

Automated DSS - Fire Weather Products at WFO Marquette

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Abstract: The National Weather Service in Marquette has been actively pursuing means to increase situational awareness and overall decision support without overwhelming the operations staff. In coordination with fire weather customers across Michigan's Upper Peninsula, the NWS Marquette fire weather team has developed programs to provide daily automated briefings and provide increased situational awareness for our fire weather users. The automated fire weather briefing slides give a three-day overview of several weather parameters across the area along with long term outlooks. This briefing is currently being tested in two additional offices, one in Central Region and one in Eastern Region, and can be modified for many other DSS areas. Additional fire weather programs have been developed for situational awareness, both for our customers and in operations. These products are focused on forecast high temperatures and two-week observed rainfall accumulations, compared to normal, using NCDC data.

Objective: Show examples and explain the automated fire weather products used at the WFO in Marquette.

Takeaway: The automated briefings can increase DSS by providing a centralized location for users to access pertinent meteorological material. These briefings can be completed on a daily basis with little to no additional workload for the operational staff.

