|  |  |  |  |
| --- | --- | --- | --- |
| Image ID | Mean Lamination Thickness (mm) | Uncertainty (mm) | Maximum Thickness (mm) |
| mcam05194 | 2.8 | 1.0 | 4.5 |
| mcam05194 | 2.6 | 0.9 | 4.2 |
| mcam04793 | 4.1 | 1.9 | 7.8 |
| mcam04793 | 4.2 | 1.9 | 7.5 |
| mcam04793 | 3.8 | 1.7 | 7.5 |

Lamination thickness measurements were performed on several targets in the Stimson formation. Measurements were performed using a wavelet analysis technique, where Mast Camera images were converted to grayscale and pixel intensity relative to distance was extracted orthogonal to the bedding, producing a signal that resolves lamination thickness. These data were linearly detrended to calculate a lamination thickness distribution for multiple transects in each image. The reported uncertainty is one standard deviation.

Raw data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Image ID** | **mcam05194** | **mcam05194** | **mcam04793** | **mcam04793** | **mcam04793** |
| **Thicknesses (mm)** | 3.4 | 3.0 | 6.4 | 3.9 | 4.2 |
|  | 3.1 | 2.7 | 2.2 | 4.4 | 4.3 |
|  | 3.3 | 1.1 | 4.0 | 4.9 | 4.8 |
|  | 3.3 | 1.7 | 5.6 | 4.2 | 3.6 |
|  | 3.3 | 2.9 | 3.1 | 3.5 | 1.5 |
|  | 3.4 | 4.5 | 5.8 | 1.6 | 1.6 |
|  | 3.3 | 3.0 | 2.8 | 1.2 | 2.9 |
|  | 2.4 | 1.0 | 4.7 | 2.3 | 2.2 |
|  | 1.1 | 2.8 | 2.4 | 1.9 | 6.2 |
|  | 2.0 | 4.0 | 4.9 | 2.0 | 5.2 |
|  | 3.0 | 3.1 | 1.2 | 1.2 | 4.2 |
|  | 4.4 | 4.4 | 3.3 | 3.1 | 4.9 |
|  | 3.1 | 3.2 | 2.8 | 5.5 | 1.8 |
|  | 3.1 | 3.2 | 2.1 | 6.4 | 4.1 |
|  | 2.9 | 3.4 | 3.3 | 4.7 | 2.5 |
|  | 3.8 | 3.1 | 1.2 | 5.3 | 3.3 |
|  | 2.0 | 3.2 | 5.8 | 7.5 | 7.5 |
|  | 1.7 | 3.2 | 1.5 | 5.2 |  |
|  | 1.9 | 2.6 | 7.2 | 4.7 |  |
|  | 1.9 | 3.7 | 5.8 | 7.0 |  |
|  | 1.7 | 2.6 | 6.2 | 4.9 |  |
|  | 1.8 | 4.0 | 2.7 | 2.9 |  |
|  | 4.5 | 3.2 | 7.0 | 3.6 |  |
|  | 2.8 | 2.8 | 2.7 | 4.3 |  |
|  | 1.8 | 2.5 | 2.7 | 7.5 |  |
|  | 2.0 | 1.4 | 3.2 | 2.6 |  |
|  | 4.2 | 1.7 | 5.5 | 6.4 |  |
|  | 3.1 | 2.1 | 5.4 | 5.7 |  |
|  |  | 1.9 | 6.7 | 2.8 |  |
|  |  | 2.8 | 4.0 | 6.0 |  |
|  |  |  | 5.8 | 4.0 |  |
|  |  |  | 5.5 | 7.2 |  |
|  |  |  |  | 3.4 |  |
|  |  |  |  | 4.1 |  |
|  |  |  |  | 4.9 |  |
|  |  |  |  | 2.1 |  |