

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4452 - L2 Version 001
Chandra X-Ray Center

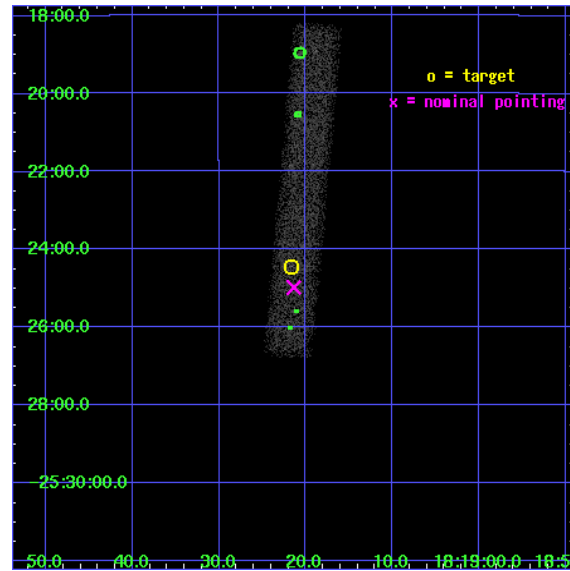
L2 Processing Date : Apr 26 2006

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1 Front

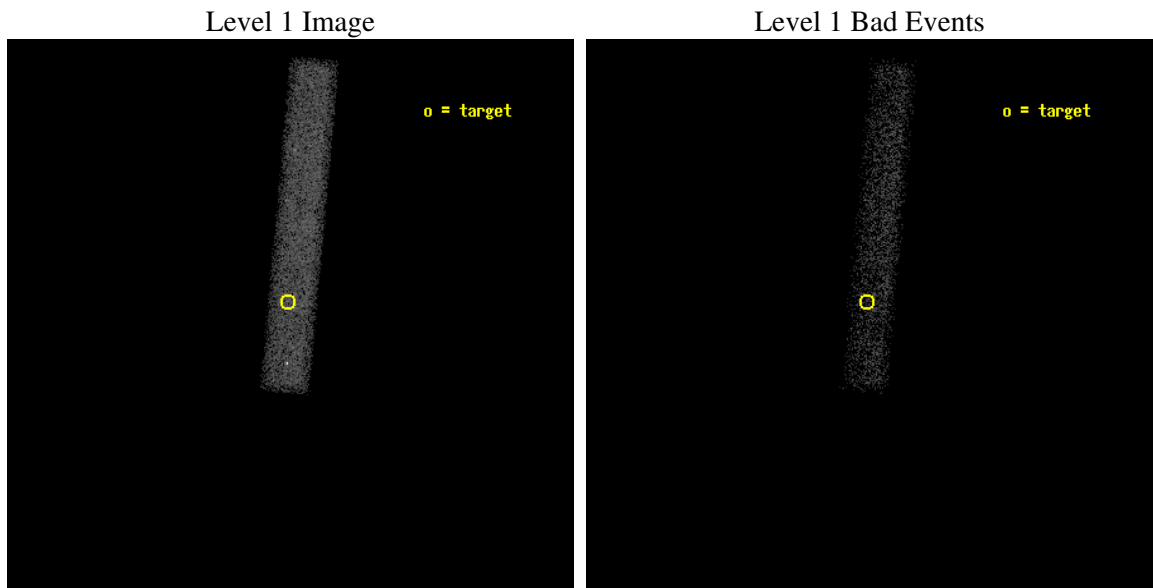
seq_num	400329
obs_id	4452
title	Following a black hole candidate soft X-ray transient returning to quiescence
observer	Dr Peter Jonker
object	V 4641 Sgr
dtcycle	0
cycle	P
ra_targ	274.84
dec_targ	-25.407167
ra_nom	274.83907160968
dec_nom	-25.416273706832
roll_nom	275.22163339618
revision	2
ontime	20160.800300419
livetime	18284.781698186
ontime7	20160.800300419
l2events	11813



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	3
ascdsver	7.6.7.2
caldbver	3.2.1
date	2006-04-26T10:33:47
revision	2

sched_exp_time	20000.000000
ontime	21077.086317062
ontime7	21077.086317062
l1events	27664

2.1.4 Events

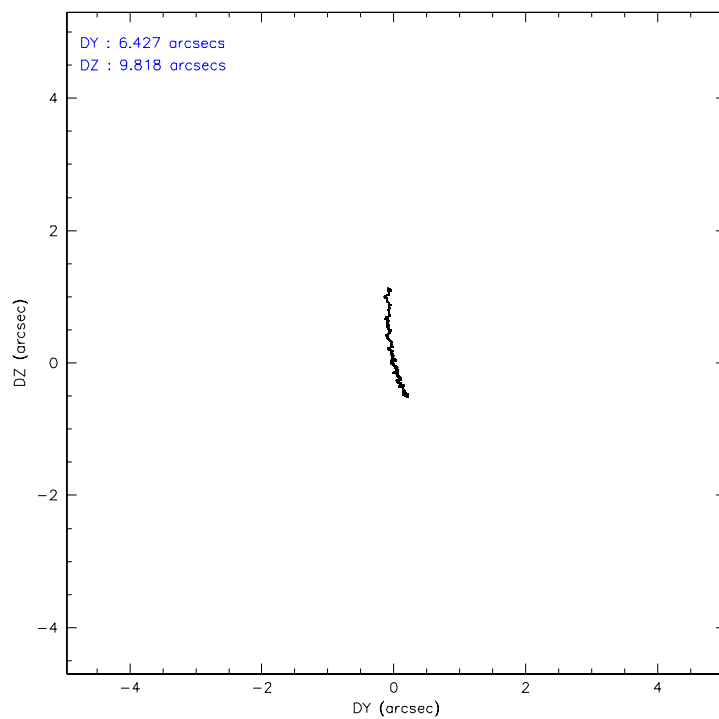
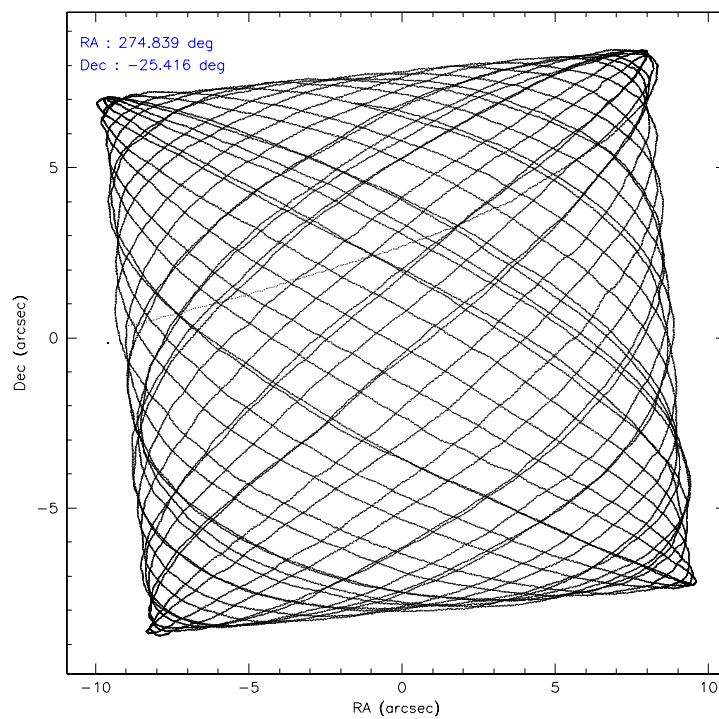
	ccd 7
level 1 events	27664
rejected events	15396
rejected %	55%

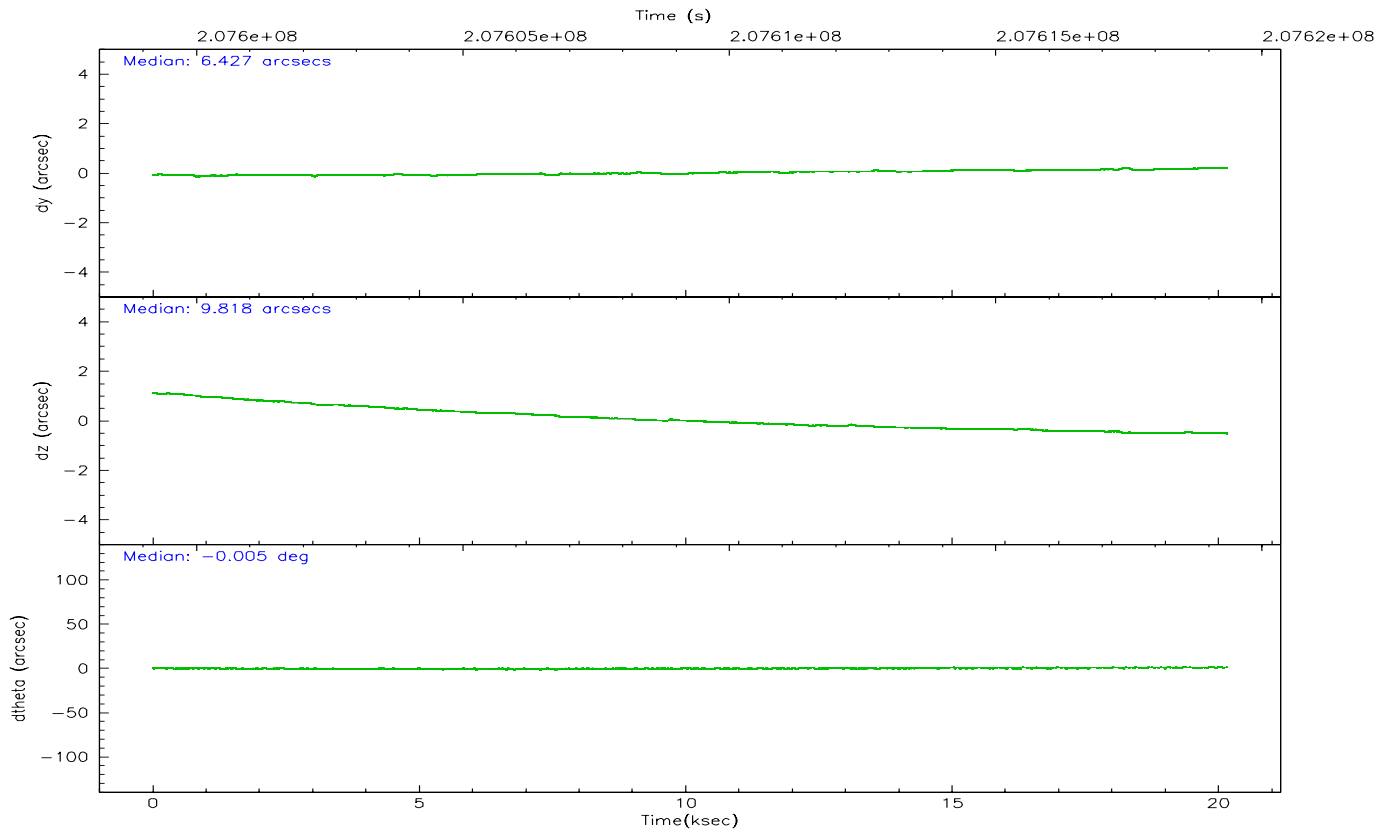
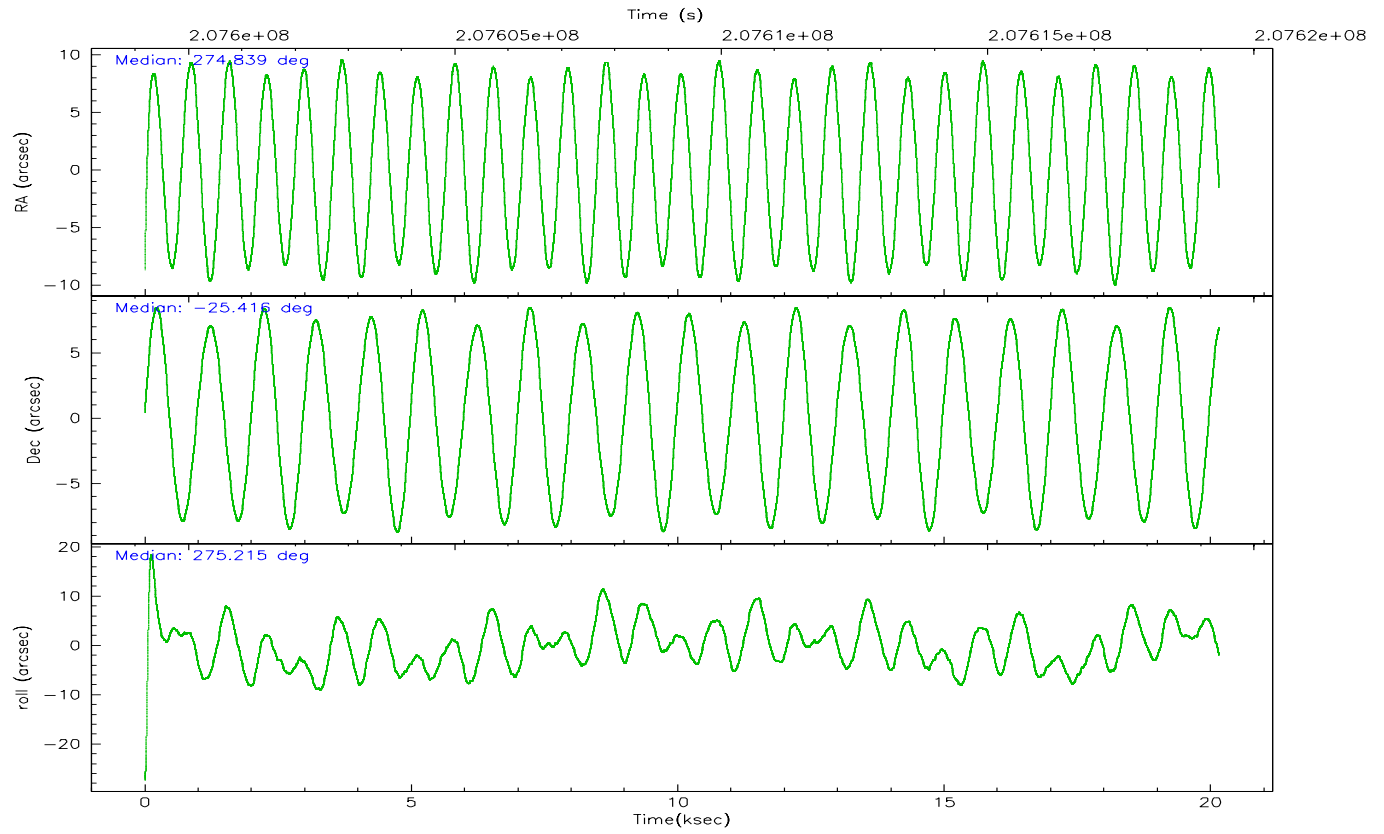
	ccd 7
grade 0 events	1143
	4%
grade 1 events	23
	0%
grade 2 events	2982
	10%
grade 3 events	1332
	4%
grade 4 events	1308
	4%
grade 5 events	1821
	6%
grade 6 events	6029
	21%
grade 7 events	13026
	47%

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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	274.821322	274.8390716096775	Subarray start row	0	449
Pointing Dec	-25.394271	-25.41627370683209	Subarray row count	1024	128
Pointing Roll	275.057409	275.2216333961826	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	207599349.184000	207598272.25309			
Observation start date	2004-07-30T18:28:05	2004-07-30T18:11:12			
Observation end time	207619349.184000	207619789.05405			
Observation end date	2004-07-31T00:01:25	2004-07-31T00:09:49			
Read mode	TIMED	TIMED			

2.3 Aspect



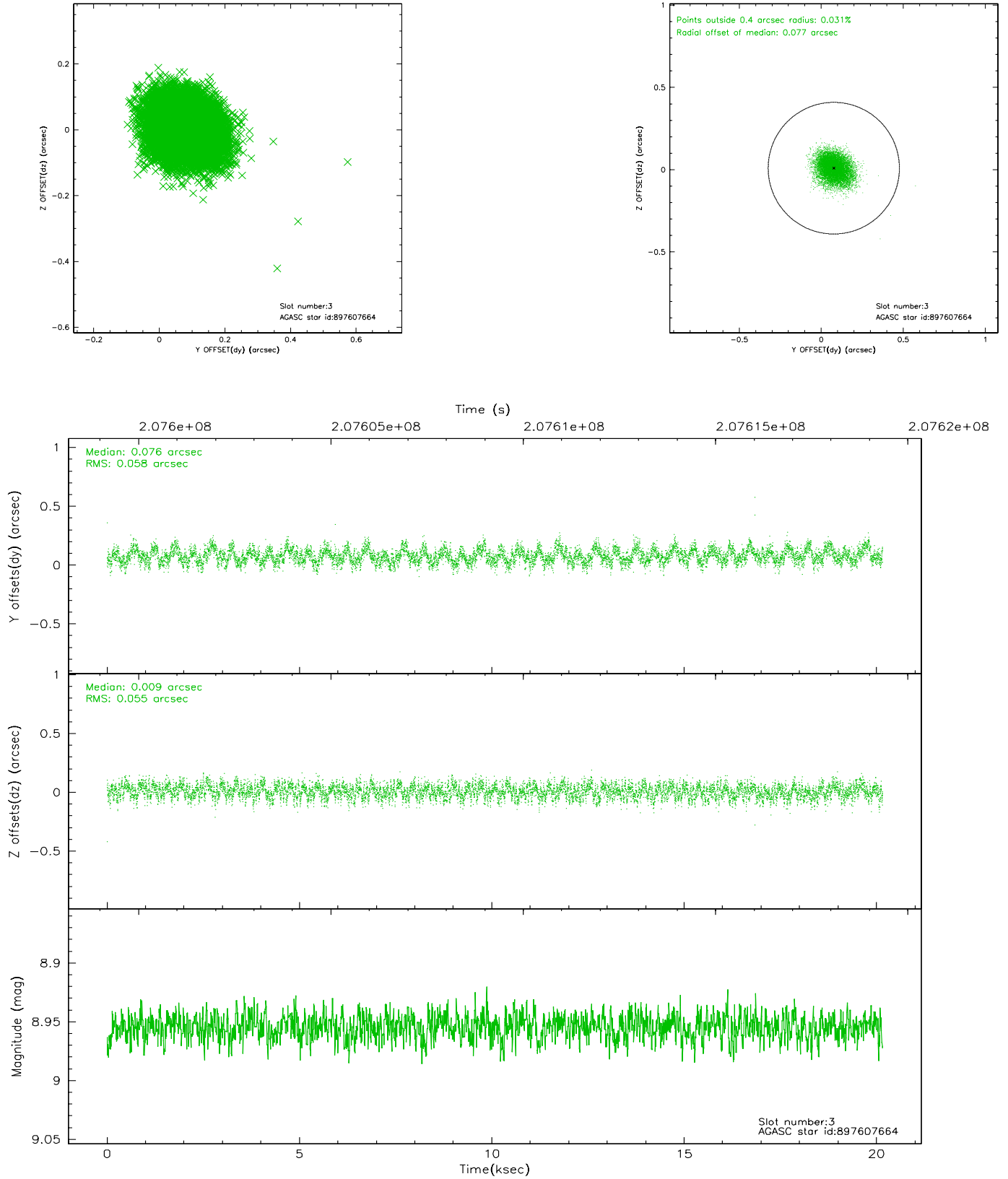


Slot Statistics

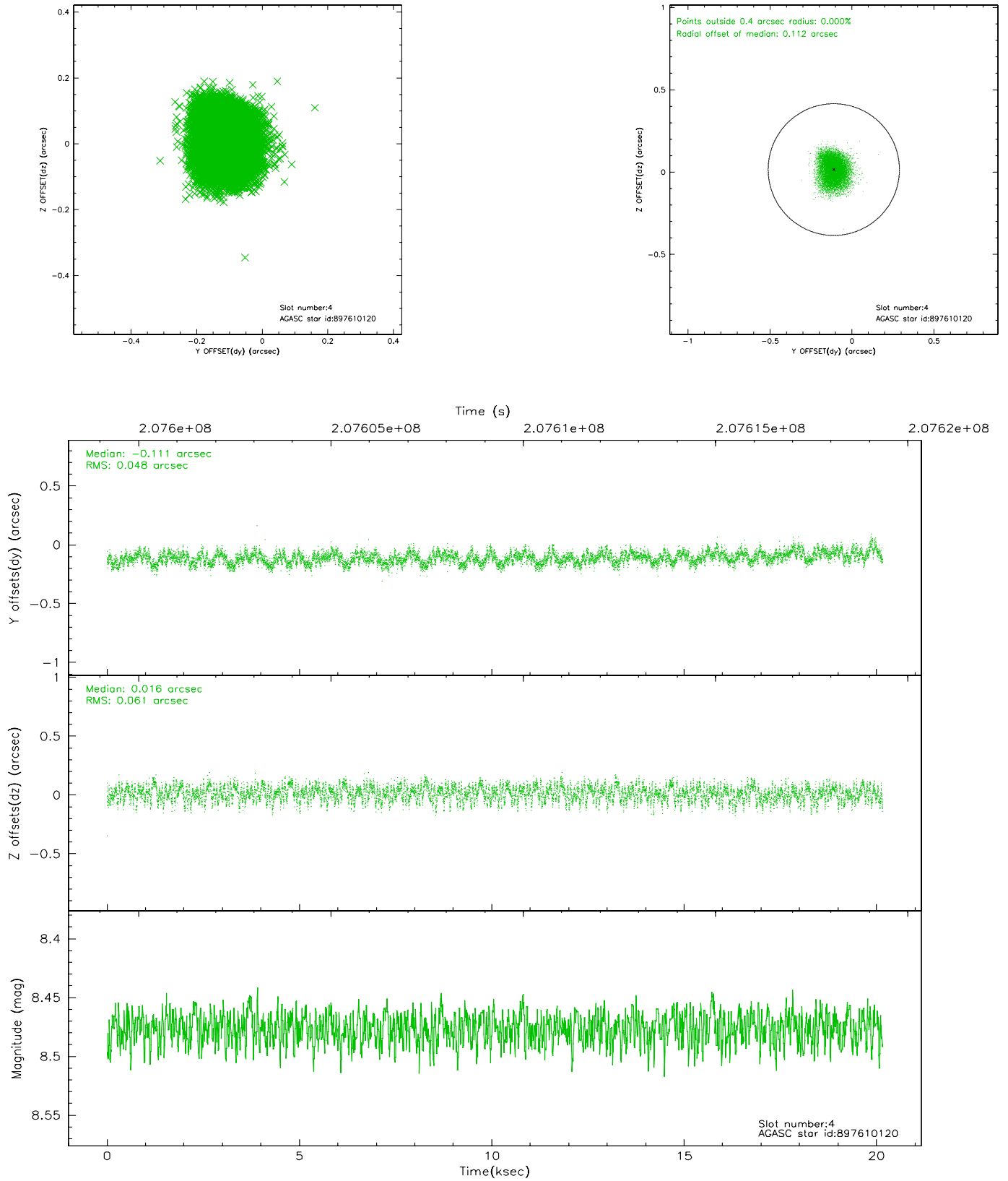
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4917	-0.053	-0.015	0.013	0.020	0.000000	0.000000	-759.21	-1731.18
1	FID	ACIS-S-4	7.20	4916	0.053	0.029	0.006	0.011	0.000000	0.000000	2154.06	177.20
2	FID	ACIS-S-5	7.23	4918	-0.032	-0.006	0.013	0.020	0.000000	0.000000	-1811.82	170.98
3	GUIDE	897607664	8.95	9833	0.076	0.009	0.085	0.135	274.763984	-25.327976	-253.42	-164.81
4	GUIDE	897610120	8.48	9831	-0.111	0.016	0.084	0.131	275.375820	-25.427247	280.81	1785.03
5	GUIDE	897614272	8.74	9832	0.040	0.068	0.079	0.123	275.179042	-25.471578	381.47	1133.68
6	BAD	897607632	9.26	9208	0.072	0.008	0.105	0.191	275.528210	-25.239953	-344.29	2341.20
7	GUIDE	897601280	9.68	9828	-0.068	-0.106	0.128	0.200	274.221964	-25.156854	-1018.87	-1870.46

2.4 Star Slots

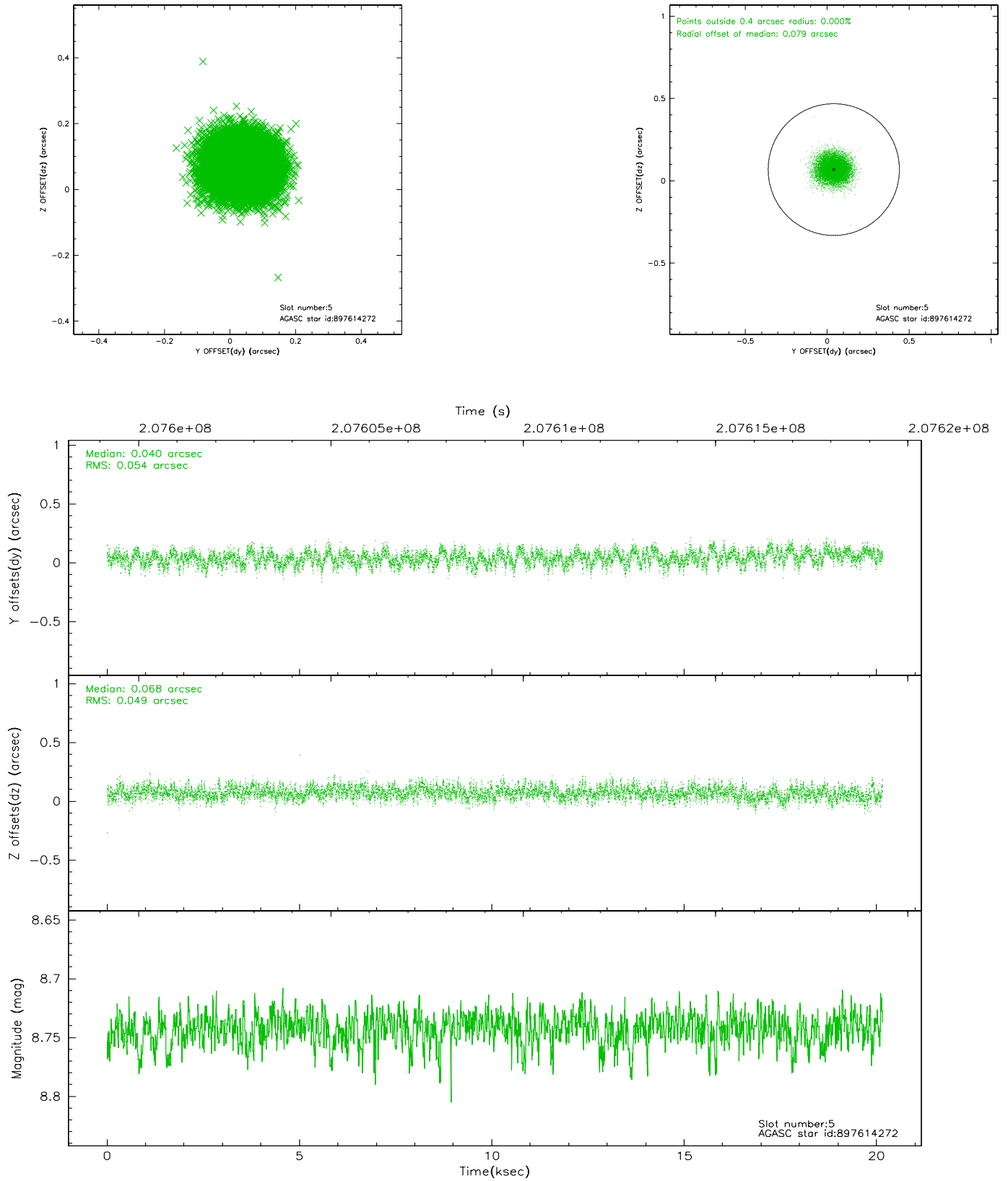
2.4.1 Slot 3



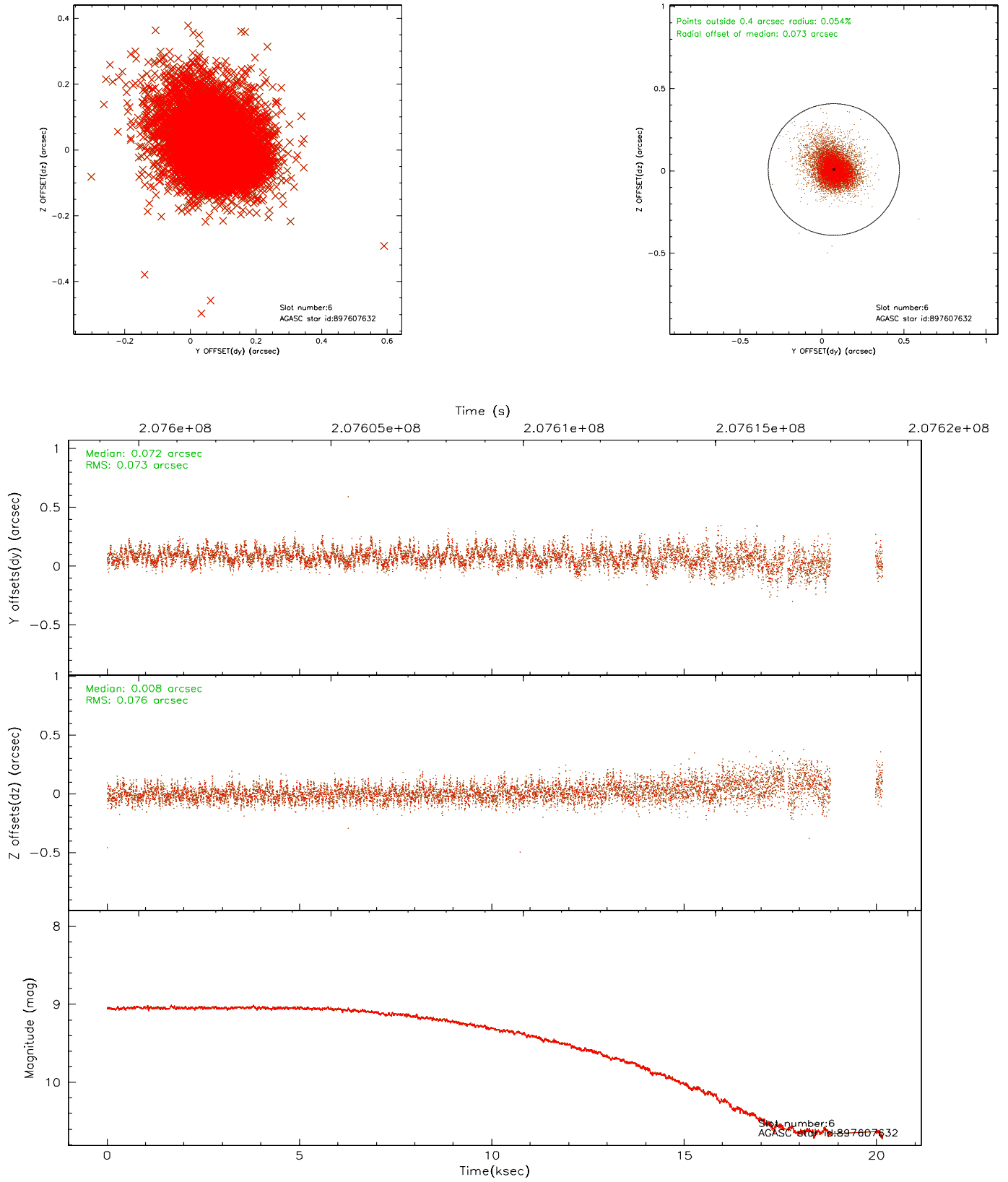
2.4.2 Slot 4



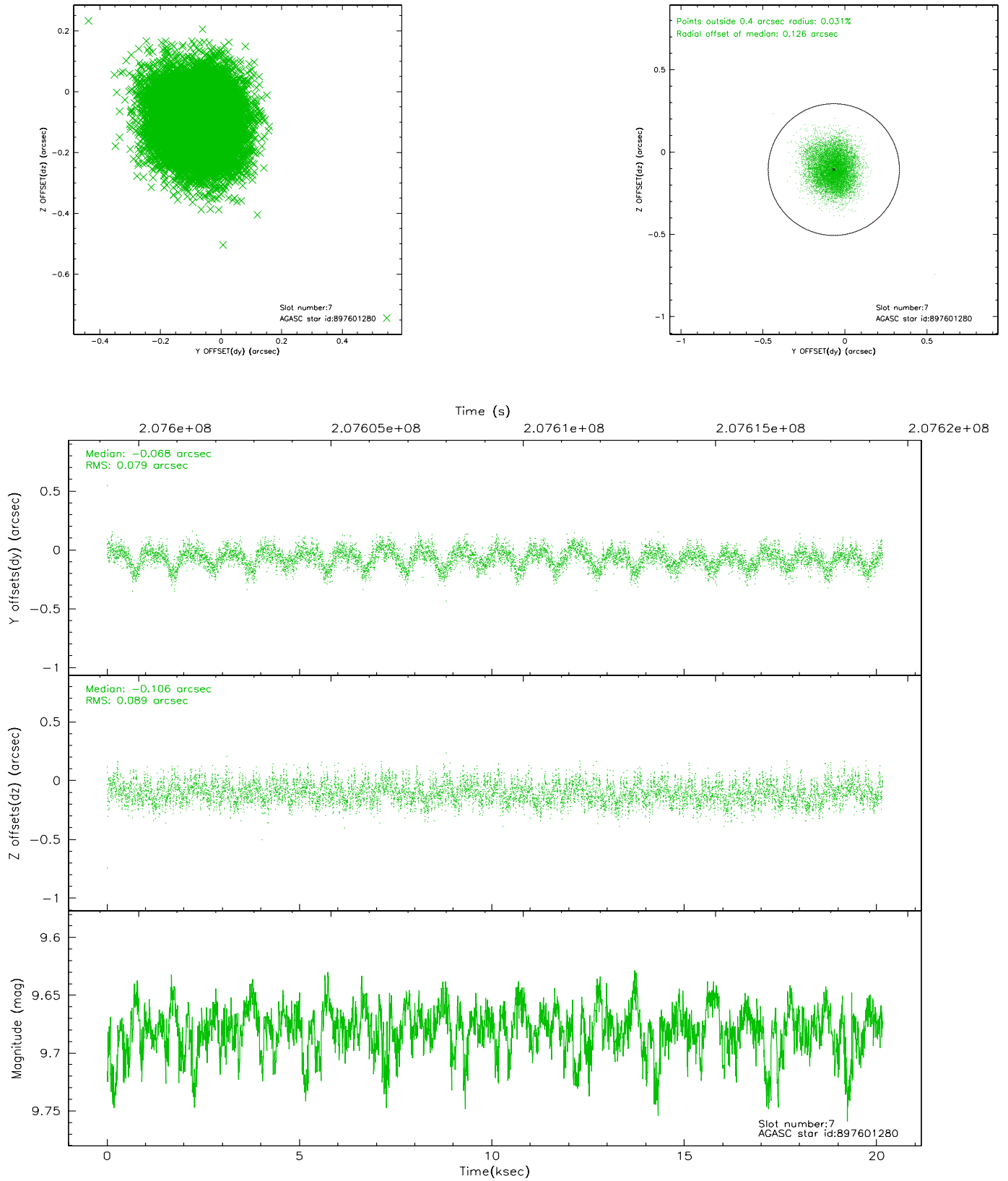
2.4.3 Slot 5



2.4.4 Slot 6

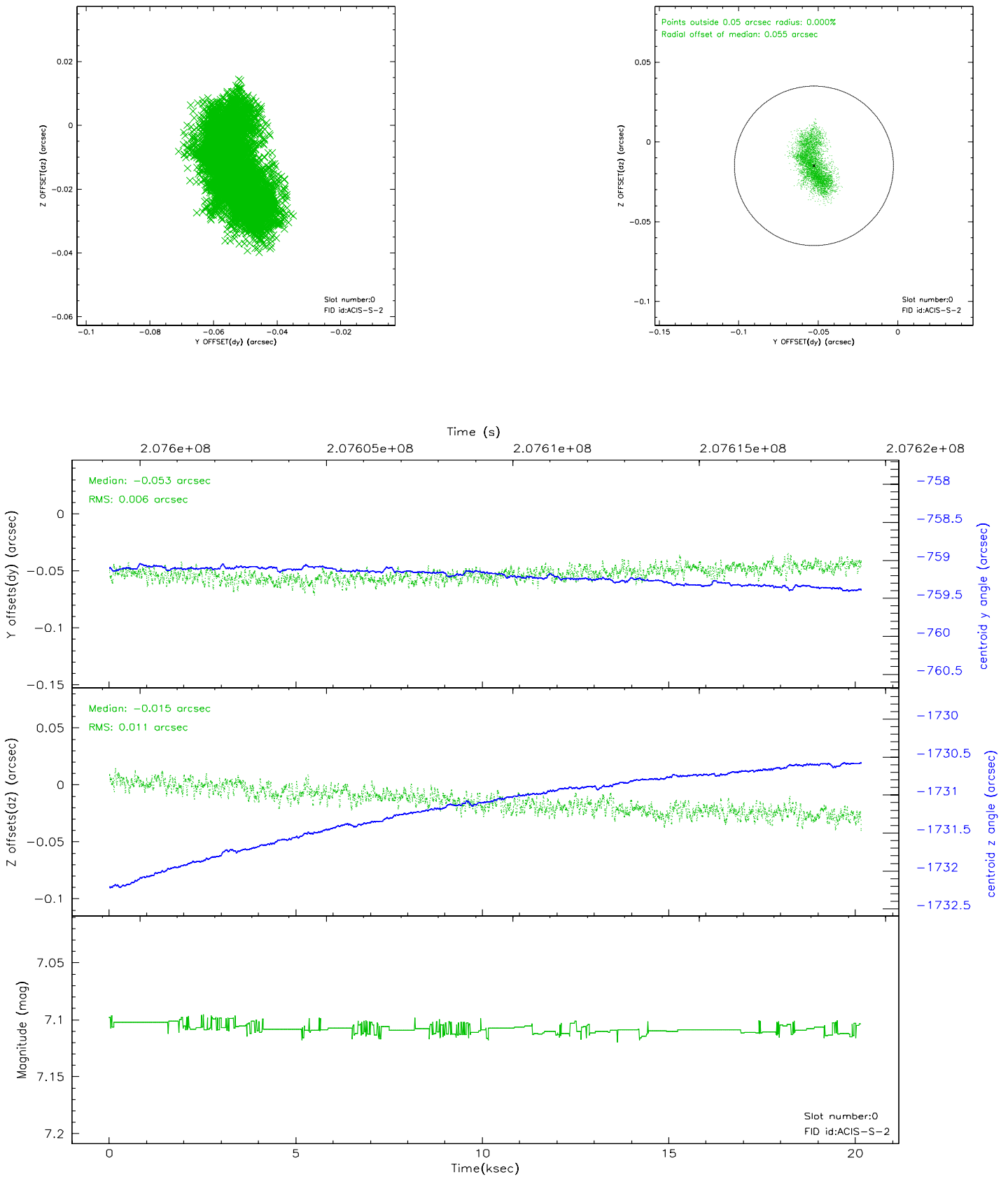


2.4.5 Slot 7

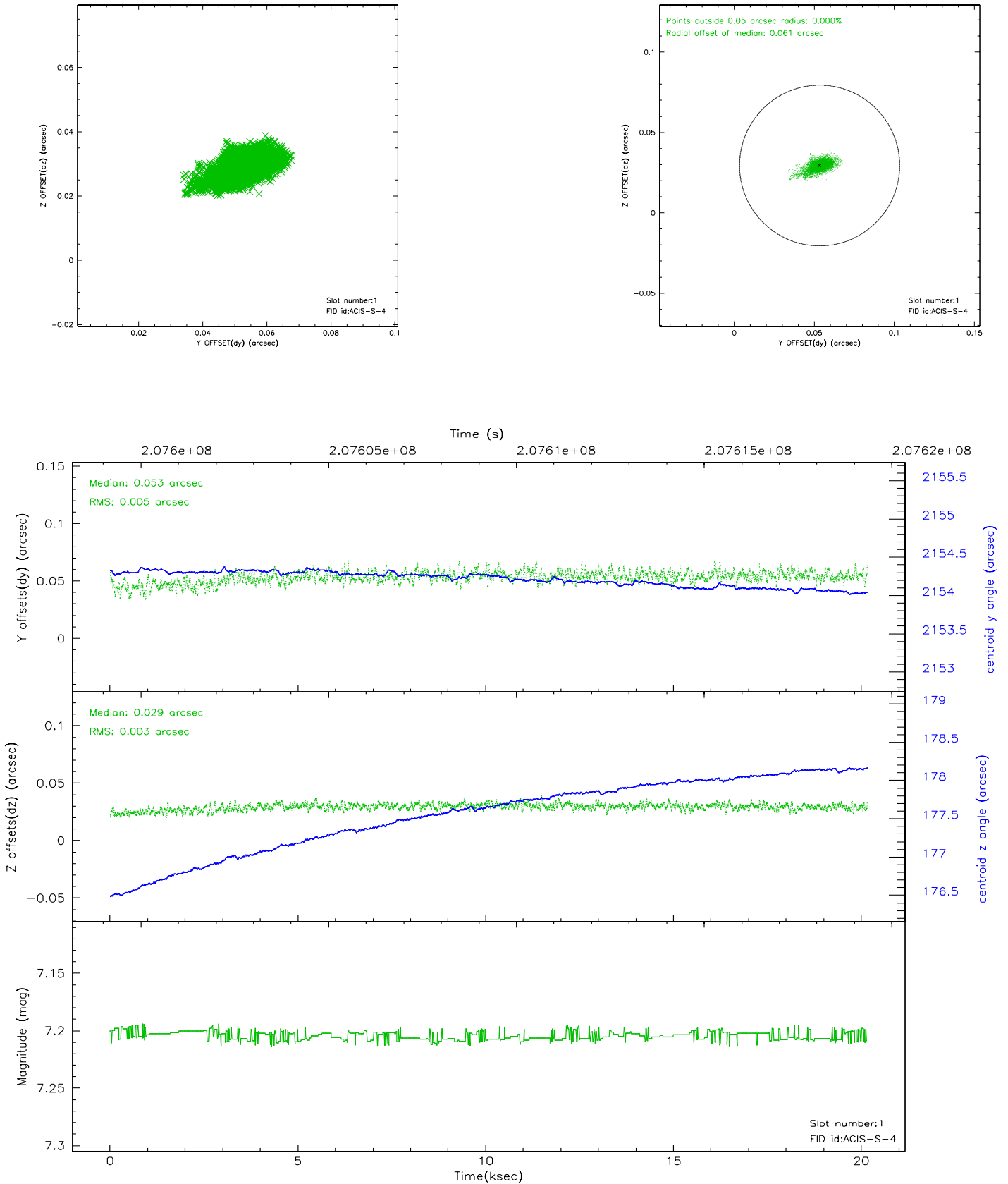


2.5 FID Slots

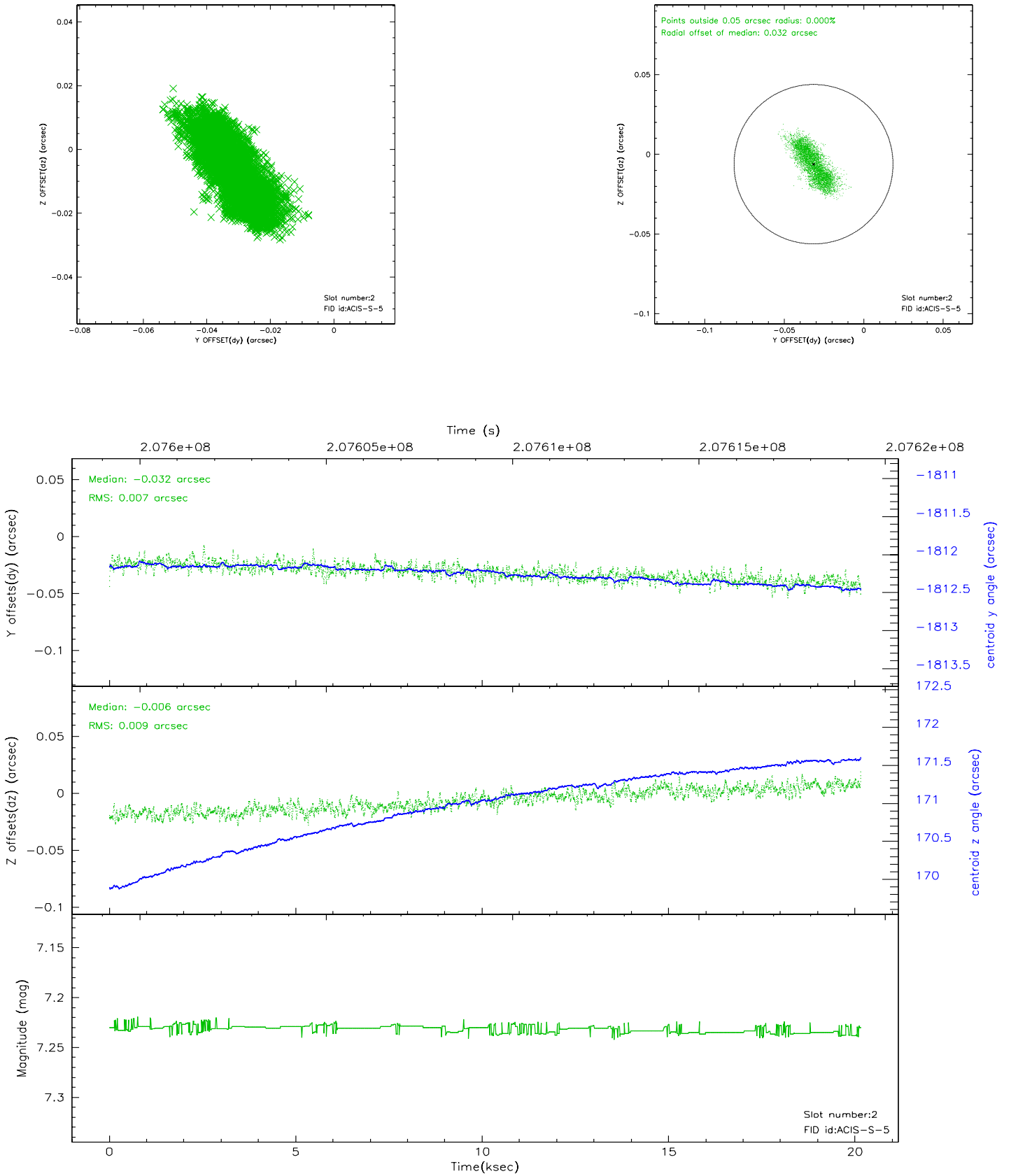
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

4.42 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.16

A.2 Comments

Slot 6 is tracked for only 93% of the observation, and is therefore marked bad and not used in the aspect solution.