

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	-1	Imaging Options	Seq, EDR, Fast, SS, ARC
Plane	3-PLANE	n/a	12
Series Description	ABIT1_localizer1	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	30.0
TE	Minimum	Slice Thickness	10.0
Number of Echoes	1	Slice Spacing	5.0
TR	Minimum	Number of Slices	7
Receiver Bandwidth	83.33	Center Location 1	0.0
<b>IMAGE ENHANCE</b>		Center Location 2	A15.0
Filter Choice	None	Center Location 3	0.0
<b>GATING/TRIGGER</b>		Slice for 3 Plane Localizaion	0
Heart Beat per Minute Mode	0	Slice for 3 Plane Localizaion	1
Auto Trigger Type	Off	Slice for 3 Plane Localizaion	3
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	3
<b>FMRI</b>		Space per Plane 1	5.0
PSD Trigger	Internal	Space per Plane 2	5.0
Slice Order	Interleaved	Table Delta	0.00
View Order	Bottom/Up	<b>ACQ TIMING</b>	
# of Repetitions REST	0	Freq	256
# of Repetitions ACTIVE	0	Phase	128
<b>SAT</b>		Freq DIR	Unswap
Tag Type	None	# of Acq. Before Pause	0
<b>TRICKS</b>		Phase FOV	1.00
Pause On/Off	On	Auto Shim	Auto
Auto Subtract	0	Phase Correction	No
Auto SCIC	Off	<b>USER CVS</b>	
		User CV2	240.00
		User CV13	1.00
		In-range AutoTR Control	0
		User CV Mask	57414
		<b>MULTI-PHASE</b>	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_localizer1

ABIT1\_localizer1

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	-1	Imaging Options	Seq, EDR, Fast, SS, ARC
Plane	3-PLANE	n/a	12
Series Description	ABIT1_localizer2	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	24.0
TE	Minimum	Slice Thickness	5.0
Number of Echoes	1	Slice Spacing	1.0
TR	Minimum	GRXOPT	2
Receiver Bandwidth	83.33	Number of Slices	3
<b>IMAGE ENHANCE</b>		Center Location 1	R1.8
Filter Choice	None	Center Location 2	A30.7
<b>GATING/TRIGGER</b>		Center Location 3	S5.6
Heart Beat per Minute Mode	0	Slice for 3 Plane Localizaion	0
Auto Trigger Type	Off	Slice for 3 Plane Localizaion	1
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	1
<b>FMRI</b>		Slice for 3 Plane Localizaion	1
PSD Trigger	Internal	Space per Plane 1	1.0
Slice Order	Interleaved	Space per Plane 2	1.0
View Order	Bottom/Up	Table Delta	0.00
# of Repetitions REST	0	<b>ACQ TIMING</b>	
# of Repetitions ACTIVE	0	Freq	256
<b>SAT</b>		Phase	128
Tag Type	None	Freq DIR	Unswap
<b>TRICKS</b>		# of Acq. Before Pause	0
Pause On/Off	On	Phase FOV	1.00
Auto Subtract	0	Auto Shim	Auto
Auto SCIC	Off	Phase Correction	No
		<b>USER CVS</b>	
		User CV2	240.00
		User CV13	1.00
		In-range AutoTR Control	0
		User CV Mask	57414
		<b>MULTI-PHASE</b>	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_localizer2

ABIT1\_localizer2

<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EDR, Fast, ZIP2, Calib
Plane	AXIAL	n/a	6
Series Description	ABIT1_calibration	<b>SCAN RANGE</b>	
<b>SCAN TIMING</b>		FOV	30.0
Number of Echoes	1	Slice Thickness	13.0
<b>IMAGE ENHANCE</b>		GRXOPT	0
Filter Choice	None	Start Location 1	I198.0
<b>GATING/TRIGGER</b>		End Location 1	S205.0
Heart Beat per Minute Mode	0	End Location 2	L0.6
Auto Trigger Type	Off	End Location 3	A15.0
Auto Trigger Window	Off	Center of Location Start	L0.6
<b>FMRI</b>		Center of Location End	A15.0
PSD Trigger	Internal	Scan Locations	32
Slice Order	Interleaved	Number of Slices	1
View Order	Bottom/Up	Slice for 3 Plane Localizaion	0
# of Repetitions REST	0	Slice for 3 Plane Localizaion	0
# of Repetitions ACTIVE	0	Slice for 3 Plane Localizaion	0
<b>SAT</b>		Slice for 3 Plane Localizaion	0
Tag Type	None	Space per Plane 1	0.0
<b>TRICKS</b>		Space per Plane 2	0.0
Pause On/Off	On	Table Delta	0.00
Auto Subtract	0	<b>ACQ TIMING</b>	
Auto SCIC	Off	Freq DIR	R/L
		Auto Shim	Auto
		Phase Correction	No
		<b>USER CVS</b>	
		In-range AutoTR Control	0
		User CV Mask	8388672
		<b>MULTI-PHASE</b>	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		<b>DIFFUSION</b>	
		Recon All Images	On
		<b>CONTRAST</b>	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_calibration

ABIT1\_calibration

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	Fast, IrP, ZIP512, Asset
Plane	OBLIQUE	PSD Name	research/abit/t1iso/abit_fspgr
Series Description	ABIT1_T1iso_fspgr	n/a	6
SCAN TIMING		SCAN RANGE	
Flip Angle	12	FOV	25.6
TE	Min Full	Slice Thickness	1.0
Number of Echoes	1	Location per Slab	192
TI	450	Overlap Locations	0
Receiver Bandwidth	31.25	GRXOPT	0
IMAGE ENHANCE		Start Location 1	R96.5
Filter Choice	None	Start Location 2	A26.2
GATING/TRIGGER		Start Location 3	I21.0
Heart Beat per Minute Mode	0	End Location 1	L94.3
Auto Trigger Type	Off	End Location 2	A21.6
Auto Trigger Window	Off	End Location 3	I14.5
FMRI		Number of Slices	1
Initial State	Control	Slice for 3 Plane Localizaion	0
PSD Trigger	Internal	Slice for 3 Plane Localizaion	0
Slice Order	Interleaved	Slice for 3 Plane Localizaion	0
View Order	Bottom/Up	Space per Plane 1	0.0
# of Repetitions REST	0	Space per Plane 2	0.0
# of Repetitions ACTIVE	0	Table Delta	0.00
SAT		ACQ TIMING	
Tag Type	None	Freq	256
TRICKS		Phase	256
Pause On/Off	On	Freq DIR	S/I
Auto Subtract	0	NEX	1.00
Auto SCIC	2	Phase FOV	1.00
OTHERS		Auto Shim	Auto
Protocol Notes	T1 weighted 3D structure imaging. This is a modified sequence, which can set the Excitation Mode to "Non-selective" under "Oblique" mode, this PSD modified by Dr. Yajun Ma in 2015. Scan Plane: Oblique Excitation Mode: Non-selective.	Phase Correction	No
		USER CVS	
		User CV6	2.00
		User CV23	100.00
		In-range AutoTR Control	0
		User CV Mask	8388688
		MULTI-PHASE	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_T1iso\_fspgr

ABIT1\_T1iso\_fspgr

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, FMRI
Plane	OBLIQUE	n/a	9
Series Description	ABIT1_bold_bw_rest	SCAN RANGE	
SCAN TIMING		FOV	22.4
Flip Angle	90	Slice Thickness	3.5
TE	30.0	Slice Spacing	0.7
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.2
Number of Shots	1	Start Location 2	A29.9
IMAGE ENHANCE		Start Location 3	I71.0
Filter Choice	None	End Location 1	R3.5
GATING/TRIGGER		End Location 2	A21.2
Heart Beat per Minute Mode	0	End Location 3	S63.1
Auto Trigger Type	Off	Number of Slices	33
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	REST	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.14709520.2699.1399372018333395.65	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Interleaved	ACQ TIMING	
View Order	Bottom/Up	Freq	64
# of Repetitions REST	15	Phase	64
# of Repetitions ACTIVE	15	Freq DIR	R/L
# of Dummy Acquisition	0	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
Fat/Water Saturation	Fat	Phase Correction	Yes
TRICKS		USER CVS	
Pause On/Off	On	User CV0	1.00
Auto Subtract	0	In-range AutoTR Control	0
Auto SCIC	Off	User CV Mask	17
OTHERS		MULTI-PHASE	
Protocol Notes	BOLD fMRI imaging with BrainWave for Resting state, 240 scans.	Slice per Location	240
		Delay after Acquisition	0
		Seperate Series	0
		Delay after Acquisition without AV	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_bold\_bw\_rest

ABIT1\_bold\_bw\_rest

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	Cube T2
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EDR, Fast, ZIP512, FR, ARC
Plane	OBLIQUE	n/a	53
Series Description	ABIT1_T2iso_cube	SCAN RANGE	
SCAN TIMING		FOV	25.6
TE	Maximum	Slice Thickness	1.0
Number of Echoes	1	Location per Slab	196
TR	3200.0	Overlap Locations	0
Echo Train Length	220	GRXOPT	0
Receiver Bandwidth	83.33	Start Location 1	R96.0
IMAGE ENHANCE		Start Location 2	A35.4
Filter Choice	None	Start Location 3	I41.0
GATING/TRIGGER		End Location 1	L94.8
Auto Trigger Type	Off	End Location 2	A30.5
Auto Trigger Window	Off	End Location 3	I33.3
FMRI		Number of Slices	1
PSD Trigger	Internal	Slice for 3 Plane Localizaion	0
Slice Order	Interleaved	Slice for 3 Plane Localizaion	0
View Order	Bottom/Up	Slice for 3 Plane Localizaion	0
# of Repetitions REST	0	Slice for 3 Plane Localizaion	0
# of Repetitions ACTIVE	0	Space per Plane 1	0.0
SAT		Space per Plane 2	0.0
Tag Type	None	Table Delta	0.00
TRICKS		ACQ TIMING	
Pause On/Off	On	Freq	256
Auto Subtract	0	Phase	256
Auto SCIC	2	Freq DIR	S/I
OTHERS		NEX	2.00
Protocol Notes	T2 sequence for structure imaging. Scan Plane: Oblique Excitation Mode: Non-selective.	Phase FOV	1.00
		Auto Shim	Auto
		Phase Correction	No
		USER CVS	
		In-range AutoTR Control	0
		User CV Mask	4194304
		MULTI-PHASE	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_T2iso\_cube

ABIT1\_T2iso\_cube

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, FMRI
Plane	OBLIQUE	n/a	9
Series Description	ABIT1_bold_bw_rest2	SCAN RANGE	
SCAN TIMING		FOV	22.4
Flip Angle	90	Slice Thickness	3.5
TE	30.0	Slice Spacing	0.7
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.2
Number of Shots	1	Start Location 2	A29.9
IMAGE ENHANCE		Start Location 3	I71.0
Filter Choice	None	End Location 1	R3.5
GATING/TRIGGER		End Location 2	A21.2
Heart Beat per Minute Mode	0	End Location 3	S63.1
Auto Trigger Type	Off	Number of Slices	33
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	REST	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.14709520.2699.1399372018333395.65	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Interleaved	ACQ TIMING	
View Order	Bottom/Up	Freq	64
# of Repetitions REST	15	Phase	64
# of Repetitions ACTIVE	15	Freq DIR	R/L
# of Dummy Acquisition	0	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
Fat/Water Saturation	Fat	Phase Correction	Yes
TRICKS		USER CVS	
Pause On/Off	On	User CV0	1.00
Auto Subtract	0	In-range AutoTR Control	0
Auto SCIC	Off	User CV Mask	17
OTHERS		MULTI-PHASE	
Protocol Notes	BOLD fMRI imaging with BrainWave for Resting state, 240 scans.	Slice per Location	240
		Delay after Acquisition	0
		Seperate Series	0
		Delay after Acquisition without AV	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_bold\_bw\_rest2

ABIT1\_bold\_bw\_rest2

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, FMRI
Plane	OBLIQUE	n/a	9
Series Description	ABIT1_bold_bw_LLA	SCAN RANGE	
SCAN TIMING		FOV	22.4
Flip Angle	90	Slice Thickness	3.5
TE	30.0	Slice Spacing	0.7
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.2
Number of Shots	1	Start Location 2	A29.9
IMAGE ENHANCE		Start Location 3	I71.0
Filter Choice	None	End Location 1	R3.5
GATING/TRIGGER		End Location 2	A21.2
Heart Beat per Minute Mode	0	End Location 3	S63.1
Auto Trigger Type	Off	Number of Slices	33
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	REST	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.14709520.2699.1399372018333395.65	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Interleaved	ACQ TIMING	
View Order	Bottom/Up	Freq	64
# of Repetitions REST	15	Phase	64
# of Repetitions ACTIVE	15	Freq DIR	R/L
# of Dummy Acquisition	0	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
Fat/Water Saturation	Fat	Phase Correction	Yes
TRICKS		USER CVS	
Pause On/Off	On	User CV0	1.00
Auto Subtract	0	User CV Mask	17
Auto SCIC	Off	MULTI-PHASE	
OTHERS		Slice per Location	246
Protocol Notes	BOLD fMRI imaging with BrainWave for Resting state, 240 scans.	Delay after Acquisition	0
		Seperate Series	0
		Delay after Acquisition without AV	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_bold\_bw\_LLA

ABIT1\_bold\_bw\_LLA



PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, FMRI
Plane	OBLIQUE	n/a	9
Series Description	ABIT1_bold_bw_random	SCAN RANGE	
SCAN TIMING		FOV	22.4
Flip Angle	90	Slice Thickness	3.5
TE	30.0	Slice Spacing	0.7
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.2
Number of Shots	1	Start Location 2	A29.9
IMAGE ENHANCE		Start Location 3	I71.0
Filter Choice	None	End Location 1	R3.5
GATING/TRIGGER		End Location 2	A21.2
Heart Beat per Minute Mode	0	End Location 3	S63.1
Auto Trigger Type	Off	Number of Slices	33
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	REST	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.14709520.2699.1399372018333395.65	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Interleaved	ACQ TIMING	
View Order	Bottom/Up	Freq	64
# of Repetitions REST	15	Phase	64
# of Repetitions ACTIVE	15	Freq DIR	R/L
# of Dummy Acquisition	0	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
Fat/Water Saturation	Fat	Phase Correction	Yes
TRICKS		USER CVS	
Pause On/Off	On	User CV0	1.00
Auto Subtract	0	In-range AutoTR Control	0
Auto SCIC	Off	User CV Mask	17
OTHERS		MULTI-PHASE	
Protocol Notes	BOLD fMRI imaging with BrainWave for Resting state, 240 scans.	Slice per Location	236
		Delay after Acquisition	0
		Seperate Series	0
		Delay after Acquisition without AV	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_bold\_bw\_random

ABIT1\_bold\_bw\_random

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, FMRI
Plane	OBLIQUE	n/a	9
Series Description	ABIT1_bold_bw_normal	SCAN RANGE	
SCAN TIMING		FOV	22.4
Flip Angle	90	Slice Thickness	3.5
TE	30.0	Slice Spacing	0.7
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.2
Number of Shots	1	Start Location 2	A29.9
IMAGE ENHANCE		Start Location 3	I71.0
Filter Choice	None	End Location 1	R3.5
GATING/TRIGGER		End Location 2	A21.2
Heart Beat per Minute Mode	0	End Location 3	S63.1
Auto Trigger Type	Off	Number of Slices	33
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	REST	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.14709520.2699.1399372018333395.65	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Interleaved	ACQ TIMING	
View Order	Bottom/Up	Freq	64
# of Repetitions REST	15	Phase	64
# of Repetitions ACTIVE	15	Freq DIR	R/L
# of Dummy Acquisition	0	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
Fat/Water Saturation	Fat	Phase Correction	Yes
TRICKS		USER CVS	
Pause On/Off	On	User CV0	1.00
Auto Subtract	0	In-range AutoTR Control	0
Auto SCIC	Off	User CV Mask	17
OTHERS		MULTI-PHASE	
Protocol Notes	BOLD fMRI imaging with BrainWave for Resting state, 240 scans.	Slice per Location	236
		Delay after Acquisition	0
		Seperate Series	0
		Delay after Acquisition without AV	0
		Mask Phase	0
		Mask Pause	0
		DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

ABIT1\_bold\_bw\_normal

ABIT1\_bold\_bw\_normal

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	0	Imaging Options	EPI, DIFF, Asset
Plane	AXIAL	PSD Name	research/abit/dti/abit_epi2
Series Description	ABIT1_diff_hardi	n/a	8
SCAN TIMING		SCAN RANGE	
TE	81.4	FOV	22.4
Number of Echoes	1	Slice Thickness	2.0
TR	8142.0	Slice Spacing	0.0
Number of Shots	1	GRXOPT	0
IMAGE ENHANCE		Start Location 1	I77.3
Filter Choice	None	End Location 1	S60.7
GATING/TRIGGER		End Location 2	R1.6
Auto Trigger Type	Off	End Location 3	A42.4
Auto Trigger Window	Off	Center of Location Start	R1.6
FMRI		Center of Location End	A42.4
PSD Trigger	Internal	Number of Slices	70
Slice Order	Interleaved	Slice for 3 Plane Localizaion	0
View Order	Bottom/Up	Slice for 3 Plane Localizaion	0
# of Repetitions REST	0	Slice for 3 Plane Localizaion	0
# of Repetitions ACTIVE	0	Slice for 3 Plane Localizaion	0
SAT		Space per Plane 1	0.0
Tag Type	None	Space per Plane 2	0.0
Fat/Water Saturation	Fat	Table Delta	0.00
TRICKS		ACQ TIMING	
Pause On/Off	On	Freq	112
Auto Subtract	0	Phase	112
Auto SCIC	Off	Freq DIR	R/L
OTHERS		Phase FOV	1.00
Protocol Notes	Diffusion Tensor Imaging with 64 gradient directions and 10 b0 images. This is a modified sequence, where CV "imrsize" will be matched to matrix size.	Auto Shim	Auto
		Phase Correction	Yes
		USER CVS	
		User CV5	1.00
		User CV17	1.00
		In-range AutoTR Control	1
		TR Min	2000.0
		TR Max	17000.0
		User CV Mask	406048
		MULTI-PHASE	
		Seperate Series	0
		Mask Phase	0
		Mask Pause	0

ABIT1\_diff\_hardi

ABIT1\_diff\_hardi

Protocol: adult\_other\_MBS3\_new1\_20170118155734965\_1

**DIFFUSION**

Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	64
Number of T2 Images	10
Dual Spin Echo	On
Diffusion Tensor Processing Output	No Selection
Recon All Images	Off

**CONTRAST**

Contrast Yes/No	No
Contrast Amount	Yes