

Scan Protocol

mBIRN 1^[1]

Property	Value
Institute Name	MRIRC, the University of Chicago
Scanner Type	Philips Achieva dStream
Software Version	R5.1.7
Coil	dS 32Ch and/or dS 15Ch head coil
Scan Time	6 min 40 s
Total Number of Images	5400
Total Temporal Phases	200
Total Slices	27
Slice Thickness	4 mm
Slice gap	1 mm
Field of View	220 mm
TR	2000 ms
TE	30 ms
Flip Angle	90 degree
NEX	1
Per Pixel BW	3379.3 Hz
Phase Encoding Dir	AP
Scan resolution (x, y)	(64, 63)
Reconstruction (x, y)	(64, 64)
SENSE	1(no parallel imaging applied)
ZShim	No

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(All parameters are the same as those in sequence mBRIN 1, except the following parameters)

Property	Value
Total Slices	32 (27 + 5 ZShim slices)
Per Pixel BW	3037.7 Hz
Scan resolution (x, y)	(64, 62)
SENSE	2
ZShim	Yes(5 compensation slices, compensation factor 0.7)

Reference

1. Friedman L, Glover GH. Report on a multicenter fMRI quality assurance protocol. J Magn Reson Imaging 2006;23:827–839.