

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5693 - L2 Version 002
Chandra X-Ray Center

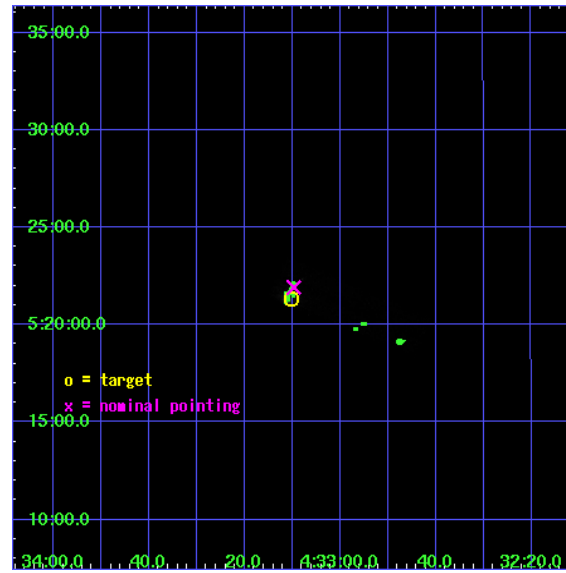
L2 Processing Date : Mar 15 2006

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1 Front

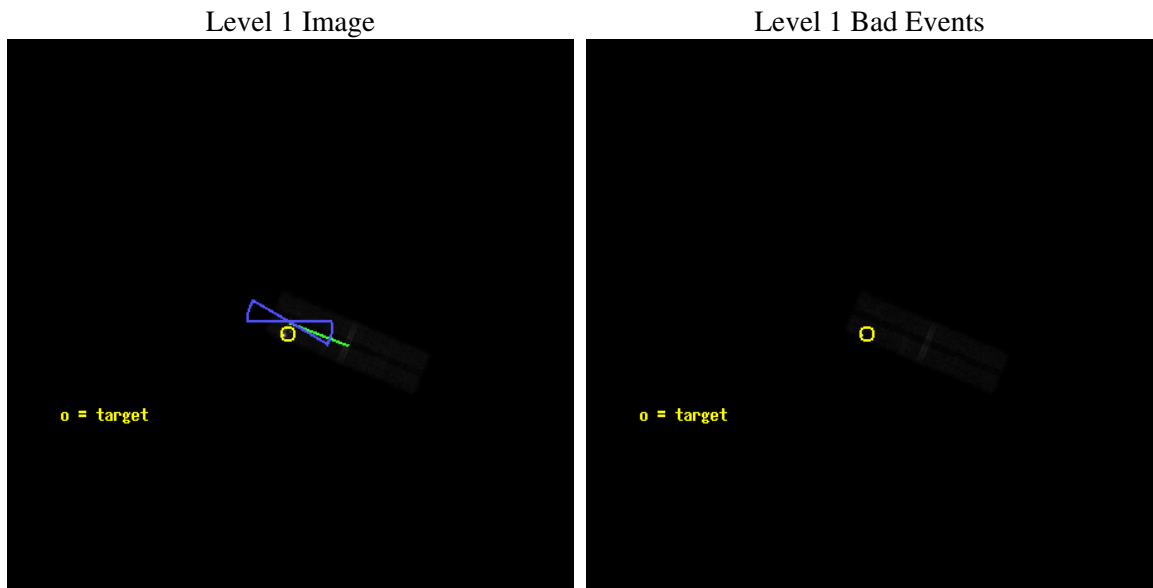
seq_num	701115
obs_id	5693
title	THE ENIGMATIC X-RAY JET OF 3C120
observer	Dr. Daniel Harris
object	3C120
dtcycle	0
cycle	P
ra_targ	68.2925
dec_targ	5.355556
ra_nom	68.290379898355
dec_nom	5.3652612208307
roll_nom	112.89301109028
revision	2
ontime	57132.0
livetime	52798.314357534
ontime2	57130.917939931
ontime3	57132.0
l2events	120209



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-15T11:14:28
revision	2

sched_exp_time	57000.000000
ontime	58148.115712315
ontime2	58147.033652246
ontime3	58148.115712315
l1events	305174

2.1.4 Events

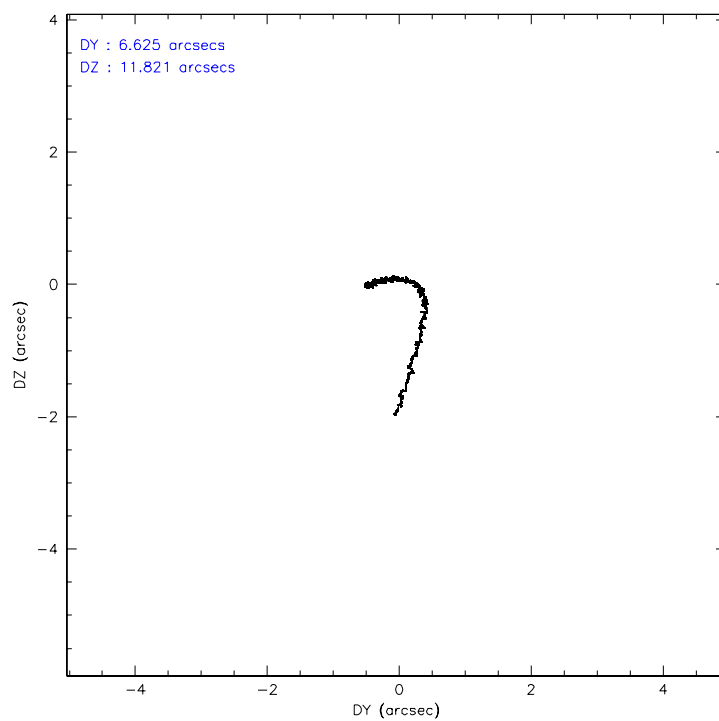
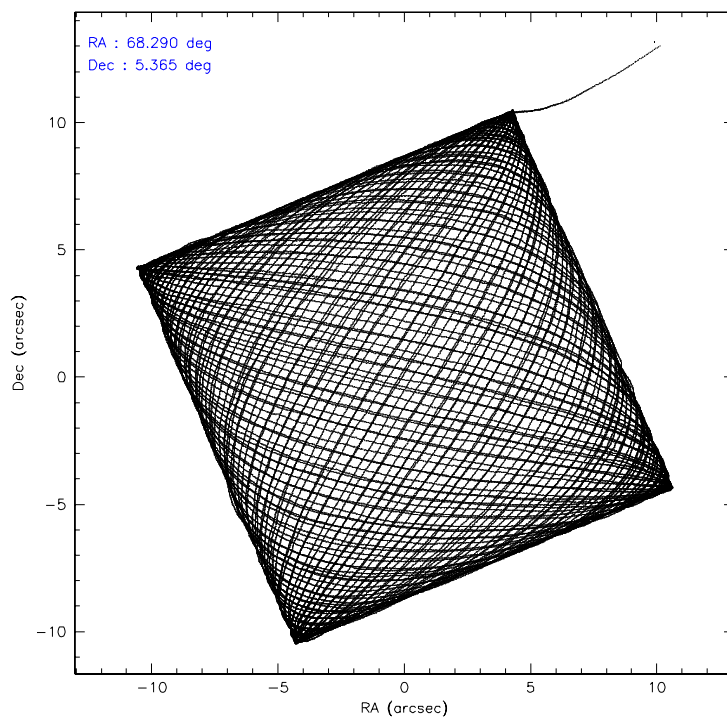
	ccd 2	ccd 3
level 1 events	77655	227519
rejected events	67634	113273
rejected %	87%	49%

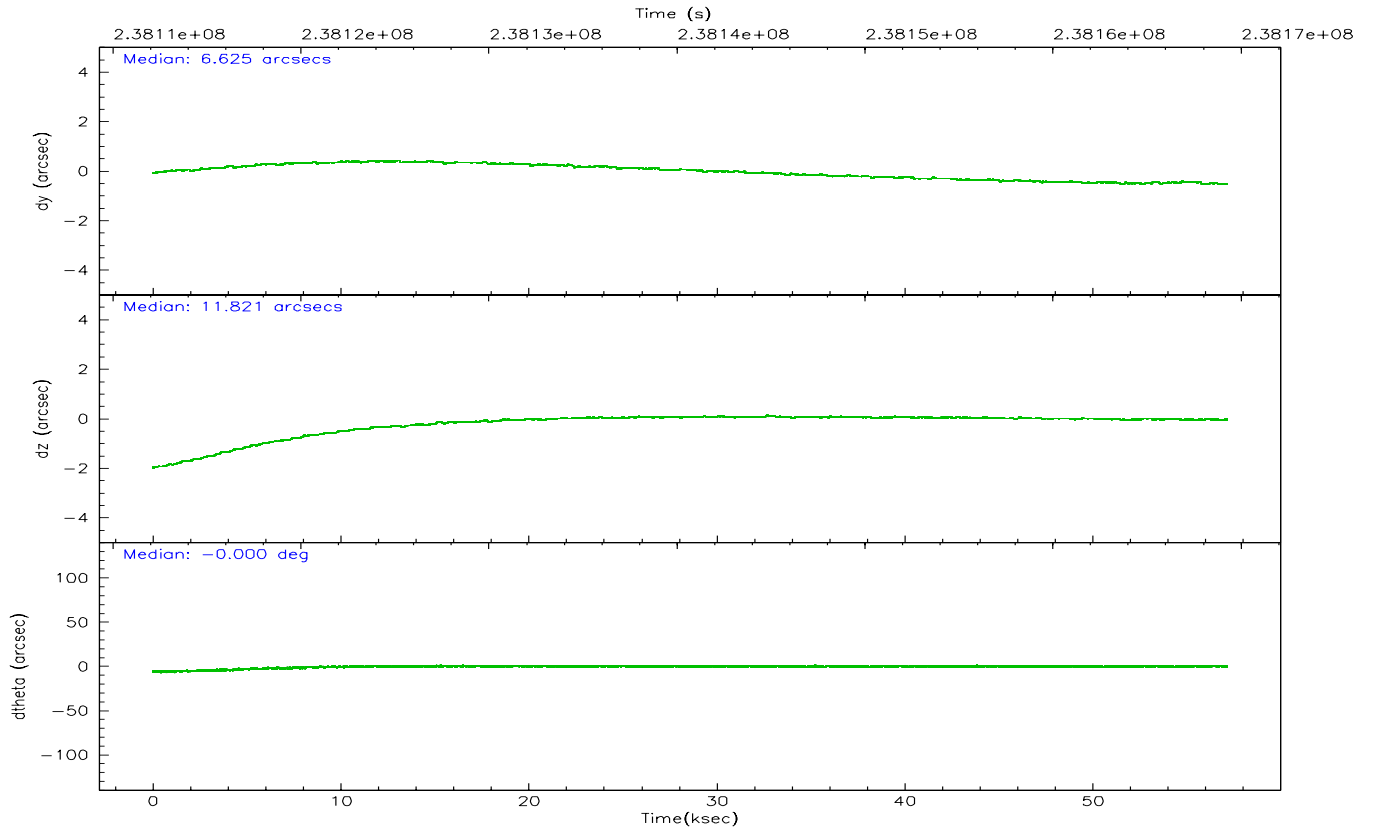
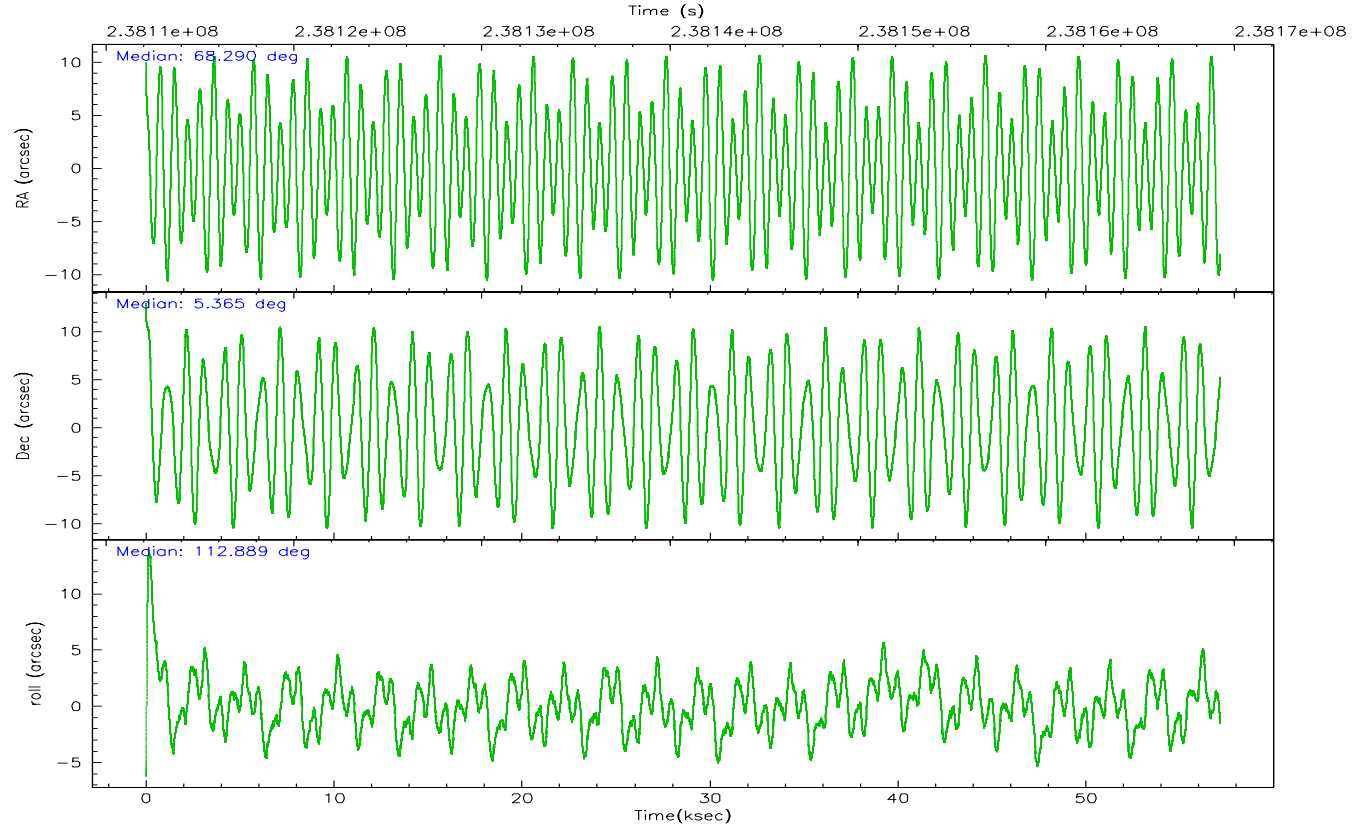
	ccd 2	ccd 3
grade 0 events	4272	58013
	5%	25%
grade 1 events	41	13789
	0%	6%
grade 2 events	1421	20649
	1%	9%
grade 3 events	1555	9669
	2%	4%
grade 4 events	1608	9345
	2%	4%
grade 5 events	2237	19568
	2%	8%
grade 6 events	1320	16891
	1%	7%
grade 7 events	65201	79595
	83%	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23	ACIS-23	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	68.312375	68.2903798983552	Subarray start row	0	897
Pointing Dec	5.348836	5.36526122083069	Subarray row count	1024	128
Pointing Roll	112.682275	112.8930110902777	Alternating exposures requested	N	N
Roll angle	105.000000	105.000000	Primary exposure time	0.000000	0.5
Roll tolerance	15.000000	15.000000			
Roll constraint allows 180D rotation	Y	Y			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-232.132463	-232.1391888471301			
SIM translation stage offset (mm)	-1.46	-1.453264155799559			
Observation start time	238112263.184000	238111116.30528			
Observation start date	2005-07-18T22:16:39	2005-07-18T21:58:36			
Observation end time	238169263.184000	238170363.358			
Observation end date	2005-07-19T14:06:39	2005-07-19T14:26:03			
Read mode	TIMED	TIMED			

2.3 Aspect



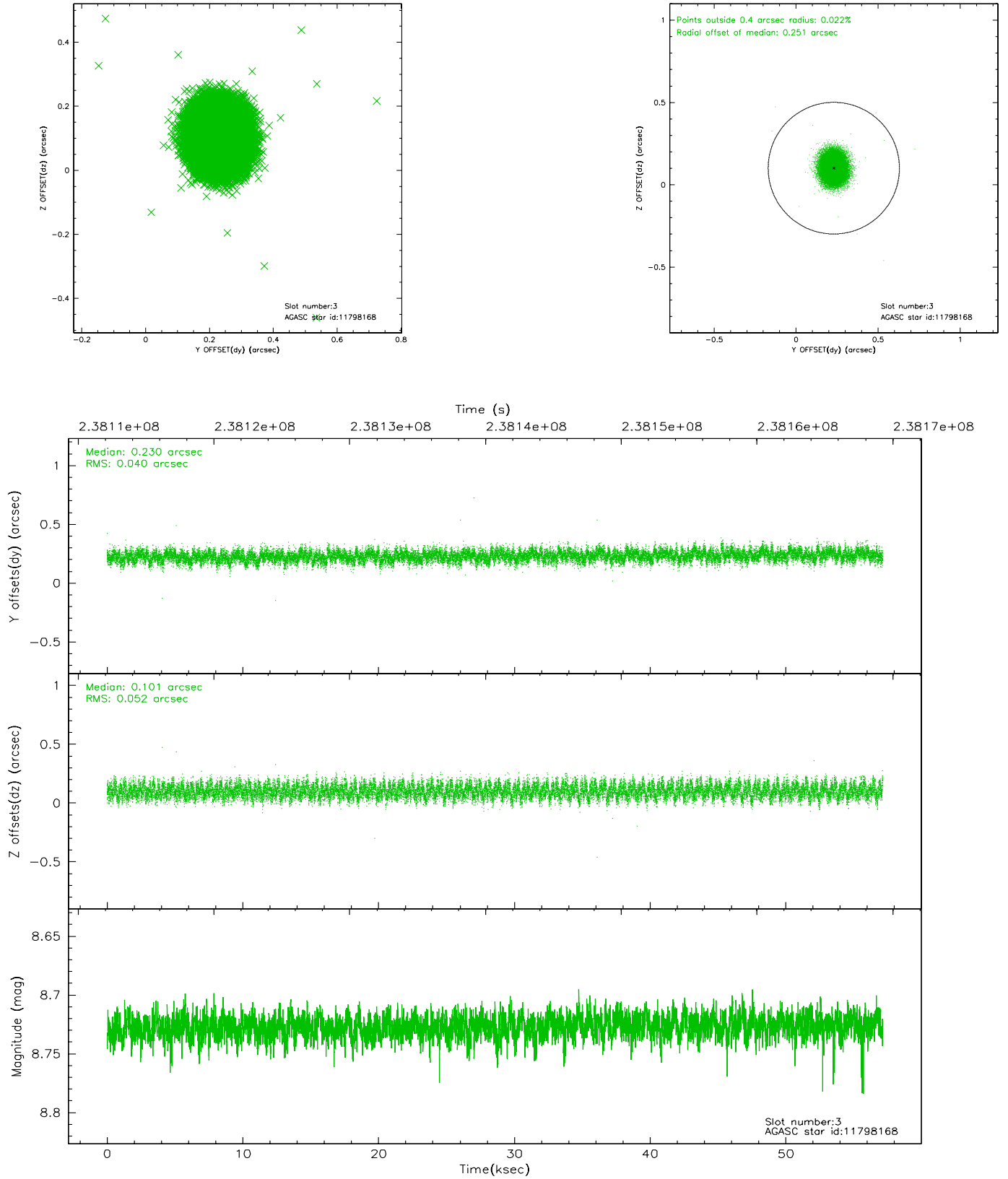


Slot Statistics

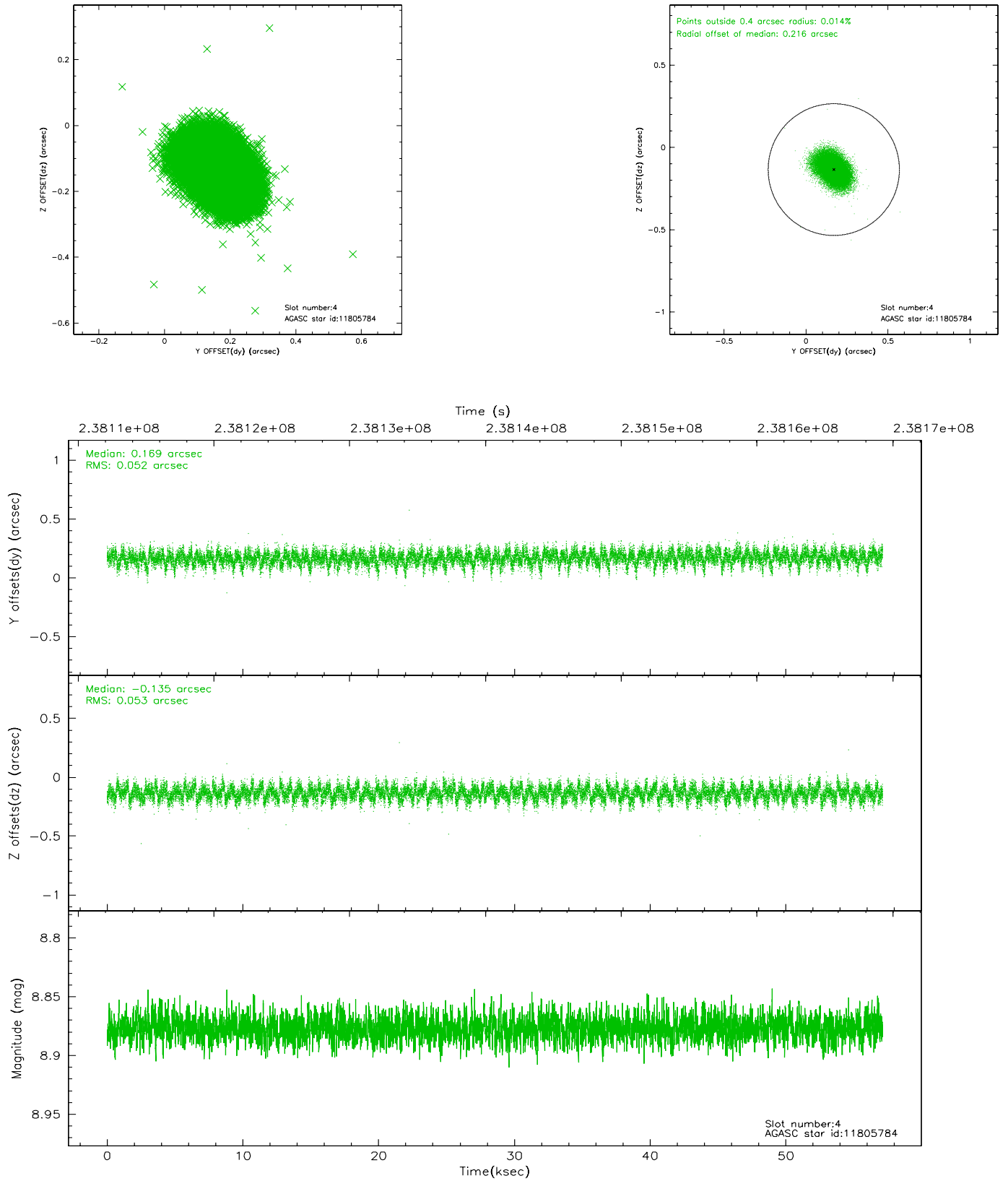
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	13935	0.039	0.017	0.011	0.026	0.000000	0.000000	933.08	-864.87
1	FID	ACIS-I-5	7.23	13935	-0.145	0.069	0.011	0.031	0.000000	0.000000	-1815.18	1032.75
2	FID	ACIS-I-6	7.25	13933	0.014	-0.016	0.015	0.041	0.000000	0.000000	398.71	1677.08
3	GUIDE	11798168	8.73	27861	0.230	0.101	0.071	0.111	68.723067	4.993277	-1748.22	-865.49
4	GUIDE	11805784	8.88	27855	0.169	-0.135	0.078	0.128	68.291152	4.970127	-1228.78	595.77
5	GUIDE	12323392	8.90	27860	0.025	-0.098	0.070	0.114	68.029576	5.625661	1310.34	550.53
6	GUIDE	12324304	8.91	27861	-0.106	0.215	0.069	0.112	68.756585	5.787053	842.88	-2076.07
7	GUIDE	12327088	8.62	27863	-0.315	-0.086	0.066	0.107	67.823561	5.844308	2321.34	927.32

2.4 Star Slots

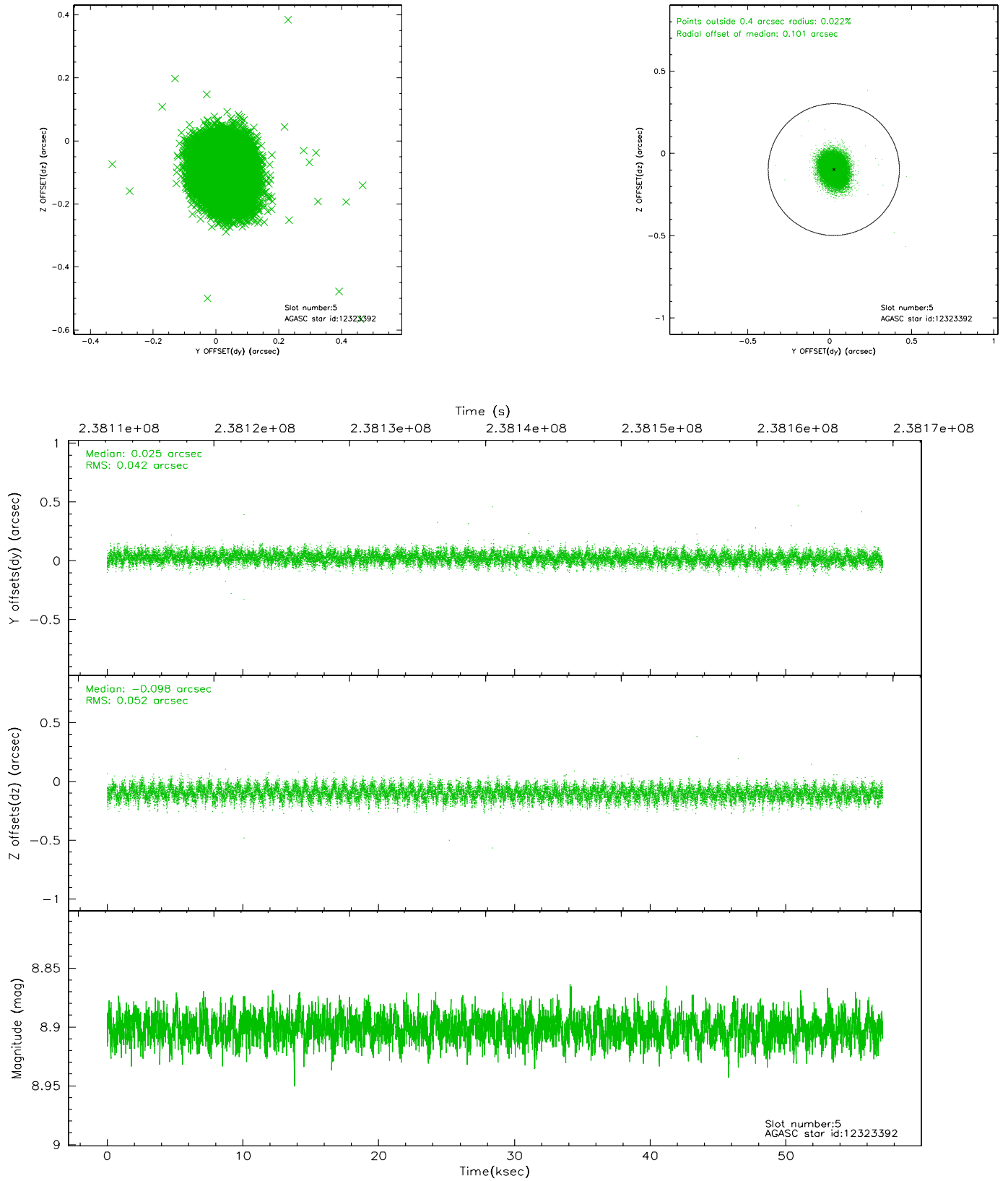
2.4.1 Slot 3



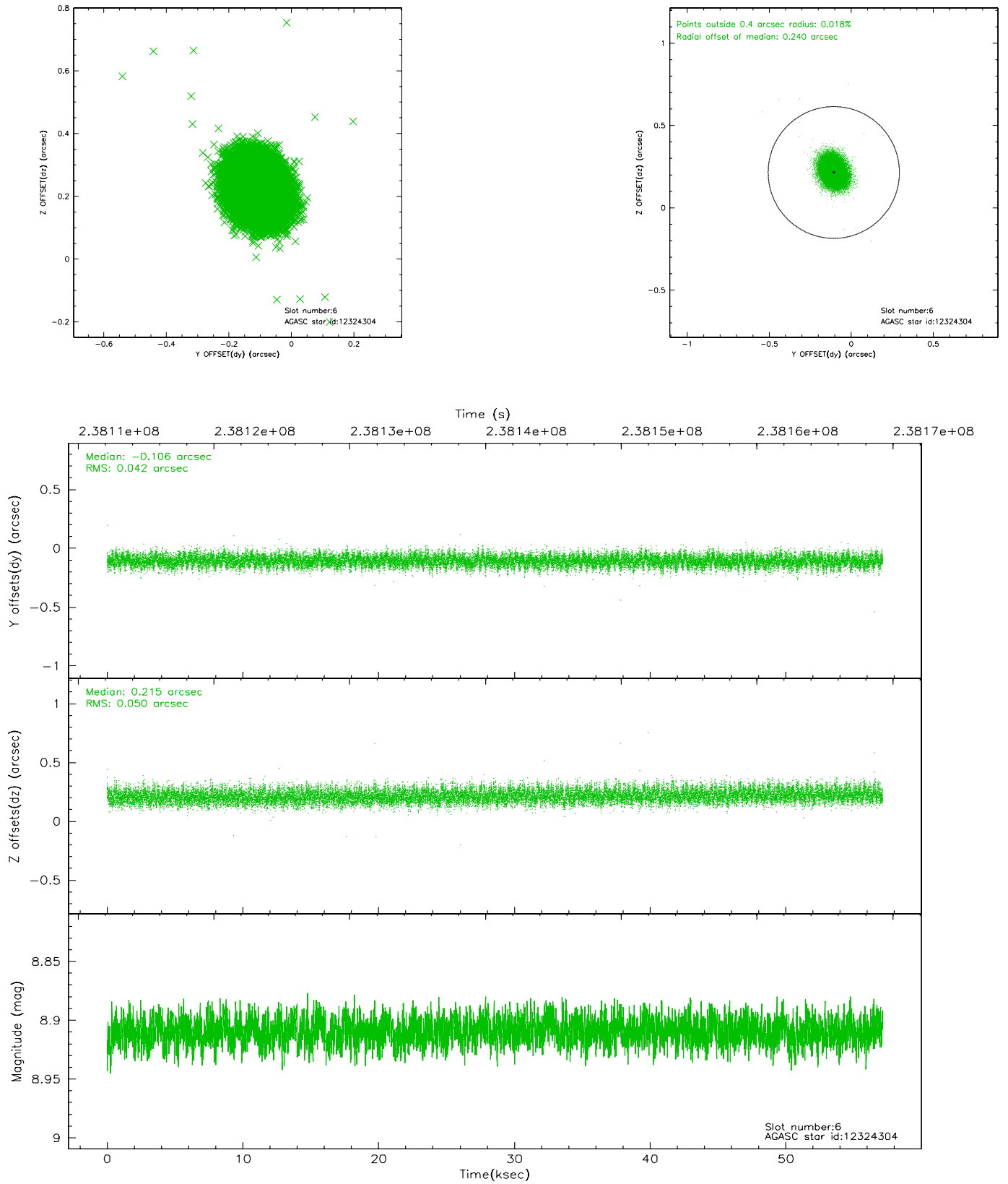
2.4.2 Slot 4



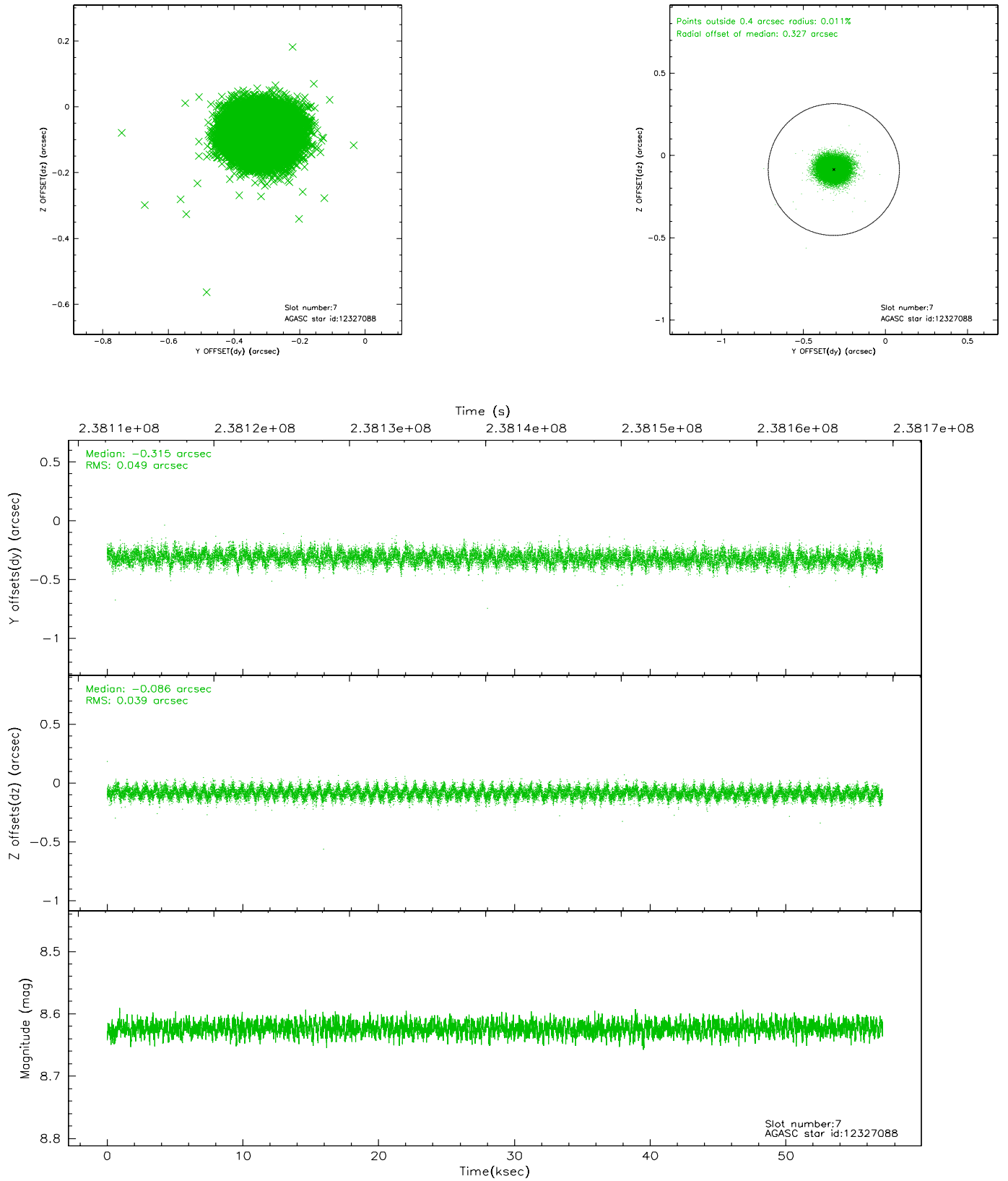
2.4.3 Slot 5



2.4.4 Slot 6

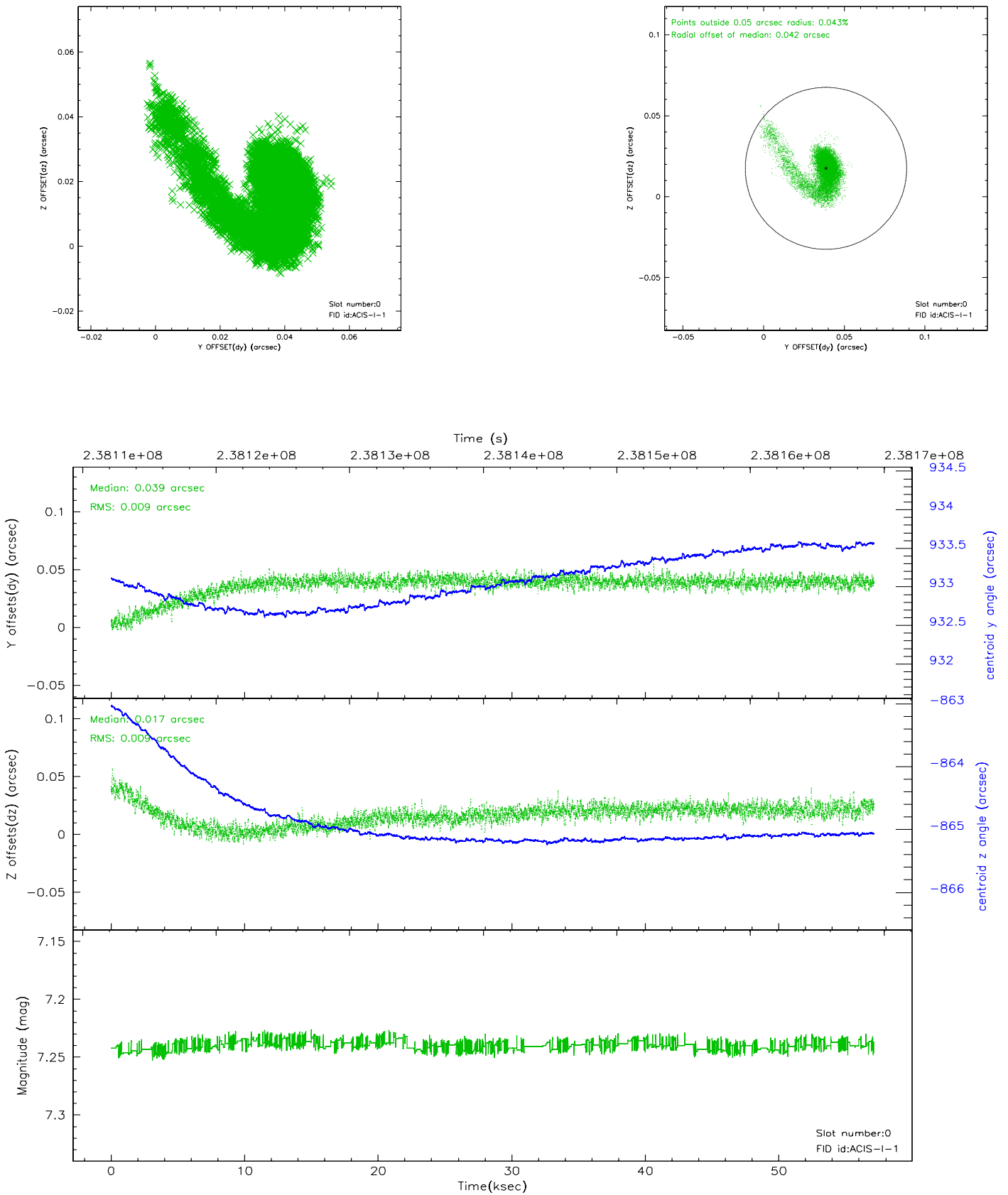


2.4.5 Slot 7

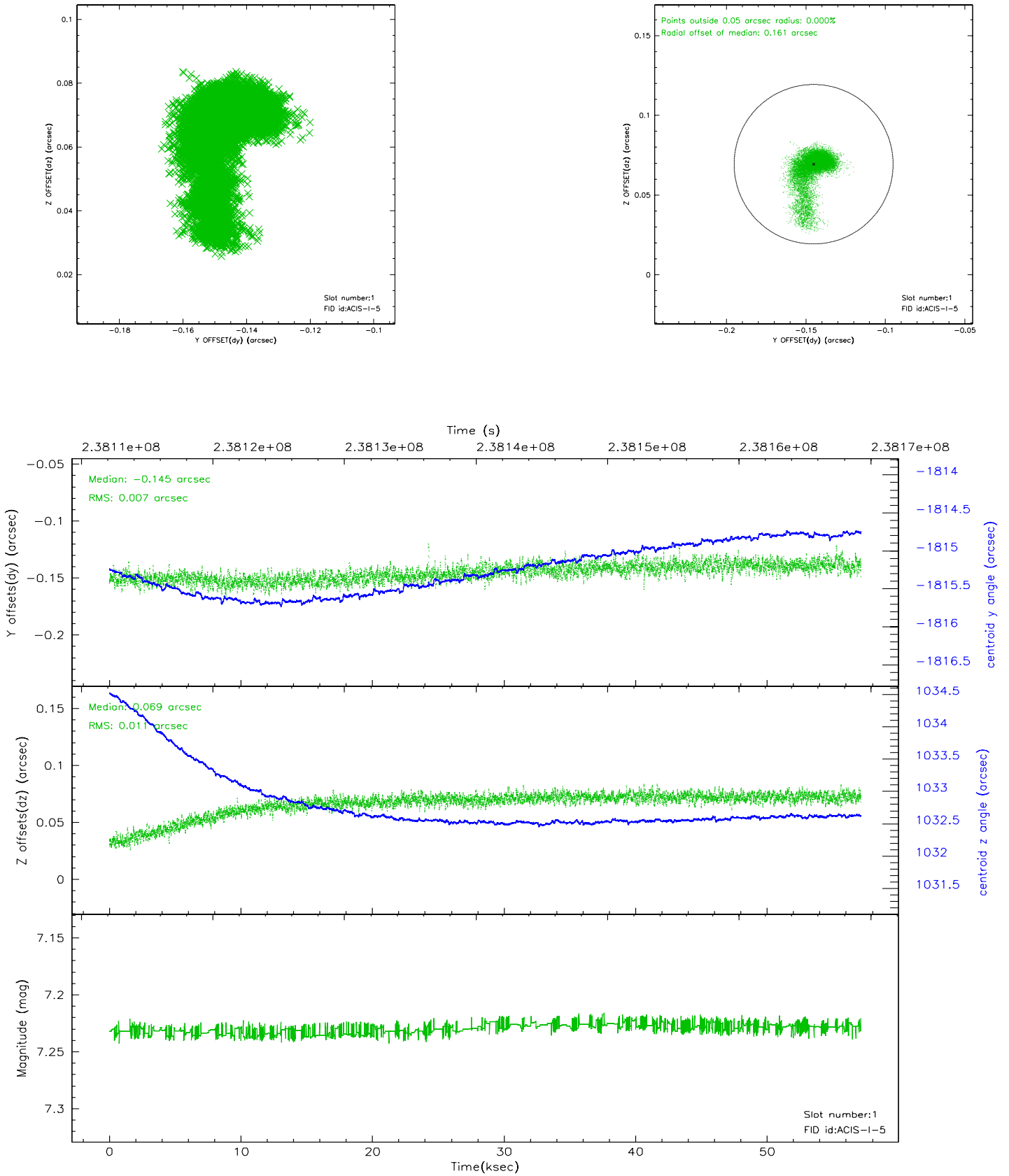


2.5 FID Slots

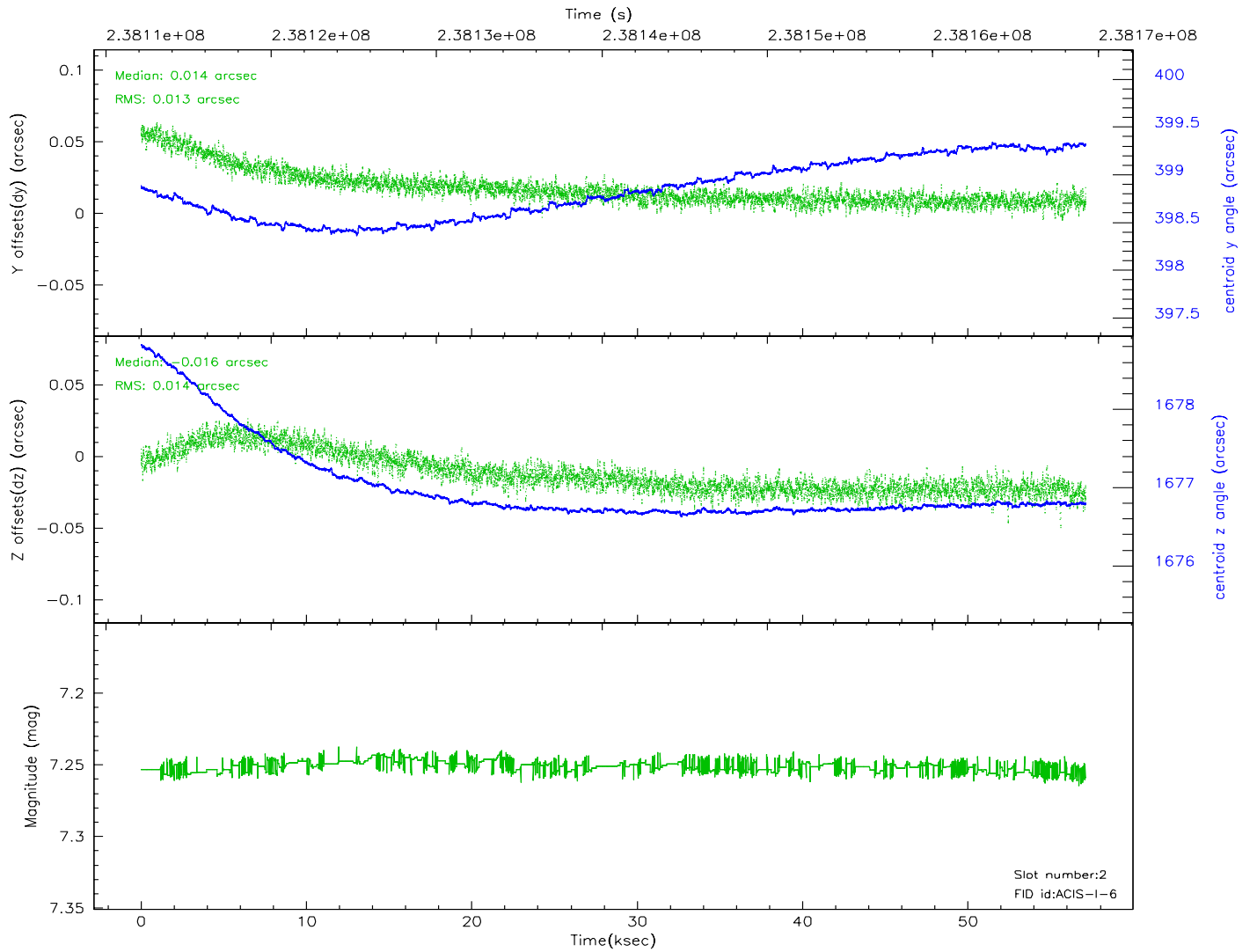
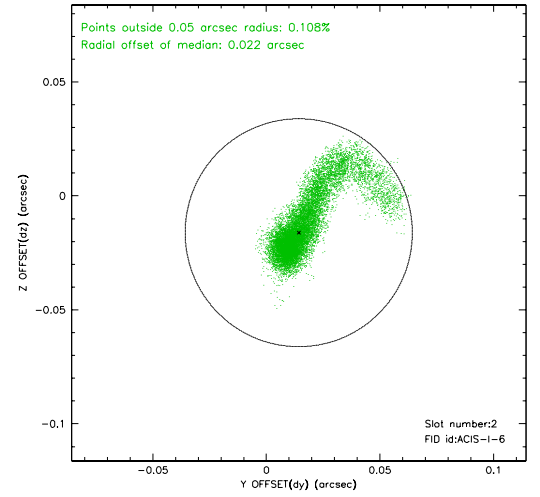
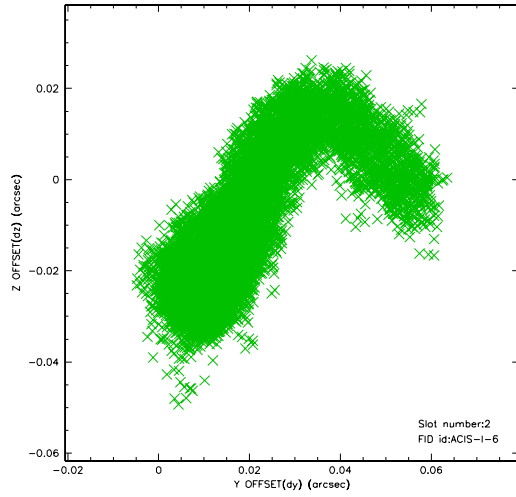
2.5.1 Slot 0



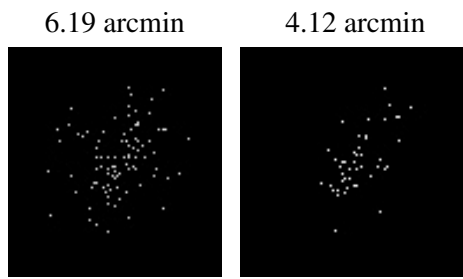
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	57.132

A.2 Comments

Roll constraint satisfied.

Focal plane temperature is elevated during initial ~10 ksec of observation.