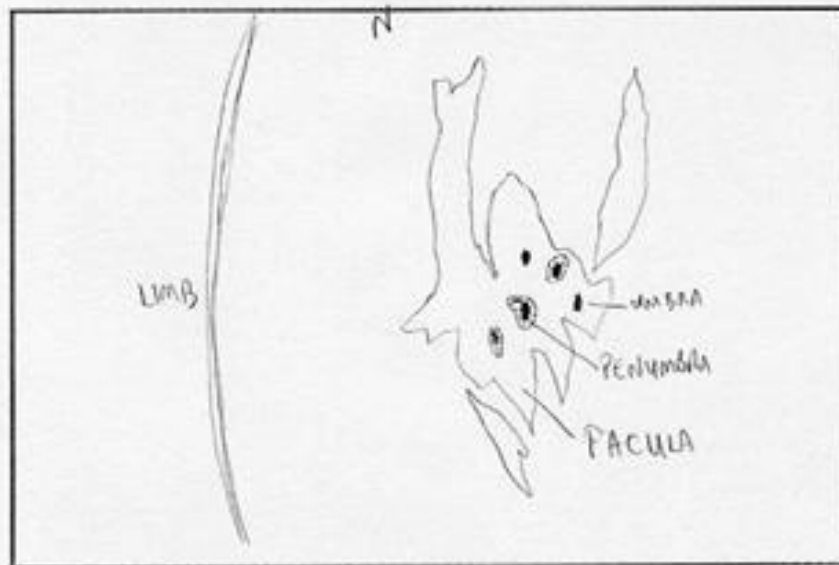


## Sunspot Drawing

Observer \_\_\_\_\_  
 Universal date/time: 01-25-2002 18:00  
 Sky quality: EXCELLENT  
 (Excellent, good, fair, poor)  
 Seeing in arc seconds: 2" or better  
 (smallest detail seen where a photospheric granule is 1.5-2 arc seconds)

Location: \_\_\_\_\_  
 Telescope effective aperture: 7"  
 Telescope focal length: 995 mm  
 Eyepiece focal length: 15 mm  
 Magnification: 66x  
 Filter type: BANDER ASTRO FILM

McIntosh Sunspot Classification: C50



Label the following on your sunspot drawing:

- Umbra
- Penumbra
- Facula
- Light bridge (if present) NONE
- Penumbral fibril (if visible) YES!
- Show *approximate* direction of Solar North with an arrow

Answer the Following:

- Is granulation visible? Yes: \_\_\_\_\_ No: X
- Is penumbral grain visible? Yes: \_\_\_\_\_ No: X
- Does the drawing show the Wilson effect? Yes: X No: \_\_\_\_\_ VERY MUCH SO!