

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3860 - L2 Version 001
Chandra X-Ray Center

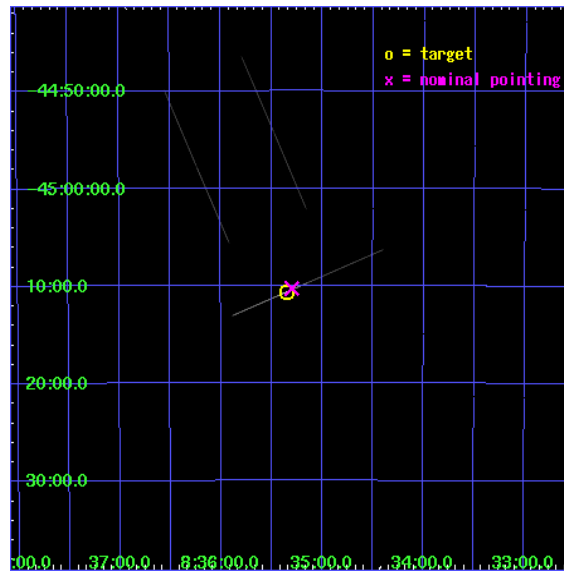
L2 Processing Date : Jul 11 2006

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1 Front

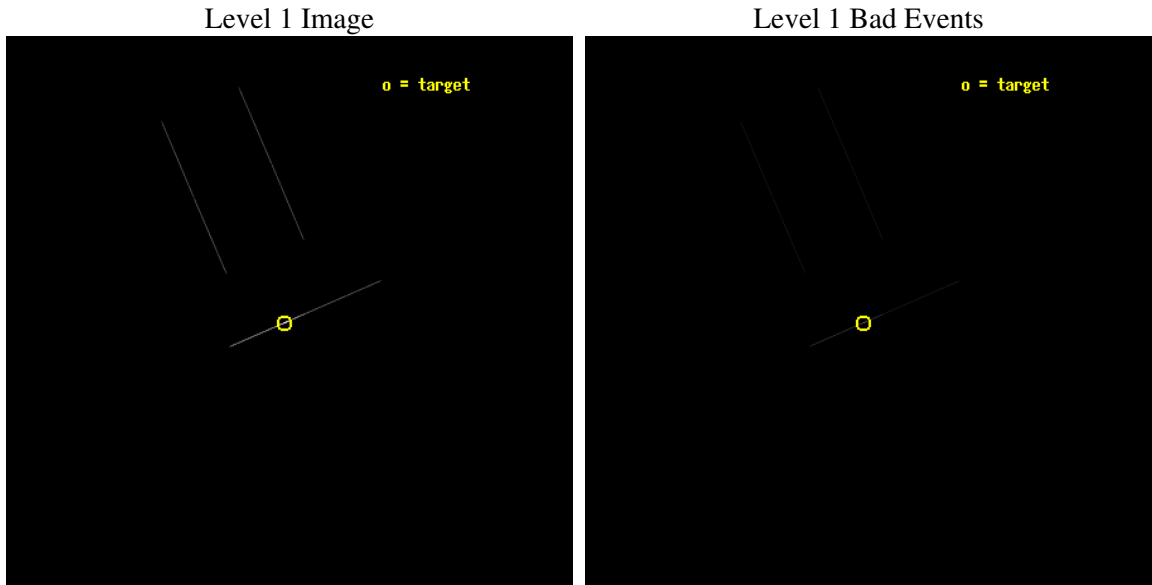
seq_num	500339
obs_id	3860
title	PHASE RESOLVED SPECTROSCOPY OF THE VELA PULSAR
observer	Dr. George Pavlov
object	VELA PULSAR
ra_targ	128.83625
dec_targ	-45.176583
ra_nom	128.8247699736
dec_nom	-45.171244952865
roll_nom	156.64848888308
revision	2
ontime	38707.539951831
livetime	38556.338623894
ontime0	38707.540416181
ontime1	38707.541298181
ontime2	38707.540411532
ontime3	38707.541274041
ontime6	38707.539952189
ontime7	38707.539951831
l2events	1136390



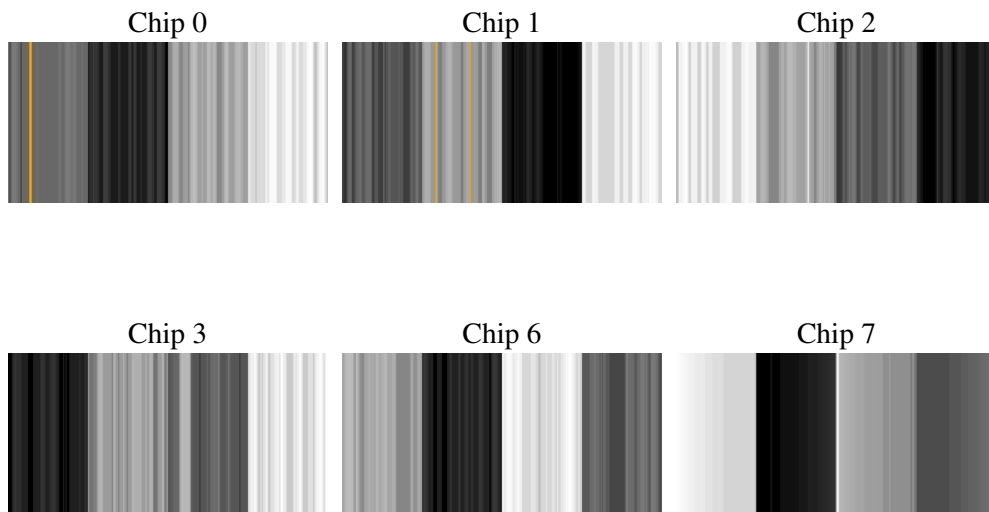
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-11T11:20:54
revision	2

sched_exp_time	38000.000000
ontime	39060.798794478
ontime0	39060.835637152
ontime1	39062.3046754
ontime2	39062.293600857
ontime3	39062.305144548
ontime6	39062.258880705
ontime7	39060.798794478
l1events	1269249

2.1.4 Events

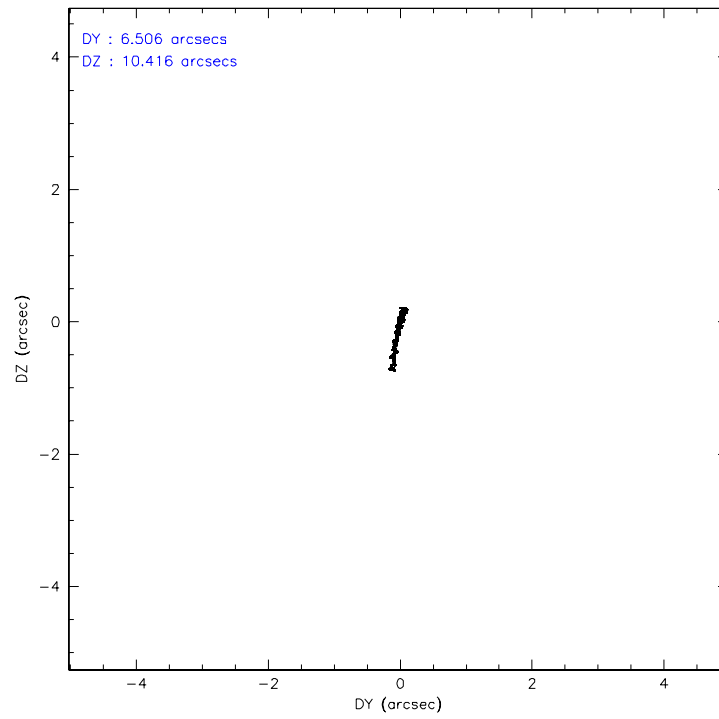
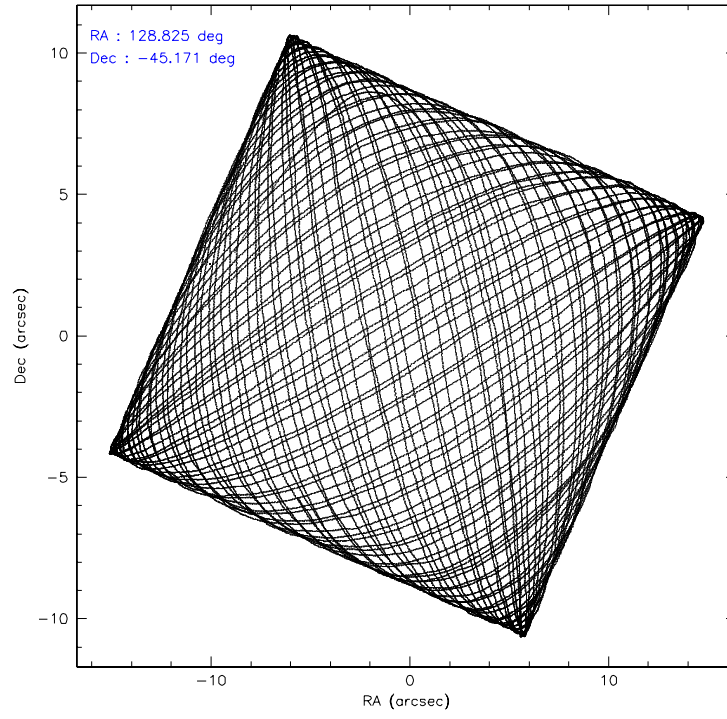
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	67048	72098	69420	79123	93114	888446
rejected events	9375	10141	9300	10170	11179	33776
rejected %	13%	14%	13%	12%	12%	3%

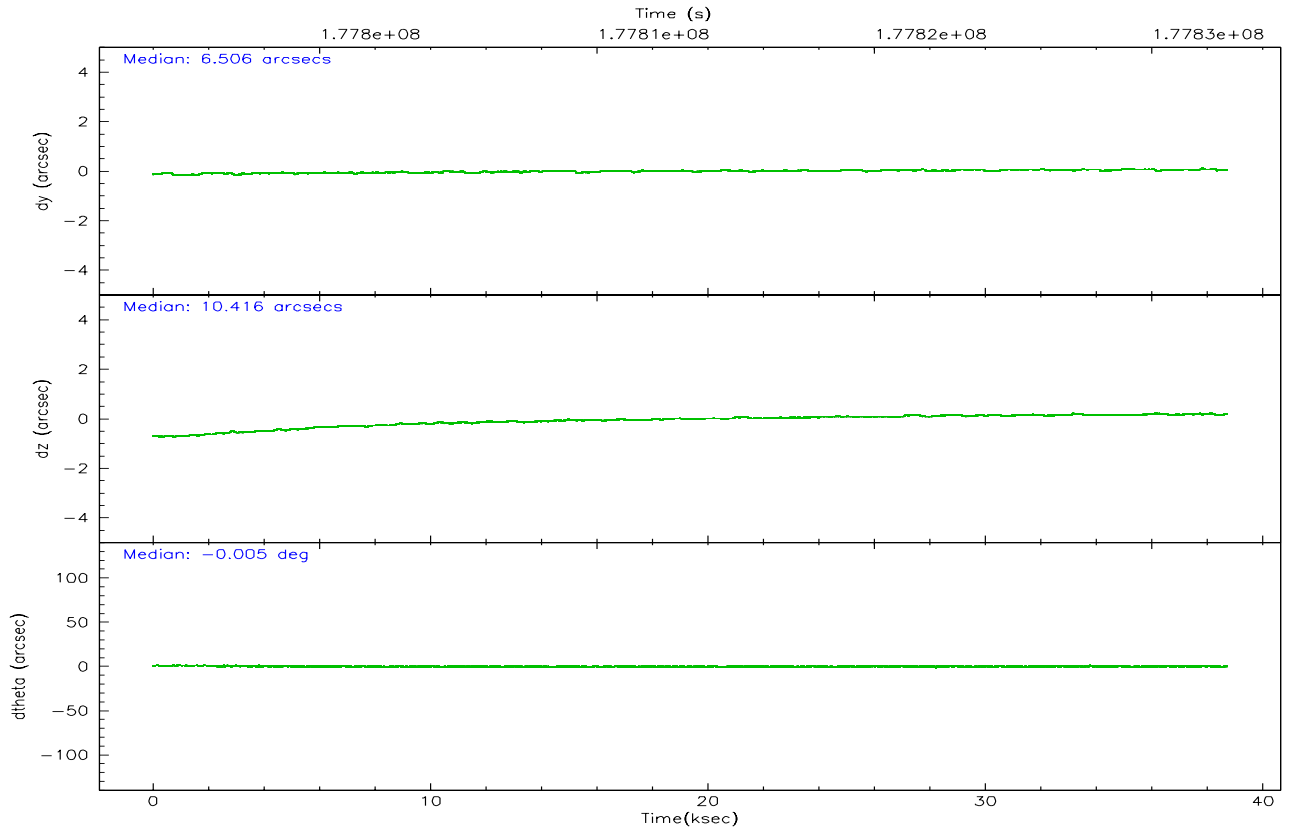
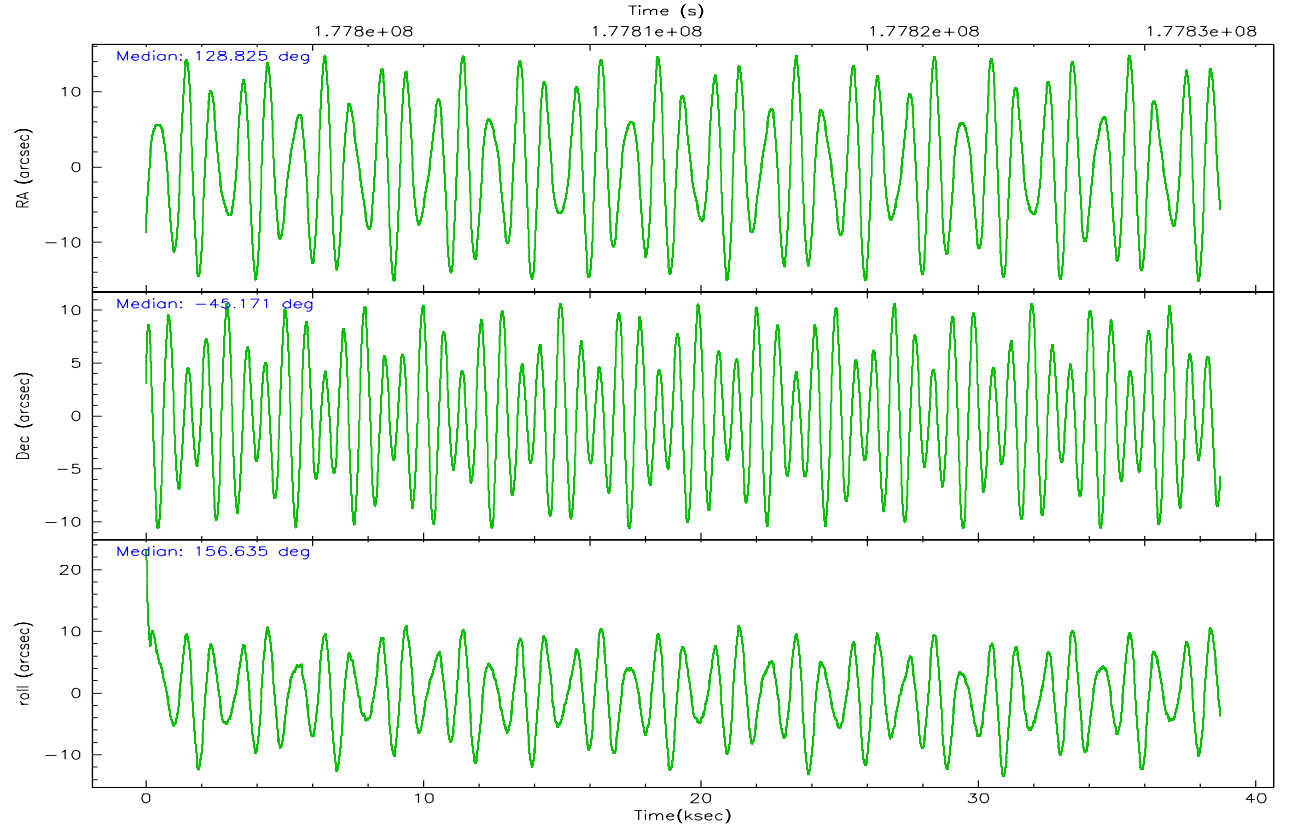
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	11100	12639	11822	12944	16067	265089
	16%	17%	17%	16%	17%	29%
grade 1 events	190	191	187	213	210	855
	0%	0%	0%	0%	0%	0%
grade 2 events	26662	29275	29559	34274	43543	226929
	39%	40%	42%	43%	46%	25%
grade 3 events	5670	5050	5199	6597	5748	82074
	8%	7%	7%	8%	6%	9%
grade 4 events	5315	4948	5353	5560	5410	78746
	7%	6%	7%	7%	5%	8%
grade 5 events	8651	9421	8617	9411	10402	28708
	12%	13%	12%	11%	11%	3%
grade 6 events	9460	10574	8683	10124	11734	206045
	14%	14%	12%	12%	12%	23%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	128.863023	128.8247699735964	Alternating exposures requested	N	N
Pointing Dec	-45.167710	-45.17124495286463	Primary exposure time	0.000000	0
Pointing Roll	156.518987	156.6484888830803			
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	177794717.184000	177793491.10157			
Observation start date	2003-08-20T19:24:13	2003-08-20T19:04:51			
Observation end time	177832717.184000	177832851.61575			
Observation end date	2003-08-21T05:57:33	2003-08-21T06:00:51			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



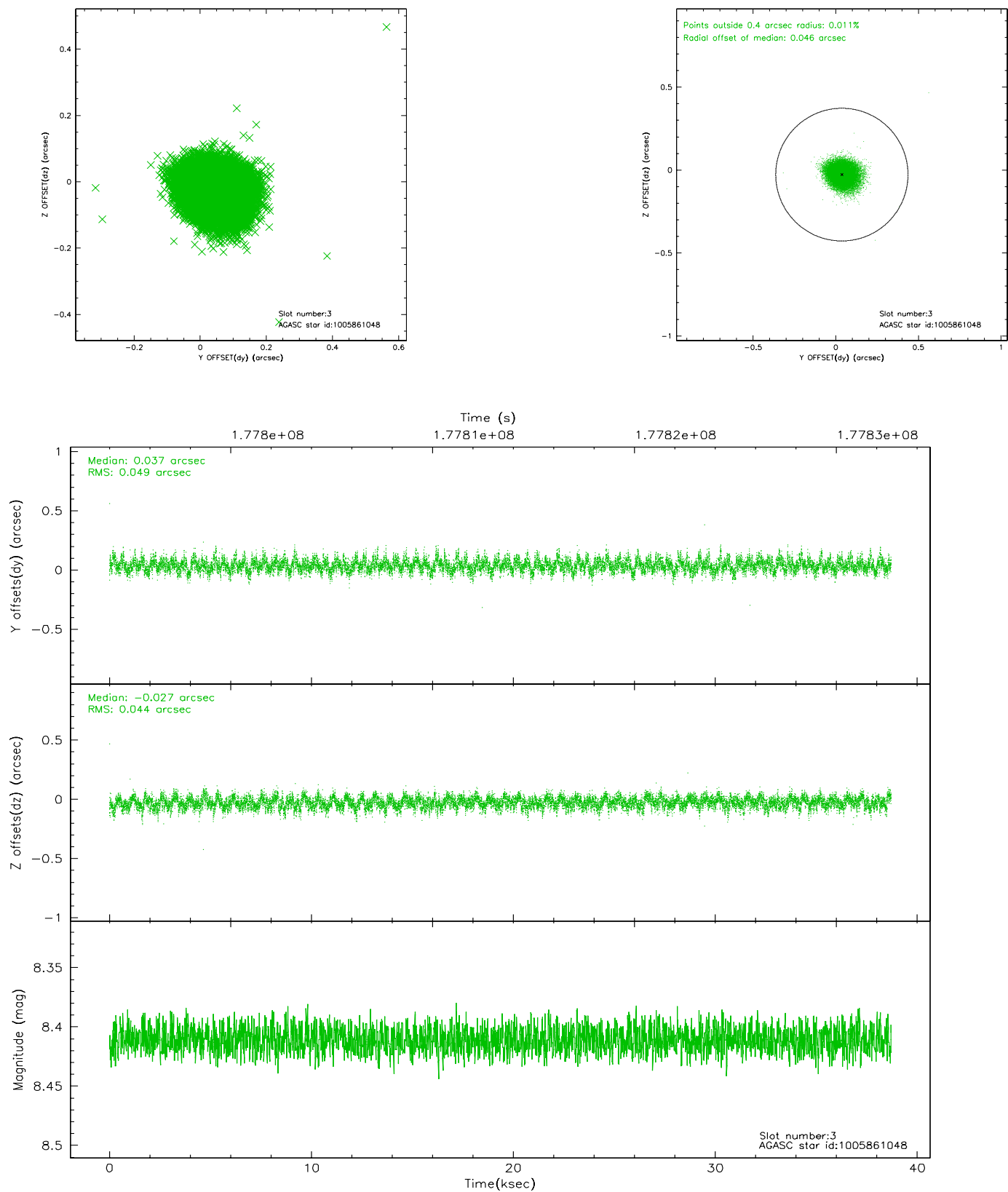


Slot Statistics

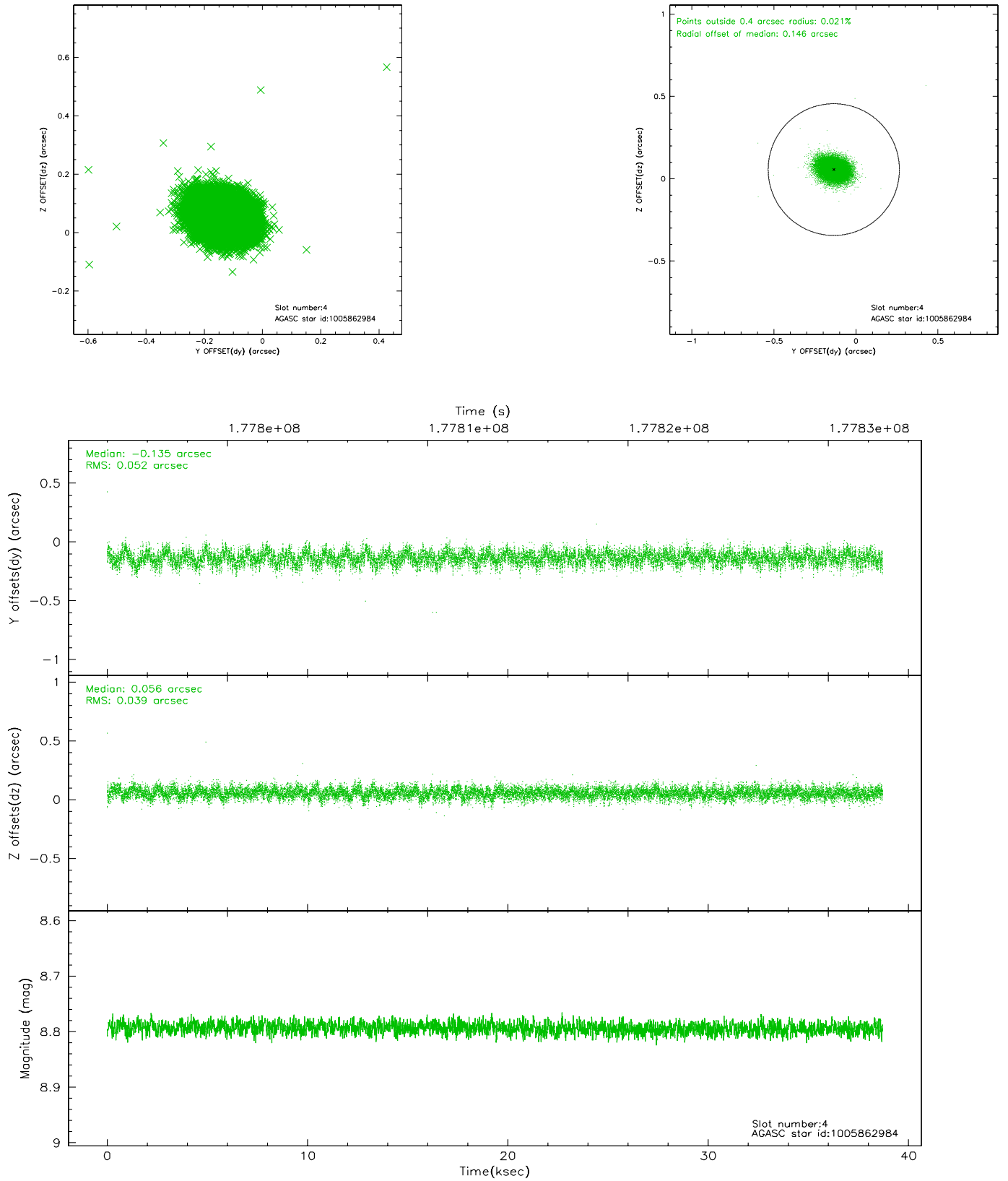
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	9443	-0.021	-0.011	0.012	0.025	0.000000	0.000000	936.77	-1727.23
1	FID	ACIS-S-4	7.20	9442	0.010	0.021	0.009	0.018	0.000000	0.000000	2154.22	176.93
2	FID	ACIS-S-5	7.23	9442	-0.016	0.002	0.007	0.011	0.000000	0.000000	-1812.07	170.52
3	GUIDE	1005861048	8.41	18885	0.037	-0.027	0.069	0.113	128.669106	-44.528323	1374.18	-1912.15
4	GUIDE	1005862984	8.79	18879	-0.135	0.056	0.069	0.112	128.482680	-44.577316	1741.13	-1558.46
5	GUIDE	1005871096	9.00	18876	-0.057	0.027	0.074	0.120	128.774147	-44.764566	787.07	-1240.42
6	GUIDE	1005871784	8.01	18878	0.133	-0.018	0.072	0.113	128.533947	-44.544833	1668.05	-1718.48
7	GUIDE	1068263200	9.13	18869	0.020	-0.033	0.083	0.137	128.222628	-45.344390	1230.29	1234.97

2.4 Star Slots

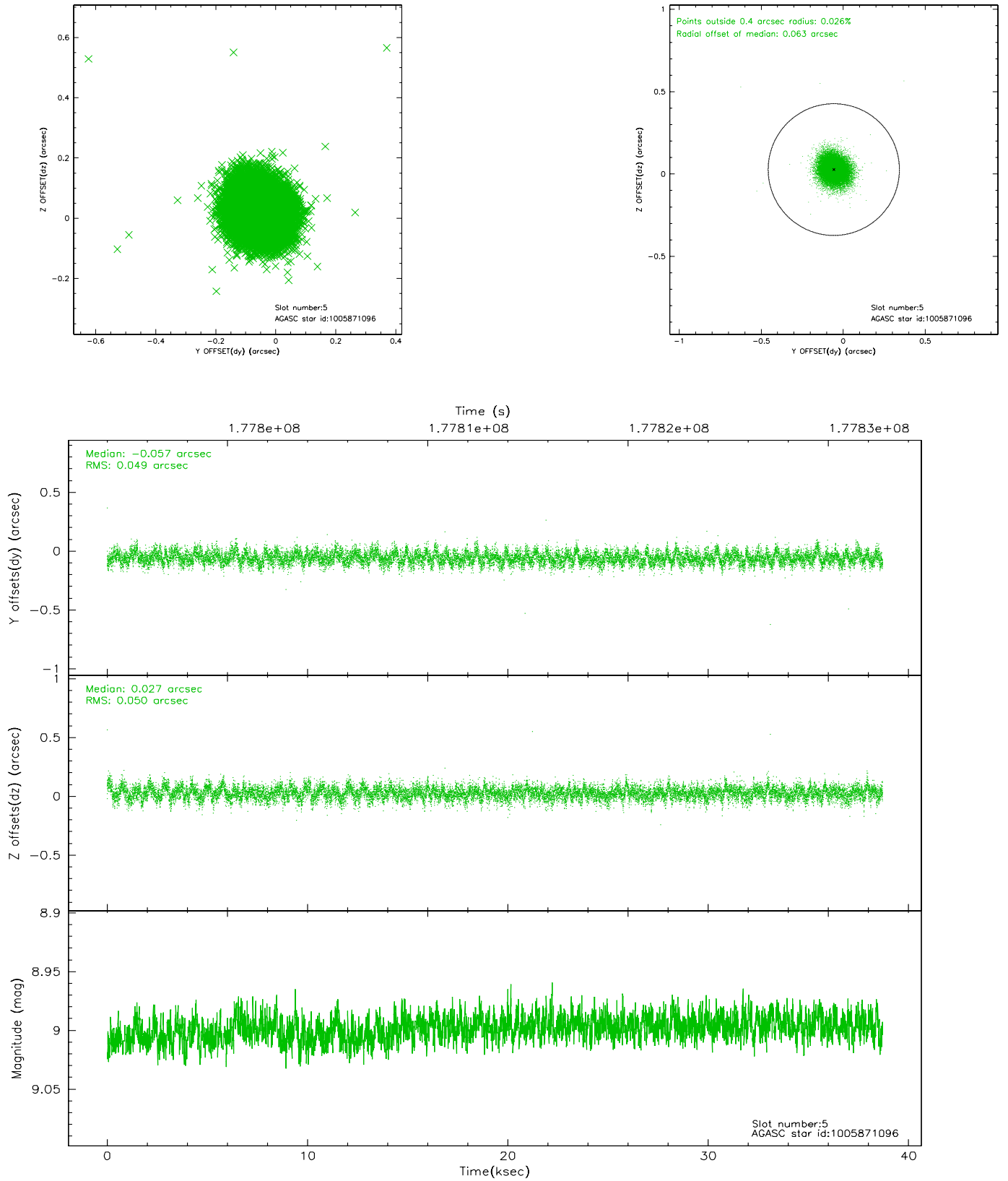
2.4.1 Slot 3



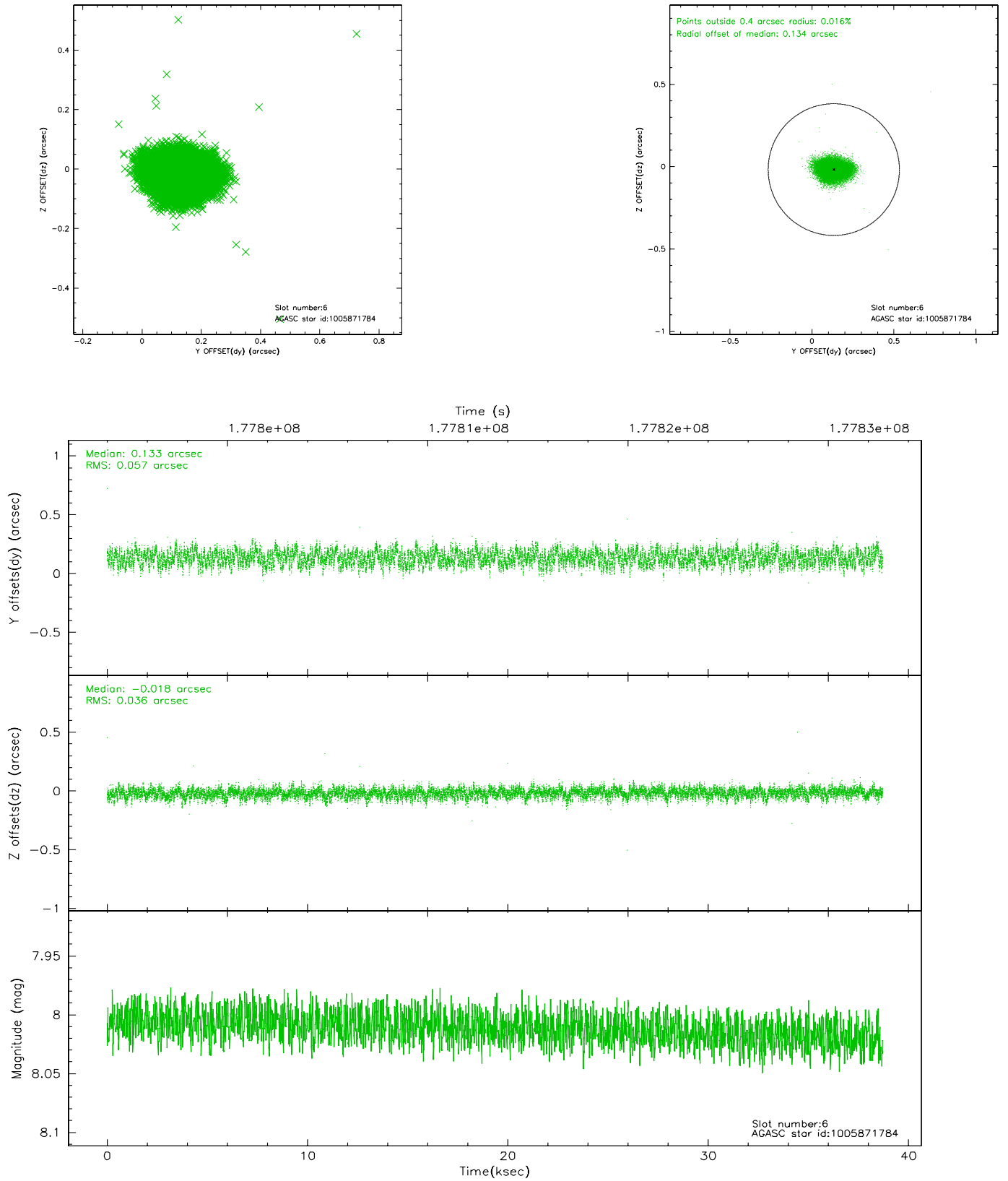
2.4.2 Slot 4



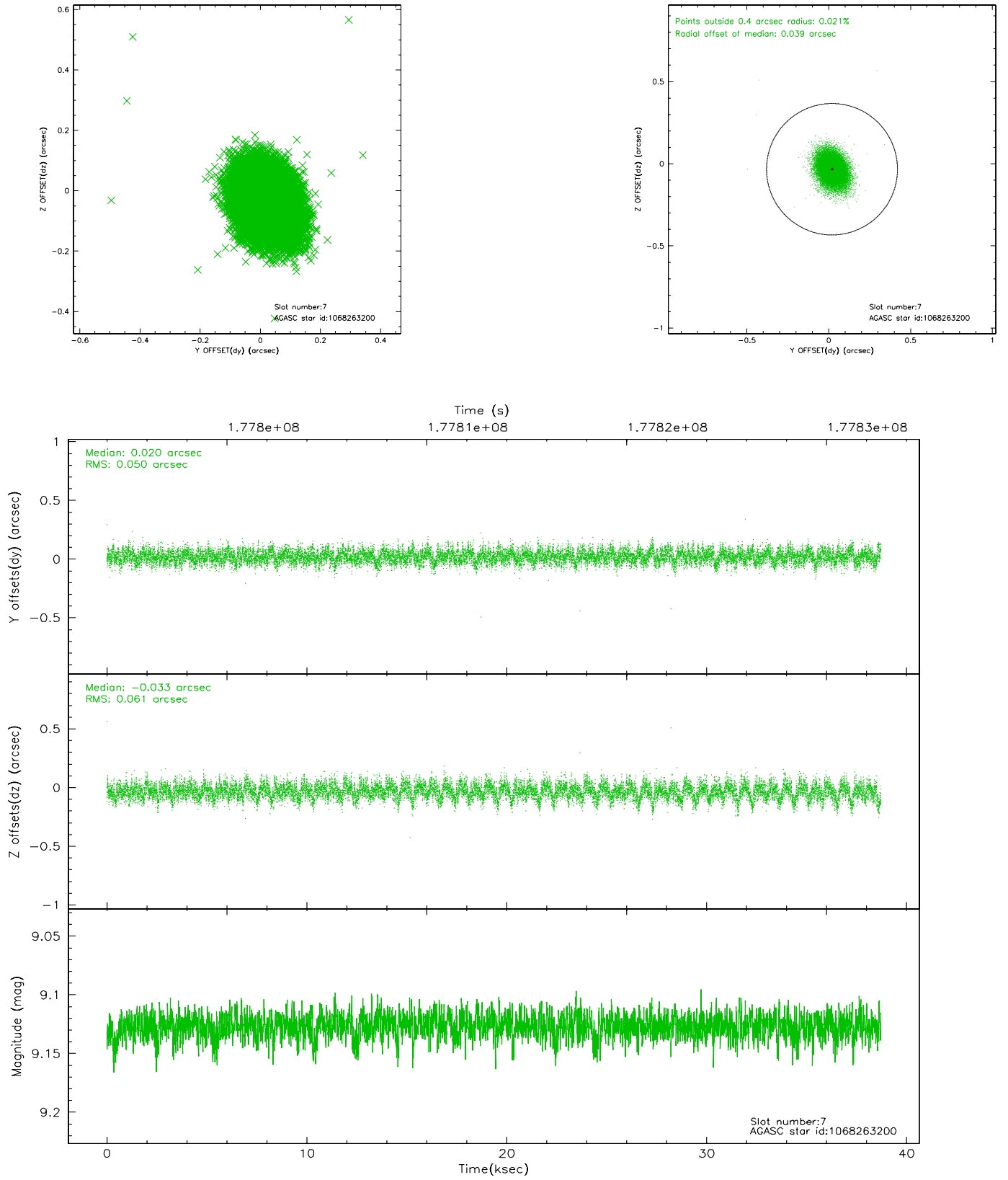
2.4.3 Slot 5



2.4.4 Slot 6

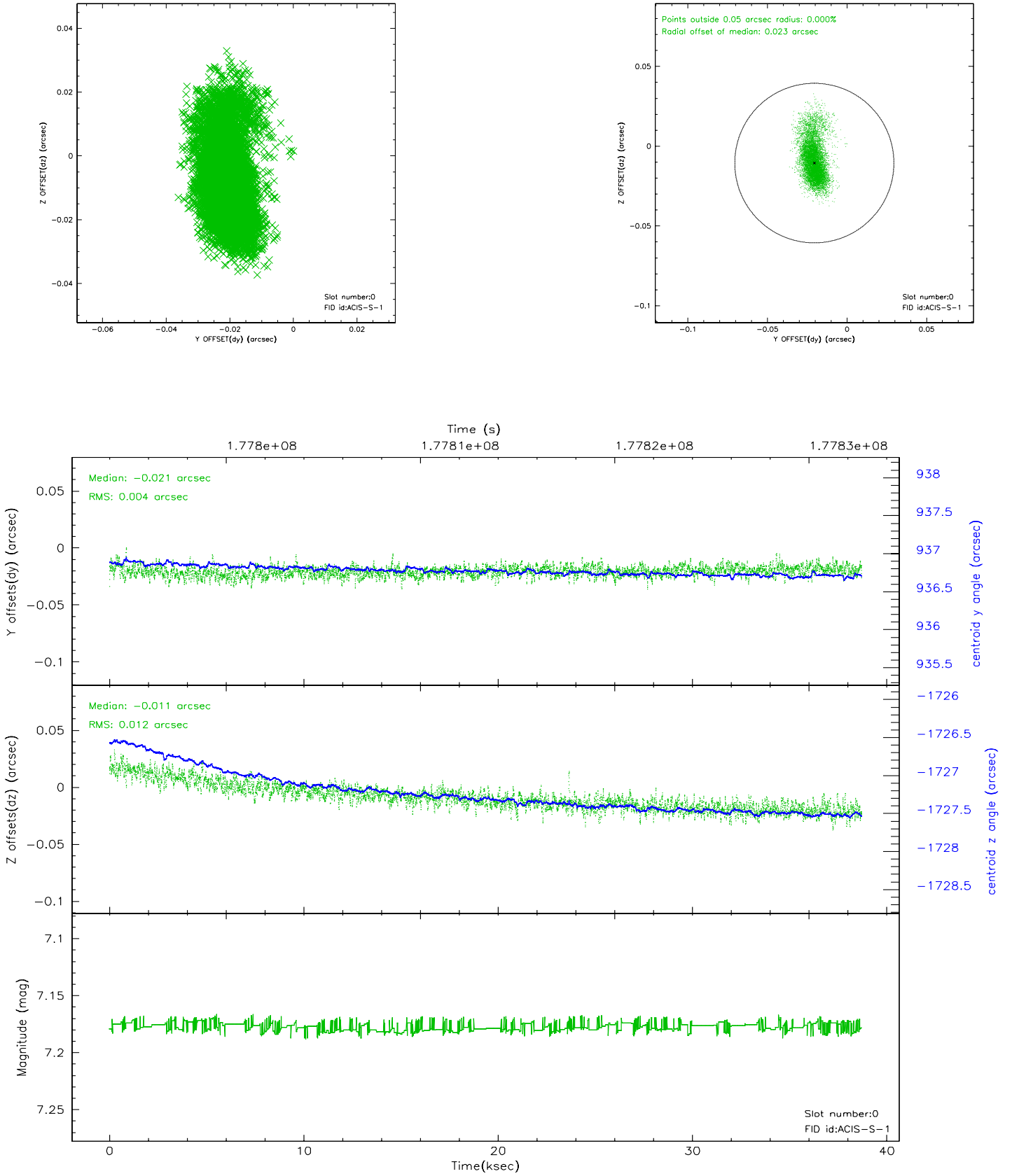


2.4.5 Slot 7

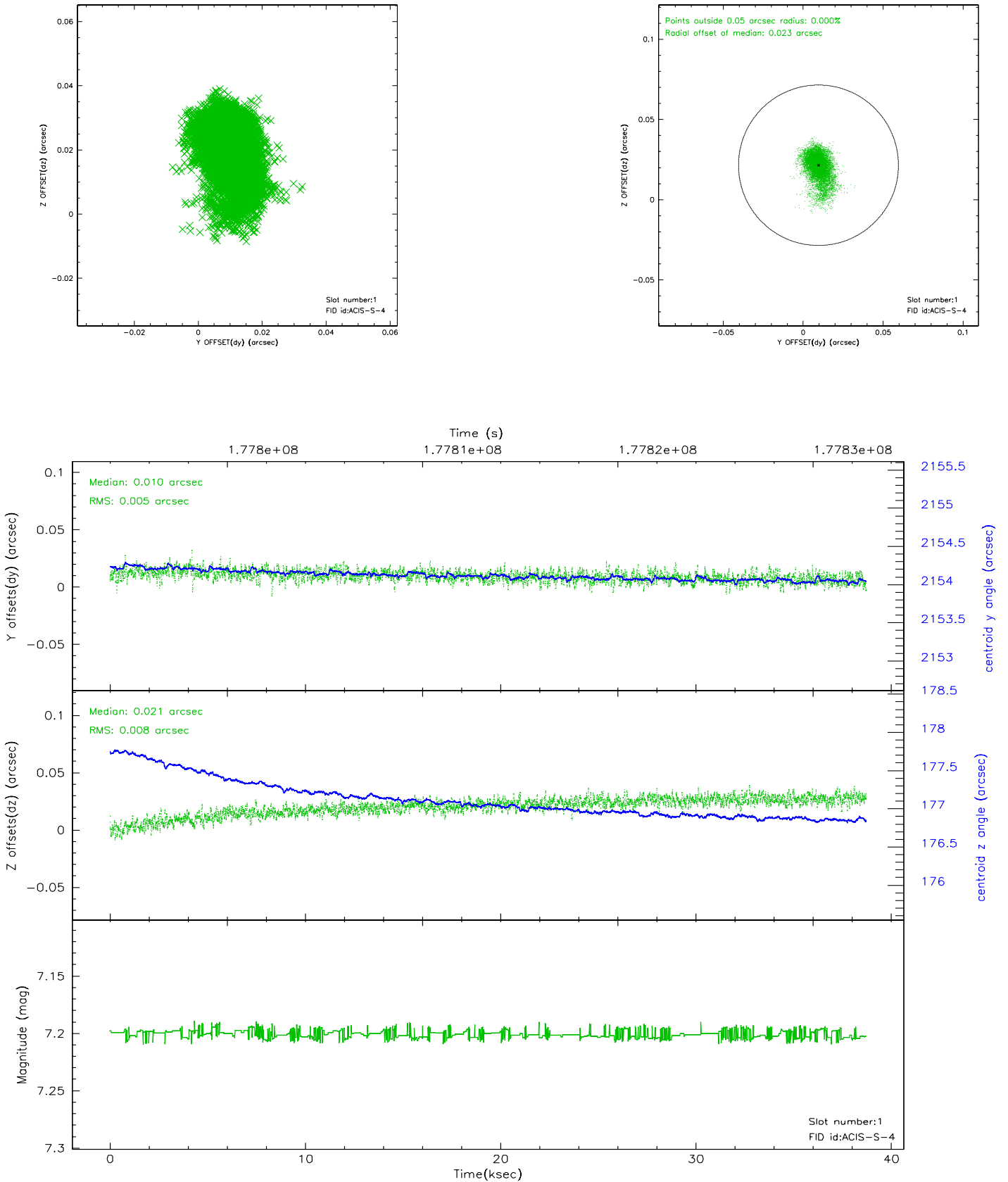


2.5 FID Slots

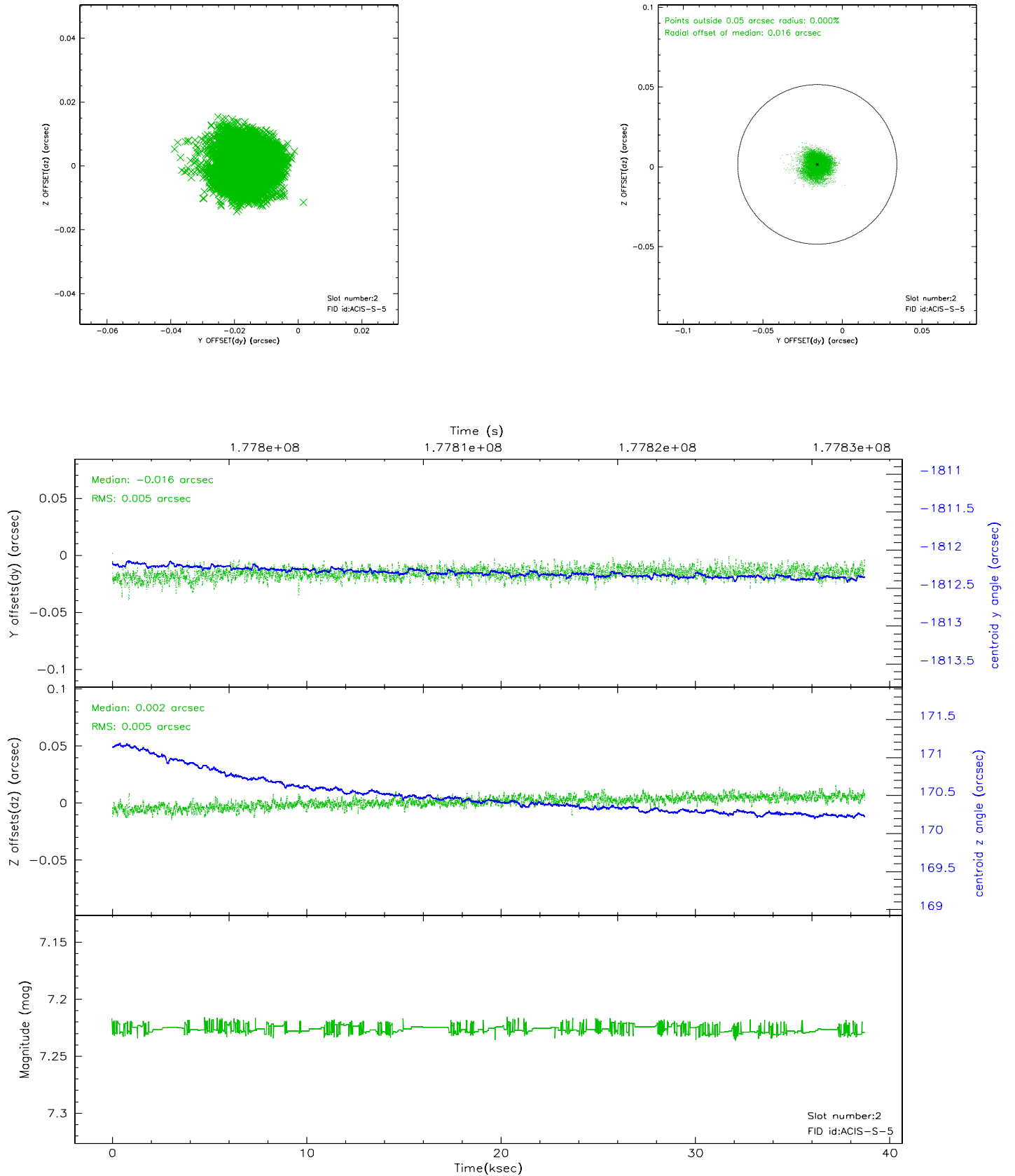
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.709

A.2 Comments