

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2959 - L2 Version 001
Chandra X-Ray Center

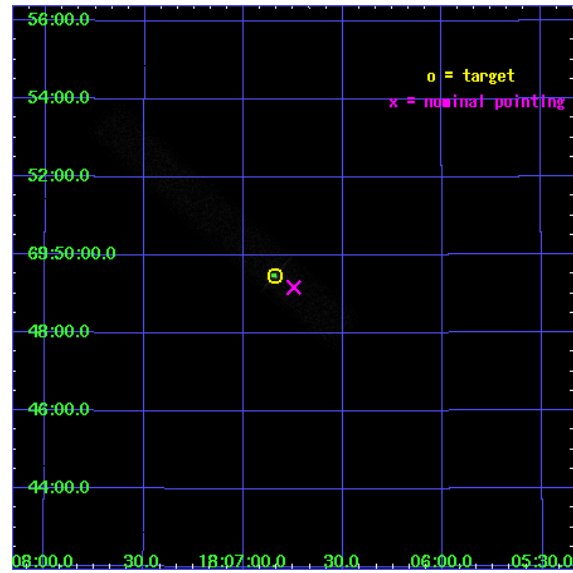
L2 Processing Date : Sep 30 2006

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1 Front

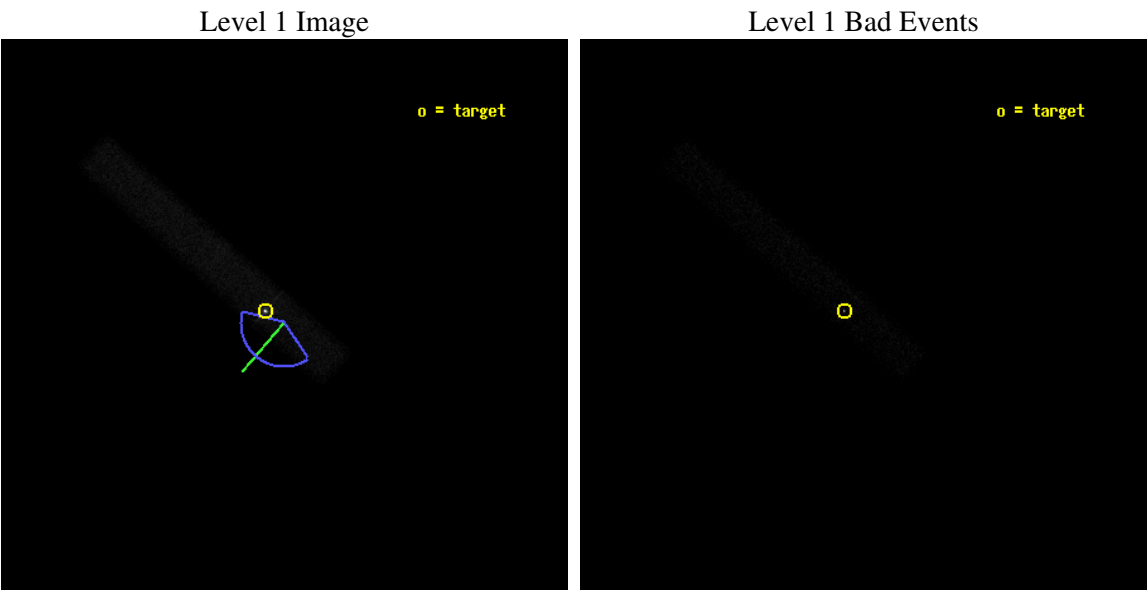
seq_num	700398
obs_id	2959
title	THE PHYSICS OF X-RAY/OPTICAL JETS
observer	Professor C. Urry
object	3C371.0
dtcycle	0
cycle	P
ra_targ	271.710833
dec_targ	69.824472
ra_nom	271.68678536654
dec_nom	69.819473732229
roll_nom	221.25815660203
revision	2
ontime	40858.400608838
livetime	37056.412668998
ontime7	40858.400608838
l2events	41269



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T07:40:36
revision	2

sched_exp_time	40000.000000
ontime	40859.195241451
ontime7	40859.195241451
l1events	66382

2.1.4 Events

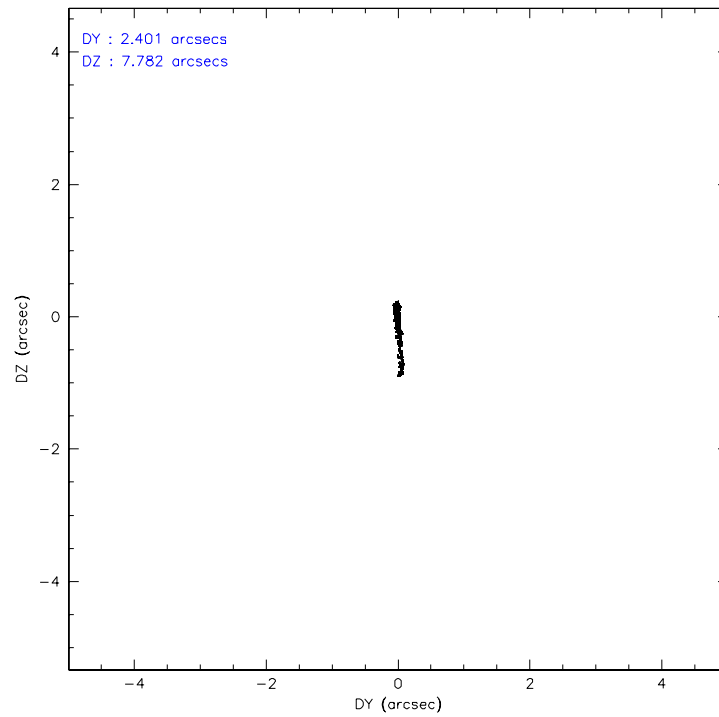
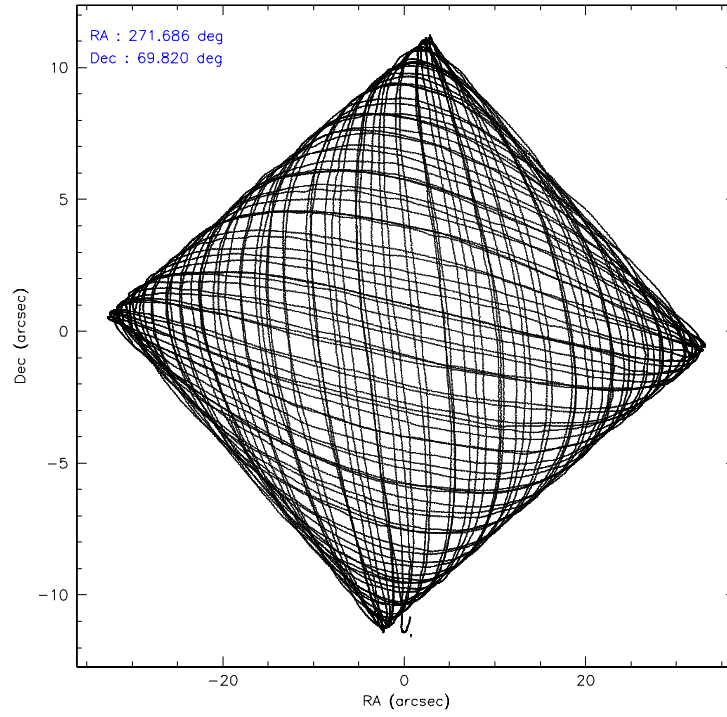
	ccd 7
level 1 events	66382
rejected events	24336
rejected %	36%

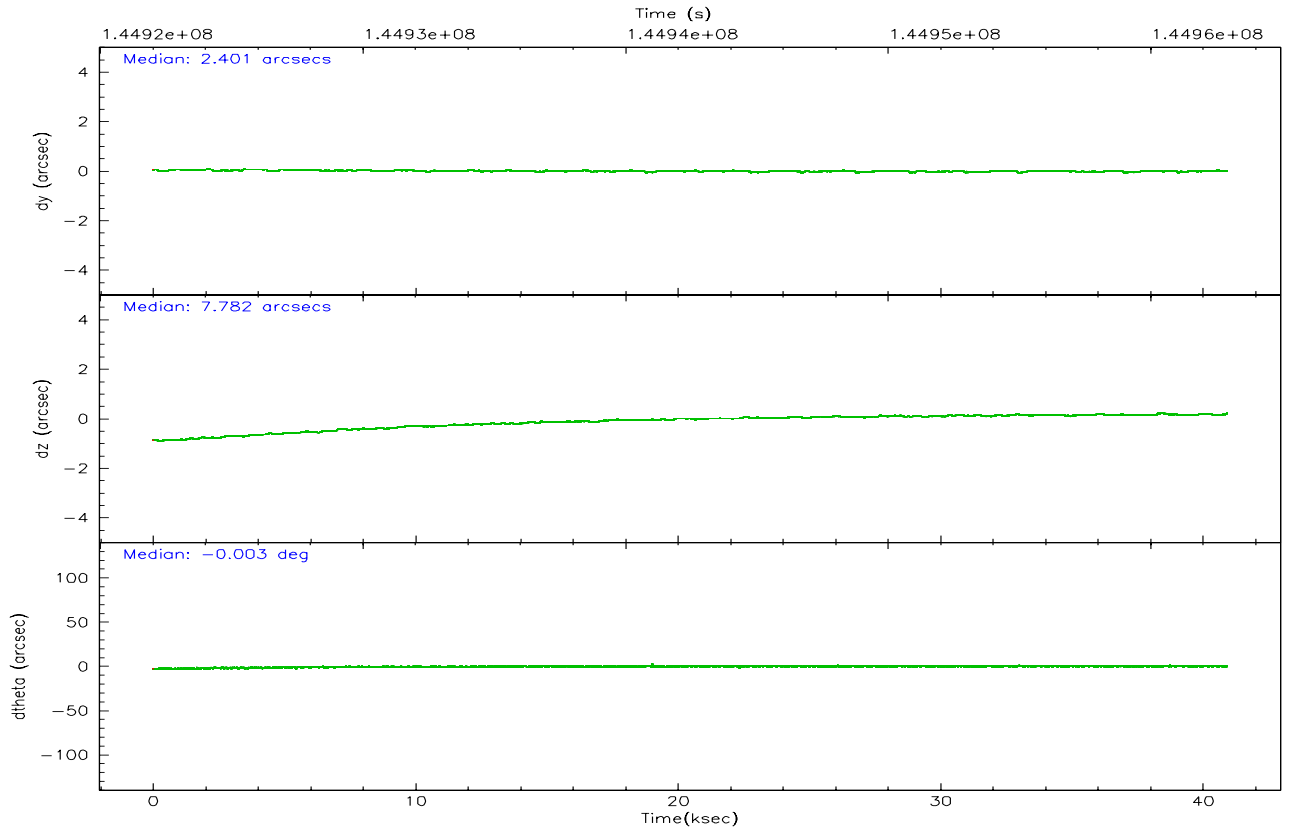
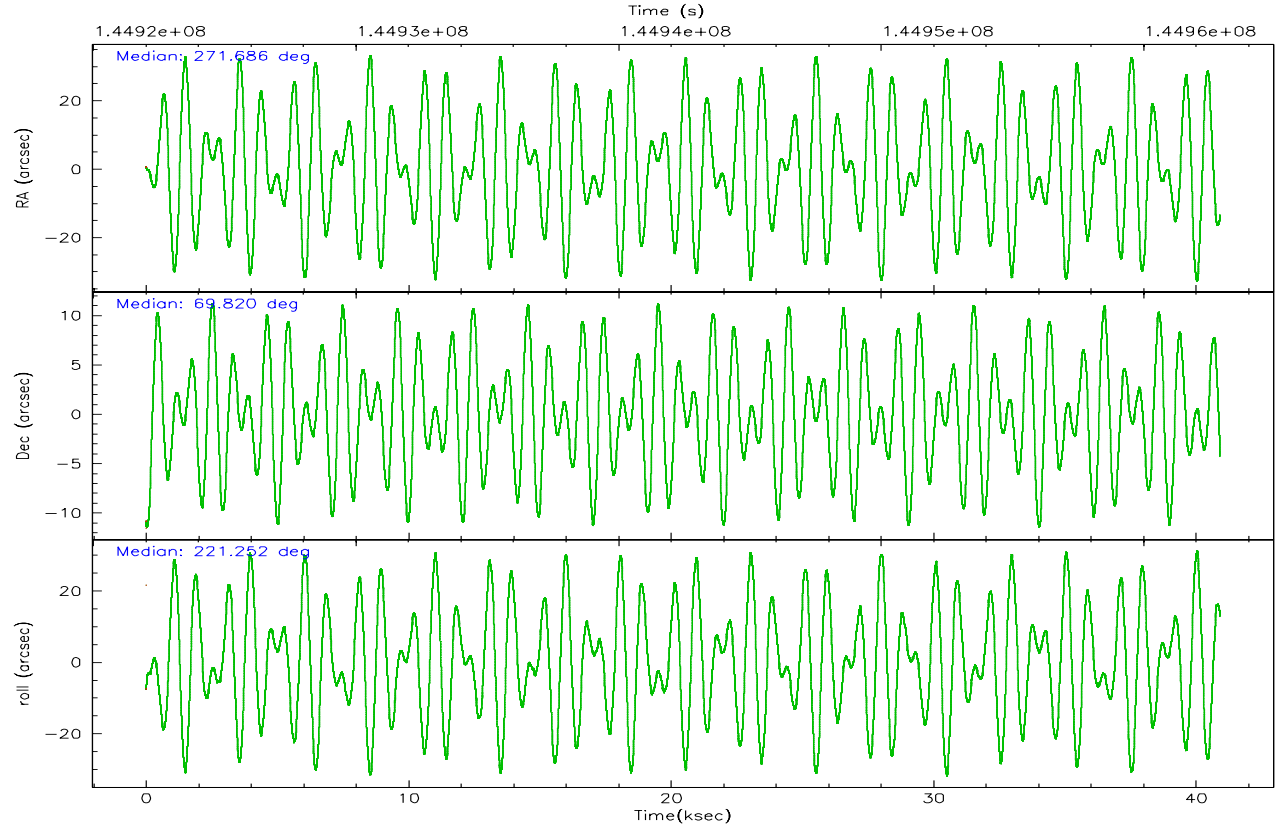
	ccd 7
grade 0 events	8478
	12%
grade 1 events	134
	0%
grade 2 events	10208
	15%
grade 3 events	4575
	6%
grade 4 events	4425
	6%
grade 5 events	3451
	5%
grade 6 events	14360
	21%
grade 7 events	20751
	31%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	271.711211	271.686785366539	Subarray requested	1/8	1/8
Pointing Dec	69.845356	69.81947373222866	Subarray start row	0	449
Pointing Roll	221.078595	221.2581566020336	Subarray row count	1024	128
Roll angle	215.000000	215.000000	Alternating exposures requested	N	N
Roll tolerance	69.000000	69.000000	Primary exposure time	0.000000	0.4
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	144922917.184000	144921589.55939			
Observation start date	2002-08-05T08:20:53	2002-08-05T07:59:49			
Observation end time	144962917.184000	144963660.17362			
Observation end date	2002-08-05T19:27:33	2002-08-05T19:41:00			
Read mode	TIMED	TIMED			

2.3 Aspect



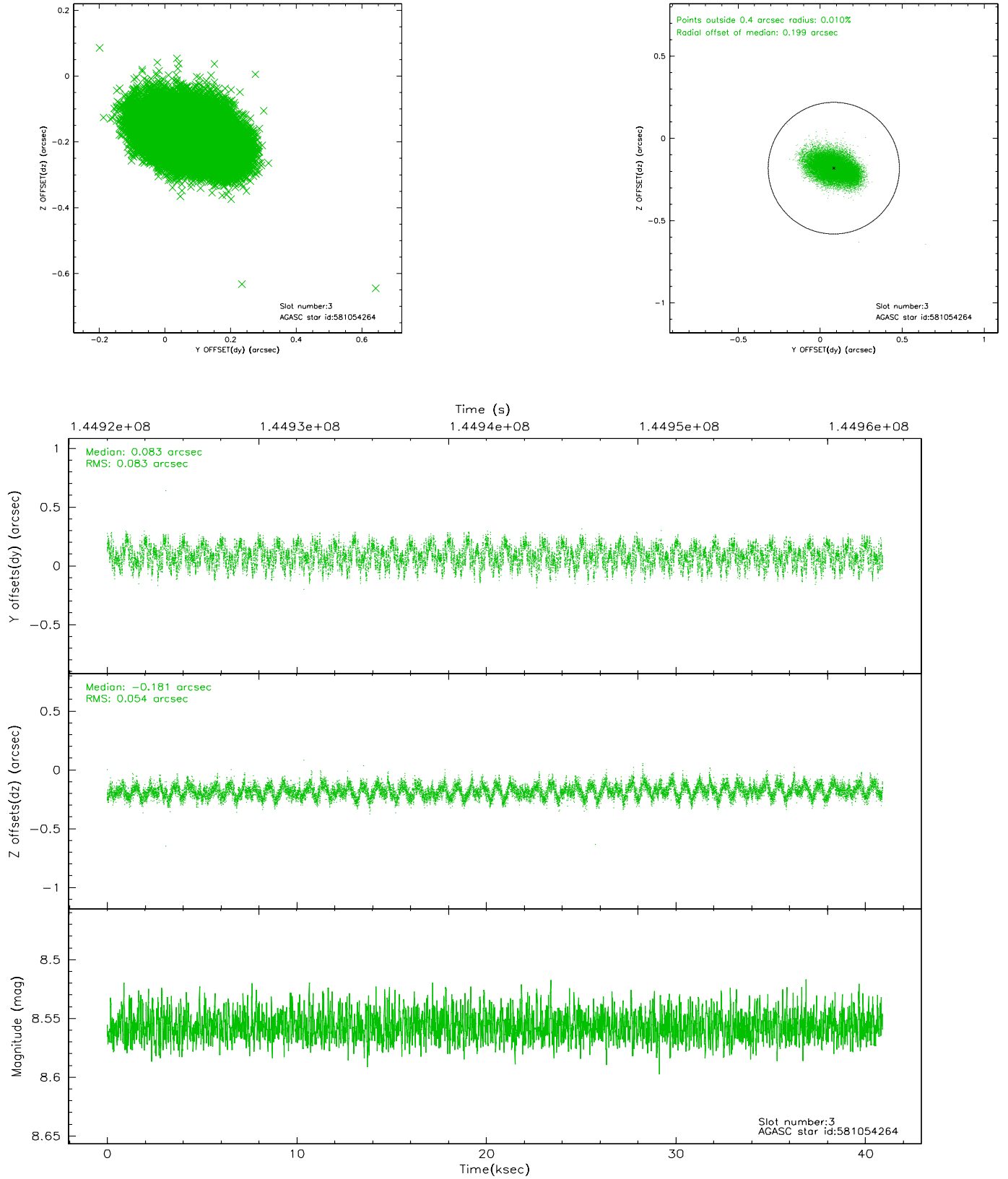


Slot Statistics

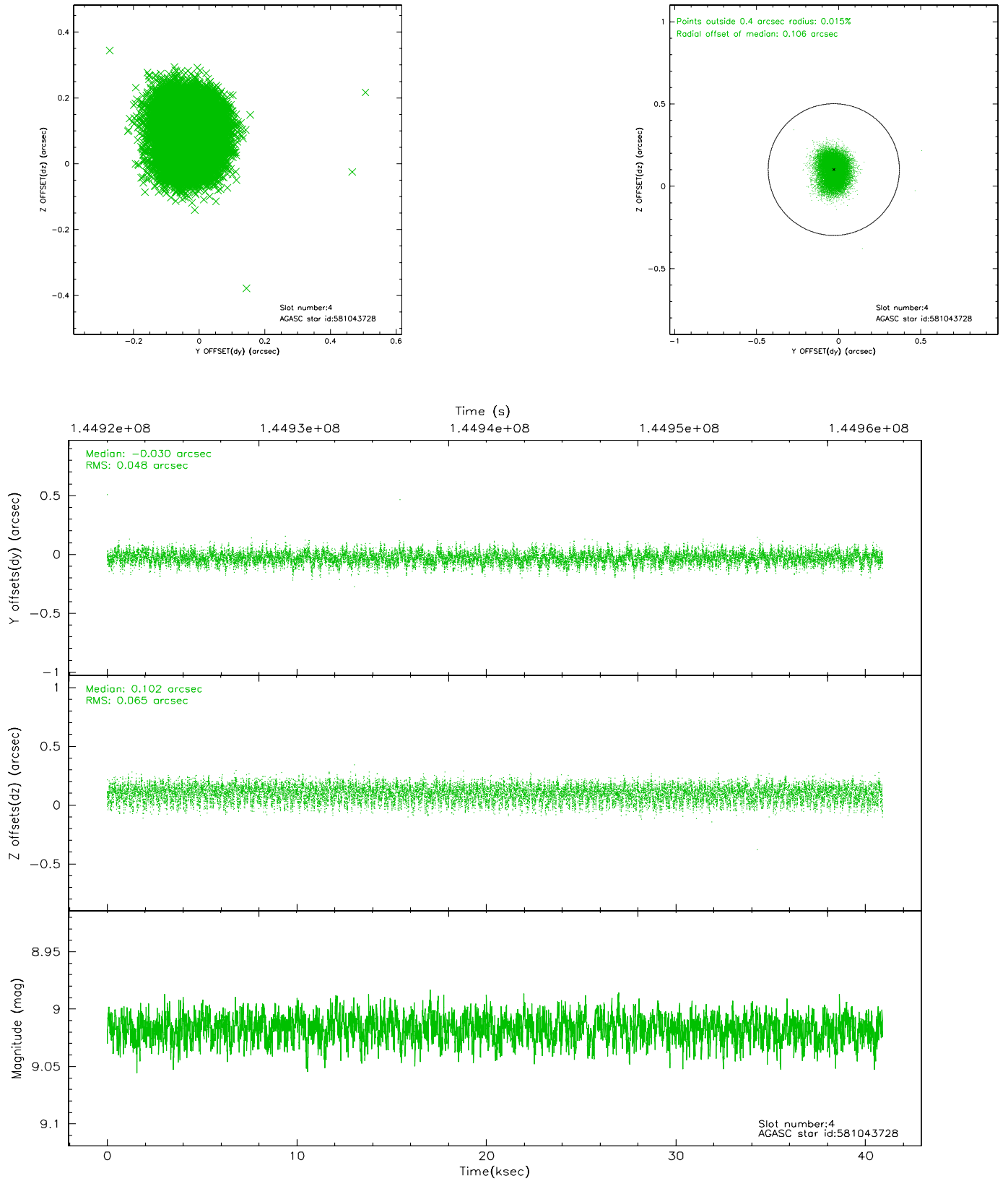
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9982	-0.001	0.028	0.008	0.014	0.000000	0.000000	-755.05	-1728.80
1	FID	ACIS-S-4	7.20	9982	-0.077	-0.007	0.005	0.010	0.000000	0.000000	2158.17	179.61
2	FID	ACIS-S-5	7.24	9981	0.047	-0.012	0.008	0.013	0.000000	0.000000	-1807.81	173.32
3	GUIDE	581054264	8.56	19958	0.083	-0.181	0.108	0.169	274.169642	69.709637	-2032.23	2338.75
4	GUIDE	581043728	9.02	19959	-0.030	0.102	0.087	0.137	271.628136	70.656913	-1844.71	-2266.27
5	GUIDE	581046272	8.98	19955	-0.024	0.050	0.092	0.150	270.458712	70.238027	210.56	-2077.87
6	GUIDE	581049688	9.13	19949	0.003	0.031	0.077	0.125	270.210496	70.112394	739.37	-1947.96
7	GUIDE	580532760	9.02	19955	-0.034	0.005	0.076	0.122	271.207670	69.013167	2456.50	1831.19

2.4 Star Slots

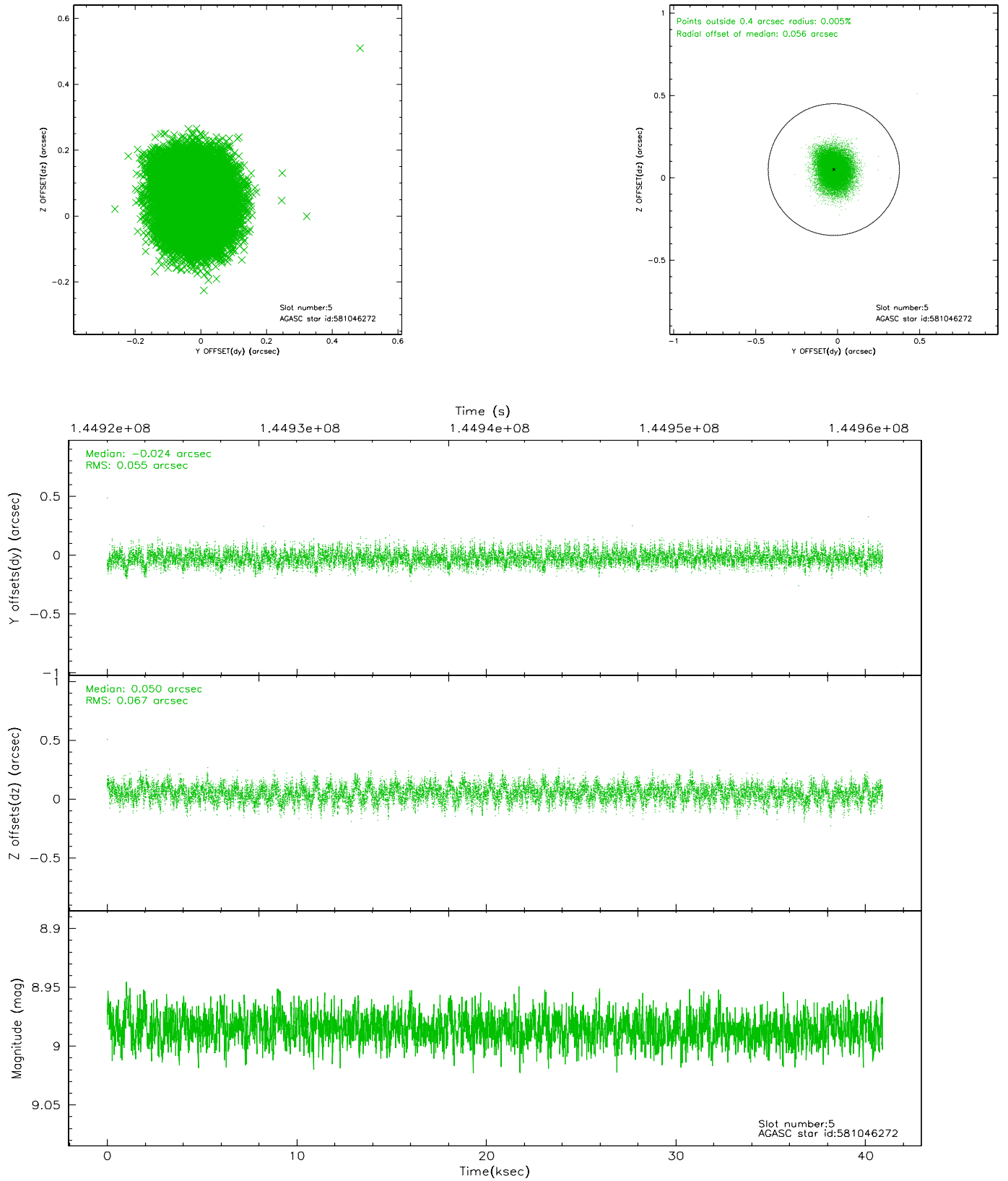
2.4.1 Slot 3



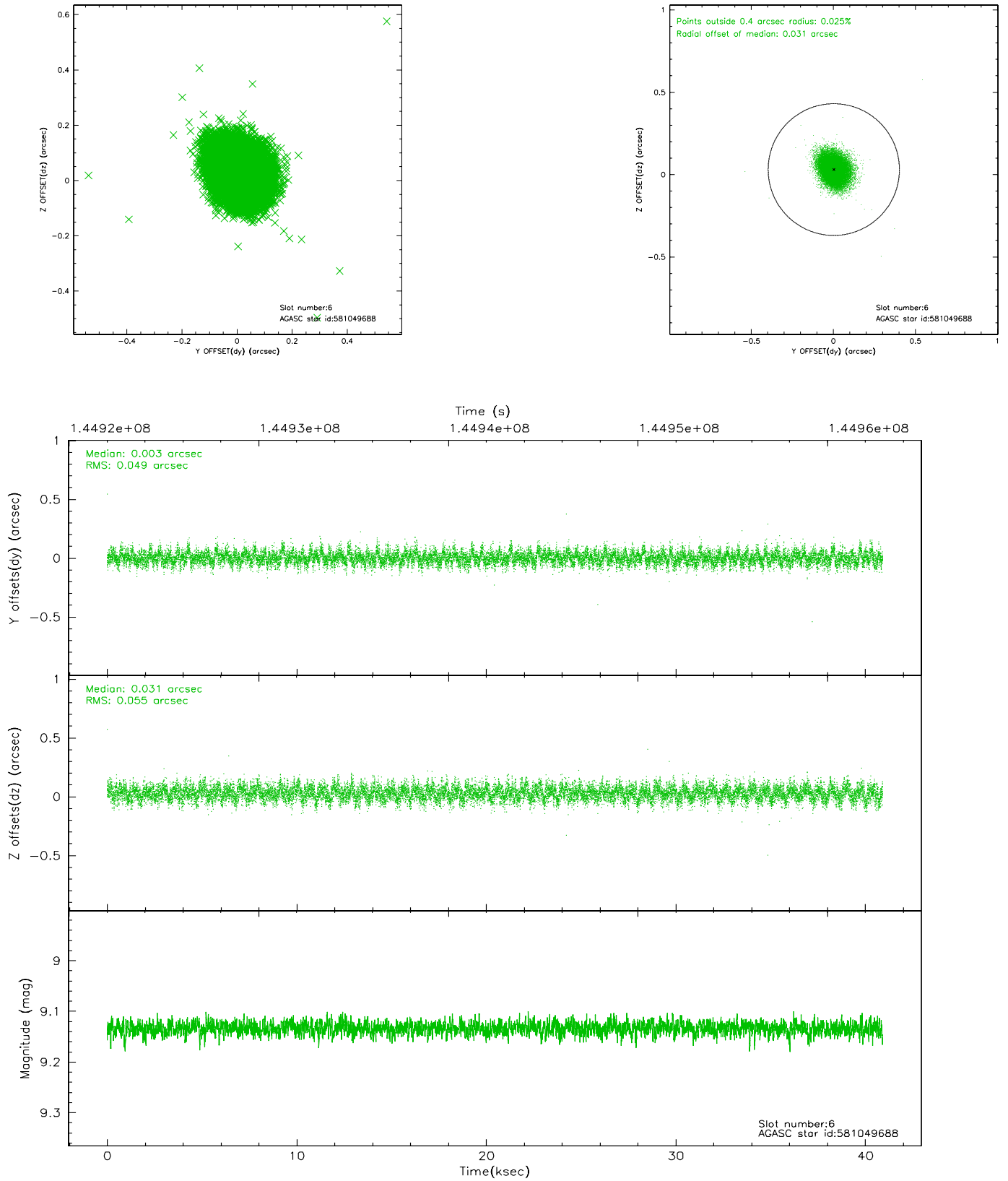
2.4.2 Slot 4



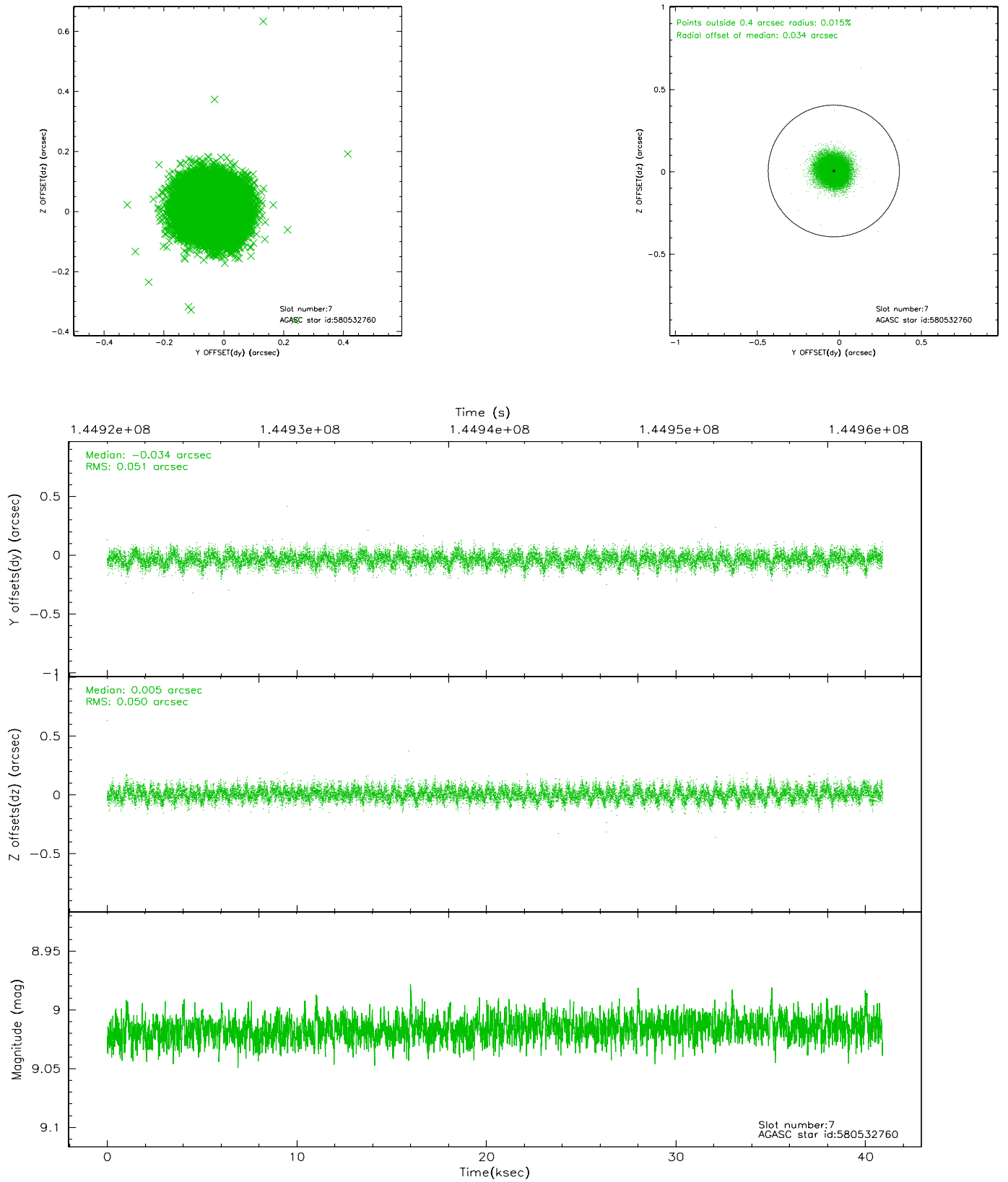
2.4.3 Slot 5



2.4.4 Slot 6

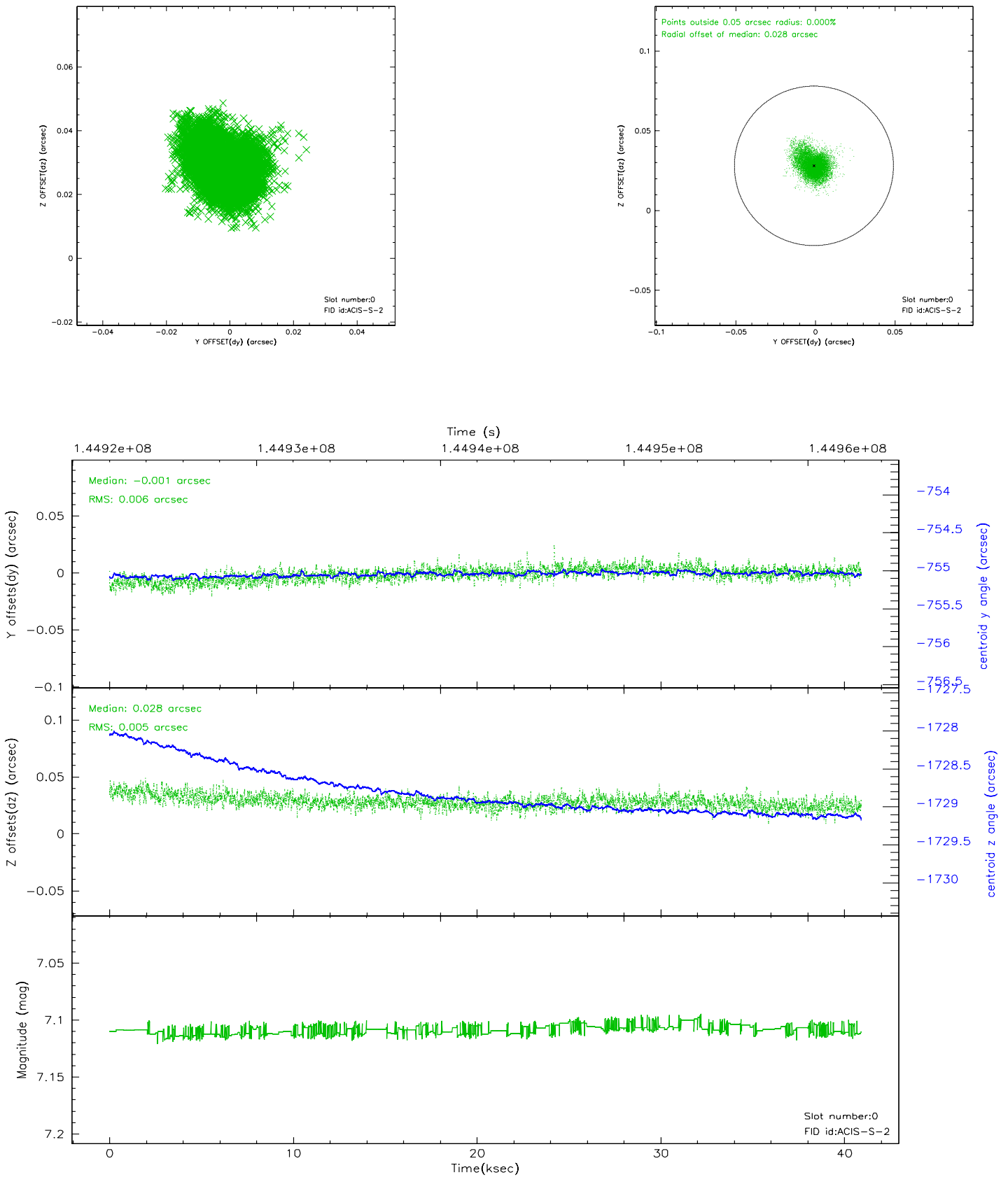


2.4.5 Slot 7

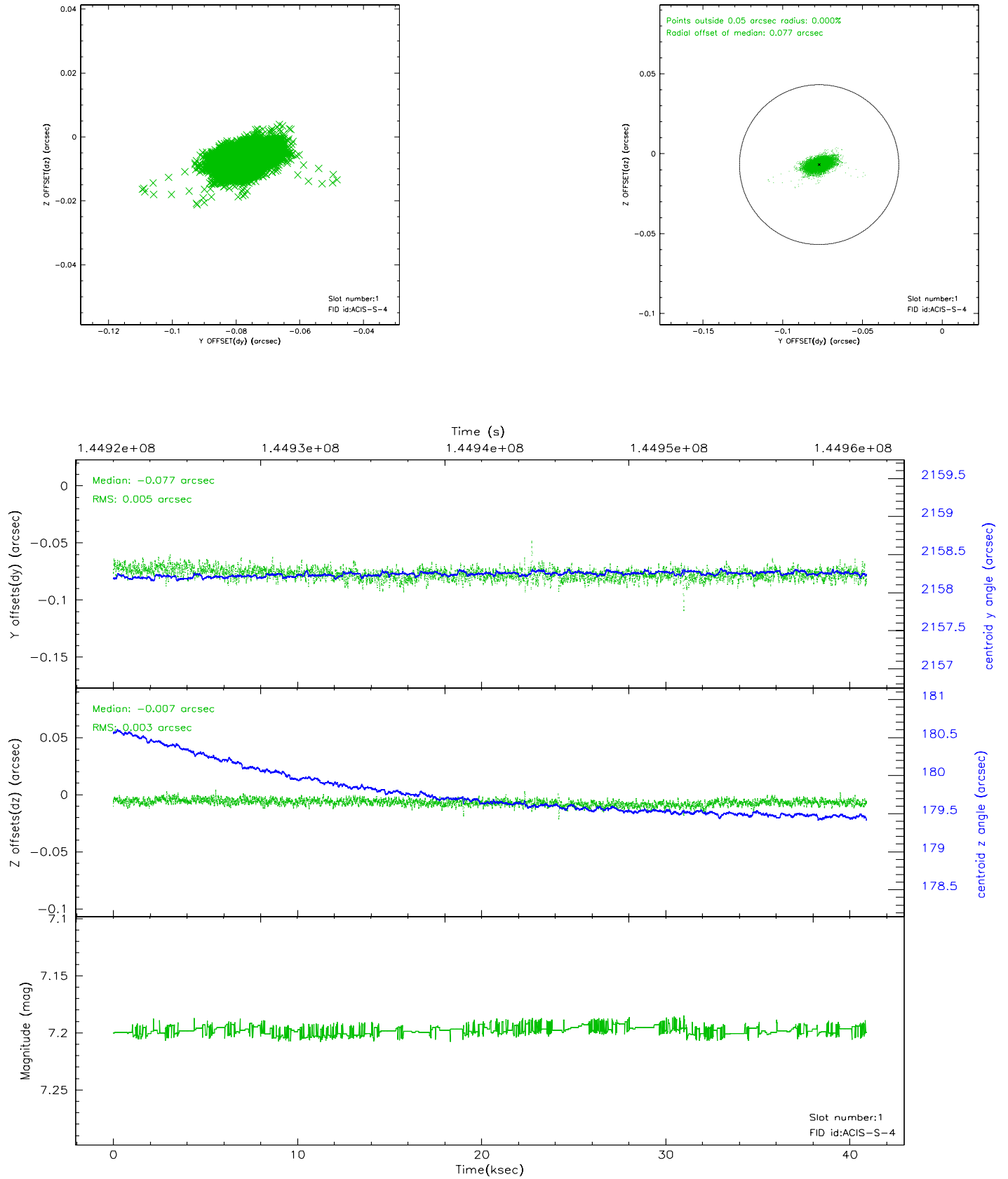


2.5 FID Slots

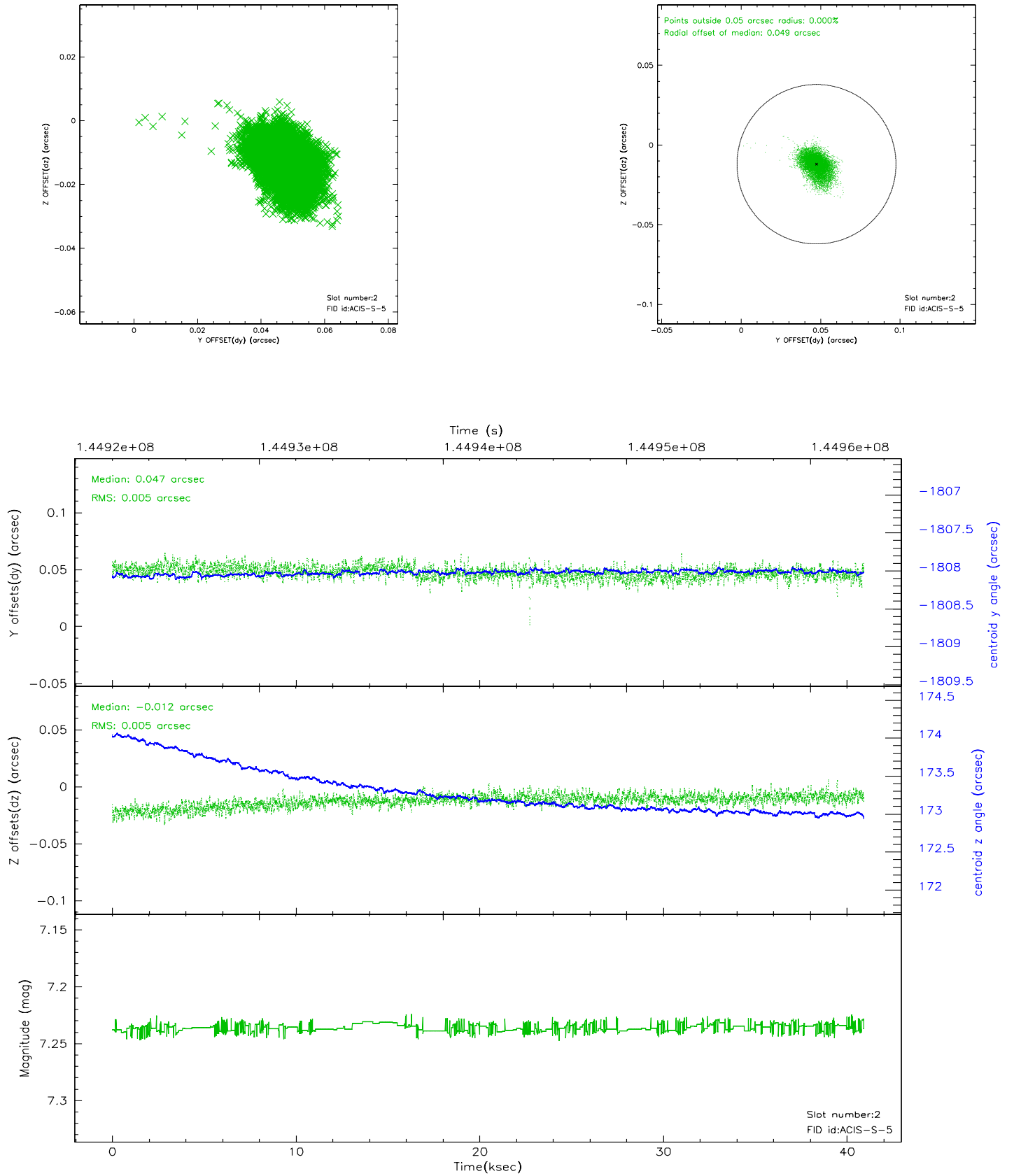
2.5.1 Slot 0



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)	2006.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.858

A.2 Comments

Roll constraint met.