Carl Schreck Bio

Dr. Schreck completed his Ph.D. in 2010 at the University at Albany, State University of New York. His dissertation explored the intraseasonal variability of tropical convection using satellite-derived rainfall estimates from NASA's *Tropical Rainfall Measuring Mission* (TRMM). Notable sources of variability included convectively coupled equatorial waves and the Madden-Julian oscillation. Dr. Schreck identified the relative influences of these systems on tropical cyclone formation around the globe.

Dr. Schreck joined CICS-NC as a Postdoctoral Fellow in August 2010. He is investigating the Madden-Julian oscillation and the El Nino-Southern Oscillation (ENSO) using a climate data record of upper tropospheric water vapor that was recently developed here at NCDC. Dr. Schreck also contributes to a team that develops and maintains the *International Best Track Archive for Climate Stewardship* (IBTrACS). This, the world's largest repository of tropical cyclone best track data, is housed at NCDC under the auspices of the World Data Center. Dr. Schreck uses these data to examine the relationships between climate variability and tropical cyclones.