

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 4395 - L2 Version 001
Chandra X-Ray Center

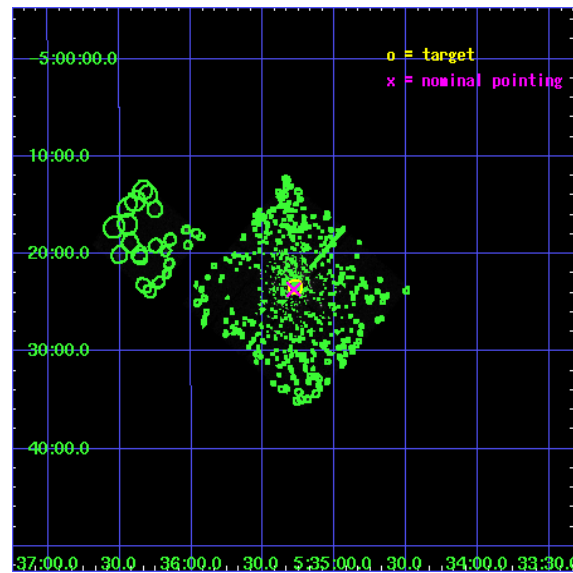
L2 Processing Date : Oct 19 2006

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1 Front

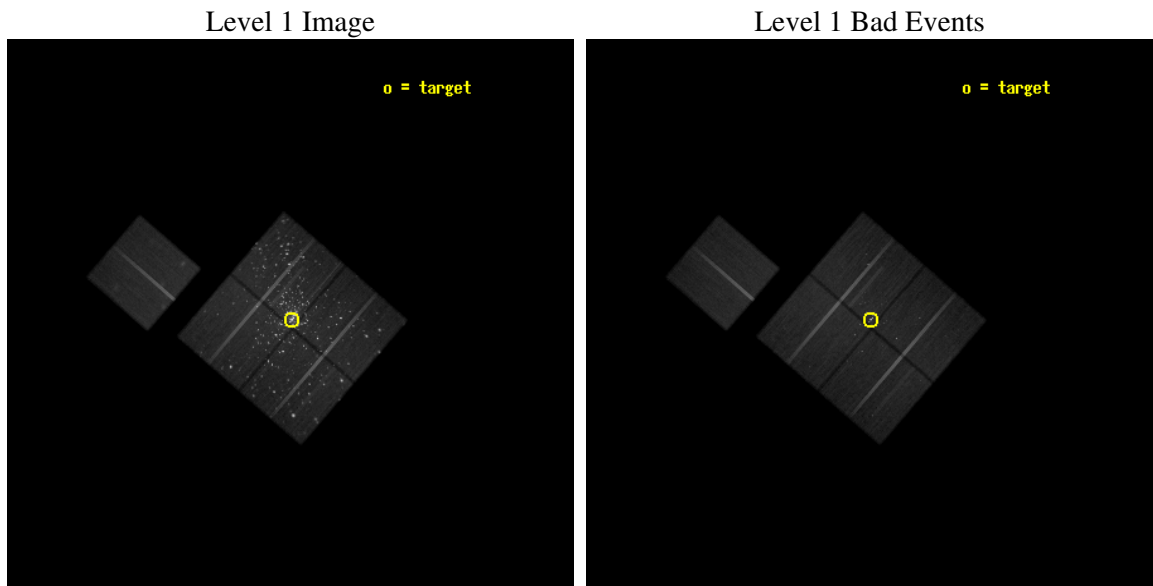
seq_num	200214
obs_id	4395
title	AN ULTRADEEP CHANDRA STUDY OF THE ORION NEBULA (GUEST OBSERVER PORTION)
observer	Prof. Eric Feigelson
object	ORION NEBULA CLUSTER
dtcycle	0
cycle	P
ra_targ	83.819583
dec_targ	-5.39
ra_nom	83.821005164359
dec_nom	-5.3943997973025
roll_nom	310.90882474252
revision	2
ontime	101273.73589438
livetime	99950.519978282
ontime0	101276.87684464
ontime1	101270.59492415
ontime2	101276.87684473
ontime3	101273.73589438
ontime6	101267.45391399
l2events	941500



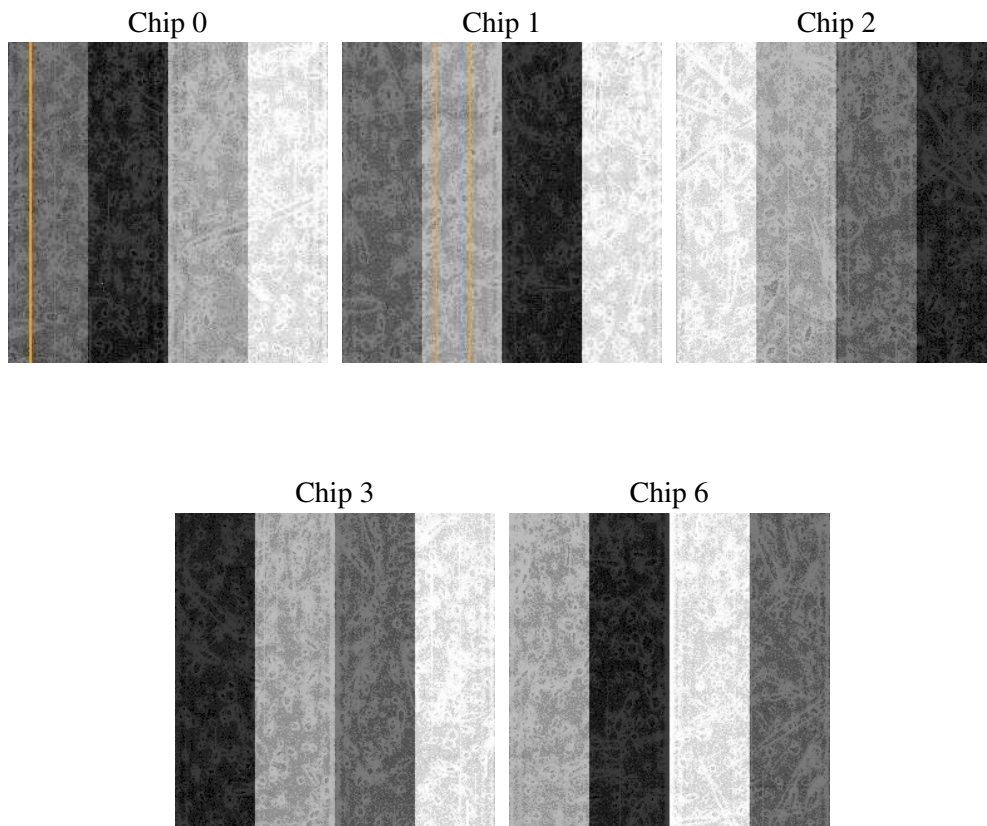
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-19T04:16:15
revision	2

sched_exp_time	101167.001000
ontime	101278.62106517
ontime0	101281.76201543
ontime1	101275.48009494
ontime2	101281.76201552
ontime3	101278.62106517
ontime6	101272.33908477
l1events	3386915

2.1.4 Events

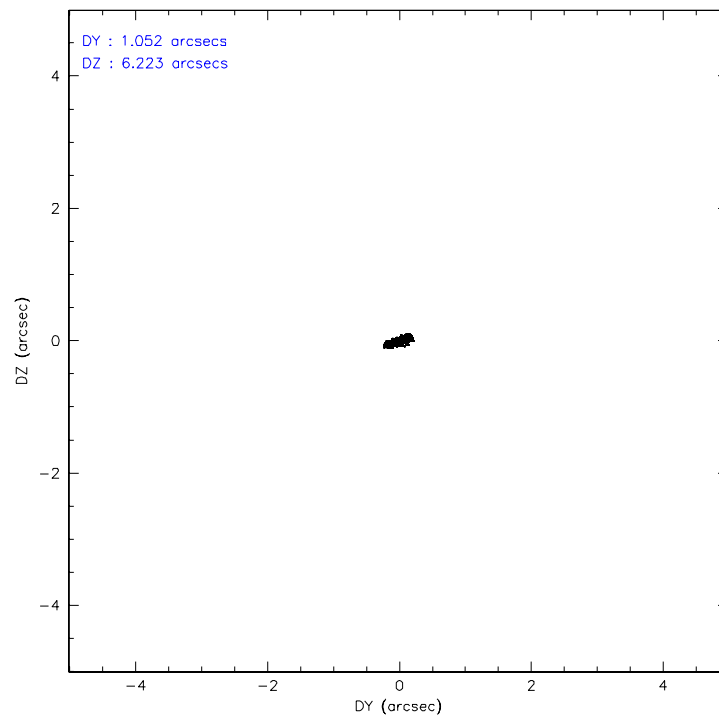
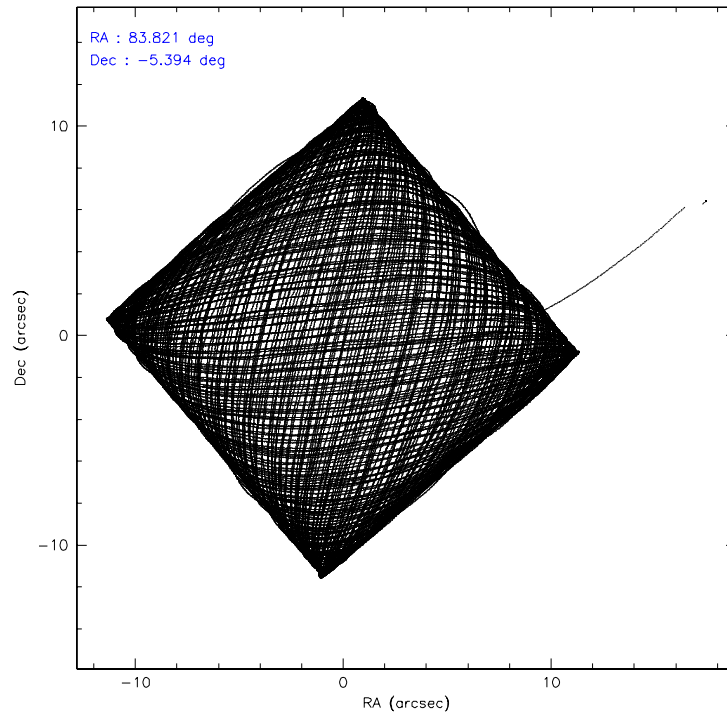
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	614486	613383	660443	972800	525803
rejected events	436340	439017	508059	516169	468396
rejected %	71%	71%	76%	53%	89%

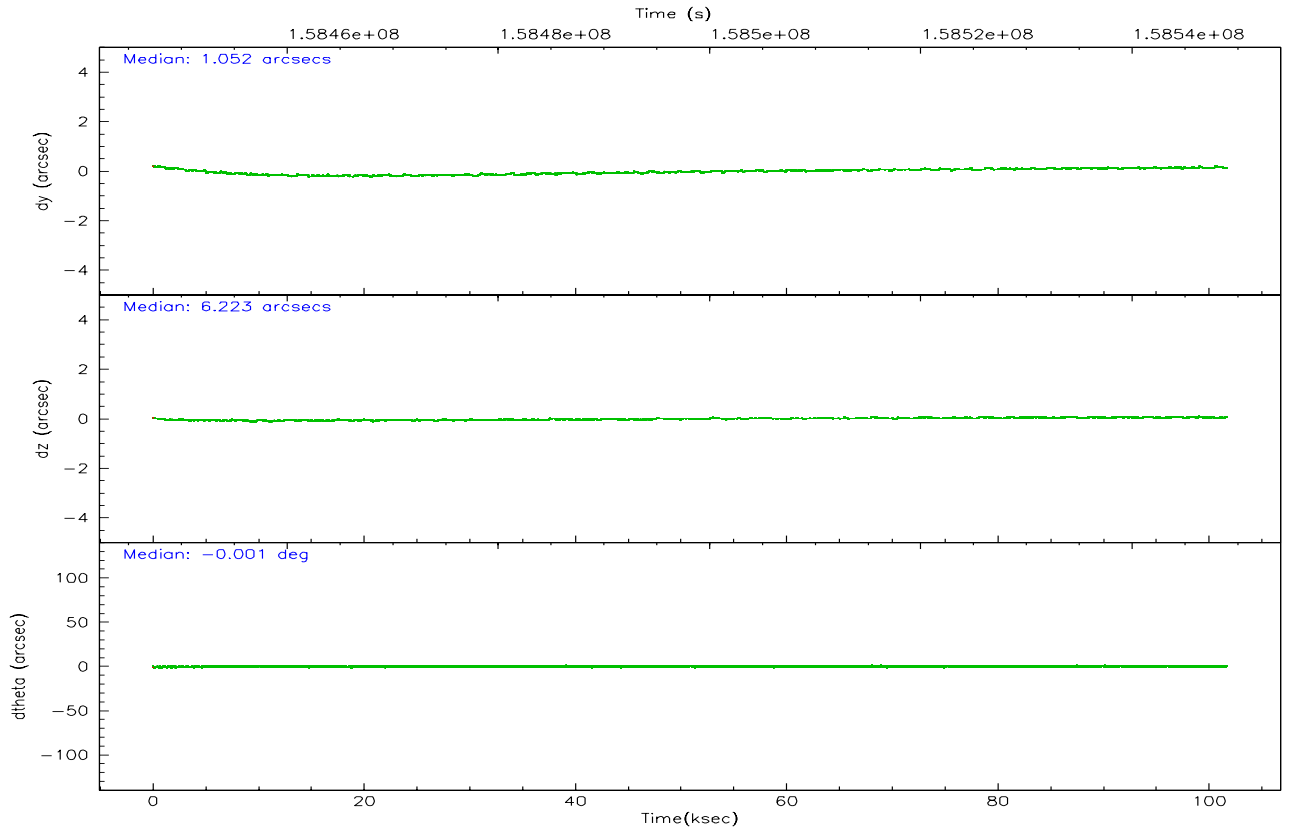
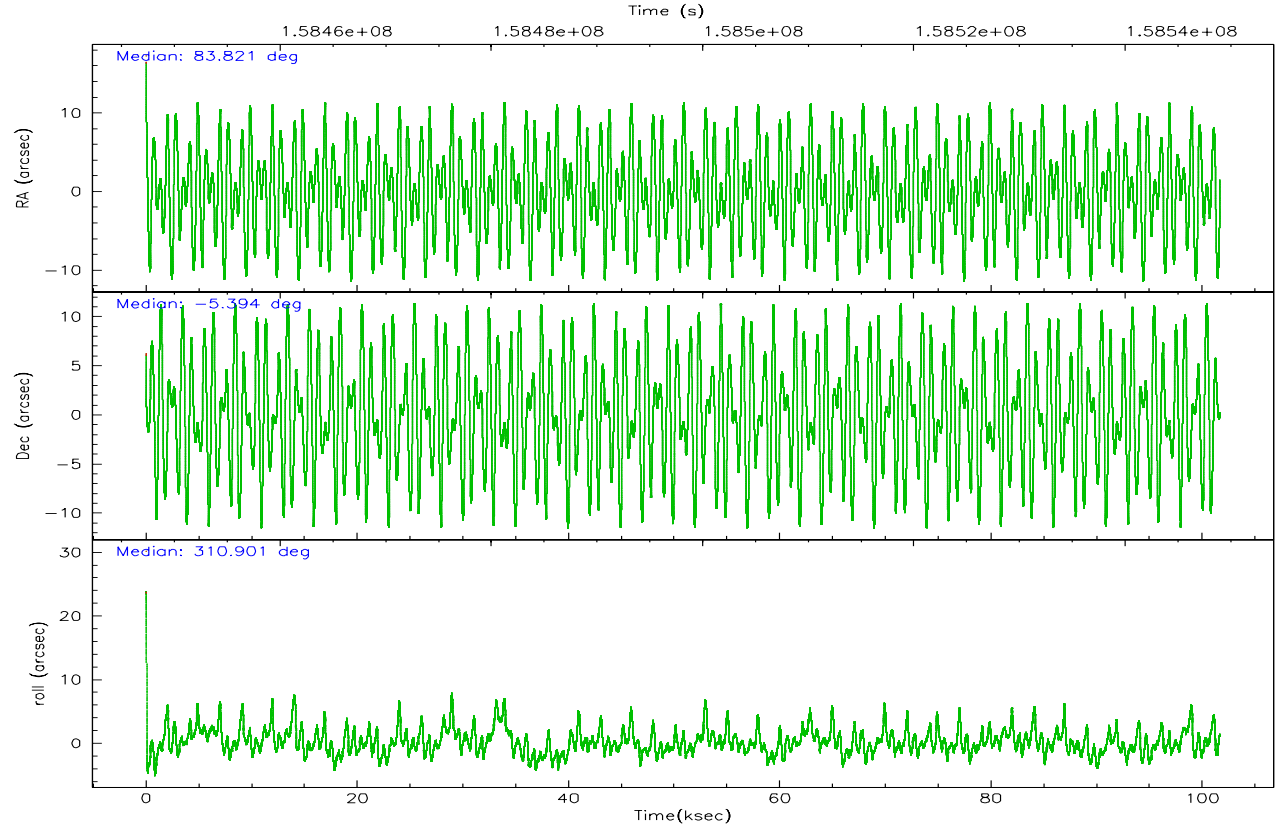
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	122184	117134	103374	328402	24744
	19%	19%	15%	33%	4%
grade 1 events	1349	1993	1642	14368	226
	0%	0%	0%	1%	0%
grade 2 events	24237	23530	21359	58059	10974
	3%	3%	3%	5%	2%
grade 3 events	9904	10302	8480	22063	5926
	1%	1%	1%	2%	1%
grade 4 events	9594	10108	8818	21936	5818
	1%	1%	1%	2%	1%
grade 5 events	15123	17160	14193	29517	16160
	2%	2%	2%	3%	3%
grade 6 events	12235	13298	10358	26185	9947
	1%	2%	1%	2%	1%
grade 7 events	419860	419858	492219	472270	452008
	68%	68%	74%	48%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	83.794989	83.82100516435915	Subarray requested	NONE	NONE
Pointing Dec	-5.385556	-5.394399797302519	Alternating exposures requested	N	N
Pointing Roll	310.697693	310.9088247425233	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	158447840.184000	158446699.84572			
Observation start date	2003-01-08T21:16:16	2003-01-08T20:58:19			
Observation end time	158549007.184000	158549321.31251			
Observation end date	2003-01-10T01:22:23	2003-01-10T01:28:41			
Read mode	TIMED	TIMED			

2.3 Aspect



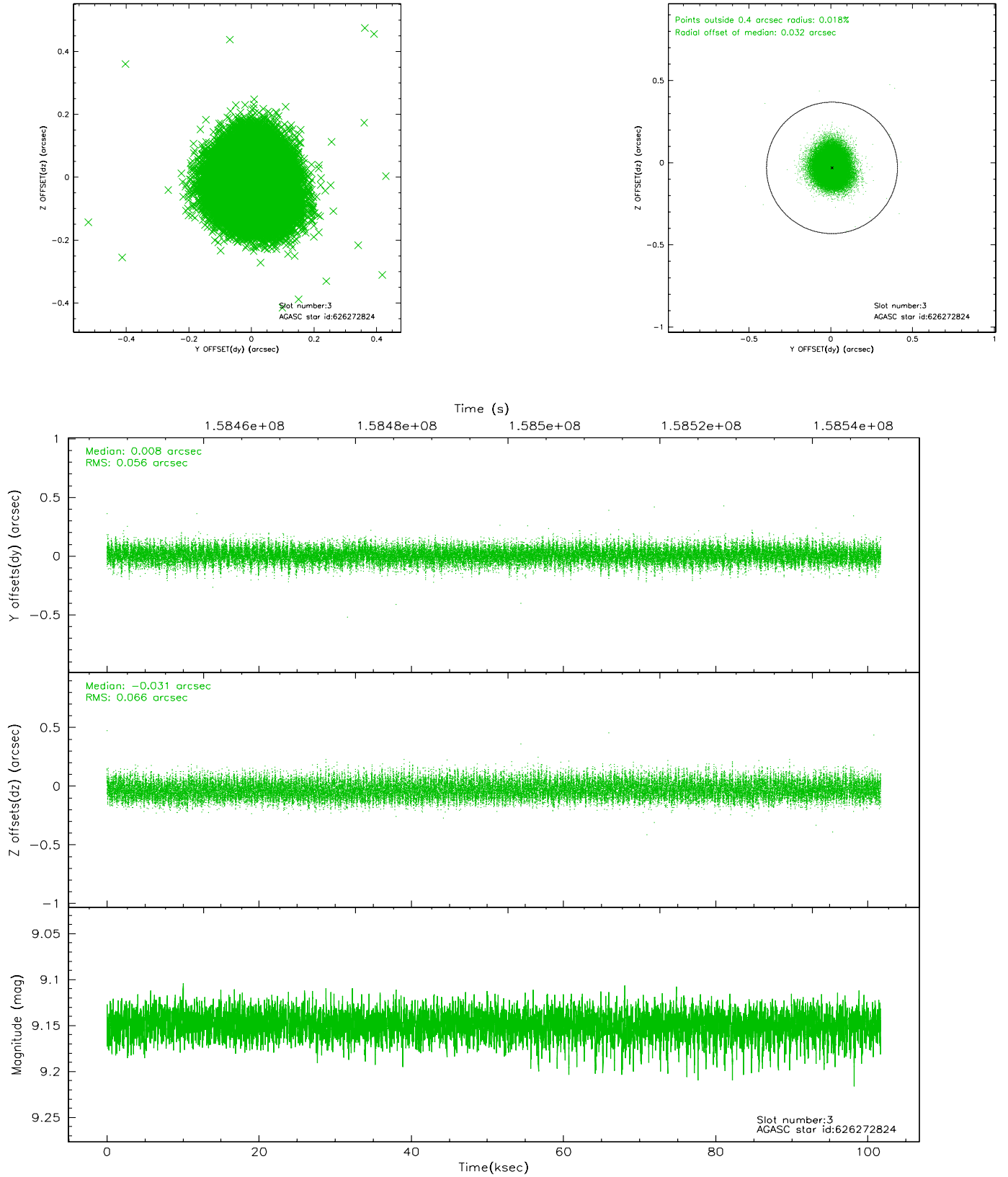


Slot Statistics

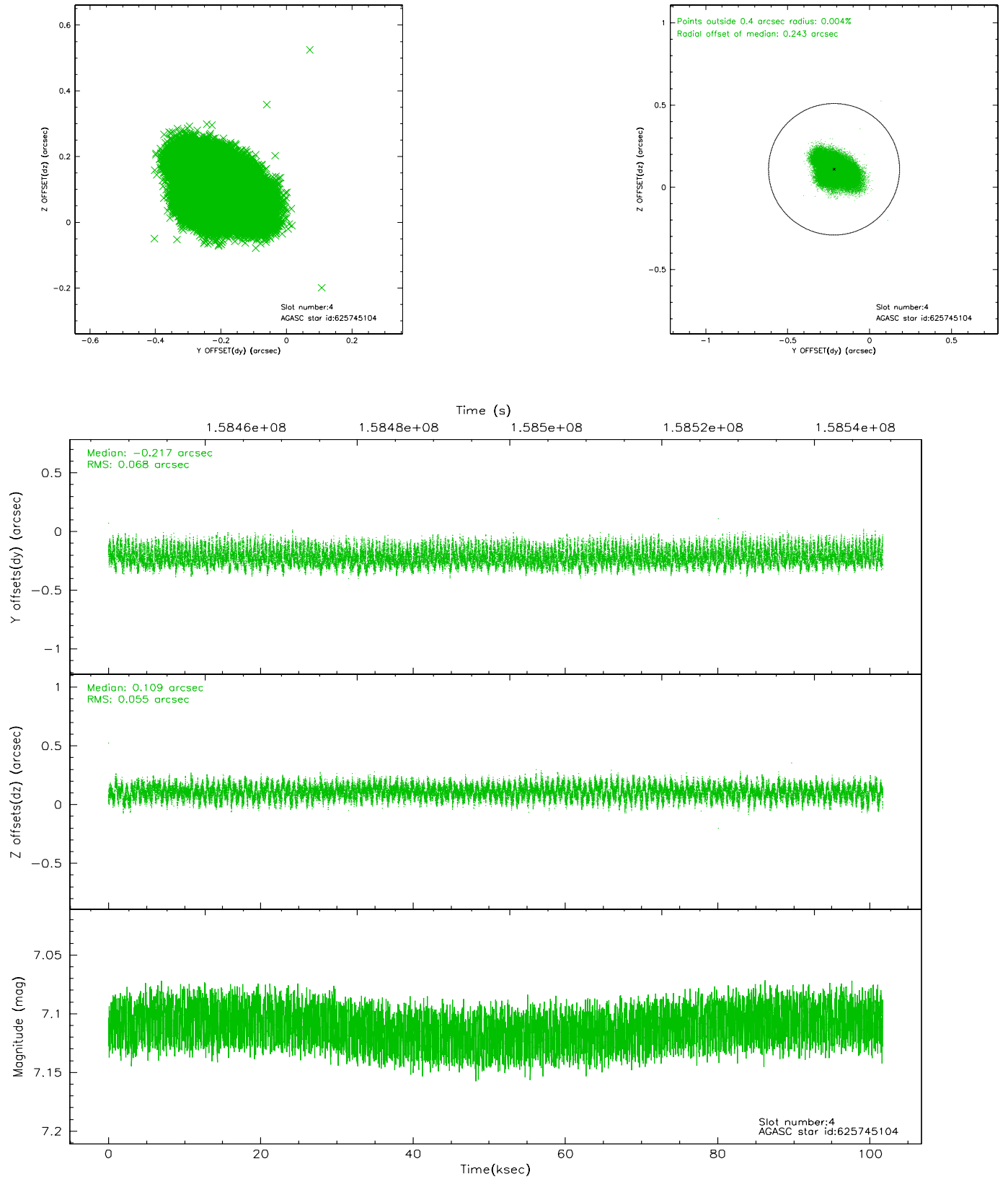
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	24804	-0.013	0.023	0.006	0.011	0.000000	0.000000	938.78	-829.59
1	FID	ACIS-I-5	7.24	24801	-0.059	0.035	0.006	0.011	0.000000	0.000000	-1809.39	1068.01
2	FID	ACIS-I-6	7.26	24802	-0.018	0.012	0.007	0.011	0.000000	0.000000	404.46	1712.35
3	GUIDE	626272824	9.15	49477	0.008	-0.031	0.093	0.148	83.942139	-6.012794	2056.11	-1072.64
4	GUIDE	625745104	7.11	49608	-0.217	0.109	0.094	0.151	83.841109	-4.494168	-2325.24	2218.07
5	GUIDE	625745272	9.21	49389	-0.029	0.102	0.113	0.192	83.734325	-4.765942	-1833.02	1289.67
6	GUIDE	626273032	9.20	49584	0.066	-0.086	0.122	0.211	83.765167	-5.983575	1563.19	-1484.40
7	GUIDE	626272904	9.80	49493	0.174	-0.086	0.144	0.225	83.894968	-6.083561	2139.27	-1366.81

2.4 Star Slots

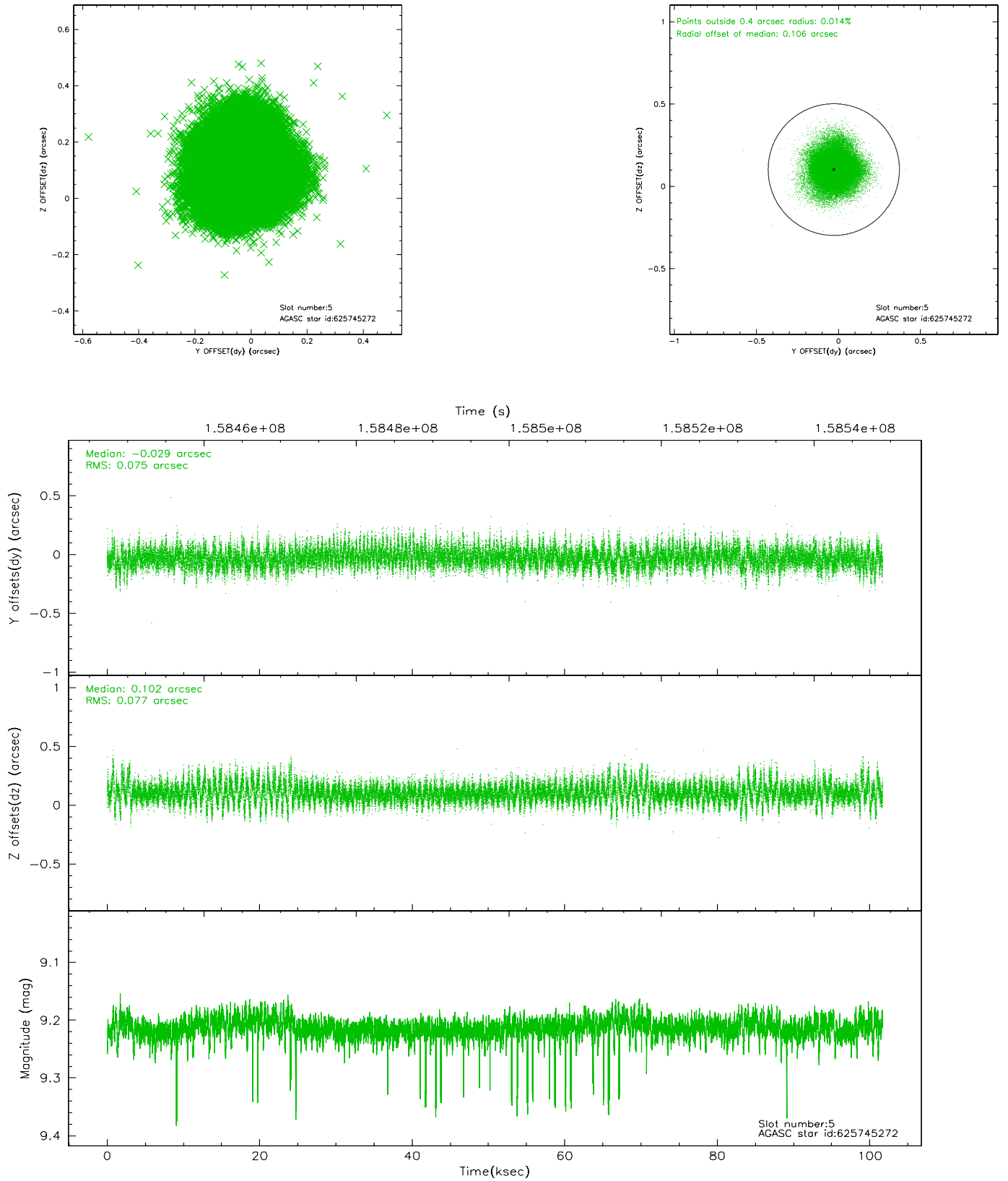
2.4.1 Slot 3



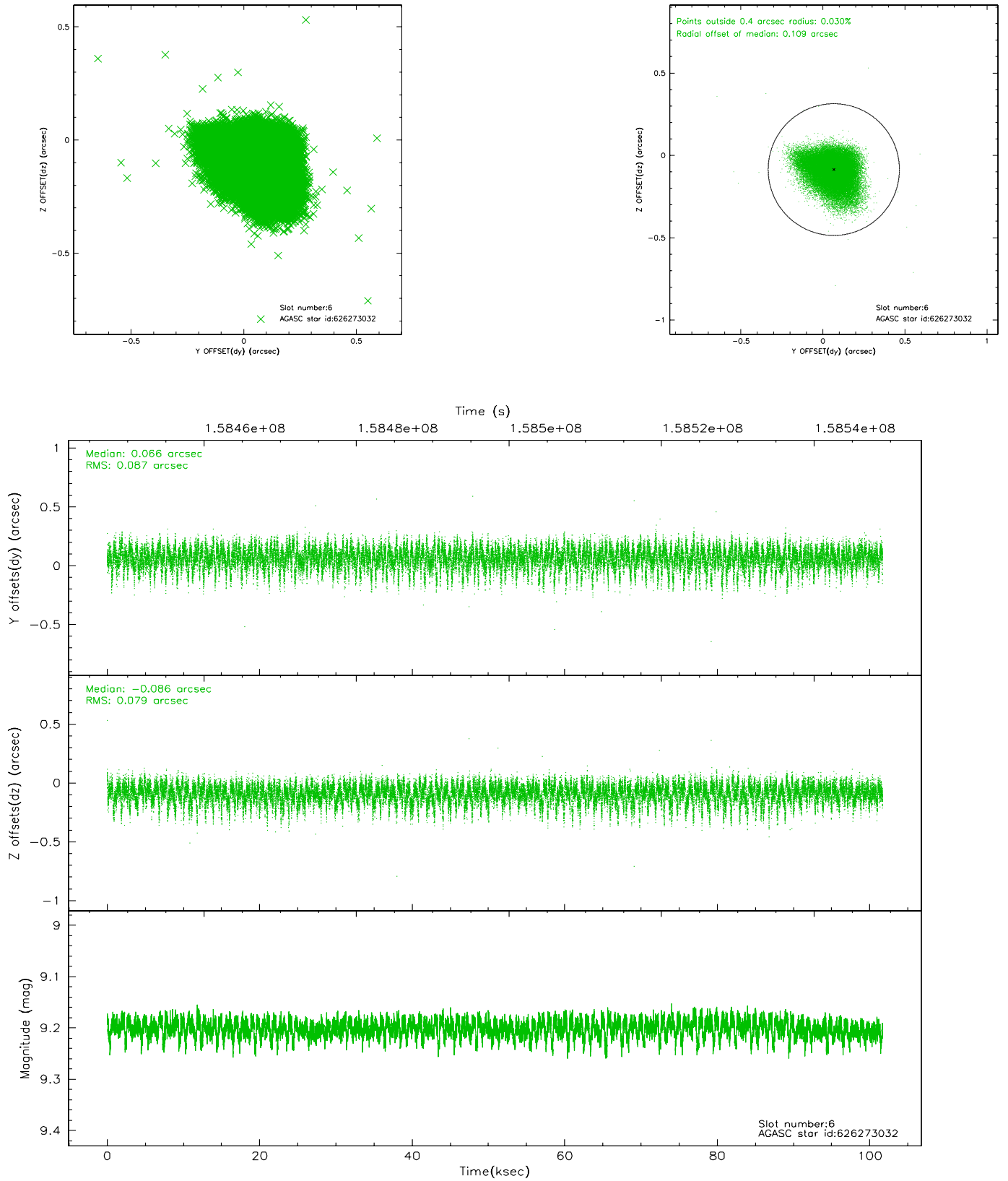
2.4.2 Slot 4



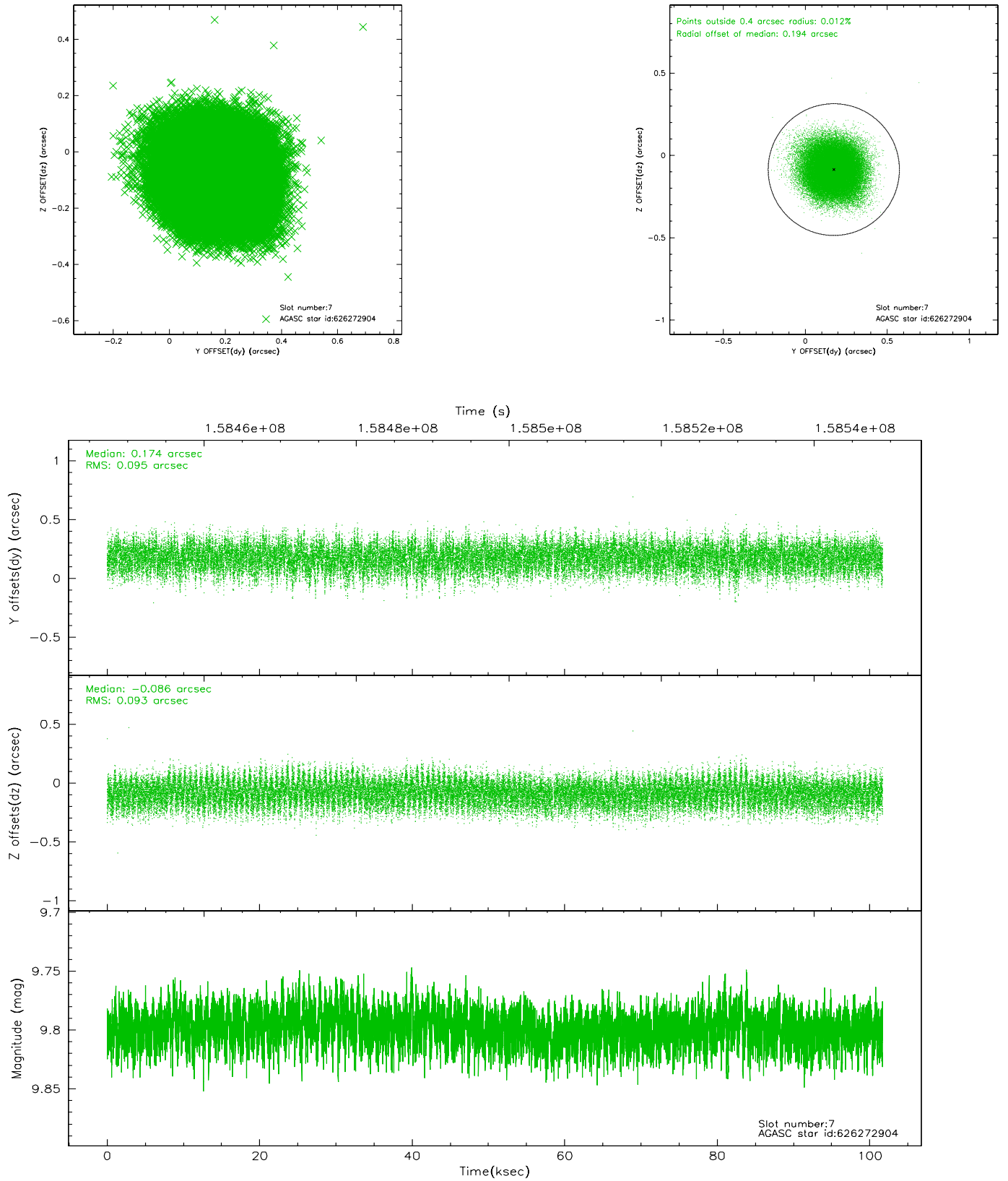
2.4.3 Slot 5



2.4.4 Slot 6

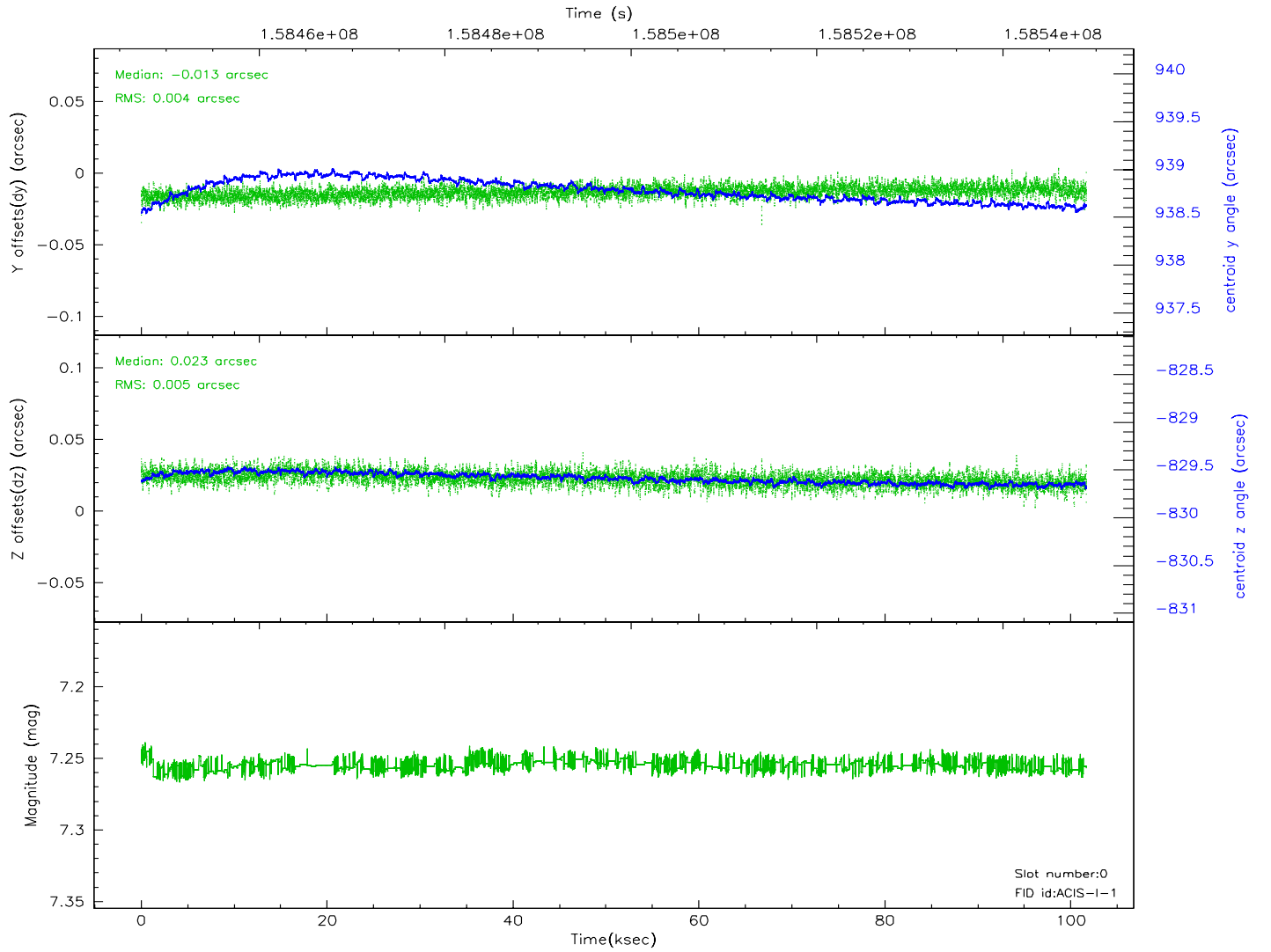
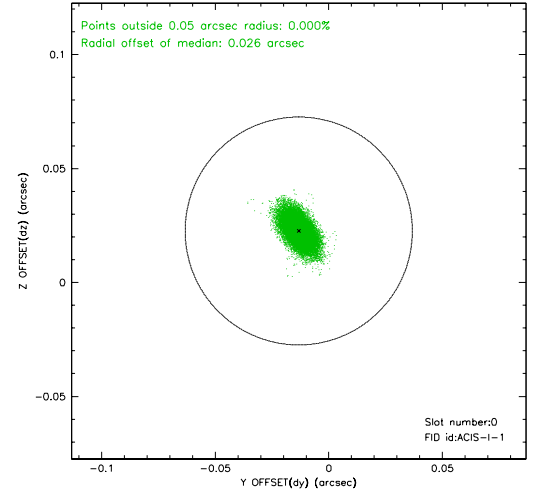
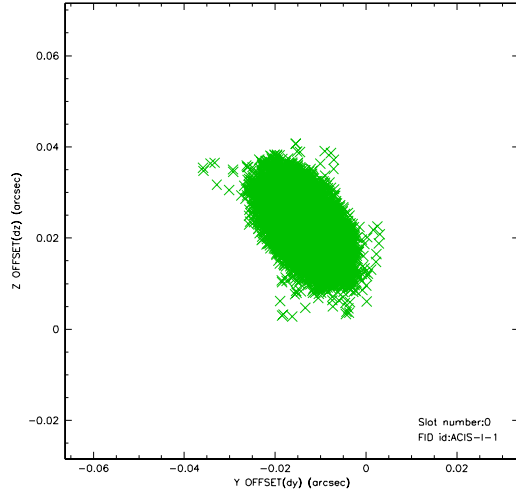


2.4.5 Slot 7

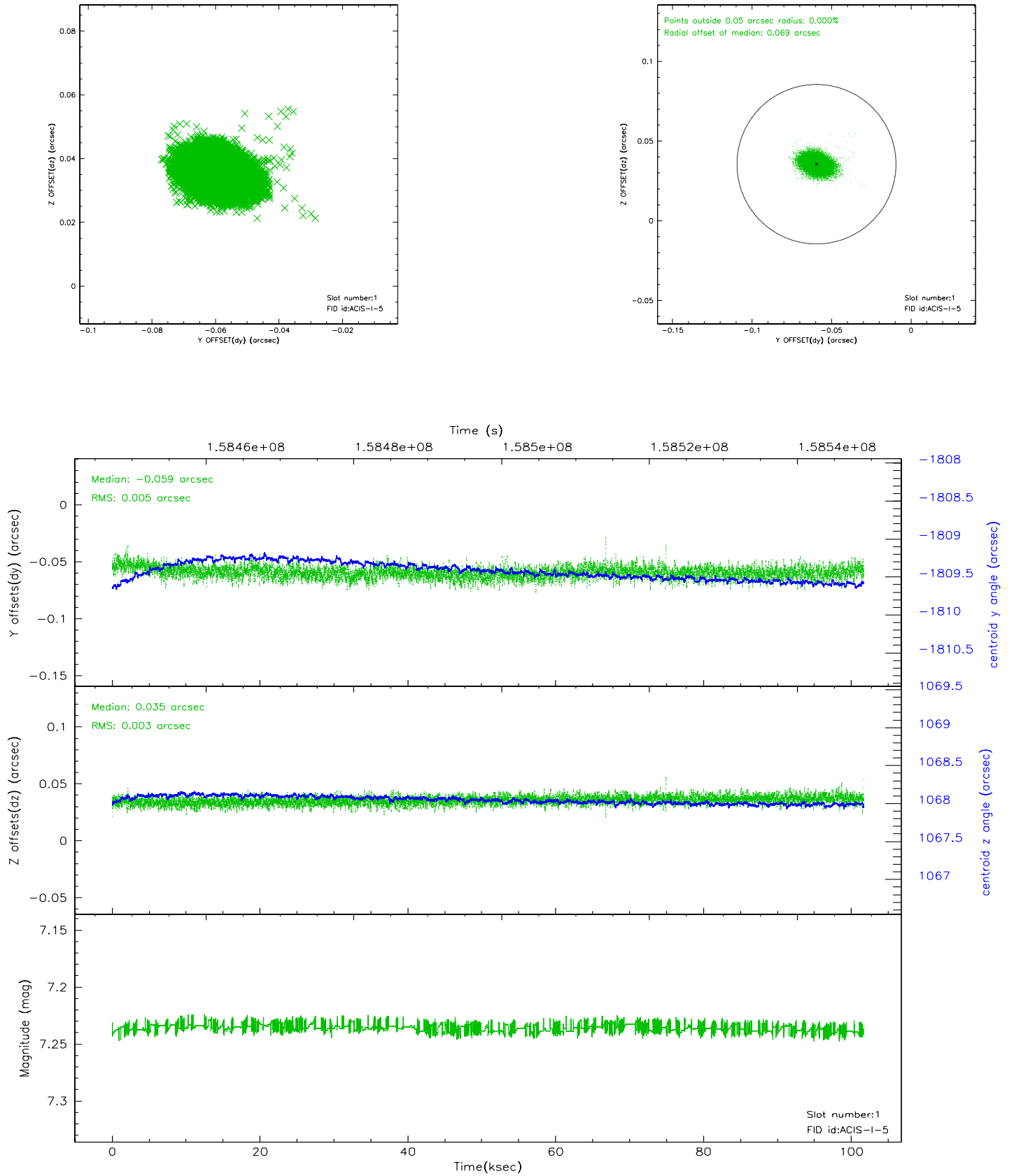


2.5 FID Slots

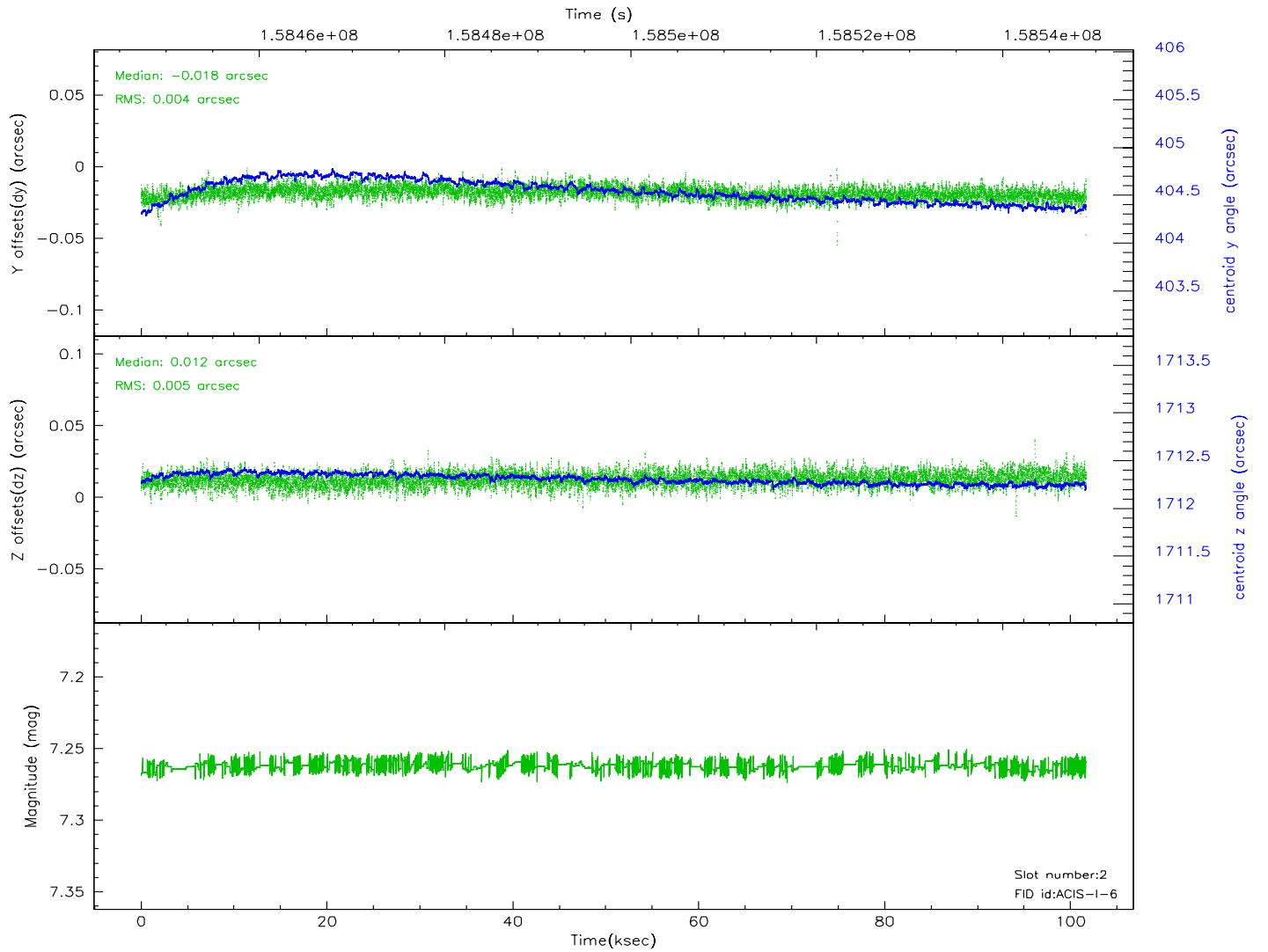
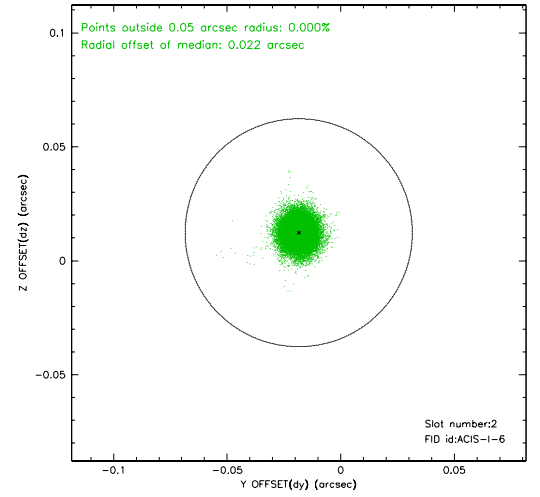
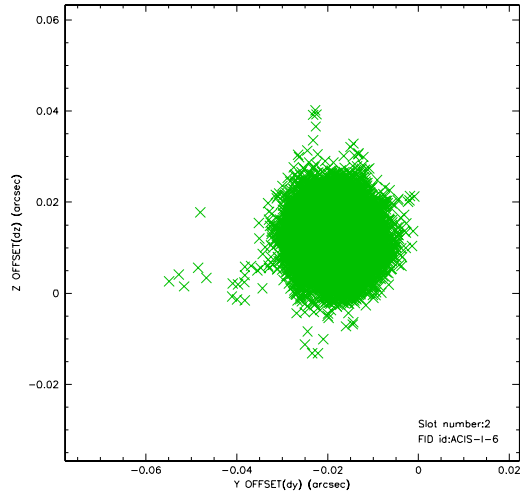
2.5.1 Slot 0



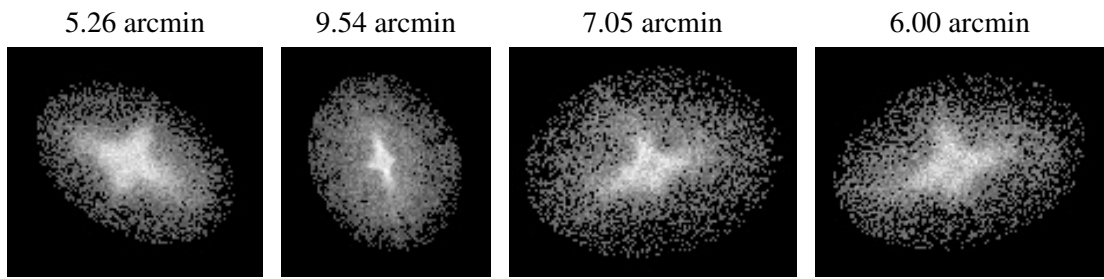
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	101.273

A.2 Comments