

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1959 - L2 Version 001
Chandra X-Ray Center

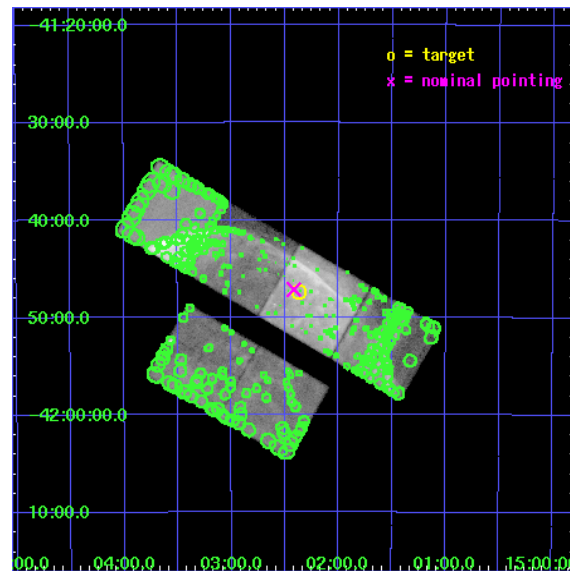
L2 Processing Date : Nov 29 2006

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1 Front

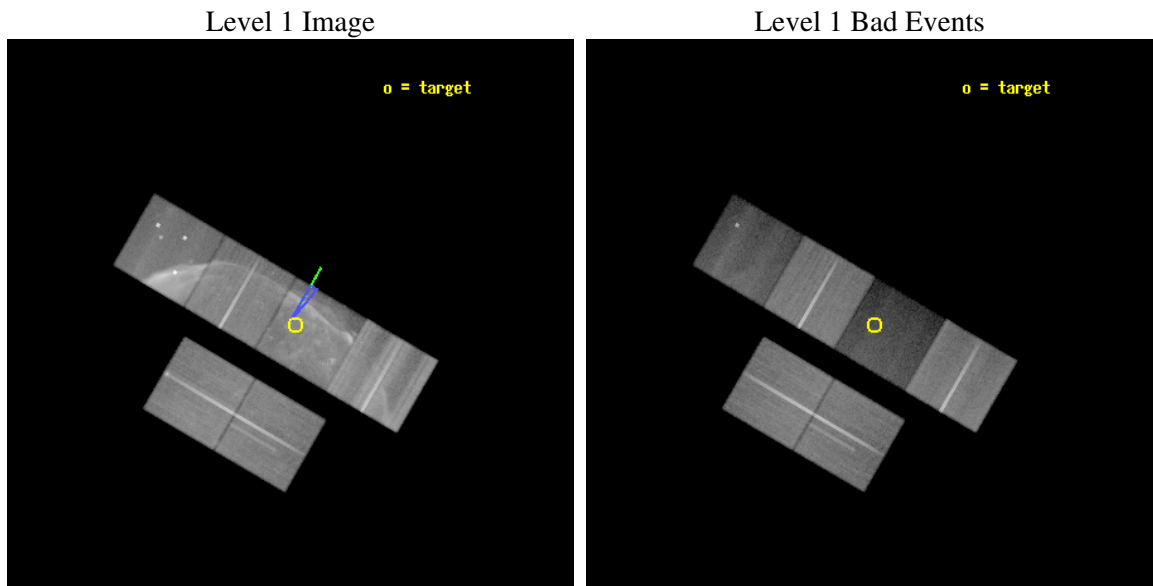
seq_num	500136
obs_id	1959
title	SN1006 AND THE PHYSICS OF SHOCKS II: DEVELOPMENT OF THERMAL SHOCKS
observer	DR. KNOX LONG
object	SN1006 NW
dtcycle	0
cycle	P
ra_targ	225.591667
dec_targ	-41.788889
ra_nom	225.60401030252
dec_nom	-41.785551572958
roll_nom	30.214851824578
revision	2
ontime	90121.559103683
livetime	88980.385657624
ontime2	90124.800083935
ontime3	90121.559123695
ontime5	90124.800083935
ontime6	90118.318103522
ontime7	90121.559103683
ontime8	90118.318133444
l2events	1452637



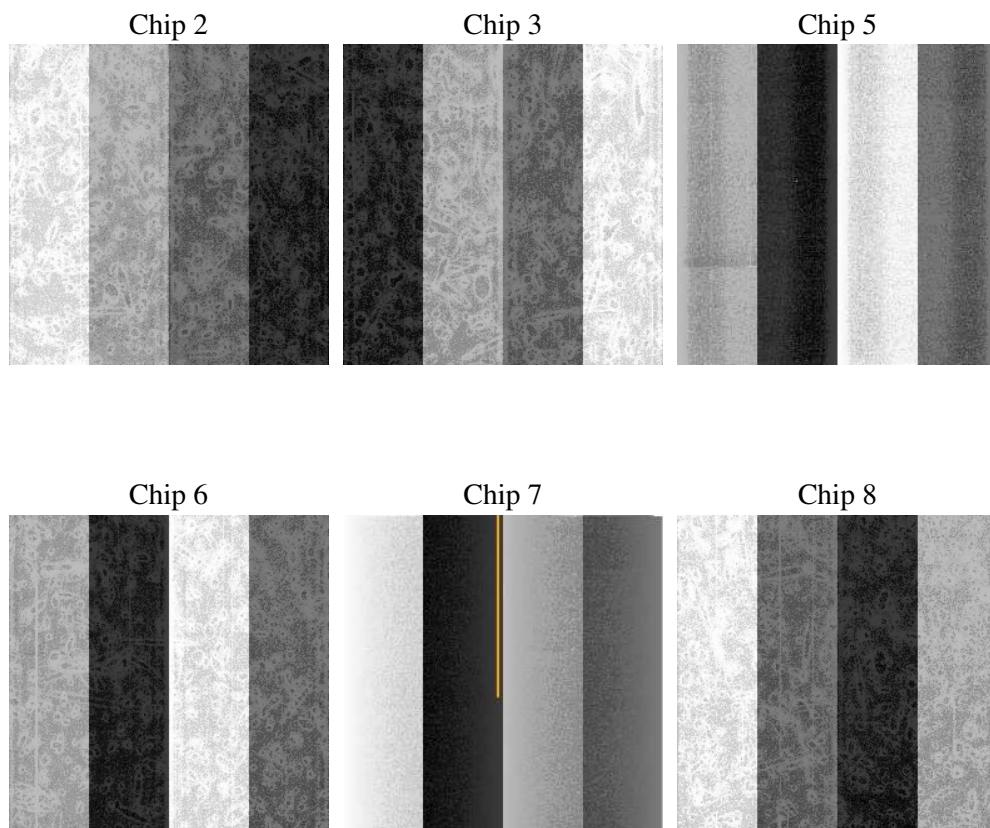
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-29T15:30:39
revision	2

sched_exp_time	90100.000000
ontime	90125.90237844
ontime2	90129.143338785
ontime3	90125.902378544
ontime5	90129.143338785
ontime6	90122.661358371
ontime7	90125.90237844
ontime8	90122.661388293
l1events	3683901

2.1.4 Events

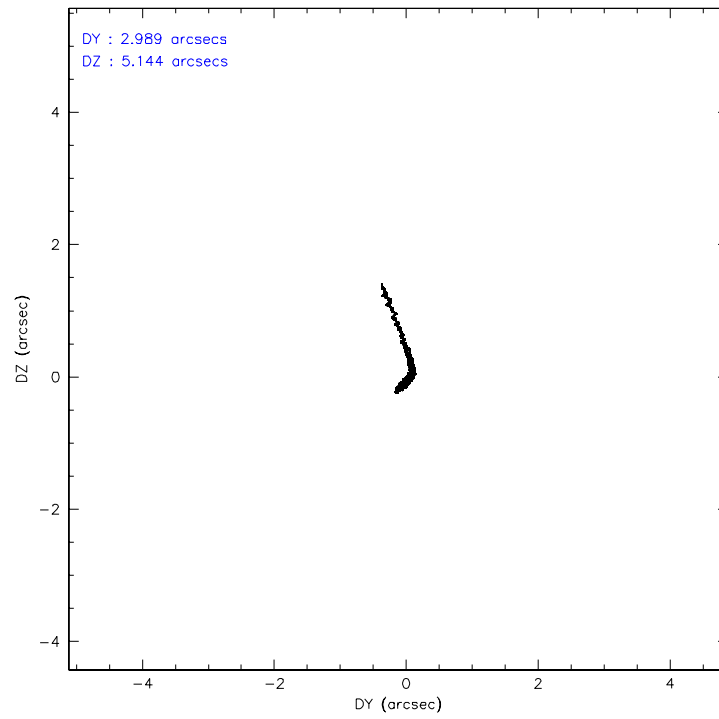
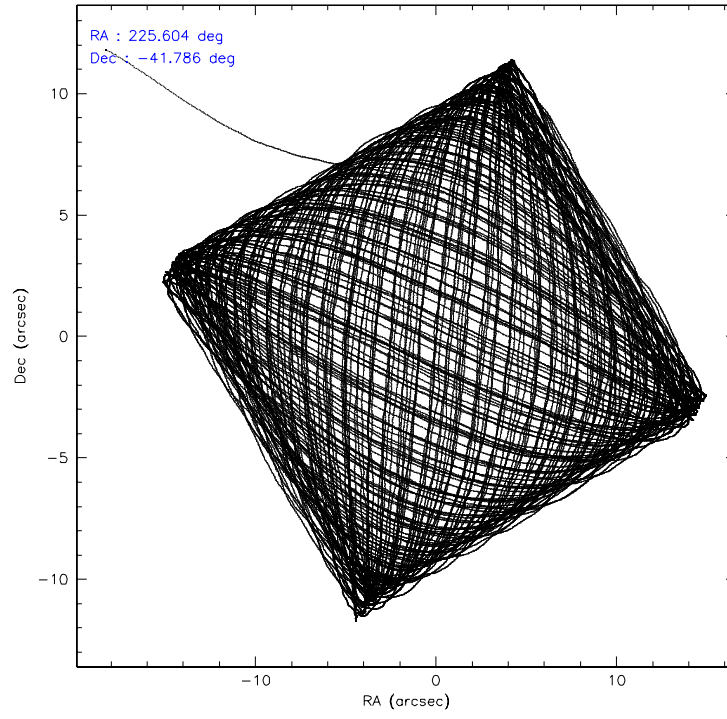
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	586431	527180	631776	564597	615229	758688
rejected events	452388	409596	155107	408609	107288	420148
rejected %	77%	77%	24%	72%	17%	55%

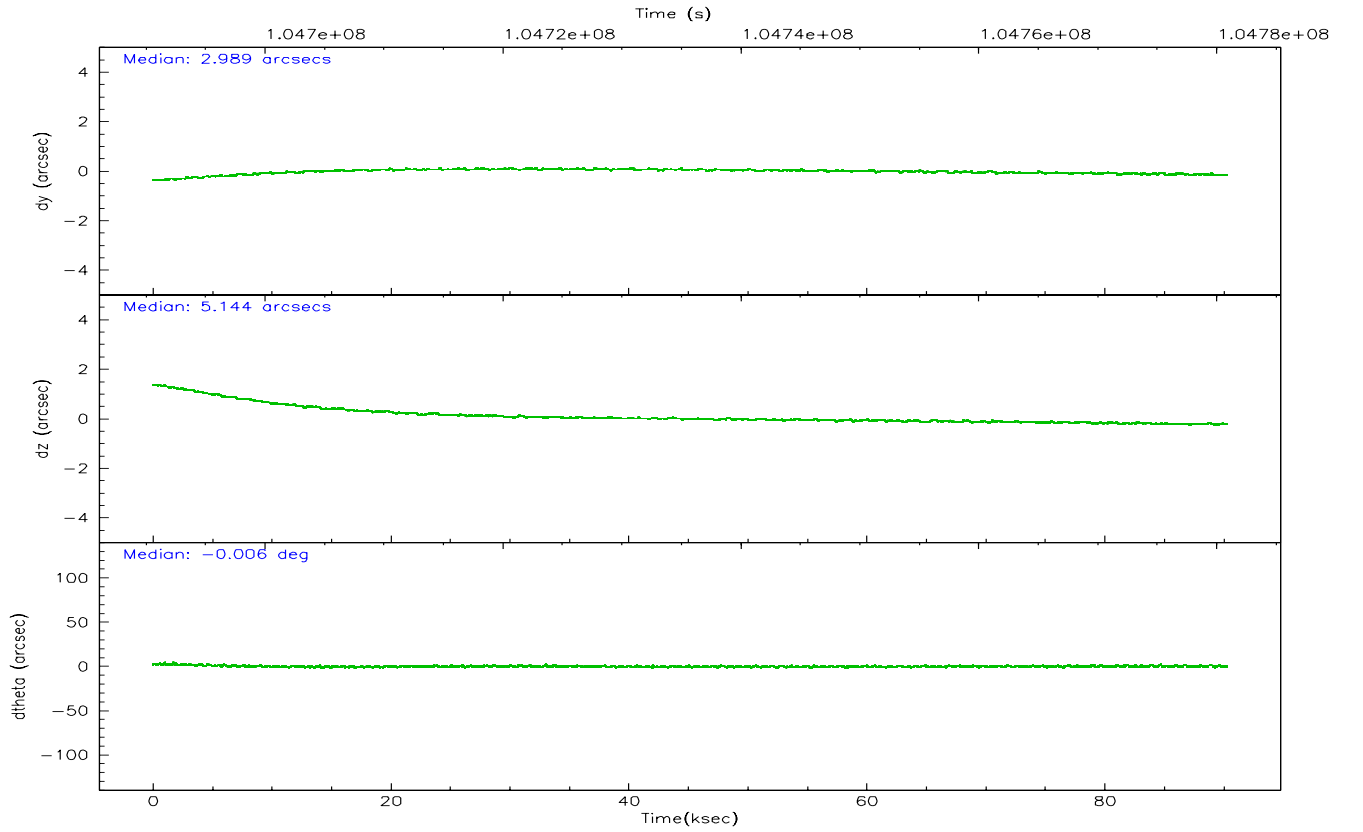
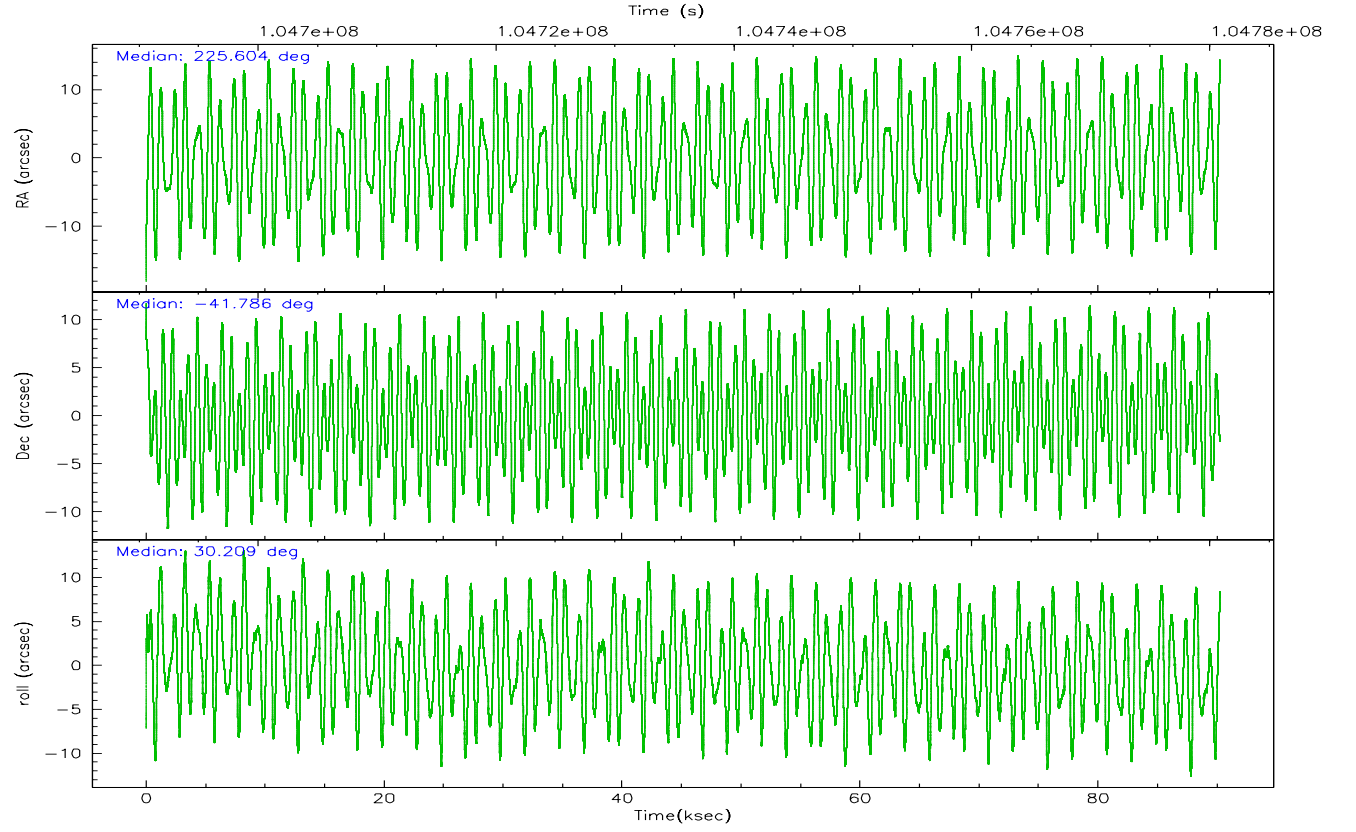
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	101400	89920	127572	122284	171893	152006
	17%	17%	20%	21%	27%	20%
grade 1 events	549	457	304	566	321	972
	0%	0%	0%	0%	0%	0%
grade 2 events	15799	12090	171282	15980	137248	43918
	2%	2%	27%	2%	22%	5%
grade 3 events	5080	5061	24689	5753	51720	47787
	0%	0%	3%	1%	8%	6%
grade 4 events	5694	4958	24355	5461	51254	41899
	0%	0%	3%	0%	8%	5%
grade 5 events	6782	7531	23714	7814	21936	14372
	1%	1%	3%	1%	3%	1%
grade 6 events	6075	5558	128795	6514	95846	52937
	1%	1%	20%	1%	15%	6%
grade 7 events	445052	401605	131065	400225	85011	404797
	75%	76%	20%	70%	13%	53%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	225.586138	225.6040103025179	Subarray requested	NONE	NONE
Pointing Dec	-41.809377	-41.78555157295838	Alternating exposures requested	N	N
Pointing Roll	30.046315	30.21485182457767	Primary exposure time	0.000000	3.2
Roll angle	35.000000	35.000000			
Roll tolerance	5.000000	5.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
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	104690769.184000	104689751.13702			
Observation start date	2001-04-26T16:45:05	2001-04-26T16:29:11			
Observation end time	104780869.184000	104781271.34058			
Observation end date	2001-04-27T17:46:45	2001-04-27T17:54:31			
Read mode	TIMED	TIMED			

2.3 Aspect



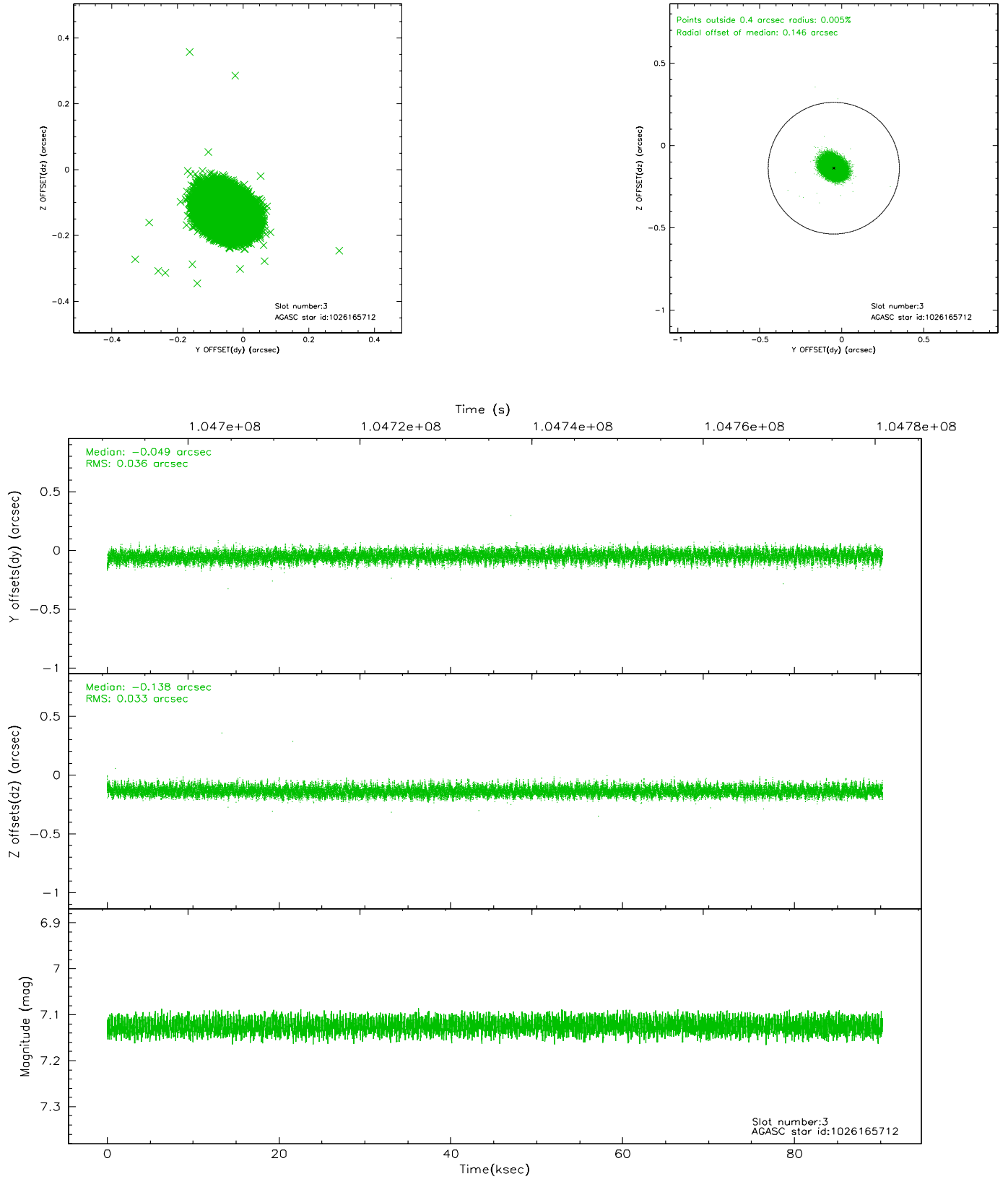


Slot Statistics

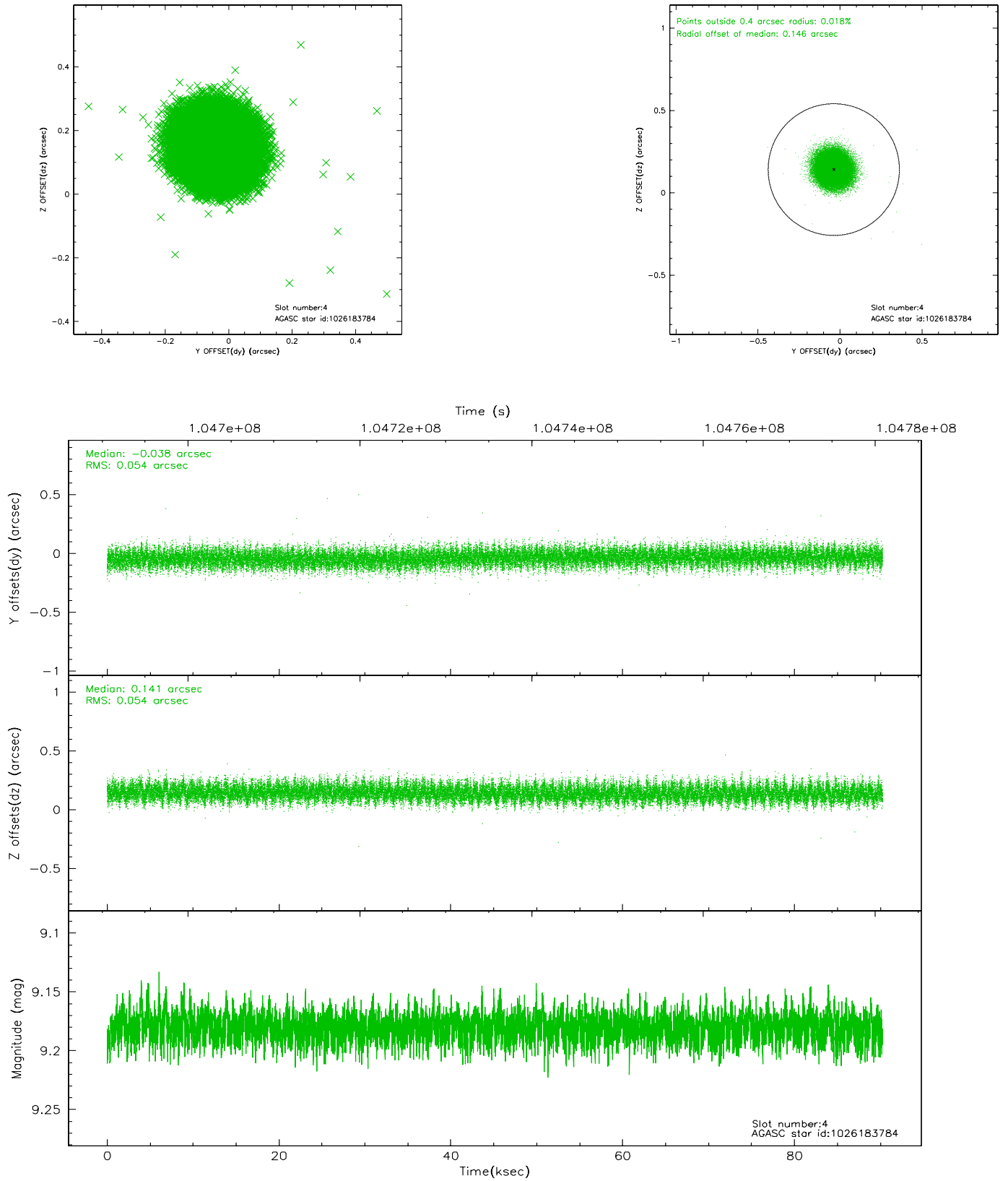
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	22019	-0.015	0.018	0.012	0.021	0.000000	0.000000	-755.58	-1726.39
1	FID	ACIS-S-4	7.20	22018	-0.061	0.003	0.013	0.028	0.000000	0.000000	2157.64	182.23
2	FID	ACIS-S-5	7.24	22018	0.047	-0.012	0.012	0.021	0.000000	0.000000	-1808.51	175.69
3	GUIDE	1026165712	7.13	44036	-0.049	-0.138	0.052	0.083	225.589961	-41.690619	223.81	364.46
4	GUIDE	1026183784	9.18	44023	-0.038	0.141	0.082	0.130	226.363370	-41.841537	1742.75	-1152.12
5	GUIDE	1025649888	9.25	44024	-0.062	-0.141	0.091	0.142	225.540879	-41.189826	1011.37	1991.67
6	GUIDE	1026169776	9.52	44005	0.138	-0.040	0.090	0.149	225.263017	-41.840859	-806.62	333.99
7	GUIDE	1026171720	8.41	44028	0.009	0.176	0.074	0.123	225.622160	-42.401303	-982.95	-1892.81

2.4 Star Slots

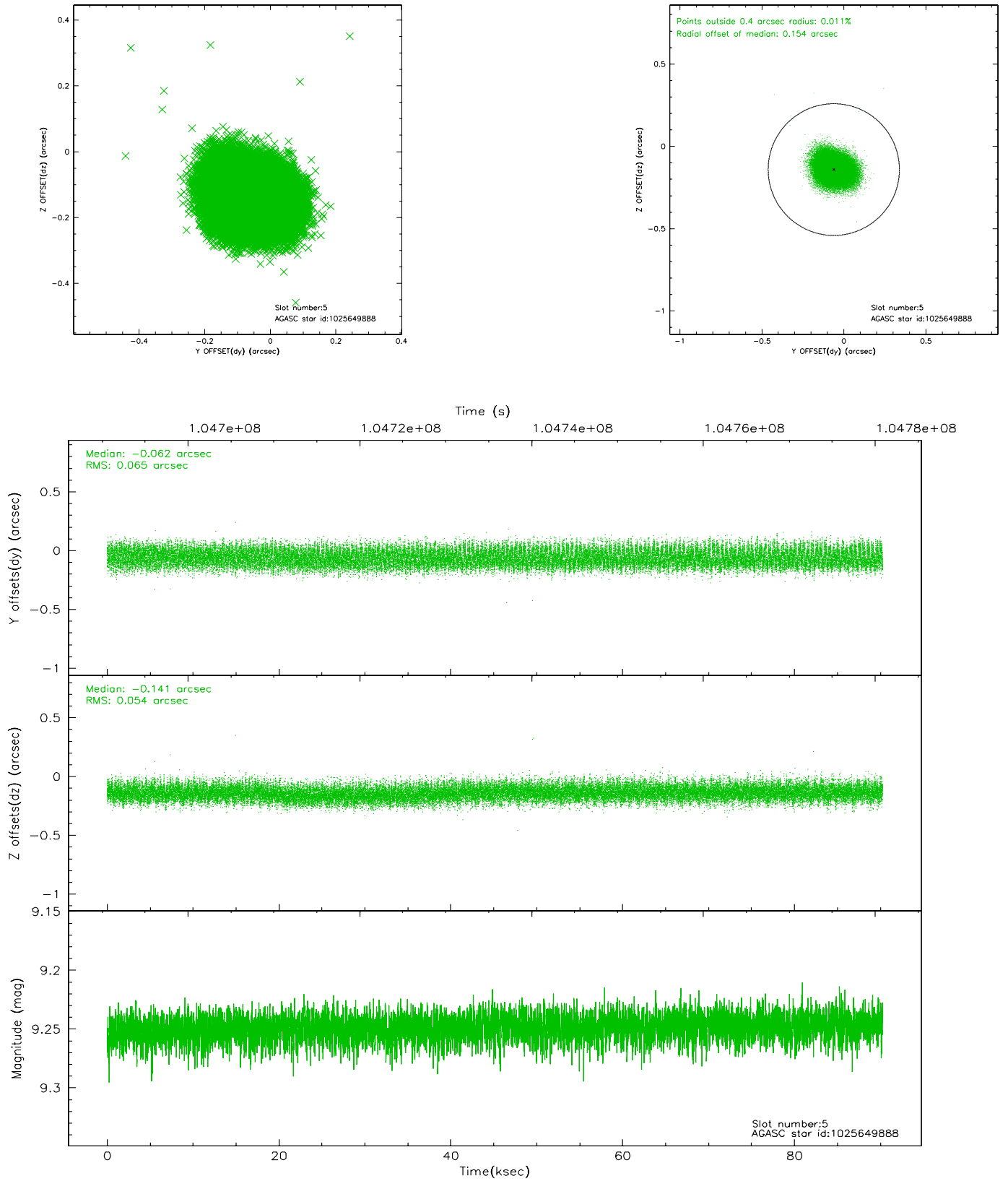
2.4.1 Slot 3



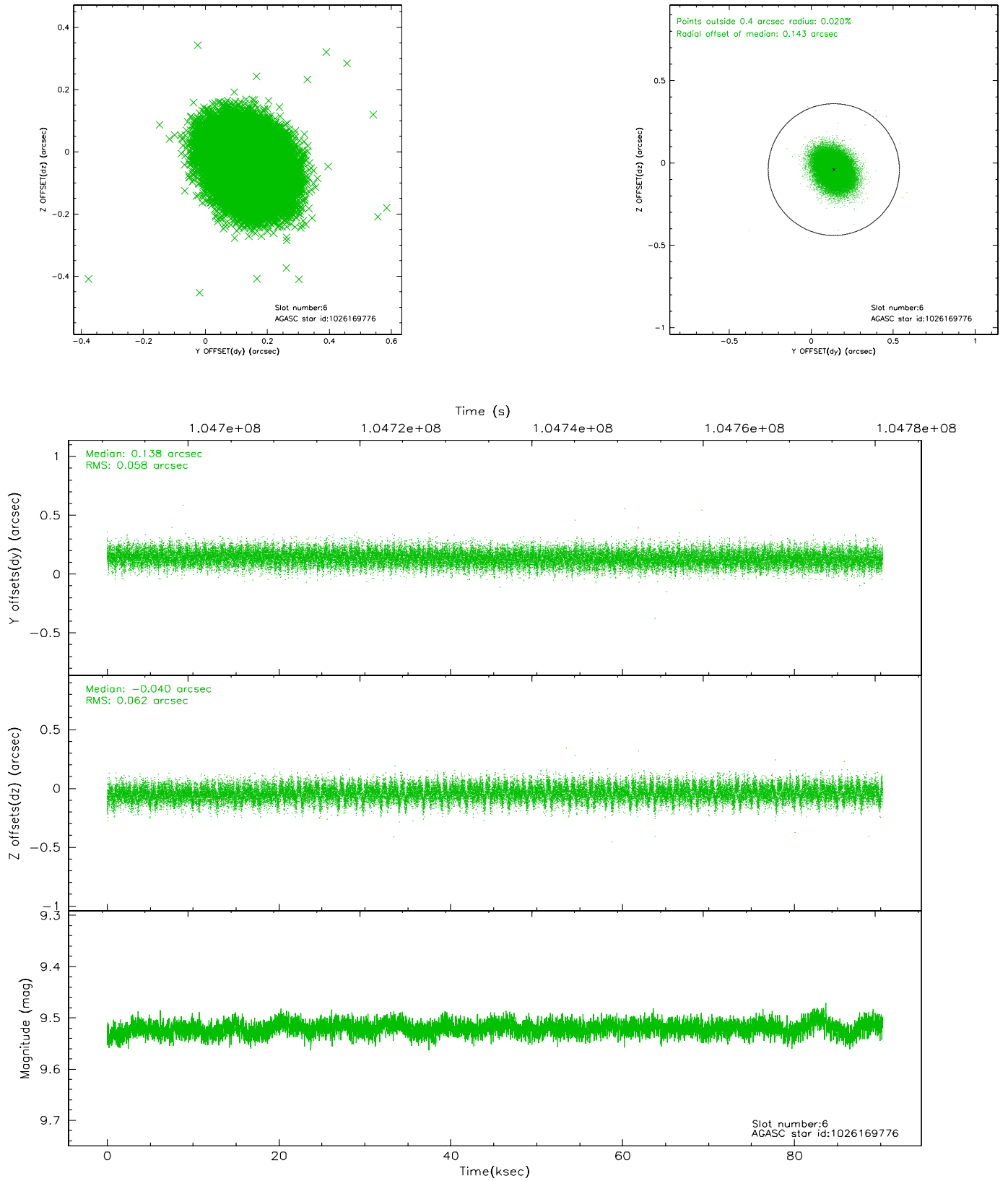
2.4.2 Slot 4



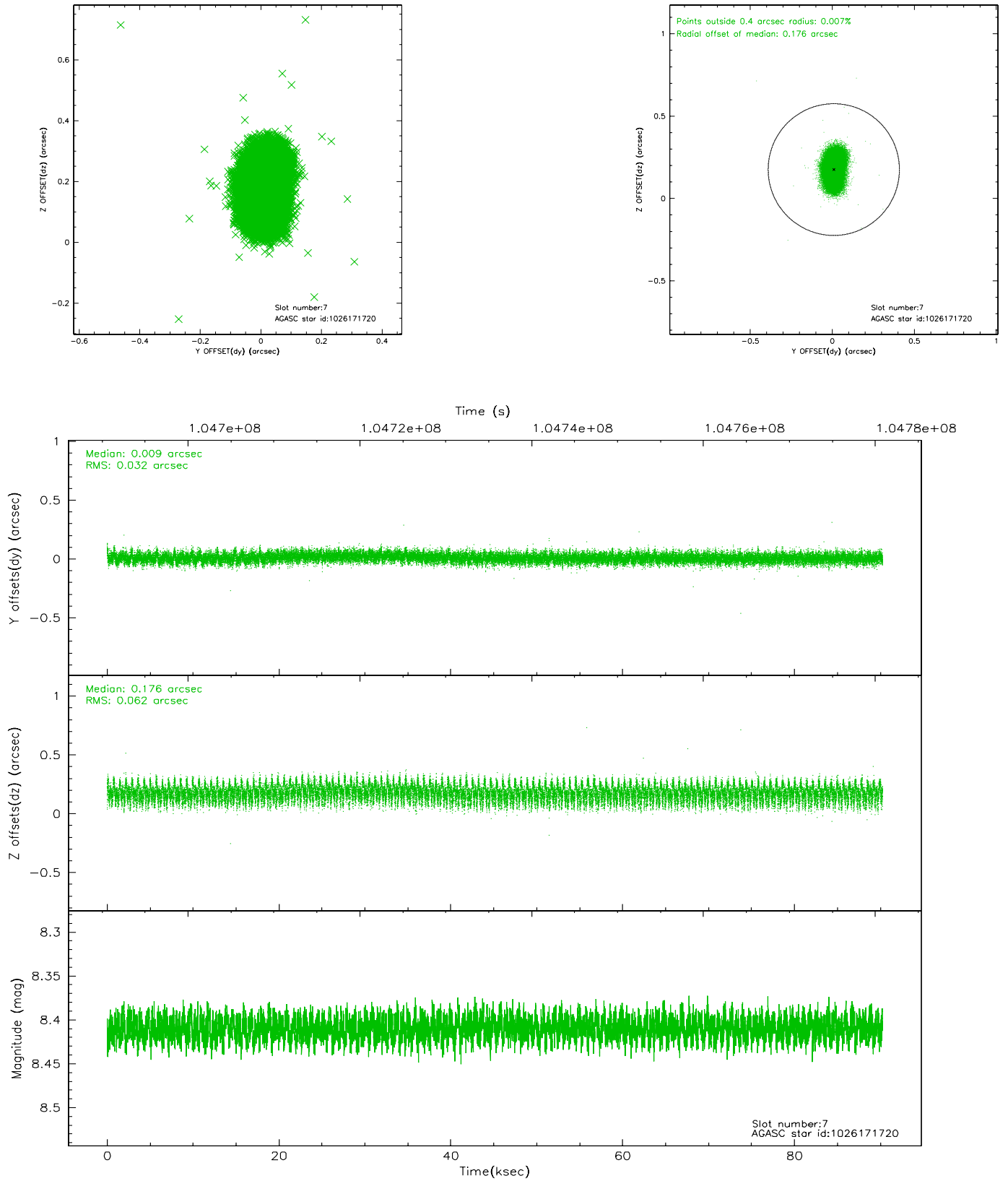
2.4.3 Slot 5



2.4.4 Slot 6

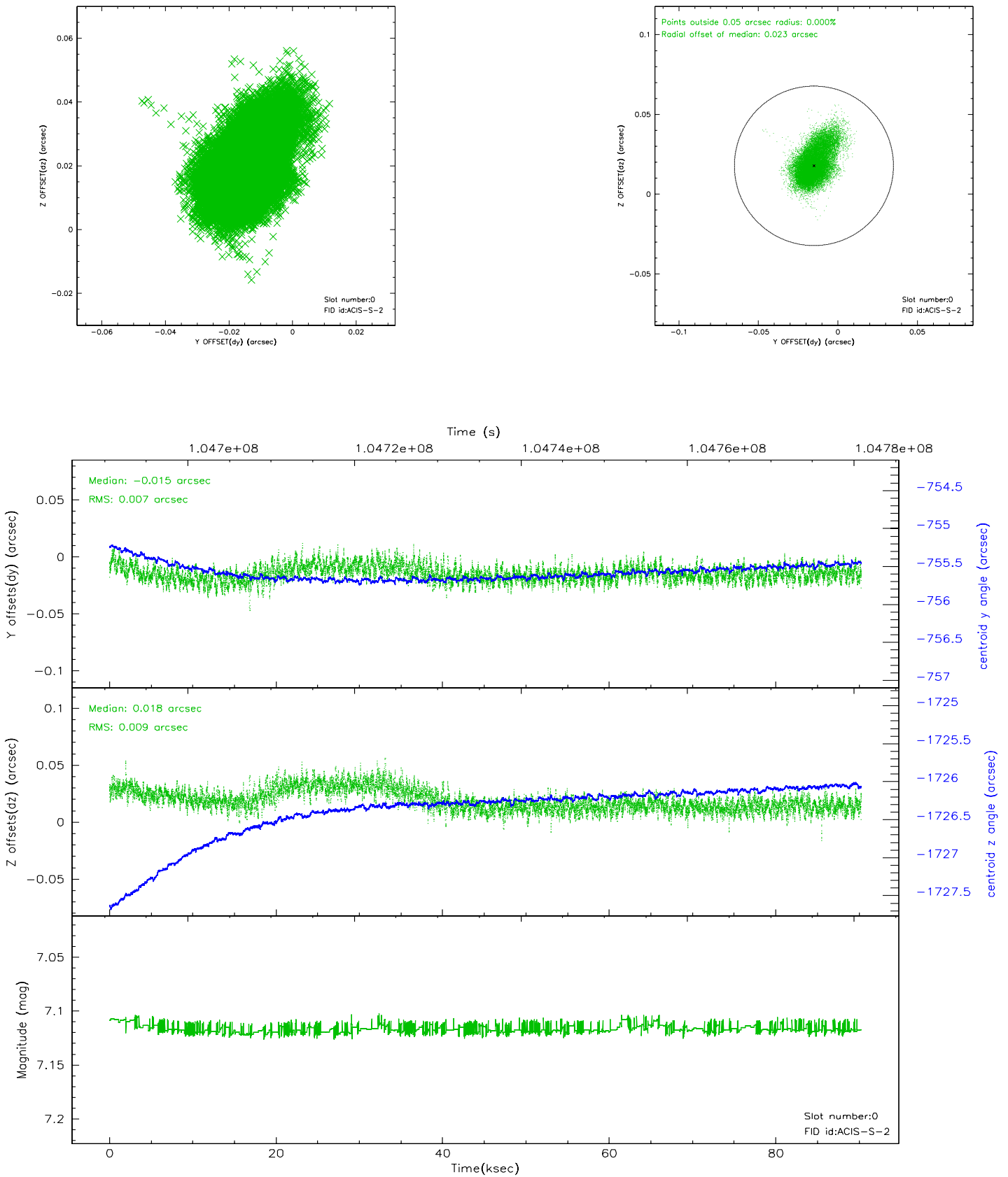


2.4.5 Slot 7

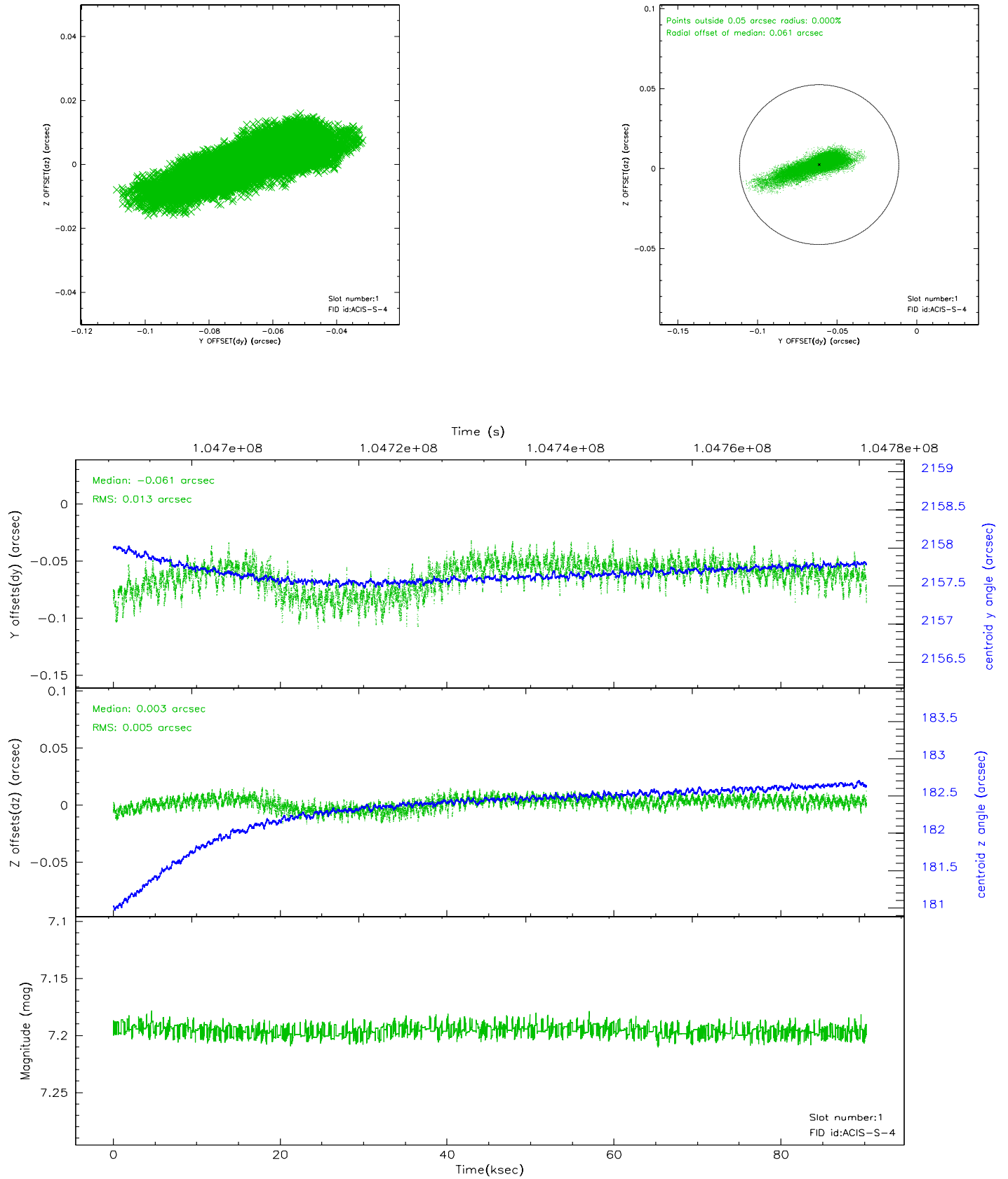


2.5 FID Slots

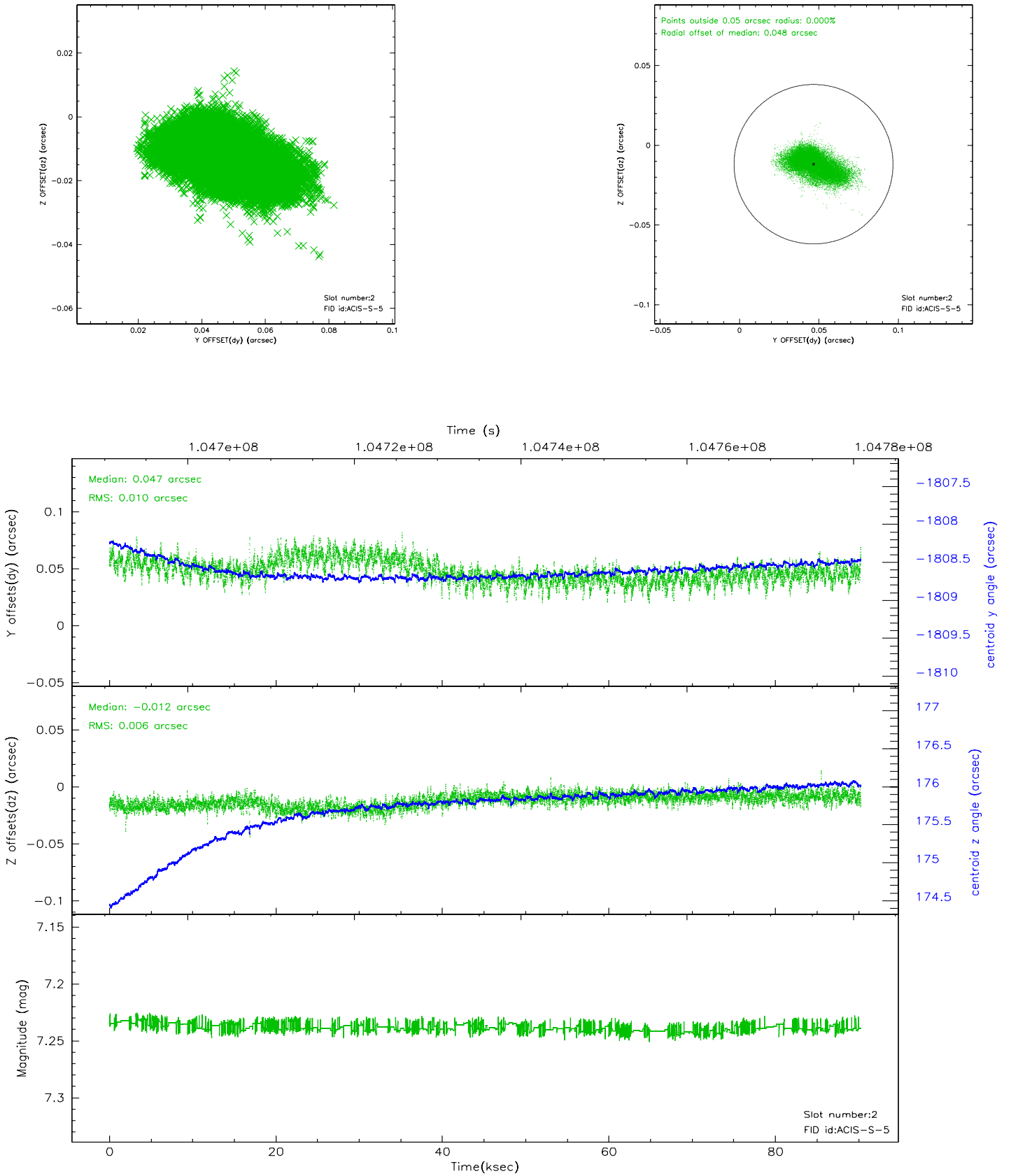
2.5.1 Slot 0



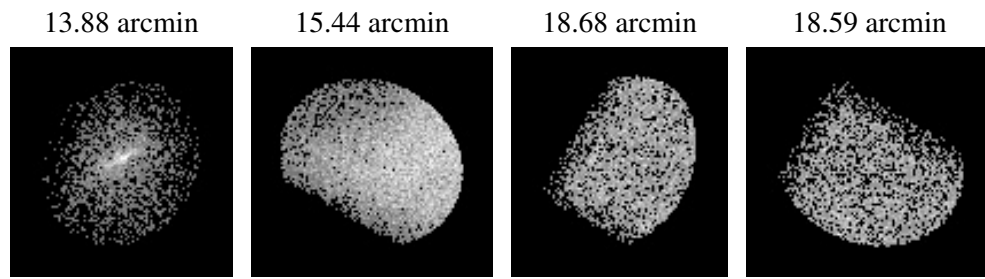
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	90.121

A.2 Comments

Roll constraint OK.