

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2814 - L2 Version 001
Chandra X-Ray Center

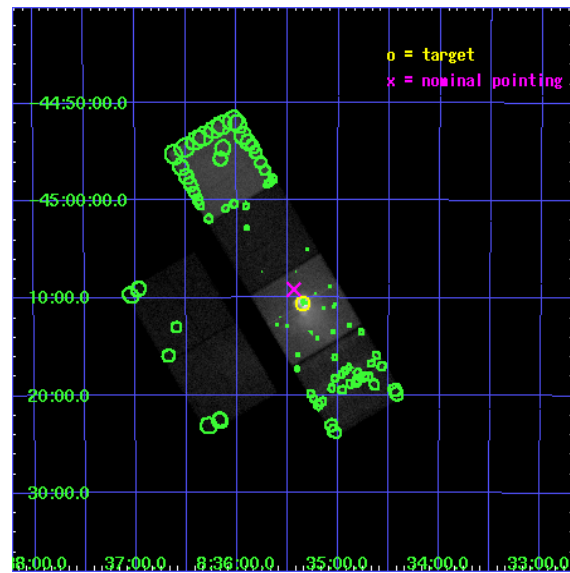
L2 Processing Date : Jan 21 2007

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1 Front

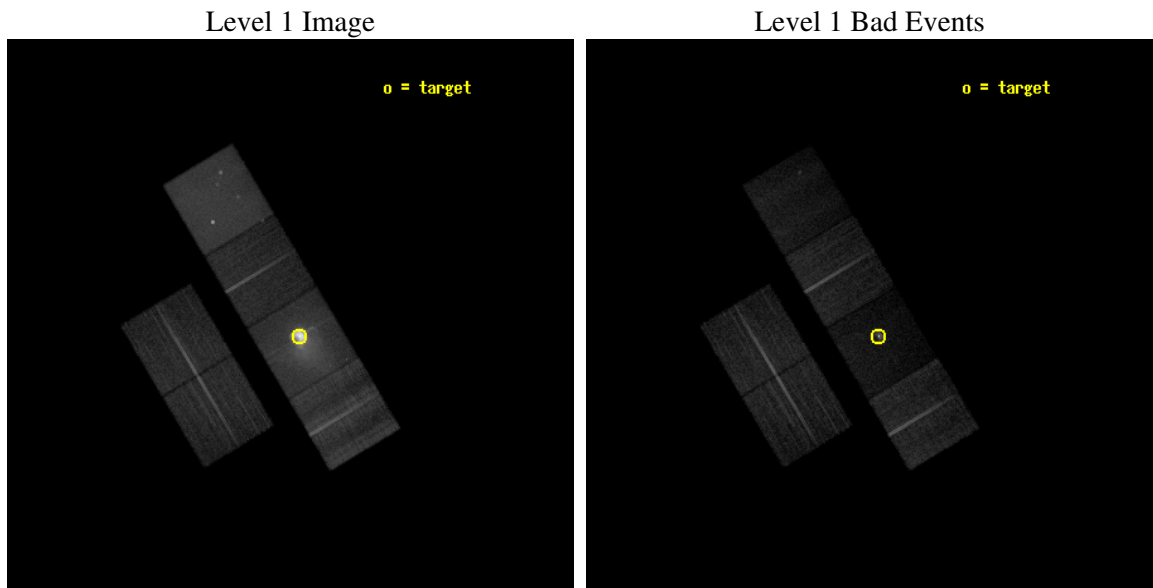
seq_num	500264
obs_id	2814
title	THE DYNAMICAL PULSAR-WIND NEBULA IN THE VELA SNR
observer	Dr. George Pavlov
object	VELA PWN
dtcycle	0
cycle	P
ra_targ	128.83625
dec_targ	-45.176667
ra_nom	128.85954297463
dec_nom	-45.152591214416
roll_nom	59.173147343695
revision	2
ontime	20124.800018743
livetime	19869.967683206
ontime2	20124.800018743
ontime3	20124.800018743
ontime5	20124.800018743
ontime6	20124.800018743
ontime7	20124.800018743
ontime8	20124.800018743
l2events	653533



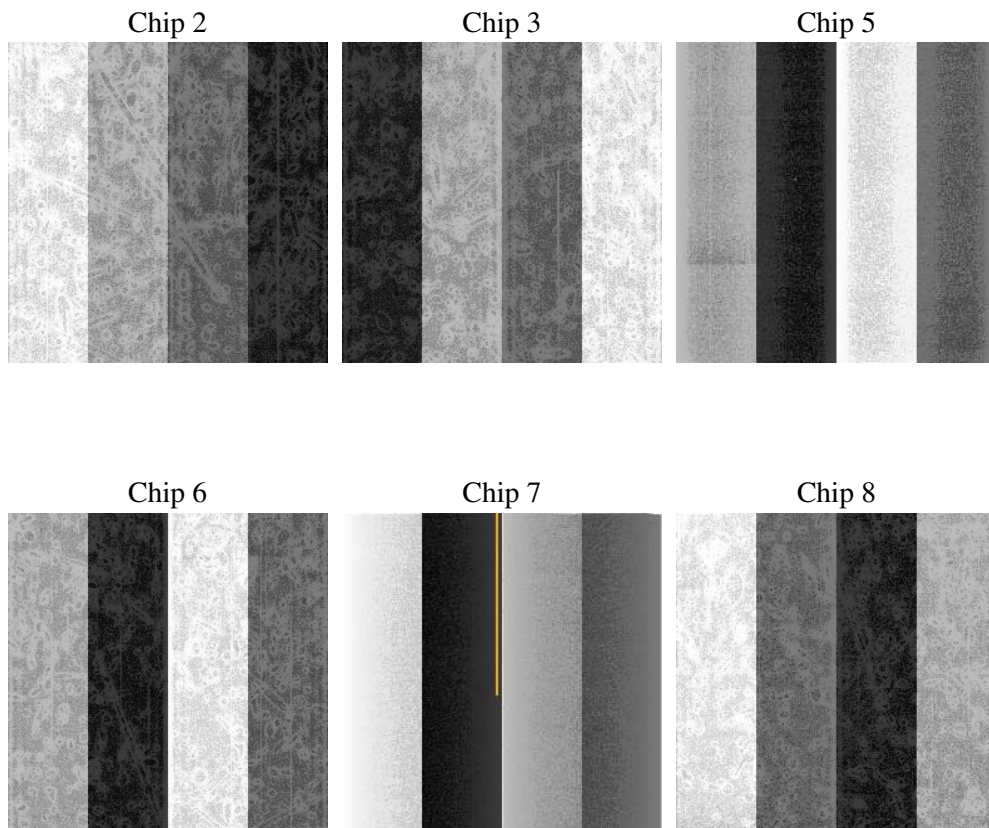
2 OBI

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	2007-01-20T10:20:33
revision	2

sched_exp_time	20000.000000
ontime	20124.800018743
ontime2	20124.800018743
ontime3	20124.800018743
ontime5	20124.800018743
ontime6	20124.800018743
ontime7	20124.800018743
ontime8	20124.800018743
l1events	1251518

2.1.4 Events

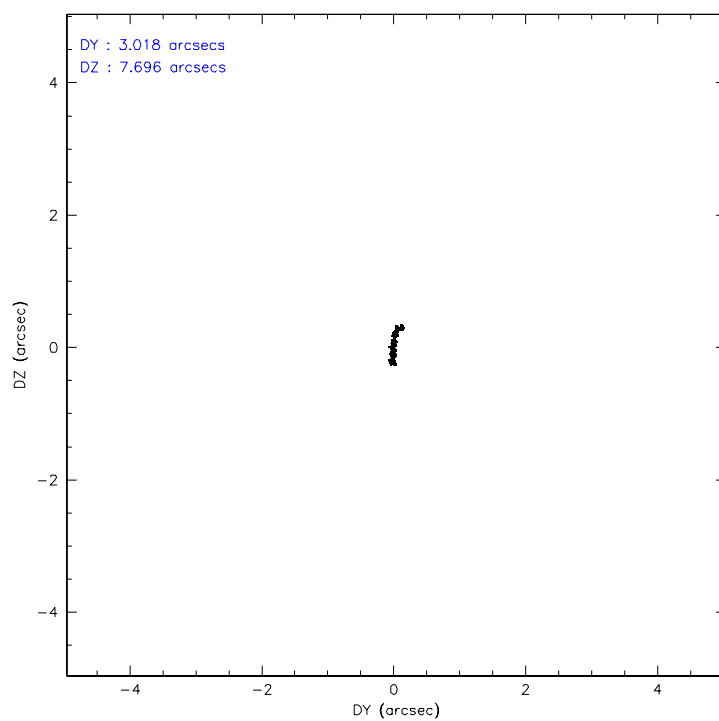
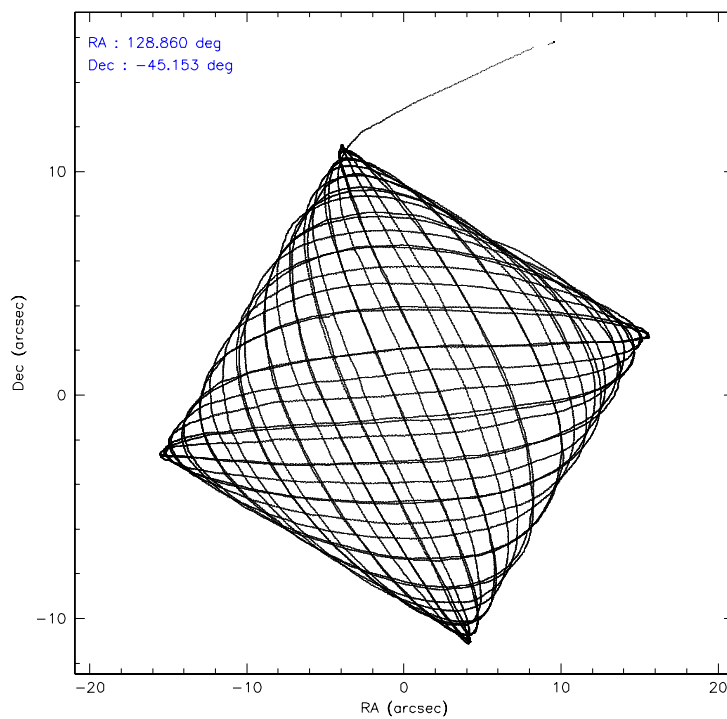
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	130715	130182	220410	132070	437009	201132
rejected events	105552	98331	61726	98217	61876	108254
rejected %	80%	75%	28%	74%	14%	53%

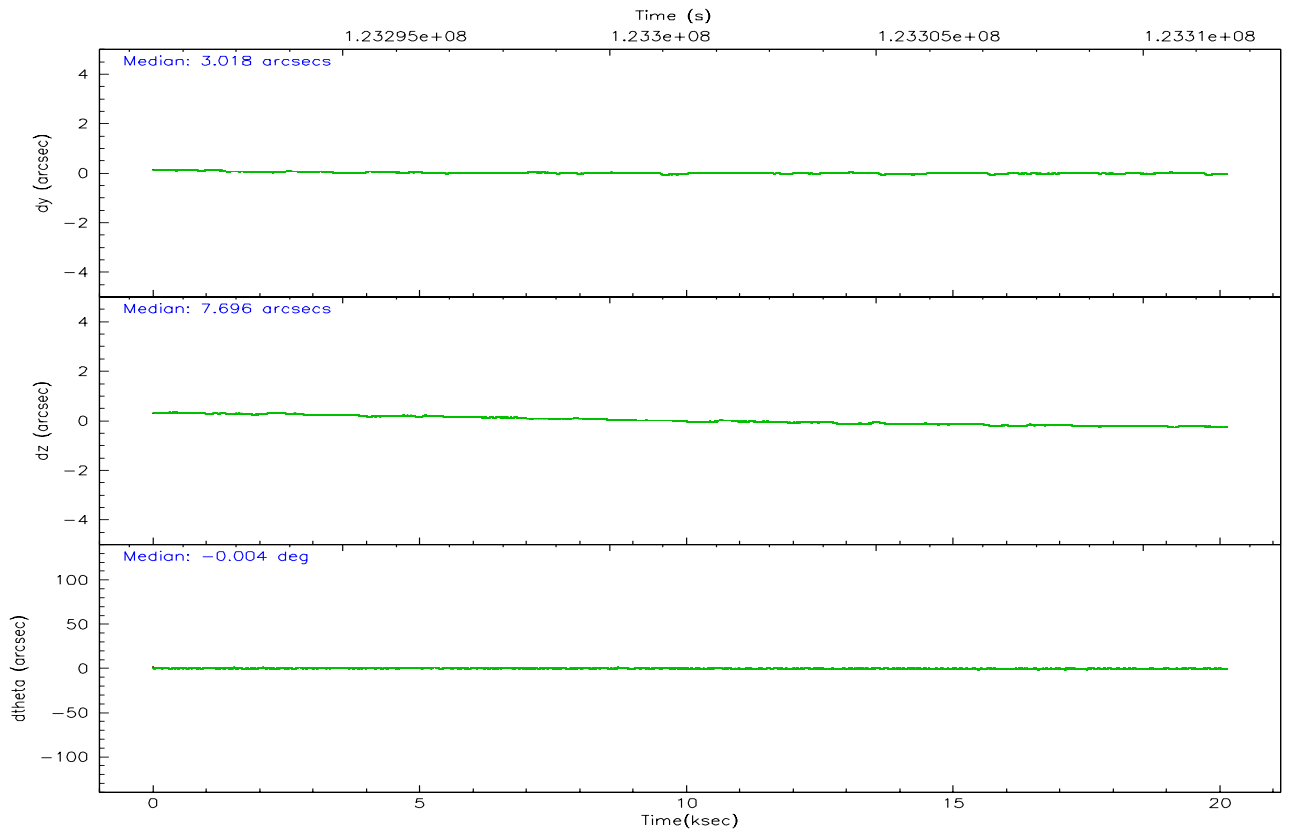
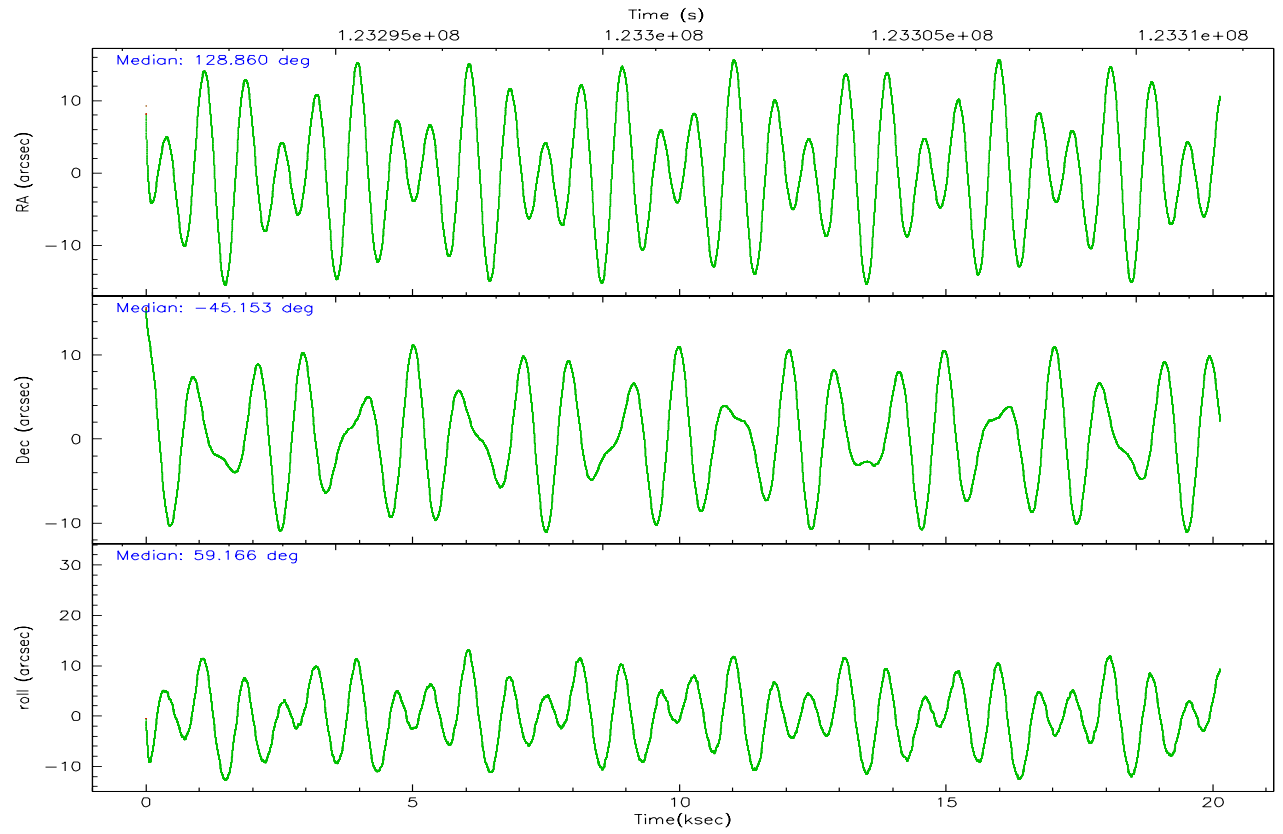
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16971	23124	66277	24542	118796	47770
	12%	17%	30%	18%	27%	23%
grade 1 events	114	121	207	106	810	279
	0%	0%	0%	0%	0%	0%
grade 2 events	3766	3955	38768	4202	94454	12522
	2%	3%	17%	3%	21%	6%
grade 3 events	1312	1502	9542	1630	41726	10220
	1%	1%	4%	1%	9%	5%
grade 4 events	1408	1521	9307	1593	41431	9356
	1%	1%	4%	1%	9%	4%
grade 5 events	2713	3066	10823	3330	13397	5102
	2%	2%	4%	2%	3%	2%
grade 6 events	1996	2089	37568	2330	83140	14264
	1%	1%	17%	1%	19%	7%
grade 7 events	102435	94804	47918	94337	43255	101619
	78%	72%	21%	71%	9%	50%

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	128.859444	128.8595429746268	Subarray requested	NONE	NONE
Pointing Dec	-45.179871	-45.15259121441619	Alternating exposures requested	N	N
Pointing Roll	59.016447	59.17314734369491	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	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	123291575.184000	123290301.81904			
Observation start date	2001-11-27T23:38:31	2001-11-27T23:18:21			
Observation end time	123311575.184000	123312605.30744			
Observation end date	2001-11-28T05:11:51	2001-11-28T05:30:05			
Read mode	TIMED	TIMED			

2.3 Aspect



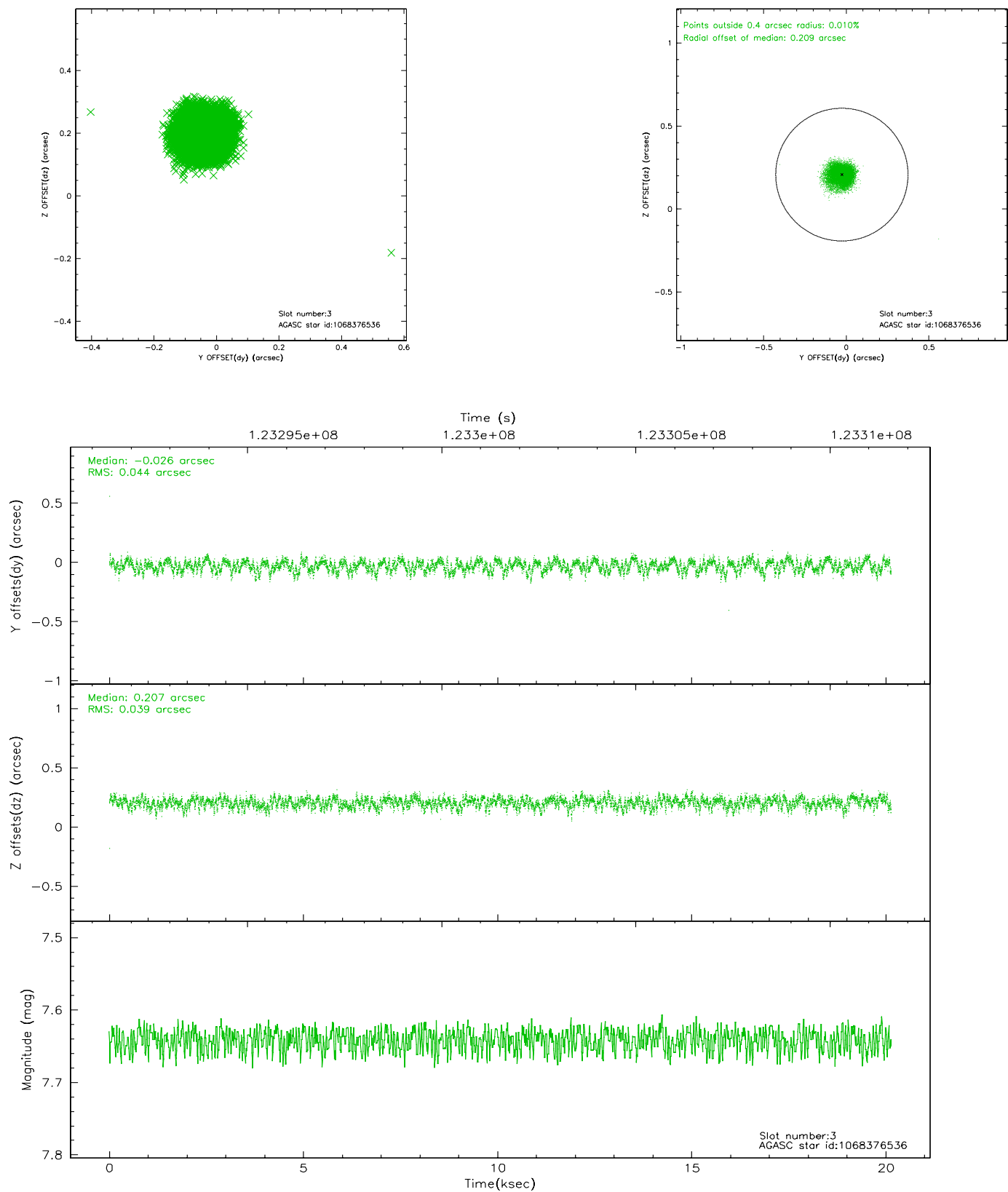


Slot Statistics

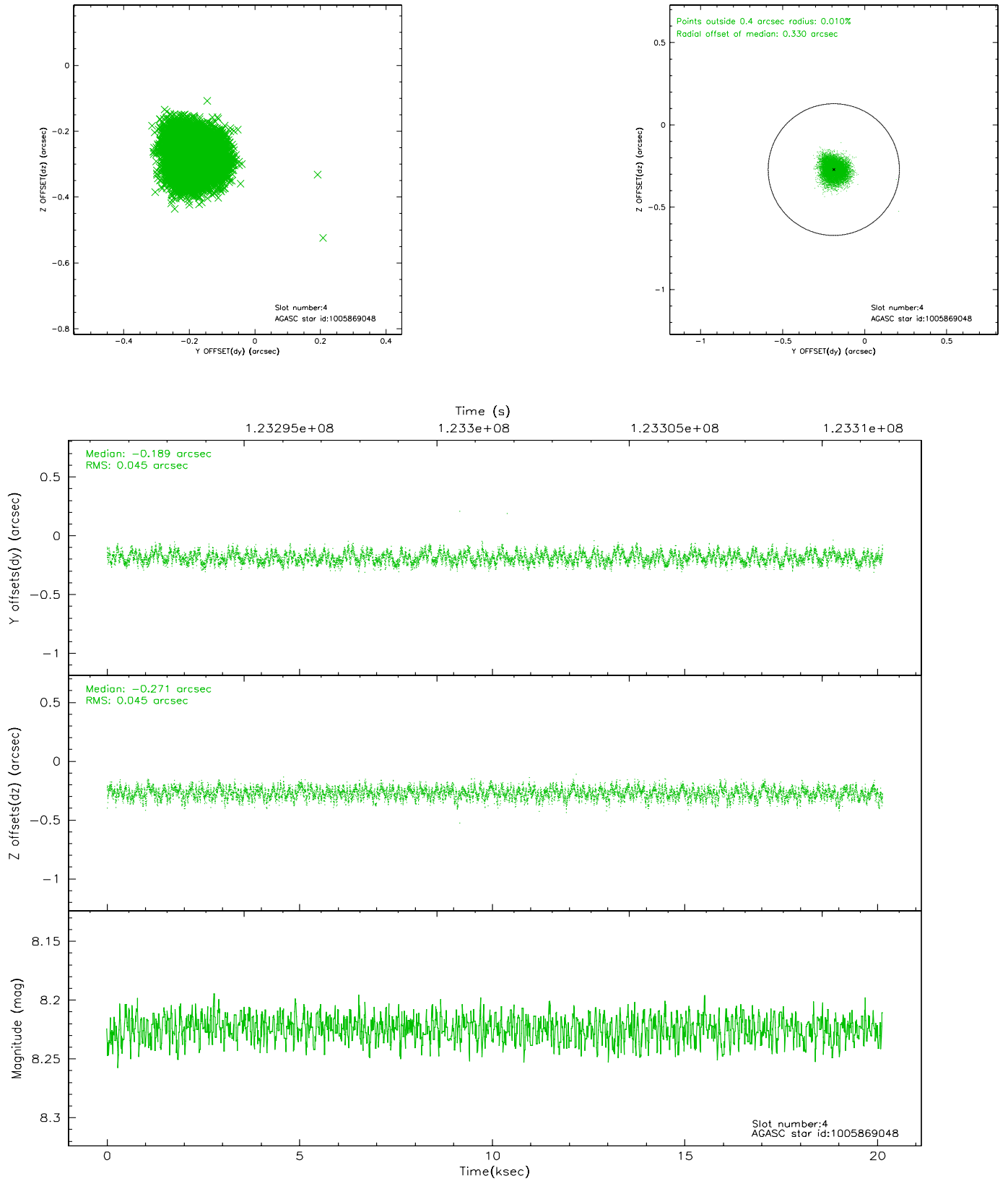
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4911	0.009	0.026	0.007	0.012	0.000000	0.000000	-755.67	-1728.82
1	FID	ACIS-S-4	7.20	4910	-0.082	-0.011	0.005	0.009	0.000000	0.000000	2157.44	179.43
2	FID	ACIS-S-5	7.24	4910	0.042	-0.006	0.007	0.012	0.000000	0.000000	-1808.23	173.33
3	GUIDE	1068376536	7.64	9821	-0.026	0.207	0.062	0.099	129.556408	-45.593502	-379.32	-2275.47
4	GUIDE	1005869048	8.22	9822	-0.189	-0.271	0.068	0.105	128.429058	-44.495949	1538.65	2213.21
5	GUIDE	1068239704	8.57	9817	0.049	0.093	0.057	0.094	129.331182	-45.207211	528.64	-1077.88
6	GUIDE	1005872888	8.42	9821	-0.039	-0.084	0.051	0.082	128.718363	-44.887099	717.72	850.79
7	GUIDE	1068238552	9.30	9793	0.207	0.060	0.092	0.145	128.941120	-45.368483	-475.79	-526.64

2.4 Star Slots

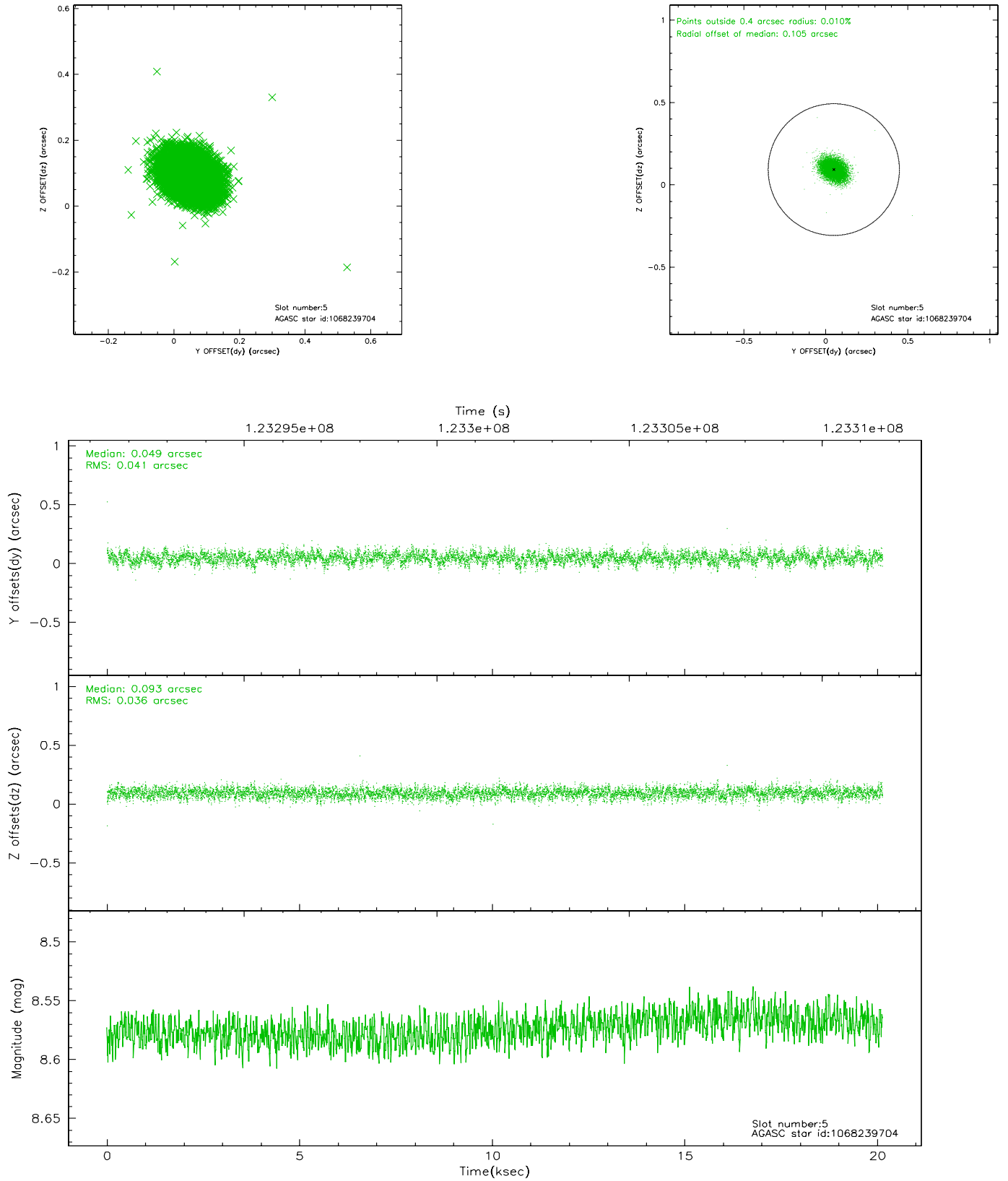
2.4.1 Slot 3



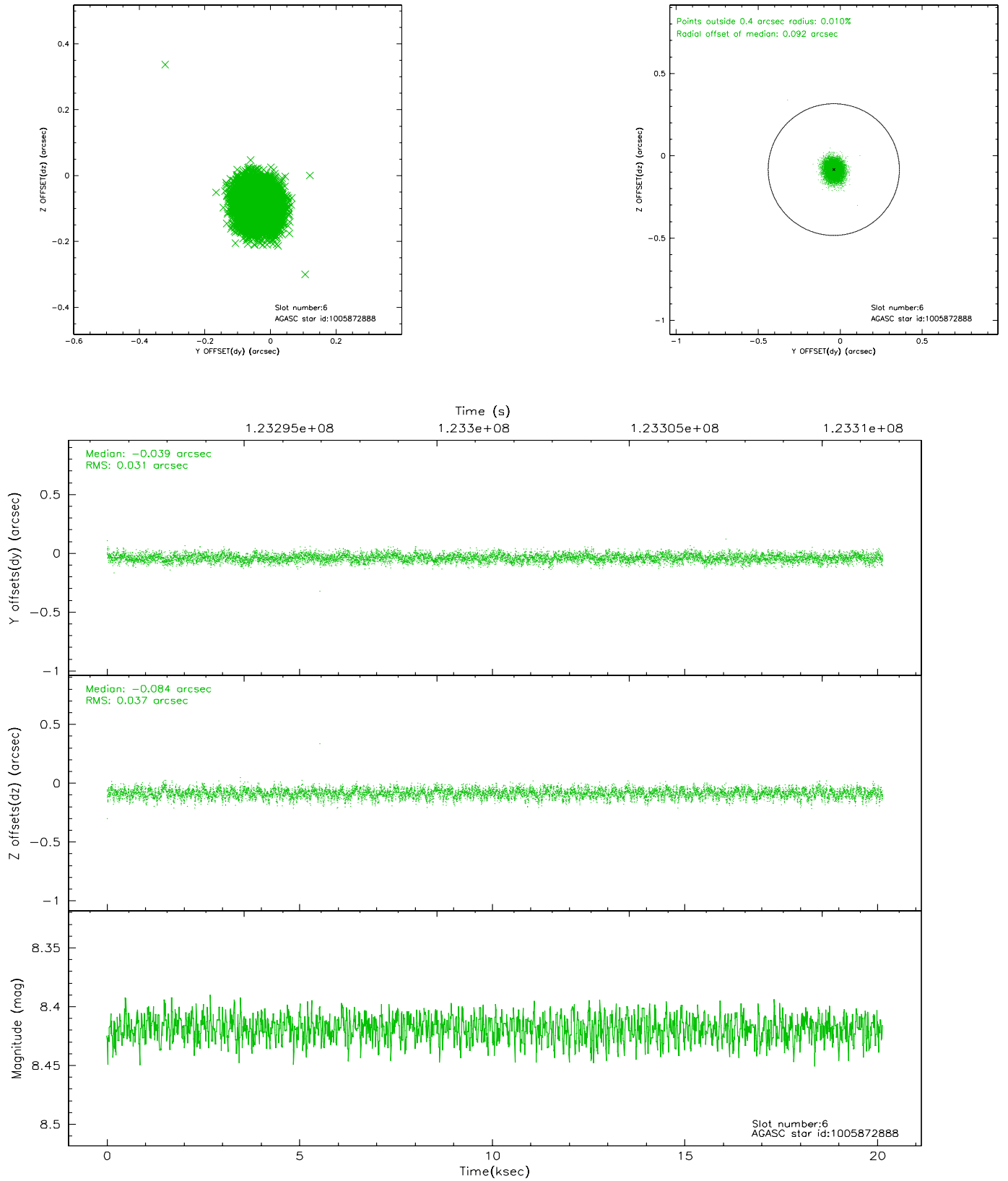
2.4.2 Slot 4



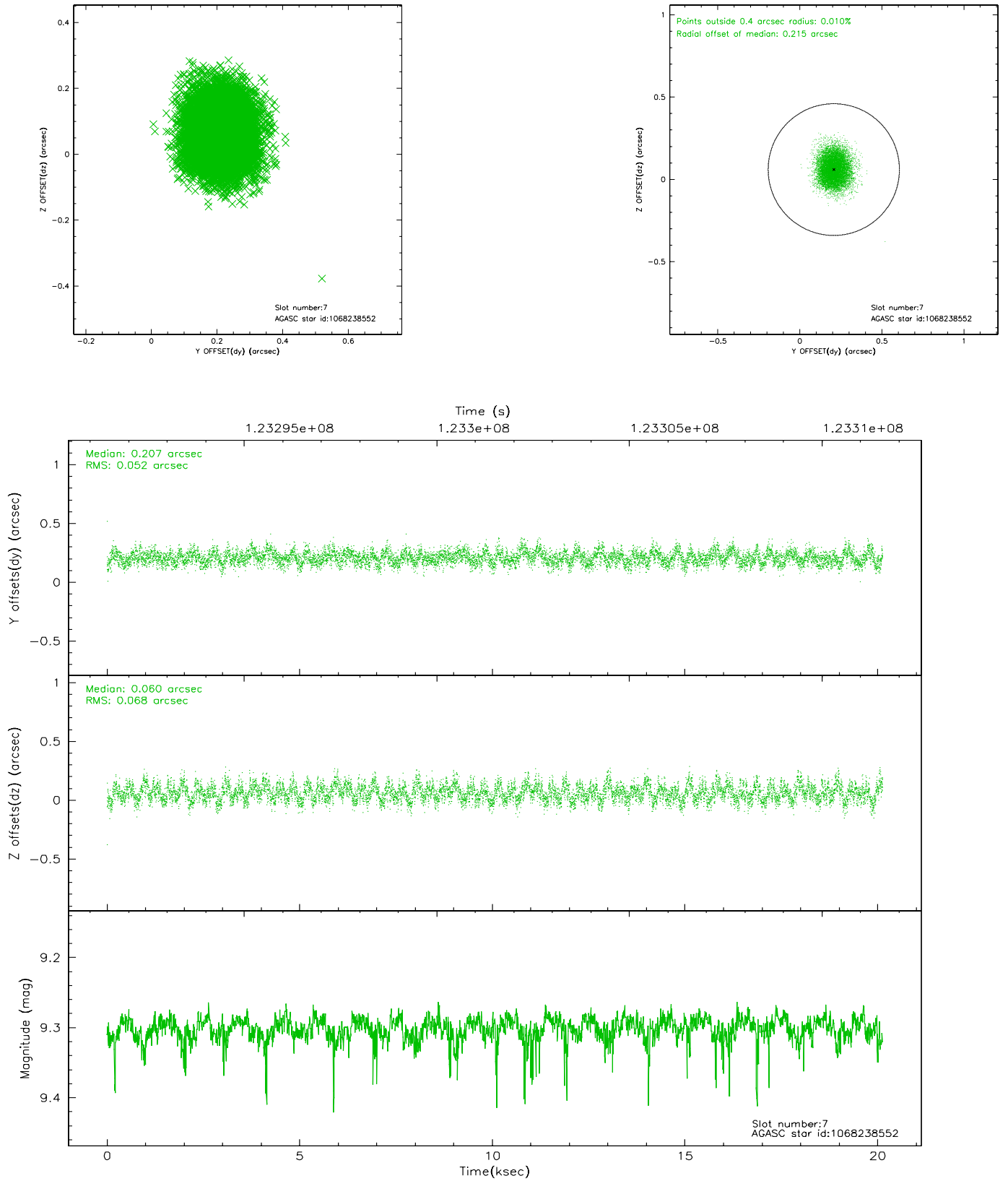
2.4.3 Slot 5



2.4.4 Slot 6

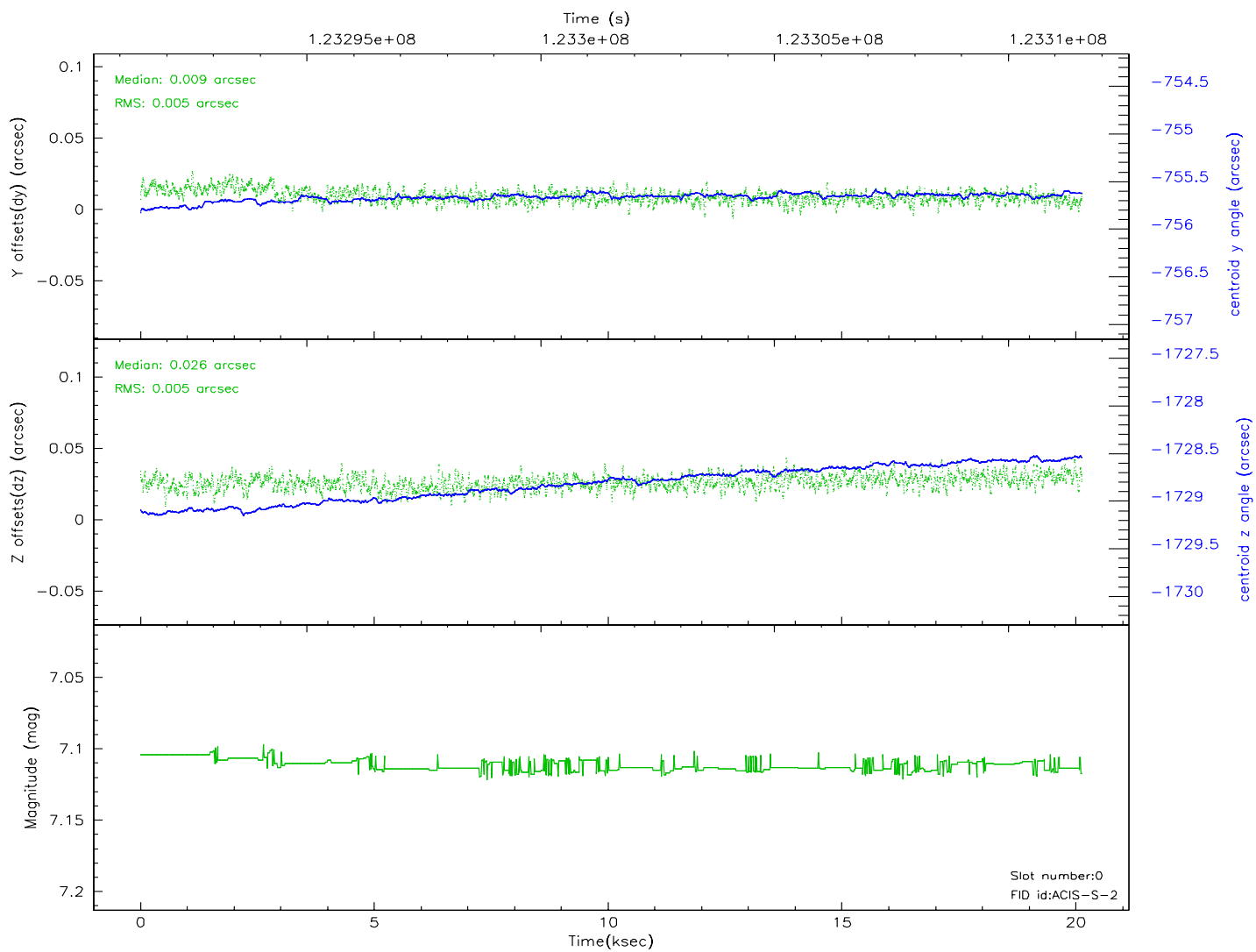
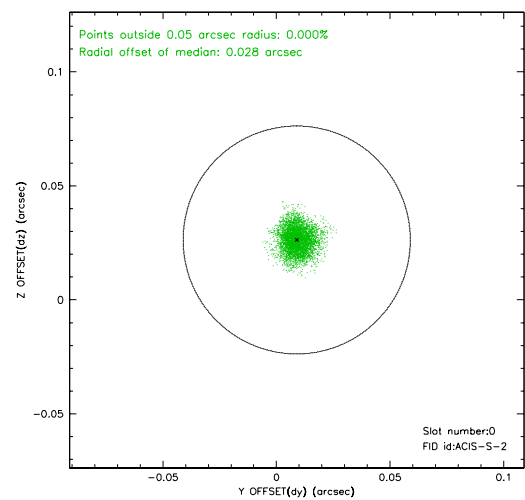
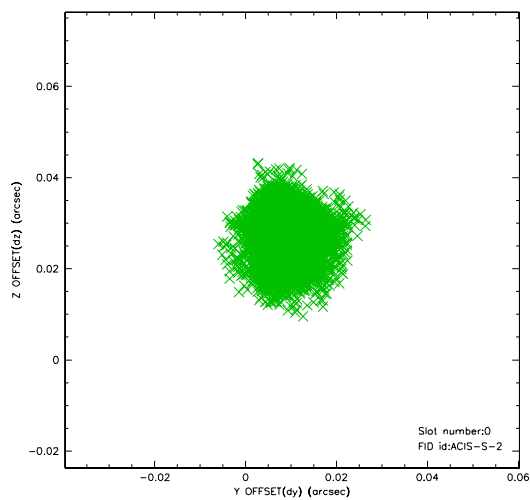


2.4.5 Slot 7

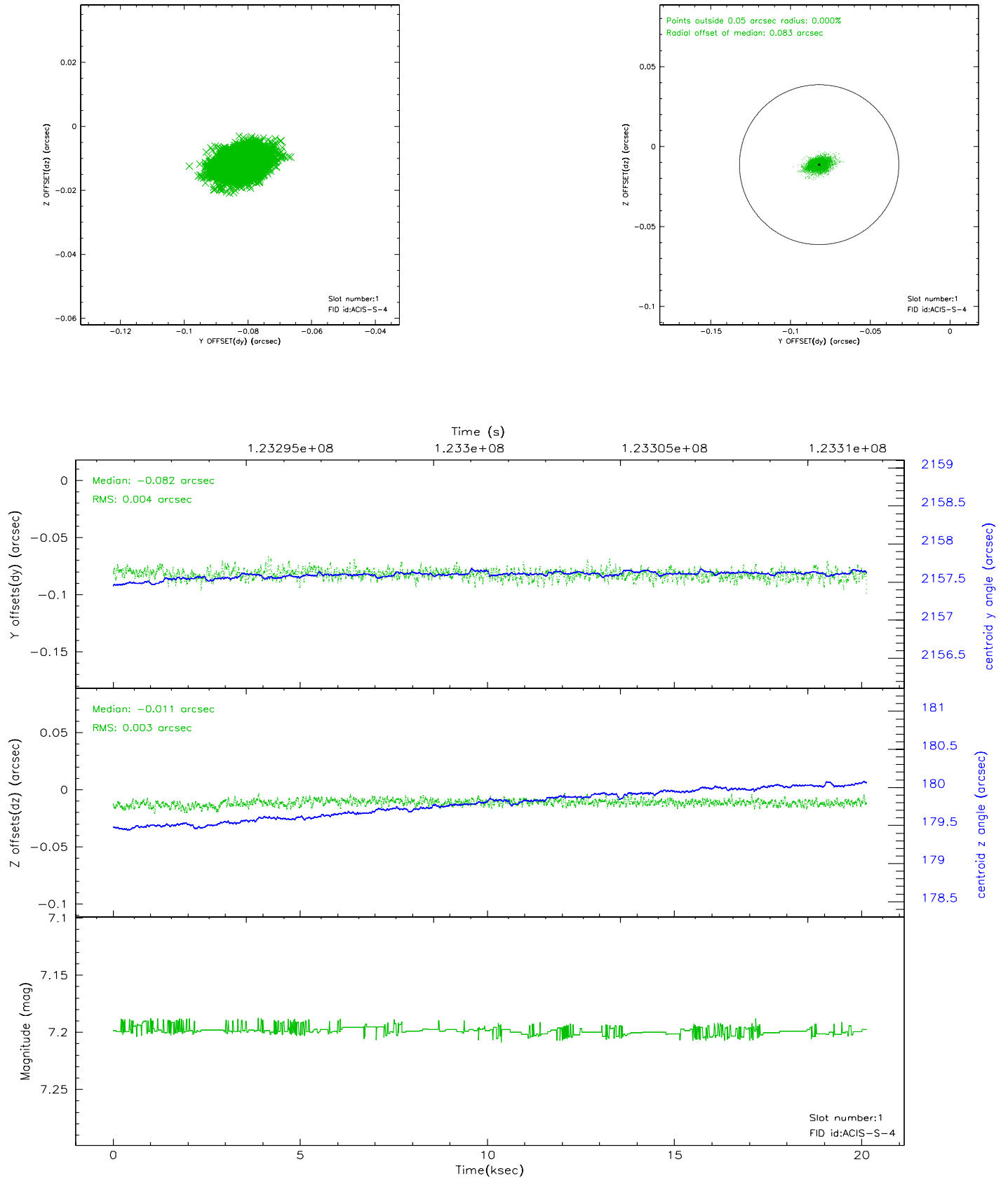


2.5 FID Slots

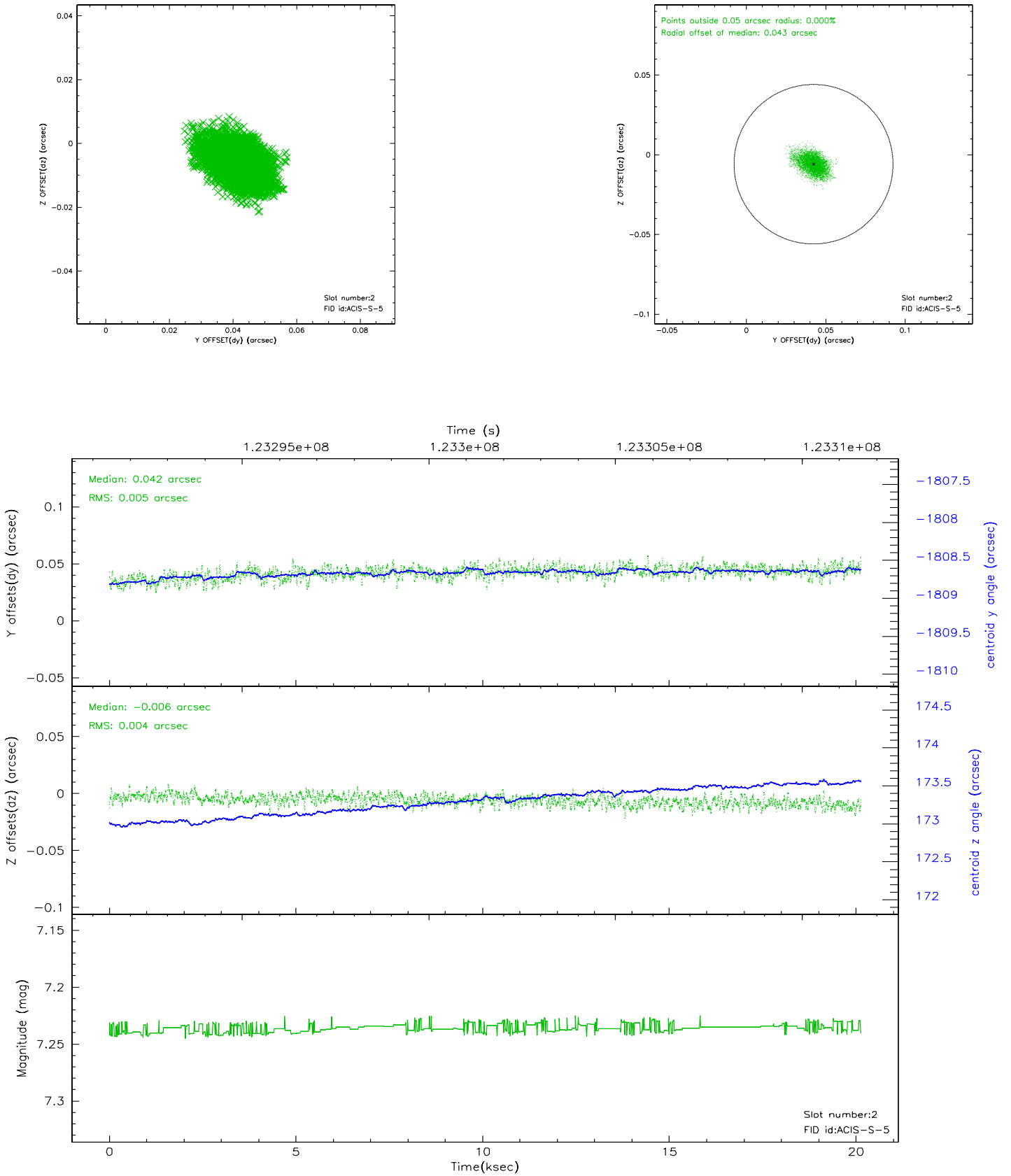
2.5.1 Slot 0



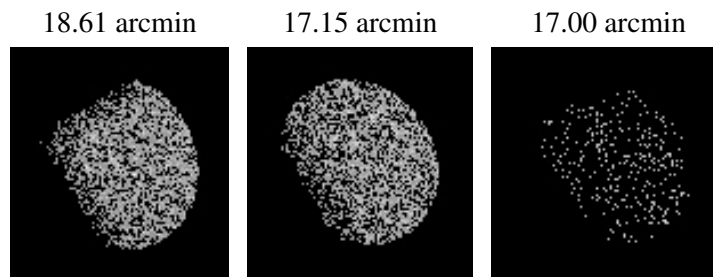
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.124

A.2 Comments