



Human Factors/Interface Issues

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Issues and Challenges

❖ Maintaining Simplicity

- CONUS
- State
- Maintenance District

❖ Minimizing Ambiguity

- Organization
 - Drop-downs
 - Pop-ups
- Display messaging
- Help files
- Documentation

Colorado MDSS - v5.0
 File Configuration Help
 Friday 9/14/07 16:57:39 MDT

Selected Maintenance Area:
 Colorado

Weather Alert Category:
 OK Marginal Poor Extreme

Alert Type	0-12 Hrs	12-24 Hrs	24-48 Hrs
Weather	Green	Green	Yellow
Road	Green	Green	Green
Blowing SN	Green	Green	Green
Bridge Frost	Green	Green	Green

Map Products:
 State Zone Alerts: County Weather
 Weather Forecasts: Weather Alerts
 Road Forecasts: Mobility Alerts
 Point Observations: None
 Area Observations: Satellite Visible
 Watches/Warnings: None

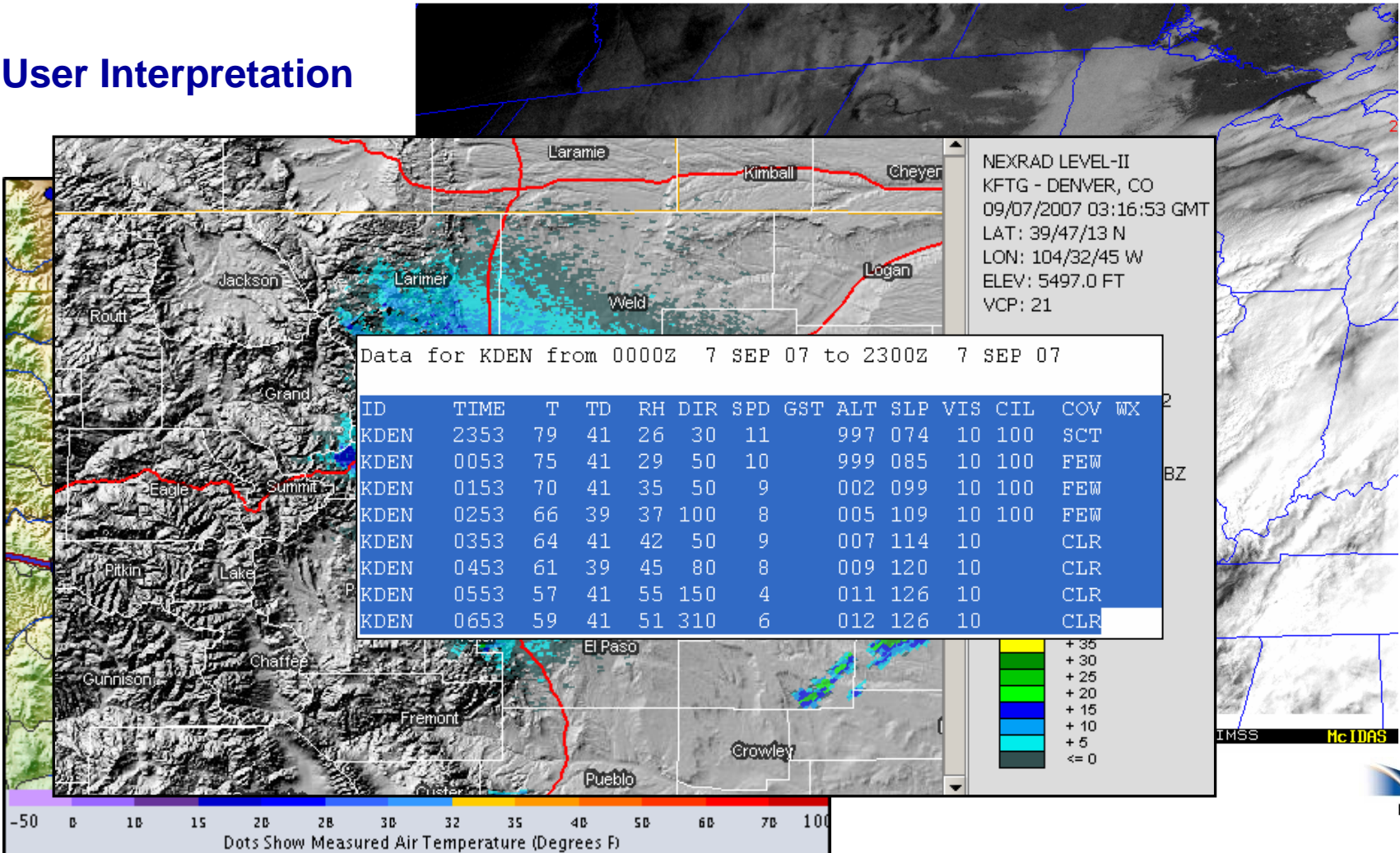
Selected Plow Route:
 MSSA
 Event Summary... Forecast History... Treatment History... Treatment Selector...
 Blowing Snow Alerts: [Green bar]
 Bridge Frost Alerts: [Green bar]
 Current Treatment: [Empty bar]
No New Treatments Scheduled

Selected Time and Animation:
 Observations Only
 Forecast Only
 Observations and Forecast
 GO
 15:00 18:00 21:00 0:00 3:00 6:00 9:00 12:00 15:00 18:00 21:00 0:00 3:00
 9/14 9/15 9/16



Issues and Challenges

❖ User Interpretation





Issues and Challenges

❖ Data Saturation

What is the right balance?

