[fsl@localhost mri]$ recon-all -i orig/001.mgz -i orig/002.mgz -autorecon1 -s bert -force

INFO: /mnt/hgfs/VBM/DicomImages/bert exists with -i, but -force specified.

Deleting any previous source volumes

Subject Stamp: freesurfer-Linux-centos4-stable-pub-v4.3.1

Current Stamp: freesurfer-Linux-centos4-stable-pub-v4.3.1

INFO: SUBJECTS\_DIR is /mnt/hgfs/VBM/DicomImages

Actual FREESURFER\_HOME /home/fsl/Desktop/freesurfer

-rwxrwxrwx 1 root root 53497 Jun 30 09:35 /mnt/hgfs/VBM/DicomImages/bert/scripts/recon-all.log

Linux localhost.localdomain 2.6.18-8.1.8.el5 #1 SMP Tue Jul 10 06:50:22 EDT 2007 i686 i686 i386 GNU/Linux

/mnt/hgfs/VBM/DicomImages/bert

 mri\_convert /home/fsl/Desktop/freesurfer/subjects/bert/mri/orig/001.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz

mri\_convert /home/fsl/Desktop/freesurfer/subjects/bert/mri/orig/001.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /home/fsl/Desktop/freesurfer/subjects/bert/mri/orig/001.mgz...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, -0, -0)

j\_ras = (0, 0, -1)

k\_ras = (-0, 1, -0)

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz...

/mnt/hgfs/VBM/DicomImages/bert

 mri\_convert /home/fsl/Desktop/freesurfer/subjects/bert/mri/orig/002.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz

mri\_convert /home/fsl/Desktop/freesurfer/subjects/bert/mri/orig/002.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /home/fsl/Desktop/freesurfer/subjects/bert/mri/orig/002.mgz...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, -0, -0)

j\_ras = (0, 0, -1)

k\_ras = (-0, 1, -0)

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz...

#--------------------------------------------

#@# MotionCor Tue Jun 30 09:38:25 BST 2009

Found 2 runs

/mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz

/mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz

#-----------------------------------------------

/mnt/hgfs/VBM/DicomImages/bert

 mri\_motion\_correct.fsl -o /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz -wild /mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz

tmpdir is /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052

--------------------------------------------------------------

mri\_motion\_correct.fsl logfile is /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz.mri\_motion\_correct.fsl.log

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Converting /mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz

Tue Jun 30 09:38:38 BST 2009

/mnt/hgfs/VBM/DicomImages/bert

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img -odt float

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /mnt/hgfs/VBM/DicomImages/bert/mri/orig/001.mgz...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, -0, -0)

j\_ras = (0, 0, -1)

k\_ras = (-0, 1, -0)

changing data type from 0 to 3 (noscale = 0)...

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img...

Analyze Output Matrix

-1.000 0.000 -0.000 134.400;

-0.000 0.000 1.000 -111.000;

-0.000 -1.000 -0.000 129.000;

 0.000 0.000 0.000 1.000;

--------------------

INFO: set hdr.hist.orient to -1

-----------------------------------------

Converting /mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz

Tue Jun 30 09:38:46 BST 2009

/mnt/hgfs/VBM/DicomImages/bert

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img -odt float

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /mnt/hgfs/VBM/DicomImages/bert/mri/orig/002.mgz...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, -0, -0)

j\_ras = (0, 0, -1)

k\_ras = (-0, 1, -0)

changing data type from 0 to 3 (noscale = 0)...

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img...

Analyze Output Matrix

-1.000 0.000 -0.000 134.400;

-0.000 0.000 1.000 -111.000;

-0.000 -1.000 -0.000 129.000;

 0.000 0.000 0.000 1.000;

--------------------

INFO: set hdr.hist.orient to -1

-----------------------------------------

Motion Correcting /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img

Tue Jun 30 09:38:54 BST 2009

/mnt/hgfs/VBM/DicomImages/bert

fsl\_rigid\_register -maxangle 90 -r /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img -i /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img -o /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/resampled.img -tmpdir /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052 -cleanup

$Id: fsl\_rigid\_register,v 1.26.2.1 2008/08/12 23:38:57 nicks Exp $

Tue Jun 30 09:38:54 BST 2009

/mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/resampled.img

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/mnt/hgfs/VBM/DicomImages/bert

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/refvol.fsl\_rigid\_register.nii

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/refvol.fsl\_rigid\_register.nii

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, 0, 0)

j\_ras = (0, 0, -1)

k\_ras = (0, 1, 0)

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/refvol.fsl\_rigid\_register.nii...

--------------------------------------

/mnt/hgfs/VBM/DicomImages/bert

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/invol.fsl\_rigid\_register.nii

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/invol.fsl\_rigid\_register.nii

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, 0, 0)

j\_ras = (0, 0, -1)

k\_ras = (0, 1, 0)

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/invol.fsl\_rigid\_register.nii...

--------------------------------------

/mnt/hgfs/VBM/DicomImages/bert

tkregister2\_cmdl --targ /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img --mov /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img --reg /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/tkregister.dat --fslregout /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/initxfm.fslmat --regheader --noedit --s doesnotmatter

tkregister\_tcl /home/fsl/Desktop/freesurfer/lib/tcl/tkregister2.tcl

target volume /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img

movable volume /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img

reg file /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/tkregister.dat

LoadVol 0

ZeroCRAS 0

$Id: tkregister2.c,v 1.86.2.12 2009/03/19 22:04:20 greve Exp $

Diagnostic Level -1

INFO: loading target /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img

Ttarg: --------------------

-1.000 0.000 0.000 128.000;

 0.000 0.000 1.000 -128.000;

 0.000 -1.000 0.000 128.000;

 0.000 0.000 0.000 1.000;

INFO: loading movable /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img

Tmov: --------------------

-1.000 0.000 0.000 128.000;

 0.000 0.000 1.000 -128.000;

 0.000 -1.000 0.000 128.000;

 0.000 0.000 0.000 1.000;

mkheaderreg = 1, float2int = 0

Computing reg from header (and possibly input matrix)

---- Input registration matrix (computed) --------

 1.000 0.000 0.000 0.000;

 0.000 1.000 0.000 0.000;

 0.000 0.000 1.000 0.000;

 0.000 0.000 0.000 1.000;

---------------------------------------

---- Input registration matrix --------

 1.000 0.000 0.000 0.000;

 0.000 1.000 0.000 0.000;

 0.000 0.000 1.000 0.000;

 0.000 0.000 0.000 1.000;

Determinant 1

subject = doesnotmatter

RegMat ---------------------------

 1.000 0.000 0.000 0.000;

 0.000 1.000 0.000 0.000;

 0.000 0.000 1.000 0.000;

 0.000 0.000 0.000 1.000;

register: file /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/tkregister.dat written

FSLOUTPUTTYPE NIFTI

tkreg2FSL: mov det = -1, ref det = -1

Init FSL Mat based on geometry -------------------

 1.00000000 -0.00000000 -0.00000000 -0.00000000

 -0.00000000 1.00000000 -0.00000000 -0.00000000

 -0.00000000 -0.00000000 1.00000000 -0.00000000

 0.00000000 0.00000000 0.00000000 1.00000000

-------------------------------------------------

--------------------------------------

/mnt/hgfs/VBM/DicomImages/bert

calling eval flirt -in /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/invol.fsl\_rigid\_register.hdr -out /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/outvol.fsl\_rigid\_register.hdr -bins 256 -cost corratio -searchrx -90 90 -searchry -90 90 -searchrz -90 90 -interp trilinear -dof 6 -ref /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/refvol.fsl\_rigid\_register.hdr -init /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/initxfm.fslmat -omat /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/outvol.fsl\_rigid\_register.fslmat

--------------------------------------

/mnt/hgfs/VBM/DicomImages/bert

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/outvol.fsl\_rigid\_register.nii /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/resampled.img

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/outvol.fsl\_rigid\_register.nii /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/resampled.img

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/outvol.fsl\_rigid\_register.nii...

TR=1000.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, 0, 0)

j\_ras = (0, 0, -1)

k\_ras = (0, 1, 0)

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/resampled.img...

Analyze Output Matrix

-1.000 0.000 0.000 134.400;

 0.000 0.000 1.000 -111.000;

 0.000 -1.000 0.000 129.000;

 0.000 0.000 0.000 1.000;

--------------------

INFO: set hdr.hist.orient to -1

Started at Tue Jun 30 09:38:54 BST 2009

Ended at Tue Jun 30 09:42:15 BST 2009

fsl\_rigid\_register Done

To check results, run:

tkmedit -f /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img -aux /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/resampled.img

mv /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/resampled.img /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img

-----------------------------------------

Averaging

Tue Jun 30 09:42:15 BST 2009

/mnt/hgfs/VBM/DicomImages/bert

inhibiting isotropic volume interpolation

1 of 2: reading /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-1.img...

2 of 2: reading /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/cor-2.img...

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/avgvol.img...

Analyze Output Matrix

-1.000 0.000 0.000 134.400;

 0.000 0.000 1.000 -111.000;

 0.000 -1.000 0.000 129.000;

 0.000 0.000 0.000 1.000;

alignment and averaging took 0 minutes and 24 seconds.

--------------------

INFO: set hdr.hist.orient to -1

-----------------------------------------

Converting Average to output

Tue Jun 30 09:42:39 BST 2009

/mnt/hgfs/VBM/DicomImages/bert

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/avgvol.img /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz -tr 0 -te 0 -TI 0 -flip\_angle 0

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/avgvol.img /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz -tr 0 -te 0 -TI 0 -flip\_angle 0

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /mnt/hgfs/VBM/DicomImages/bert/mri/tmp-mri\_motion\_correct.fsl-4052/avgvol.img...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, 0, 0)

j\_ras = (0, 0, -1)

k\_ras = (0, 1, 0)

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz...

-----------------------------------------

Started at: Tue Jun 30 09:38:29 BST 2009

Ended at: Tue Jun 30 09:42:49 BST 2009

mri\_motion\_correct.fsl: done

/mnt/hgfs/VBM/DicomImages/bert

 mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig.mgz --conform

mri\_convert /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig.mgz --conform

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from /mnt/hgfs/VBM/DicomImages/bert/mri/rawavg.mgz...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, 0, 0)

j\_ras = (0, 0, -1)

k\_ras = (0, 1, 0)

Original Data has (1, 1, 1) mm size and (256, 256, 256) voxels.

Data is conformed to 1 mm size and 256 voxels for all directions

changing data type from 3 to 0 (noscale = 0)...

MRIchangeType: Building histogram

writing to /mnt/hgfs/VBM/DicomImages/bert/mri/orig.mgz...

 mri\_add\_xform\_to\_header -c /mnt/hgfs/VBM/DicomImages/bert/mri/transforms/talairach.xfm /mnt/hgfs/VBM/DicomImages/bert/mri/orig.mgz /mnt/hgfs/VBM/DicomImages/bert/mri/orig.mgz

INFO: extension is mgz

#--------------------------------------------

#@# Nu Intensity Correction Tue Jun 30 09:43:03 BST 2009

 mri\_nu\_correct.mni --i orig.mgz --o nu.mgz --n 2

/mnt/hgfs/VBM/DicomImages/bert/mri

/home/fsl/Desktop/freesurfer/bin/mri\_nu\_correct.mni

--i orig.mgz --o nu.mgz --n 2

nIters 2

$Id: mri\_nu\_correct.mni,v 1.7.2.2 2009/05/04 16:16:27 nicks Exp $

Linux localhost.localdomain 2.6.18-8.1.8.el5 #1 SMP Tue Jul 10 06:50:22 EDT 2007 i686 i686 i386 GNU/Linux

Tue Jun 30 09:43:04 BST 2009

tmpdir is ./tmp.mri\_nu\_correct.mni.4300

/mnt/hgfs/VBM/DicomImages/bert/mri

mri\_convert orig.mgz ./tmp.mri\_nu\_correct.mni.4300/nu0.mnc

mri\_convert orig.mgz ./tmp.mri\_nu\_correct.mni.4300/nu0.mnc

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from orig.mgz...

TR=0.00, TE=0.00, TI=0.00, flip angle=0.00

i\_ras = (-1, 0, 0)

j\_ras = (0, 0, -1)

k\_ras = (0, 1, 0)

writing to ./tmp.mri\_nu\_correct.mni.4300/nu0.mnc...

--------------------------------------------------------

Iteration 1 Tue Jun 30 09:43:12 BST 2009

nu\_correct -clobber ./tmp.mri\_nu\_correct.mni.4300/nu0.mnc ./tmp.mri\_nu\_correct.mni.4300/nu1.mnc -tmpdir ./tmp.mri\_nu\_correct.mni.4300/0/

--------------------------------------------------------

Iteration 2 Tue Jun 30 09:43:13 BST 2009

nu\_correct -clobber ./tmp.mri\_nu\_correct.mni.4300/nu1.mnc ./tmp.mri\_nu\_correct.mni.4300/nu2.mnc -tmpdir ./tmp.mri\_nu\_correct.mni.4300/1/

mri\_convert ./tmp.mri\_nu\_correct.mni.4300/nu2.mnc nu.mgz --like orig.mgz

mri\_convert ./tmp.mri\_nu\_correct.mni.4300/nu2.mnc nu.mgz --like orig.mgz

mincRead(): can't find file ./tmp.mri\_nu\_correct.mni.4300/nu2.mnc

$Id: mri\_convert.c,v 1.146.2.5 2009/04/08 18:40:23 nicks Exp $

reading from ./tmp.mri\_nu\_correct.mni.4300/nu2.mnc...

ERROR: converting nu to COR/mgz

Linux localhost.localdomain 2.6.18-8.1.8.el5 #1 SMP Tue Jul 10 06:50:22 EDT 2007 i686 i686 i386 GNU/Linux

recon-all exited with ERRORS at Tue Jun 30 09:43:14 BST 2009