IDENTIFICATION OF THE [10.3] $^2\Phi_{7/2}$ - A $^2\Delta_{5/2}$ TRANSITION OF NICKEL CHLORIDE

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The near infrared system of NiCl with a bandhead at 10,168 cm^{-1}has been recorded and identified as the [10.3] $^2\Phi_{7/2}$ - A $^2\Delta_{5/2}$ transition. Molecular constants for the new [10.3] $^2\Phi_{7/2}$ state will be presented. A comparison of the known energy levels for nickel halides will be discussed.