

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5644 - L2 Version 002
Chandra X-Ray Center

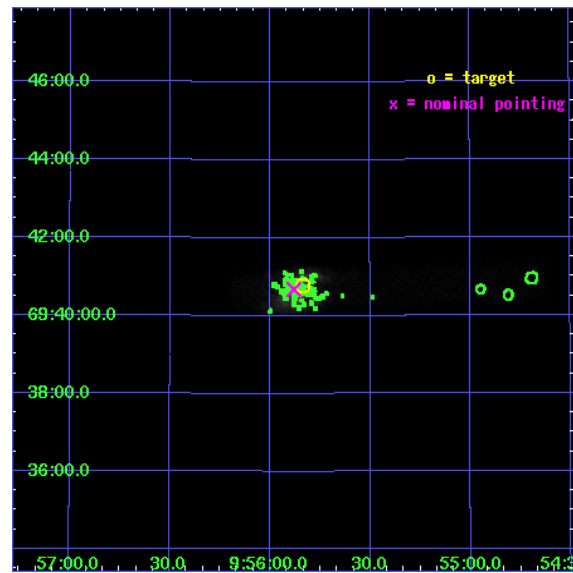
L2 Processing Date : Mar 20 2006

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1 Front

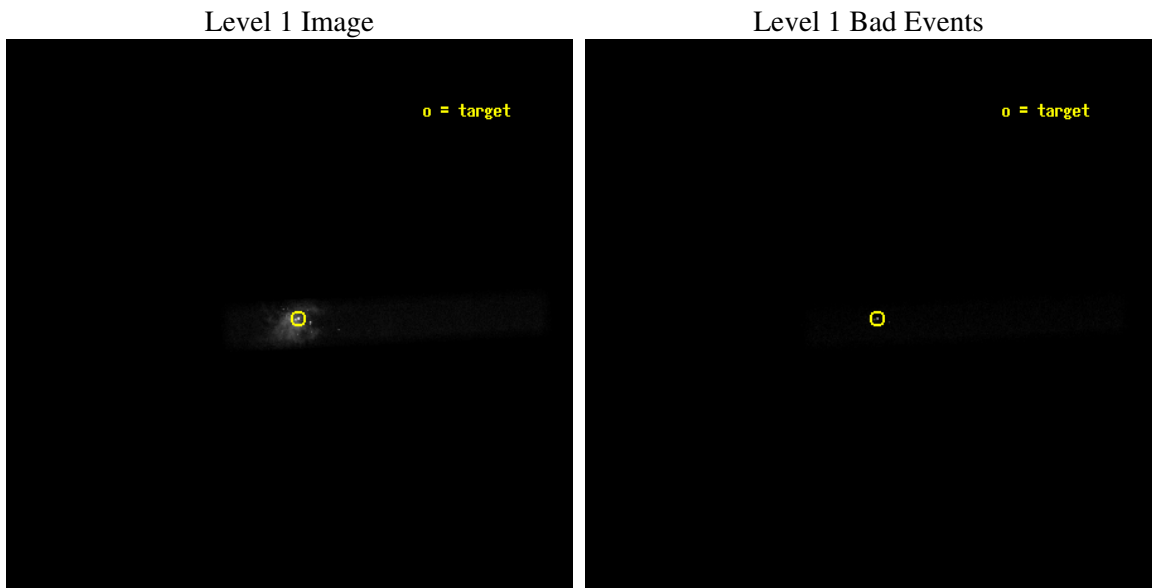
seq_num	701067
obs_id	5644
title	Chandra and RXTE Observations of the Ultraluminous QPO Source in M82
observer	Dr. Tod Strohmayer
object	CXO M82 J095550.2+694047
dtcycle	0
cycle	P
ra_targ	148.959167
dec_targ	69.679722
ra_nom	148.97044231162
dec_nom	69.677848460979
roll_nom	357.24605487789
revision	2
ontime	75131.201119542
livetime	68140.033665466
ontime7	75131.201119542
l2events	283024



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-20T11:34:25
revision	2

sched_exp_time	75000.000000
ontime	76860.432995975
ontime7	76860.432995975
l1events	357549

2.1.3 Events

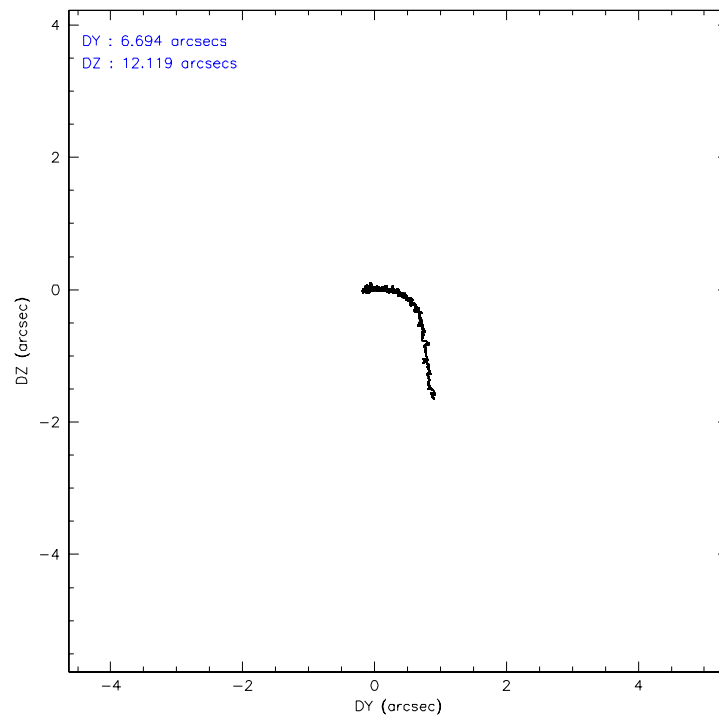
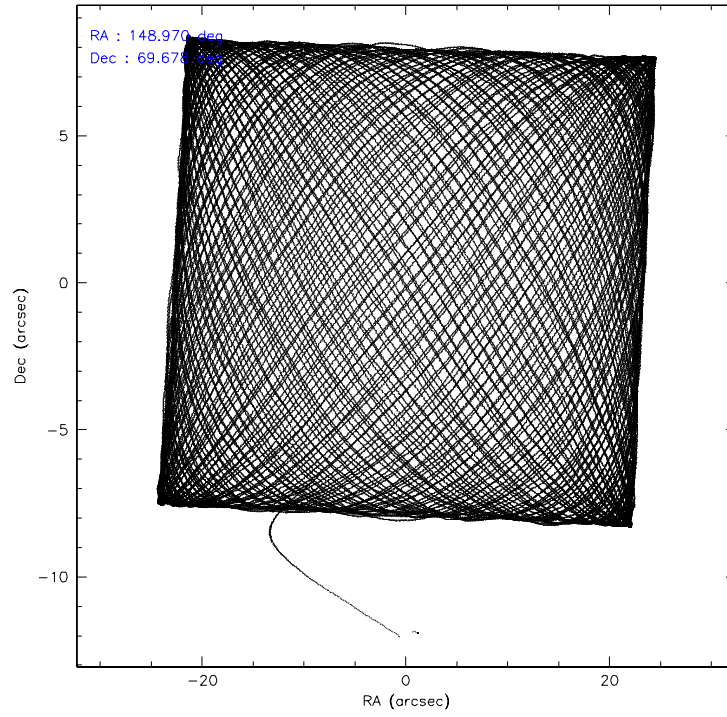
	ccd 7
level 1 events	357549
rejected events	70536
rejected %	19%

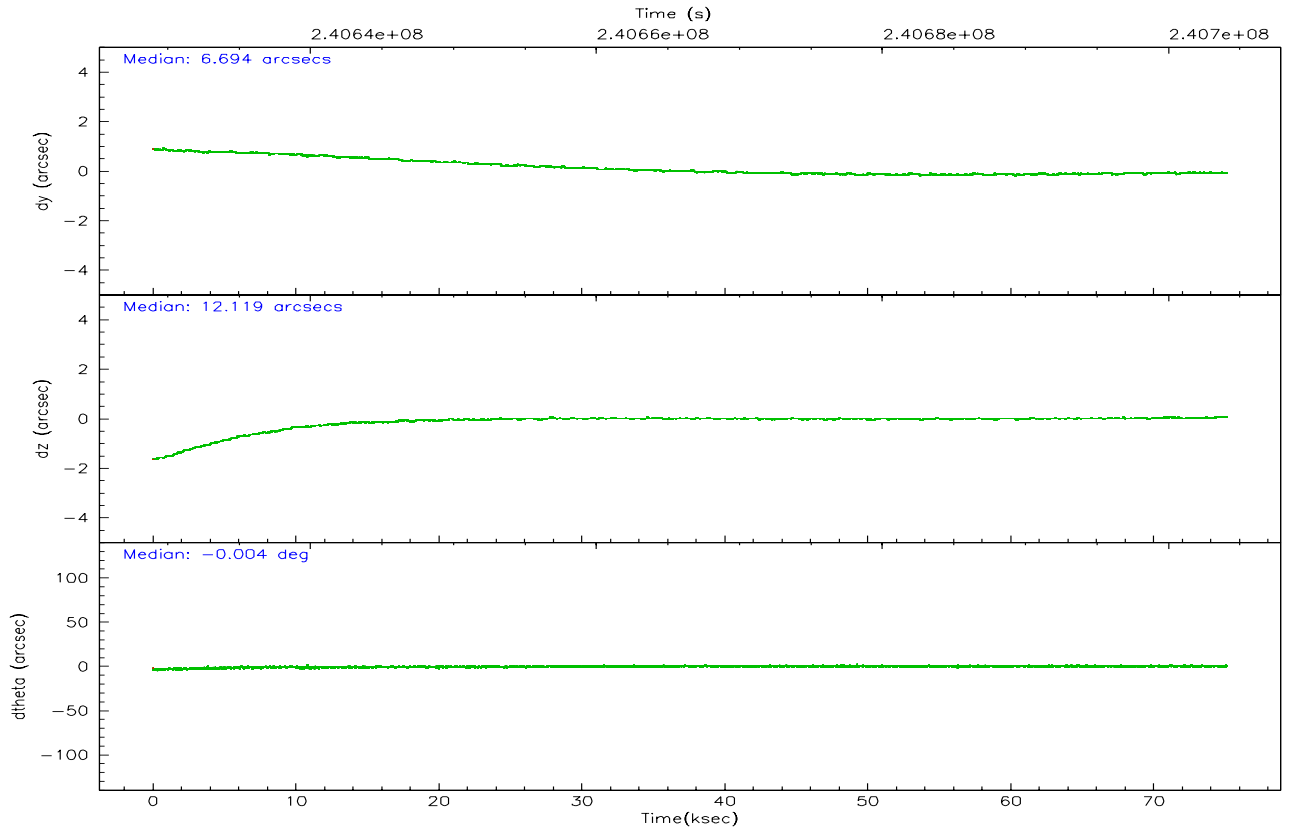
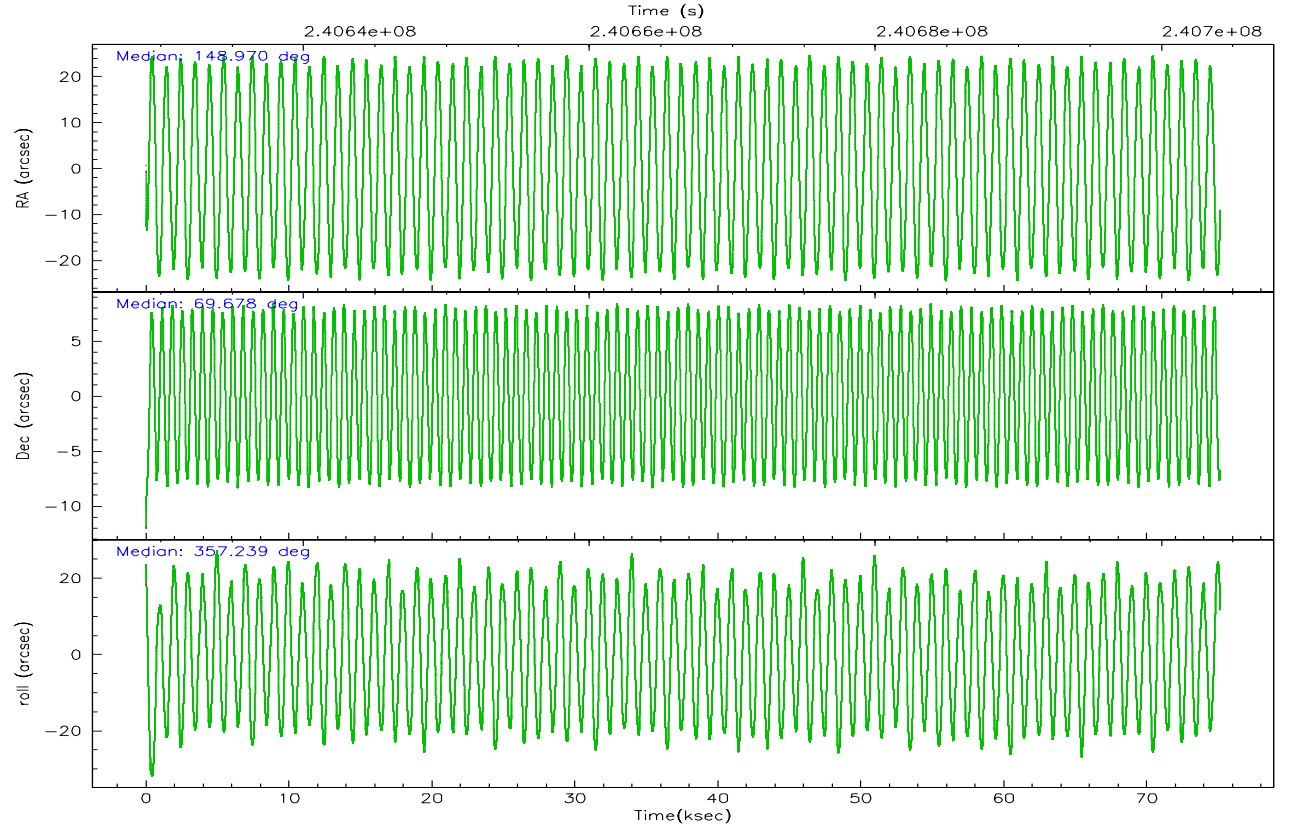
	ccd 7
grade 0 events	59733
	16%
grade 1 events	590
	0%
grade 2 events	76261
	21%
grade 3 events	31640
	8%
grade 4 events	30833
	8%
grade 5 events	11209
	3%
grade 6 events	90077
	25%
grade 7 events	57206
	15%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	148.901326	148.9704423116233	Subarray start row	0	449
Pointing Dec	69.665040	69.67784846097877	Subarray row count	1024	128
Pointing Roll	357.154243	357.2460548778932	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
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	240629114.184000	240627254.64555			
Observation start date	2005-08-17T01:24:10	2005-08-17T00:54:14			
Observation end time	240704114.184000	240705777.33665			
Observation end date	2005-08-17T22:14:10	2005-08-17T22:42:57			
Read mode	TIMED	TIMED			

2.3 Aspect



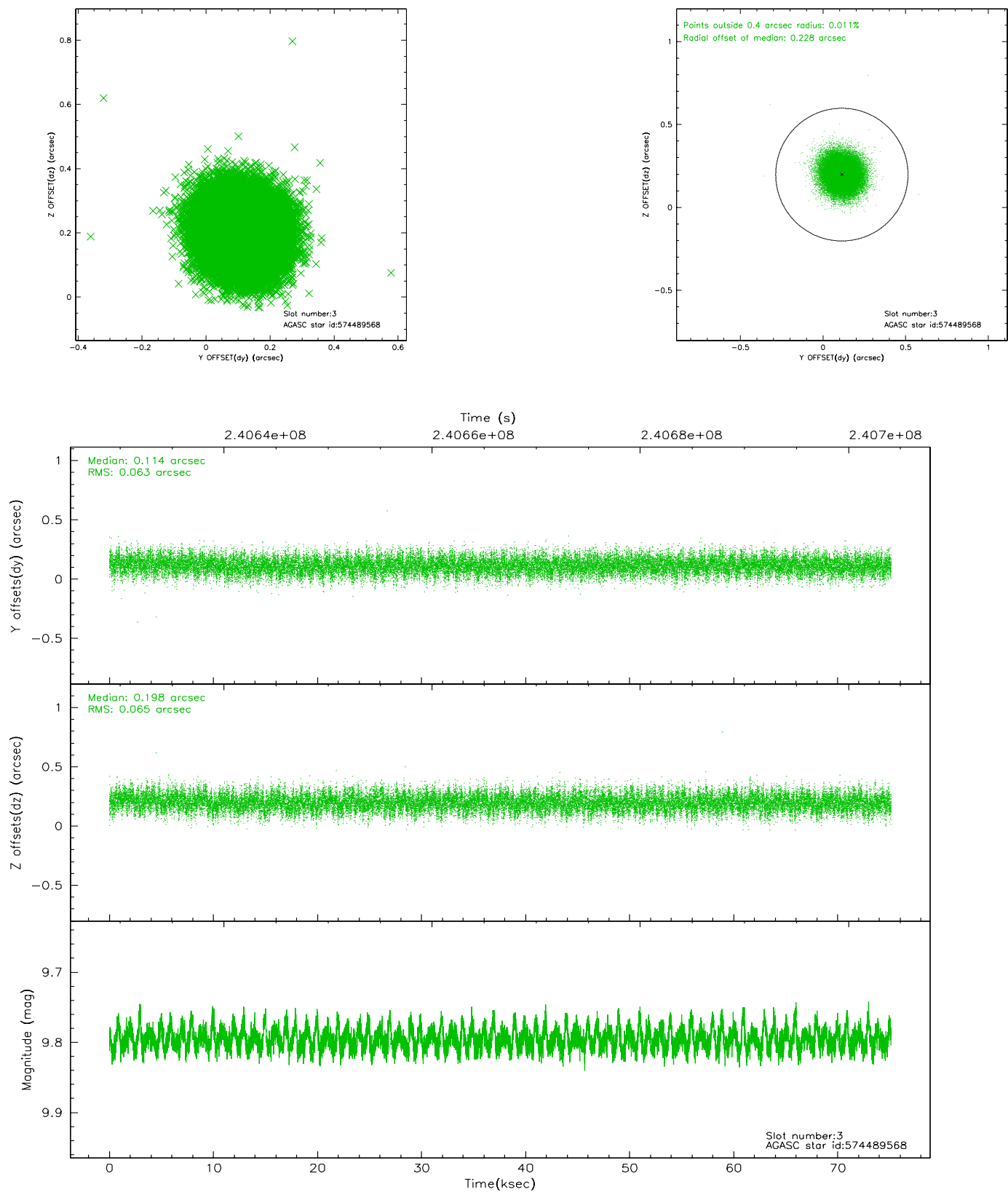


Slot Statistics

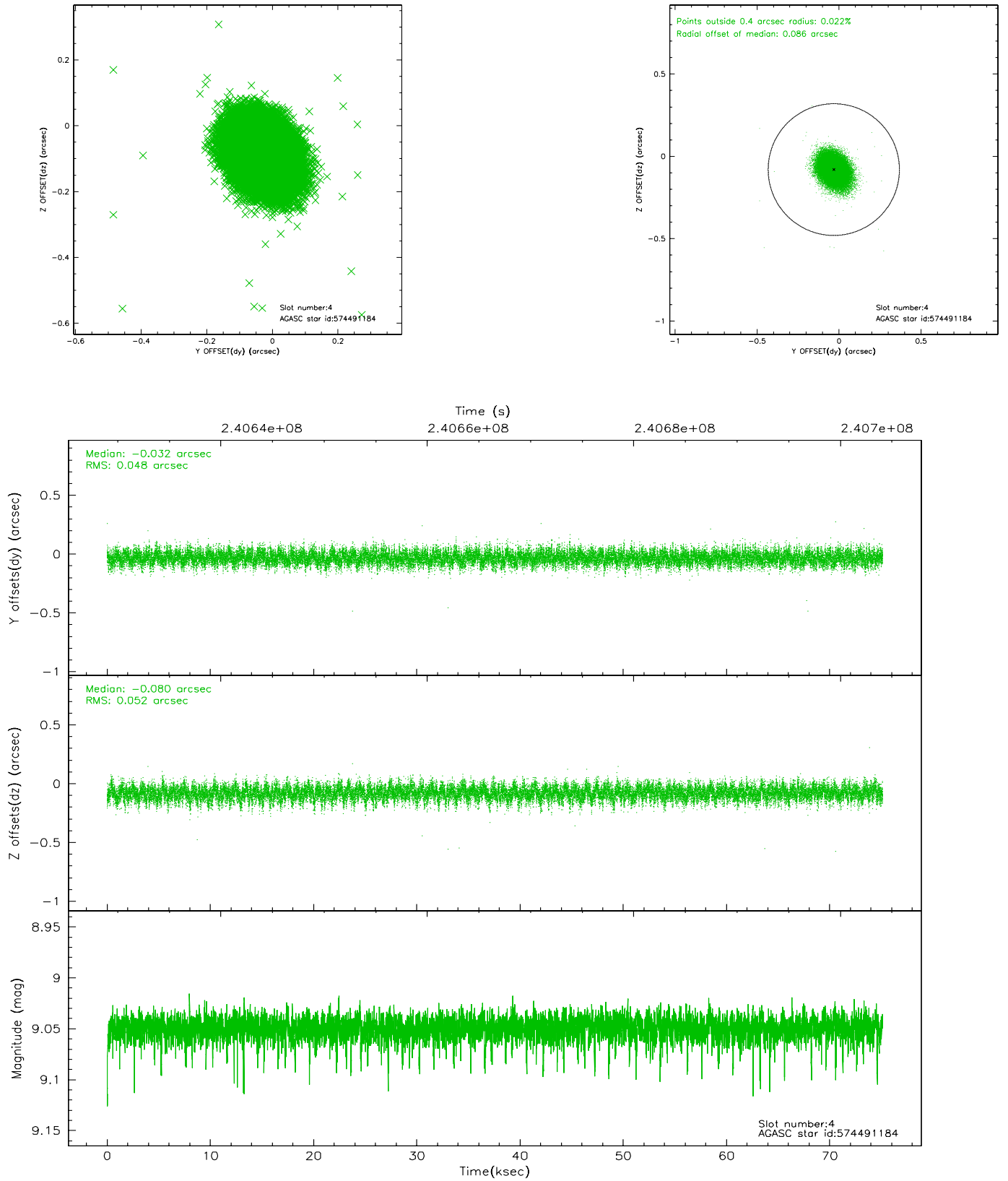
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	18325	0.016	-0.055	0.009	0.017	0.000000	0.000000	936.39	-1728.99
1	FID	ACIS-S-2	7.10	18325	-0.037	0.018	0.008	0.016	0.000000	0.000000	-759.60	-1733.35
2	FID	ACIS-S-4	7.20	18324	-0.005	0.043	0.008	0.018	0.000000	0.000000	2153.70	175.30
3	GUIDE	574489568	9.80	36619	0.114	0.198	0.097	0.156	147.223974	69.438157	-2078.30	-891.96
4	GUIDE	574491184	9.05	36523	-0.032	-0.080	0.074	0.122	148.582453	69.768699	-414.86	354.01
5	GUIDE	574491280	9.35	36615	0.014	0.087	0.124	0.191	148.611567	69.450135	-327.59	-790.43
6	GUIDE	574491872	9.24	36632	0.054	-0.077	0.094	0.151	147.207613	69.765453	-2125.16	283.48
7	GUIDE	574886464	9.79	36619	-0.141	-0.128	0.152	0.242	149.898674	70.203982	1117.54	2008.26

2.4 Star Slots

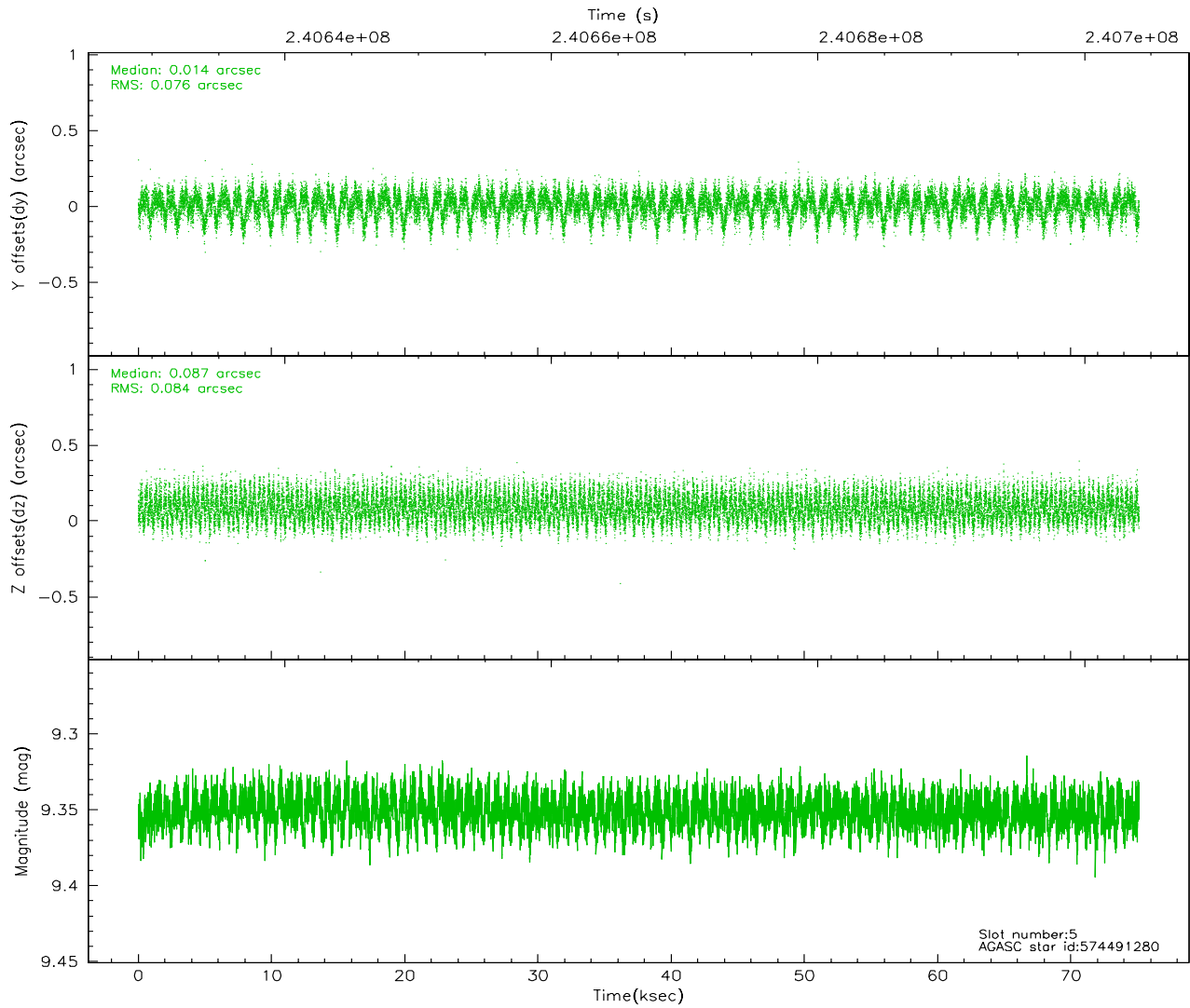
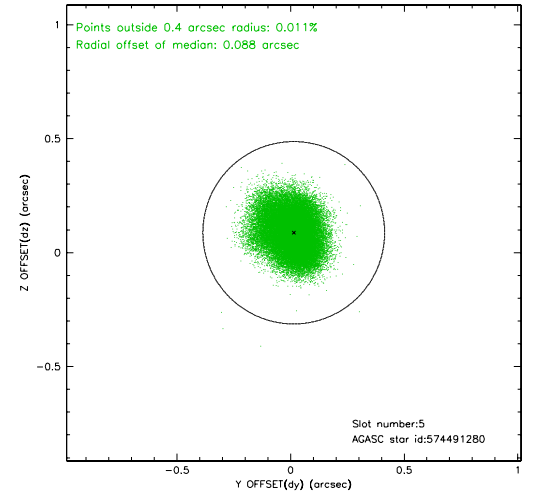
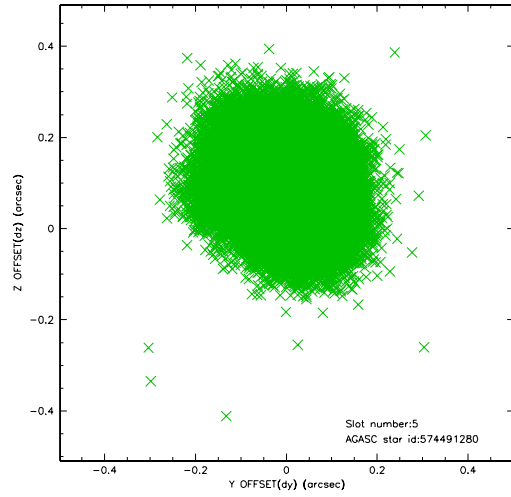
2.4.1 Slot 3



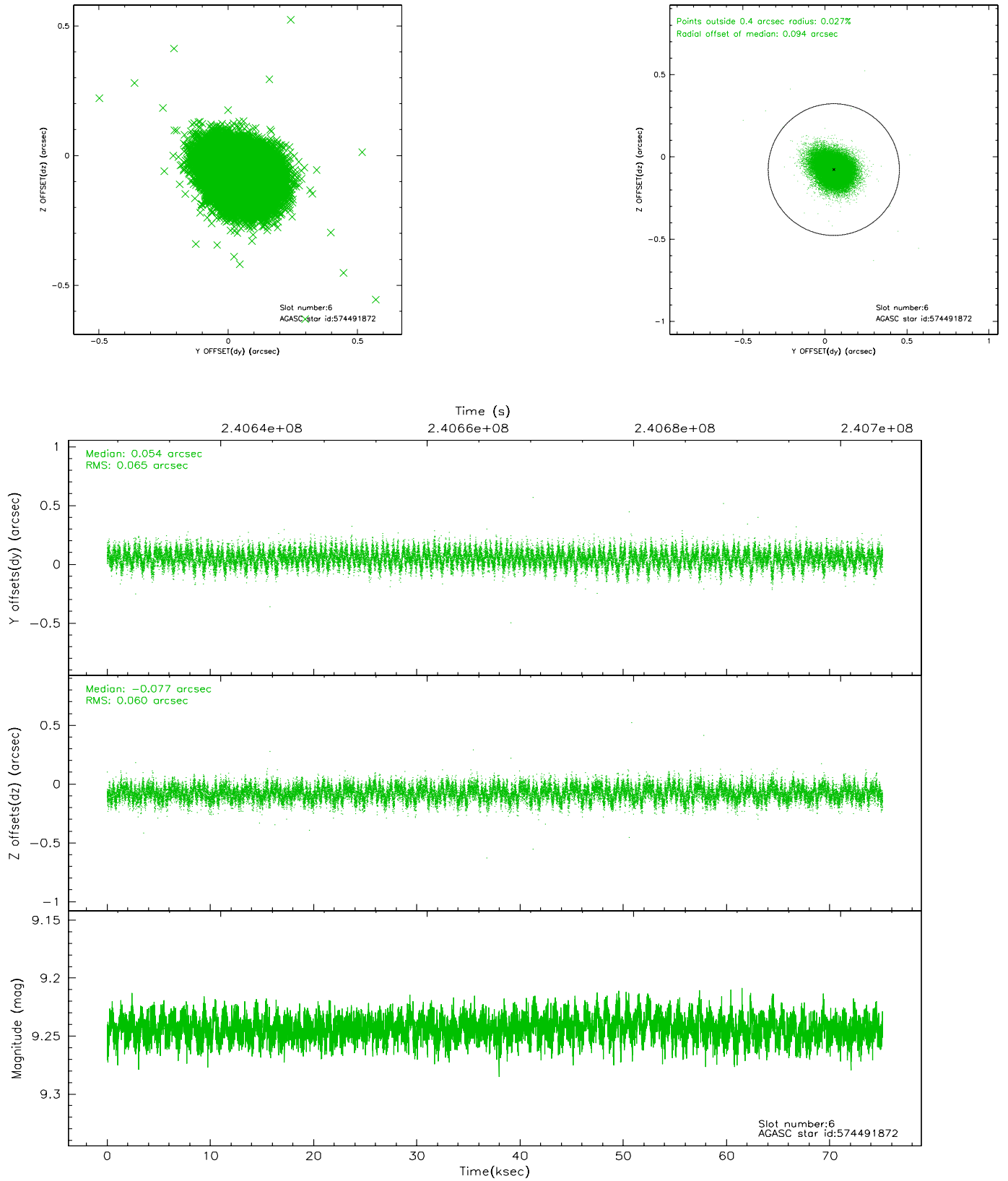
2.4.2 Slot 4



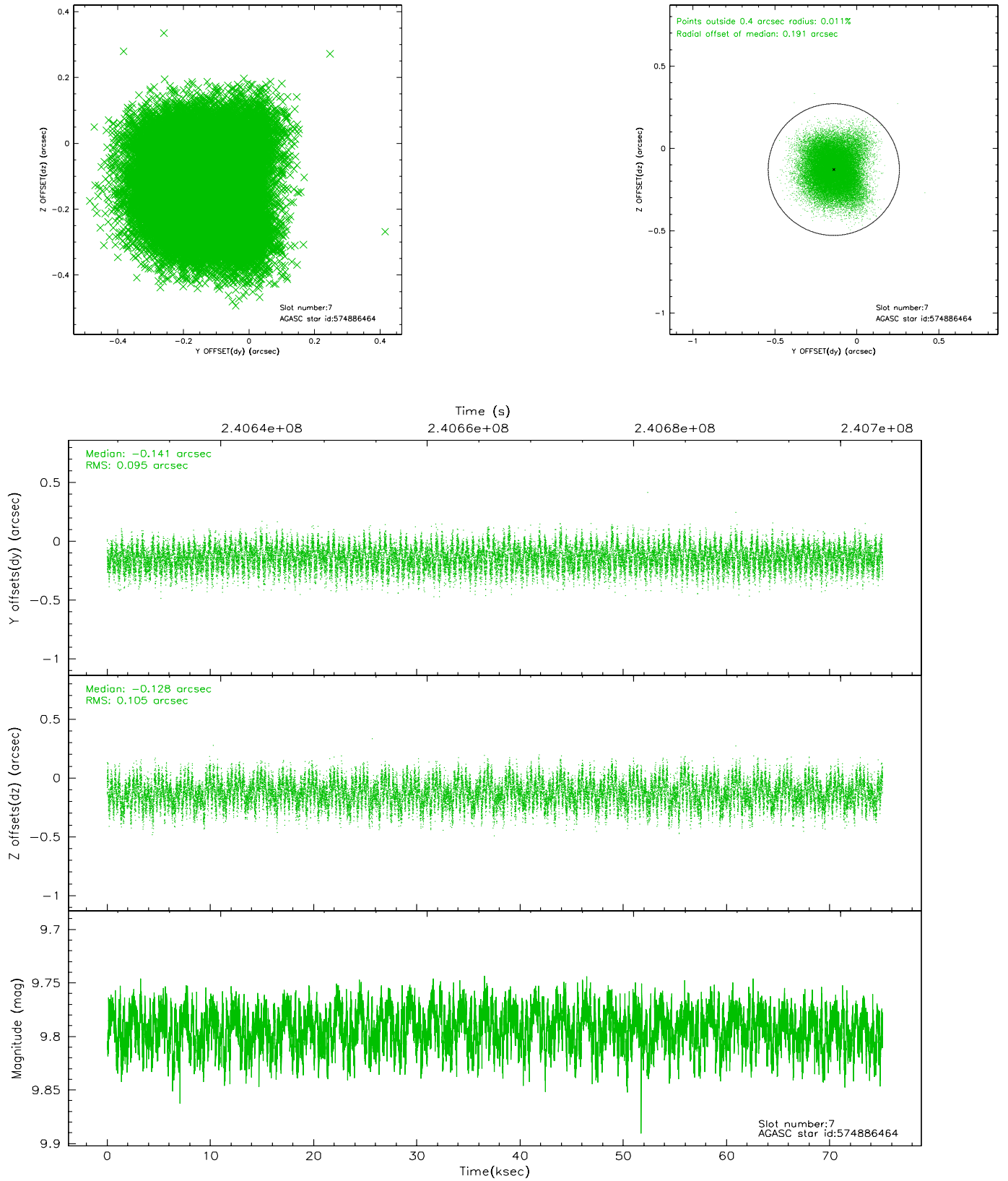
2.4.3 Slot 5



2.4.4 Slot 6

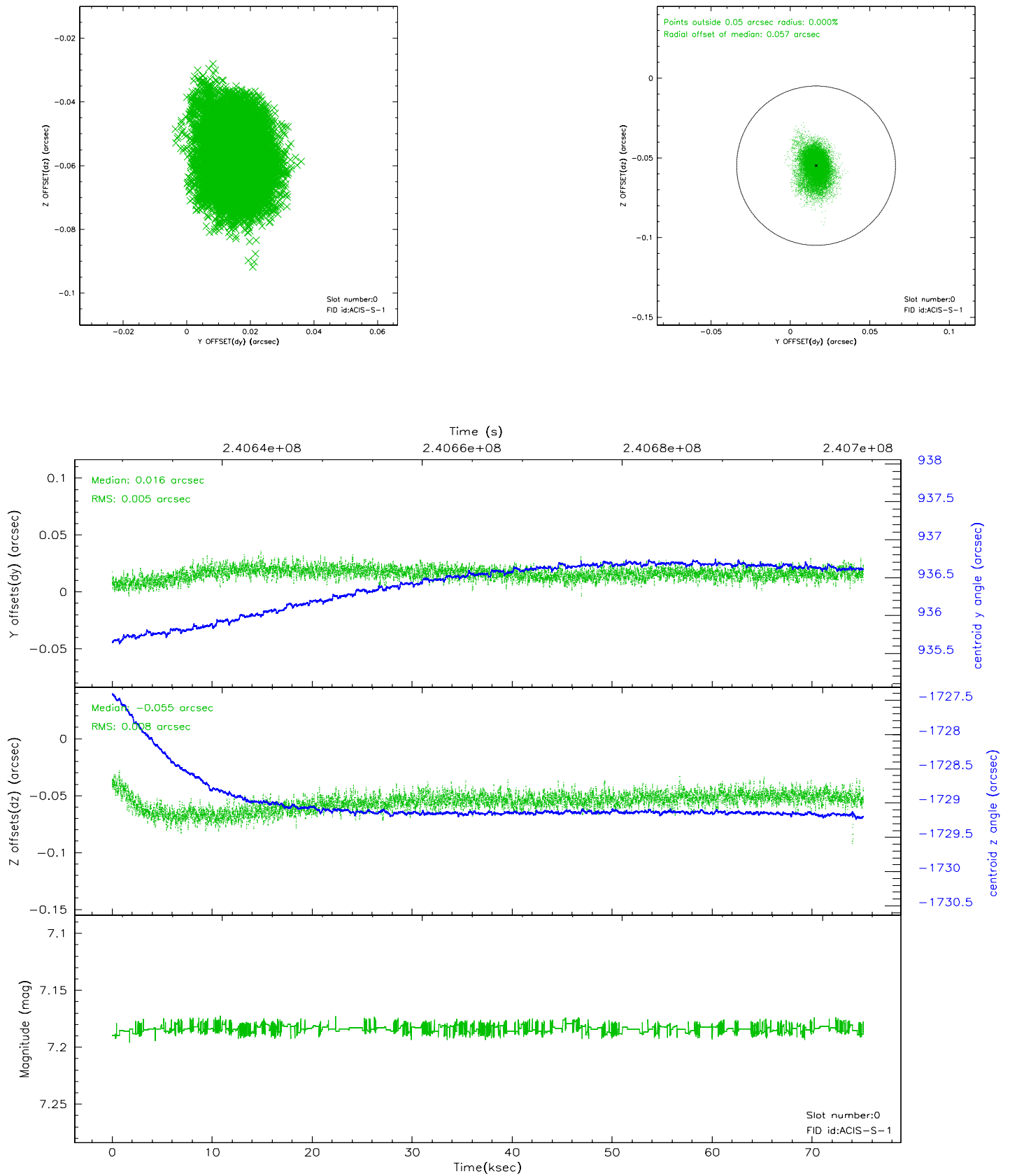


2.4.5 Slot 7

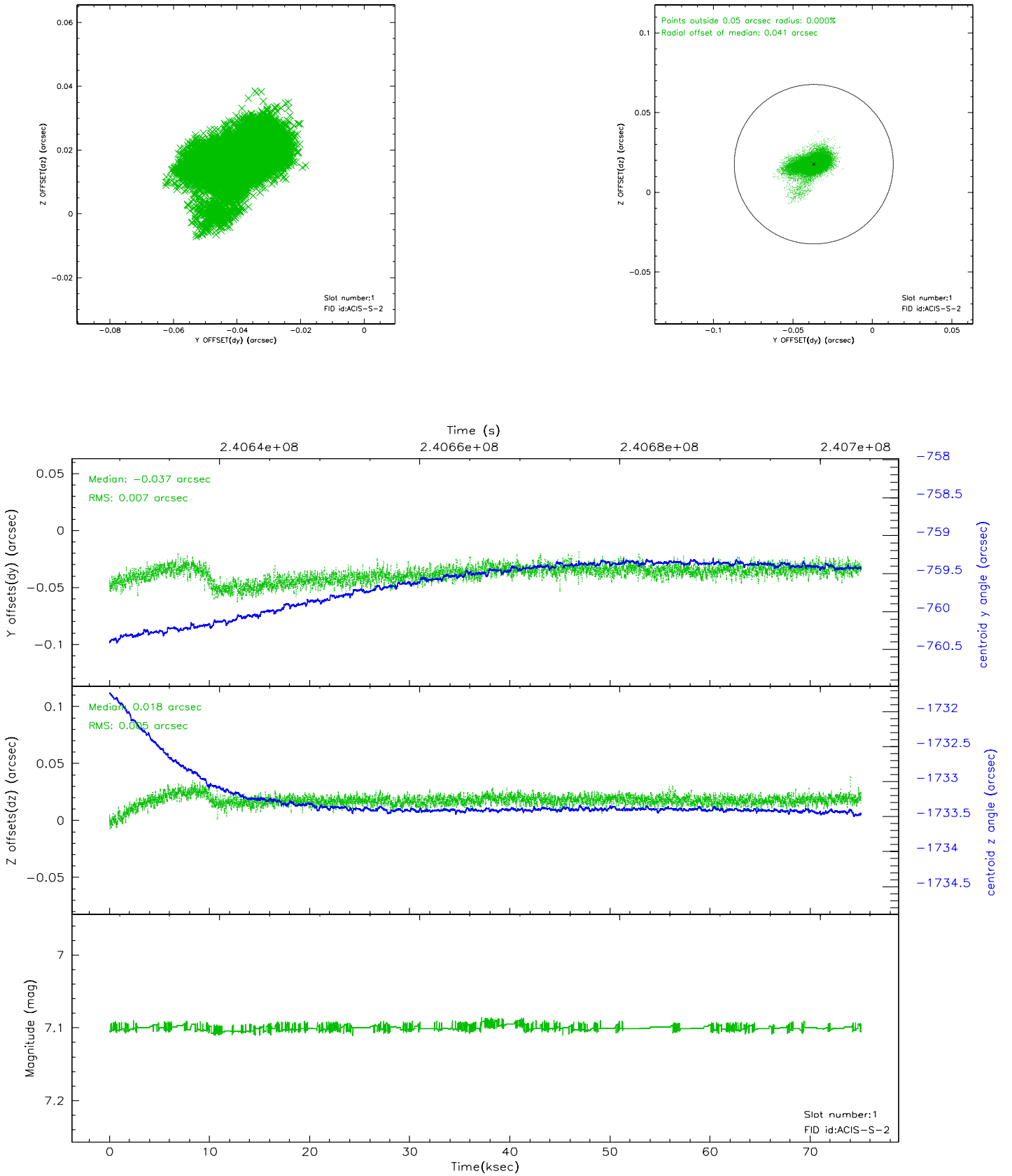


2.5 FID Slots

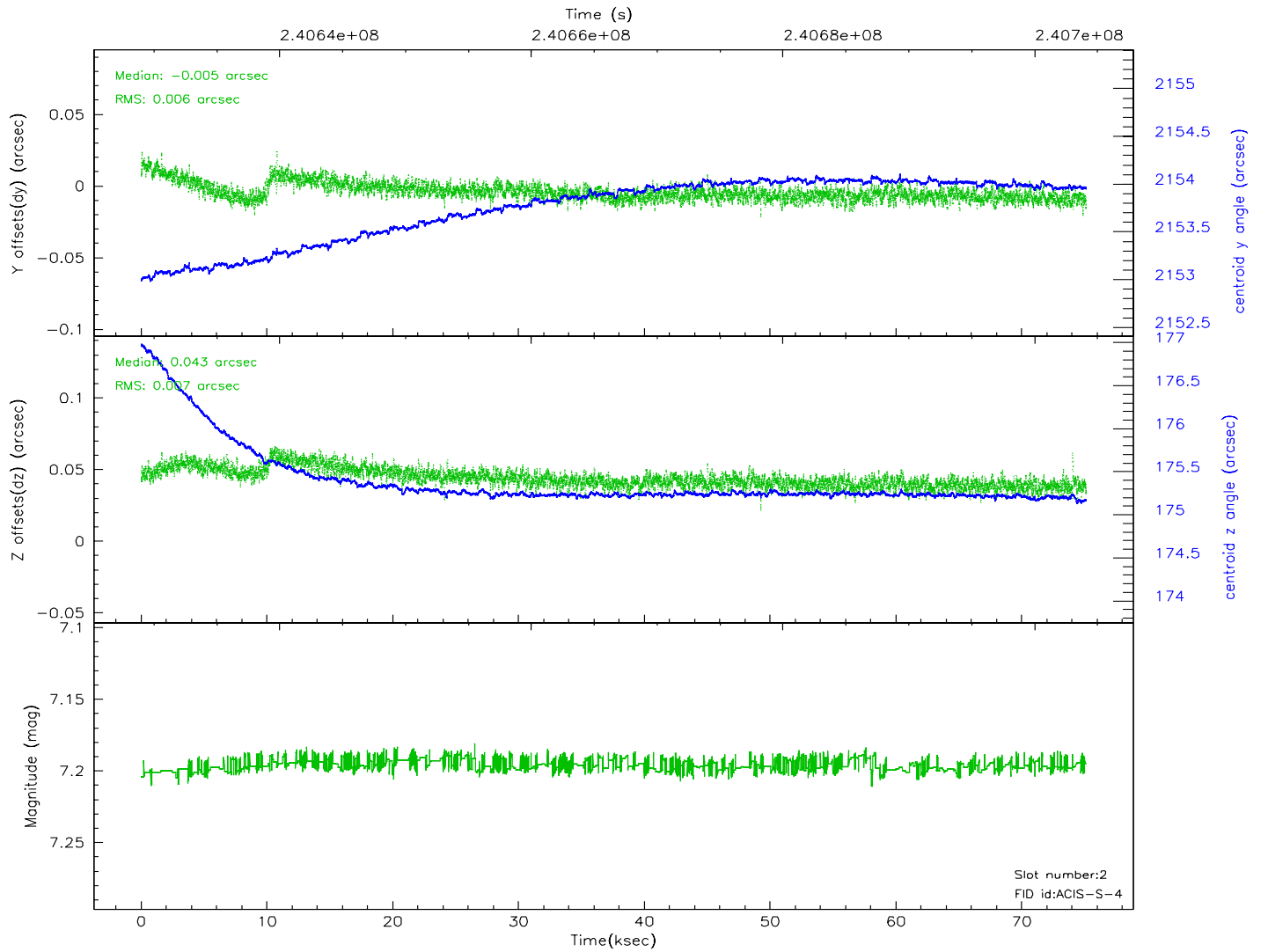
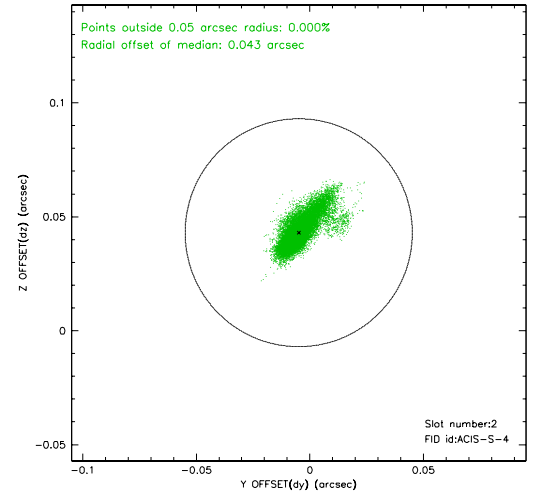
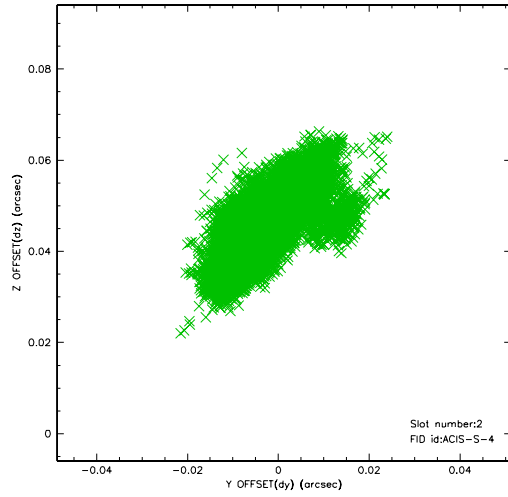
2.5.1 Slot 0



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)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	75.1312

A.2 Comments

There are several possible background enhancements due to radiation during the first 20 ksec of the observation. The only one that causes a noticeable enhancement to the count rate occurs at about 2 ksec into the observation. Focal Plane temperature drops by 3 degrees during the first ~10 ksec of the observation. The aspect solution is still within spec.