

| <b>Year</b> | <b>Student</b>      | <b>Home institution</b> | <b>Project</b>  | <b>Mentor</b>               |
|-------------|---------------------|-------------------------|---|-----------------------------|
| <b>2013</b> | J. Marquis          | U. Louisiana Monroe     | Error characterization of objective analysis  | J. Hardin                   |
|             | M. Wiesner          | McGill                  | Feature detection algorithm for bow echoes  | J. Hardin                   |
|             | E. Hernandez        | UPRM                    | Analysis of dual-pol data from UPRM network   | H. Chen and V. Chandrasekar |
|             | D. Silva            | UPRM                    | Analysis of dual-pol data from UPRM network   | H. Chen and V. Chandrasekar |
|             | E. Dougherty        | U. Virginia             | Meteorological Interpretation of S and X-band Warm Season Echoes using the CSU-CHILL Dual-frequency Radar | P. Kennedy                  |
|             | J. Costello         | U. Illinois             | Meteorological Interpretation of S and X-band Warm Season Echoes using the CSU-CHILL Dual-frequency Radar | P. Kennedy                  |
|             |                     |                         |   |                             |
| <b>2012</b> | A. Manhard          | <b>North Carolina?</b>  | Automated tracking of radar calibration spheres   | J. George                   |
|             | M. Rausch           | <b>?????</b>            | Geospatial mapping improvements to VCHILL   | J. Hardin                   |
|             | S. Strong-Henninger | Creighton               | Tornado detection algorithm   | J. Hardin                   |
|             | J. Notaros          | U. Colorado             | Electromagnetic modeling of hailstones  | E. Chobanyon                |
|             | P. Marinescu        | SUNY Stony Brook        | Image processing techniques applied to hailpad analysis   | P. Kennedy                  |
|             | B. Windschitl       | St. Cloud State         | Evaluating the performance of hail detection by the CSU ATS hydrometeor classification algorithm          | P. Kennedy                  |
|             |                     |                         |   |                             |
| <b>2011</b> | J. Lopez            | Texas A and M           | Processing radar calibration sphere data  | J. Hardin                   |
|             | C. Carlson          | U. Miami                | Analysis of a tornado observed by the OK CASA IP1 network   | H. Chen                     |
|             | J. Wipf             | SDSMT                   | Analysis of a tornado observed by the OK CASA IP1 network   | H. Chen                     |
|             | S. Santeiu          | Iowa State              | Photogrammetric analysis of dual polarization radar data and cloud imagery                                | P. Kennedy                  |
|             | A. Matthews         | St. Cloud State         | Photogrammetric analysis of dual polarization radar data and cloud imagery                                | P. Kennedy                  |
|             |                     |                         |   |                             |
| <b>2010</b> | D. Coates           | U. North Carolina       | Implementation of boundary layer refractivity algorithm on the CSU-CHILL radar                            | M. Martinez                 |
|             | A. Giannandrea      | SUNY Brockport          | Integrating CASA and GIS data to better support emergency managers  | D. Bandara                  |
|             | N. Rivera           | U. Turabo               | Control / signal processor server interface   | M. Vega                     |

|  |             |             |  |            |
|--|-------------|-------------|--|------------|
|  | K. LaRouche | Metro State | Bragg scattering echoes from developing cumulus clouds observed at S and X-bands | P. Kennedy |
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