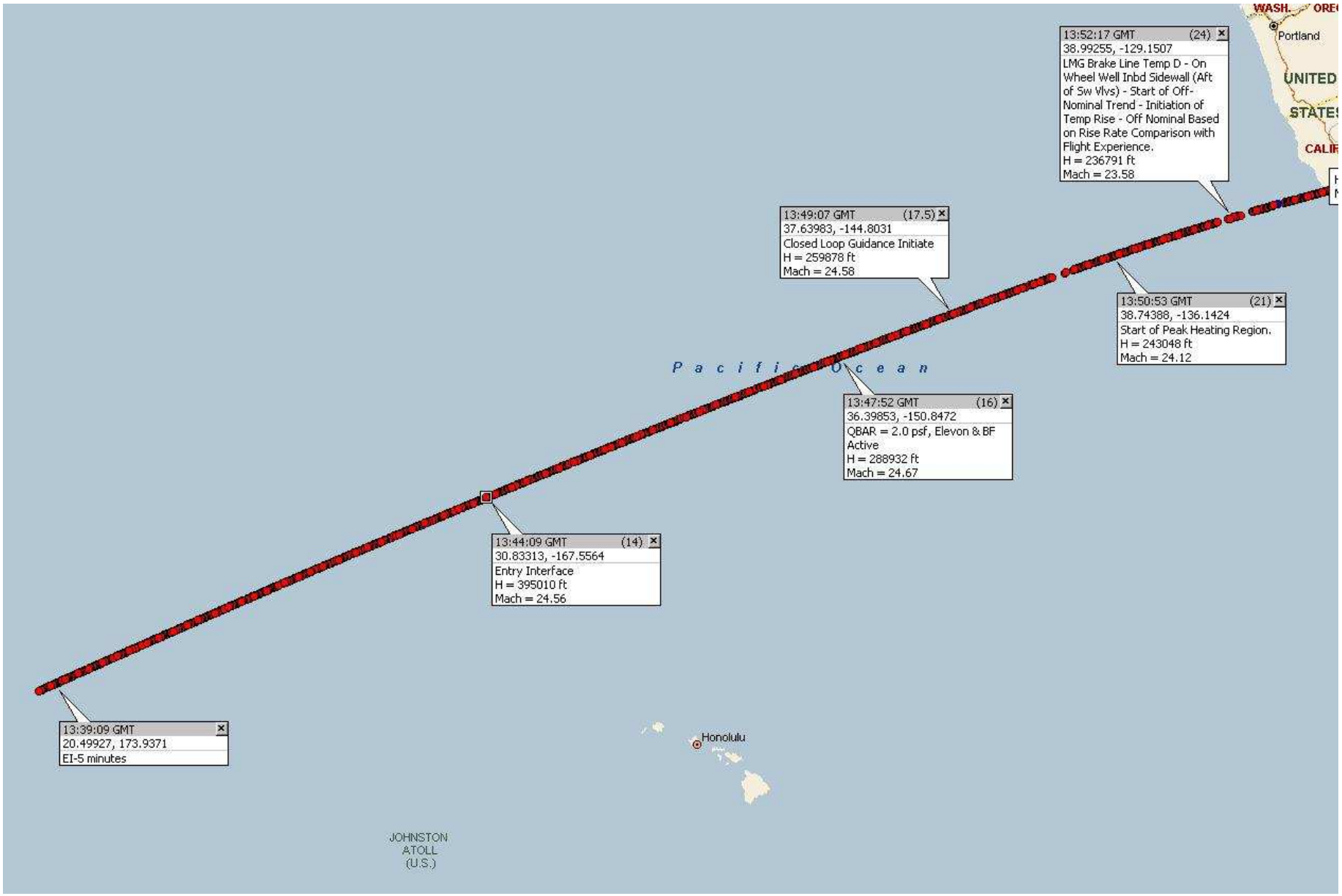
STS-107 Accident Investigation Ground Track and Events Summary
Based on the Rev 12.1 Master Time Line
(Baselined, 02/12/03, 09:00 a.m.)

February 12, 2003

Explanation of Ground Tracks

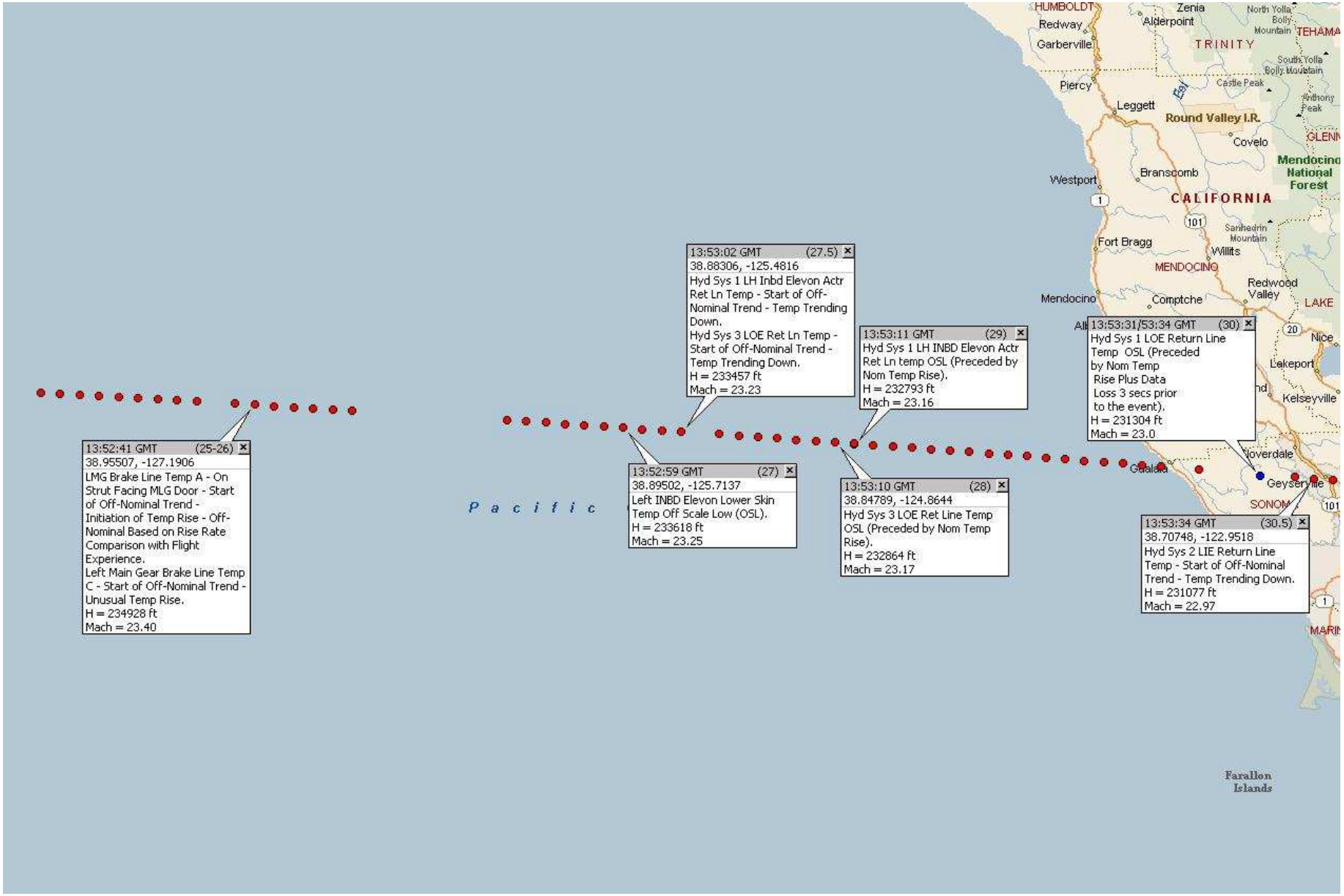
- Ground Track Data Source: STS-107 GPS State Vector
- Event Time Line Source: STS-107 Accident Investigation Master Timeline (Baselined), Revision 12.1, dated 02/12/03 9:00 am CST, from the Integrated Time Line Team.
- GPS-derived Latitudes and Longitudes are plotted on the map at 0.96 second time intervals, although there are numerous data dropouts. The symbol used for points from the trajectory data file is a red dot.
- The time tags of events from the Master Time Line sometimes fall between trajectory data points, and in some cases they occur during GPS data dropouts. In these cases the correct location of the event is indicated by a blue dot.
- Explanation of the contents of Note Boxes:
    - Grey Header – Greenwich Mean Time (GMT) of the event and the Event Sequence Number from the Master Time Line (in parentheses)
    - Geodetic Latitude and W. Longitude of the event (red dots only) in decimal degrees.
    - Event description from the Master Time Line
    - Geodetic Altitude of the event (H) in feet (interpolated when necessary)
    - Mach Number of the event (Mach) (interpolated when necessary)
    - Some nominal events have been intentionally omitted.

Entry Interface to Coastal Crossing



Based on Master Time Line Rev 12.1, 02/12/03

Crossing the California Coast



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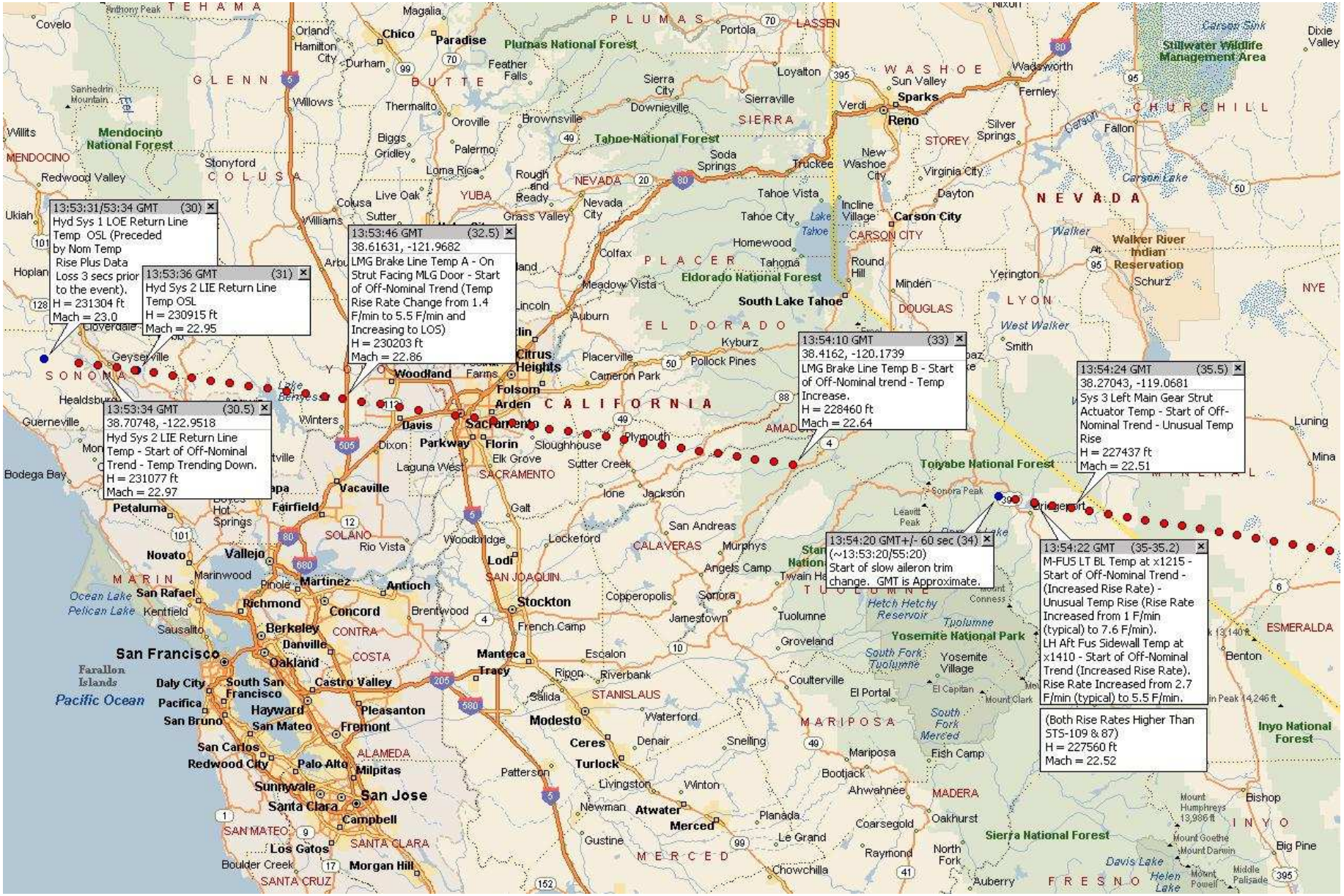
Crossing California



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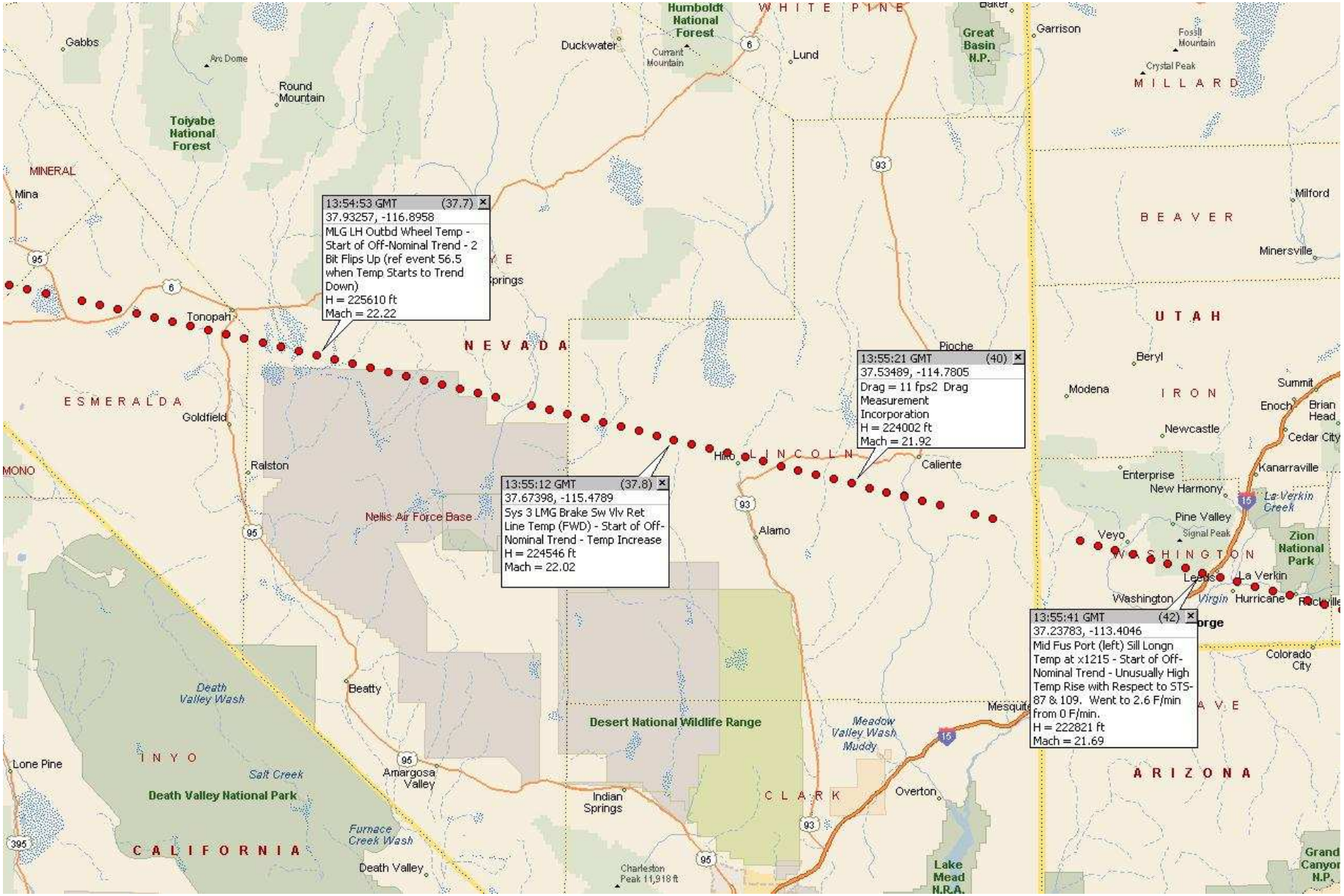
Crossing Nevada



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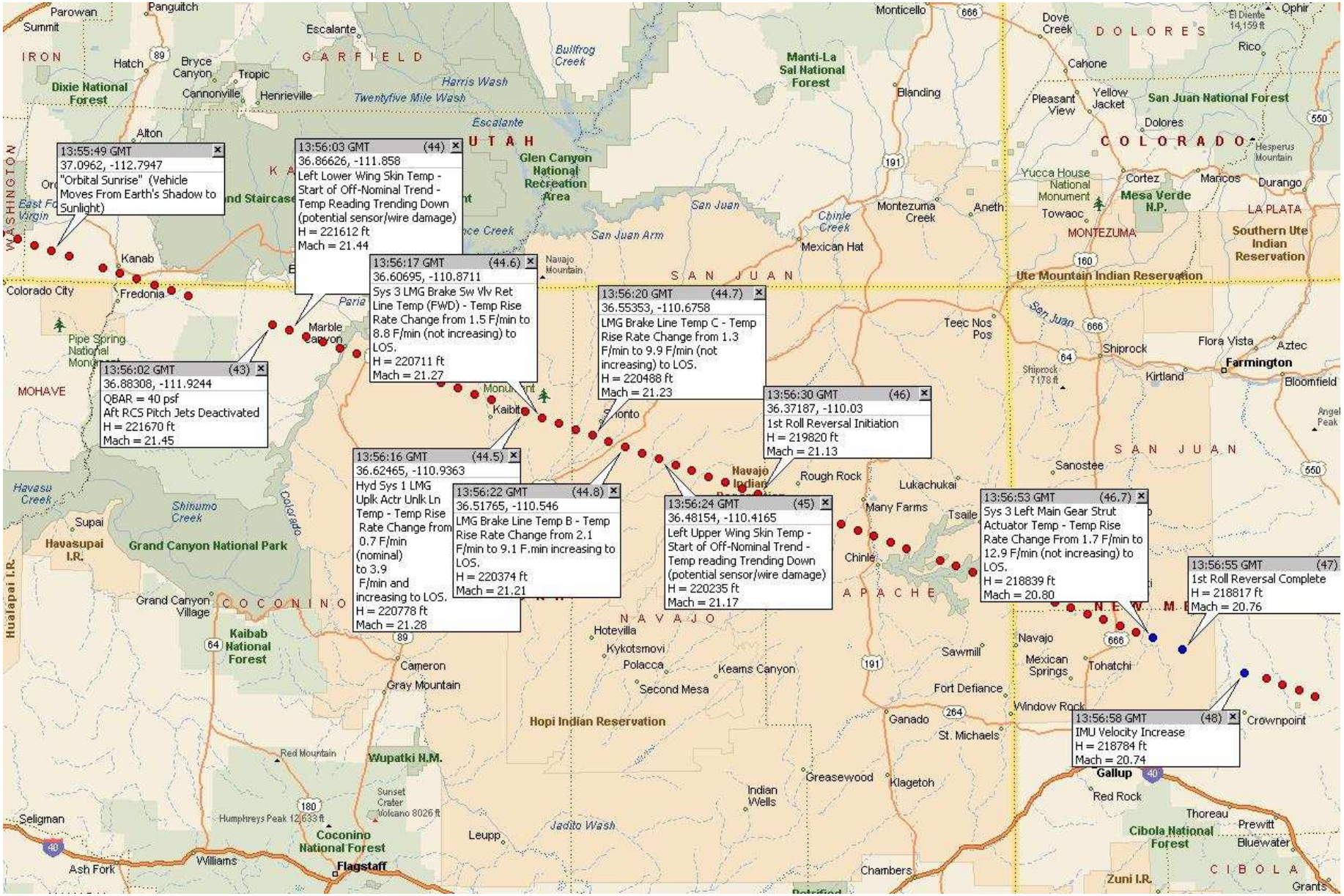
Crossing Arizona



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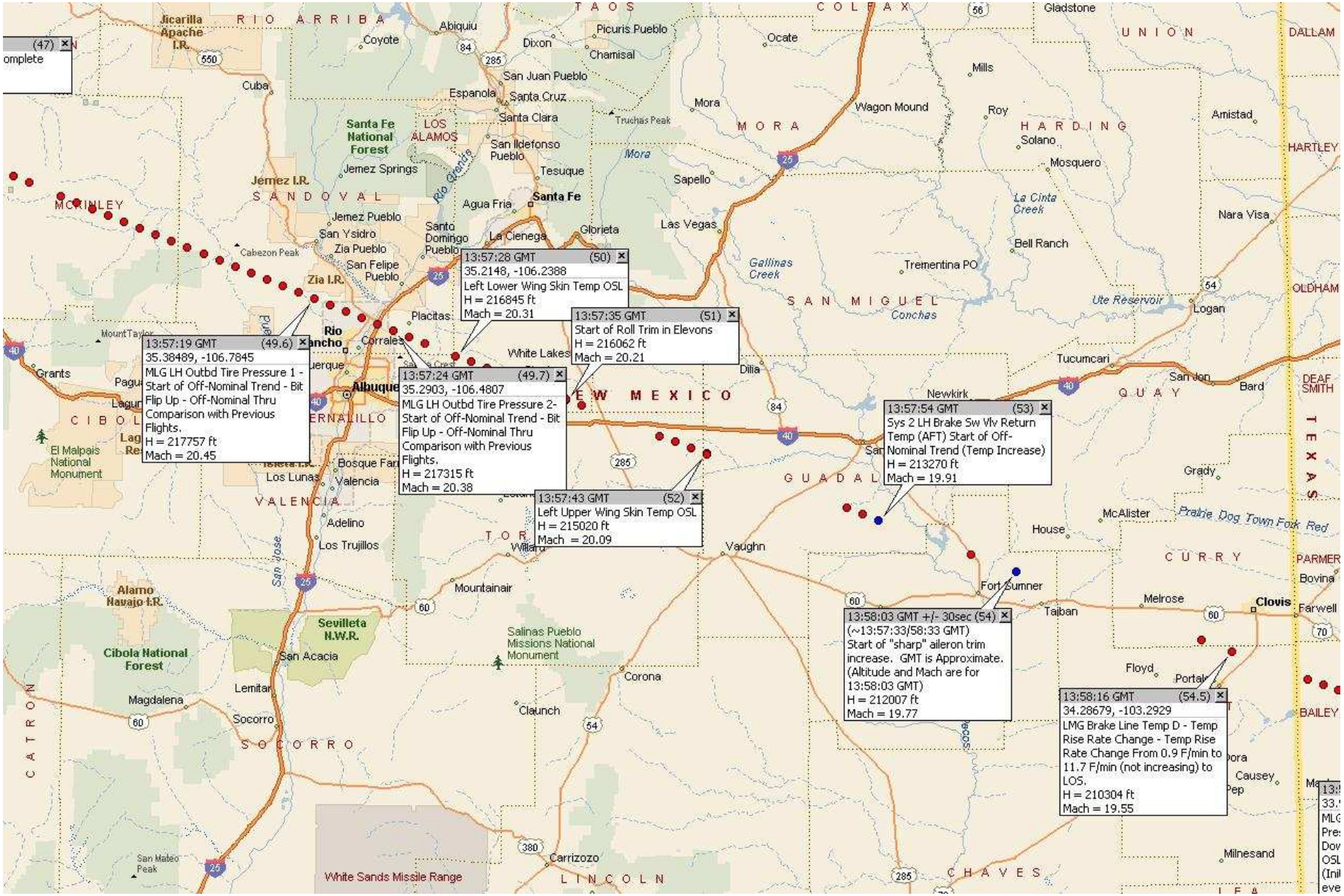
Crossing New Mexico



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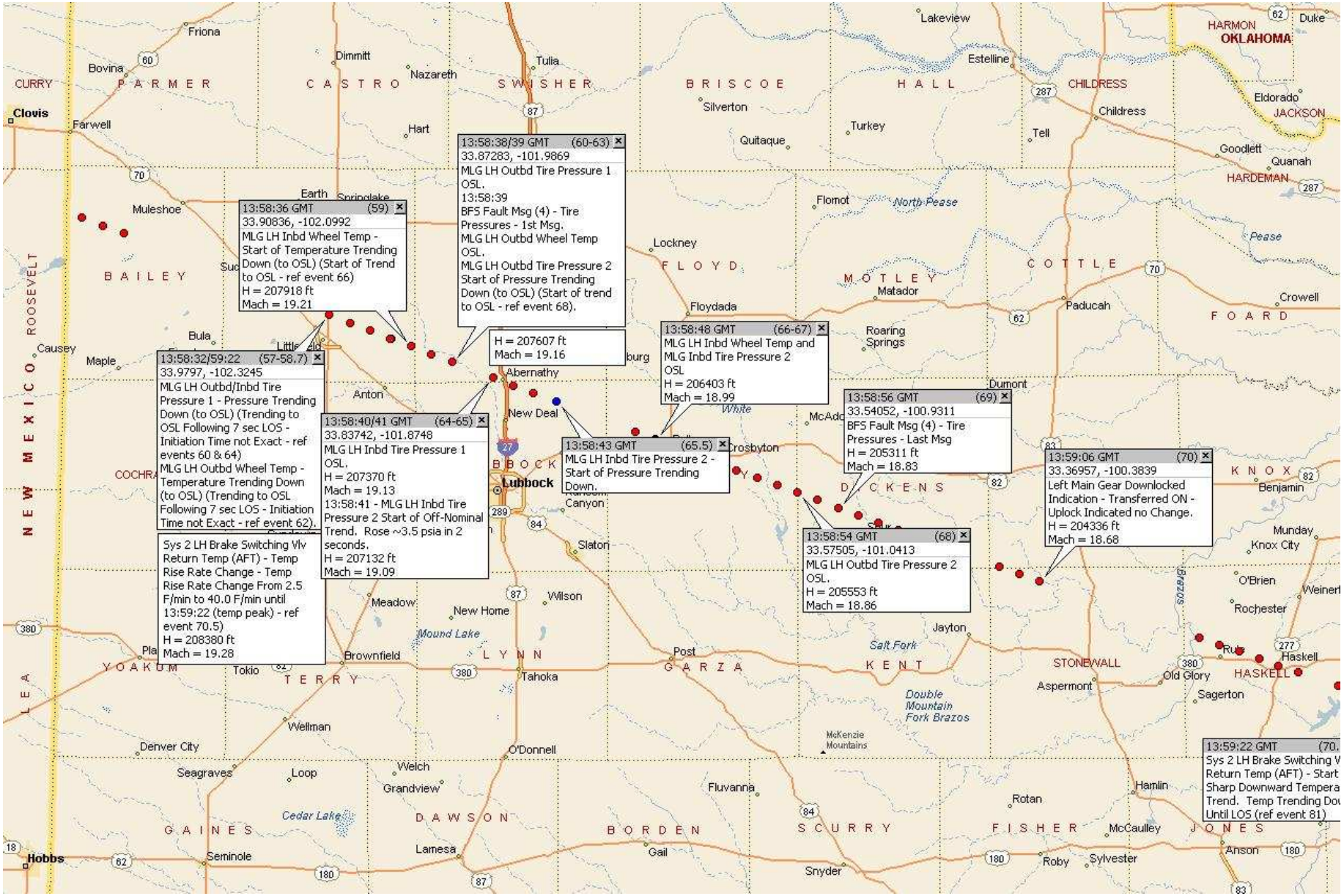
Crossing from New Mexico to North Texas



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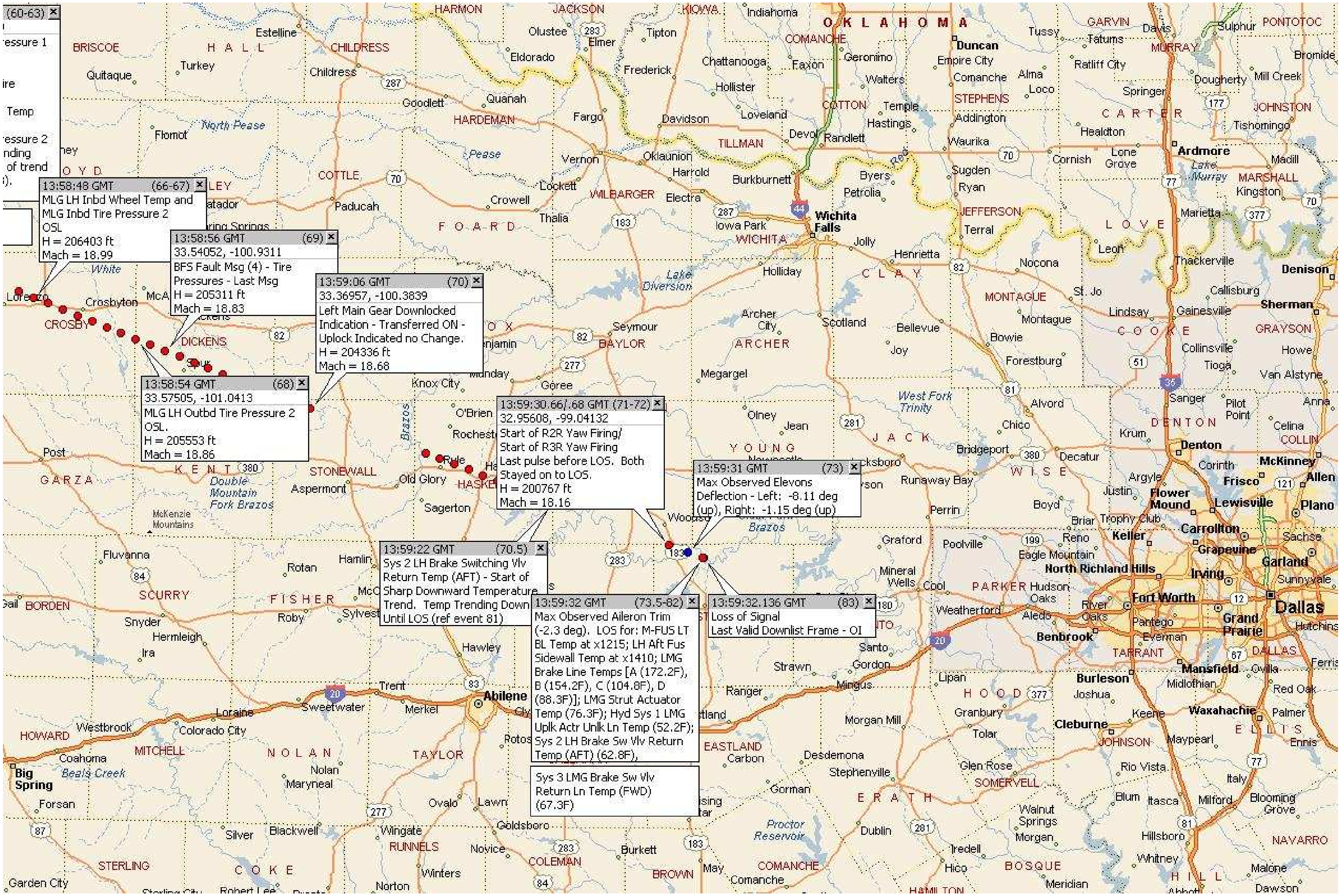
Crossing Texas to Loss of Signal



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