

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1925 - L2 Version 001
Chandra X-Ray Center

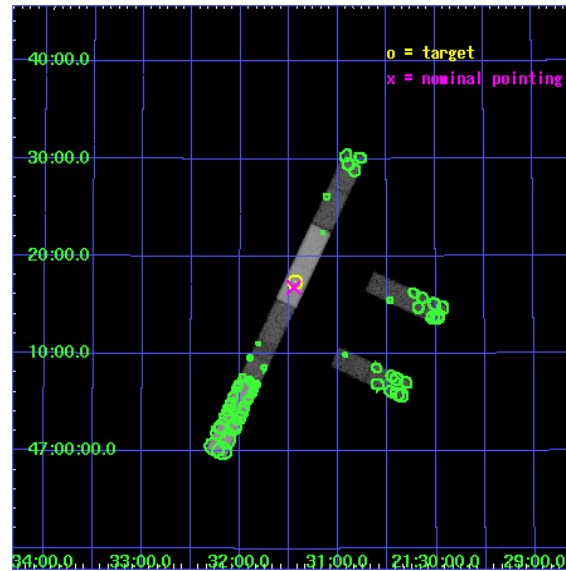
L2 Processing Date : Jun 18 2007

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1 Front

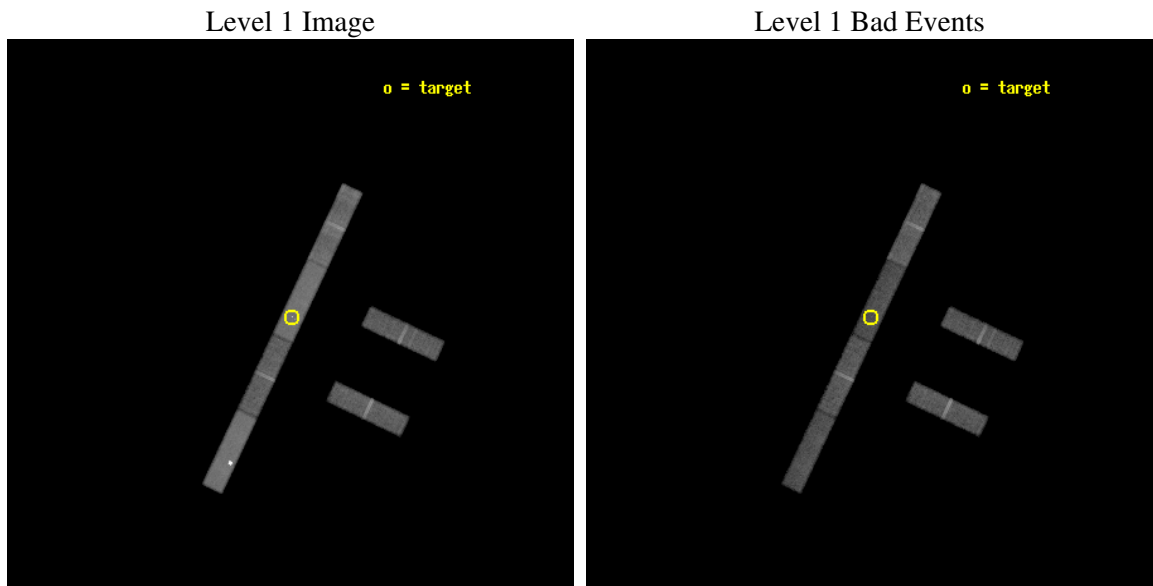
seq_num	400138
obs_id	1925
title	4U 2129+47: FROM ADIOS TO ADAF OR ISOLATED NEUTRON STAR?
observer	Dr. Michael Nowak
object	4U2129+47
dtcycle	0
cycle	P
ra_targ	322.859167
dec_targ	47.29
ra_nom	322.86292239528
dec_nom	47.280493121217
roll_nom	295.38538785827
revision	2
ontime	36616.758781508
livetime	35299.756940737
ontime2	36616.758781508
ontime3	36616.758781508
ontime5	36616.758781508
ontime6	36617.899801582
ontime7	36616.758781508
ontime8	36616.758811429
l2events	177776



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



2.1.3 Parameters

obi_num	2
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-18T11:15:31
revision	2

sched_exp_time	36475.644000
ontime	36616.758781508
ontime2	36616.758781508
ontime3	36616.758781508
ontime5	36616.758781508
ontime6	36617.899801582
ontime7	36616.758781508
ontime8	36616.758811429
l1events	552422

2.1.4 Events

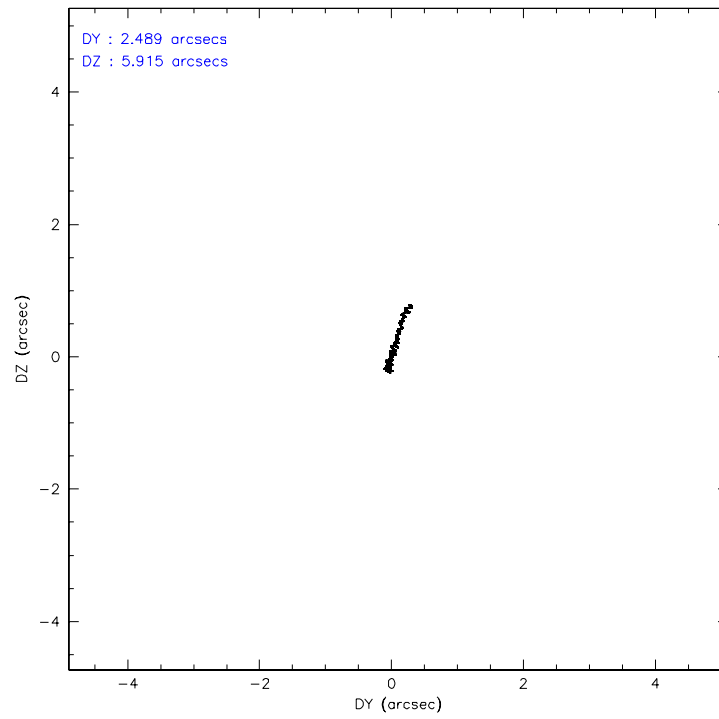
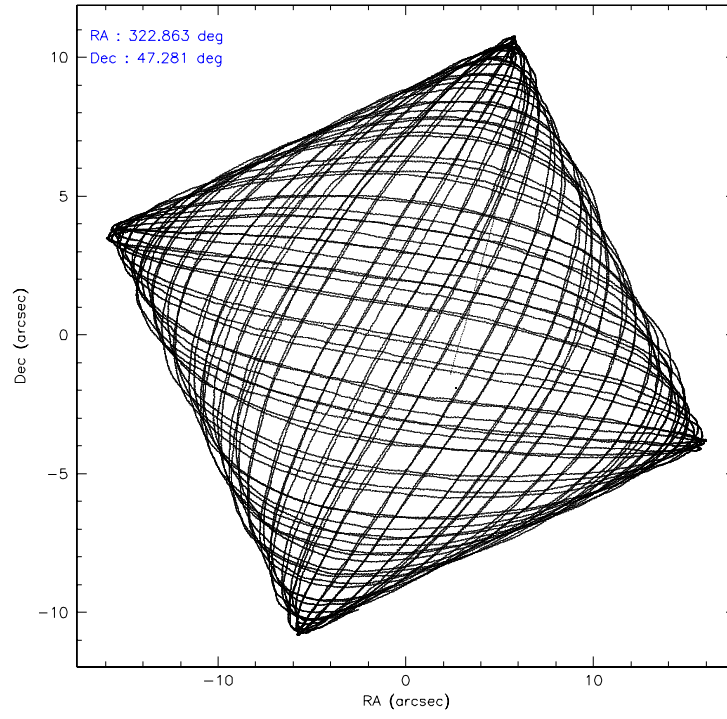
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	71108	65535	138235	70322	109624	97598
rejected events	59582	54768	43315	56652	40251	68819
rejected %	83%	83%	31%	80%	36%	70%

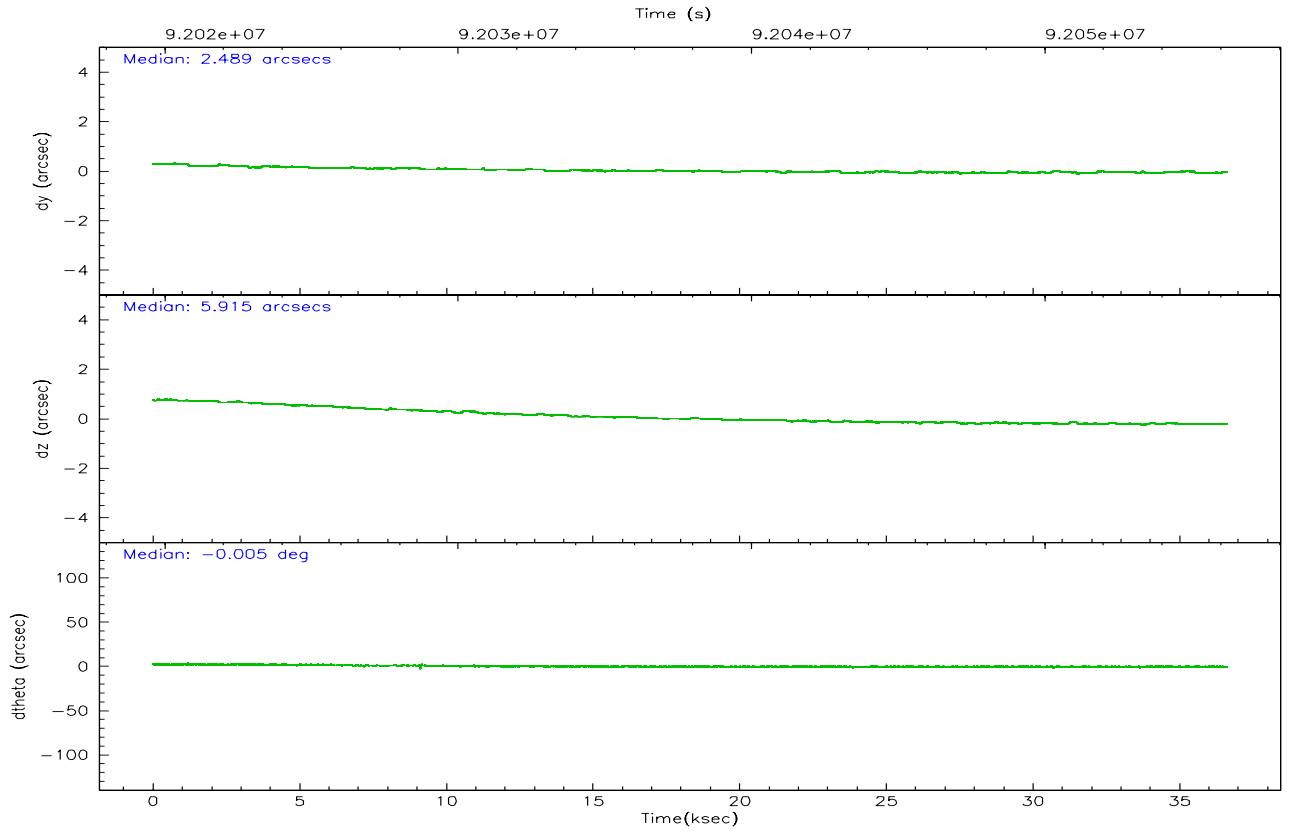
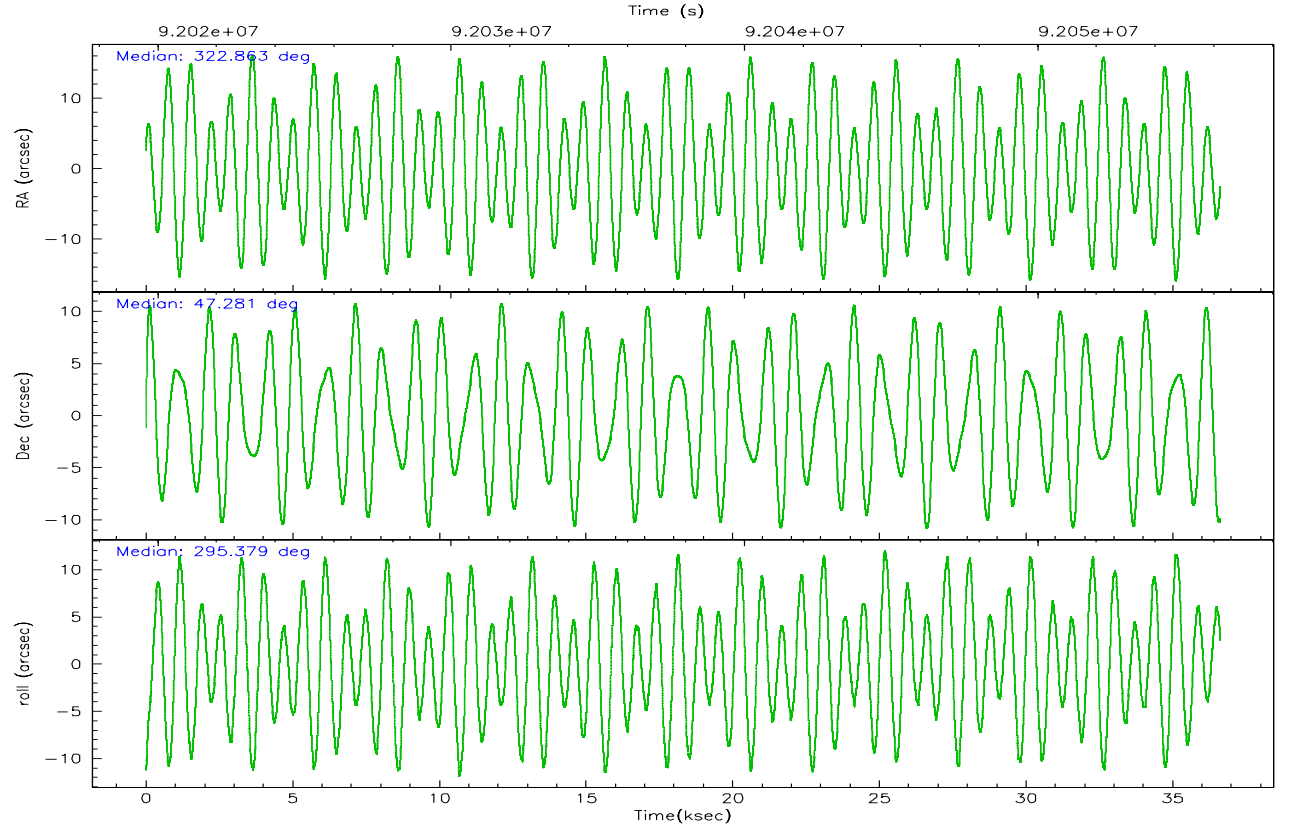
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5993	5583	36709	7491	8422	11371
	8%	8%	26%	10%	7%	11%
grade 1 events	21	21	114	18	93	41
	0%	0%	0%	0%	0%	0%
grade 2 events	2107	1949	19688	2435	13448	4990
	2%	2%	14%	3%	12%	5%
grade 3 events	1038	951	4783	1171	6496	3230
	1%	1%	3%	1%	5%	3%
grade 4 events	1106	1035	4720	1098	6543	3057
	1%	1%	3%	1%	5%	3%
grade 5 events	1859	1849	6560	2075	6680	2815
	2%	2%	4%	2%	6%	2%
grade 6 events	1413	1371	30099	1604	35062	6517
	1%	2%	21%	2%	31%	6%
grade 7 events	57571	52776	35562	54430	32880	65577
	80%	80%	25%	77%	29%	67%

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	322.829582	322.8629223952815	Subarray requested	1/4	1/4
Pointing Dec	47.295828	47.28049312121658	Subarray start row	0	385
Pointing Roll	295.253259	295.3853878582658	Subarray row count	1024	256
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.1
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	92019744.184000	92018685.78645401			
Observation start date	2000-12-01T01:01:20	2000-12-01T00:44:45			
Observation end time	92056220.184000	92056534.42539901			
Observation end date	2000-12-01T11:09:16	2000-12-01T11:15:34			
Read mode	TIMED	TIMED			

2.3 Aspect



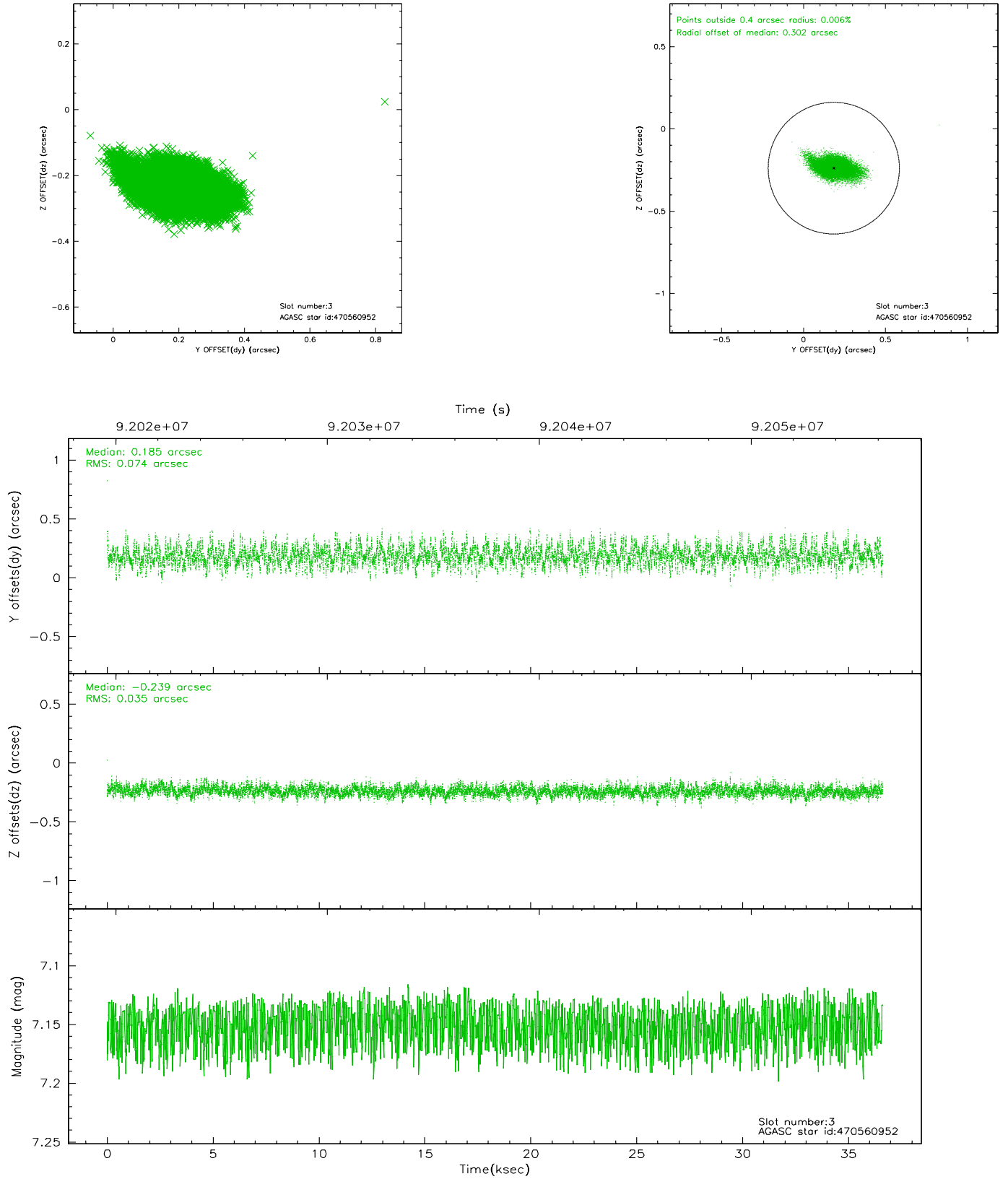


Slot Statistics

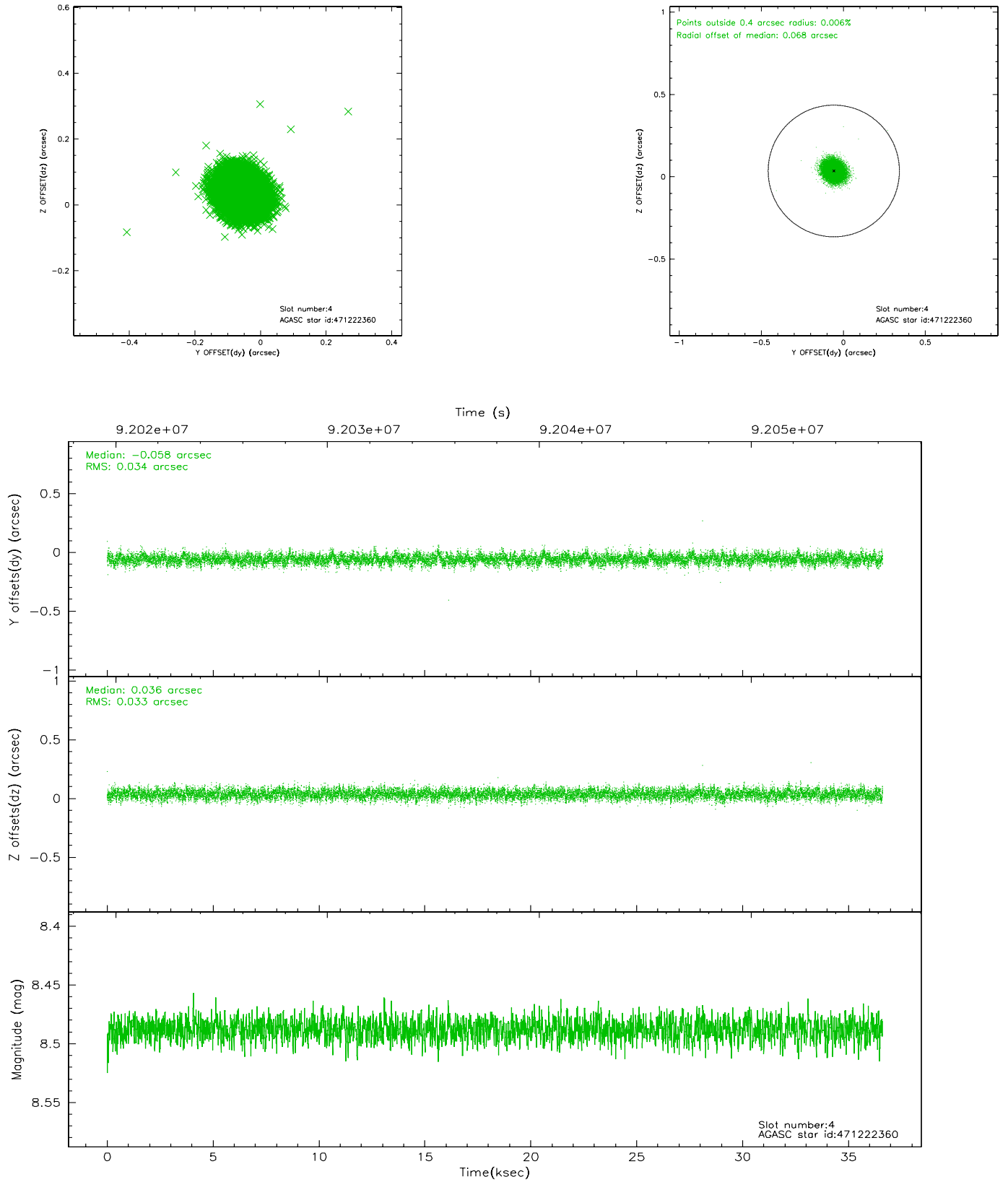
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	8931	-0.027	0.023	0.009	0.017	0.000000	0.000000	-755.16	-1727.15
1	FID	ACIS-S-4	7.21	8928	-0.046	0.007	0.007	0.015	0.000000	0.000000	2158.06	181.32
2	FID	ACIS-S-5	7.24	8931	0.041	-0.021	0.007	0.012	0.000000	0.000000	-1807.92	174.95
3	GUIDE	470560952	7.15	17862	0.185	-0.239	0.083	0.152	322.403033	46.426452	2377.71	-2290.72
4	GUIDE	471222360	8.49	17862	-0.058	0.036	0.050	0.080	323.722466	46.988042	1926.84	1516.58
5	GUIDE	471086104	8.65	17853	-0.031	0.114	0.075	0.120	323.249901	47.513417	-274.34	1260.50
6	GUIDE	471073240	8.68	17863	-0.067	-0.024	0.063	0.102	322.948313	47.442940	-355.32	488.15
7	GUIDE	471091056	8.85	17859	-0.032	0.113	0.085	0.140	323.297085	47.790378	-1130.52	1784.34

2.4 Star Slots

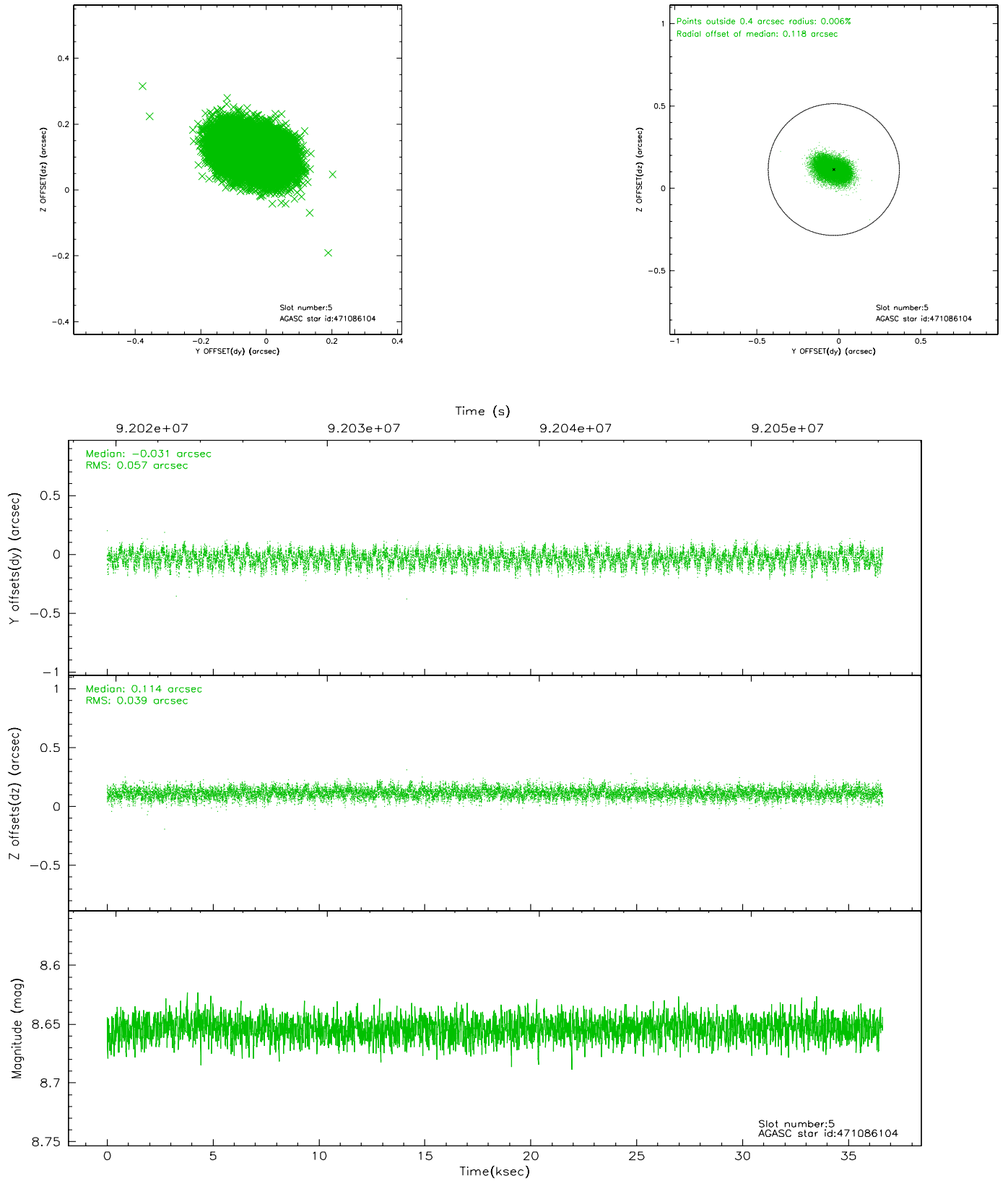
2.4.1 Slot 3



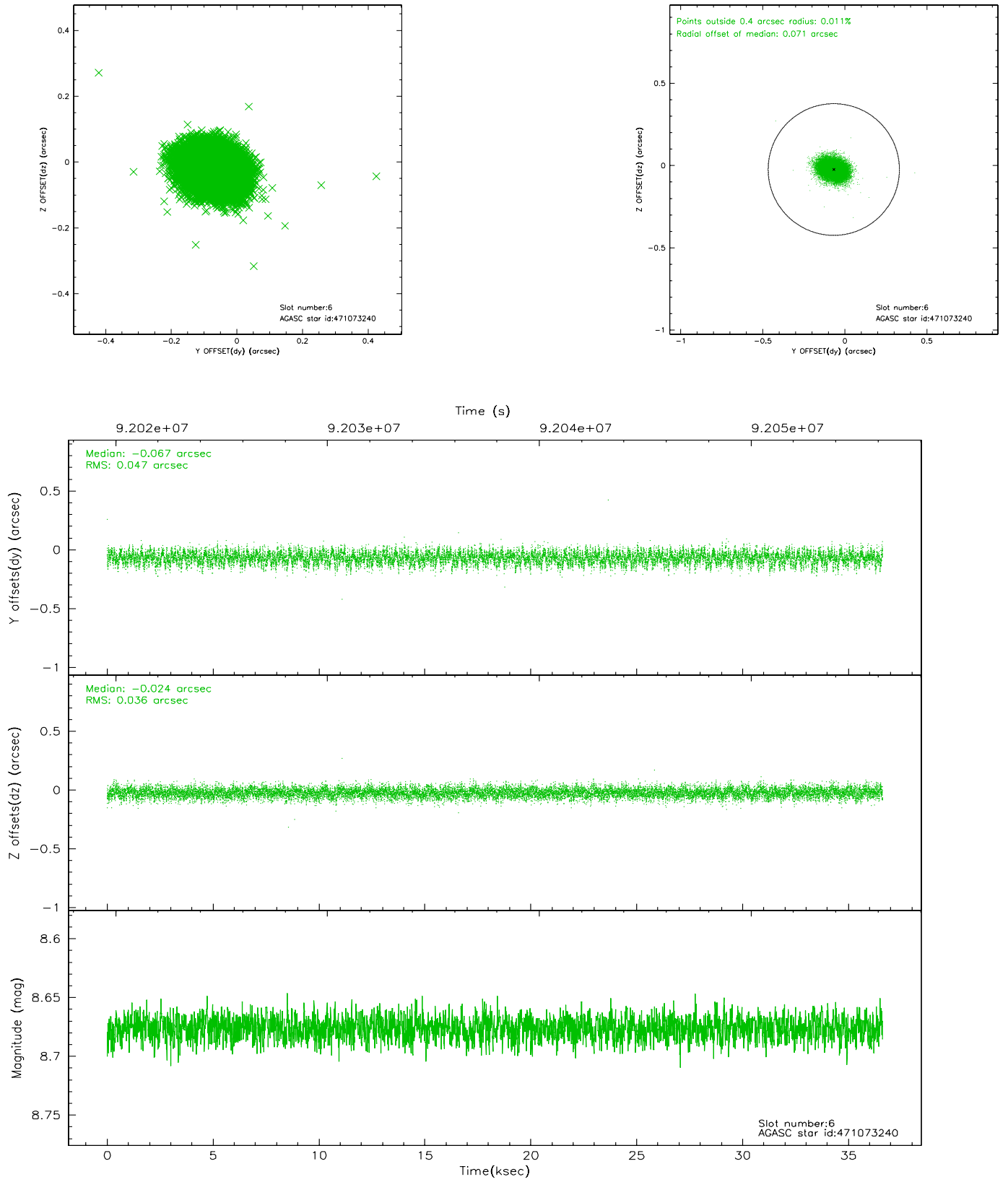
2.4.2 Slot 4



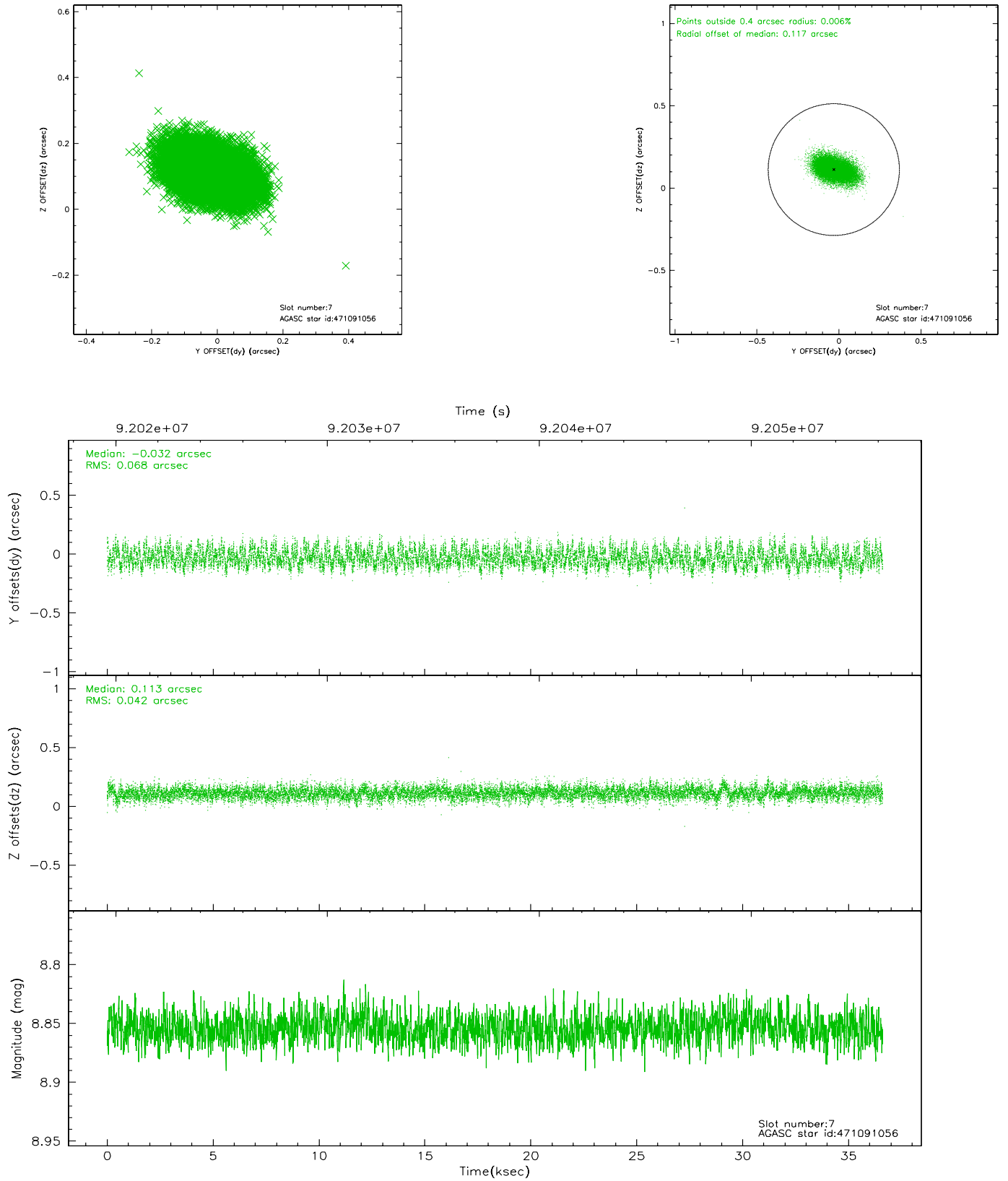
2.4.3 Slot 5



2.4.4 Slot 6

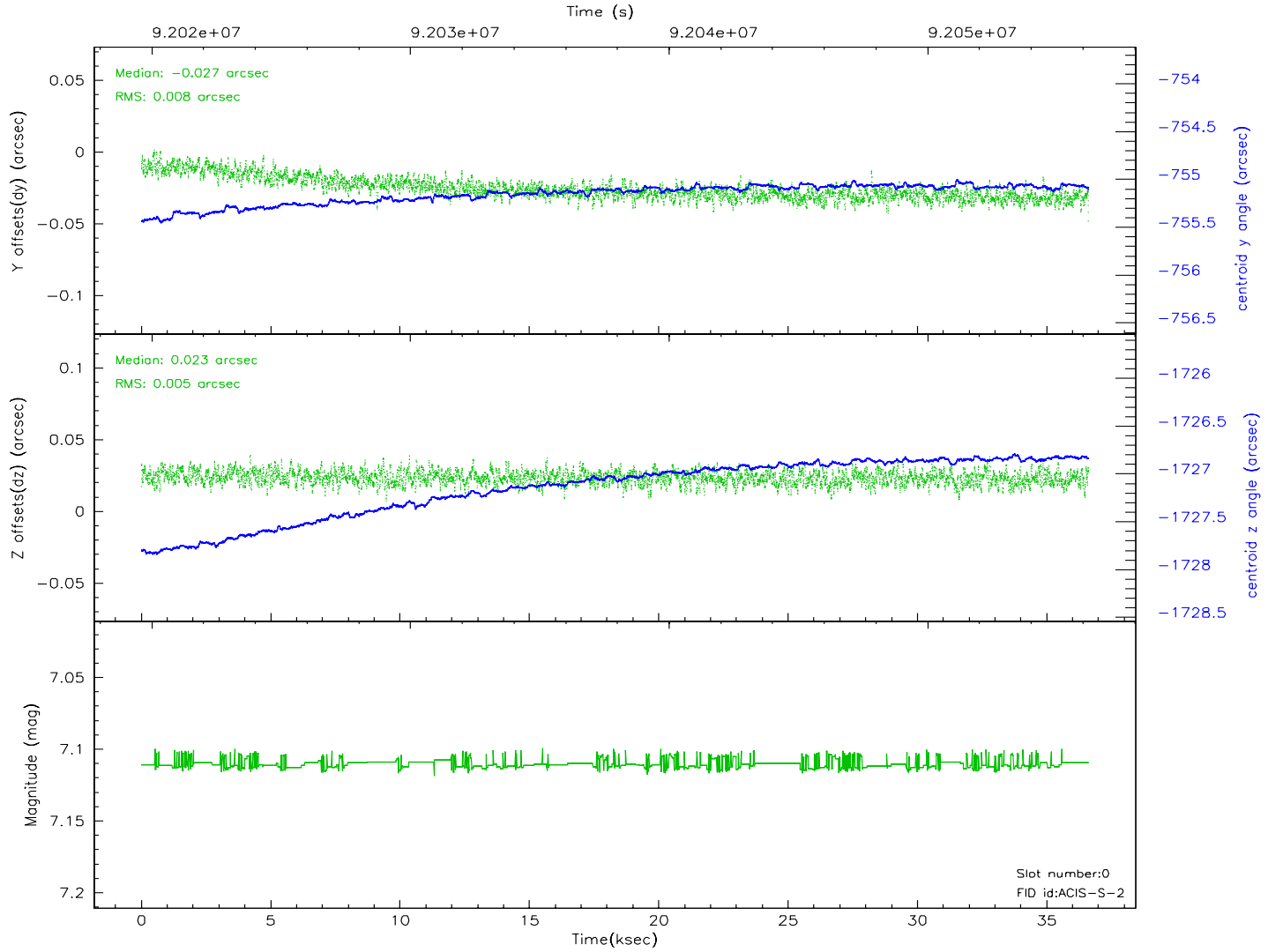
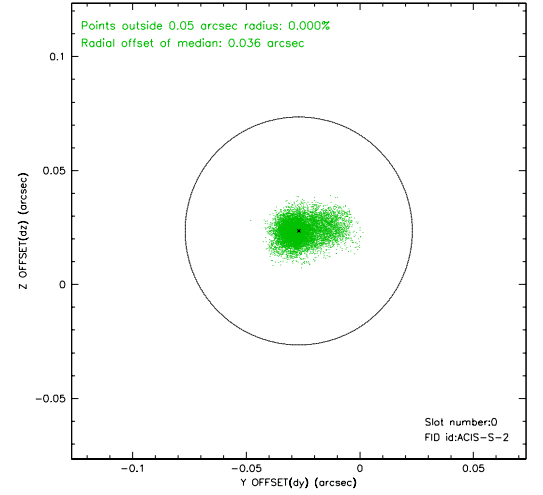
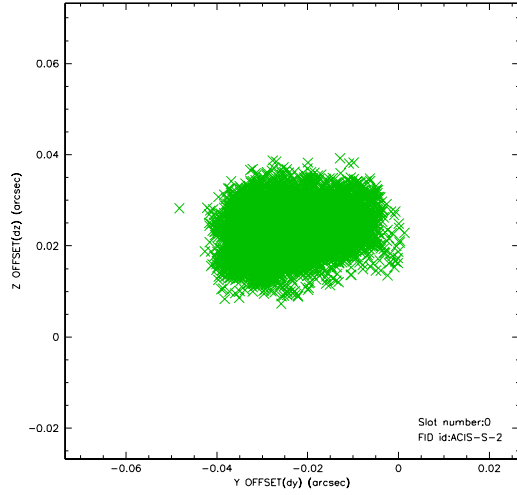


2.4.5 Slot 7

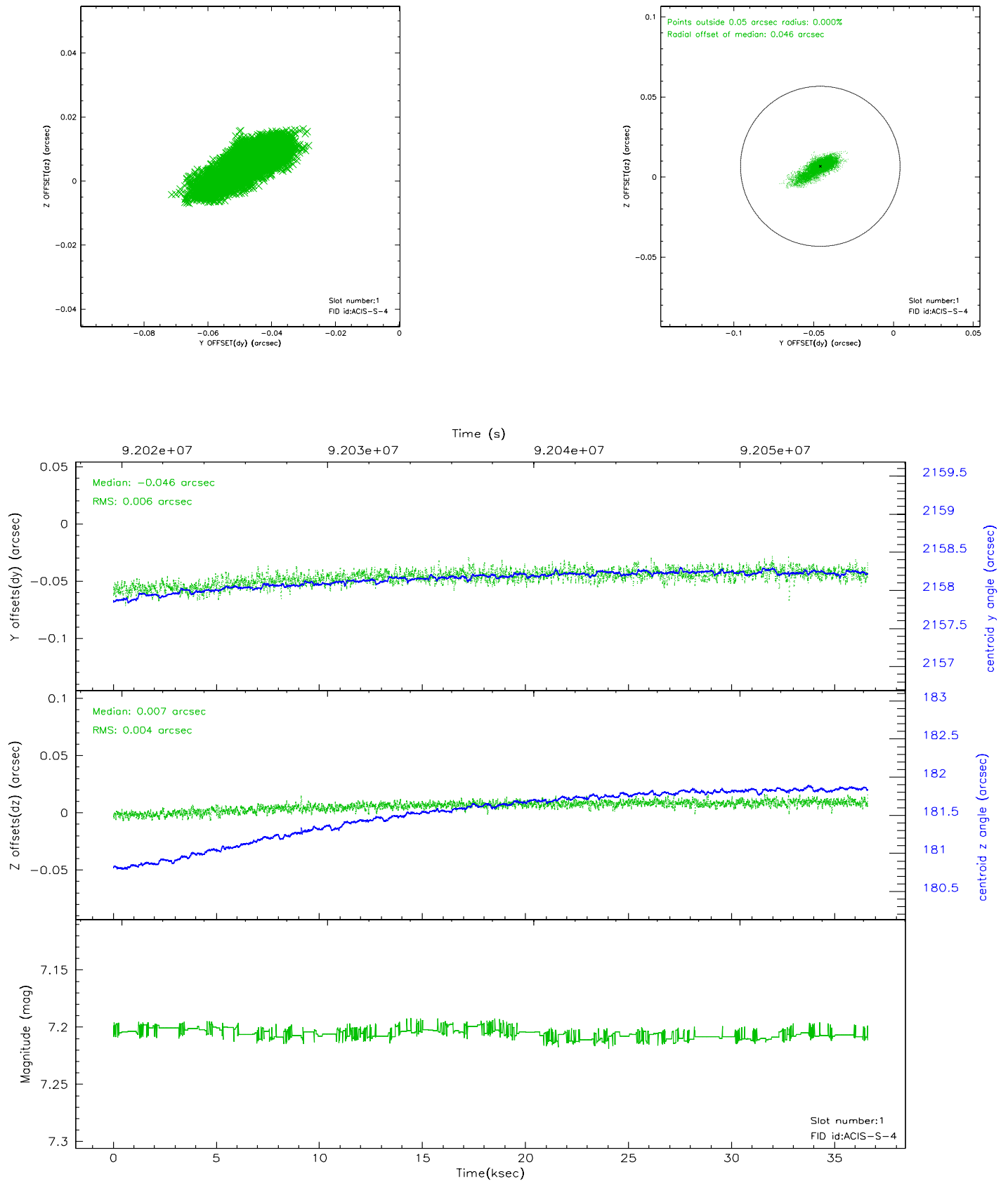


2.5 FID Slots

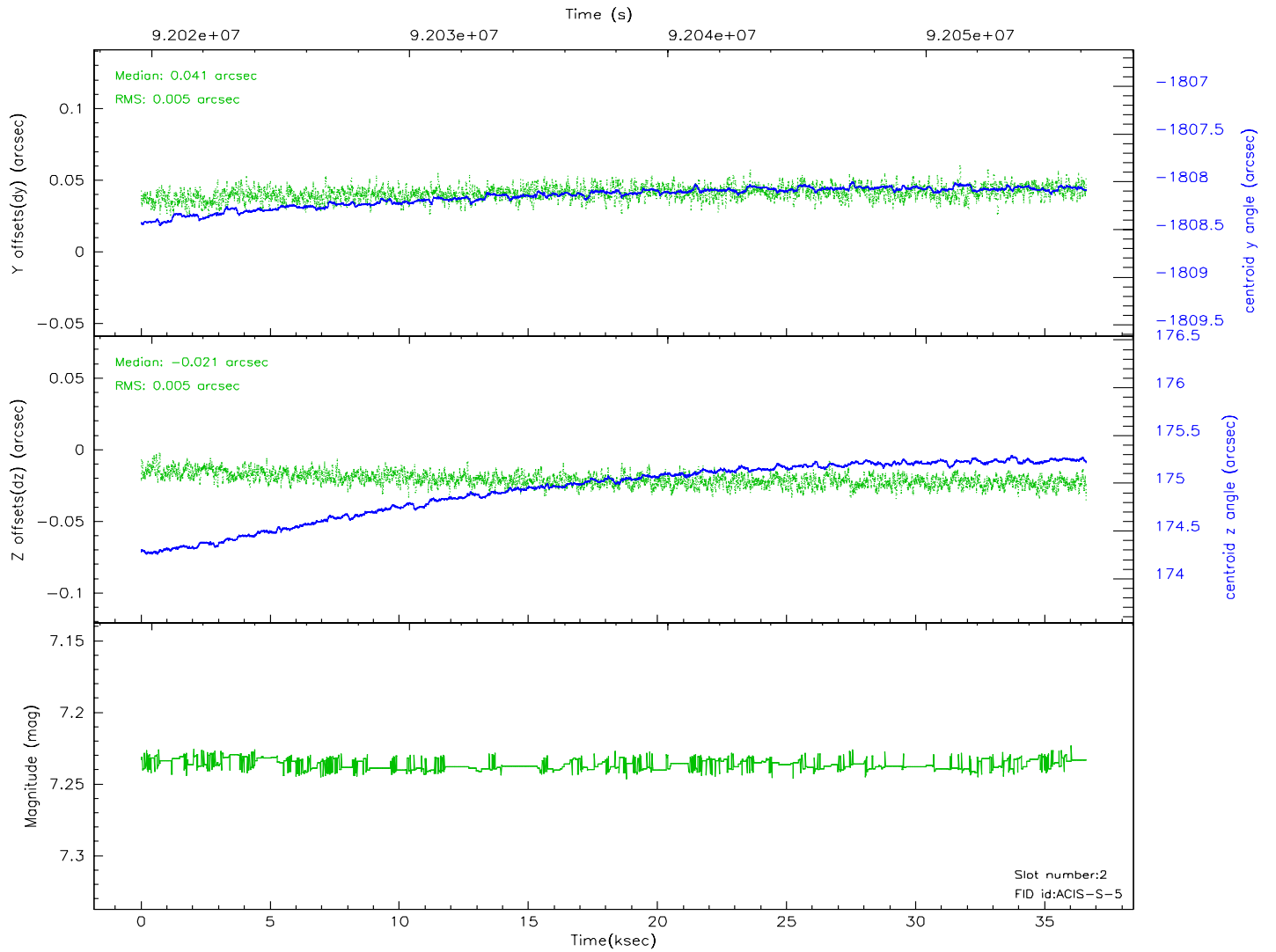
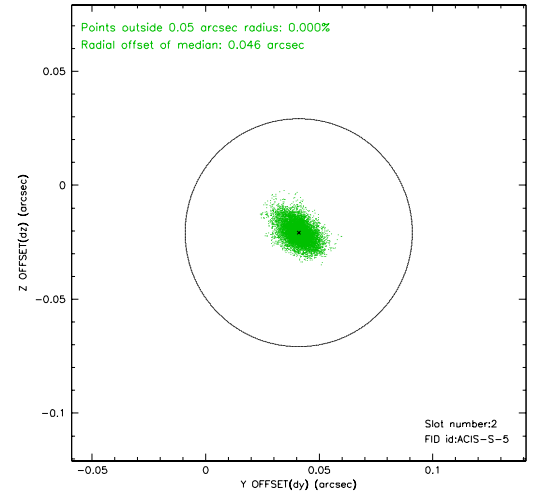
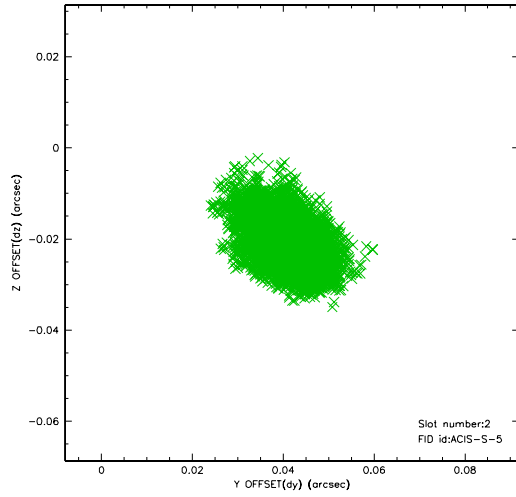
2.5.1 Slot 0



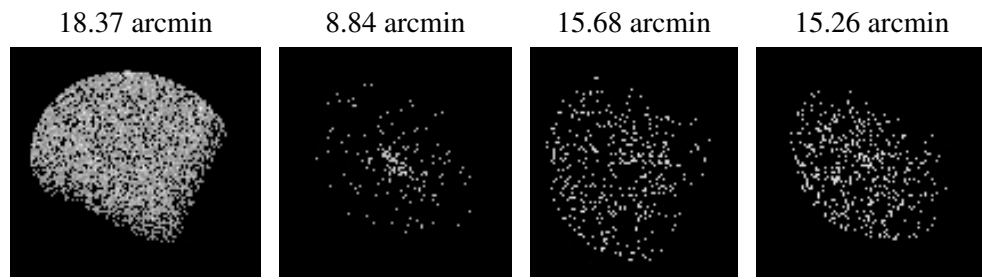
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.616

A.2 Comments