

Automated Soil Moisture Release Curves

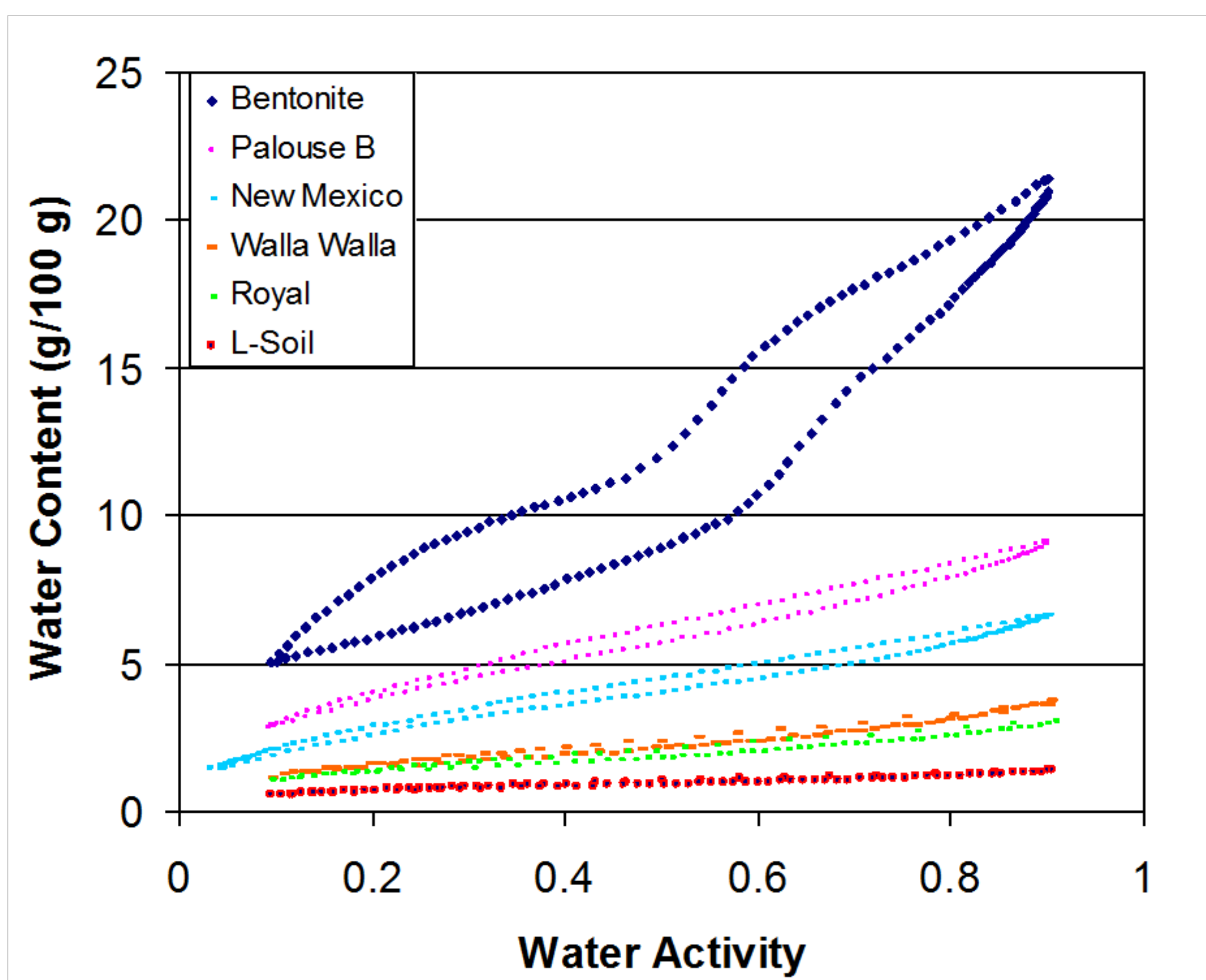


Range: -7MPa to
-500 MPa

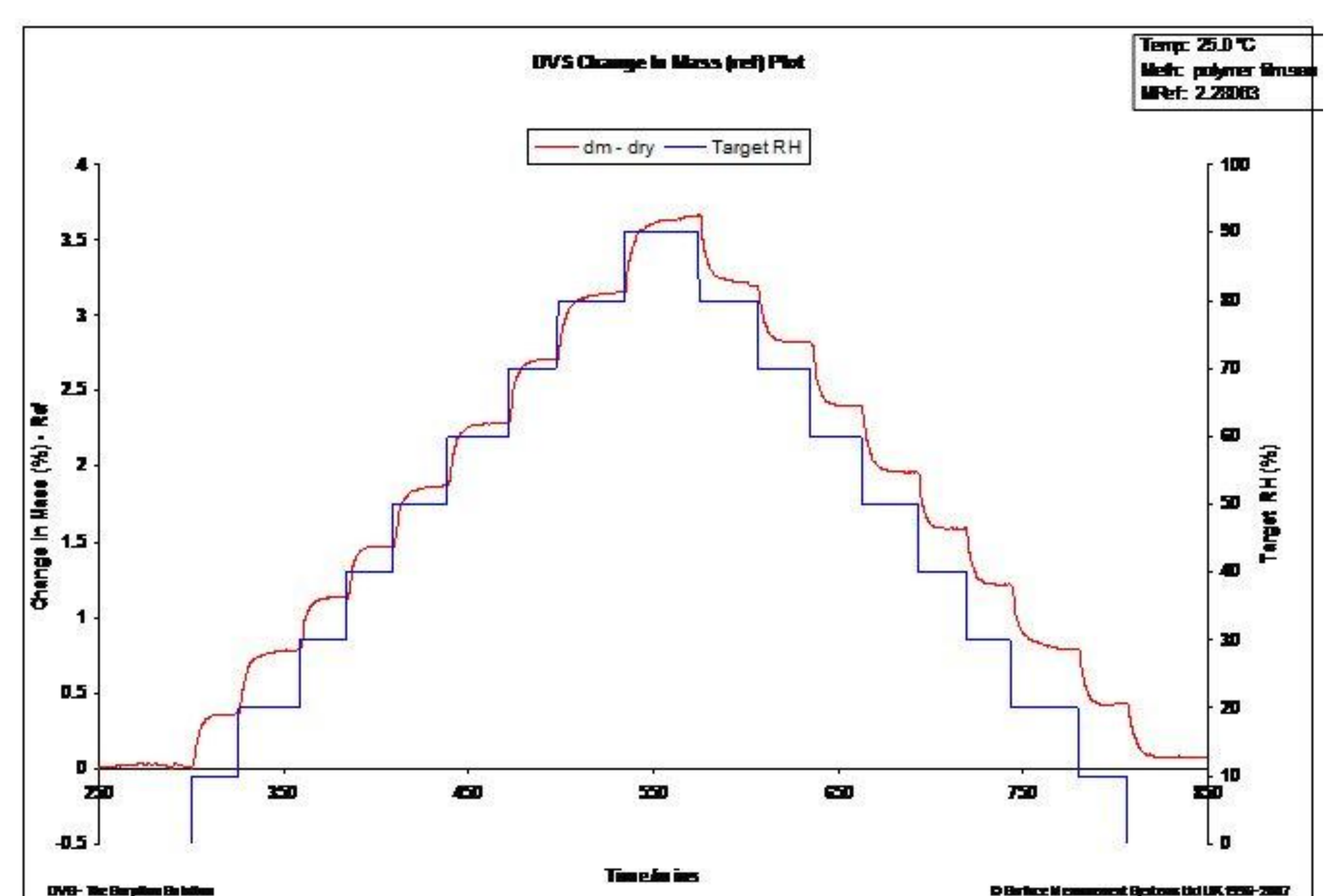
VSA Vapor Sorption Analyzer

The VSA gives a complete adsorption and desorption curve of over 200 data points (hysteresis loop) in less than 48 hours. It uses a balance and a chilled-mirror dewpoint meter to continuously measure water potential and water content.

- Characterize expansive (swelling) soils
- Analyze specific surface area
- Determine cation exchange capacity
- Model gas transport



Dynamic mode: Wets or dries the sample continuously in order to generate both sorption and desorption SWCCs.



Static mode: Holds the sample at a specific water potential level until the soil reaches equilibrium