\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q20_no1

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21.0 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	20 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	0.92 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set01

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set02

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set03

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set04

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q20_no2

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21.0 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	20 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	0.92 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set05

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set06

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set07

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set08

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q20_no3

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21.0 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	20 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	0.92 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set09

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set10

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set11

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set12

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q20_no4

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21.0 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	20 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	0.92 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set13

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set14

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set15

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set16

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q20_no5

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21.0 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	20 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	0.92 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set17

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set18

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set19

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set20

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q20_no6

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21.0 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	20 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	0.92 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set21

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set22

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set23

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

\\USER\Feinberglab\Joseph\ssfp_dwi_7T_0.85mm\ssfp_dwi_fmrib_q300_set24

TA: 42:02 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 USER: ssfp_dwi_fmrib

Properties

Prio Recon	Off
Before measurement	
After measurement	
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	single

Routine

Slab group 1	
Slabs	1
Dist. factor	50 %
Position	L5.0 A38.0 F5.0
Orientation	Transversal
Phase enc. dir.	R >> L
Rotation	90.00 deg
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
FoV read	204 mm
FoV phase	87.5 %
Slice thickness	0.85 mm
TR	29 ms
TE	21 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	B4;M2,3;T1

Contrast

MTC	Off
Flip angle	24 deg
Fat suppr.	None
Averaging mode	Long term
Reconstruction	Magnitude
Measurements	7
Delay in TR	0 ms
Multiple series	Off

Resolution

Base resolution	240
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Raw filter	Off

Geometry

Multi-slice mode	Interleaved
Series	Ascending
Special sat.	None
Table position	H
Table position	0 mm
Inline Composing	Off

System

T1	On
M2	On
B4	On
M3	On
V32	Off
Positioning mode	FIX
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	---
Auto Coil Select	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Silicone	Off
? Ref. amplitude 1H	0.000 V
Adjustment Tolerance	Auto
Adjust volume	
! Position	L5.0 A38.0 F6.0
! Orientation	Transversal
! Rotation	90.00 deg
! A >> P	163 mm
! R >> L	125 mm
! F >> H	104 mm

Physio

1st Signal/Mode	None

Composing

Sequence

Introduction	Off
Dimension	3D
Contrasts	1
Bandwidth	393 Hz/Px
Free echo spacing	Off
Echo spacing	3.09 ms
EPI factor	3
RF pulse type	Fast
RF spoiling	Off
q-value	300 (cm^-1)
Gmax	52.0 (mT/m)
Grad dur	13.56 (ms)
DiffusionVectors	_7T_short.txt
Direction Set	1
# Directions	7
Phase correction	Separate TR
Echo shifting	Off
RF Pulse Dur.	2560 us
RF Time*BW	6.0
Global FFT Scale Factor	25 x
Diff Grad Slew Rate x	2.0 x
RO Grad Slew Rate x	2.0 x
PE1 Grad Slew Rate x	1.5 x
PE2 Grad Slew Rate x	1.4 x

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