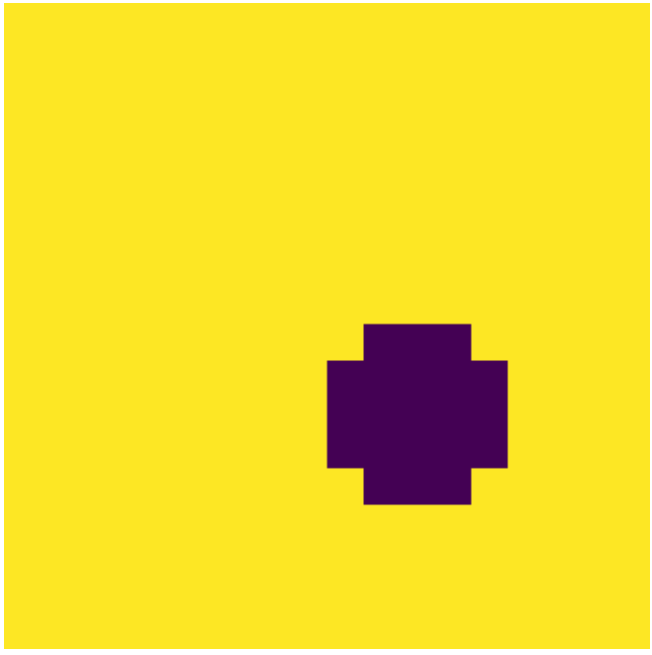
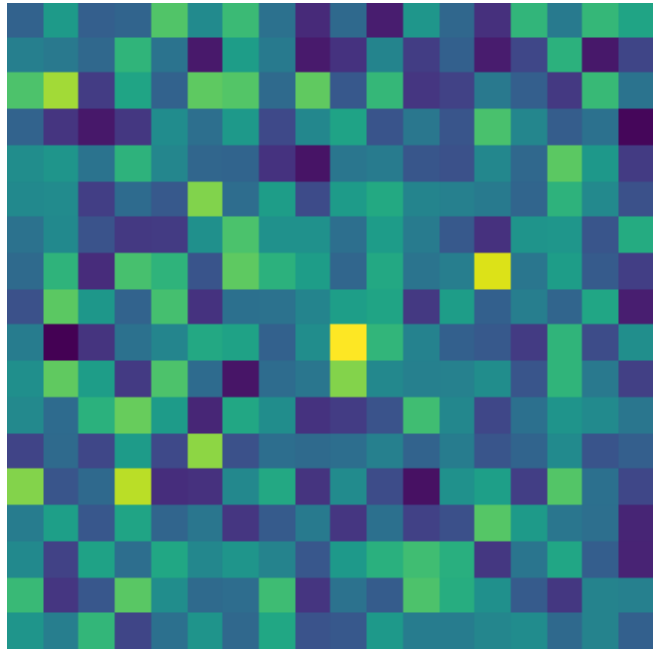
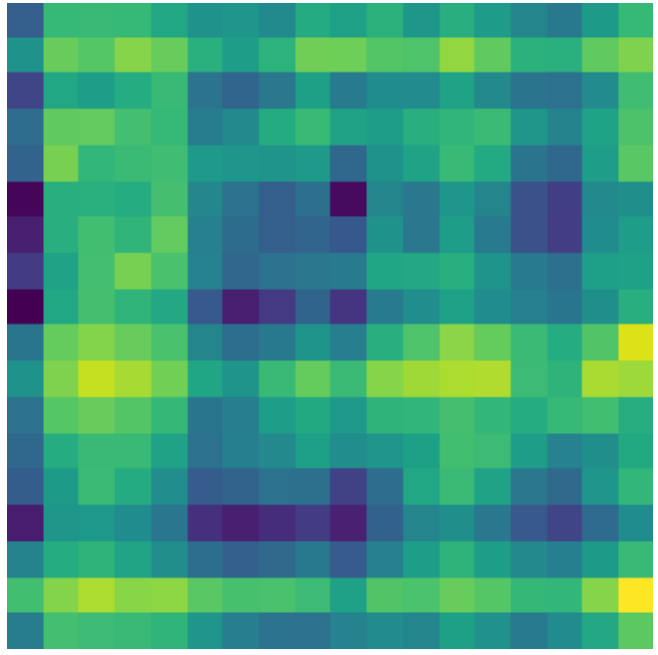
true |J| (axial slice)



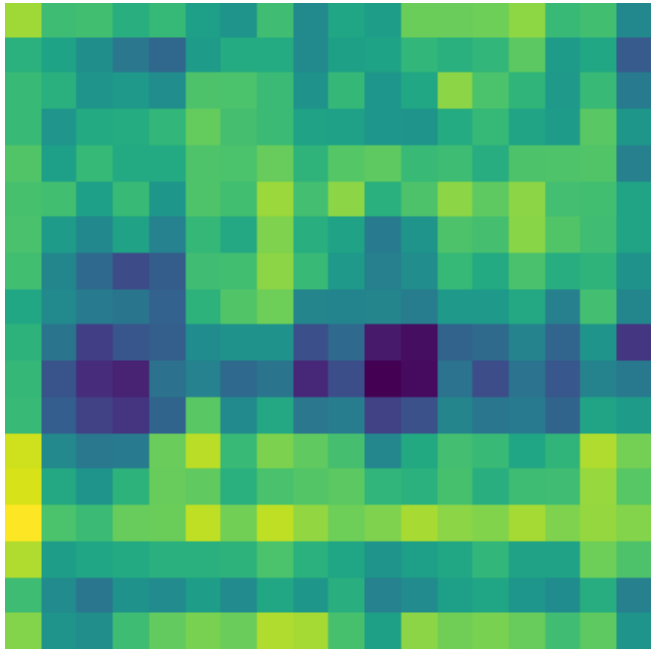
noisy |B| (axial slice)



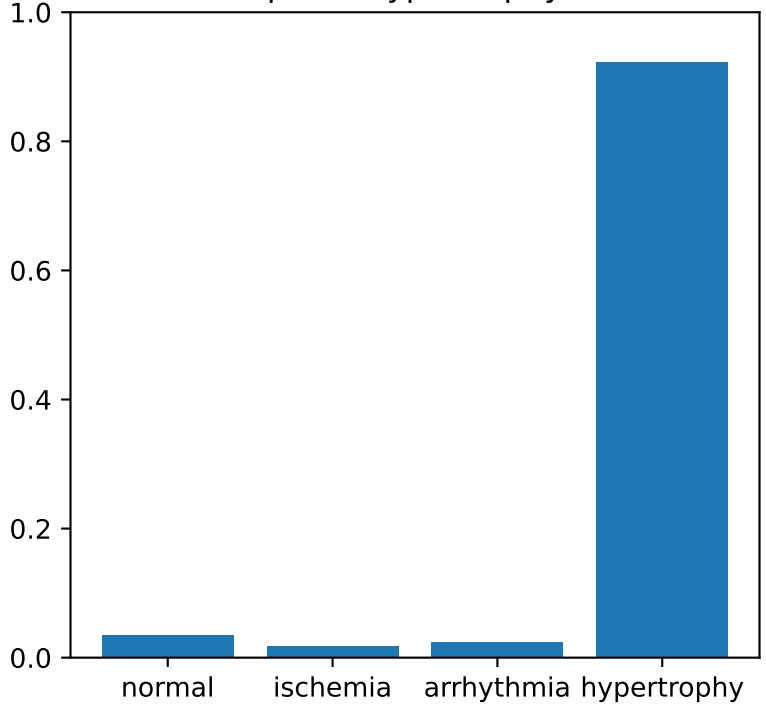
recon mean |J| (axial slice)



recon std |J| (axial slice)

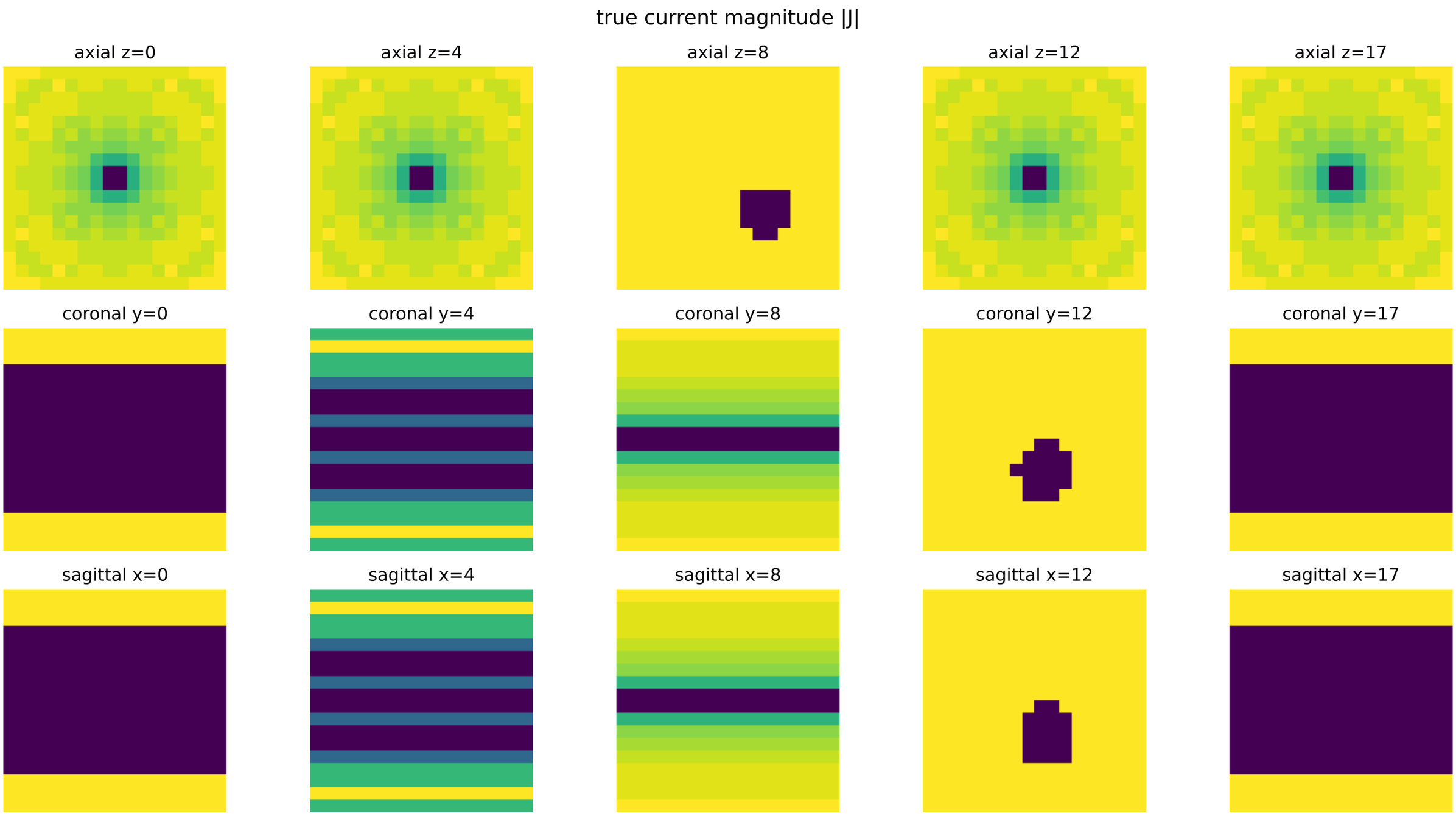


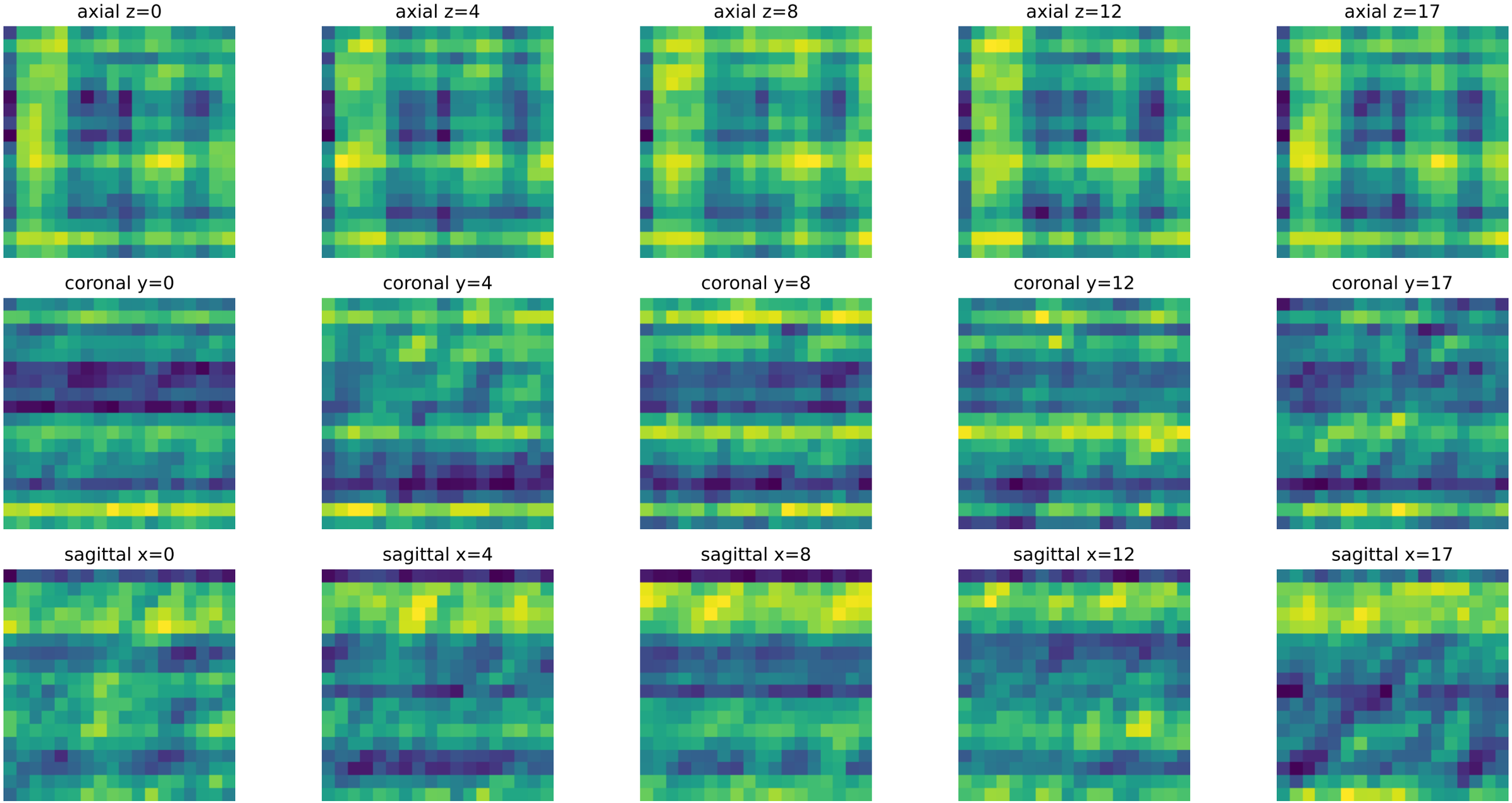
class probs (deterministic)
pred=hypertrophy

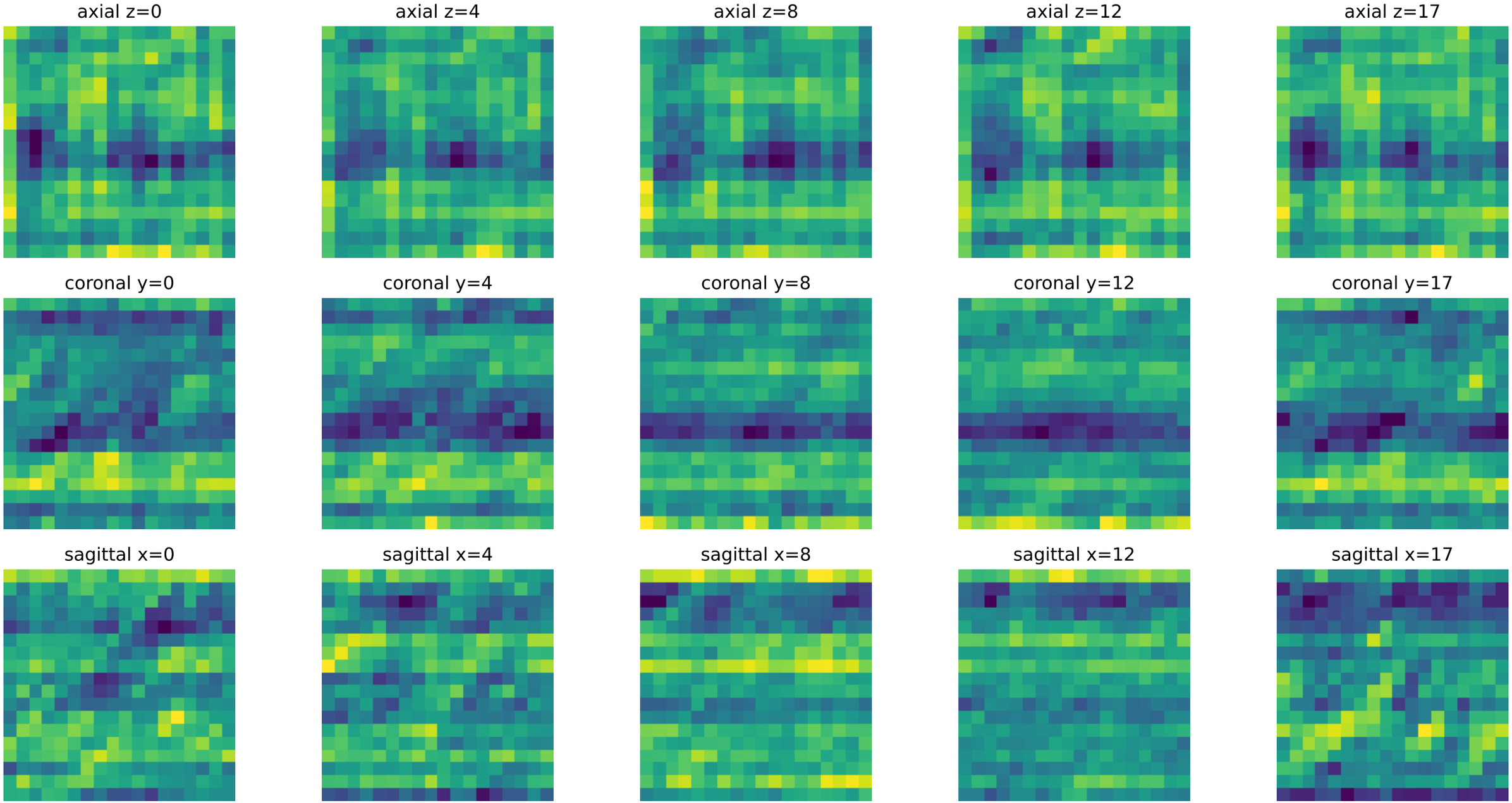


voxel-derived features

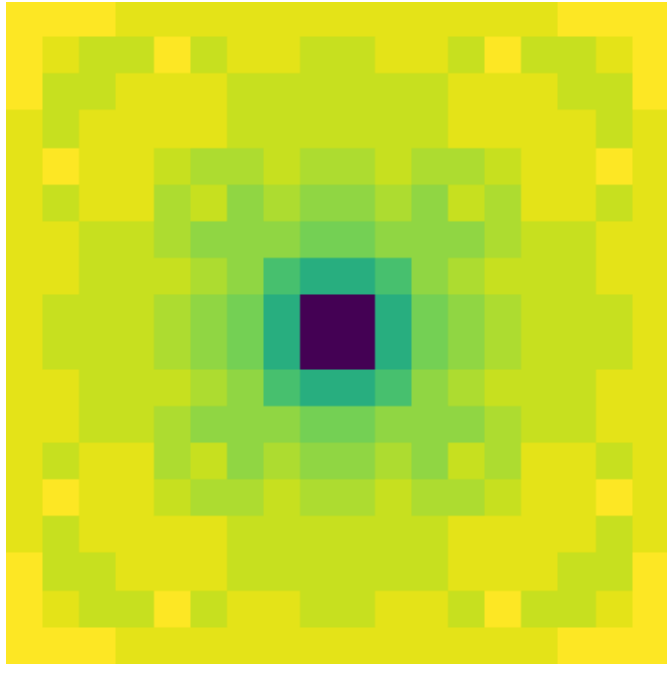
mean |J|	std |J|	max coord
0.3301	0.0956	[[16, 17, 9]]


true current magnitude |J|
axial z=0
axial z=4
axial z=8
axial z=12
axial z=17
coronal y=0
coronal y=4
coronal y=8
coronal y=12
coronal y=17
sagittal x=0
sagittal x=4
sagittal x=8
sagittal x=12
sagittal x=17


reconstructed mean |J| (mc)
axial z=0
axial z=4
axial z=8
axial z=12
axial z=17
coronal y=0
coronal y=4
coronal y=8
coronal y=12
coronal y=17
sagittal x=0
sagittal x=4
sagittal x=8
sagittal x=12
sagittal x=17


reconstruction uncertainty std(|J|)
axial z=0
axial z=4
axial z=8
axial z=12
axial z=17
coronal y=0
coronal y=4
coronal y=8
coronal y=12
coronal y=17
sagittal x=0
sagittal x=4
sagittal x=8
sagittal x=12
sagittal x=17

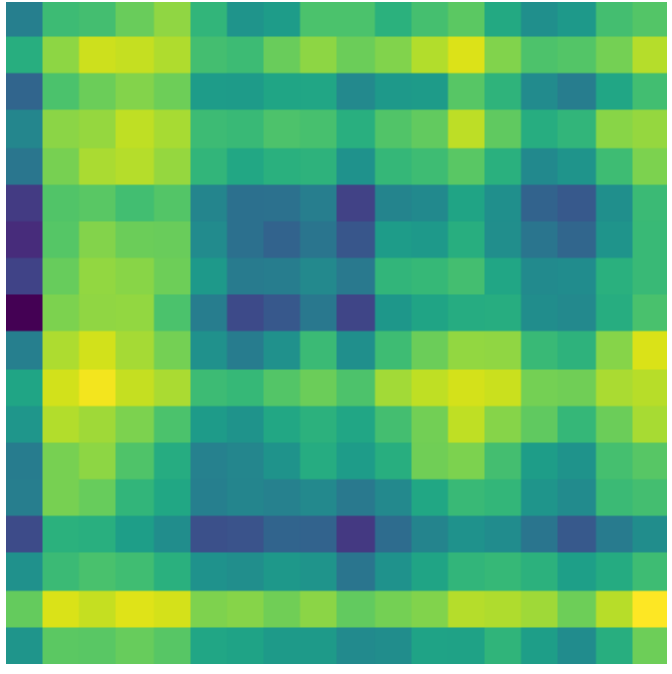
true |J|
mip xy



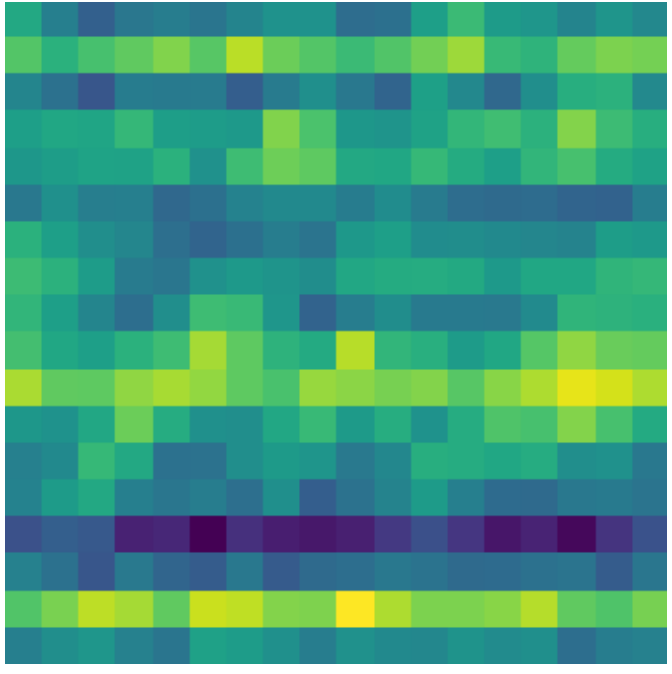
true |J|
mip xz

true |J|
mip yz

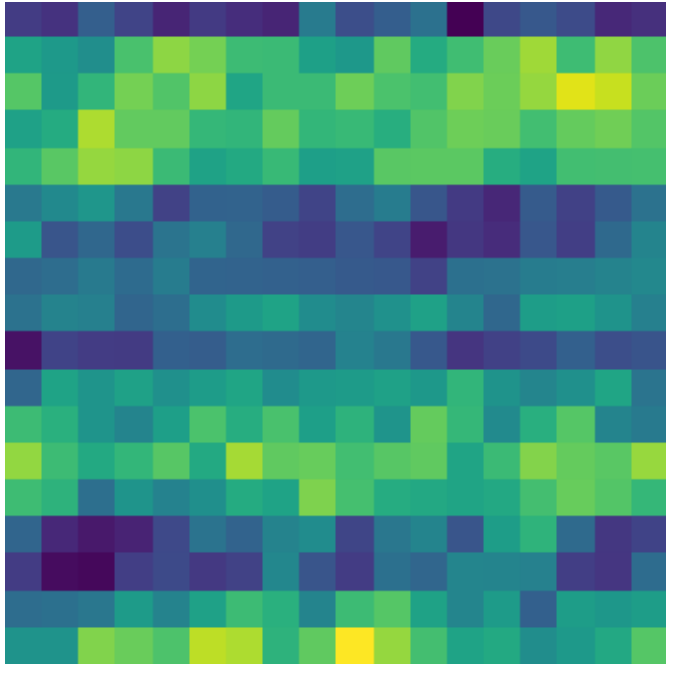
recon mean |J|
mip xy



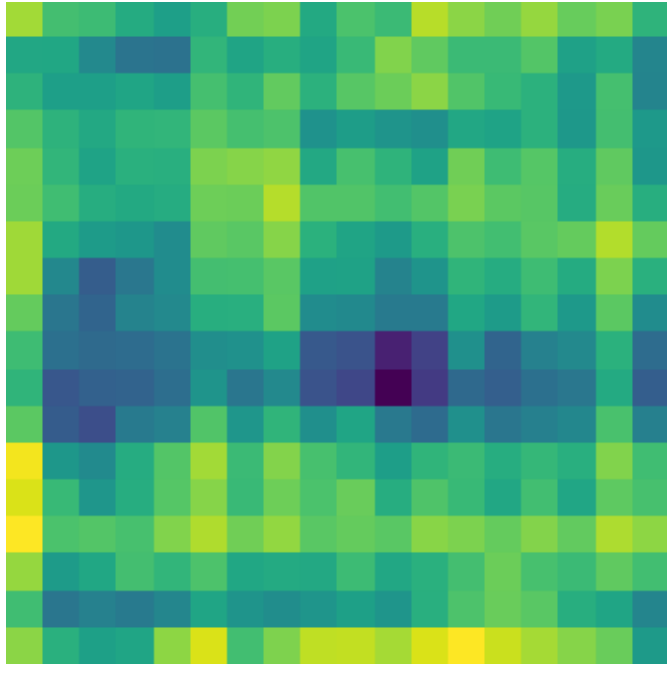
recon mean |J|
mip xz



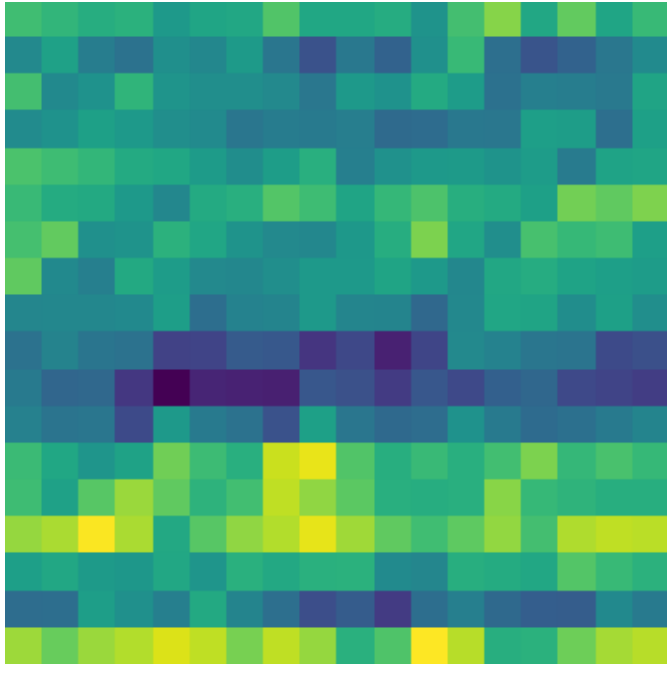
recon mean |J|
mip yz



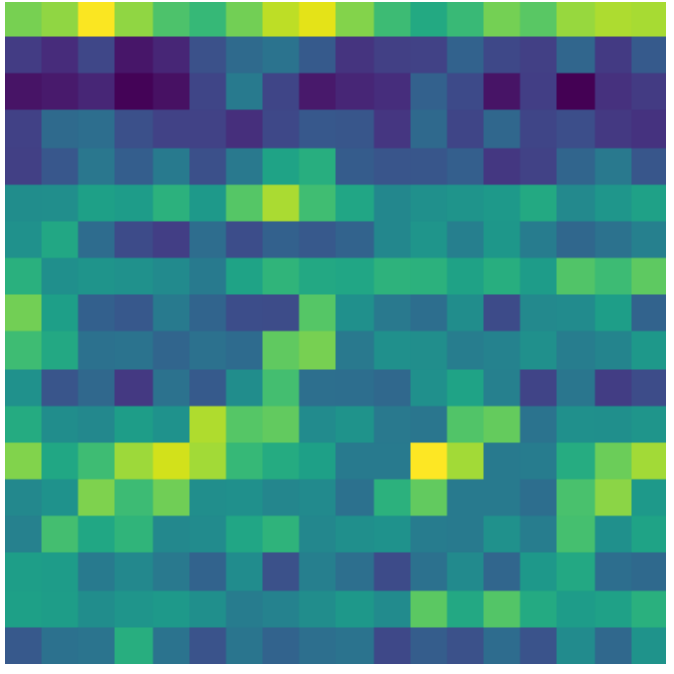
recon std |J|
mip xy

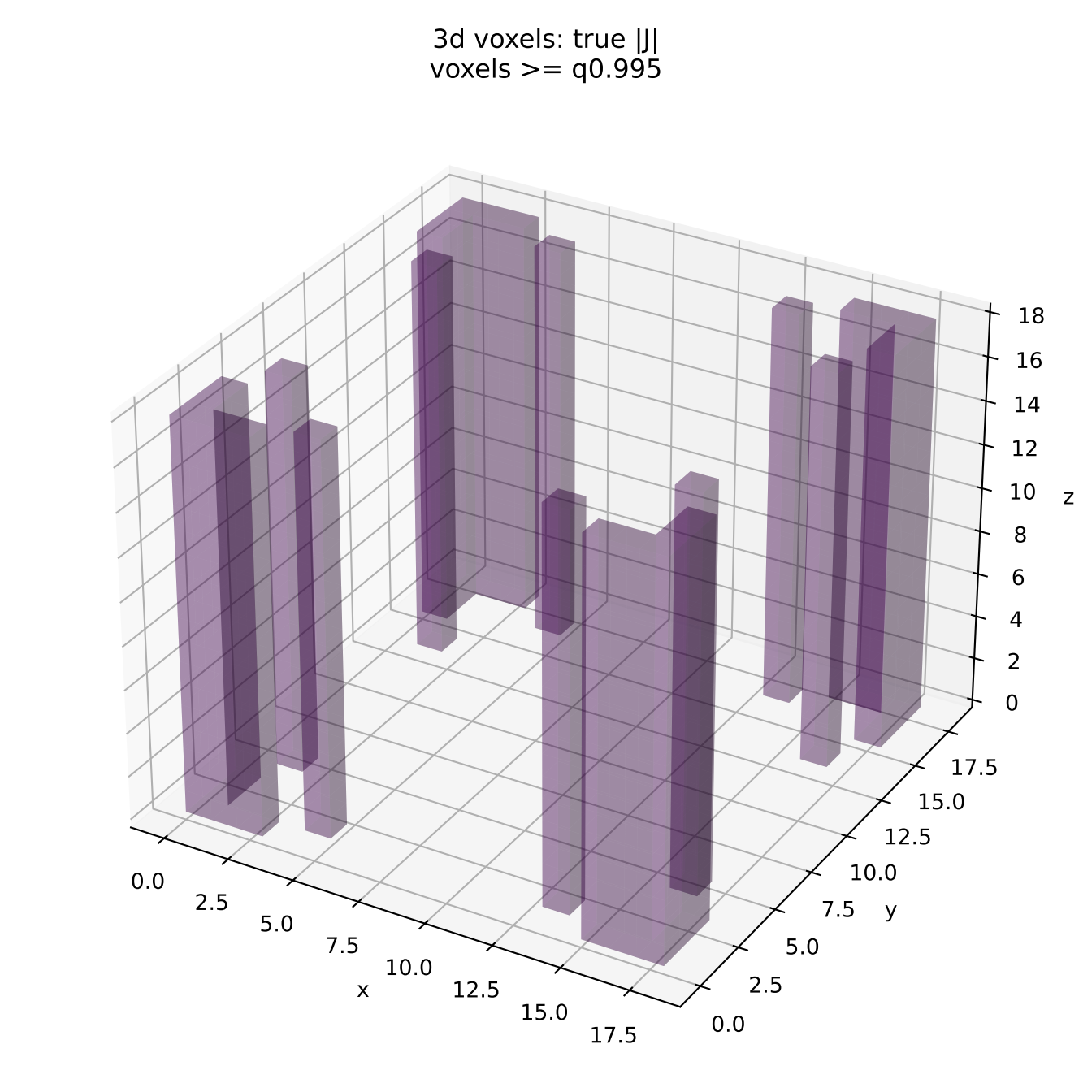


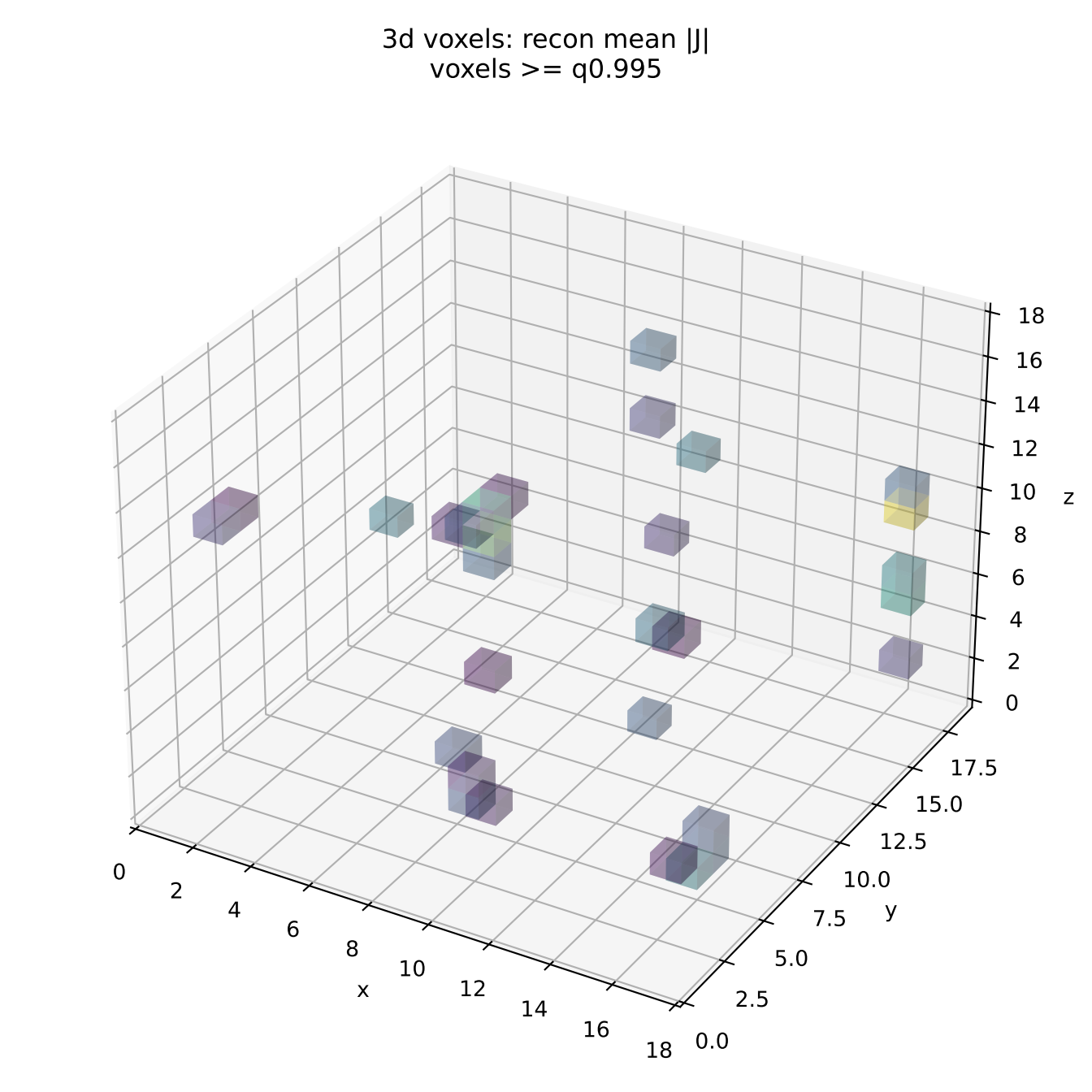
recon std |J|
mip xz

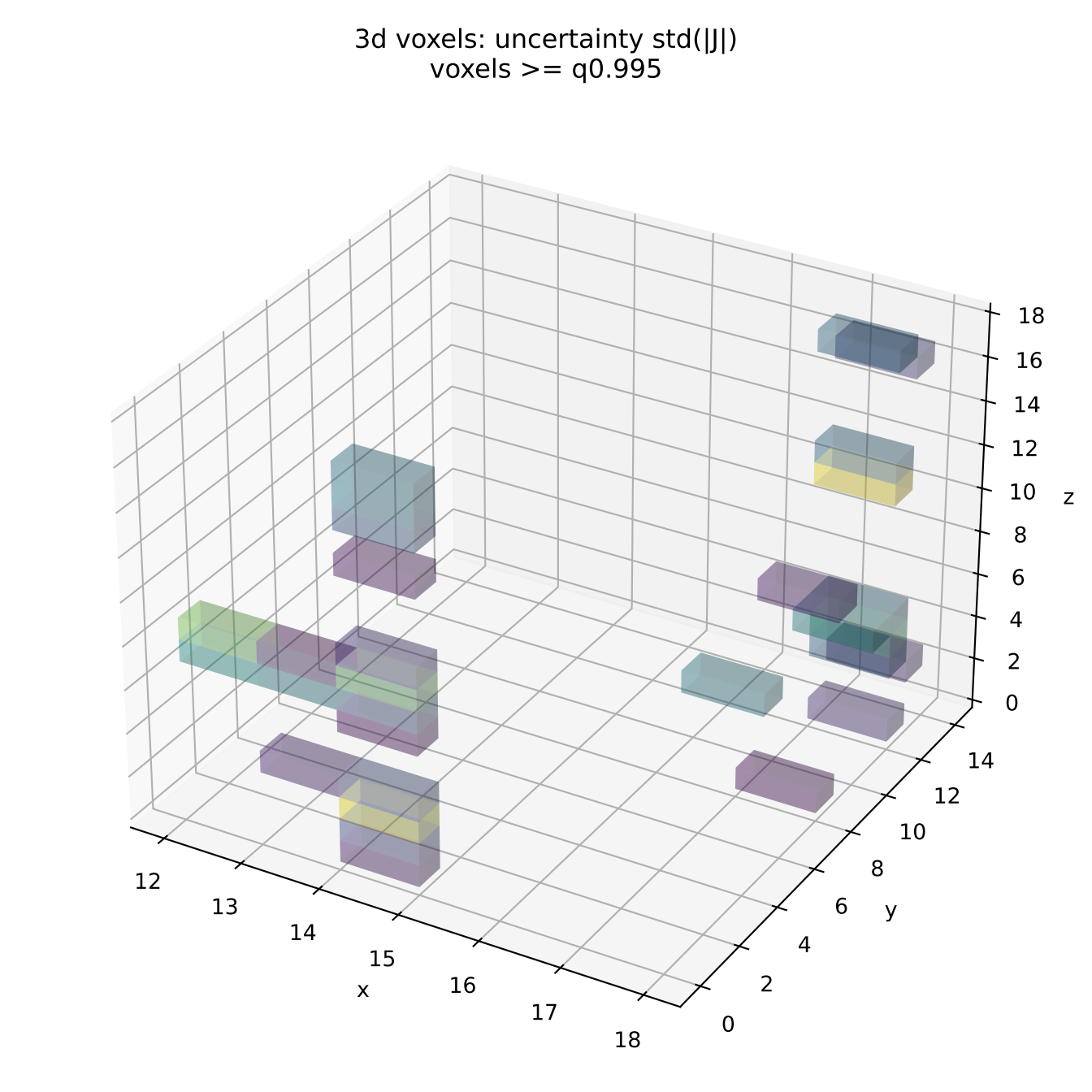


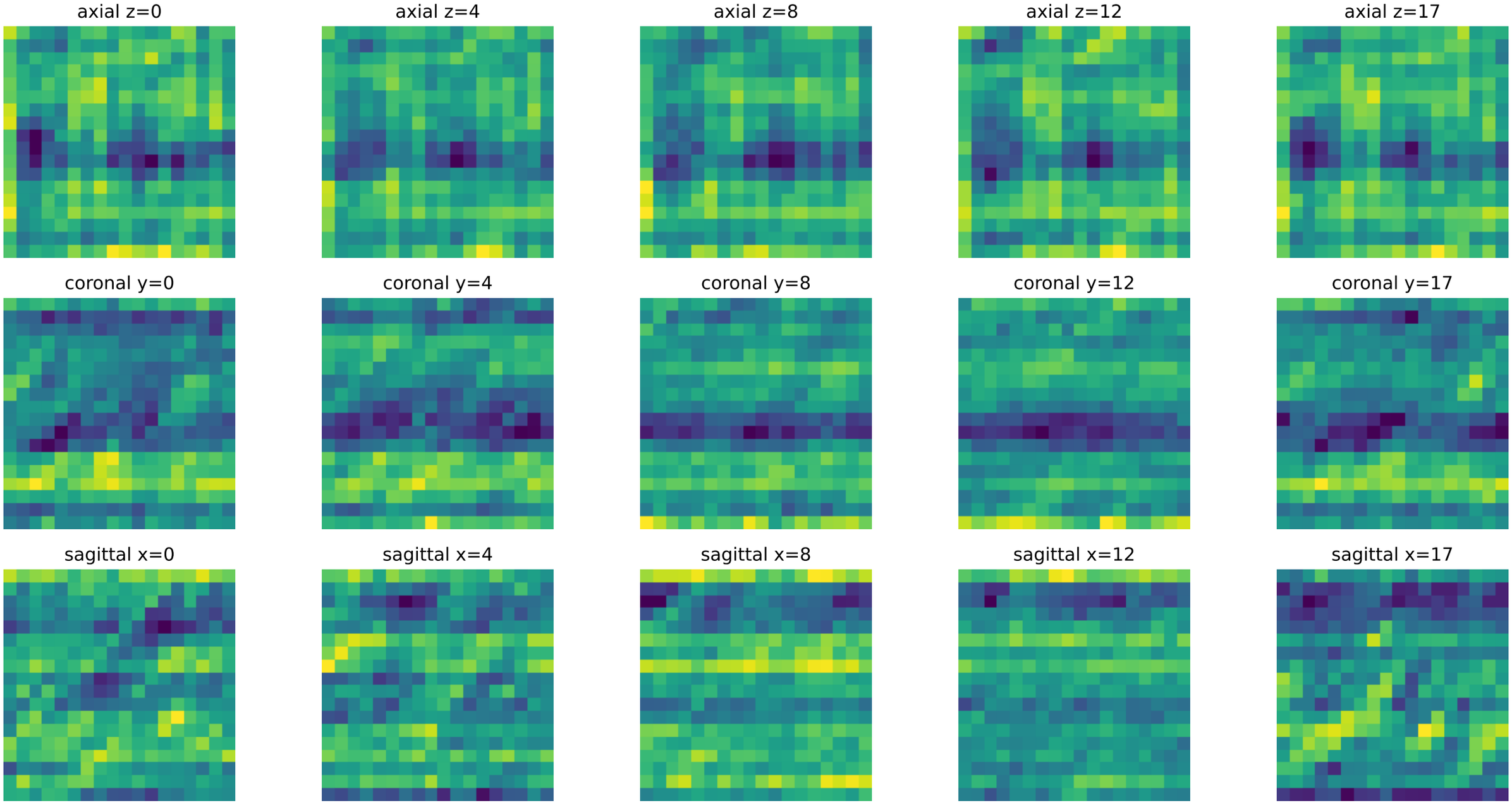
recon std |J|
mip yz

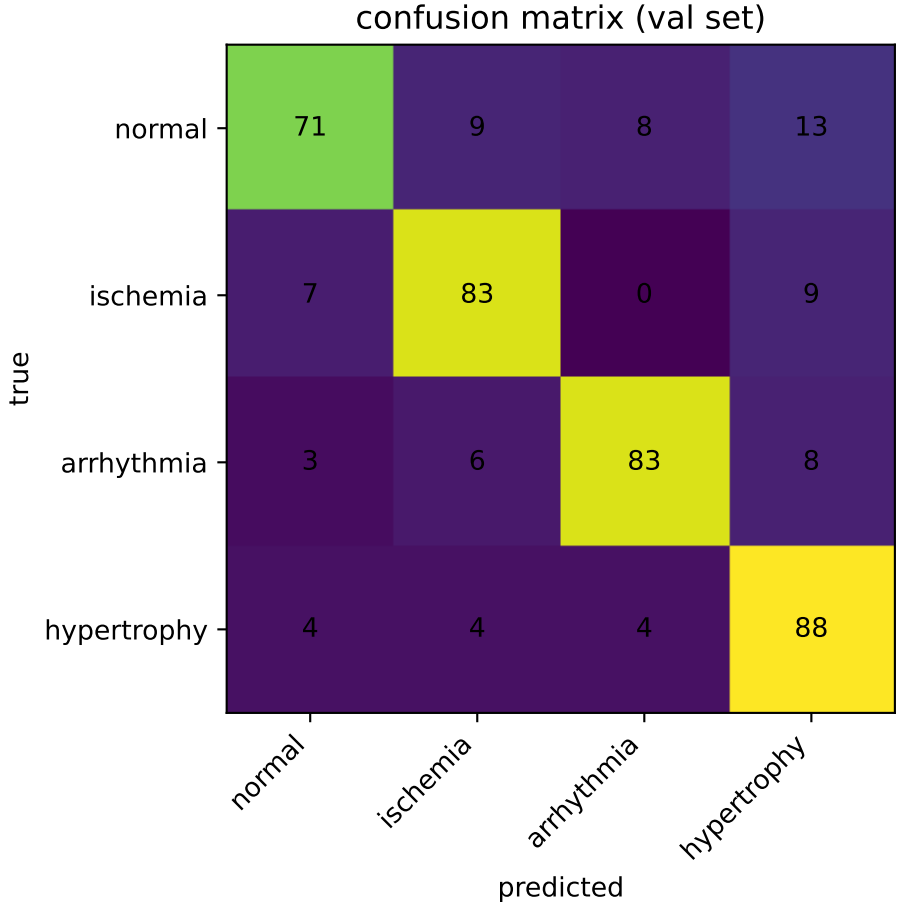


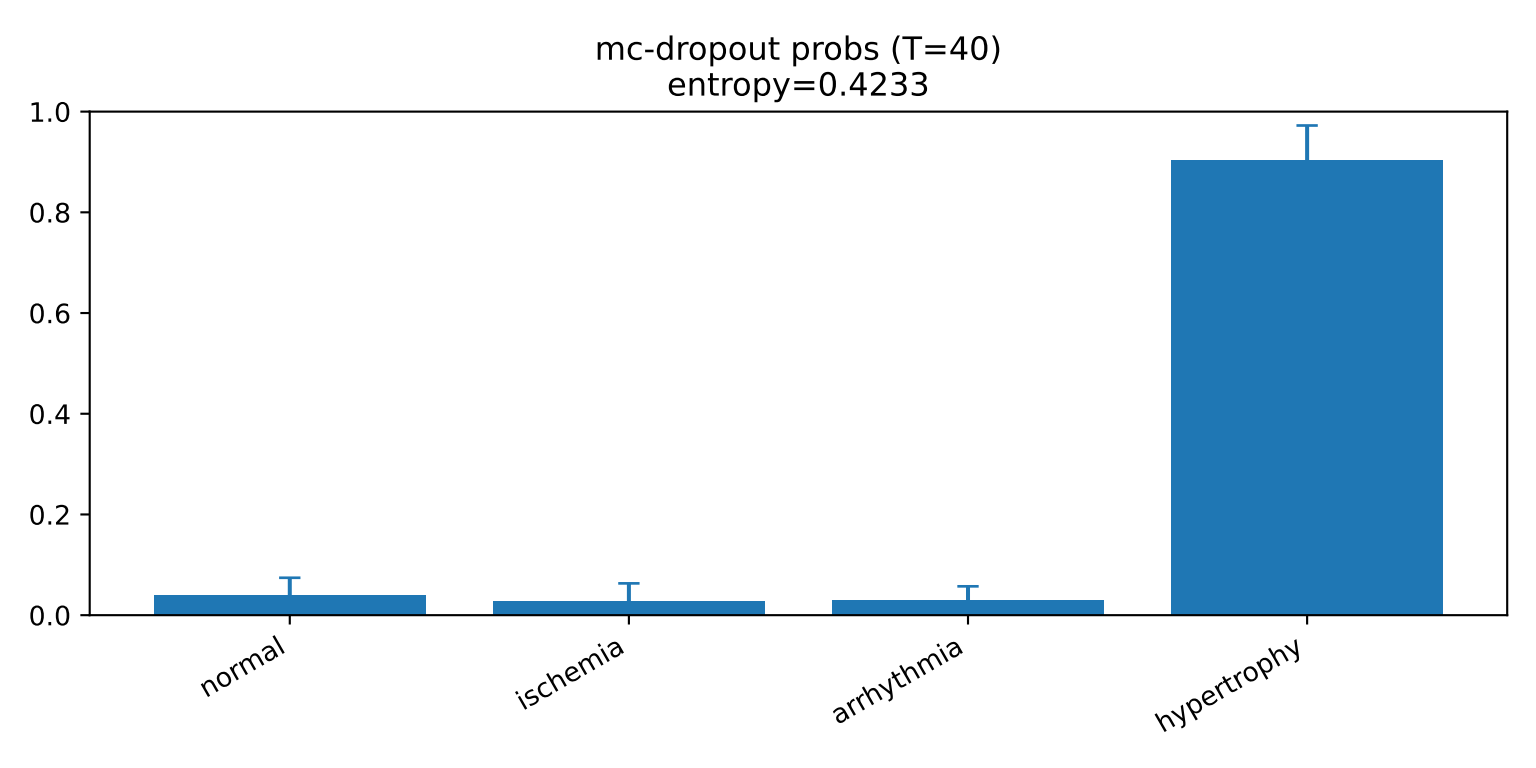

3d voxels: true |J|
voxels >= q0.995
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
x
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5
y
0
2
4
6
8
10
12
14
16
18
z


3d voxels: recon mean |J|
voxels >= q0.995
x
y
z
0
2
4
6
8
10
12
14
16
18
0.0
2.5
5.0
7.5
10.0
12.5
15.0
17.5


3d voxels: uncertainty std(|J|)
voxels >= q0.995
x
y
z
12
13
14
15
16
17
18
0
2
4
6
8
10
12
14
0
2
4
6
8
10
12
14
16
18


95% credible interval width (|hi-lo|)
axial z=0
axial z=4
axial z=8
axial z=12
axial z=17
coronal y=0
coronal y=4
coronal y=8
coronal y=12
coronal y=17
sagittal x=0
sagittal x=4
sagittal x=8
sagittal x=12
sagittal x=17


confusion matrix (val set)
normal
ischemia
arrhythmia
hypertrophy
true
71
9
8
13
7
83
0
9
3
6
83
8
4
4
4
88
normal
ischemia
arrhythmia
hypertrophy
predicted


mc-dropout probs (T=40)
entropy=0.4233
1.0
0.8
0.6
0.4
0.2
0.0
normal
ischemia
arrhythmia
hypertrophy