# INTRACAVITY LASER SPECTROSCOPY OF NICKEL CHLORIDE: SYSTEM H

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The near infrared electronic transition of NiCl occurring in the region of 12,259 $cm^{-1}$ has been recorded by intracavity laser absorption spectroscopy. The NiCl molecules were produced in a nickel hollow cathode operating with an applied potential of 350 to 750 V, using 0.5 to 2.2 torr argon or helium, and a trace amount of carbon tetrachloride. At this time we believe it does connect to the $X\ ^2\Pi_{3/2}$ state. A high resolution analysis of this transition is in progress and results of the fit will be presented.