

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 5829 - L2 Version 003
Chandra X-Ray Center

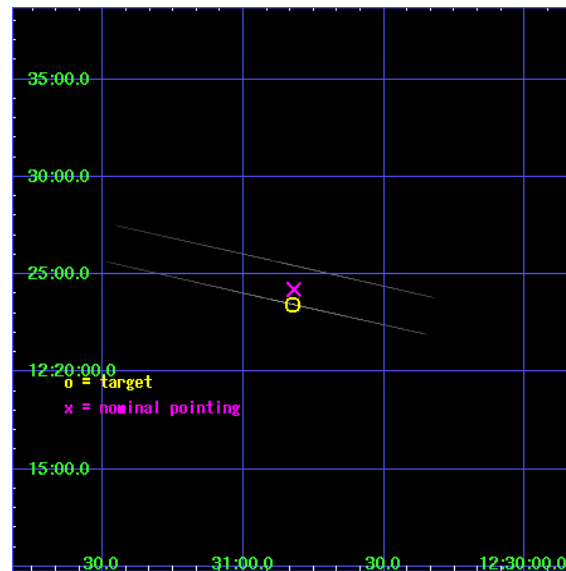
L2 Processing Date : Sep 15 2006

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1 Front

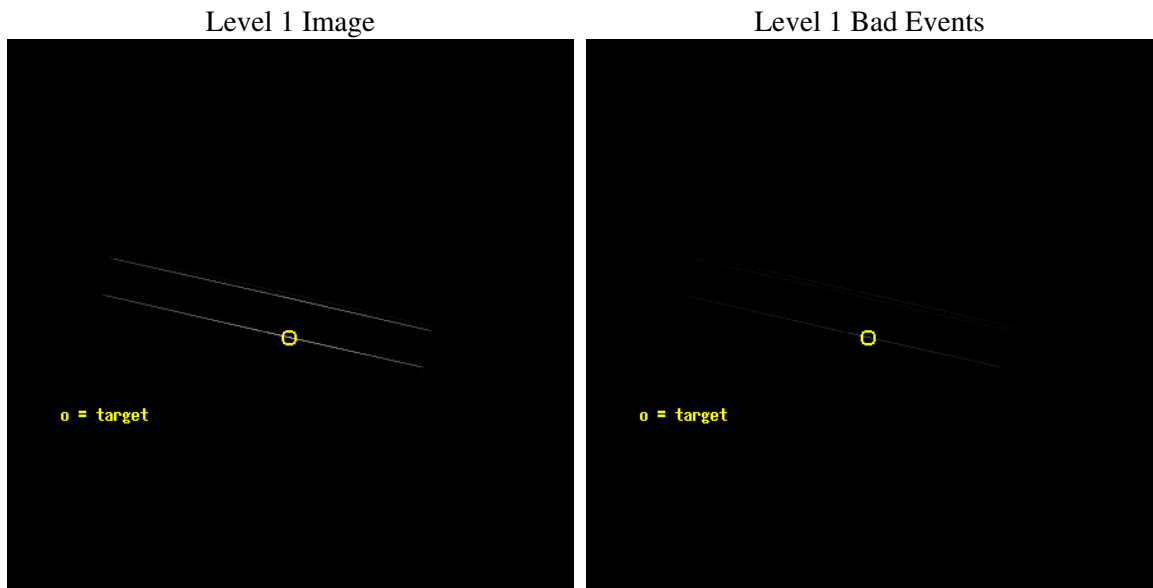
seq_num	800539
obs_id	5829
title	The History of AGN Activity in M87 and the Interaction of Nuclear Outbursts with the Surrounding Atmosphere
observer	Dr. William Forman
object	M87
ra_targ	187.70625
dec_targ	12.391111
ra_nom	187.70527050424
dec_nom	12.403775396231
roll_nom	102.60892451117
revision	3
ontime	4131.25
livetime	4115.1123046875
ontime0	4131.25
ontime1	4131.25
ontime2	4131.25
ontime3	4131.25
l2events	171158



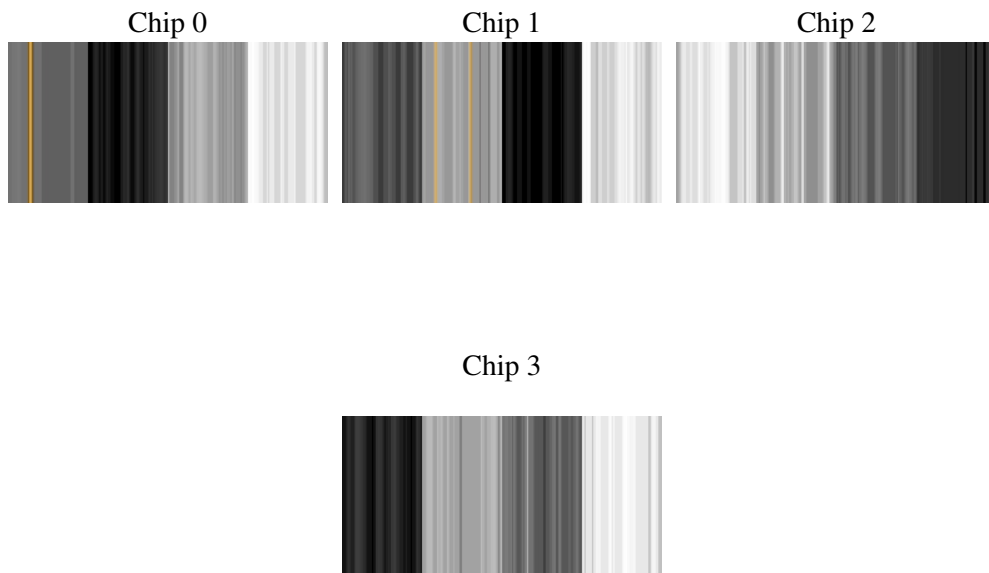
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-15T18:36:04
revision	3

sched_exp_time	4000.000000
ontime	4329.3662411869
ontime0	4329.4281597137
ontime1	4329.3661783338
ontime2	4329.4276563227
ontime3	4329.3662411869
l1events	193209

2.1.4 Events

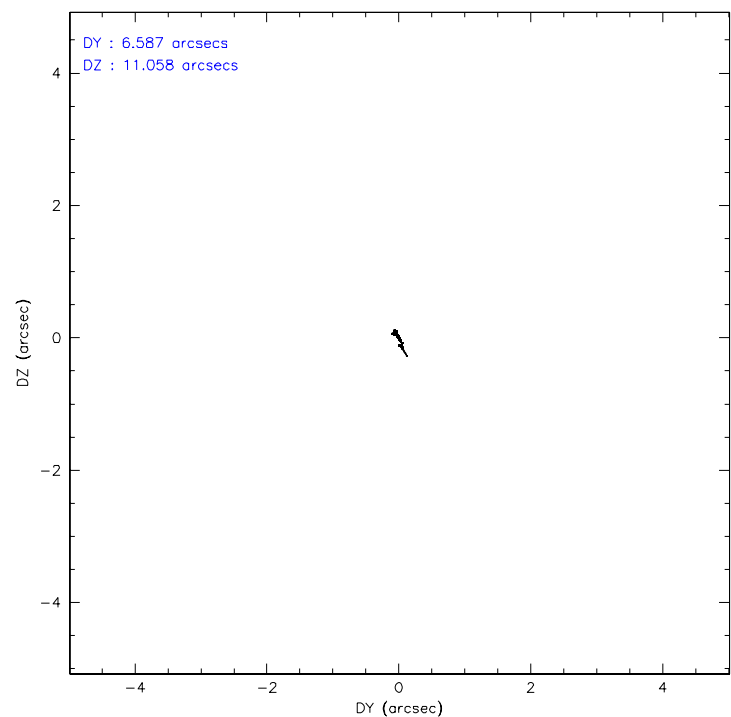
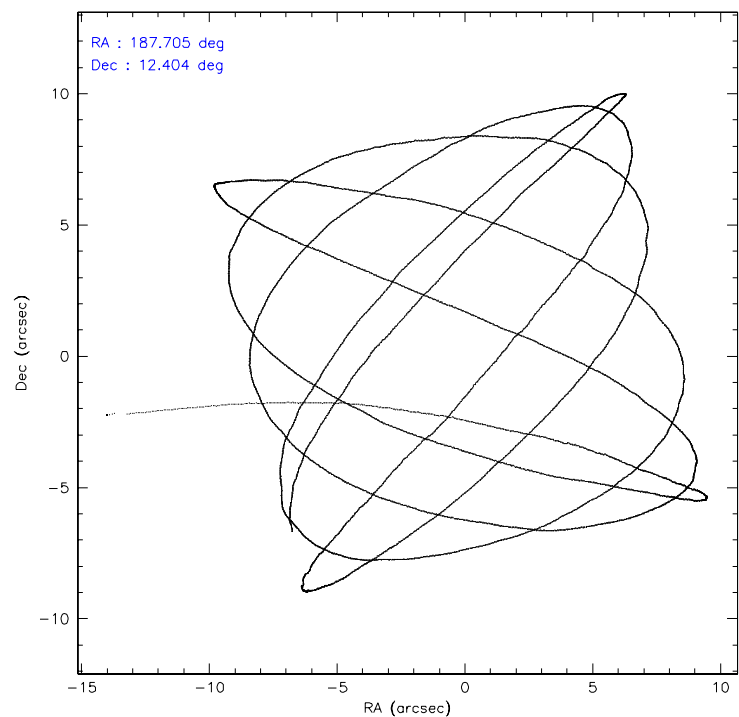
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	23768	34264	38324	96853
rejected events	2193	2692	2631	5603
rejected %	9%	7%	6%	5%

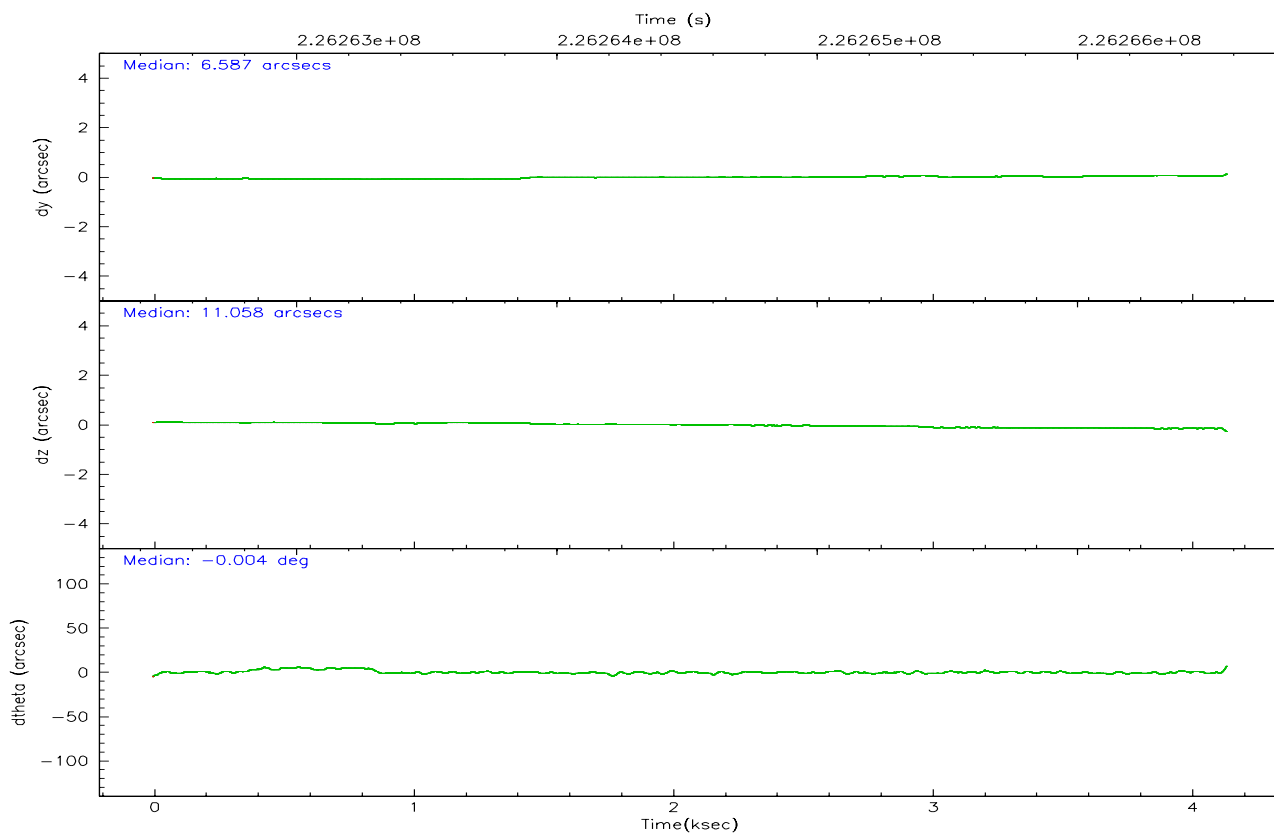
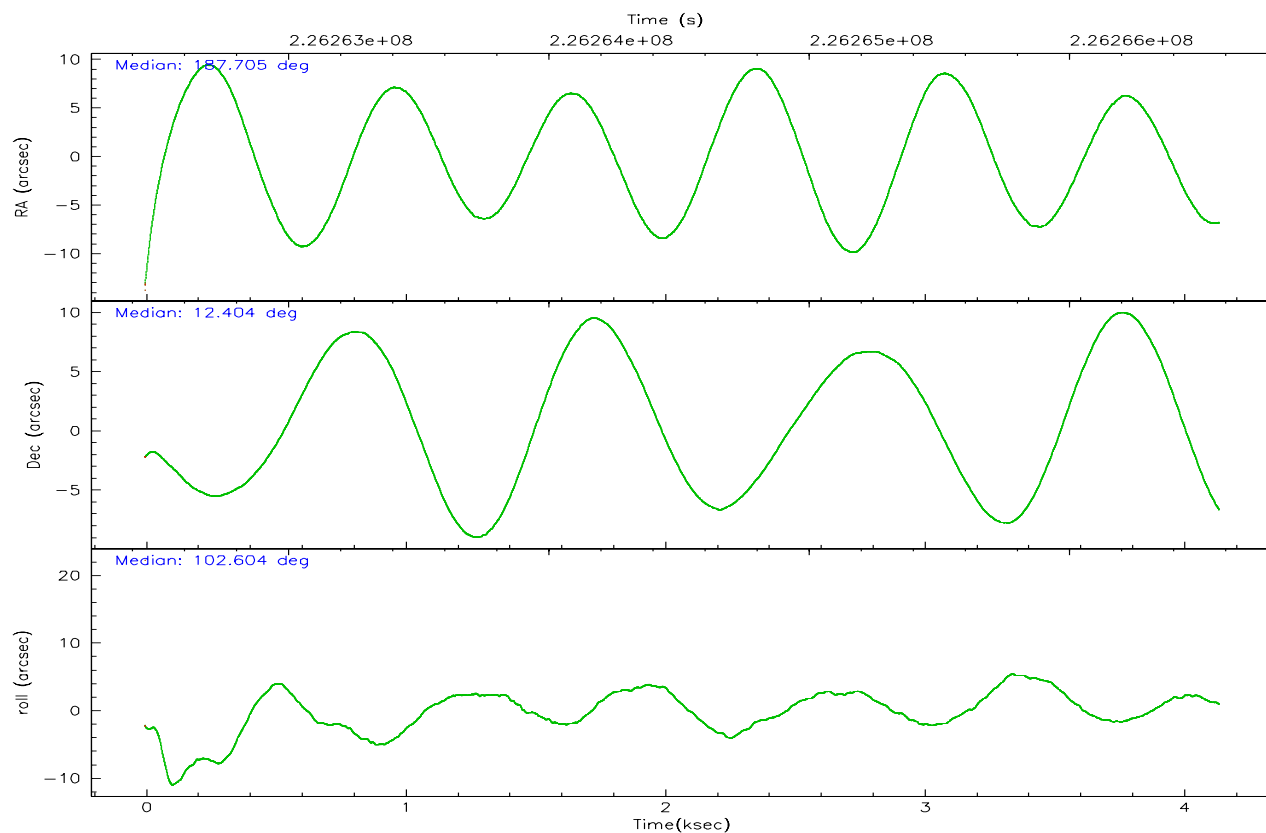
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	4672	6069	5773	7590
	19%	17%	15%	7%
grade 1 events	21	27	34	51
	0%	0%	0%	0%
grade 2 events	14480	23090	27487	80649
	60%	67%	71%	83%
grade 3 events	859	779	891	1036
	3%	2%	2%	1%
grade 4 events	824	780	838	915
	3%	2%	2%	0%
grade 5 events	1123	1134	1063	1445
	4%	3%	2%	1%
grade 6 events	1783	2384	2238	5167
	7%	6%	5%	5%
grade 7 events	6	1	0	0
	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	187.724333	187.7052705042422	Subarray requested	NONE	NONE
Pointing Dec	12.383731	12.40377539623099	Alternating exposures requested	N	N
Pointing Roll	102.396126	102.6089245111739	Primary exposure time	0.000000	0
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-231.592463	-231.5960967419932			
SIM translation stage offset (mm)	-2	-1.996356260936523			
Observation start time	226262581.184000	226262252.09068			
Observation start date	2005-03-03T18:41:57	2005-03-03T18:37:32			
Observation end time	226266581.184000	226266714.94088			
Observation end date	2005-03-03T19:48:37	2005-03-03T19:51:54			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



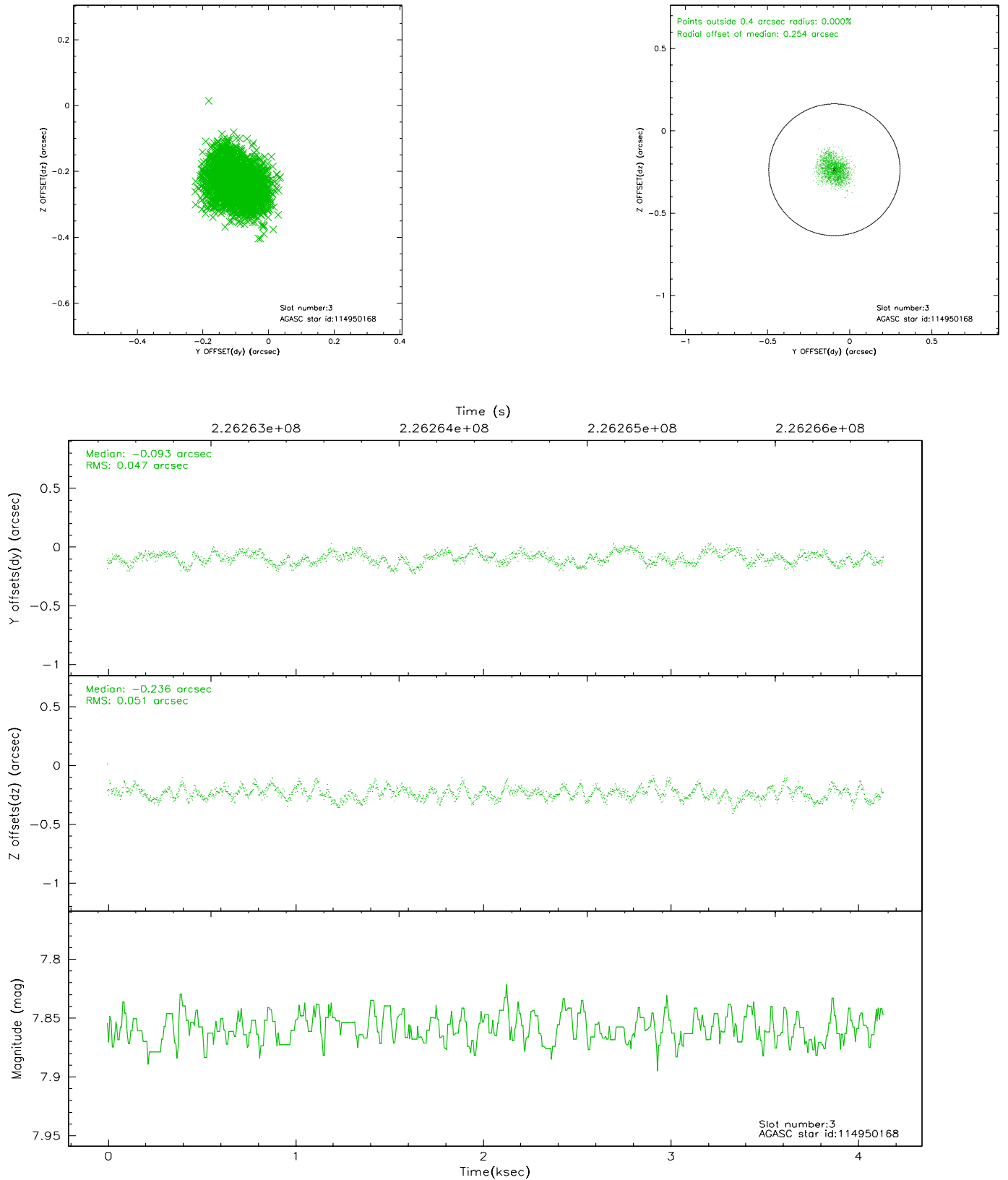


Slot Statistics

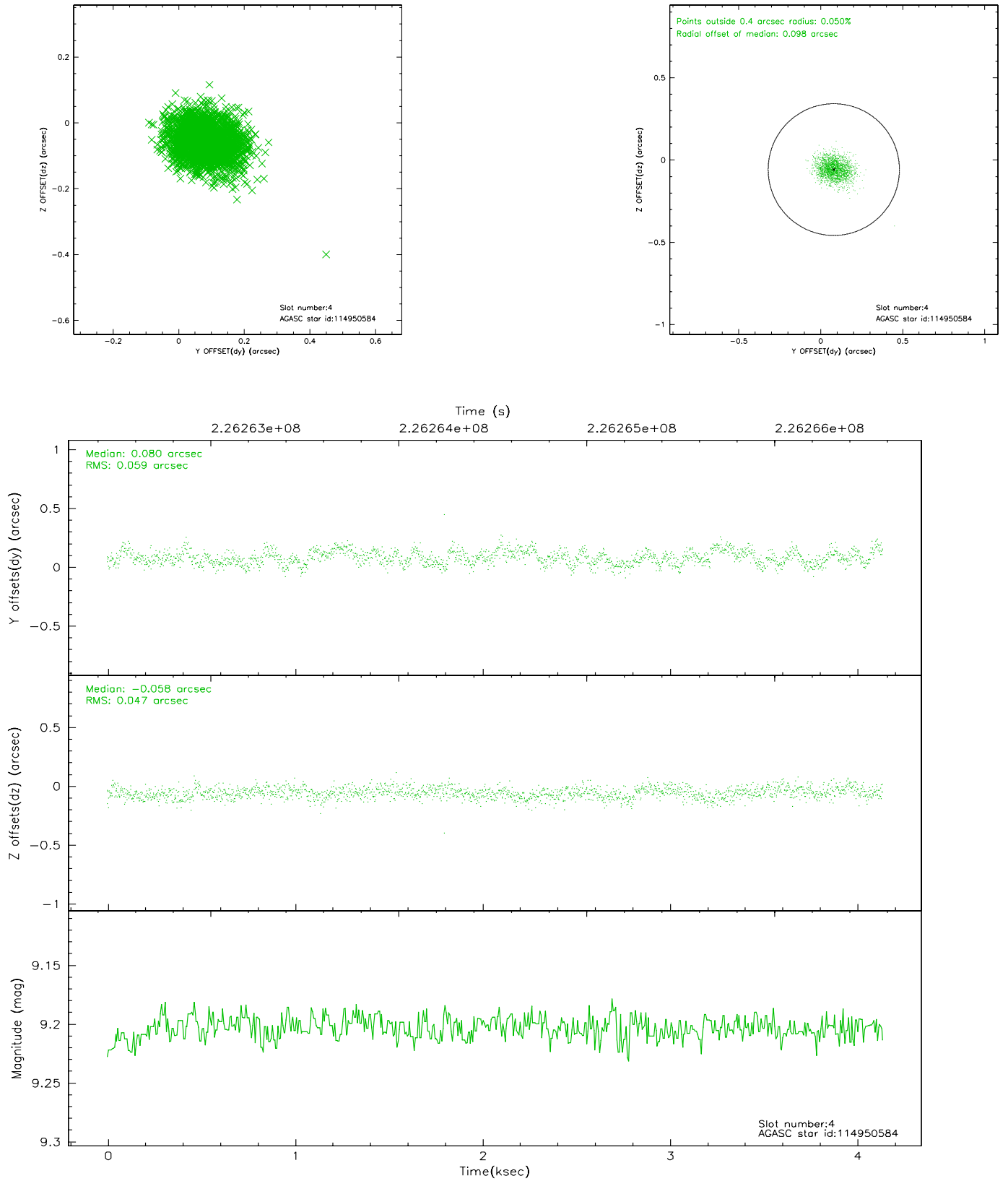
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1010	-0.048	-0.035	0.011	0.034	0.000000	0.000000	933.06	-875.46
1	FID	ACIS-I-2	7.15	1010	-0.106	-0.015	0.007	0.012	0.000000	0.000000	-760.36	-882.45
2	FID	ACIS-I-4	7.16	1008	0.057	0.117	0.007	0.025	0.000000	0.000000	2152.20	1023.98
3	GUIDE	114950168	7.86	2019	-0.093	-0.236	0.076	0.117	187.143398	12.117441	-495.56	2202.44
4	GUIDE	114950584	9.20	2020	0.080	-0.058	0.081	0.129	187.487323	11.827248	-1777.25	1247.01
5	GUIDE	114955056	8.34	2020	0.073	0.377	0.074	0.116	187.914001	12.127854	-1043.45	-453.06
6	GUIDE	114956608	9.65	2017	0.066	0.055	0.130	0.197	187.452443	11.725979	-2107.15	1444.68
7	GUIDE	114952792	9.51	2015	-0.124	-0.135	0.112	0.180	187.070263	12.344747	358.00	2277.52

2.4 Star Slots

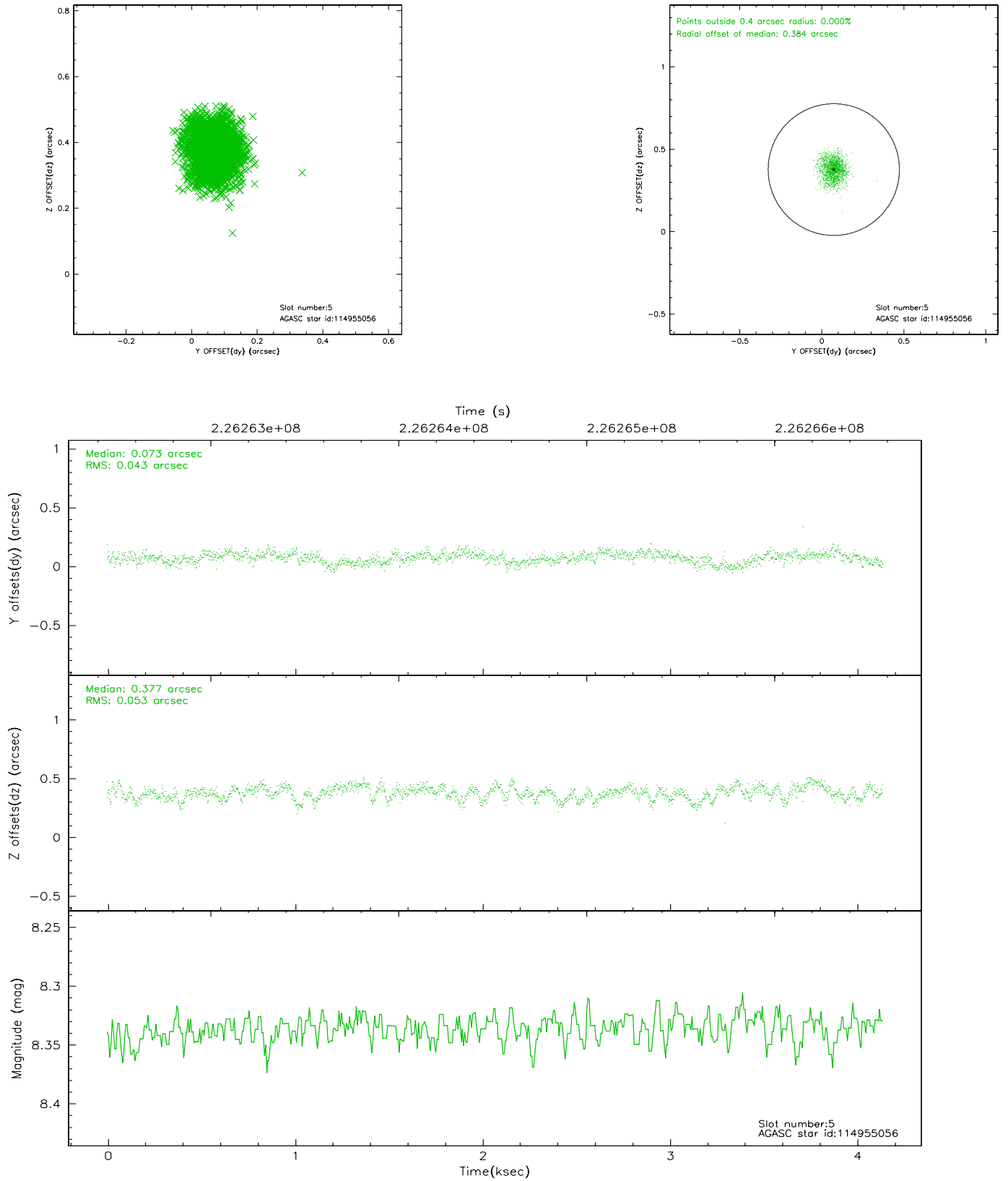
2.4.1 Slot 3



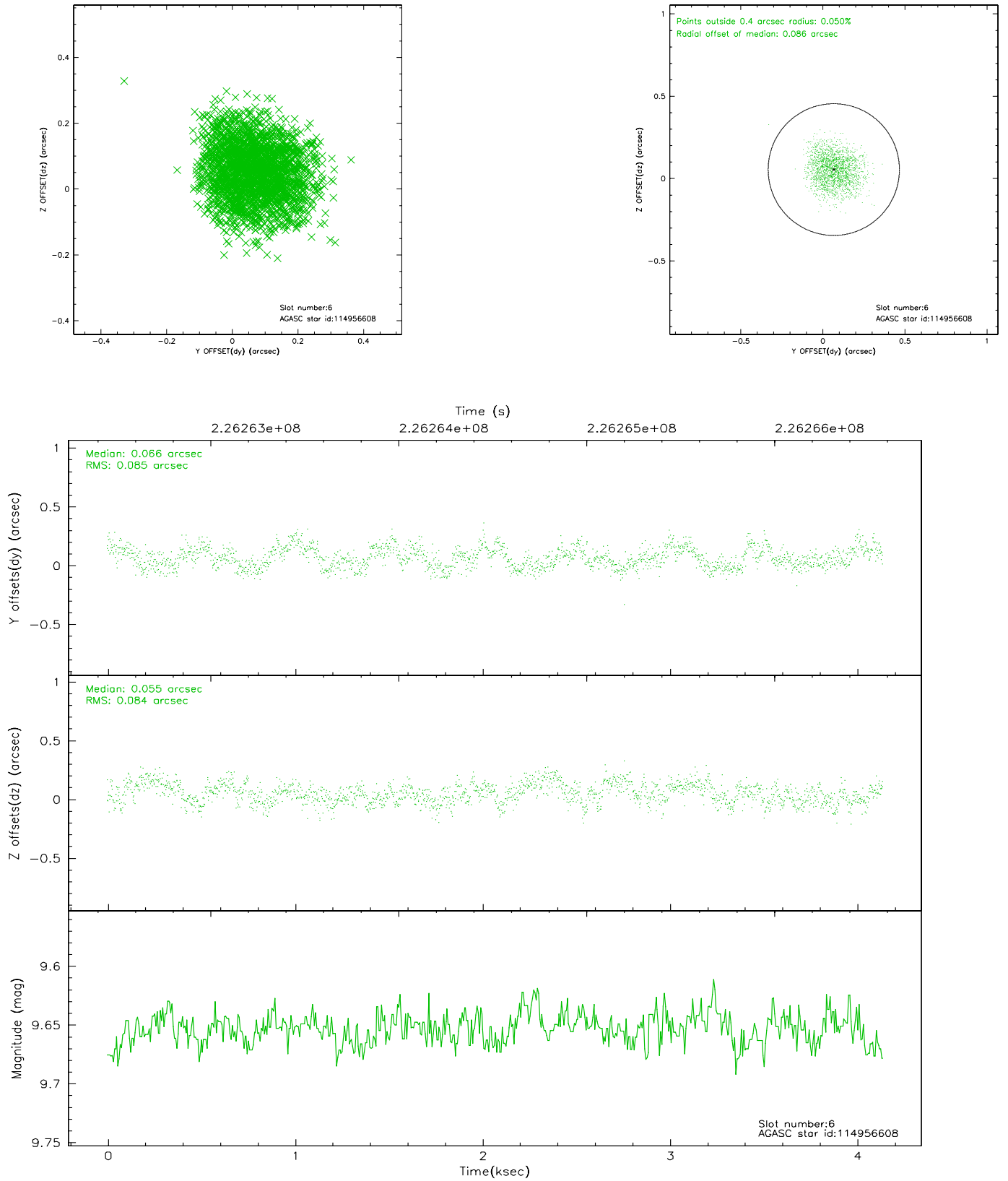
2.4.2 Slot 4



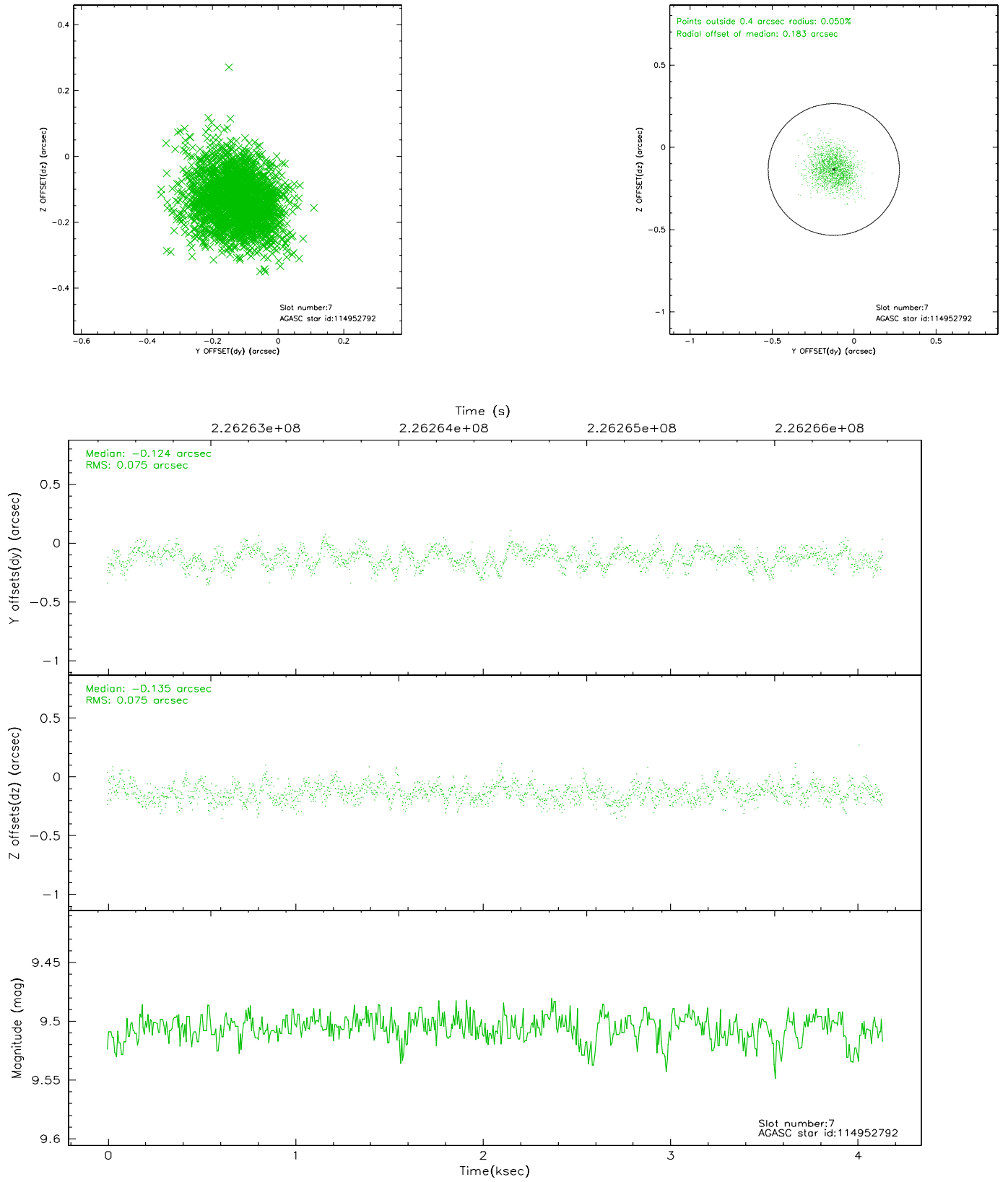
2.4.3 Slot 5



2.4.4 Slot 6

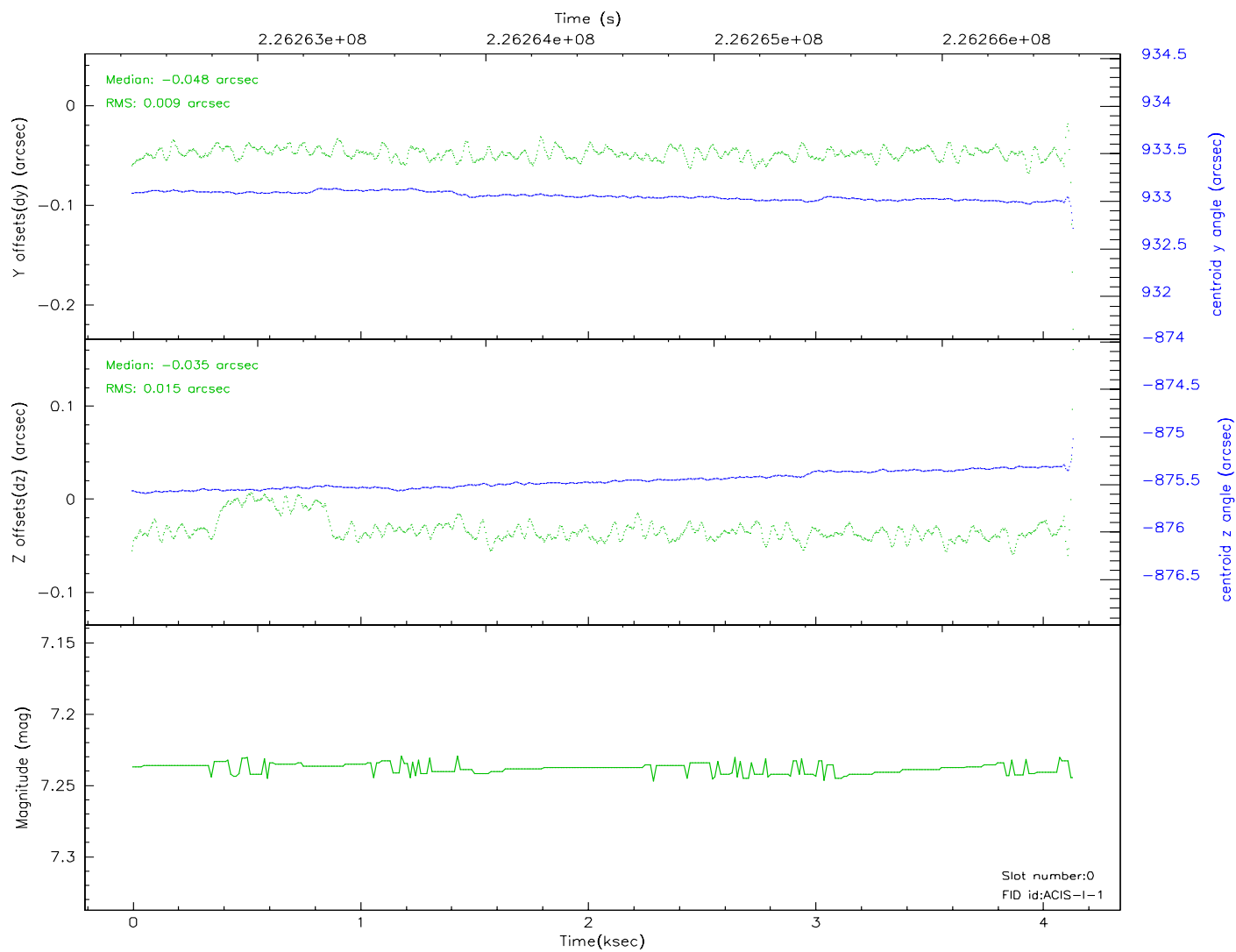
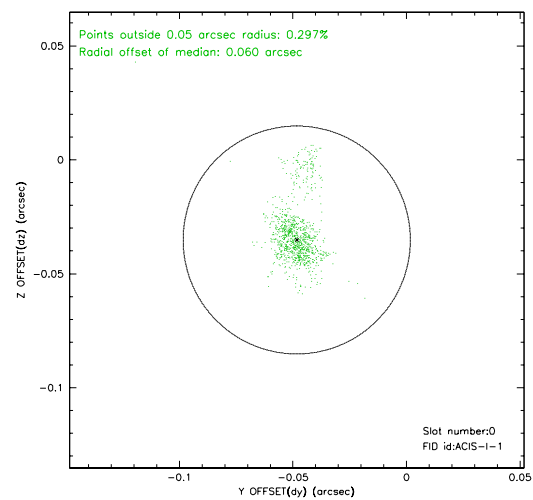
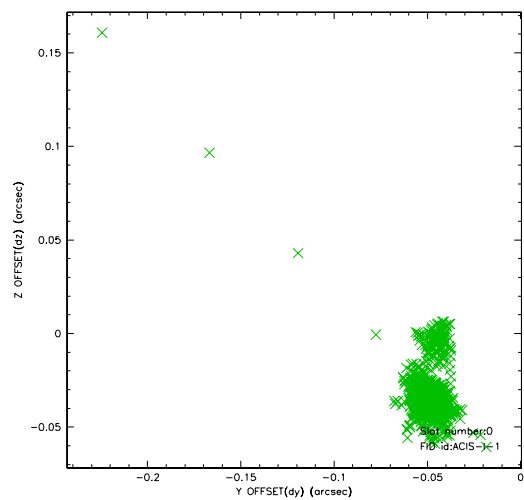


2.4.5 Slot 7

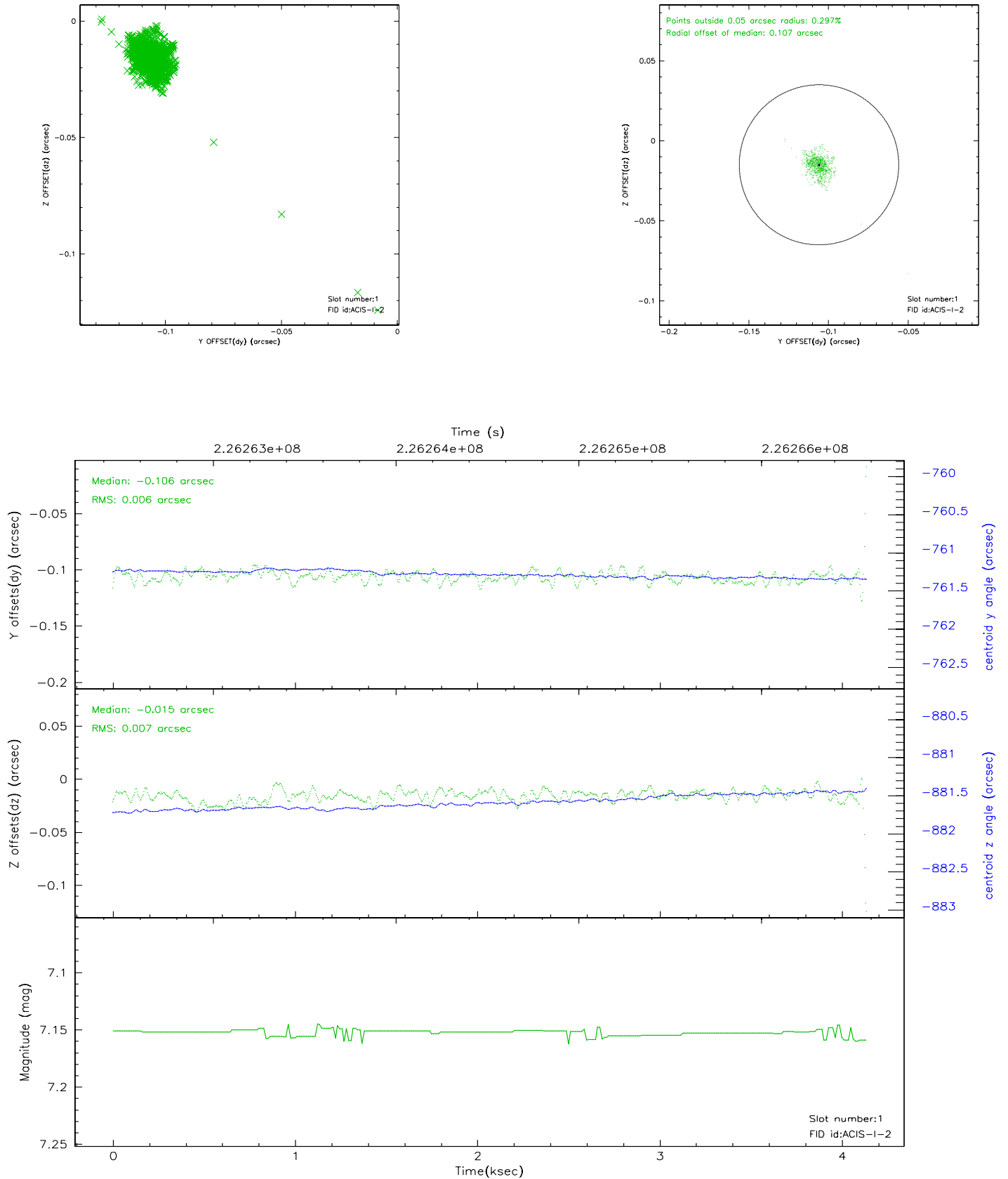


2.5 FID Slots

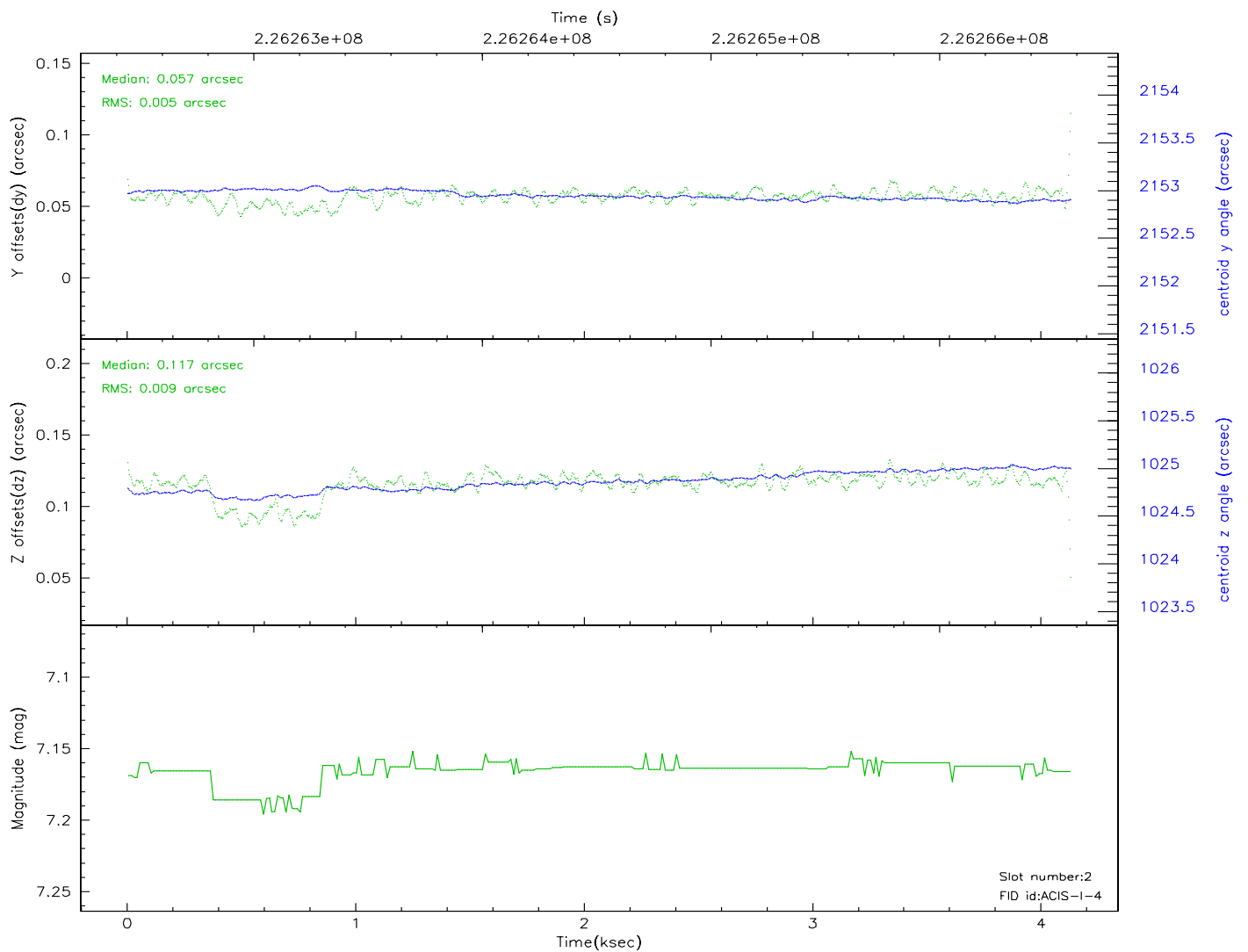
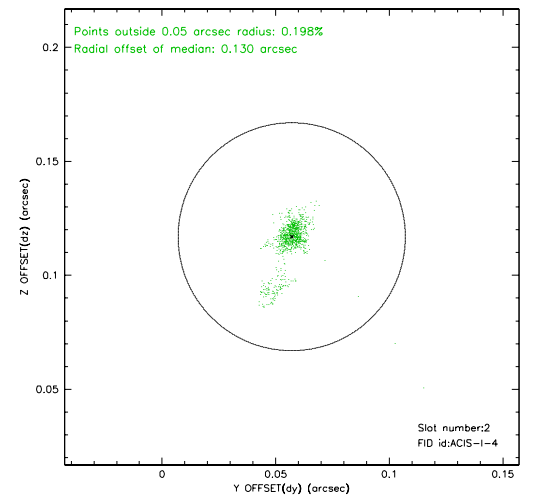
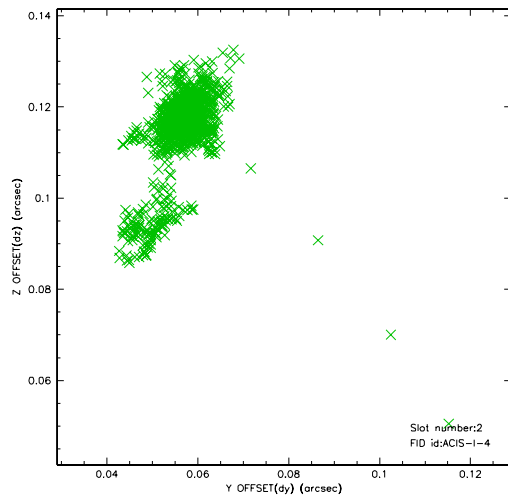
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.136

A.2 Comments

Charge time:

Charge time for this ObsId remains at previous value of 4.136 ks.