

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 985 - L2 Version 001
Chandra X-Ray Center

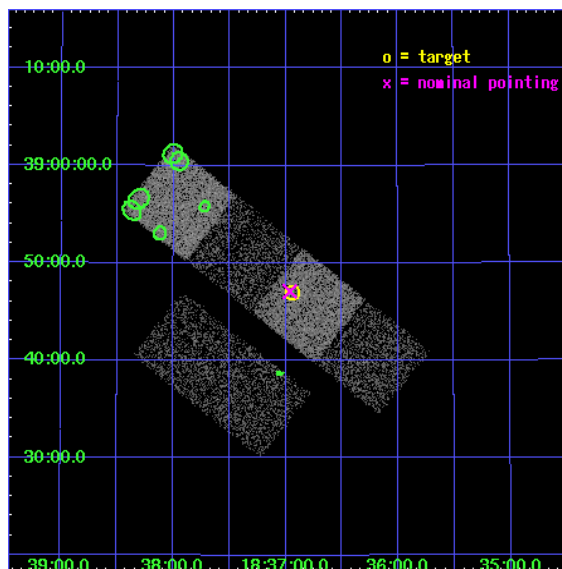
L2 Processing Date : Nov 6 2006

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1 Front

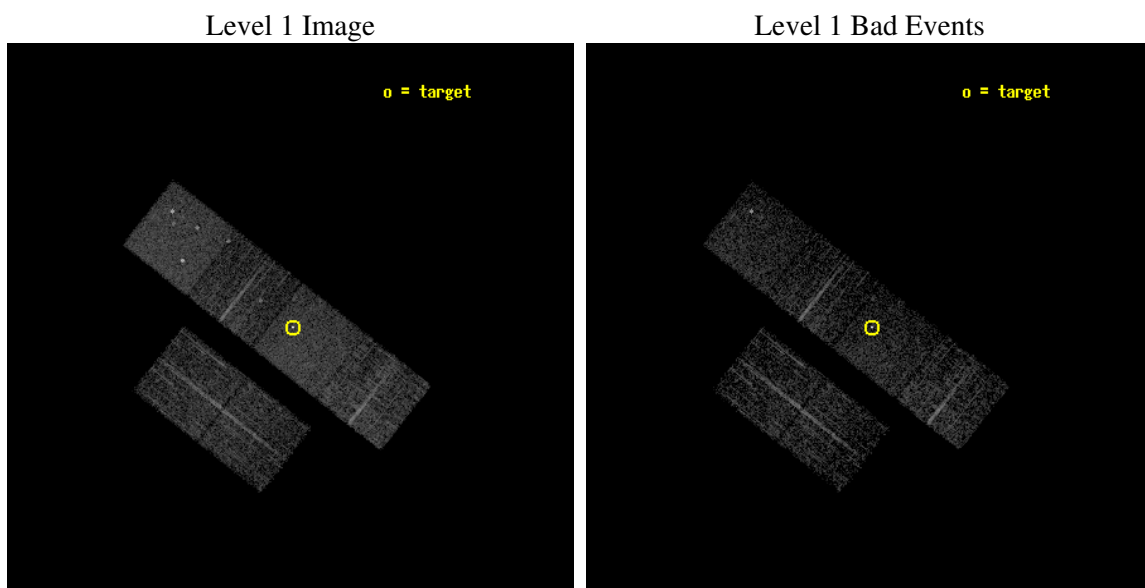
seq_num	290066
obs_id	985
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC
observer	Dr. CXC Calibration
object	VEGA, ACIS-S, AO2
dtcycle	0
cycle	P
ra_targ	279.234792
dec_targ	38.783778
ra_nom	279.24034605156
dec_nom	38.784922717751
roll_nom	38.222418035442
revision	2
ontime	2940.8000027388
livetime	2903.561822367
ontime2	2940.8000027388
ontime3	2940.8000027388
ontime5	2940.8000027388
ontime6	2940.8000027388
ontime7	2940.8000027388
ontime8	2940.8000027388
l2events	28242



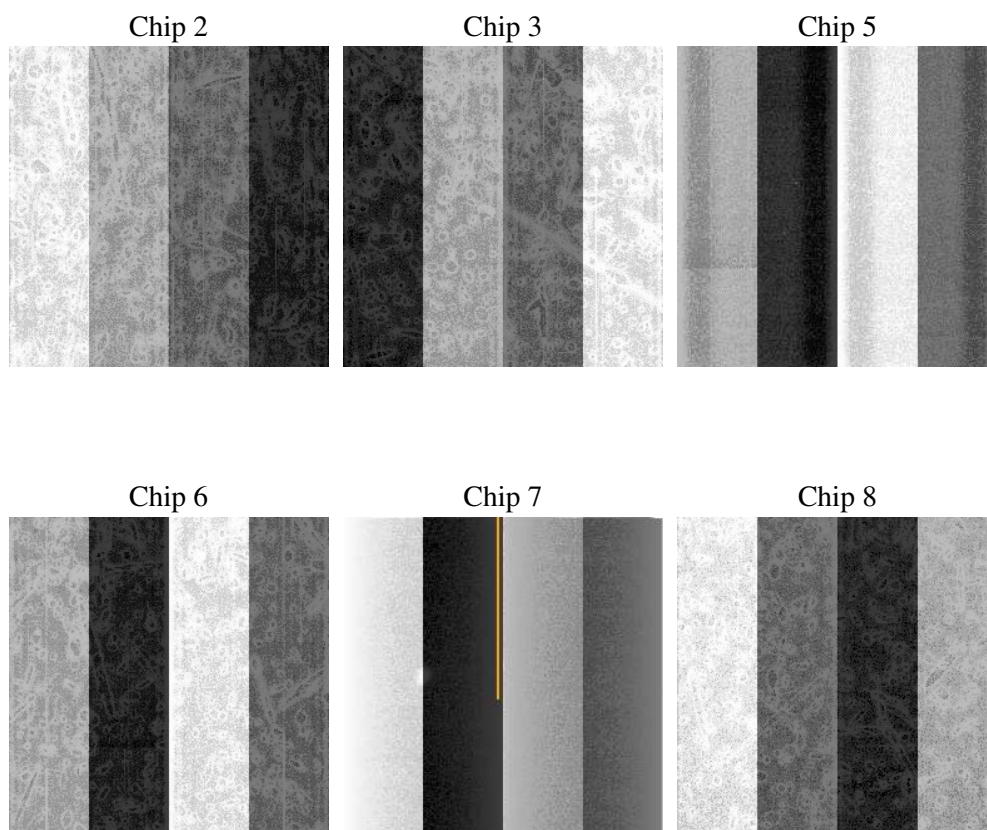
2 OBI

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	2006-11-06T11:43:21
revision	2

sched_exp_time	3000.000000
ontime	2942.8248934448
ontime2	2942.8248934448
ontime3	2942.8248934448
ontime5	2942.8248934448
ontime6	2942.8248934448
ontime7	2942.8248934448
ontime8	2942.8248934448
l1events	127022

2.1.4 Events

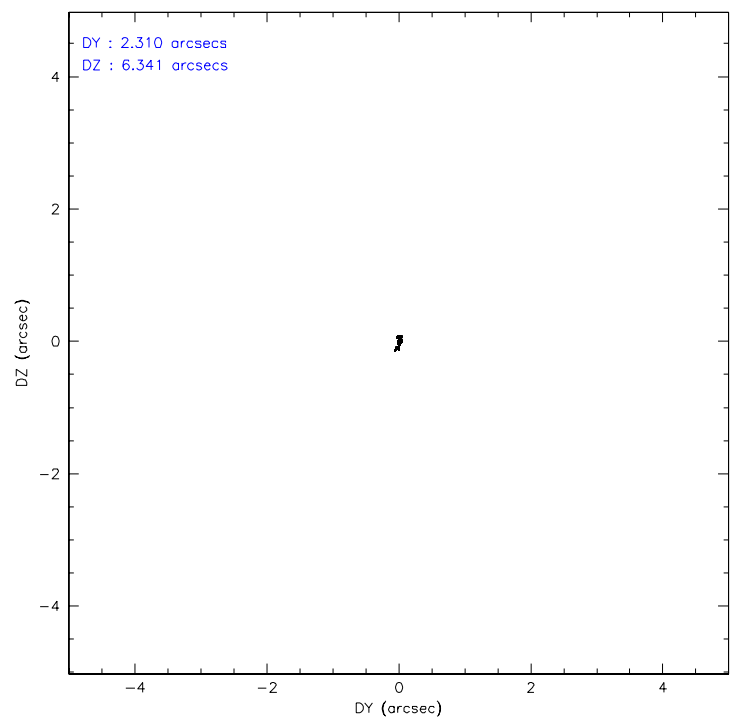
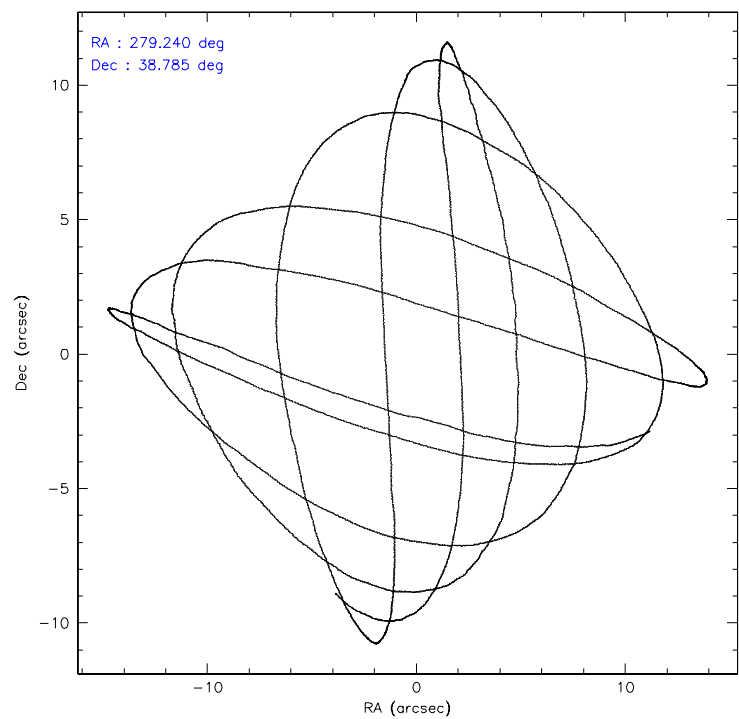
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18104	16653	26652	17133	24827	23653
rejected events	15745	14328	14136	14566	15561	17810
rejected %	86%	86%	53%	85%	62%	75%

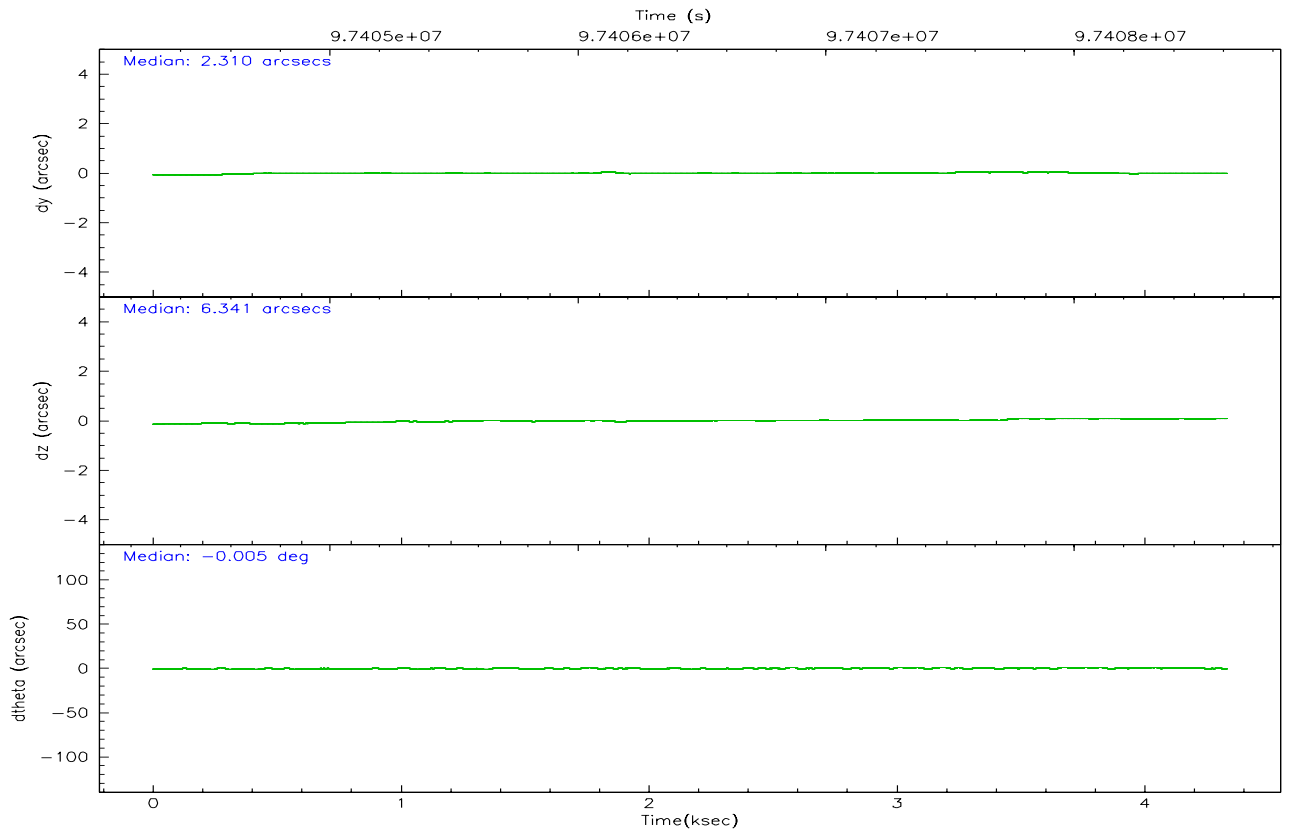
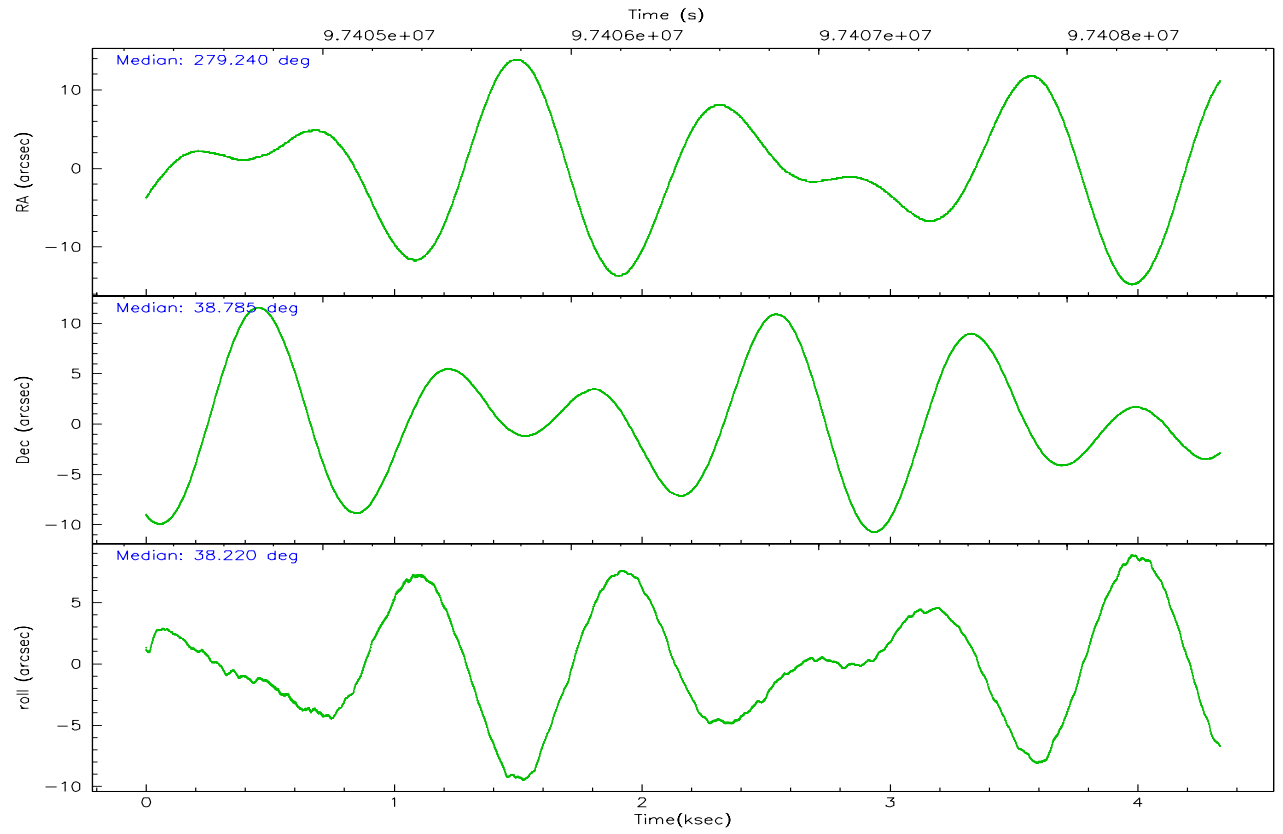
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1013	1003	1535	1193	705	2040
	5%	6%	5%	6%	2%	8%
grade 1 events	5	10	43	11	112	12
	0%	0%	0%	0%	0%	0%
grade 2 events	556	526	4164	511	2200	1138
	3%	3%	15%	2%	8%	4%
grade 3 events	201	194	301	197	474	749
	1%	1%	1%	1%	1%	3%
grade 4 events	206	189	287	211	488	691
	1%	1%	1%	1%	1%	2%
grade 5 events	601	610	1400	764	1716	953
	3%	3%	5%	4%	6%	4%
grade 6 events	385	418	6238	460	5407	1229
	2%	2%	23%	2%	21%	5%
grade 7 events	15137	13703	12684	13786	13725	16841
	83%	82%	47%	80%	55%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	279.227664	279.2403460515583	Subarray requested	NONE	NONE
Pointing Dec	38.759521	38.7849227177513	Alternating exposures requested	N	N
Pointing Roll	38.073735	38.222418035442	Primary exposure time	0.000000	3.2
Window start time	97372864.184000	97372864.184000			
Window stop time	99705664.184000	99705664.184000			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	97405619.184000	97404089.29285599			
Observation start date	2001-02-01T09:05:55	2001-02-01T08:41:29			
Observation end time	97408619.184000	97409782.65557501			
Observation end date	2001-02-01T09:55:55	2001-02-01T10:16:22			
Read mode	TIMED	TIMED			

2.3 Aspect



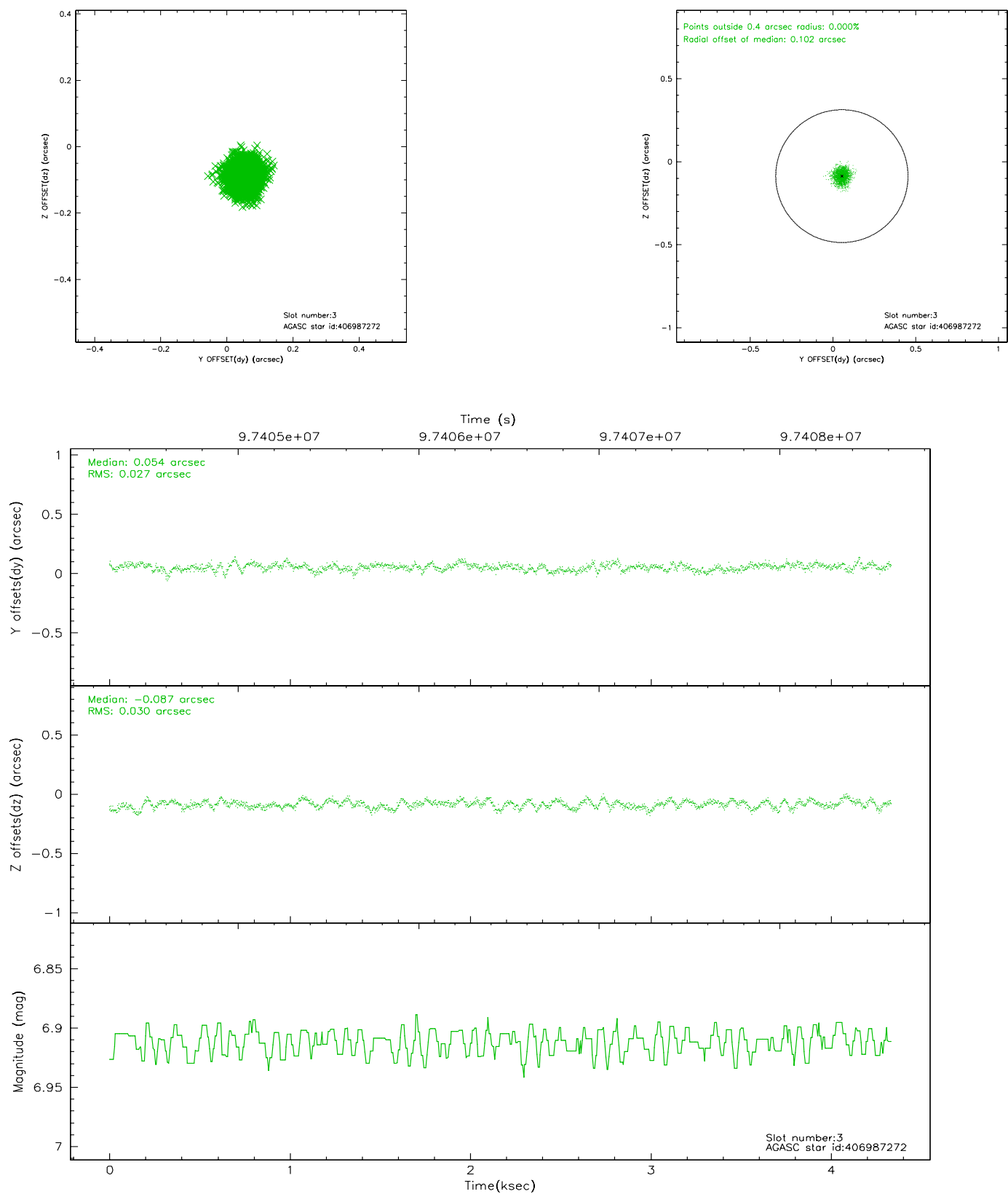


Slot Statistics

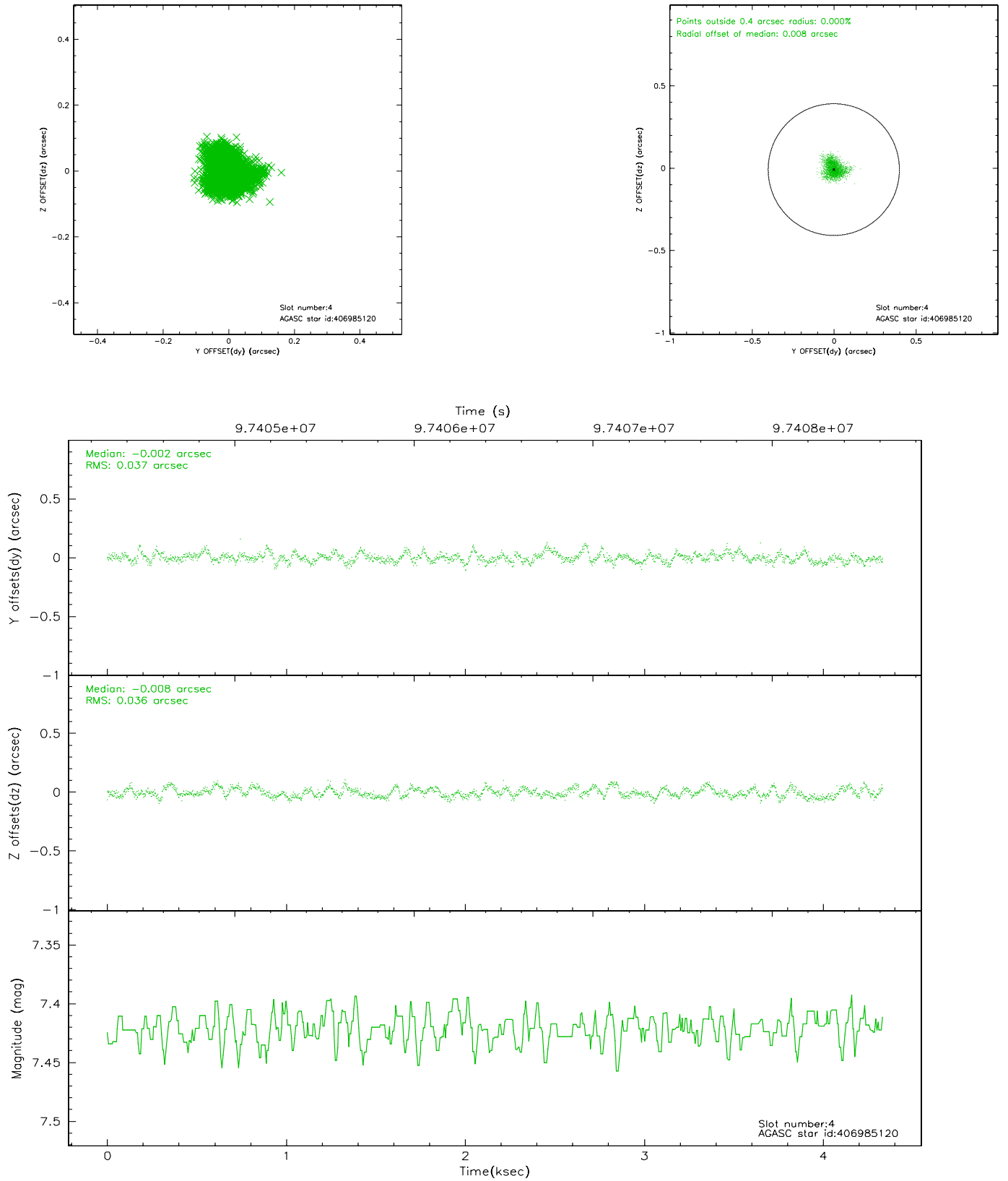
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1057	-0.017	0.031	0.006	0.011	0.000000	0.000000	-754.92	-1727.41
1	FID	ACIS-S-4	7.20	1057	-0.085	-0.000	0.005	0.009	0.000000	0.000000	2157.61	179.61
2	FID	ACIS-S-5	7.23	1057	0.070	-0.022	0.006	0.010	0.000000	0.000000	-1805.87	174.83
3	GUIDE	406987272	6.91	2115	0.054	-0.087	0.044	0.069	278.536588	38.437504	-2244.03	294.52
4	GUIDE	406985120	7.42	2115	-0.002	-0.008	0.055	0.089	278.839732	38.894839	-554.59	1055.41
5	GUIDE	406993992	7.62	2115	-0.057	0.070	0.059	0.090	279.053714	38.034587	-1997.33	-1749.81
6	GUIDE	406989616	8.23	2115	0.046	0.026	0.064	0.103	279.202881	38.520843	-585.36	-634.48
7	GUIDE	407521232	8.66	2114	-0.040	0.000	0.071	0.111	279.628883	39.431715	2372.06	1218.47

2.4 Star Slots

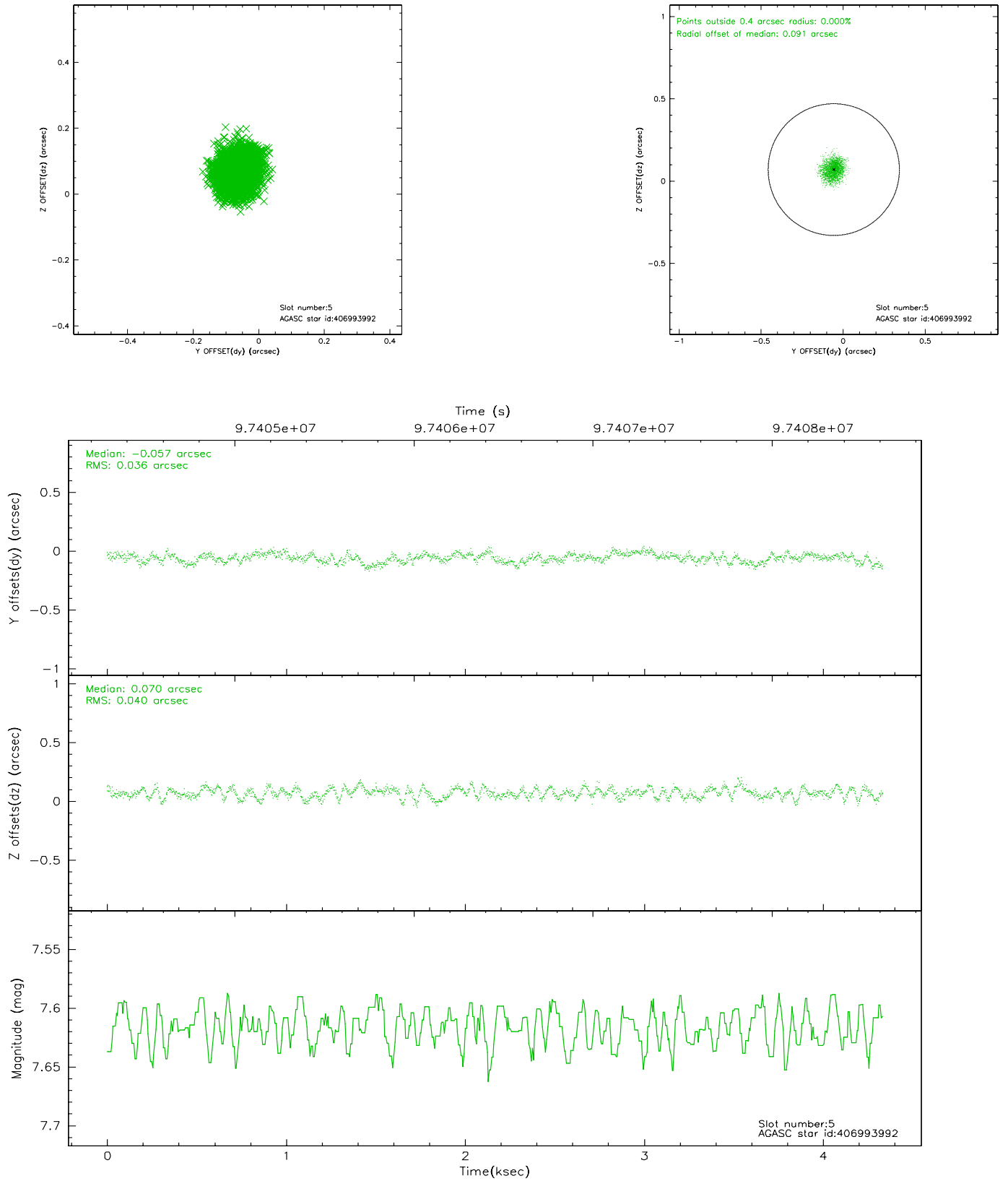
2.4.1 Slot 3



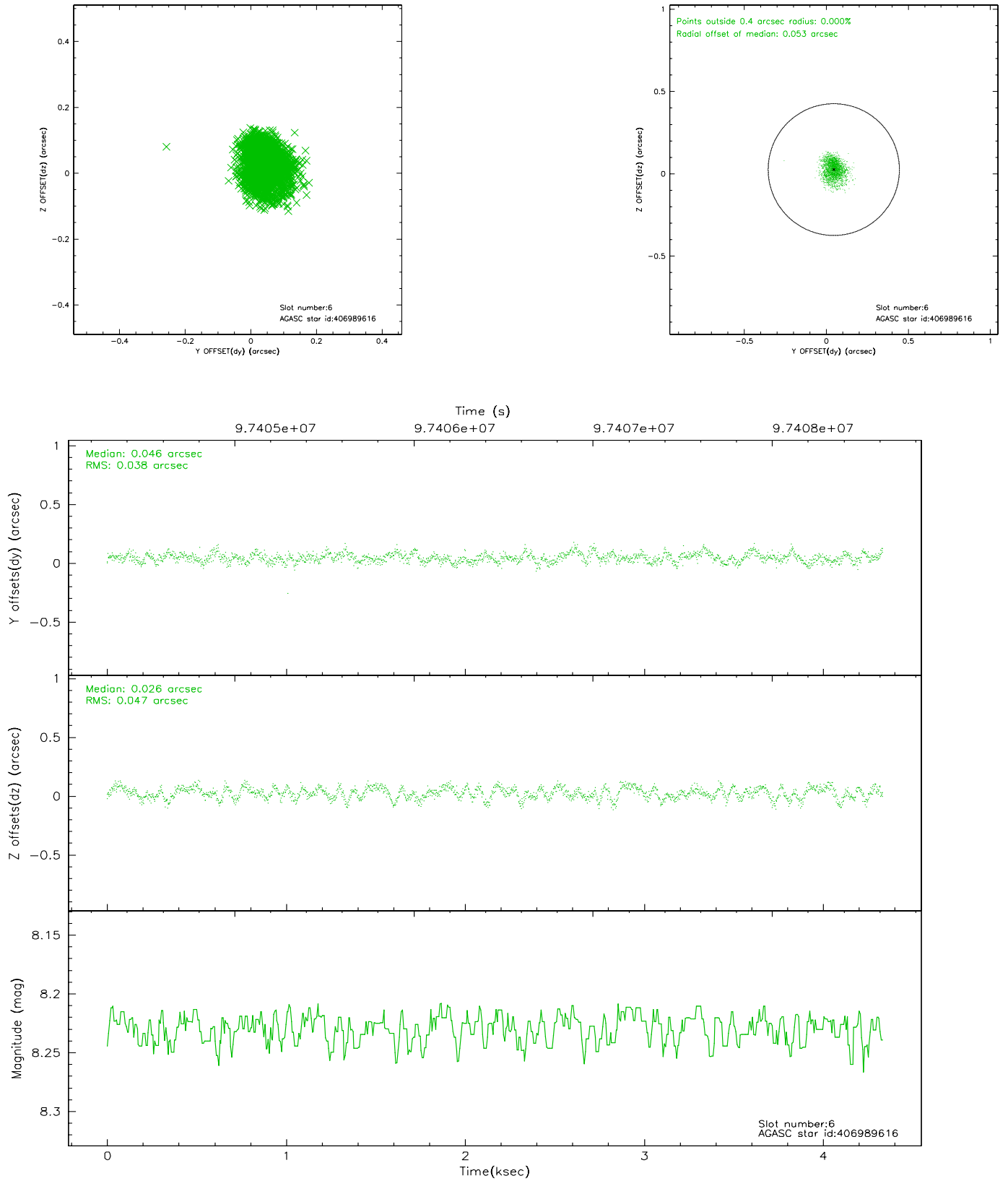
2.4.2 Slot 4



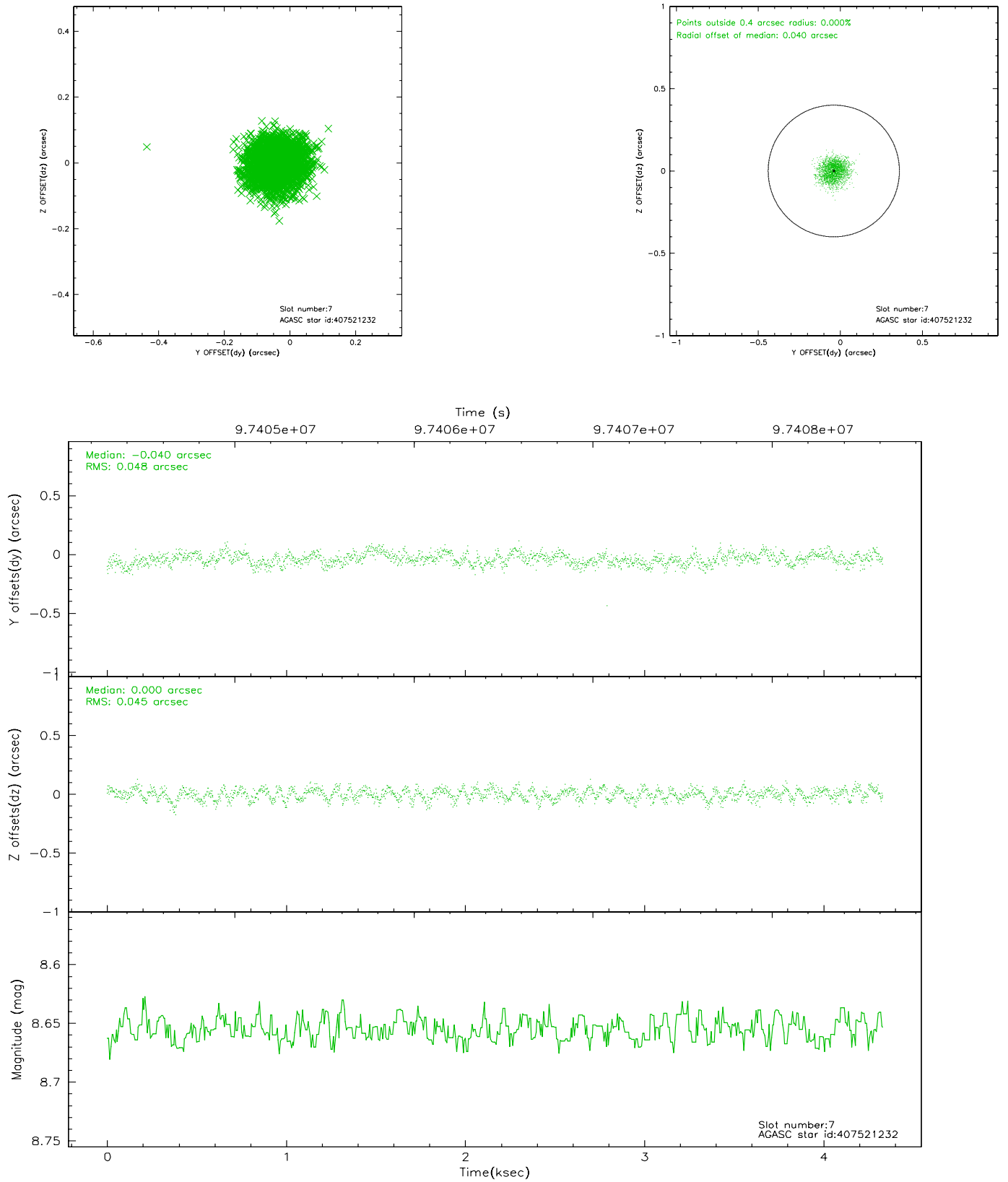
2.4.3 Slot 5



2.4.4 Slot 6

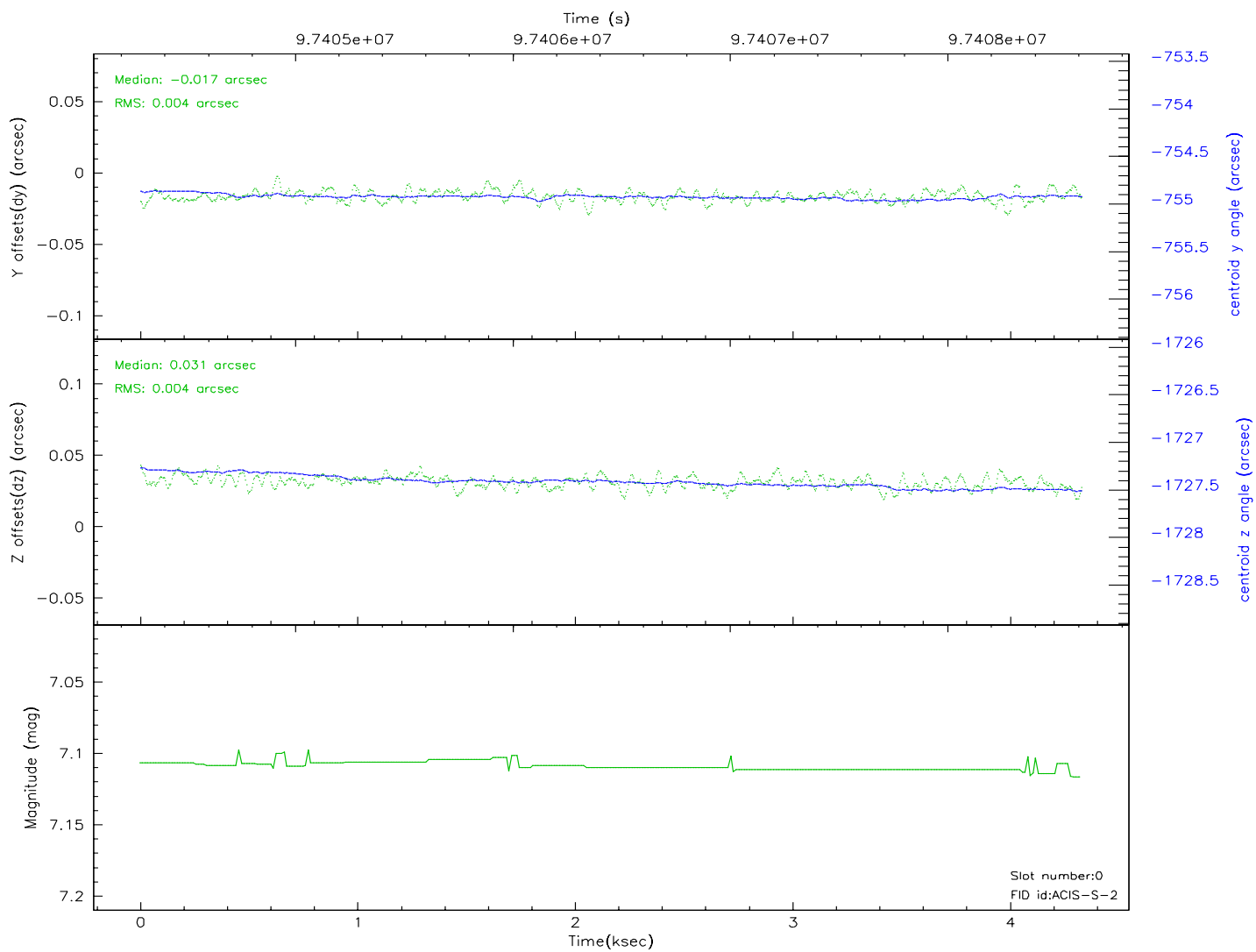
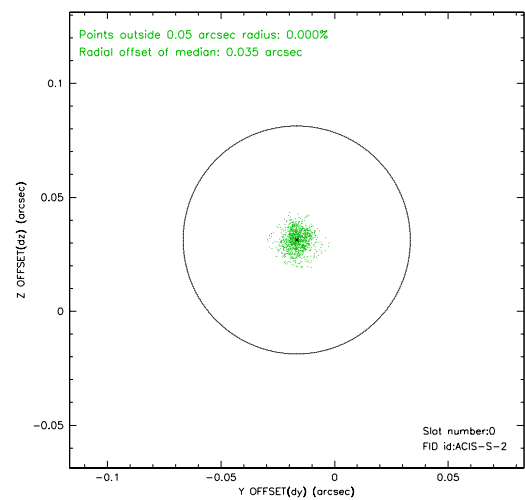
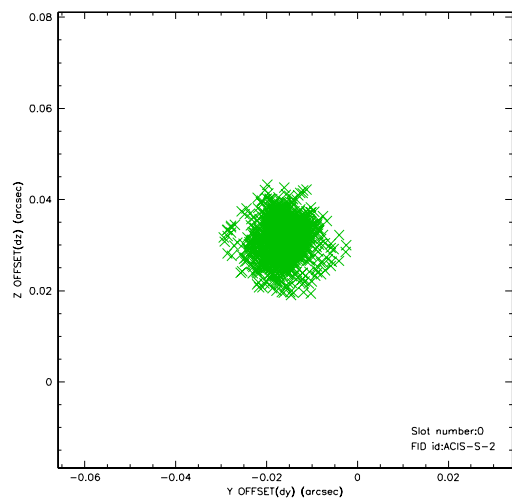


2.4.5 Slot 7

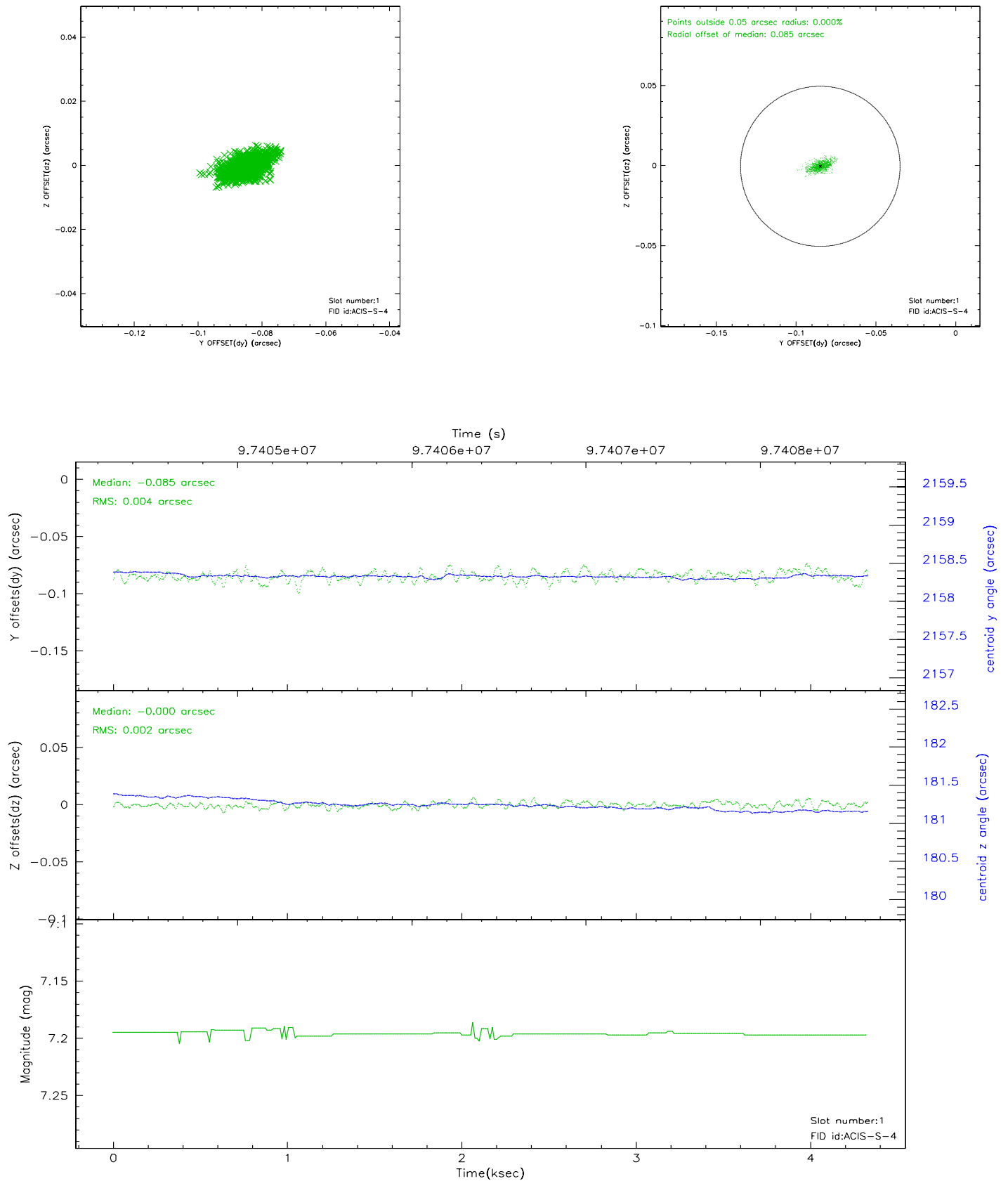


2.5 FID Slots

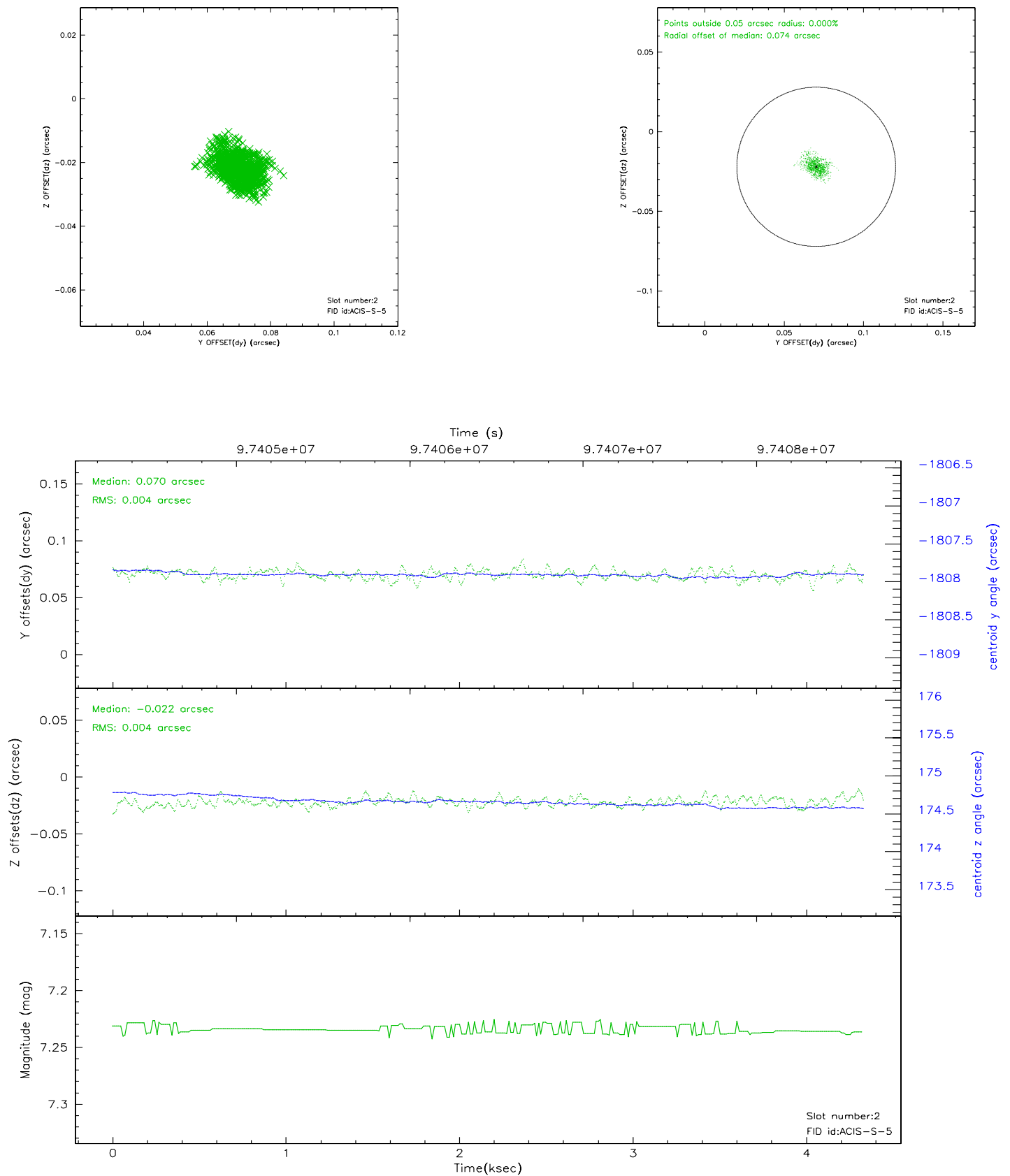
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

8.55 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.94

A.2 Comments

Window constraint met.