

line intensity and line width in Table Ib; and again in Table Ic reduced to the basis — mean rotation displacement = 1.00, where the mean is determined by assigning equal weight to each line-intensity irrespective of the number of lines. Only 11 of the 19 lines 4 to 11, were measured on plates Z.911 to Z.917, and these results grouped as to intensity and width of lines are given in Tables IIb to VIIb; and in Tables IIc and VIc, reduced to the basis, mean rotation displacement = 1.00, as in Ic. Under "Line" are given the wave-length, followed by the symbol of the element producing the line from Rowland's Tables; and under intensity (presumably that of the centre of the sun's disc) as given in Rowland's Tables, followed by measures of the intensities at limb Z.917 (10); in the next column are given the half-widths of the lines at centre and limb from measmts of Z.917 (10). Then follow the half-measurements in km./sec. Means are taken for each line and intensity (horizontally) and for each proportion of blending (vertically). In taking the means, the first and tenth columns of these measures are, of course, omitted as they are not measures of blends.