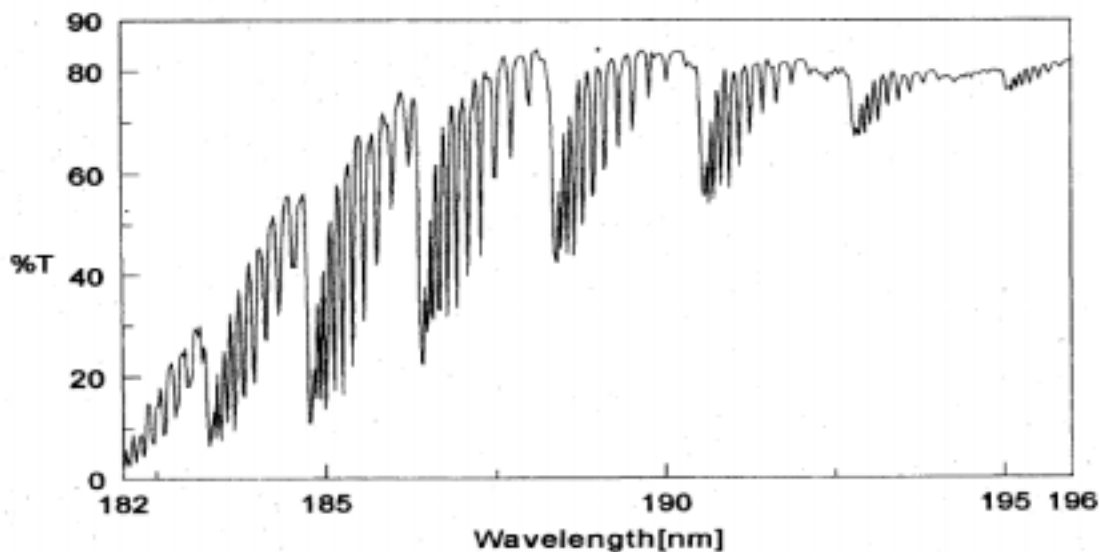


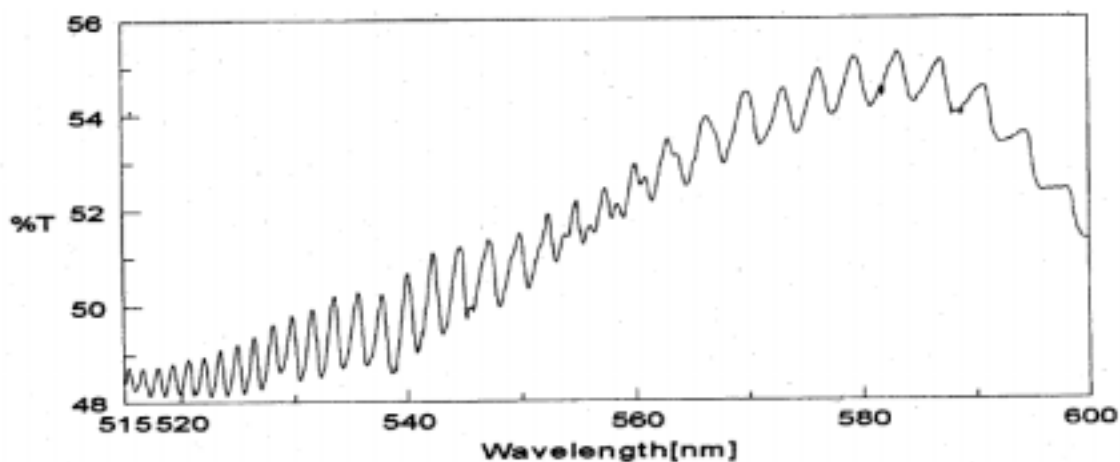
## RESOLUTION OF CD SPECTROMETERS

We report here old data of (we hope) of some interest run on early J-810 spectrometer. Purpose of these tests was to check optical resolution of the double monochromator. Resolution is not usually a concern for CD users, but it's a direct indication of the *quality* of the optics used.

First test was exploring the O<sub>2</sub> Schuman Runge bands in the UV region. Measuring mode was UV single, bandpass 0.02nm, 1nm/min scanning speed, 0.125sec response, data pitch 0.025nm, with HT=640V. The scan was performed with a N<sub>2</sub> purged (but obviously not perfectly flushed) unit.



For the second test (still single beam) in the VIS we used a 10cm path glass cell filled with Iodine vapor at room temperature, overall intensity is low, but enough to detect the fine structure.



While obviously not as exciting as the UV measurement (we are talking of double prism monochromator) data are not bad.