\\USER\Fe	einberglab\Joseph\ssfp_dwi	i_7T_0.85mm\ssfp_dwi_fmri	b_q20_no1
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	n Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	_ M2	On
Before measurement	Oil	B4	On
After measurement		M3	On
	0.5	V32	Off
Load to viewer	On Off	Desitioning	FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Obine and de	Otendend
		Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	I	10111111
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21.0 ms	Composing	
	1	Composing	
Averages Concatenations	1	Sequence	
	•	Introduction	Off
Filter	None	Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	20 (cm^-1)
Delay in TR	0 ms	Gmax	· ·
Multiple series	Off	Grad dur	52.0 (mT/m) 0.92 (ms)
Resolution			
Base resolution	240	DiffusionVectors	_7T_short.txt
Phase resolution	100 %	Direction Set	1
		# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Raw filter	Off	RF Time*BW	6.0
		Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
	OII		
System			

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_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		T1	On
Prio Recon	Off	M2	On
Before measurement	Oii	B4	On
After measurement		M3	On
	On	V32	Off
Load to viewer	On O#	Desitioning mode	FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Obias as als	01
		Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %		
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Con cicinents	D+,WIZ,O, 1 1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EDI ()	
Averaging mode	Long torm	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	300 (cm^-1)
Delay in TR	0 ms	Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	25 X 2.0 X
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x 2.0 x
Series	Ascending	PE1 Grad Slew Rate x	2.0 x 1.5 x
Series	Ascending		
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	H		
Table position	0 mm		
Inline Composing	Off		
System		2/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_0.85mm\ssfp_dwi_fmrib	_q300_set02
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	•	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	- M2	On
Before measurement	0.11	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
	Off	_	R >> L
Load to stamp segments	Off	Sagittal Coronal	A >> P
Load images to graphic	Oil		F >> H
segments	0#	Transversal	
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	0"	AutoAlign	 D ()
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	4	Assume Silicone	Off
Dist. factor	1 50 %		
		? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	150 400 0 50 0
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	•	None
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	0	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
		Contrasts	1
Contrast	~"	Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude		
Measurements	7	RF spoiling	Off
Delay in TR	0 ms	q-value	300 (cm^-1)
		Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	6.0 25 x
Geometry			
Geometry	Intorio que d	Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System			

\\USER\Fei	 nberglab\Joseph\ssfp_dwi_7	T_0.85mm\ssfp_dwi_fmrib	_q300_set03
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	•	ssfp_dwi_fmrib
			,
Properties		T1	On
Prio Recon	Off	- M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
	On	V32	Off
Load to viewer	On O"		FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
	3	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
	-	! r >> п	104 11111
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	1st Signal/Mode	None
TR	29 ms	1	
TE	21 ms	Composing	
Averages	1	Sequence	
Concatenations	1	Introduction	Off
Filter	None	Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	3D 1
Contrast		Bandwidth	
MTC	Off		393 Hz/Px
	24 deg	Free echo spacing	Off
Flip angle	•	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•		Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 X 2.0 X
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Selles	Ascertaing		
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 	

Properties Prio Recon Before measurement After measurement Load to viewer Inline movie Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without further preparation	Off On Off On Off On Off On Off Off	8 mm Rel. SNR: 1.00 USER: T1 M2 B4 M3 V32 Positioning mode MSMA	ssfp_dwi_fmrib On On On On On On On On	
Prio Recon Before measurement After measurement Load to viewer Inline movie Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	On Off On Off	M2 B4 M3 V32 Positioning mode	On On On	
Prio Recon Before measurement After measurement Load to viewer Inline movie Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	On Off On Off	B4 M3 V32 Positioning mode	On On	
Before measurement After measurement Load to viewer Inline movie Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	On Off On Off	M3 V32 Positioning mode	On	
After measurement Load to viewer Inline movie Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	Off On Off	M3 V32 Positioning mode	On	
Load to viewer Inline movie Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	Off On Off	V32 Positioning mode	_	
Inline movie Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	Off On Off	Positioning mode		
Auto store images Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	On Off	•		
Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	Off	•	FIX	
Load to stamp segments Load images to graphic segments Auto open inline display Start measurement without	Off		S - C - T	
Load images to graphic segments Auto open inline display Start measurement without		Sagittal	R >> L	
segments Auto open inline display Start measurement without	Oli	Coronal	A >> P	
Auto open inline display Start measurement without				
Start measurement without	0"	Transversal	F >> H	
	Off	Save uncombined	Off	
further preparation	On	Coil Combine Mode	Sum of Squares	
iaitioi piepaiation		AutoAlign		
Wait for user to start	Off	Auto Coil Select	Default	
Start measurements	single			
	5g.c	Shim mode	Standard	
Routine		Adjust with body coil	Off	
Slab group 1		Confirm freq. adjustment	Off	
Slabs	1	Assume Silicone	Off	
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V	
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto	
			Auto	
Orientation	Transversal	Adjust volume		
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0	
Rotation	90.00 deg	! Orientation	Transversal	
Phase oversampling	0 %	! Rotation	90.00 deg	
Slice oversampling	0.0 %	! A >> P	163 mm	
Slices per slab	176	! R >> L	125 mm	
FoV read	204 mm	!F>> H	104 mm	
FoV phase	87.5 %	1 .1 >> 11	104 111111	
•		Physio		
Slice thickness	0.85 mm	1st Signal/Mode	None	
TR	29 ms	ı		
TE	21 ms	Composing		
Averages	1	Coguenes		
Concatenations	1	Sequence		
Filter	None	Introduction	Off	
Coil elements	B4;M2,3;T1	Dimension	3D	
	,,-,	Contrasts	1	
Contrast		Bandwidth	393 Hz/Px	
MTC	Off	Free echo spacing	Off	
Flip angle	24 deg	Echo spacing	3.09 ms	
Fat suppr.	None			
		EPI factor	3	
Averaging mode	Long term	RF pulse type	Fast	
Reconstruction	Magnitude	RF spoiling	Off	
Measurements	7			
Delay in TR	0 ms	q-value	300 (cm^-1)	
	Off	Ġmax	52.0 (mT/m)	
Multiple series	OII	Grad dur	13.56 (ms)	
Resolution		DiffusionVectors	_7T_short.txt	
Base resolution	240	Direction Set	1	
	100 %		I 7	
Phase resolution		# Directions	7	
Slice resolution	100 %	Phase correction	Separate TR	
Phase partial Fourier	Off	Echo shifting	Off	
Interpolation	Off	RF Pulse Dur.	2560 us	
	0#	RF Time*BW	6.0	
Raw filter	Off	Global FFT Scale Factor	25 x	
Geometry		Diff Grad Slew Rate x	2.0 x	
•	Interlegeral			
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x	
Series	Ascending	PE1 Grad Slew Rate x	1.5 x	
Special sat.	None	PE2 Grad Slew Rate x	1.4 x	
Table position	 Н			
Table position				
Table position	0 mm			
Inline Composing	Off			
System				

\\USER\F	einberglab\Joseph\ssfp_dwi		b_q20_no2
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	– M2	On
Before measurement	Oil	B4	On
After measurement		M3	On
	05	V32	Off
Load to viewer	On O#	Docitioning mode	FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
			_
Slab group 1	4	Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Dhysis	
Slice thickness	0.85 mm	Physio	Mana
TR	29 ms	1st Signal/Mode	None
TE	21.0 ms	Composing	
Averages	1	-	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
	, , ,	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	Kr spoiling	
Delay in TR	0 ms	q-value	20 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•	ŬII	Grad dur	0.92 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
B (1)		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
	7.00011ailig	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	1 L2 Glad Glow Itale A	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	7T 0.85mm\ssfp dwi fmrib	q300 set05
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	•	ssfp_dwi_fmrib
.,			
Droportion		T1	On
Properties	0"	_ M2	On
Prio Recon	Off	B4	On
Before measurement		M3	On
After measurement		V32	Off
Load to viewer	On		
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments	3 .1	Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On		
	On	Coil Combine Mode	Sum of Squares
further preparation	•	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine			Off
		Adjust with body coil	_
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	!F>> H	104 mm
	_	! F >> II	104 11111
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	1st Signal/Mode	None
TR	29 ms	1	
TE	21 ms	Composing	
Averages	1	Saguenee	
Concatenations	1	Sequence	0"
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
		Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EDI ()	
A		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	300 (cm^-1)
Delay in TR	0 ms	Gmax	, ,
Multiple series	Off		52.0 (mT/m)
Resolution		Grad dur	13.56 (ms)
Base resolution	240	_ DiffusionVectors	_7T_short.txt
		Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Dow filter	O#	RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
	U 11		
System			
•		7/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_		_q300_set06
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	·	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	_ M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
	05	V32	Off
Load to viewer	On O"		EN
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
	G	Shim mode	Standard
Routine		_ Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	!F>> H	104 mm
	-	117711	104 11111
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	1st Signal/Mode	None
TR	29 ms		
TE	21 ms	Composing	
Averages	1	Sequence	
Concatenations	1	Introduction	Off
Filter	None	Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	Lono spacing	3.09 1115
1 at suppr.		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
		Grad dur	13.56 (ms)
Resolution	0.40	DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Dow filter	Off	RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
	7.00011ailig	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	. LE Sidd Glow Halo x	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System			

\\USER\Fei	nberglab\Joseph\ssfp_dwi_		_q300_set07
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	·	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	_ M2	On
Before measurement	Oli	B4	On
		M3	On
After measurement	•	V32	Off
Load to viewer	On		
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	.	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	_	Auto Coli Gelect	
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	
		1	Auto
Orientation	Transversal	Adjust volume	1504000500
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	l Bu	
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	Composing	
	1	Sequence	
Concatenations	•	Introduction	Off
Filter	None	Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg		
	None	Echo spacing	3.09 ms
Fat suppr.		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•	U	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
·····			
Raw filter	Off	RF Time*BW	6.0
0		Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Considerat	Name	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	•	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
			
System			
		9/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_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		T1	On
Prio Recon	Off	- M2	On
Before measurement	0.11	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments	Oli	Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	OII	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
Start measurements	Sirigie	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	·	
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1		
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
ı	, , , ,	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
		Grad dur	13.56 (ms)
Resolution	0.10	DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Raw filter	Off	RF Time*BW	6.0
I and the second		Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	П 0 mm		
Inline Composing	Off		
	OII		
System			

\\USER\F	einberglab\Joseph\ssfp_dwi		b_q20_no3
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	_ M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
	Oil	Transversal	F >> H
segments	Off	Save uncombined	Off
Auto open inline display	On	Coil Combine Mode	
Start measurement without	On		Sum of Squares
further preparation Wait for user to start	Off	AutoAlign Auto Coil Select	Default
		Auto Coil Select	Delauit
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	11 >> 11	104 111111
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21.0 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Con cicinents	D-1,1012,0,1 1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	CDI forter	
Averaging mode	Long term	EPI factor	3 Fast
Reconstruction	Magnitude	RF pulse type	
Measurements	7	RF spoiling	Off
Delay in TR	0 ms	q-value	20 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•	Oli	Grad dur	0.92 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Pow filter	Off	RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Charielant	Nana	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	1	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System			

\\USER\Fei	nberglab\Joseph\ssfp_dwi_	7T_0.85mm\ssfp_dwi_fmrib	_q300_set09
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	·	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	_ M2	On
Before measurement	5	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	_	R >> L
	Off	Sagittal Coronal	A >> P
Load images to graphic	Oil	Transversal	F >> H
segments	0#		
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	2"	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %		0.000 V
		? Ref. amplitude 1H	
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	1504000500
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm		None
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	0	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
	, , ,	Contrasts	1
Contrast	~	_ Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term		Fast
Reconstruction	Magnitude	RF pulse type RF spoiling	
Measurements	7	RF Spoiling	Off
Delay in TR	0 ms	q-value	300 (cm^-1)
		Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	6.0 25 x
Geometry		Diff Grad Slew Rate x	
•	Interlegued		2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	H		
Table position	0 mm		
Inline Composing	Off		
1			
System			

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	7T_0.85mm\ssfp_dwi_fmrib	_q300_set10
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	•	ssfp_dwi_fmrib
			<u> </u>
Properties		T1	On
Prio Recon	Off	- M2	On
Before measurement	311	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	_	R >> L
	Off	Sagittal Coronal	A >> P
Load images to graphic	Oii	Transversal	F >> H
segments	0#		
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	2"	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	4	Assume Silicone	Off
Dist. factor	1 50 %		0.000 V
		? Ref. amplitude 1H	*****
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	1504000500
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm		None
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	0	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
	, , ,	Contrasts	1
Contrast	~	Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term		Fast
Reconstruction	Magnitude	RF pulse type RF spoiling	
Measurements	7	Kr spoiling	Off
Delay in TR	0 ms	q-value	300 (cm^-1)
1		Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	
Coometry			25 x
Geometry	Interiory of	Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System			

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_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		T1	On
	0#	M2	On
Prio Recon	Off	B4	On
Before measurement		M3	On
After measurement	•	V32	Off
Load to viewer	On		—
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Chim mode	Standard
Routine		Shim mode	- 1011 101011 01
		Adjust with body coil	Off
Slab group 1	4	Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physic	
Slice thickness	0.85 mm	Physio	N
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	· · · · · · · · · · · · · · · · · ·	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
	,,•,	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term		3 Fast
Reconstruction	Magnitude	RF pulse type	
Measurements	7	RF spoiling	Off
Delay in TR	0 ms	q-value	300 (cm^-1)
	Off	Ġmax	52.0 (mT/m)
Multiple series	OII	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 X 2.0 X
Series	Ascending	PE1 Grad Slew Rate x	2.0 X 1.5 X
	, 306 iuing	PE2 Grad Slew Rate x	1.5 X 1.4 X
Special sat.	None	PEZ Grad Siew Rate X	1.4 X
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		14/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	 7T_0.85mm\ssfp_dwi_fmrib	_q300_set12
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	· ·	ssfp_dwi_fmrib
		I T4	0-
Properties		T1	On
Prio Recon	Off	- M2	On
Before measurement	5 .1	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
	_	Docition in a mode	FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	·
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
Start measurements	Single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	Adio
			150 420 0 50 0
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Dhyaia	
Slice thickness	0.85 mm	Physio	N
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
	•	Introduction	Off
Filter	None	Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg		_
	None	Echo spacing	3.09 ms
Fat suppr.		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•	ŬII	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	
			2560 us
Raw filter	Off	RF Time*BW	6.0
1		Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Charial	Nama	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	ı	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 15/31	

		_7T_0.85mm\ssfp_dwi_fmri	•
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	n Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	_ M2	On
Before measurement	Oii	B4	On
		M3	On
After measurement	On	V32	Off
Load to viewer	On O#	Desitioning mode	
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments	0"	Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Siabs Dist. factor	1 50 %	? Ref. amplitude 1H	Oπ 0.000 V
		•	
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	1504000505
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	1st Signal/Mode	None
TR	29 ms	rst Signal/Mode	None
TE	21.0 ms	Composing	
Averages	1		
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
O a ratura at		Contrasts	1
Contrast	~"	_ Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	re spoiling	OII
Delay in TR	0 ms	q-value	20 (cm^-1)
	Off	Gmax	52.0 (mT/m)
Multiple series	OII	Grad dur	0.92 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	25 X 2.0 X
Multi-slice mode	Interlegyed		
	Interleaved	RO Grad Slew Rate x PE1 Grad Slew Rate x	2.0 x
Series	Ascending		1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
	0 mm		
Table position	0 mm Off		
	0 mm Off		

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	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		T1	On
Prio Recon	Off	- M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
	Oil	Transversal	F >> H
segments	Off	Save uncombined	Off
Auto open inline display	On	Coil Combine Mode	
Start measurement without	On		Sum of Squares
further preparation Wait for user to start	Off	AutoAlign Auto Coil Select	 Default
		Auto Coil Select	Delault
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	rato
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	!R>>L	125 mm
FoV read	204 mm	! K >> L ! F >> H	104 mm
	87.5 %	! Г >> П	104 11111
FoV phase		Physio	
Slice thickness	0.85 mm	1st Signal/Mode	None
TR	29 ms	1	
TE	21 ms	Composing	
Averages	1	Sequence	
Concatenations	1 Name	Introduction	Off
Filter	None	Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	300 (cm^-1)
Delay in TR	0 ms	Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x 2.0 x
Series	Ascending	PE1 Grad Slew Rate x	2.0 x 1.5 x
Series	Ascending		
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
1			
System		_ 17/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_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		T1	On
Prio Recon	Off	M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
	On	V32	Off
Load to viewer	On O#	Desitioning mode	FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments	0"	Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
	1		
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	1504000500
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm		None
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1		
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
		Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
1	Oli	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
	7.000nang	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	1 LZ Glad Glow Rate A	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System			
System		18/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	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		T1	On
Prio Recon	Off	- M2	On
Before measurement	311	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments	Oli	Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	011	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
Otart measurements	Single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Di .	
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1		
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Contract		Contrasts	1
Contrast	0"	Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
'		Grad dur	13.56 (ms)
Resolution	240	DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1_
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Raw filter	Off	RF Time*BW	6.0
ı		Global FFT Scale Factor	25 x
Geometry	lated acce.	Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 19/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_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		T1	On
Prio Recon	Off	M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
•	Off		R >> L
Load to stamp segments Load images to graphic	Off	Sagittal Coronal	A >> P
	Oli	Transversal	F >> H
segments	Off	Save uncombined	Off
Auto open inline display	_	Coil Combine Mode	
Start measurement without	On		Sum of Squares
further preparation Wait for user to start	Off	AutoAlign Auto Coil Select	 Default
		Auto Coil Select	Delauit
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	!R>>L	125 mm
FoV read	204 mm	!F>> H	104 mm
FoV phase	87.5 %	:1 >>11	104 11111
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Con elements	D4,IVI2,3,11	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
Averaging mode	Long torm	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	300 (cm^-1)
Delay in TR	0 ms	Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
		PE2 Grad Slew Rate x	1.4 x
Special sat.	None	. LE Sida Sion Nato X	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		20/31	

\\USER\F	einberglab\Joseph\ssfp_dwi		b_q20_no5
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	- M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
	0.5	V32	Off
Load to viewer	On O#	Docitioning models	FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Object of the second of the se	01
		Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %		
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21.0 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Con ciements	D+,W2,0,11	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
A	I are tawn	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	20 (cm^-1)
Delay in TR	0 ms	Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	0.92 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off		Off
Interpolation	Off	Echo shifting	_
		RF Pulse Dur.	2560 us
Raw filter	Off	RF Time*BW	6.0
Coomotor		Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 21/31	

\\USER\Fei	nberglab\Joseph\ssfp_dw	i_7T_0.85mm\ssfp_dwi_fmrib	_q300_set17
TA: 42:02	Voxel size: 0.8×0.8×0.8 m	nm Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
		l T1	On
roperties		M2	On
Prio Recon	Off	B4	On
Before measurement		M3	On
After measurement		V32	Off
Load to viewer	On		
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
	5g.c	Shim mode	Standard
outine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	!F>> H	104 mm
FoV phase	87.5 %	1 2211	104 11111
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
		Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	1
ontrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•		Grad dur	13.56 (ms)
esolution	0.10	DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Raw filter	Off	RF Time*BW	6.0
Naw IIIICI	OII	Global FFT Scale Factor	25 x
eometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
		PE2 Grad Slew Rate x	1.4 x
	None	1 LZ Grad Glow Mate X	
Special sat.		-	
Special sat. Table position	Н	-	
Table position	Н	-	

\\USER\Fei	 nberglab\Joseph\ssfp_dwi_7	 7T_0.85mm\ssfp_dwi_fmrib	_q300_set18
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	· ·	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	- M2	On
Before measurement	5 11	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
	Off	_	R >> L
Load to stamp segments	Off	Sagittal Coronal	A >> P
Load images to graphic	Oil		F >> H
segments	0#	Transversal	
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	0"	AutoAlign	 D ()
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	1 50 %		
		? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	1504000500
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	,	None
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	0	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
	, , ,	Contrasts	1
Contrast	~"	Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term		Fast
Reconstruction	Magnitude	RF pulse type	
Measurements	7	RF spoiling	Off
Delay in TR	0 ms	q-value	300 (cm^-1)
		Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	6.0 25 x
Geometry		Diff Grad Slew Rate x	
Multi-slice mode	Interlogued		2.0 x
	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 23/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_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		T1	On
Prio Recon	Off	M2	On
Before measurement	311	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
•	Off		R >> L
Load to stamp segments Load images to graphic	Off	Sagittal Coronal	A >> P
	Oli	Transversal	F >> H
segments	Off	Save uncombined	Off
Auto open inline display	_	Coil Combine Mode	
Start measurement without	On		Sum of Squares
further preparation Wait for user to start	Off	AutoAlign Auto Coil Select	 Default
		Auto Coil Select	Delauit
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	71010
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	!R>>L	125 mm
FoV read	204 mm	! K >> L ! F >> H	· - • · · · · · ·
	87.5 %	!г>>п	104 mm
FoV phase		Physio	
Slice thickness	0.85 mm	1st Signal/Mode	None
TR	29 ms		
TE	21 ms	Composing	
Averages	1	Sequence	
Concatenations	1 Name	Introduction	Off
Filter	None	Dimension	3D
Coil elements	B4;M2,3;T1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	300 (cm^-1)
Delay in TR	0 ms	Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	_/ 1_3hort.txt
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x 2.0 x
Series	Ascending	PE1 Grad Slew Rate x	2.0 x 1.5 x
Series	Ascending		
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		24/31	

		_7T_0.85mm\ssfp_dwi_fmrib	•
TA: 42:02	Voxel size: 0.8×0.8×0.8 mi	m Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
No. o. o. u4: o. o		T1	On
Properties	~"	M2	On
Prio Recon	Off	B4	On
Before measurement		M3	On
After measurement		V32	Off
Load to viewer	On		
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
Clare moderationicine	Sirigio	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation		! Position	Transversal
	90.00 deg		
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	1st Signal/Mode	None
TR	29 ms	15t Signal/Wode	None
TE	21 ms	Composing	
Averages	1		
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Con ciomonto	D 1,1012,0,1 1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	g volve	200 (om^ 1)
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•		Grad dur	13.56 (ms)
esolution	0.40	DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
Dow filtor	O#	RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Seometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
	ASCERIUMY		
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
	0 mm		
Table position			
Table position			
Table position Inline Composing	Off		

\\USER\F	einberglab\Joseph\ssfp_dwi		b_q20_no6
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	_ M2	On
Before measurement	Oil	B4	On
After measurement		M3	On
	05	V32	Off
Load to viewer	On Off	Desitioning mode	FIV
Inline movie	Off	Positioning mode	FIX
Auto store images	On O"	MSMA	S-C-T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation		AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
			_
Slab group 1	4	Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Dhysis	
Slice thickness	0.85 mm	Physio	Name
TR	29 ms	1st Signal/Mode	None
TE	21.0 ms	Composing	
Averages	1		
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
	, , ,	Contrasts	1
Contrast		_ Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	2
Averaging mode	Long term		3 Fast
Reconstruction	Magnitude	RF pulse type	
Measurements	7	RF spoiling	Off
Delay in TR	0 ms	q-value	20 (cm^-1)
Multiple series	Off	Ġmax	52.0 (mT/m)
wulliple series	Oil	Grad dur	0.92 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Jenes	Ascending	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	FEZ GIAU SIEW KALE X	1. 4 A
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 	

\\USER\Fei	nberglab\Joseph\ssfp_dwi	_7T_0.85mm\ssfp_dwi_fmrib	_q300_set21
TA: 42:02	Voxel size: 0.8x0.8x0.8 m	m Rel. SNR: 1.00 USER:	ssfp_dwi_fmrib
		T1	On
Properties		M2	On
Prio Recon	Off	B4	On
Before measurement		M3	On
After measurement		V32	Off
Load to viewer	On	V 02	
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	.	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
Start measurements	Sirigie	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	Auto
		! Position	L5.0 A38.0 F6.0
Phase enc. dir.	R >> L		
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physic	
Slice thickness	0.85 mm	Physio	Mana
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1		
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Con cicinents	D+,1V12,0,1 1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		200 (1)
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•		Grad dur	13.56 (ms)
Resolution	0.10	DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Seometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x 2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
	0 mm		
	V 111111		
Table position			
Inline Composing	Off		

\\USER\Fei	 nberglab\Joseph\ssfp_dwi_7	T_0.85mm\ssfp_dwi_fmrib	_q300_set22
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	•	ssfp_dwi_fmrib
			<u> </u>
Properties		T1	On
Prio Recon	Off	- M2	On
Before measurement	0.11	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
	Off	_	R >> L
Load to stamp segments	Off	Sagittal Coronal	A >> P
Load images to graphic	Oii		F >> H
segments	0#	Transversal	
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	0"	AutoAlign	 D ()
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	1 50 %		
		? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	150 400 0 50 0
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Physio	
Slice thickness	0.85 mm	•	None
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	0	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
		Contrasts	1
Contrast	~"	Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude		
Measurements	7	RF spoiling	Off
Delay in TR	0 ms	q-value	300 (cm^-1)
		Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	6.0 25 x
Geometry			
Geometry	Intoriogyad	Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		_ 28/31	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_	7T 0.85mm\ssfp dwi fmrib	q300 set23
TA: 42:02	Voxel size: 0.8×0.8×0.8 mm	•	ssfp_dwi_fmrib
Properties		T1	On
Prio Recon	Off	– M2	On
	Oil	B4	On
Before measurement		M3	On
After measurement	_	V32	Off
Load to viewer	On		
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
Load to stamp segments	Off	Sagittal	R >> L
Load images to graphic	Off	Coronal	A >> P
segments		Transversal	F >> H
Auto open inline display	Off	Save uncombined	Off
Start measurement without	On	Coil Combine Mode	Sum of Squares
further preparation	.	AutoAlign	
Wait for user to start	Off	Auto Coil Select	Default
Start measurements	single		
Start measurements	Single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	Auto
			L F O A 20 O FC O
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	! R >> L	125 mm
FoV read	204 mm	! F >> H	104 mm
FoV phase	87.5 %	Dhysia	
Slice thickness	0.85 mm	Physio	N
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements		Dimension	3D
Con elements	B4;M2,3;T1	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
		EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7		
Delay in TR	0 ms	q-value	300 (cm^-1)
Multiple series	Off	Gmax	52.0 (mT/m)
•		Grad dur	13.56 (ms)
Resolution		_ DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	2.0 x 1.5 x
Series	Ascending		
Special sat.	None	PE2 Grad Slew Rate x	1.4 x
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
	ŬII		
System		_	

\\USER\Fei	nberglab\Joseph\ssfp_dwi_7	T_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		T1	On
Prio Recon	Off	M2	On
Before measurement	Oli	B4	On
After measurement		M3	On
Load to viewer	On	V32	Off
Inline movie	Off	Positioning mode	FIX
Auto store images	On	MSMA	S - C - T
•	Off		R >> L
Load to stamp segments Load images to graphic	Off	Sagittal Coronal	A >> P
	Oii	Transversal	F >> H
segments	Off	Save uncombined	Off
Auto open inline display	_	Coil Combine Mode	
Start measurement without	On		Sum of Squares
further preparation Wait for user to start	Off	AutoAlign Auto Coil Select	 Default
		Auto Coil Select	Delauit
Start measurements	single	Shim mode	Standard
Routine		Adjust with body coil	Off
Slab group 1		Confirm freq. adjustment	Off
Slabs	1	Assume Silicone	Off
Dist. factor	50 %	? Ref. amplitude 1H	0.000 V
Position	L5.0 A38.0 F5.0	Adjustment Tolerance	Auto
Orientation	Transversal	Adjust volume	, 13.10
Phase enc. dir.	R >> L	! Position	L5.0 A38.0 F6.0
Rotation	90.00 deg	! Orientation	Transversal
Phase oversampling	0 %	! Rotation	90.00 deg
Slice oversampling	0.0 %	! A >> P	163 mm
Slices per slab	176	!R>>L	125 mm
FoV read	204 mm	!F>> H	104 mm
FoV phase	87.5 %	:1 >>11	104 11111
Slice thickness	0.85 mm	Physio	
TR	29 ms	1st Signal/Mode	None
TE	21 ms	Composing	
Averages	1	Composing	
Concatenations	1	Sequence	
Filter	None	Introduction	Off
Coil elements	B4;M2,3;T1	Dimension	3D
Con elements	D4,IVI2,3,11	Contrasts	1
Contrast		Bandwidth	393 Hz/Px
MTC	Off	Free echo spacing	Off
Flip angle	24 deg	Echo spacing	3.09 ms
Fat suppr.	None		
Averaging mode	Long torm	EPI factor	3
Averaging mode	Long term	RF pulse type	Fast
Reconstruction	Magnitude	RF spoiling	Off
Measurements	7	q-value	300 (cm^-1)
Delay in TR	0 ms	Gmax	52.0 (mT/m)
Multiple series	Off	Grad dur	13.56 (ms)
Resolution		DiffusionVectors	_7T_short.txt
Base resolution	240	Direction Set	1
Phase resolution	100 %	# Directions	7
Slice resolution	100 %	Phase correction	Separate TR
Phase partial Fourier	Off	Echo shifting	Off
Interpolation	Off	RF Pulse Dur.	2560 us
		RF Time*BW	6.0
Raw filter	Off	Global FFT Scale Factor	25 x
Geometry		Diff Grad Slew Rate x	2.0 x
Multi-slice mode	Interleaved	RO Grad Slew Rate x	2.0 x
Series	Ascending	PE1 Grad Slew Rate x	1.5 x
	,	PE2 Grad Slew Rate x	1.4 x
Special sat.	None	s.aa s.a. rato x	
Table position	Н		
Table position	0 mm		
Inline Composing	Off		
System		30/31	

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