

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4952 - L2 Version 001
Chandra X-Ray Center

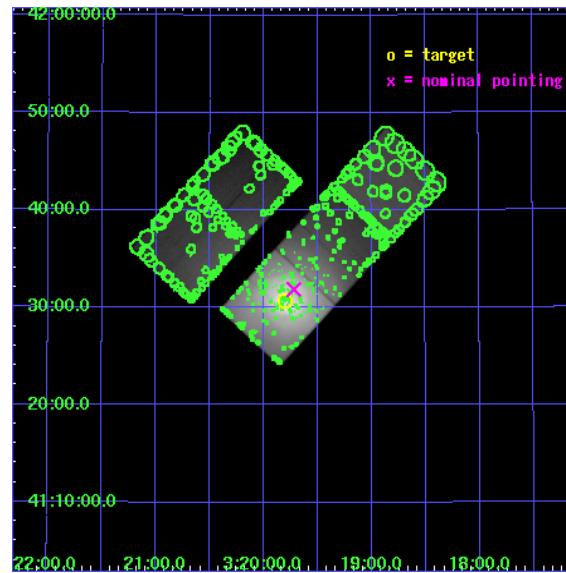
L2 Processing Date : Apr 15 2006

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1 Front

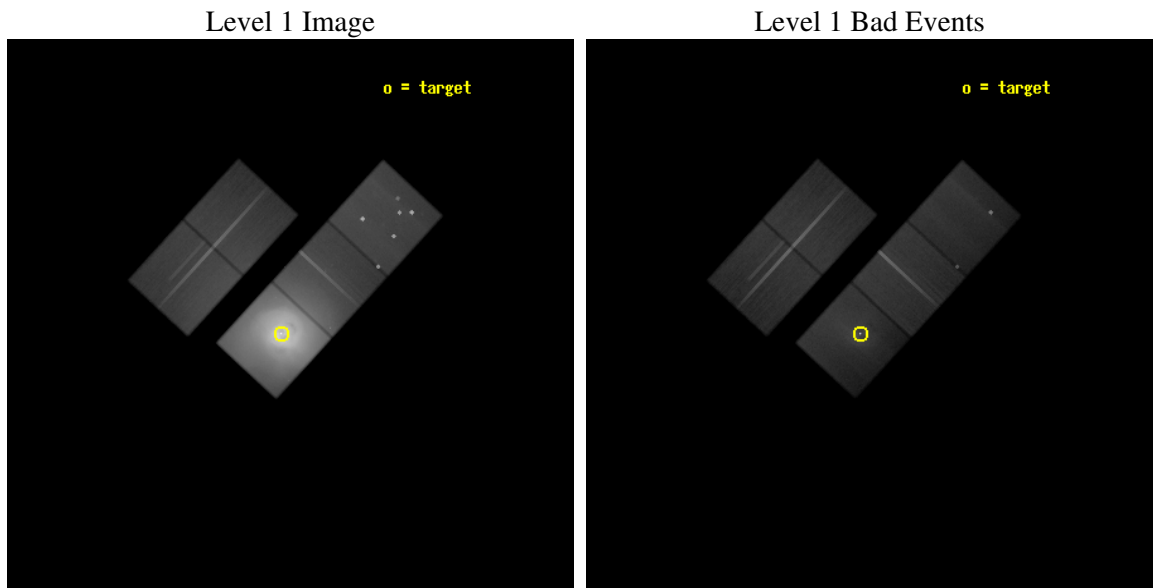
seq_num	800400
obs_id	4952
title	A Megasecond Image of the Core of the Perseus Cluster
observer	Prof Andrew Fabian
object	Abell 426
dtcycle	0
cycle	P
ra_targ	49.950833
dec_targ	41.511722
ra_nom	49.930068572285
dec_nom	41.531167039992
roll_nom	132.64808443486
revision	2
ontime	166417.29968002
livetime	164242.93514507
ontime2	166407.87671927
ontime3	166417.29968002
ontime5	166417.29968002
ontime6	166411.01767966
ontime7	166417.29968002
l2events	16255999



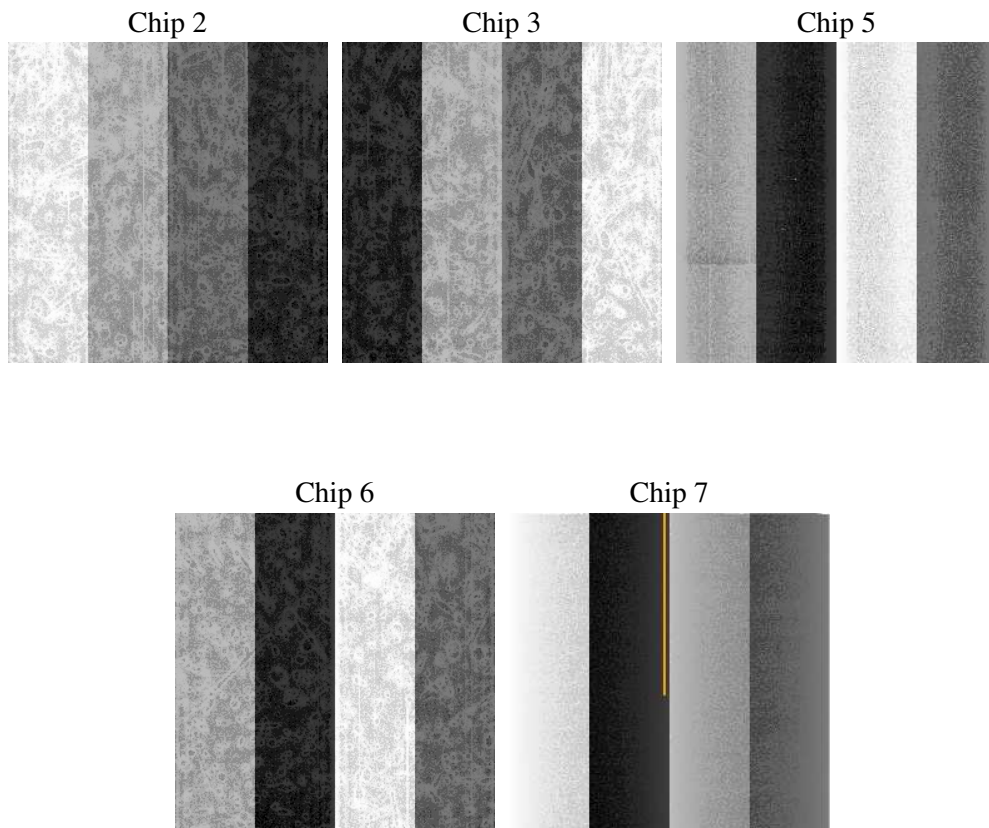
2 OBI

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	2006-04-15T11:47:23
revision	2

sched_exp_time	166234.710000
ontime	167927.9403002
ontime2	167918.51733944
ontime3	167927.9402903
ontime5	167927.9403002
ontime6	167921.65828994
ontime7	167927.9403002
l1events	21549012

2.1.4 Events

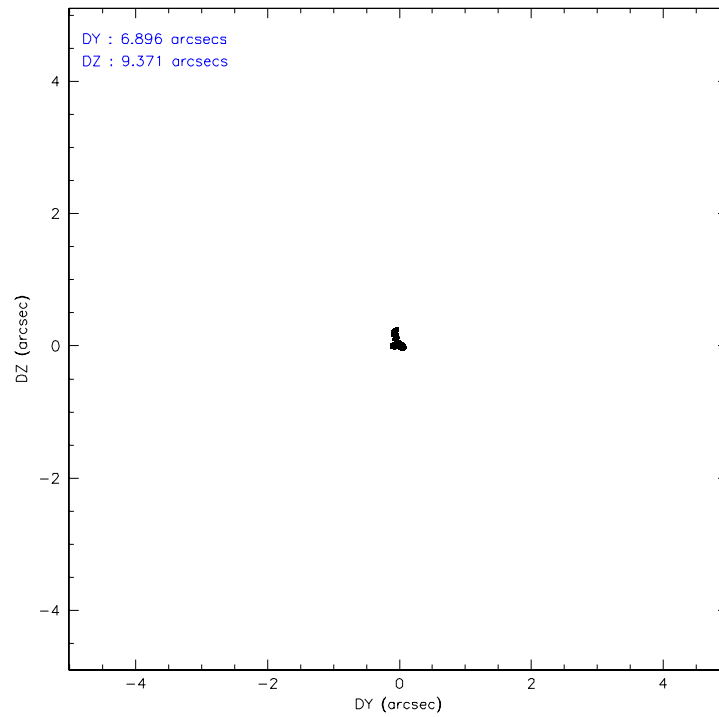
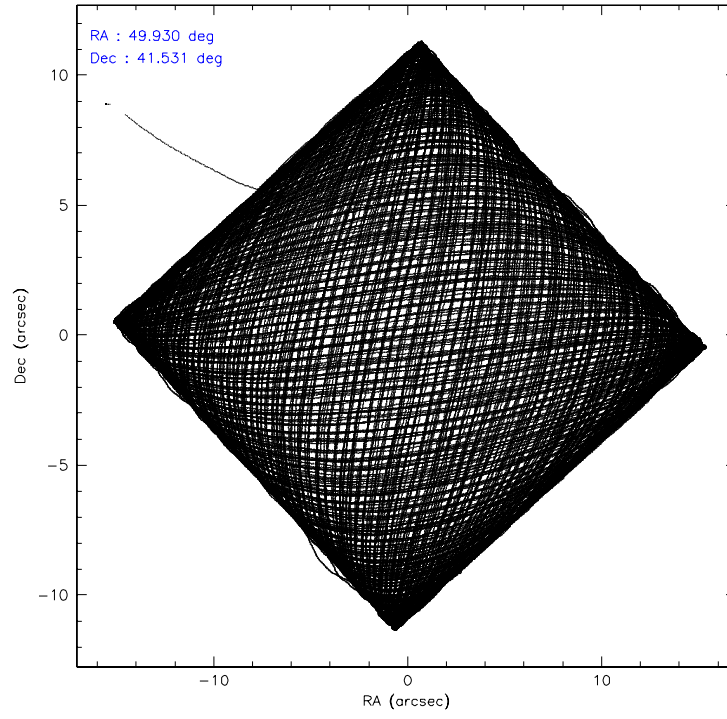
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	1472315	1720300	1900563	2532183	13923651
rejected events	1037186	998496	801278	1038456	945244
rejected %	70%	58%	42%	41%	6%

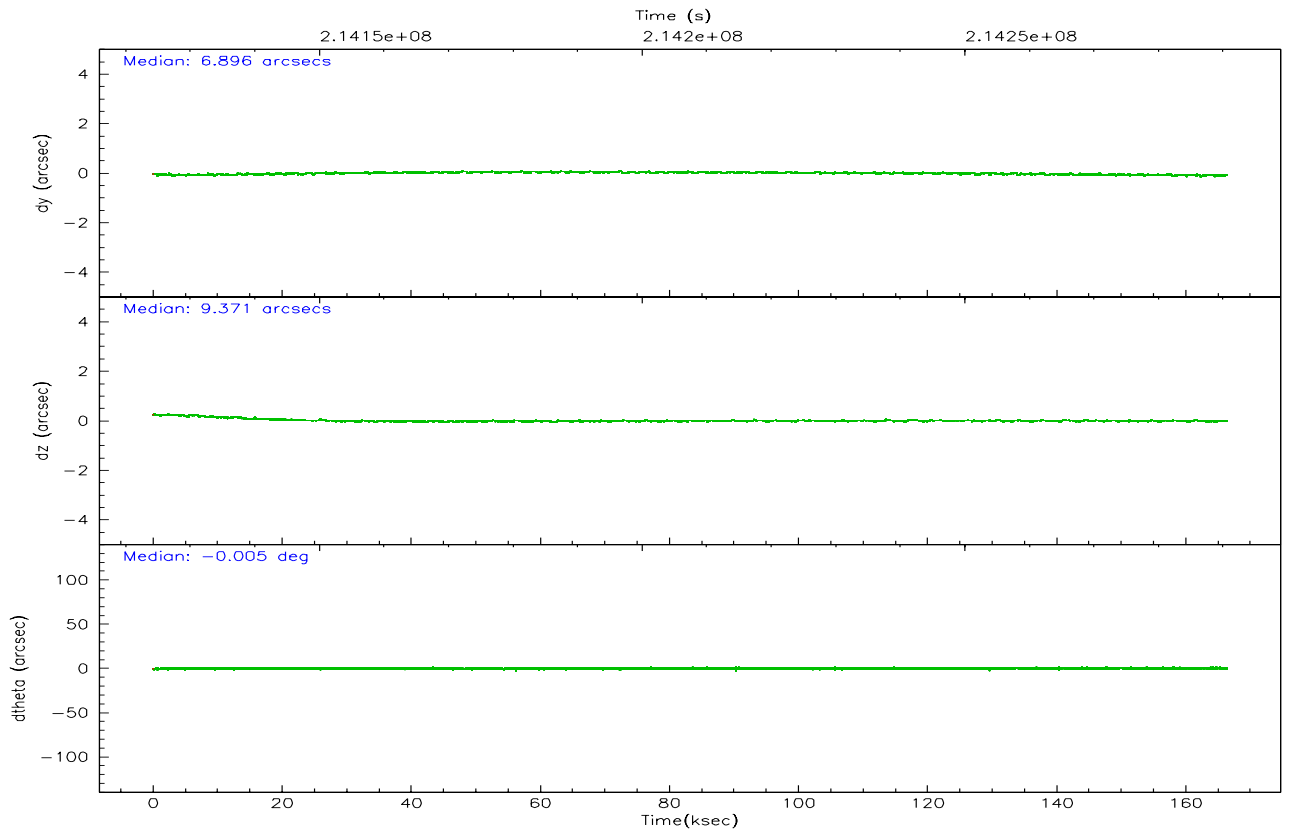
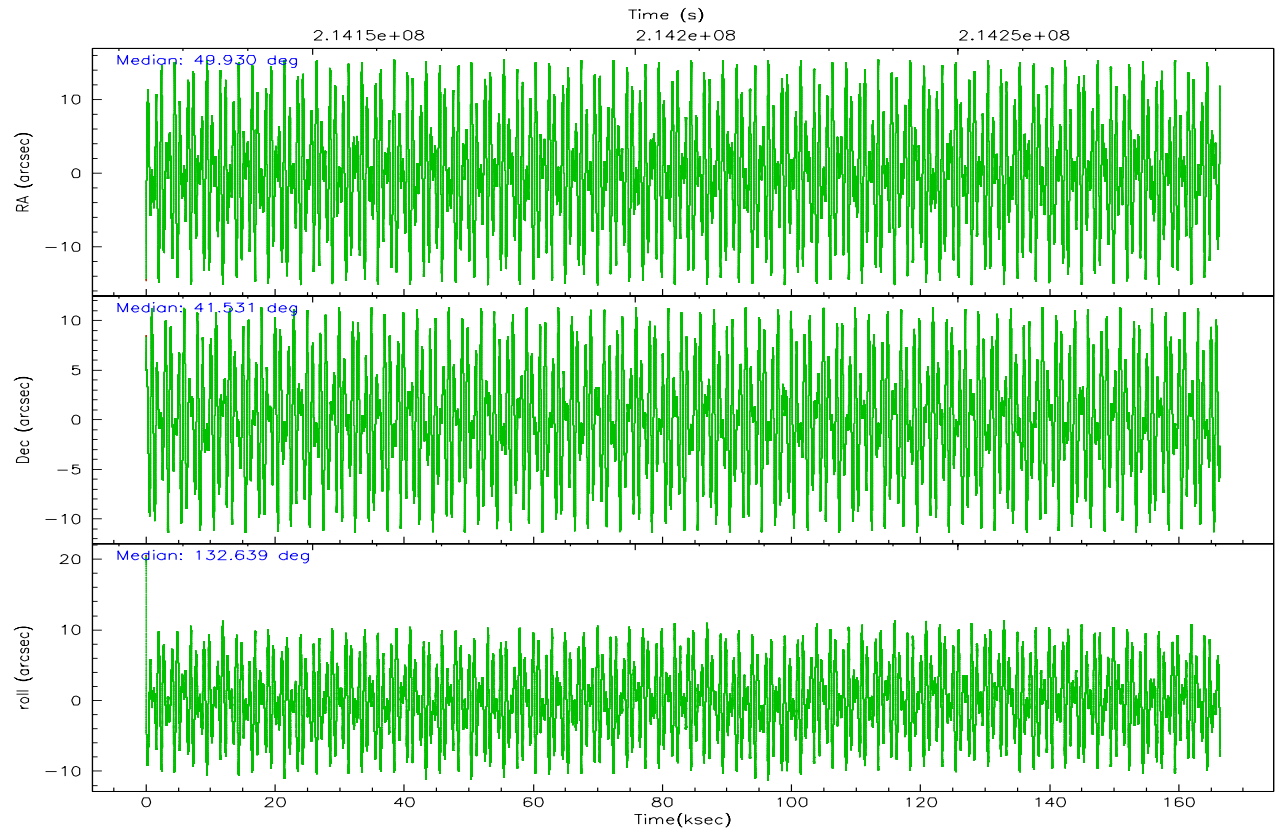
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	306947	538989	213213	1152340	3227315
	20%	31%	11%	45%	23%
grade 1 events	2027	3128	14502	5319	8315
	0%	0%	0%	0%	0%
grade 2 events	57599	84676	355403	168794	3747134
	3%	4%	18%	6%	26%
grade 3 events	22082	32019	37100	55773	1393436
	1%	1%	1%	2%	10%
grade 4 events	22051	31437	35831	55938	1366028
	1%	1%	1%	2%	9%
grade 5 events	35473	43697	84277	47822	191203
	2%	2%	4%	1%	1%
grade 6 events	27824	36245	466478	65239	3259973
	1%	2%	24%	2%	23%
grade 7 events	998312	950109	693759	980958	730247
	67%	55%	36%	38%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	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	NONE	NONE
Pointing RA	49.964919	49.9300685722853	Alternating exposures requested	N	N
Pointing Dec	41.523410	41.53116703999238	Primary exposure time	0.000000	3.1
Pointing Roll	132.468351	132.6480844348578			
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	214124415.184000	214122660.45653			
Observation start date	2004-10-14T06:59:11	2004-10-14T06:31:00			
Observation end time	214290649.184000	214290867.06405			
Observation end date	2004-10-16T05:09:45	2004-10-16T05:14:27			
Read mode	TIMED	TIMED			

2.3 Aspect



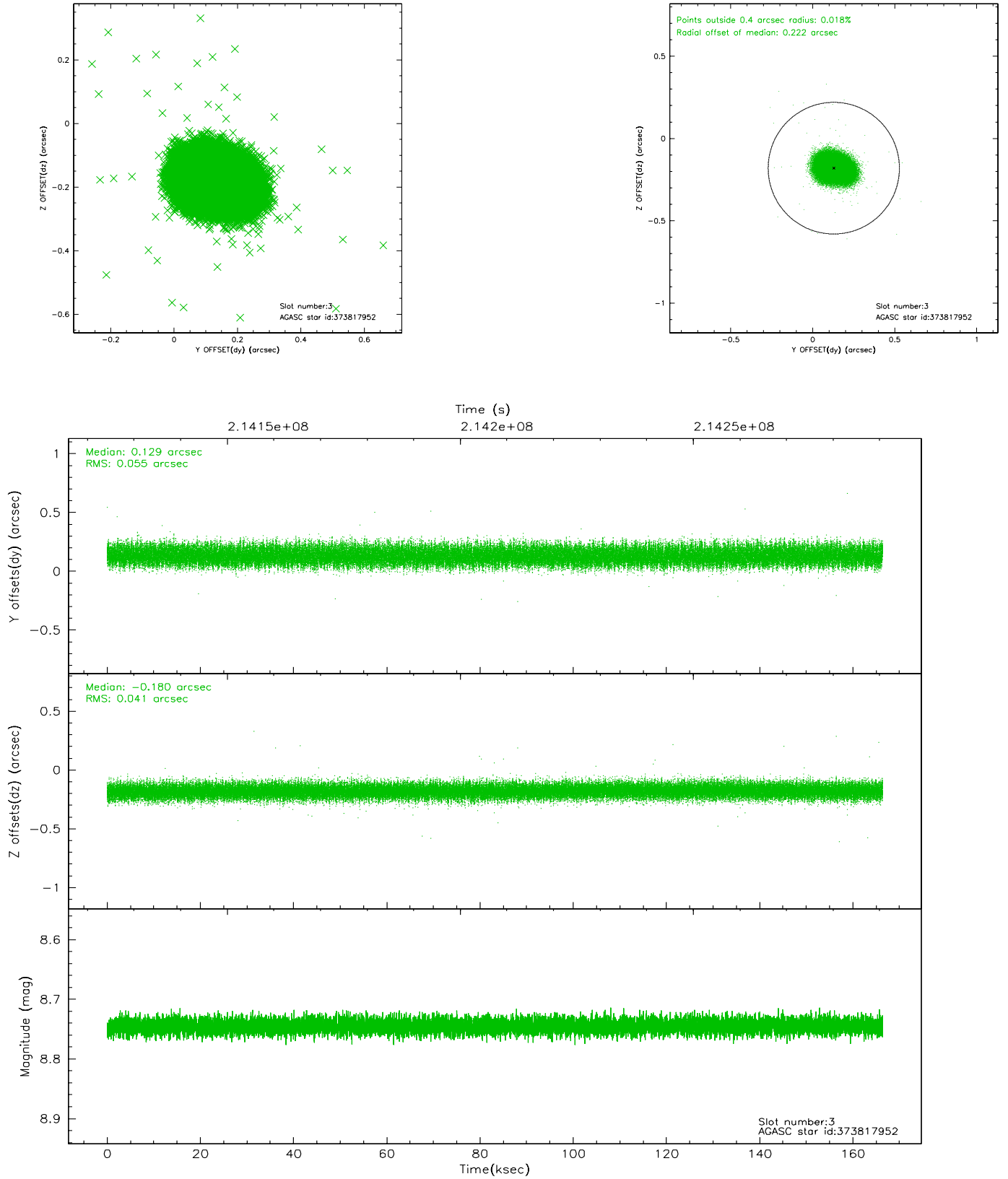


Slot Statistics

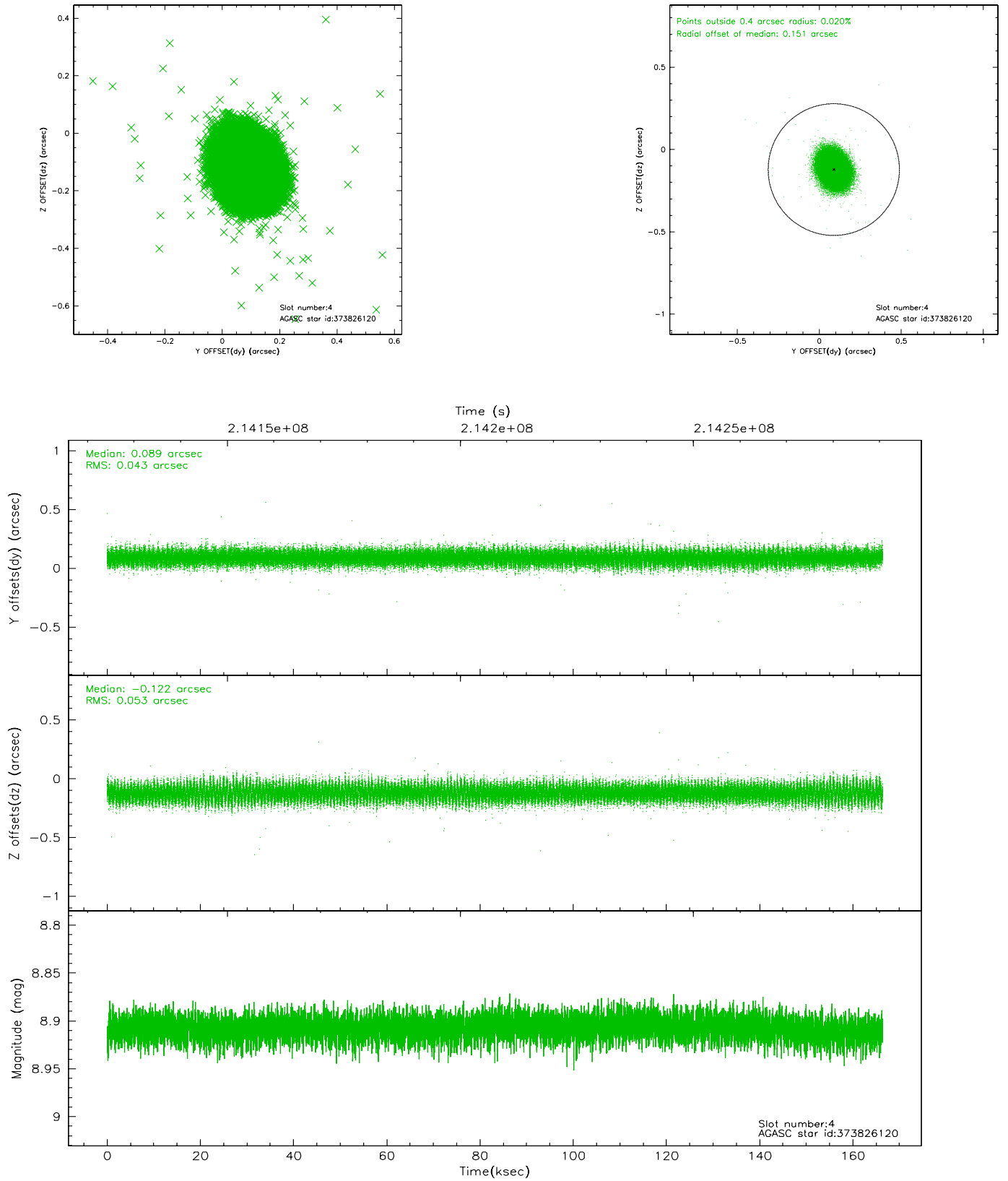
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	40589	-0.043	-0.013	0.006	0.010	0.000000	0.000000	-759.66	-1730.64
1	FID	ACIS-S-4	7.21	40589	0.034	0.029	0.006	0.010	0.000000	0.000000	2153.72	178.03
2	FID	ACIS-S-6	7.35	40591	-0.019	-0.009	0.007	0.012	0.000000	0.000000	402.17	815.24
3	GUIDE	373817952	8.75	81145	0.129	-0.180	0.073	0.116	49.913424	40.978510	-1352.40	1427.51
4	GUIDE	373826120	8.91	81143	0.089	-0.122	0.072	0.117	49.738165	41.186341	-479.60	1271.94
5	GUIDE	374352808	8.77	81142	-0.107	0.099	0.067	0.109	49.969955	42.208621	1810.92	-1674.87
6	GUIDE	374357808	8.68	81151	-0.155	0.083	0.066	0.107	49.921429	42.176083	1811.86	-1500.40
7	GUIDE	376057824	8.36	81089	0.048	0.125	0.063	0.108	50.665569	41.926280	-191.14	-2368.38

2.4 Star Slots

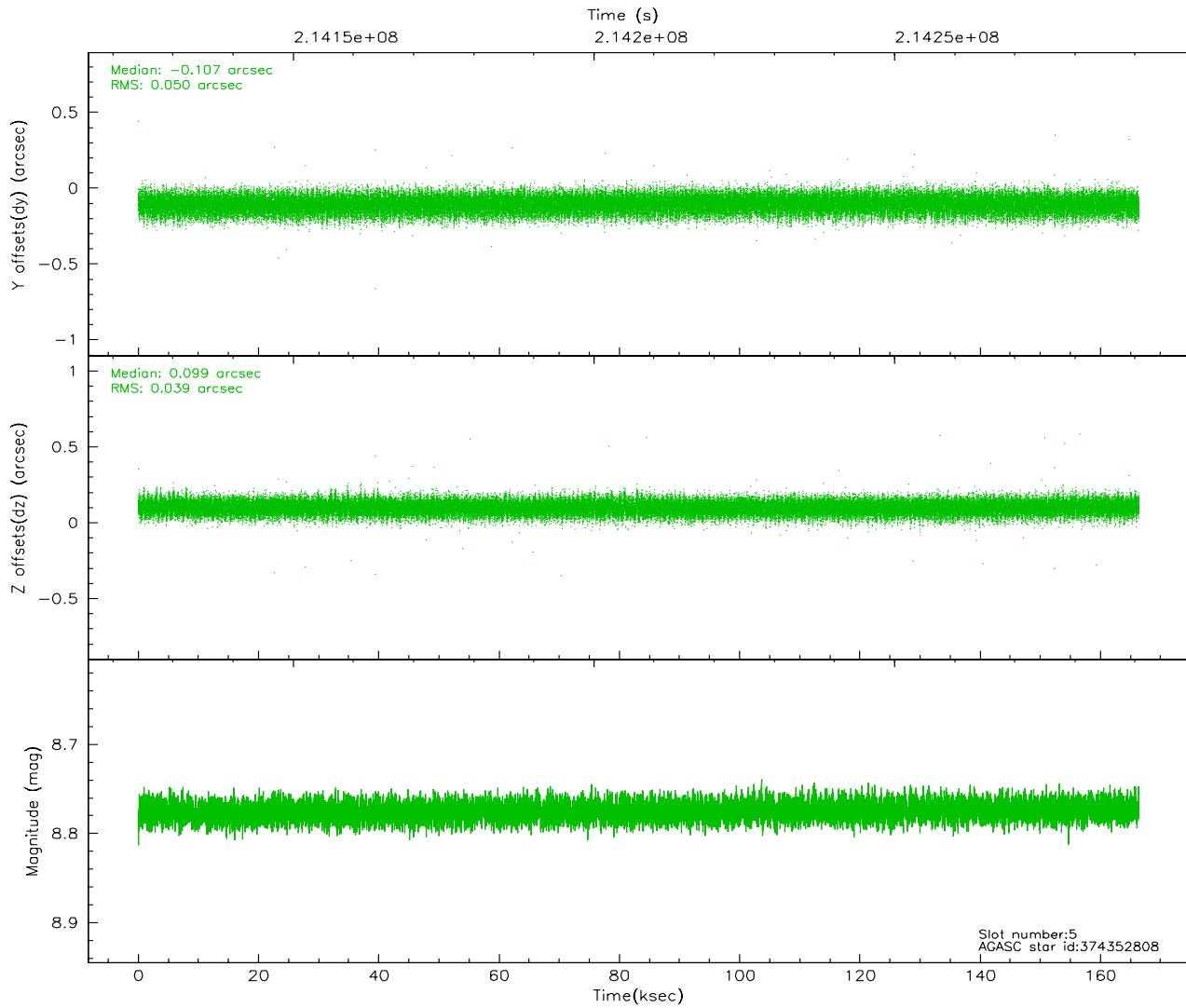
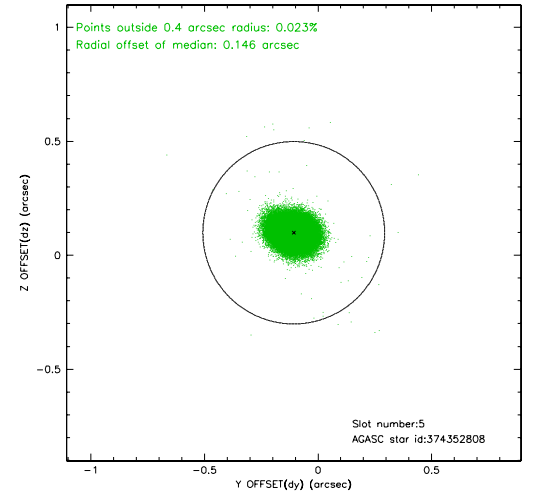
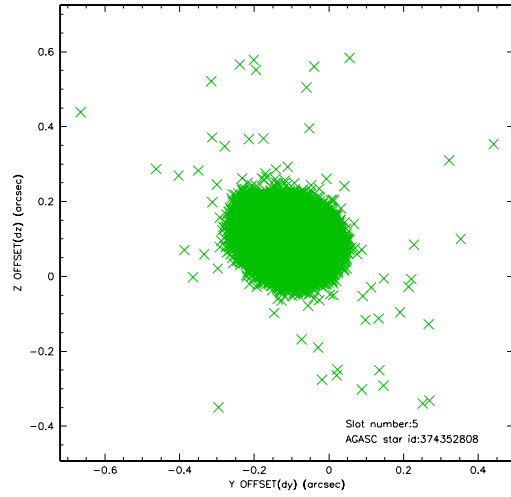
2.4.1 Slot 3



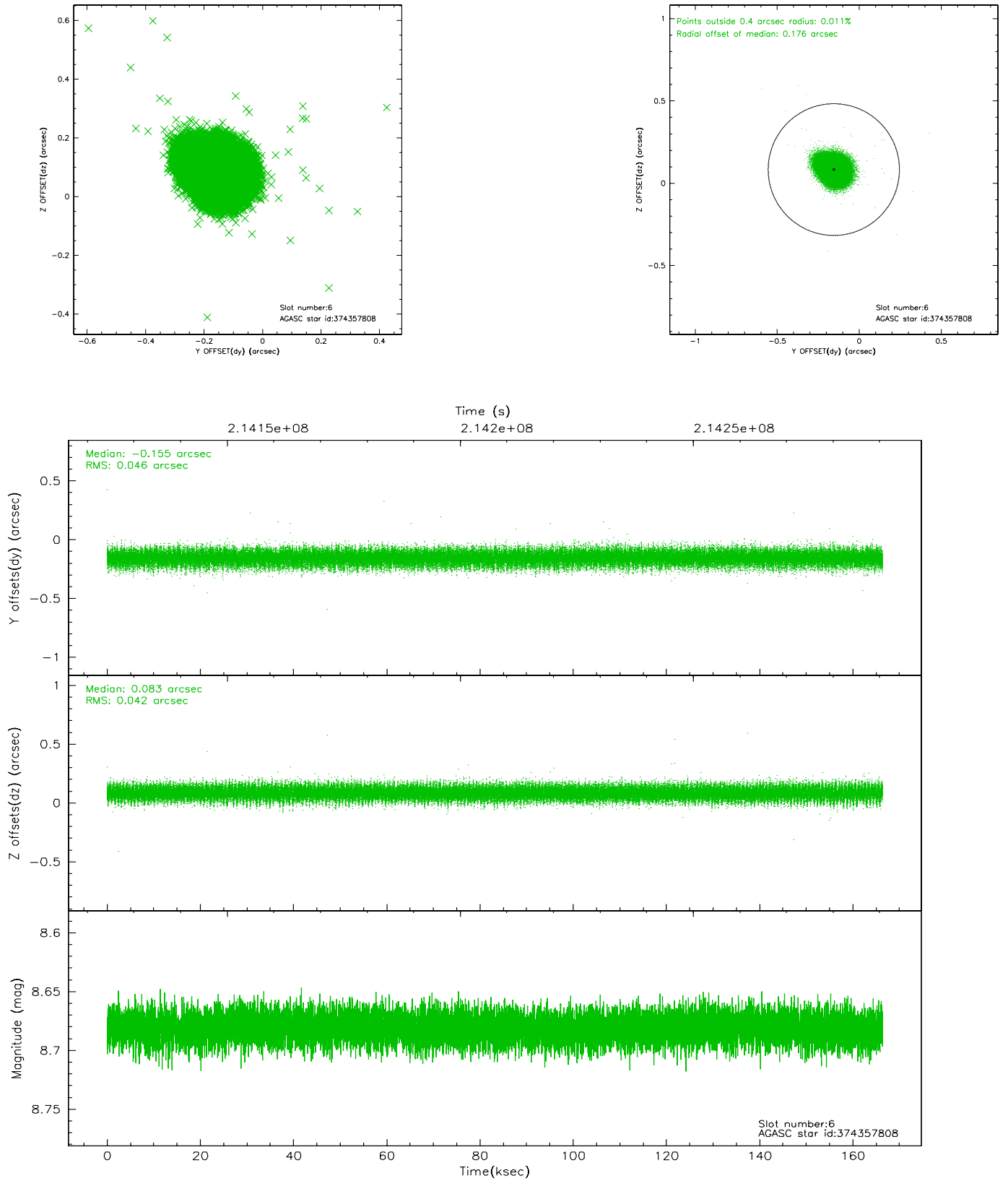
2.4.2 Slot 4



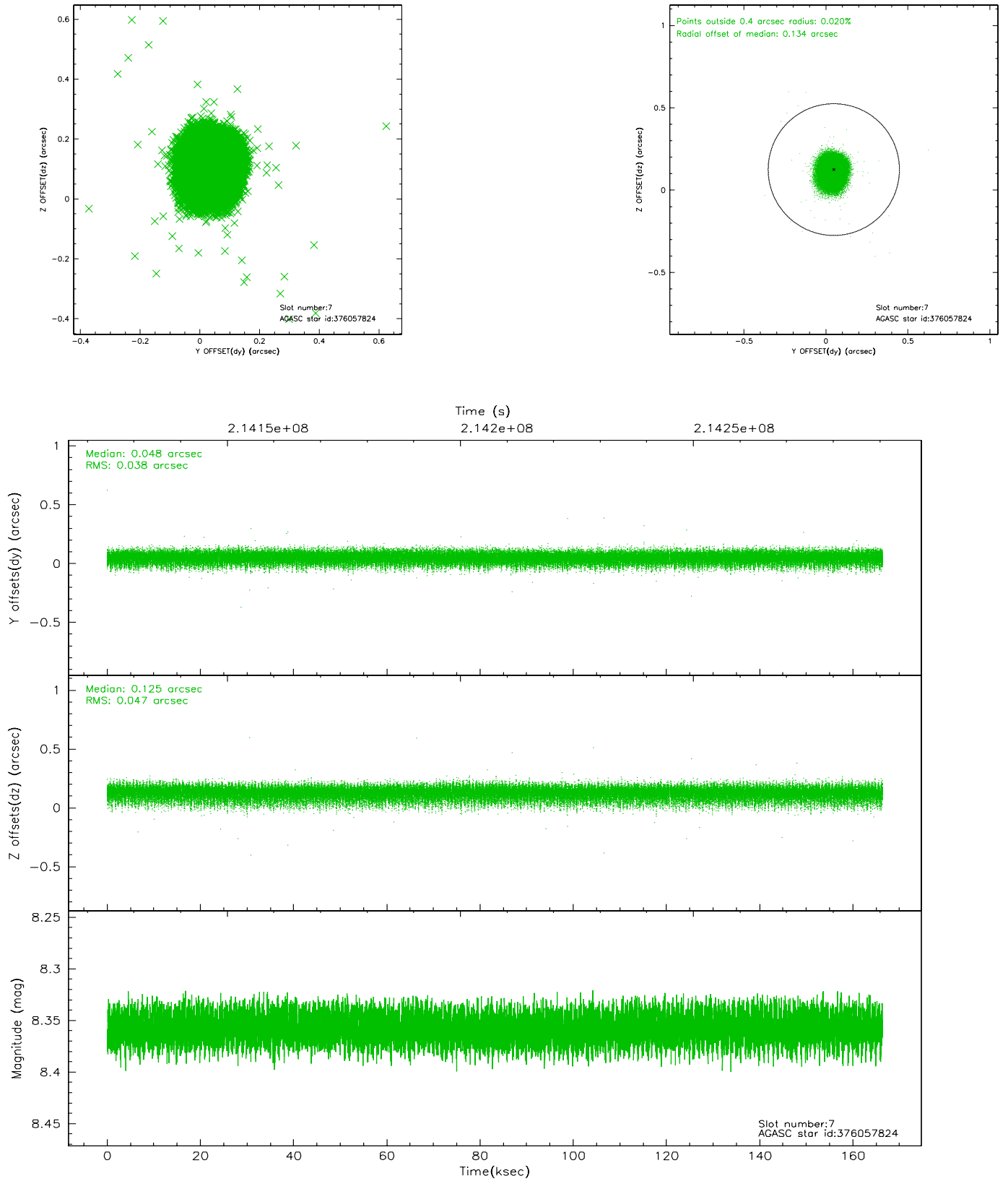
2.4.3 Slot 5



2.4.4 Slot 6

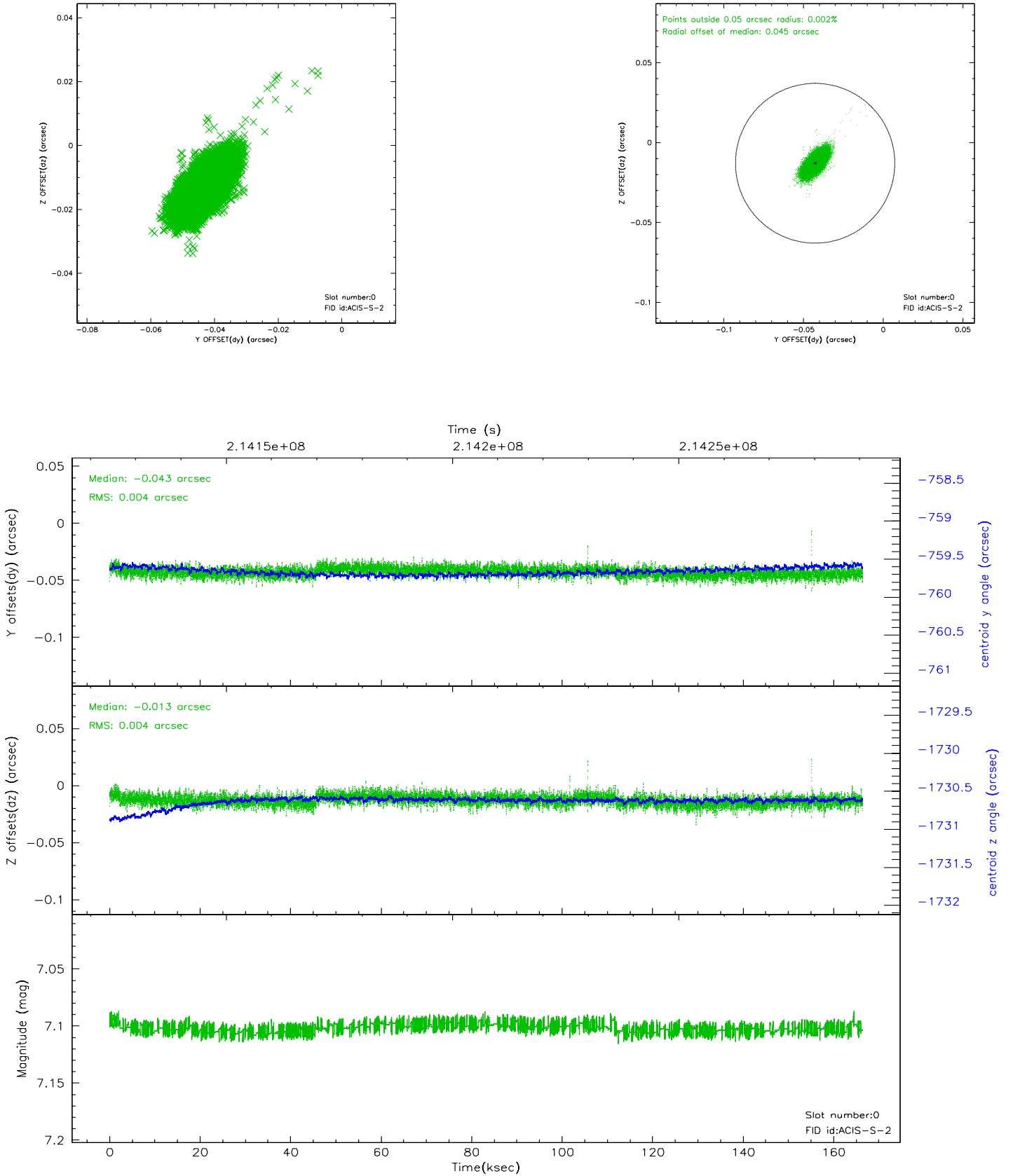


2.4.5 Slot 7

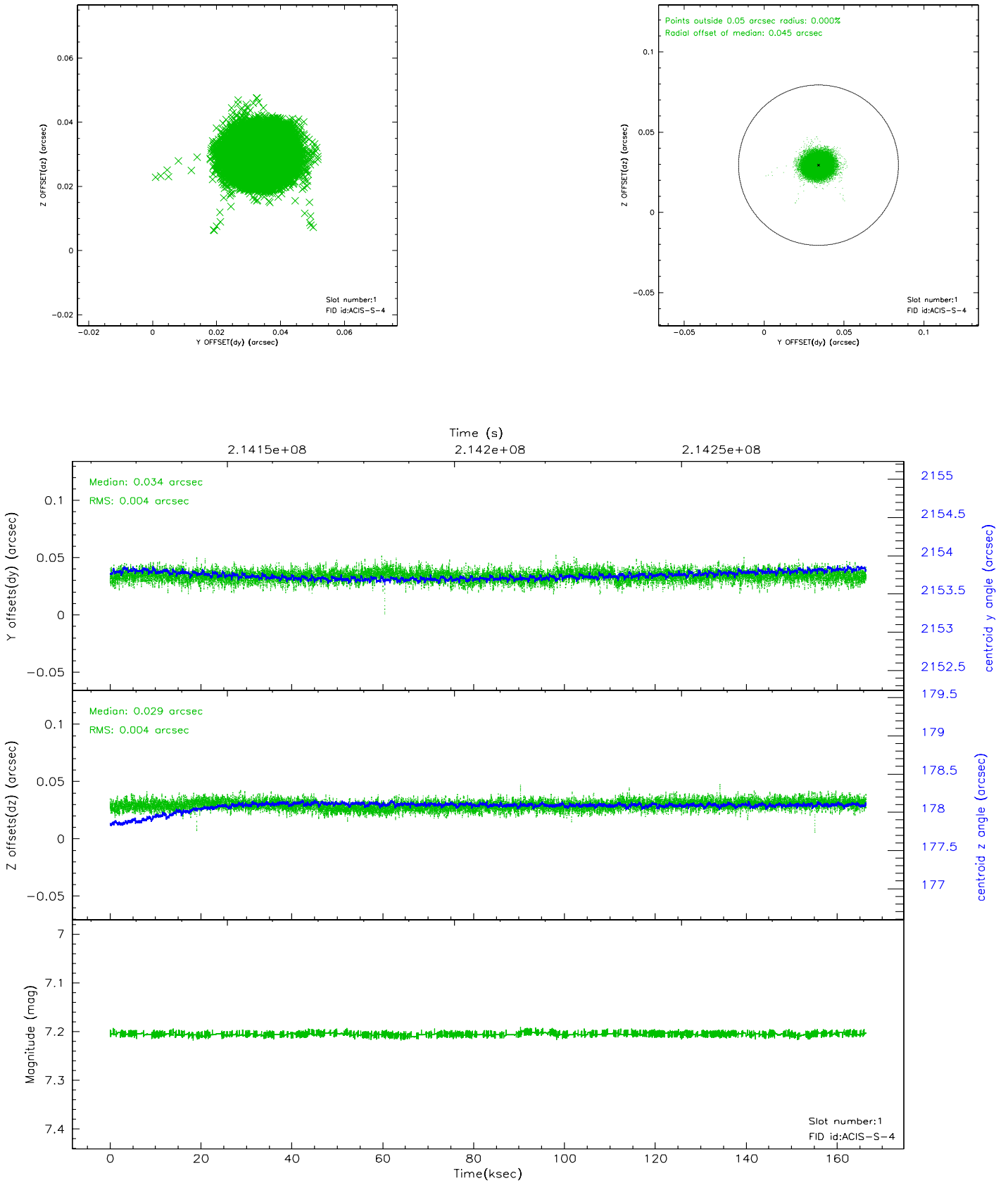


2.5 FID Slots

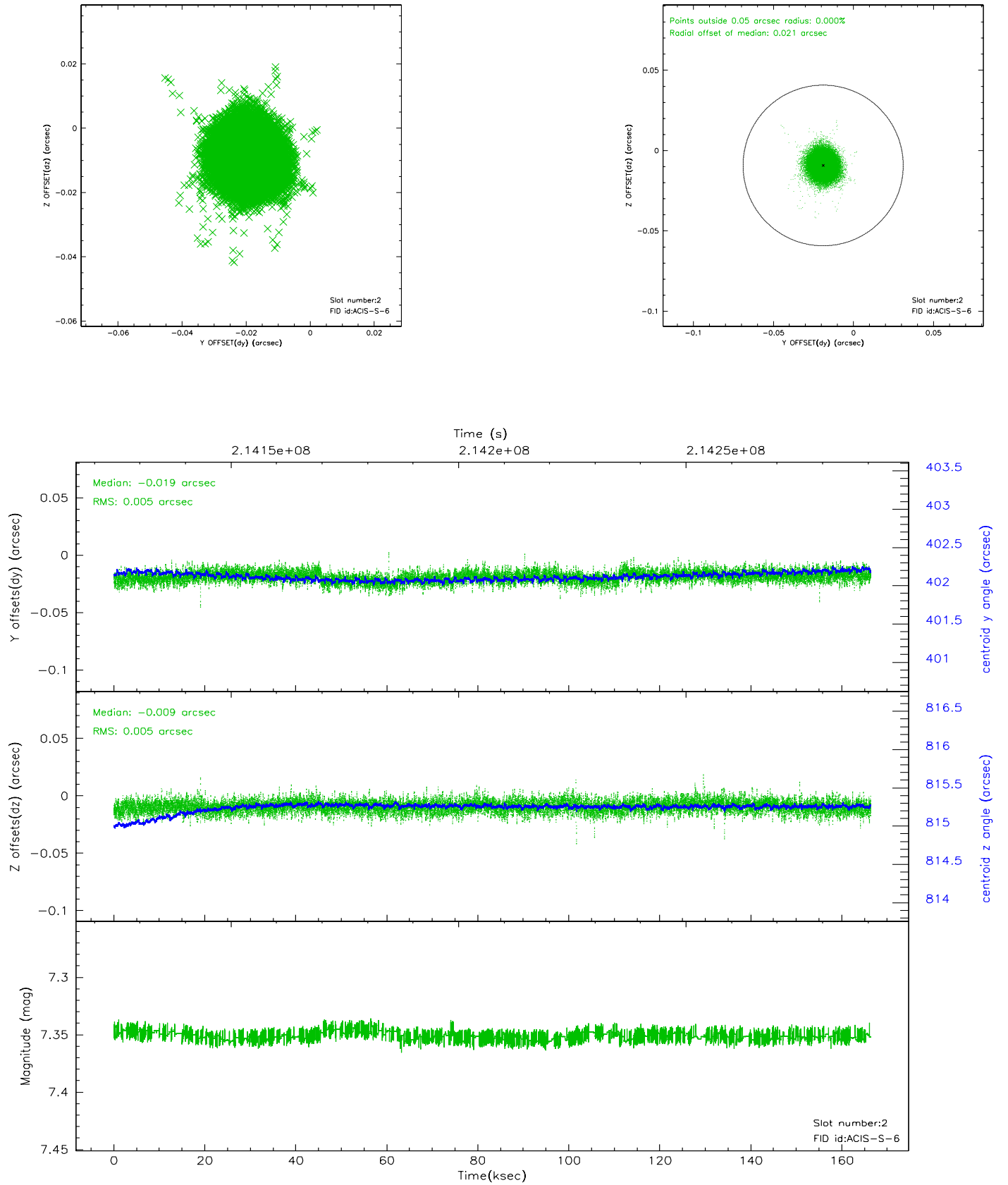
2.5.1 Slot 0



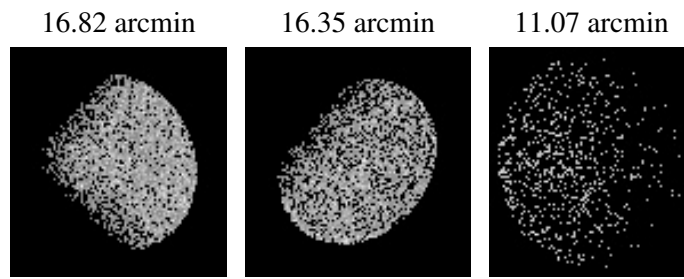
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	166.417

A.2 Comments

Focal plane temperature peaks early in the observation, then settles.