

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2815 - L2 Version 001
Chandra X-Ray Center

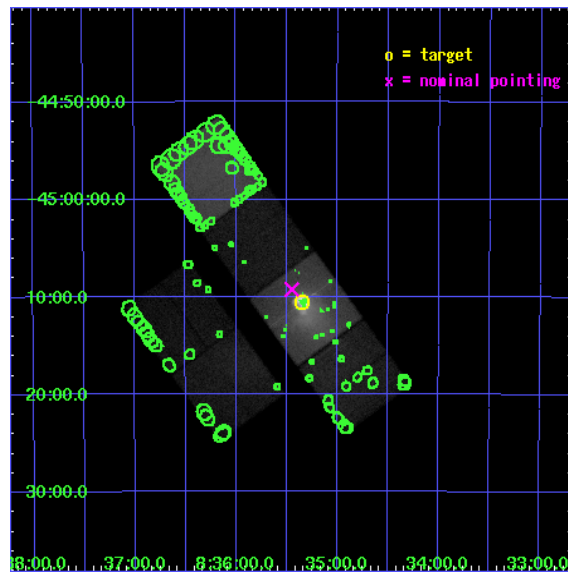
L2 Processing Date : Jan 21 2007

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1 Front

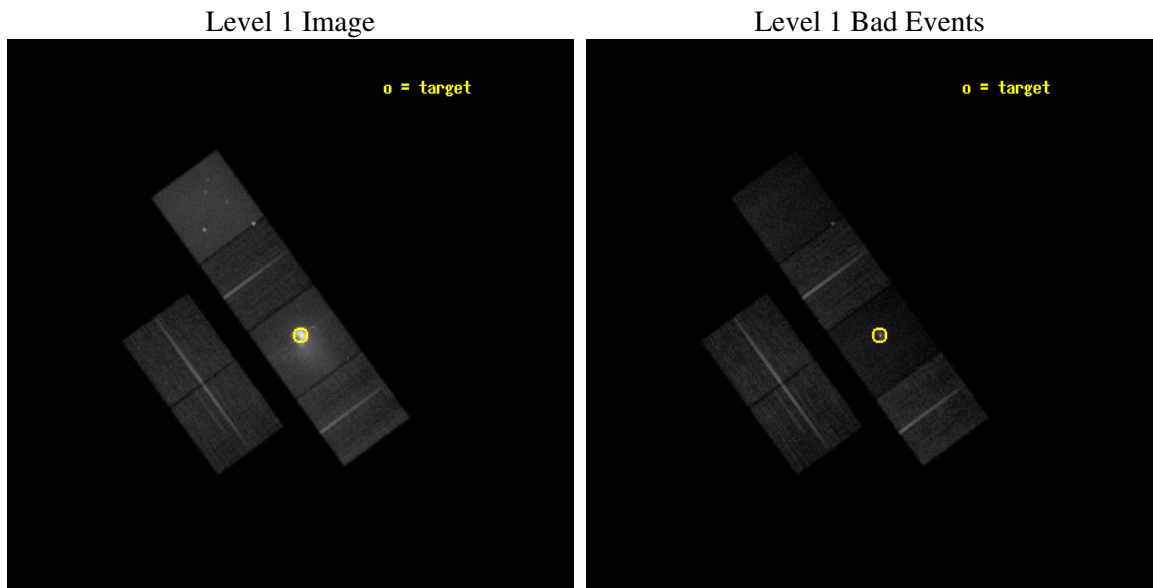
seq_num	500265
obs_id	2815
title	THE DYNAMICAL PULSAR-WIND NEBULA IN THE VELA SNR
observer	Dr. George Pavlov
object	VELA PWN
dtcycle	0
cycle	P
ra_targ	128.83625
dec_targ	-45.176667
ra_nom	128.86255671995
dec_nom	-45.154218020989
roll_nom	53.909721346412
revision	2
ontime	27302.195174262
livetime	26956.478339557
ontime2	27308.677084833
ontime3	27305.436144501
ontime5	27305.436164439
ontime6	27308.677084833
ontime7	27302.195174262
ontime8	27308.677114755
l2events	854211



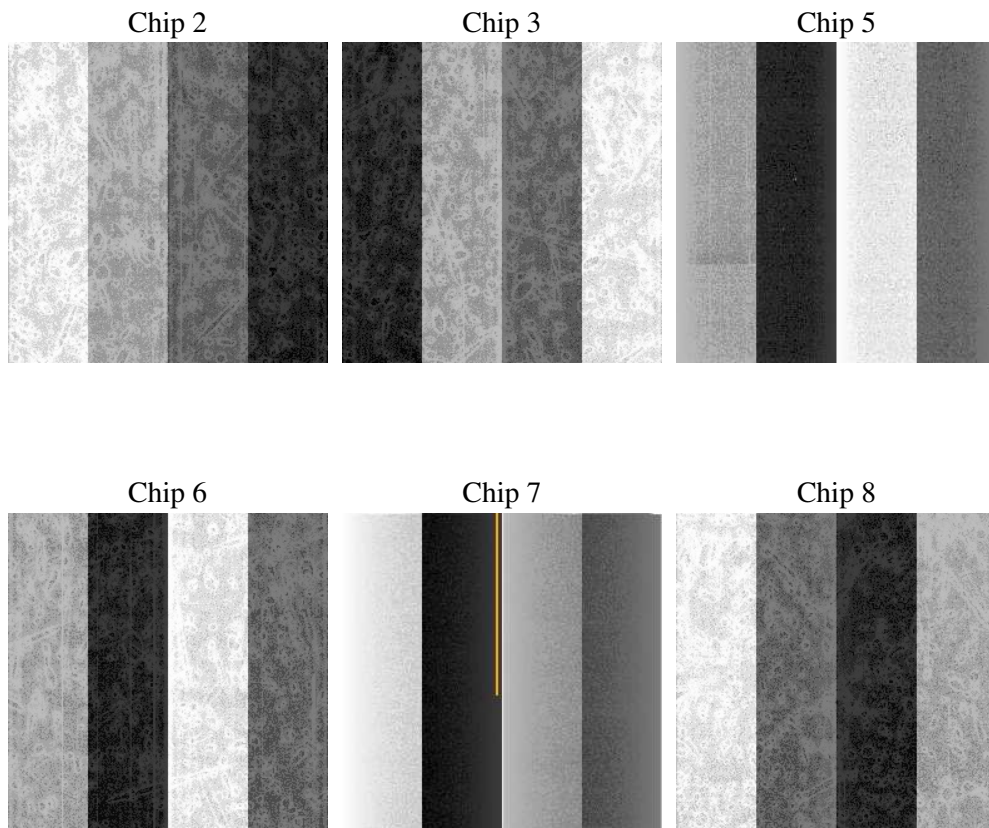
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-20T13:33:38
revision	2

sched_exp_time	27360.705000
ontime	27302.195174262
ontime2	27308.677084833
ontime3	27305.436144501
ontime5	27305.436164439
ontime6	27308.677084833
ontime7	27302.195174262
ontime8	27308.677114755
l1events	1581566

2.1.4 Events

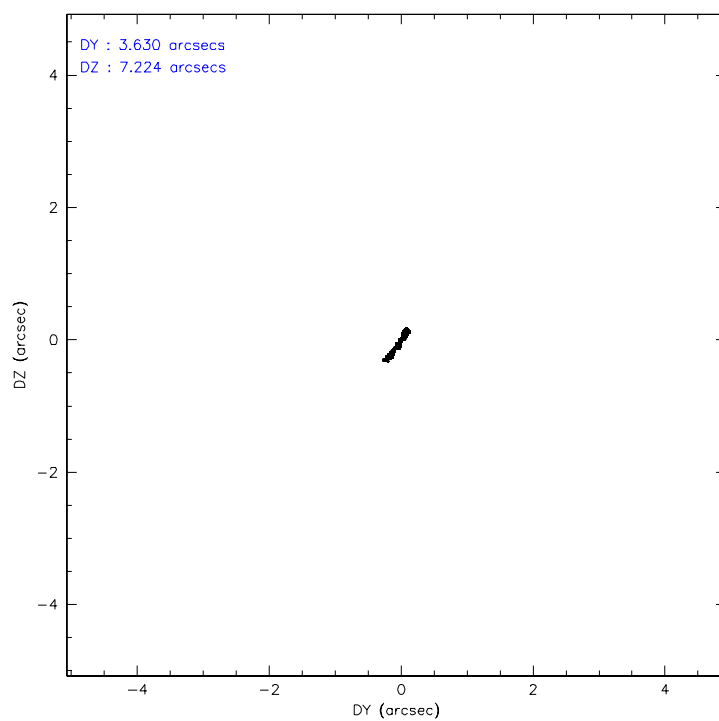
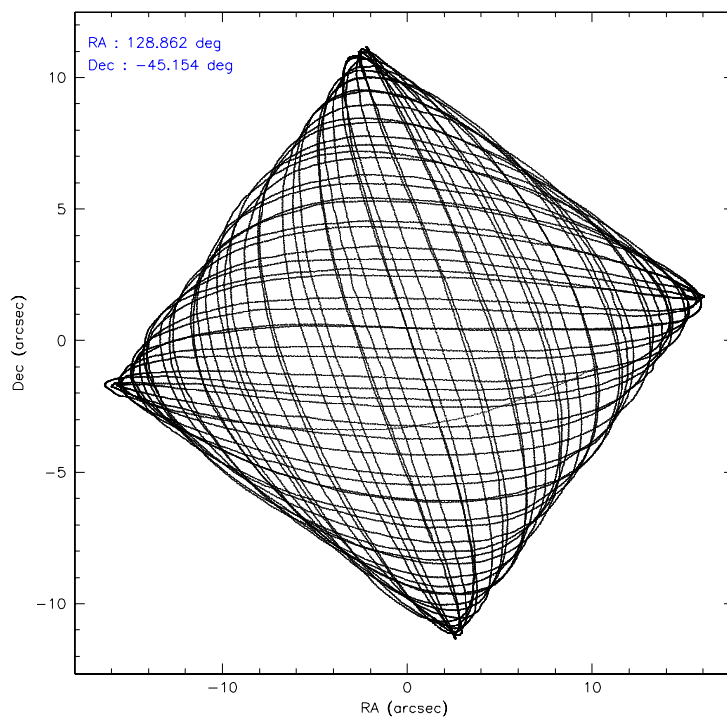
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	169717	167461	283691	169427	574939	216331
rejected events	136688	123945	76817	125155	76311	134031
rejected %	80%	74%	27%	73%	13%	61%

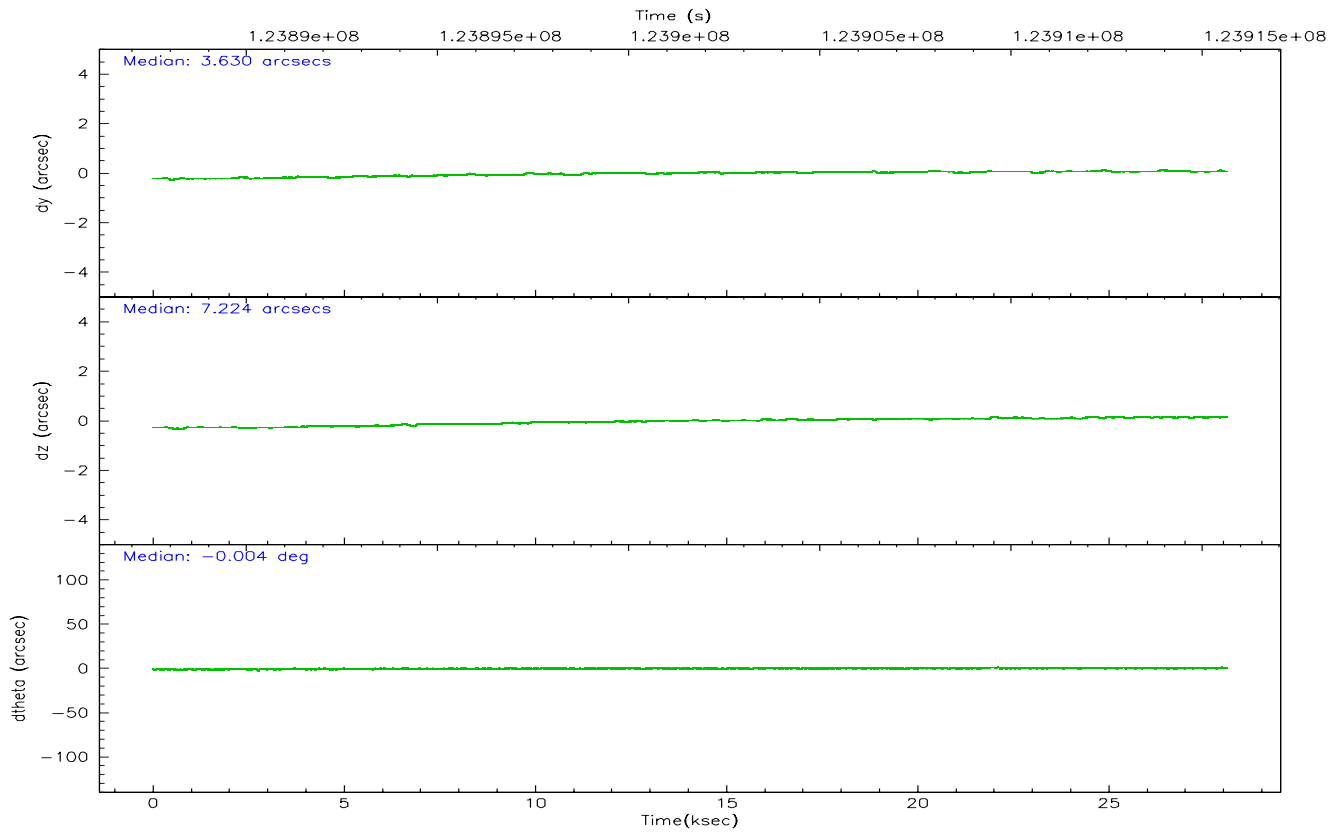
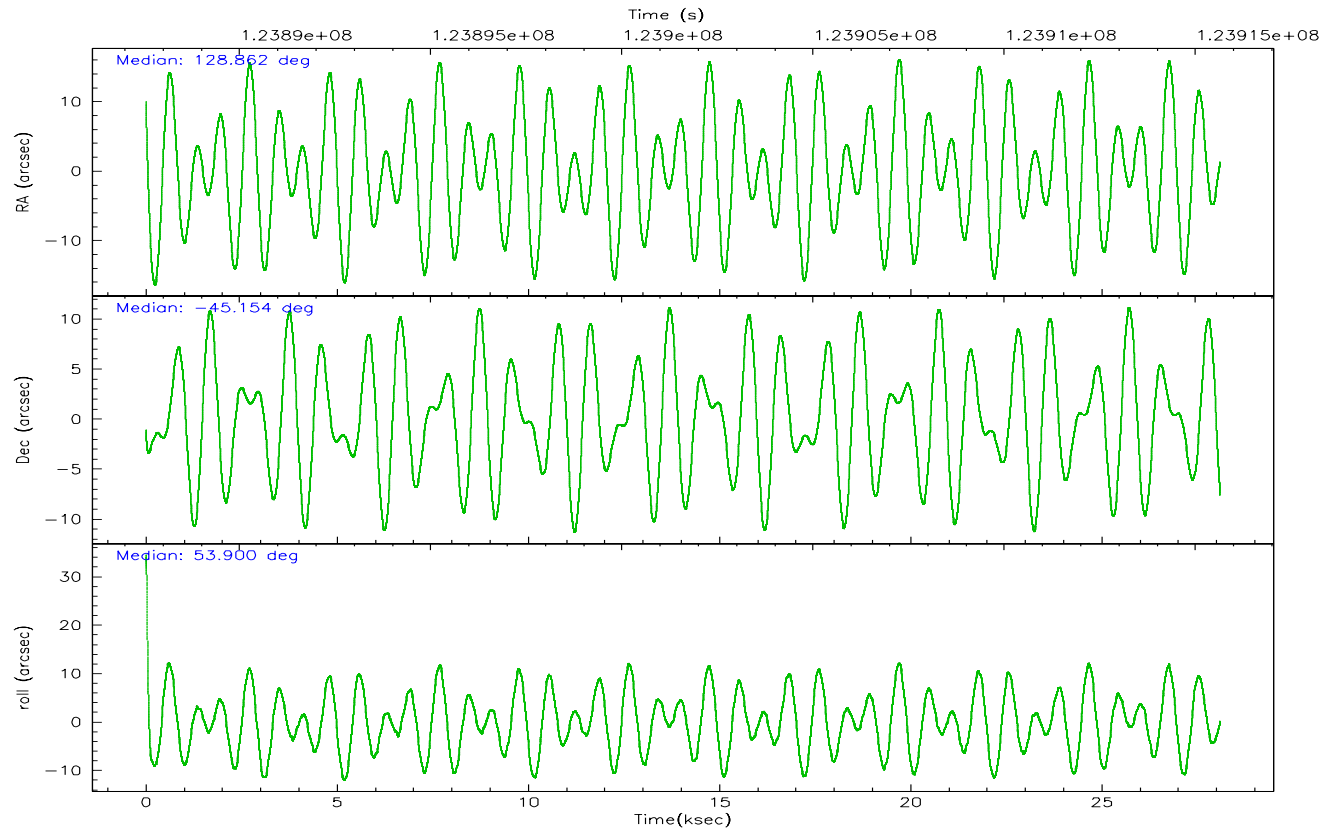
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	22250	31568	88684	31809	160206	49305
	13%	18%	31%	18%	27%	22%
grade 1 events	133	182	651	159	1068	244
	0%	0%	0%	0%	0%	0%
grade 2 events	4483	4862	47351	5176	124436	11712
	2%	2%	16%	3%	21%	5%
grade 3 events	1832	2162	12285	2168	54935	5395
	1%	1%	4%	1%	9%	2%
grade 4 events	1826	2086	11683	2058	54189	5010
	1%	1%	4%	1%	9%	2%
grade 5 events	3672	4145	14533	4382	17577	6478
	2%	2%	5%	2%	3%	2%
grade 6 events	2642	2847	46910	3065	104987	10900
	1%	1%	16%	1%	18%	5%
grade 7 events	132879	119609	61594	120610	57541	127287
	78%	71%	21%	71%	10%	58%

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	128.858934	128.8625567199493	Subarray requested	NONE	NONE
Pointing Dec	-45.181359	-45.15421802098895	Alternating exposures requested	N	N
Pointing Roll	53.750512	53.90972134641181	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	123888284.184000	123887051.20544			
Observation start date	2001-12-04T21:23:40	2001-12-04T21:04:11			
Observation end time	123915645.184000	123916092.5316			
Observation end date	2001-12-05T04:59:41	2001-12-05T05:08:12			
Read mode	TIMED	TIMED			

2.3 Aspect



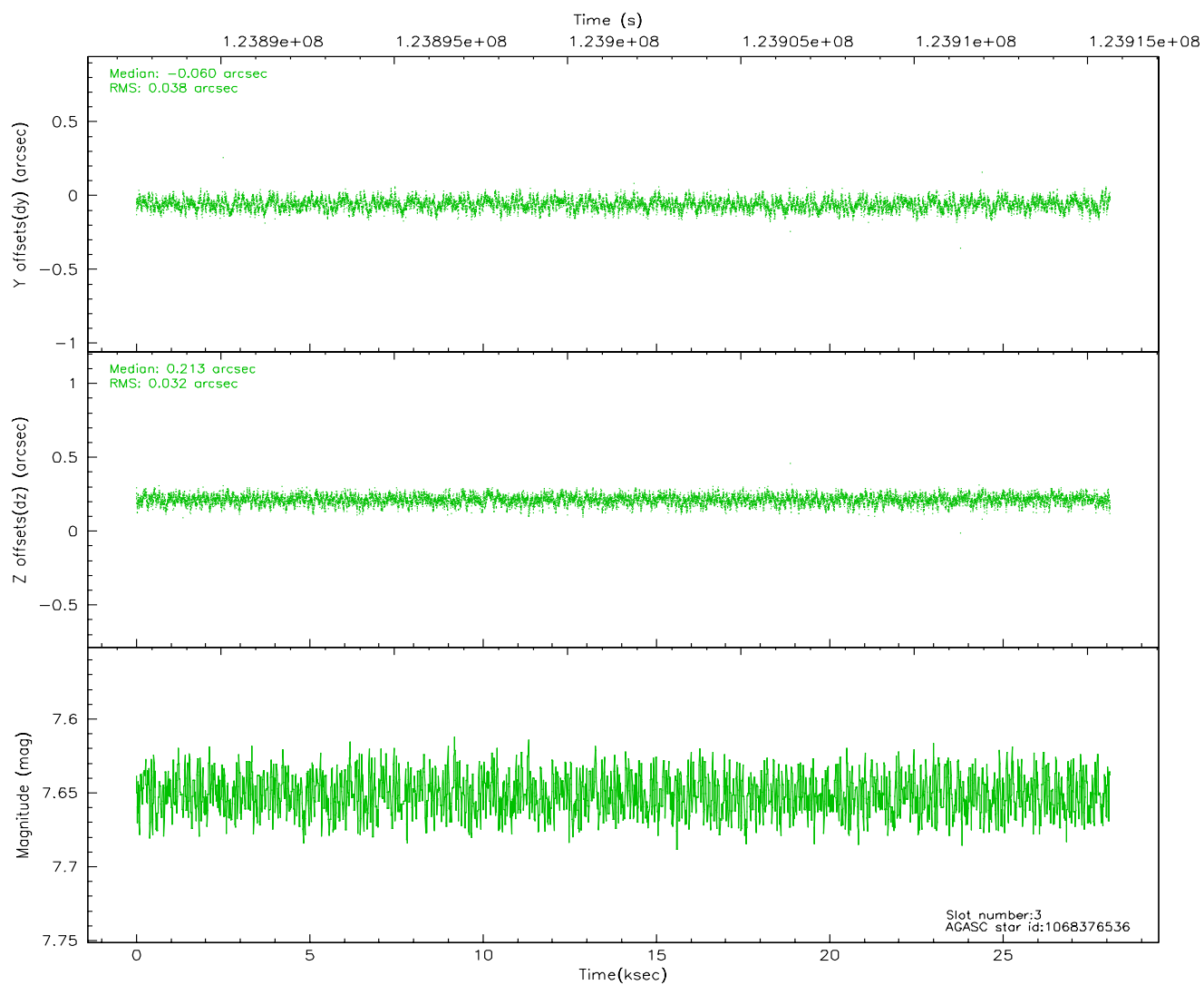
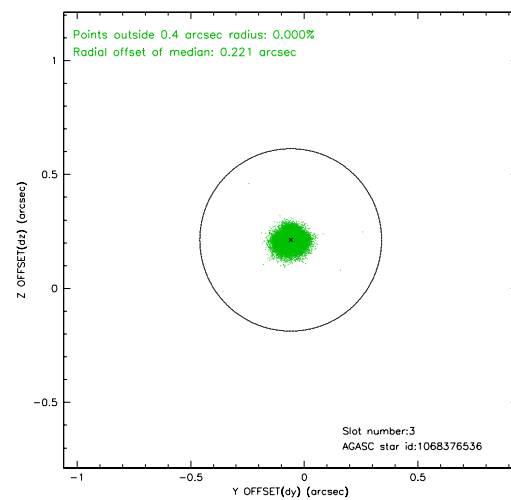
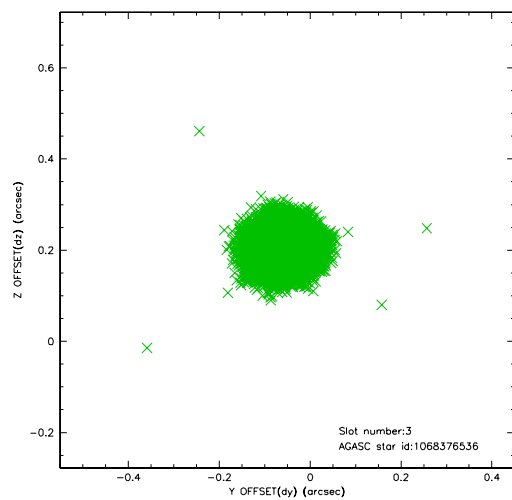


Slot Statistics

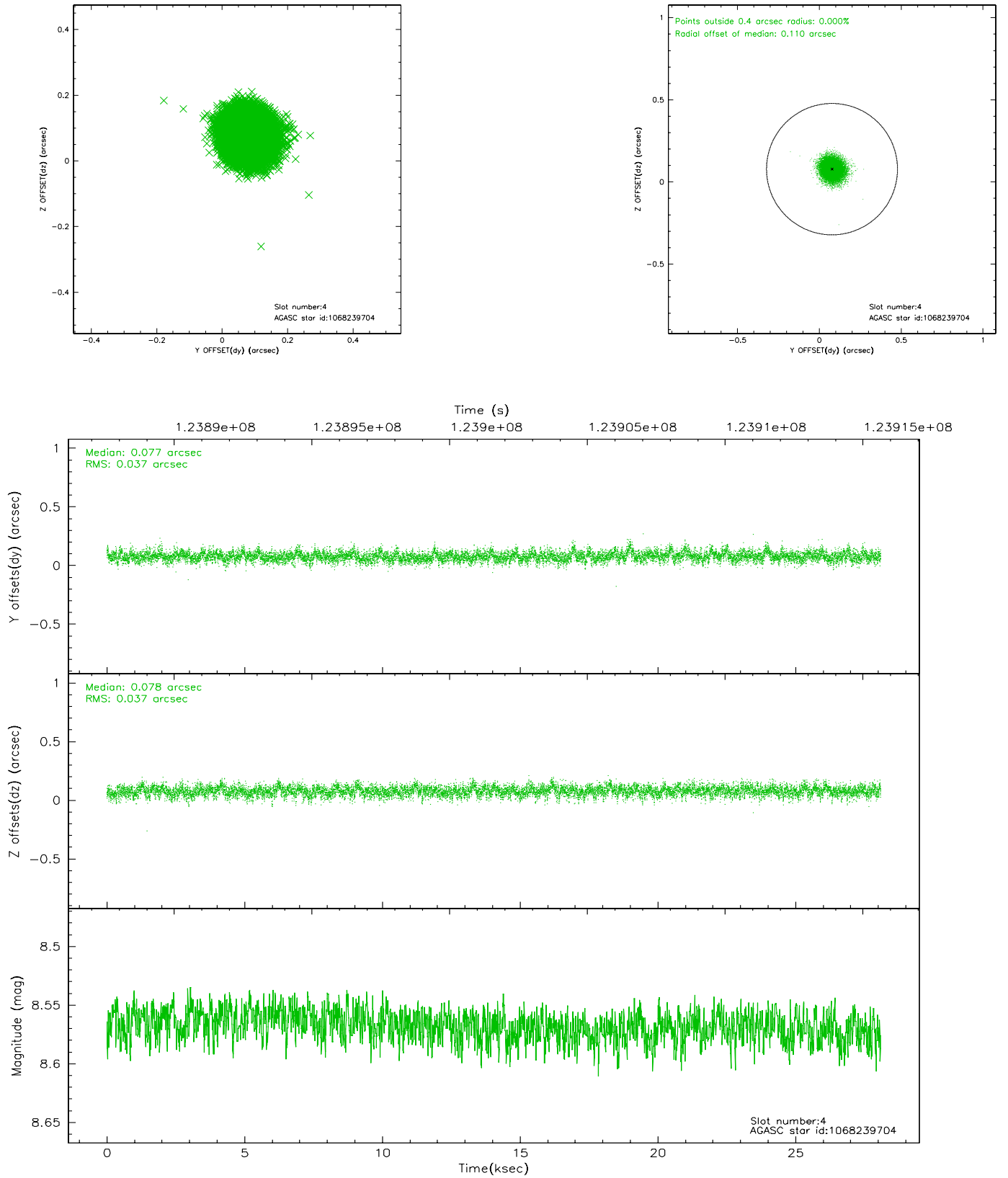
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	6845	-0.000	0.024	0.007	0.012	0.000000	0.000000	-756.26	-1728.34
1	FID	ACIS-S-4	7.20	6845	-0.048	-0.006	0.006	0.011	0.000000	0.000000	2156.93	180.03
2	FID	ACIS-S-5	7.24	6846	0.017	-0.009	0.008	0.015	0.000000	0.000000	-1808.97	173.79
3	GUIDE	1068376536	7.65	13696	-0.060	0.213	0.053	0.082	129.556408	-45.593502	-163.28	-2299.26
4	GUIDE	1068239704	8.57	13688	0.077	0.078	0.055	0.091	129.331182	-45.207211	630.77	-1023.80
5	GUIDE	1005869048	8.23	13694	-0.136	-0.269	0.079	0.121	128.429058	-44.495949	1334.52	2346.72
6	GUIDE	1068238552	9.30	13691	0.174	0.060	0.083	0.134	128.941120	-45.368483	-419.93	-566.62
7	GUIDE	1005871784	8.00	13692	-0.051	-0.077	0.067	0.105	128.533947	-44.544833	1353.33	2025.82

2.4 Star Slots

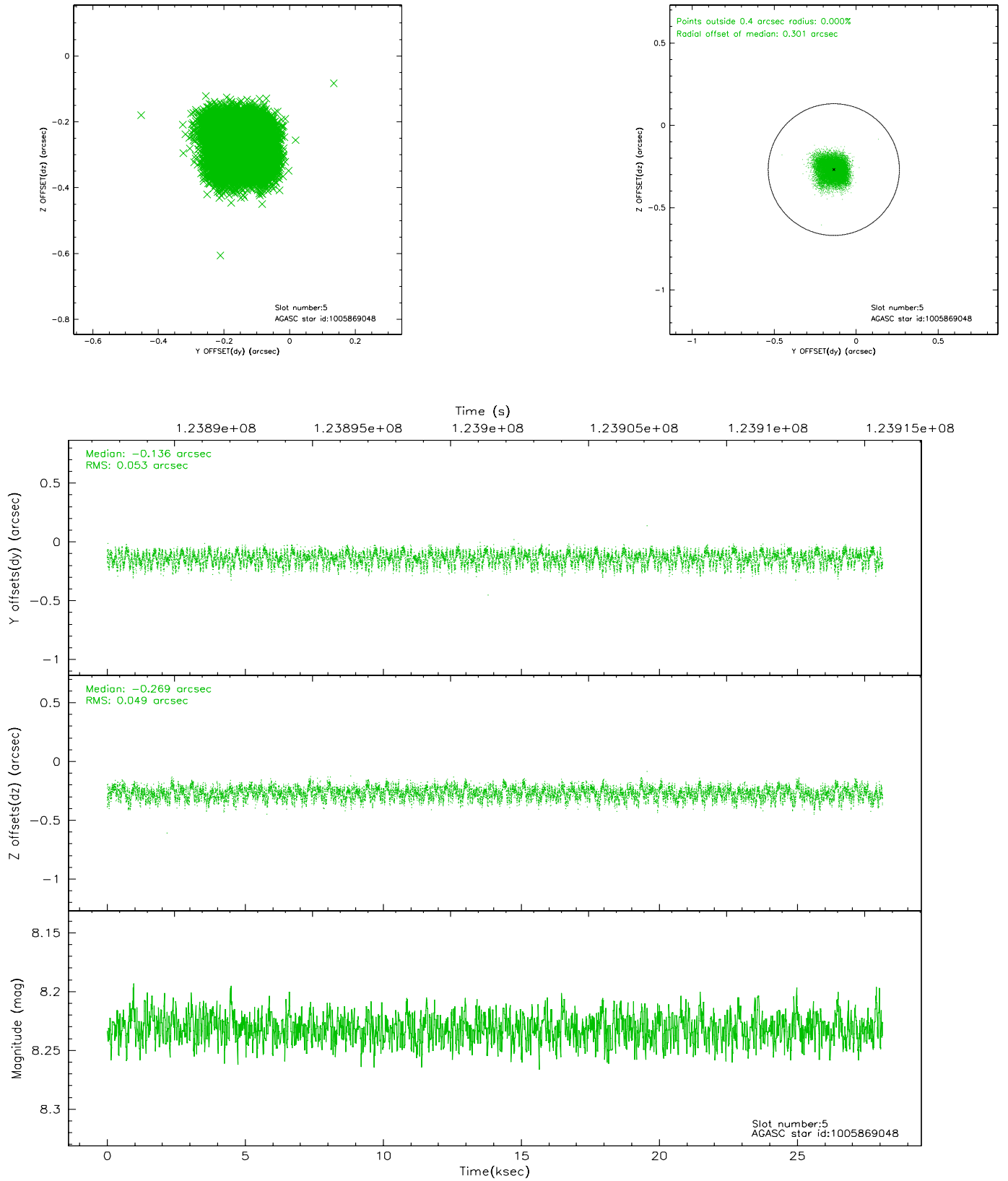
2.4.1 Slot 3



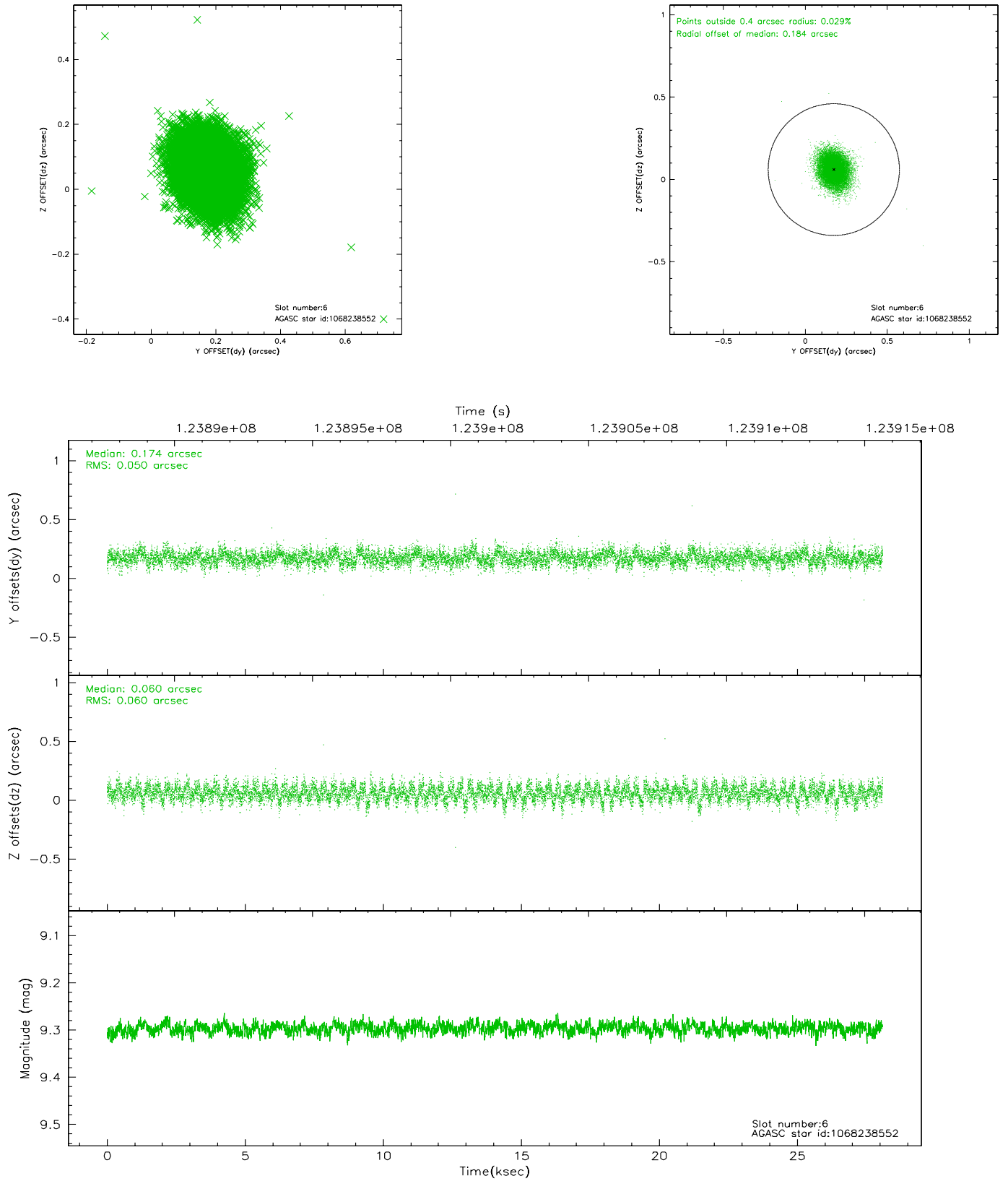
2.4.2 Slot 4



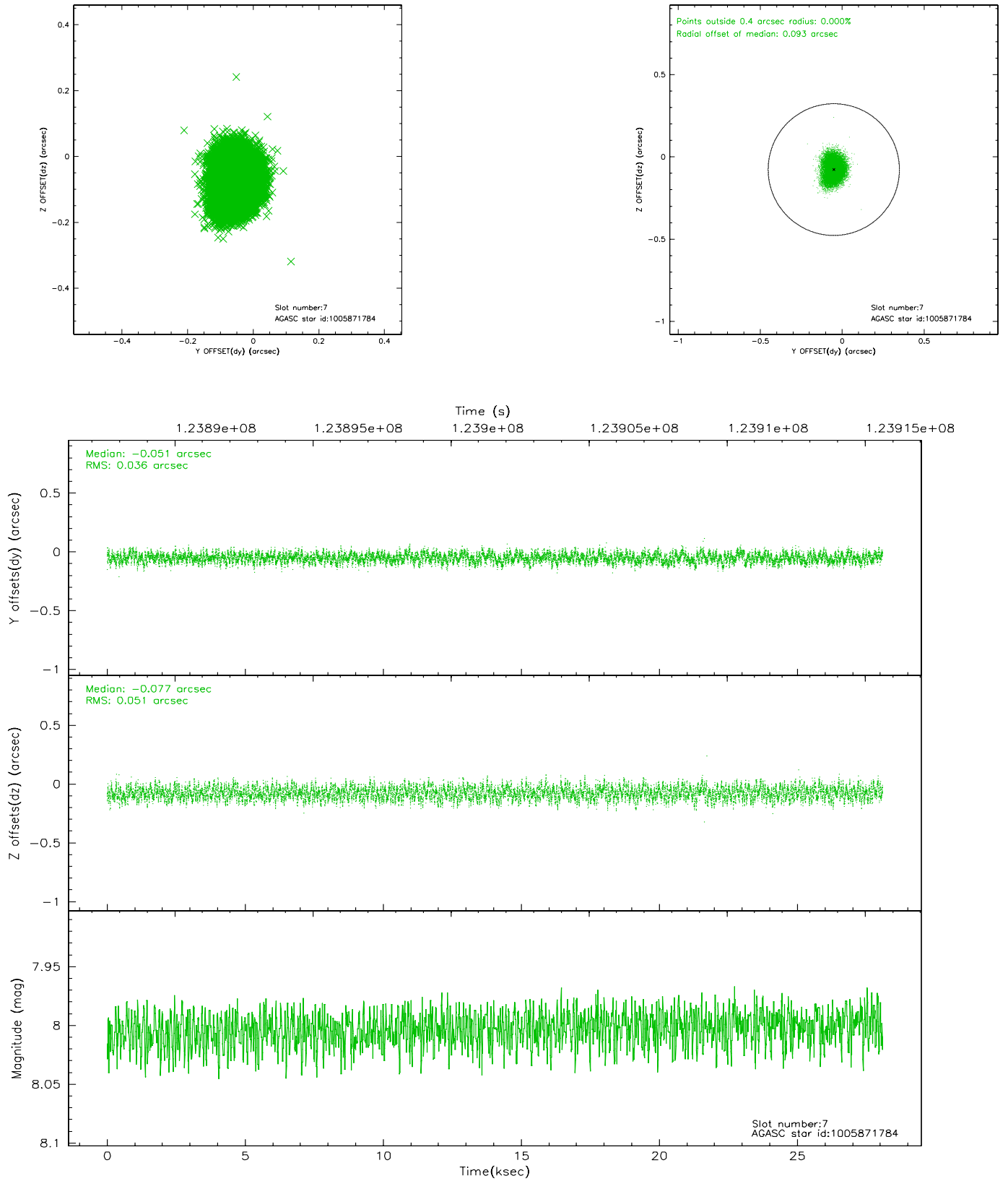
2.4.3 Slot 5



2.4.4 Slot 6

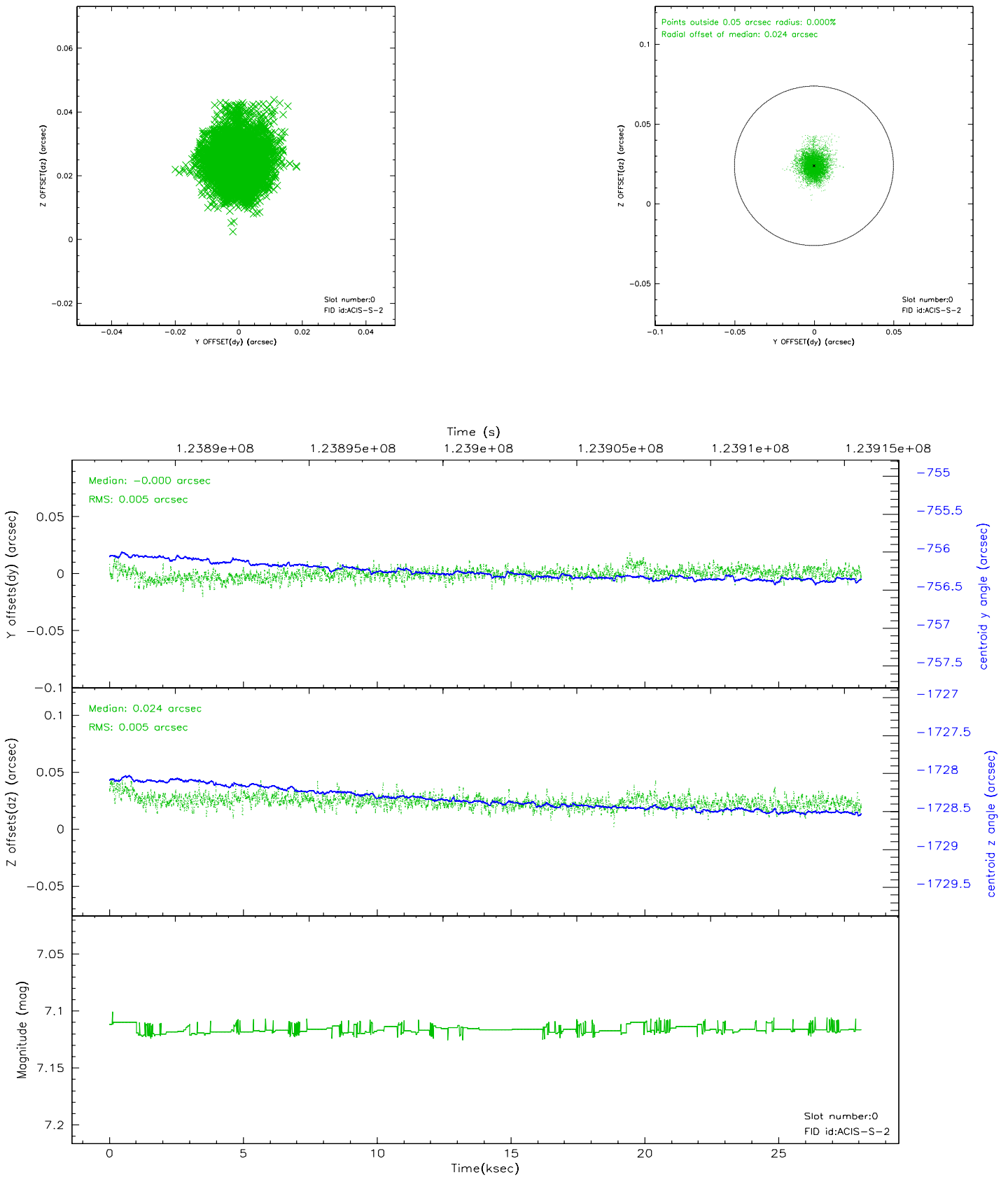


2.4.5 Slot 7

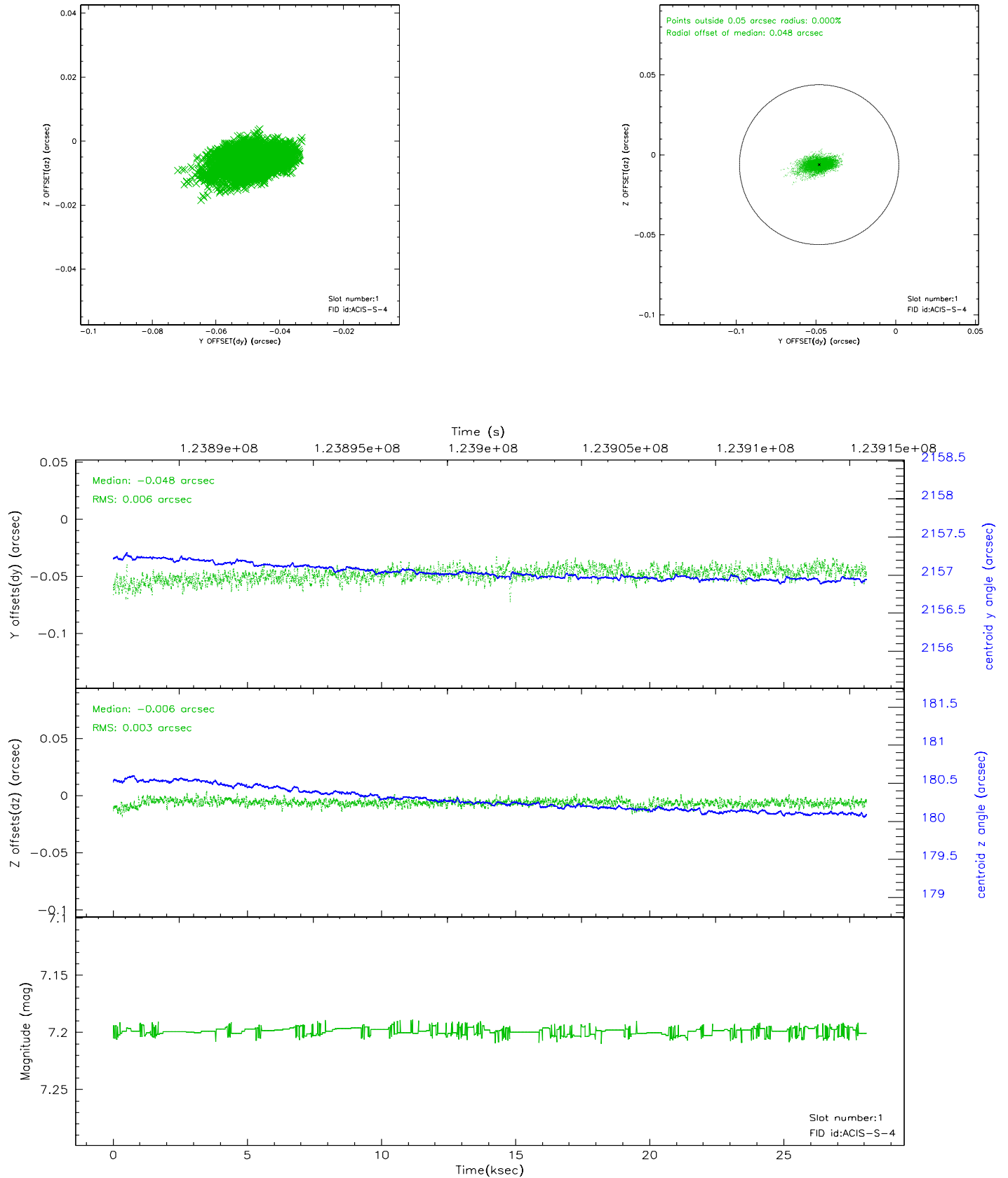


2.5 FID Slots

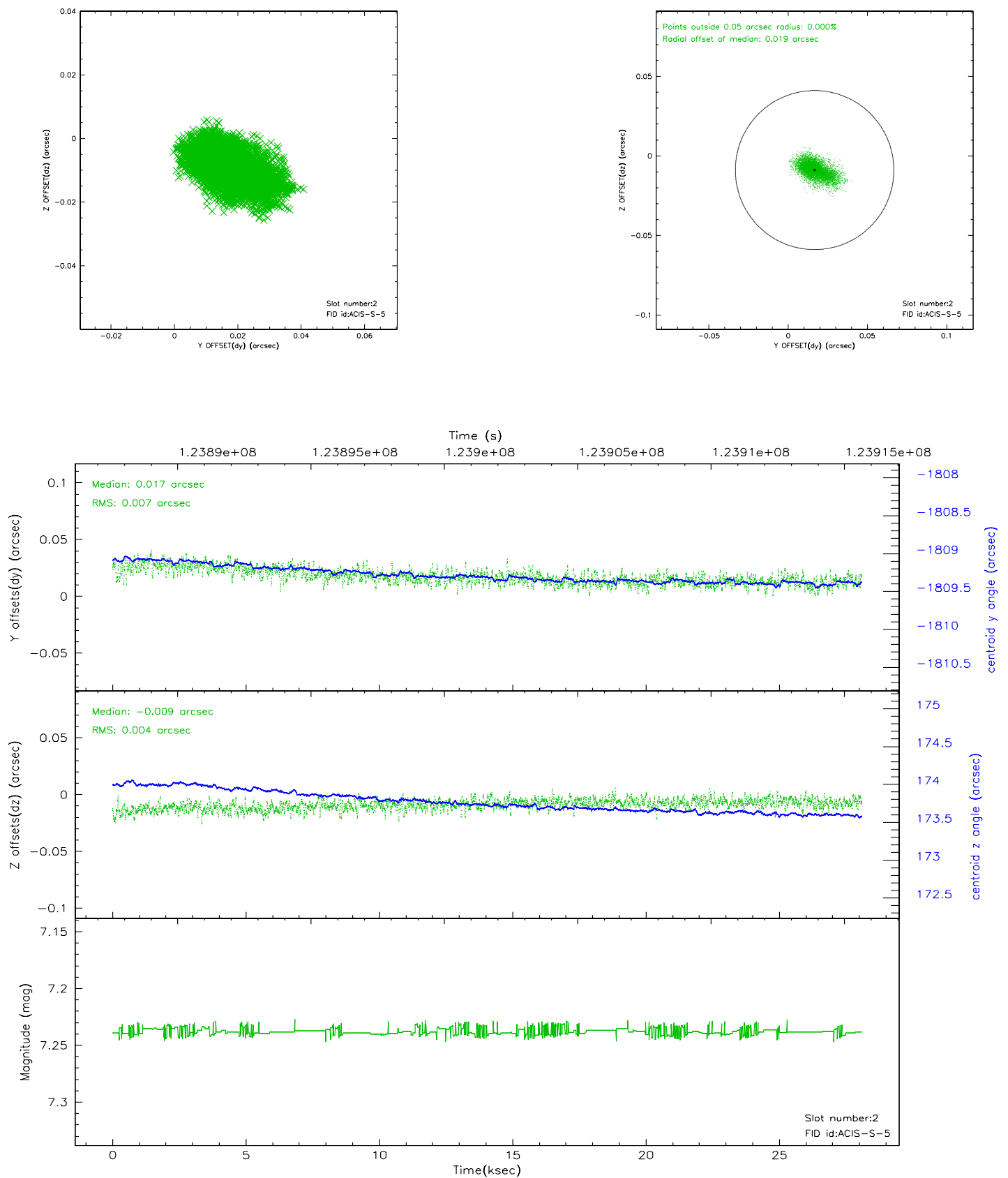
2.5.1 Slot 0



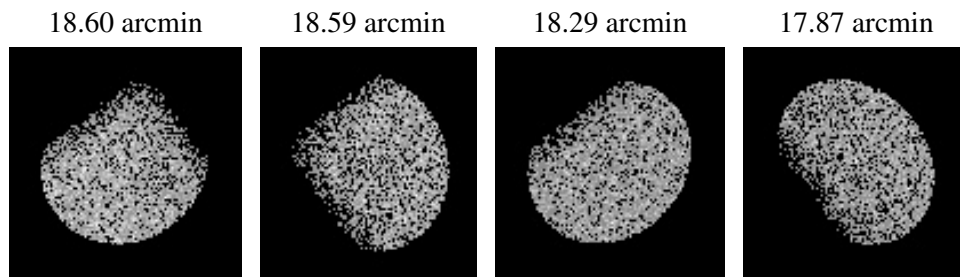
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.305

A.2 Comments

Monitor constraint not met, but is deemed acceptable by the PI.