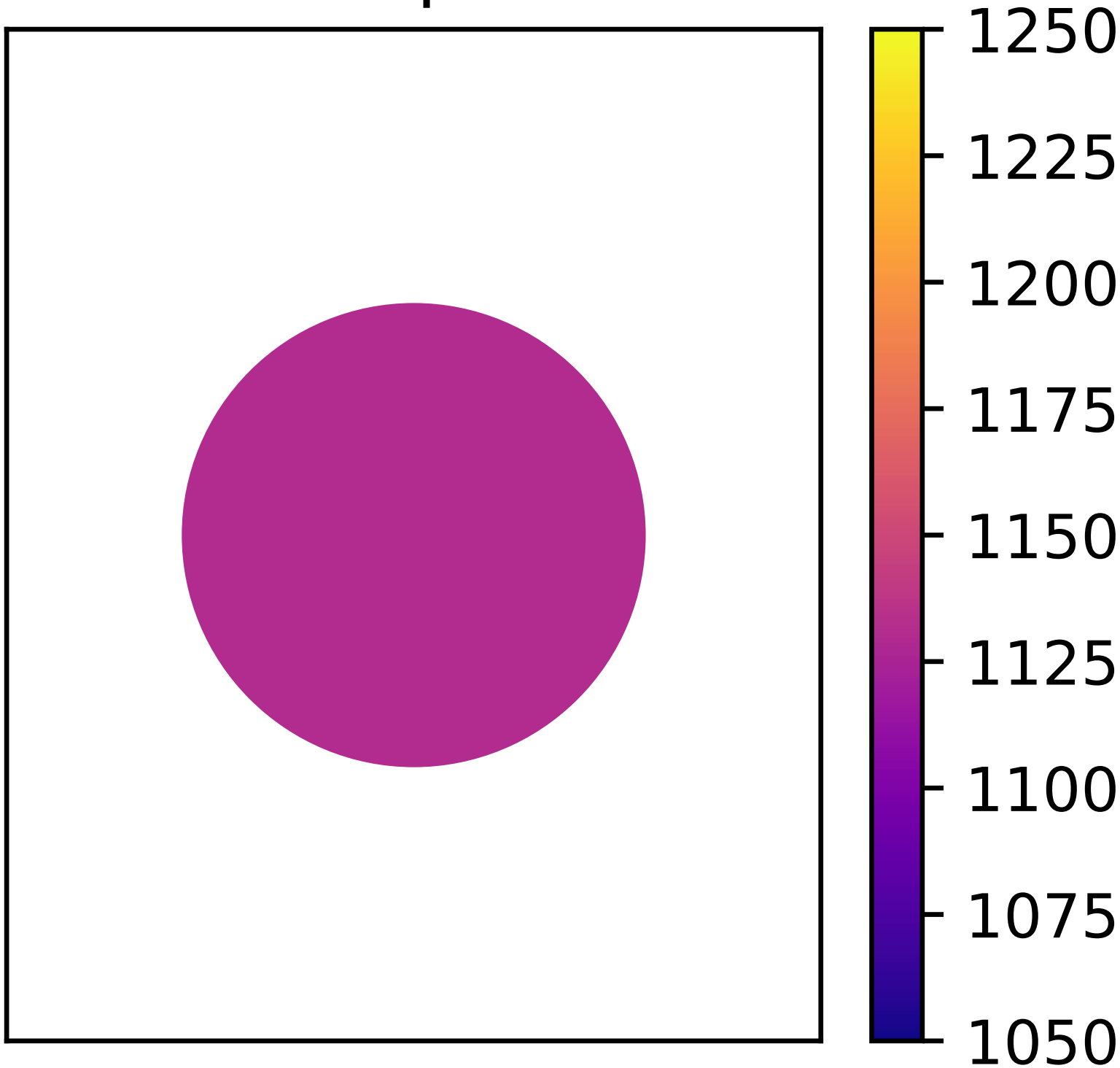thickness. Each pixel is a measurem