**Correlation coefficient: radiation data - solar activity**

**INTEGRAL SREM**

Best fit with errors

\[ f(x) = -0.472 x + 5.834 \]

\[ m = -0.472 \pm 0.026 \]

\[ b = (5.834 \pm 0.149) / s \]

Average of 27d correlation of the two datasets: -0.79±0.03

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**Mars Odyssey HEND**

Best fit with errors

\[ f(x) = -0.429 x + 5.755 \]

\[ m = -0.429 \pm 0.028 \]

\[ b = (5.755 \pm 0.161) / s \]

Average of 27d correlation of the two datasets: -0.75±0.03

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**Rosetta SREM**

Best fit with errors

\[ f(x) = -0.553 x + 6.425 \]

\[ m = -0.553 \pm 0.033 \]

\[ b = (6.425 \pm 0.176) / s \]

Average of 27d correlation of the two datasets: -0.84±0.03