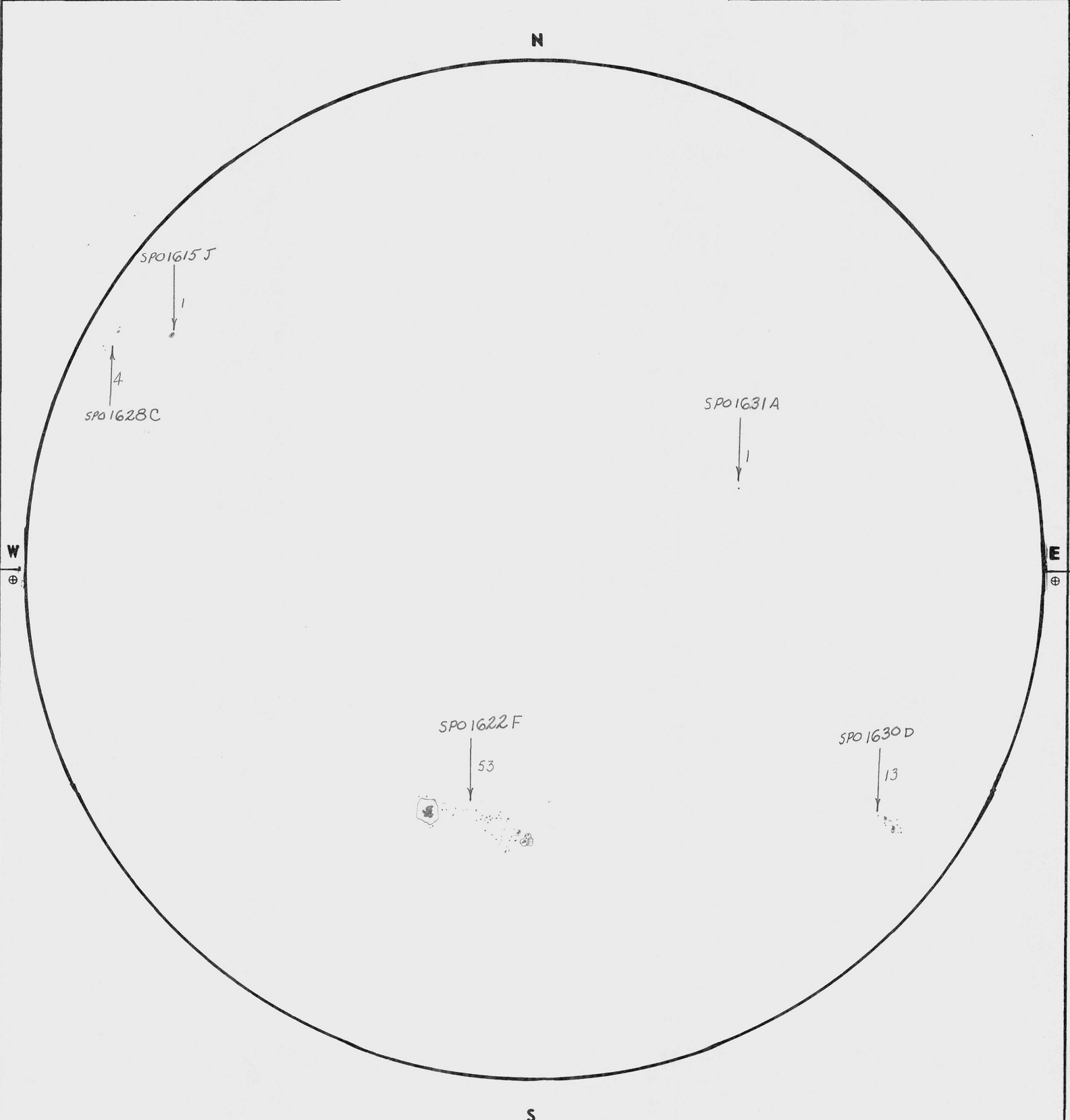


TIME 1610 UT  
 CLOUDS Clear OBS H  
 SEEING 2-3  
 CONDITION GOOD

**SUNSPOT DRAWING**  
 (Completed Daily)

DATE 13 DEC 68  
 GROUPS 5  
 SPOTS 72  
 R= 122



SACRAMENTO PEAK OBSERVATORY SUNSPOT, NEW MEXICO

13 Dec 68

1) remove glass

2) remove 4mm pre filter

3) insert 2.5mm pre filter

$$\begin{array}{r} 4.0 \\ 2.5 \\ \hline -1.5 \end{array}$$

$$\begin{array}{r} 4.0 \\ 3.25 \\ \hline 7.25 \\ 2.5 \\ \hline 3) 4.75 \text{ mm diff.} \\ \underline{0} \\ 17 \\ \underline{15} \\ 25 \\ \underline{24} \\ 1 \end{array}$$

1.58 mm  
in Toward  
film