



SKEN-T/LOG-P VALID 1200 UTC 11/11/2005 KDNR Lat = 39.75 , Lon = -104.87

Methods to Assess Communication of Uncertainty

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Problem Statement

Communication of uncertainty is currently a huge issue in the weather enterprise

Little is known about what to communicate, how to communicate it, how uncertainty information is used and understood by users.



Methods

1. Question development, pre-testing and assessment
 - questions from WAS*IS
 - questions developed by SIP
2. Survey implementation
 - “add-on” to Storm survey
 - alternative data collection
3. Quantitative analysis
 - summary responses
 - regression analysis

Timeline

1. Literature review
2. Question development
3. Question pre-testing
4. Survey implementation
5. Data analysis
6. Reporting



Budget and Resources

1. Potential support from Lab
2. SIP can provide some data collection support



Outcome

- Comprehensive survey results on public's view of uncertainty in weather forecasts
 - confidence in forecast
 - communicating the probability distribution function of forecast
 - behavior under a scenario
 - graphic methods of forecast uncertainty
 - What does probability of precip mean?
- Publication