

CAPS Ensemble Member AUC Hail > 50 mm

CN M3 M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 Mean

Elastic Net

82 74 79 81 79 73 76 77 81 76 76 82 91

Random Forest CV

84 72 80 81 80 73 77 77 82 78 81 81 91

Random Forest

82 74 80 81 80 74 76 78 82 78 81 80 91

Reflectivity -10 C

87 81 84 50 86 81 86 87 50 86 85 50 89

HAILCAST

67 66 60 68 63 68 69 58 64 64 65 65 76

Column Total Graupel

59 50 50 50 50 50 50 50 50 60 58 50 60

Updraft Helicity

66 70 74 69 73 73 75 69 66 62 66 70 84

Area Under ROC Curve (%)

85.0

82.5

80.0

77.5

75.0

72.5

70.0

67.5

65.0

62.5

60.0