

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Slice group 1

FoV read 208 mm

Slices 72

FoV phase 100.0 %

Dist. factor 0 %

Slice thickness 2.00 mm

Position L0.0 P3.0 H6.0

TR 800 ms

Orientation T > C-20.0

TE 37.00 ms

Phase enc. dir. A >> P

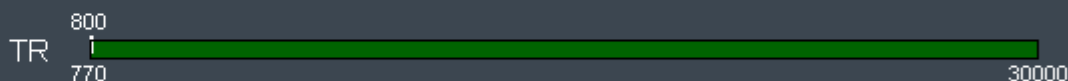
AutoAlign Head > Brain

Phase oversampling 0 %

Multi-band accel. factor 8

Filter None

Coil elements HEA,HEP



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Common

Dynamic

TR 800 ms

Fat suppr. Fat sat.

TE 37.00 ms

MTC ☐

Magn. preparation None

Flip angle 52 deg

TR 800
770 30000

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Common**Dynamic**Averaging mode Long termMeasurements 420Delay in TR 0 msReconstruction MagnitudeMultiple series Off

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

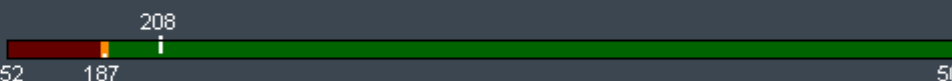
Cancel

Virtual Coils...

Help

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Common**iPAT****Filter Image****Filter Rawdata**FoV read 208  mmFoV phase 100.0  %Slice thickness 2.00  mmBase resolution 104 Phase resolution 100  %Phase partial Fourier Off Interpolation ☐FoV read 
152 187 208 500**Routine****Contrast****Resolution****Geometry****System****Physio****BOLD****Sequence**

OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_PrismalrfMRI_REST_AP

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Common

iPAT

Filter Image

Filter Rawdata

PAT mode

None



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_PrismalrfMRI_REST_AP

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Common

iPAT

Filter Image

Filter Rawdata

Prescan Normalize



Distortion Corr.



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Common**iPAT****Filter Image****Filter Rawdata**

Raw filter



Elliptical filter



Hamming

**Routine****Contrast****Resolution****Geometry****System****Physio****BOLD****Sequence**

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Common

Saturation

Slice group 1 ▾ + -

Slices 72 ▾

Dist. factor 0 ▾ %

Position L0.0 P3.0 H6.0 ▾ ...

Orientation T > C-20.0 ▾ ...

Phase enc. dir. A >> P ▾ ...

Phase oversampling 0 ▾ %

FoV read 208 ▾ mm

FoV phase 100.0 ▾ %

Slice thickness 2.00 ▾ mm

TR 800 ▾ ms

Multi-slice mode Interleaved ▾

Series Interleaved ▾

Multi-band accel. factor 8 ▾



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Common**Saturation**

Fat suppr. Fat sat.



Sat. region



Special sat. None



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx



HEA

HEP

Body

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

Coil Combine Mode **Sum of Squares**Positioning mode **REF**Table position **H** **0** mmMatrix Optimization **Off**Coil Focus **Flat****Image Numbering**MSMA **S - C - T**Sagittal **R >> L**Coronal **A >> P**Transversal **F >> H**AutoAlign **Head > Brain**Coil Select Mode **Off - All**

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Coils**Miscellaneous****Adjustments****Adjust Volume****pTx Volumes****Tx/Rx**B0 Shim mode **Standard** ▼B1 Shim mode **TrueForm** ▼Adjustment Tolerance **Auto** ▼Adjust with body coil ☐Confirm freq. adjustment ☐Assume Dominant Fat ☐Assume Silicone ☐

Tx Ref [Nucleus] Ref.

? Ref. amplitude 1H	0.000

Reset**Routine****Contrast****Resolution****Geometry****System****Physio****BOLD****Sequence****OK****Cancel****Virtual Coils...****Help**

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Coils**Miscellaneous****Adjustments****Adjust Volume**

pTx Volumes

Tx/Rx

Position L0.0 P3.0 H6.0



Orientation T > C-20.0



Rotation 0.00 deg

R >> L 208 mm

A >> P 208 mm

F >> H 144 mm

Reset

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_PrismalrfMRI_REST_AP

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

B1 Shim mode

TrueForm



pTx Volume



+

-

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

Transmitter

Receiver

Frequency 1H 123.257936 MHz

Gain High

? Ref. amplitude 1H 0.000 V

Correction factor 1

Img. Scale. Cor. 1.000

Puls Amplitude V

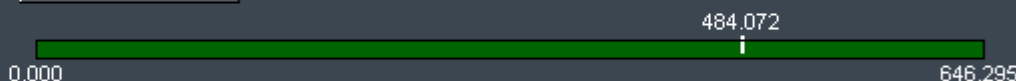
MBExc 1H	484.072
SincExcRF 1H	60.529
SLoopFCSatNS 1H	65.572

Make sure that "MBExc 1H" is not maxed out, otherwise you will get clipping of your RF pulses (although, as of the R013 release, a warning message should be generated at run time if this is the case).

Power issues are controlled by the values/settings of "Excite pulse duration" and "MB RF phase scramble" on the Sequence:Special tab.

Reset

MBExc 1H



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Signal1

1st Signal/Mode

None

TR 800 ms

Multi-band accel. factor

8

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

GLM Statistics



Motion correction



Dynamic t-maps



Ignore meas. at start

Spatial filter



Ignore after transition

Model transition states



Temp. highpass filter



Measurements

420



Threshold

Delay in TR

ms

Paradigm size

Multiple series

Meas[1]

Baseline



Meas[2]

Baseline



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Part 1**Part 2****Special**

Introduction



Contrasts

1

Bandwidth

2290

Hz/Px

Flow comp.

No

Averaging mode

Long term

Multi-slice mode

Interleaved

Free echo spacing

Echo spacing

0.58

ms

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Part 1

Part 2

Special

Gradient mode

Performance



RF spoiling



EPI factor

104



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Part 1

Part 2

Special

Excite pulse duration

6600

us

Single-band images



Use toggle to reveal other parameters.

Online multi-band recon.

Online



FFT scale factor

1.00

Triggering scheme

Standard

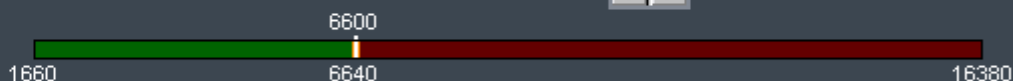


Starting ignore meas

0



Excite pulse duration



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help


Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Part 1

Part 2

Special

Excite pulse duration 8800  usMB LeakBlock kernel Online multi-band recon. Online FFT scale factor 1.00 Triggering scheme Standard 

Starting ignore meas

0 

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Part 1

Part 2

Special

Excite pulse duration

8600



us

MB RF phase scramble



Online multi-band recon.

Online



FFT scale factor

1.00



Triggering scheme

Standard



Starting ignore meas

0



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Part 1

Part 2

Special

Excite pulse duration

8600



us

SENSE1 coil combine



Online multi-band recon.

Online



FFT scale factor

1.00



Triggering scheme

Standard



Starting ignore meas

0



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epfid

Part 1

Part 2

SpecialExcite pulse duration 8600  usLog physiology to file ☐Online multi-band recon. Online FFT scale factor 1.00 Triggering scheme Standard 

Starting ignore meas

0 

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 5:46

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epfid

Part 1

Part 2

Special

Excite pulse duration

8600



us

Invert RO/PE polarity



Online multi-band recon.

Online



FFT scale factor

1.00



Triggering scheme

Standard



Starting ignore meas

0



N.B. Checking "Invert RO/PE polarity" is the mechanism we use to obtain a matched scan with opposite phase encoding polarity (while leaving "Phase enc. dir." on the Routine tab set to "A >> P").

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help