

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5690 - L2 Version 002
Chandra X-Ray Center

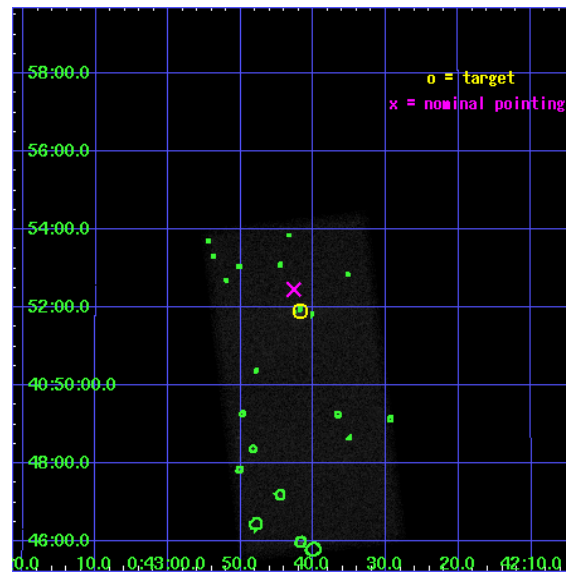
L2 Processing Date : Mar 10 2006

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1 Front

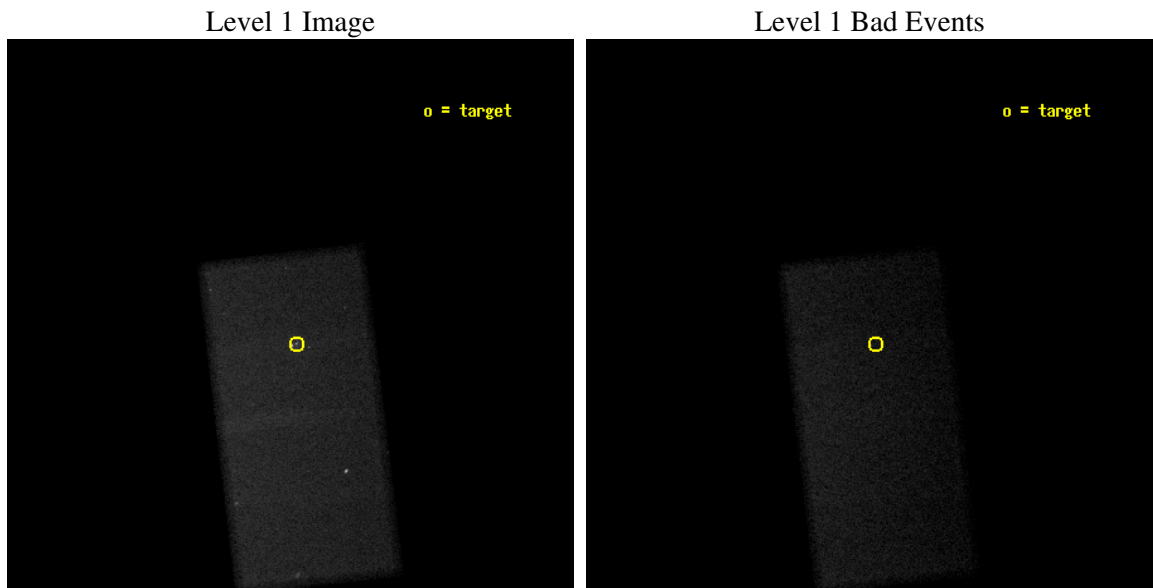
seq_num	701113
obs_id	5690
title	Searching for X-ray Flares from the Nucleus of M32
observer	Dr. Eliot Quataert
object	M32
dtcycle	0
cycle	P
ra_targ	10.674167
dec_targ	40.865167
ra_nom	10.677883869457
dec_nom	40.874399691897
roll_nom	83.17571653092
revision	2
ontime	116116.45900983
livetime	113024.11911095
ontime7	116116.45900983
l2events	198945



2 OBI

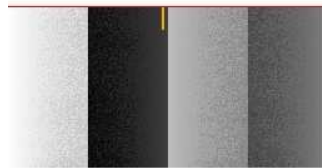
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-10T01:36:03
revision	2

sched_exp_time	116000.000000
ontime	117287.10771644
ontime7	117287.10771644
l1events	441175

2.1.4 Events

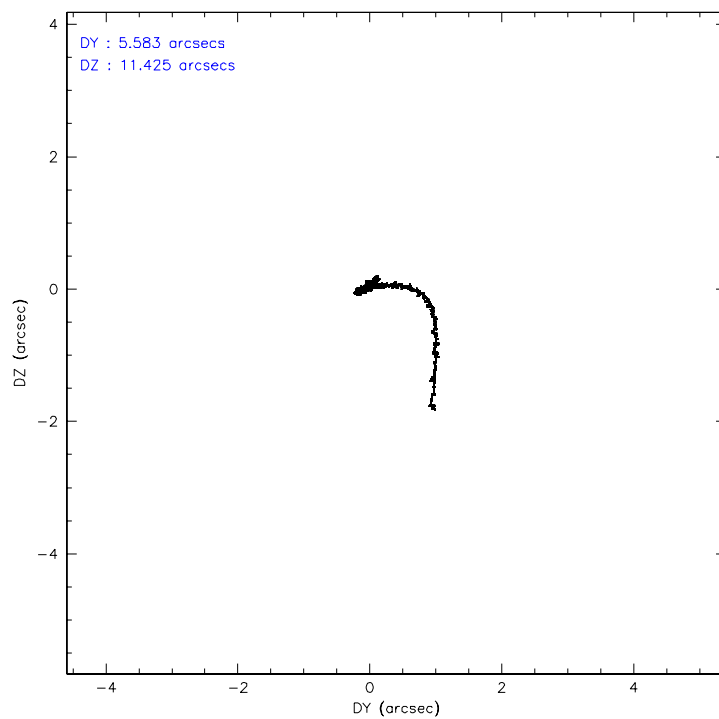
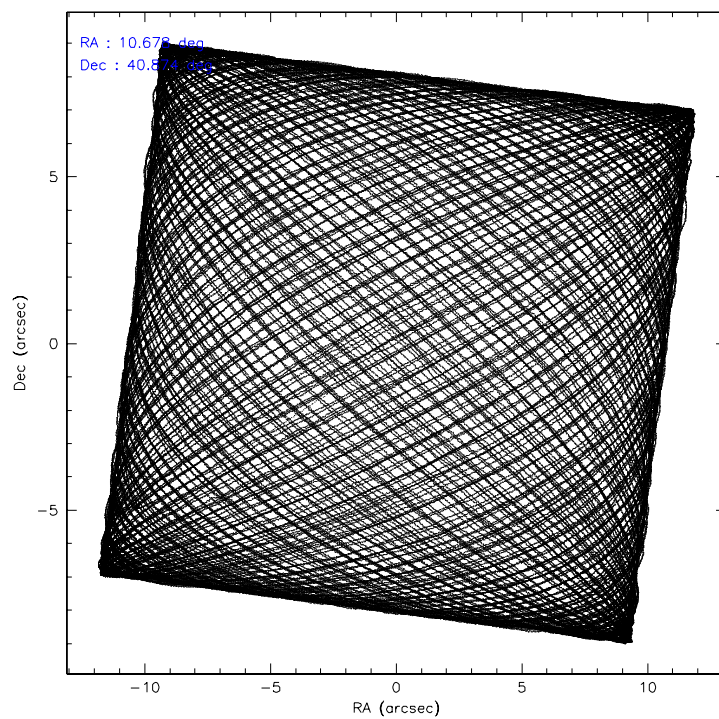
	ccd 7
level 1 events	441175
rejected events	236257
rejected %	53%

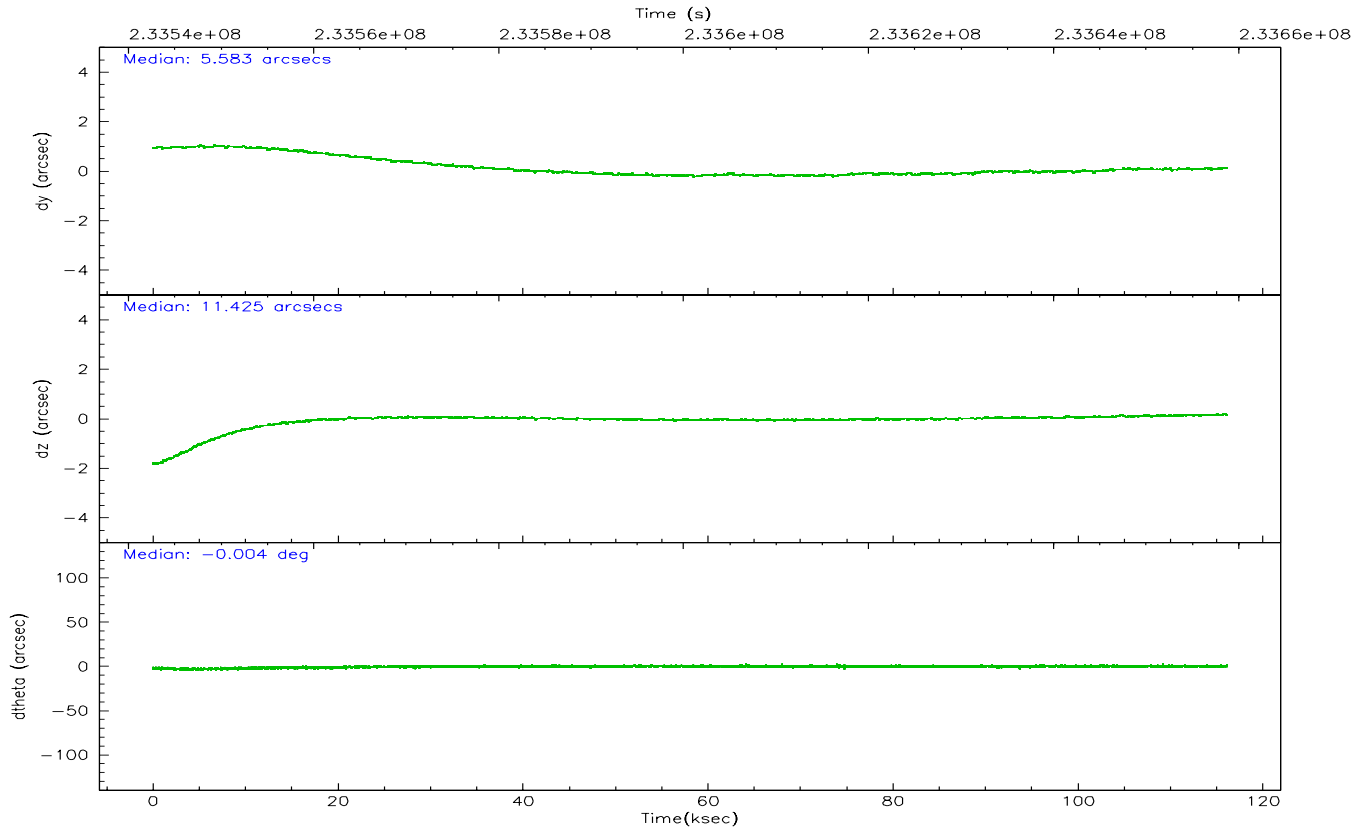
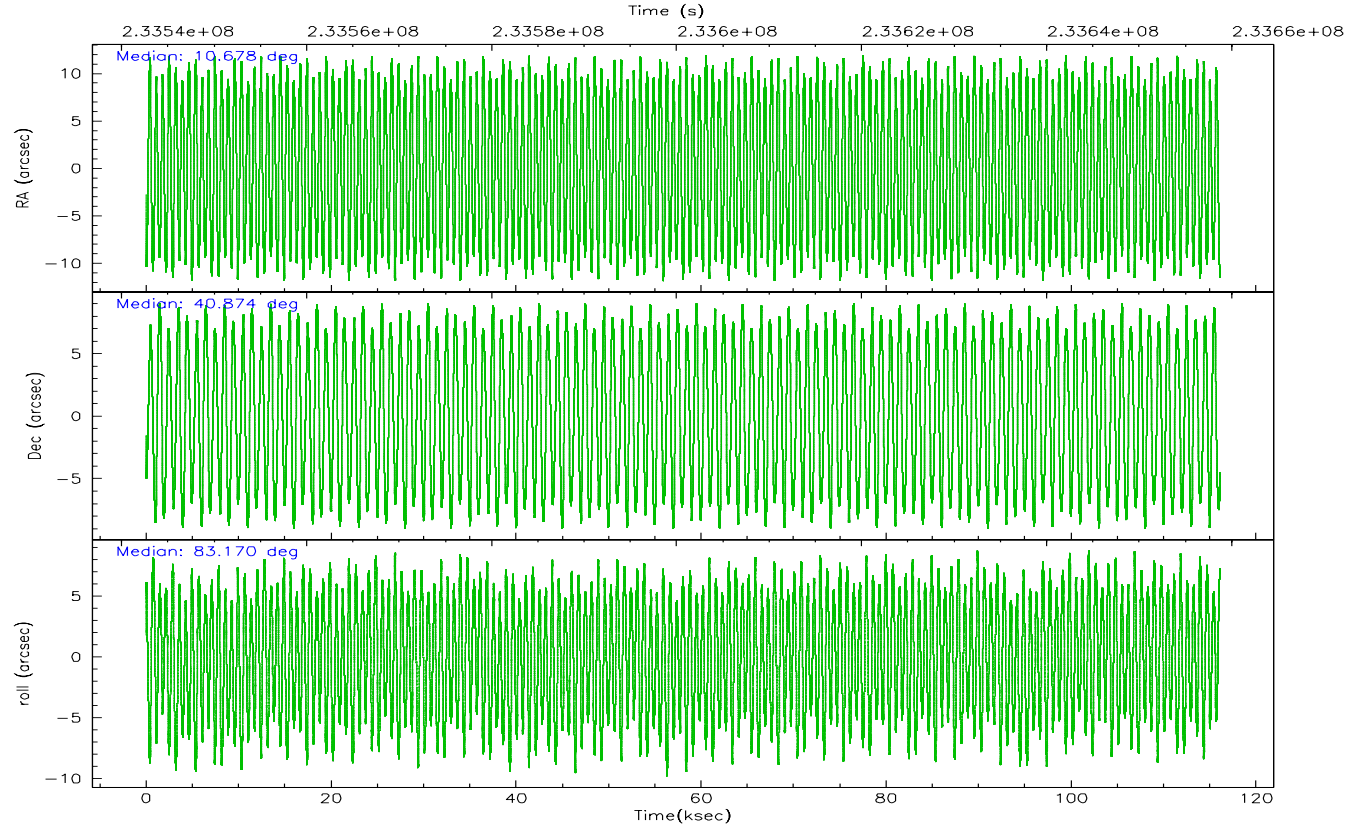
	ccd 7
grade 0 events	17978
	4%
grade 1 events	303
	0%
grade 2 events	51654
	11%
grade 3 events	16049
	3%
grade 4 events	15507
	3%
grade 5 events	34015
	7%
grade 6 events	105640
	23%
grade 7 events	200029
	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/2	1/2
Pointing RA	10.692503	10.67788386945685	Subarray start row	0	257
Pointing Dec	40.849528	40.87439969189698	Subarray row count	1024	512
Pointing Roll	83.009532	83.1757165309197	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	1.5
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	233542765.184000	233541476.98403			
Observation start date	2005-05-27T00:58:21	2005-05-27T00:37:56			
Observation end time	233658765.184000	233659805.03942			
Observation end date	2005-05-28T09:11:41	2005-05-28T09:30:05			
Read mode	TIMED	TIMED			

2.3 Aspect



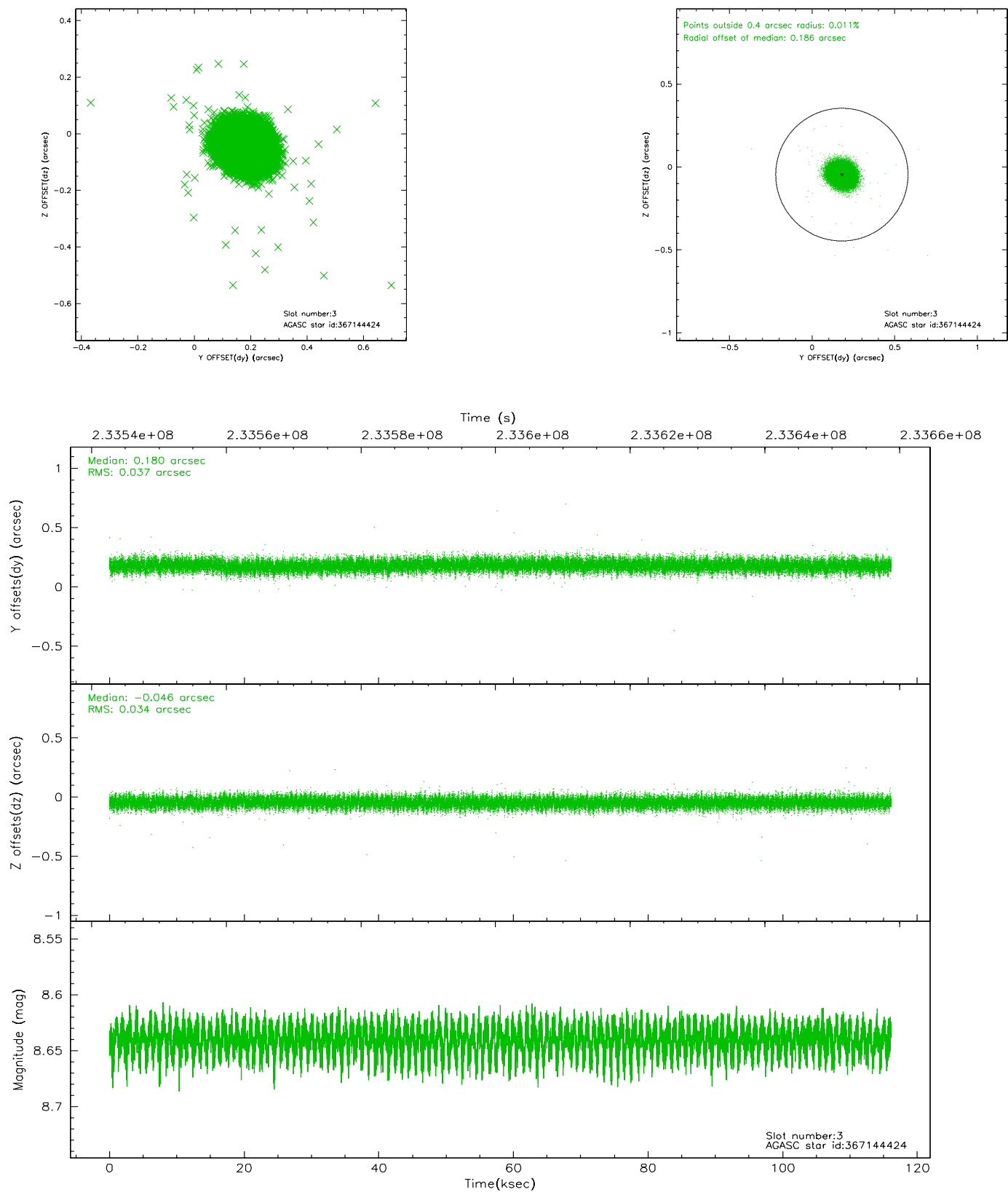


Slot Statistics

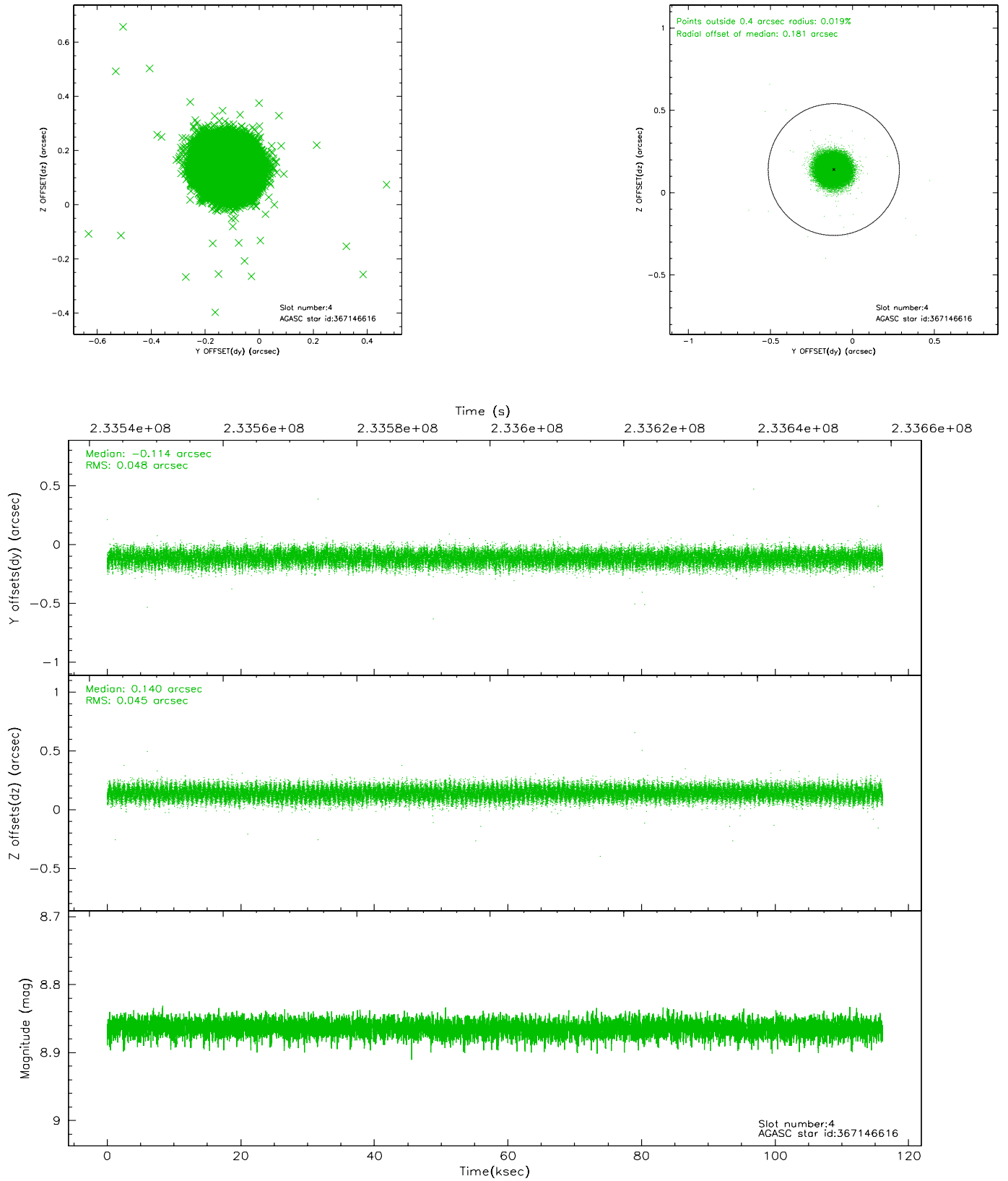
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	28320	-0.050	-0.028	0.005	0.011	0.000000	0.000000	-758.53	-1732.64
1	FID	ACIS-S-4	7.21	28320	0.029	0.032	0.005	0.011	0.000000	0.000000	2154.89	175.98
2	BAD	ACIS-S-6	7.35	2863	-0.023	0.006	0.014	0.025	0.000000	0.000000	403.21	814.23
3	GUIDE	367144424	8.64	56626	0.180	-0.046	0.053	0.087	10.464515	40.309136	-2005.85	384.61
4	GUIDE	367146616	8.86	56547	-0.114	0.140	0.070	0.111	11.418645	41.190163	1465.11	-1801.76
5	GUIDE	367148872	7.21	56639	0.064	-0.221	0.067	0.103	10.505940	40.688258	-637.67	434.88
6	GUIDE	367138920	7.73	56569	-0.041	0.098	0.067	0.105	11.513485	40.808909	137.78	-2237.01
7	GUIDE	367657896	9.02	56613	-0.093	0.030	0.079	0.127	11.197765	41.313576	1828.73	-1151.84

2.4 Star Slots

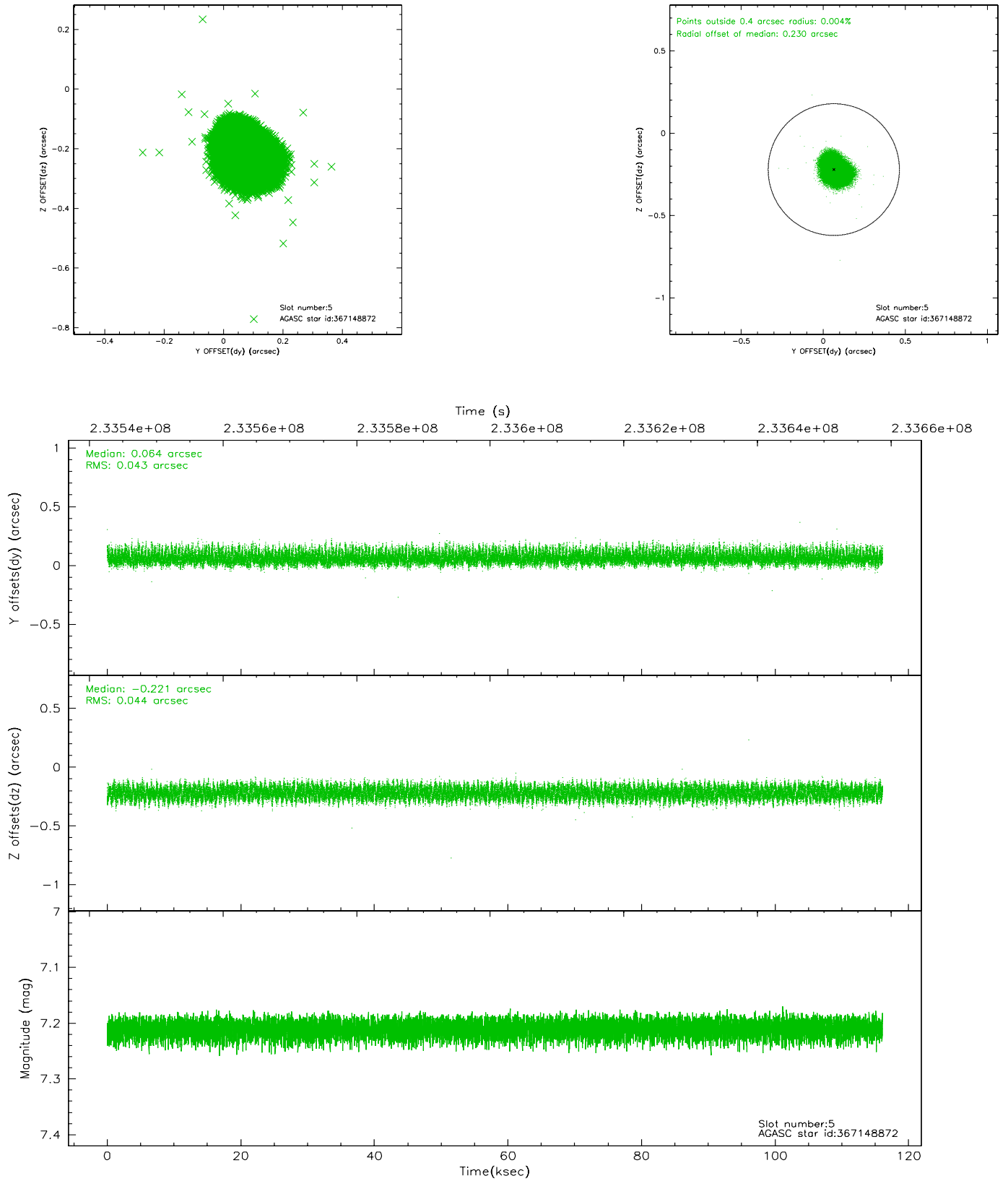
2.4.1 Slot 3



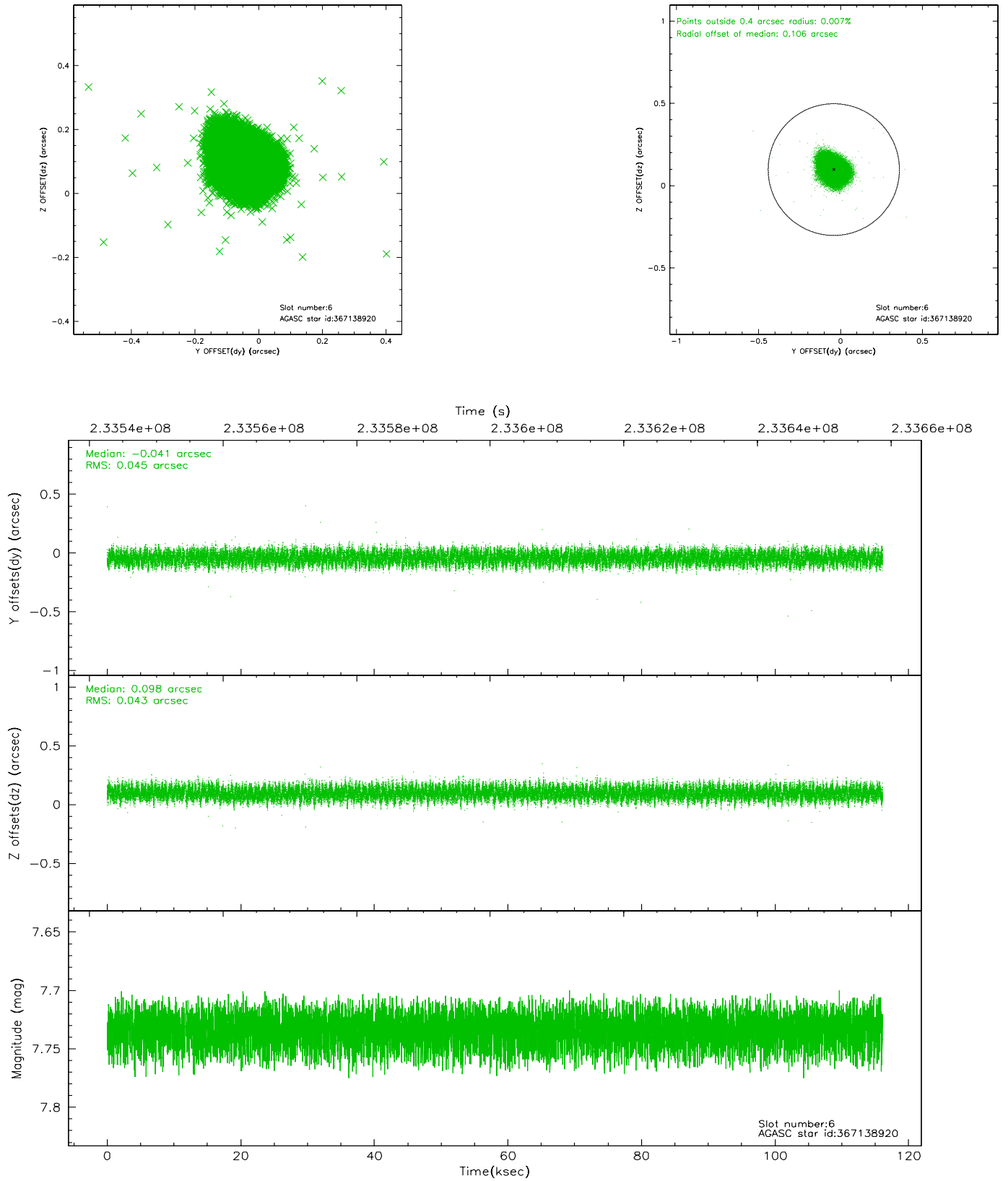
2.4.2 Slot 4



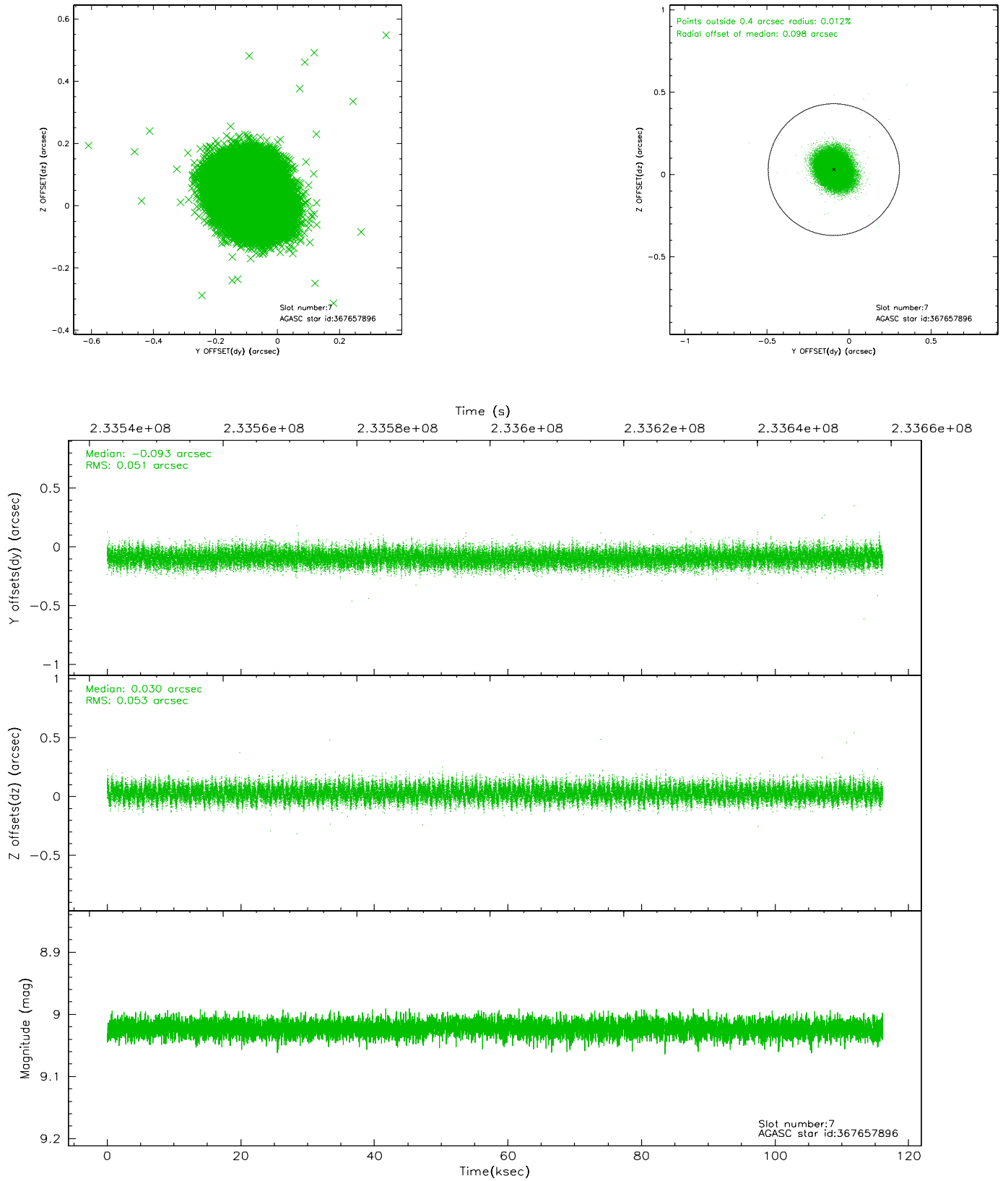
2.4.3 Slot 5



2.4.4 Slot 6

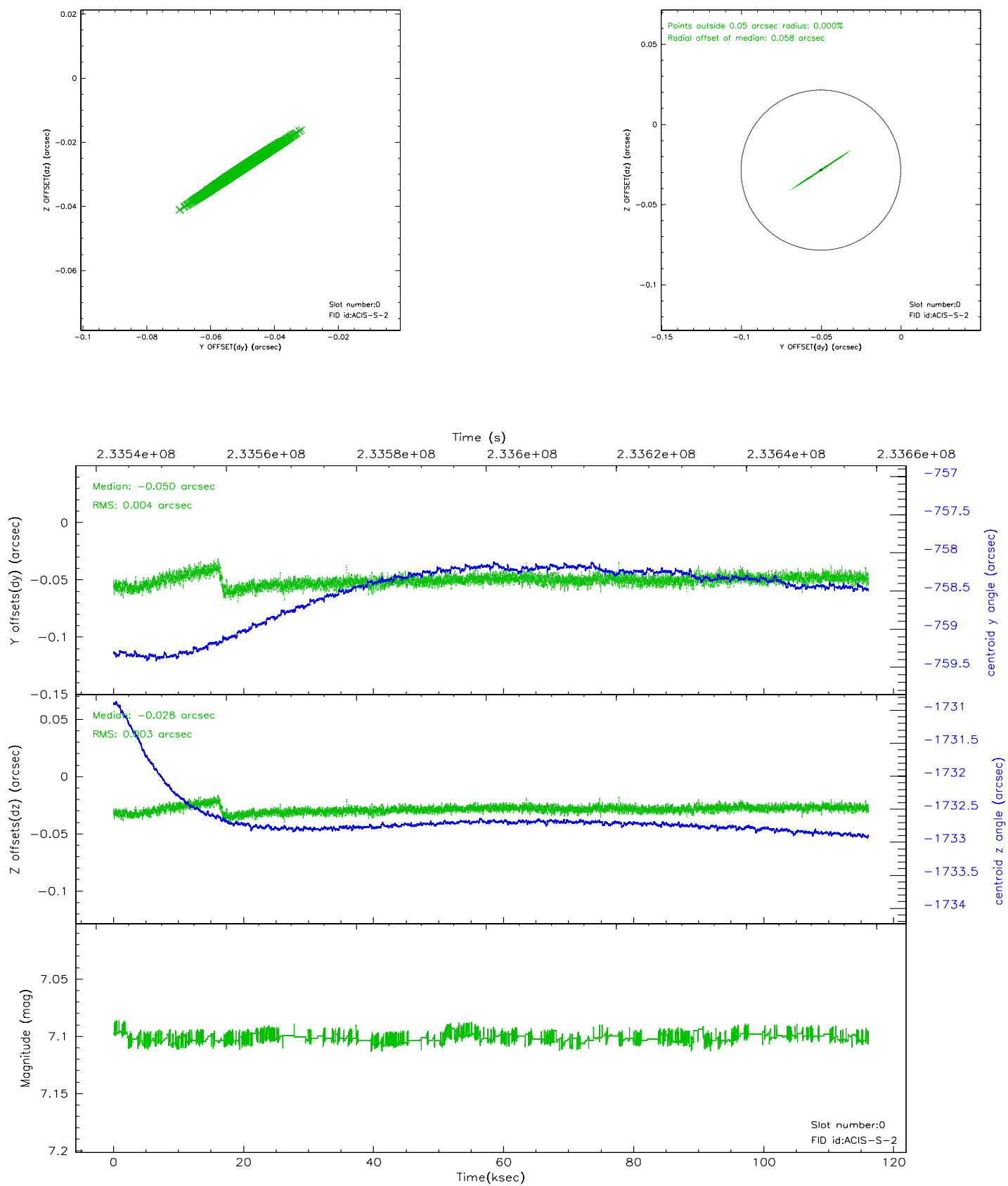


2.4.5 Slot 7

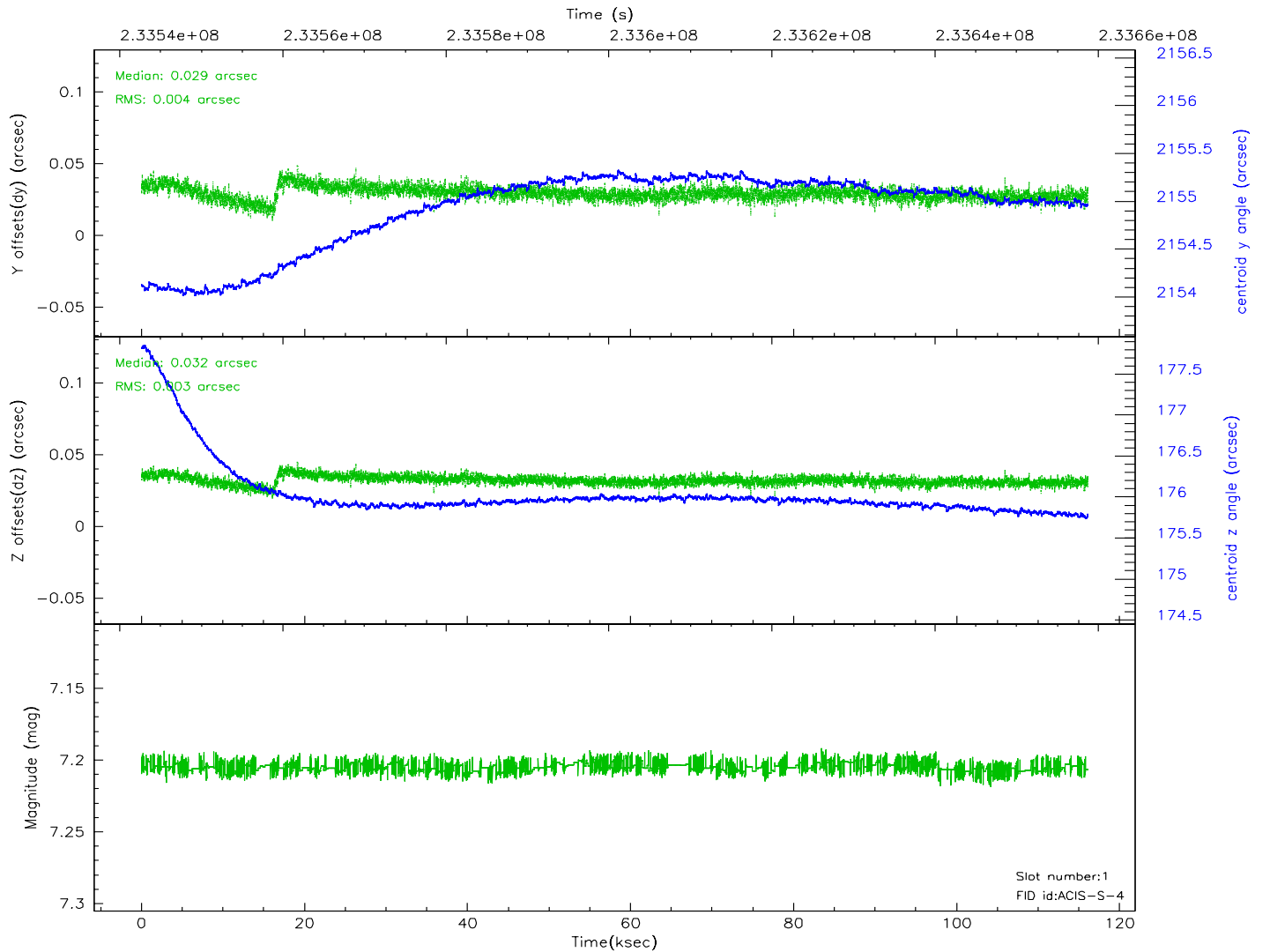
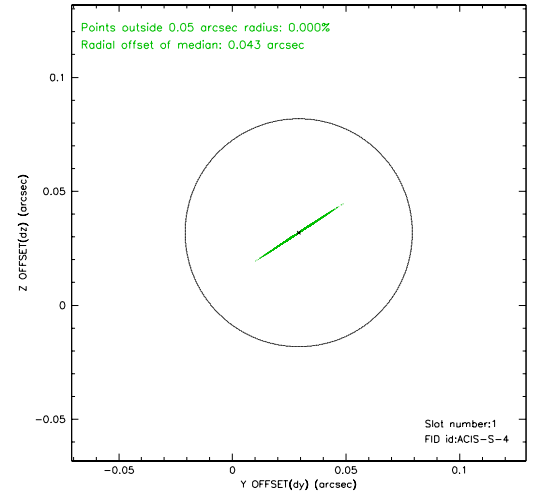
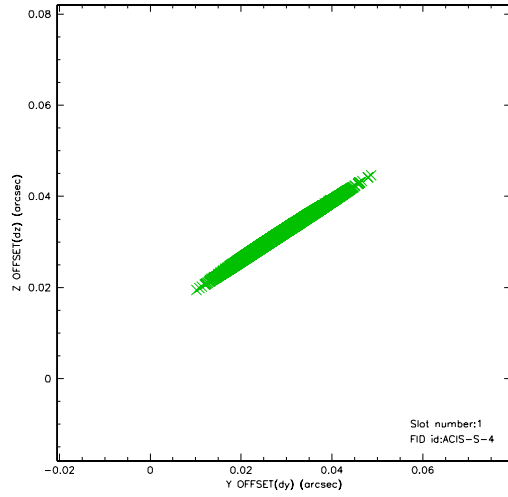


2.5 FID Slots

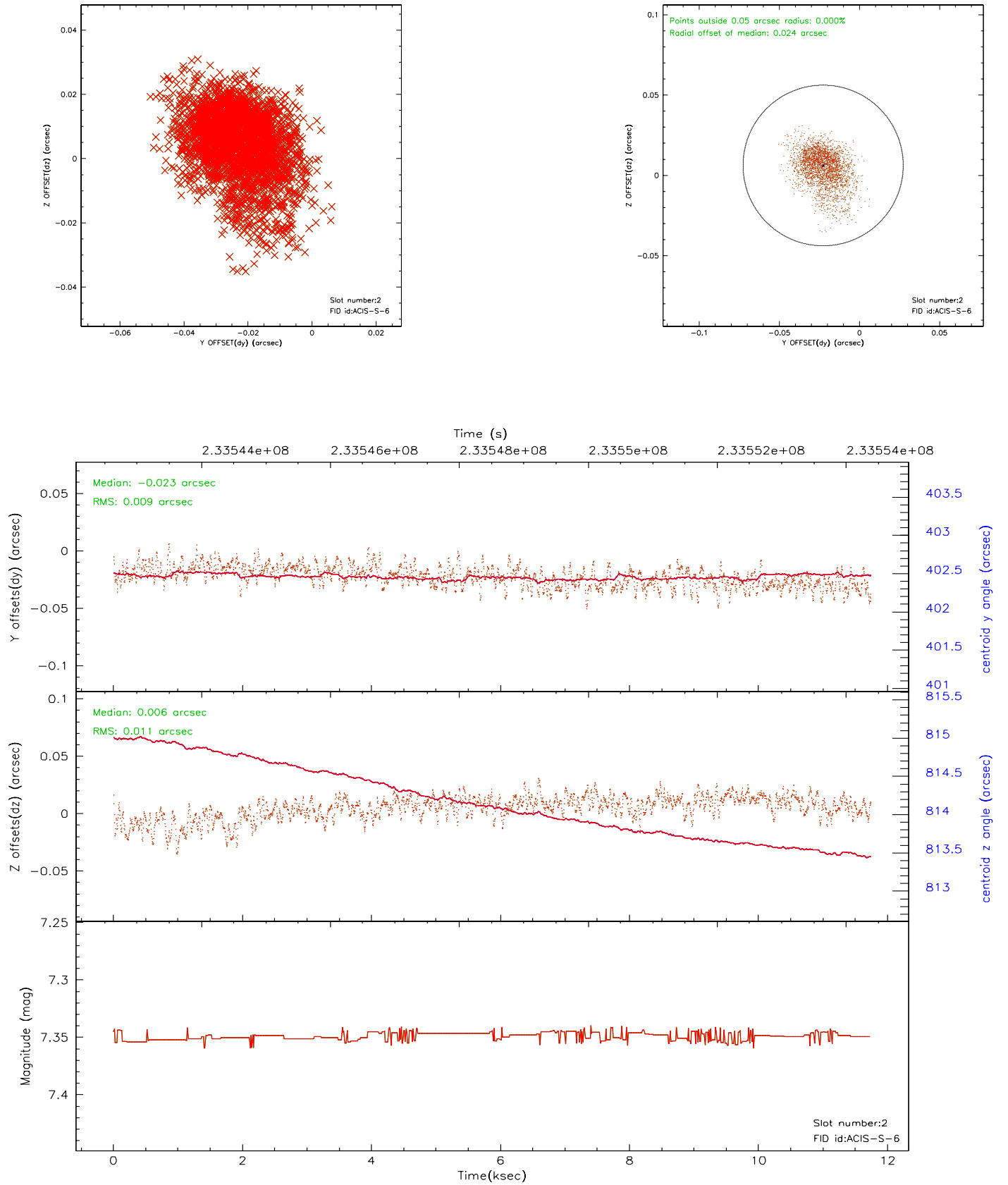
2.5.1 Slot 0



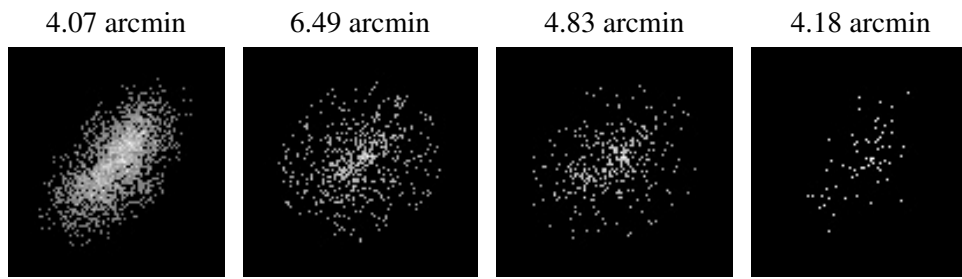
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	116.1164

A.2 Comments

Roll preference met. Slot 2 is bad and not used in the aspect solution.