

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1656 - L2 Version 001
Chandra X-Ray Center

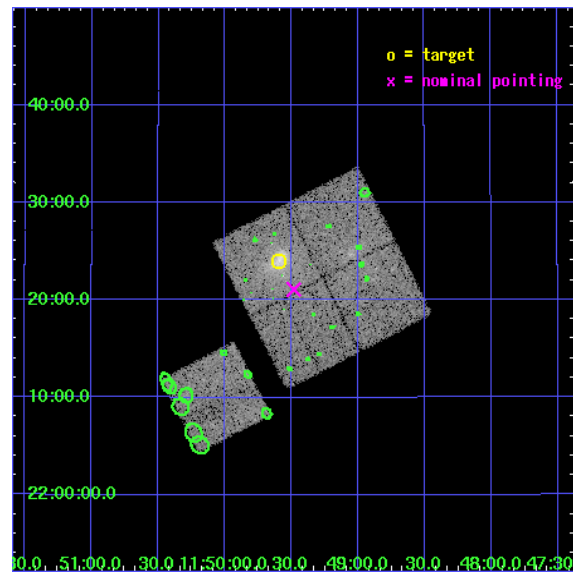
L2 Processing Date : Nov 25 2006

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1 Front

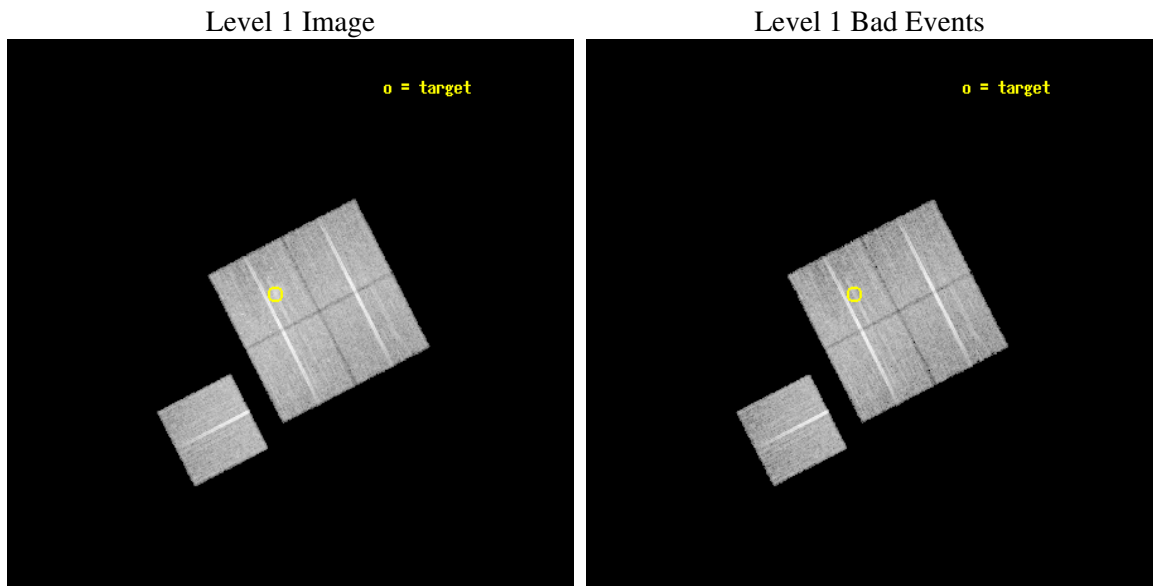
seq_num	800124
obs_id	1656
title	DETERMINATION OF H0 AND Q0, 2000 PART 2
observer	DR. LEON VANSPEYBROECK
object	MACS J1149.5+2223
dtcycle	0
cycle	P
ra_targ	177.399167
dec_targ	22.399
ra_nom	177.37035547495
dec_nom	22.351540306564
roll_nom	242.83378610794
revision	2
ontime	18770.459003672
livetime	18525.209138178
ontime0	18773.599963903
ontime1	18773.599963903
ontime2	18764.177063257
ontime3	18770.459003672
ontime6	18773.599963903
l2events	66834



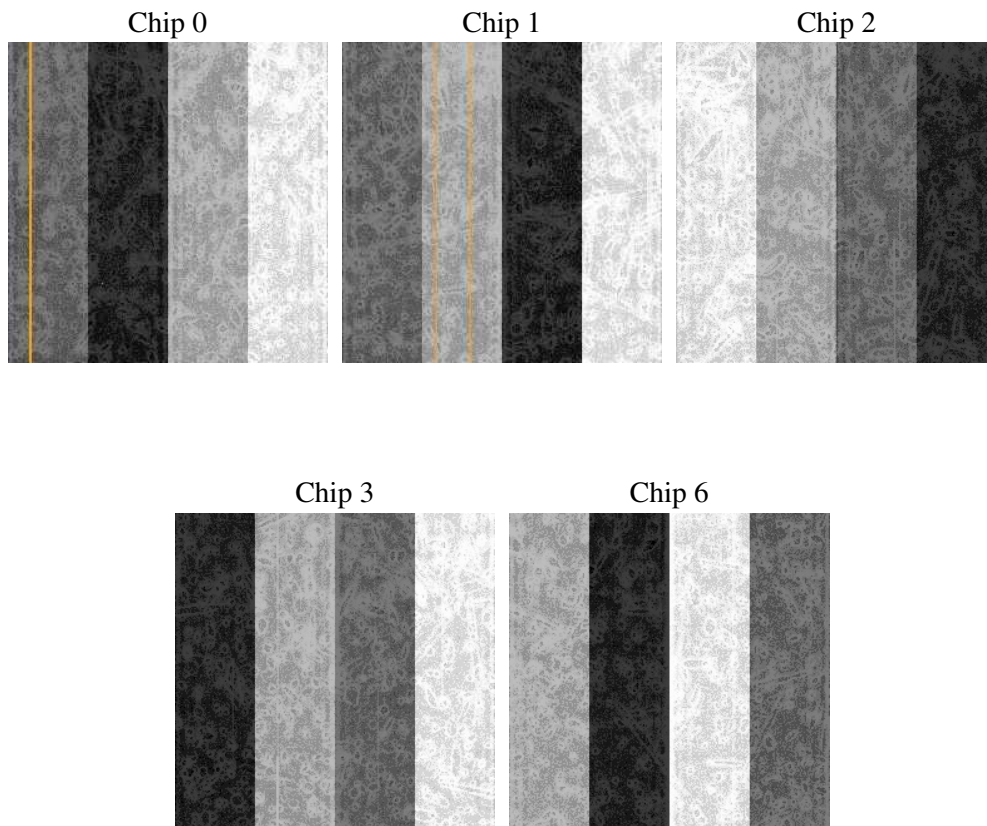
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-11-25T03:59:31
revision	2

sched_exp_time	19000.000000
ontime	18773.754971072
ontime0	18776.895951226
ontime1	18776.895931304
ontime2	18767.473030657
ontime3	18773.754971072
ontime6	18776.895951226
l1events	606773

2.1.4 Events

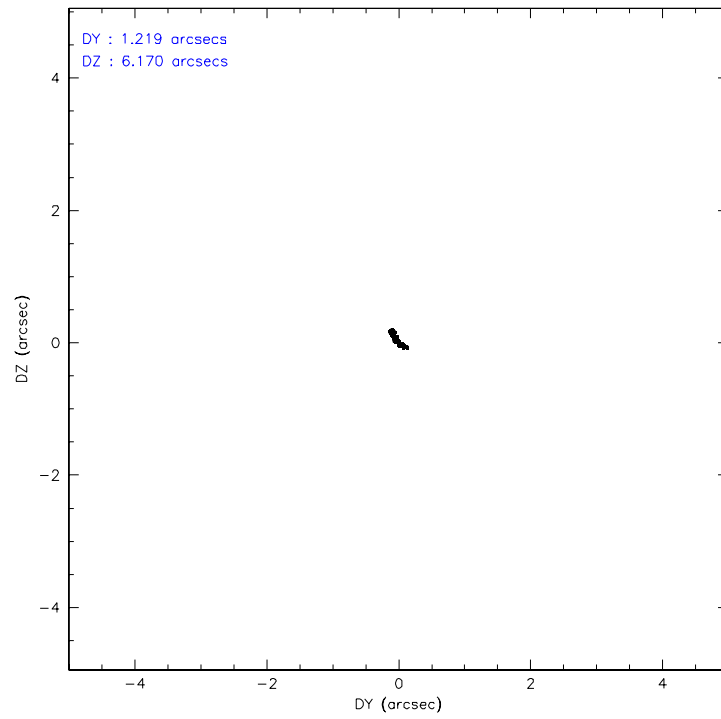
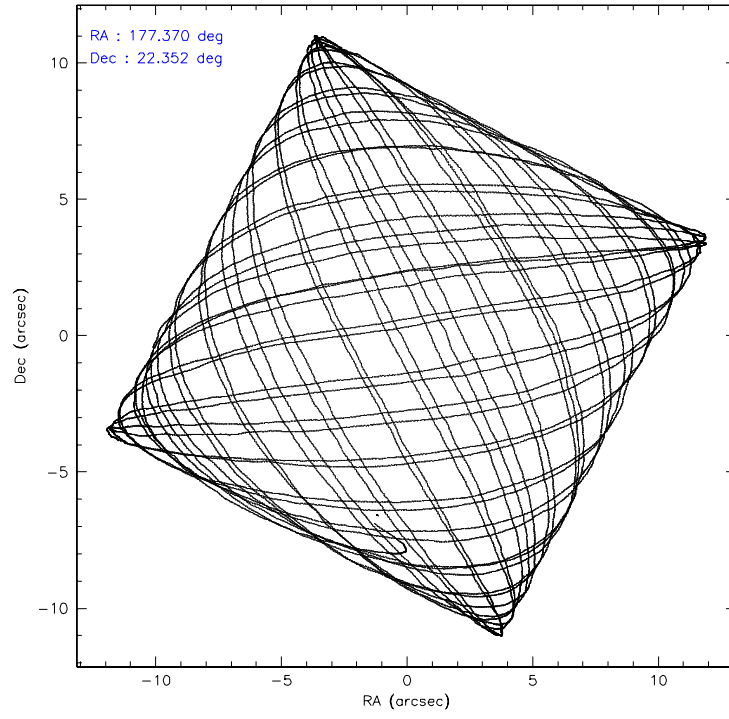
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	112604	115094	127897	129347	121831
rejected events	97941	99845	113875	109920	107835
rejected %	86%	86%	89%	84%	88%

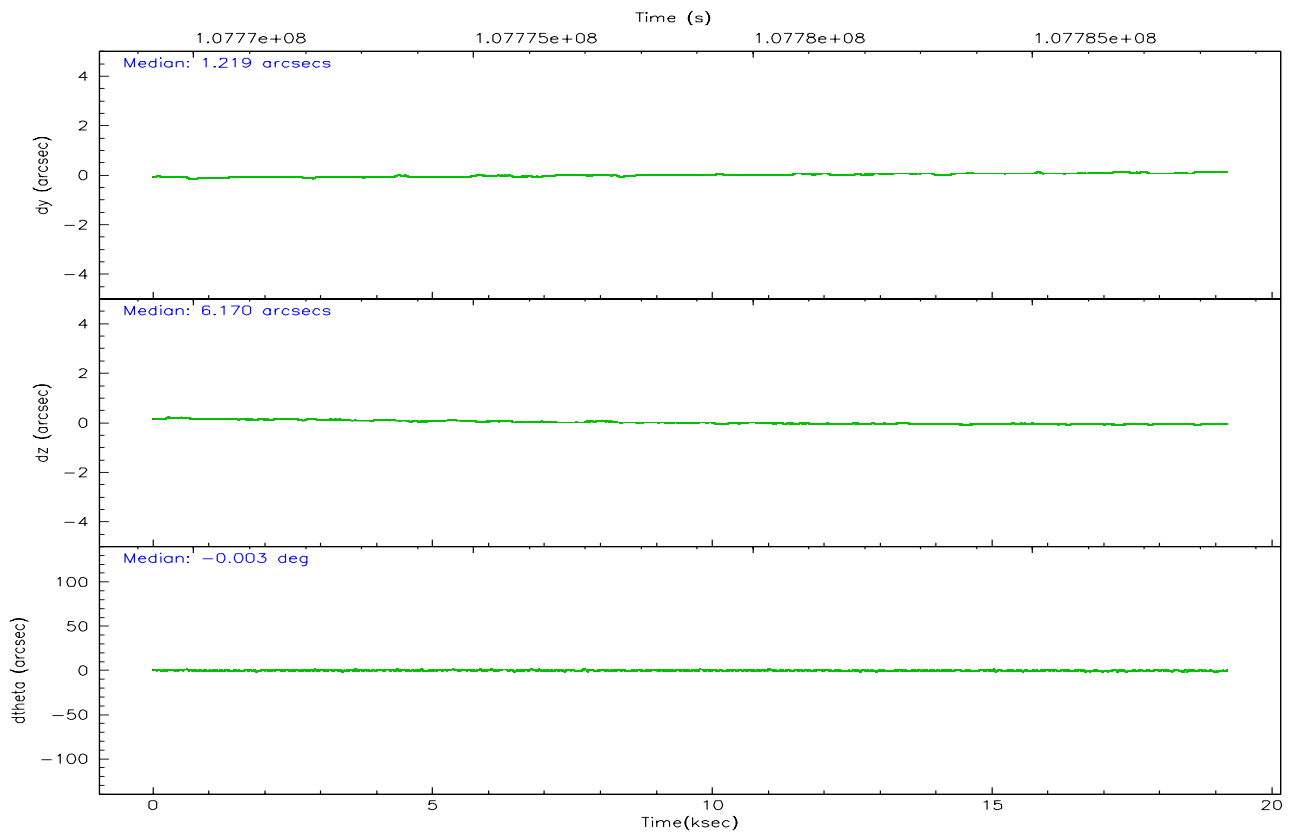
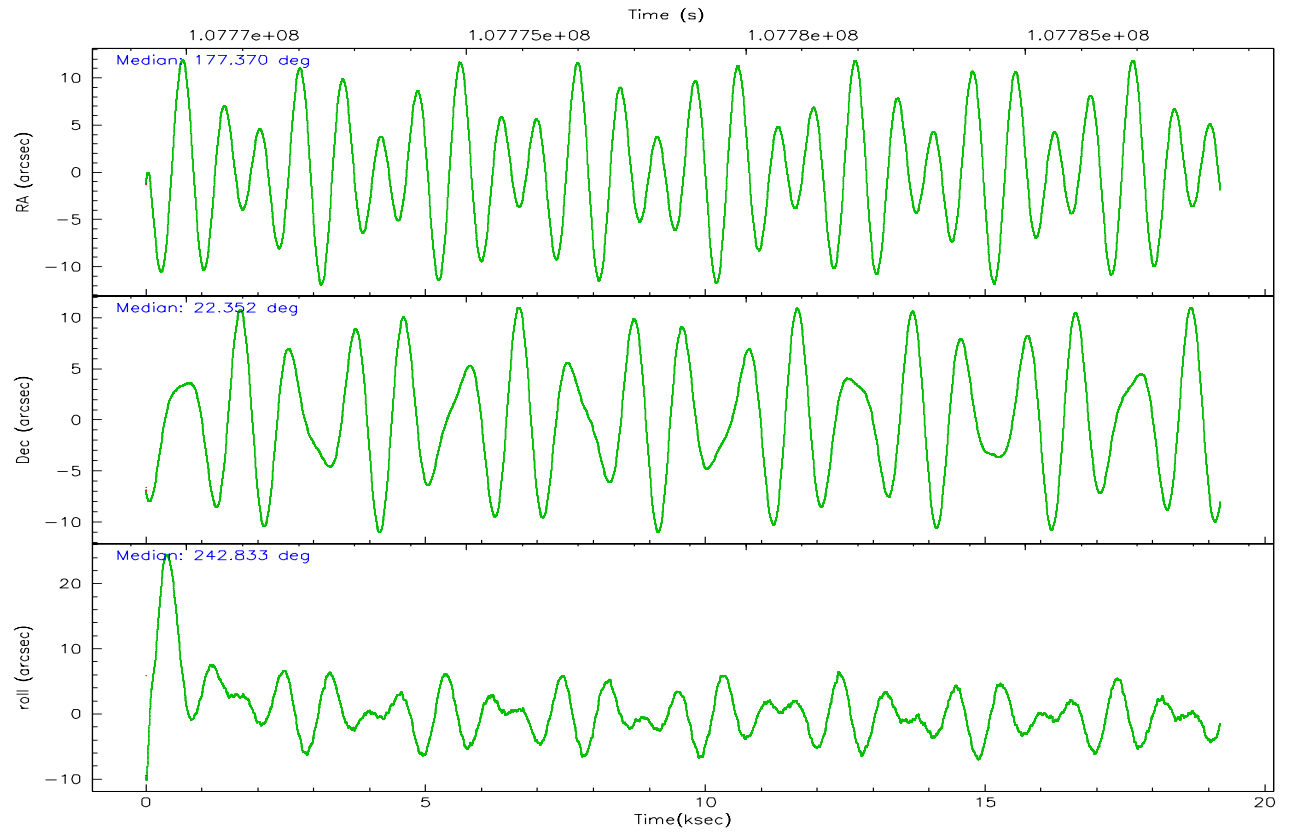
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6360	6413	6041	10512	5759
	5%	5%	4%	8%	4%
grade 1 events	55	64	46	75	49
	0%	0%	0%	0%	0%
grade 2 events	2950	3017	2978	3290	2822
	2%	2%	2%	2%	2%
grade 3 events	1458	1550	1334	1524	1401
	1%	1%	1%	1%	1%
grade 4 events	1384	1463	1263	1500	1340
	1%	1%	0%	1%	1%
grade 5 events	4404	4630	4142	4767	4988
	3%	4%	3%	3%	4%
grade 6 events	2513	2811	2408	2607	2675
	2%	2%	1%	2%	2%
grade 7 events	93480	95146	109685	105072	102797
	83%	82%	85%	81%	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	177.368875	177.3703554749537	Subarray requested	NONE	NONE
Pointing Dec	22.378971	22.35154030656413	Alternating exposures requested	N	N
Pointing Roll	242.625668	242.8337861079359	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	-225.848371962627			
SIM translation stage offset (mm)	-7.752	-7.744081040302689			
Observation start time	107769476.184000	107768908.65671			
Observation start date	2001-06-01T07:56:52	2001-06-01T07:48:28			
Observation end time	107788476.184000	107789060.66999			
Observation end date	2001-06-01T13:13:32	2001-06-01T13:24:20			
Read mode	TIMED	TIMED			

2.3 Aspect



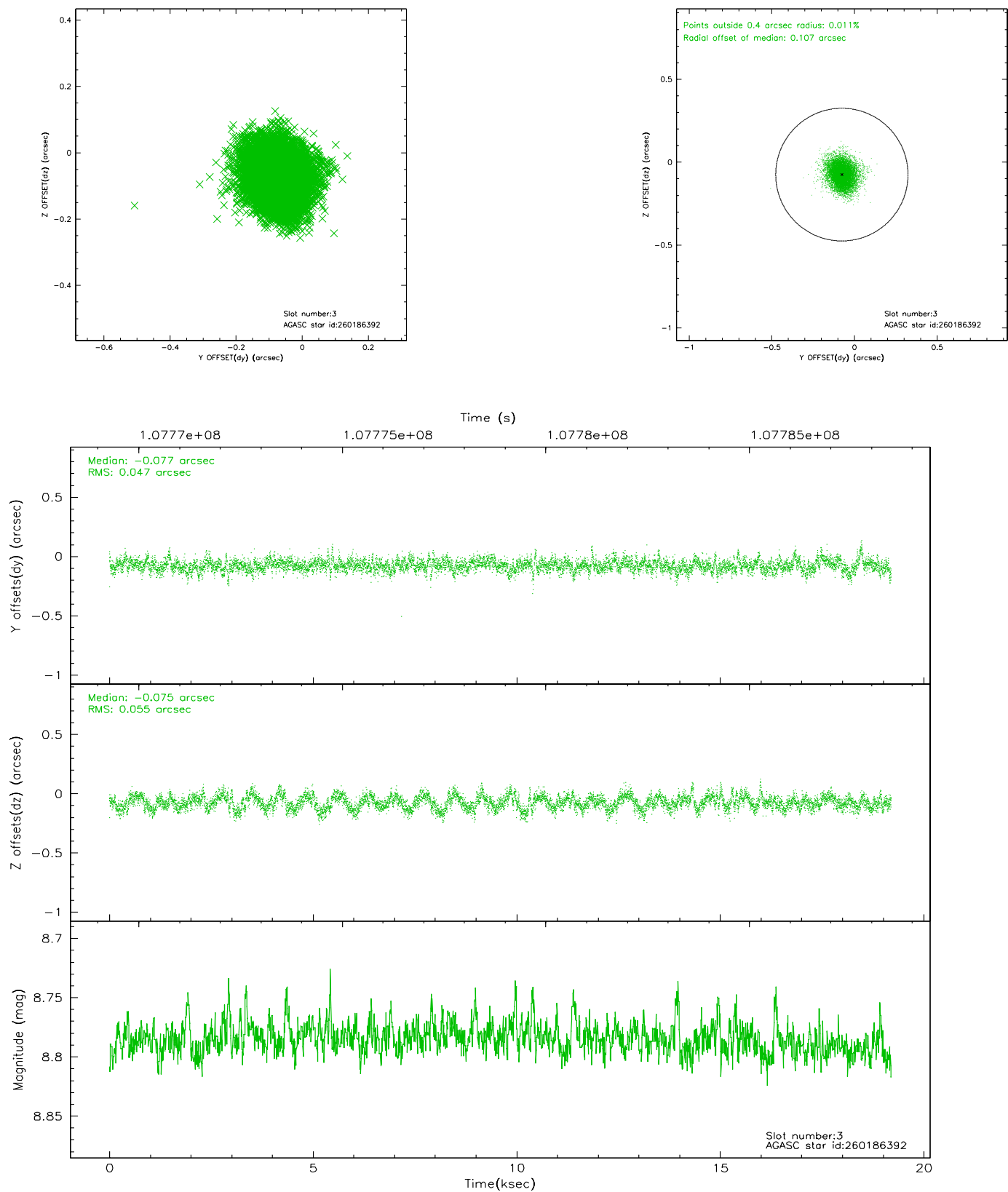


Slot Statistics

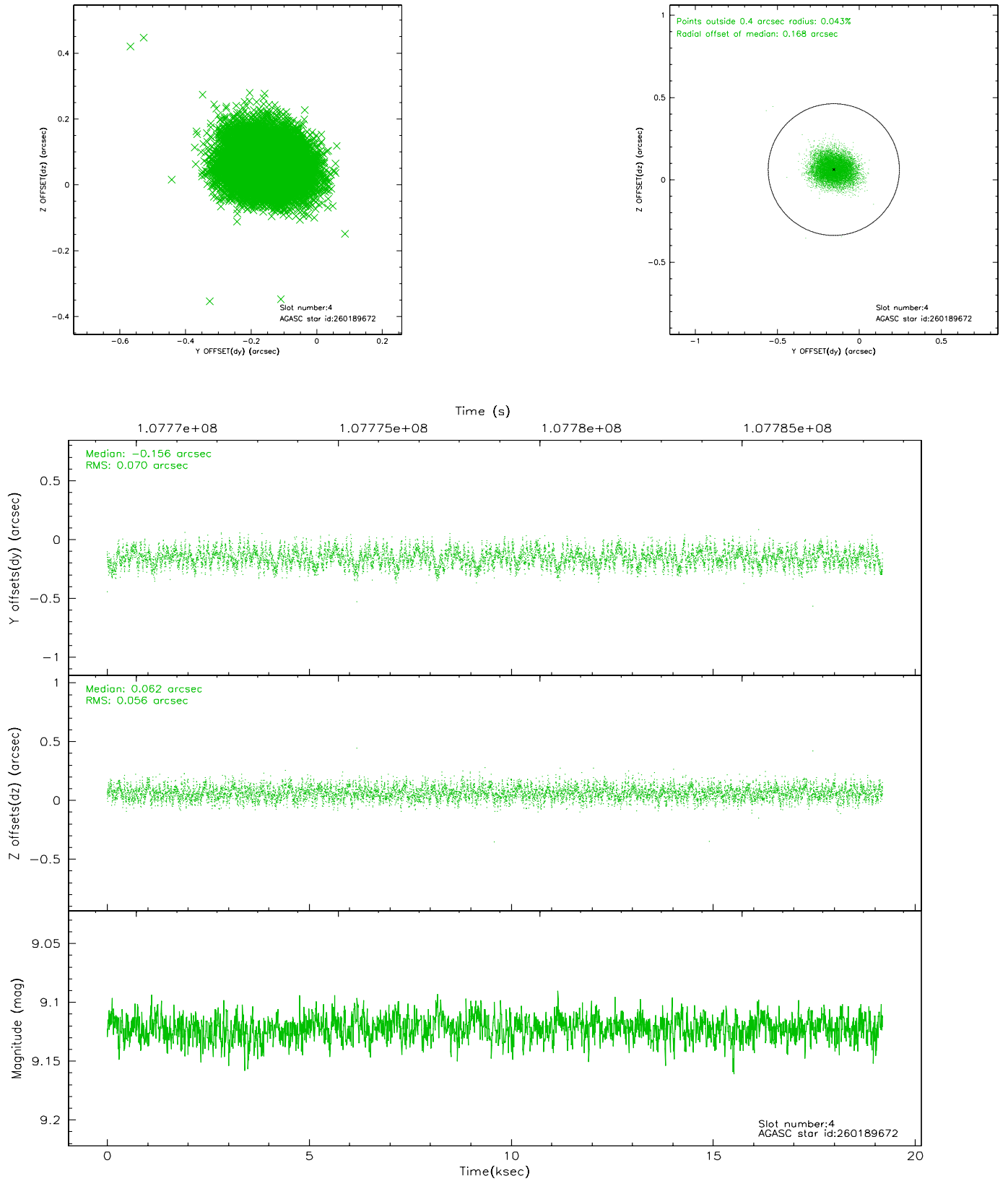
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.18	4684	-0.029	-0.027	0.010	0.017	0.000000	0.000000	-756.12	-993.91
1	FID	ACIS-I-4	7.15	4684	-0.075	0.033	0.006	0.011	0.000000	0.000000	2157.75	912.17
2	FID	ACIS-I-5	7.22	4684	0.003	0.063	0.009	0.014	0.000000	0.000000	-1809.27	909.25
3	GUIDE	260186392	8.79	9367	-0.077	-0.075	0.076	0.126	177.767471	22.743242	-1774.24	571.30
4	GUIDE	260189672	9.12	9363	-0.156	0.062	0.096	0.151	178.136603	22.711623	-2241.50	1710.55
5	GUIDE	189148592	9.36	9365	0.232	-0.108	0.090	0.148	177.434258	22.088632	828.25	674.36
6	GUIDE	189147384	9.78	9356	-0.021	0.073	0.097	0.159	177.889709	22.114499	44.59	1979.10
7	GUIDE	189143696	9.58	9361	0.018	0.048	0.112	0.172	178.041363	22.456622	-1281.01	1856.23

2.4 Star Slots

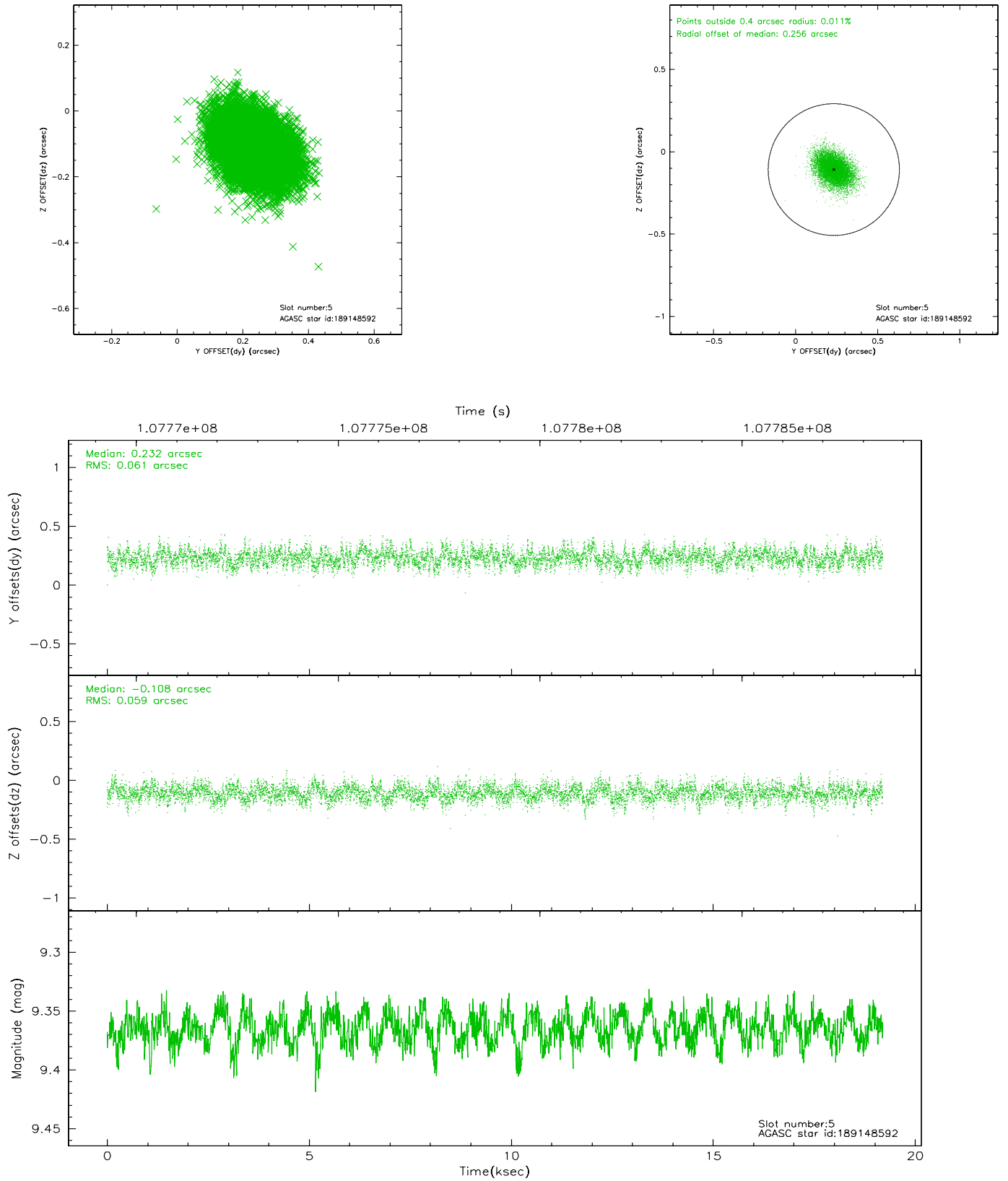
2.4.1 Slot 3



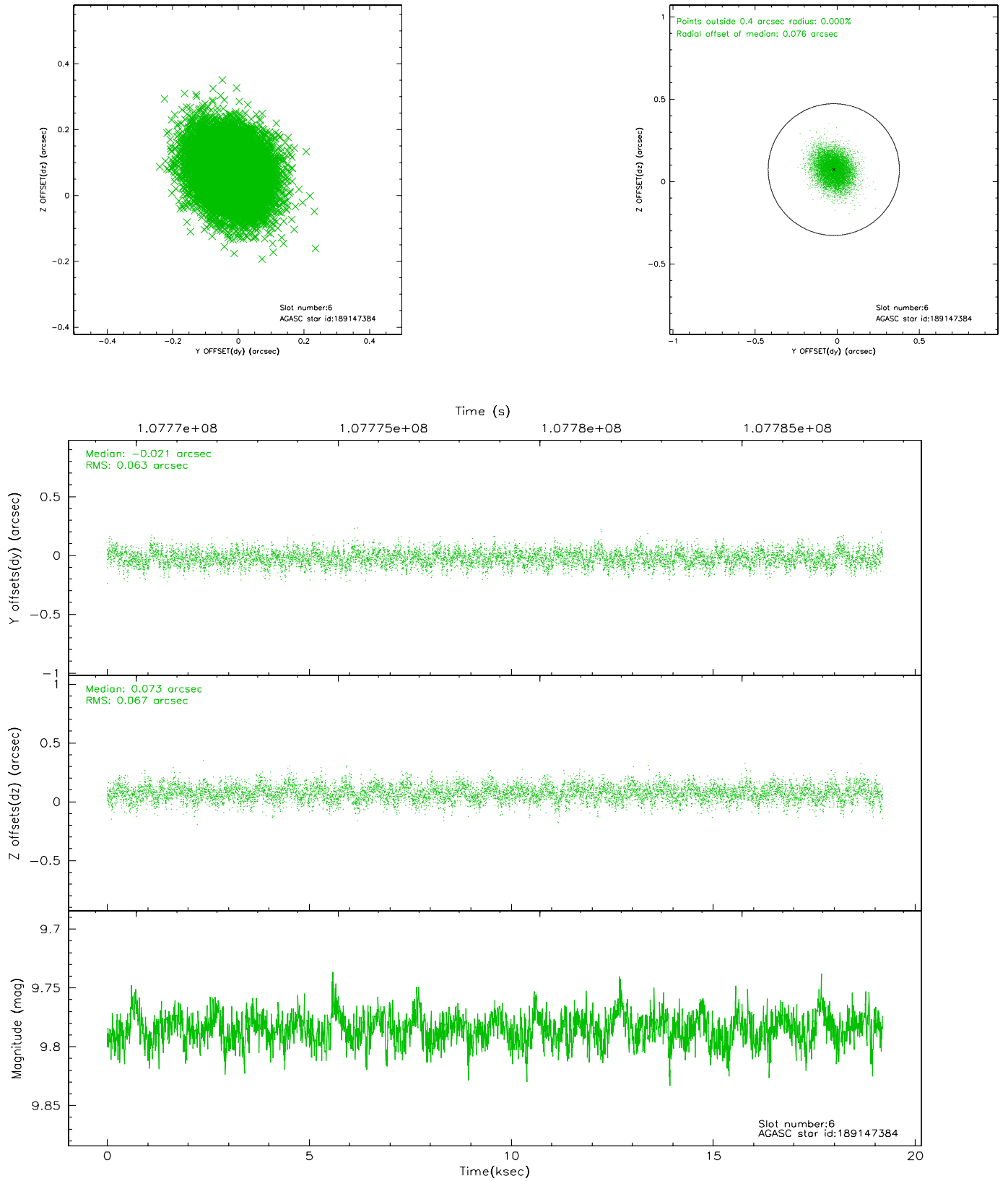
2.4.2 Slot 4



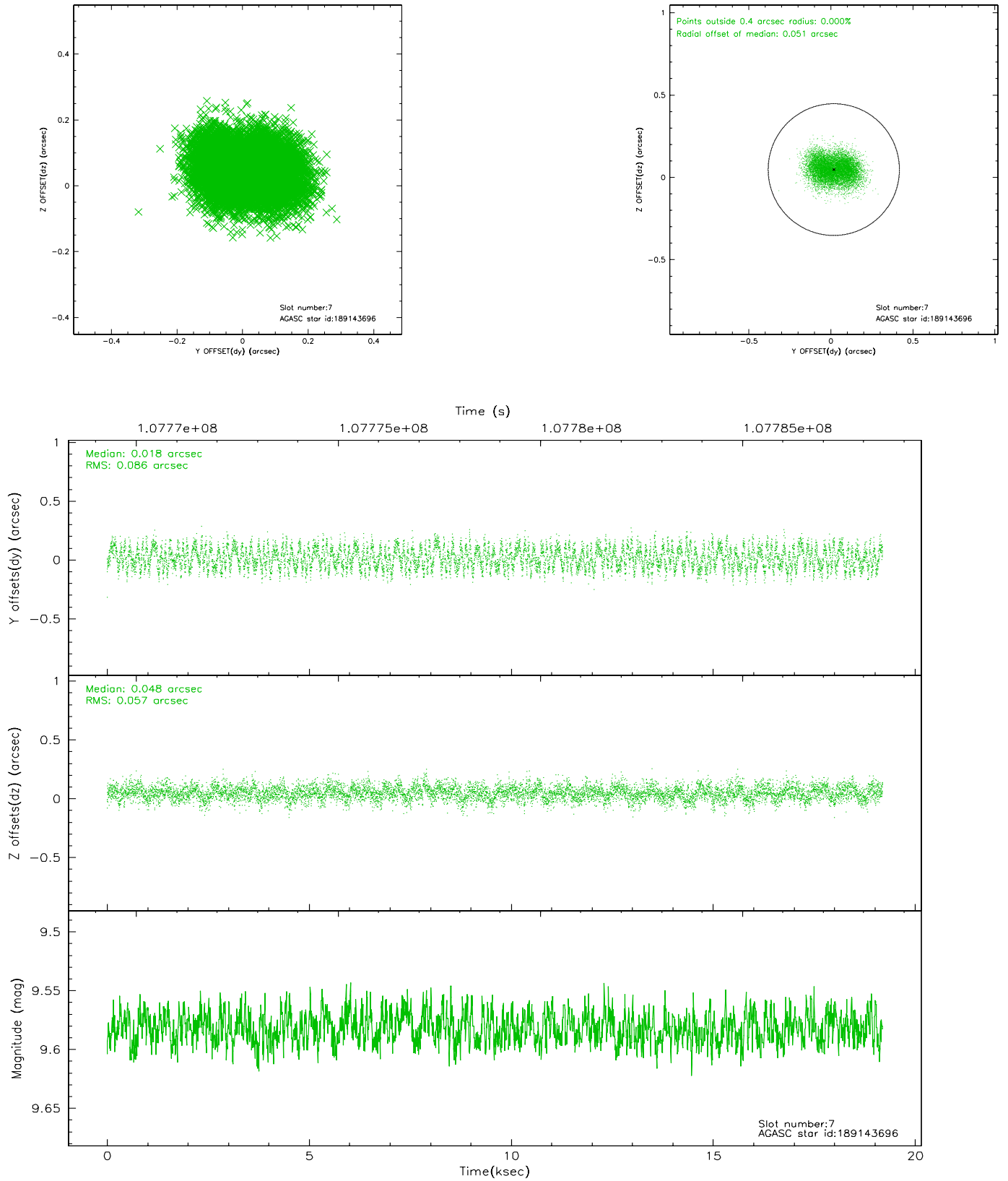
2.4.3 Slot 5



2.4.4 Slot 6

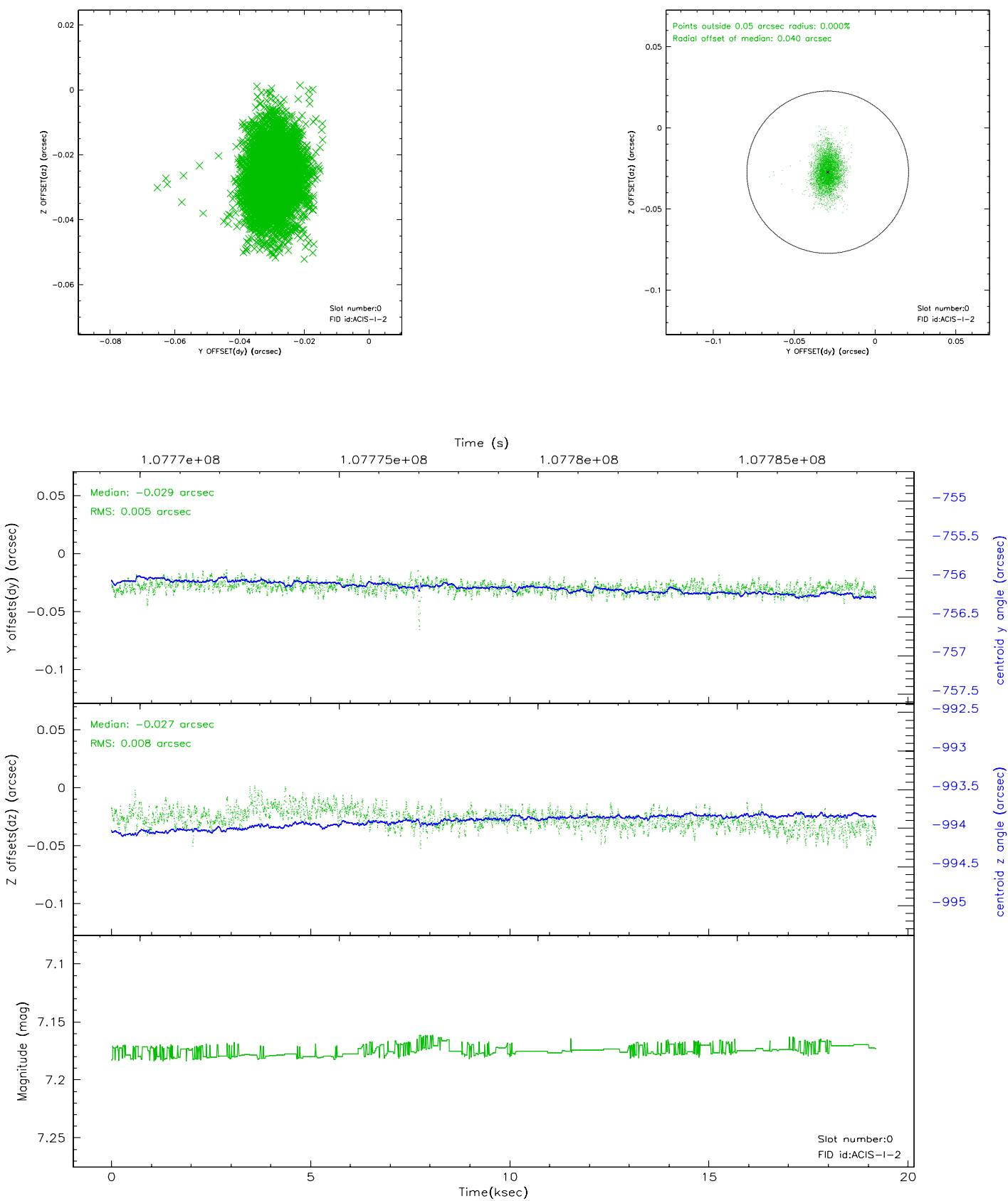


2.4.5 Slot 7

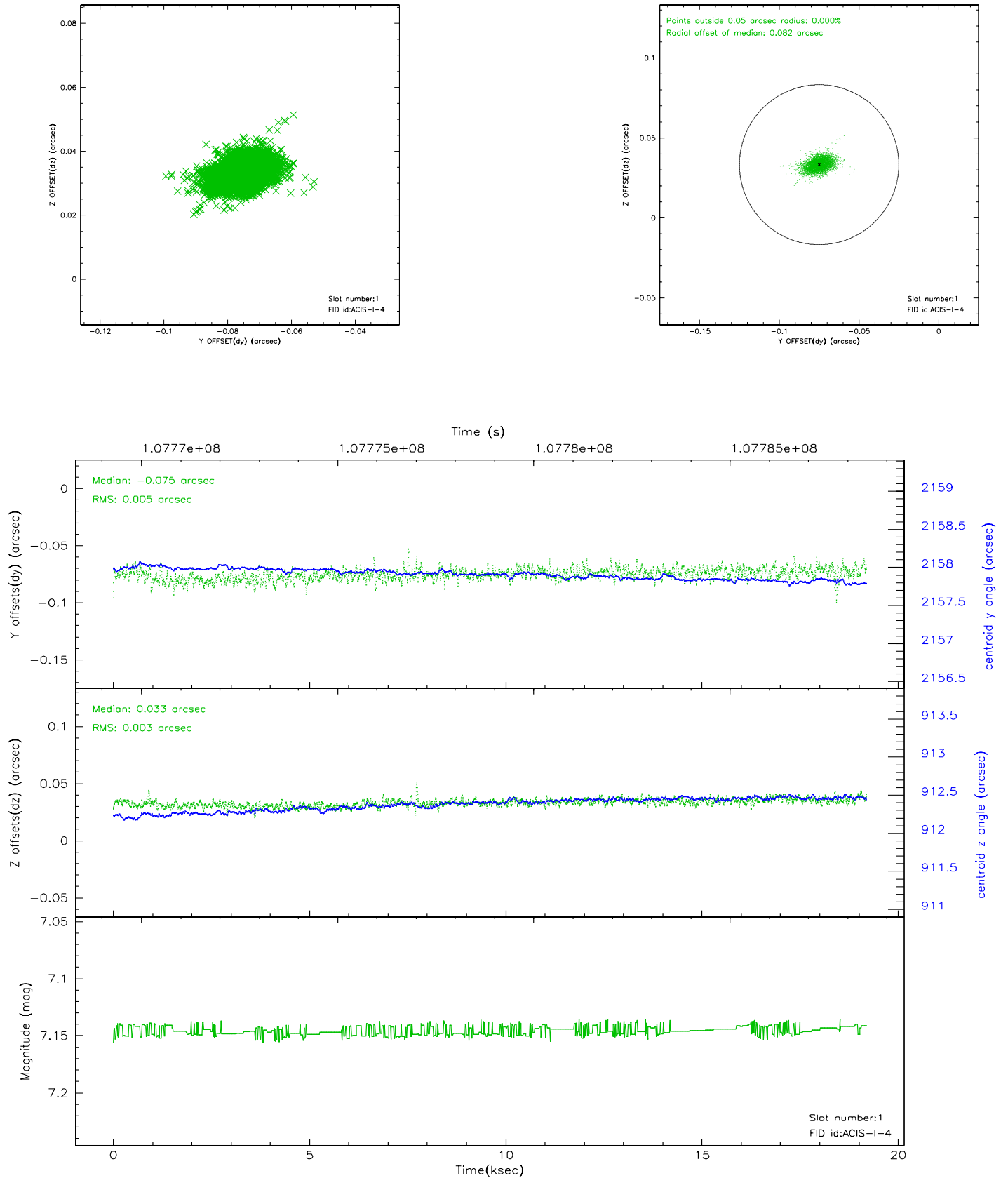


2.5 FID Slots

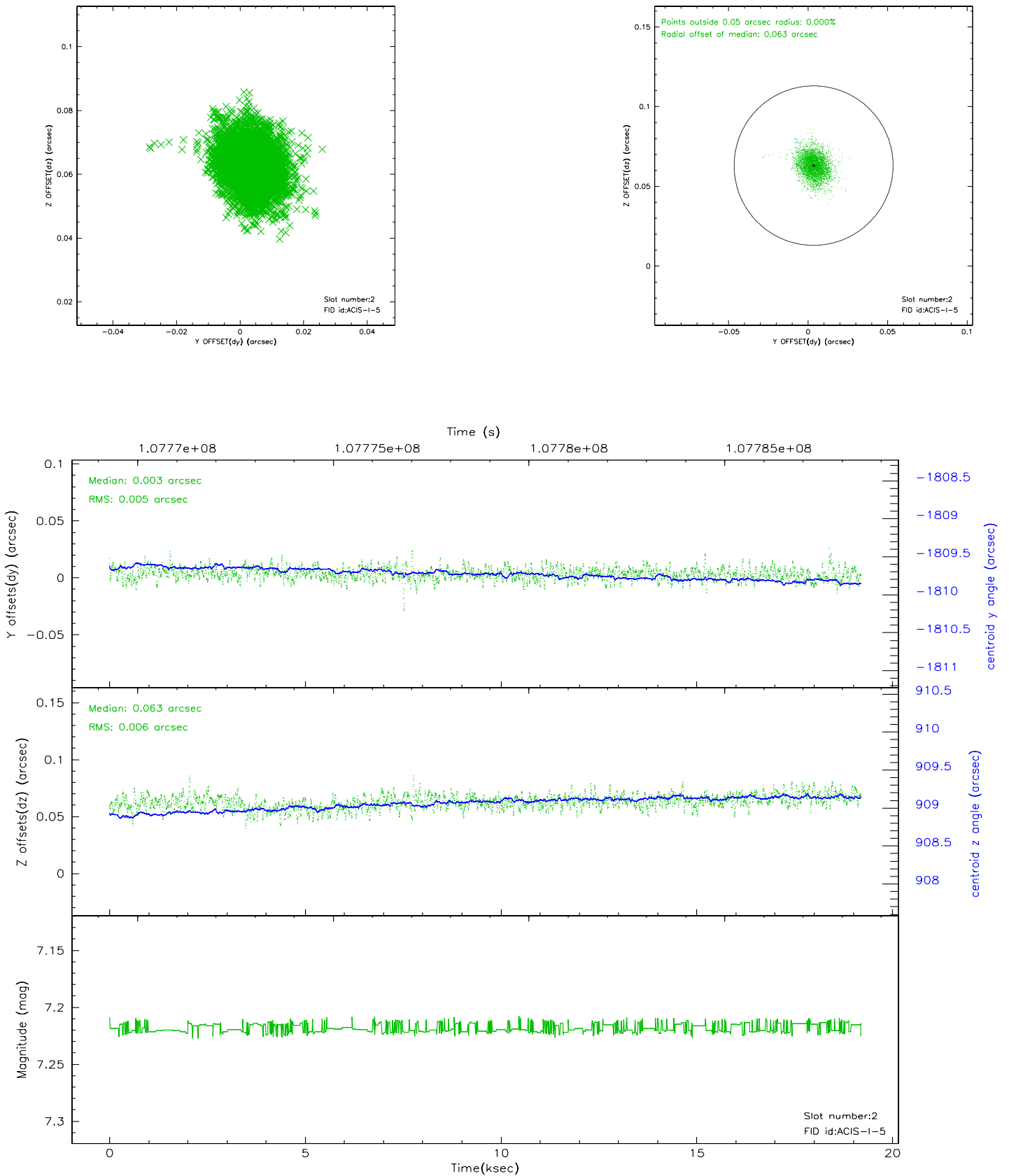
2.5.1 Slot 0



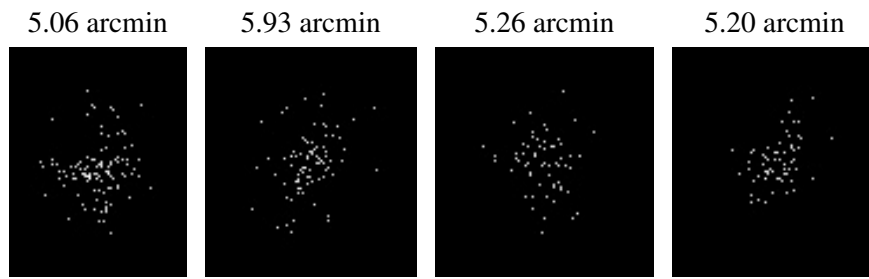
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.764

A.2 Comments