

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 5123 - L2 Version 001
Chandra X-Ray Center

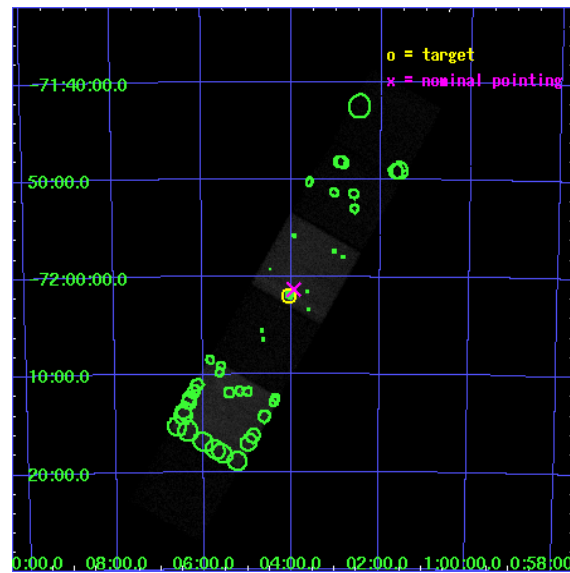
L2 Processing Date : Jun 23 2006

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1 Front

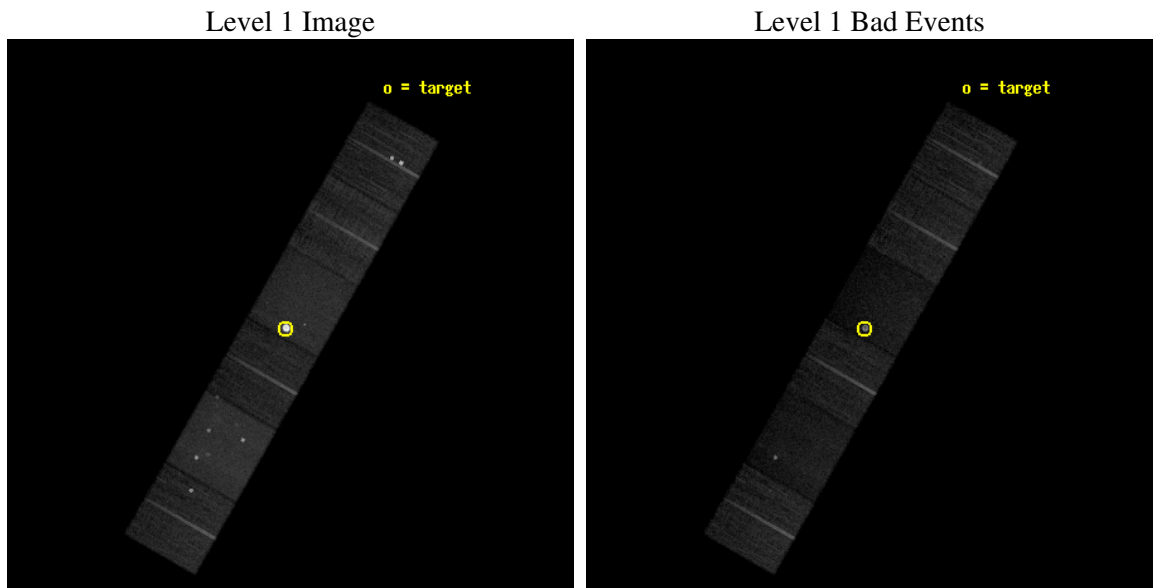
seq_num	590321
obs_id	5123
title	AO5A ACIS-S Calibration Observations of E0102-72
observer	Dr. CXC Calibration
object	E0102-72[S3,-120,1,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	15.985074142683
dec_nom	-72.021849584075
roll_nom	299.6994128382
revision	2
ontime	20582.399923325
livetime	20321.773182262
ontime4	20582.399923325
ontime5	20582.399923325
ontime6	20579.158933133
ontime7	20582.399923325
ontime8	20582.399923325
ontime9	20582.399923325
l2events	326220



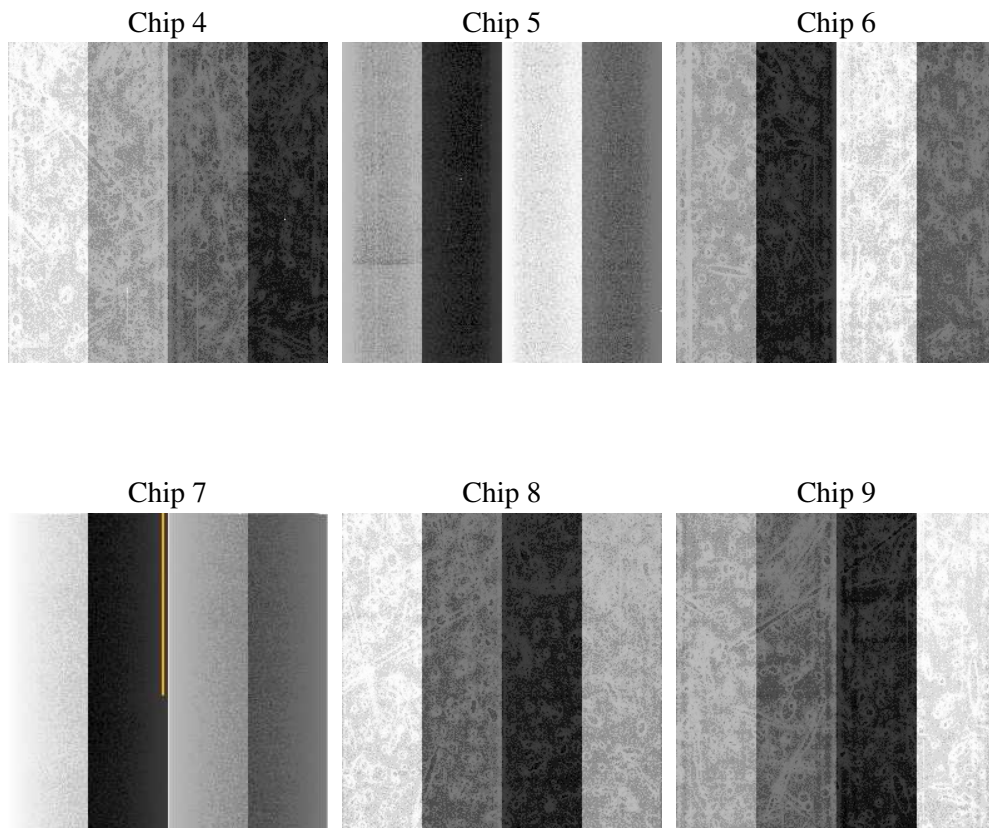
2 OBI

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	2006-06-23T16:44:15
revision	2

sched_exp_time	20624.000000
ontime	20586.835064203
ontime4	20586.835064203
ontime5	20586.835064203
ontime6	20583.594074011
ontime7	20586.835064203
ontime8	20586.835034311
ontime9	20586.835064203
l1events	847268

2.1.4 Events

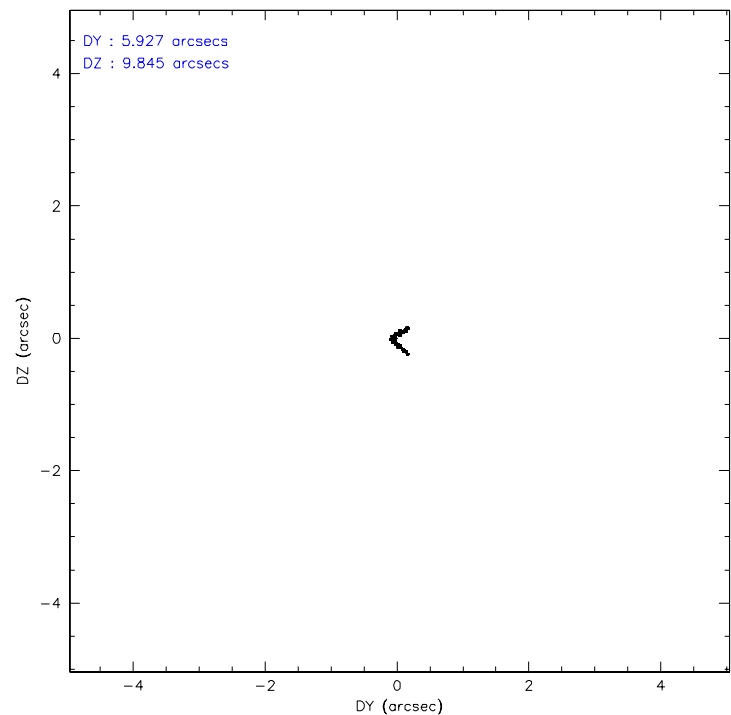
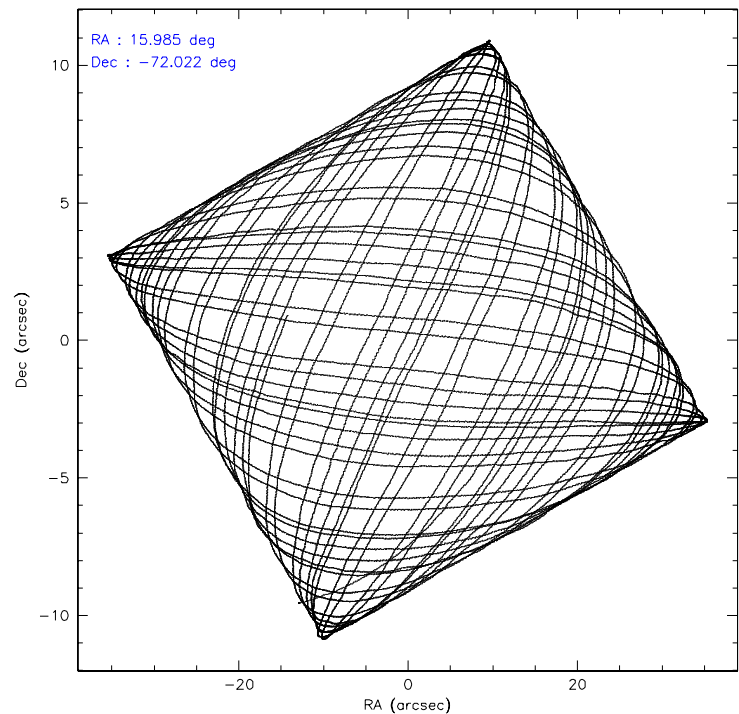
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	109442	147254	95569	263457	116700	114846
rejected events	93936	60935	82020	56262	87606	84432
rejected %	85%	41%	85%	21%	75%	73%

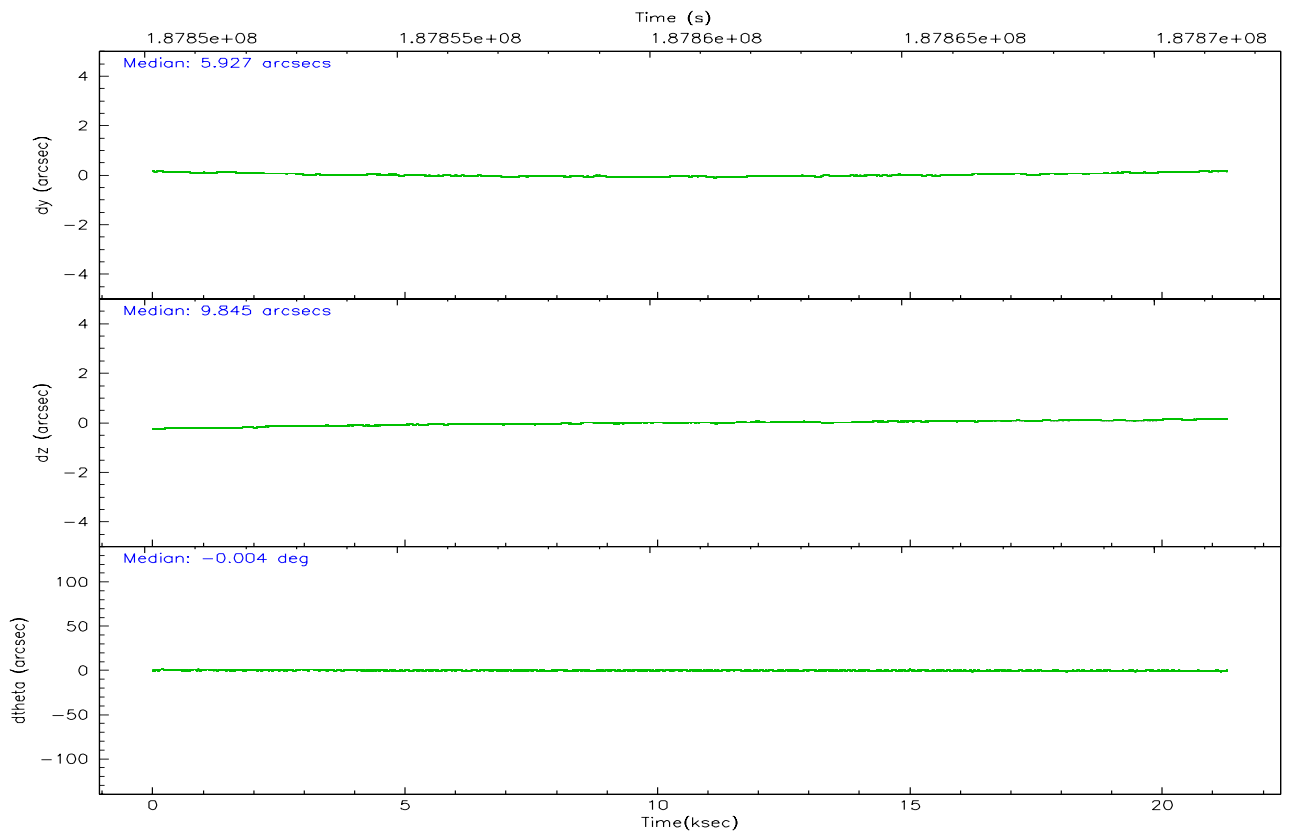
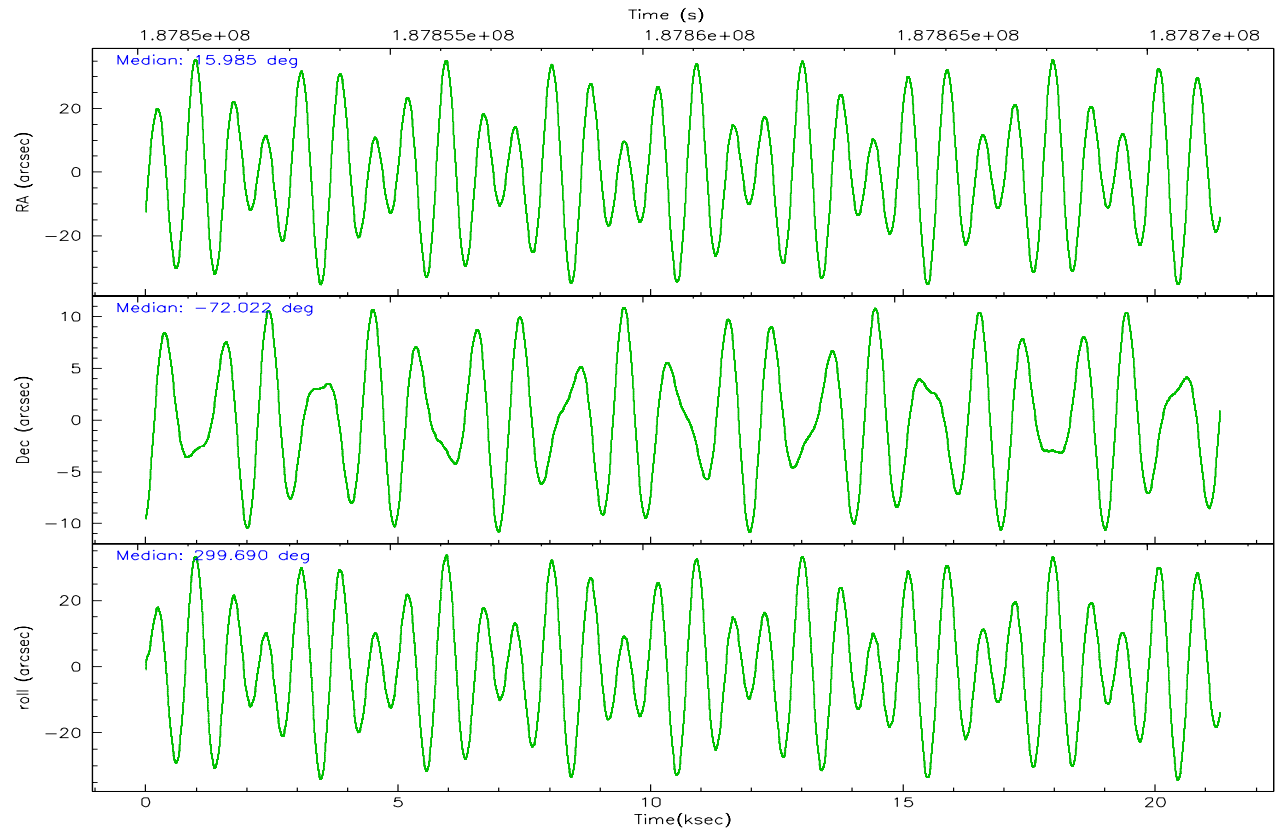
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	9024	12995	6827	47488	9320	23578
	8%	8%	7%	18%	7%	20%
grade 1 events	116	1476	47	819	77	135
	0%	1%	0%	0%	0%	0%
grade 2 events	2477	26742	2459	58022	6493	2217
	2%	18%	2%	22%	5%	1%
grade 3 events	1181	2766	1093	21163	3037	1214
	1%	1%	1%	8%	2%	1%
grade 4 events	1159	2650	1164	20778	2833	1207
	1%	1%	1%	7%	2%	1%
grade 5 events	3291	6802	3276	10011	4816	3688
	3%	4%	3%	3%	4%	3%
grade 6 events	1668	41191	2008	59821	7416	2205
	1%	27%	2%	22%	6%	1%
grade 7 events	90526	52632	78695	45355	82708	80602
	82%	35%	82%	17%	70%	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	15.908376	15.98507414268341	Alternating exposures requested	N	N
Pointing Dec	-72.008421	-72.02184958407459	Primary exposure time	0.000000	3.2
Pointing Roll	299.469828	299.6994128382001			
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	187850824.184000	187849626.6223			
Observation start date	2003-12-15T04:46:00	2003-12-15T04:27:06			
Observation end time	187871448.184000	187871582.63575			
Observation end date	2003-12-15T10:29:44	2003-12-15T10:33:02			
Read mode	TIMED	TIMED			

2.3 Aspect



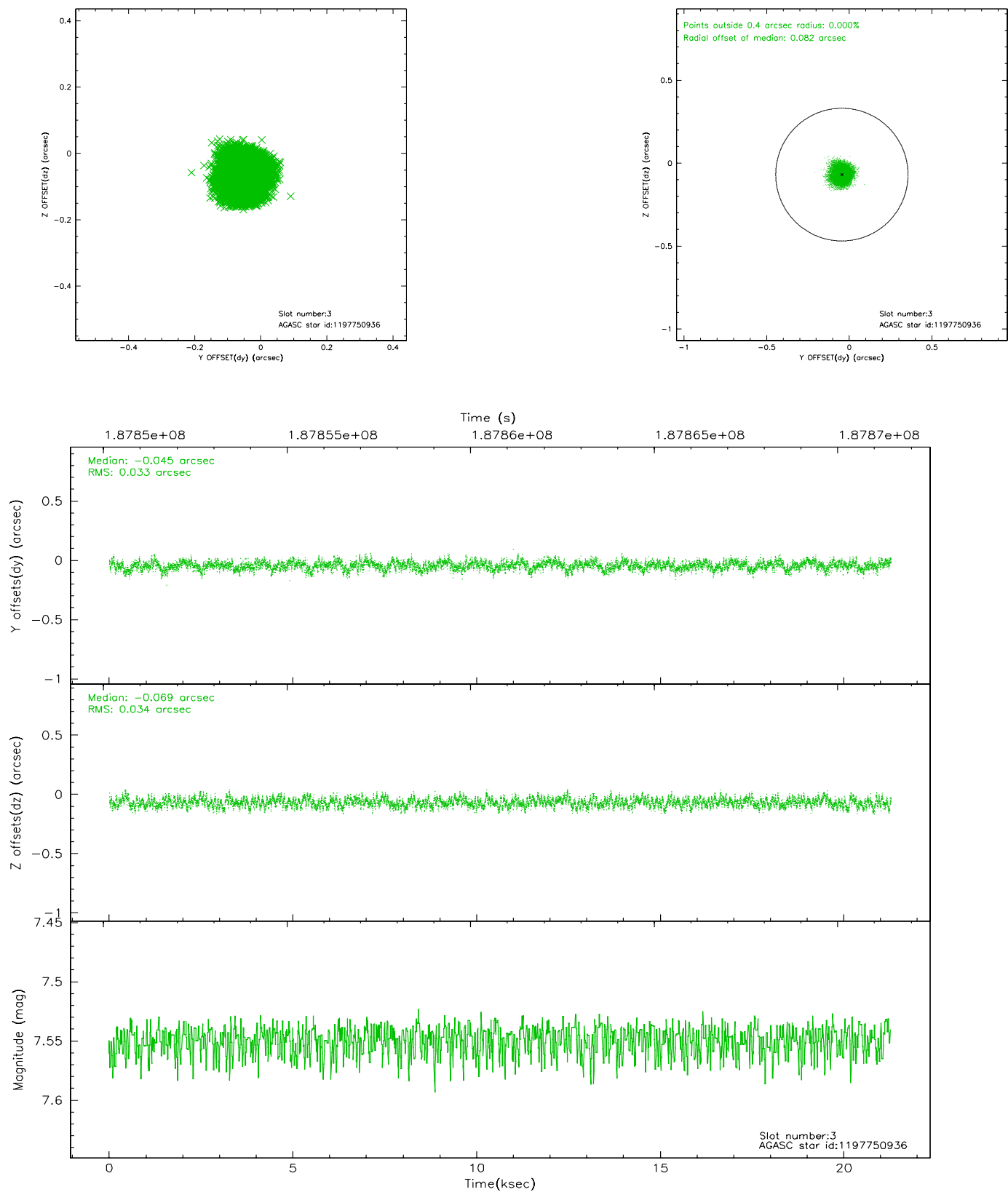


Slot Statistics

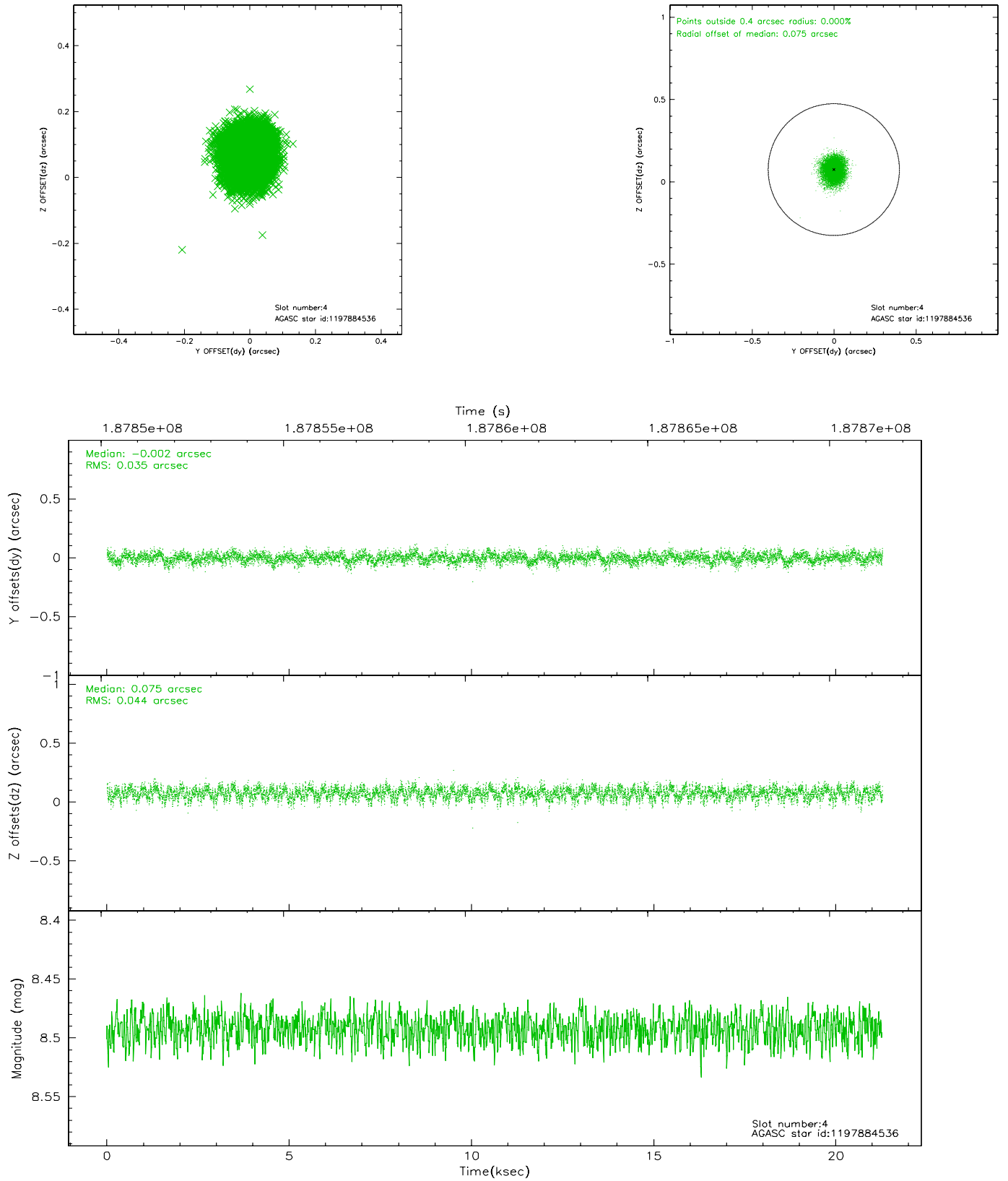
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	5191	-0.042	-0.017	0.006	0.011	0.000000	0.000000	-758.71	-1731.09
1	FID	ACIS-S-4	7.20	5191	0.015	0.032	0.006	0.009	0.000000	0.000000	2154.55	177.27
2	FID	ACIS-S-6	7.34	5191	-0.002	-0.008	0.007	0.012	0.000000	0.000000	403.53	814.81
3	GUIDE	1197750936	7.55	10381	-0.045	-0.069	0.052	0.081	15.387940	-71.549550	-1727.40	294.95
4	GUIDE	1197884536	8.49	10379	-0.002	0.075	0.061	0.096	17.160729	-71.835289	161.30	1523.26
5	GUIDE	1197884712	8.31	10379	0.111	0.049	0.048	0.078	16.087398	-72.252690	862.89	-261.28
6	GUIDE	1197885328	7.23	10382	0.024	-0.024	0.047	0.077	16.283090	-71.733943	-650.91	853.99
7	GUIDE	1198189696	7.38	10380	-0.087	-0.030	0.047	0.076	15.223750	-72.697522	1803.26	-1860.25

2.4 Star Slots

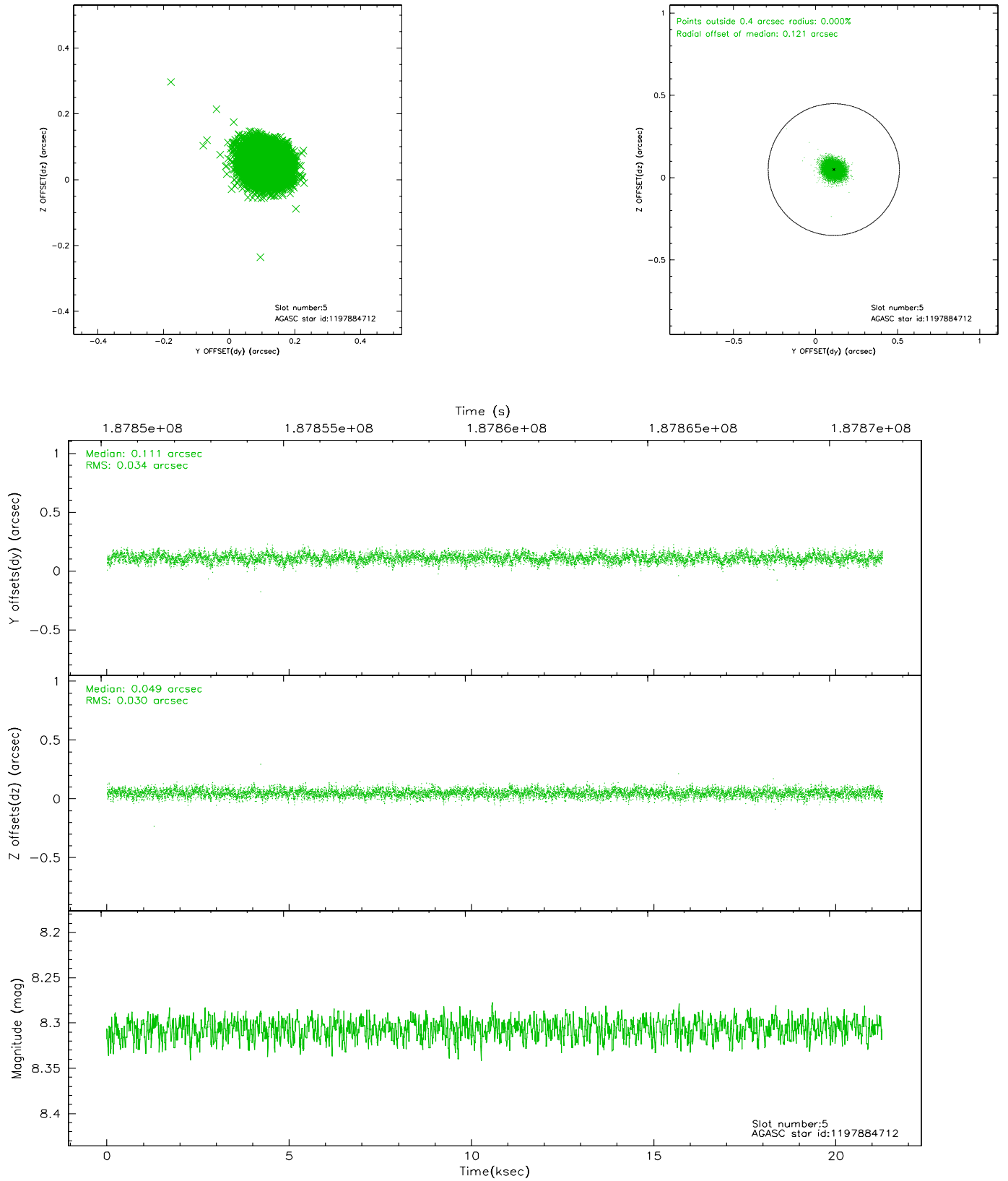
2.4.1 Slot 3



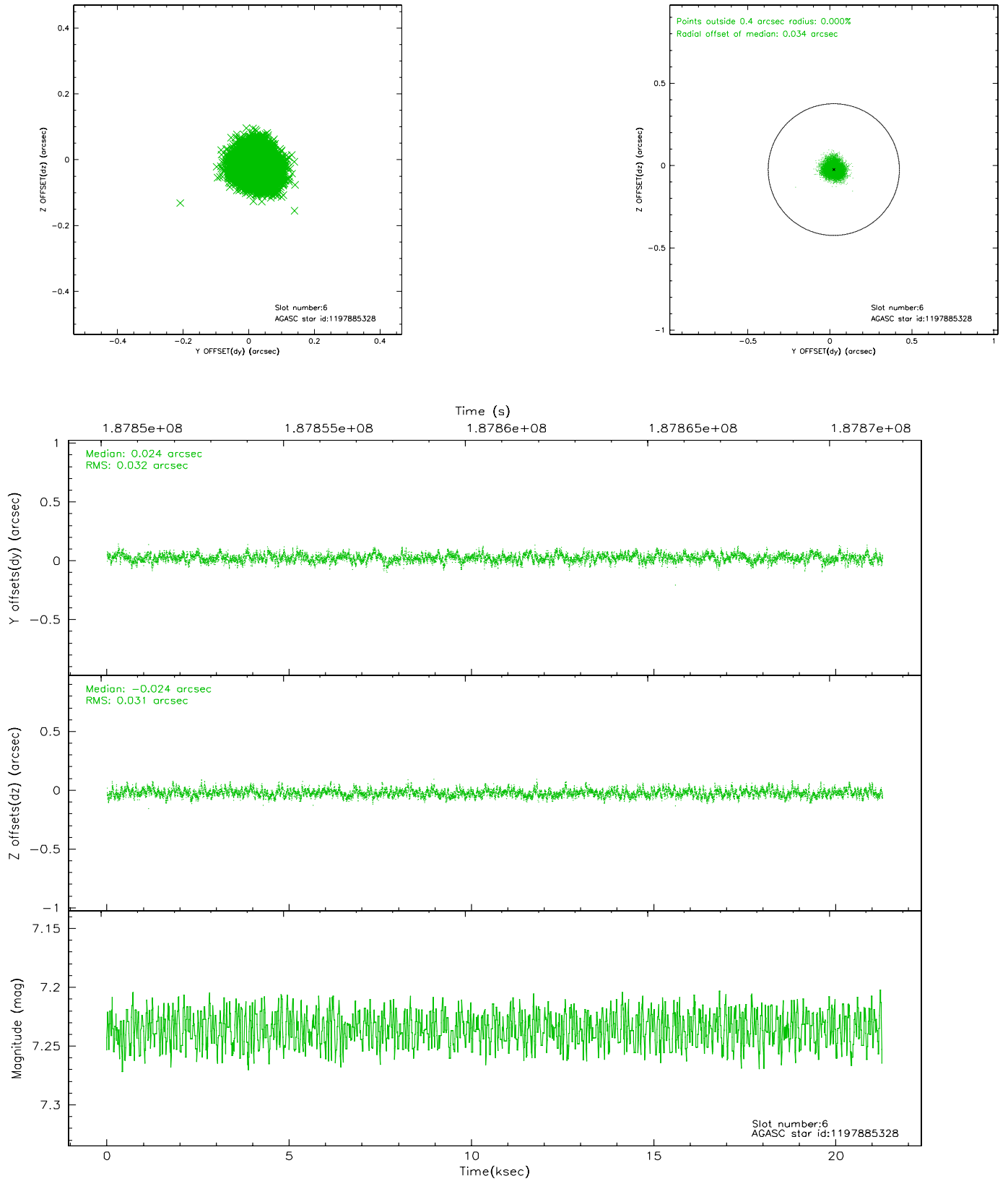
2.4.2 Slot 4



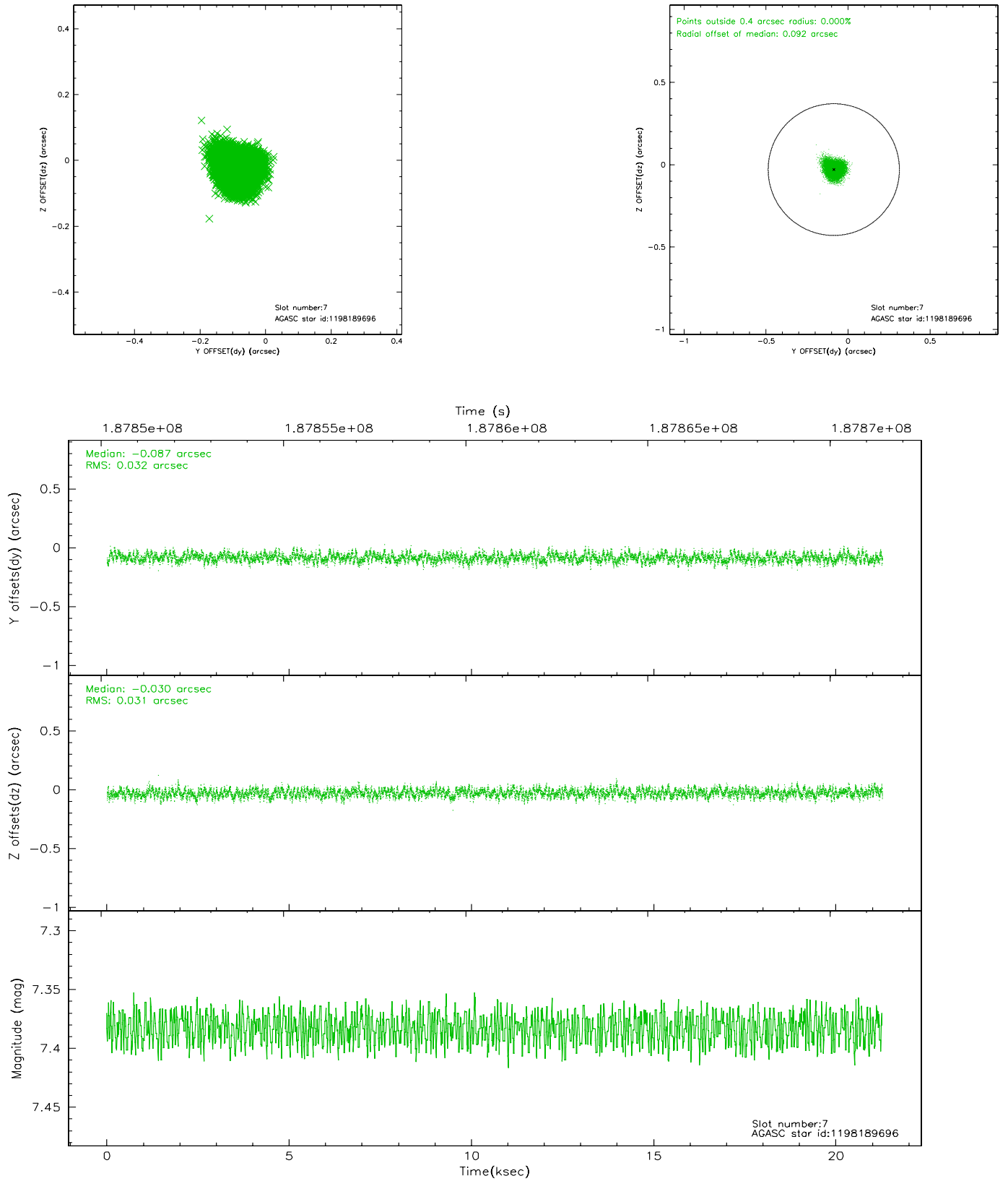
2.4.3 Slot 5



2.4.4 Slot 6

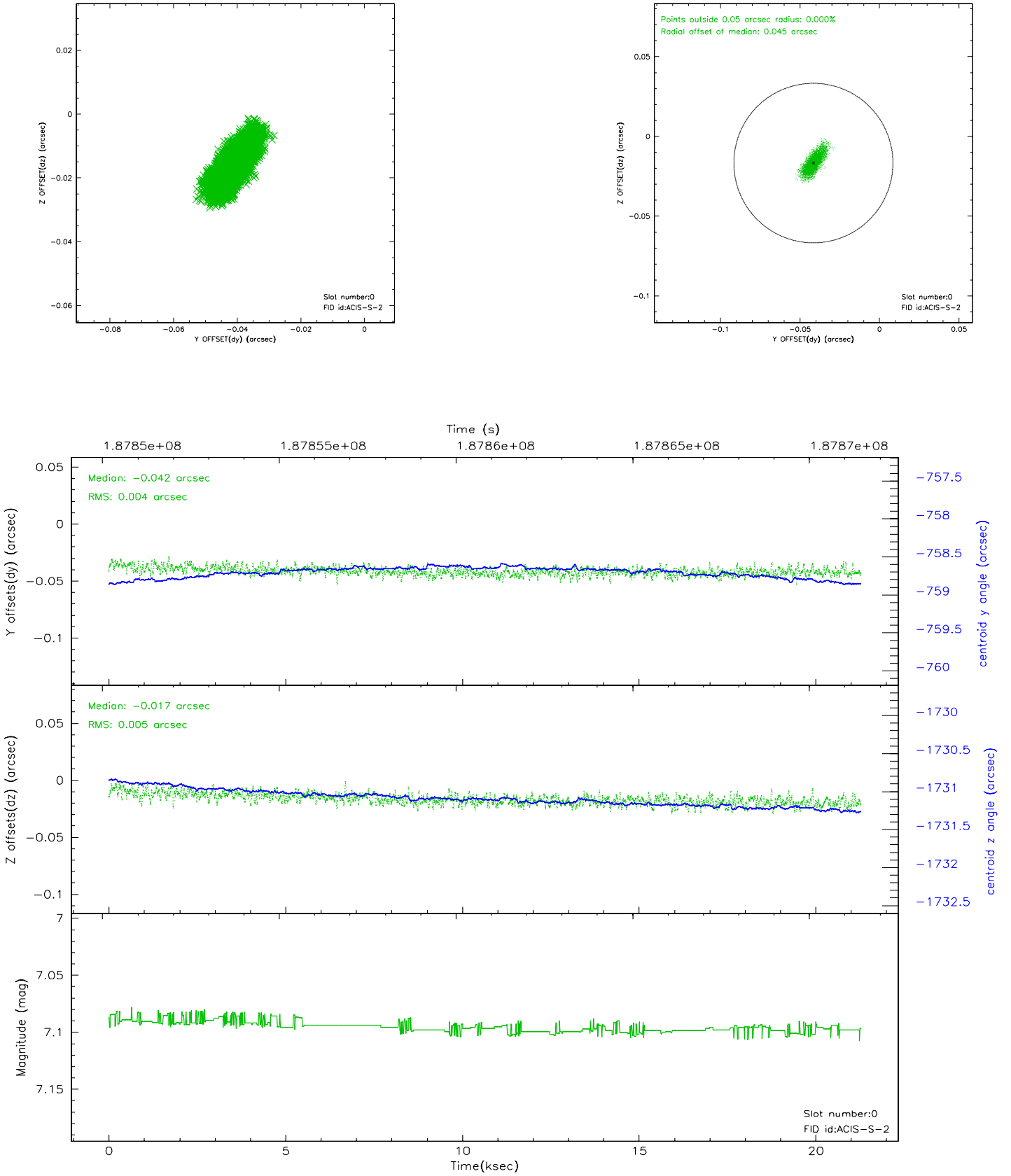


2.4.5 Slot 7

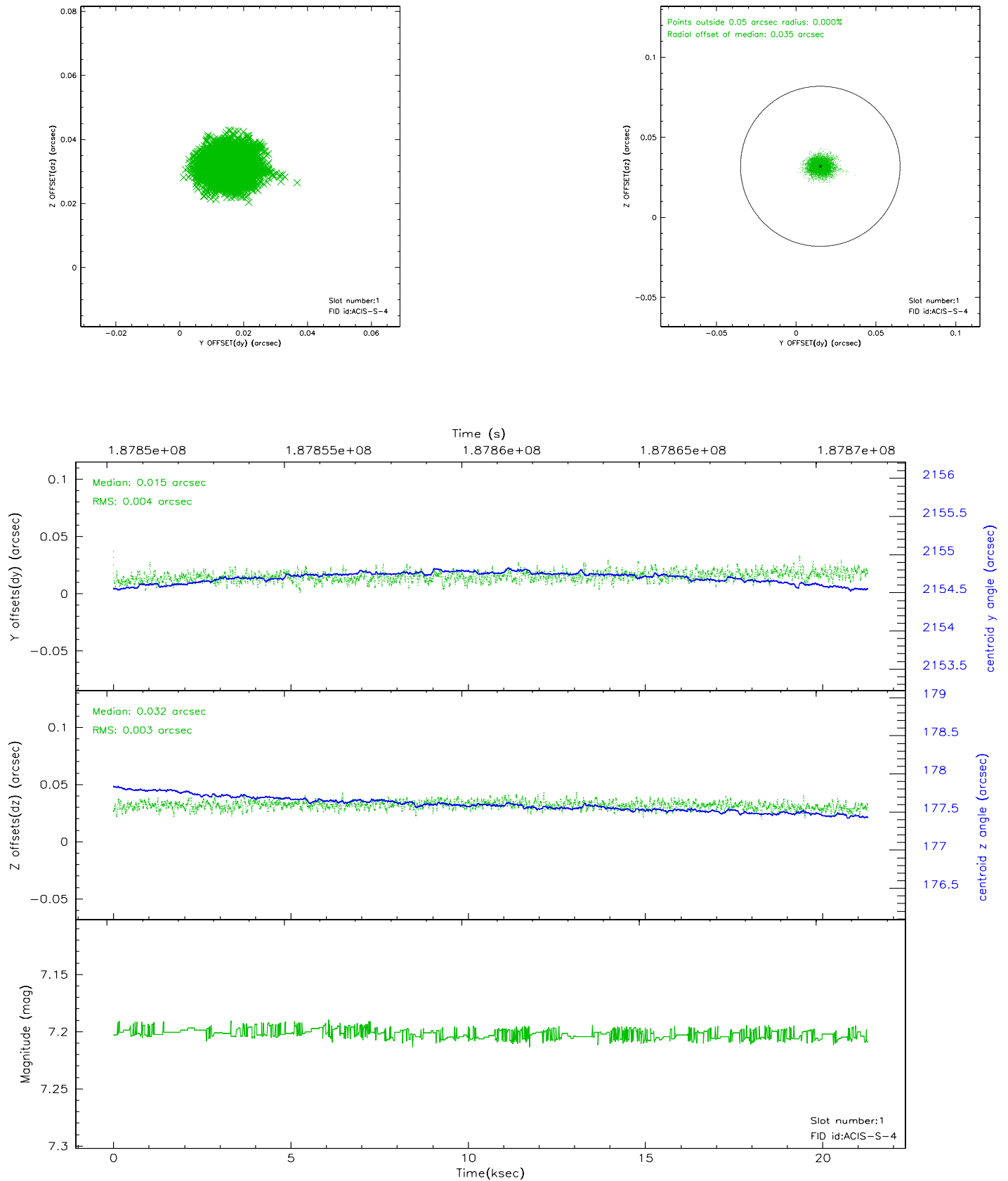


2.5 FID Slots

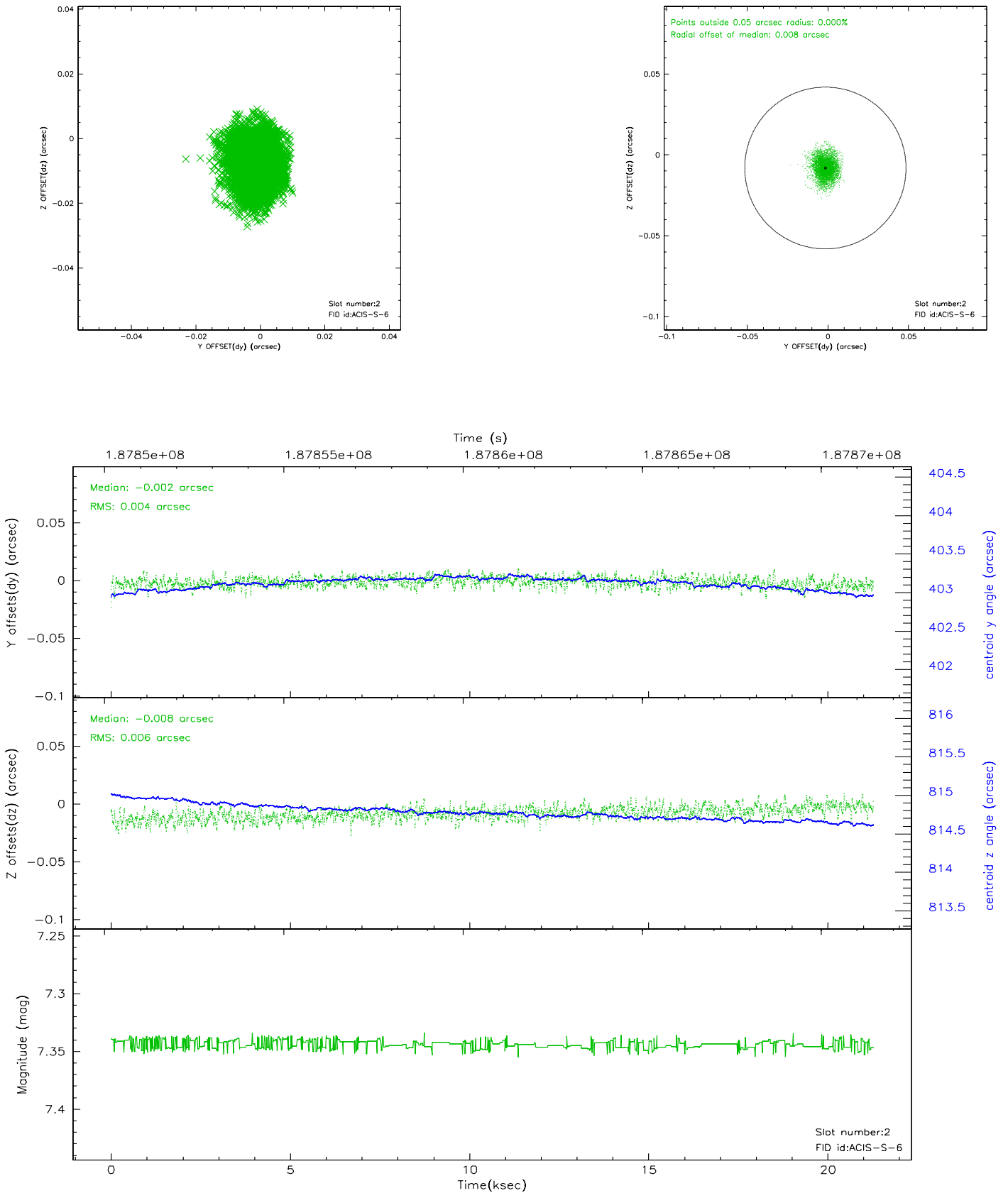
2.5.1 Slot 0



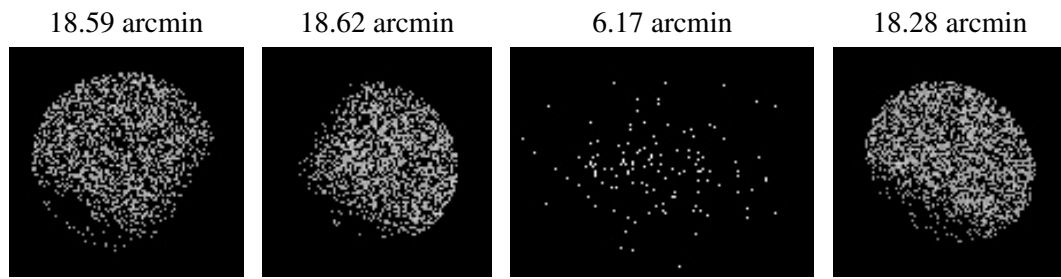
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.585

A.2 Comments

Window constraint met.