

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2574 - L2 Version 001
Chandra X-Ray Center

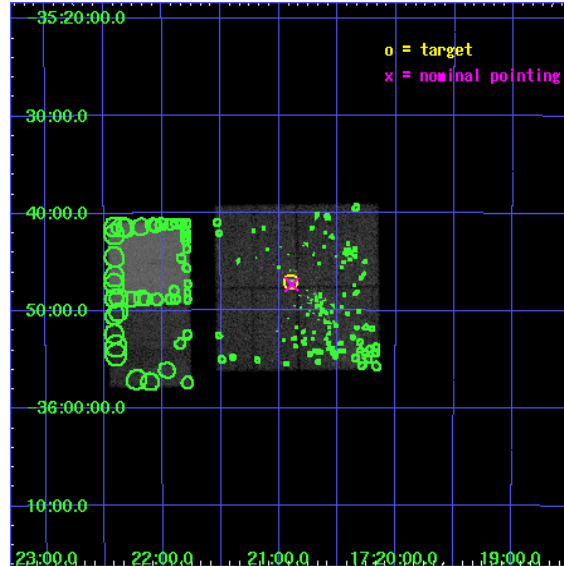
L2 Processing Date : Oct 2 2006

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1 Front

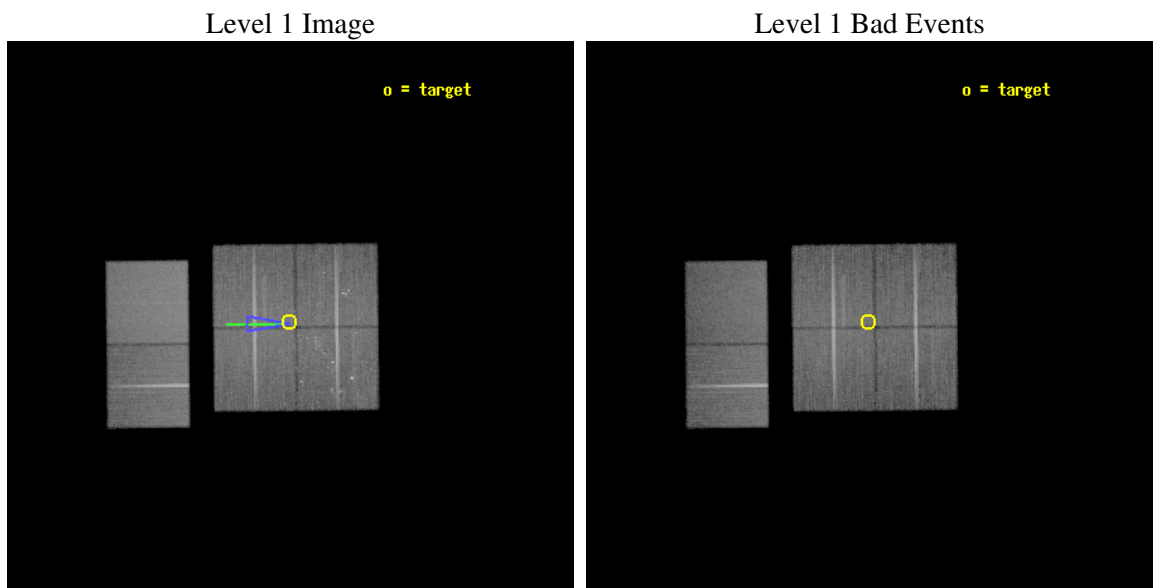
seq_num	200182
obs_id	2574
title	TRACING THE CHRONICLE OF MASSIVE YOUNG STARS IN A GIANT MOLECULAR CLOUD NGC 6334
observer	Dr Yuichiro Ezoe
object	NGC 6334 REGION 1
dtcycle	0
cycle	P
ra_targ	260.225
dec_targ	-35.784444
ra_nom	260.22270144307
dec_nom	-35.788703952707
roll_nom	269.37198758621
revision	2
ontime	40156.799850404
livetime	39648.310271177
ontime0	40156.799850404
ontime1	40156.799850404
ontime2	40156.799850404
ontime3	40156.799850404
ontime6	40156.799850404
ontime7	40156.799850404
l2events	278231



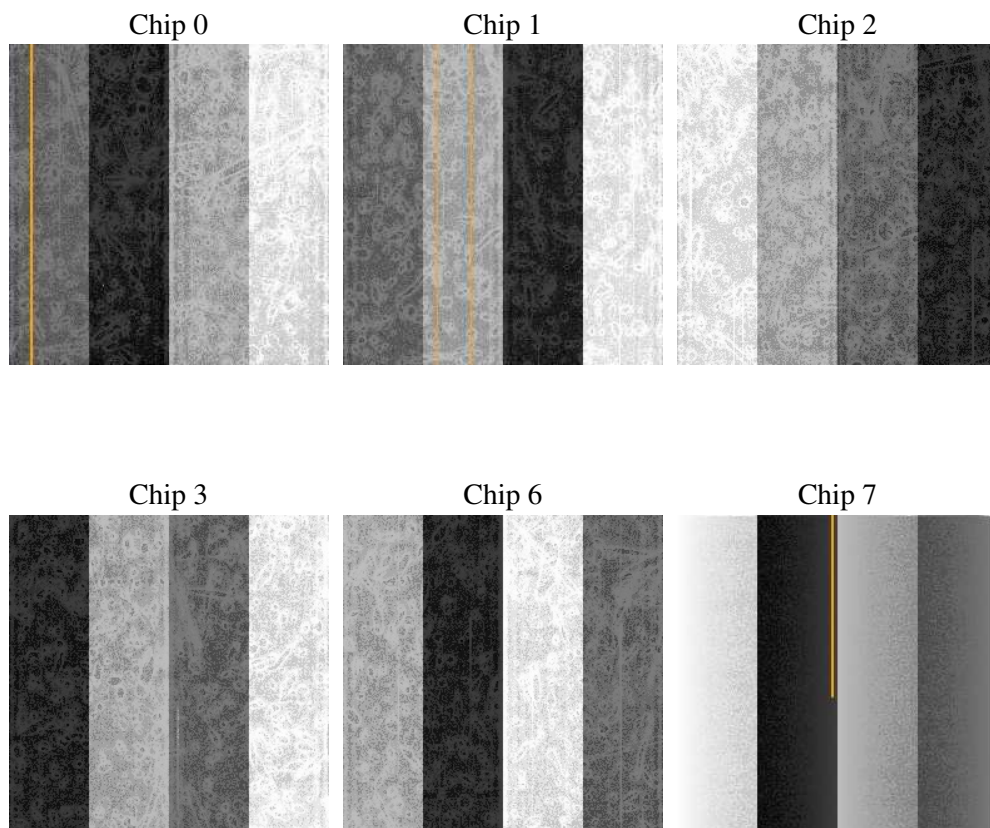
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-02T20:11:42
revision	2

sched_exp_time	40000.000000
ontime	40969.492370844
ontime0	40969.492370844
ontime1	40969.492370844
ontime2	40969.492370844
ontime3	40969.492370844
ontime6	40969.492370844
ontime7	40969.492390722
l1events	1560365

2.1.4 Events

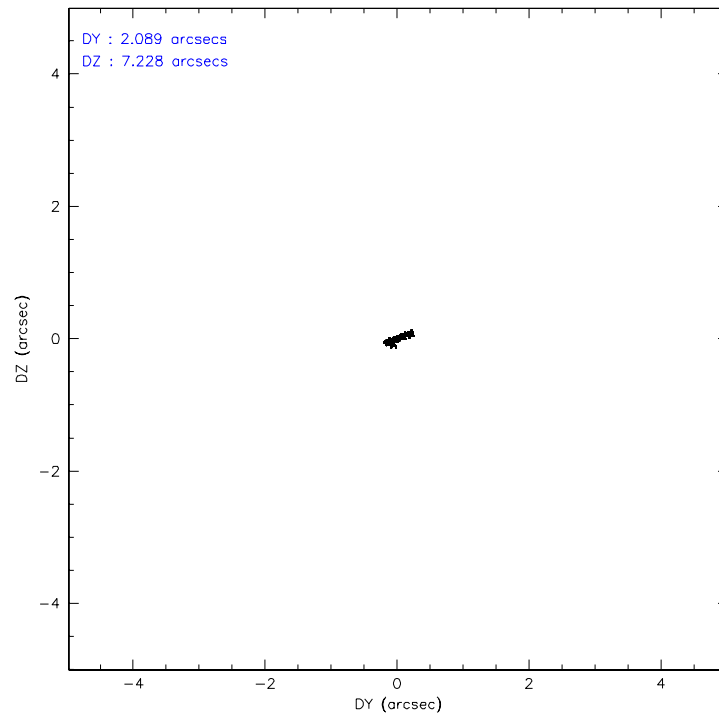
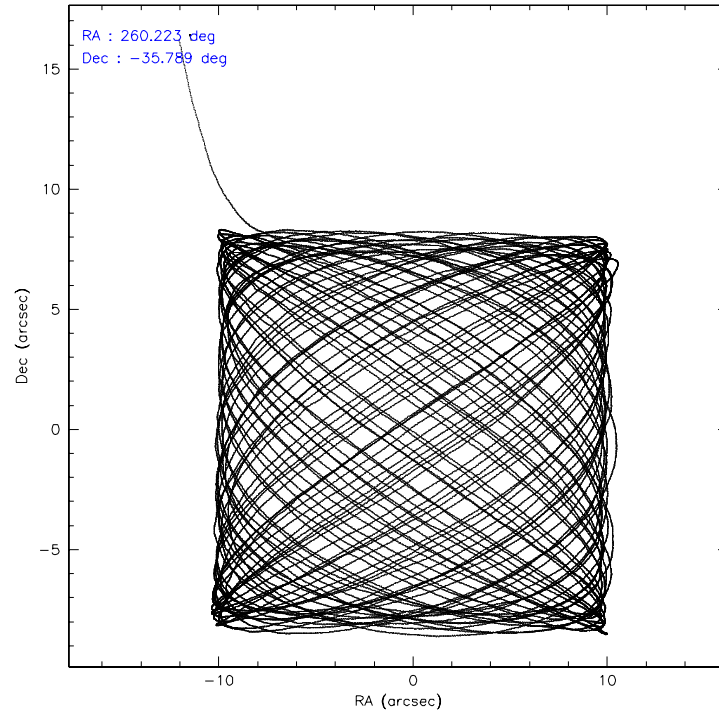
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	246964	235720	246172	247989	256313	327207
rejected events	197161	197410	214884	216899	226469	204372
rejected %	79%	83%	87%	87%	88%	62%

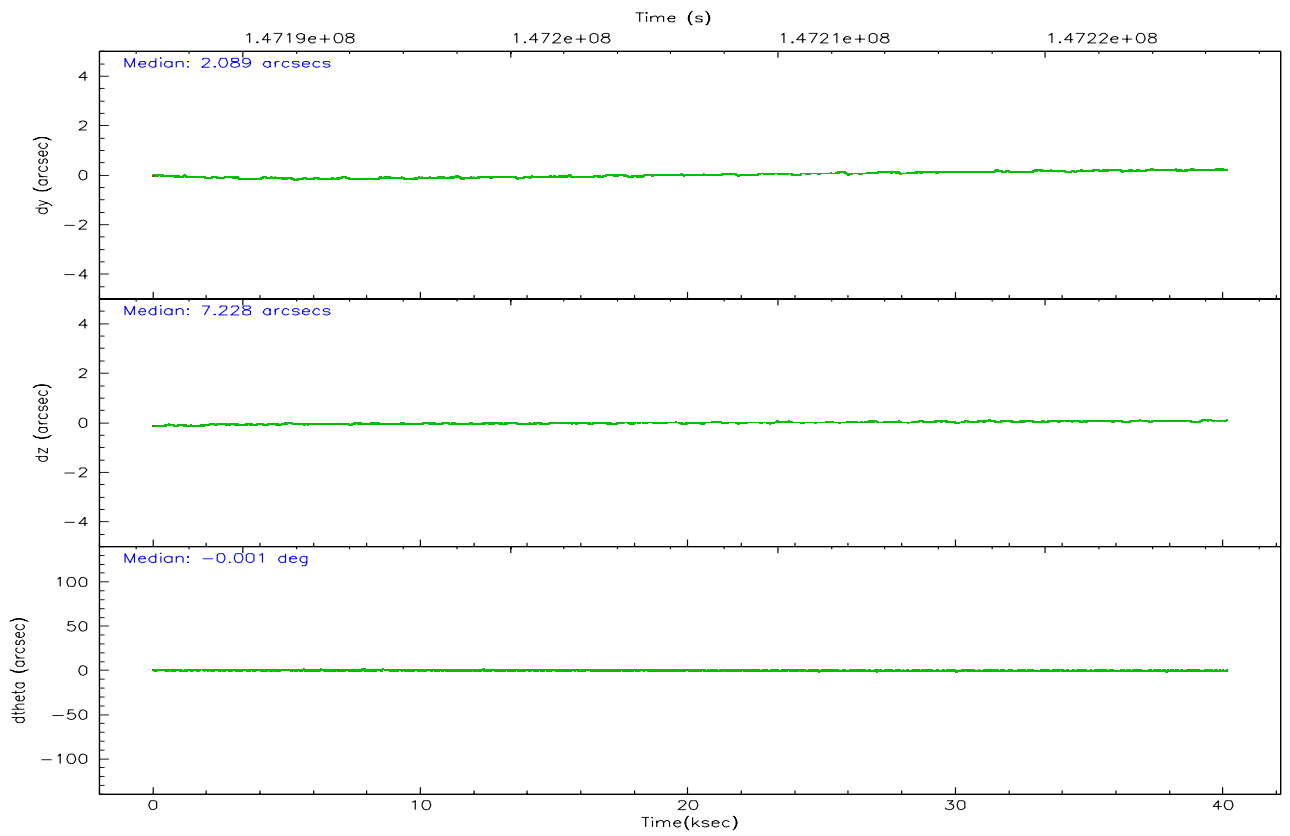
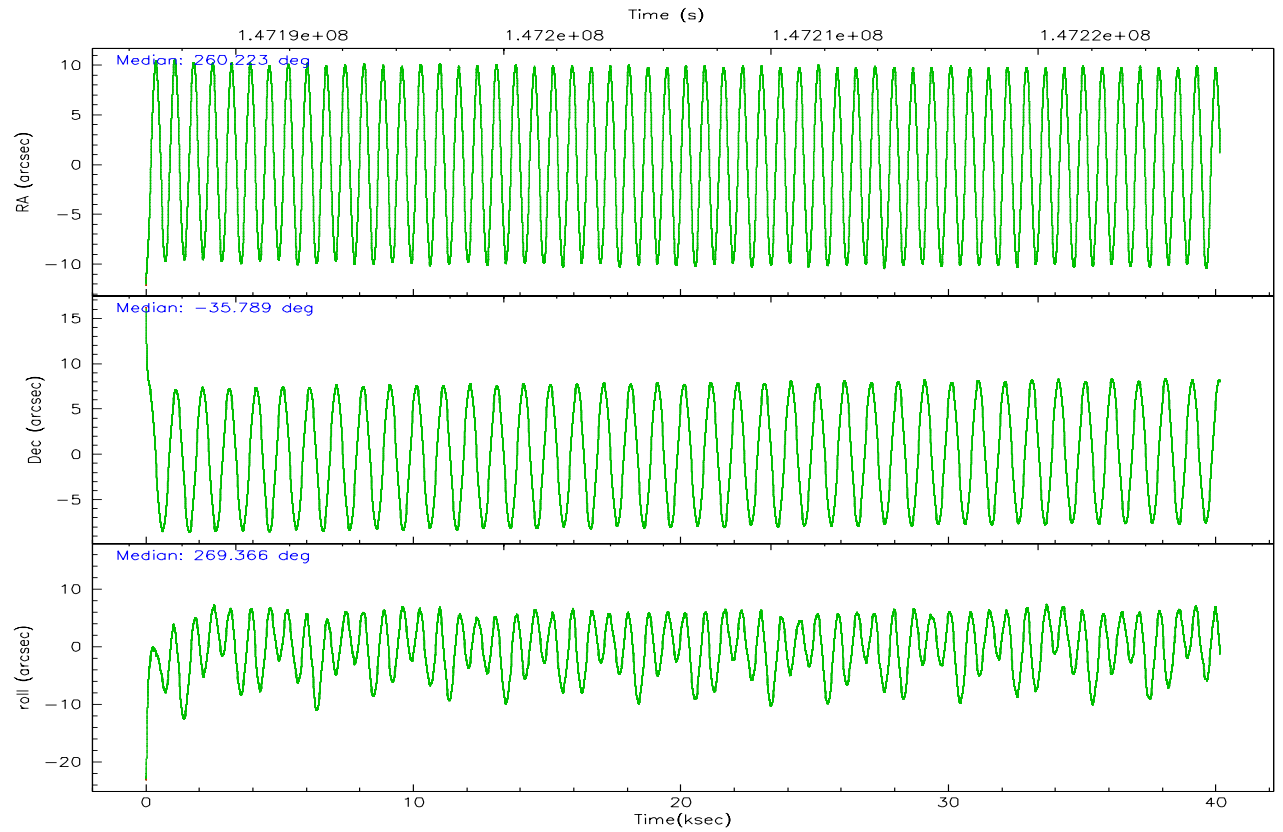
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	28208	18624	15156	14996	12438	7484
	11%	7%	6%	6%	4%	2%
grade 1 events	212	137	155	174	143	171
	0%	0%	0%	0%	0%	0%
grade 2 events	8800	7316	6218	5843	6249	30934
	3%	3%	2%	2%	2%	9%
grade 3 events	3883	3437	2912	2913	2870	6681
	1%	1%	1%	1%	1%	2%
grade 4 events	3469	3364	2826	2849	2851	6601
	1%	1%	1%	1%	1%	2%
grade 5 events	9738	10064	9262	10694	11455	22050
	3%	4%	3%	4%	4%	6%
grade 6 events	6148	6184	4792	5095	6027	73568
	2%	2%	1%	2%	2%	22%
grade 7 events	186506	186594	204851	205425	214280	179718
	75%	79%	83%	82%	83%	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	260.206042	260.2227014430733	Subarray requested	NONE	NONE
Pointing Dec	-35.764881	-35.78870395270673	Alternating exposures requested	N	N
Pointing Roll	269.153567	269.3719875862067	Primary exposure time	0.000000	3.2
Roll angle	270.000000	270.000000			
Roll tolerance	10.000000	10.000000			
Roll constraint allows 180D rotation	N	N			
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	147186805.184000	147185344.17769			
Observation start date	2002-08-31T13:12:21	2002-08-31T12:49:04			
Observation end time	147226805.184000	147227440.41693			
Observation end date	2002-09-01T00:19:01	2002-09-01T00:30:40			
Read mode	TIMED	TIMED			

2.3 Aspect



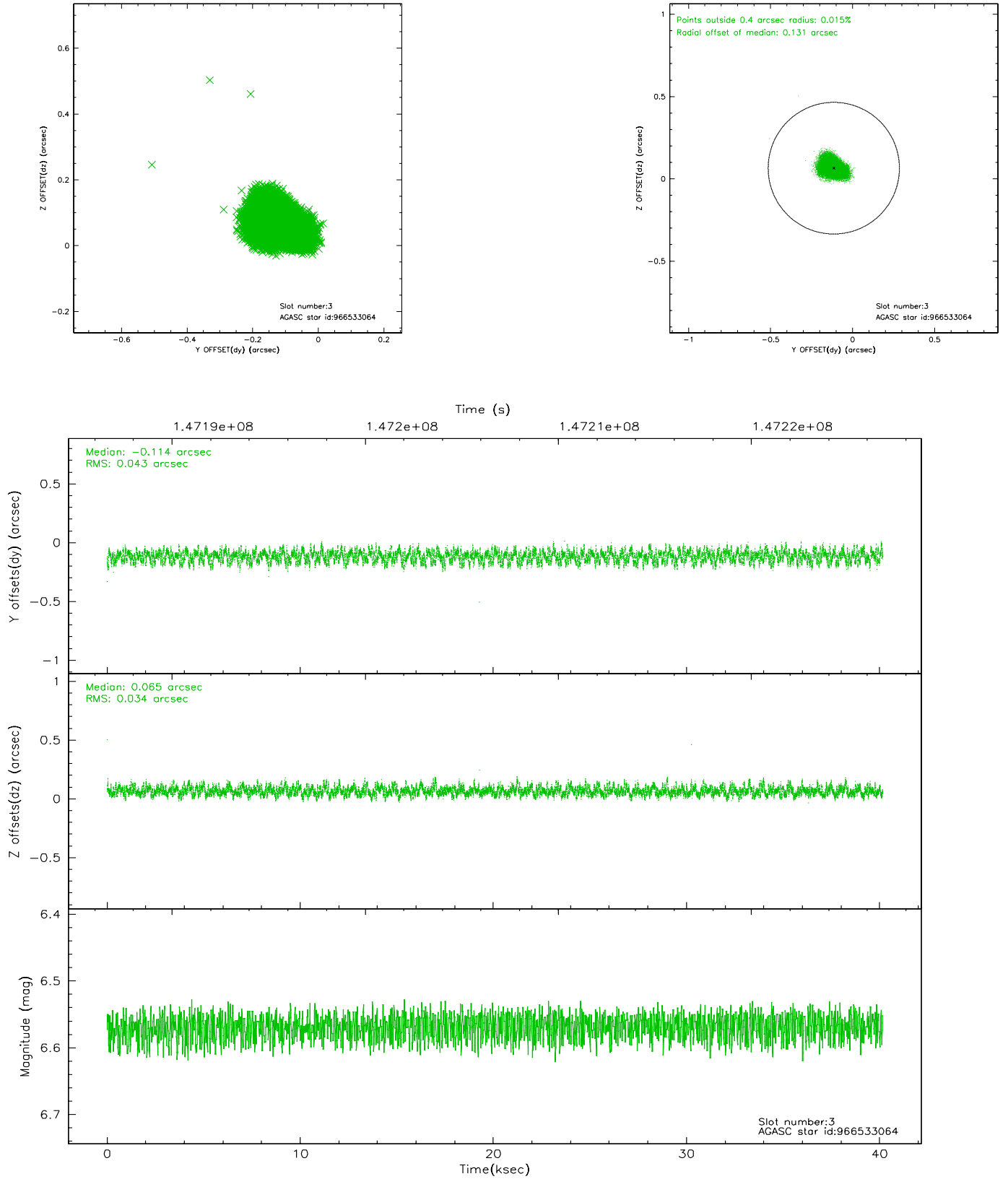


Slot Statistics

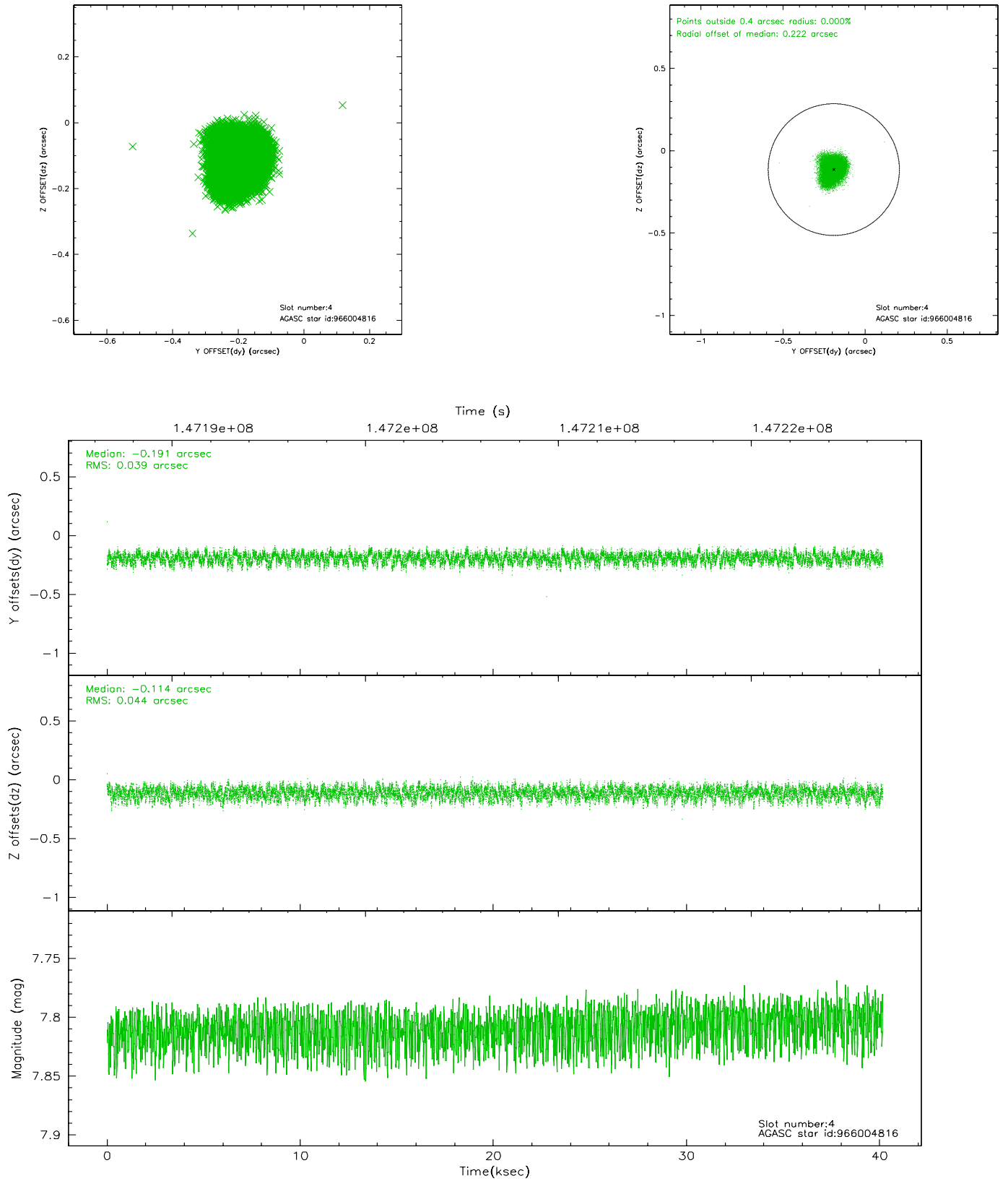
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	9795	-0.023	0.053	0.006	0.010	0.000000	0.000000	937.67	-830.59
1	FID	ACIS-I-5	7.24	9794	-0.022	0.042	0.006	0.010	0.000000	0.000000	-1810.39	1066.94
2	FID	ACIS-I-6	7.26	9795	-0.046	-0.025	0.007	0.011	0.000000	0.000000	403.23	1711.34
3	GUIDE	966533064	6.57	19589	-0.114	0.065	0.059	0.093	260.658145	-35.910729	507.55	1326.67
4	GUIDE	966004816	7.81	19586	-0.191	-0.114	0.063	0.101	259.439637	-35.224167	-1904.82	-2282.10
5	GUIDE	966530056	8.23	19583	0.170	-0.084	0.056	0.088	259.659669	-36.086961	1187.01	-1571.77
6	GUIDE	966530288	9.15	19567	0.170	0.082	0.078	0.124	260.563512	-35.995883	817.63	1053.96
7	GUIDE	967709784	9.06	19583	-0.038	0.052	0.089	0.146	261.025089	-35.287716	-1744.00	2381.78

2.4 Star Slots

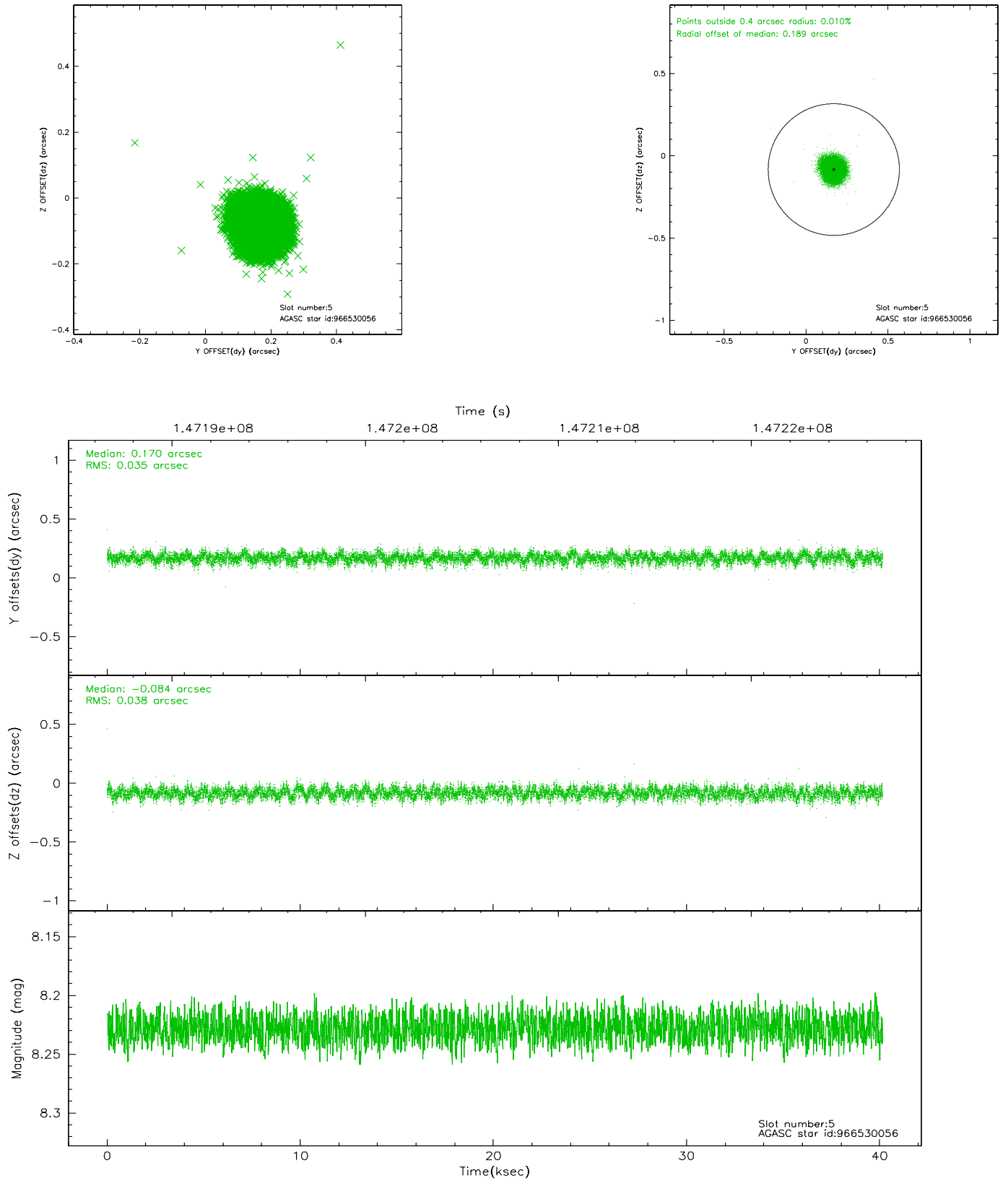
2.4.1 Slot 3



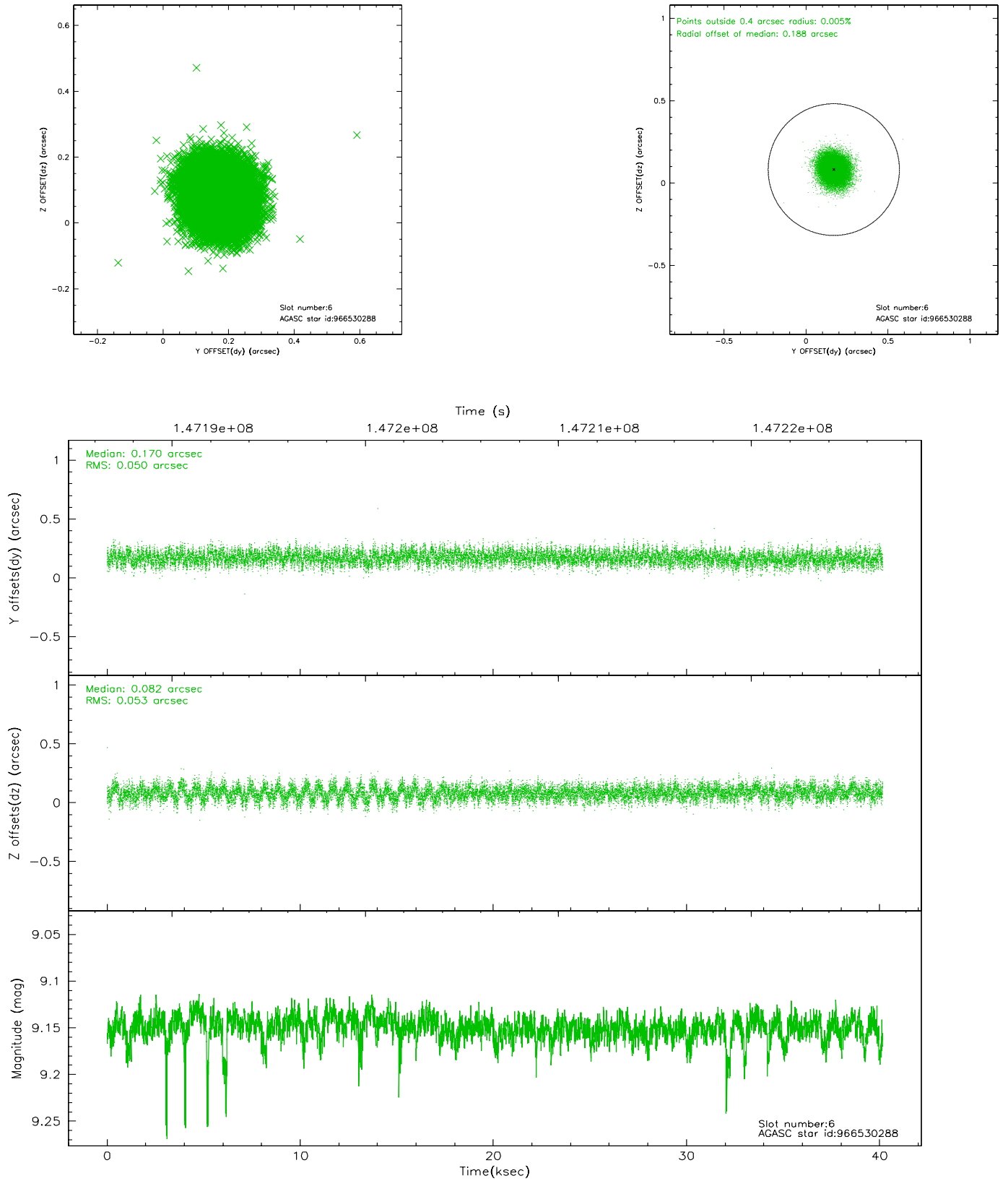
2.4.2 Slot 4



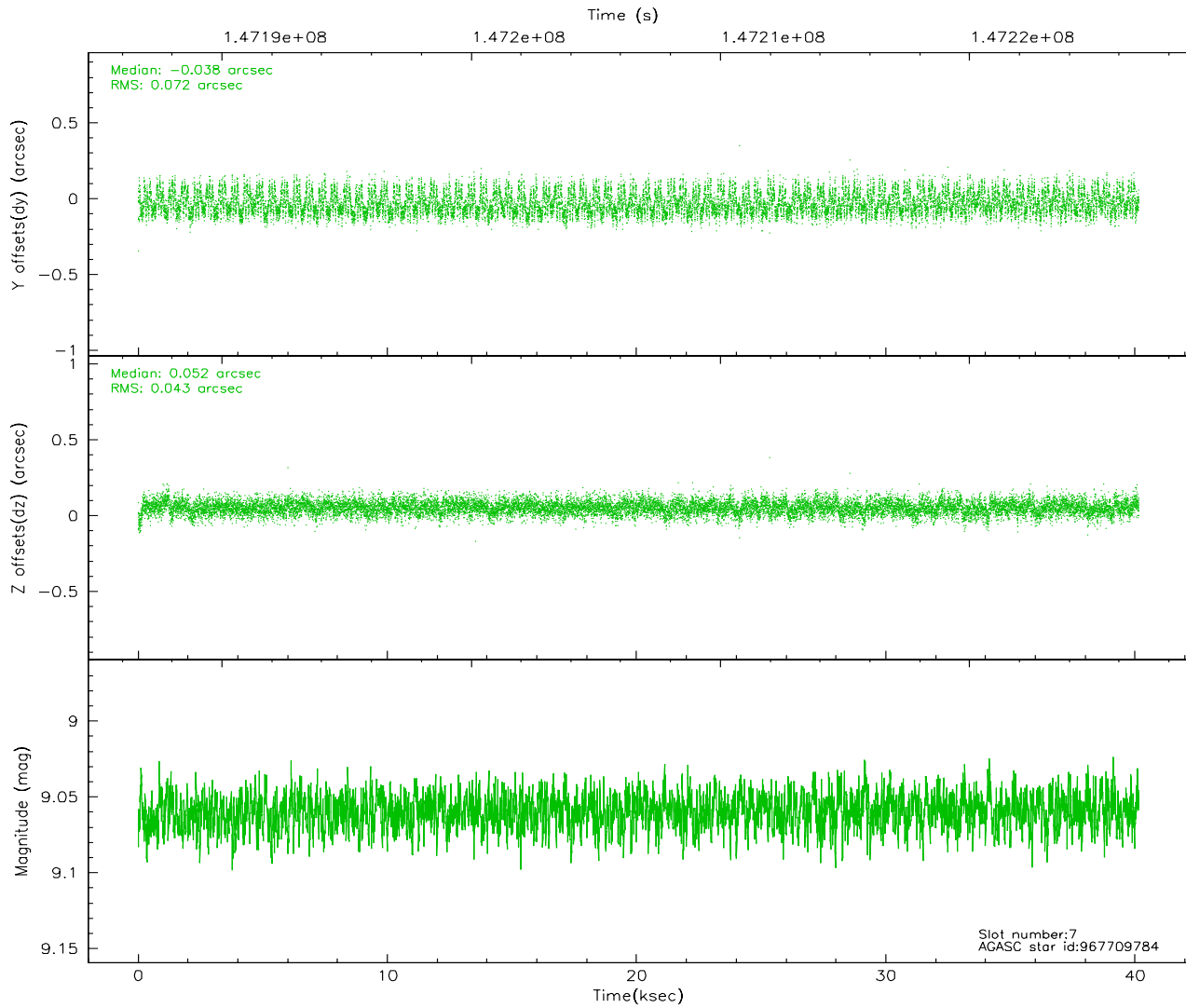
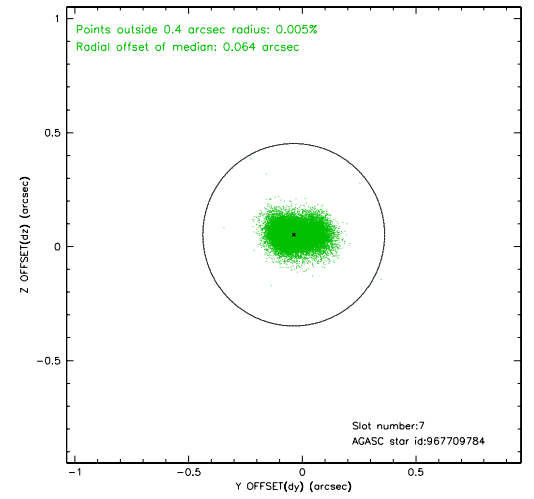
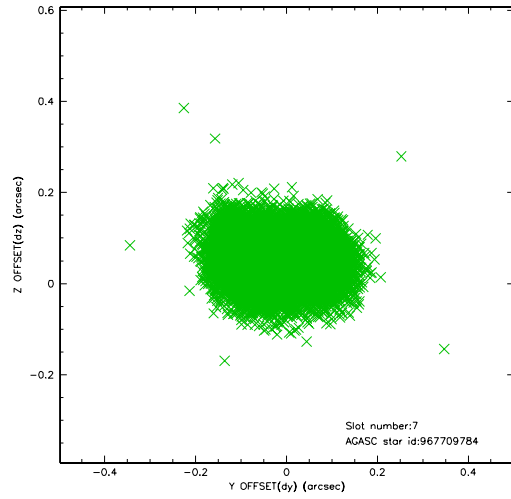
2.4.3 Slot 5



2.4.4 Slot 6

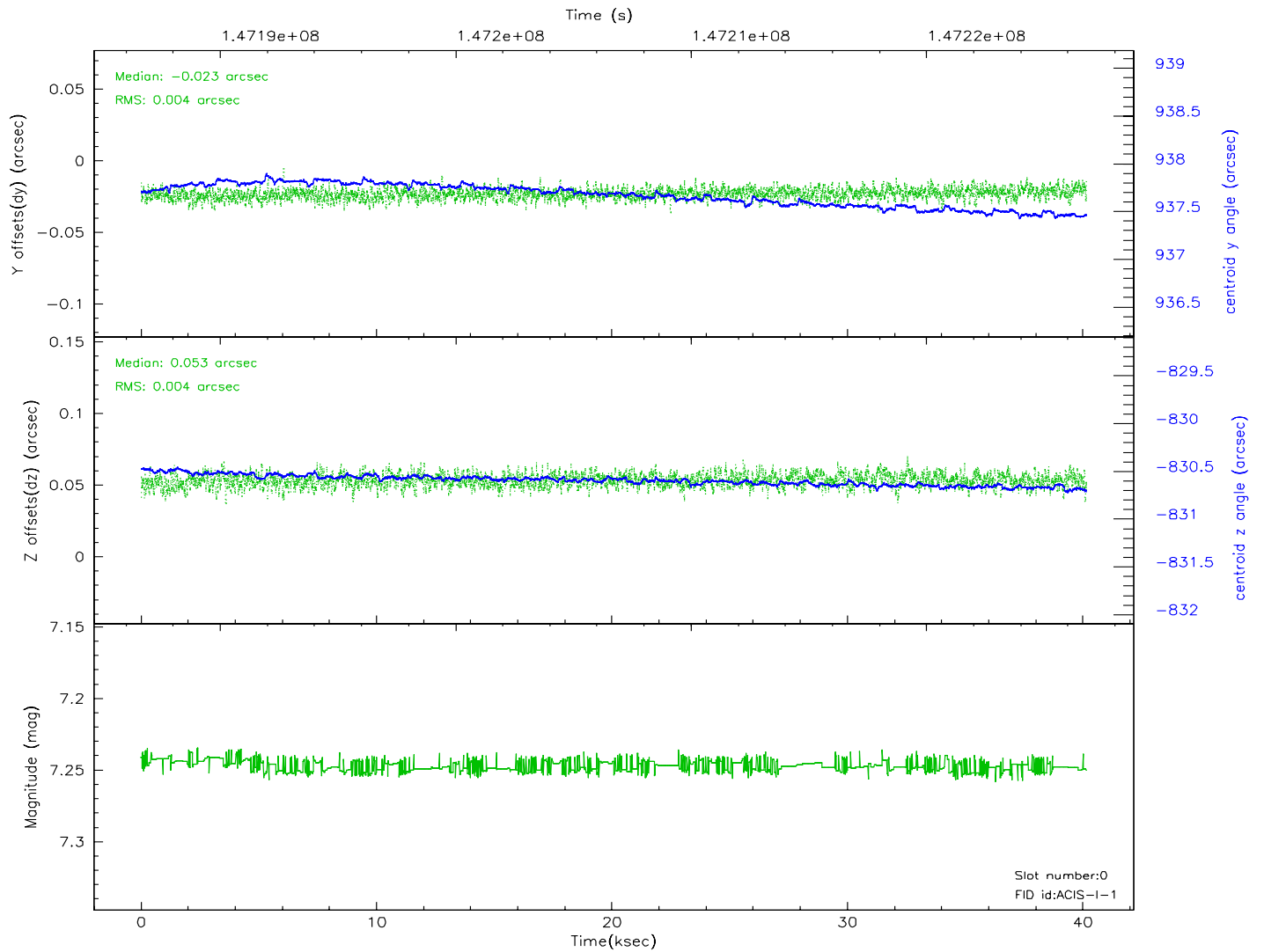
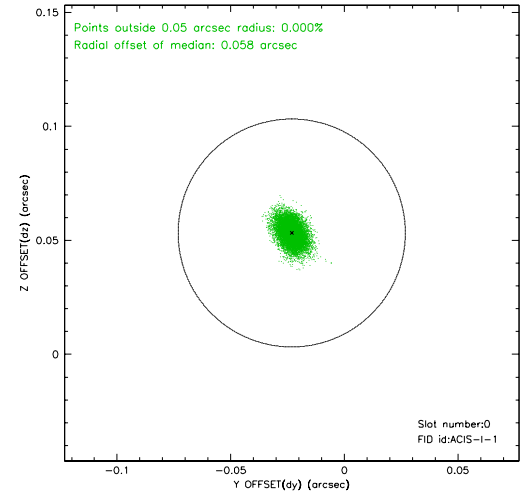
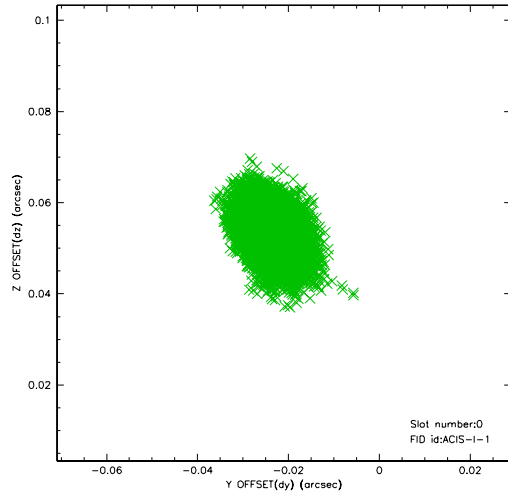


2.4.5 Slot 7

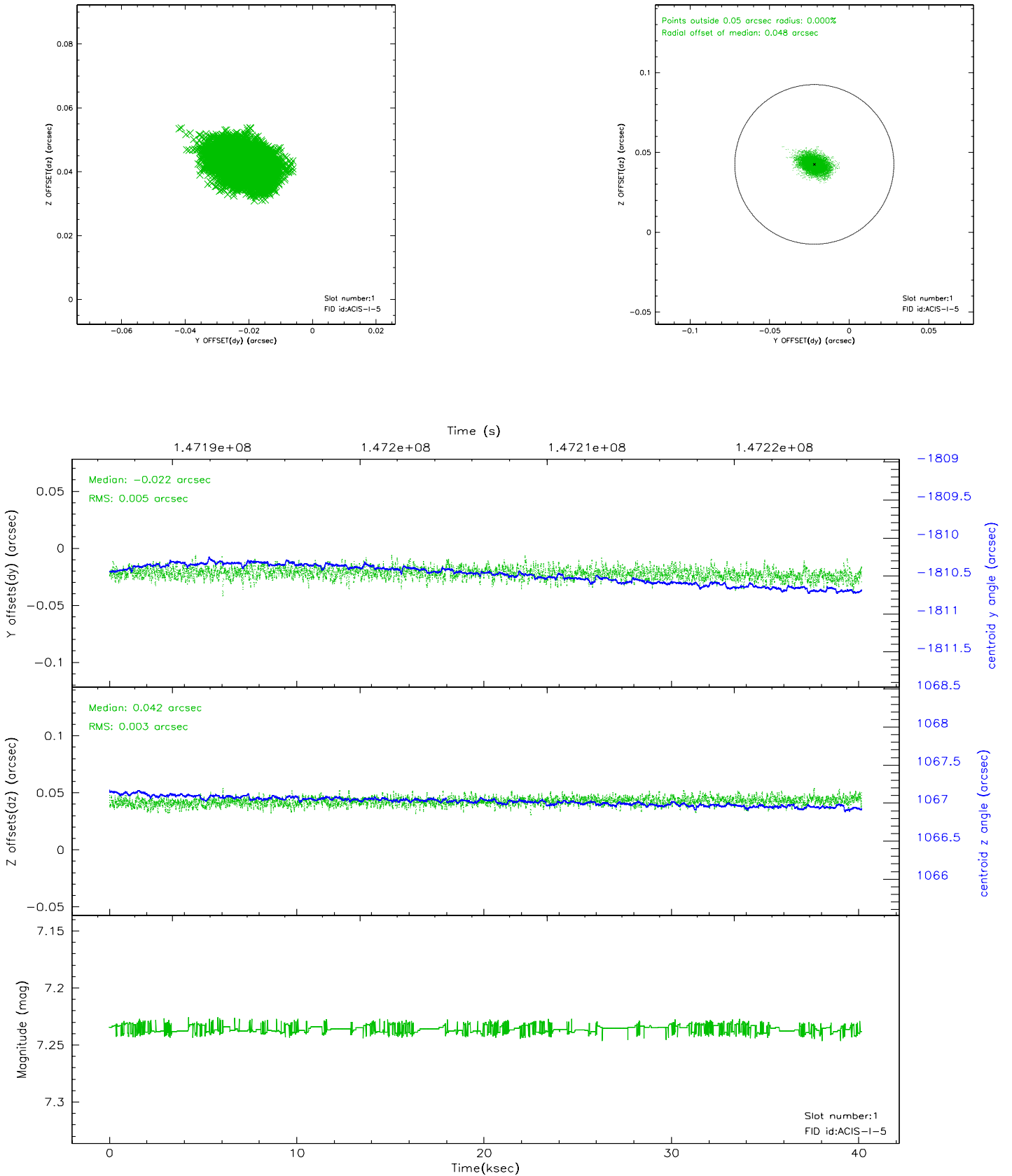


2.5 FID Slots

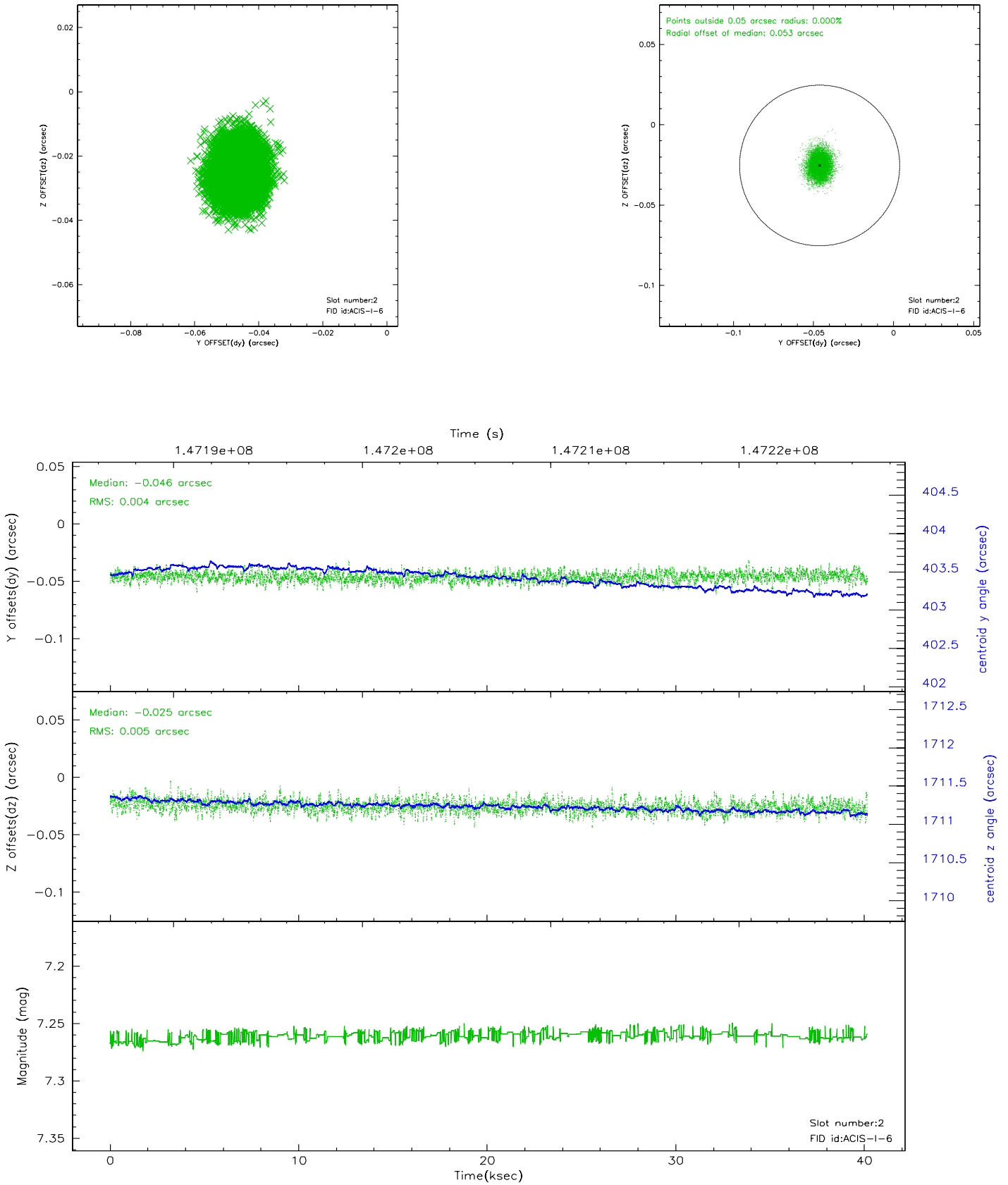
2.5.1 Slot 0



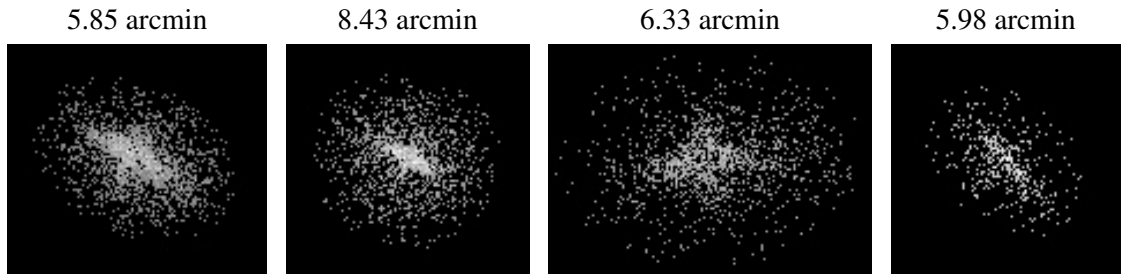
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.156

A.2 Comments

Roll constraint met.

Focal plane temperature is warmer than -118.7 C degrees during the first 8 ksec of this observation. The ACIS spectral response calibration for the front-illuminated chips is less accurate at these warmer temperatures than it is at -119.7 C. The back-illuminated chips are not affected at the focal plane temperatures recorded for this observation. Users whose science objectives depend on the most accurate spectral response (i.e.: fitting line-rich spectra) may notice an effect. Users whose science objectives do not depend on the most accurate spectral response should not notice an effect.