

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3273 - L2 Version 001
Chandra X-Ray Center

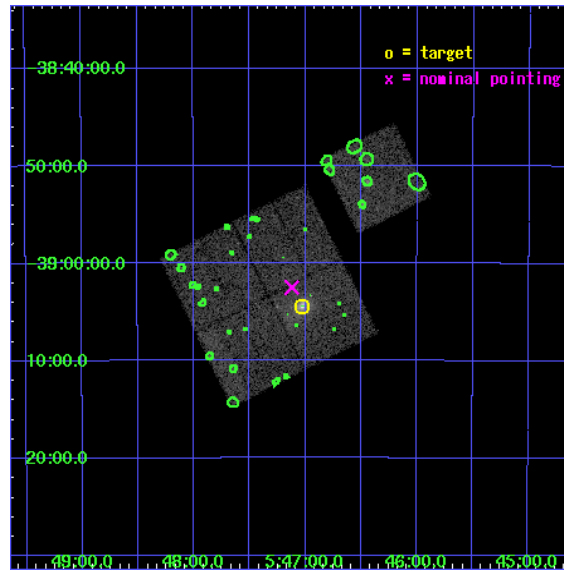
L2 Processing Date : Oct 7 2006

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

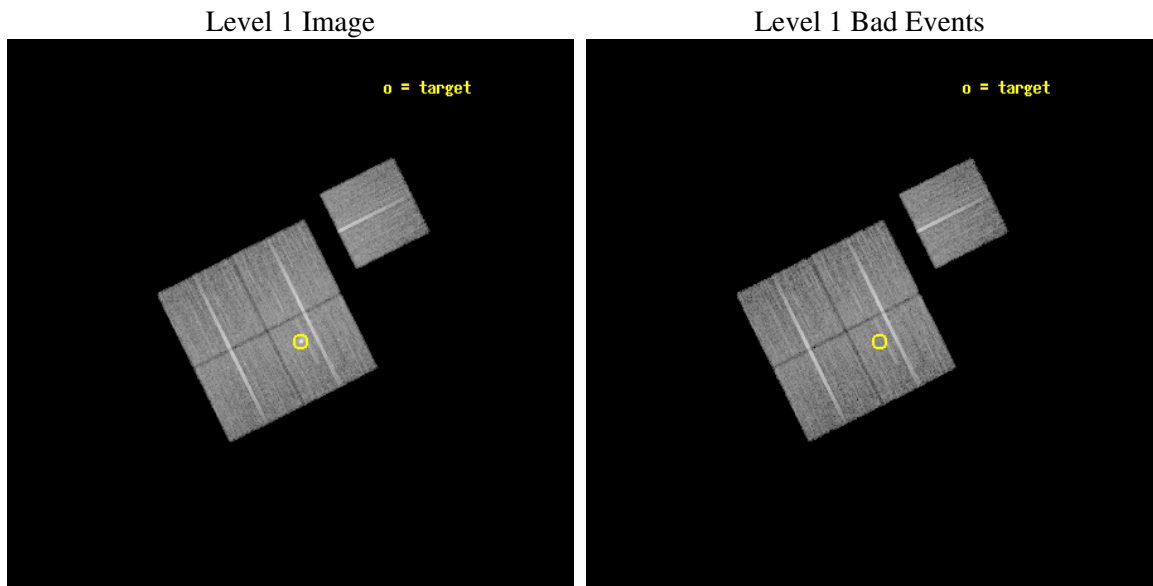
seq_num	800273
obs_id	3273
title	MACS: THE X-RAY PROPERTIES OF THE MOST MASSIVE GALAXY CLUSTERS AT $Z>0.3$
observer	Dr Harald Ebeling
object	MACSJ0547.0-3904
dtcycle	0
cycle	P
ra_targ	86.75625
dec_targ	-39.074444
ra_nom	86.780096528051
dec_nom	-39.041645335893
roll_nom	63.526863108491
revision	2
ontime	22031.658997416
livetime	21743.799153144
ontime0	22034.799957633
ontime1	22034.799957633
ontime2	22028.517977327
ontime3	22031.658997416
ontime6	22031.658987403
l2events	55088



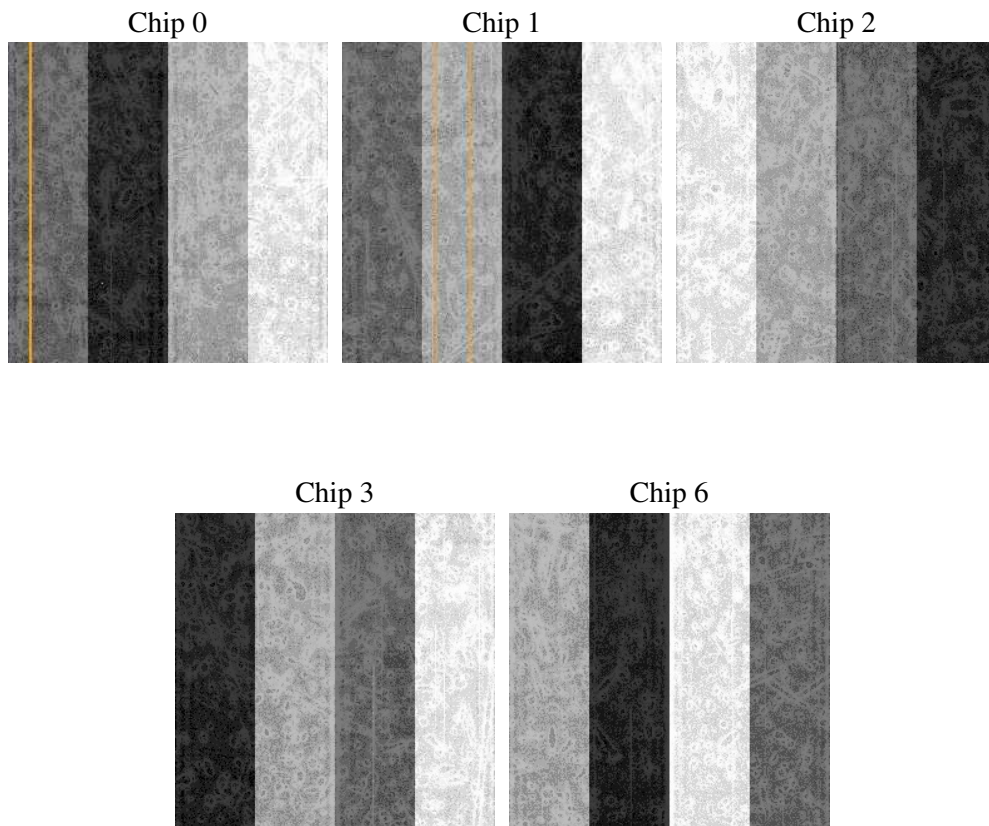
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-07T10:58:44
revision	2

sched_exp_time	22000.000000
ontime	22524.126763552
ontime0	22546.113634765
ontime1	22539.831704229
ontime2	22502.139902323
ontime3	22524.126763552
ontime6	22555.536655188
l1events	599216

2.1.4 Events

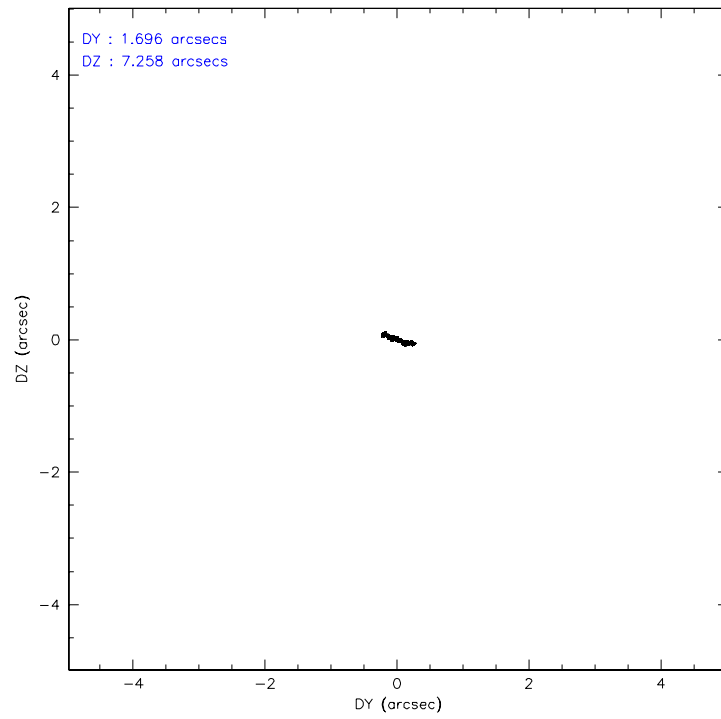
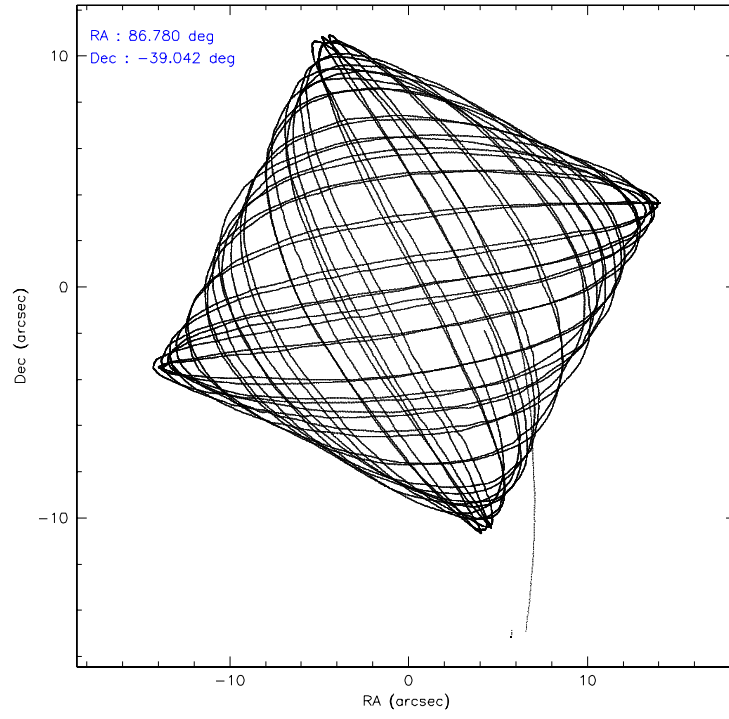
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	113355	112838	125391	128238	119394
rejected events	101557	99849	113843	111375	107240
rejected %	89%	88%	90%	86%	89%

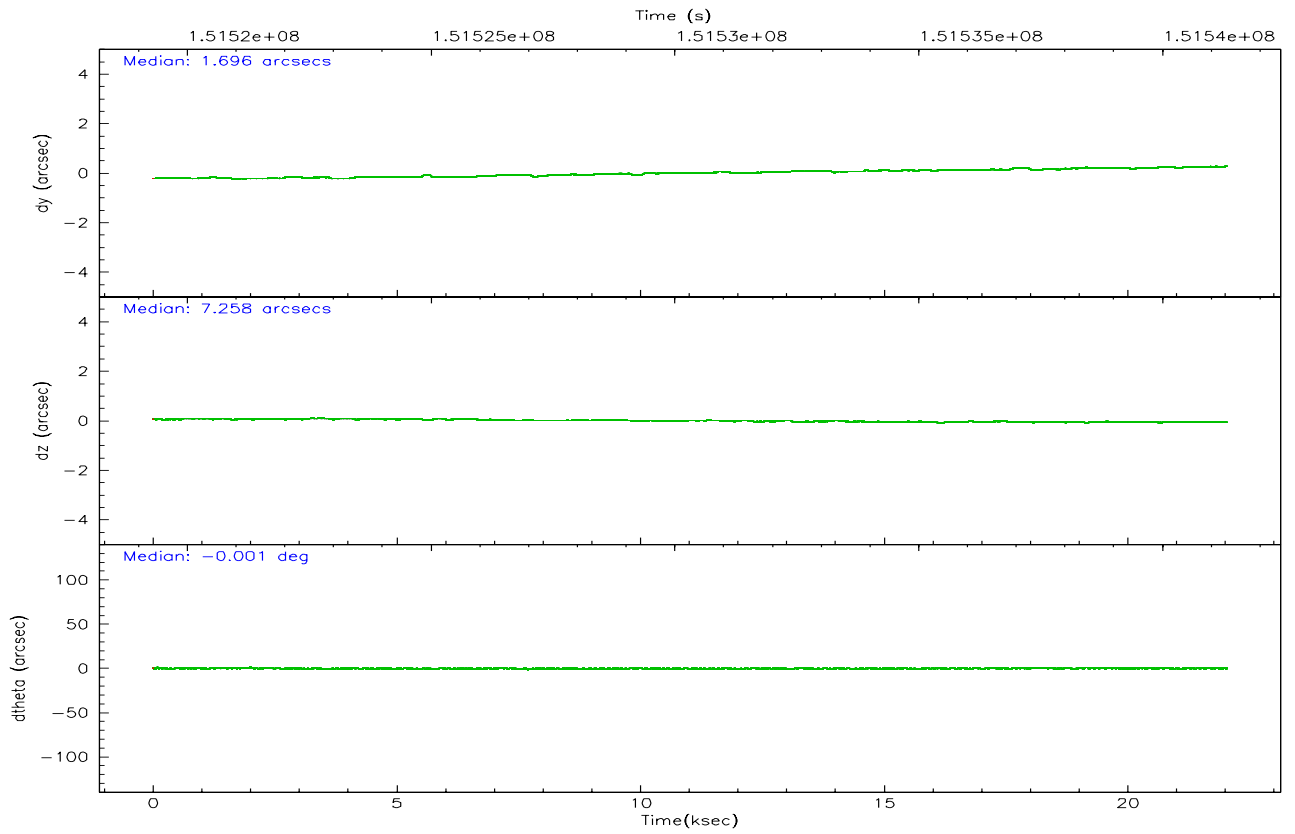
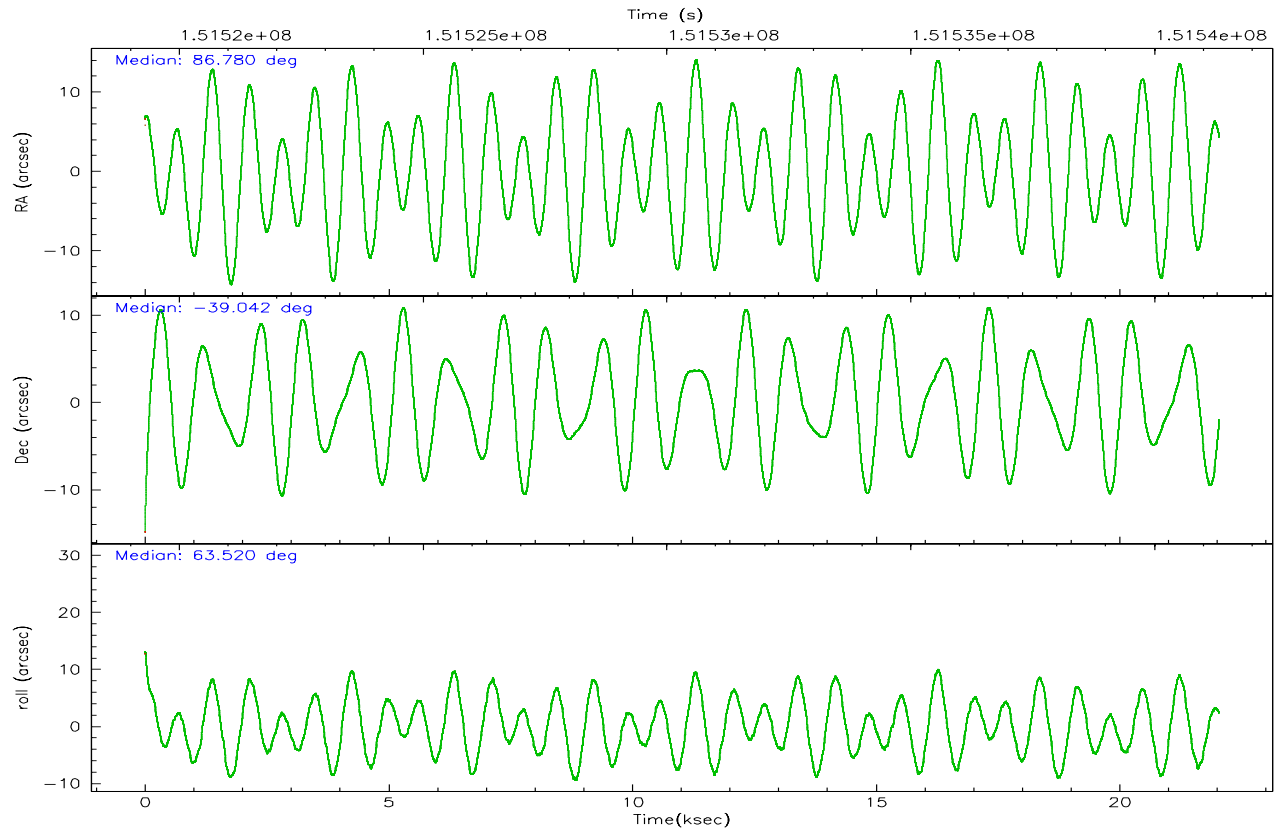
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7178	7680	6874	11784	6557
	6%	6%	5%	9%	5%
grade 1 events	77	73	92	100	60
	0%	0%	0%	0%	0%
grade 2 events	3541	3621	3374	3581	3210
	3%	3%	2%	2%	2%
grade 3 events	1710	1774	1627	1716	1575
	1%	1%	1%	1%	1%
grade 4 events	1663	1833	1620	1717	1576
	1%	1%	1%	1%	1%
grade 5 events	3954	4185	3759	4418	4449
	3%	3%	2%	3%	3%
grade 6 events	2860	3197	2691	2744	3145
	2%	2%	2%	2%	2%
grade 7 events	92372	90475	105354	102178	98822
	81%	80%	84%	79%	82%

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	86.782382	86.78009652805071	Subarray requested	NONE	NONE
Pointing Dec	-39.068965	-39.04164533589265	Alternating exposures requested	N	N
Pointing Roll	63.319612	63.52686310849136	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)	-227.742463	-227.734108438797			
SIM translation stage offset (mm)	-5.85	-5.858344564132665			
Observation start time	151519334.184000	151518180.79449			
Observation start date	2002-10-20T16:41:10	2002-10-20T16:23:00			
Observation end time	151541334.184000	151542413.333			
Observation end date	2002-10-20T22:47:50	2002-10-20T23:06:53			
Read mode	TIMED	TIMED			

2.3 Aspect



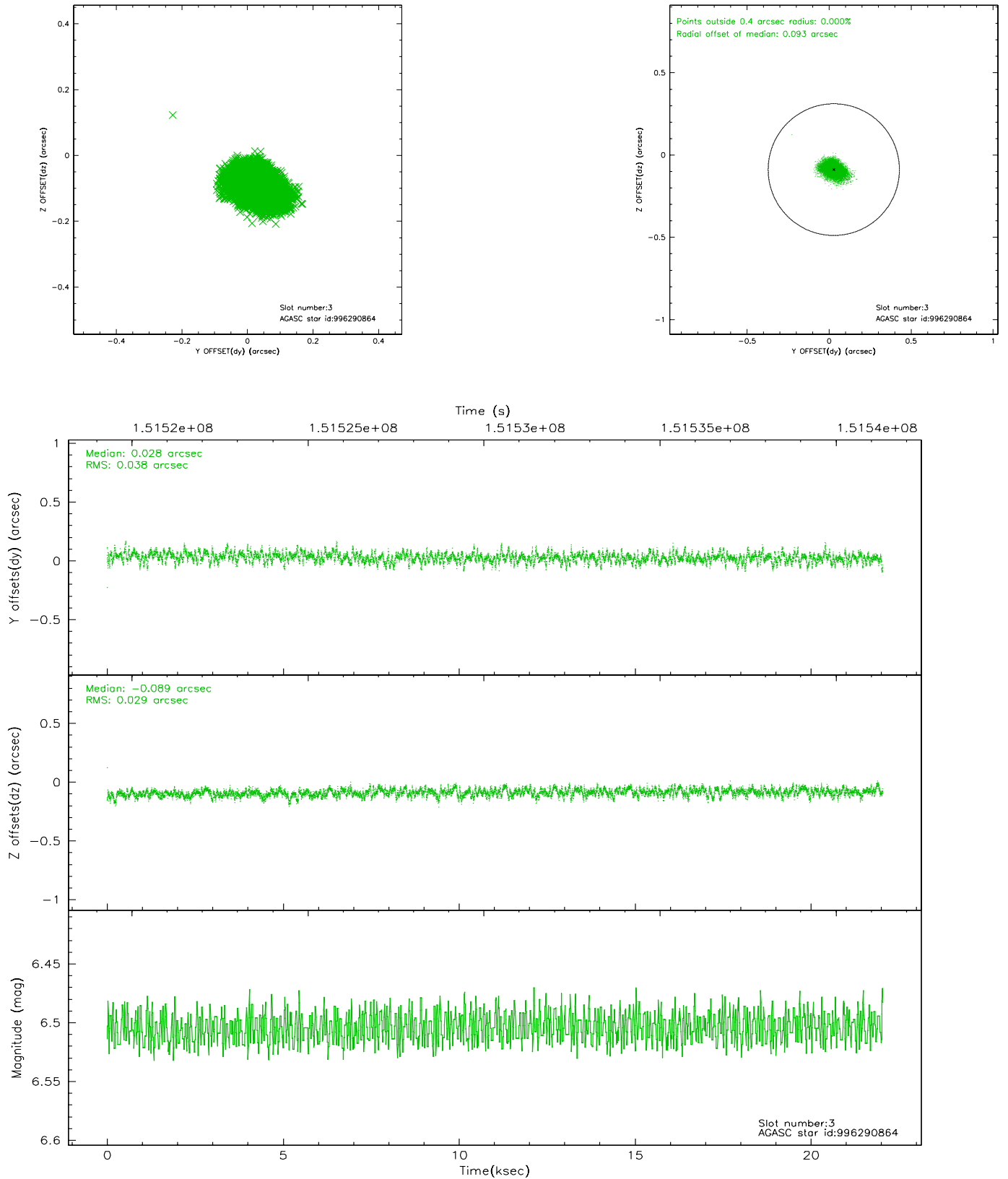


Slot Statistics

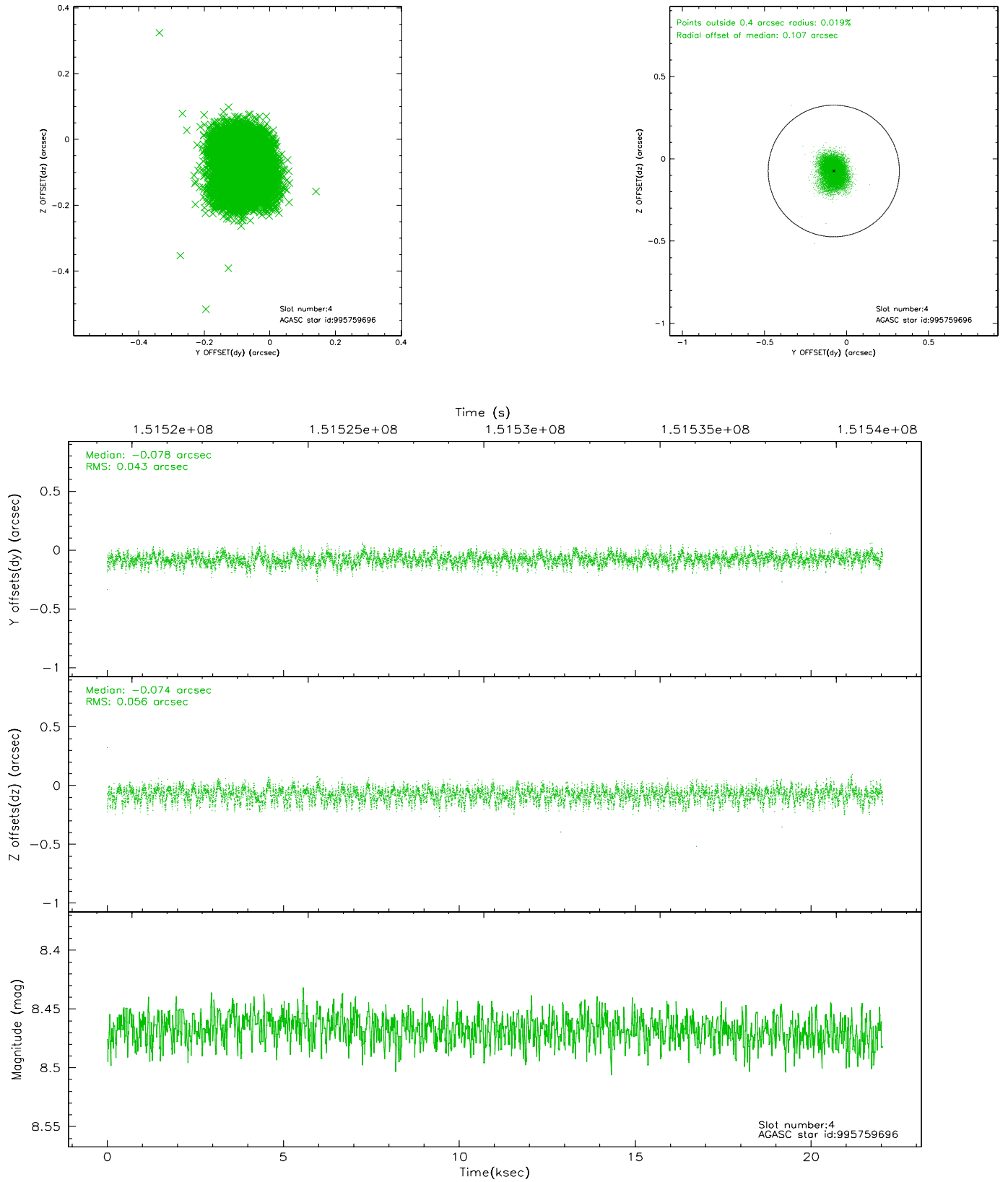
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	5377	0.024	0.036	0.008	0.013	0.000000	0.000000	938.03	-950.88
1	FID	ACIS-I-5	7.23	5377	-0.108	0.067	0.007	0.011	0.000000	0.000000	-1810.10	946.58
2	FID	ACIS-I-6	7.25	5377	-0.007	-0.032	0.008	0.013	0.000000	0.000000	403.41	1591.13
3	GUIDE	996290864	6.50	10753	0.028	-0.089	0.050	0.084	85.875770	-39.406909	-2230.94	1701.02
4	GUIDE	995759696	8.47	10750	-0.078	-0.074	0.075	0.121	86.325358	-38.689263	641.30	1760.07
5	GUIDE	995762848	8.47	10752	0.110	0.005	0.058	0.093	87.165773	-39.278163	-195.02	-1293.56
6	GUIDE	996281240	8.84	10746	-0.132	0.055	0.076	0.121	87.153377	-39.932007	-2318.02	-2311.46
7	GUIDE	996280200	9.63	10751	0.069	0.105	0.086	0.141	87.202848	-39.423858	-619.07	-1619.75

2.4 Star Slots

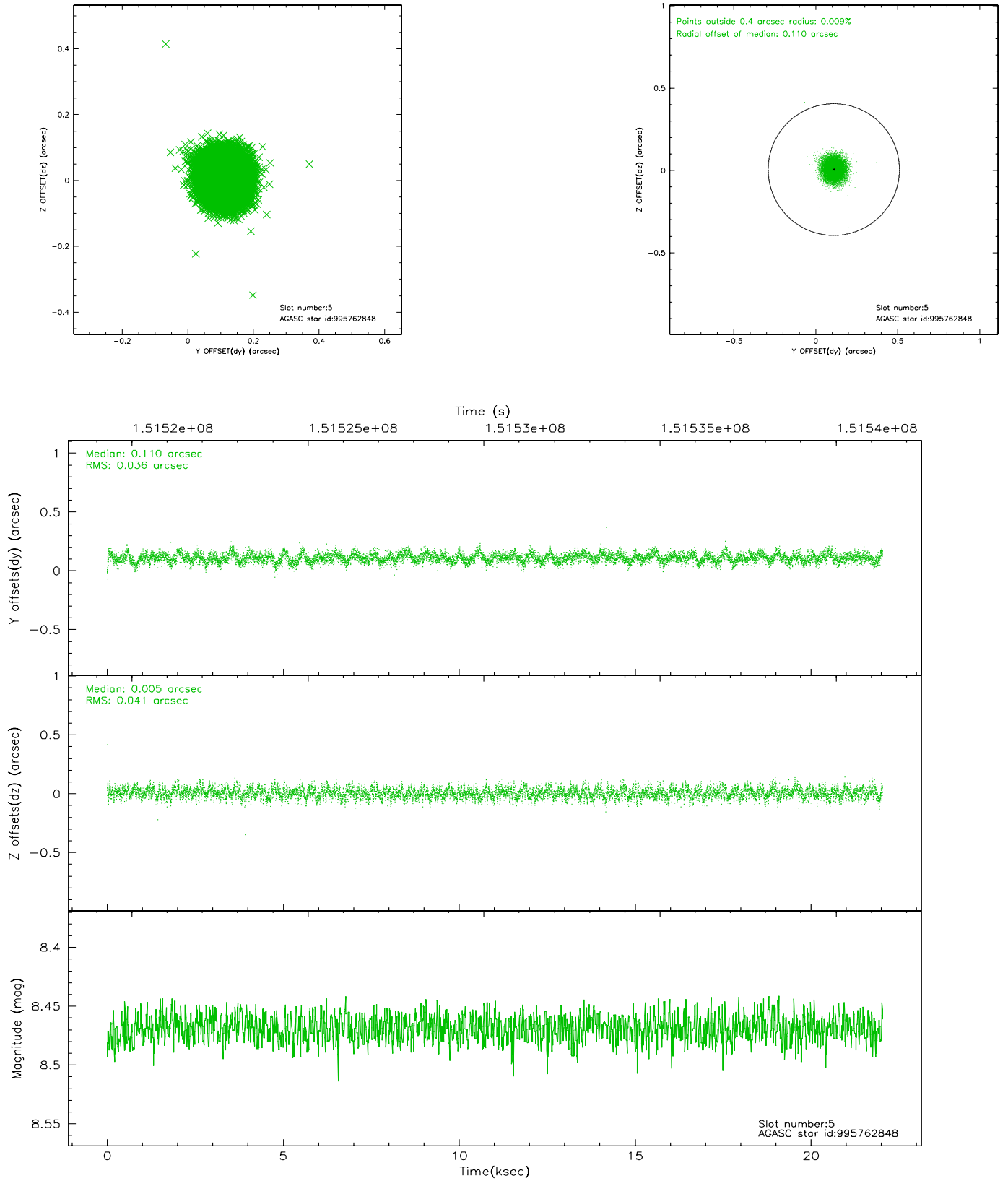
2.4.1 Slot 3



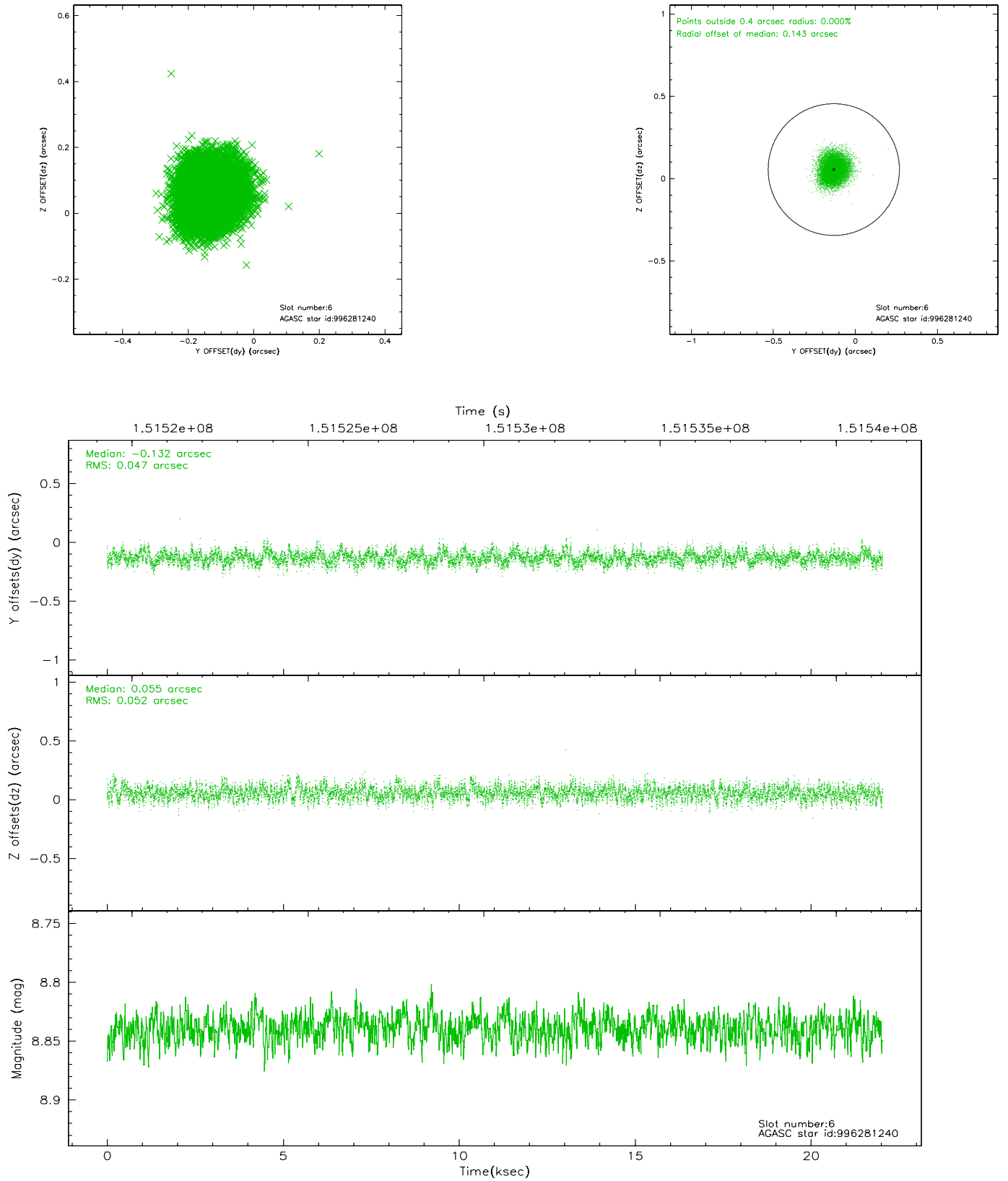
2.4.2 Slot 4



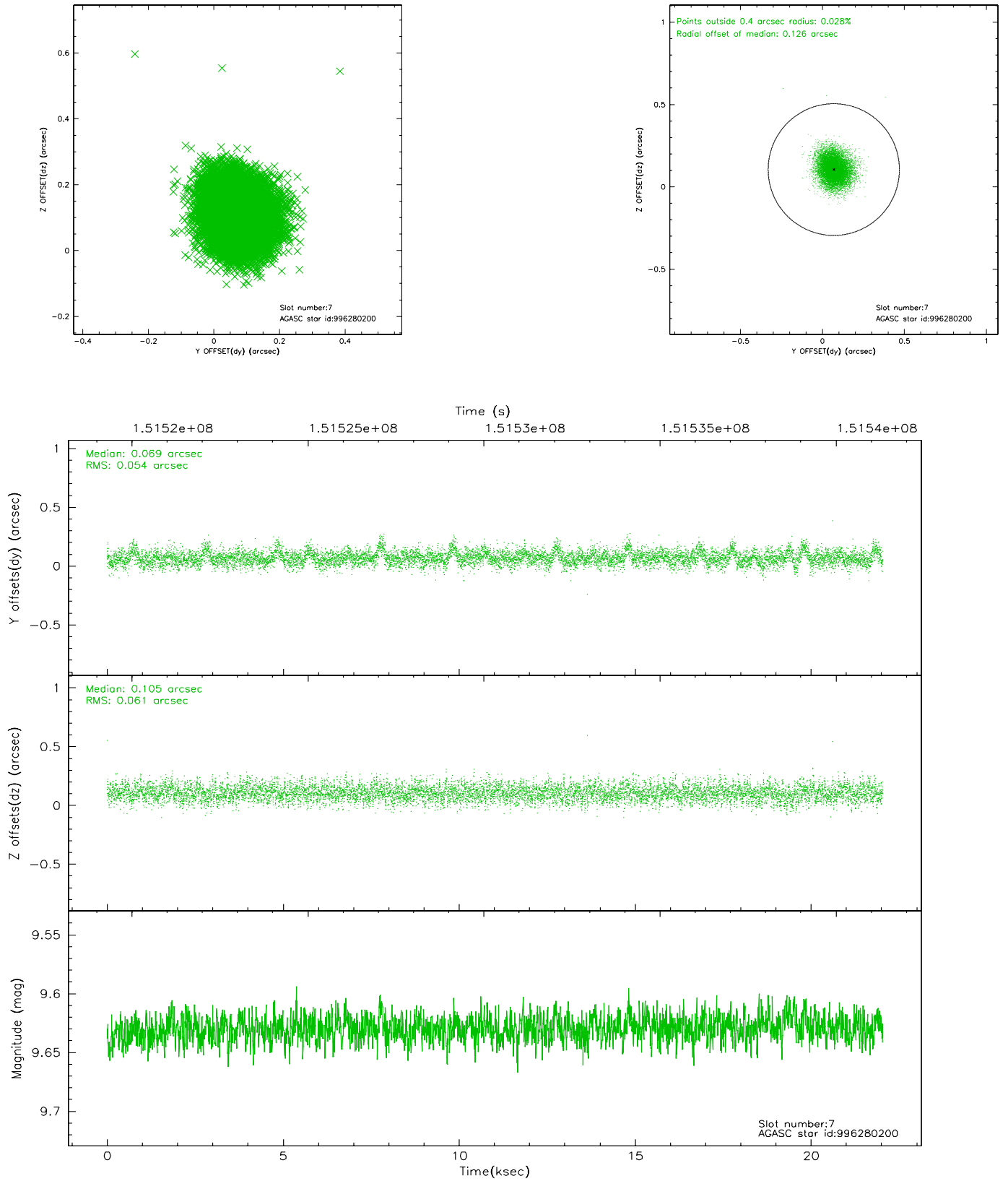
2.4.3 Slot 5



2.4.4 Slot 6

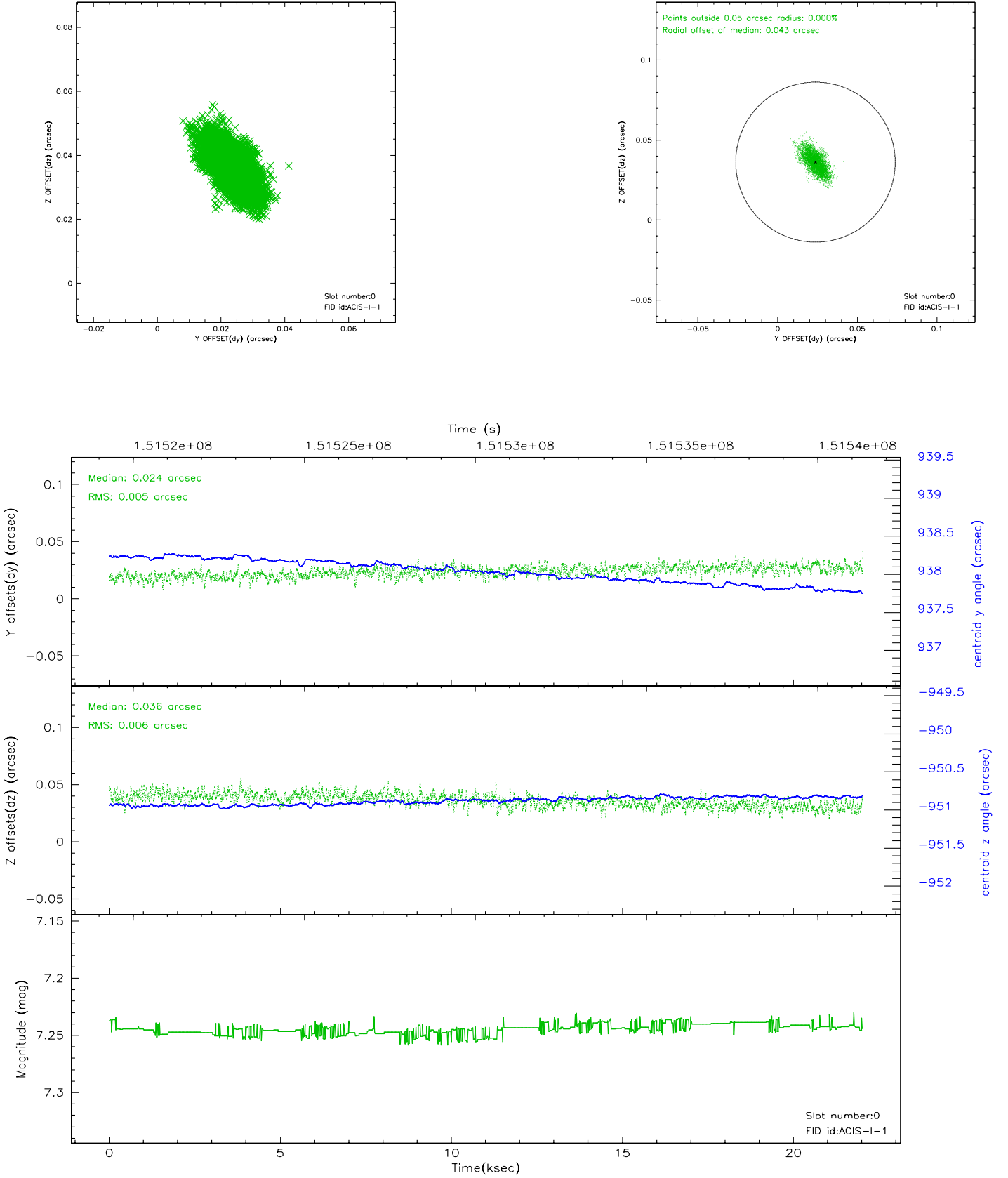


2.4.5 Slot 7

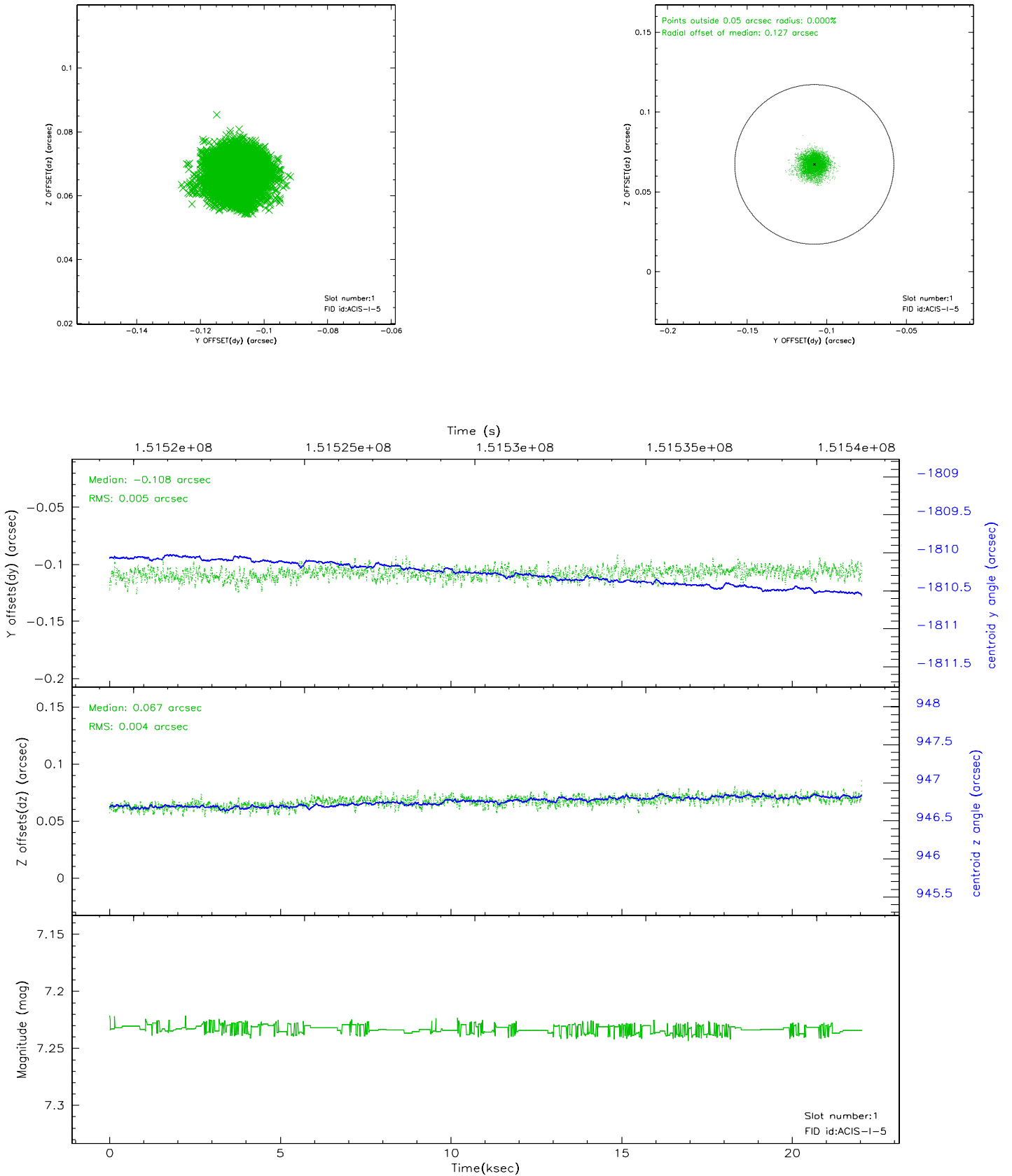


2.5 FID Slots

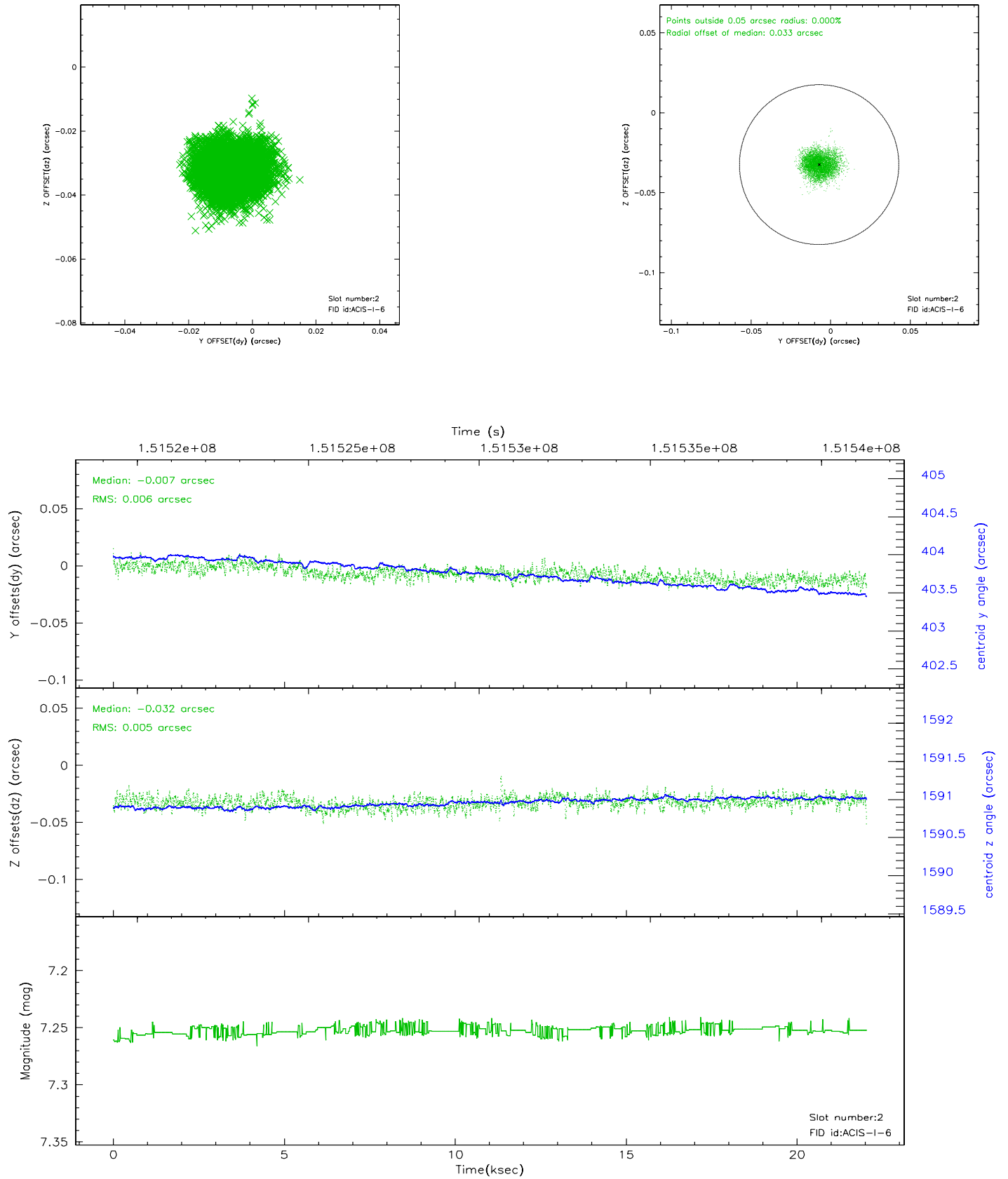
2.5.1 Slot 0



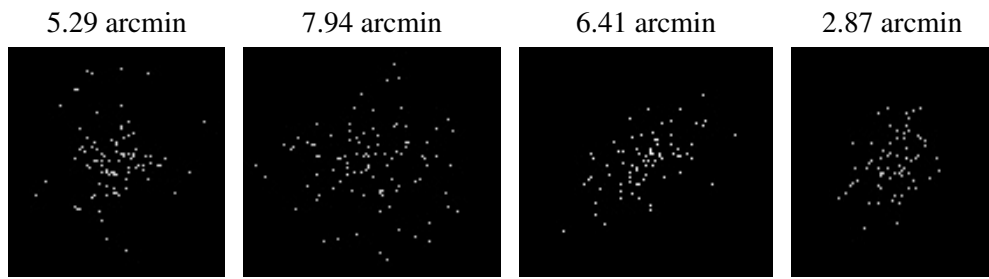
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	22.031

A.2 Comments