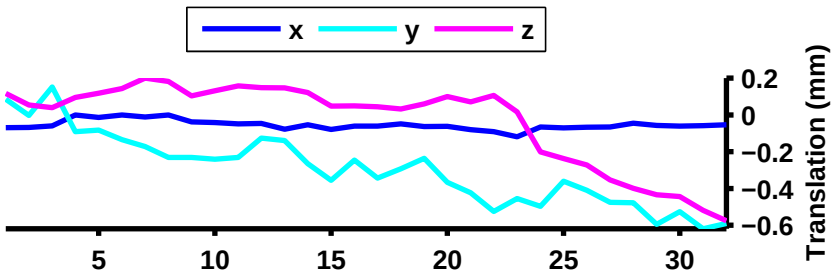
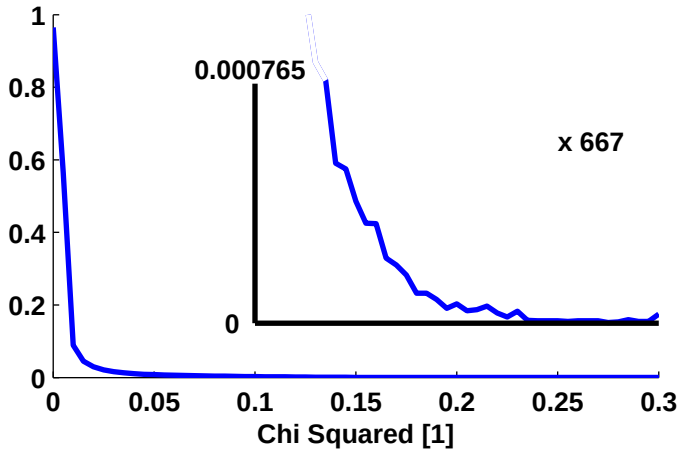
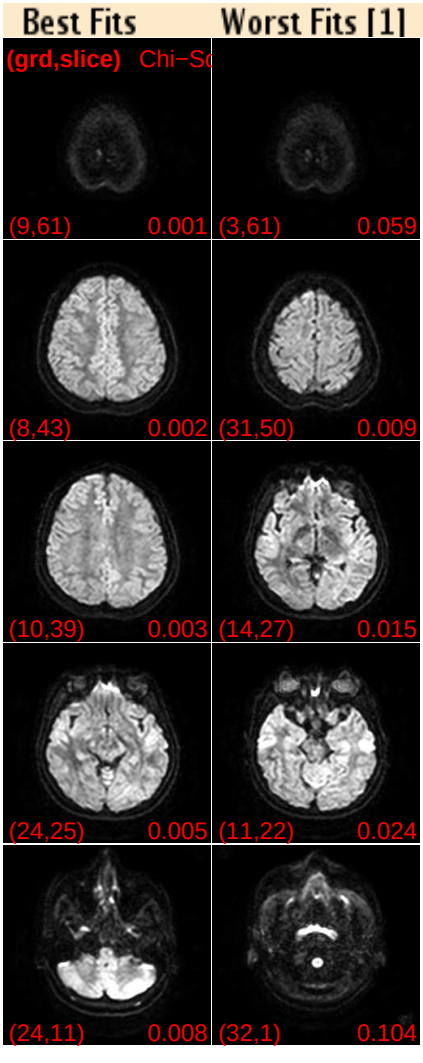
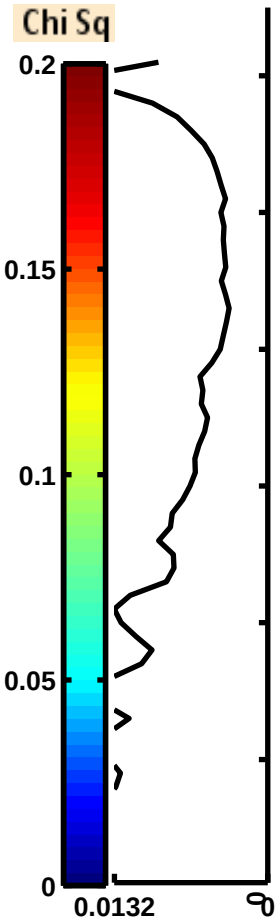
Exam File Name: KKI2009-23-DTI
Exam Header Name: kirby800a_11_1
Header Descriptiton: Magnetic Resonance
Slices: 65
Scan Resolution: 256, 256

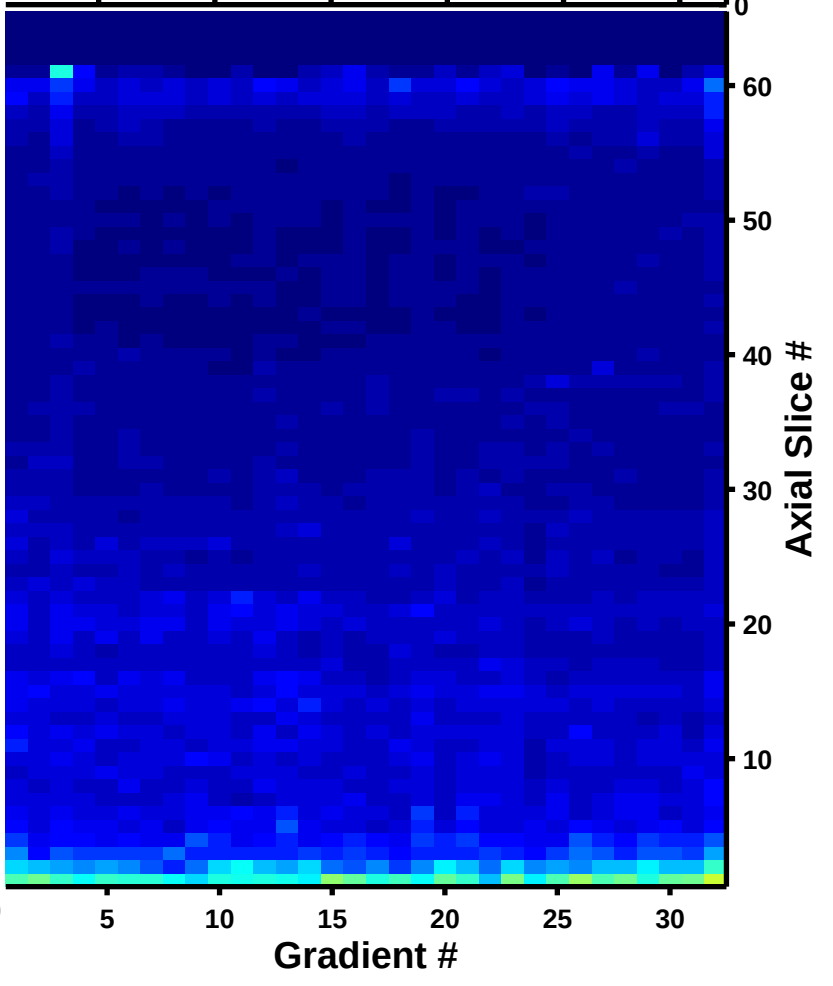
filename: KKI2009-23-DTI
folder:

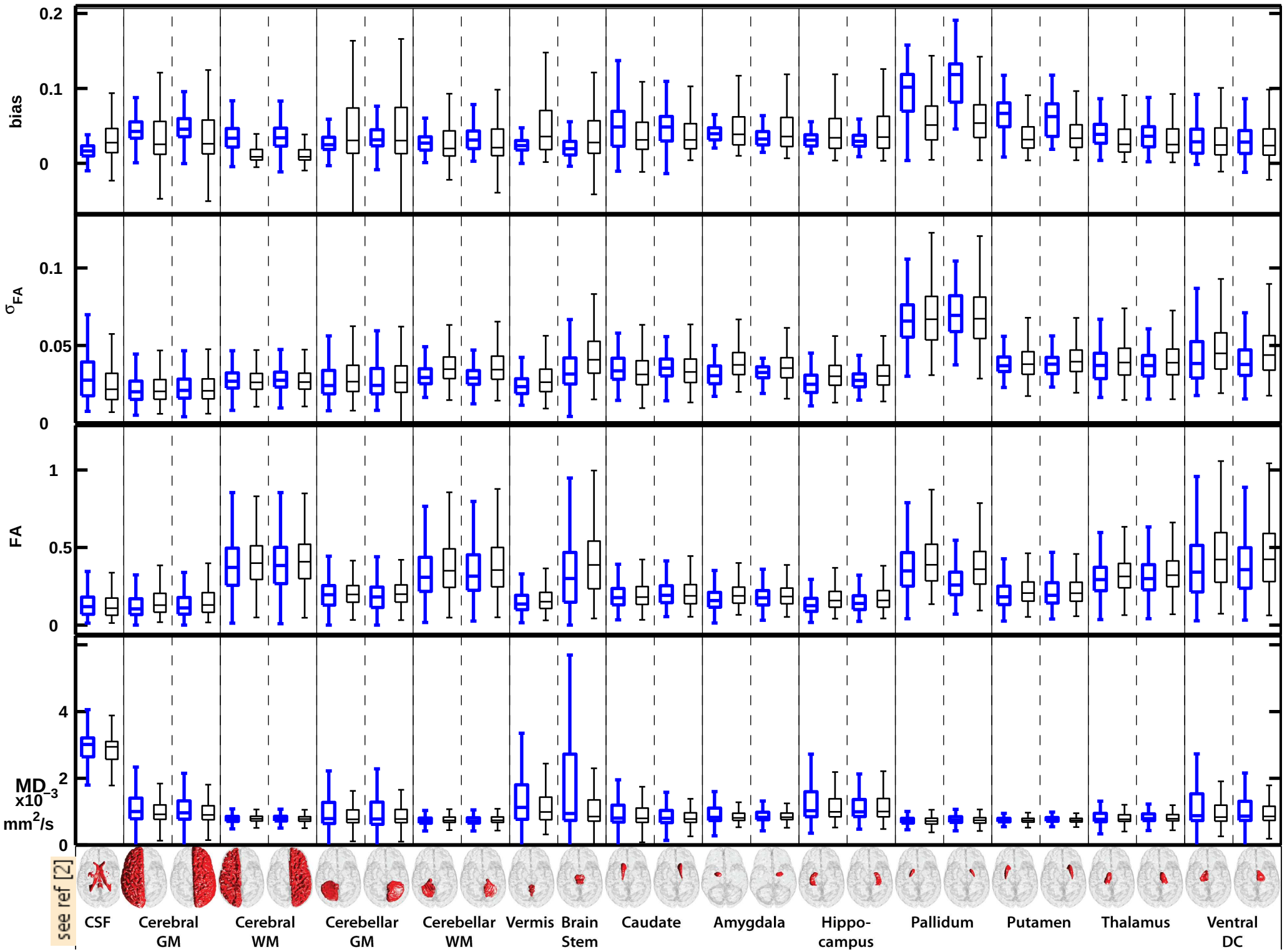




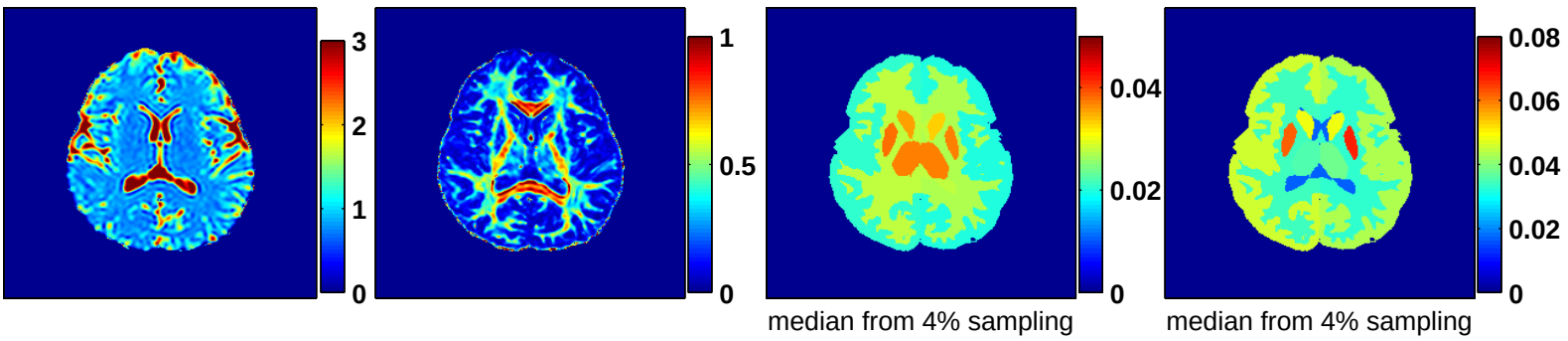




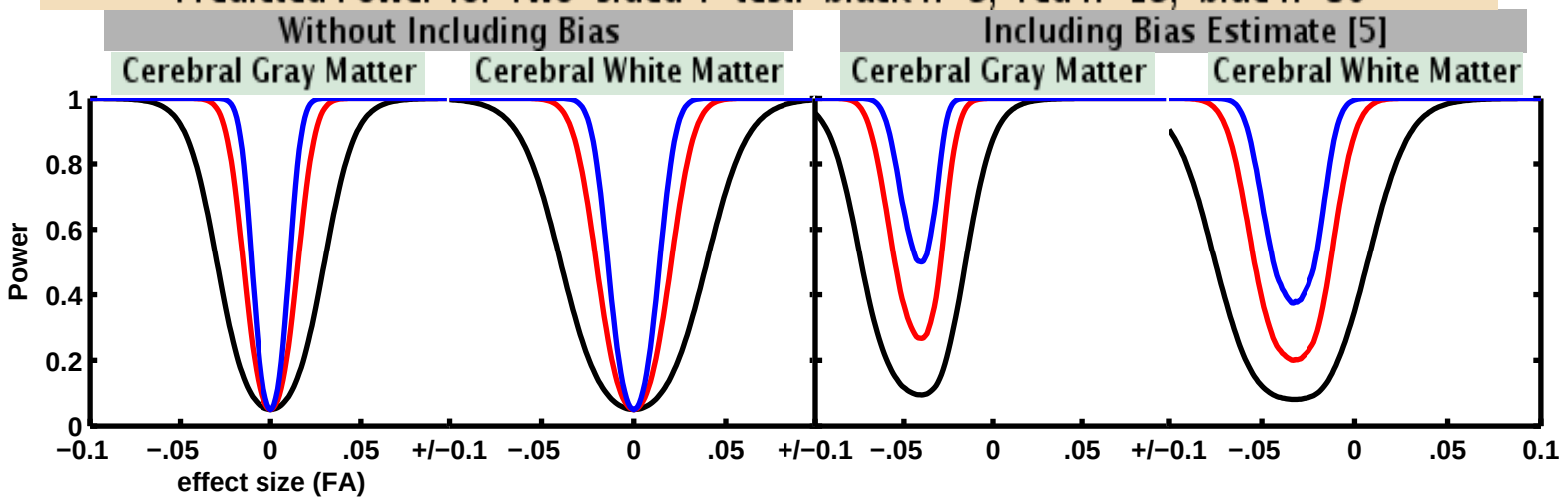



bias
0.2
0.1
0
σFA
0.1
0.05
0
FA
1
0.5
0
MD
x10−3
mm2/s
4
2
0
see ref [2]
CSF
Cerebral GM
Cerebral WM
Cerebellar GM
Cerebellar WM
Vermis
Brain Stem
Caudate
Amygdala
Hippo-campus
Pallidum
Putamen
Thalamus
Ventral DC

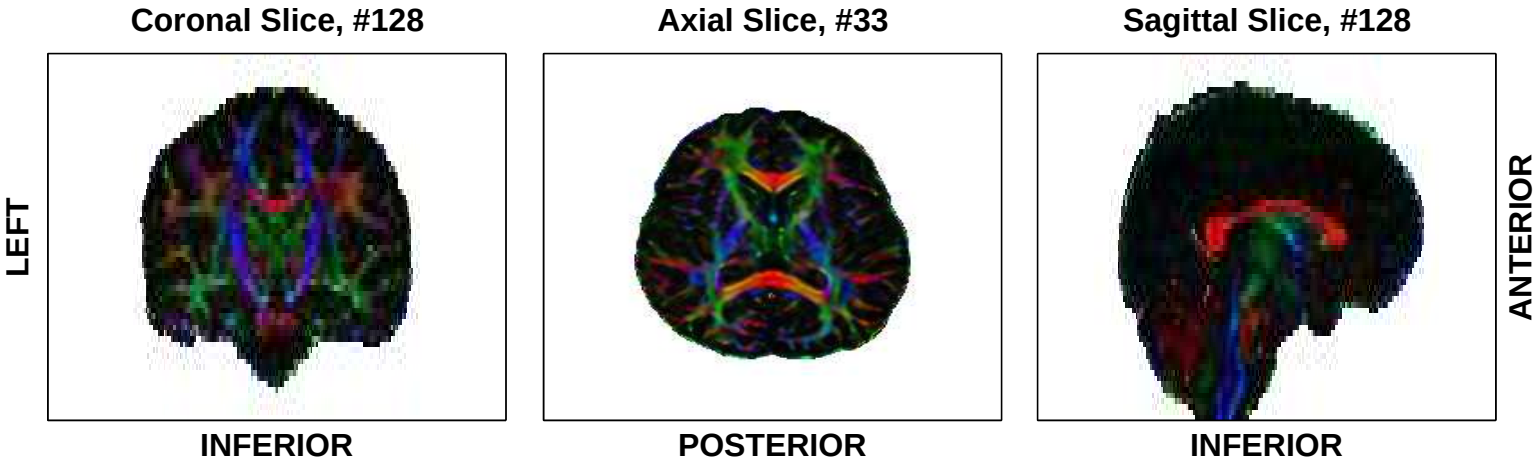
Mid-Axial Slice Examples of Estimates



Predicted Power for Two-sided T-test: black n=5; red n=15; blue n=30



Fiber Direction Map: red left-right; green front-back; blue head-toe



Cited References:

[1] Papadakis, N., et al., "A measure of curve fitting...", J. Magn. Reson. 164: 1-9 (2003)

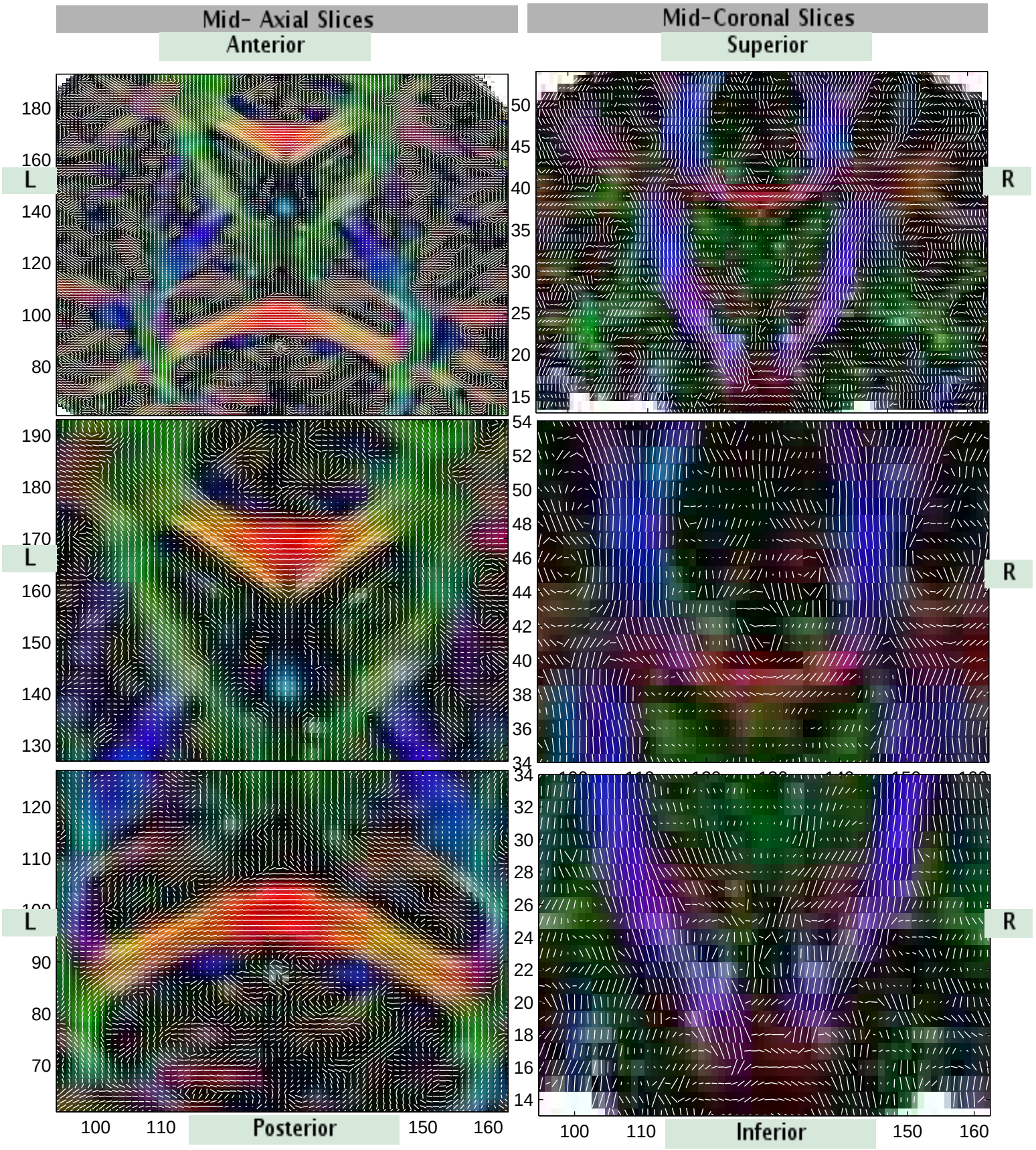
[2] Asman A., Landman, B.A., "Non-local Staple: An intensity driven mutli-atlas...", MICCAI (2012)

[3] Whitcher B., et. al, "Using the wild bootstrap ...", Human Brain Mapping 29: 346-362 (2008)

[4] Lauzon C., et. al., "Assessment of bias in diffusion tensor imaging ...", Magn Reson Med (in press)

[5] Lauzon C., Landman, B.A.., "Correcting power and p-value ...", Magn Reson Med (submitted)

Check Vector Directions



Author Comments:

(1) Image proportions are NOT scaled by the voxel mm resolution.

(2) This report assumes single Bo for SIMEX and bootstrap.

(3) For details: http://masi.vuse.vanderbilt.edu/index.php/QAServer

version date: June 2012 contact: bennett.landman@vanderbilt.edu