

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4030 - L2 Version 001
Chandra X-Ray Center

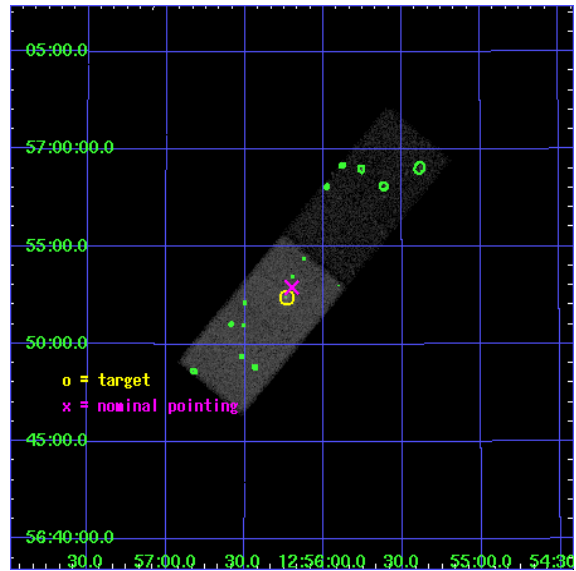
L2 Processing Date : Jul 27 2006

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1 Front

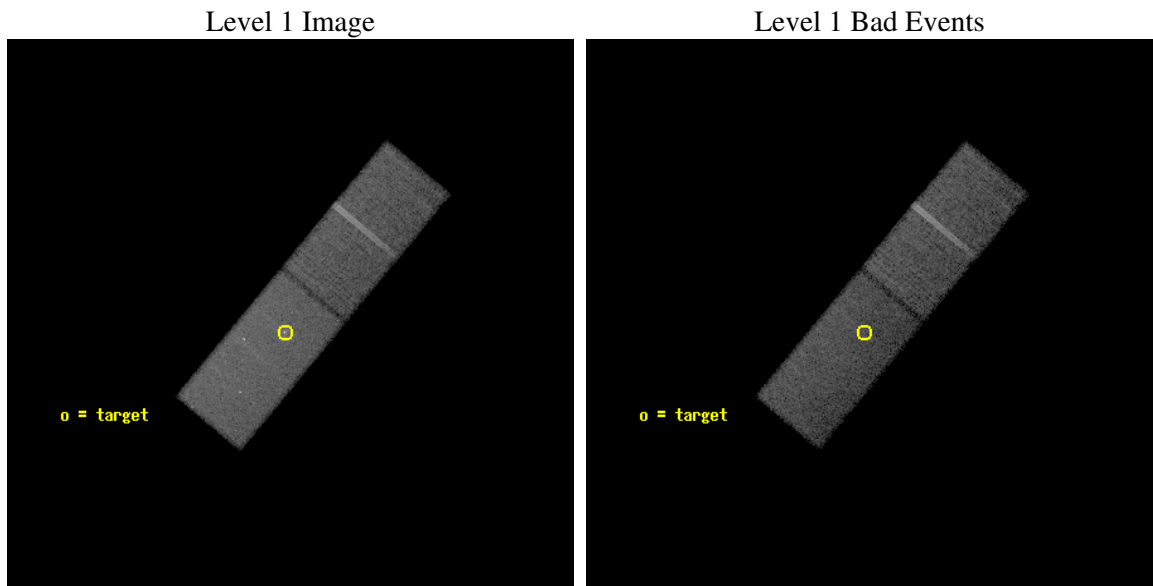
seq_num	700709
obs_id	4030
title	PROBING THE NUCLEAR GEOMETRY OF THE MOST LUMINOUS GALAXY IN THE LOCAL UNIVERSE WITH CHANDRA
observer	Dr. Sarah Gallagher
object	MARKARIAN 231
dtcycle	0
cycle	P
ra_targ	194.059167
dec_targ	56.873667
ra_nom	194.05042390169
dec_nom	56.882047280299
roll_nom	129.72016192784
revision	2
ontime	36929.599862427
livetime	36006.044812974
ontime6	36927.958872288
ontime7	36929.599862427
l2events	77594



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 6

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-27T21:37:36
revision	2

sched_exp_time	36770.001000
ontime	37607.300931156
ontime6	37605.659941018
ontime7	37607.300931156
l1events	287233

2.1.4 Events

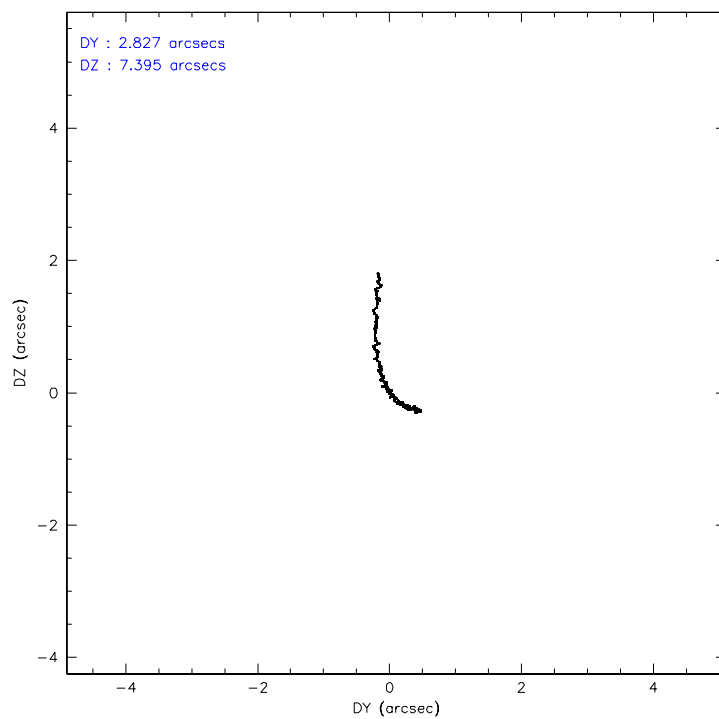
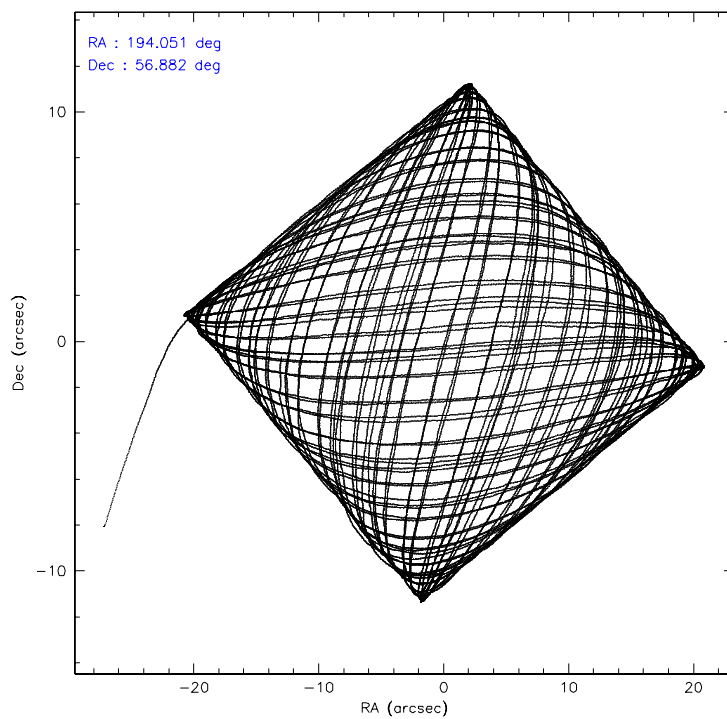
	ccd 6	ccd 7
level 1 events	126508	160725
rejected events	111759	93984
rejected %	88%	58%

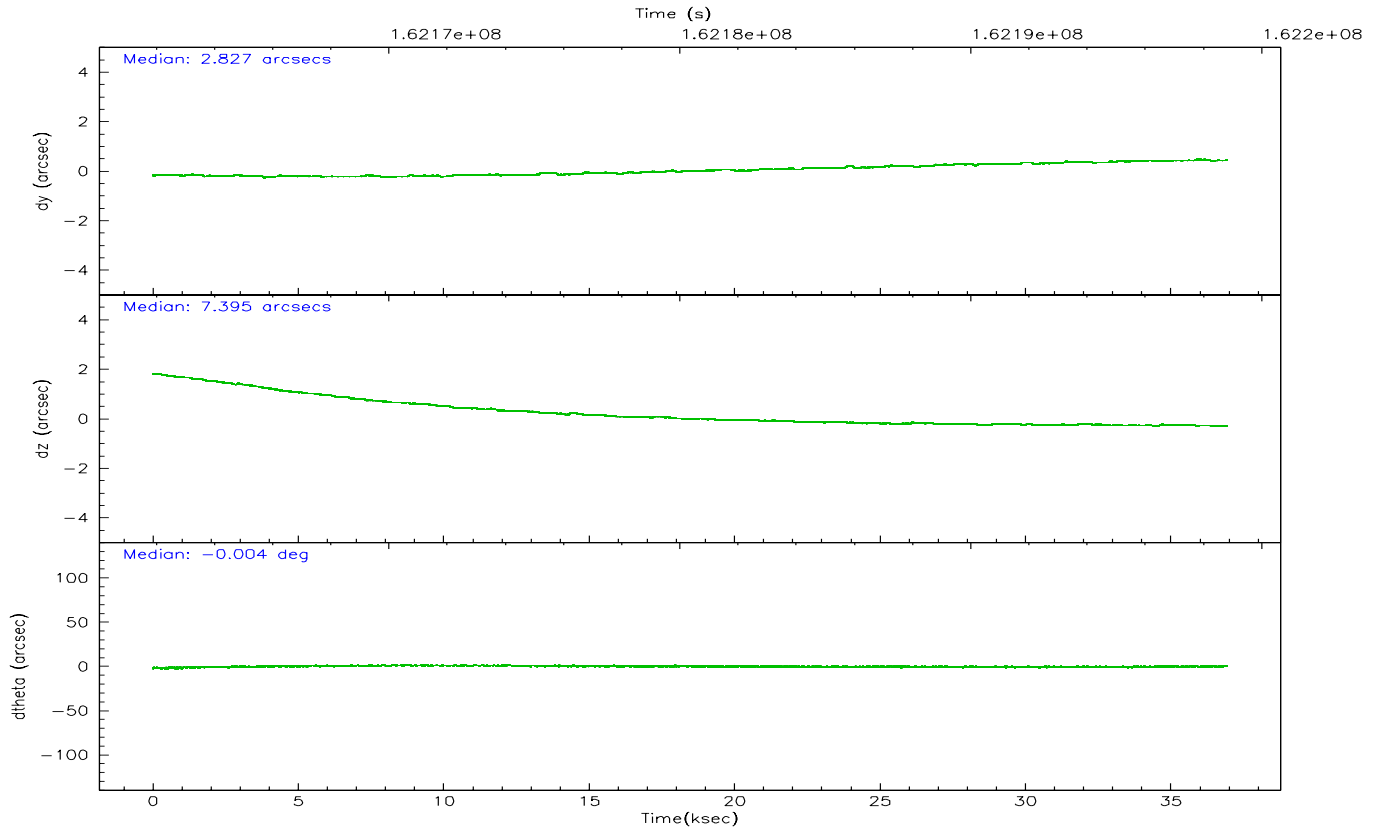
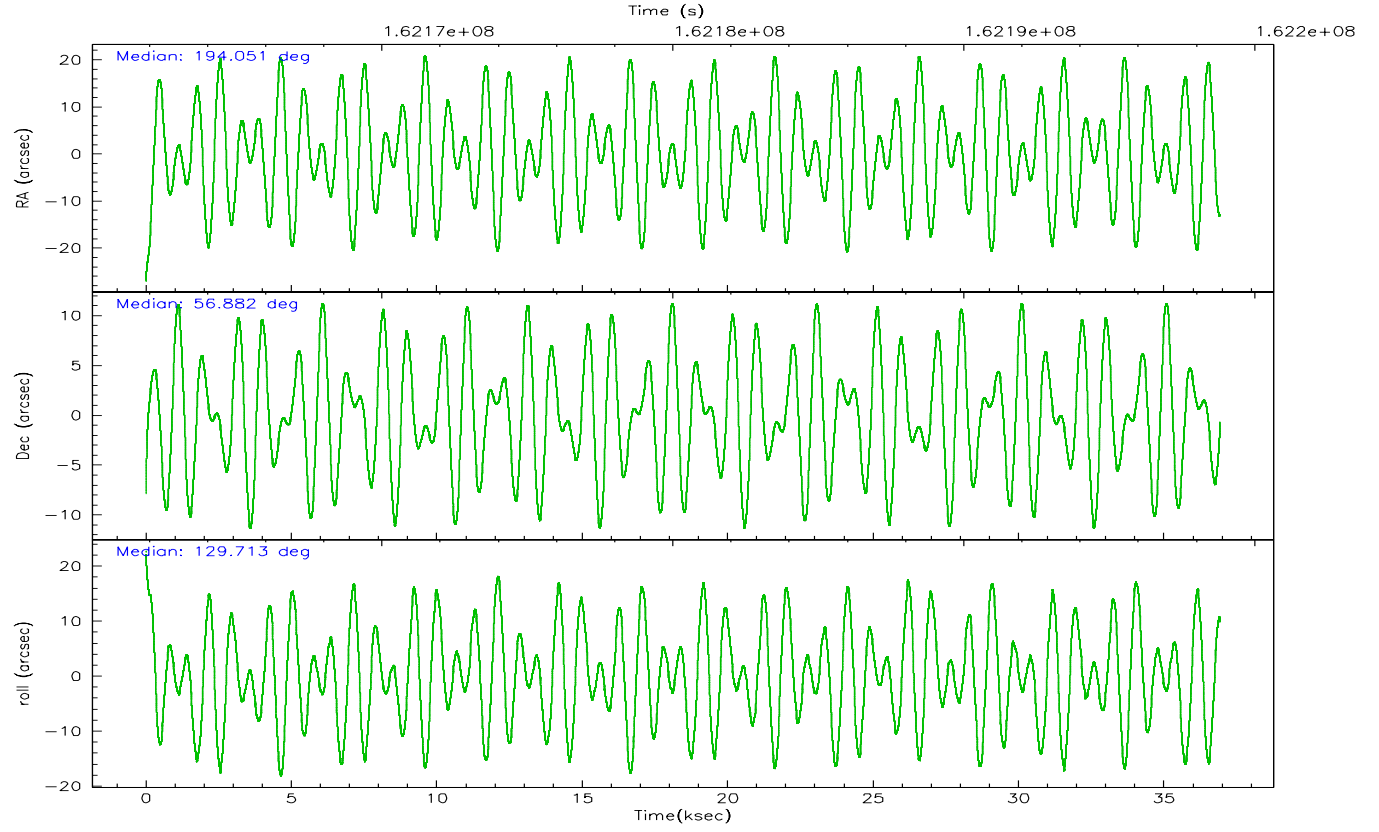
	ccd 6	ccd 7
grade 0 events	5974	5496
	4%	3%
grade 1 events	37	105
	0%	0%
grade 2 events	2678	16584
	2%	10%
grade 3 events	1754	4492
	1%	2%
grade 4 events	1780	4356
	1%	2%
grade 5 events	5355	10817
	4%	6%
grade 6 events	2834	37048
	2%	23%
grade 7 events	106096	81827
	83%	50%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-67	ACIS-67	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	194.097391	194.0504239016901	Subarray start row	0	257
Pointing Dec	56.872975	56.88204728029901	Subarray row count	1024	512
Pointing Roll	129.524205	129.720161927837	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	1.6
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	162162053.184000	162161016.58898			
Observation start date	2003-02-20T20:59:49	2003-02-20T20:43:36			
Observation end time	162198823.184000	162199137.36558			
Observation end date	2003-02-21T07:12:39	2003-02-21T07:18:57			
Read mode	TIMED	TIMED			

2.3 Aspect



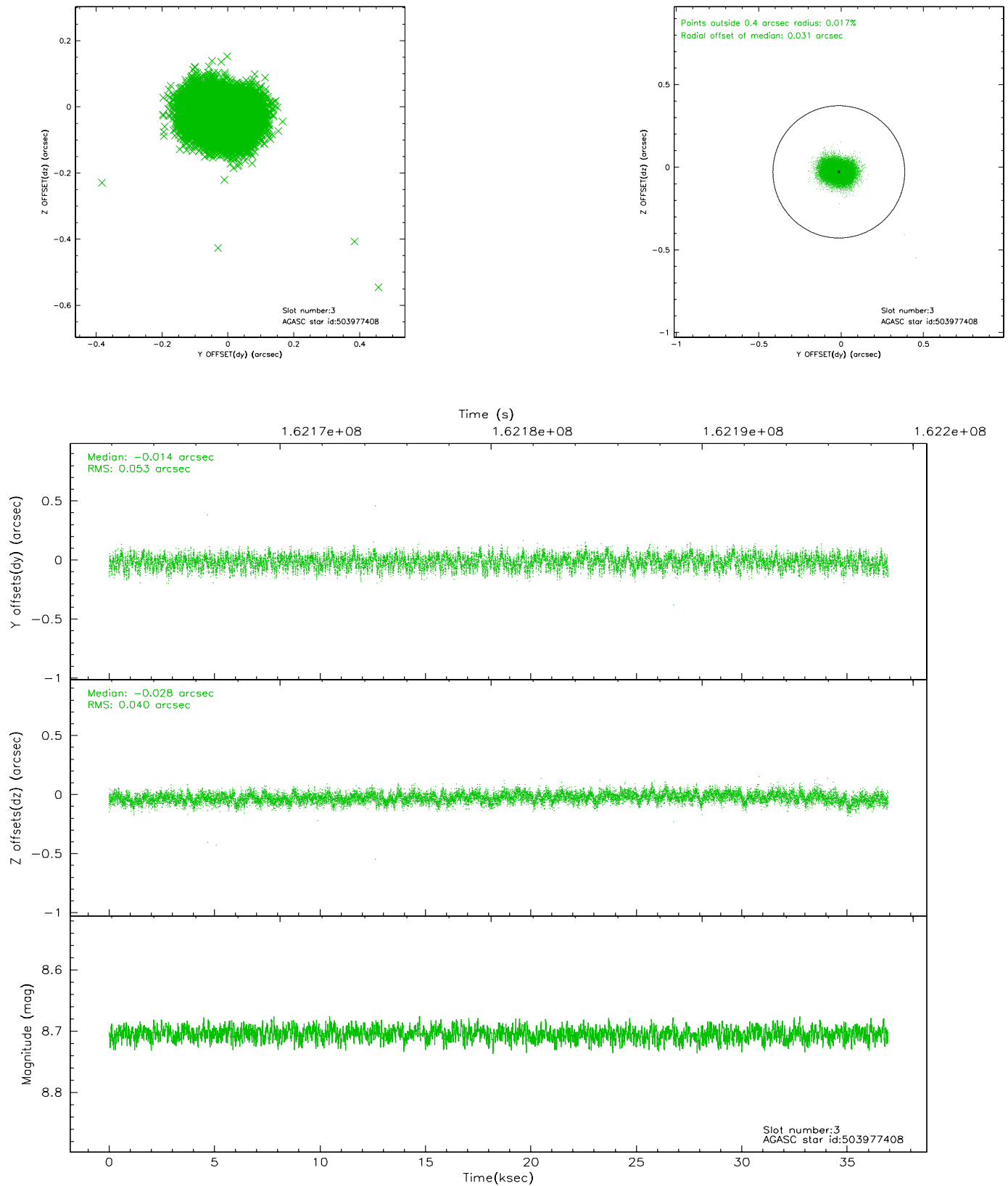


Slot Statistics

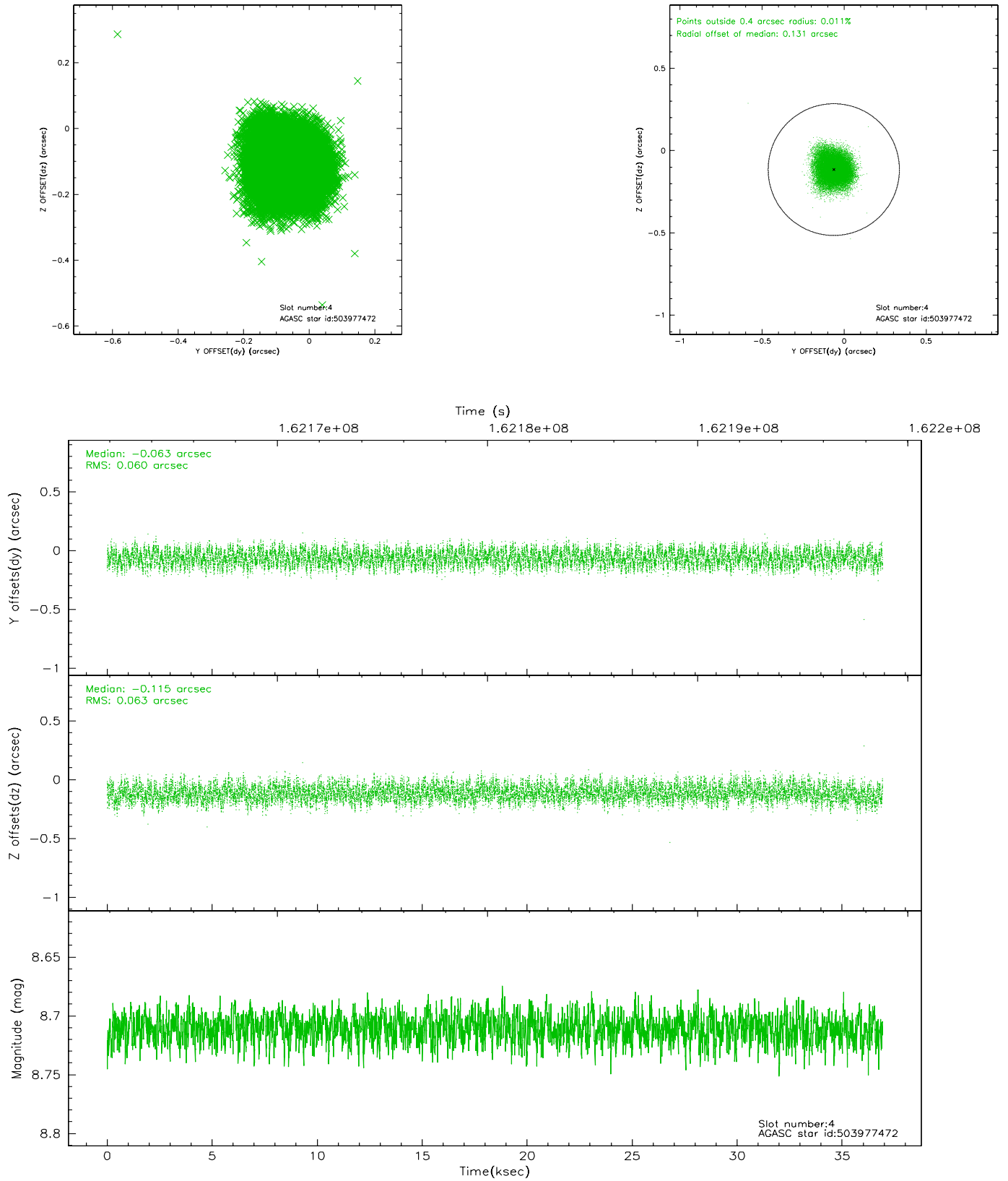
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9007	-0.009	0.015	0.010	0.017	0.000000	0.000000	-755.52	-1728.83
1	FID	ACIS-S-4	7.21	9007	-0.048	0.001	0.014	0.026	0.000000	0.000000	2157.70	179.62
2	FID	ACIS-S-5	7.24	9008	0.024	-0.007	0.014	0.021	0.000000	0.000000	-1808.29	173.31
3	GUIDE	503977408	8.70	18011	-0.014	-0.028	0.071	0.113	192.662536	56.861423	1787.74	2186.01
4	GUIDE	503977472	8.71	18010	-0.063	-0.115	0.094	0.142	193.107383	56.634174	595.21	2050.26
5	GUIDE	503980544	9.39	18001	-0.080	0.150	0.105	0.170	195.335648	57.048690	-1037.87	-2286.48
6	GUIDE	503980752	9.56	18014	0.073	0.018	0.118	0.196	195.429177	56.932049	-1480.66	-2169.45
7	GUIDE	504368776	7.97	18015	0.080	-0.017	0.091	0.151	194.317087	57.691724	2005.57	-2202.13

2.4 Star Slots

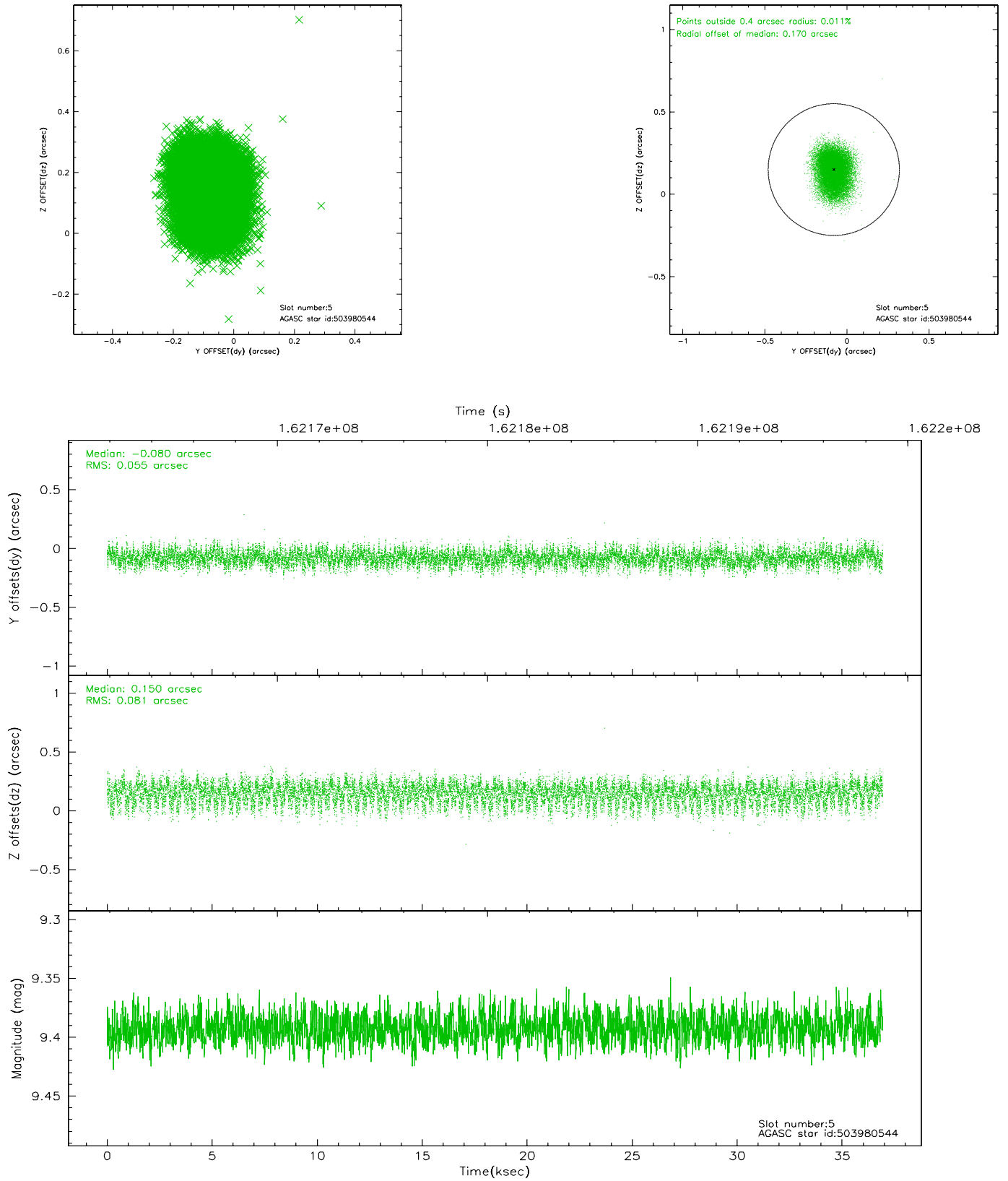
2.4.1 Slot 3



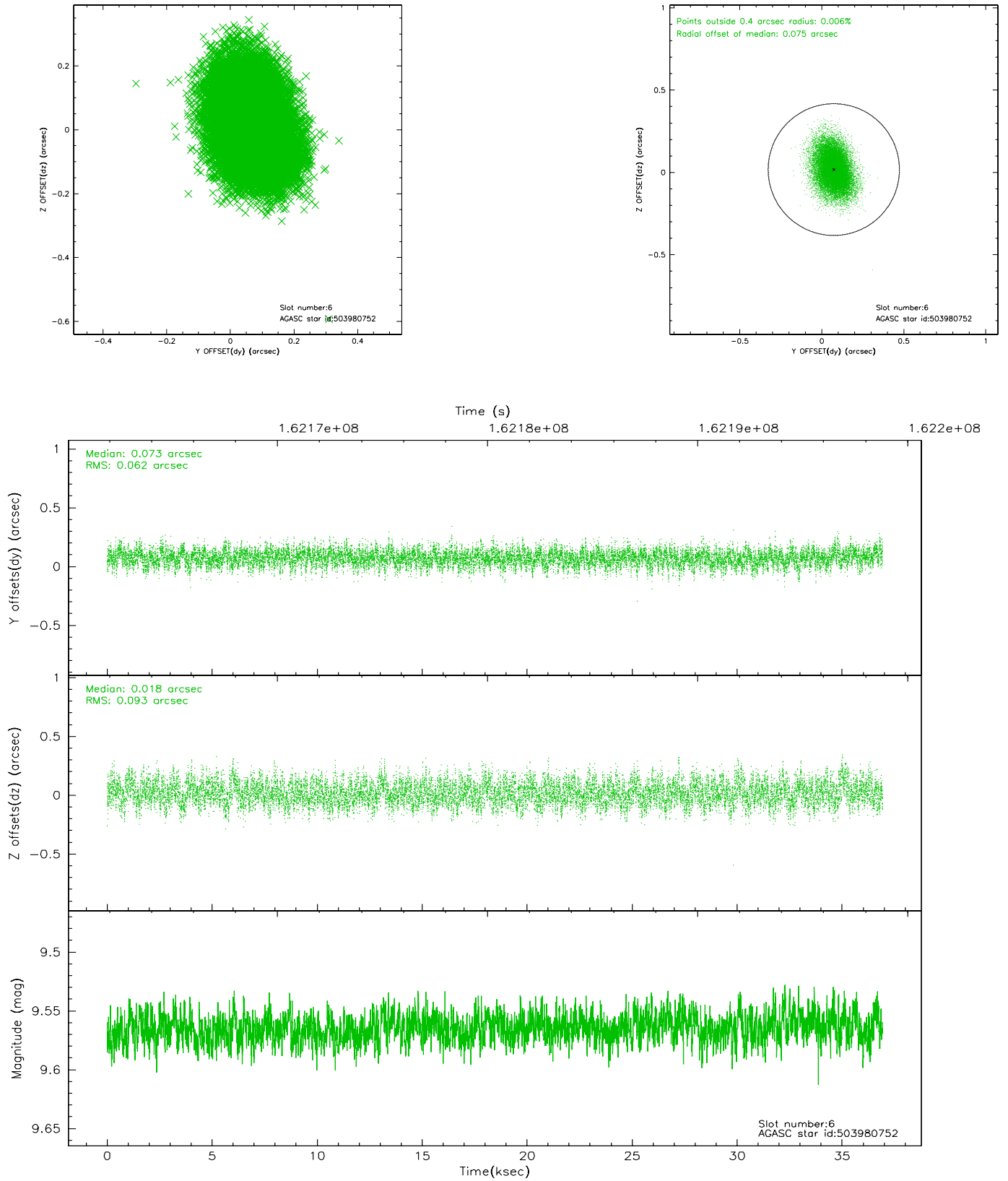
2.4.2 Slot 4



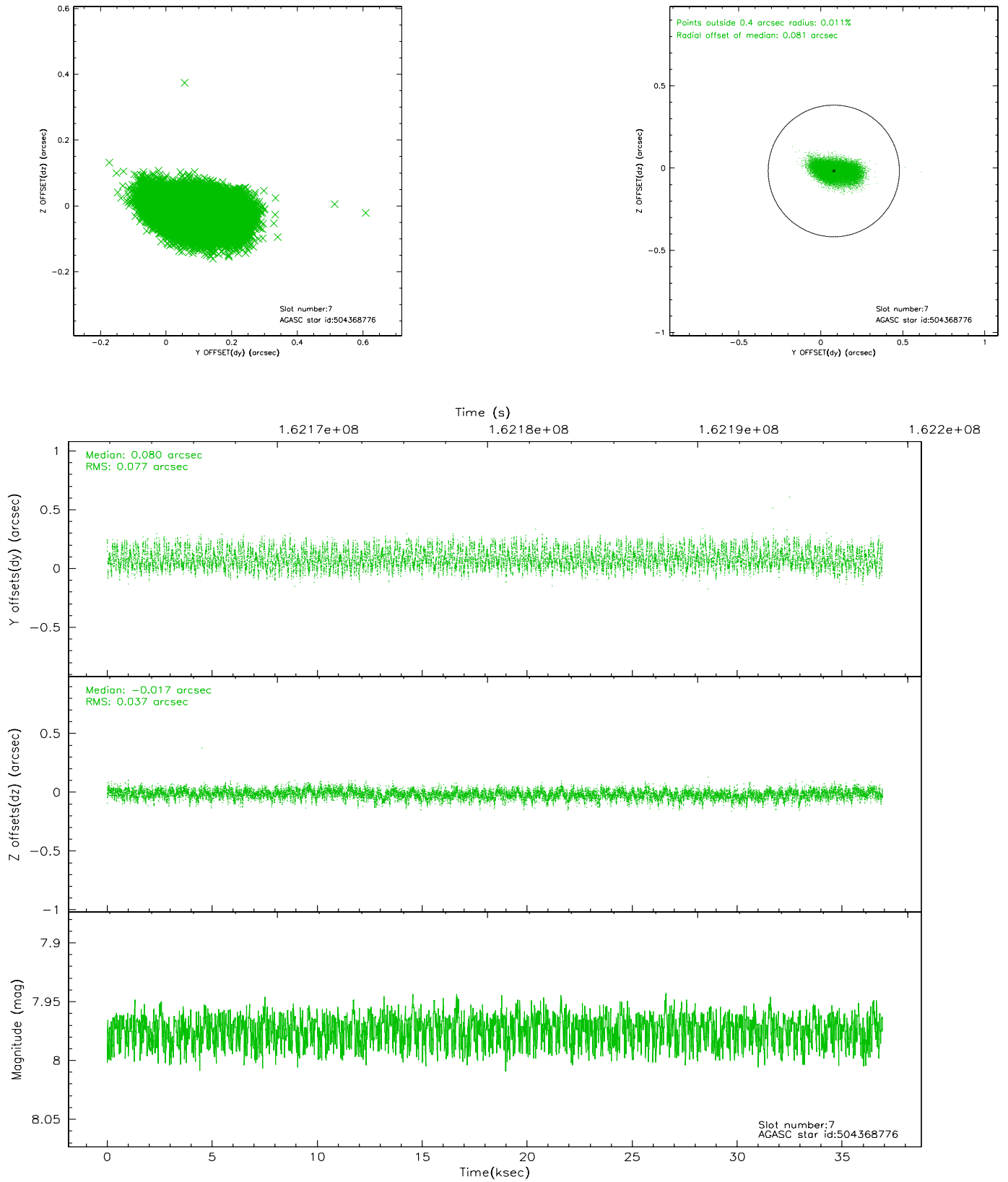
2.4.3 Slot 5



2.4.4 Slot 6

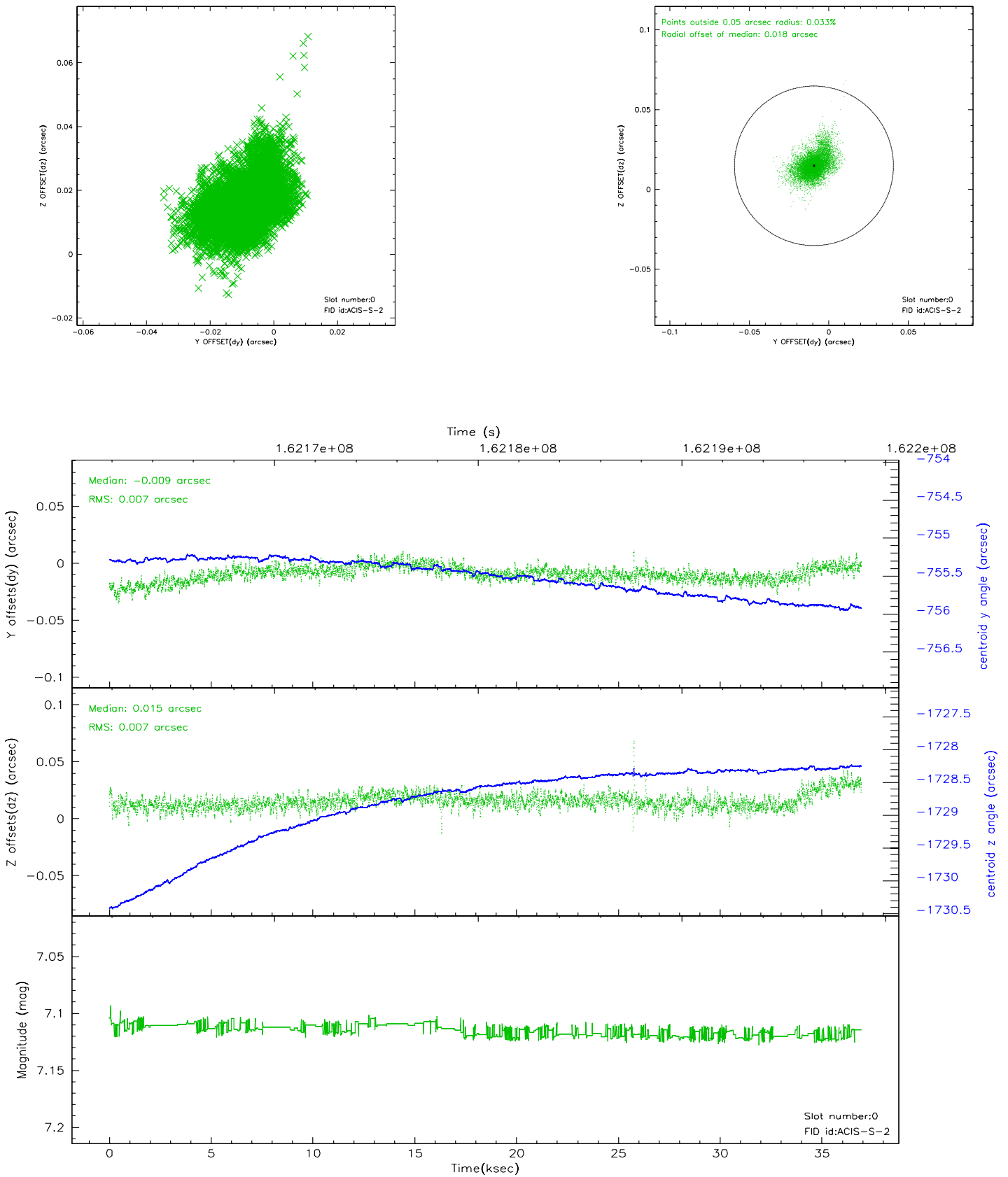


2.4.5 Slot 7

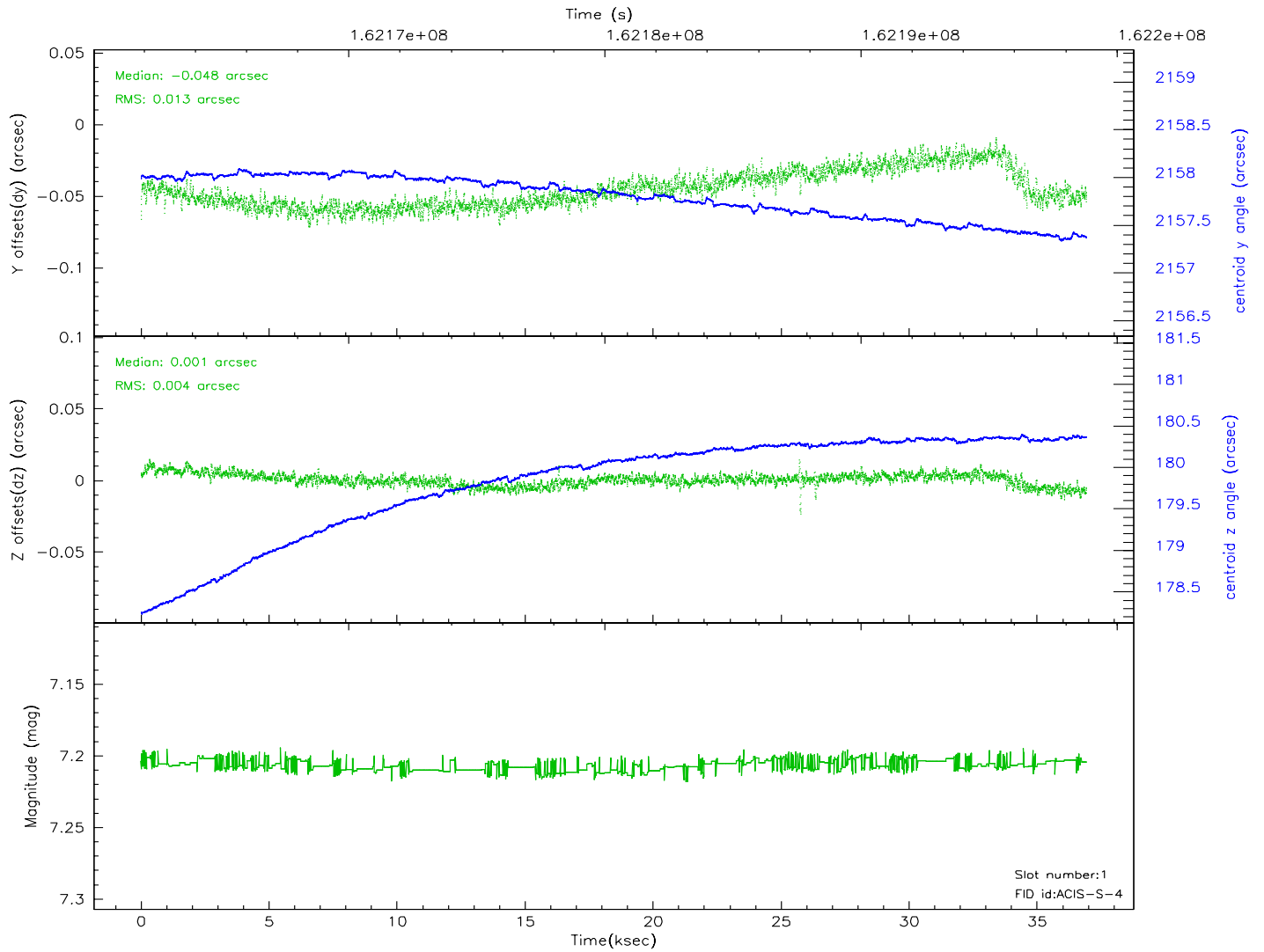
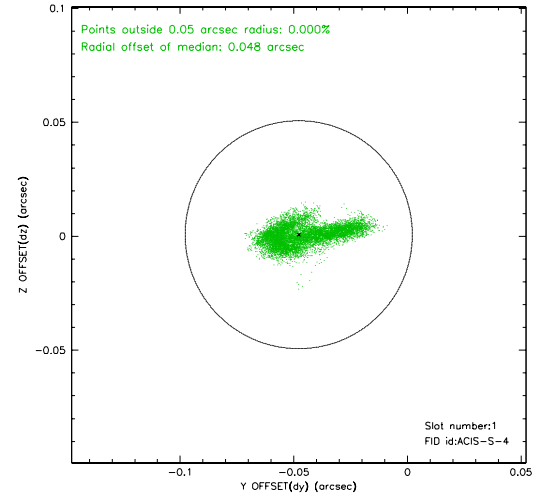
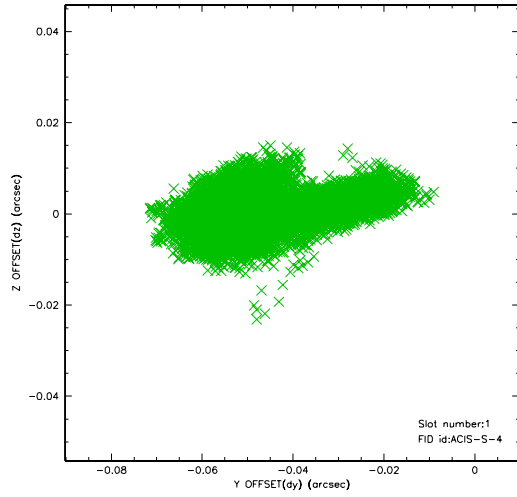


2.5 FID Slots

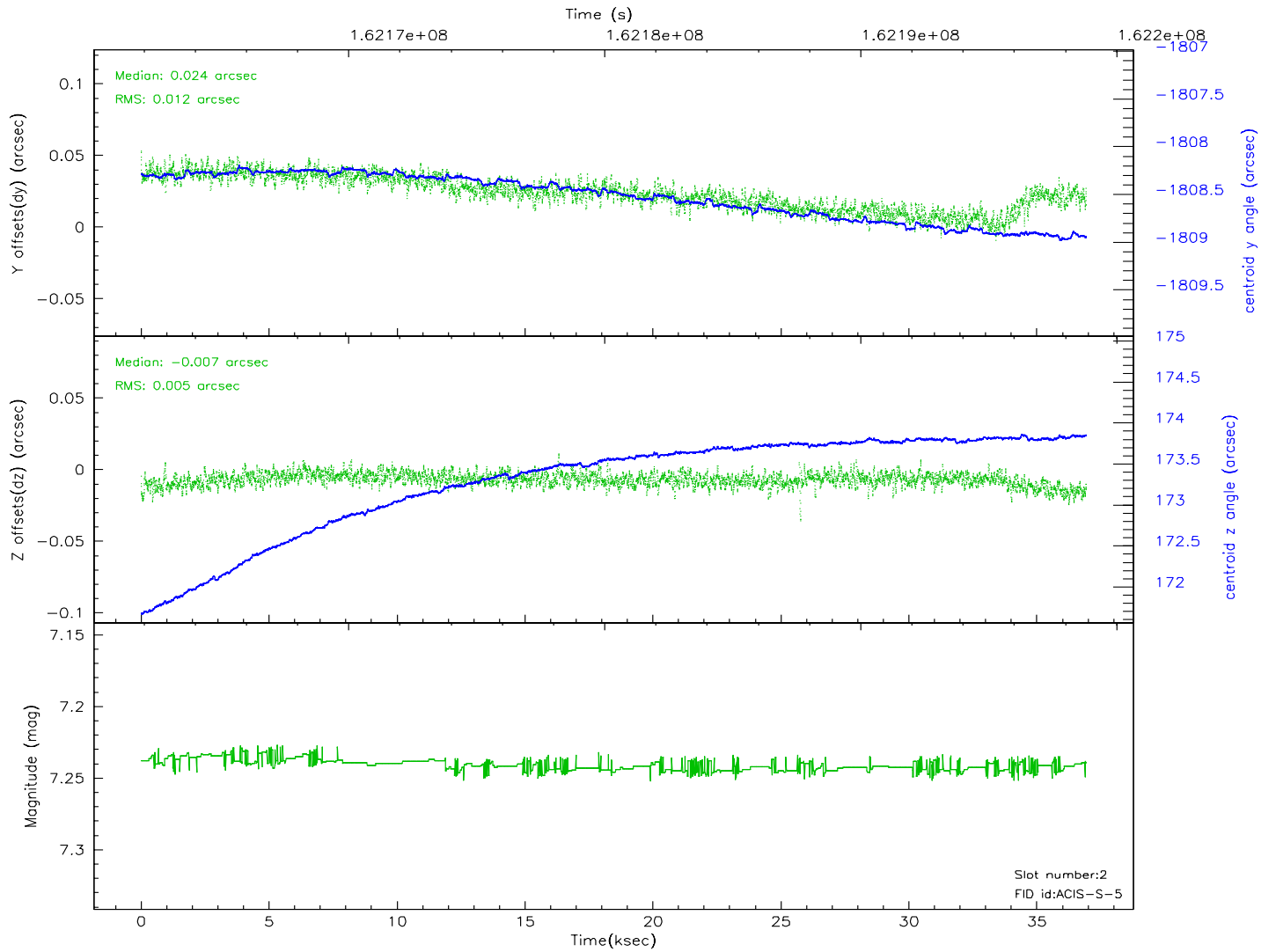
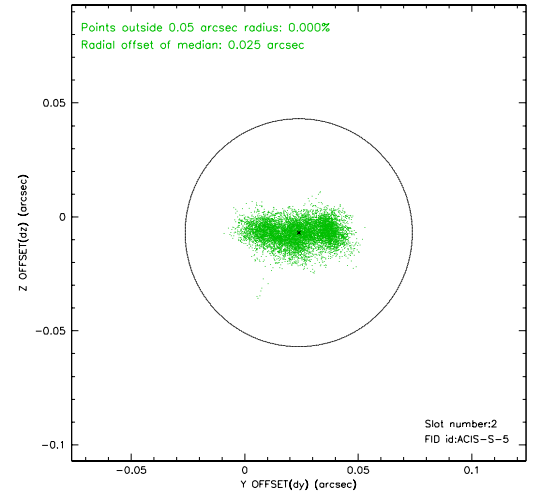
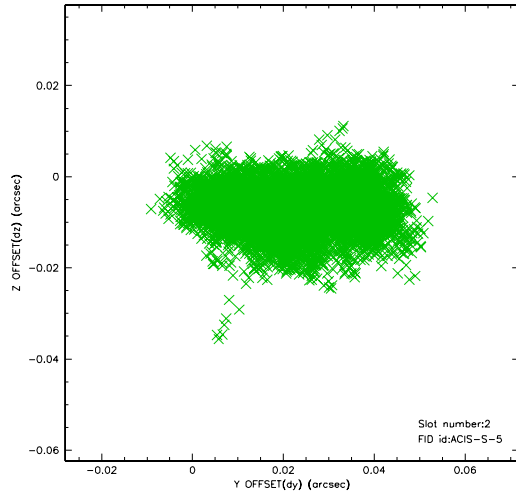
2.5.1 Slot 0



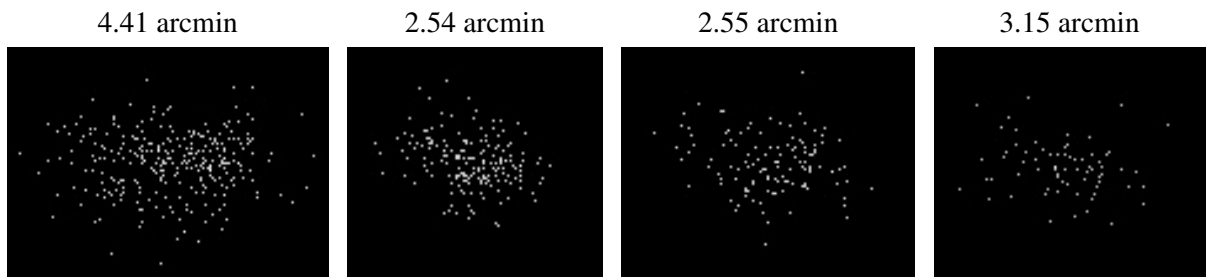
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.929

A.2 Comments

Monitor constraint met.