

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Human\3 Plane Localizer  
 TA:0:12 PAT:Off Voxel size:1.5×1.5×8.0 mm Rel. SNR:1.00 :fl

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

**Routine**

Nr. of slice groups	3
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	20.0 ms
TE	5.00 ms
Averages	1
Concatenations	3
Filter	Raw filter, Distortion Corr.(2D), Normalize
Coil elements	HC1-7;NC1,2

## Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	40 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	On
TD	0 ms
Mode	2D
Unfiltered images	Off
Prescan Normalize	Off
Normalize	On
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

## Geometry

Nr. of slice groups	3
Slices	1
Dist. factor	20 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Sequential
Series	Ascending
Saturation mode	Standard
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

## System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	On
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	ISO
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	Default
B0 Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm

F >> H	350 mm
Frequency 1H	123.250858 MHz
Correction factor	1
SRFExcit 1H	89.108 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

**Physio**

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

**Inline**

Inline Composing	Off
Distortion correction	Off

**Sequence**

Introduction	Off
Dimension	2D
Averaging mode	Short term
Multi-slice mode	Sequential
Asymmetric echo	Off
Contrasts	1
Bandwidth	180 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7;NC1,2
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
Liver registration	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Contrasts	1
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Human\Accelerated Sagittal  
MPRAGE

TA:5:12 PAT:2 Voxel size:1.0×1.0×1.0 mm Rel. SNR:1.00 :tfl

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	L0.0 P5.4 H0.4 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	93.8 %
Slice thickness	1.00 mm
TR	2300.0 ms
TE	2.98 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	HC1-7;NC1,2

## Contrast

Magn. preparation	Non-sel. IR
TI	900 ms
Flip angle	9 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Accel. factor 3D	1
Mode	3D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	Off

## Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	L0.0 P5.4 H26.4 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	208
Multi-slice mode	Single shot
Series	Ascending
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off



## System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	On
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	ISO
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 P5.4 H26.4 mm
Rotation	0.00 deg
F >> H	256 mm
A >> P	240 mm

R >> L	208 mm
Frequency 1H	123.250858 MHz
Correction factor	1
SLoopIRns1 1H	420.980 V
Gain	Low
Table position	26 mm
Img. Scale. Cor.	1.000

**Physio**

1st Signal/Mode	None
Magn. preparation	Non-sel. IR
TI	900 ms
Dark blood	Off
Resp. control	Off

**Inline**

Inline Composing	Off
Distortion correction	Off

**Sequence**

Introduction	On
Dimension	3D
Elliptical scanning	Off
Averaging mode	Long term
Multi-slice mode	Single shot
Reordering	Linear
Asymmetric echo	Off
Bandwidth	240 Hz/Px
Flow comp.	No
Echo spacing	7.1 ms
Turbo factor	208
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7;NC1,2
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Save original images	On

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Human\Sagittal 3D FLAIR  
TA:5:28 PAT:3 Voxel size:1.0×1.0×1.2 mm Rel. SNR:1.00 :spcir

**Properties**

Prio Recon	Off
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
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slab groups	1
Slabs	1
Position	L0.0 A5.7 F0.2 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	256 mm
FoV phase	100.0 %
Slice thickness	1.20 mm
TR	4800 ms
TE	441.0 ms
Concatenations	1
Filter	Raw filter, Distortion Corr.(3D), Prescan Normalize
Coil elements	HC1-7;NC1,2

## Contrast

MTC	Off
Magn. preparation	Non-sel. T2-IR
TI 1	1650 ms
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Restore magn.	Off
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Allowed
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	24
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Accel. factor 3D	1
Mode	3D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	Off

## Geometry

Nr. of slab groups	1
Slabs	1
Position	L0.0 A5.7 H22.8 mm
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	160
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Fat sat. mode	Strong
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off
Restore magn.	Off

## System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	On
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	ISO
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	L >> R
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A5.7 H22.8 mm
Rotation	0.00 deg
F >> H	256 mm
A >> P	256 mm

R >> L	192 mm
Frequency 1H	123.250858 MHz
Correction factor	1
SLoopFCSatNS 1H	69.269 V
Gain	High
Table position	23 mm
Img. Scale. Cor.	1.000

**Physio**

1st Signal/Mode	None
Trigger delay	0 ms
Magn. preparation	Non-sel. T2-IR
TI 1	1650 ms
Dark blood	Off
Resp. control	Off

**Inline**

Inline Composing	Off
Distortion correction	Off

**Sequence**

Introduction	On
Dimension	3D
Elliptical scanning	Off
Reordering	Linear
Bandwidth	849 Hz/Px
Flow comp.	No
Allowed delay	30 s
Echo spacing	3.42 ms
Adiabatic-mode	Off
Turbo factor	243
Echo train duration	828 ms
RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
Flip angle mode	T2 var
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7;NC1,2
Acquisition duration	0 ms
Organ under exam.	Standard
Tissue T1	940 ms
Tissue T2	100 ms



**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Save original images	On

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Human\Axial T2 STAR  
TA:4:11 PAT:Off Voxel size:0.9×0.9×4.0 mm Rel. SNR:1.00 :fl\_r

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	44
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	4.0 mm
TR	650.0 ms
TE	20.00 ms
Averages	1
Concatenations	2
Filter	Distortion Corr.(2D), Prescan Normalize, Elliptical filter
Coil elements	HC2,4,6,7;NC2

## Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	20 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	256
Phase resolution	75 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	On
TD	0 ms
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

## Geometry

Nr. of slice groups	1
Slices	44
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	R >> L
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Saturation mode	Standard
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

## System

Body	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
Position mode	L-P-H
Positioning mode	ISO
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm
Frequency 1H	123.250858 MHz
Correction factor	1
SRFExcit 1H	76.601 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

## Physio

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

## Inline

Inline Composing	Off
Distortion correction	Off

## Sequence

Introduction	On
Dimension	2D
Averaging mode	Long term
Multi-slice mode	Interleaved
Asymmetric echo	Off
Contrasts	1
Bandwidth	200 Hz/Px
Flow comp.	Slice/Read
Allowed delay	20 s
RF pulse type	Fast
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC2,4,6,7;NC2
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
Liver registration	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Contrasts	1
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Human\Axial 3D PASL  
(Eyes Open)

TA:5:24 Voxel size:1.9×1.9×4.5 mm Rel. SNR:1.00 :tgse

**Properties**

Prio Recon	Off
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
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	L0.8 P4.9 H31.0 mm
Orientation	Transversal
Phase enc. dir.	P >> A
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	240 mm
FoV phase	100.0 %
Slice thickness	4.50 mm
TR	4000 ms
TE	20.3 ms
Averages	1
Concatenations	1
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	HC1-7;NC1,2

## Contrast

Flip angle	180 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	10
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off
Perfusion mode	FAIR QII
Bolus Duration	800 ms
Inversion Array Size	1
Averaging mode	CONSTANT
Suppression Mode	GRAY-WHITE

## Resolution

Base resolution	64
Phase resolution	97 %
Phase partial Fourier	Off
Interpolation	On
Distortion Corr.	On
Hamming	Off
Mode	2D
Prescan Normalize	On
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Slice partial Fourier	Off

## Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	L0.8 P4.9 H31.0 mm
Phase enc. dir.	P >> A
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	32
Multi-slice mode	Interleaved
Series	Ascending
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off



## System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	On
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.8 P4.9 H31.0 mm
Rotation	180.00 deg
R >> L	240 mm
A >> P	240 mm
F >> H	144 mm

Frequency 1H	123.250858 MHz
Correction factor	1
ExtRefocRF 1H	570.643 V
Gain	Low
Table position	0 mm
Img. Scale. Cor.	1.000

**Physio**

1st Signal/Mode	None
Segments	4

**Inline**

Inline Composing	Off
Distortion correction	Off

**Sequence**

Introduction	Off
Dimension	3D
Averaging mode	Long term
Multi-slice mode	Interleaved
Reordering	Centric
Bandwidth	2442 Hz/Px
Echo spacing	0.49 ms
Turbo factor	16
EPI factor	31
RF pulse type	Normal
Gradient mode	Performance
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7;NC1,2
Acquisition duration	0 ms

**BOLD**

Delay in TR	0 ms
Distortion Corr.	On
Mode	2D

**SIEMENS MAGNETOM Prisma syngo MR D13D**

<p>\\USER\ADNI3 Basic Prisma_20161213\ADNI3 Basic\ADNI3 Human\Axial DTI  TA:6:58 PAT:2 Voxel size:2.0x2.0x2.0 mm Rel. SNR:1.00 :epse</p>
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## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	80
Dist. factor	0 %
Position	L1.4 P3.4 F0.2 mm
Orientation	Transversal
Phase enc. dir.	P >> A
AutoAlign	---
Phase oversampling	0 %
FoV read	232 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	7200 ms
TE	56.0 ms
Averages	1
Concatenations	1
Filter	Raw filter, Prescan Normalize
Coil elements	HC1-7;NC1,2

## Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	Fat sat.
Fat sat. mode	Strong
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	116
Phase resolution	100 %
Phase partial Fourier	7/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	40
Reference scan mode	Separate
Distortion Corr.	Off
Prescan Normalize	On
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off
Dynamic Field Corr.	Off

## Geometry

Nr. of slice groups	1
Slices	80
Dist. factor	0 %
Position	L1.4 P3.4 H25.8 mm
Phase enc. dir.	P >> A
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Fat sat. mode	Strong
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

## System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	On
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	ISO
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L1.4 P3.4 H25.8 mm
Rotation	180.00 deg
R >> L	232 mm
A >> P	232 mm
F >> H	160 mm

Frequency 1H	123.250858 MHz
Correction factor	1
AddCSaCSatNS 1H	69.269 V
Gain	High
Table position	26 mm
Img. Scale. Cor.	4.000

**Physio**

1st Signal/Mode	None
Magn. preparation	None
Resp. control	Off

**Inline**

Inline Composing	Off
Distortion correction	Off

**Sequence**

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	2268 Hz/Px
Optimization	Min. TE
Free echo spacing	On
Echo spacing	0.58 ms
EPI factor	116
RF pulse type	Normal
Gradient mode	Performance*
Excitation	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7;NC1,2
Acquisition duration	0 ms

**BOLD**

Delay in TR	0 ms
Diffusion mode	Free
Diff. weightings	2
b-value 1	0 s/mm <sup>2</sup>
Diff. weighted images	On
Trace weighted images	Off
ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Distortion Corr.	Off
b-Value >=	0 s/mm <sup>2</sup>
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Human\Field Mapping  
TA:1:32 Voxel size:3.0×3.0×3.0 mm Rel. SNR:1.00 :fm\_r

**Properties**

Prio Recon	Off
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
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	54
Dist. factor	25 %
Position	L1.4 P3.4 F0.2 mm
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	232 mm
FoV phase	100.0 %
Slice thickness	3.0 mm
TR	571.0 ms
TE 1	4.92 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HC1-7;NC1,2

## Contrast

MTC	Off
Flip angle	60 deg
Fat suppr.	None
Averaging mode	Long term
Measurements	1
Reconstruction	Magn./Phase
Multiple series	Off

## Resolution

Base resolution	78
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off



## Geometry

Nr. of slice groups	1
Slices	54
Dist. factor	25 %
Position	L1.4 P3.4 H25.8 mm
Phase enc. dir.	R >> L
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Special sat.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

## System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	On
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L1.4 P3.4 H25.8 mm
Rotation	90.00 deg
A >> P	232 mm
R >> L	232 mm

F >> H	202 mm
Frequency 1H	123.250858 MHz
Correction factor	1
01GreFCE 1H	133.663 V
Gain	High
Table position	26 mm
Img. Scale. Cor.	1.000

**Physio****Inline**

Inline Composing	Off
Distortion correction	Off

**Sequence**

Introduction	On
Dimension	2D
Averaging mode	Long term
Multi-slice mode	Interleaved
Asymmetric echo	Off
Contrasts	2
Bandwidth	301 Hz/Px
Flow comp.	Yes
RF pulse type	Normal
Gradient mode	Fast
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7;NC1,2
Acquisition duration	0 ms
Mode	Off

**BOLD**

Distortion Corr.	Off
Contrasts	2

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Human\Axial rsfMRI (Eyes  
Open)

TA:10:00 PAT:2 Voxel size:3.4×3.4×3.4 mm Rel. SNR:1.00 :epfid

## Properties

Prio Recon	Off
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
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	48
Dist. factor	0 %
Position	R0.2 P4.2 H25.1 mm
Orientation	Transversal
Phase enc. dir.	P >> A
AutoAlign	---
Phase oversampling	0 %
FoV read	220 mm
FoV phase	100.0 %
Slice thickness	3.4 mm
TR	3000 ms
TE	30.0 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	HC1-7;NC1,2

## Contrast

MTC	Off
Flip angle	90 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	197
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	24
Reference scan mode	Separate
Distortion Corr.	Off
Hamming	Off
Prescan Normalize	Off
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	48
Dist. factor	0 %
Position	R0.2 P4.2 H25.1 mm
Phase enc. dir.	P >> A
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

## System

Body	Off
HC1	On
HC3	On
HC5	On
NC1	On
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Sum of Squares
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	R0.2 P4.2 H25.1 mm
Rotation	180.00 deg
R >> L	220 mm
A >> P	220 mm
F >> H	164 mm

Frequency 1H	123.250858 MHz
Correction factor	1
SincRFPulse 1H	285.322 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

**Physio**

1st Signal/Mode	None
-----------------	------

**Inline**

Inline Composing	Off
Distortion correction	Off

**Sequence**

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1562 Hz/Px
Free echo spacing	Off
Echo spacing	0.72 ms
EPI factor	64
RF pulse type	Normal
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC1-7;NC1,2
Acquisition duration	0 ms

**BOLD**

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	Off
Temp. highpass filter	Off
Threshold	4.00
Paradigm size	24
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3  
 Human\HighResHippocampus  
 TA:4:18 PAT:2 Voxel size:0.4x0.4x2.0 mm Rel. SNR:1.00 :tse

### Properties

Prio Recon	Off
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
Wait for user to start	Off
Start measurements	single

### Routine

Nr. of slice groups	1
Slices	30
Dist. factor	0 %
Position	L0.0 A20.0 F20.0 mm
Orientation	C > T-25.0
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	100 %
FoV read	175 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	8020.0 ms
TE	50.0 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize, Elliptical filter
Coil elements	HC2,4,6,7;NC2



## Contrast

MTC	Off
Magn. preparation	None
Flip angle	122 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	448
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	34
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	On
Mode	Inplane

## Geometry

Nr. of slice groups	1
Slices	30
Dist. factor	0 %
Position	L0.0 A20.0 F20.0 mm
Phase enc. dir.	R >> L
Phase oversampling	100 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off
Restore magn.	Off

## System

Body	Off
HC2	On
HC4	On
HC6	On
HC7	On
NC2	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	L0.0 A20.0 F20.0 mm
Rotation	0.00 deg
F >> H	175 mm
R >> L	175 mm
A >> P	60 mm
Frequency 1H	123.250858 MHz
Correction factor	1
VExcit 1H	297.961 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None
Dark blood	Off
Trajectory	Cartesian
Resp. control	Off

## Inline

Inline Composing	Off
Distortion correction	Off

## Sequence

Introduction	On
Dimension	2D
Compensate T2 decay	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Reduce Motion Sens.	Off
Contrasts	1
Bandwidth	100 Hz/Px
Flow comp.	No
Allowed delay	180 s
Echo spacing	16.5 ms
Define	Turbo factor
Turbo factor	15
Echo trains per slice	31
RF pulse type	Fast
Gradient mode	Normal
Hyperecho	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HC2,4,6,7;NC2
Acquisition duration	0 ms
Mode	Min flip angle
Min flip angle	130 deg

**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Contrasts	1
Save original images	On

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Phantom\3 Plane Localizer  
TA:0:12 PAT:Off Voxel size:1.5×1.5×8.0 mm Rel. SNR:1.00 :fl

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	3
Slices	1
Dist. factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	280 mm
FoV phase	100.0 %
Slice thickness	8.0 mm
TR	20.0 ms
TE	5.00 ms
Averages	1
Concatenations	3
Filter	Raw filter, Distortion Corr.(2D), Prescan Normalize
Coil elements	HE1-4

## Contrast

TD	0 ms
MTC	Off
Magn. preparation	None
Flip angle	40 deg
Fat suppr.	None
Water suppr.	None
SWI	Off
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Image Filter	Off
Distortion Corr.	On
TD	0 ms
Mode	2D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	On
Intensity	Weak
Slope	25
Elliptical filter	Off

## Geometry

Nr. of slice groups	3
Slices	1
Dist. factor	20 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Sequential
Series	Ascending
Saturation mode	Standard
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

## System

Body	Off
HE1	On
HE3	On
NE1	Off
HE2	On
HE4	On
NE2	Off
Position mode	L-P-H
Positioning mode	ISO
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	Default
B0 Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm
Frequency 1H	123.250858 MHz
Correction factor	1
SRFExcit 1H	89.108 V
Gain	High
Table position	0 mm
Img. Scale. Cor.	1.000



## Physio

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

## Inline

Inline Composing	Off
Distortion correction	Off

## Sequence

Introduction	Off
Dimension	2D
Averaging mode	Short term
Multi-slice mode	Sequential
Asymmetric echo	Off
Contrasts	1
Bandwidth	180 Hz/Px
Flow comp.	No
Allowed delay	0 s
RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HE1-4
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
Liver registration	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	2D
Unfiltered images	Off
Contrasts	1
Save original images	On
Wash - In	Off
Wash - Out	Off
TTP	Off
PEI	Off
MIP - time	Off

**SIEMENS MAGNETOM Prisma syngo MR D13D**

\\USER\ADNI3 Basic Prisma\_20161213\ADNI3 Basic\ADNI3 Phantom\QC Phantom  
MPRAGE

TA:5:12 PAT:2 Voxel size:1.1×1.1×1.3 mm Rel. SNR:1.00 :tfl

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	270 mm
FoV phase	93.8 %
Slice thickness	1.30 mm
TR	2300.0 ms
TE	2.95 ms
Averages	1
Concatenations	1
Filter	Distortion Corr.(3D), Prescan Normalize
Coil elements	HE1-4;NE1,2

## Contrast

Magn. preparation	Non-sel. IR
TI	900 ms
Flip angle	9 deg
Fat suppr.	None
Water suppr.	None
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	256
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	On
Accel. factor 3D	1
Mode	3D
Unfiltered images	Off
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	Off

## Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	176
Multi-slice mode	Single shot
Series	Ascending
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Water suppr.	None
Special sat.	None
Set-n-Go Protocol	Off
Table position	P
Inline Composing	Off

## System

Body	Off
HE1	On
HE3	On
NE1	On
HE2	On
HE4	On
NE2	On
SP5	Off
SP6	Off
SP7	Off
SP8	Off
SP1	Off
SP2	Off
SP3	Off
SP4	Off
Position mode	L-P-H
Positioning mode	ISO
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect
B0 Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
F >> H	270 mm
A >> P	254 mm
R >> L	229 mm
Frequency 1H	123.250858 MHz
Correction factor	1

SLoopIRns1 1H	420.980 V
Gain	Low
Table position	0 mm
Img. Scale. Cor.	1.000

#### Physio

1st Signal/Mode	None
Magn. preparation	Non-sel. IR
TI	900 ms
Dark blood	Off
Resp. control	Off

#### Inline

Inline Composing	Off
Distortion correction	Off

#### Sequence

Introduction	On
Dimension	3D
Elliptical scanning	Off
Averaging mode	Long term
Multi-slice mode	Single shot
Reordering	Linear
Asymmetric echo	Off
Bandwidth	240 Hz/Px
Flow comp.	No
Echo spacing	7 ms
Turbo factor	176
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HE1-4;NE1,2
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	On
Mode	3D
Unfiltered images	Off
Save original images	On

### SIEMENS MAGNETOM Prisma syngo MR D13D

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```

\\USER
  | ADNI3 Basic Prisma_20161213
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  |   |   |   | Sagittal 3D FLAIR
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