

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2813 - L2 Version 001
Chandra X-Ray Center

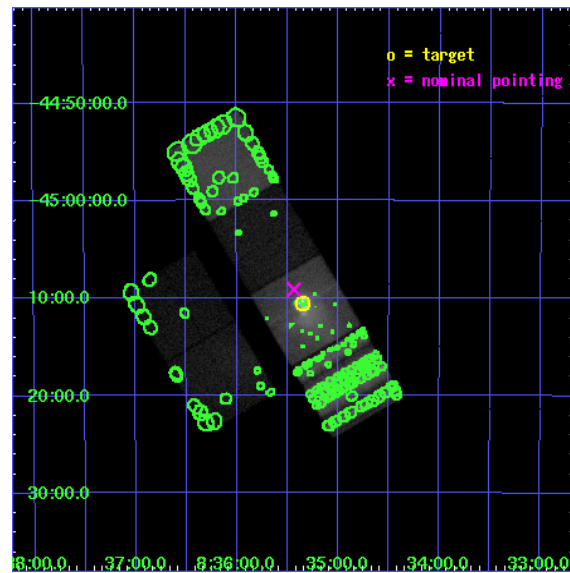
L2 Processing Date : Jan 21 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

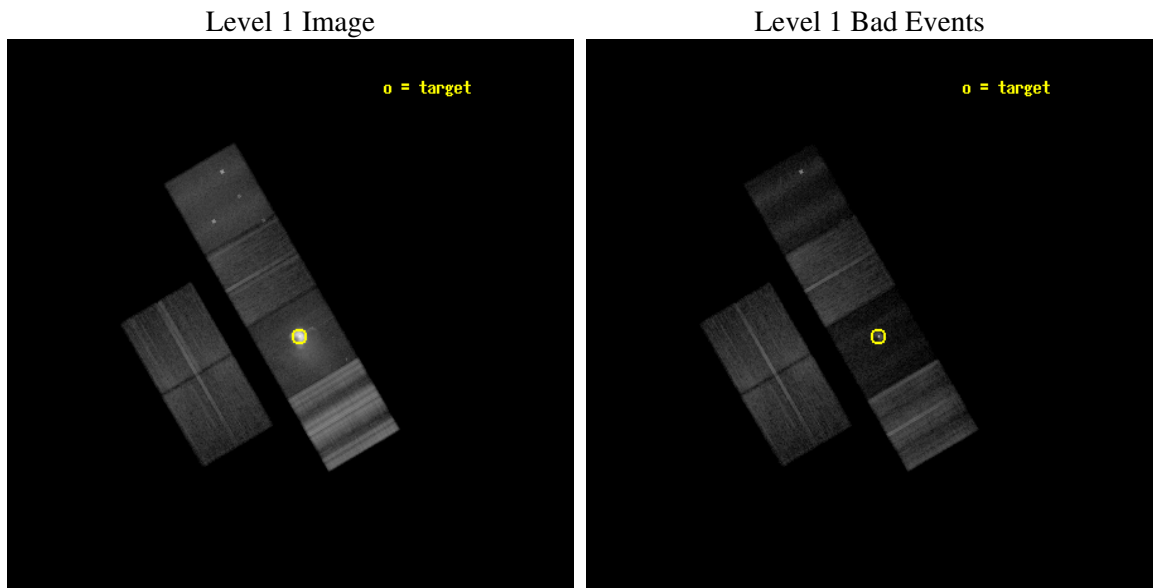
seq_num	500263
obs_id	2813
title	THE DYNAMICAL PULSAR-WIND NEBULA IN THE VELA SNR
observer	Dr. George Pavlov
object	VELA PWN
dtcycle	0
cycle	P
ra_targ	128.83625
dec_targ	-45.176667
ra_nom	128.85916409355
dec_nom	-45.152461715407
roll_nom	59.745773595834
revision	2
ontime	18163.200016916
livetime	17933.206641736
ontime2	18159.959056661
ontime3	18163.200016916
ontime5	18163.200016916
ontime6	18163.200016916
ontime7	18163.200016916
ontime8	18163.200016916
l2events	796362



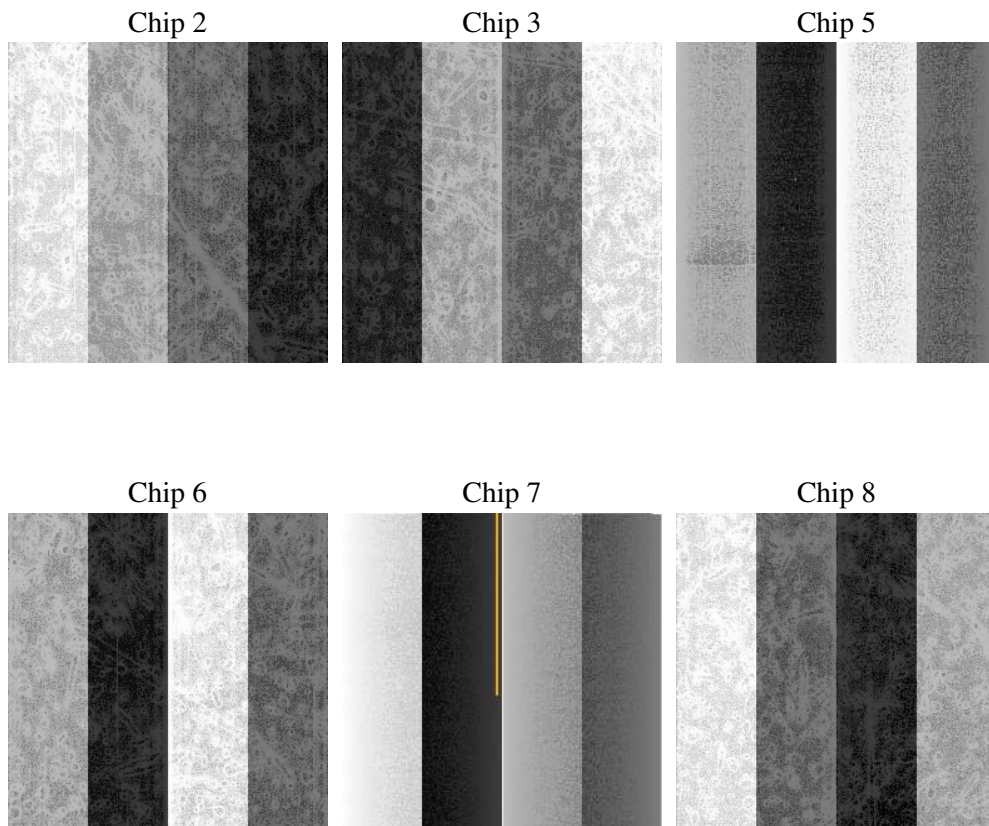
2 OBI

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	2007-01-20T10:01:38
revision	2

sched_exp_time	18000.000000
ontime	18163.200016916
ontime2	18159.959056661
ontime3	18163.200016916
ontime5	18163.200016916
ontime6	18163.200016916
ontime7	18163.200016916
ontime8	18163.200016916
l1events	1783817

2.1.4 Events

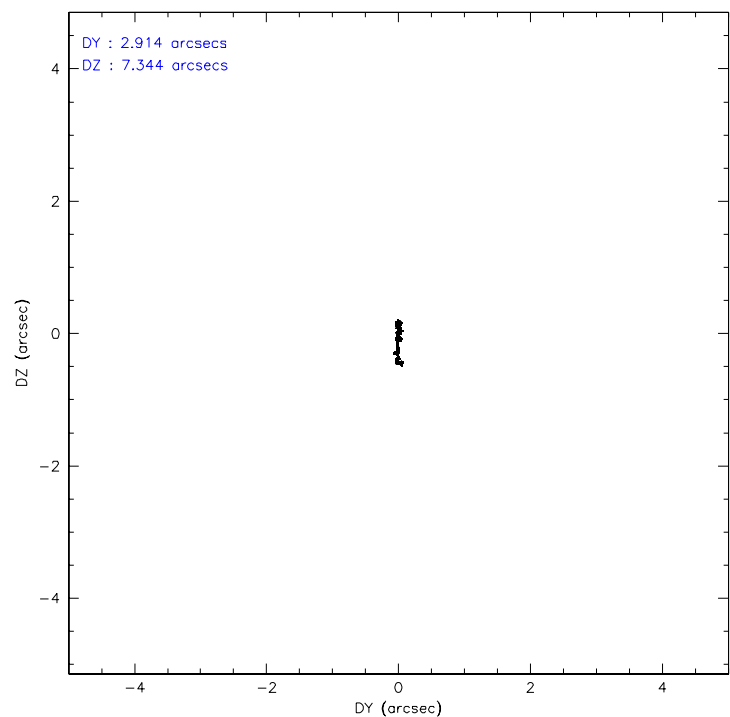
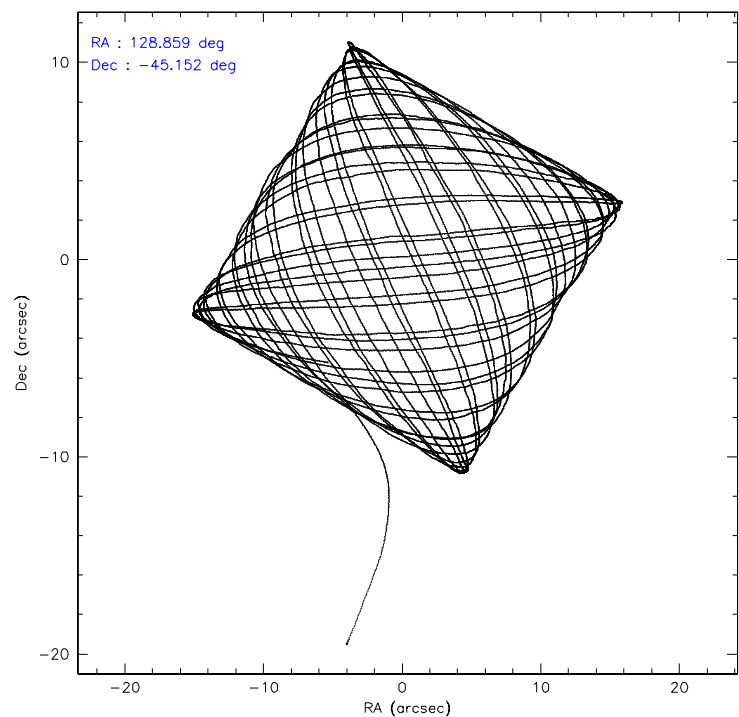
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	201088	177117	220574	200986	401115	582937
rejected events	162865	145023	71263	159993	57855	188890
rejected %	80%	81%	32%	79%	14%	32%

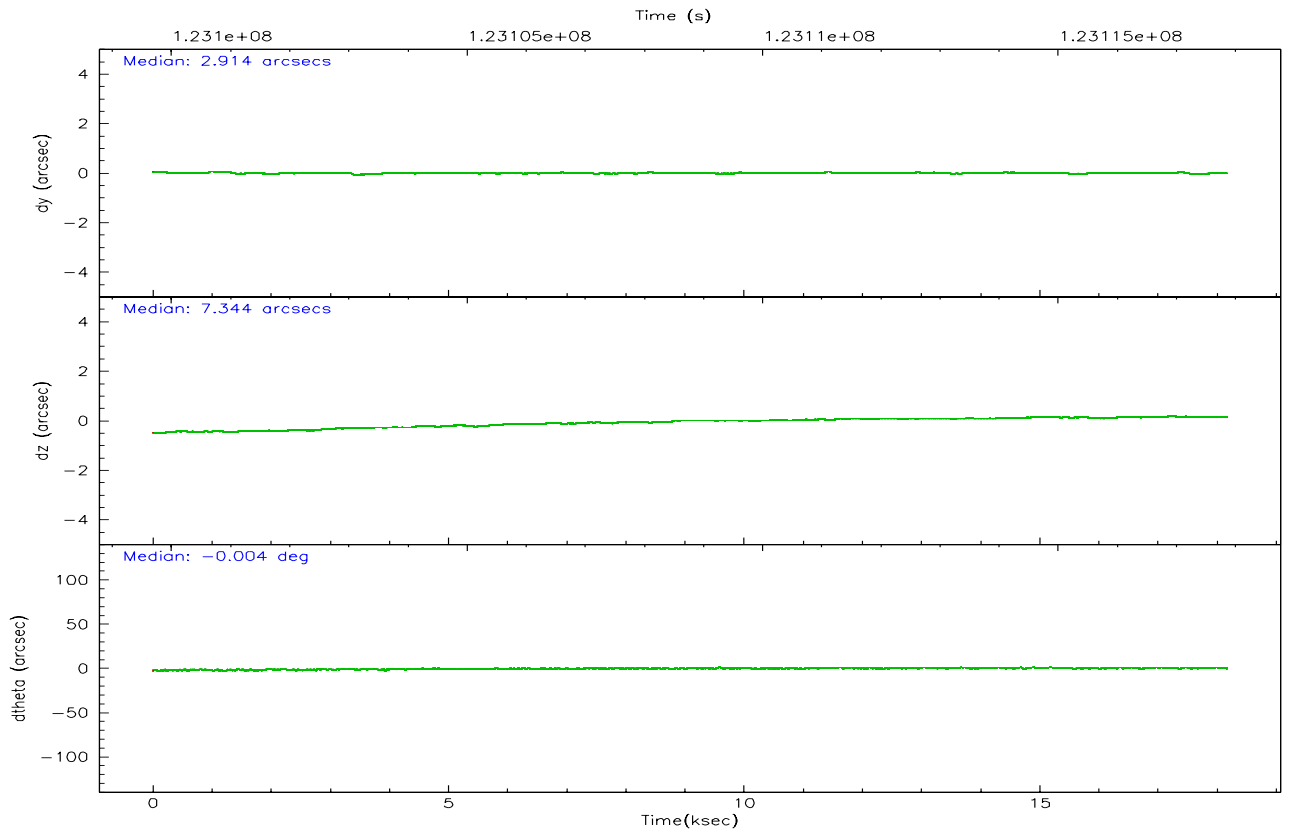
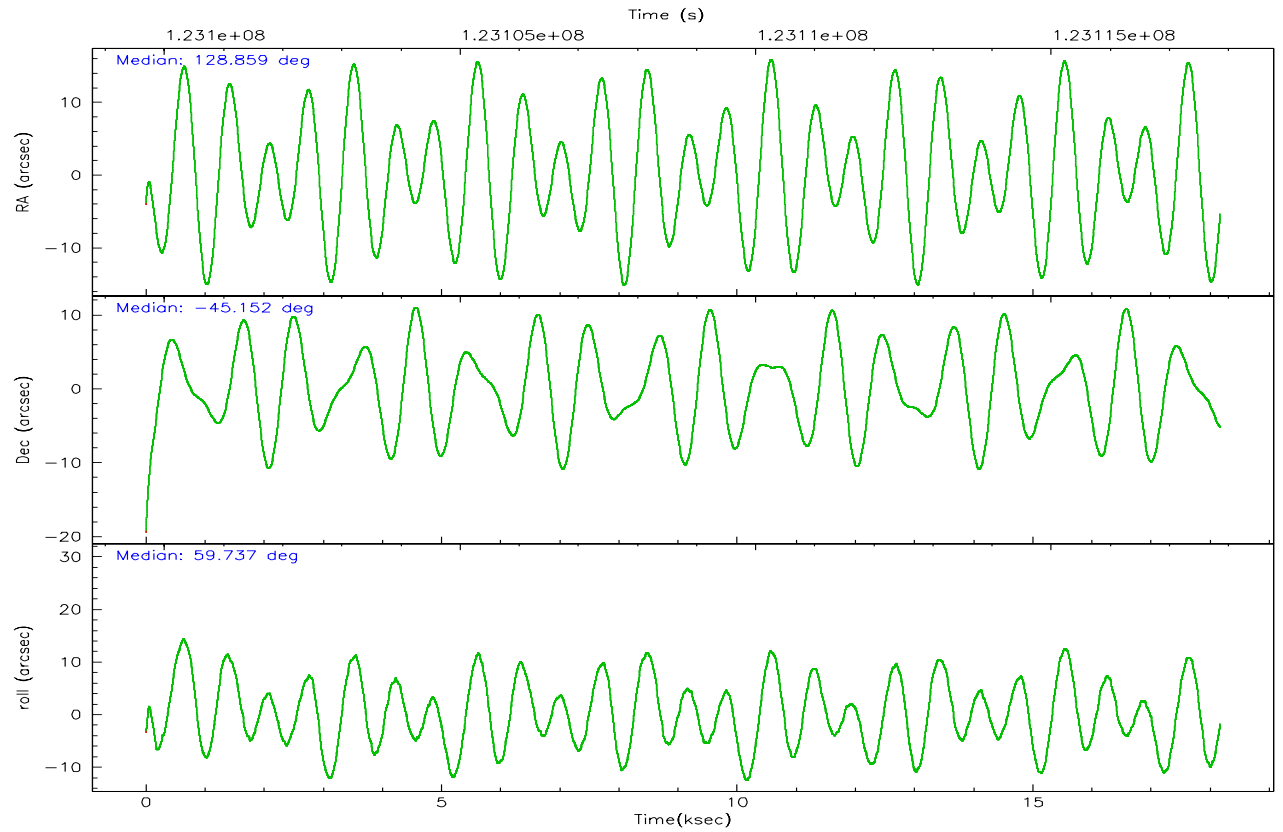
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	22996	22663	58802	27961	105451	132922
	11%	12%	26%	13%	26%	22%
grade 1 events	155	138	322	144	839	954
	0%	0%	0%	0%	0%	0%
grade 2 events	9408	4763	38818	8119	88732	50331
	4%	2%	17%	4%	22%	8%
grade 3 events	1196	1412	10098	1474	38423	71041
	0%	0%	4%	0%	9%	12%
grade 4 events	2281	1429	9994	1467	38089	61495
	1%	0%	4%	0%	9%	10%
grade 5 events	2415	2510	10609	2559	11998	9075
	1%	1%	4%	1%	2%	1%
grade 6 events	2675	2129	32889	2330	75517	82511
	1%	1%	14%	1%	18%	14%
grade 7 events	159962	142073	59042	156932	42066	174608
	79%	80%	26%	78%	10%	29%

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	128.859490	128.8591640935489	Subarray requested	NONE	NONE
Pointing Dec	-45.179717	-45.1524617154074	Alternating exposures requested	N	N
Pointing Roll	59.589376	59.74577359583418	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	123099859.184000	123098710.86138			
Observation start date	2001-11-25T18:23:15	2001-11-25T18:05:10			
Observation end time	123117859.184000	123119381.52471			
Observation end date	2001-11-25T23:23:15	2001-11-25T23:49:41			
Read mode	TIMED	TIMED			

2.3 Aspect



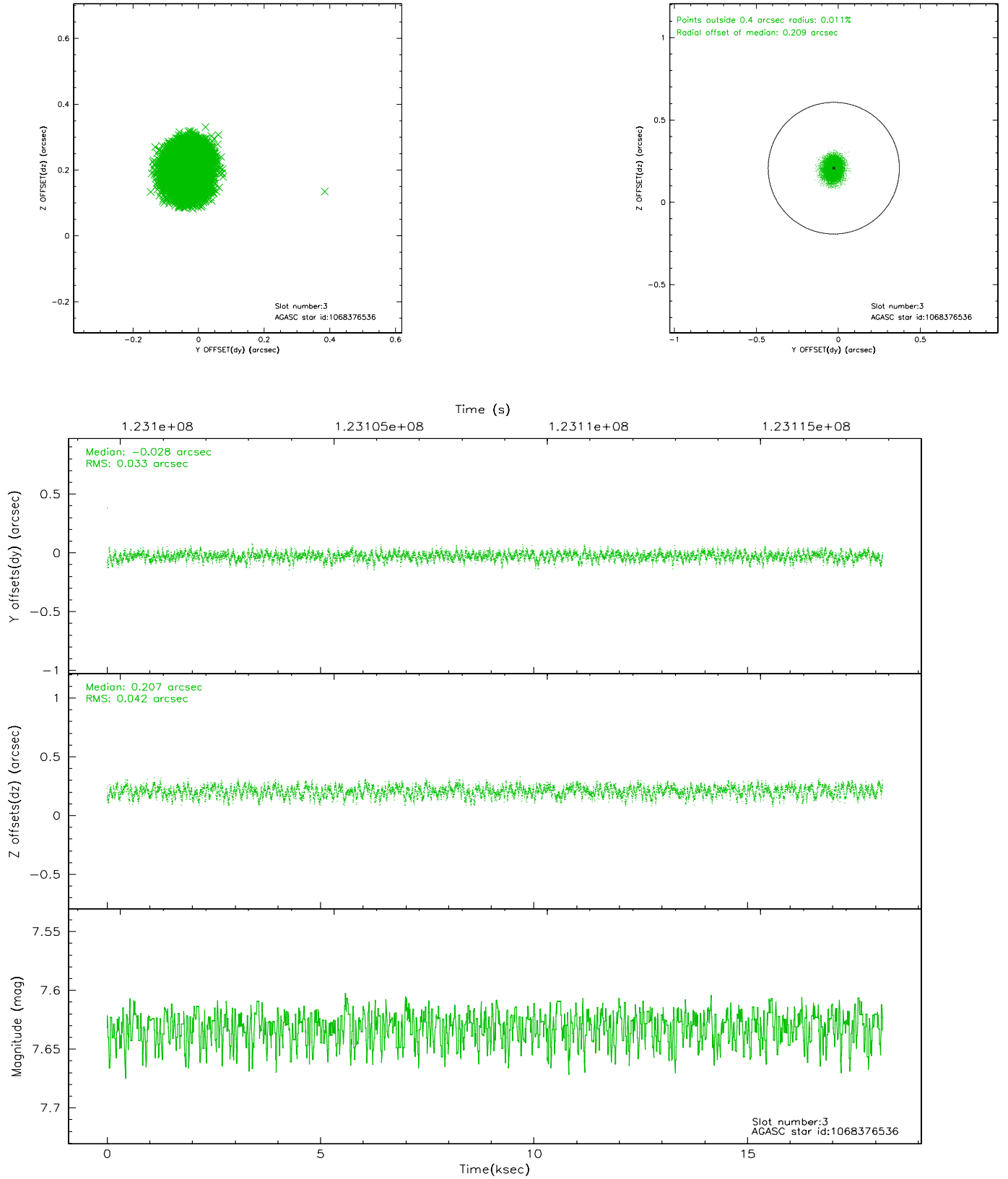


Slot Statistics

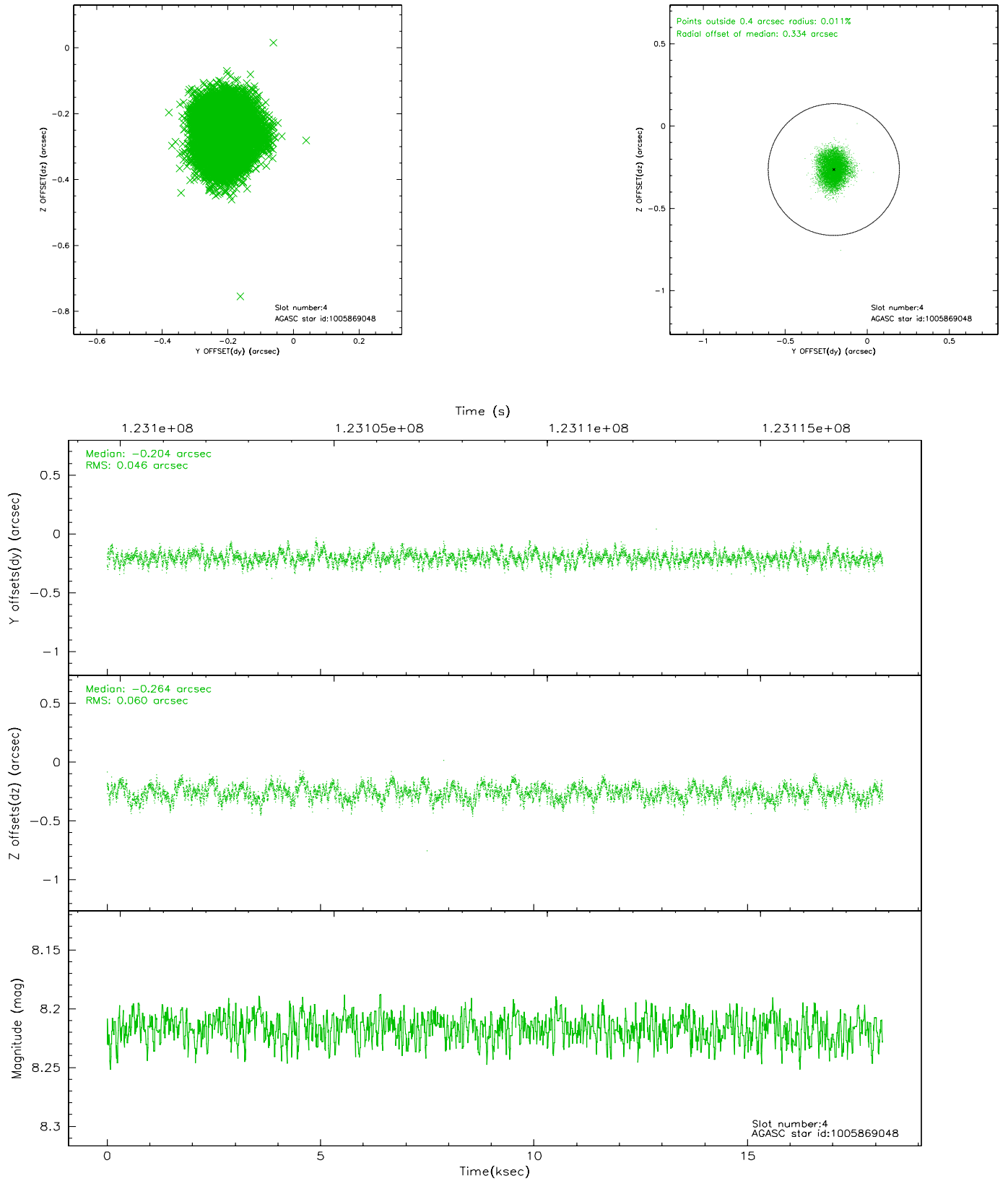
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4432	0.006	0.031	0.009	0.015	0.000000	0.000000	-755.55	-1728.41
1	FID	ACIS-S-4	7.20	4431	-0.083	-0.011	0.005	0.009	0.000000	0.000000	2157.54	179.80
2	FID	ACIS-S-5	7.23	4431	0.046	-0.011	0.008	0.014	0.000000	0.000000	-1808.06	173.73
3	GUIDE	1068376536	7.63	8863	-0.028	0.207	0.057	0.090	129.556408	-45.593502	-402.30	-2271.56
4	GUIDE	1005869048	8.22	8863	-0.204	-0.264	0.081	0.127	128.429058	-44.495949	1560.28	2197.77
5	GUIDE	1068239704	8.57	8857	0.050	0.089	0.070	0.112	129.331182	-45.207211	517.55	-1083.05
6	GUIDE	1005872888	8.42	8861	-0.019	-0.111	0.068	0.107	128.718363	-44.887099	725.86	843.58
7	GUIDE	1068238552	9.30	8799	0.200	0.074	0.107	0.170	128.941120	-45.368483	-481.34	-521.84

2.4 Star Slots

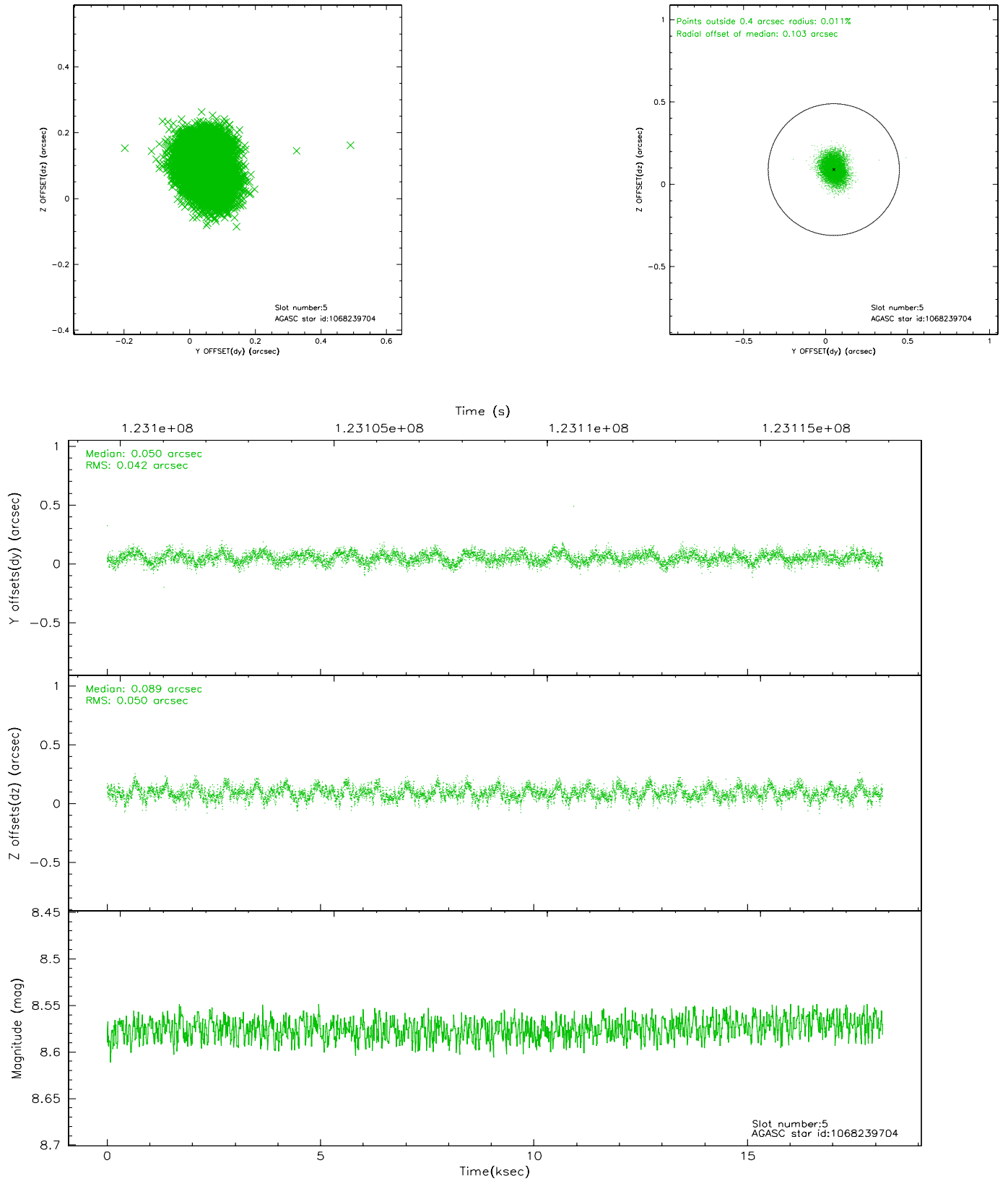
2.4.1 Slot 3



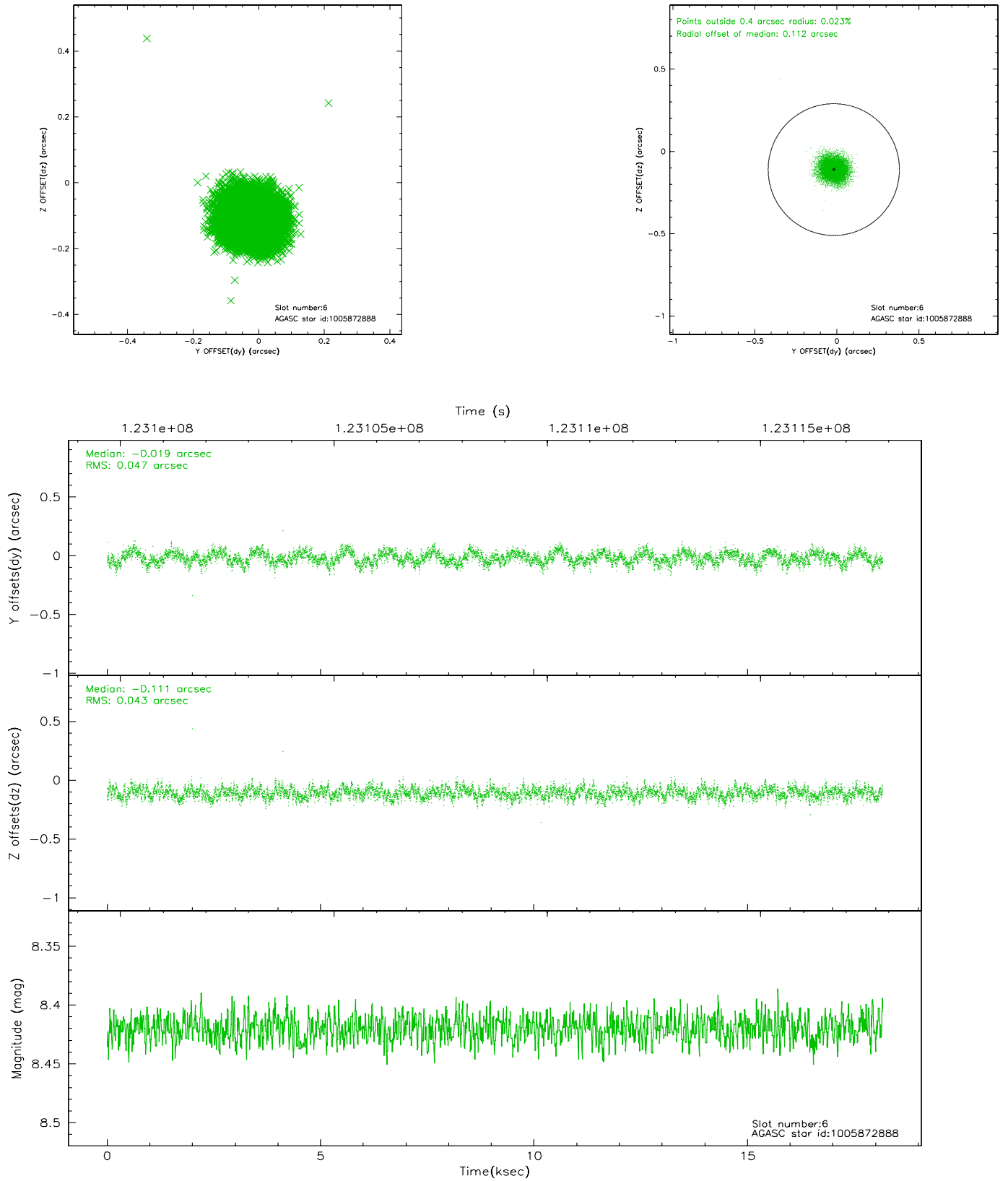
2.4.2 Slot 4



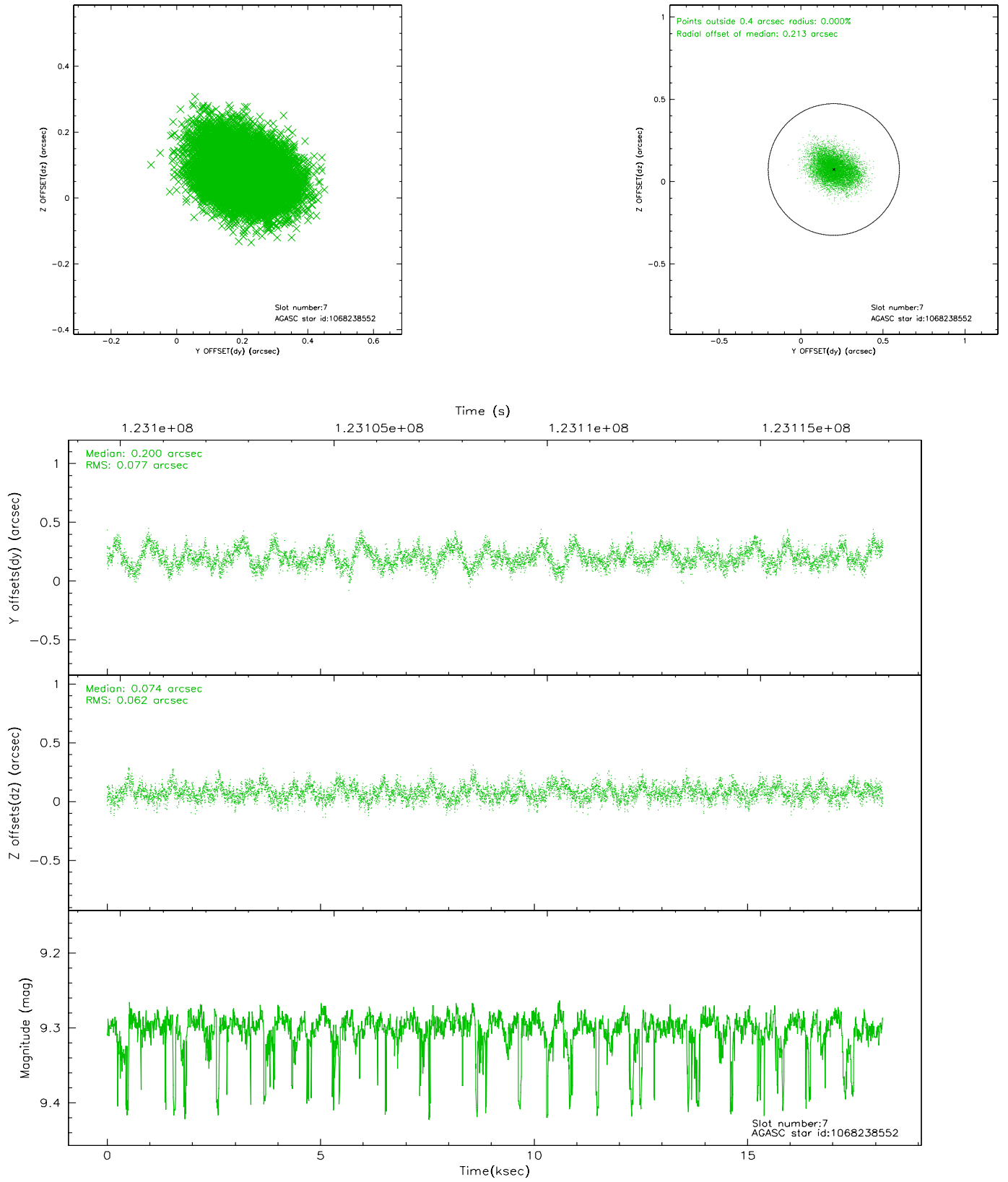
2.4.3 Slot 5



2.4.4 Slot 6

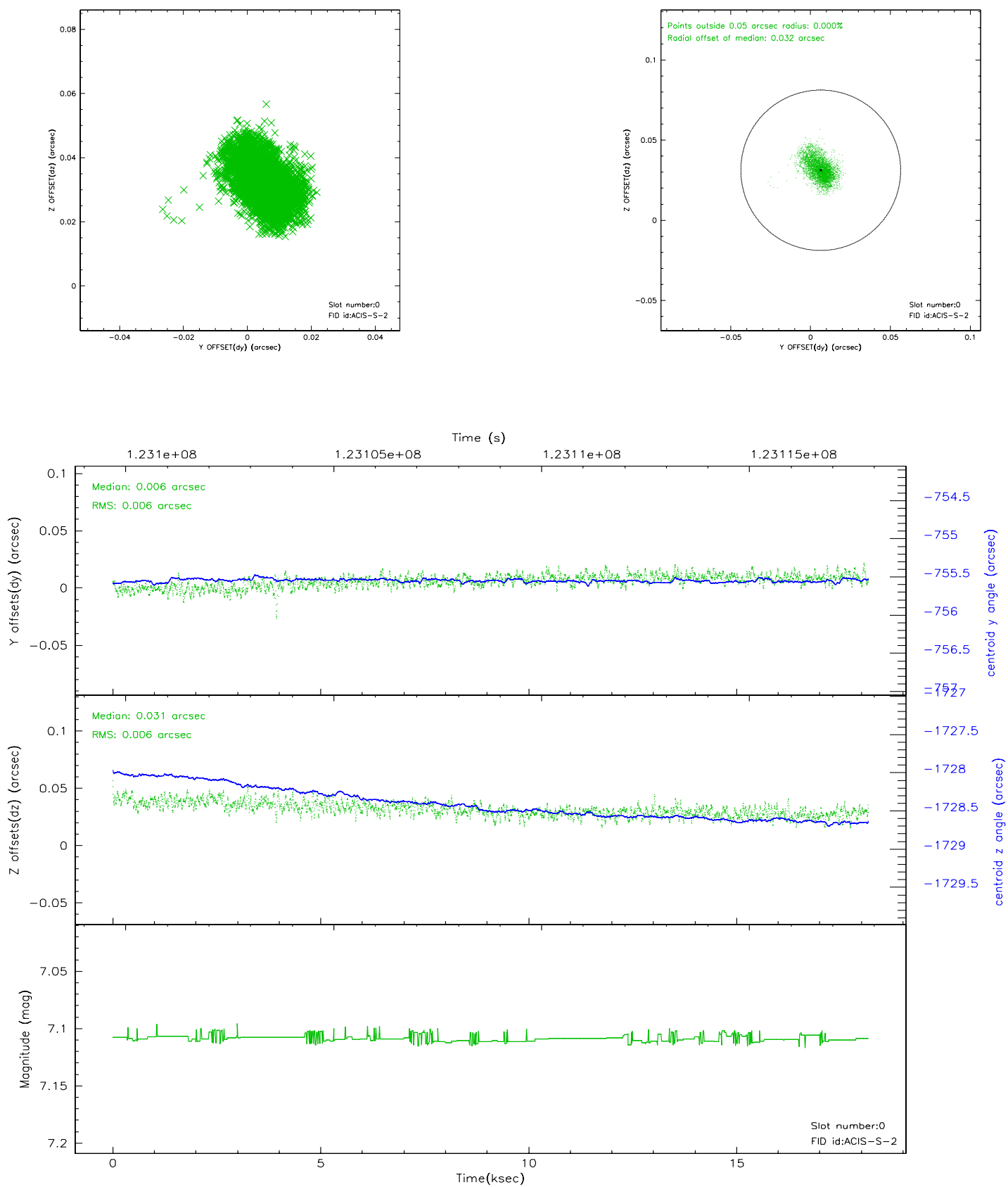


2.4.5 Slot 7

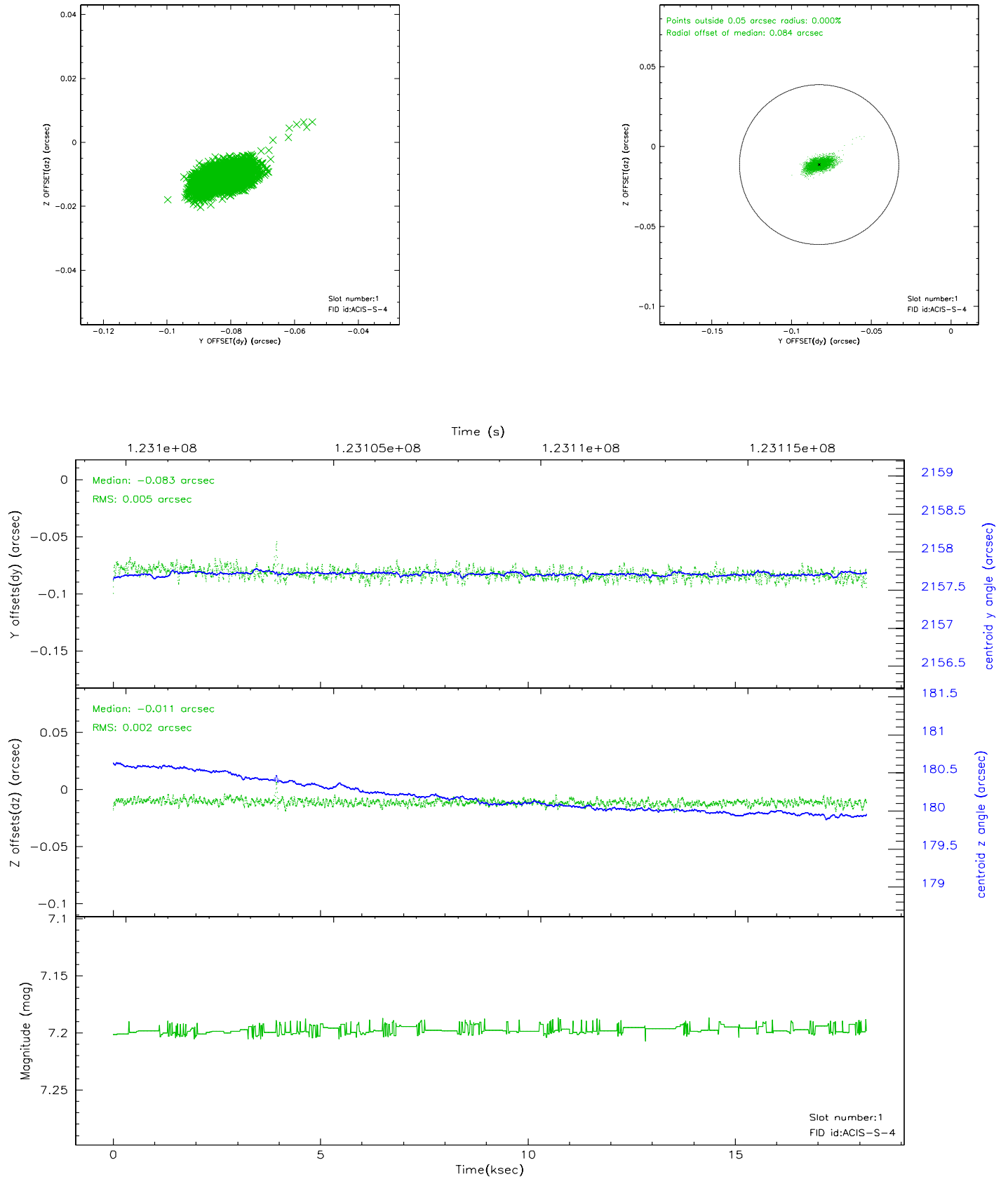


2.5 FID Slots

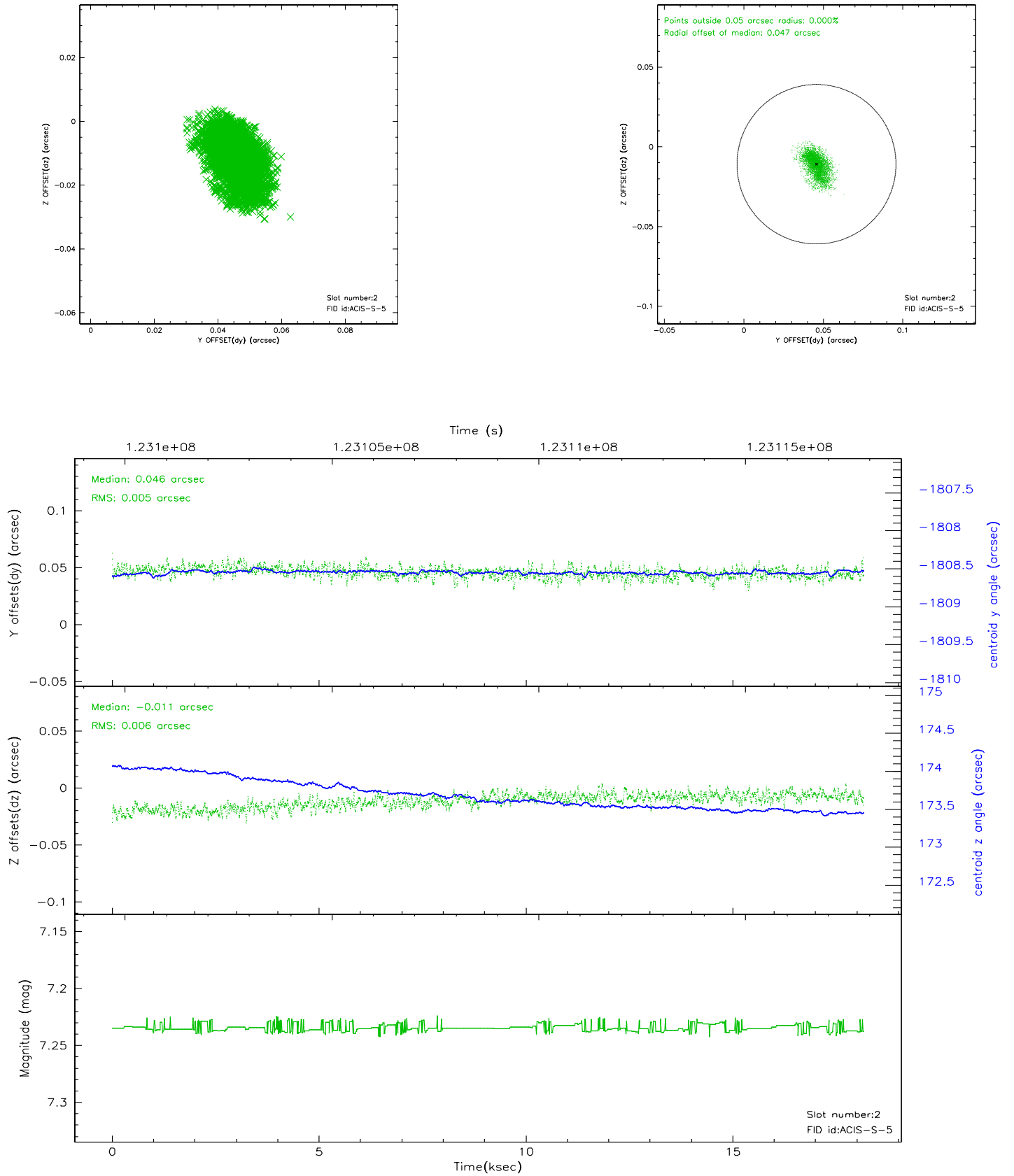
2.5.1 Slot 0



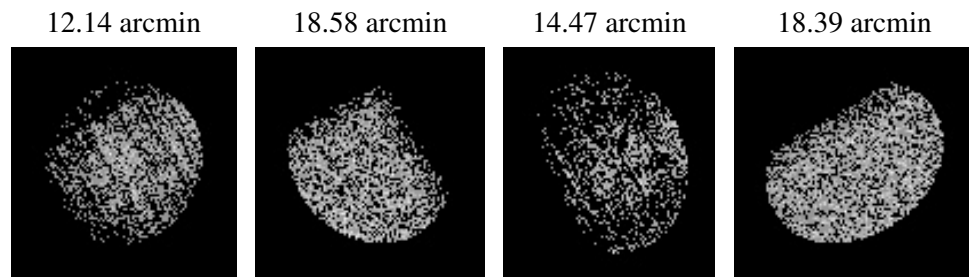
2.5.2 Slot 1



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	18.163

A.2 Comments