

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4130 - L2 Version 001
Chandra X-Ray Center

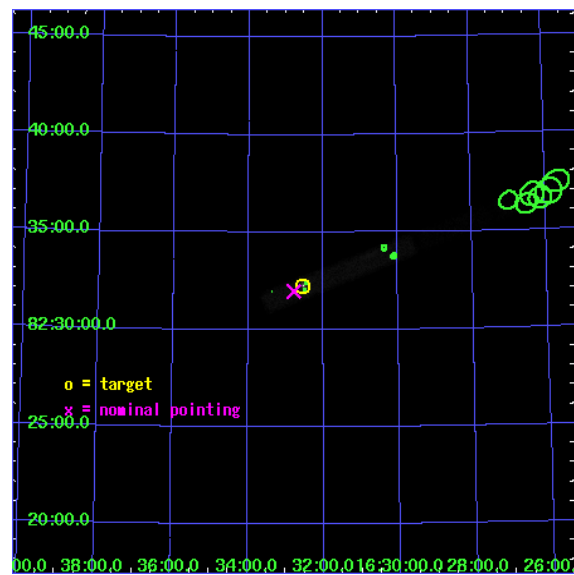
L2 Processing Date : Jun 30 2006

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1 Front

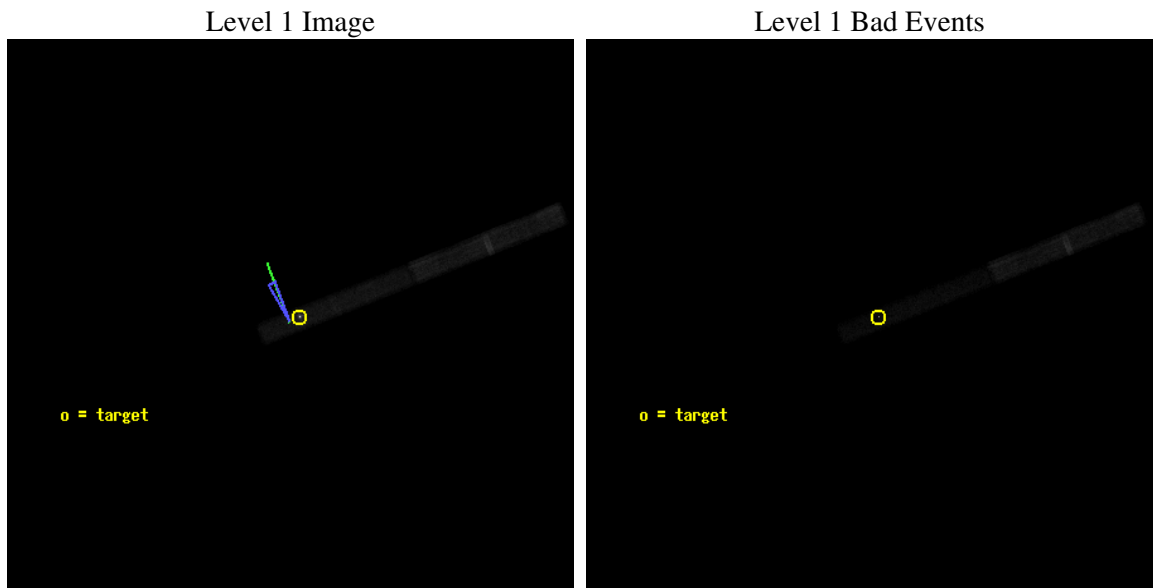
seq_num	700809
obs_id	4130
title	THE ACTIVE NUCLEUS AND 200-KPC X-RAY JET IN NGC 6251
observer	Dr Martin Hardcastle
object	NGC 6251
dtcycle	0
cycle	P
ra_targ	248.132917
dec_targ	82.537889
ra_nom	248.1962078626
dec_nom	82.532819323352
roll_nom	338.40794297567
revision	2
ontime	49169.5
livetime	45439.801123762
ontime7	49169.5
ontime8	49167.876909941
l2events	66380



2 OBI

2.1 OBI

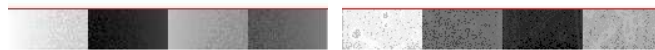
2.1.1 Images



2.1.2 Bias

Chip 7

Chip 8



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-30T11:49:01
revision	2

sched_exp_time	49000.000000
ontime	50289.621799856
ontime7	50289.621799856
ontime8	50287.998709798
l1events	173288

2.1.4 Events

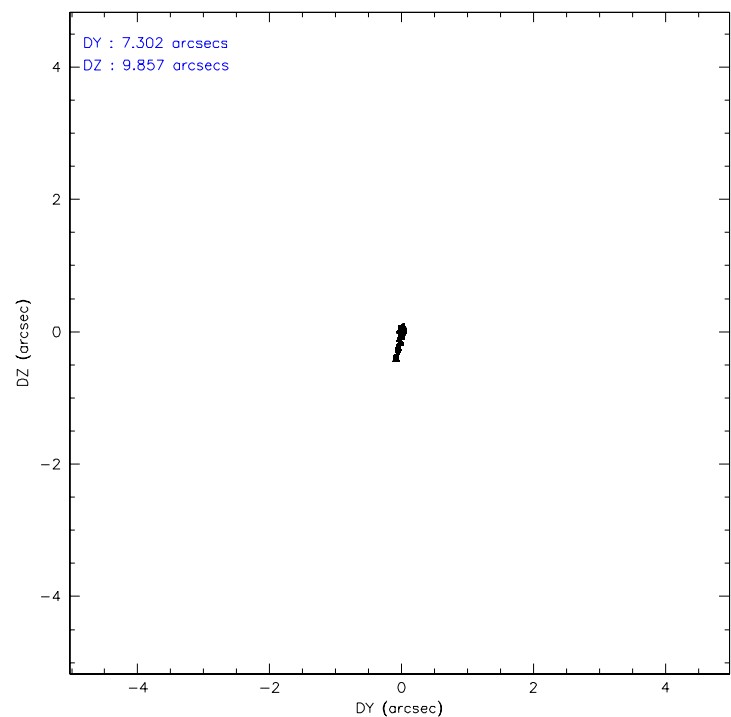
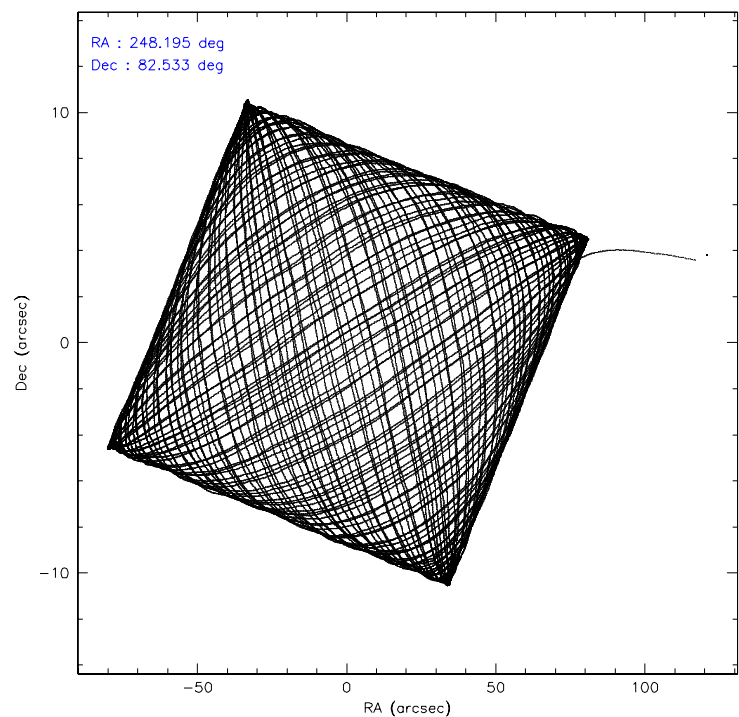
	ccd 7	ccd 8
level 1 events	94854	78434
rejected events	32876	65237
rejected %	34%	83%

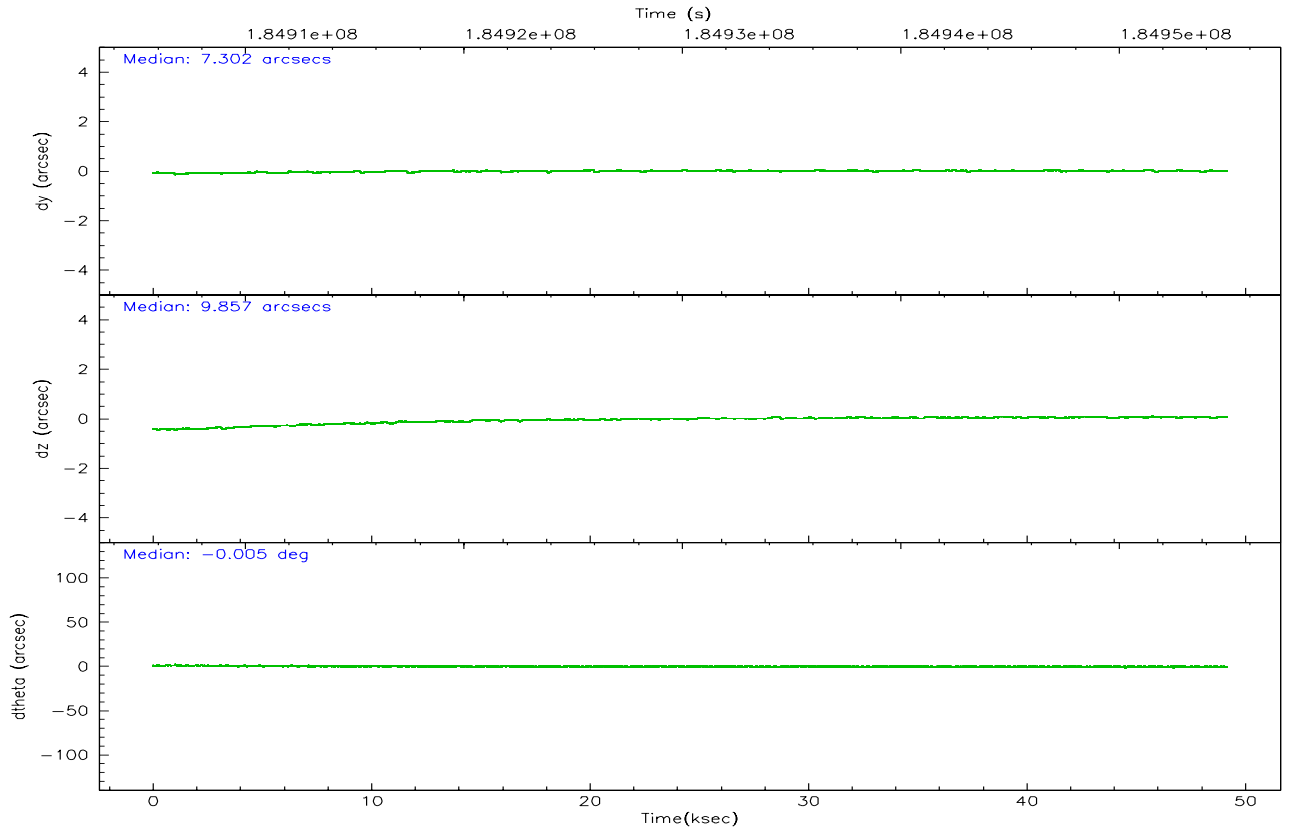
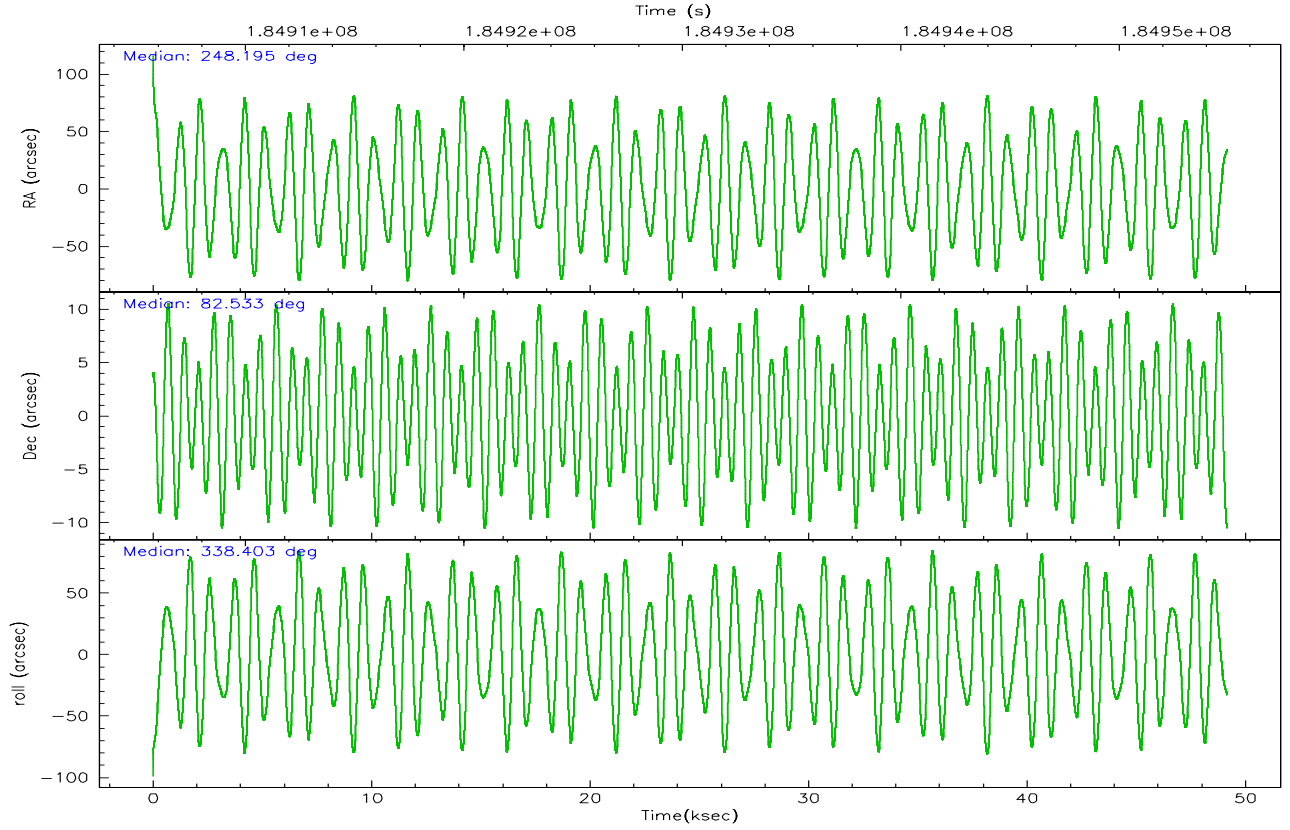
	ccd 7	ccd 8
grade 0 events	12140	3618
	12%	4%
grade 1 events	302	18
	0%	0%
grade 2 events	15617	2518
	16%	3%
grade 3 events	6827	1747
	7%	2%
grade 4 events	6311	1693
	6%	2%
grade 5 events	4854	2246
	5%	2%
grade 6 events	21683	3968
	22%	5%
grade 7 events	27120	62626
	28%	79%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-78	ACIS-78	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	1/8	1/8
Pointing RA	247.989543	248.1962078625992	Subarray start row	0	449
Pointing Dec	82.528432	82.53281932335234	Subarray row count	1024	128
Pointing Roll	338.456225	338.4079429756742	Alternating exposures requested	N	N
Roll angle	335.500000	335.500000	Primary exposure time	0.000000	0.5
Roll tolerance	5.000000	5.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	184905939.184000	184904649.79461			
Observation start date	2003-11-11T02:44:35	2003-11-11T02:24:09			
Observation end time	184954939.184000	184955661.99682			
Observation end date	2003-11-11T16:21:15	2003-11-11T16:34:21			
Read mode	TIMED	TIMED			

2.3 Aspect



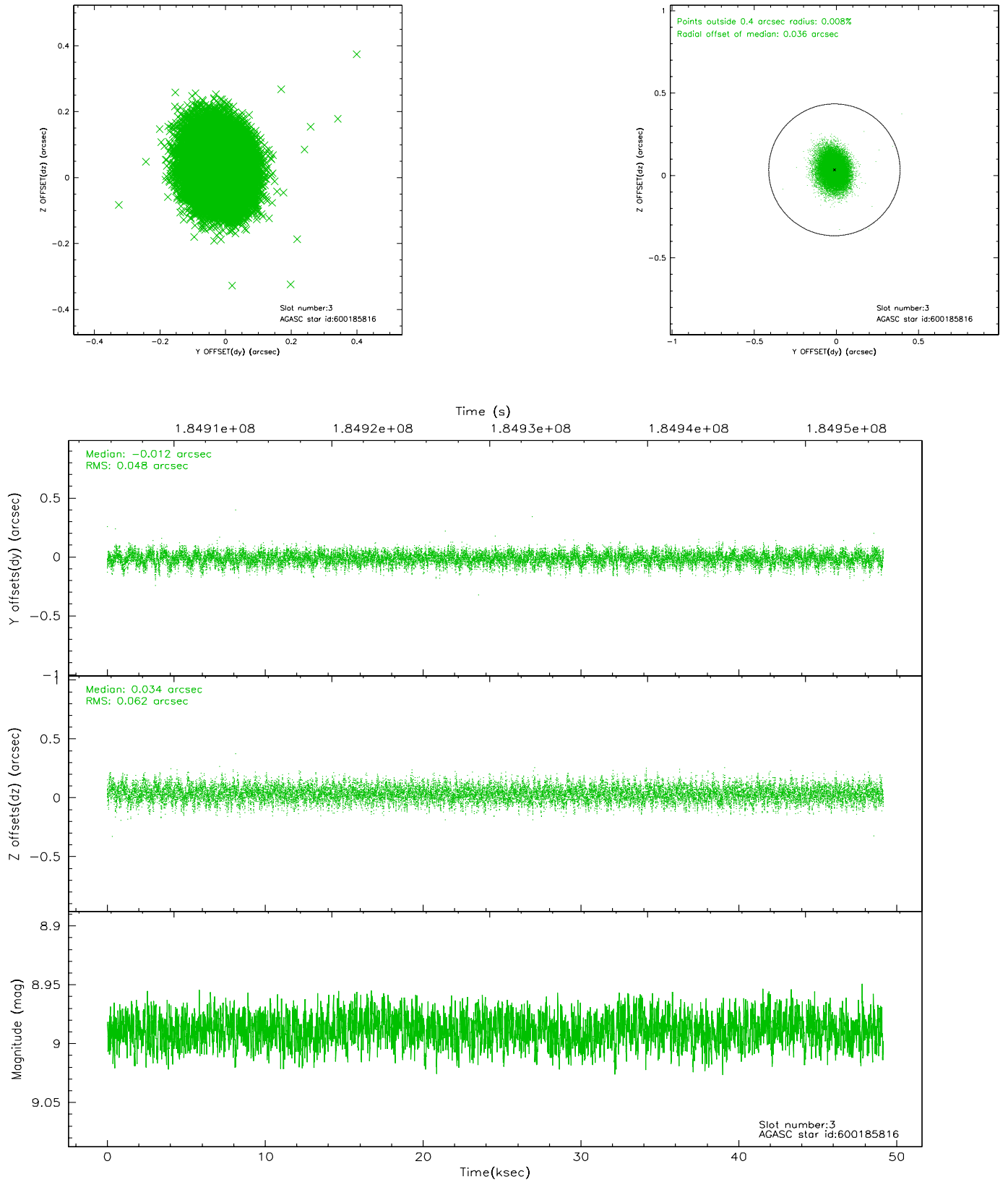


Slot Statistics

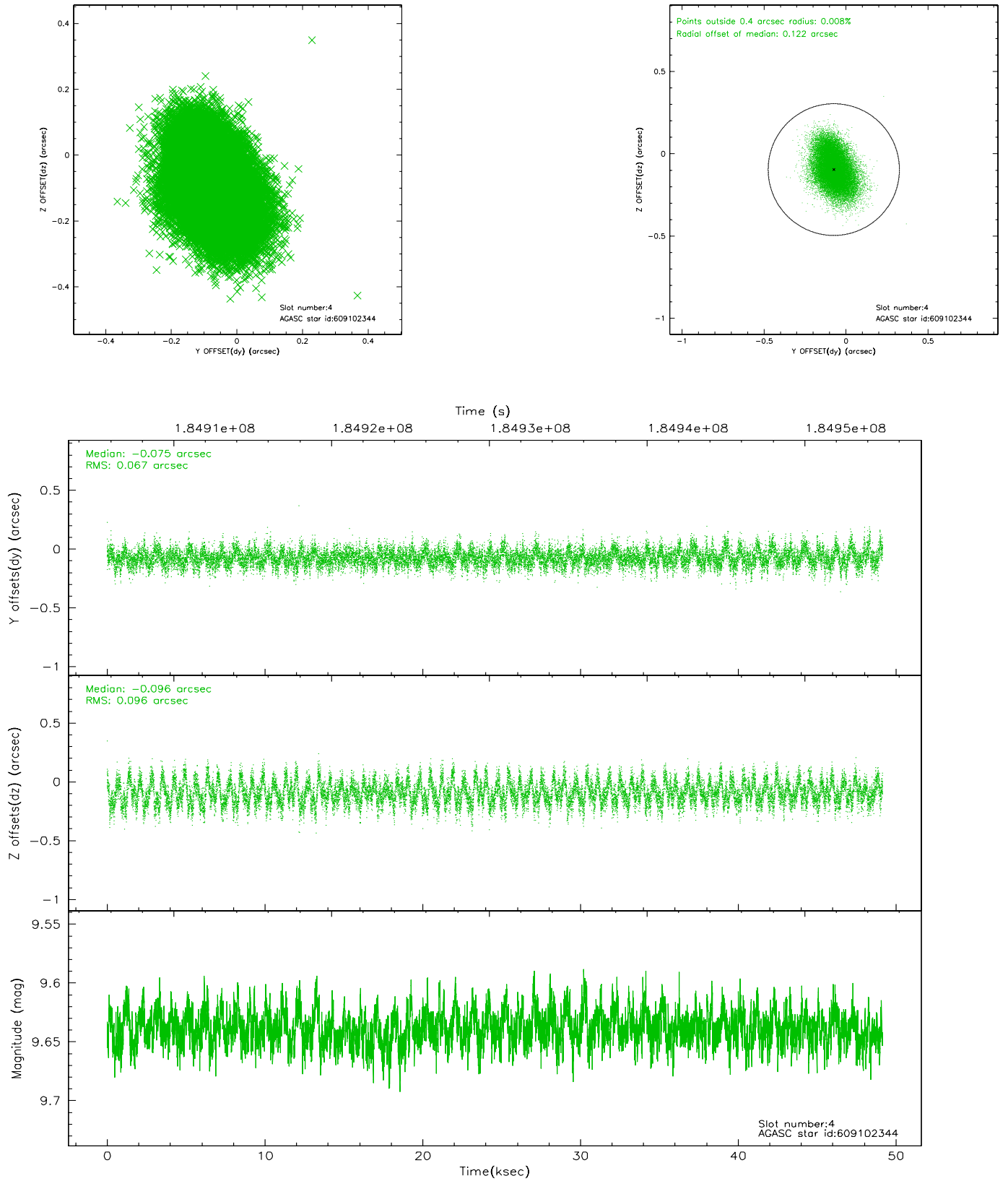
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	11992	-0.031	0.006	0.007	0.012	0.000000	0.000000	-760.05	-1731.05
1	FID	ACIS-S-4	7.20	11993	0.028	0.013	0.005	0.010	0.000000	0.000000	2153.26	177.51
2	FID	ACIS-S-5	7.23	11992	-0.028	-0.011	0.007	0.012	0.000000	0.000000	-1812.95	171.07
3	GUIDE	600185816	8.99	23975	-0.012	0.034	0.083	0.137	243.410736	82.087964	-1558.63	-2223.40
4	GUIDE	609102344	9.64	23973	-0.075	-0.096	0.125	0.203	248.941637	82.969142	-193.73	1633.14
5	GUIDE	609106904	8.10	23985	0.006	0.000	0.069	0.107	243.316021	82.631901	-2173.35	-363.47
6	GUIDE	609107400	9.81	23973	0.083	0.073	0.099	0.160	245.514880	82.606148	-1177.61	-137.37
7	GUIDE	600180184	8.30	23981	-0.004	-0.010	0.080	0.127	242.510461	82.078959	-1977.28	-2381.85

2.4 Star Slots

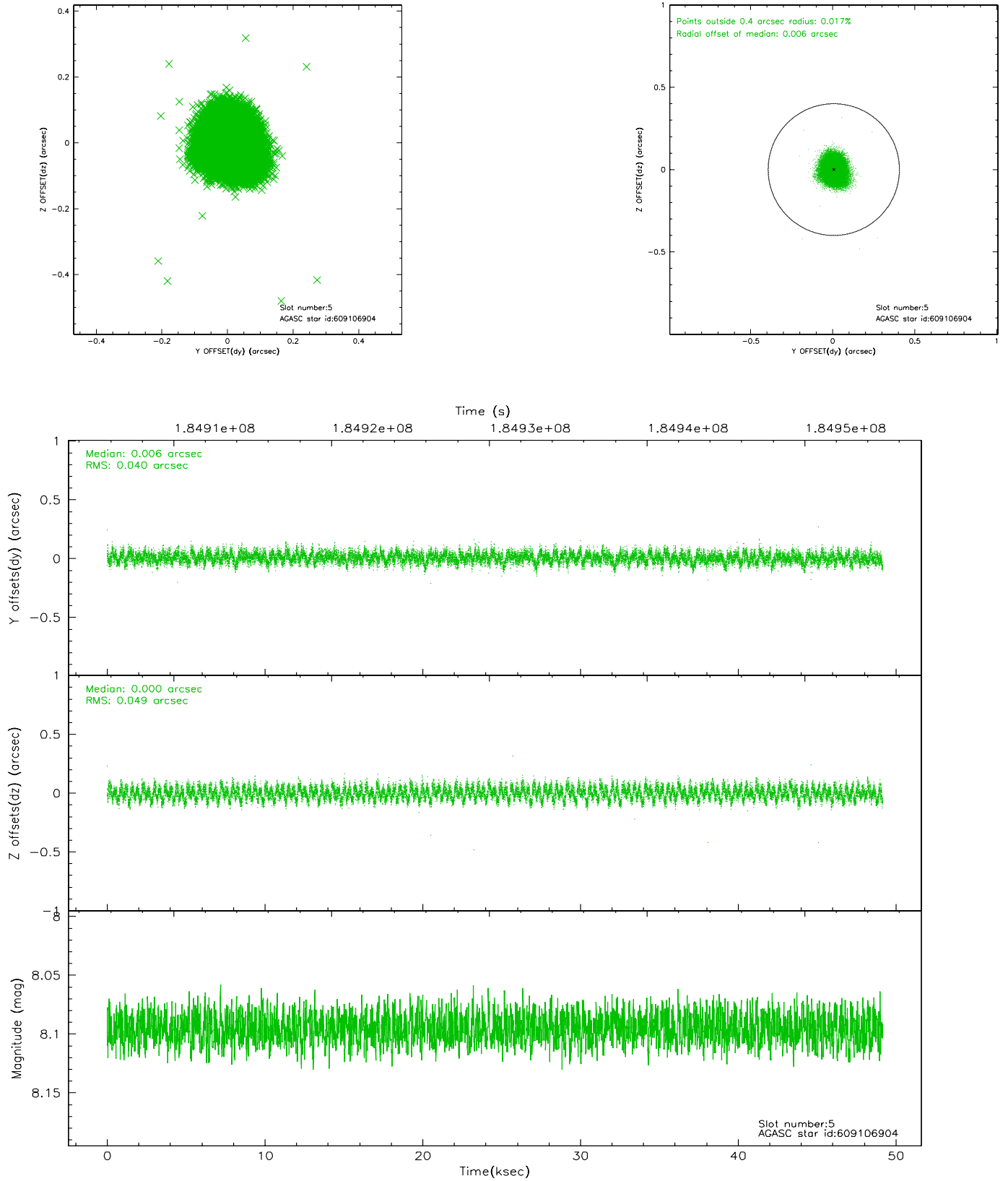
2.4.1 Slot 3



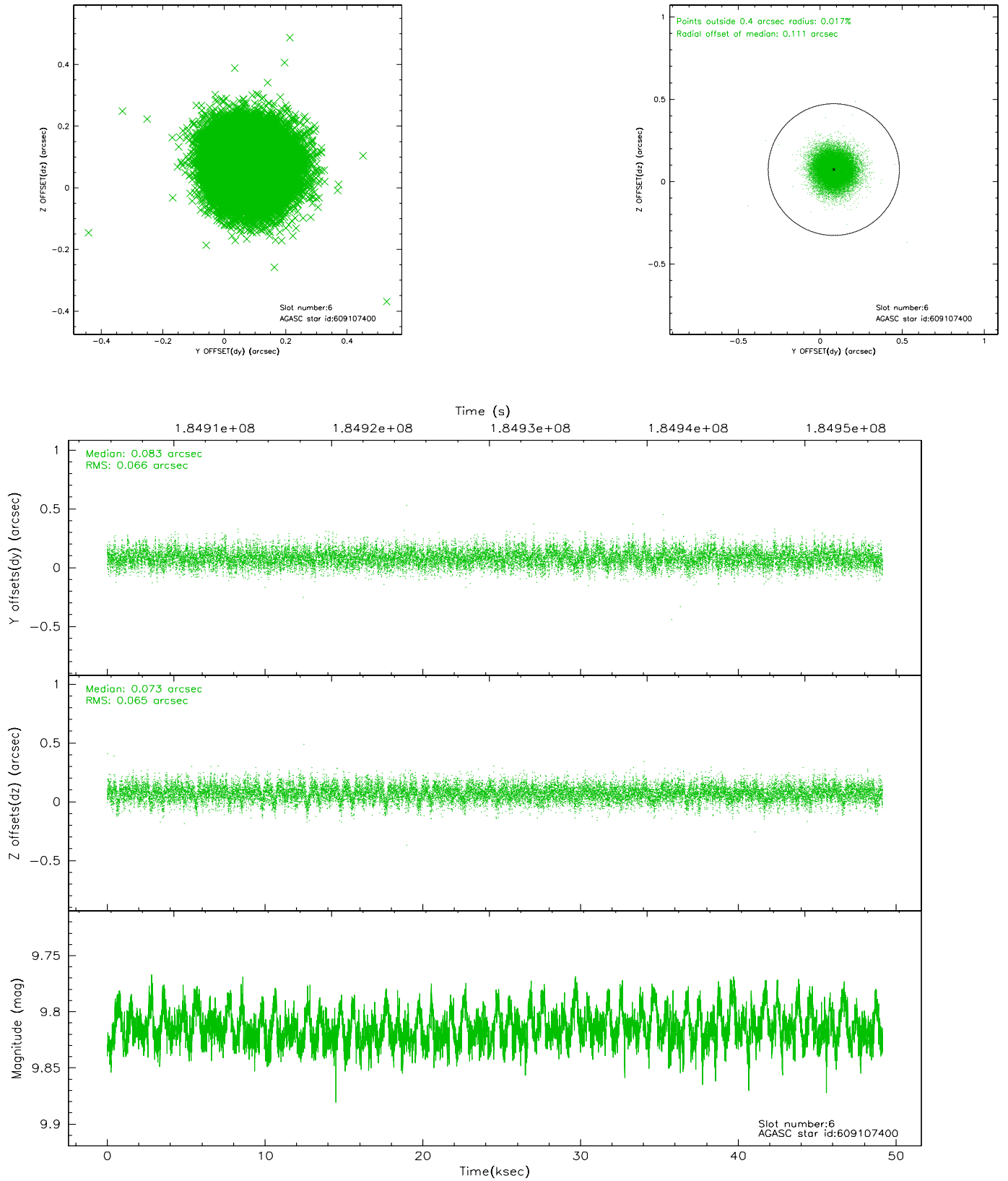
2.4.2 Slot 4



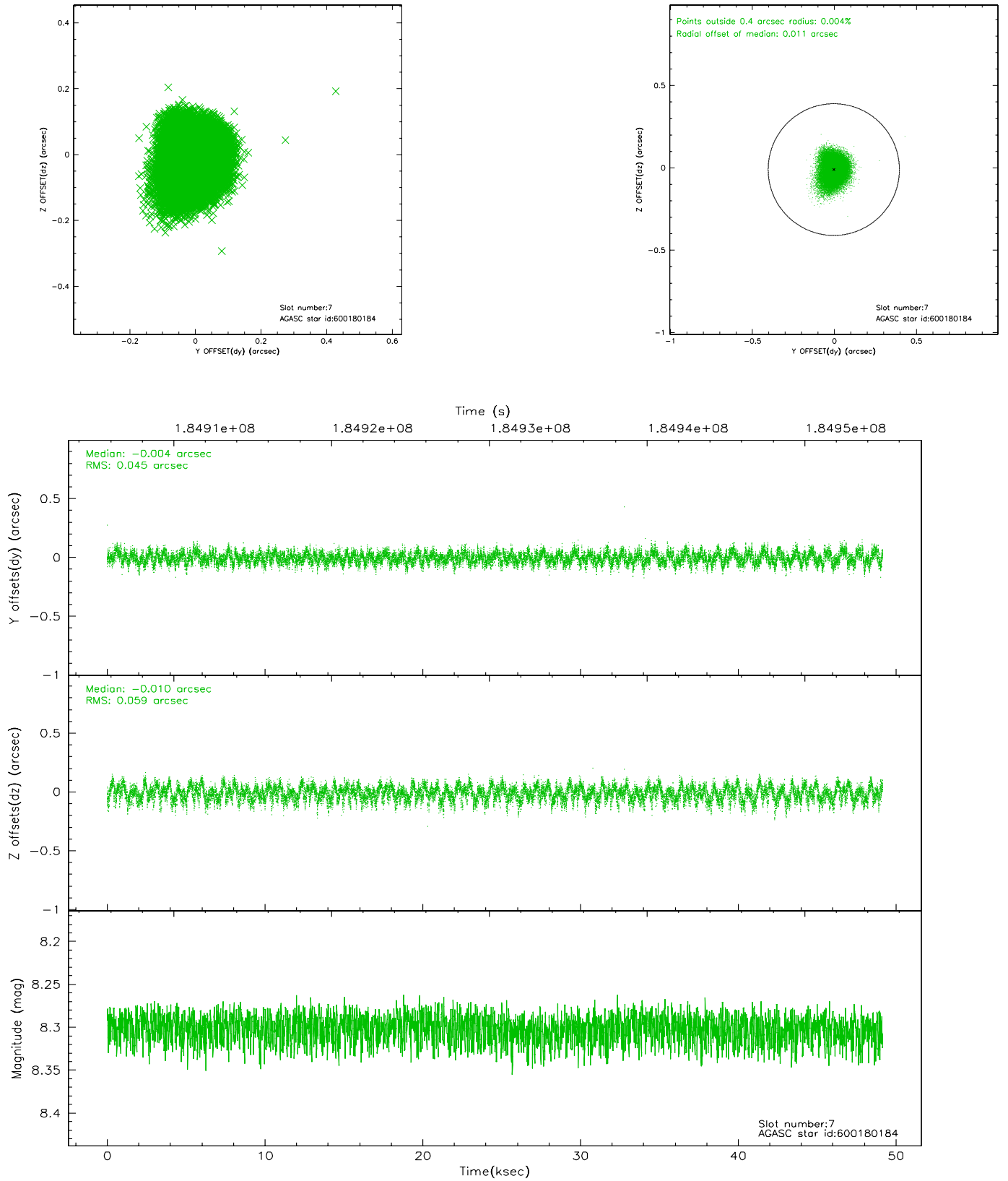
2.4.3 Slot 5



2.4.4 Slot 6

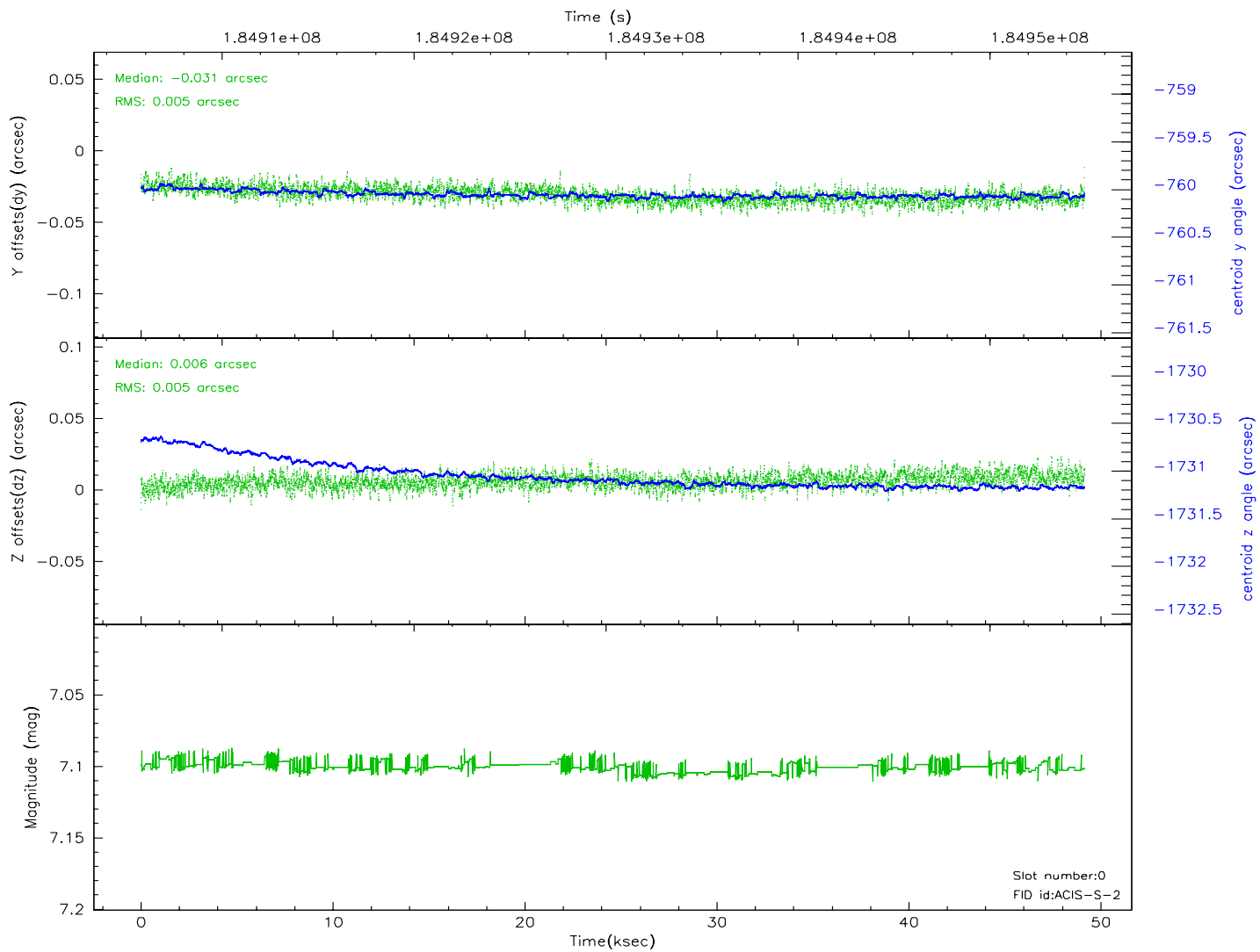
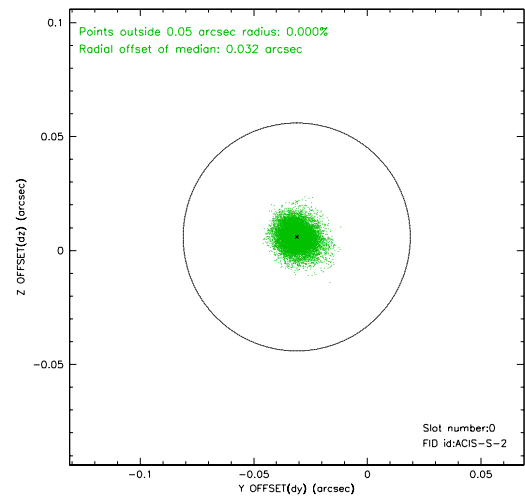
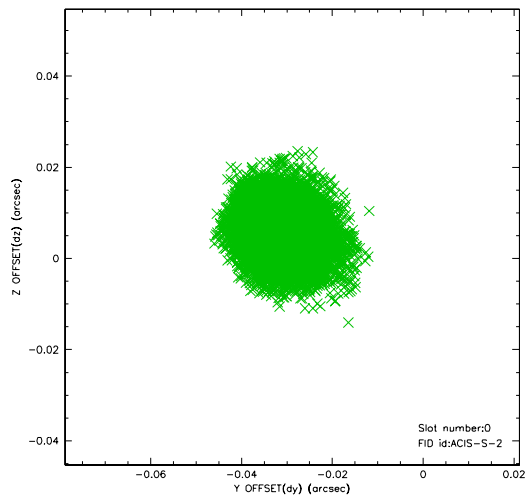


2.4.5 Slot 7

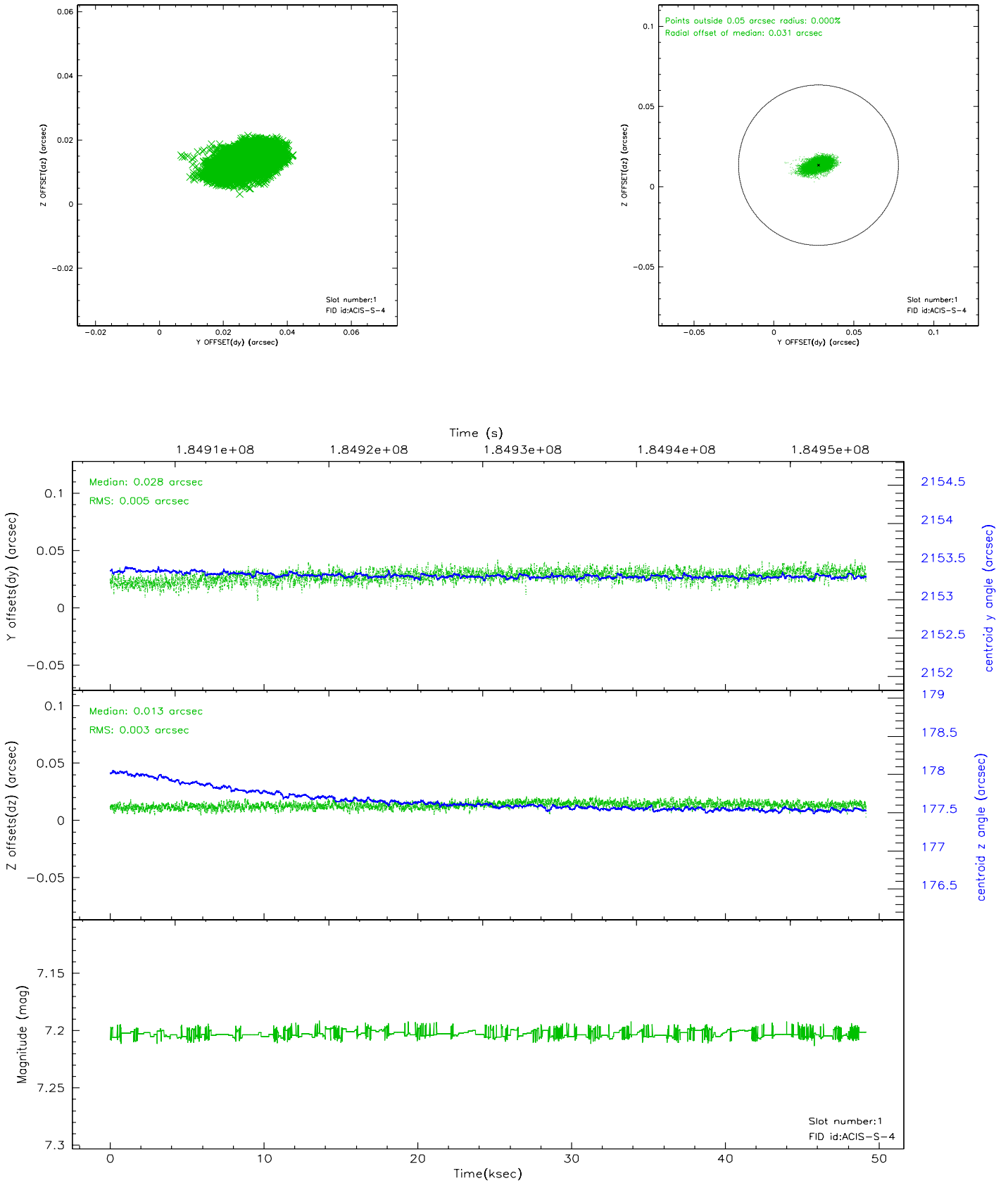


2.5 FID Slots

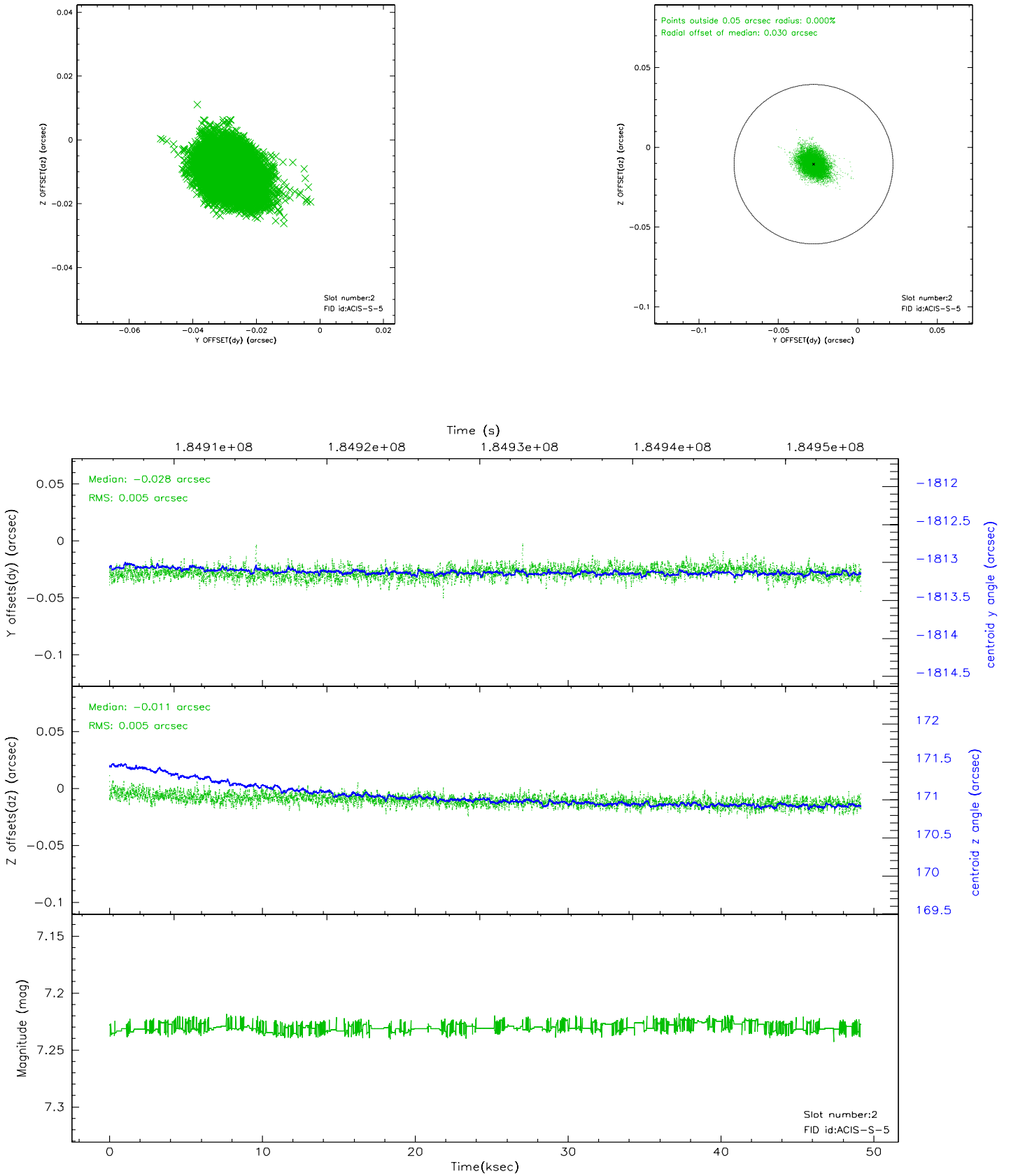
2.5.1 Slot 0



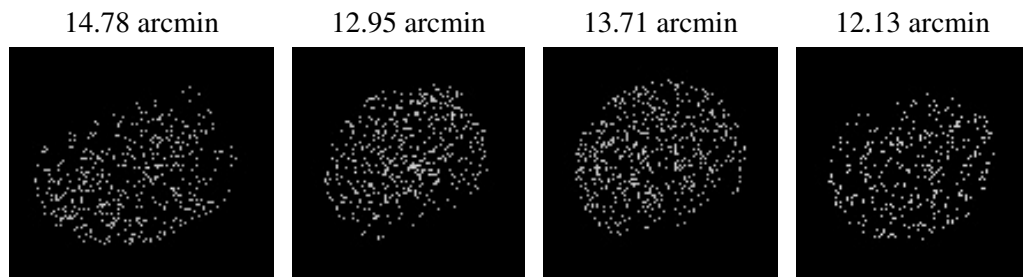
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.169

A.2 Comments

Roll constraint satisfied.