\\USER\Research\MCBI_TESTING\fMRI_slice_time_test\Localizer T1 Based +TL_5slab
TA: 0:21 PAT: 2 Voxel size: 1.0×1.0×3.5 mm Rel. SNR: 1.00 SIEMENS: tfl

Properties		Magn. preparation	Non-sel. IR
Prio Recon	Off	ТІ	1100 ms
Before measurement	Oli	Flip angle	12 deg
After measurement		Fat suppr.	None
Load to viewer	On	Water suppr.	None
Inline movie	Off	Averaging mode	Short term
Auto store images	On	Reconstruction	Magnitude
Load to stamp segments	Off	Measurements	1
Load images to graphic	Off	Multiple series	Each measurement
segments	.	'	
Auto open inline display	Off	Resolution	
Start measurement without	On	Base resolution	256
further preparation	.	Phase resolution	100 %
Wait for user to start	On	Phase partial Fourier	Off
Start measurements	single	Interpolation	Off
	5g.5	PAT mode	GRAPPA
Routine		Accel. factor PE	2
Slice group 1		Ref. lines PE	128
Slices	1	Matrix Coil Mode	Auto (Triple)
Dist. factor	50 %	Reference scan mode	Integrated
Position	L0.0 A35.0 H0.0		
Orientation	Sagittal	Image Filter	Off
Phase enc. dir.	A >> P	Distortion Corr.	Off
Rotation	0.00 deg	Prescan Normalize	Off
Slice group 2		Normalize	Off
Slices	1	B1 filter	Off
Dist. factor	50 %	Raw filter	Off
Position	L0.0 A35.0 H0.0	Elliptical filter	On
Orientation	Transversal	Mode	Inplane
Phase enc. dir.	A >> P	Geometry	
Rotation	0.00 deg	Multi-slice mode	Single shot
Slice group 3		Series	Ascending
Slices	1		
Dist. factor	50 %	System	
Position	L0.0 A20.0 H0.0	Body	Off
Orientation	Coronal	HEP	On
Phase enc. dir.	R >> L	HEA	On
Rotation	0.00 deg	SP4	Off
Slice group 4	•	SP2	Off
Slices	3	SP8	Off
Dist. factor	20 %	SP6	Off
Position	L25.0 A35.0 H0.0	SP3	Off
Orientation Phase enc. dir.	Sagittal A >> P	SP1	Off
	0.00 deg	SP7	Off
Rotation	0.00 deg	SP5	Off
Slice group 5 Slices	3		
Dist. factor	20 %	Positioning mode	REF
Position	R25.0 A35.0 H0.0	Table position	Н
Orientation	Sagittal	Table position	0 mm
Phase enc. dir.	A >> P	MSMA	S - C - T
Rotation	0.00 deg	Sagittal	R >> L
Phase oversampling	0.00 deg 0 %	Coronal	A >> P
FoV read	256 mm	Transversal	F >> H
FoV read FoV phase	100.0 %	Save uncombined	Off
Slice thickness	3.5 mm	Coil Combine Mode	Adaptive Combine
TR	2330 ms	AutoAlign	
TE	3.17 ms	Auto Coil Select	Default
Averages	3.17 IIIS 1	Shim mode	Tune up
Concatenations	1	Adjust with body coil	On
Filter	Elliptical filter	Confirm freq. adjustment	Off
Coil elements	HEA;HEP	Assume Silicone	Off
Con cicinonia		? Ref. amplitude 1H	0.000 V
Contrast		Adjustment Tolerance	Auto
		,	

Adjust volume Position Orientation Rotation R >> L A >> P	Isocenter Transversal 0.00 deg 350 mm 263 mm
F >> H	350 mm
Physio	
1st Signal/Mode	None

1st Signal/Mode	None
Dark blood	Off
Resp. control	Off

Inline

Subtract	Off	
Std-Dev-Sag	Off	
Std-Dev-Cor	Off	
Std-Dev-Tra	Off	
Std-Dev-Time	Off	
MIP-Sag	Off	
MIP-Cor	Off	
MIP-Tra	Off	
MIP-Time	Off	
Save original images	On	

Sequence

Introduction	Off
Dimension	2D
Asymmetric echo	Allowed
Bandwidth	130 Hz/Px
Flow comp.	No
Echo spacing	7.9 ms
 RF pulse type Gradient mode Excitation RF spoiling	Fast Fast Slice-sel. On

\\USER\Research\MCBI_TESTING\fMRI_slice_time_test\fMRI_2vol_34sl_int_int TA: 0:11 PAT: 2 Voxel size: 3.3×3.3×3.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_bold

Properties		Multi-slice mode Series	Interleaved Interleaved
Prio Recon	Off		
Before measurement After measurement		Special sat.	None
Load to viewer	On	System	0#
Inline movie	Off	Body	Off
Auto store images	On	HEP HEA	On
Load to stamp segments	Off	ПЕА	On
Load images to graphic	Off	Positioning mode	REF
segments	Off	Table position	H
Auto open inline display Start measurement without		Table position	0 mm
	On	MSMA	S - C - T
further preparation Wait for user to start	Off	Sagittal	R >> L
Start measurements	-	Coronal	A >> P
Start measurements	single	Transversal	F >> H
Routine		Coil Combine Mode AutoAlign	Sum of Squares
Slice group 1		Auto Coil Select	Default
Slices	34	Auto Coli Select	
Dist. factor	20 %	Shim mode	Standard
Position	Isocenter	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg	? Ref. amplitude 1H	0.000 V
Phase oversampling	0 %	Adjustment Tolerance	Auto
FoV read	208 mm	Adjust volume	
FoV phase	100.0 %	Position	Isocenter
Slice thickness	3.0 mm	Orientation	Transversal
TR	1850 ms	Rotation	0.00 deg
TE	30 ms	R >> L	208 mm
Averages Concatenations	1	A >> P	208 mm
Filter	Raw filter	F >> H	122 mm
Coil elements	HEA;HEP	Physio	
	11673,1161	1st Signal/Mode	None
Contrast		BOLD	
MTC	Off	GLM Statistics	Off
Flip angle	75 deg	Dynamic t-maps	Off
Fat suppr.	Fat sat.	Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	2	Temp. highpass filter	On
Delay in TR	0 ms	Threshold	4.00
Multiple series	Off	Paradigm size	16
Resolution		Meas[1]	Baseline
Base resolution	64	Meas[2]	Baseline
Phase resolution	100 %	Meas[3]	Baseline
Phase partial Fourier	Off	Meas[4]	Baseline
Interpolation	Off	Meas[5]	Baseline
			Baseline
PAT mode	GRAPPA	Meas[7]	Baseline
Accel. factor PE	2	Meas[8]	Baseline
Ref. lines PE	32	Meas[9]	Baseline
Matrix Coil Mode	Auto (Triple)	Meas[10]	Baseline
Reference scan mode	Separate	Meas[11]	Active Active
Distortion Corr.	Off	Meas[12]	Active
Prescan Normalize	Off	Meas[13] Meas[14]	Active
Raw filter	On	Meas[14] Meas[15]	Active
Intensity	Weak	Meas[15]	Active
Slope	25	Motion correction	Off
Elliptical filter	Off	Spatial filter	Off
Hamming	Off		
Geometry		Sequence	
		0/45	

Properties Prio Recon	Off	Multi-slice mode Series	Interleaved Descending
Before measurement	Oli	Special sat.	None
After measurement	_	System	
Load to viewer	On	Body	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On
Load to stamp segments	Off		
Load images to graphic	Off	Positioning mode	FIX
segments		Table position	Н
Auto open inline display	Off	Table position	0 mm
Start measurement without	On	MSMA	S - C - T
further preparation		Sagittal	R >> L
Wait for user to start	Off	Coronal	A >> P
Start measurements	single	Transversal	F >> H
Routine		Coil Combine Mode	Sum of Squares
		———— AutoAlign	
Slice group 1	24	Auto Coil Select	Default
Slices Dist factor	34 20 %		0
Dist. factor		Shim mode	Standard
Position	Isocenter	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg	? Ref. amplitude 1H	0.000 V
Phase oversampling	0 %	Adjustment Tolerance	Auto
FoV read	208 mm	Adjust volume	
FoV phase	100.0 %	Position	Isocenter
Slice thickness	3.0 mm	Orientation	Transversal
TR	1850 ms	Rotation	0.00 deg
TE	30 ms	R >> L	208 mm
Averages	1	A >> P	208 mm
Concatenations	1	F >> H	122 mm
Filter	Raw filter	Physio	
Coil elements	HEA;HEP		None
Contrast		1st Signal/Mode	None
MTC	Off	BOLD	
Flip angle	75 deg	GLM Statistics	Off
Fat suppr.	Fat sat.	Dynamic t-maps	Off
i at suppi.	ı aı saı.	Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	2	Temp. highpass filter	On
Delay in TR	0 ms	Threshold	4.00
Multiple series	Off	Paradigm size	16
Posalution		Meas[1]	Baseline
Resolution	6.4	Meas[2]	Baseline
Base resolution	64	Meas[3]	Baseline
Phase resolution	100 %	Meas[4]	Baseline
Phase partial Fourier	Off	Meas[5]	Baseline
Interpolation	Off		Baseline
PAT mode	GRAPPA	Meas[7]	Baseline
Accel. factor PE	2	Meas[8]	Baseline
Ref. lines PE	32	Meas[9]	Baseline
Matrix Coil Mode	Auto (Triple)	Meas[10]	Baseline
Reference scan mode	Separate	Meas[11]	Active
		Meas[12]	Active
Distortion Corr.	Off	Meas[12]	Active
Prescan Normalize	Off	Meas[13]	Active
Raw filter	On	Meas[14]	Active
Intensity	Weak	Meas[16]	Active
Slope	25	Motion correction	Off
Elliptical filter	Off		Off
Hamming	Off	Spatial filter	OII
Coometry		Sequence	
Geometry			

\\USER\Research\MCBI_TESTING\fMRI_slice_time_test\fMRI_2vol_34sl_int_asc TA: 0:11 PAT: 2 Voxel size: 3.3×3.3×3.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_bold

Properties	0"	Multi-slice mode Series	Interleaved Ascending
Prio Recon	Off	Chariel act	······
Before measurement After measurement		Special sat.	None
Load to viewer	On	System	
Inline movie	Off	Body	Off
Auto store images	On	HEP	On
Load to stamp segments	Off	HEA	On
	Off	Desitioning and	FIV
Load images to graphic	Oli	Positioning mode	FIX
segments	0"	Table position	H
Auto open inline display	Off	Table position	0 mm
Start measurement without	On	MSMA	S - C - T
further preparation	•	Sagittal	R >> L
Wait for user to start	Off	Coronal	A >> P
Start measurements	single	Transversal	F >> H
Routine		Coil Combine Mode	Sum of Squares
Slice group 1		— AutoAlign	
Slices	34	Auto Coil Select	Default
Dist. factor	20 %	China manda	Otom doud
Position		Shim mode	Standard
	Isocenter	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg	? Ref. amplitude 1H	0.000 V
Phase oversampling	0 %	Adjustment Tolerance	Auto
FoV read	208 mm	Adjust volume	
FoV phase	100.0 %	Position	Isocenter
Slice thickness	3.0 mm	Orientation	Transversal
TR	1850 ms	Rotation	0.00 deg
TE	30 ms	R >> L	208 mm
Averages	1	A >> P	208 mm
Concatenations	1	F>> H	122 mm
Filter	Raw filter		122 111111
Coil elements	HEA;HEP	Physio	
Con elements	HEA,HEH	1st Signal/Mode	None
Contrast		— POLD	
MTC	Off	— BOLD	0"
Flip angle	75 deg	GLM Statistics	Off
Fat suppr.	Fat sat.	Dynamic t-maps	Off
		Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	2	Temp. highpass filter	On
Delay in TR	0 ms	Threshold	4.00
Multiple series	Off	Paradigm size	16
Resolution		Meas[1]	Baseline
	64	— Meas[2]	Baseline
Base resolution	64	Meas[3]	Baseline
Phase resolution	100 %	Meas[4]	Baseline
Phase partial Fourier	Off	Meas[5]	Baseline
Interpolation	Off	Meas[6]	Baseline
PAT mode	CDADDA		
	GRAPPA	Meas[7]	Baseline
Accel. factor PE	2	Meas[8]	Baseline
Ref. lines PE	32	Meas[9]	Baseline
Matrix Coil Mode	Auto (Triple)	Meas[10]	Baseline
Reference scan mode	Separate	Meas[11]	Active
Distortion Corr.	Off	Meas[12]	Active
Prescan Normalize	Off	Meas[13]	Active
Raw filter		Meas[14]	Active
	On Week	Meas[15]	Active
Intensity	Weak	Meas[16]	Active
Slope	25	Motion correction	Off
Elliptical filter	Off	Spatial filter	Off
Hamming	Off	•	
Geometry		Sequence	

\\USER\Research\MCBI_TESTING\fMRI_slice_time_test\fMRI_2vol_33sl_int_int TA: 0:11 PAT: 2 Voxel size: 3.3×3.3×3.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_bold

Properties Prio Recon	Off	Multi-slice mode Series	Interleaved Interleaved
Before measurement	Oli	Special sat.	None
After measurement	_	System	
Load to viewer	On	Body	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On
Load to stamp segments	Off	IILA	
Load images to graphic	Off	Positioning mode	FIX
segments		Table position	Н
Auto open inline display	Off	Table position	0 mm
Start measurement without	On	MSMA	S - C - T
further preparation		Sagittal	R >> L
Wait for user to start	Off	Coronal	A >> P
Start measurements	single	Transversal	F >> H
1	sg.s	Coil Combine Mode	Sum of Squares
Routine		———— AutoAlign	
Slice group 1		Auto Coil Select	Default
Slices	33	Auto Coil Select	Delault
Dist. factor	20 %	Shim mode	Standard
Position	Isocenter	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg	? Ref. amplitude 1H	0.000 V
Phase oversampling	0.00 dog 0 %	Adjustment Tolerance	Auto
FoV read	208 mm		Auto
FoV phase	100.0 %	Adjust volume	la a a a a ta a
1		Position	Isocenter
Slice thickness	3.0 mm	Orientation	Transversal
TR	1850 ms	Rotation	0.00 deg
TE .	30 ms	R >> L	208 mm
Averages	1	A >> P	208 mm
Concatenations	1	F >> H	119 mm
Filter	Raw filter	Physio	
Coil elements	HEA;HEP	•	None
Contrast		1st Signal/Mode	None
MTC	Off	BOLD	
Flip angle	75 deg	GLM Statistics	Off
	Fat sat.	Dynamic t-maps	Off
Fat suppr.	rai sai. 	Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	2	Temp. highpass filter	On
Delay in TR	0 ms	Threshold	4.00
Multiple series	Off	Paradigm size	16
	U	Meas[1]	Baseline
Resolution			Baseline Baseline
Base resolution	64	Meas[2]	
Phase resolution	100 %	Meas[3]	Baseline
Phase partial Fourier	Off	Meas[4]	Baseline
Interpolation	Off	Meas[5]	Baseline
		Meas[6]	Baseline
PAT mode	GRAPPA	Meas[7]	Baseline
Accel. factor PE	2	Meas[8]	Baseline
Ref. lines PE	32	Meas[9]	Baseline
Matrix Coil Mode	Auto (Triple)	Meas[10]	Baseline
Reference scan mode	Separate	Meas[11]	Active
Distantian Com		Meas[12]	Active
Distortion Corr.	Off	Meas[13]	Active
Prescan Normalize	Off	Meas[14]	Active
Raw filter	On	Meas[15]	Active
Intensity	Weak	Meas[16]	Active
Slope	25	Motion correction	Off
Elliptical filter	Off	Spatial filter	Off
Hamming	Off	'	Oil
Coometry		Sequence	
Geometry			

Properties Prio Recon	Off	Multi-slice mode Series	Interleaved Descending
Before measurement	Oli	Special sat.	None
After measurement	_	System	
Load to viewer	On	Body	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On
Load to stamp segments	Off		
Load images to graphic	Off	Positioning mode	FIX
segments		Table position	Н
Auto open inline display	Off	Table position	0 mm
Start measurement without	On	MSMA	S - C - T
further preparation		Sagittal	R >> L
Wait for user to start	Off	Coronal	A >> P
Start measurements	single	Transversal	F >> H
Routine		Coil Combine Mode	Sum of Squares
Slice group 1		AutoAlign	
Slices	22	Auto Coil Select	Default
Dist. factor	33 20 %	Chim resede	Ctondord
		Shim mode	Standard
Position	Isocenter	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg 0 %	? Ref. amplitude 1H	0.000 V
Phase oversampling		Adjustment Tolerance	Auto
FoV read	208 mm	Adjust volume	
FoV phase	100.0 %	Position	Isocenter
Slice thickness	3.0 mm	Orientation	Transversal
TR 	1850 ms	Rotation	0.00 deg
TE	30 ms	R >> L	208 mm
Averages	1	A >> P	208 mm
Concatenations	1	F >> H	119 mm
Filter	Raw filter	Physio	
Coil elements	HEA;HEP	1st Signal/Mode	None
Contrast			140110
MTC	Off	— BOLD	
Flip angle	75 deg	GLM Statistics	Off
Fat suppr.	Fat sat.	Dynamic t-maps	Off
		Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	2	Temp. highpass filter	On
Delay in TR	0 ms	Threshold	4.00
Multiple series	Off	Paradigm size	16
Resolution		Meas[1]	Baseline
Base resolution	64	— Meas[2]	Baseline
Phase resolution	100 %	Meas[3]	Baseline
Phase partial Fourier	Off	Meas[4]	Baseline
Interpolation	Off	Meas[5]	Baseline
		Meas[6]	Baseline
PAT mode	GRAPPA	Meas[7]	Baseline
Accel. factor PE	2	Meas[8]	Baseline
Ref. lines PE	32	Meas[9]	Baseline
Matrix Coil Mode	Auto (Triple)	Meas[10]	Baseline
Reference scan mode	Separate	Meas[11]	Active
Distantian Carr		Meas[12]	Active
	Off	Meas[13]	Active
Distortion Corr.	O#		
Prescan Normalize	Off	Meas[14]	Active
Prescan Normalize Raw filter	On	Meas[14] Meas[15]	Active Active
Prescan Normalize Raw filter Intensity	On Weak	Meas[15]	
Prescan Normalize Raw filter Intensity Slope	On Weak 25	Meas[15] Meas[16]	Active Active
Prescan Normalize Raw filter Intensity Slope Elliptical filter	On Weak 25 Off	Meas[15] Meas[16] Motion correction	Active Active Off
Prescan Normalize Raw filter Intensity Slope	On Weak 25	Meas[15] Meas[16]	Active Active

\\USER\Research\MCBI_TESTING\fMRI_slice_time_test\fMRI_2vol_33sl_int_asc TA: 0:11 PAT: 2 Voxel size: 3.3×3.3×3.0 mm Rel. SNR: 1.00 SIEMENS: ep2d_bold

Properties Prio Recon	Off	Multi-slice mode Series	Interleaved Ascending
Before measurement	Oli	Special sat.	None
After measurement		System	
Load to viewer	On	Body	Off
Inline movie	Off	HEP	On
Auto store images	On	HEA	On
Load to stamp segments	Off		
Load images to graphic	Off	Positioning mode	FIX
segments		Table position	Н
Auto open inline display	Off	Table position	0 mm
Start measurement without	On	MSMA	S - C - T
further preparation	0.4	Sagittal	R >> L
Wait for user to start	Off	Coronal	A >> P
Start measurements	single	Transversal	F >> H
Routine		Coil Combine Mode	Sum of Squares
Slice group 1		——— AutoAlign	
Slices	33	Auto Coil Select	Default
Dist. factor	20 %	Shim mode	Standard
Position	Isocenter	Adjust with body coil	Off
Orientation	Transversal	Confirm freq. adjustment	Off
Phase enc. dir.	A >> P	Assume Silicone	Off
Rotation	0.00 deg	? Ref. amplitude 1H	0.000 V
Phase oversampling	0 %	Adjustment Tolerance	Auto
FoV read	208 mm	Adjust volume	71010
FoV phase	100.0 %	Position	Isocenter
Slice thickness	3.0 mm	Orientation	Transversal
TR	1850 ms	Rotation	0.00 deg
TE	30 ms	R >> L	208 mm
Averages	1	A >> P	208 mm
Concatenations	1	F >> H	119 mm
Filter	Raw filter	l .	
Coil elements	HEA;HEP	Physio	
Contrast		1st Signal/Mode	None
MTC	Off	BOLD	
Flip angle	75 deg	GLM Statistics	Off
Fat suppr.	Fat sat.	Dynamic t-maps	Off
ι αι συρρι.	ı aı saı.	Starting ignore meas	0
Averaging mode	Long term	Ignore after transition	0
Reconstruction	Magnitude	Model transition states	On
Measurements	2	Temp. highpass filter	On
Delay in TR	0 ms	Threshold	4.00
Multiple series	Off	Paradigm size	16
Resolution		Meas[1]	Baseline
Base resolution	64	Meas[2]	Baseline
Phase resolution	100 %	Meas[3]	Baseline
Phase partial Fourier	Off	Meas[4]	Baseline
Interpolation	Off	Meas[5]	Baseline
		Meas[6]	Baseline
PAT mode	GRAPPA	Meas[7]	Baseline
Accel. factor PE	2	Meas[8]	Baseline
Ref. lines PE	32	Meas[9]	Baseline
Matrix Coil Mode	Auto (Triple)	Meas[10]	Baseline
Reference scan mode	Separate	Meas[11]	Active
Distortion Corr.	Off	Meas[12]	Active
Prescan Normalize	Off	Meas[13]	Active
Raw filter	On	Meas[14]	Active
Intensity	Weak	Meas[15]	Active
Slope	25	Meas[16]	Active
Elliptical filter	Off	Motion correction	Off
Hamming	Off	Spatial filter	Off
		Sequence	
Geometry			

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\\USER

Research	
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	fMRI_2vol_34sl_int_asc
	fMRI_2vol_33sl_int_int
	fMRI_2vol_33sl_int_des
	fMRI_2vol_33sl_int_asc