

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 5128 - L2 Version 001
Chandra X-Ray Center

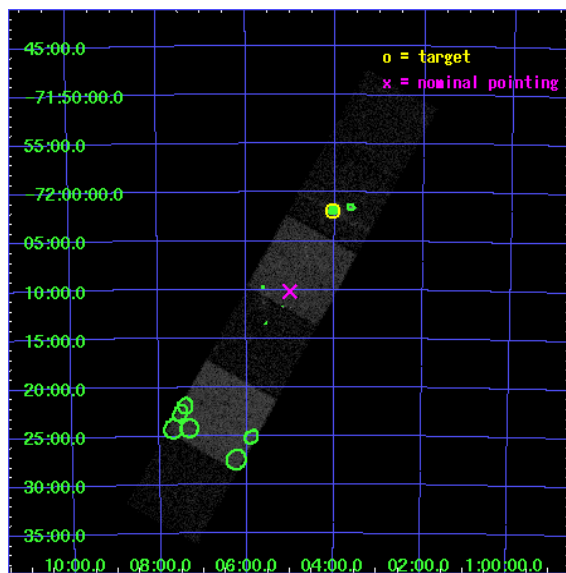
L2 Processing Date : Jun 23 2006

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1 Front

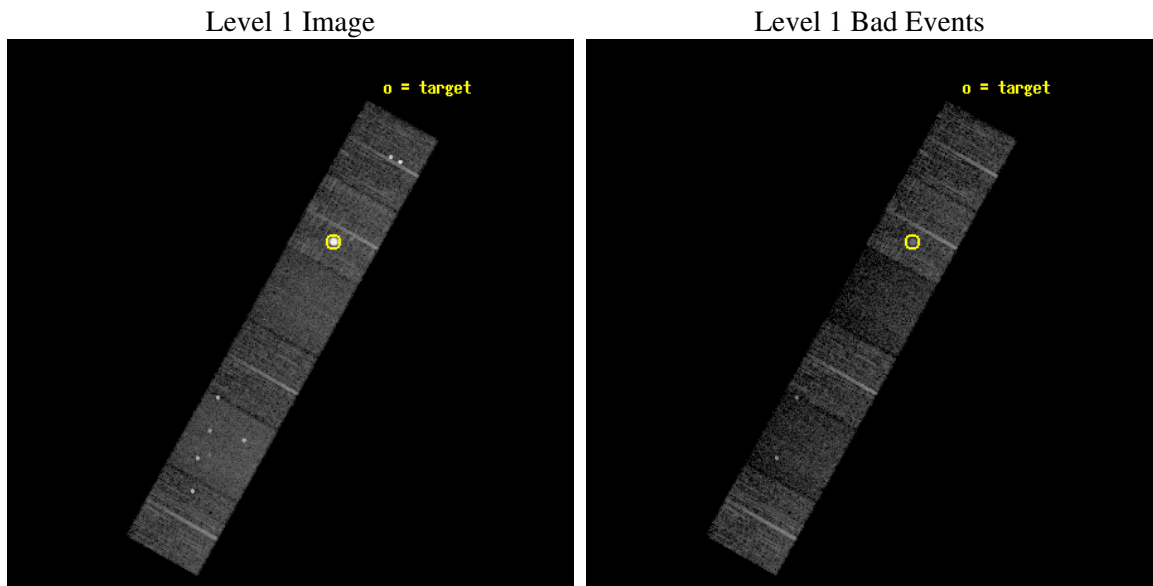
seq_num	590326
obs_id	5128
title	AO5A ACIS-S Calibration Observations of E0102-72
observer	Dr. CXC Calibration
object	E0102-72[S4,-120,-9.15,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.252216395159
dec_nom	-72.16977801371
roll_nom	299.26460041097
revision	2
ontime	8006.3590297997
livetime	7904.9776909137
ontime4	8009.5999701619
ontime5	8009.5999701619
ontime6	8009.5999701619
ontime7	8009.5999701619
ontime8	8006.3590297997
ontime9	8009.5999701619
l2events	78760



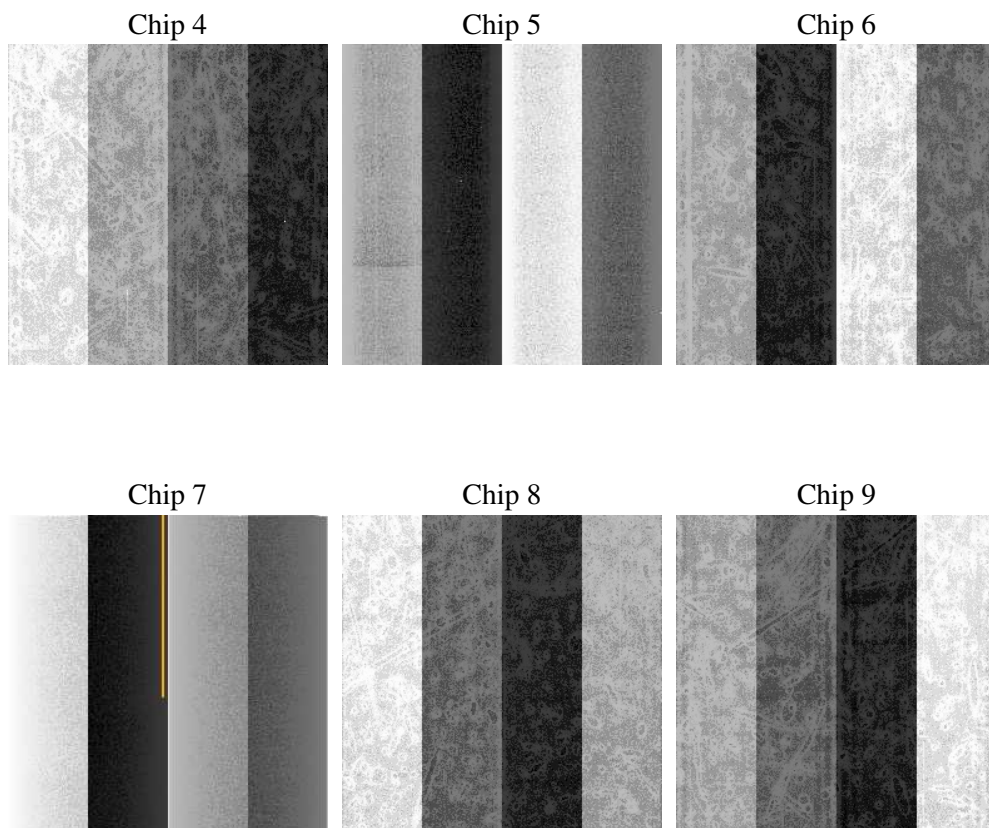
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-23T18:44:45
revision	2

sched_exp_time	8250.000000
ontime	8011.7549277246
ontime4	8014.9957684278
ontime5	8014.9957983196
ontime6	8014.9957684278
ontime7	8014.9957983196
ontime8	8011.7549277246
ontime9	8014.9957983196
l1events	279360

2.1.4 Events

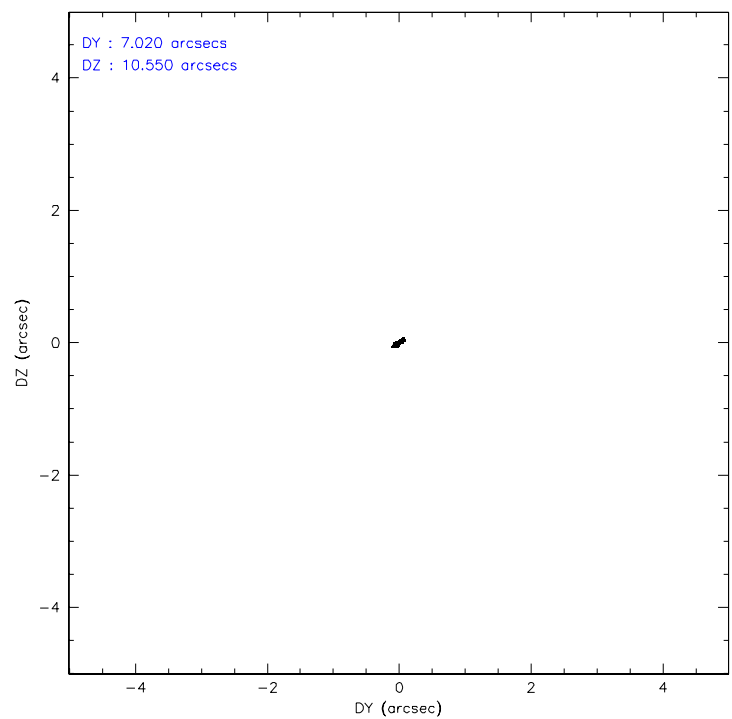
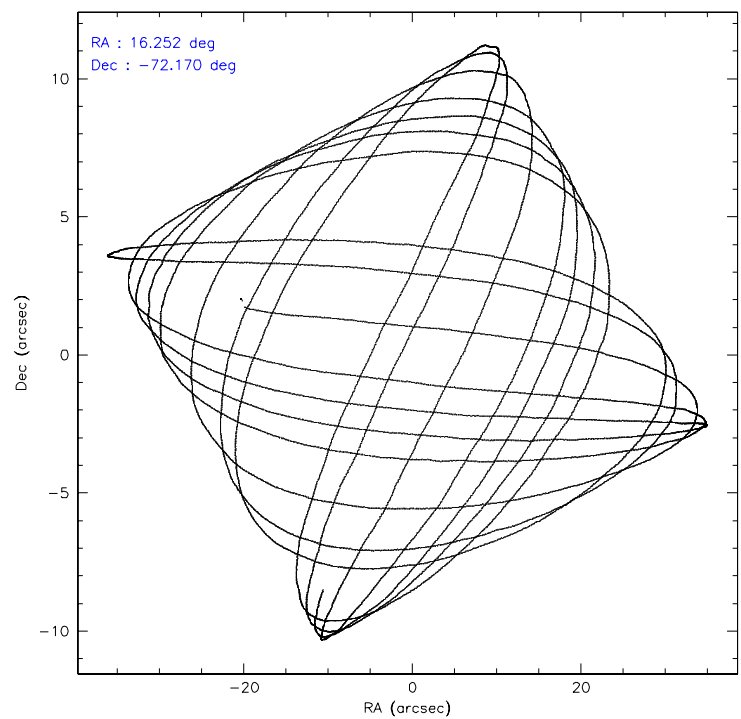
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	43539	48317	35595	36560	73767	41582
rejected events	38102	22310	31433	18836	37474	30594
rejected %	87%	46%	88%	51%	50%	73%

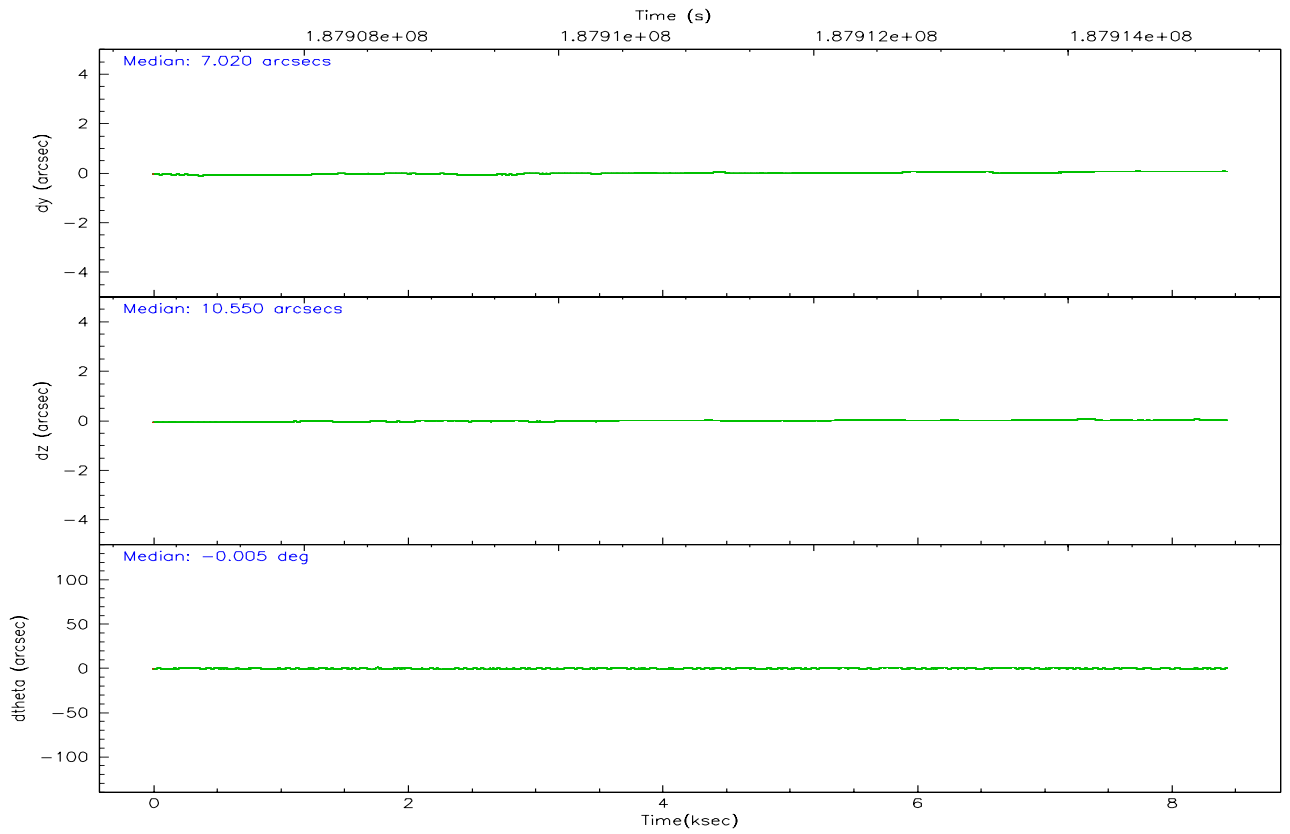
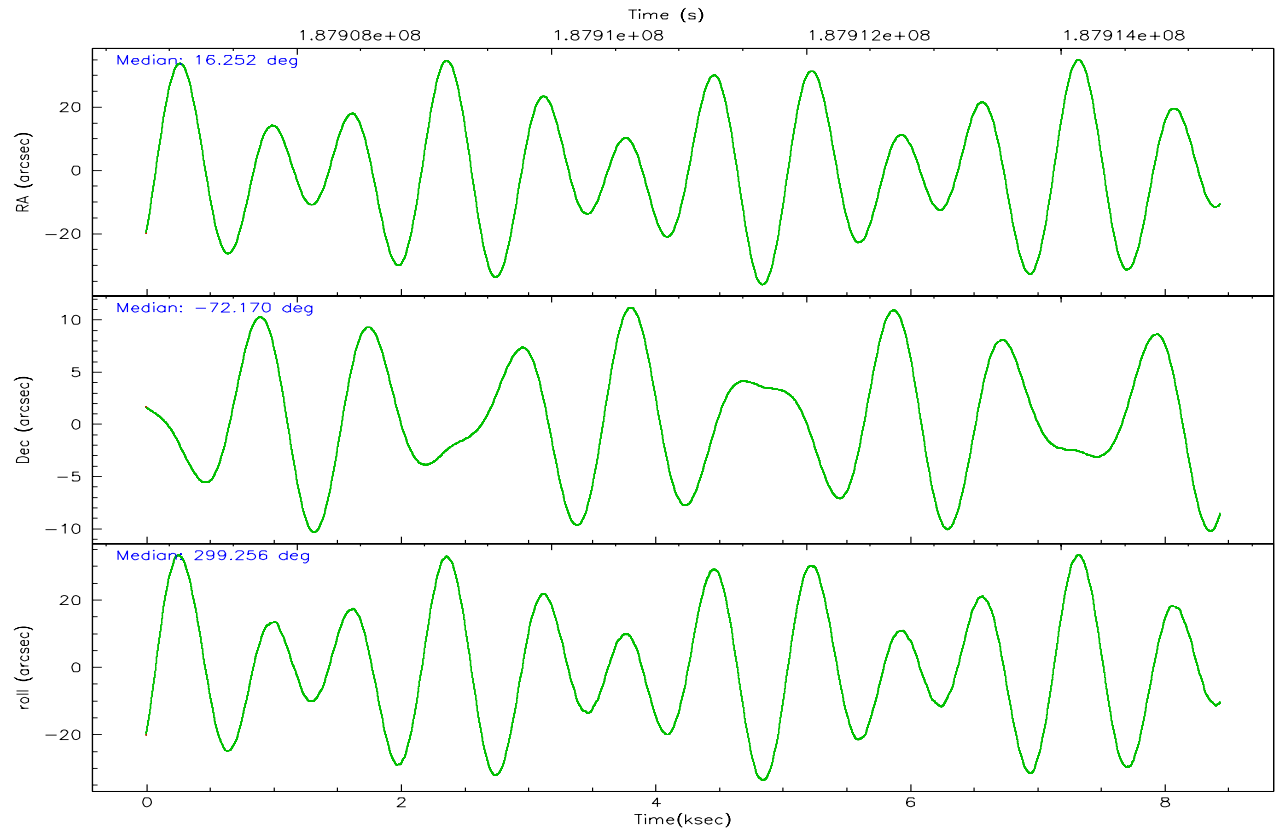
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	2947	4005	1651	1613	26223	8650
	6%	8%	4%	4%	35%	20%
grade 1 events	35	584	15	20	206	45
	0%	1%	0%	0%	0%	0%
grade 2 events	1012	7651	810	4567	4124	769
	2%	15%	2%	12%	5%	1%
grade 3 events	430	759	487	1139	1487	415
	0%	1%	1%	3%	2%	0%
grade 4 events	426	733	412	1149	1407	458
	0%	1%	1%	3%	1%	1%
grade 5 events	1265	2631	1201	2781	1973	1431
	2%	5%	3%	7%	2%	3%
grade 6 events	627	12877	805	9281	3100	705
	1%	26%	2%	25%	4%	1%
grade 7 events	36797	19077	30214	16010	35247	29109
	84%	39%	84%	43%	47%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	16.175119	16.25221639515901	Alternating exposures requested	N	N
Pointing Dec	-72.156143	-72.16977801371023	Primary exposure time	0.000000	3.2
Pointing Roll	299.034582	299.2646004109716			
Window start time	181353664.184000	181353664.184000			
Window stop time	189216064.184000	189216064.184000			
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	187906998.184000	187906622.77477			
Observation start date	2003-12-15T20:22:14	2003-12-15T20:17:02			
Observation end time	187915248.184000	187915382.93765			
Observation end date	2003-12-15T22:39:44	2003-12-15T22:43:02			
Read mode	TIMED	TIMED			

2.3 Aspect



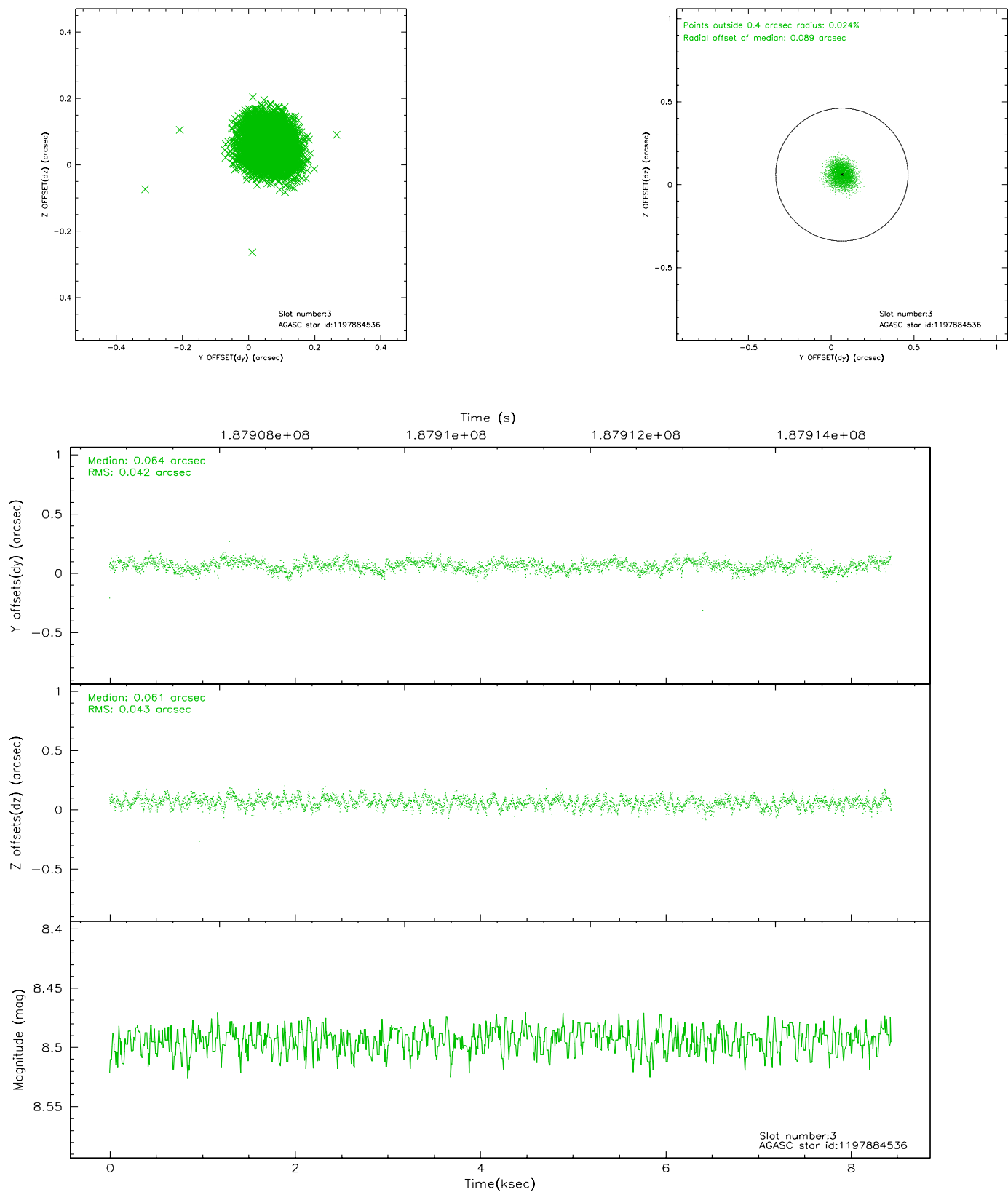


Slot Statistics

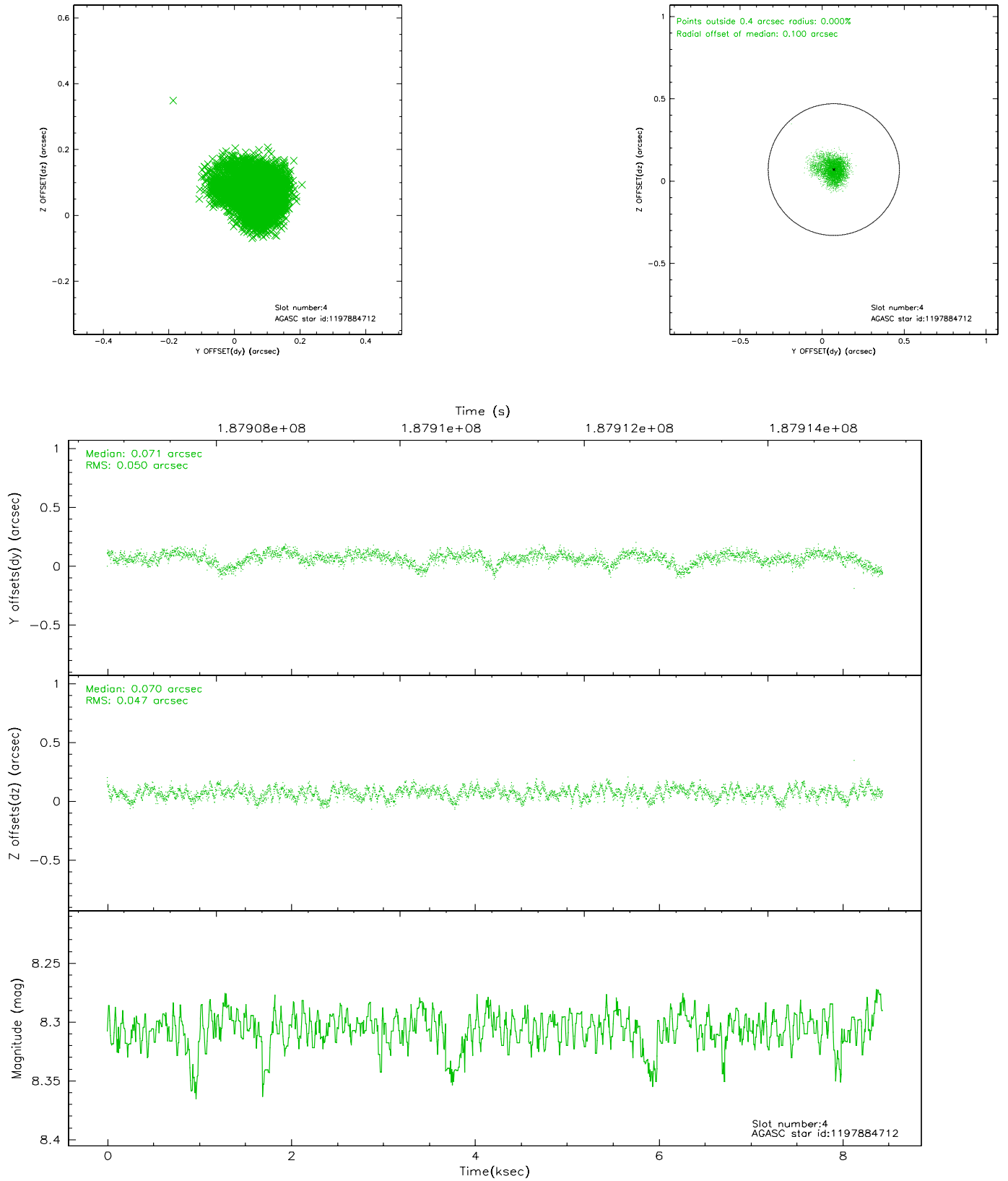
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2059	0.004	-0.027	0.010	0.017	0.000000	0.000000	936.27	-1727.47
1	FID	ACIS-S-5	7.23	2059	-0.003	0.009	0.013	0.021	0.000000	0.000000	-1812.37	169.45
2	FID	ACIS-S-6	7.34	2059	-0.020	0.030	0.011	0.017	0.000000	0.000000	401.09	814.17
3	GUIDE	1197884536	8.49	4118	0.064	0.061	0.064	0.102	17.160729	-71.835289	-465.29	1523.44
4	GUIDE	1197884712	8.31	4118	0.071	0.070	0.072	0.119	16.087398	-72.252690	257.28	-252.27
5	GUIDE	1197885328	7.23	4118	-0.023	-0.047	0.056	0.088	16.283090	-71.733943	-1269.70	844.46
6	GUIDE	1198189696	7.37	4117	-0.061	-0.021	0.058	0.096	15.223750	-72.697522	1216.74	-1839.90
7	GUIDE	1197750936	7.56	4117	-0.043	-0.063	0.054	0.086	15.387940	-71.549550	-2339.04	272.13

2.4 Star Slots

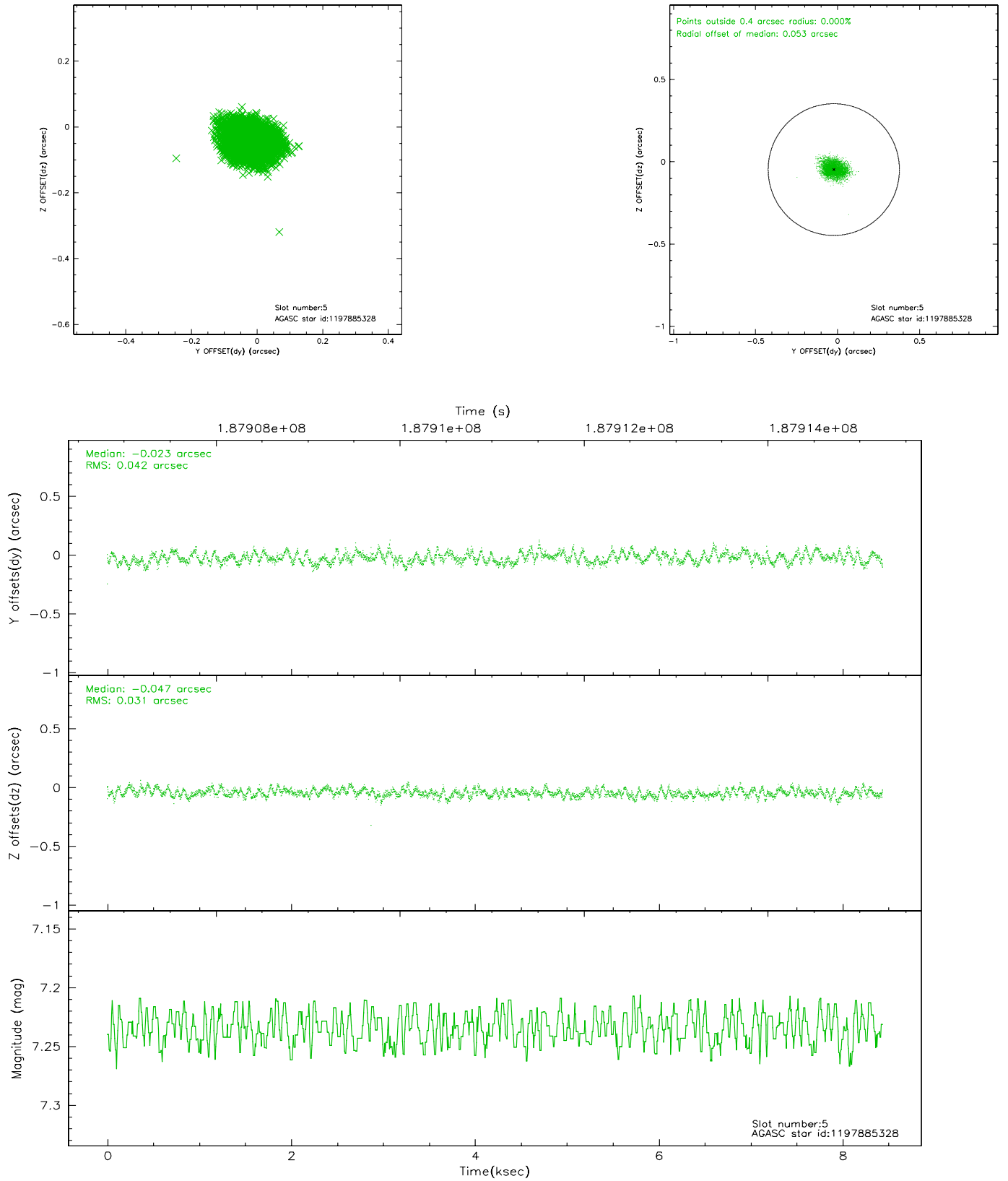
2.4.1 Slot 3



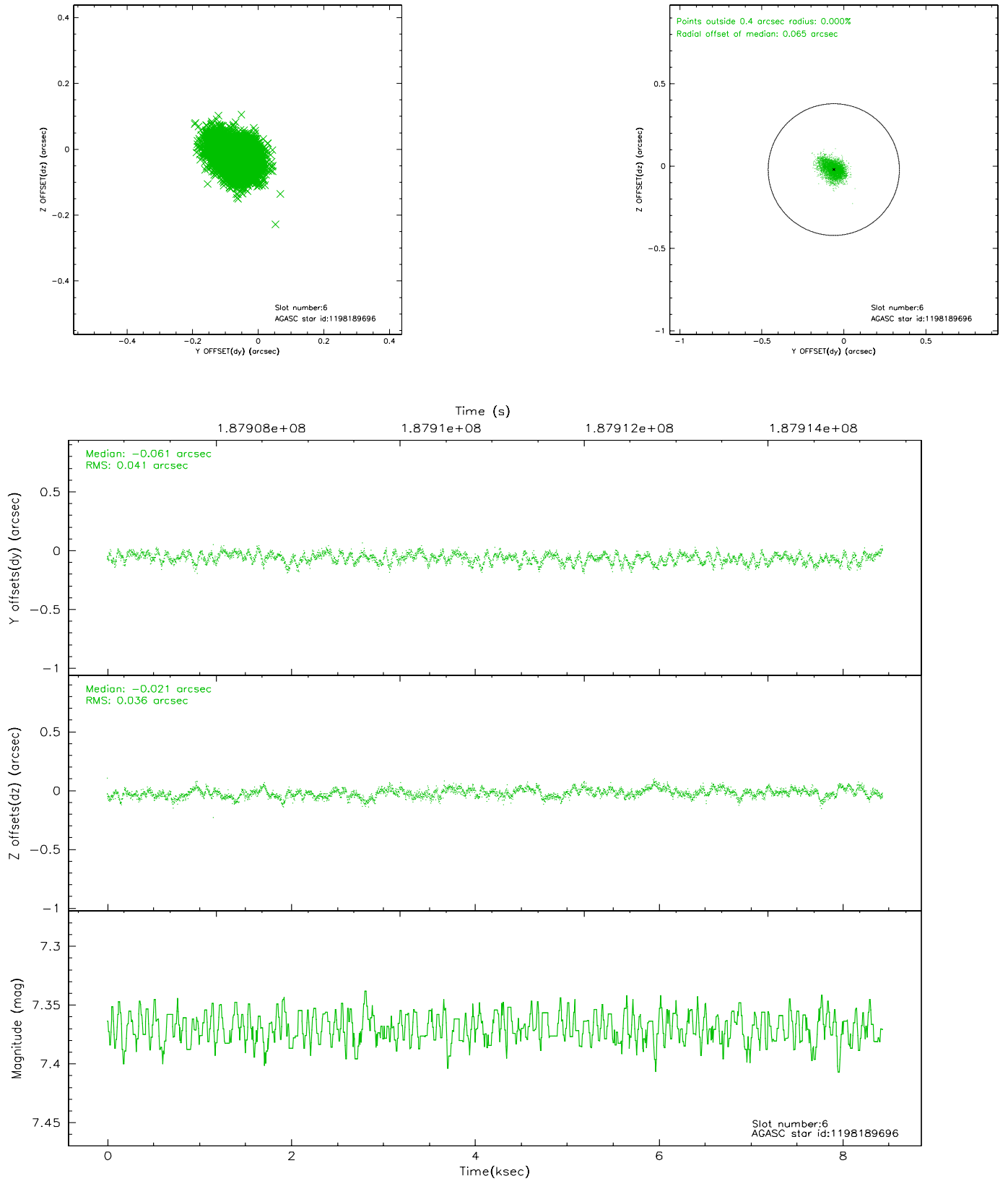
2.4.2 Slot 4



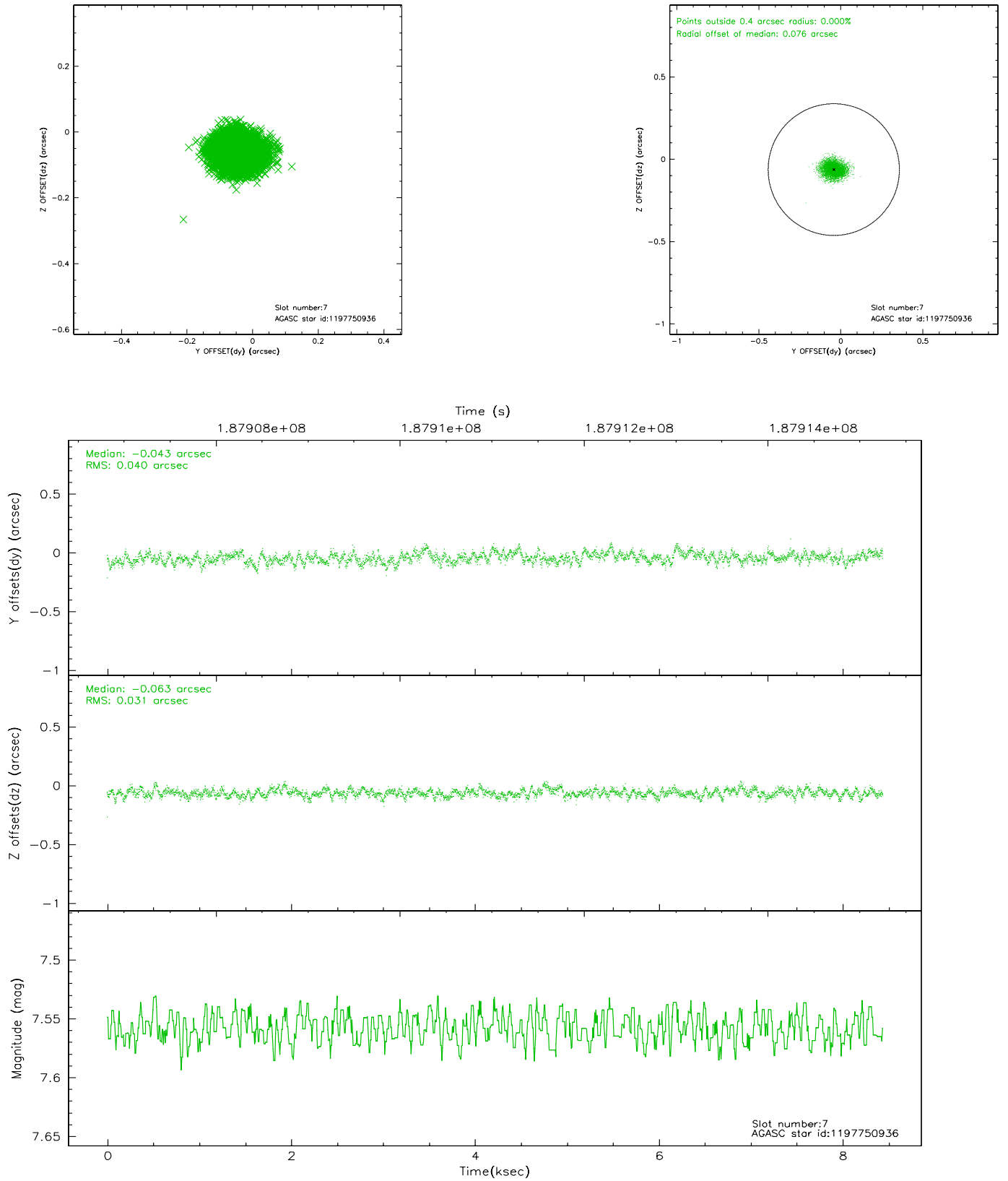
2.4.3 Slot 5



2.4.4 Slot 6

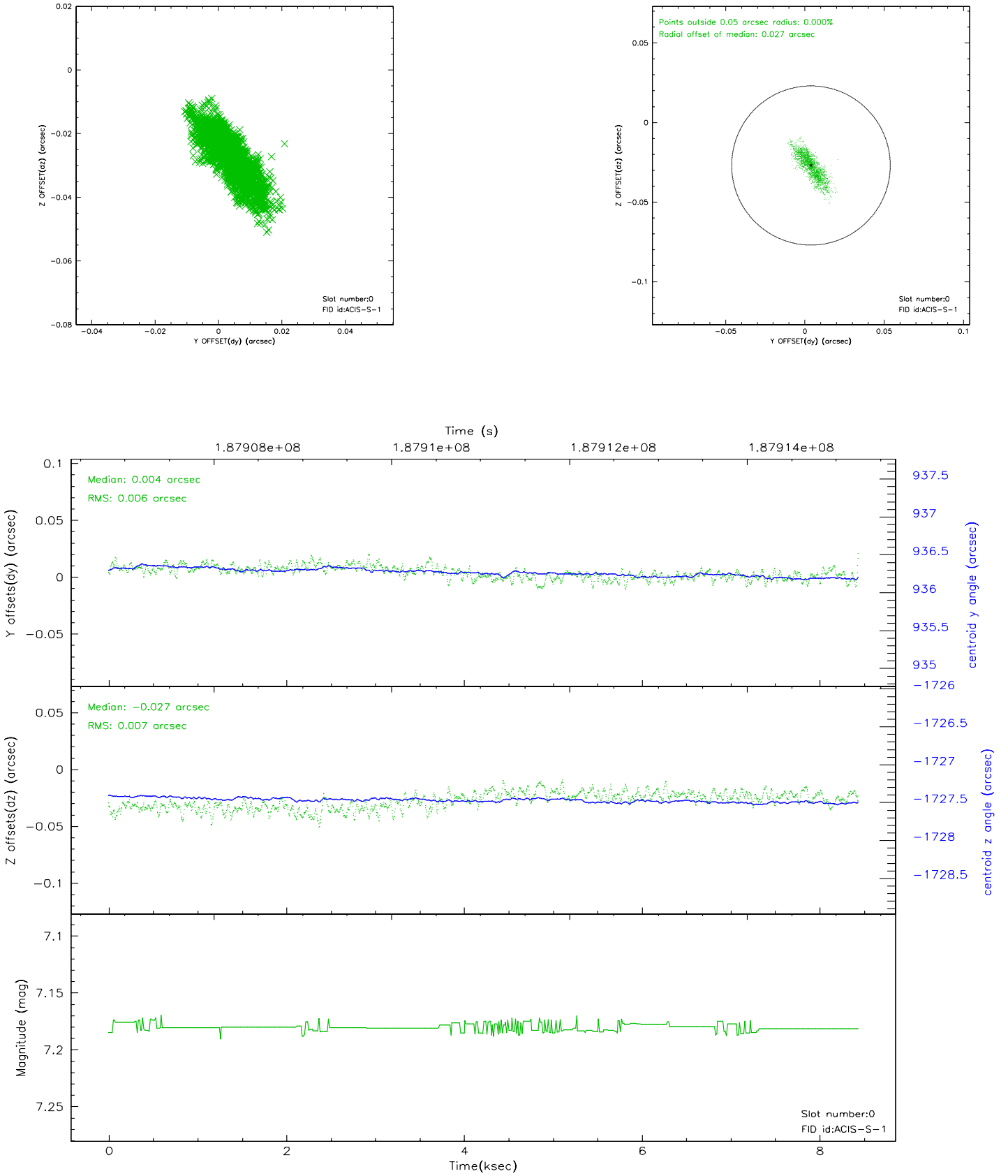


2.4.5 Slot 7

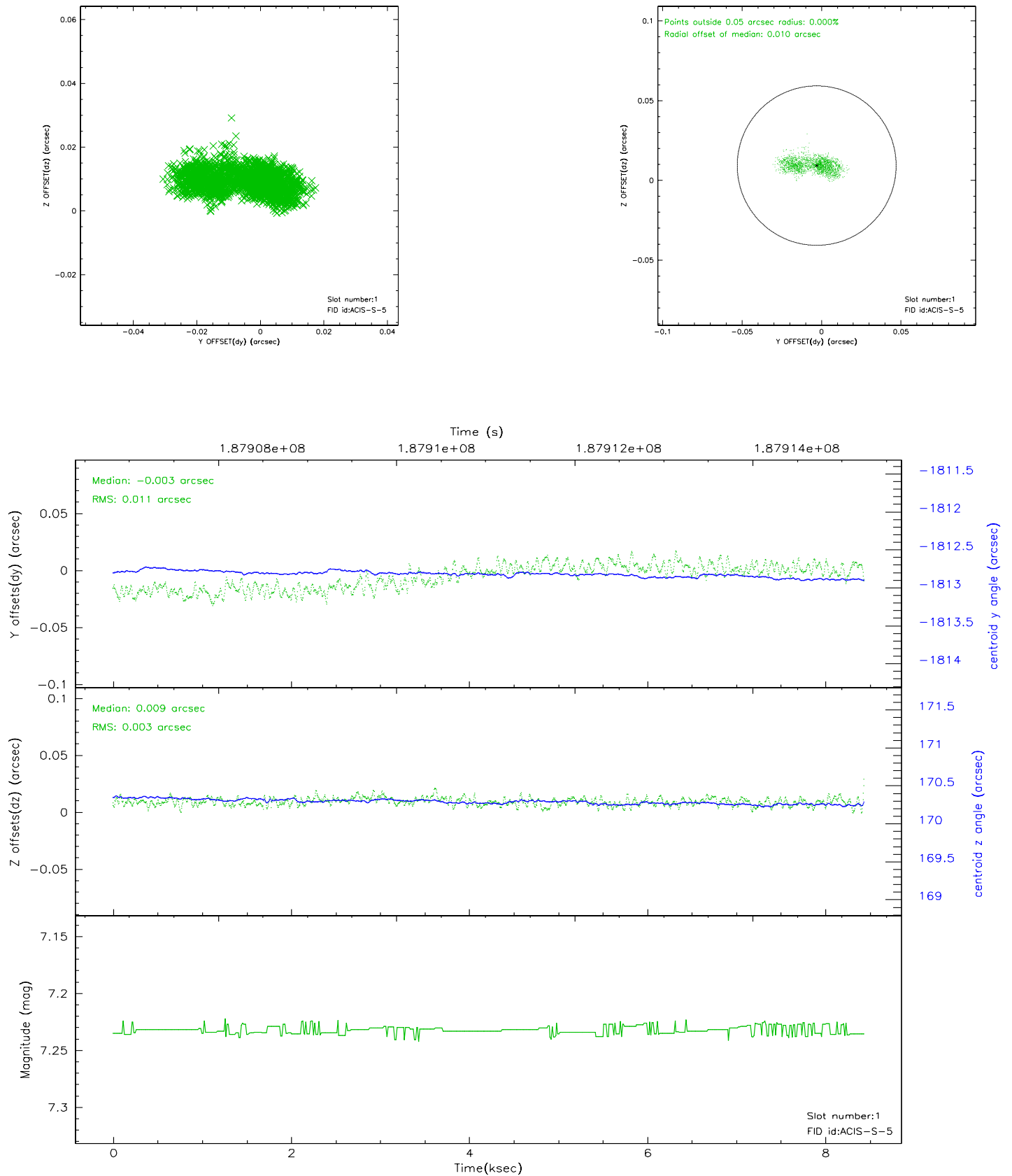


2.5 FID Slots

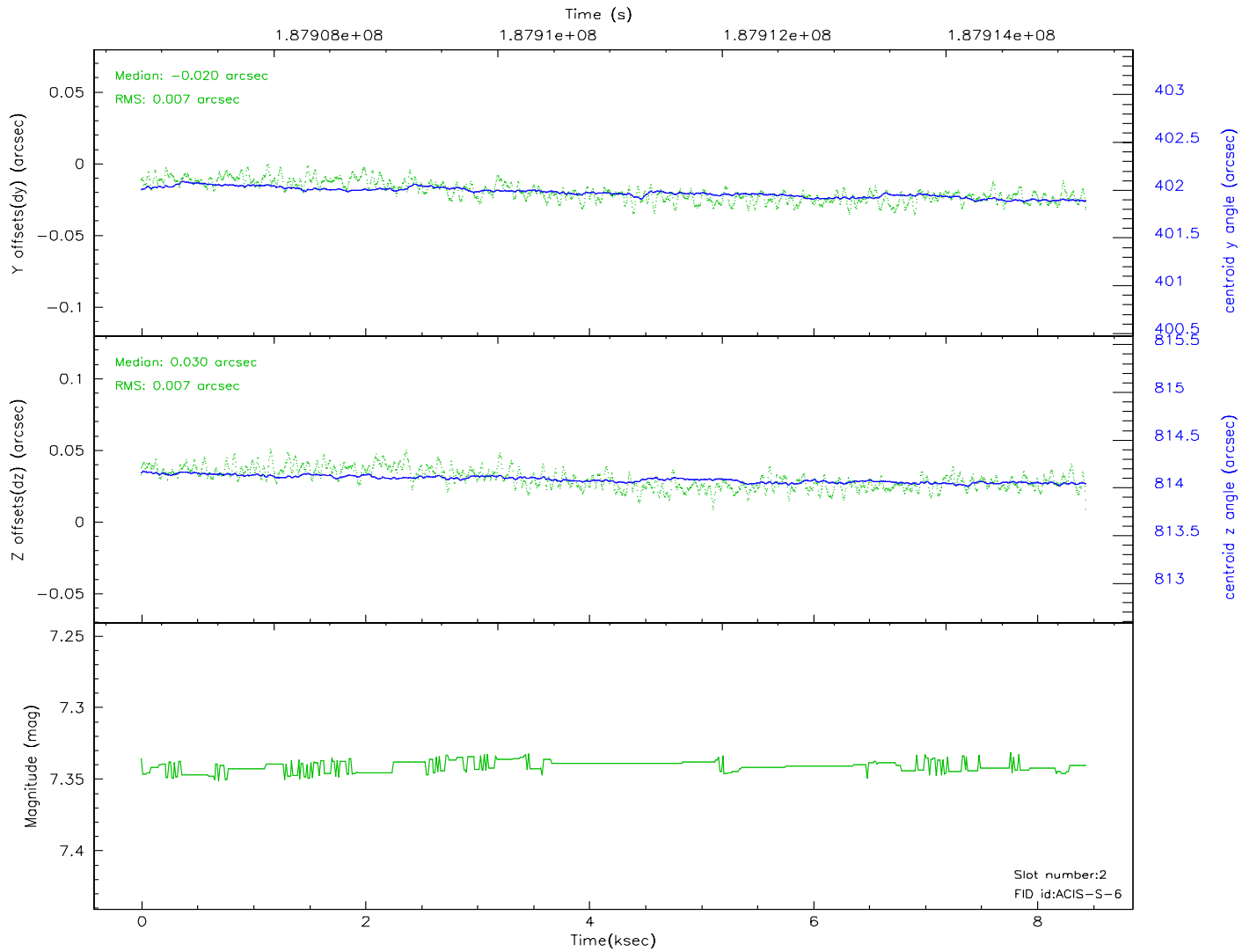
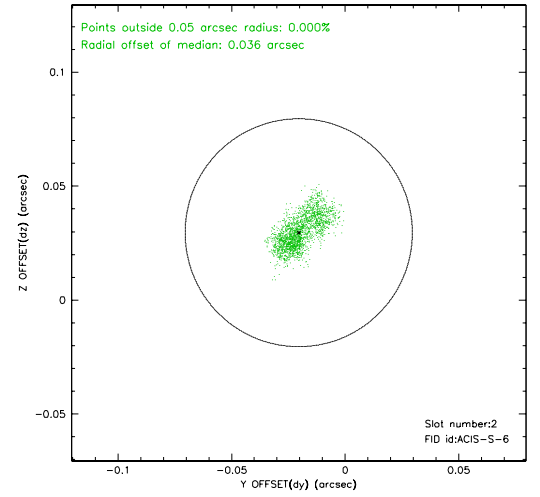
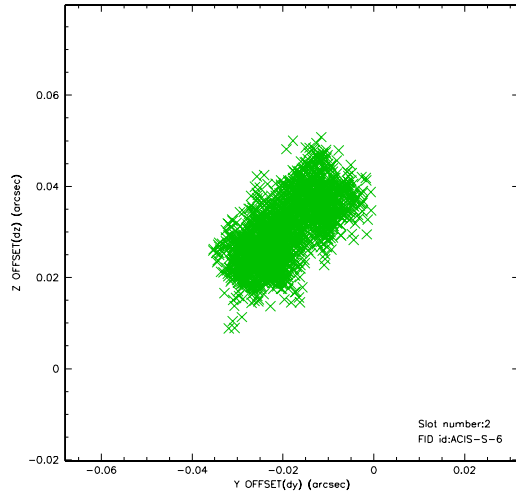
2.5.1 Slot 0



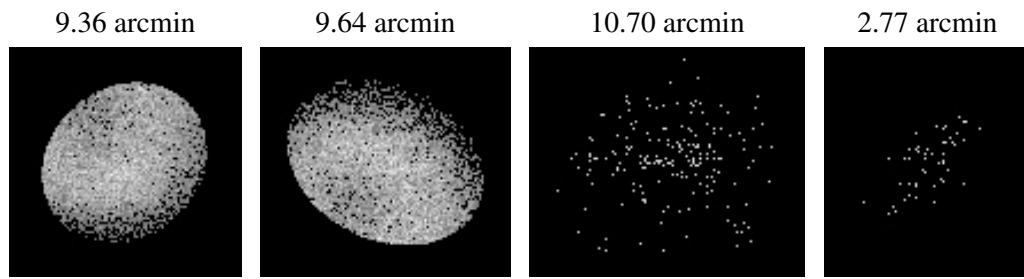
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.009

A.2 Comments

Window constraint met.