Siemen's 3.0T Typical Sequence Parameters
Including Anatomy, BOLD epi, swi (Susceptibility Weighted Imaging) and ASL (Arterial Spin Labeling)

<table>
<thead>
<tr>
<th>Pulse Sequence</th>
<th>TR</th>
<th>TE</th>
<th>Flip</th>
<th>Slice/Voxel Size</th>
<th>Slices</th>
<th>FOV</th>
<th>BW</th>
<th>Base Resolution</th>
<th>Scan Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sag/Cor T1 Loc</td>
<td>250ms</td>
<td>2.50ms</td>
<td>90°</td>
<td>4mm</td>
<td>15</td>
<td>256mm</td>
<td>320Hz/Px</td>
<td>128</td>
<td>0:19</td>
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<tr>
<td>Axial AC-PC</td>
<td>250ms</td>
<td>2.46ms</td>
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<td>3mm</td>
<td>1</td>
<td>256mm</td>
<td>320Hz/Px</td>
<td>128</td>
<td>0:23</td>
</tr>
<tr>
<td>In-Planes</td>
<td>2000ms</td>
<td>34ms</td>
<td>90°</td>
<td>3mm/2x2x3mm</td>
<td>28</td>
<td>256mm</td>
<td>1698Hz/Px</td>
<td>128</td>
<td>0:09</td>
</tr>
<tr>
<td>Axial MP-RAGE</td>
<td>2300ms</td>
<td>3.43ms</td>
<td>9°</td>
<td>1mm/1x1x1mm</td>
<td>176</td>
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<td>240Hz/Px</td>
<td>256</td>
<td>4:06</td>
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<tr>
<td>Sagittal ADNI MP-RAGE</td>
<td>2300ms</td>
<td>2.98ms</td>
<td>9°</td>
<td>1.2mm/1x1x1.2mm</td>
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<td>256mm</td>
<td>240Hz/Px</td>
<td>256</td>
<td>9:14</td>
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<tr>
<td>Axial TSE PD/T2 -High Res</td>
<td>3000ms</td>
<td>1.1ms</td>
<td>150°</td>
<td>3mm/1x1x3mm</td>
<td>48</td>
<td>256mm</td>
<td>186Hz/Px</td>
<td>256</td>
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<tr>
<td>Axial FLAIR</td>
<td>9160ms</td>
<td>89ms</td>
<td>150°</td>
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<td>256mm</td>
<td>201Hz/Px</td>
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<tr>
<td>dti – 6 directions</td>
<td>4800ms</td>
<td>96ms</td>
<td>3.2mm/2x2x3.2mm</td>
<td>36</td>
<td>256mm</td>
<td>1628Hz/Px</td>
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<td>1:22</td>
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<tr>
<td>dti – 12 directions</td>
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<td>4:53</td>
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<tr>
<td>Field Map</td>
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<td>2D epi BOLD</td>
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<td>260Hz/Px</td>
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<td>230mm</td>
<td>120Hz/Px</td>
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<tr>
<td>ASL</td>
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<td>21</td>
<td>240mm</td>
<td>2790Hz/Px</td>
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<td>5:28</td>
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<tr>
<td>ASL map</td>
<td>8000ms</td>
<td>18ms</td>
<td>90°</td>
<td>5mm/3.8x3.8x5mm</td>
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<td>240mm</td>
<td>2790Hz/Px</td>
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<tr>
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<td>18ms</td>
<td>90°</td>
<td>6mm/3.8x3.8x6mm</td>
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<td>240mm</td>
<td>2790Hz/Px</td>
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<td>PRN*</td>
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<tr>
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<td>800ms</td>
<td>18ms</td>
<td>90°</td>
<td>6mm/3.8x3.8x6mm</td>
<td>20</td>
<td>240mm</td>
<td>2790Hz/Px</td>
<td>64</td>
<td>PRN*</td>
</tr>
</tbody>
</table>

Abbreviations: Sag-sagittal; Cor-coronal; Loc-localizer; dti-diffusion tensor imaging; TR-repetition time; TE-echo time; FOV-field of view; BW-bandwidth

* depends on number of measurements
Sagittal ADNI MP-RAGE

Axial FLAIR

Axial SWI High Res

Axial TSE T2 High Res

Axial TSE PD

Axial dti 12 directions