mBIRN1/32Ch Head Coil

![MRI data analysis screenshot showing various graphs and metrics including RMS stability, noise spectrum, and slice by slice variance.](image)

- **Weslsoff Plot**: Shows the relationship between image number and slice by slice variance.
- **RMS Stability Graph**: Displays the stability of the signal over time.
- **Noise Spectrum**: Illustrates the noise profile across different frequencies.
- **SNR Image**: Visual representation of signal-to-noise ratio.
- **Static Spatial Noise**: Graph depicting noise distribution across the image.

### Metrics Table

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max ROI width [pixel]</td>
<td>30</td>
</tr>
<tr>
<td>Relative STD single pixel [%]</td>
<td>0.2736</td>
</tr>
<tr>
<td>Relative STD largest ROI [%]</td>
<td>0.1199</td>
</tr>
<tr>
<td>RDC [pixel]</td>
<td>2.2611</td>
</tr>
<tr>
<td>DIR [%]</td>
<td>-1.6327</td>
</tr>
<tr>
<td>Qnoise [%]</td>
<td>0.0637</td>
</tr>
<tr>
<td>SNR summary value</td>
<td>400.3</td>
</tr>
<tr>
<td>SFNR summary value</td>
<td>388.5</td>
</tr>
</tbody>
</table>

**Note:** The metrics are specific to the mBIRN1/32Ch Head Coil used on the Philips Achieva dStream 3T MRI Scanner.
mBIRN2/32Ch Head Coil

Slice by slice variance

Image number
MRIRC Philips Achieva dStream 3T MRI Scanner Longitudinal QA report

SFNR vs. days (2017-2019)

SNR vs. days (2017-2019)

Drift(%) vs. days (2017-2019)