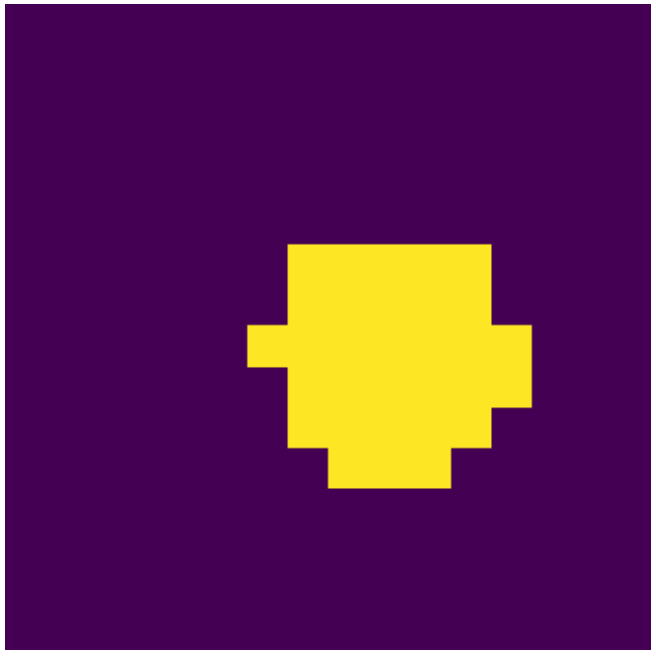
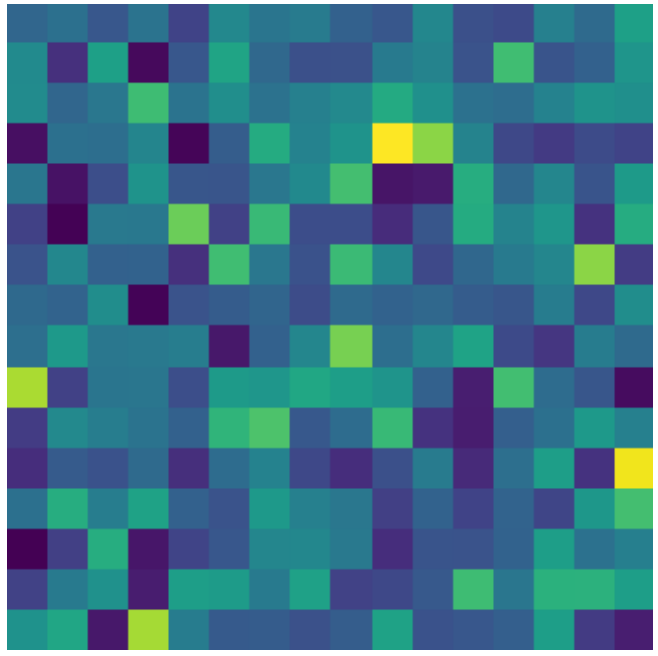
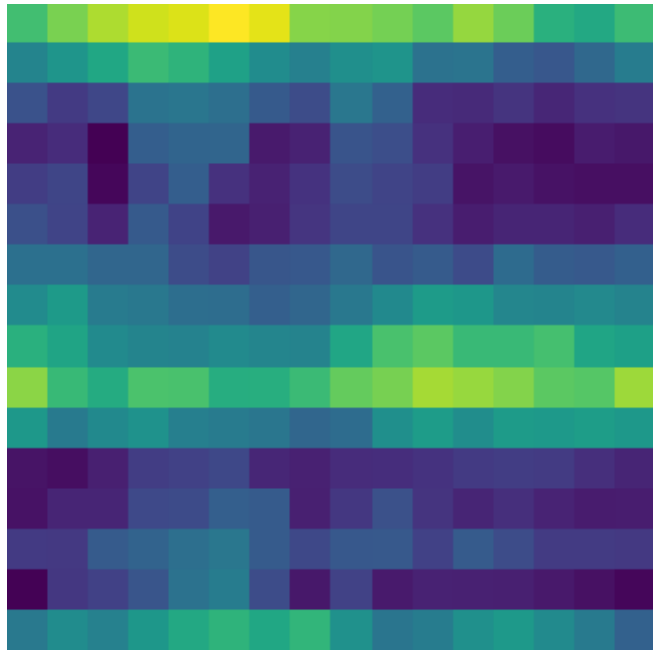
true |J| (axial slice)



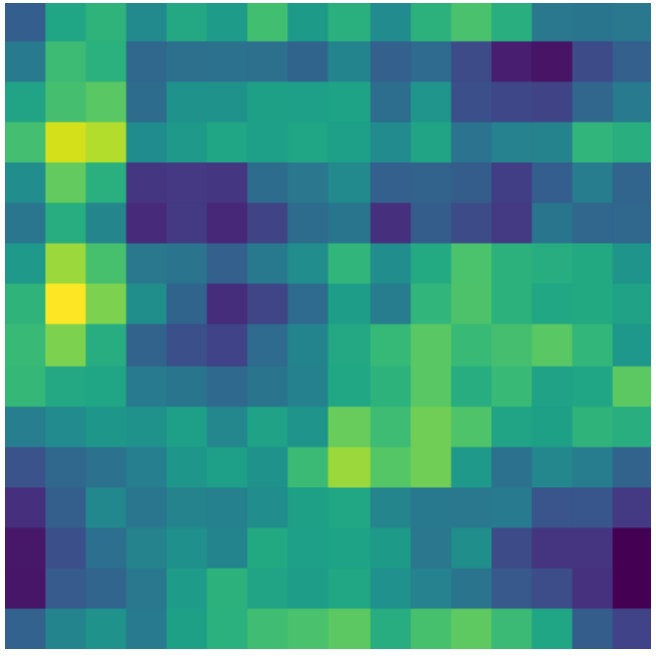
noisy |B| (axial slice)



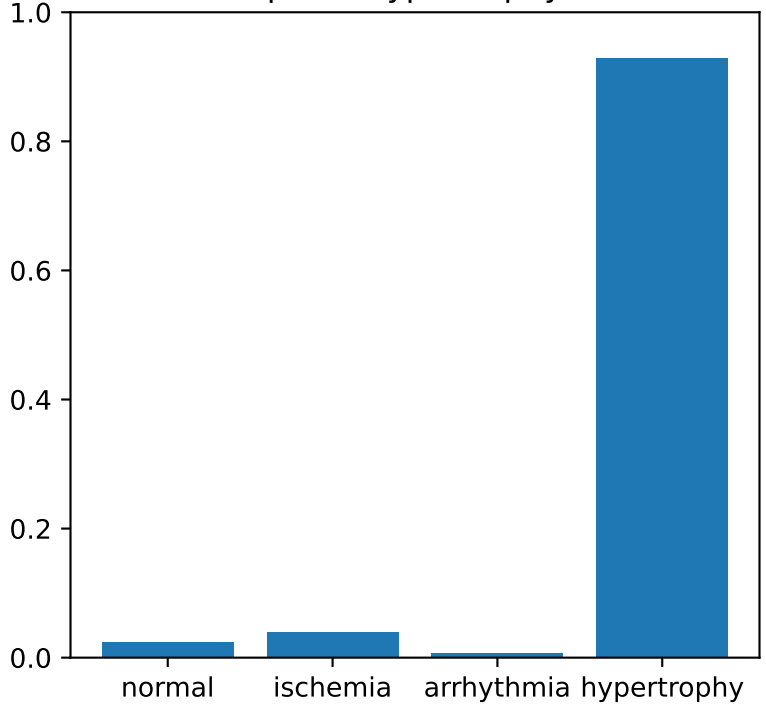
recon mean |J| (axial slice)



recon std |J| (axial slice)

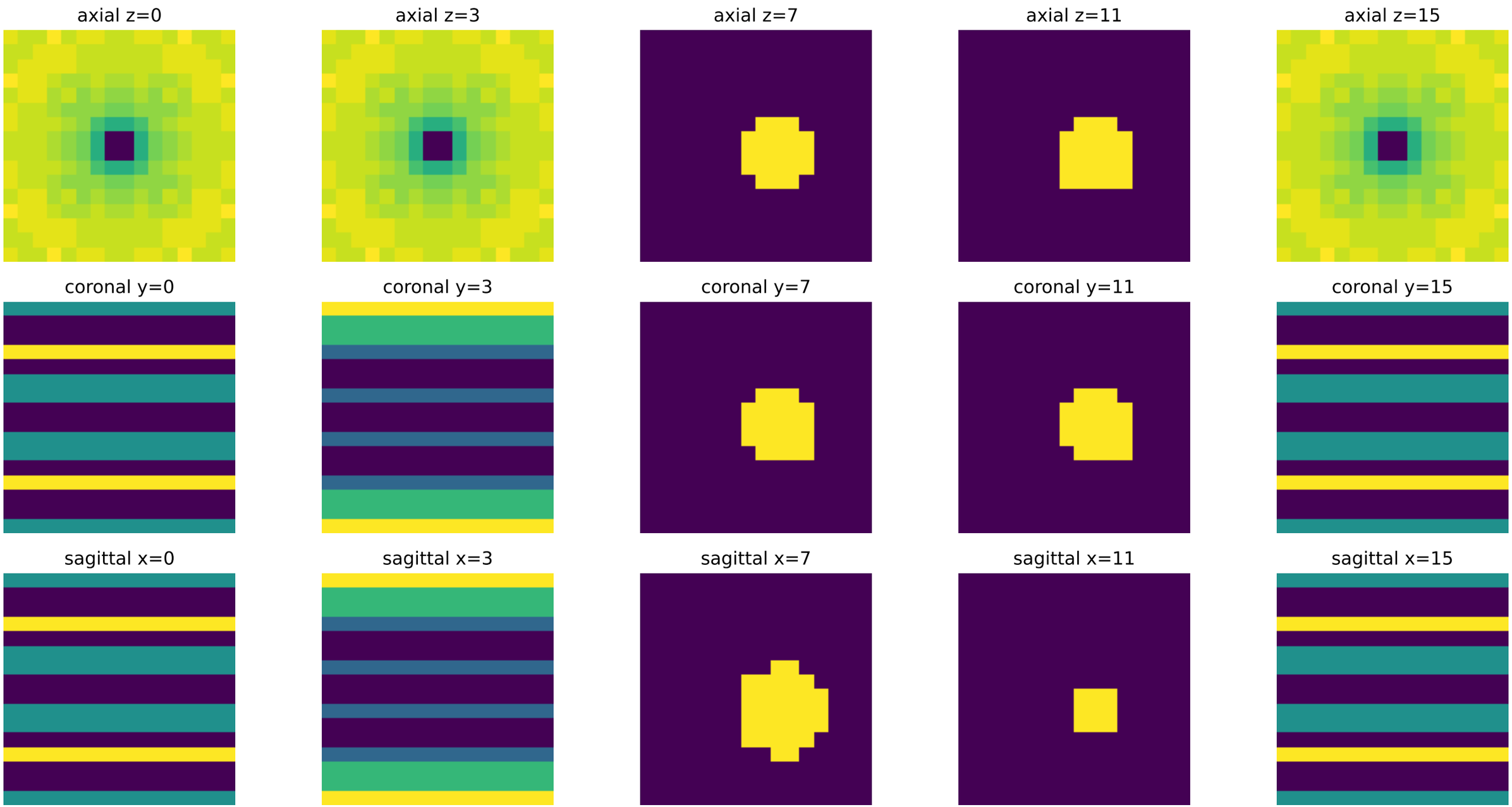


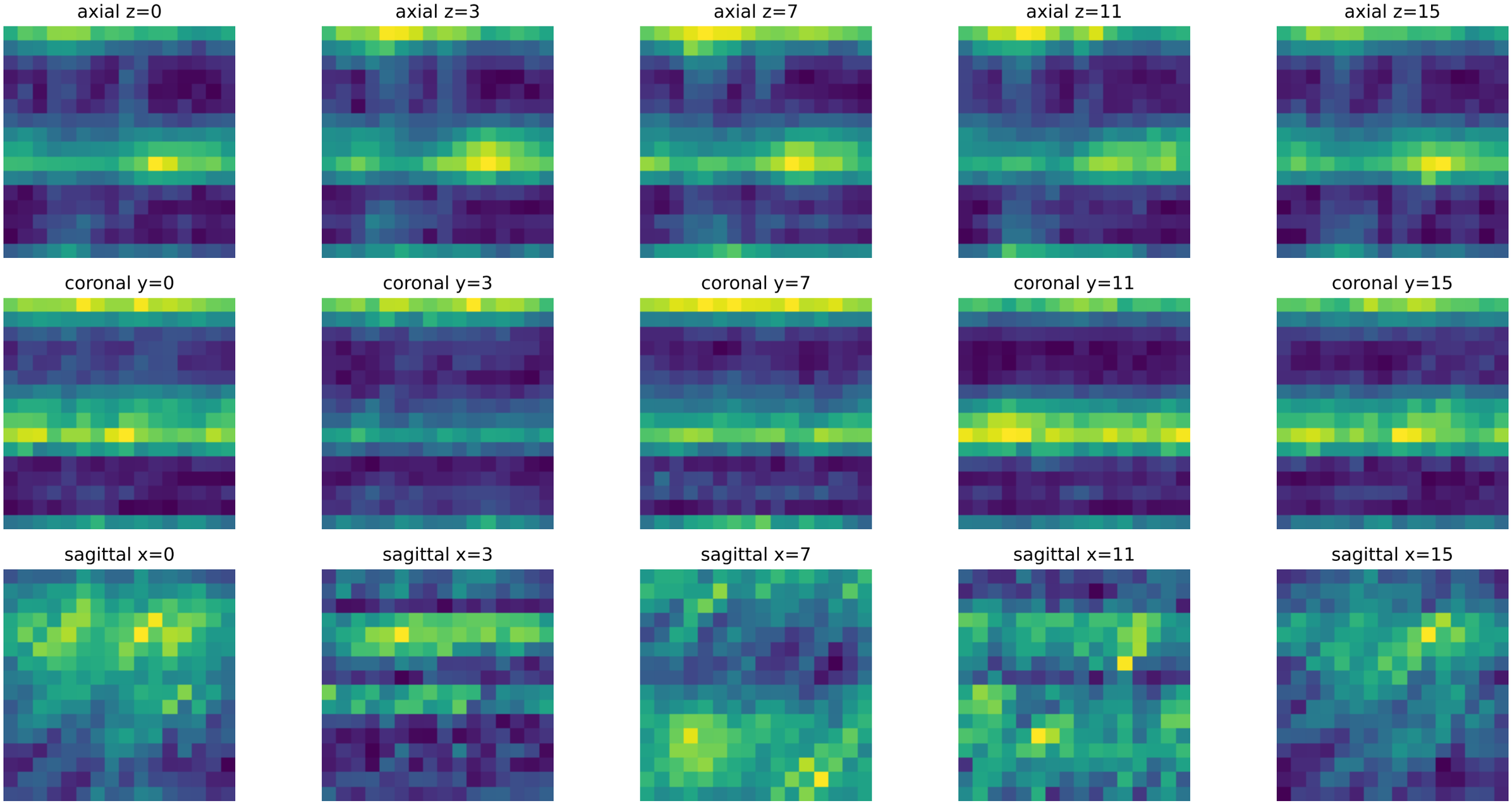
class probs (deterministic)
pred=hypertrophy

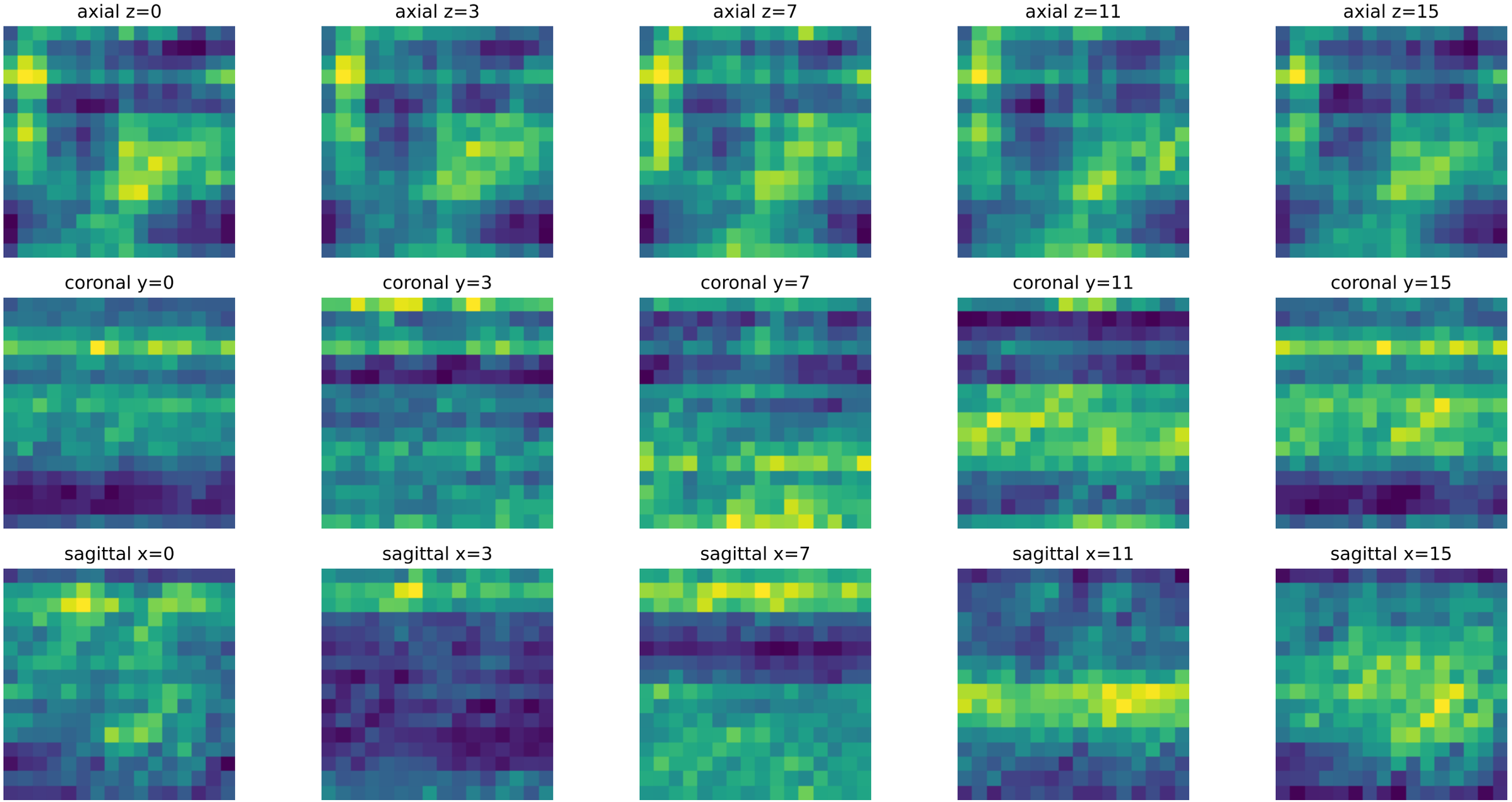


voxel-derived features

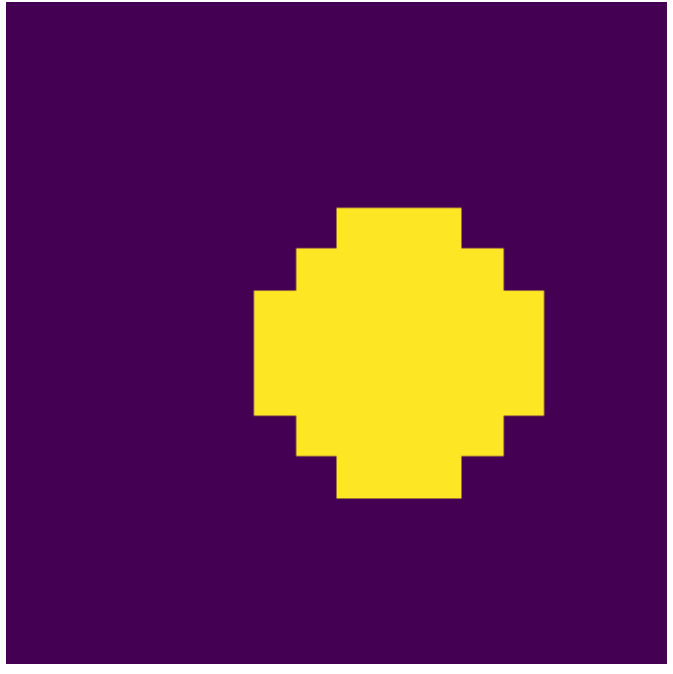
mean |J|	std |J|	max coord
0.3619	0.2398	[[0, 4, 9]]


true current magnitude |J|
axial z=0
axial z=3
axial z=7
axial z=11
axial z=15
coronal y=0
coronal y=3
coronal y=7
coronal y=11
coronal y=15
sagittal x=0
sagittal x=3
sagittal x=7
sagittal x=11
sagittal x=15

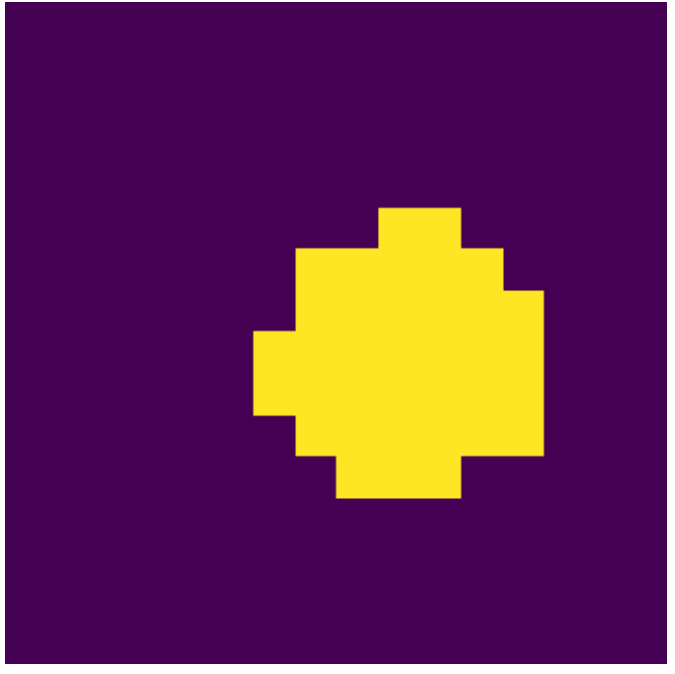

reconstructed mean |J| (mc)
axial z=0
axial z=3
axial z=7
axial z=11
axial z=15
coronal y=0
coronal y=3
coronal y=7
coronal y=11
coronal y=15
sagittal x=0
sagittal x=3
sagittal x=7
sagittal x=11
sagittal x=15


reconstruction uncertainty std(|J|)
axial z=0
axial z=3
axial z=7
axial z=11
axial z=15
coronal y=0
coronal y=3
coronal y=7
coronal y=11
coronal y=15
sagittal x=0
sagittal x=3
sagittal x=7
sagittal x=11
sagittal x=15

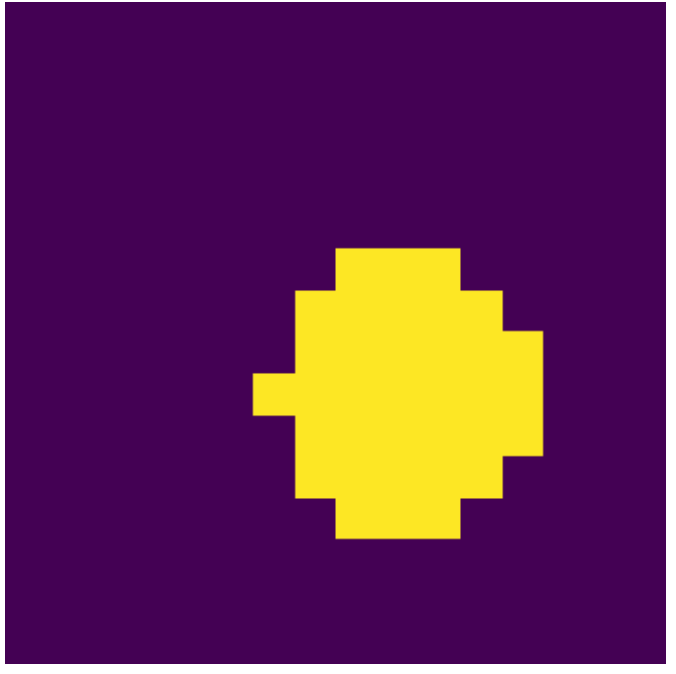
true |J|
mip xy



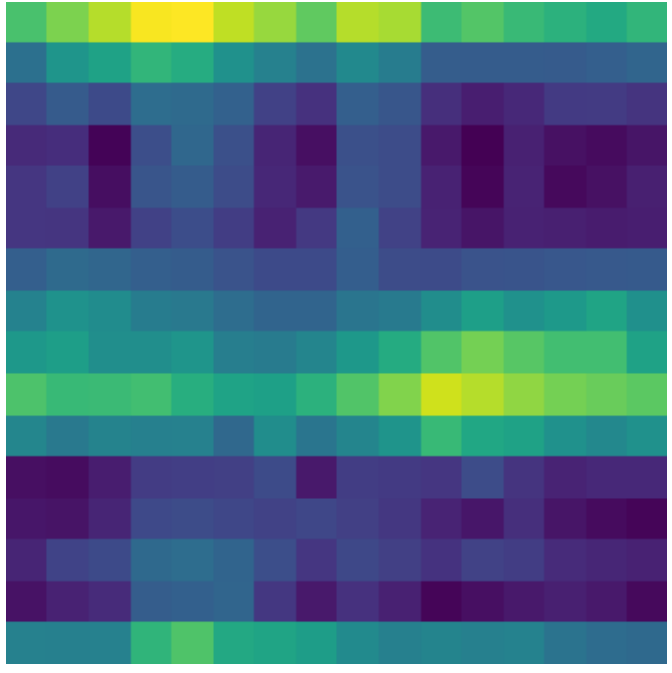
true |J|
mip xz



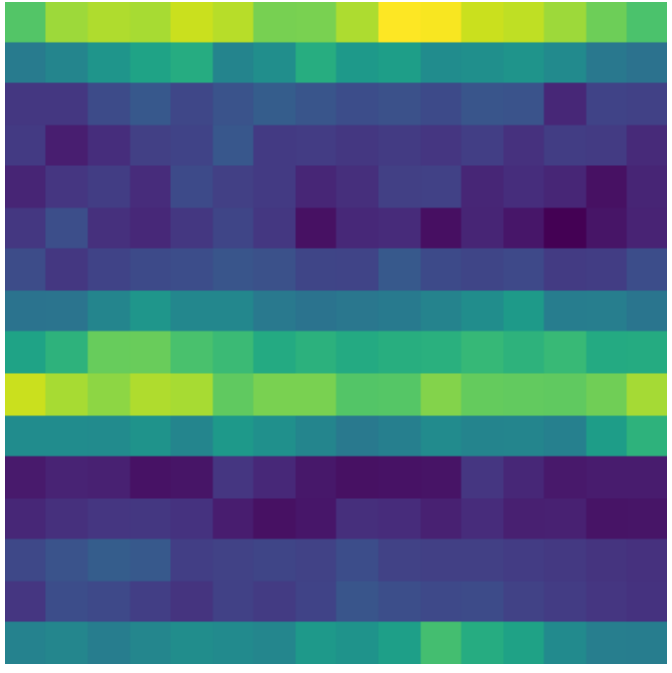
true |J|
mip yz



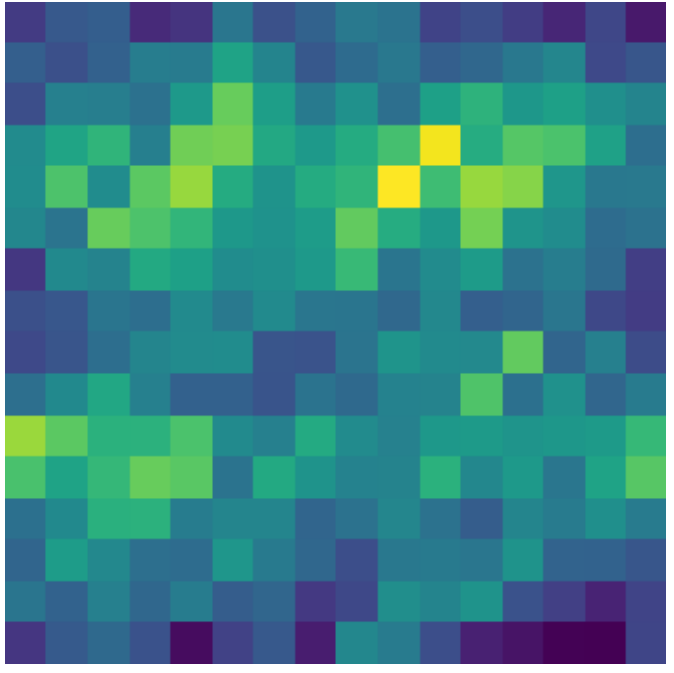
recon mean |J|
mip xy



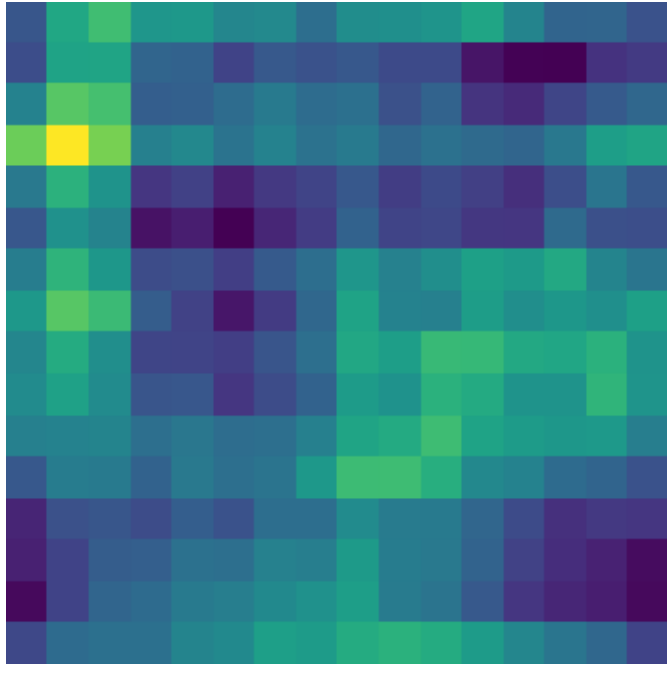
recon mean |J|
mip xz



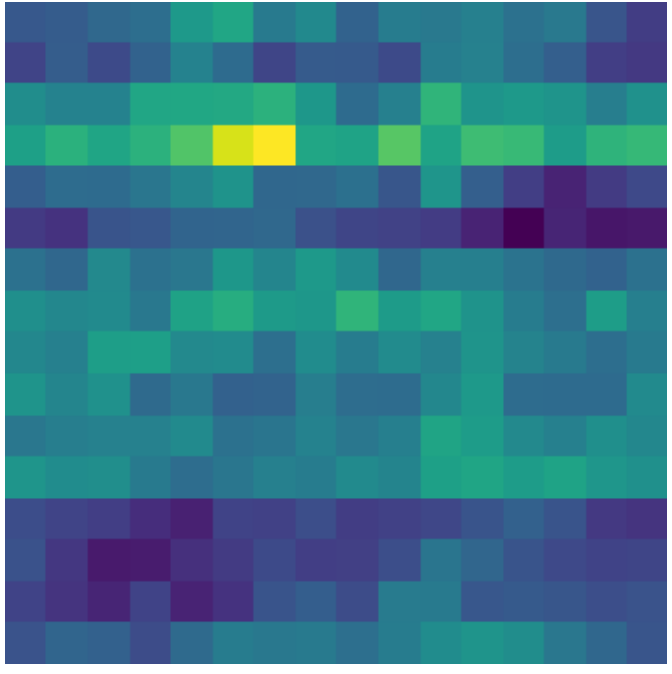
recon mean |J|
mip yz



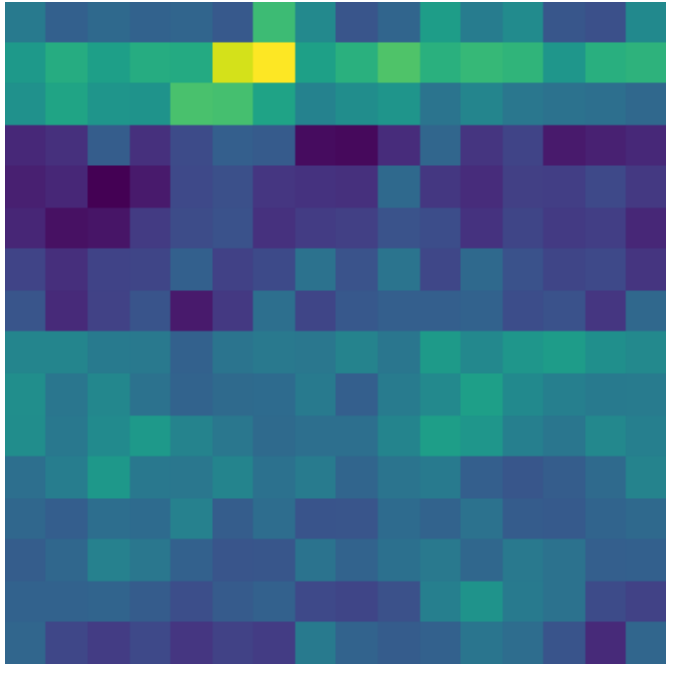
recon std |J|
mip xy

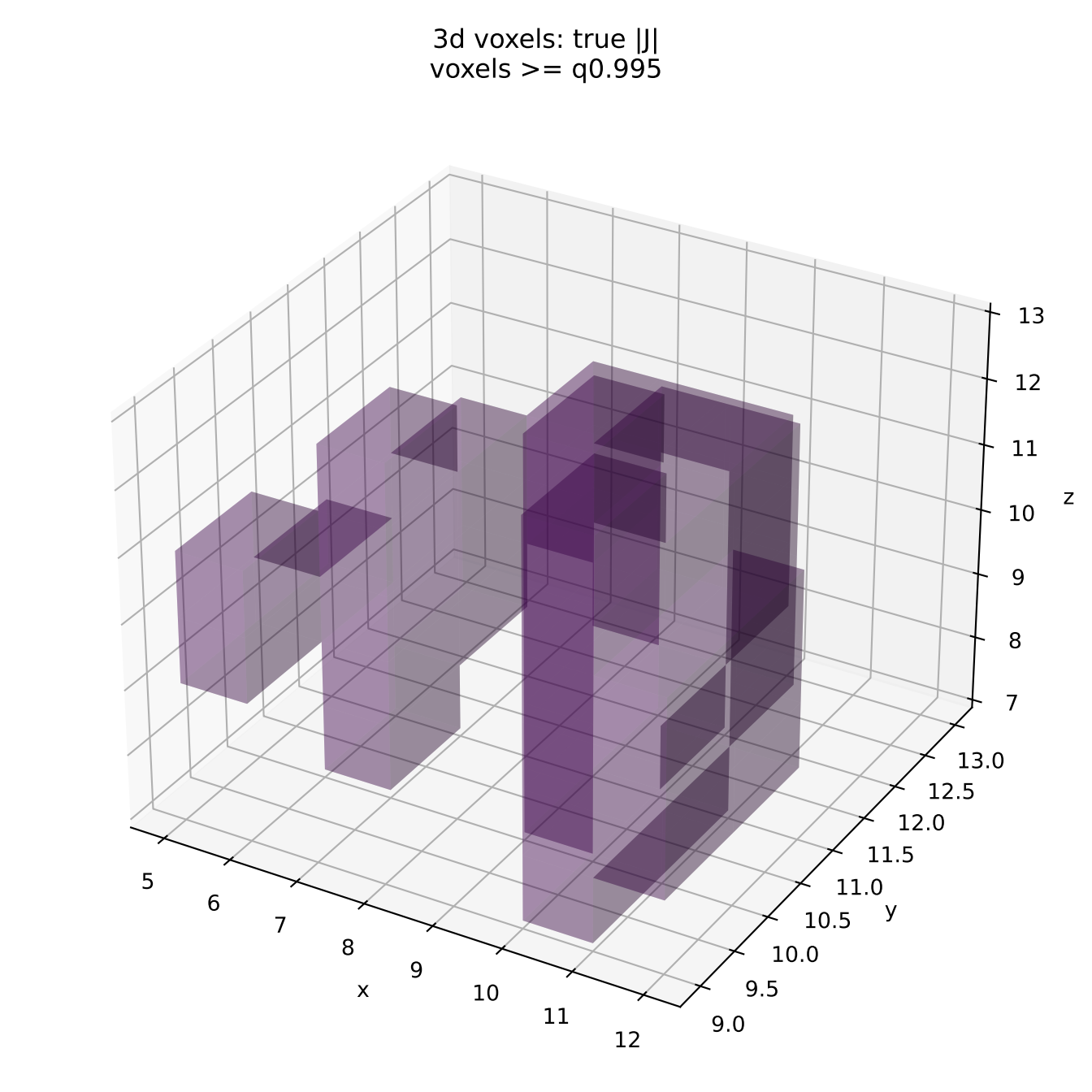


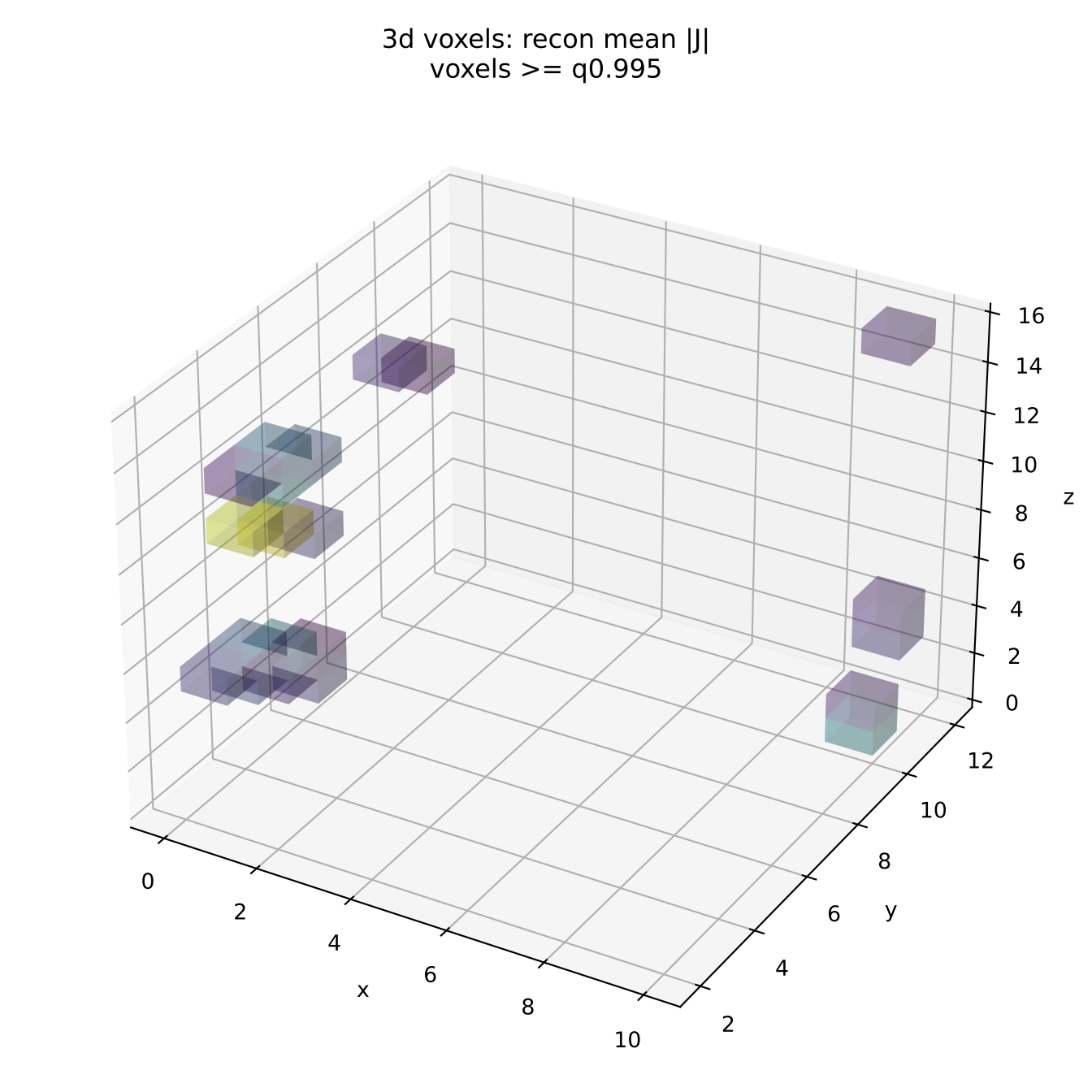
recon std |J|
mip xz

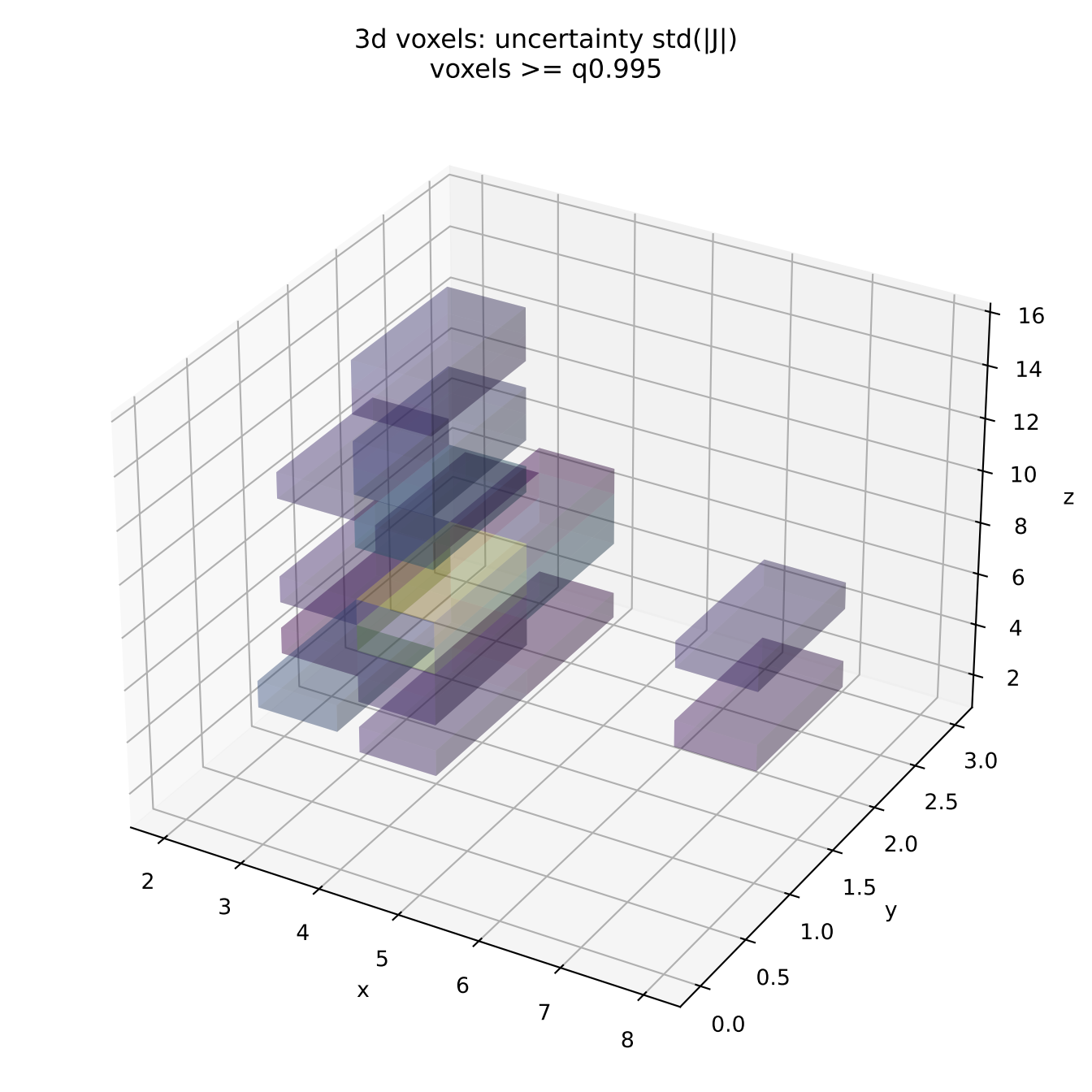


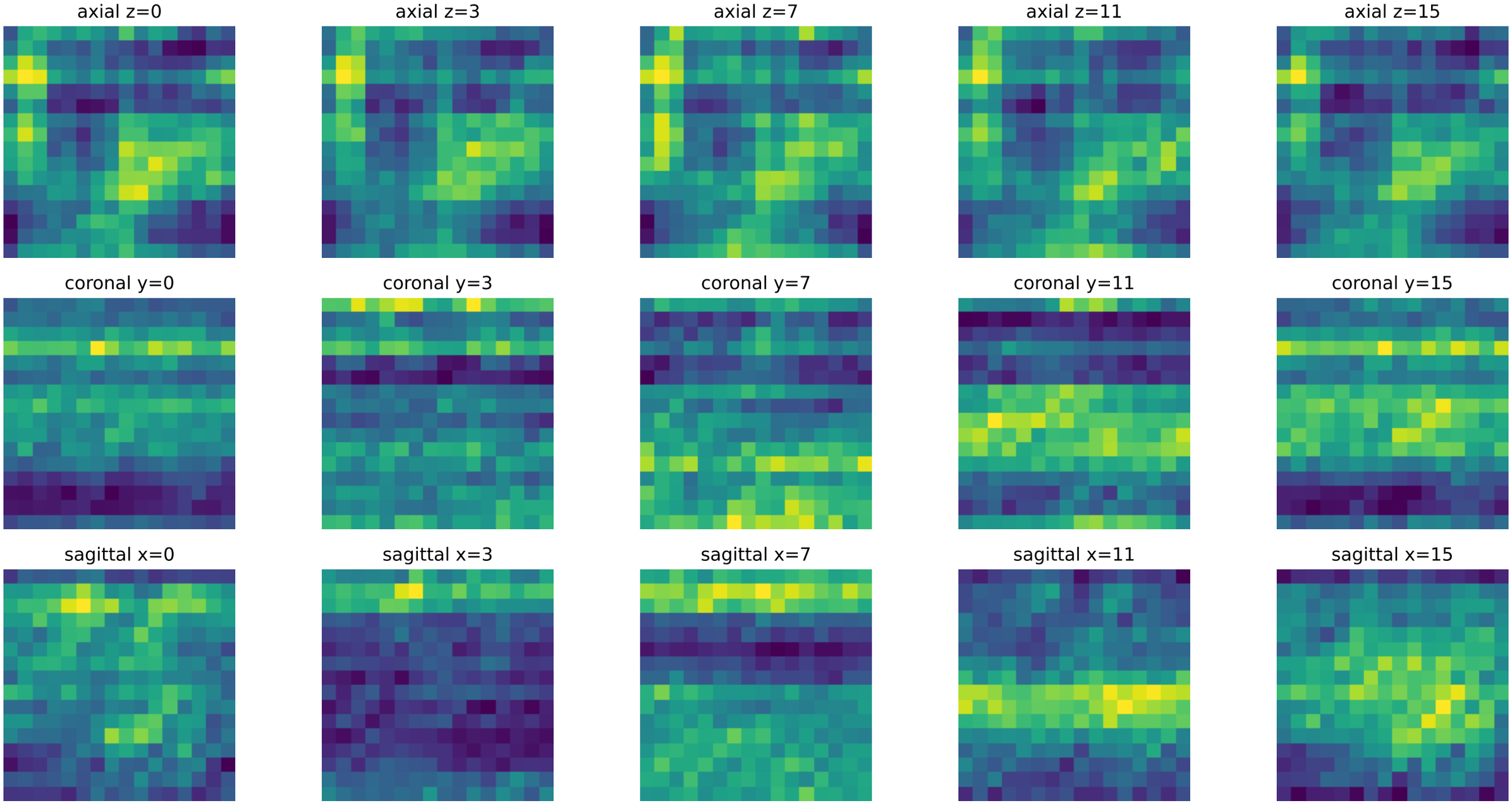
recon std |J|
mip yz

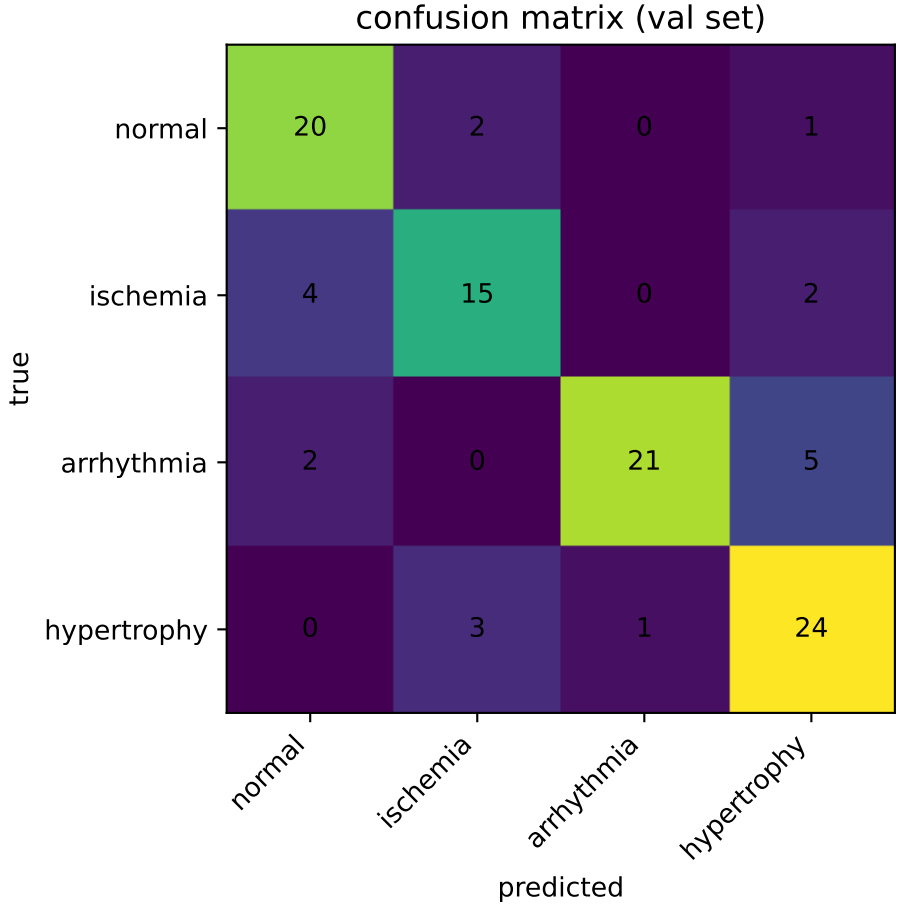


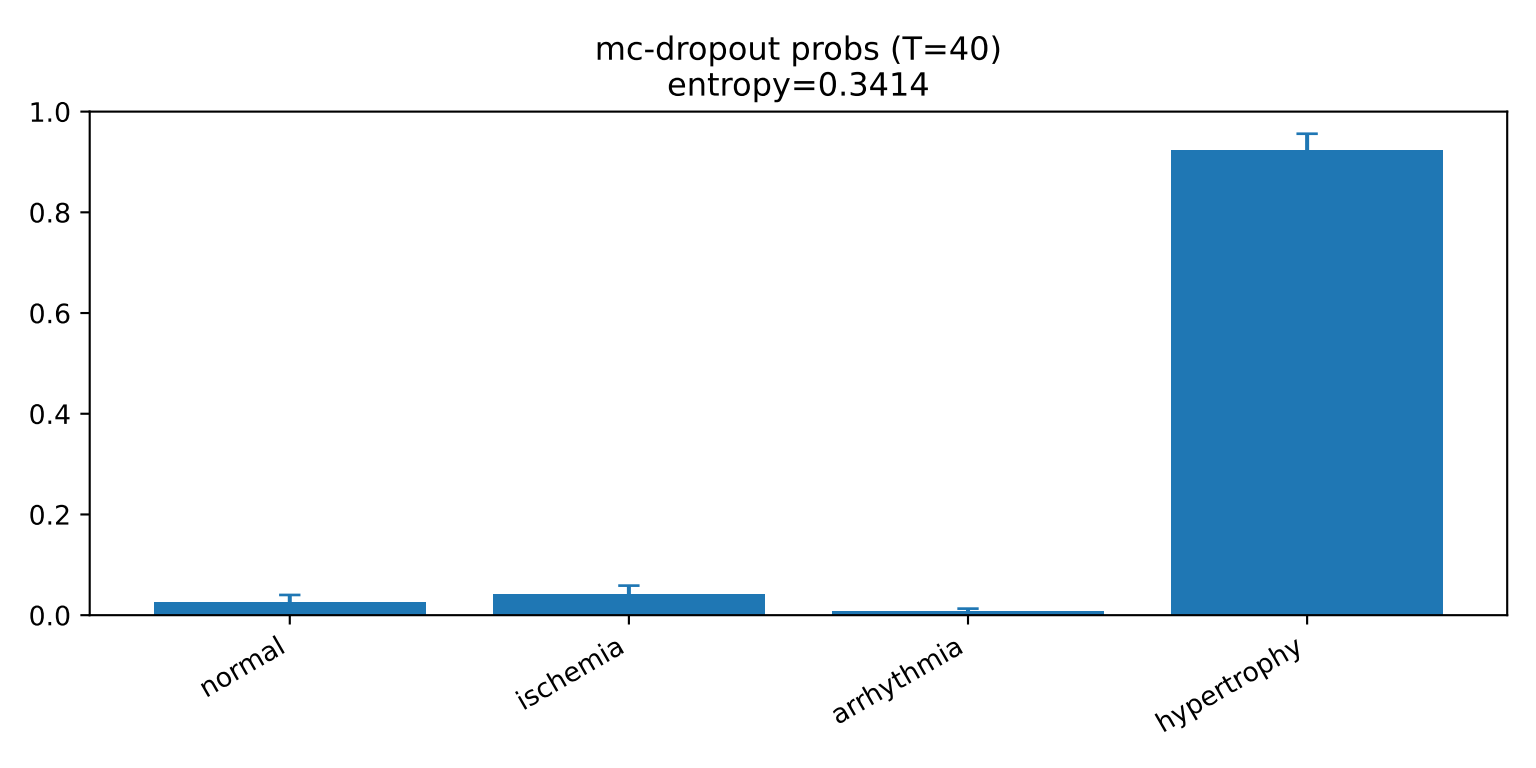

3d voxels: true |J|
voxels >= q0.995
x
y
z
5
6
7
8
9
10
11
12
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
7
8
9
10
11
12
13


3d voxels: recon mean |J|
voxels >= q0.995
x
y
z
0
2
4
6
8
10
12
14
16


3d voxels: uncertainty std(|J|)
voxels >= q0.995
x
y
z
2
3
4
5
6
7
8
0.0
0.5
1.0
1.5
2.0
2.5
3.0
2
4
6
8
10
12
14
16


95% credible interval width (|hi-lo|)
axial z=0
axial z=3
axial z=7
axial z=11
axial z=15
coronal y=0
coronal y=3
coronal y=7
coronal y=11
coronal y=15
sagittal x=0
sagittal x=3
sagittal x=7
sagittal x=11
sagittal x=15


confusion matrix (val set)
normal
ischemia
arrhythmia
hypertrophy
true
20
2
0
1
4
15
0
2
2
0
21
5
0
3
1
24
normal
ischemia
arrhythmia
hypertrophy
predicted


mc-dropout probs (T=40)
entropy=0.3414
1.0
0.8
0.6
0.4
0.2
0.0
normal
ischemia
arrhythmia
hypertrophy