

The Status of Real Time Networks in New Mexico

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What is a RTN (Real Time Network)



- GPS Infrastructure—The receivers, PCs, software, and communications links that are permanently or semi-permanently stationed to provide continuous data logging, monitoring and data broadcast
- System Infrastructure—GPS Infrastructure plus: communications links, rover receiver, rover UI and office software that handles the data



Types of Networks



- Single Base Solution Most start this way!
- A Network of Single Bases-GPSNet
 - Used by the NMDOT
 - DOT Streams Data to NGS CORS

Virtual Reference Station (VRS) The Ultimate Solution



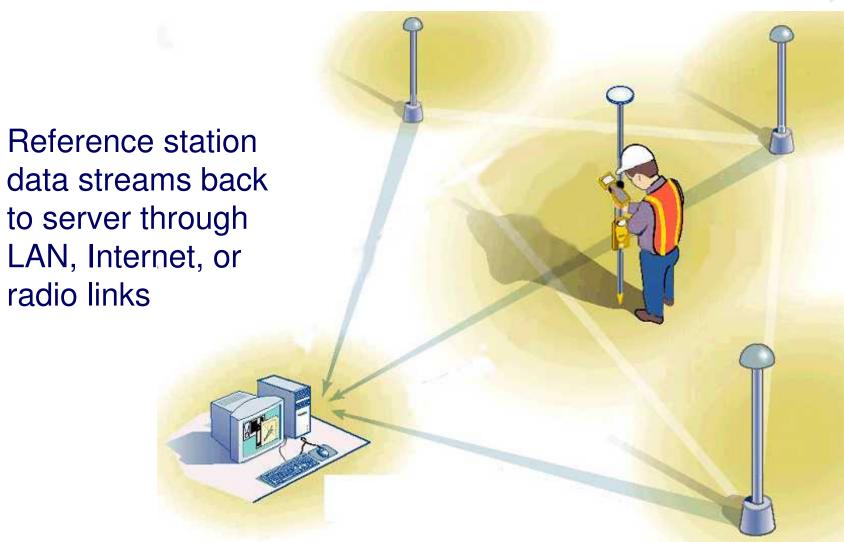
What is VRS?



- Can be used for both Survey and Mapping
- Links a network of reference stations
- Provides quality control of incoming data
- Logs files for postprocessing
- Network modeling of systematic errors
- Real time broadcast of true network RTK solution

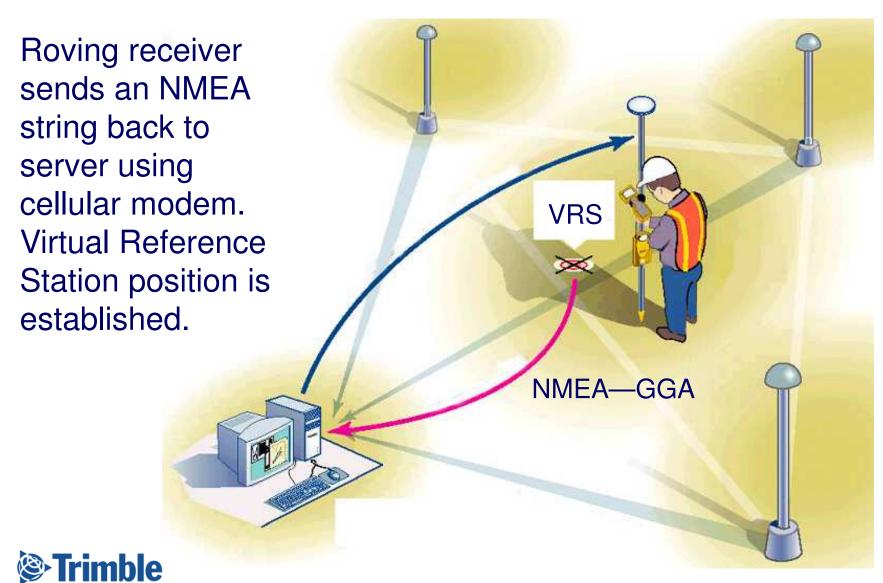






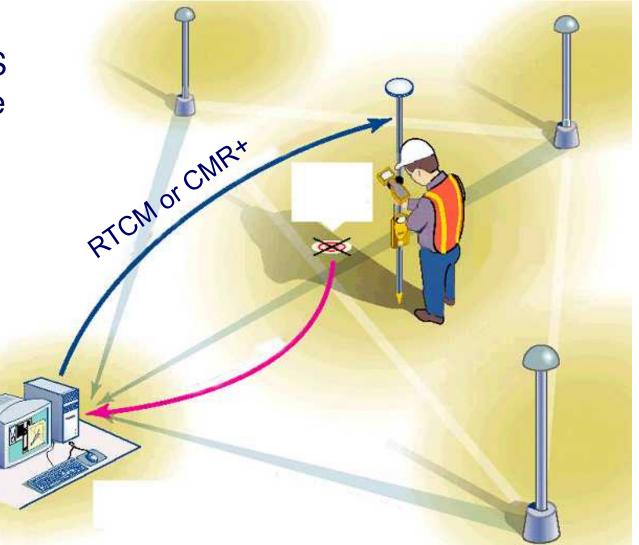






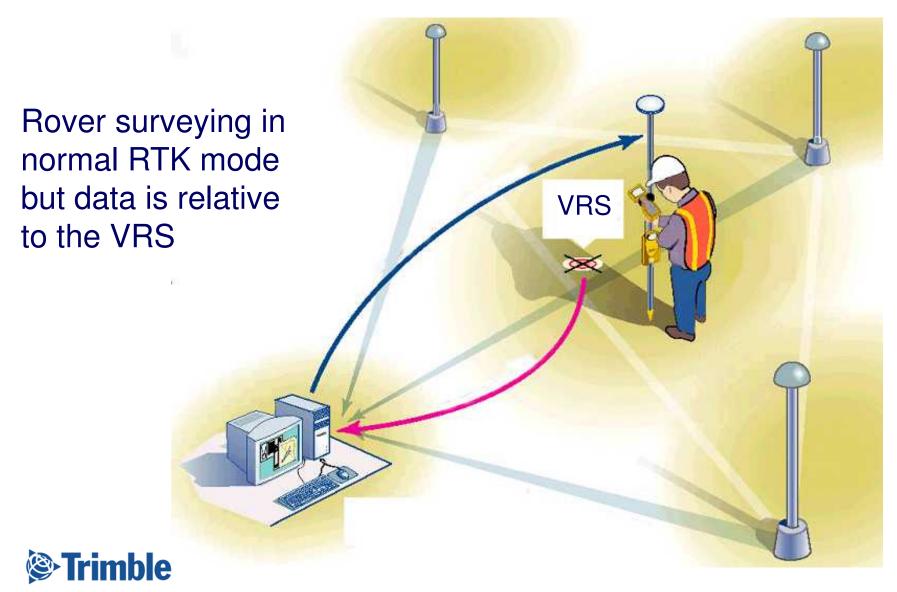


Server uses VRS position to create corrected observables and broadcasts them to the rover.



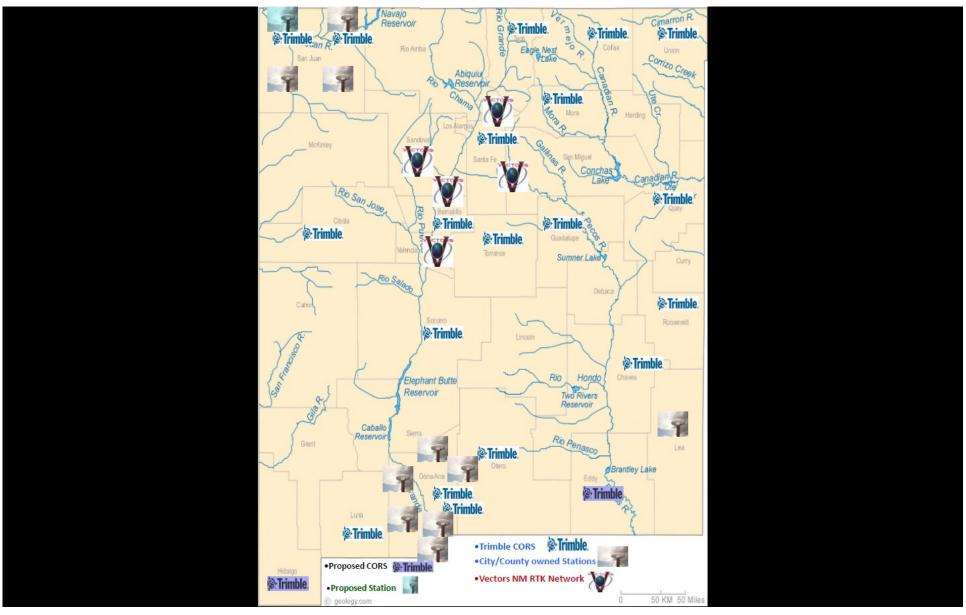


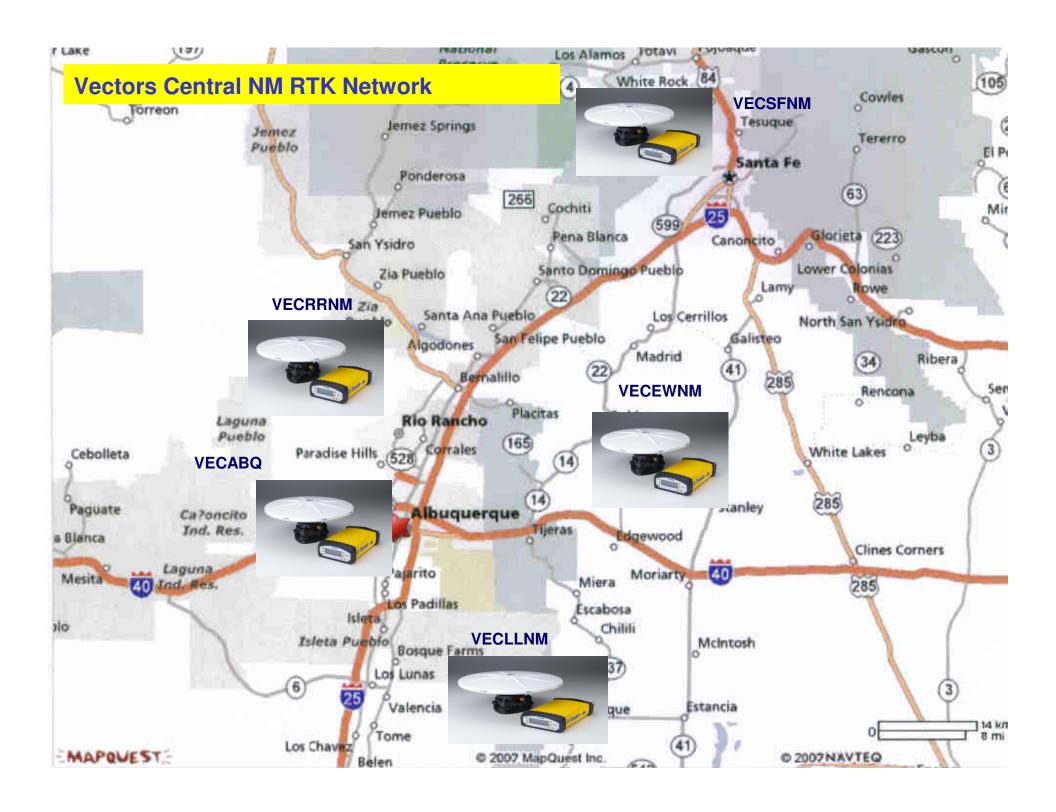




Current Status Statewide









Save to My Places

n interactive tutorial.

NSS Network

e · Updated Mar 16, 2010

V Long: 106 - 40 - 04 W I tailed Info

V Long: 106 - 33 - 40 W I tailed Info

l Long: 106 - 52 - 09 W I tailed Info

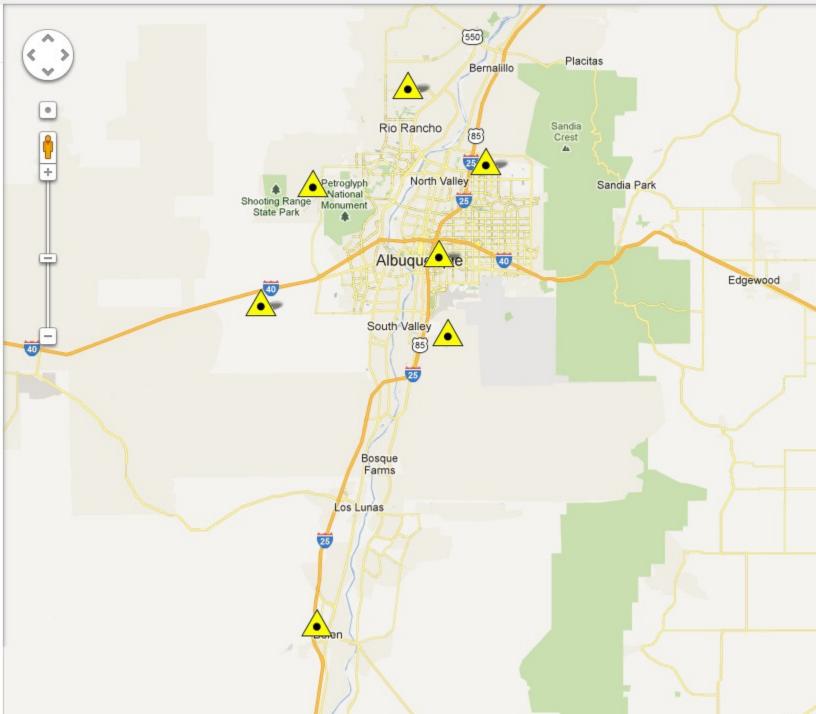
V Long: 106 - 37 - 29 W I tailed Info

V Long: 106 - 02 - 35 W I tailed Info

V Long: 106 - 47 - 32 W I tailed Info

V Long: 106 - 47 - 53 W I tailed Info

l Long: 106 - 36 - 47 W I tailed Info





Questions?

