

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3536 - L2 Version 001
Chandra X-Ray Center

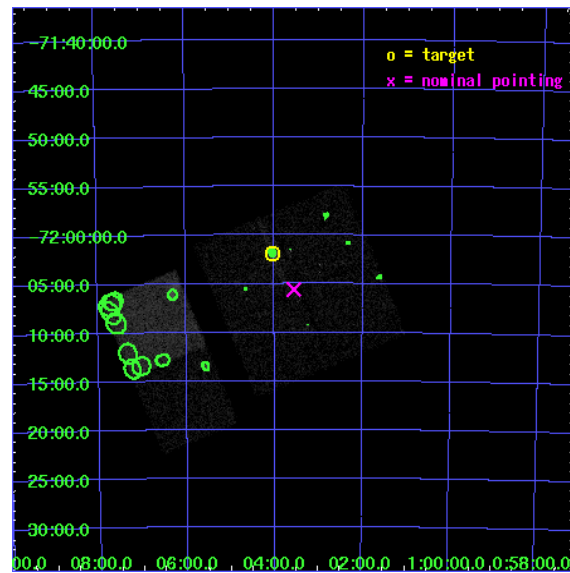
L2 Processing Date : Jul 20 2006

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

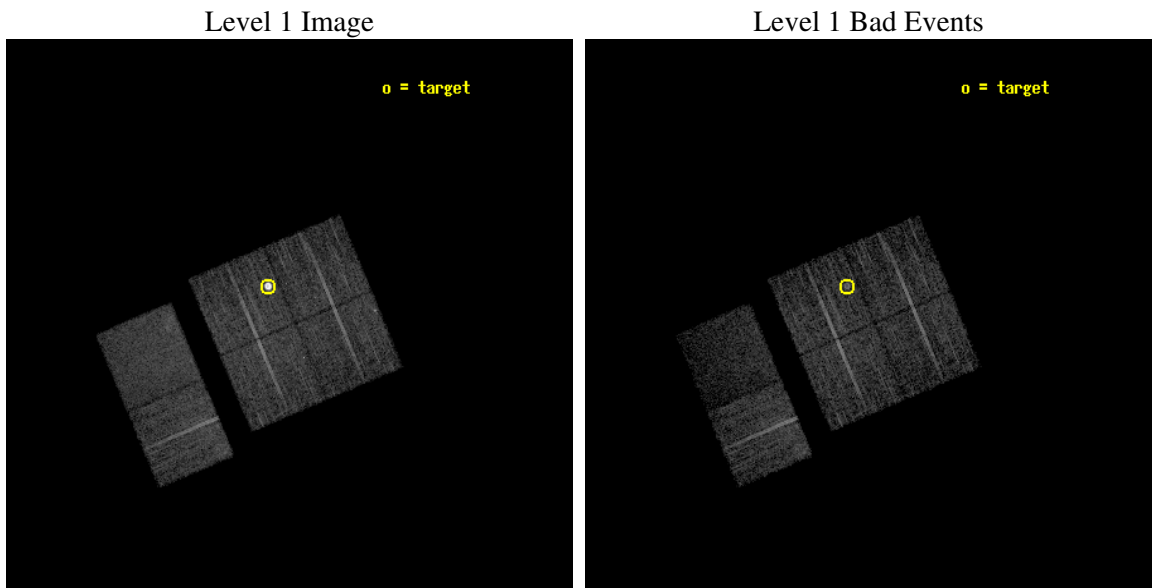
seq_num	590291
obs_id	3536
title	AO4A ACIS-I CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72[I3,-120,-4.0,0.5,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	15.889685754232
dec_nom	-72.093317825544
roll_nom	247.14988232209
revision	2
ontime	7724.759000957
livetime	7626.9434511954
ontime0	7724.7590109706
ontime1	7727.999971211
ontime2	7727.999971211
ontime3	7724.759000957
ontime6	7727.999971211
ontime7	7727.999971211
l2events	59096



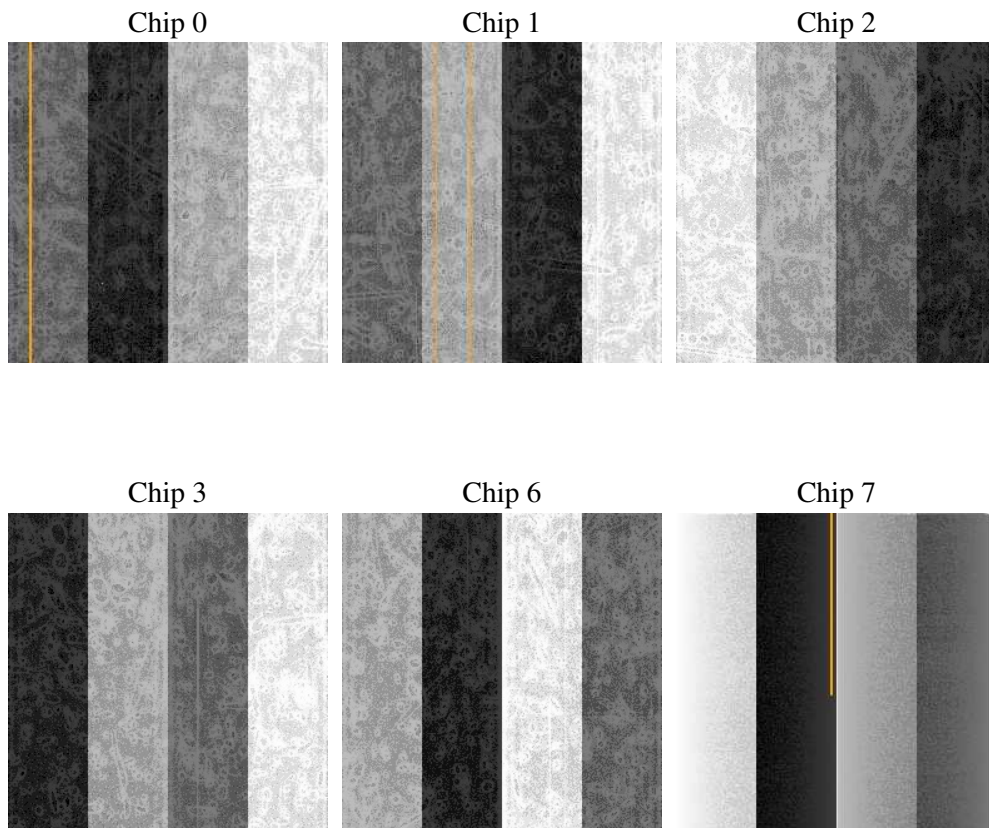
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-20T14:43:12
revision	2

sched_exp_time	7973.000000
ontime	7729.7849942446
ontime0	7729.7850042582
ontime1	7733.0259644985
ontime2	7733.0259644985
ontime3	7729.7849942446
ontime6	7733.0259644985
ontime7	7733.0259943902
l1events	247742

2.1.4 Events

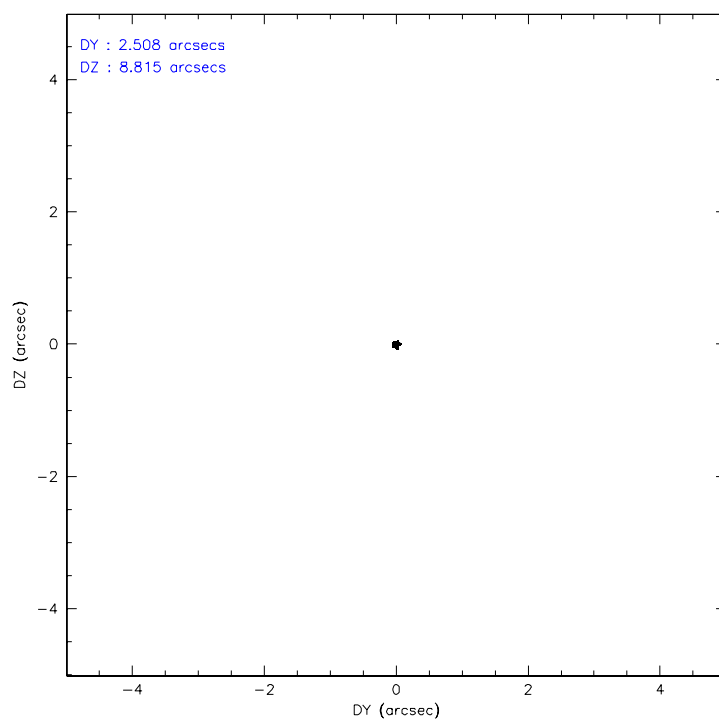
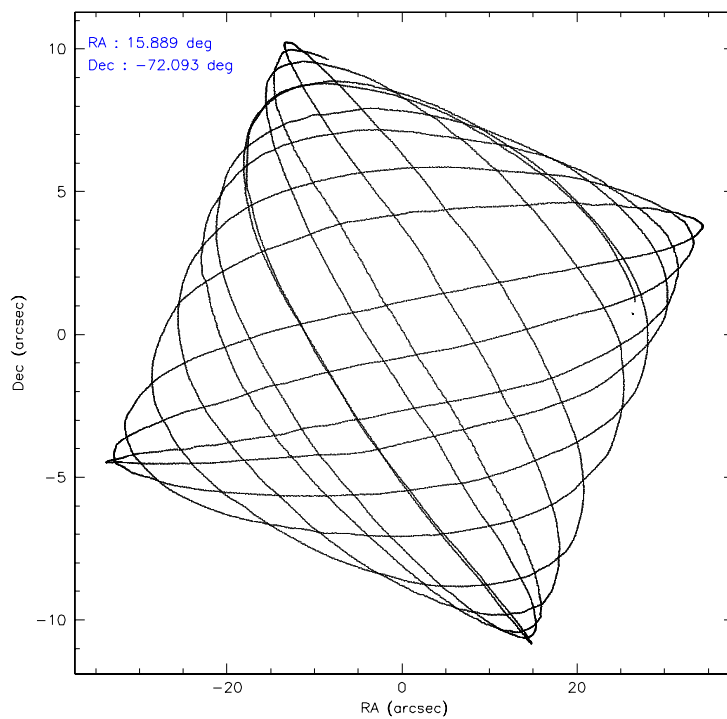
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	34699	34599	39634	63724	39152	35934
rejected events	30671	30348	35280	34602	35039	18639
rejected %	88%	87%	89%	54%	89%	51%

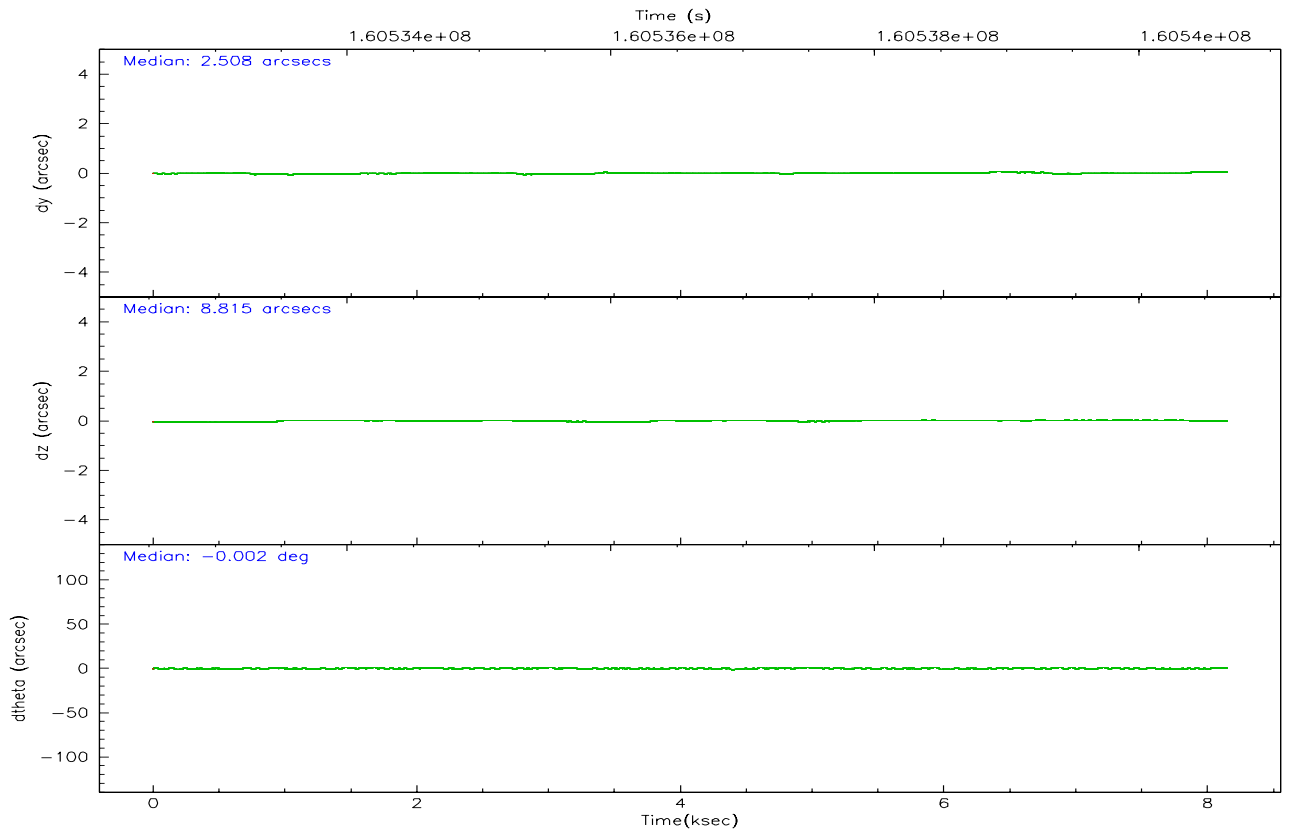
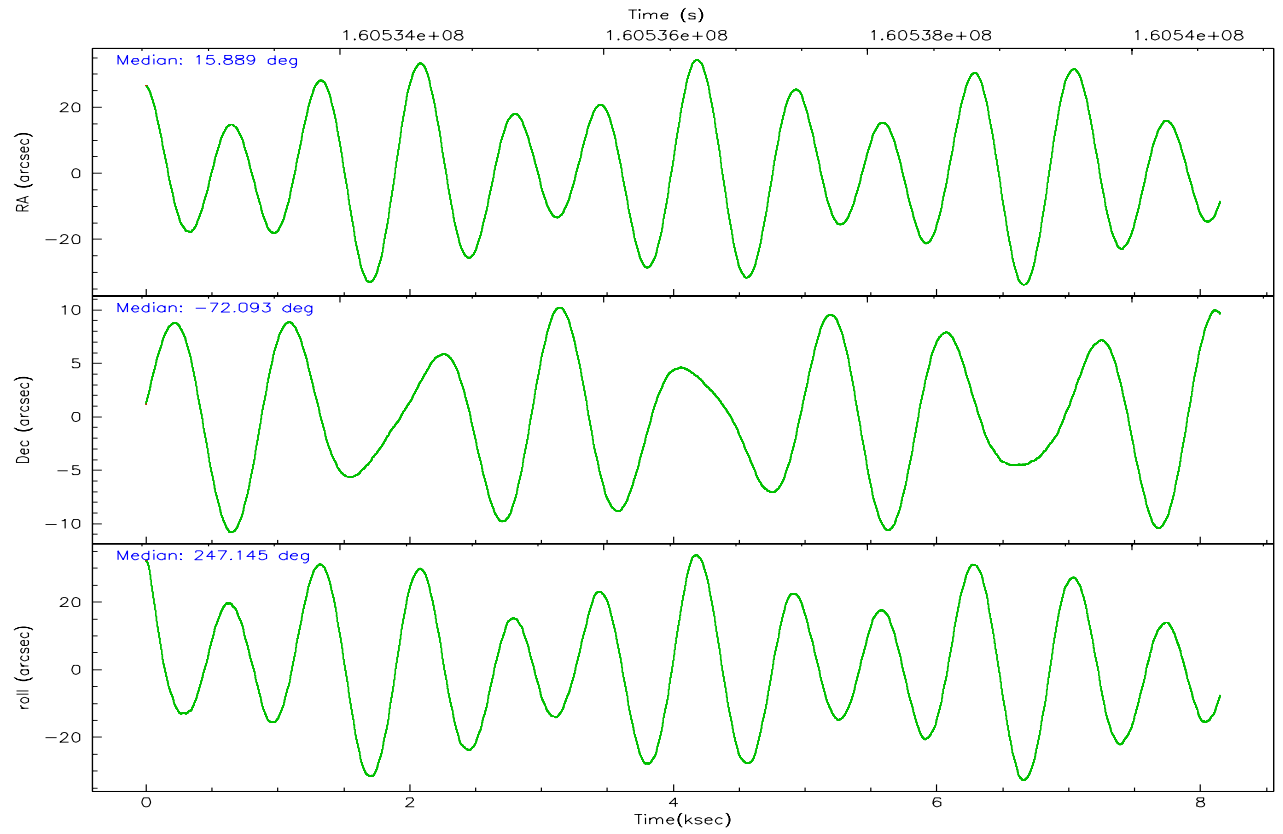
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1699	1726	2030	24216	1645	1411
	4%	4%	5%	38%	4%	3%
grade 1 events	18	18	23	211	22	30
	0%	0%	0%	0%	0%	0%
grade 2 events	884	814	846	2456	841	4463
	2%	2%	2%	3%	2%	12%
grade 3 events	399	495	414	830	432	1166
	1%	1%	1%	1%	1%	3%
grade 4 events	393	470	460	830	441	1154
	1%	1%	1%	1%	1%	3%
grade 5 events	1018	1164	998	1298	1289	2823
	2%	3%	2%	2%	3%	7%
grade 6 events	656	749	604	826	756	9121
	1%	2%	1%	1%	1%	25%
grade 7 events	29632	29163	34259	33057	33726	15766
	85%	84%	86%	51%	86%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	15.878296	15.88968575423183	Alternating exposures requested	N	N
Pointing Dec	-72.066213	-72.0933178255444	Primary exposure time	0.000000	3.2
Pointing Roll	246.930370	247.1498823220921			
Window start time	158976064.184000	158976064.184000			
Window stop time	161654464.184000	161654464.184000			
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	160532705.184000	160532329.44557			
Observation start date	2003-02-02T00:24:01	2003-02-02T00:18:49			
Observation end time	160540678.184000	160540812.34593			
Observation end date	2003-02-02T02:36:54	2003-02-02T02:40:12			
Read mode	TIMED	TIMED			

2.3 Aspect



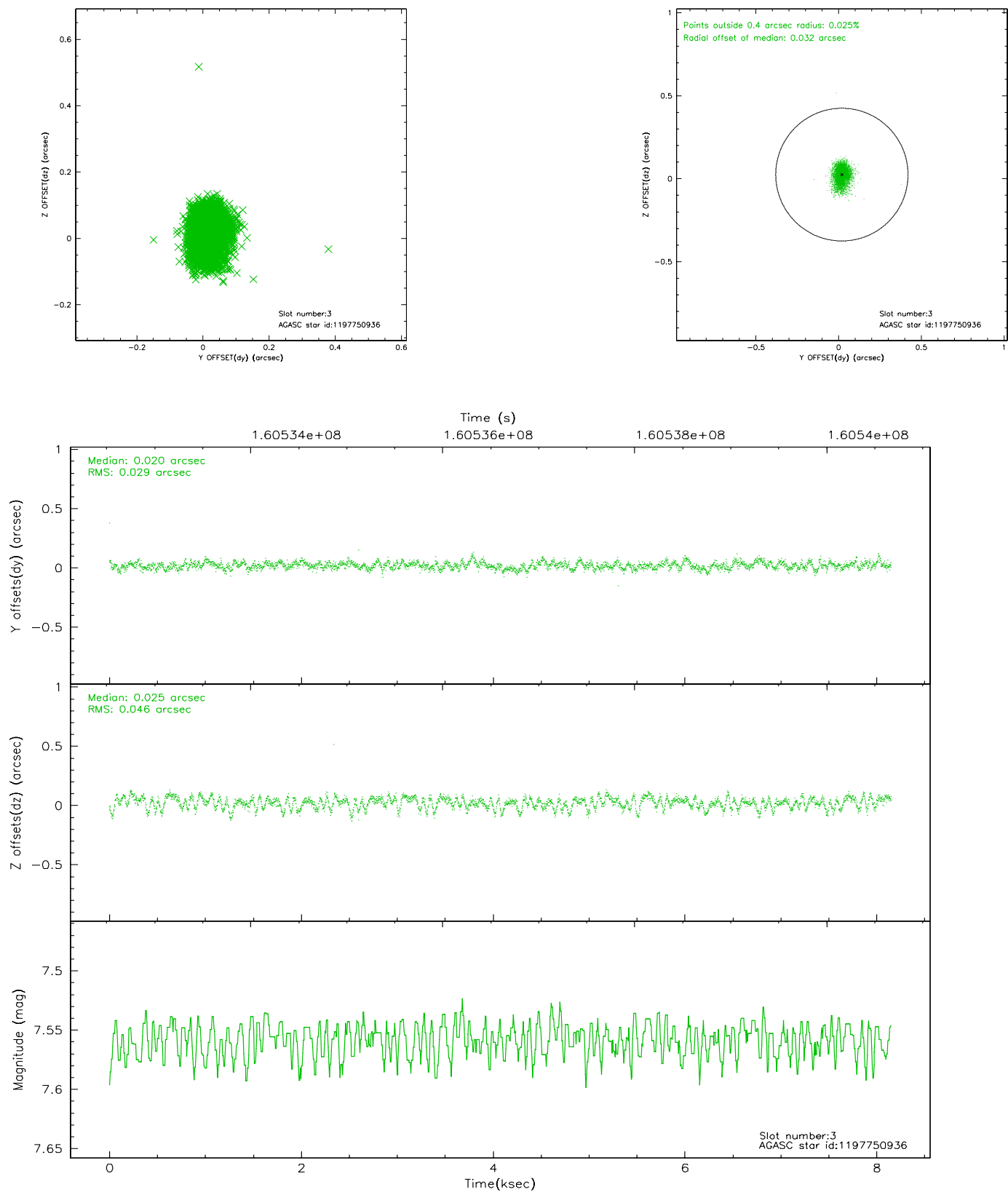


Slot Statistics

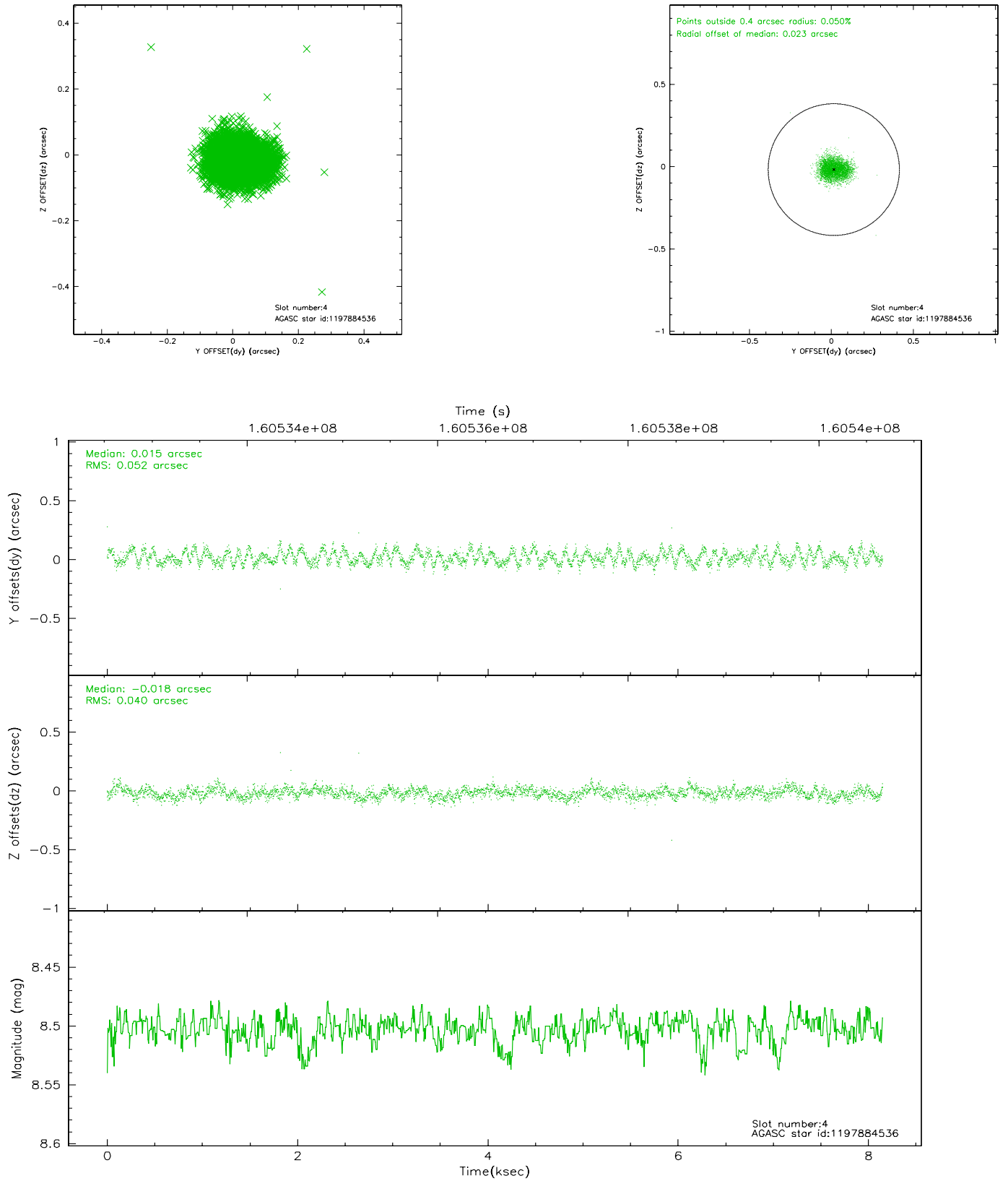
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	1989	-0.055	0.094	0.006	0.010	0.000000	0.000000	937.25	-832.16
1	FID	ACIS-I-5	7.24	1988	-0.023	0.016	0.006	0.009	0.000000	0.000000	-1810.45	1064.90
2	FID	ACIS-I-6	7.26	1989	-0.014	-0.039	0.006	0.010	0.000000	0.000000	402.08	1710.14
3	GUIDE	1197750936	7.56	3975	0.020	0.025	0.056	0.096	15.387940	-71.549550	-1489.65	-1241.64
4	GUIDE	1197884536	8.50	3975	0.015	-0.018	0.071	0.109	17.160729	-71.835289	-1314.78	1004.25
5	GUIDE	1197885104	9.37	3975	0.051	-0.128	0.087	0.142	17.845067	-72.189368	-407.92	2180.15
6	GUIDE	1197750824	10.10	3975	0.122	0.135	0.118	0.190	14.791487	-71.393477	-1728.16	-2092.24
7	GUIDE	1198189696	7.37	3976	-0.211	-0.008	0.054	0.085	15.223750	-72.697522	2368.80	247.38

2.4 Star Slots

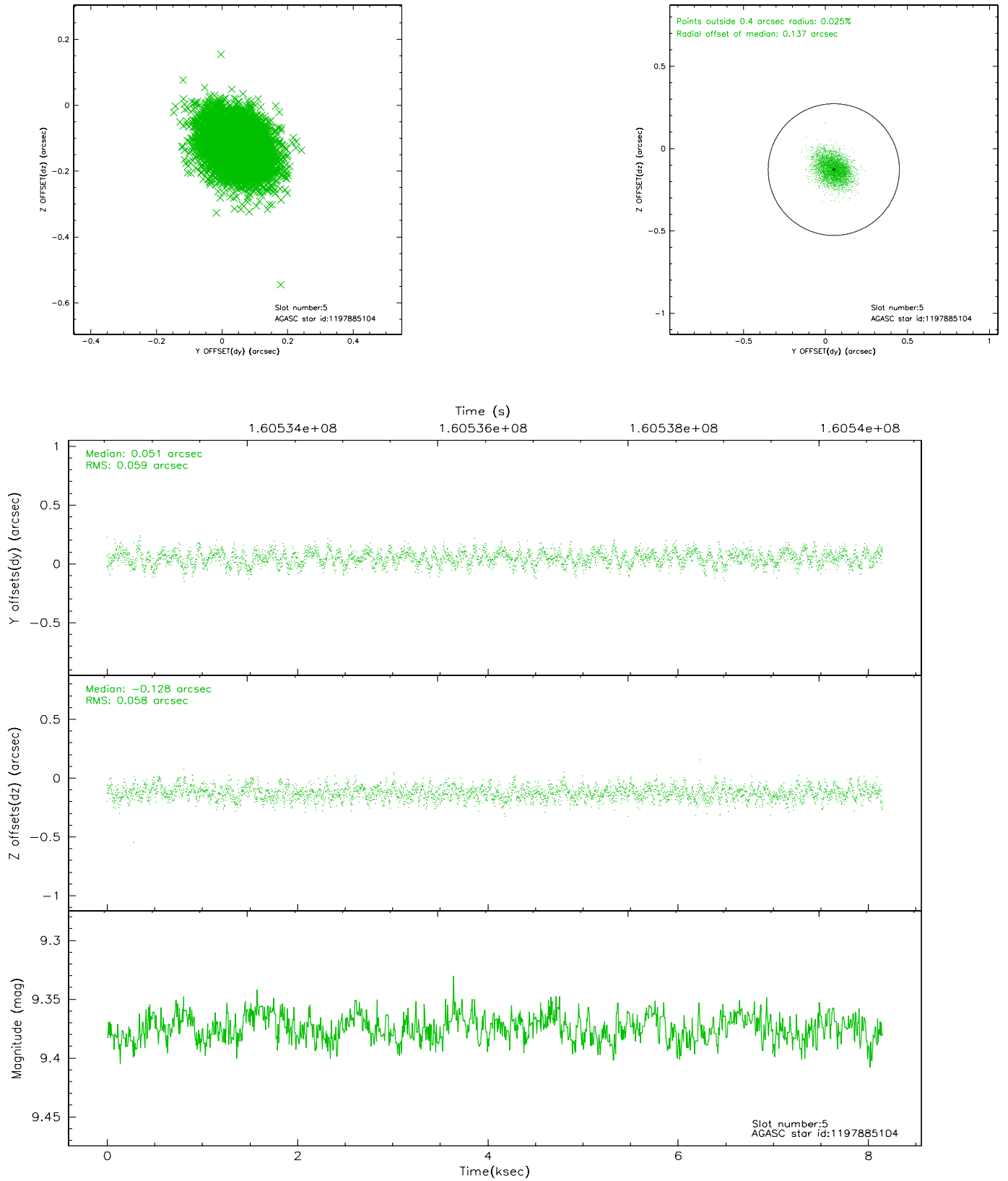
2.4.1 Slot 3



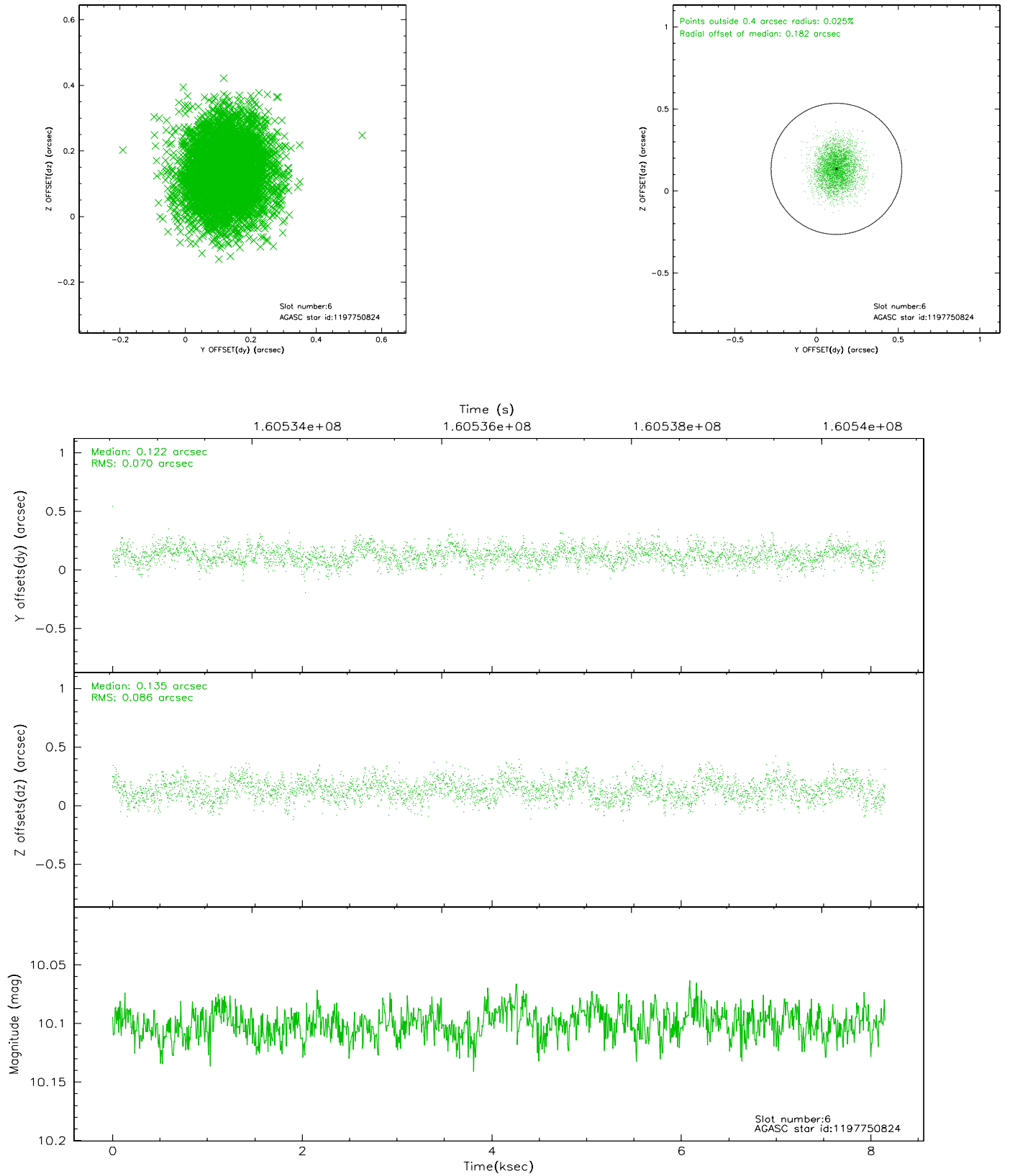
2.4.2 Slot 4



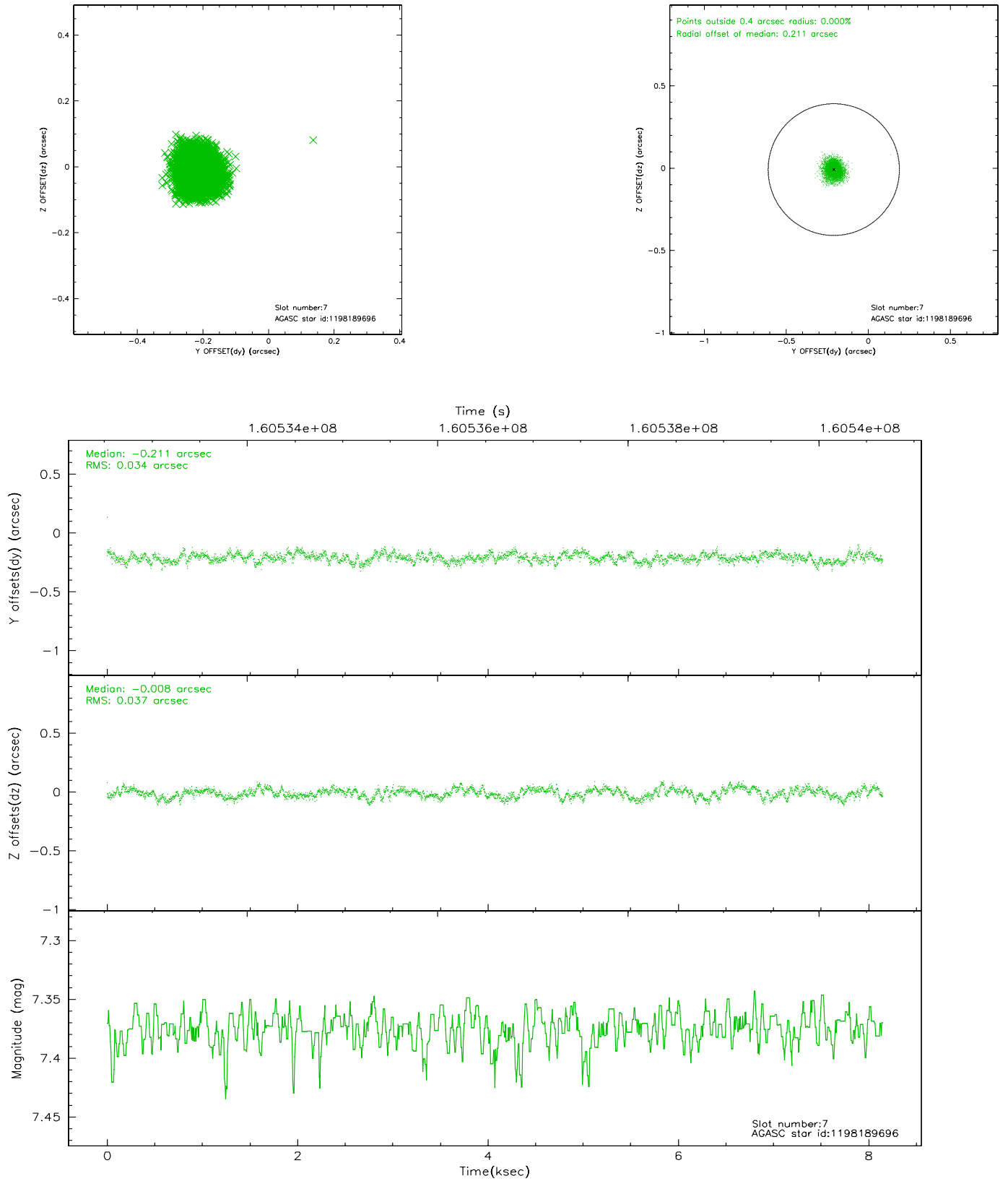
2.4.3 Slot 5



2.4.4 Slot 6

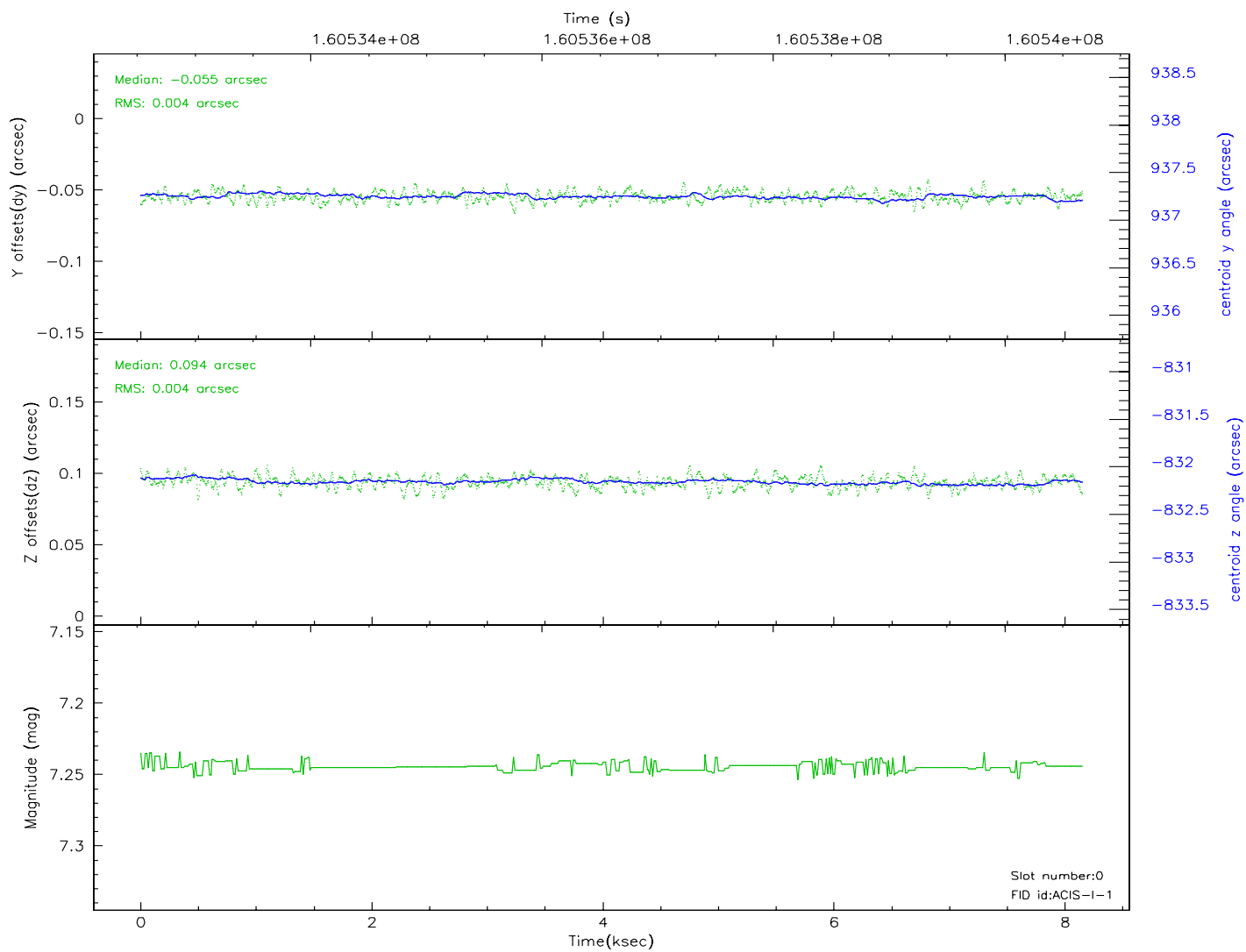
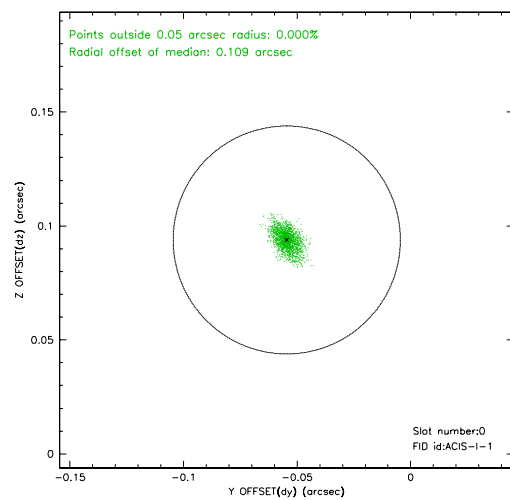
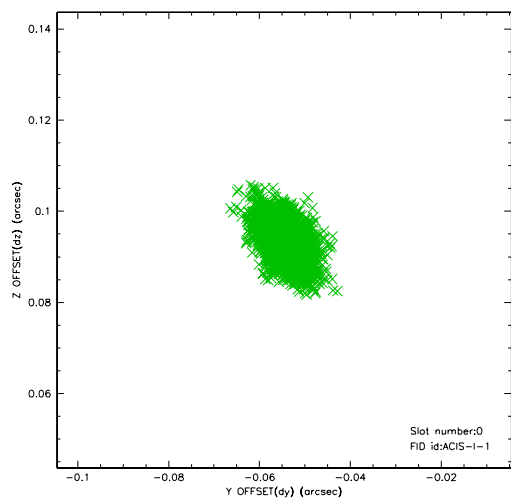


2.4.5 Slot 7

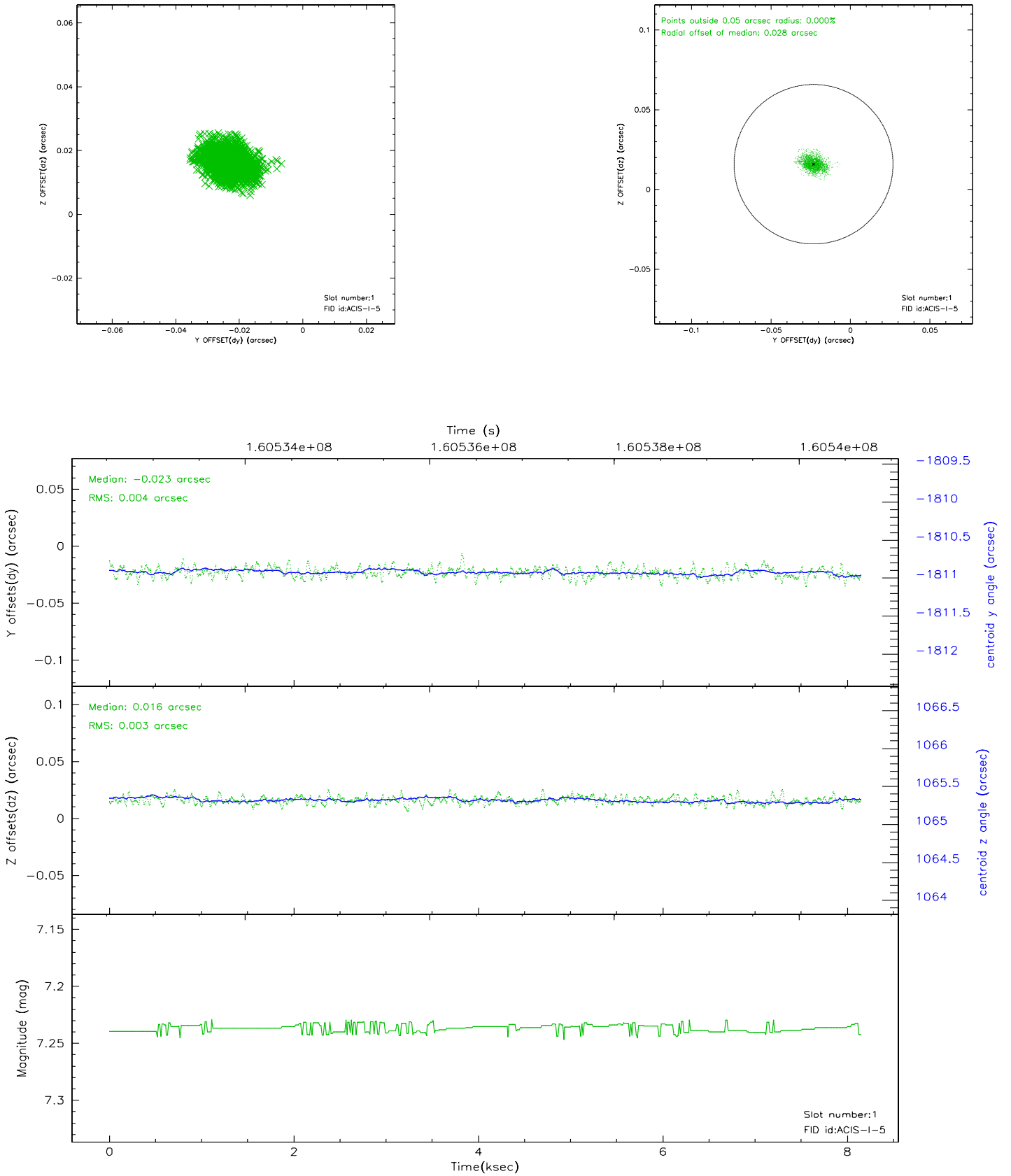


2.5 FID Slots

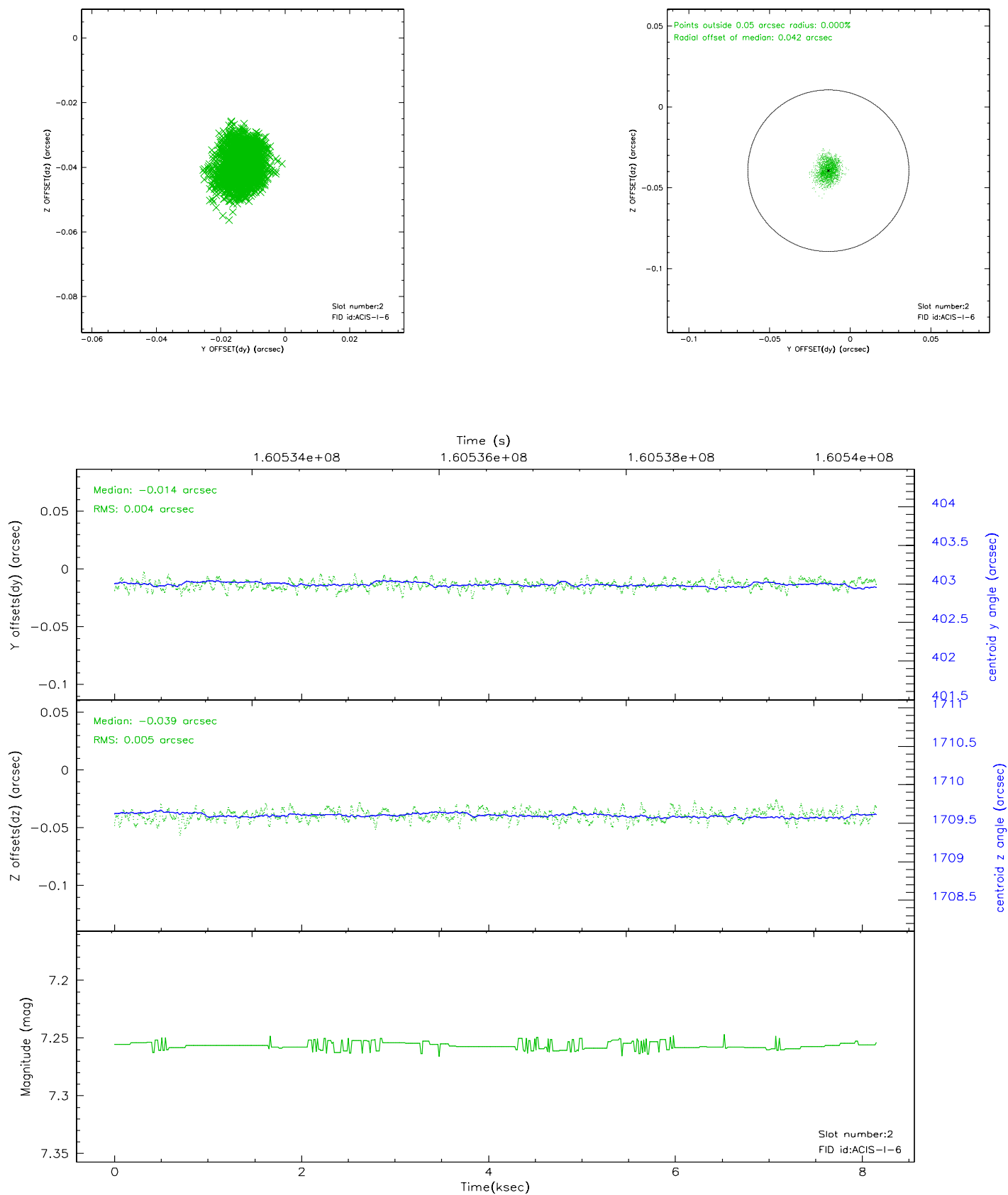
2.5.1 Slot 0



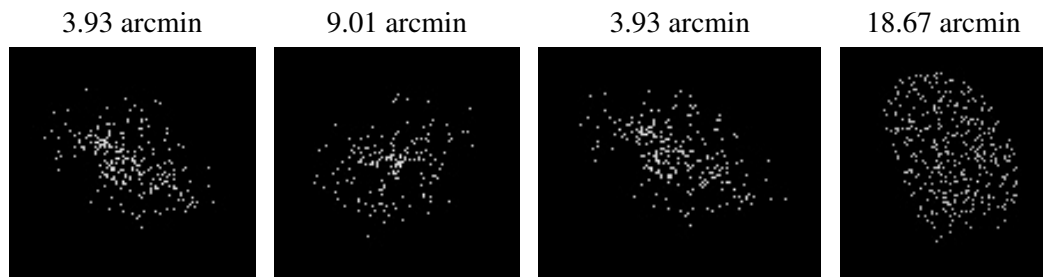
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.728

A.2 Comments

Window constraint met.