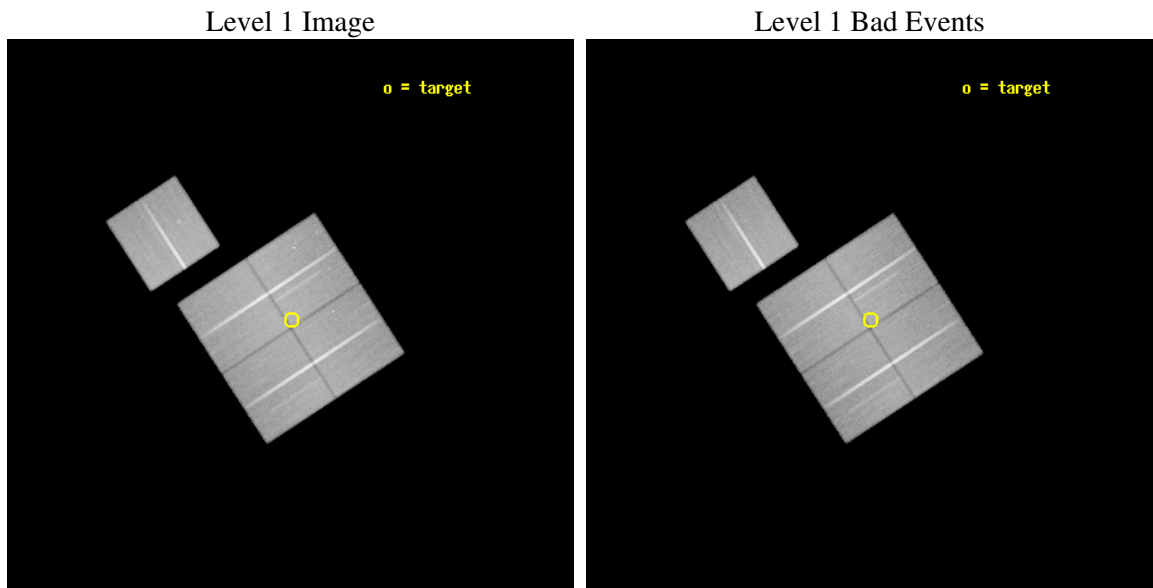
seq_num	900031
obs_id	1672
title	ULTRA DEEP AXAF OBSERVATION WITH ACIS
observer	PROF. RICCARDO GIACCONI
object	AXAF SOUTHERN DEEP F
dtcycle	0
cycle	P
ra_targ	53.116667
dec_targ	-27.808333
ra_nom	53.119707627386
dec_nom	-27.812347331069
roll_nom	326.90112110289
revision	2
ontime	96394.417834342
livetime	95134.953800798
ontime0	96400.699814647
ontime1	96397.558824494
ontime2	96388.135903865
ontime3	96394.417834342
ontime6	96400.699814647
l2events	286531



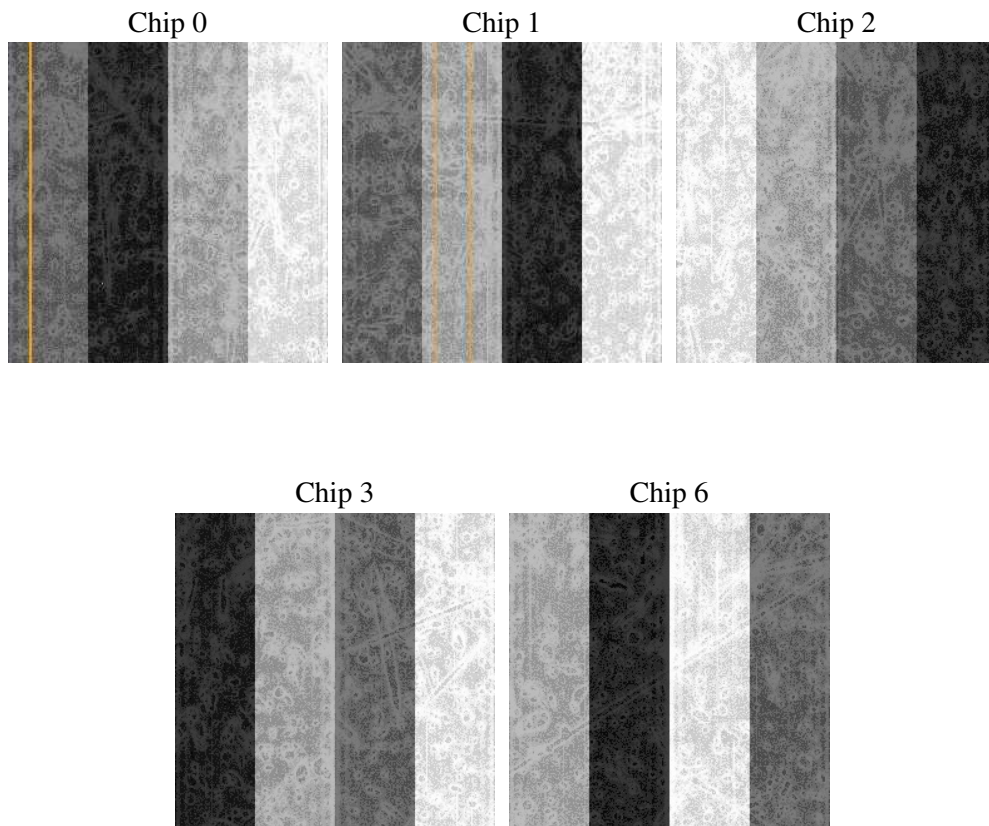
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-20T13:27:39
revision	2

sched_exp_time	96292.170000
ontime	96394.417834342
ontime0	96400.699814647
ontime1	96397.558824494
ontime2	96388.135903865
ontime3	96394.417834342
ontime6	96400.699814647
l1events	2858041

2.1.4 Events

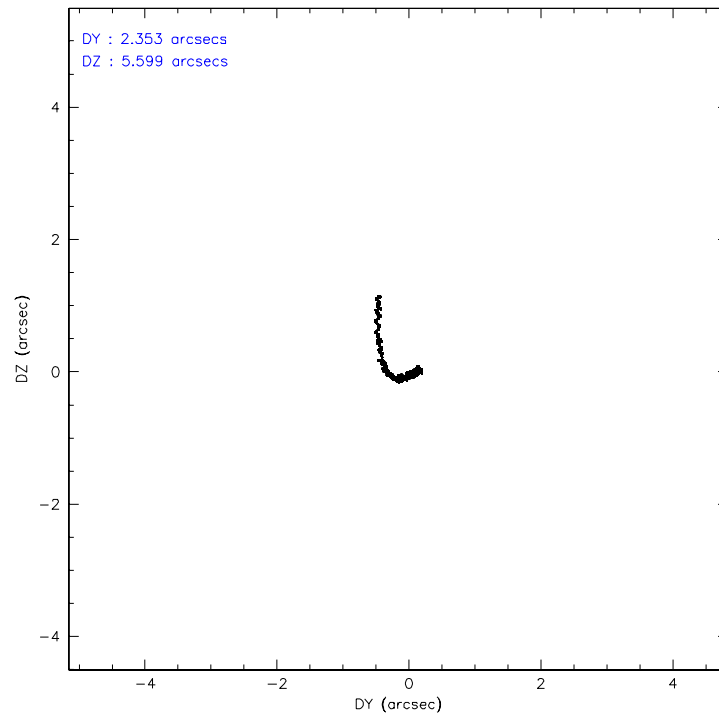
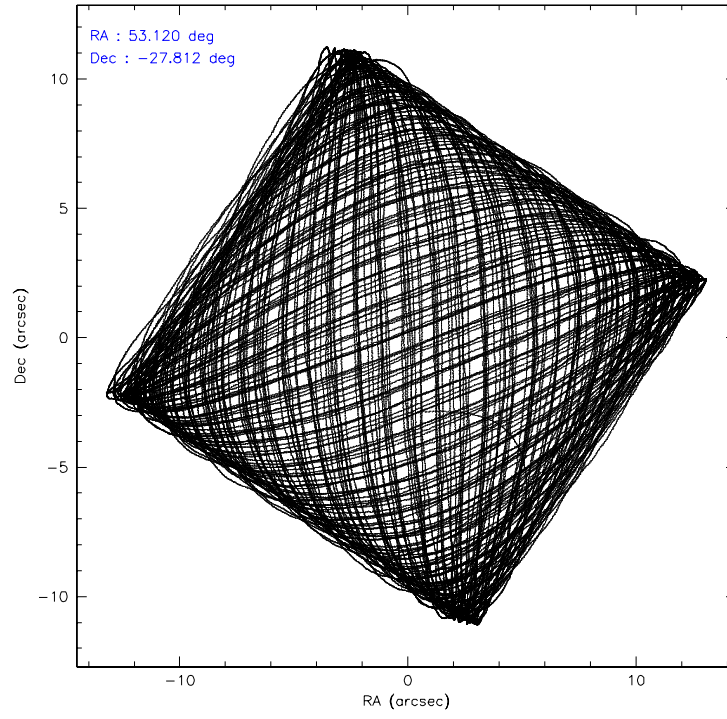
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	543971	541632	590467	593989	587982
rejected events	477600	471144	526274	526870	521346
rejected %	87%	86%	89%	88%	88%

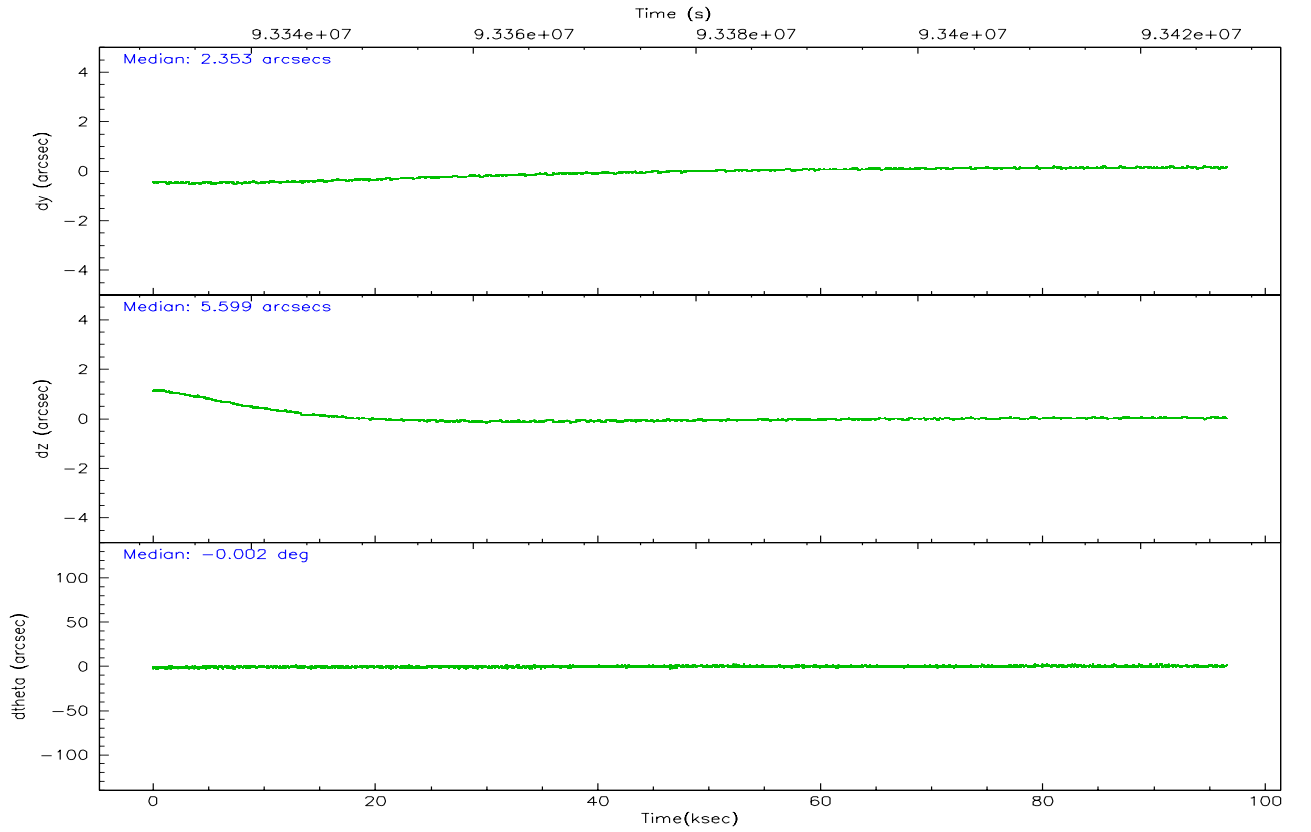
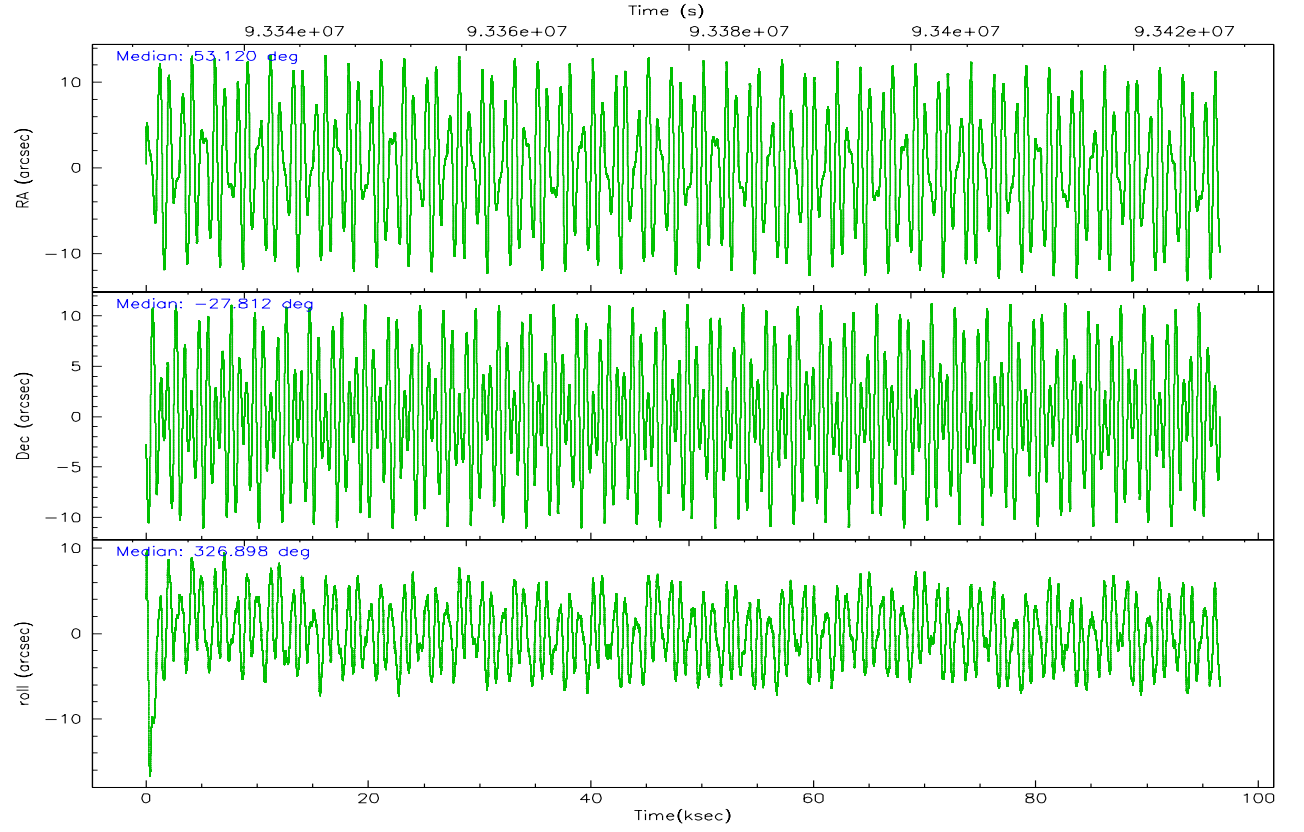
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	27592	28875	27120	29159	27372
	5%	5%	4%	4%	4%
grade 1 events	266	261	272	297	271
	0%	0%	0%	0%	0%
grade 2 events	13919	14005	13590	13302	13122
	2%	2%	2%	2%	2%
grade 3 events	6883	7253	6273	6515	6680
	1%	1%	1%	1%	1%
grade 4 events	6013	7266	6086	6336	6467
	1%	1%	1%	1%	1%
grade 5 events	20860	22364	19893	22503	24157
	3%	4%	3%	3%	4%
grade 6 events	11967	13095	11126	11810	13000
	2%	2%	1%	1%	2%
grade 7 events	456471	448513	506107	504067	496913
	83%	82%	85%	84%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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
Pointing RA	53.088679	53.1197076273856	Subarray requested	NONE	NONE
Pointing Dec	-27.810805	-27.81234733106887	Alternating exposures requested	N	N
Pointing Roll	326.677958	326.9011211028887	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	93331487.184000	93330475.711574			
Observation start date	2000-12-16T05:23:43	2000-12-16T05:07:55			
Observation end time	93427780.184000	93428094.152806			
Observation end date	2000-12-17T08:08:36	2000-12-17T08:14:54			
Read mode	TIMED	TIMED			

2.3 Aspect



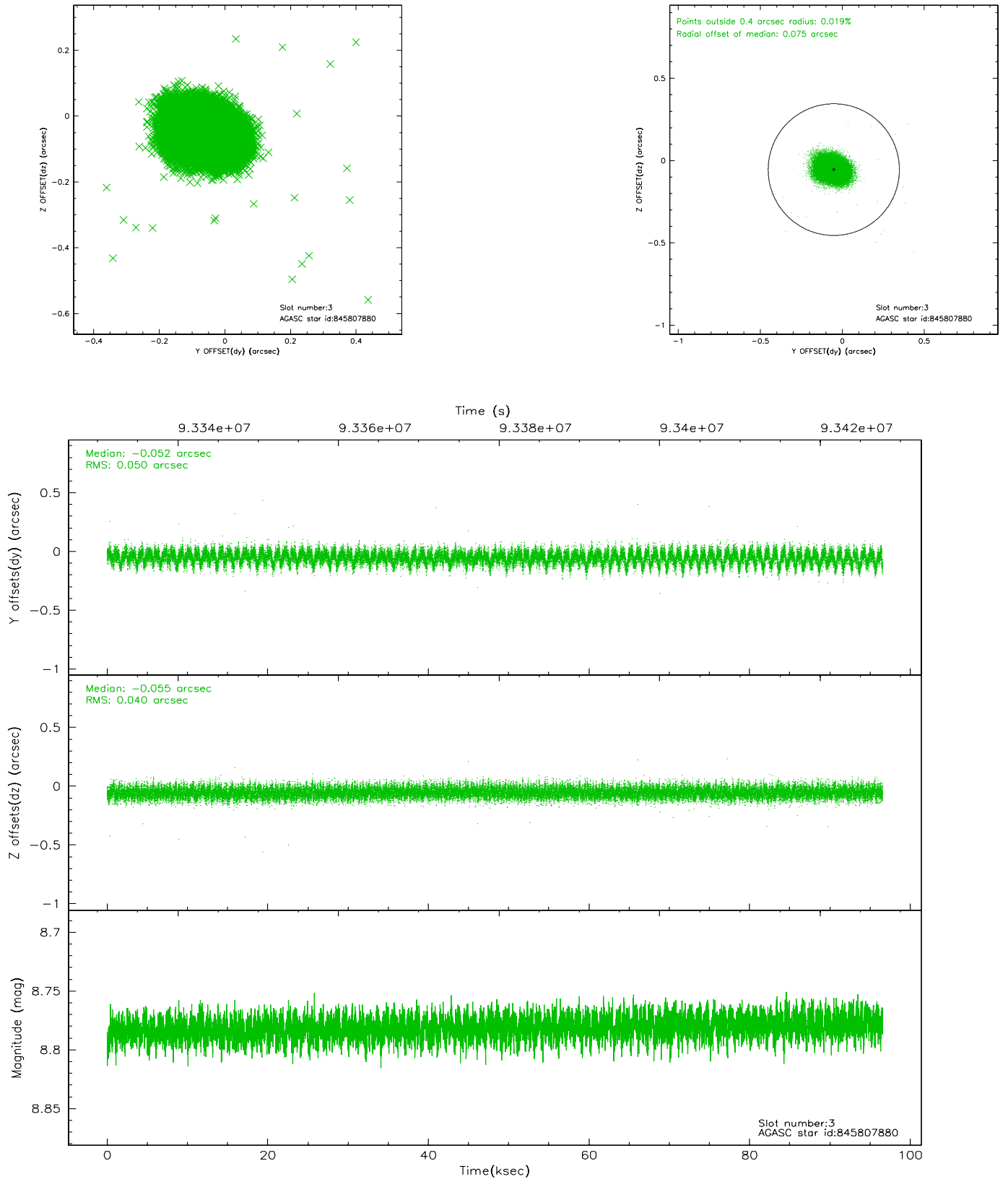


Slot Statistics

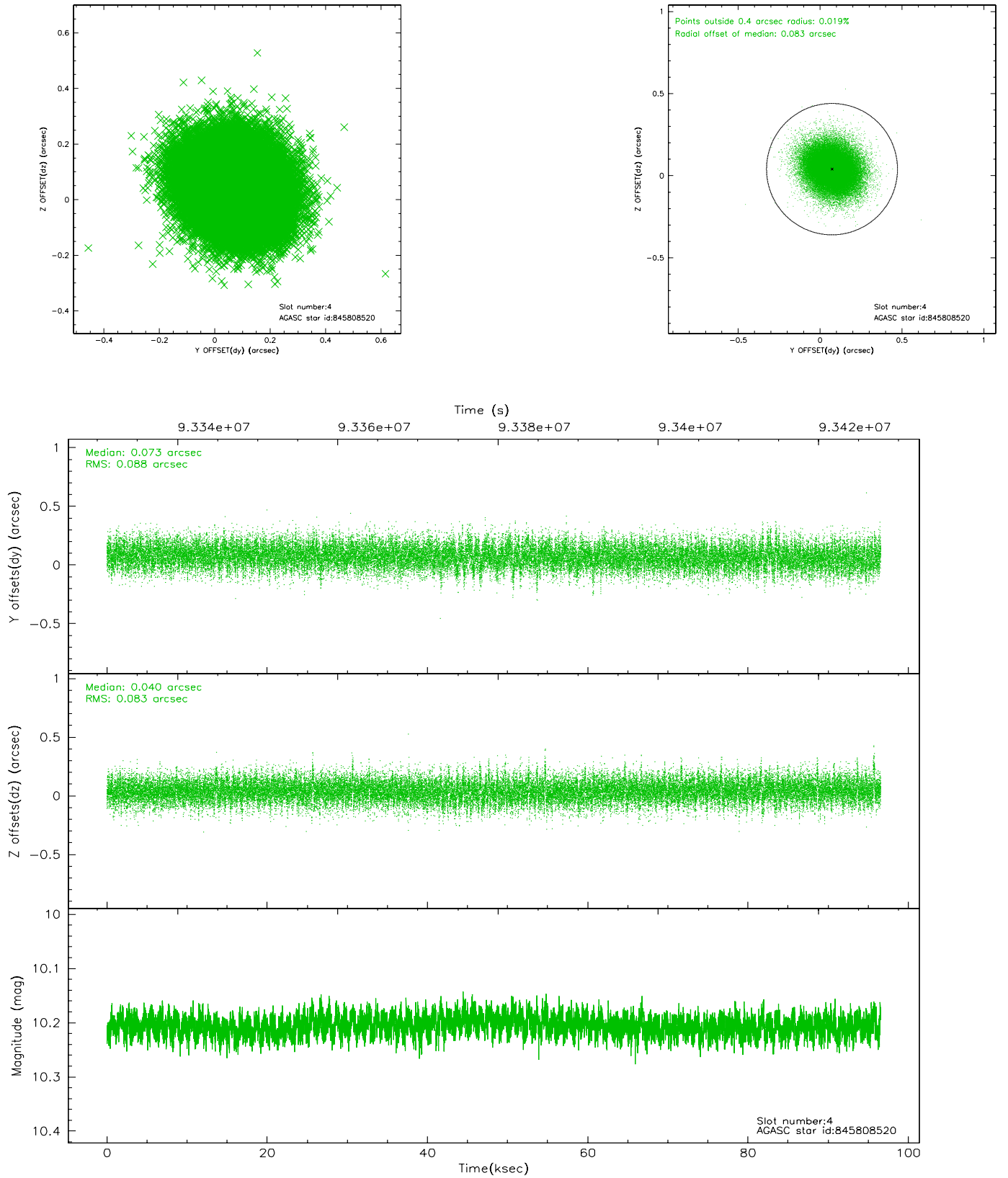
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	23554	-0.016	-0.020	0.014	0.030	0.000000	0.000000	-756.65	-835.42
1	FID	ACIS-I-4	7.19	23548	-0.067	0.024	0.010	0.018	0.000000	0.000000	2157.40	1070.84
2	FID	ACIS-I-5	7.23	23555	-0.018	0.065	0.012	0.023	0.000000	0.000000	-1810.58	1068.64
3	GUIDE	845807880	8.78	47102	-0.052	-0.055	0.067	0.111	53.382027	-27.886093	929.60	285.48
4	GUIDE	845808520	10.21	47070	0.073	0.040	0.128	0.210	53.575292	-27.720766	1119.72	1120.42
5	GUIDE	845676936	9.52	47078	-0.048	-0.049	0.094	0.153	52.843773	-27.880153	-513.39	-637.28
6	GUIDE	845676728	9.33	47094	-0.113	-0.091	0.081	0.134	52.877179	-27.664318	-852.80	69.68
7	GUIDE	845808968	9.96	47073	0.141	0.154	0.114	0.182	54.016598	-27.589085	2041.84	2284.51

2.4 Star Slots

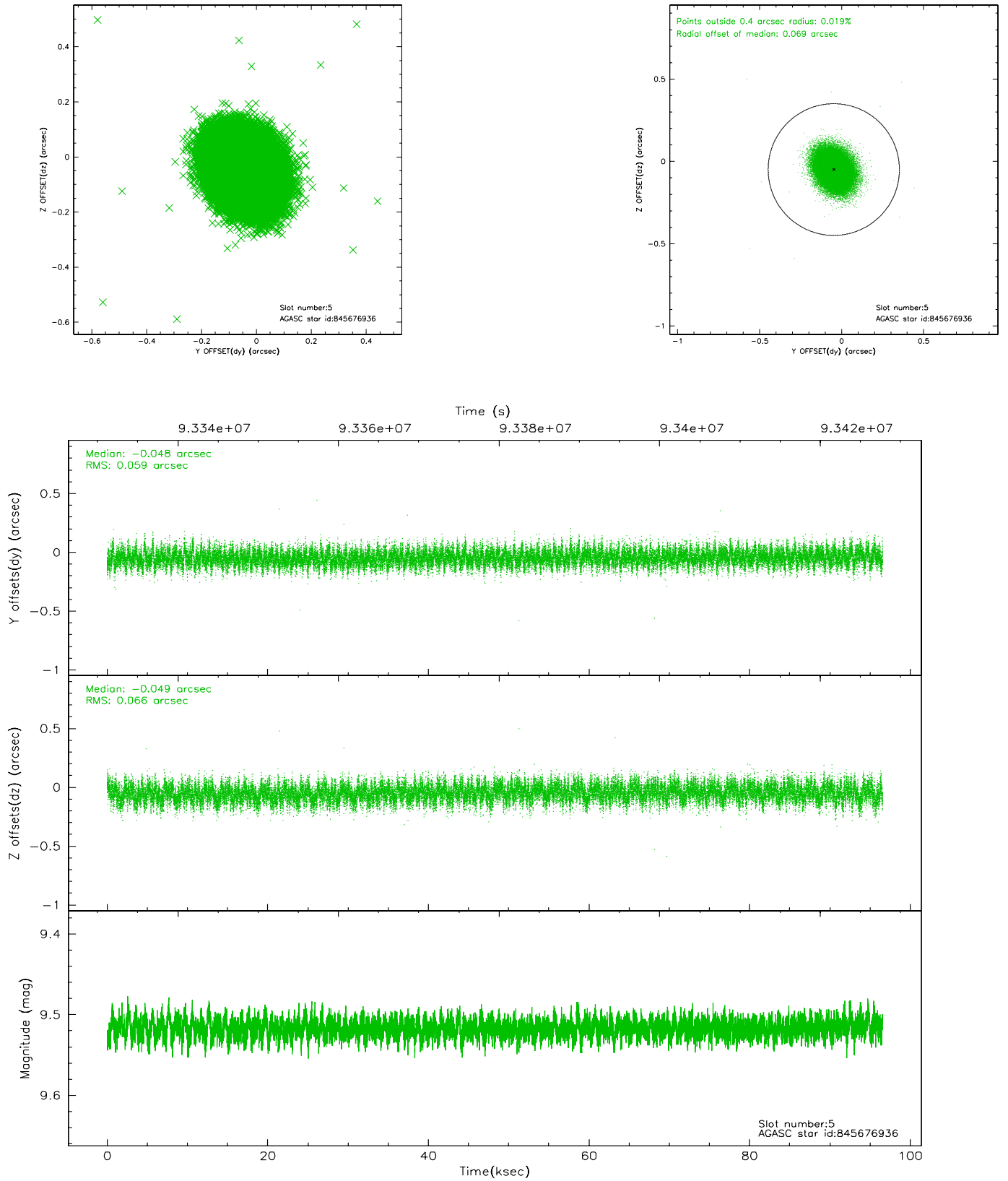
2.4.1 Slot 3



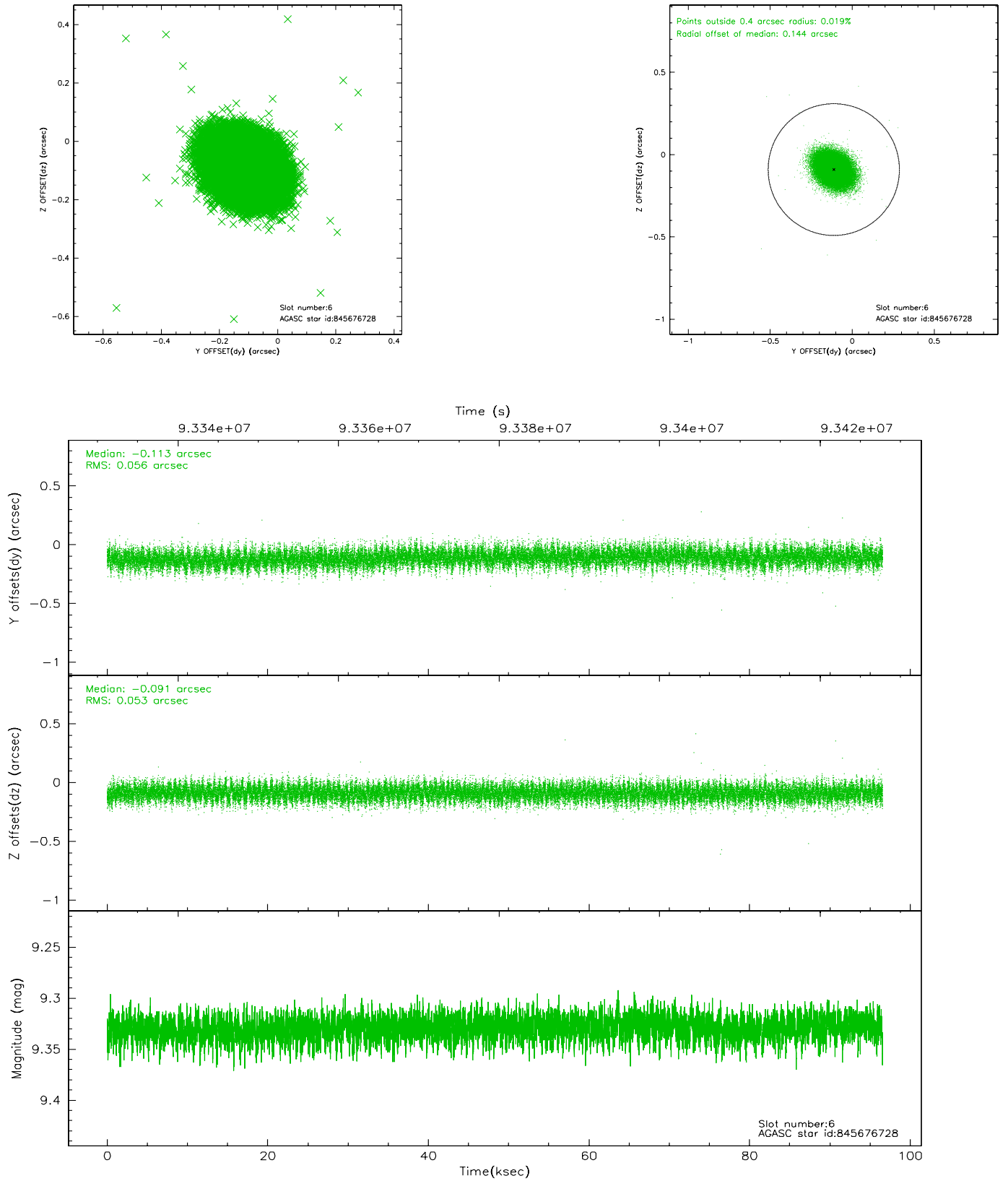
2.4.2 Slot 4



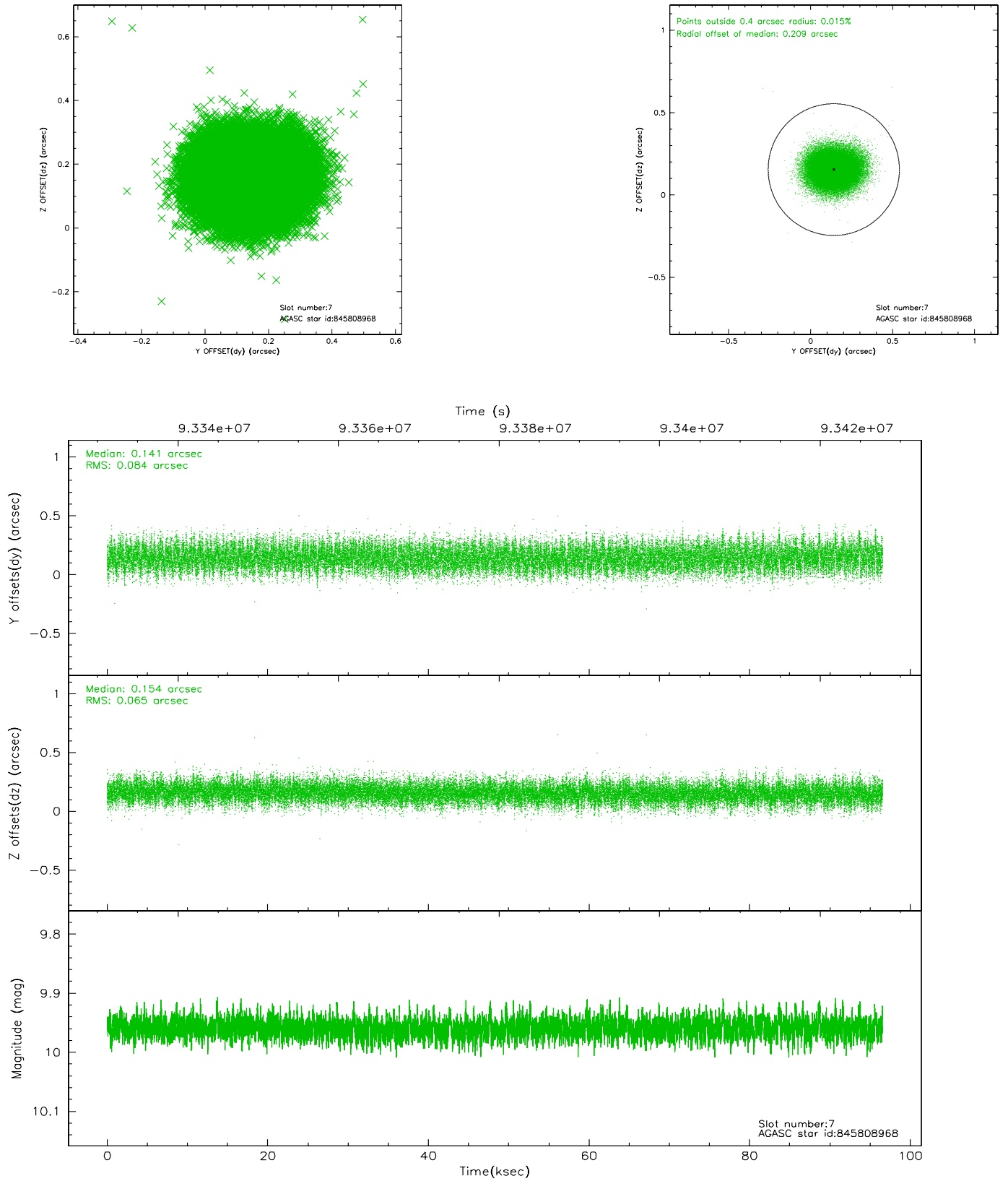
2.4.3 Slot 5



2.4.4 Slot 6

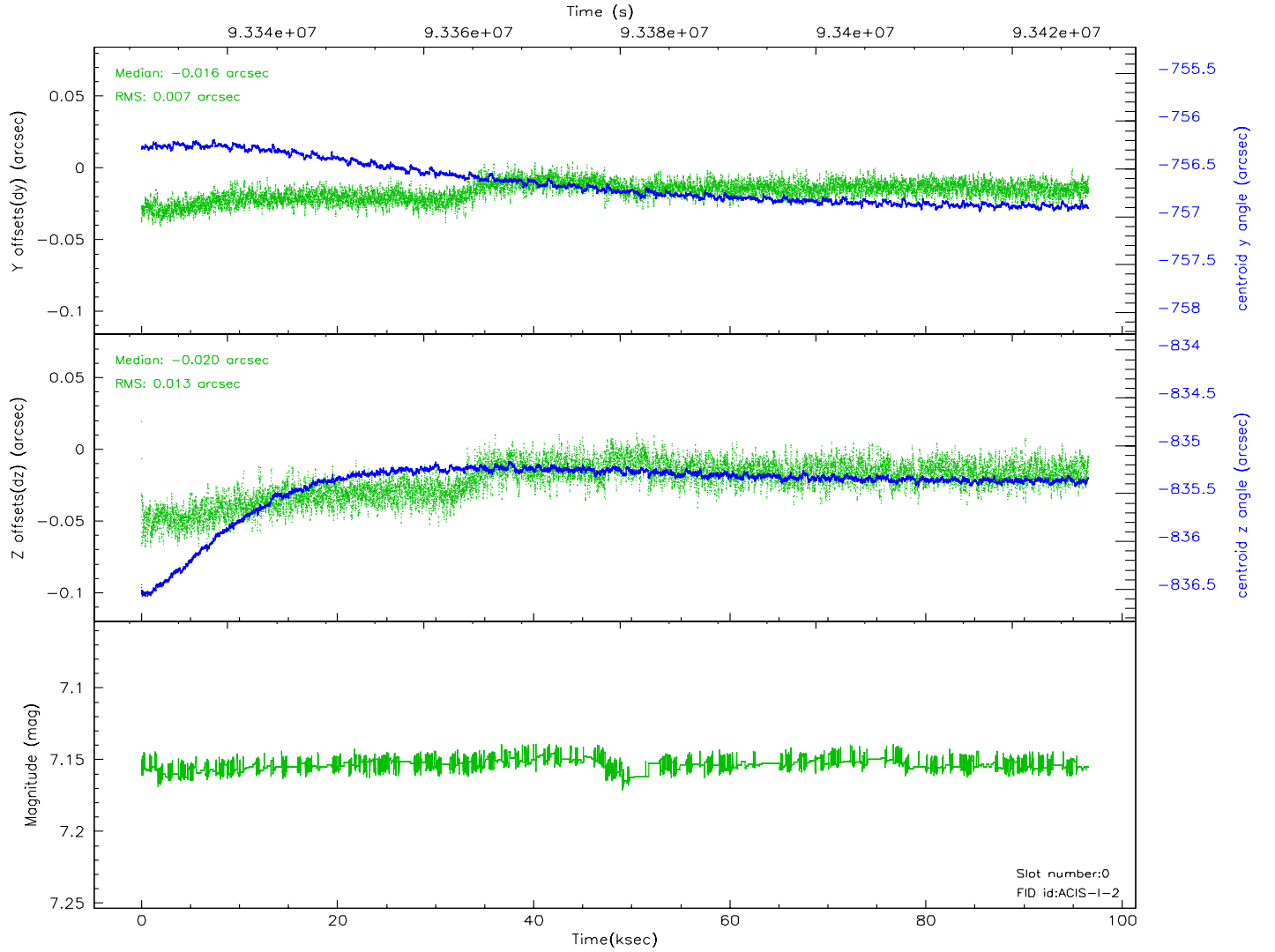
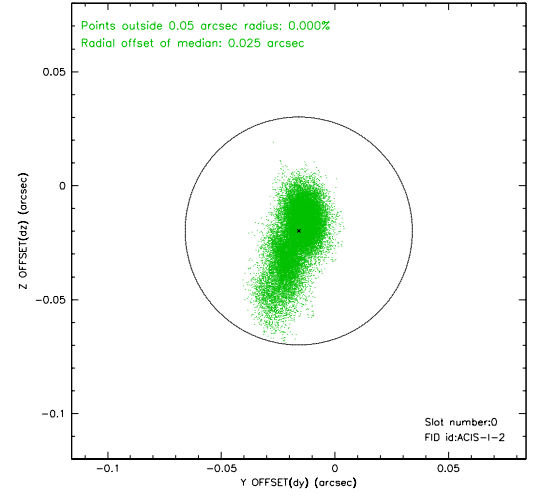
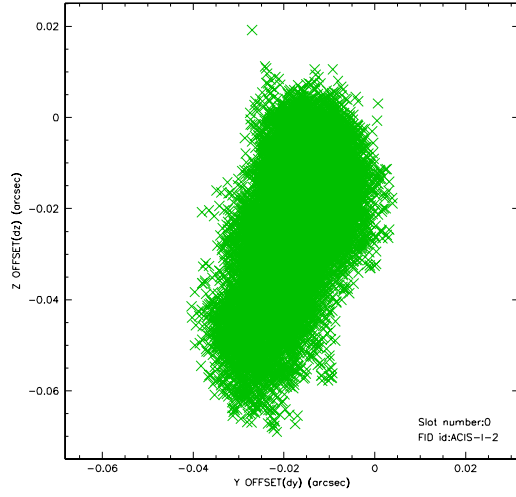


2.4.5 Slot 7

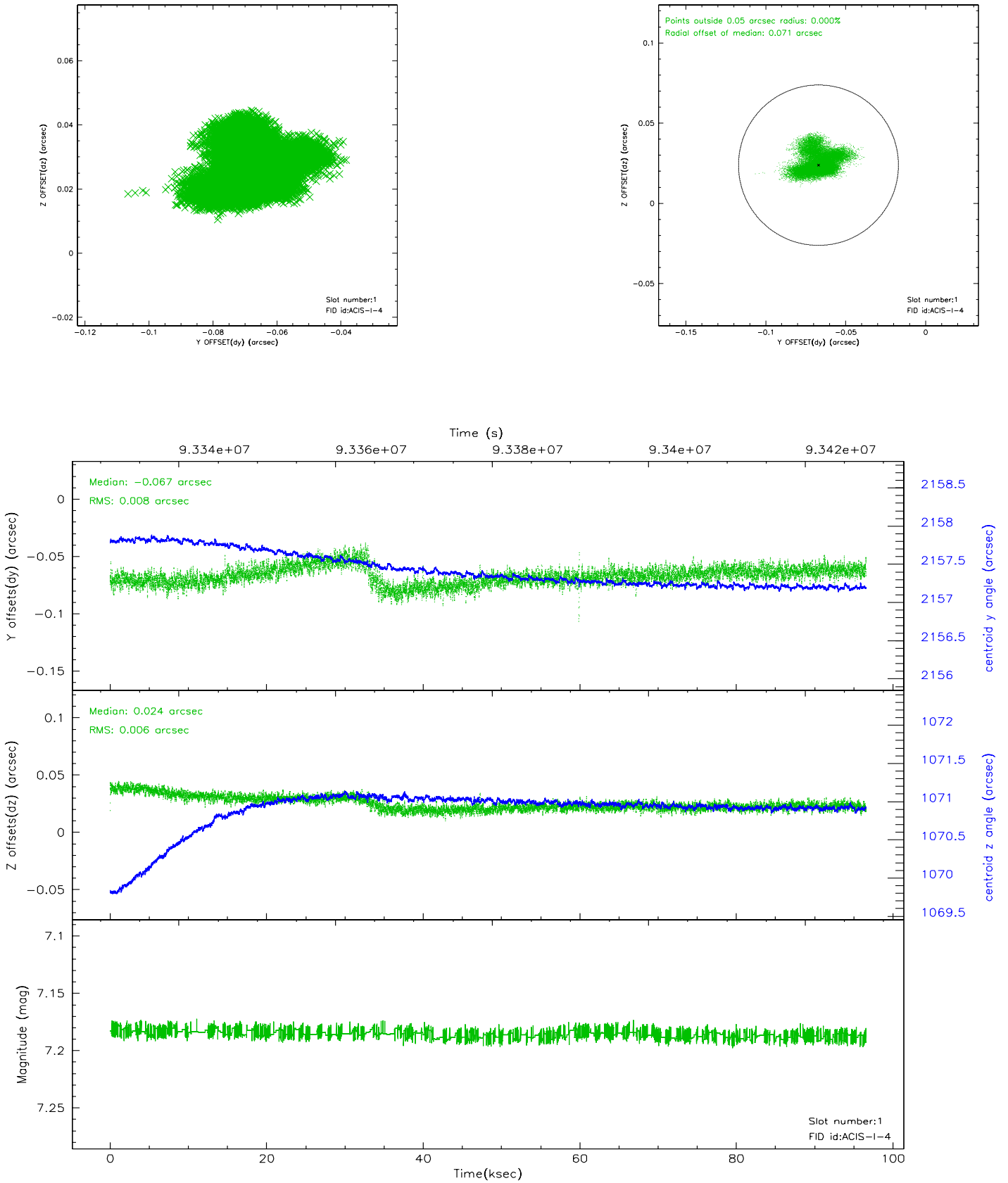


2.5 FID Slots

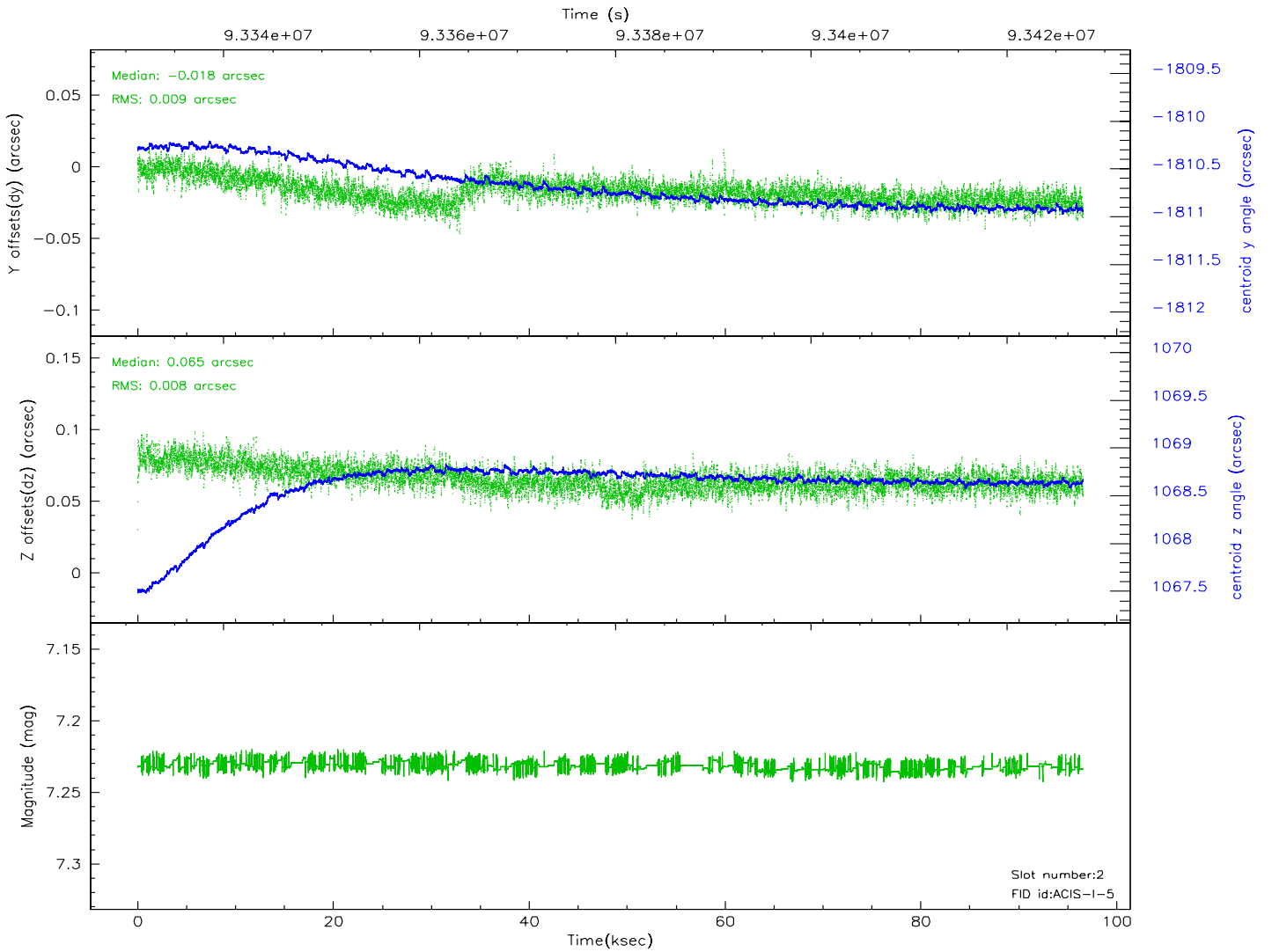
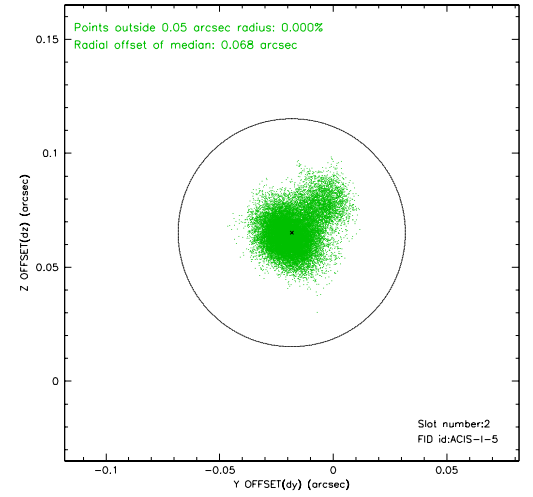
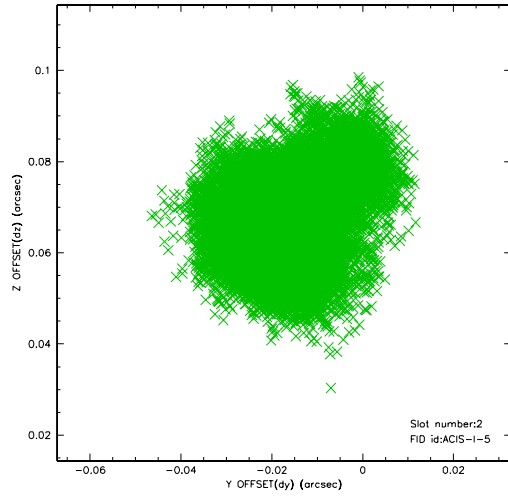
2.5.1 Slot 0



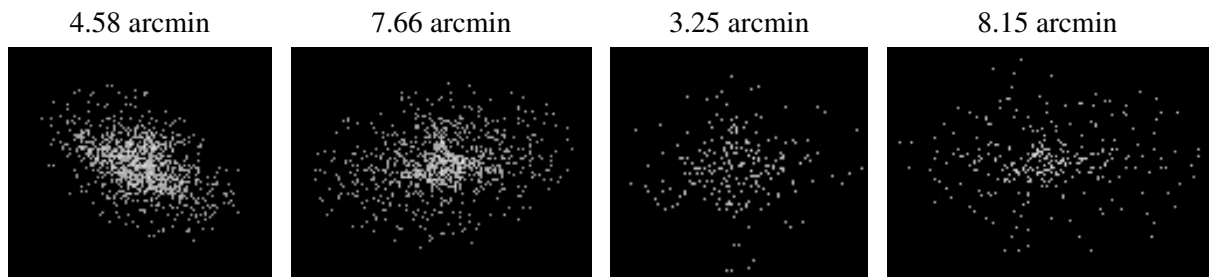
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	96.397

A.2 Comments