

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2817 - L2 Version 001
Chandra X-Ray Center

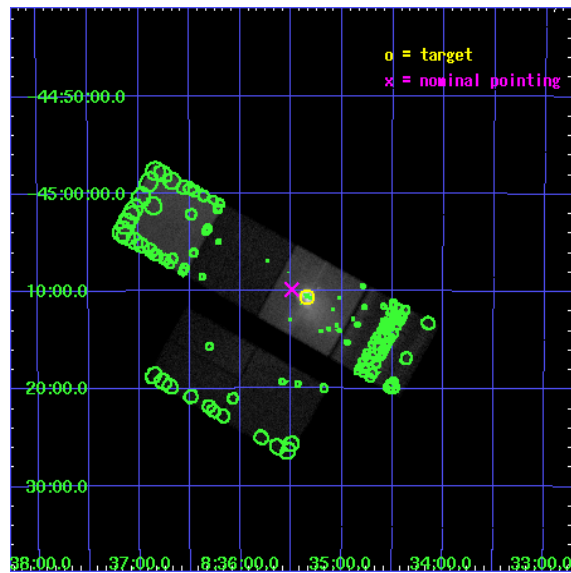
L2 Processing Date : Jan 16 2007

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1 Front

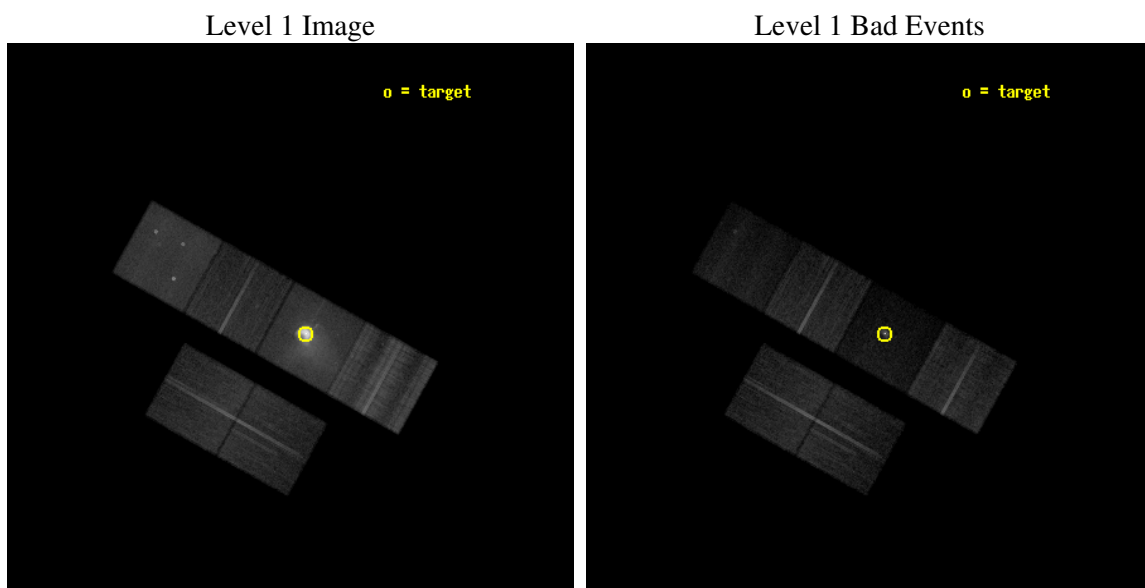
seq_num	500267
obs_id	2817
title	THE DYNAMICAL PULSAR-WIND NEBULA IN THE VELA SNR
observer	Dr. George Pavlov
object	VELA PWN
dtcycle	0
cycle	P
ra_targ	128.83625
dec_targ	-45.176667
ra_nom	128.87349803545
dec_nom	-45.164057669567
roll_nom	29.156819416842
revision	2
ontime	19180.800017864
livetime	18937.921178746
ontime2	19180.800017864
ontime3	19180.800017864
ontime5	19180.800017864
ontime6	19177.559027687
ontime7	19180.800017864
ontime8	19180.800017864
l2events	665443



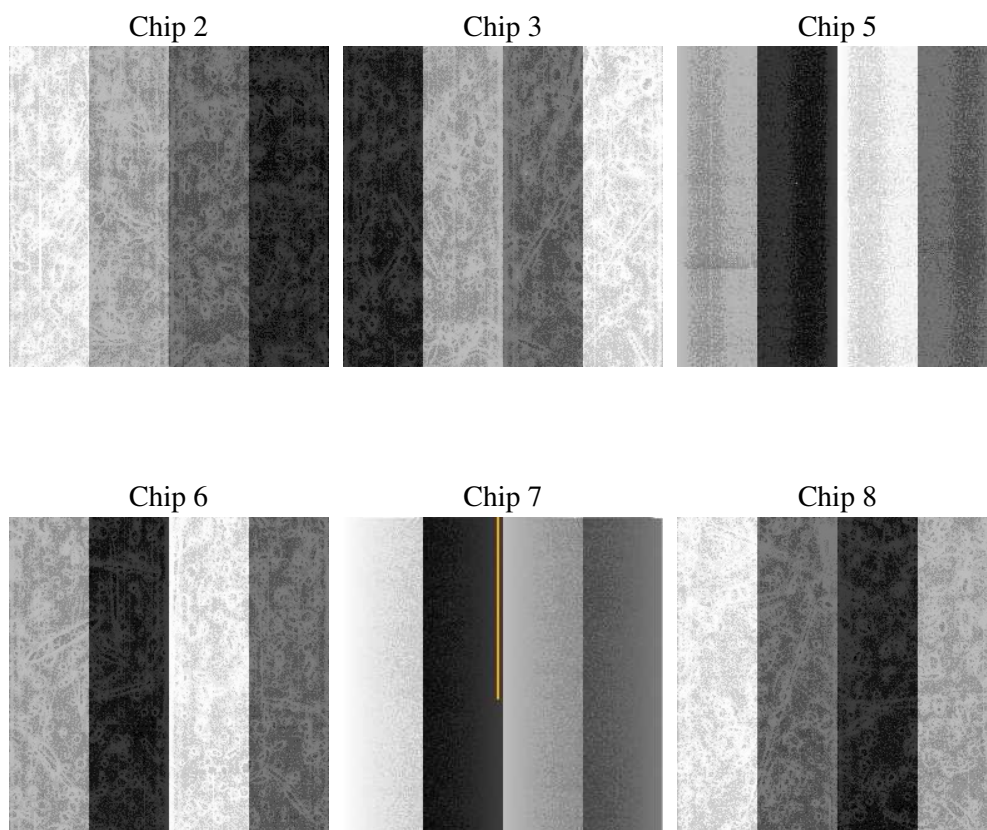
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-17T02:24:07
revision	2

sched_exp_time	19000.000000
ontime	19180.800017864
ontime2	19180.800017864
ontime3	19180.800017864
ontime5	19180.800017864
ontime6	19177.559027687
ontime7	19180.800017864
ontime8	19180.800017864
l1events	1367219

2.1.4 Events

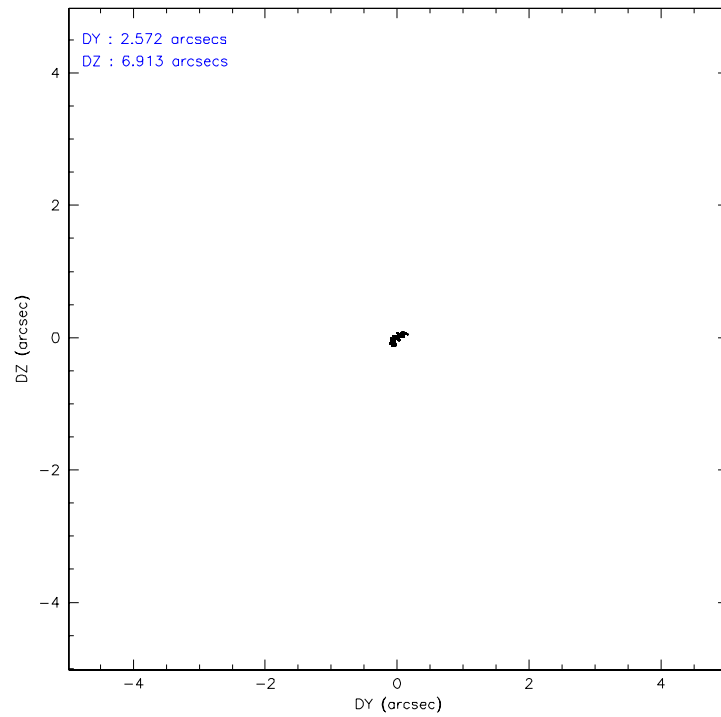
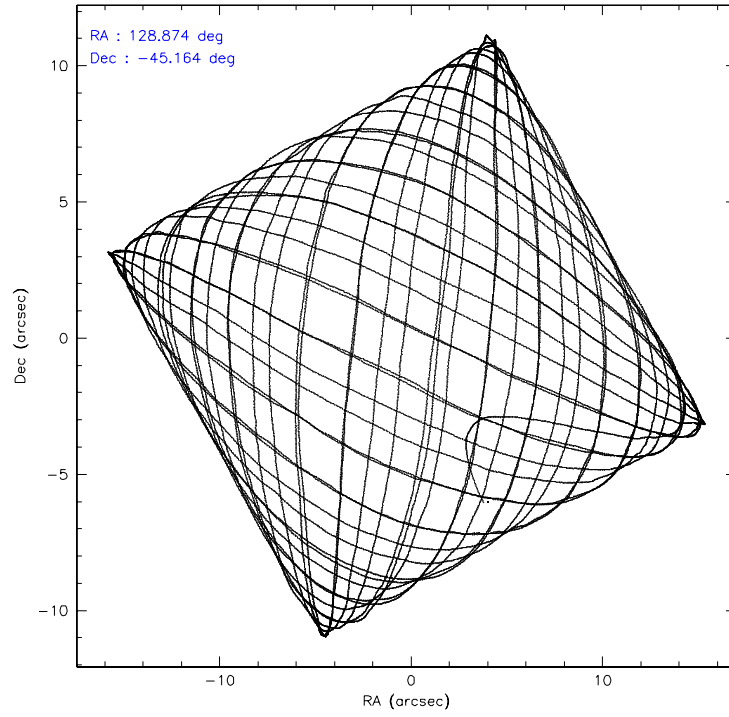
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	161170	145318	209641	152964	437978	260148
rejected events	126282	111562	67073	117092	62607	129910
rejected %	78%	76%	31%	76%	14%	49%

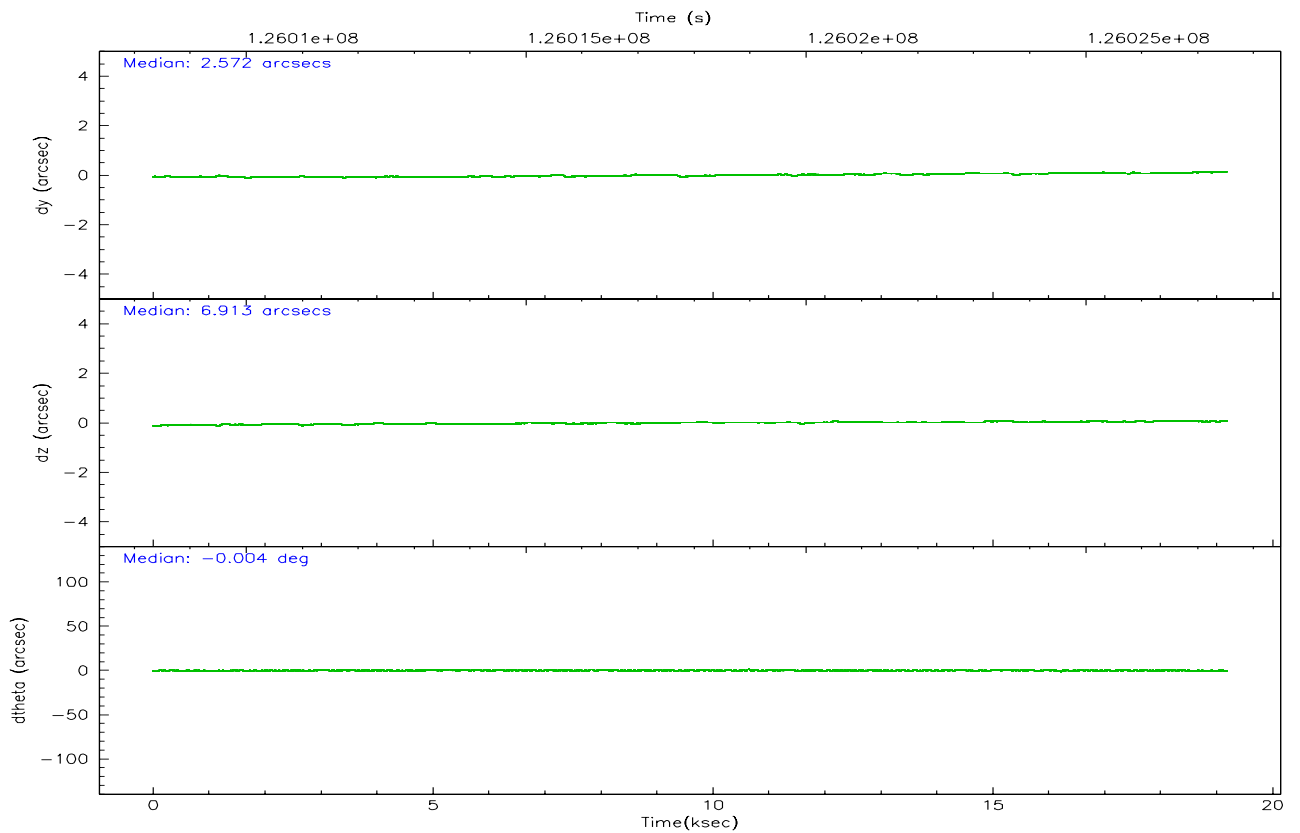
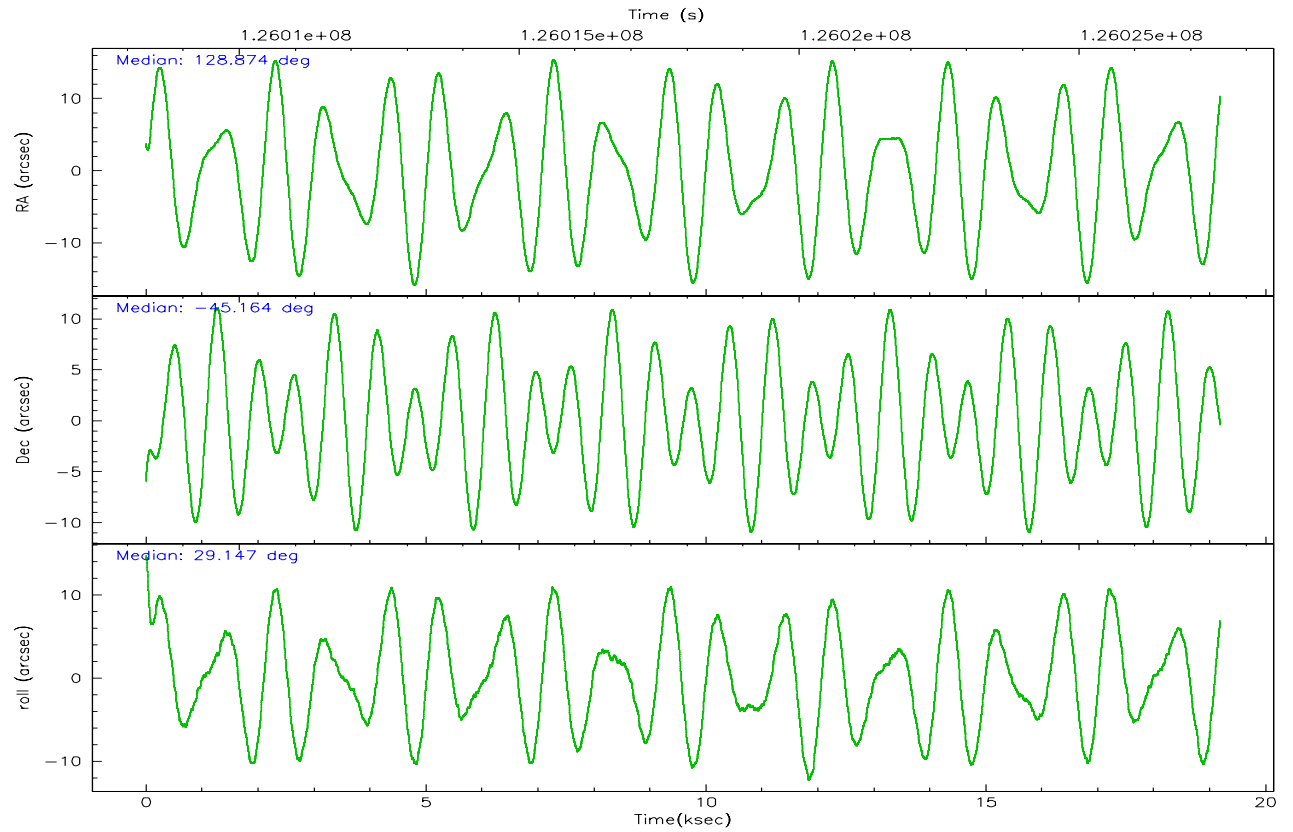
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	24385	24526	47183	26156	117188	56358
	15%	16%	22%	17%	26%	21%
grade 1 events	167	137	362	155	801	372
	0%	0%	0%	0%	0%	0%
grade 2 events	5515	4211	37852	4969	94193	17928
	3%	2%	18%	3%	21%	6%
grade 3 events	1550	1690	9579	1654	41445	19116
	0%	1%	4%	1%	9%	7%
grade 4 events	1869	1609	9383	1737	41335	16621
	1%	1%	4%	1%	9%	6%
grade 5 events	2814	3128	11290	3358	13406	5813
	1%	2%	5%	2%	3%	2%
grade 6 events	2417	2391	42413	2568	86072	24065
	1%	1%	20%	1%	19%	9%
grade 7 events	122453	107626	51579	112367	43538	119875
	75%	74%	24%	73%	9%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	128.854047	128.873498035445	Subarray requested	NONE	NONE
Pointing Dec	-45.187632	-45.16405766956746	Alternating exposures requested	N	N
Pointing Roll	28.986384	29.15681941684151	Primary exposure time	0.000000	3.2
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	126008526.184000	126007174.10287			
Observation start date	2001-12-29T10:21:02	2001-12-29T09:59:34			
Observation end time	126027526.184000	126028206.07872			
Observation end date	2001-12-29T15:37:42	2001-12-29T15:50:06			
Read mode	TIMED	TIMED			

2.3 Aspect



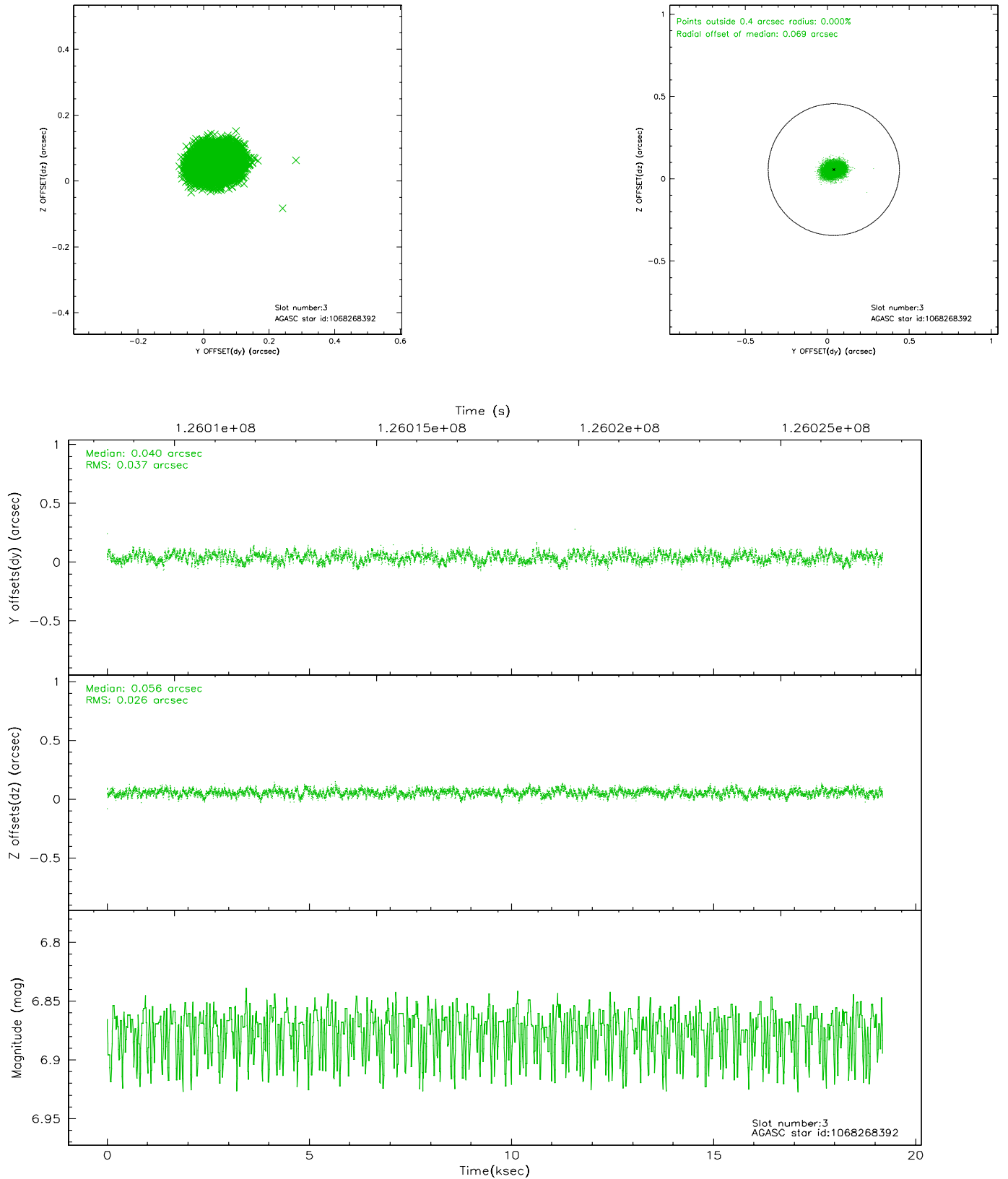


Slot Statistics

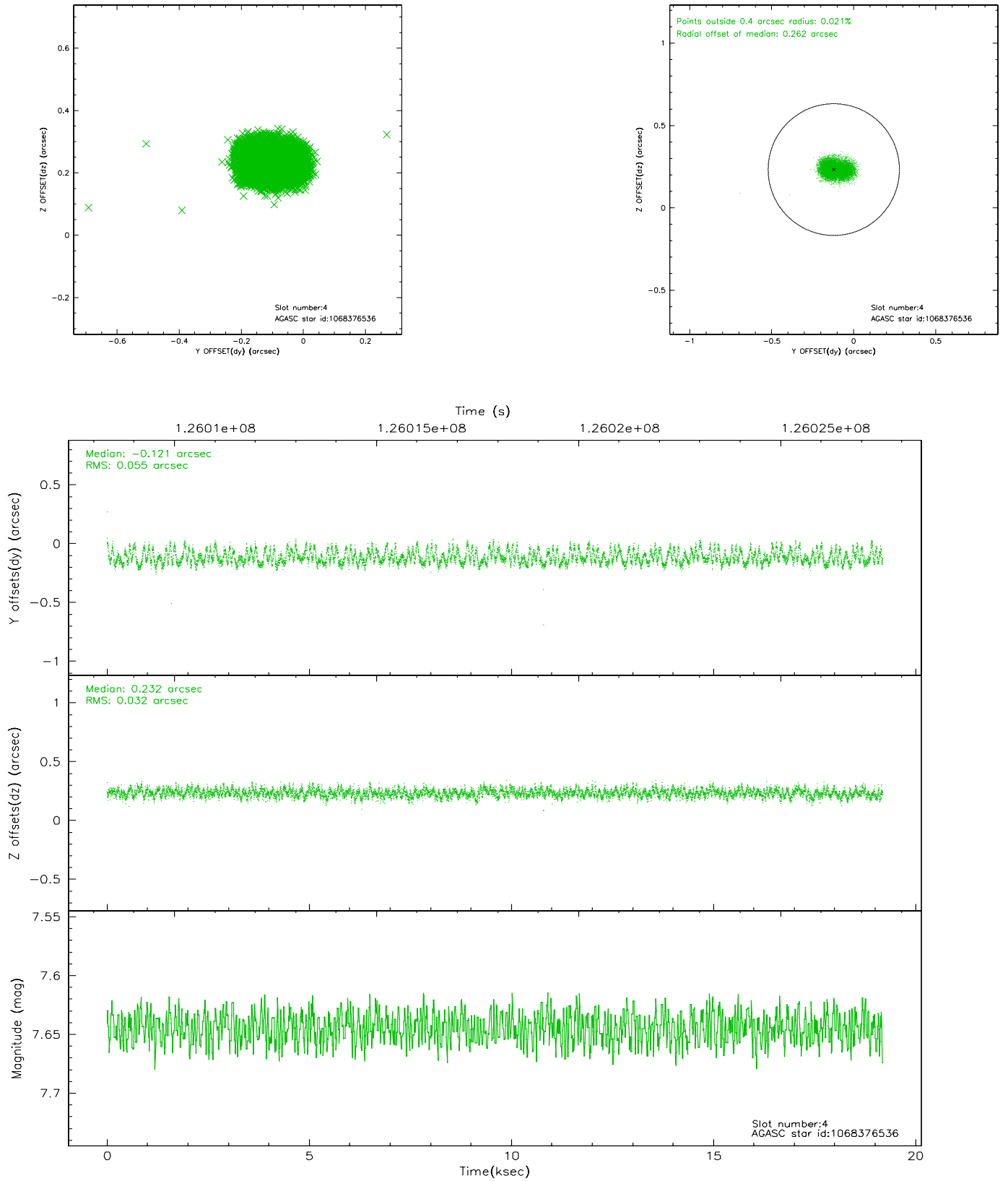
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	4680	-0.002	-0.024	0.006	0.011	0.000000	0.000000	940.80	-1723.74
1	FID	ACIS-S-5	7.24	4678	0.040	0.016	0.006	0.011	0.000000	0.000000	-1808.00	173.70
2	FID	ACIS-S-6	7.35	4679	-0.059	0.020	0.007	0.011	0.000000	0.000000	406.13	817.85
3	GUIDE	1068268392	6.87	9358	0.040	0.056	0.049	0.076	128.257754	-45.752904	-2299.20	-1059.78
4	GUIDE	1068376536	7.64	9358	-0.121	0.232	0.068	0.109	129.556408	-45.593502	835.54	-2142.31
5	GUIDE	1005871784	8.00	9356	-0.021	-0.199	0.069	0.109	128.533947	-44.544833	401.53	2420.07
6	GUIDE	1005861048	8.41	9360	-0.012	-0.155	0.074	0.119	128.669106	-44.528323	734.08	2305.63
7	GUIDE	1068399176	9.10	9357	0.113	0.065	0.072	0.120	129.539137	-45.338406	1249.93	-1321.17

2.4 Star Slots

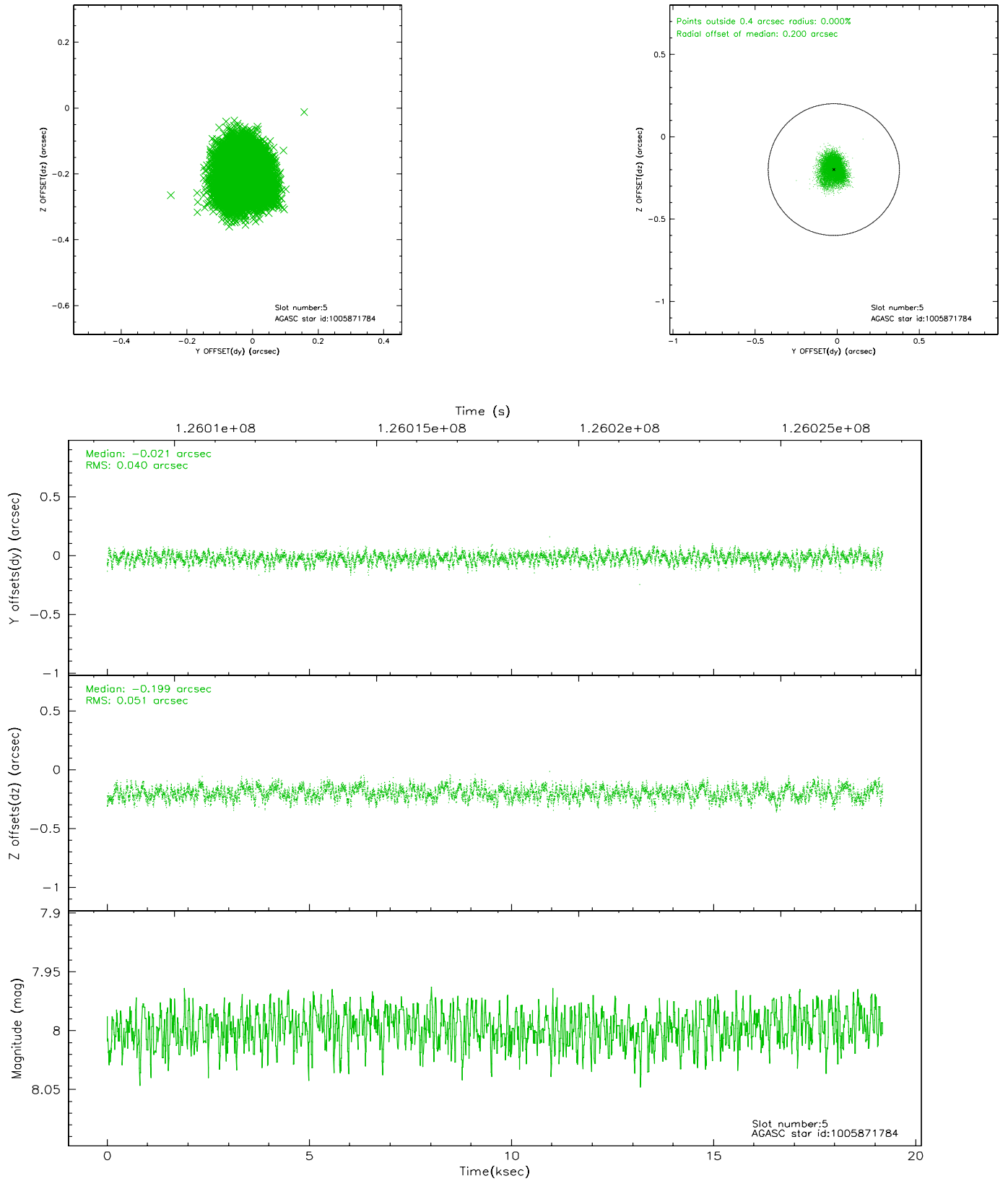
2.4.1 Slot 3



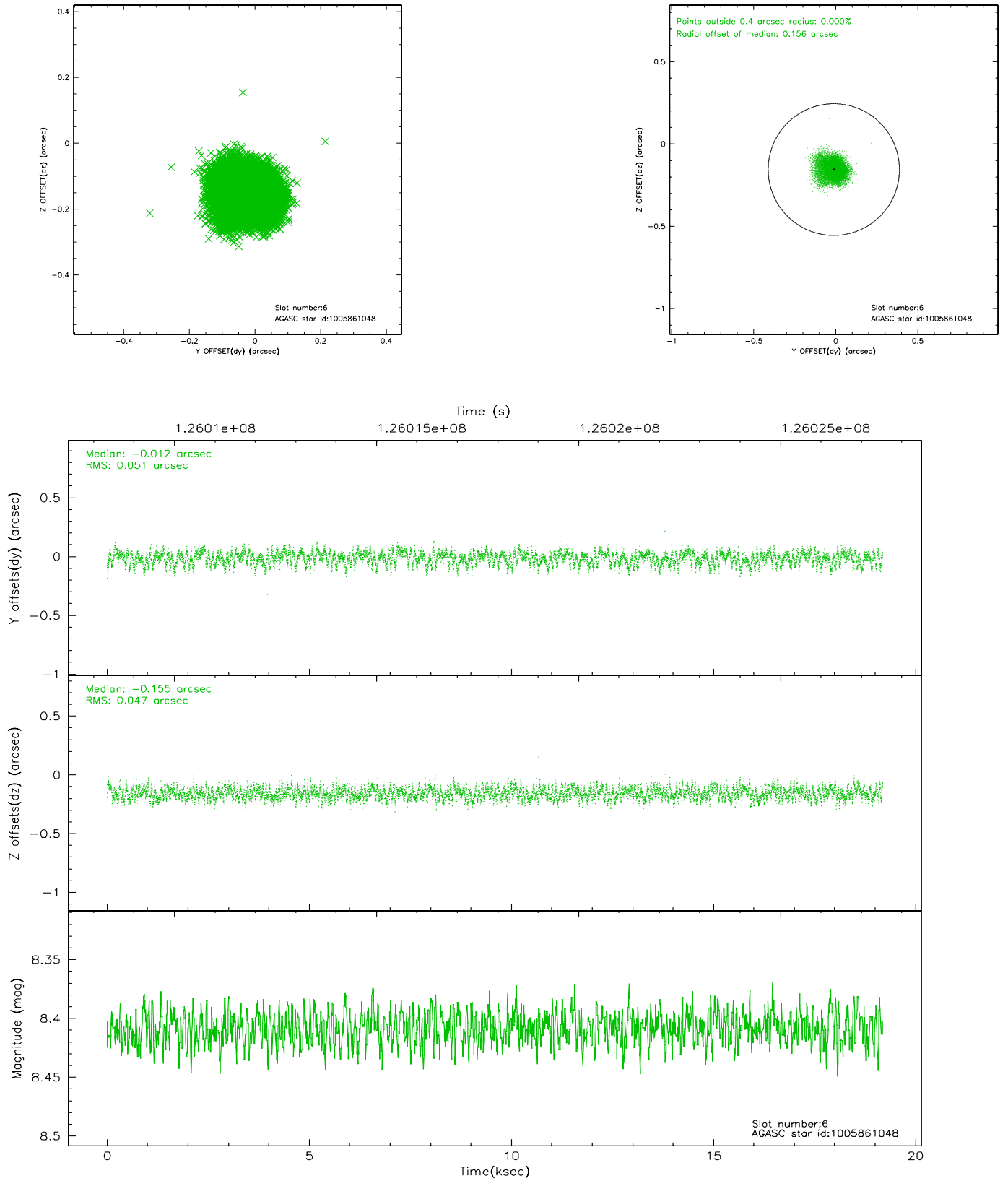
2.4.2 Slot 4



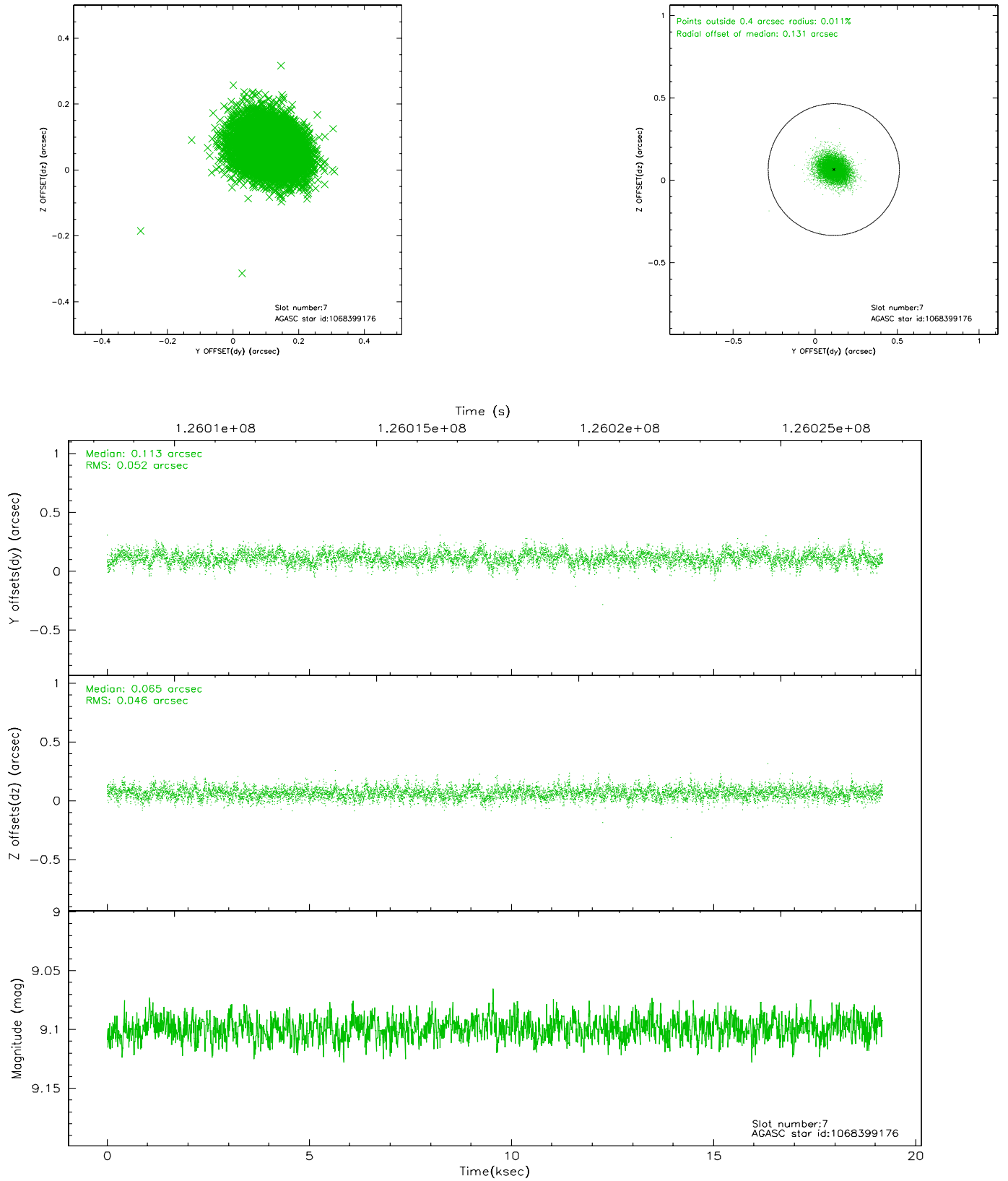
2.4.3 Slot 5



2.4.4 Slot 6

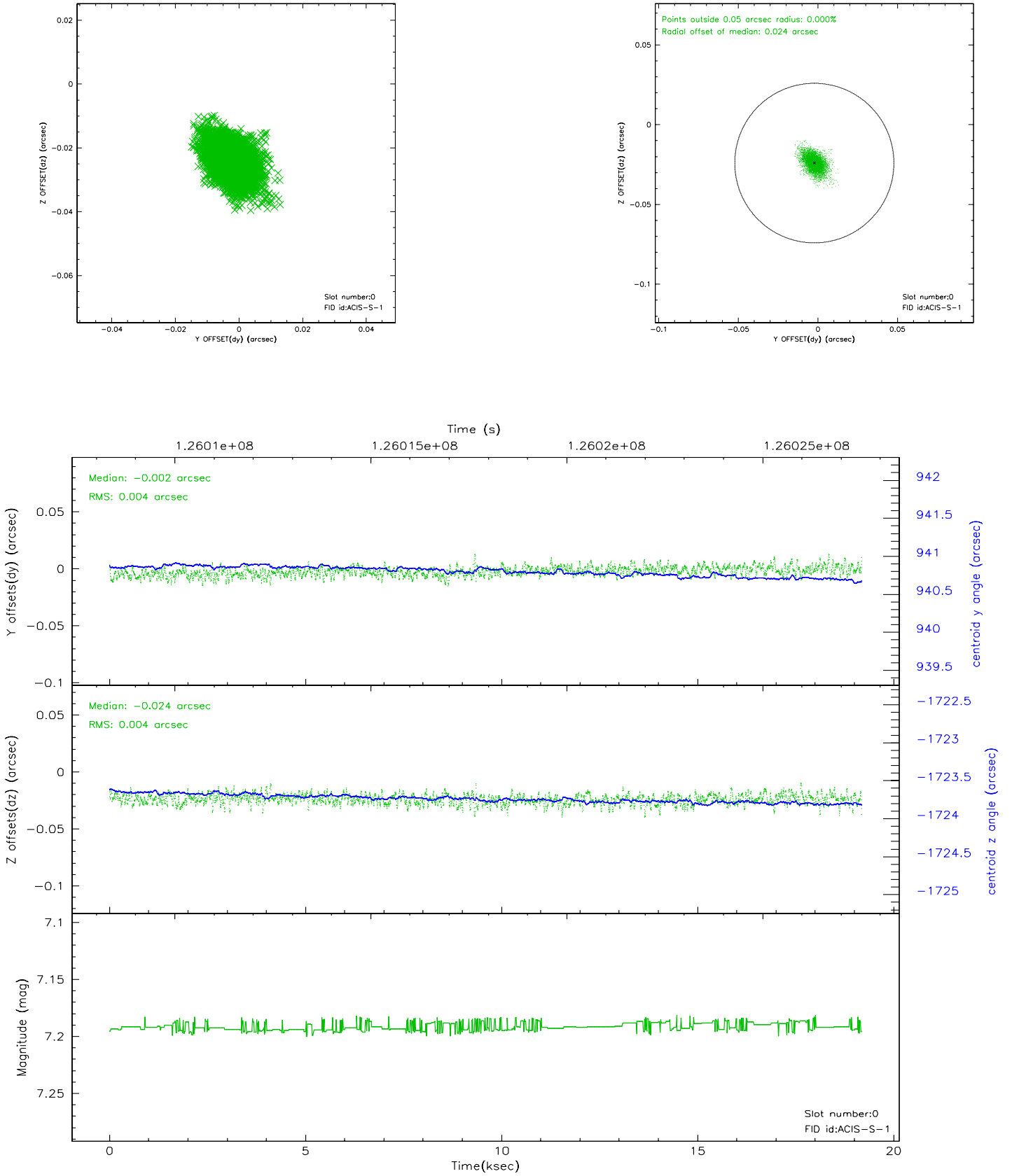


2.4.5 Slot 7

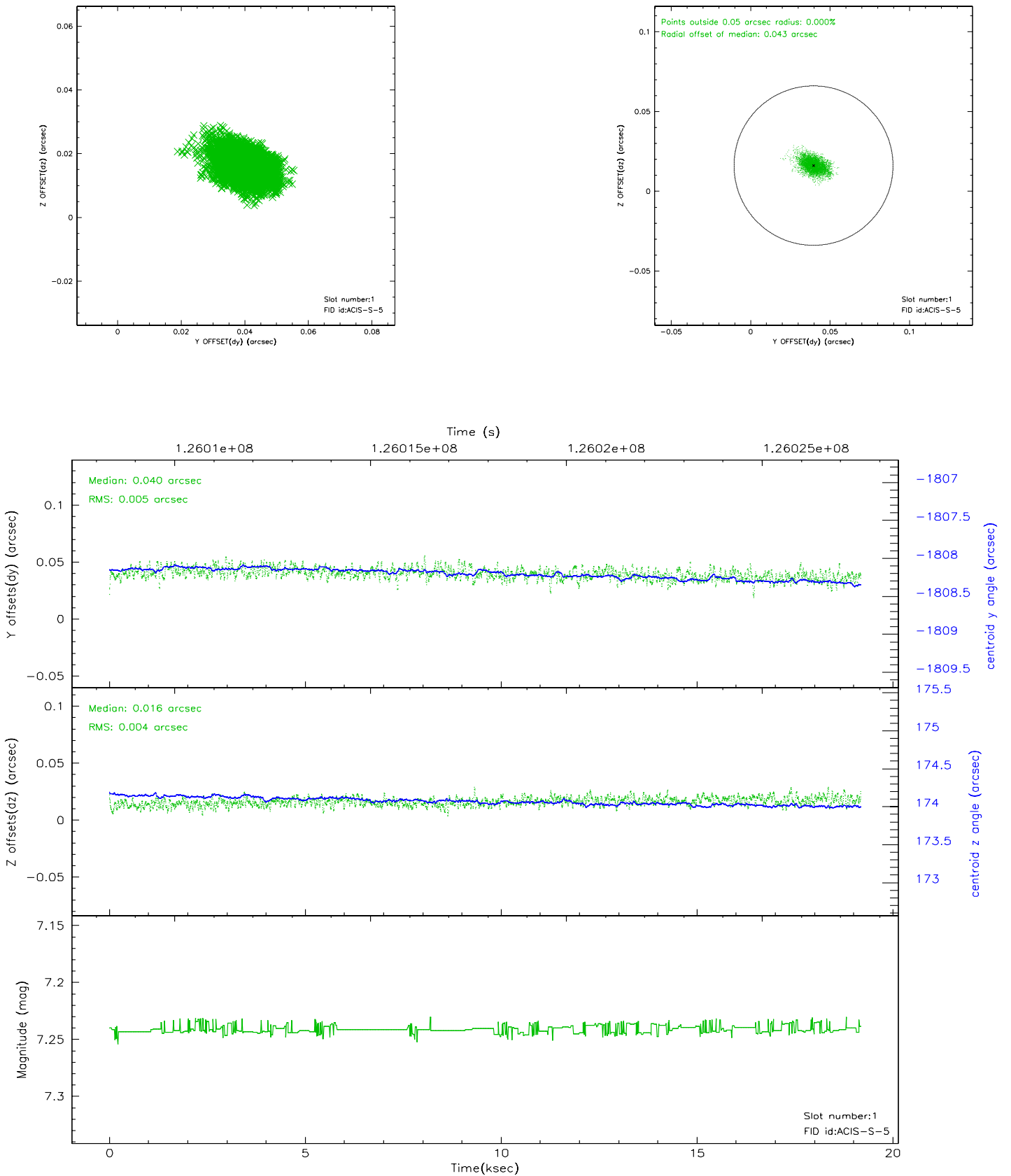


2.5 FID Slots

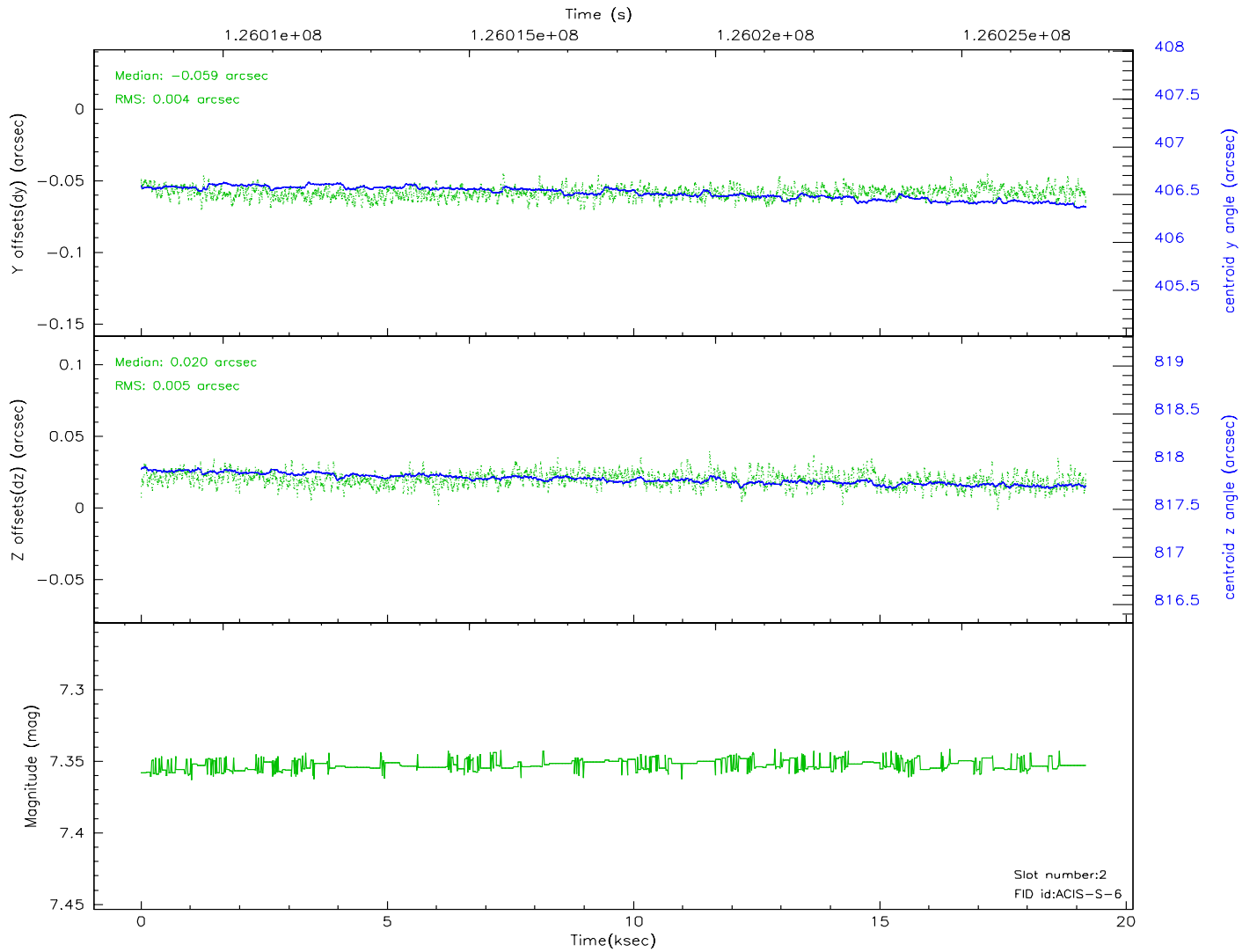
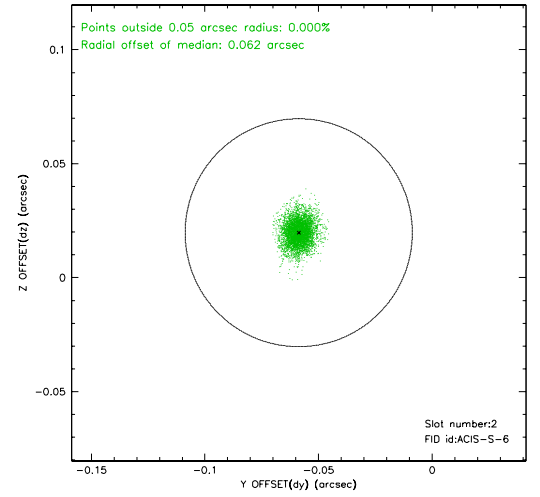
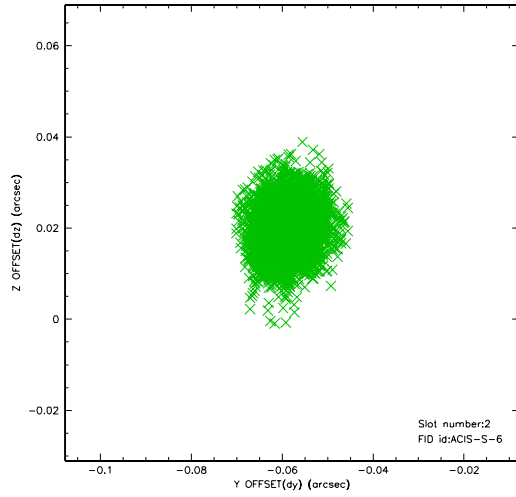
2.5.1 Slot 0



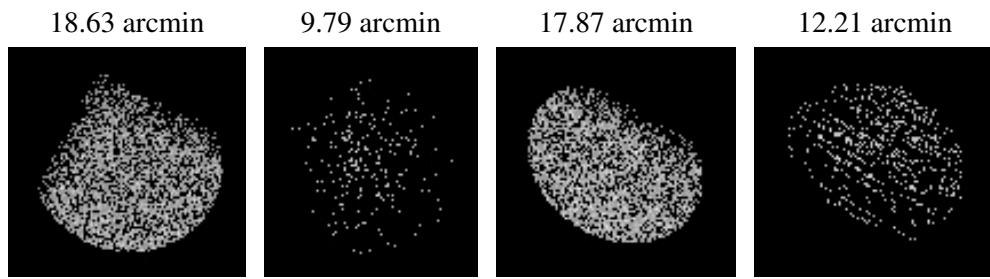
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.18

A.2 Comments