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HST.583 Functional Magnetic Resonance Imaging: Data Acquisition and Analysis
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Table 1 - Human Data - Gray Matter

| Resolution | Signal | Thermal Noise | Time-Series Noise | Spatial SNR | Temporal SNR |
|-------------------|---------------|----------------------|--------------------------|--------------------|---------------------|
| 1.5x1.5x1.5 | 1096.2 | 32.6 | 63.2 | 22.0 | |
| 3x3x3 | 1071.6 | 10.3 | 21.3 | 68.1 | |
| 5x5x5 | 858.0 | 2.9 | 9.6 | 193.8 | |

Table 2 - Phantom Data

| Resolution | Signal | Thermal Noise | Time-Series Noise | Spatial SNR | Temporal SNR |
|-------------------|---------------|----------------------|--------------------------|--------------------|---------------------|
| 1.5x1.5x1.5 | 2914.5 | 23.1 | 43.8 | | |
| 3x3x3 | 2879.5 | 9.4 | 13.9 | | |
| 5x5x5 | 2827.3 | 1.8 | 4.6 | | |

Table 3 - Human Data - White Matter

| Resolution | Signal | Thermal Noise | Time-Series Noise | Spatial SNR | Temporal SNR |
|-------------------|---------------|----------------------|--------------------------|--------------------|---------------------|
| 1.5x1.5x1.5 | 810.6 | 35.1 | 59.9 | | |
| 3x3x3 | 907.2 | 10.0 | 20.7 | | |
| 5x5x5 | 925.6 | 3.0 | 6.3 | | |

Table 4 - Human Data - CSF

| Resolution | Signal | Thermal Noise | Time-Series Noise | Spatial SNR | Temporal SNR |
|-------------------|---------------|----------------------|--------------------------|--------------------|---------------------|
| 1.5x1.5x1.5 | 1561.8 | 32.5 | 177.3 | | |
| 3x3x3 | 1261.8 | 10.0 | 48.2 | | |
| 5x5x5 | 1084.4 | 3.2 | 11.8 | | |