IDENTIFICATION OF THE [12.3] $^2\Sigma^+ - B^2\Sigma^+$ TRANSITION OF NiCl

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The near infrared system of NiCl at 10 496 $\mathrm{cm}^{-1}$has been recorded and identified as the [12.3] $^2\Sigma^+ - B^2\Sigma^+$ transition of NiCl. Improved molecular constants will be presented. Unusual intensity patterns are observed in the spectrum indicating a large perpendicular component of the transition dipole moment.