

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1660 - L2 Version 001
Chandra X-Ray Center

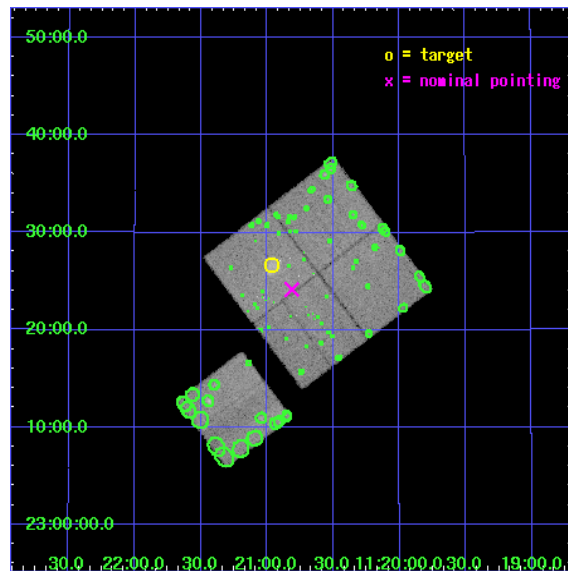
L2 Processing Date : Nov 14 2006

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

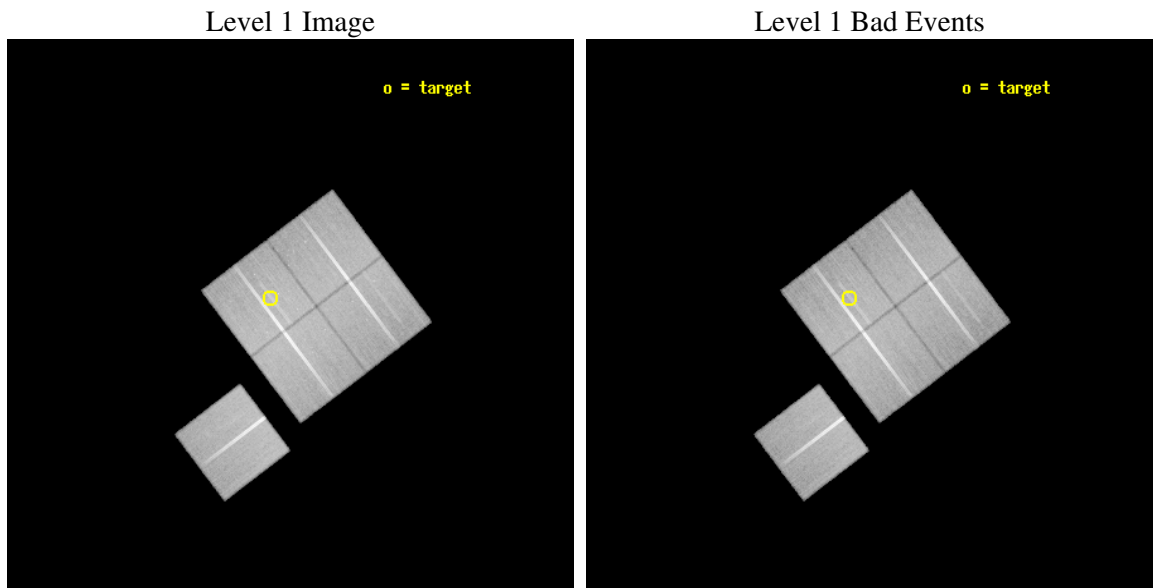
seq_num	800128
obs_id	1660
title	DETERMINATION OF H0 AND Q0, 2000 PART 1
observer	DR. LEON VANSPEYBROECK
object	V 1121+2327
dtcycle	0
cycle	P
ra_targ	170.240833
dec_targ	23.445
ra_nom	170.20319020995
dec_nom	23.402946790349
roll_nom	232.75966612896
revision	2
ontime	72192.635910541
livetime	71249.385974924
ontime0	72189.494900376
ontime1	72198.91791077
ontime2	72189.494970202
ontime3	72192.635910541
ontime6	72186.354049817
l2events	234769



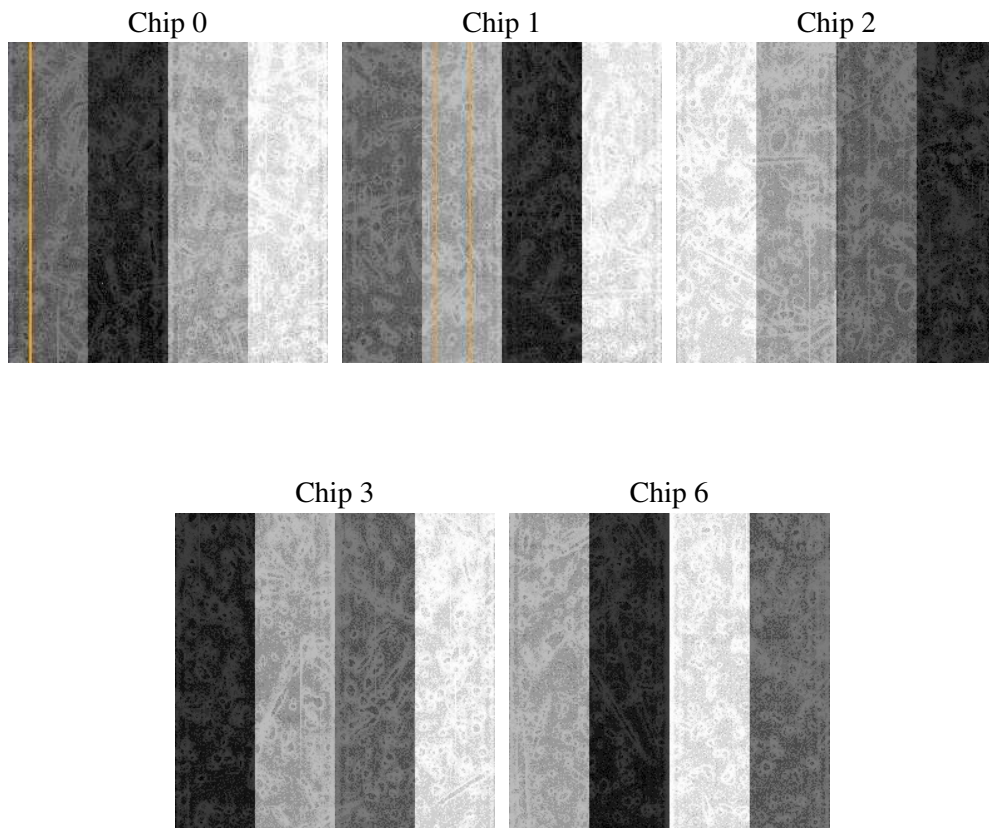
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-14T20:52:29
revision	2

sched_exp_time	72100.000000
ontime	72199.060942158
ontime0	72195.919931993
ontime1	72205.342942387
ontime2	72195.92000182
ontime3	72199.060942158
ontime6	72192.779081434
l1events	2279188

2.1.4 Events

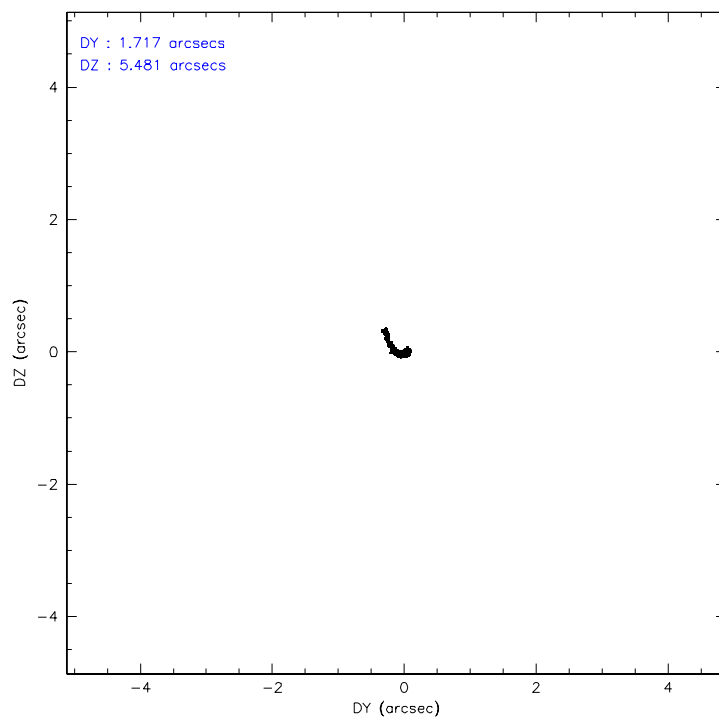
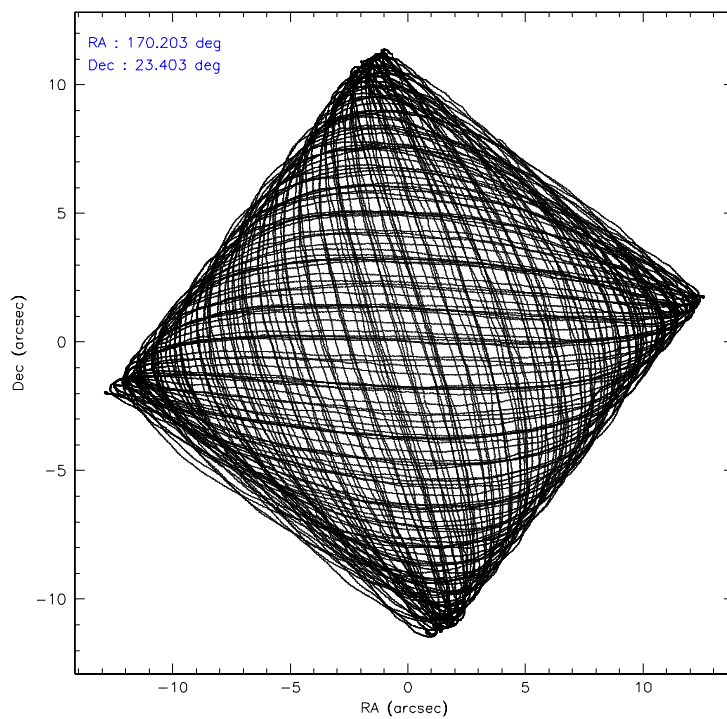
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	426644	434422	476850	477554	463718
rejected events	372377	377103	424210	421268	411018
rejected %	87%	86%	88%	88%	88%

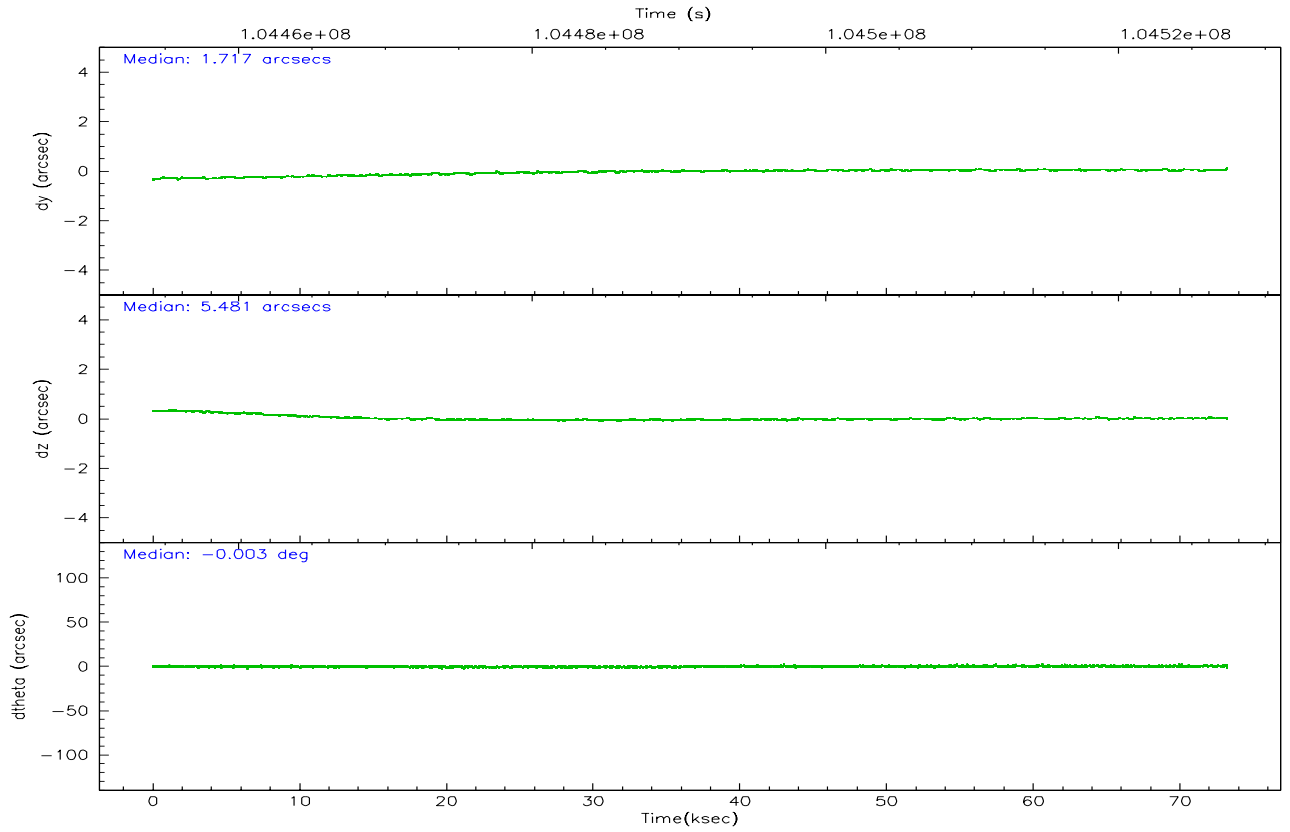
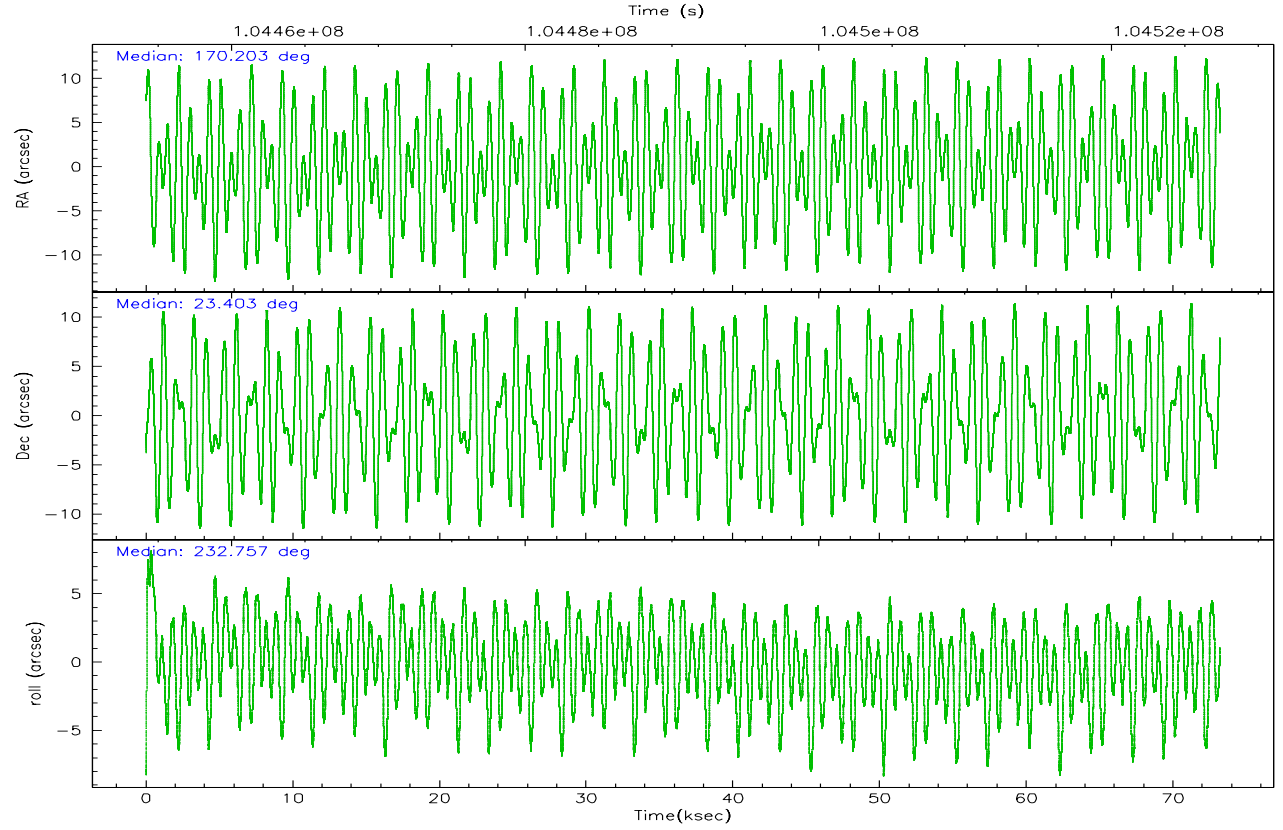
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	22611	23436	22271	25108	20860
	5%	5%	4%	5%	4%
grade 1 events	221	223	190	218	218
	0%	0%	0%	0%	0%
grade 2 events	11473	11550	11095	10964	10711
	2%	2%	2%	2%	2%
grade 3 events	5542	5712	5011	5203	5356
	1%	1%	1%	1%	1%
grade 4 events	5022	5769	4830	5344	5212
	1%	1%	1%	1%	1%
grade 5 events	16575	17791	16084	18184	18805
	3%	4%	3%	3%	4%
grade 6 events	9621	10852	9439	9670	10565
	2%	2%	1%	2%	2%
grade 7 events	355579	359089	407930	402863	391991
	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	170.206947	170.2031902099542	Subarray requested	NONE	NONE
Pointing Dec	23.430177	23.40294679034864	Alternating exposures requested	N	N
Pointing Roll	232.549494	232.7596661289594	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)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	104455289.184000	104453866.85287			
Observation start date	2001-04-23T23:20:25	2001-04-23T22:57:46			
Observation end time	104527389.184000	104527996.39324			
Observation end date	2001-04-24T19:22:05	2001-04-24T19:33:16			
Read mode	TIMED	TIMED			

2.3 Aspect



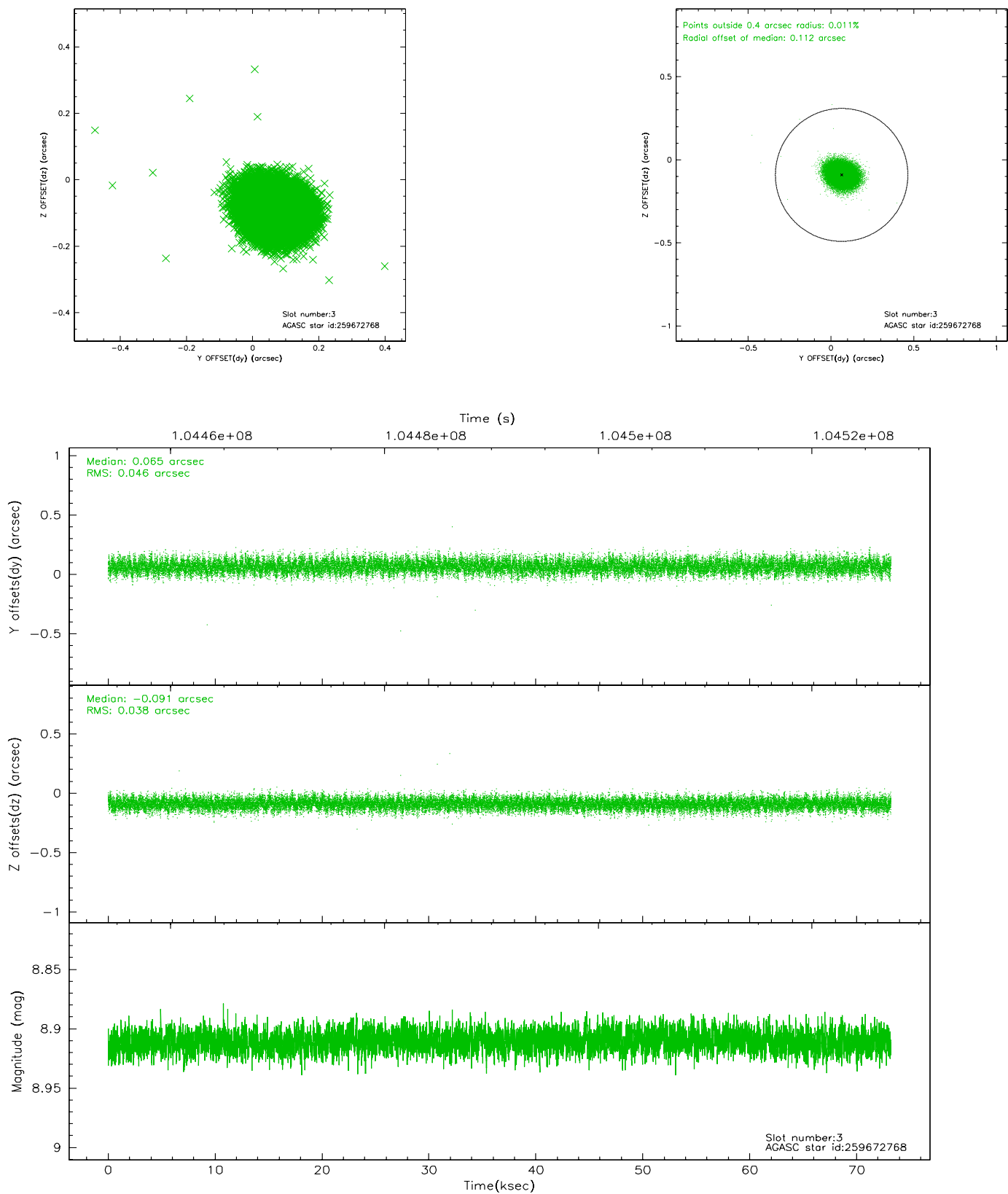


Slot Statistics

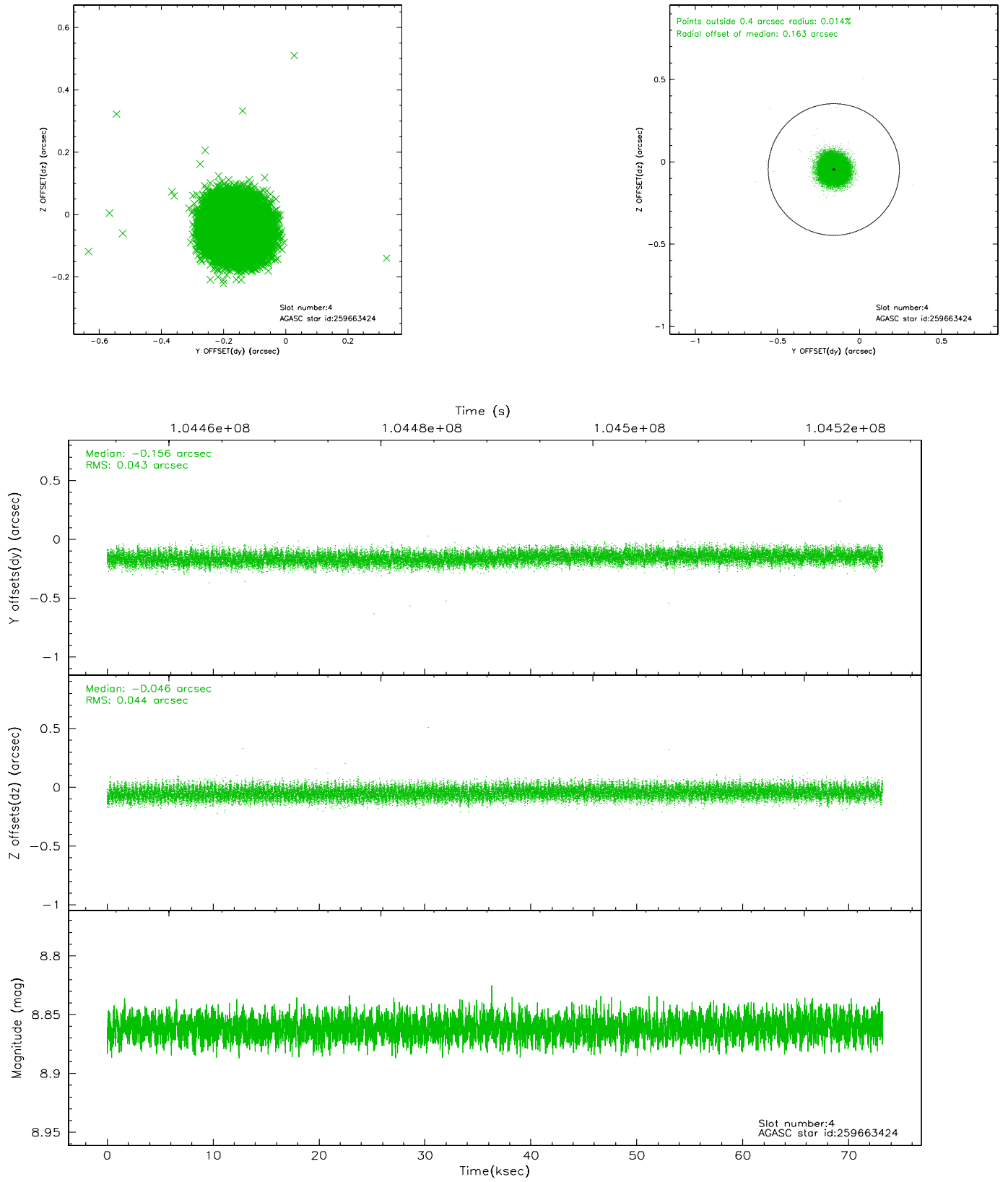
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.17	17851	-0.033	-0.027	0.012	0.020	0.000000	0.000000	-756.58	-993.31
1	FID	ACIS-I-4	7.15	17852	-0.078	0.035	0.015	0.022	0.000000	0.000000	2157.40	912.93
2	FID	ACIS-I-5	7.22	17853	0.010	0.060	0.013	0.020	0.000000	0.000000	-1810.06	909.70
3	GUIDE	259672768	8.91	35696	0.065	-0.091	0.063	0.103	169.971255	23.035236	1602.58	244.62
4	GUIDE	259663424	8.86	35701	-0.156	-0.046	0.065	0.104	170.243291	23.834131	-1227.87	-789.04
5	GUIDE	259661672	8.88	35696	0.005	-0.032	0.065	0.107	170.152407	23.614356	-417.44	-545.65
6	GUIDE	259669152	9.18	35689	0.064	0.085	0.075	0.124	170.005760	22.858354	2039.23	722.20
7	GUIDE	259669904	9.18	35692	0.022	0.084	0.089	0.141	170.457578	22.685196	1621.84	2291.87

2.4 Star Slots

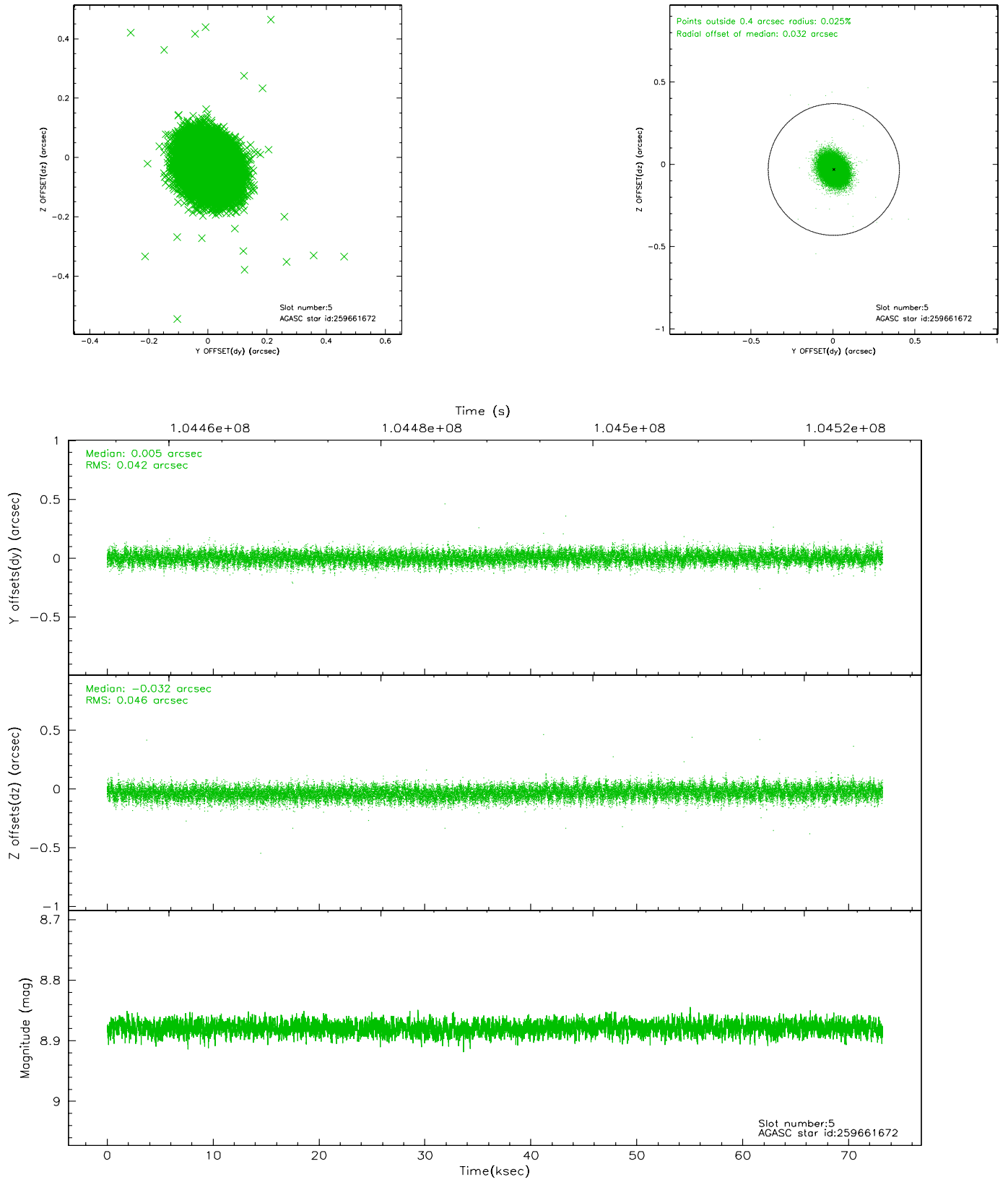
2.4.1 Slot 3



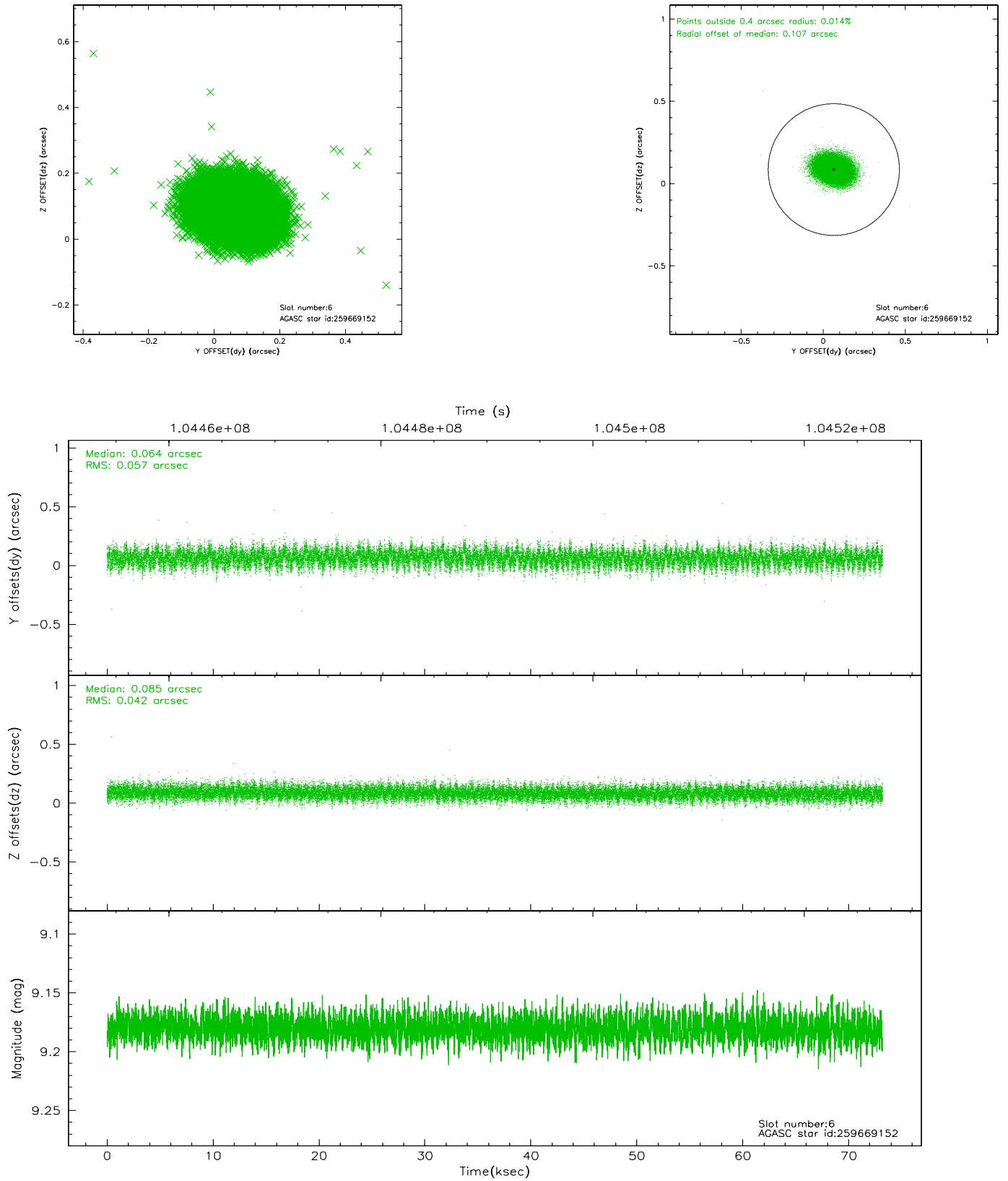
2.4.2 Slot 4



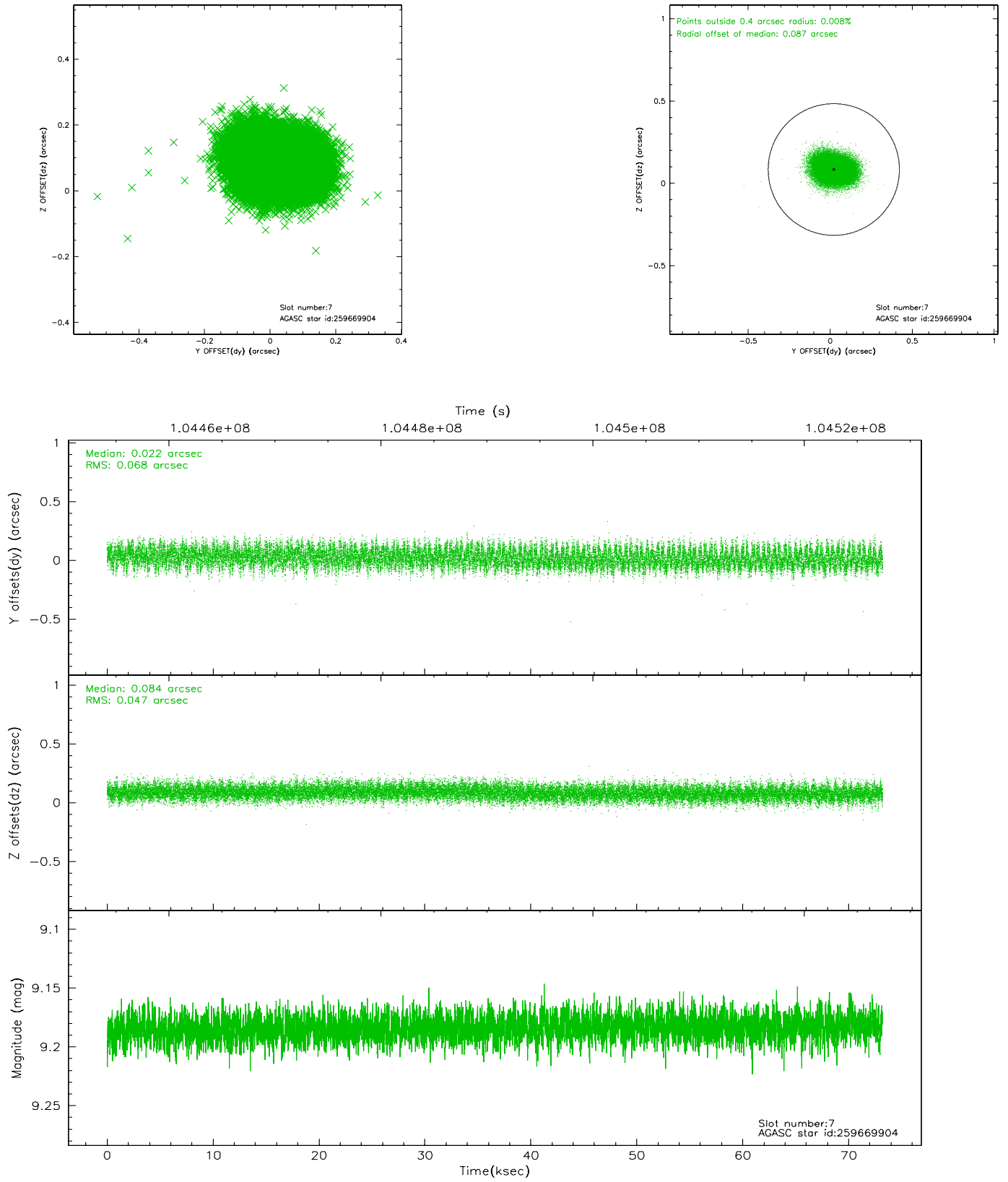
2.4.3 Slot 5



2.4.4 Slot 6

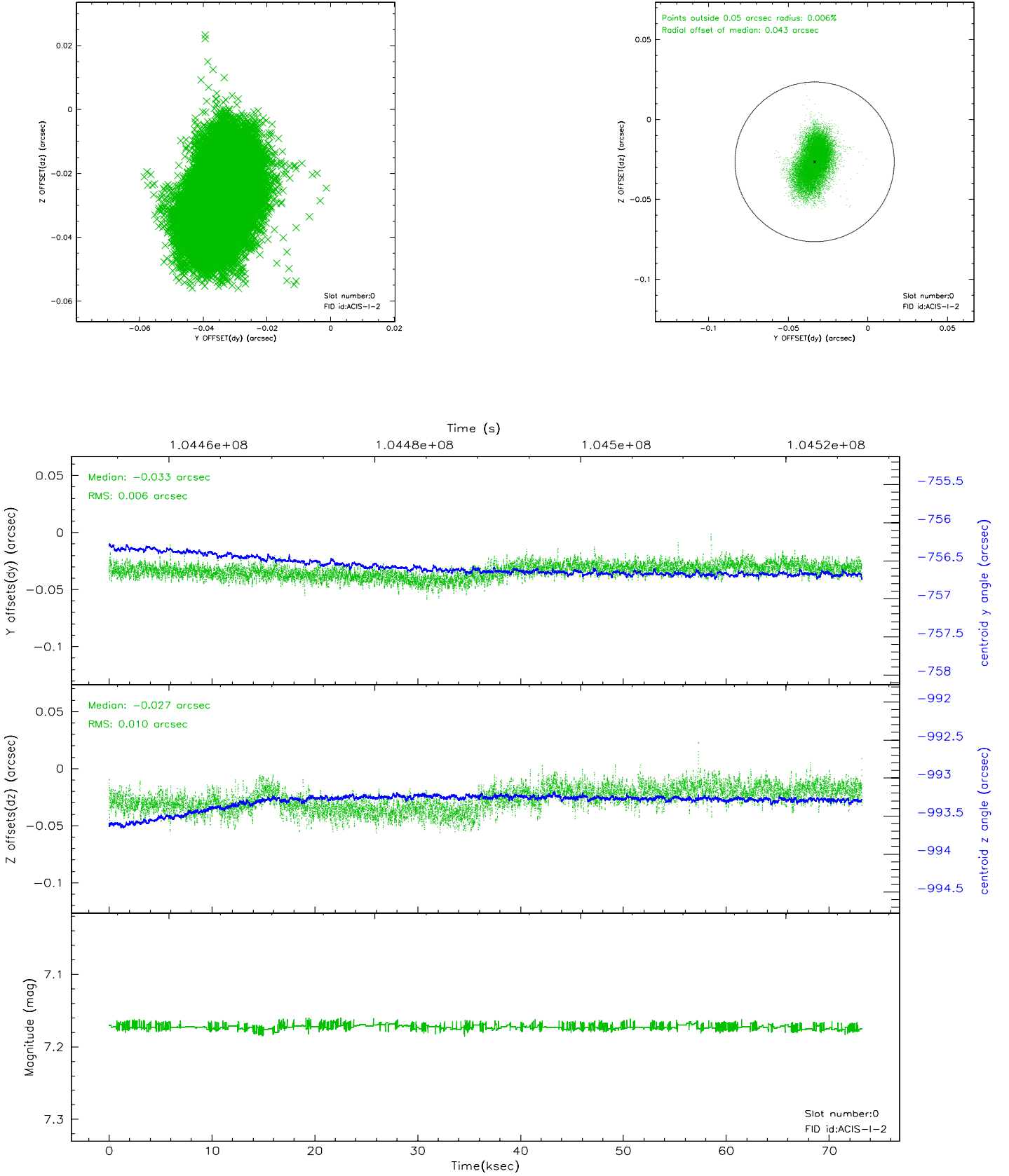


2.4.5 Slot 7

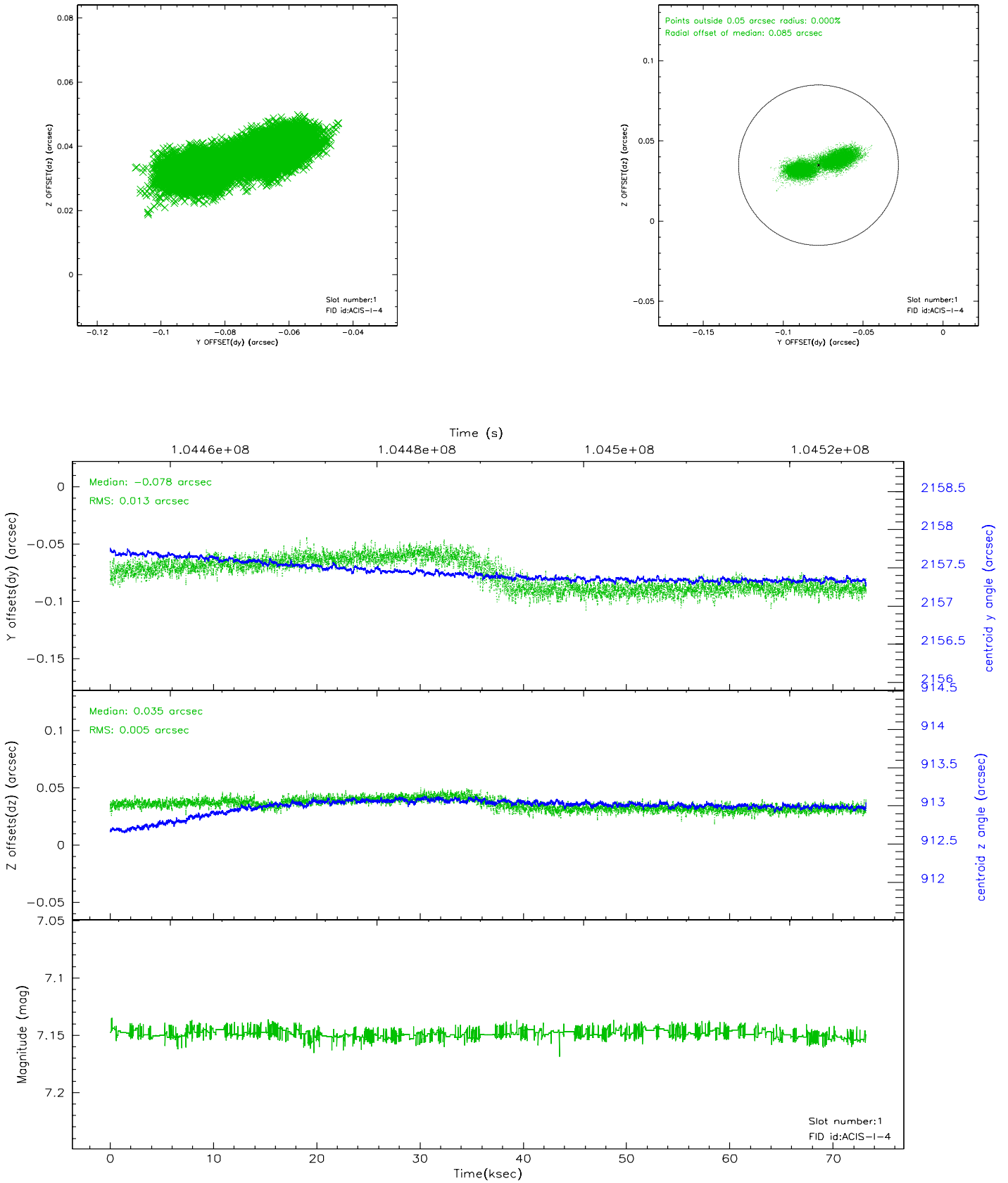


2.5 FID Slots

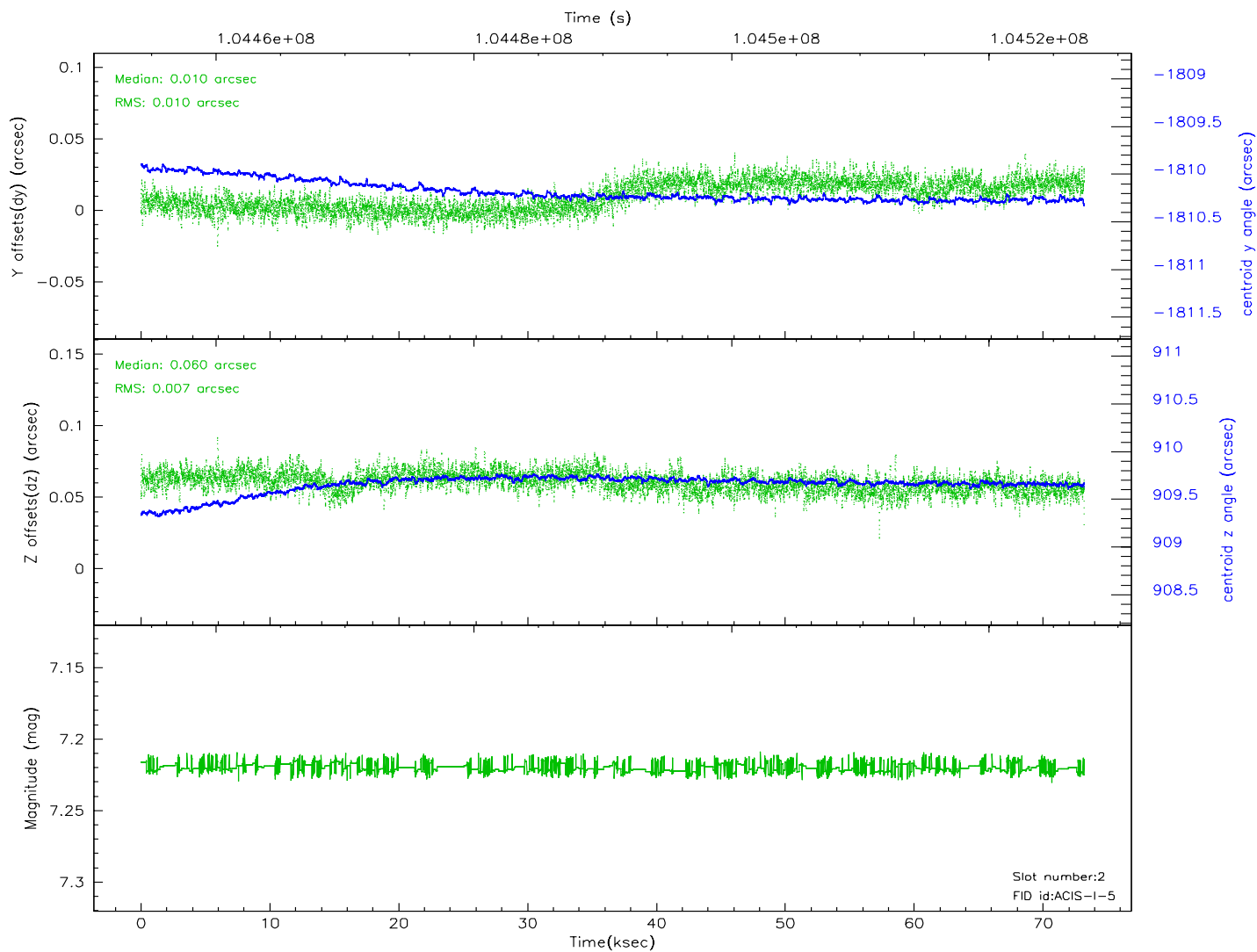
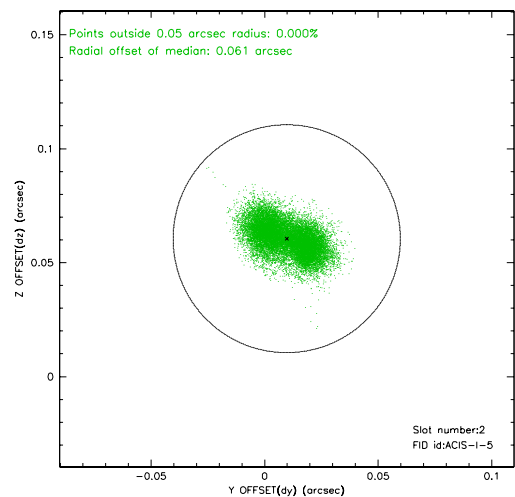
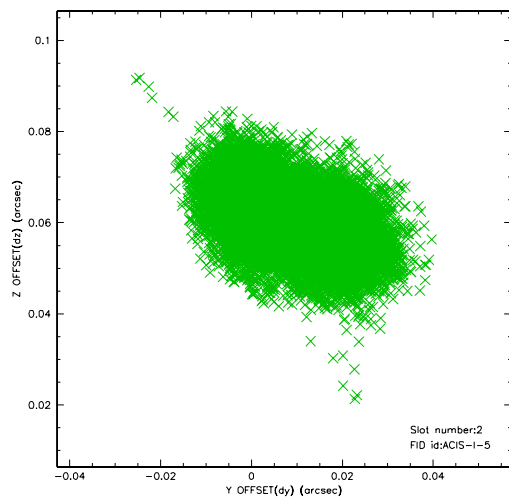
2.5.1 Slot 0



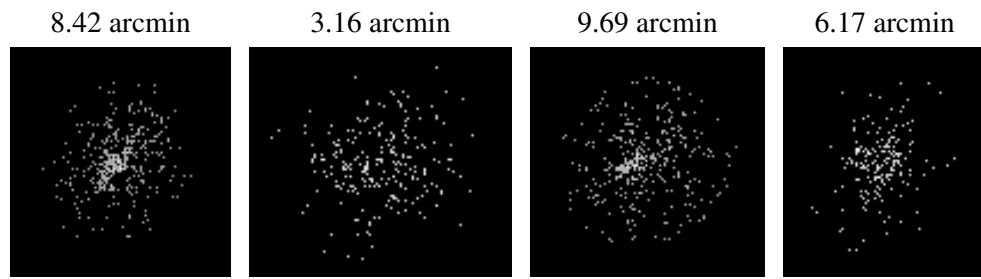
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	72.195

A.2 Comments