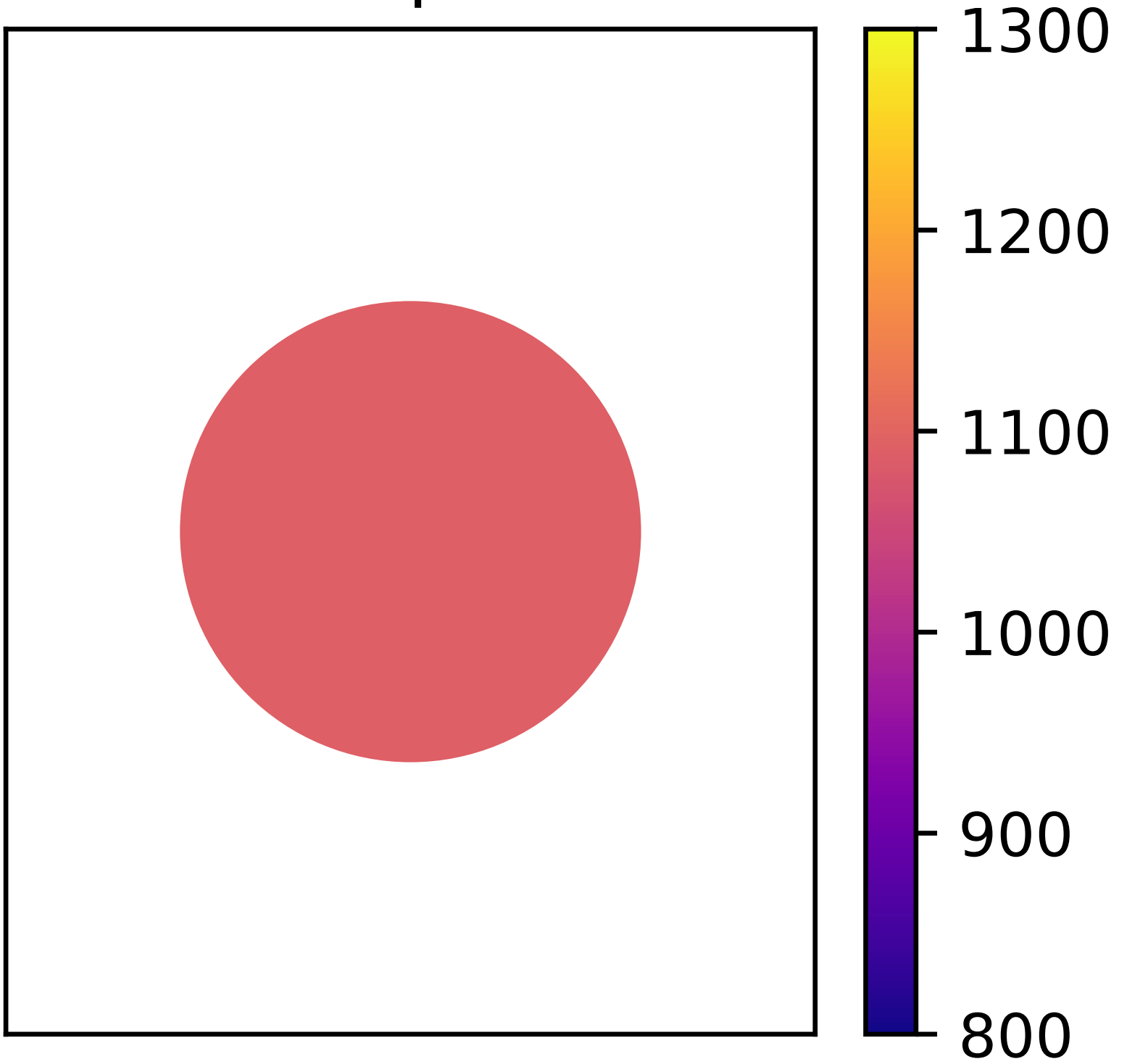thickness. Each pixel is a measureme