## Indoor Background Measurements - Switzler Hall Basement

| Location | Distance | NaI Static (cpm) | Bicron Instantaneous Measurements (µRem/hr) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | STDEV | Max | Mean |
| 1 | 1 m | 7,178 | 7 | 8 | 7 | 6 | 6 | 7 | 8 | 7 | 6 | 8 | 0.8 | 8 | 7 |
| 2 | 1 m | 6,358 | 5 | 5 | 5 | 6 | 6 | 5 | 6 | 5 | 7 | 7 | 0.8 | 7 | 5.7 |
| 3 | 1 m | 6,440 | 6 | 6 | 7 | 6 | 7 | 6 | 5 | 6 | 5 | 6 | 0.7 | 7 | 6 |
| 4 | 1 m | 7,504 | 6 | 6 | 6 | 7 | 8 | 8 | 9 | 8 | 8 | 7 | 1.1 | 9 | 7.3 |
| 5 | 1 m | 6,981 | 6 | 6 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 6 | 0.6 | 7 | 5.8 |
| 6 | 1 m | 6,078 | 6 | 7 | 8 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 0.6 | 8 | 6.8 |
| 7 | 1 m | 6,752 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 8 | 0.7 | 8 | 6.7 |
| 8 | 1 m | 6,386 | 5 | 5 | 6 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 1.2 | 8 | 6.8 |
| 9 | 1 m | 6,716 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 10 | 10 | 9 | 1.3 | 10 | 8 |
| 10 | 1 m | 6,950 | 7 | 6 | 8 | 8 | 7 | 7 | 6 | 7 | 6 | 6 | 0.8 | 8 | 6.8 |
| | | | | | | | | | | | | | **Mean** | **8.0** | **6.7** |

| | |
|---|---|
| **STDEV** | **432** |
| **Max** | **7,504** |
| **Mean** | **6,734** |
| **CV** | **6%** |

## Outdoor Background Measurements Quadrangle Near Switzler Hall

| Location | Distance | NaI Static (cpm) |
|---|---|---|
| 1 | 10 cm | 7,095 |
| 2 | 10 cm | 7,110 |
| 3 | 10 cm | 7,098 |
| 4 | 10 cm | 6,856 |
| 5 | 10 cm | 6,449 |
| 6 | 10 cm | 6,013 |
| 7 | 10 cm | 6,234 |
| 8 | 10 cm | 6,292 |
| 9 | 10 cm | 6,842 |
| 10 | 10 cm | 6,809 |

| | |
|---|---|
| **STDEV** | **402** |
| **Max** | **7,110** |
| **Mean** | **6,680** |
| **CV** | **6%** |

## Indoor Background Measurements - Switzler Hall Third Floor

| Location | Distance | NaI Static (cpm) | Bicron Instantaneous Measurements (µRem/hr) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | STDEV | Max | Mean |
| 1 | 1 m | 5,178 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 0.8 | 7 | 6.2 |
| 2 | 1 m | 6,660 | 6 | 6 | 8 | 8 | 8 | 7 | 7 | 7 | 10 | 8 | 1.2 | 10 | 7.5 |
| 3 | 1 m | 6,516 | 7 | 7 | 10 | 9 | 8 | 7 | 6 | 7 | 8 | 6 | 1.3 | 10 | 7.5 |
| 4 | 1 m | 4,770 | 7 | 8 | 9 | 8 | 8 | 7 | 7 | 6 | 6 | 5 | 1.2 | 9 | 7.1 |
| 5 | 1 m | 6,834 | 8 | 8 | 7 | 7 | 6 | 7 | 8 | 8 | 7 | 8 | 0.7 | 8 | 7.4 |
| 6 | 1 m | 7,783 | 8 | 7 | 9 | 8 | 7 | 9 | 8 | 8 | 8 | 8 | 0.7 | 9 | 8 |
| 7 | 1 m | 7,342 | 10 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 7 | 7 | 1.0 | 10 | 7.9 |
| 8 | 1 m | 7,882 | 8 | 9 | 8 | 9 | 9 | 10 | 10 | 10 | 9 | 8 | 0.8 | 10 | 9 |
| 9 | 1 m | 6,903 | 10 | 10 | 10 | 12 | 11 | 11 | 10 | 11 | 11 | 10 | 0.7 | 12 | 10.6 |
| 10 | 1 m | 7,022 | 8 | 10 | 8 | 8 | 8 | 9 | 10 | 9 | 10 | 10 | 0.9 | 10 | 9 |
| | | | | | | | | | | | | | **Mean** | **9.5** | **8.0** |

| | |
|---|---|
| **STDEV** | **1,012** |
| **Max** | **7,882** |
| **Mean** | **6,689** |
| **CV** | **15%** |