

Figure 2-1  
Test Case 1 Model Geometry

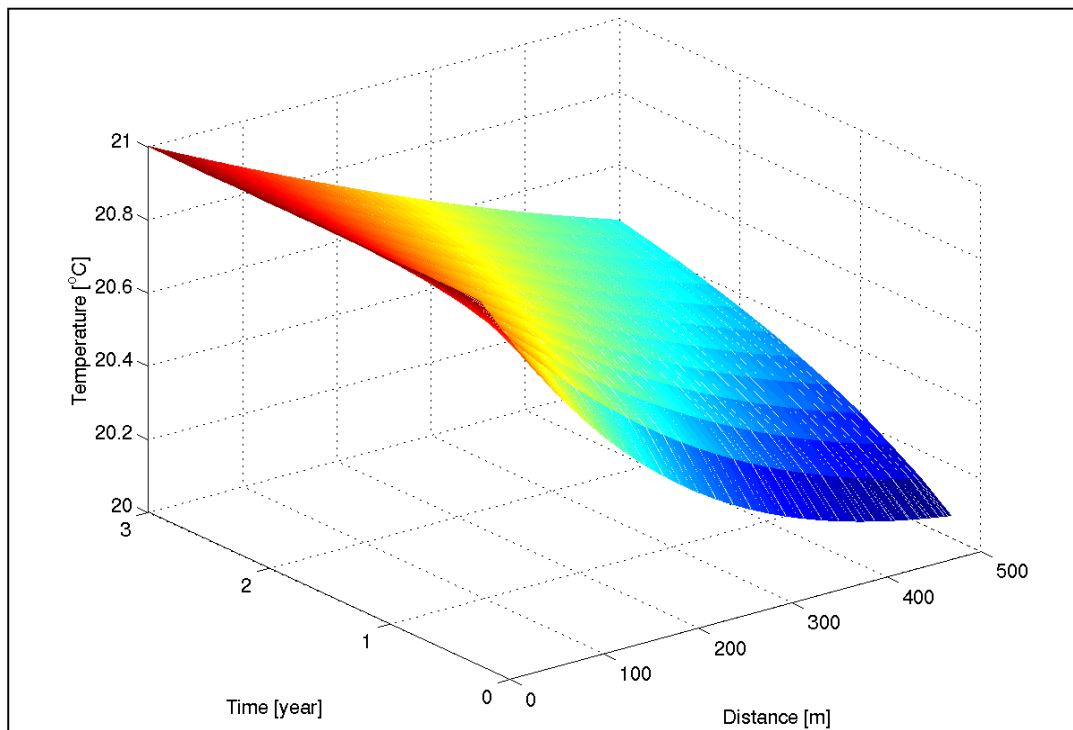


Figure 2-2  
Air Temperature Distribution in Time and Space

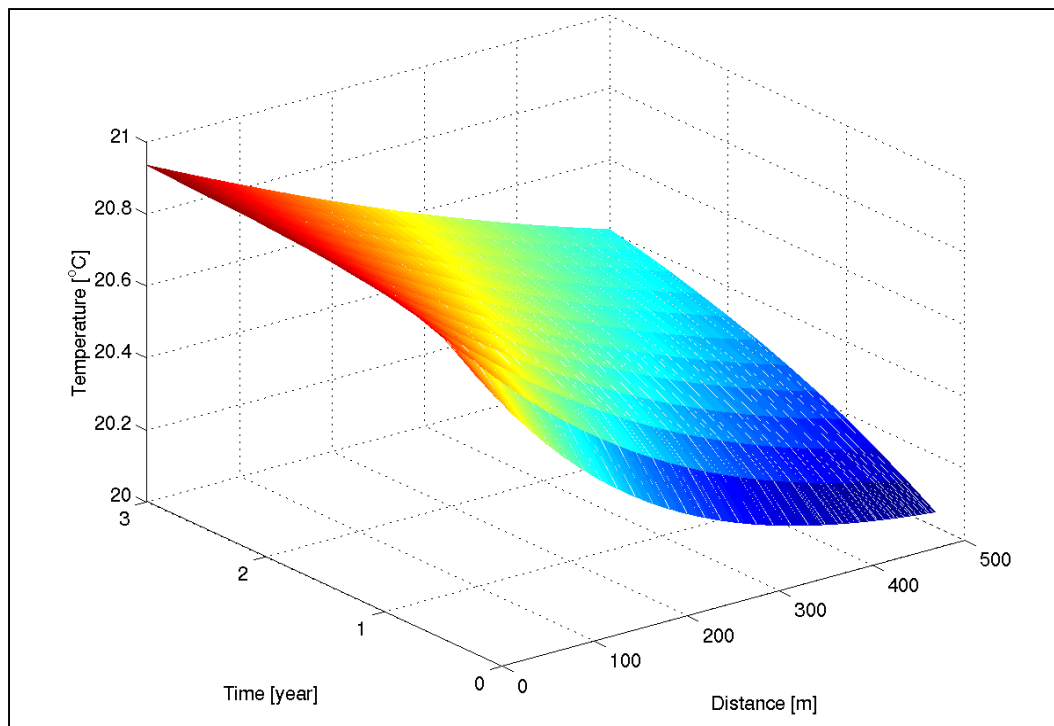


Figure 2-3  
Wall Temperature Distribution in Time and Space

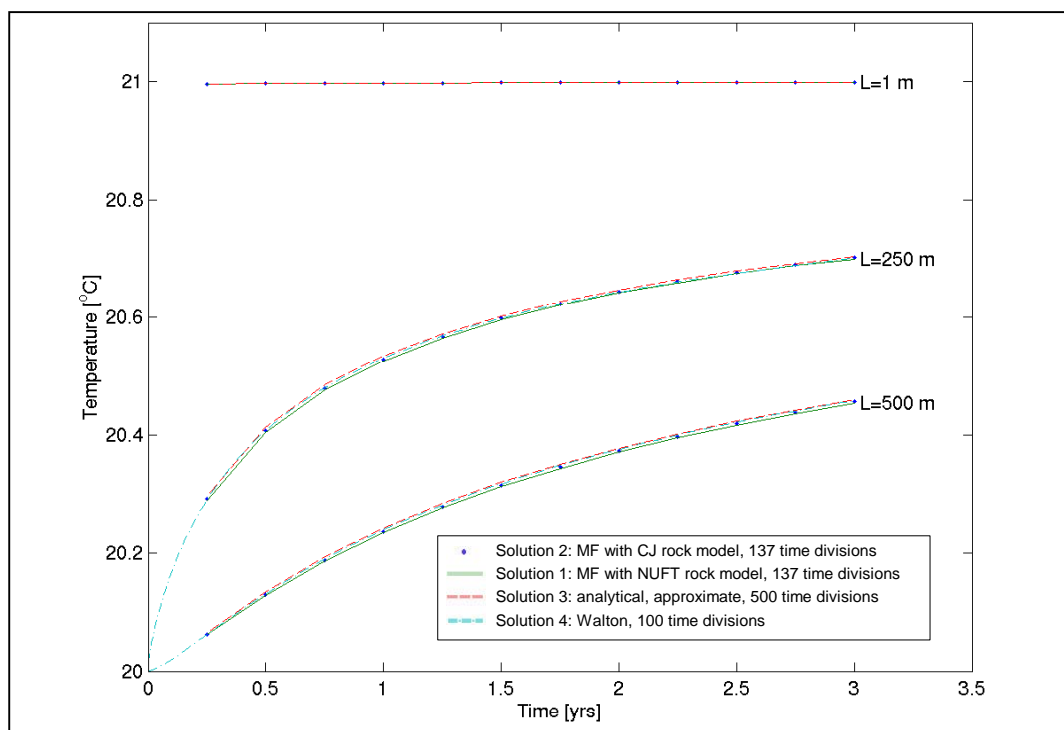


Figure 2-4  
Air Temperature History Comparison for Solutions 1 through 4  
at 1, 250, and 500 Meters along the Airway

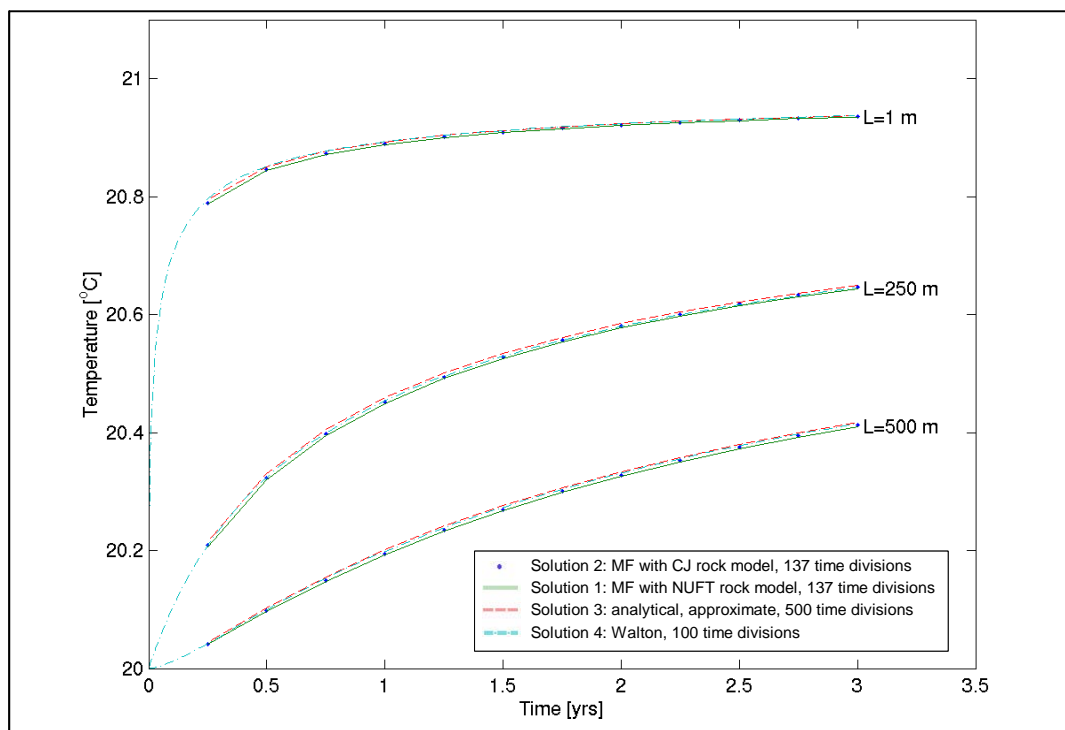


Figure 2-5  
Wall Temperature History Comparison for Solutions 1 through 4  
at 1, 250, and 500 Meters along the Airway

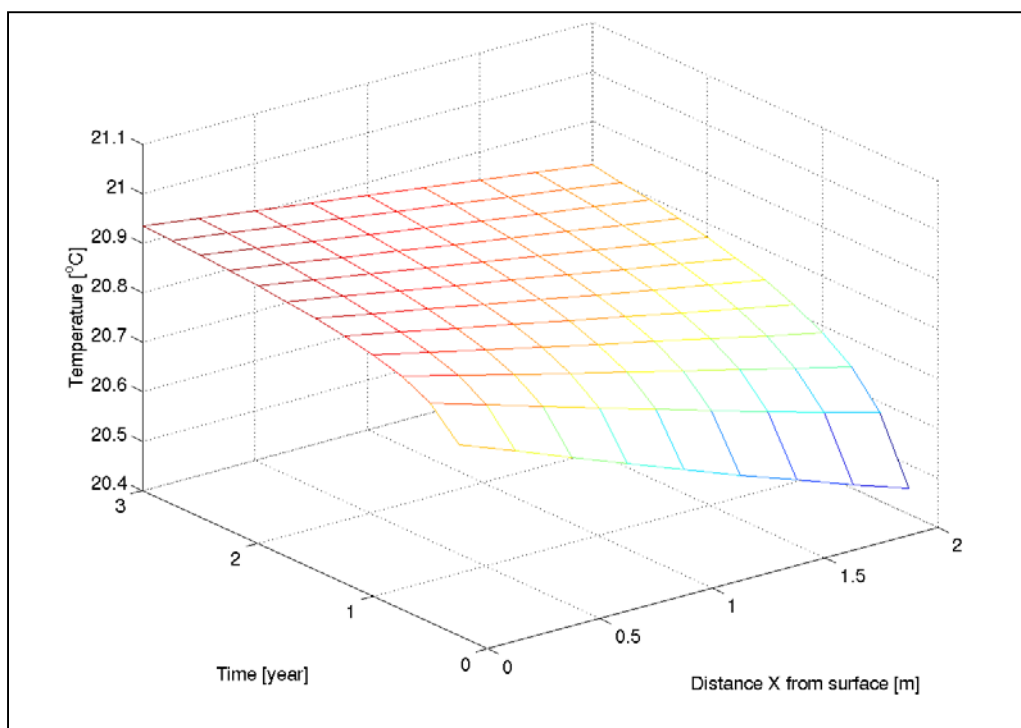


Figure 2-6  
Three-Dimensional Representation of Rock Temperature Distribution with Time  
at  $y = 1$  Meter along the Airway

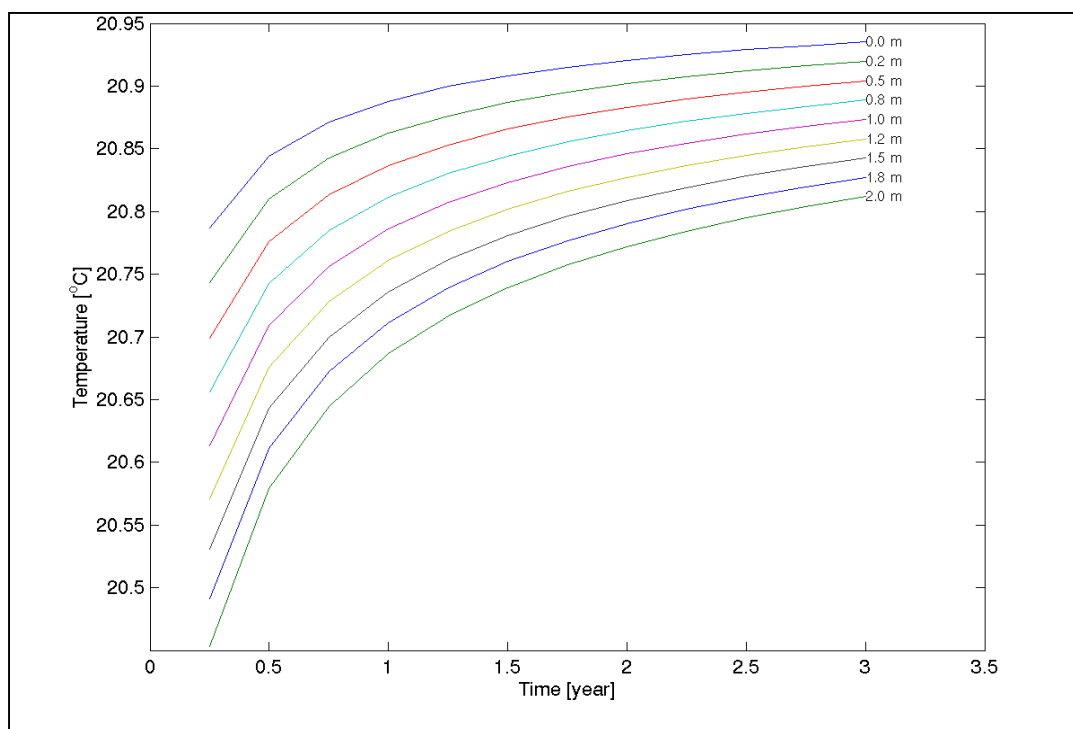


Figure 2-7  
Two-Dimensional Representation of Rock Temperature Distribution with Time  
at  $y = 1$  Meter along the Airway

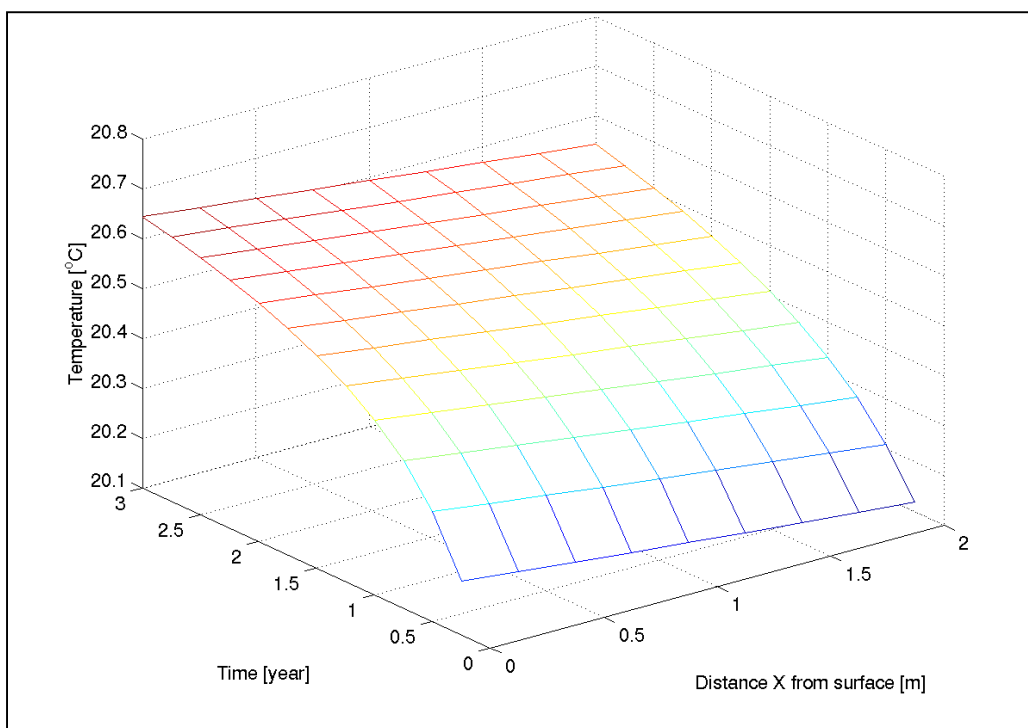


Figure 2-8  
Three-Dimensional Representation of Rock Temperature Distribution with Time  
at  $y = 250$  Meters along the Airway

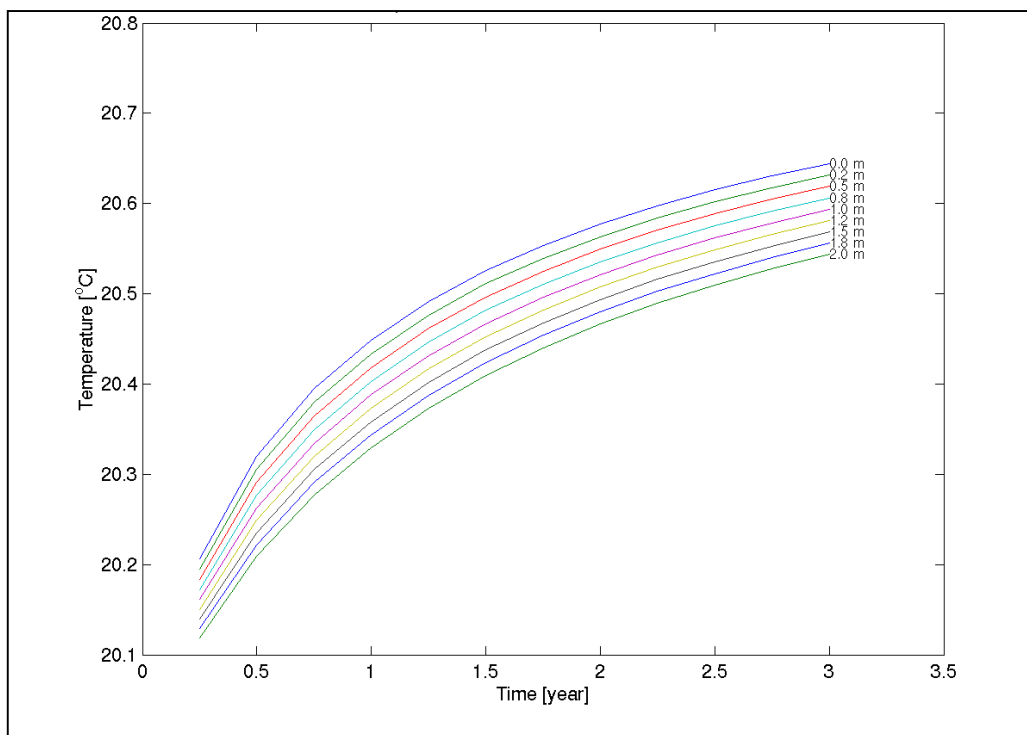


Figure 2-9  
Two-Dimensional Representation of Rock Temperature Distribution with Time  
at  $y = 250$  Meters along the Airway

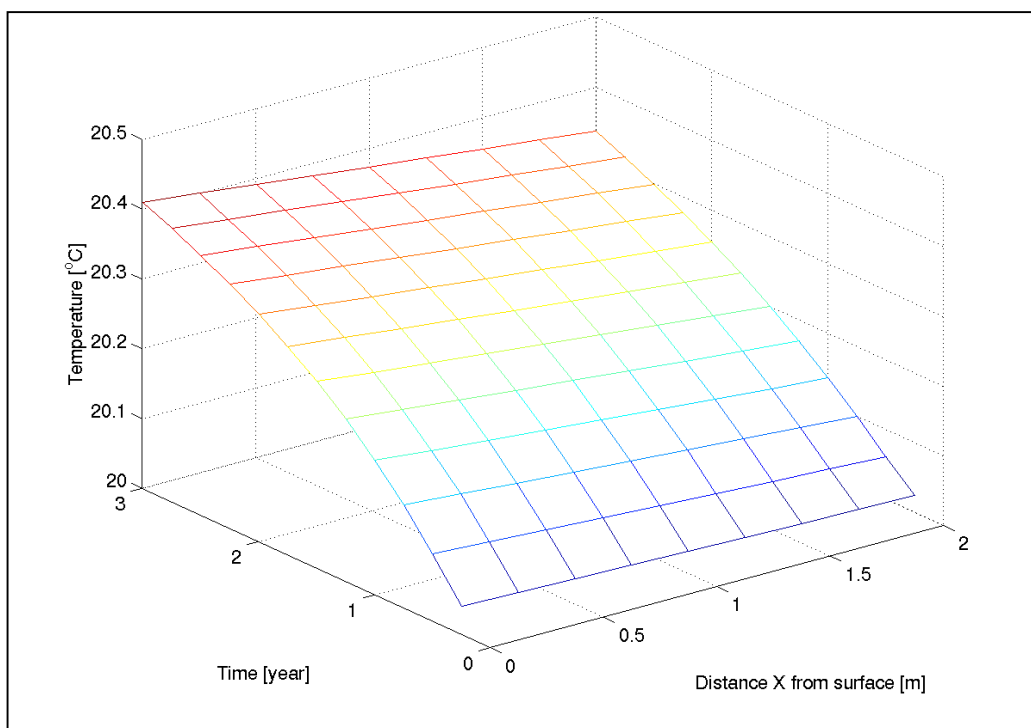


Figure 2-10  
Three-Dimensional Representation of Rock Temperature Distribution with Time  
at  $y = 500$  Meters along the Airway

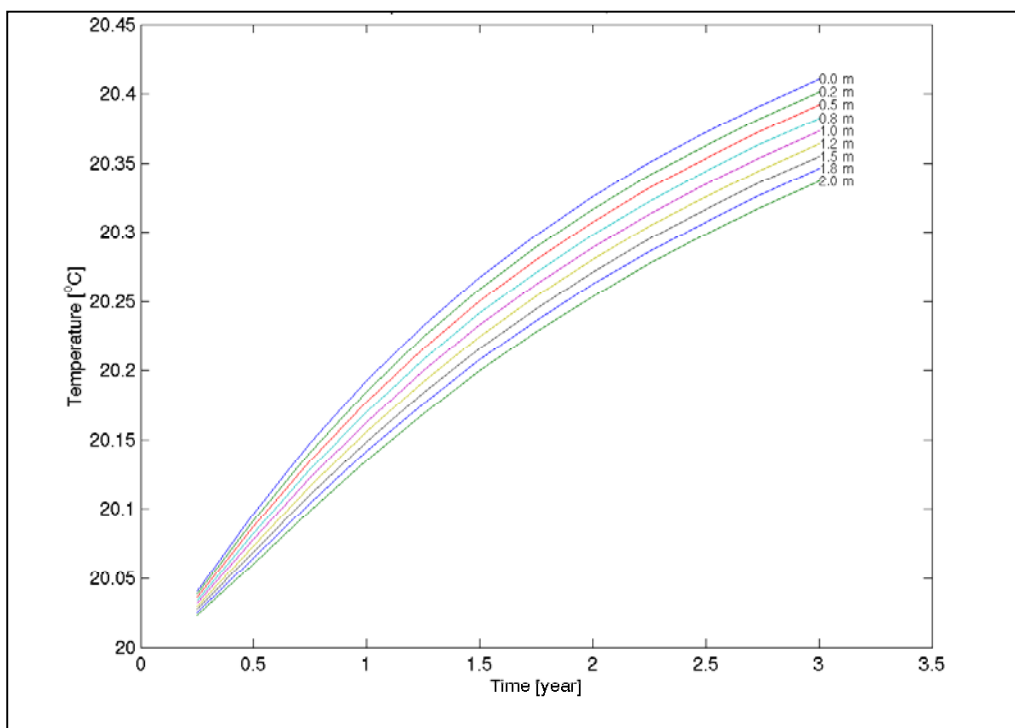


Figure 2-11  
Two-Dimensional Representation of Rock Temperature Distribution with Time  
at  $y = 500$  Meters along the Airway

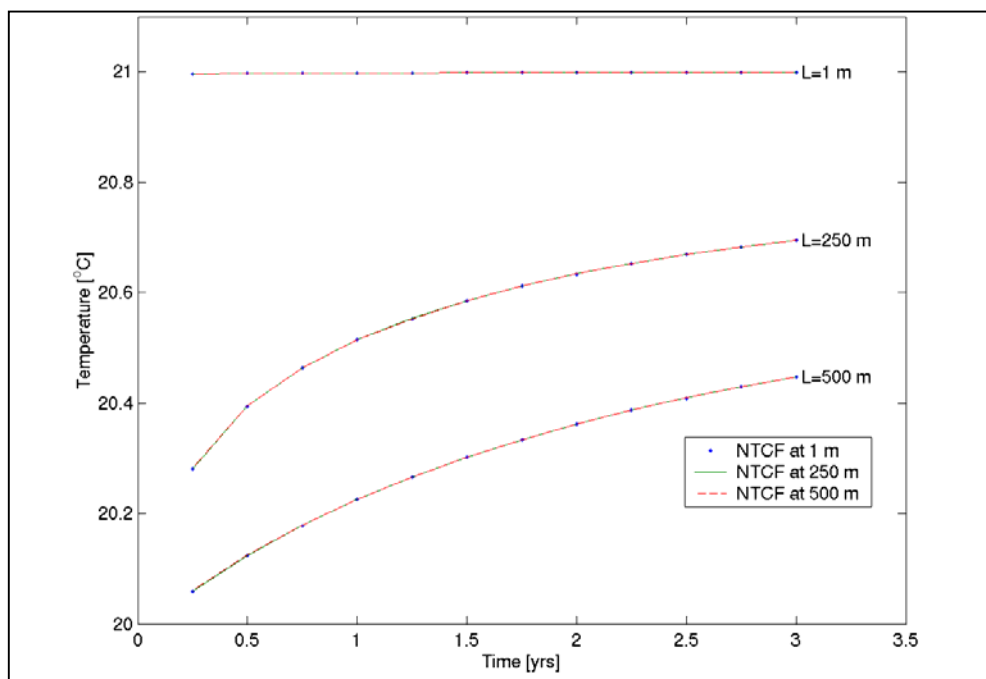


Figure 2-12  
Air Temperature History Comparison at 500 Meters  
(NTCF Rock Model in MF Obtained Using Wall Temperature Variations  
at  $y = 1, 250$ , and 500 Meters along the Airway)

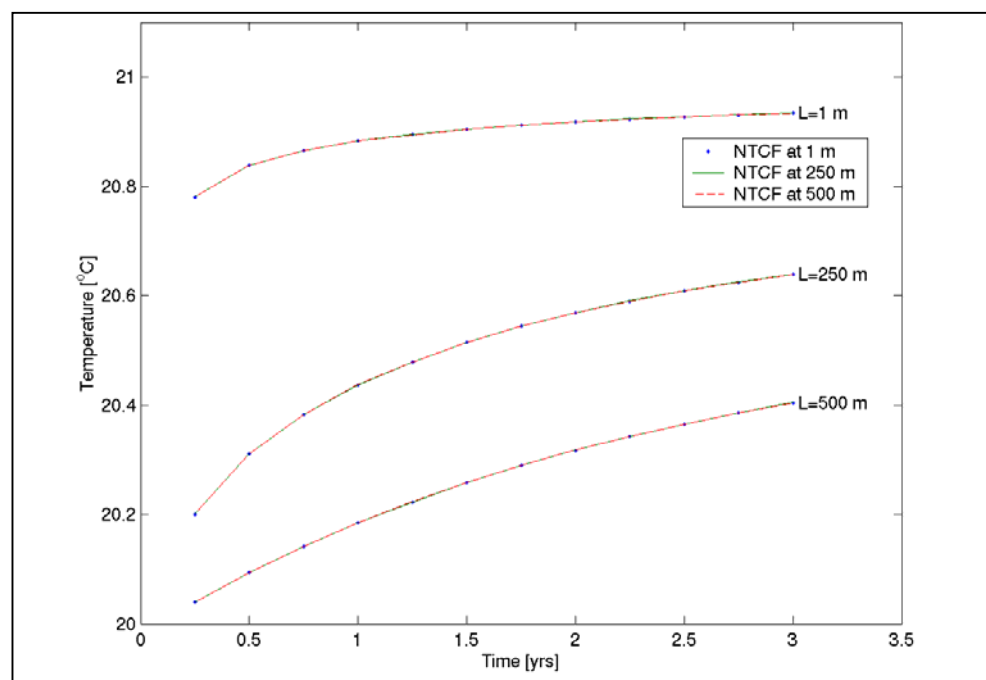


Figure 2-13  
Rock Wall Temperature History Comparison at 500 m Distance  
(NTCF Rock Model in MF Obtained Using Wall Temperature Variations  
at  $y = 1, 250$ , and 500 Meters along the Airway)

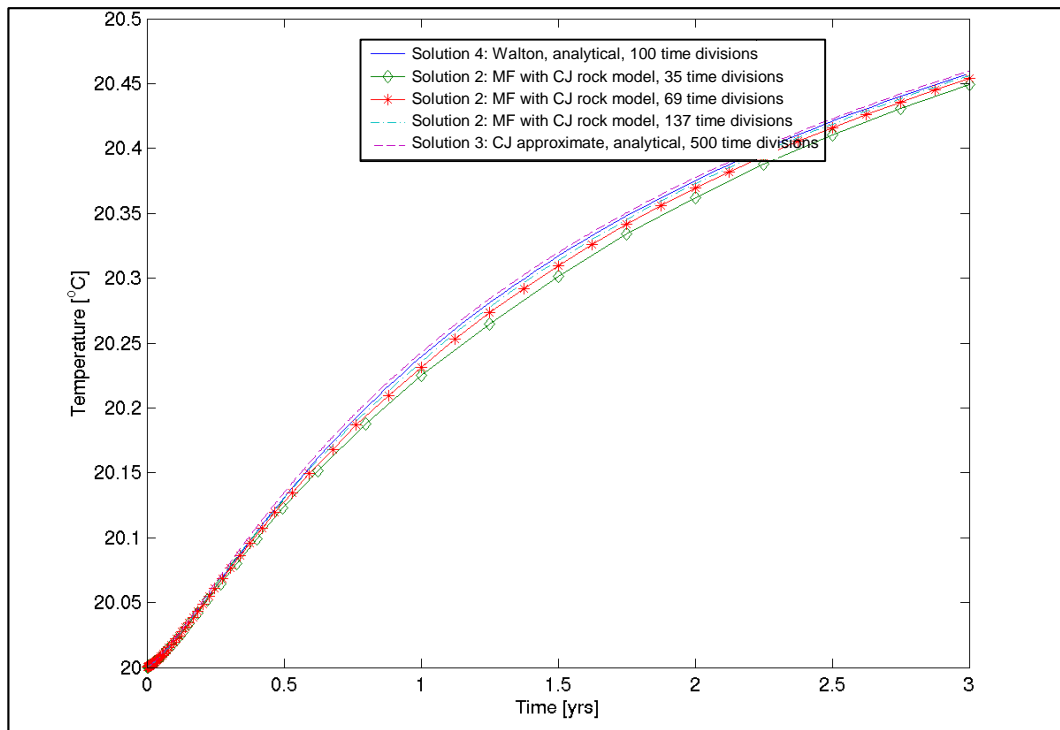


Figure 2-14  
Effect of the Number of Time Divisions in Solution 2 on the Air Temperature  
at  $y = 500$  Meters Compared with Solutions 3 and 4



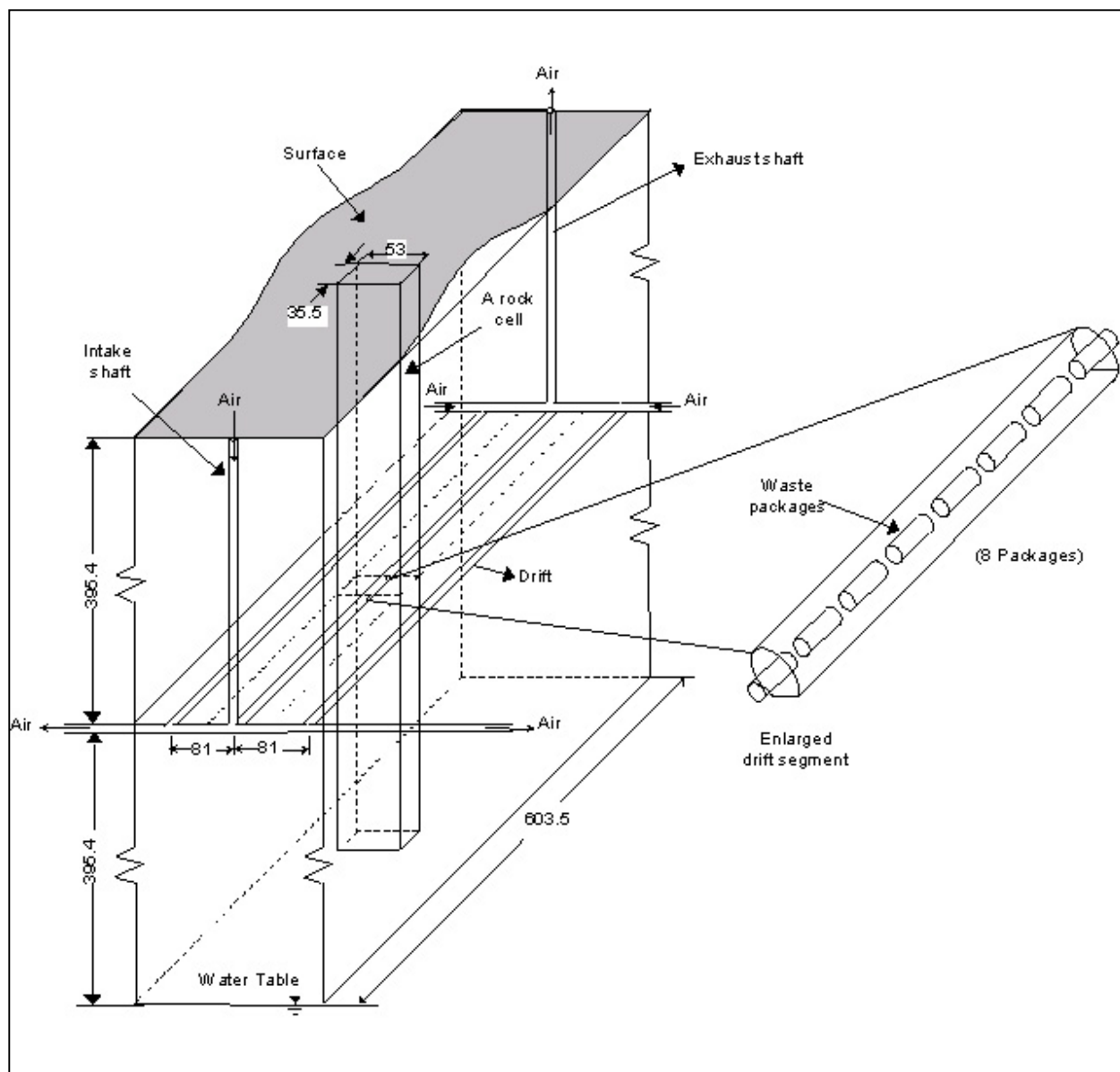


Figure 3-1

Three-Drift Section of Emplacement Panel of 26 Drifts with Peripheral Tunnels, Intake and Exhaust Shafts, and Surrounding Rockmass (Waste Packages Shown in Rock Cell Repeated 17 Times along the Drift)

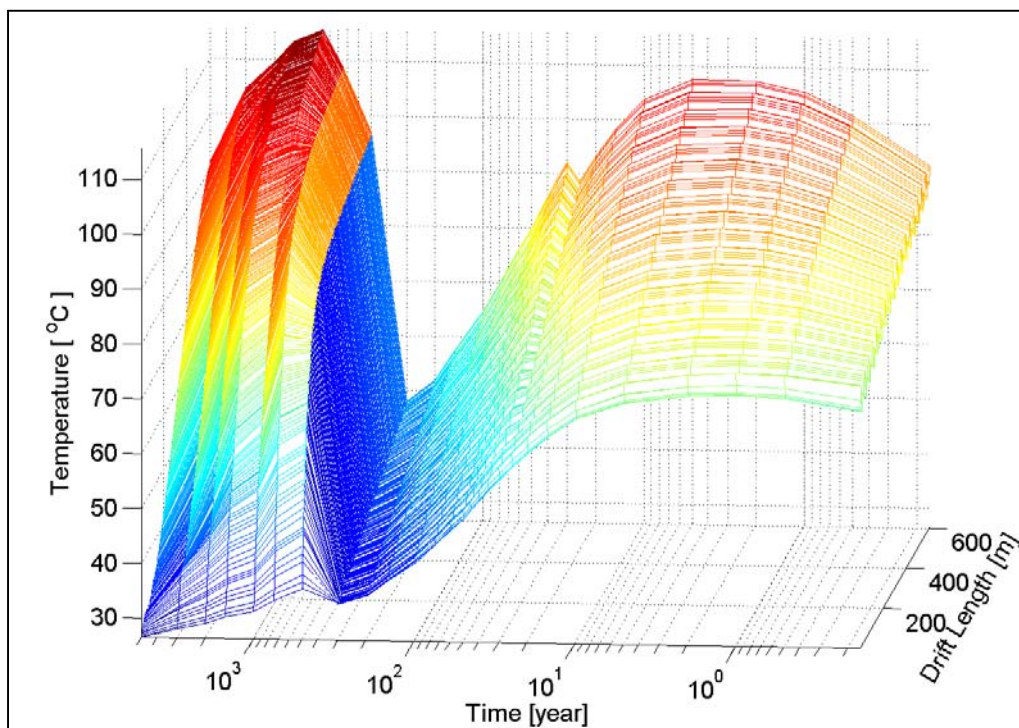


Figure 3-2  
Distributions in Time and Space for Waste Package Temperature

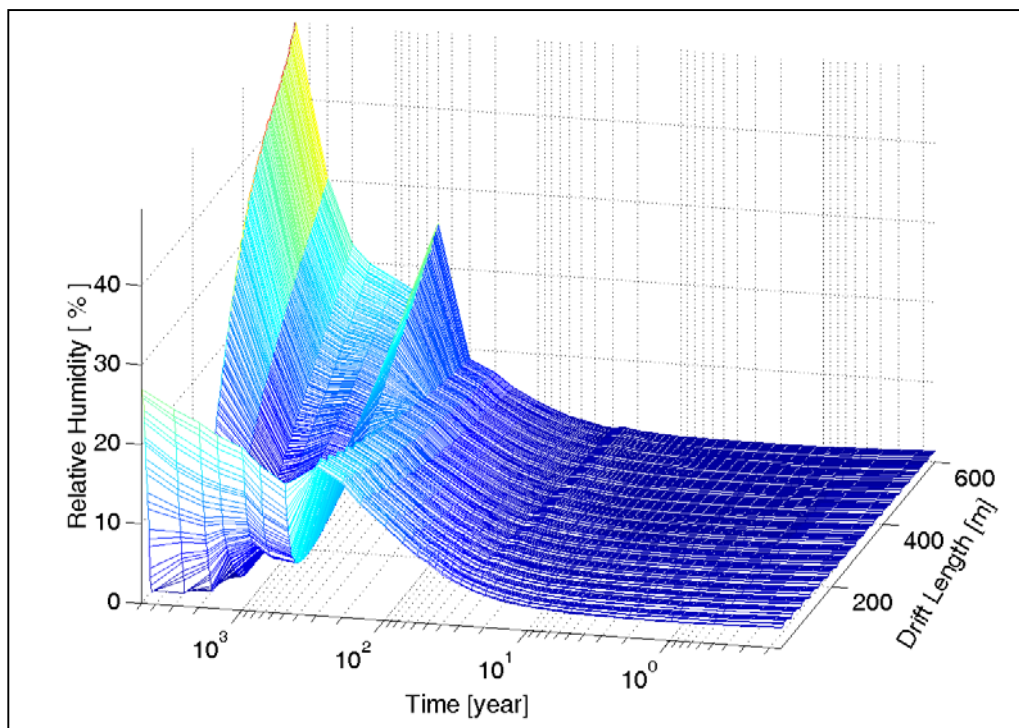


Figure 3-3  
Distributions in Time and Space for Waste Package Relative Humidity

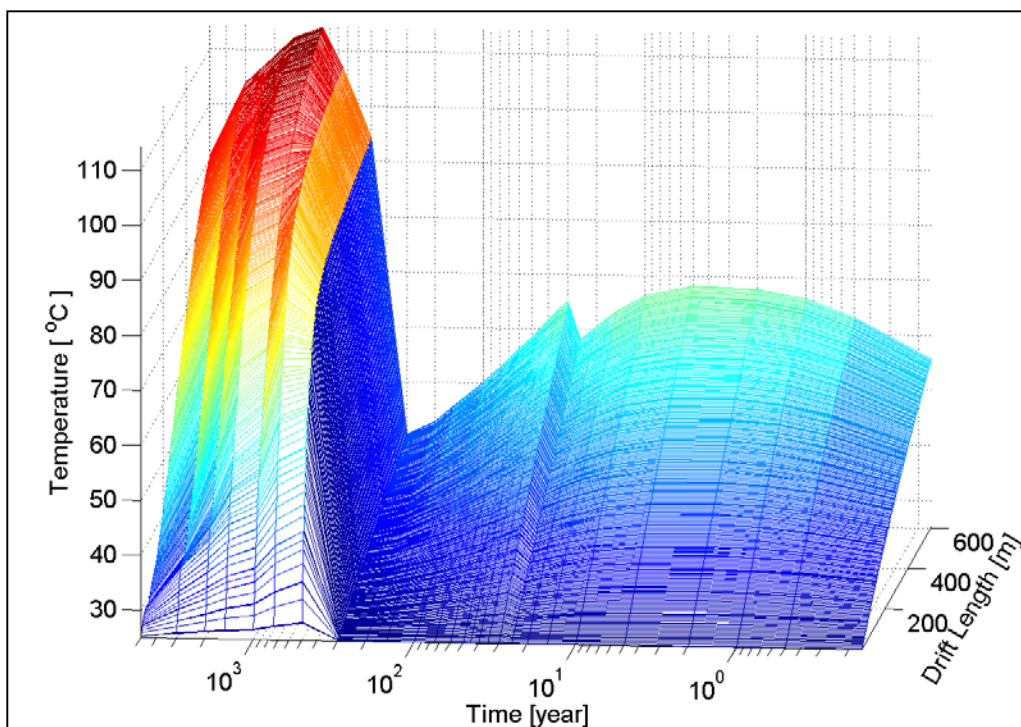


Figure 3-4  
Distributions in Time and Space for Air Temperature

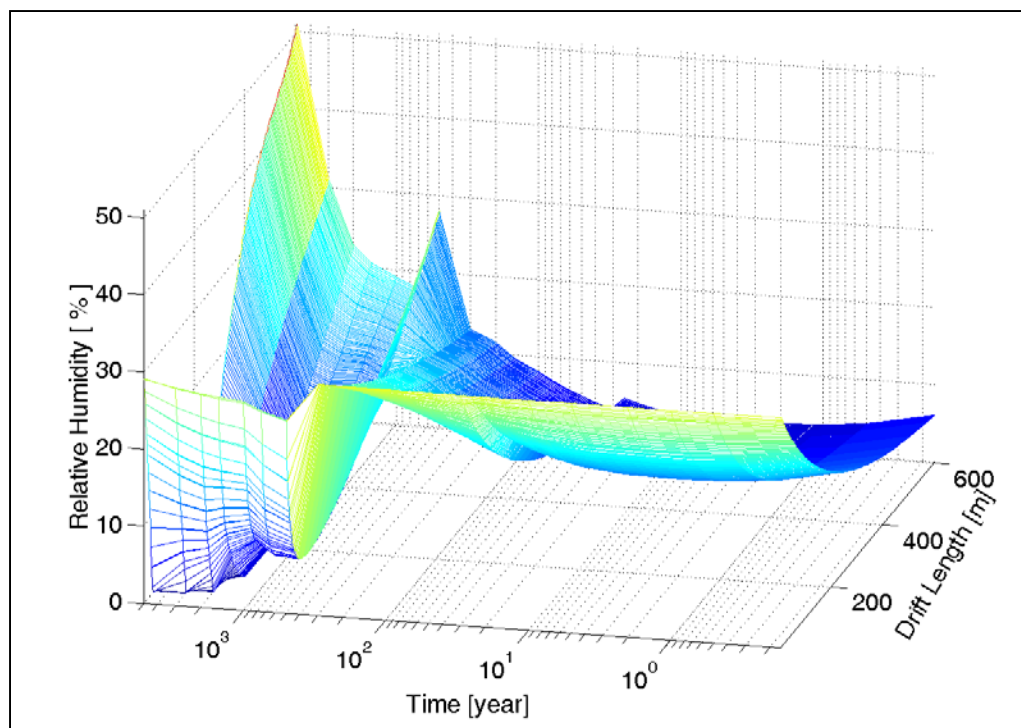


Figure 3-5  
Distributions in Time and Space for Air Relative Humidity



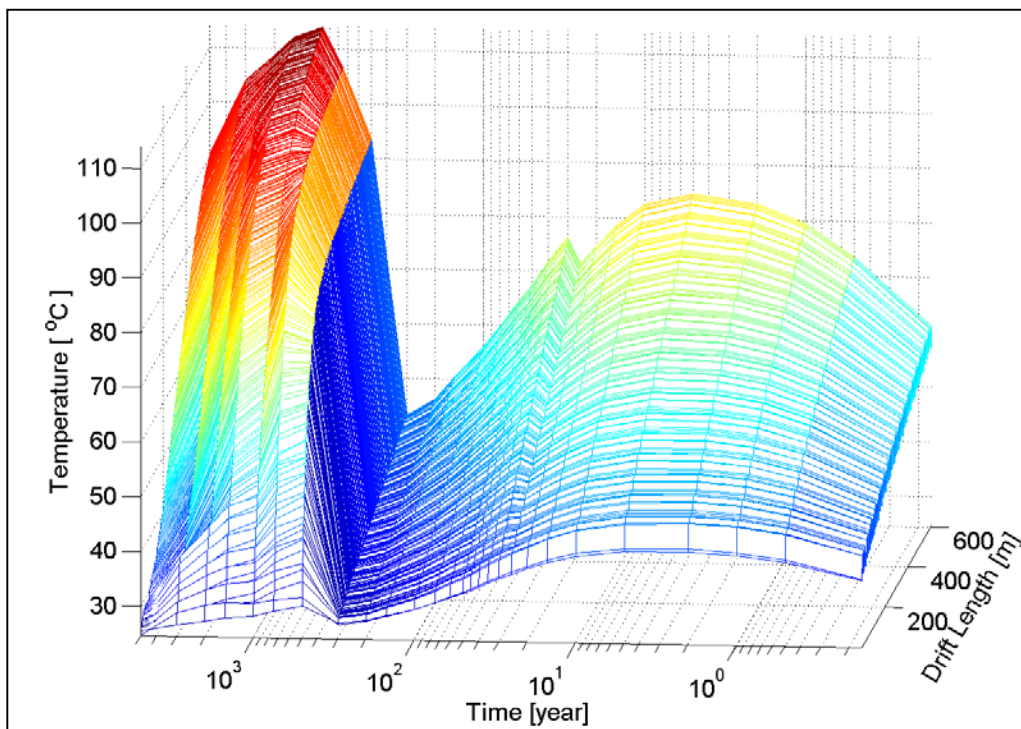


Figure 3-6  
Distributions in Time and Space for Wall Temperature

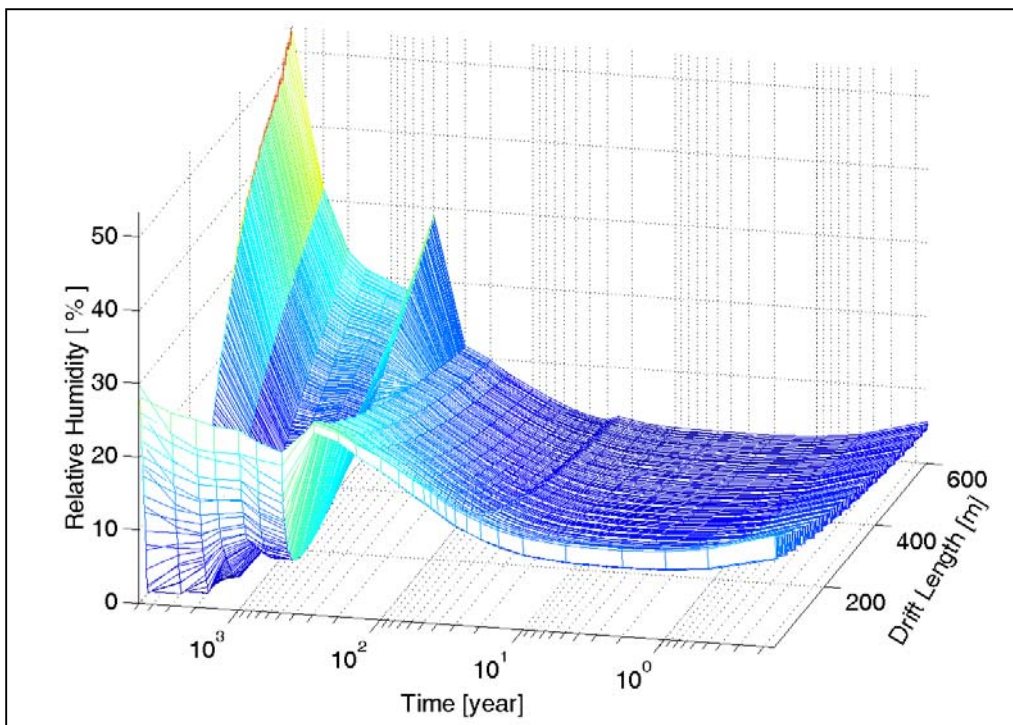


Figure 3-7  
Distributions in Time and Space for Wall Relative Humidity

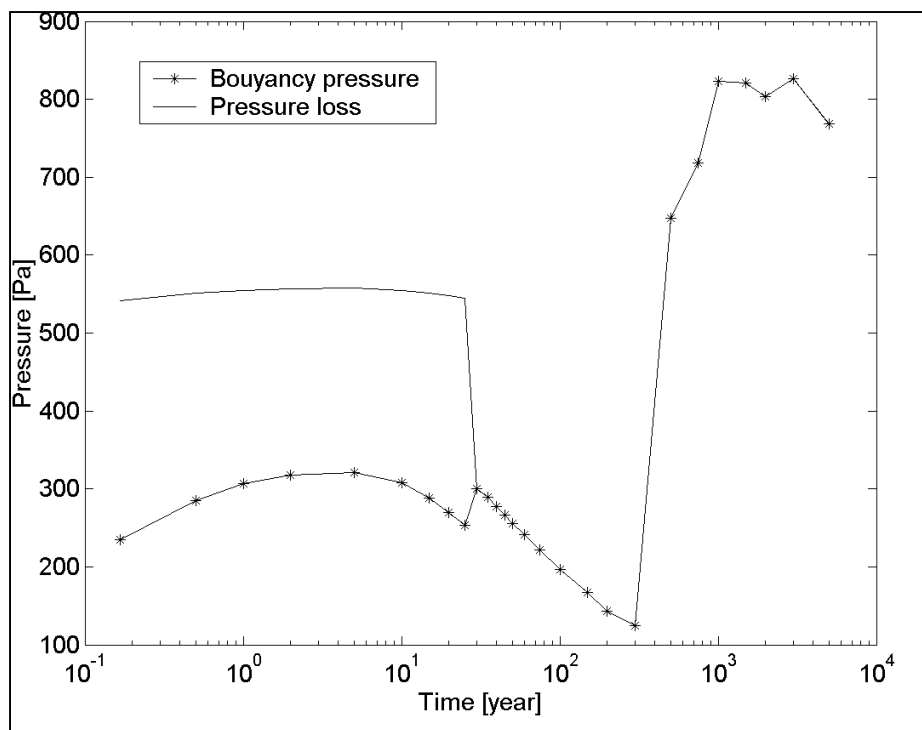


Figure 3-8  
Balanced Total Pressure Loss and Buoyancy Pressure Difference as a Function of Time

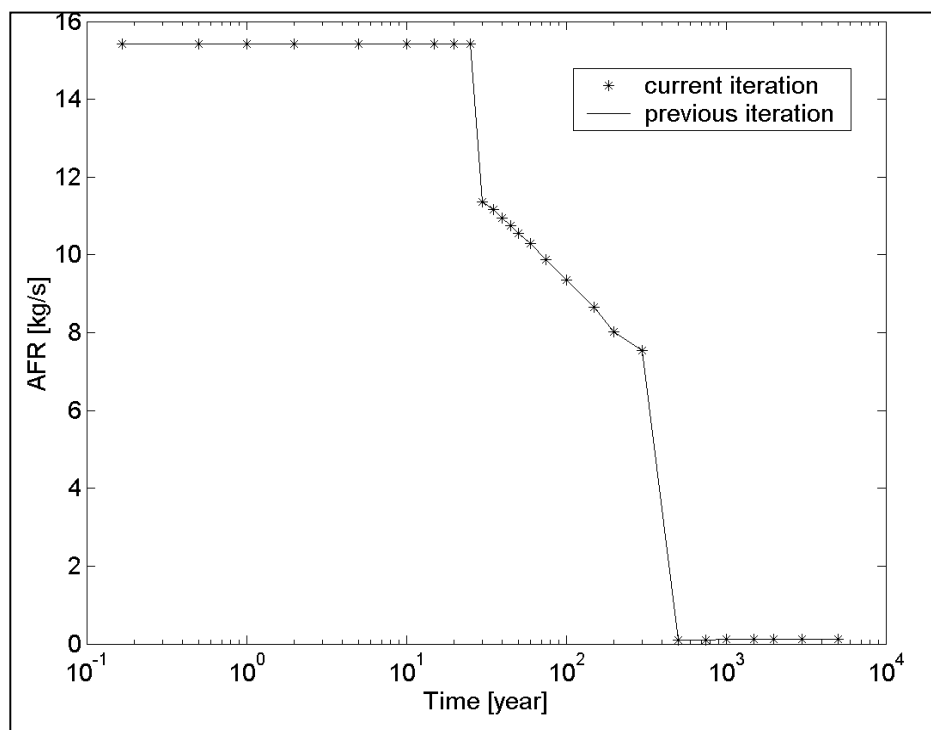


Figure 3-9  
Balanced Air Flow Rate in the Emplacement Drift as a Function of Time

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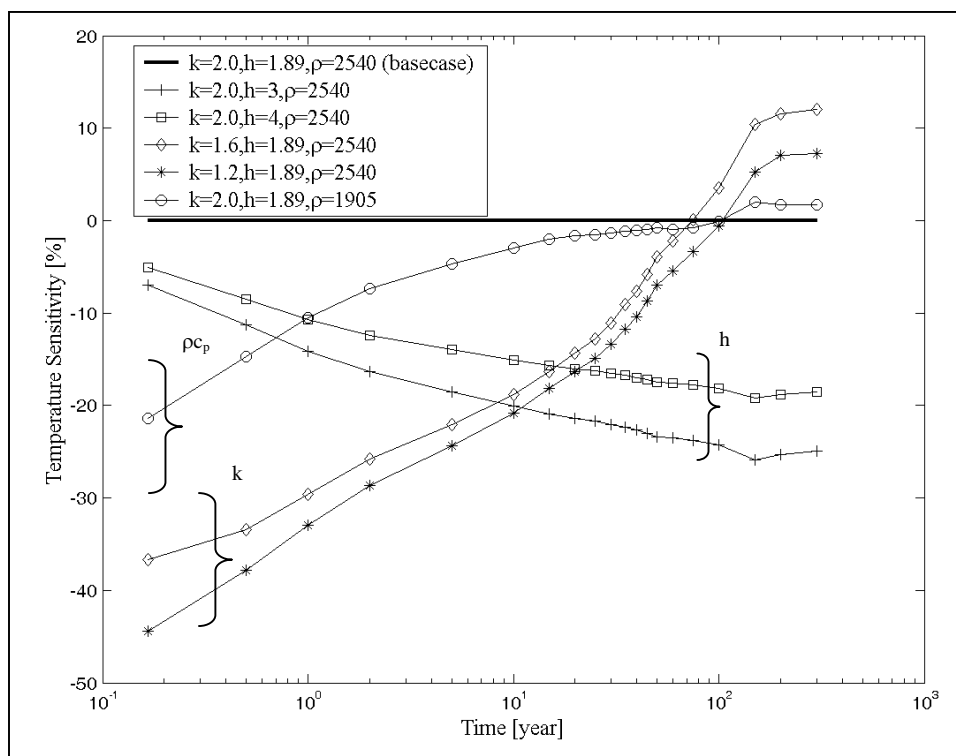


Figure 4-1  
Sensitivity Results for Wall Temperature  
(Airflow Rate of 15 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

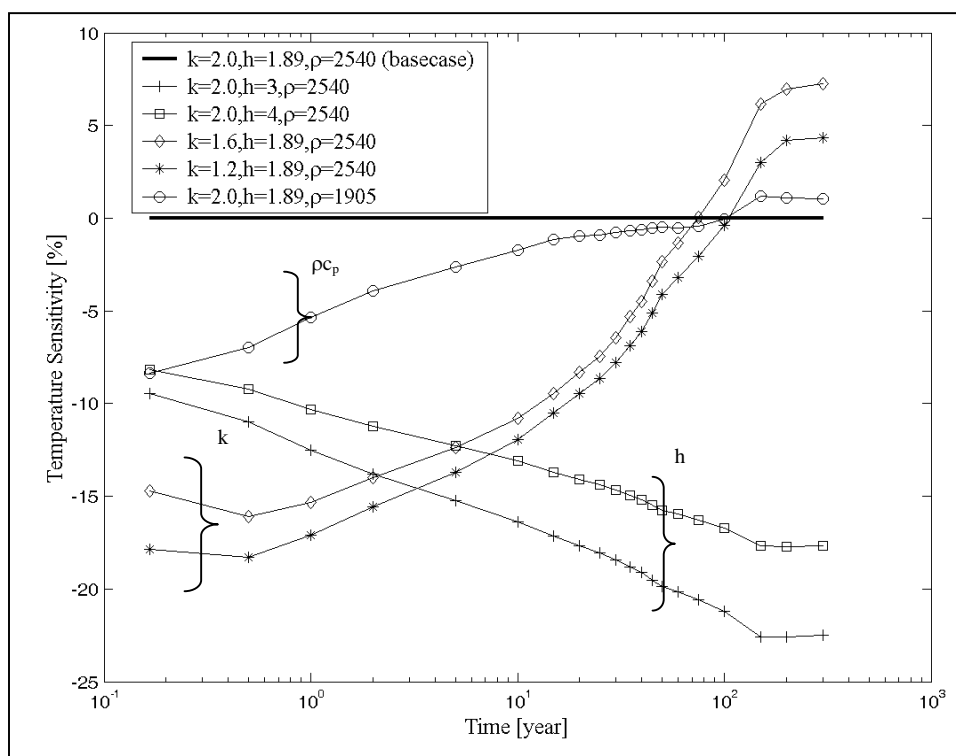


Figure 4-2  
Sensitivity Results for Container Temperature  
(Airflow Rate of 15 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

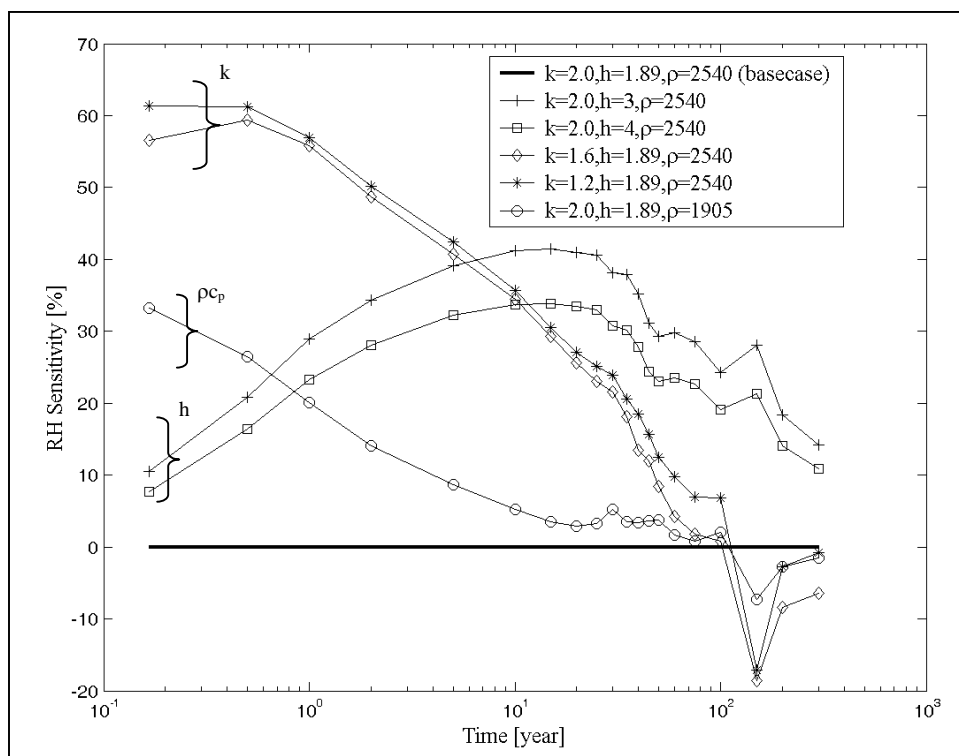


Figure 4-3  
Sensitivity Results for Wall Relative Humidity  
(Airflow Rate of 15 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

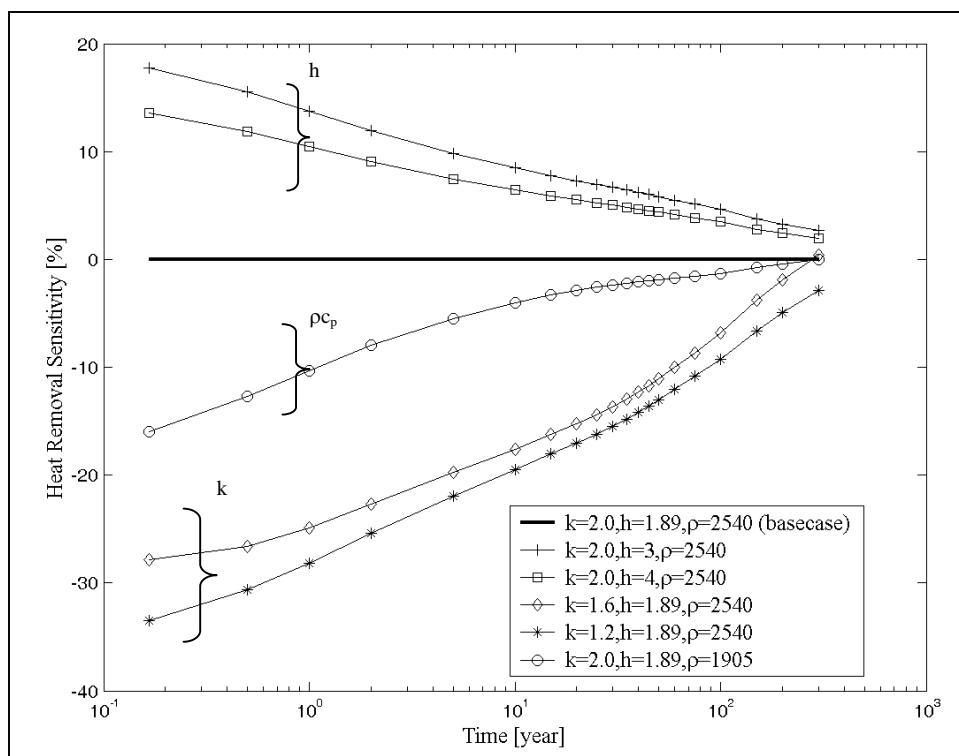


Figure 4-4  
Sensitivity Results for Cumulative Heat Removal  
(Airflow Rate of 15 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])



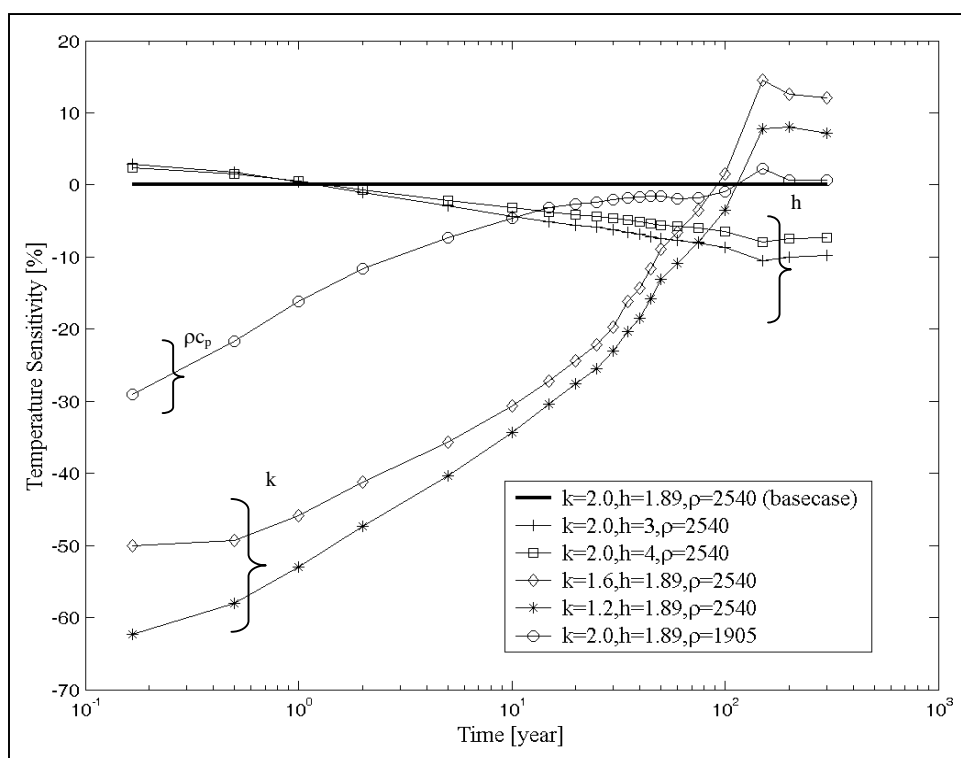


Figure 4-5  
Sensitivity Results for Wall Temperature  
(Airflow Rate of 5 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

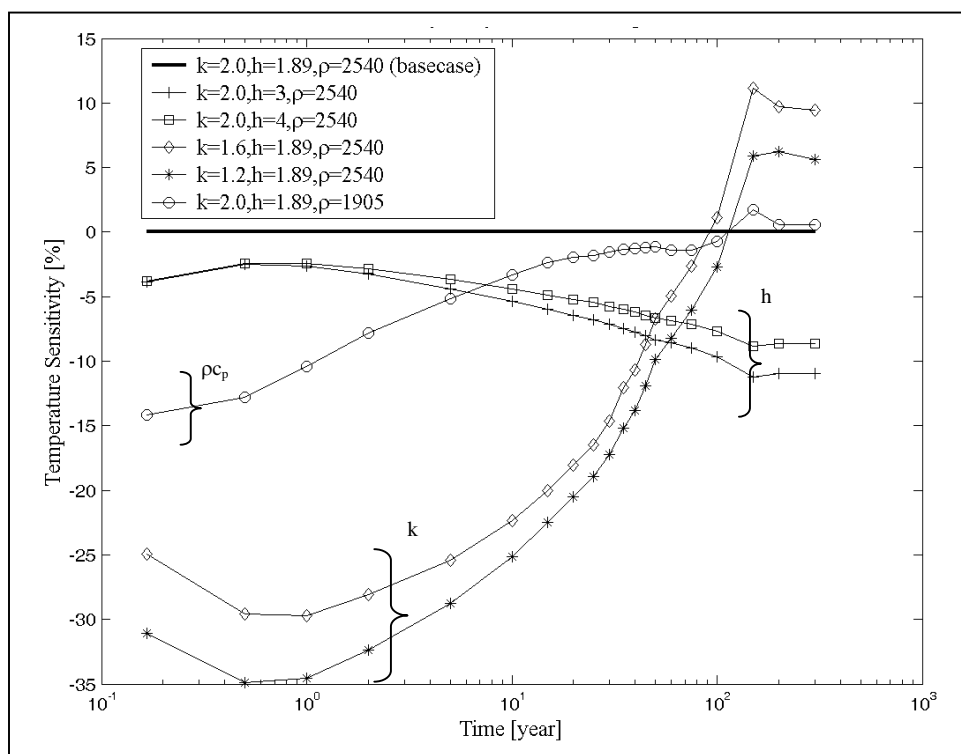


Figure 4-6  
Sensitivity Results for Container Temperature  
(Airflow Rate of 5 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

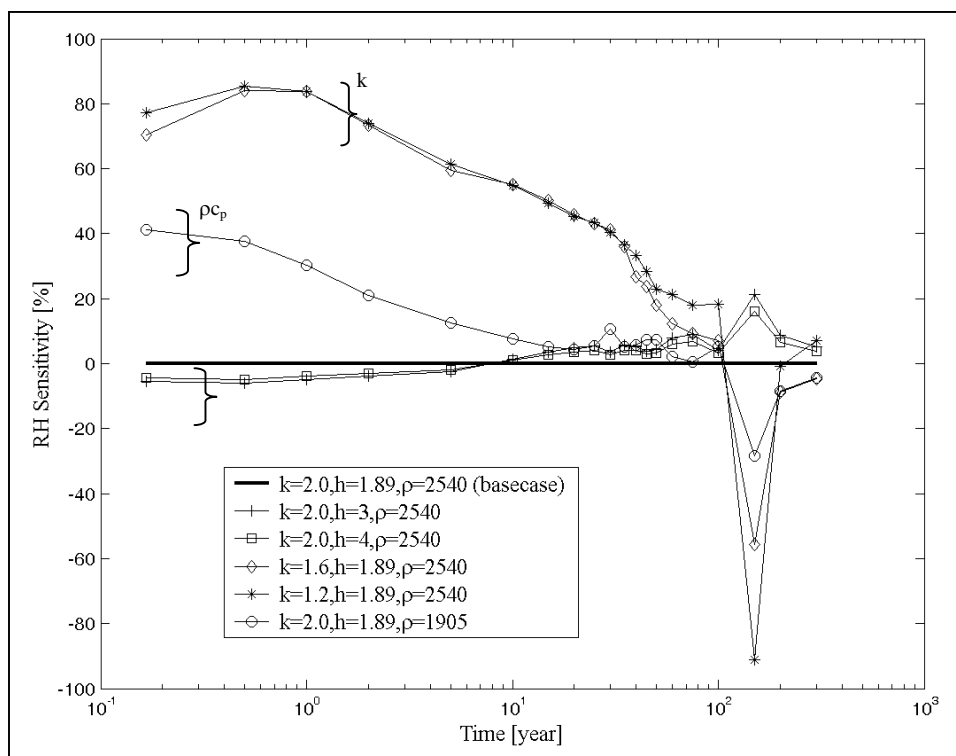


Figure 4-7  
Sensitivity Results for Wall Relative Humidity  
(Airflow Rate of 5 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

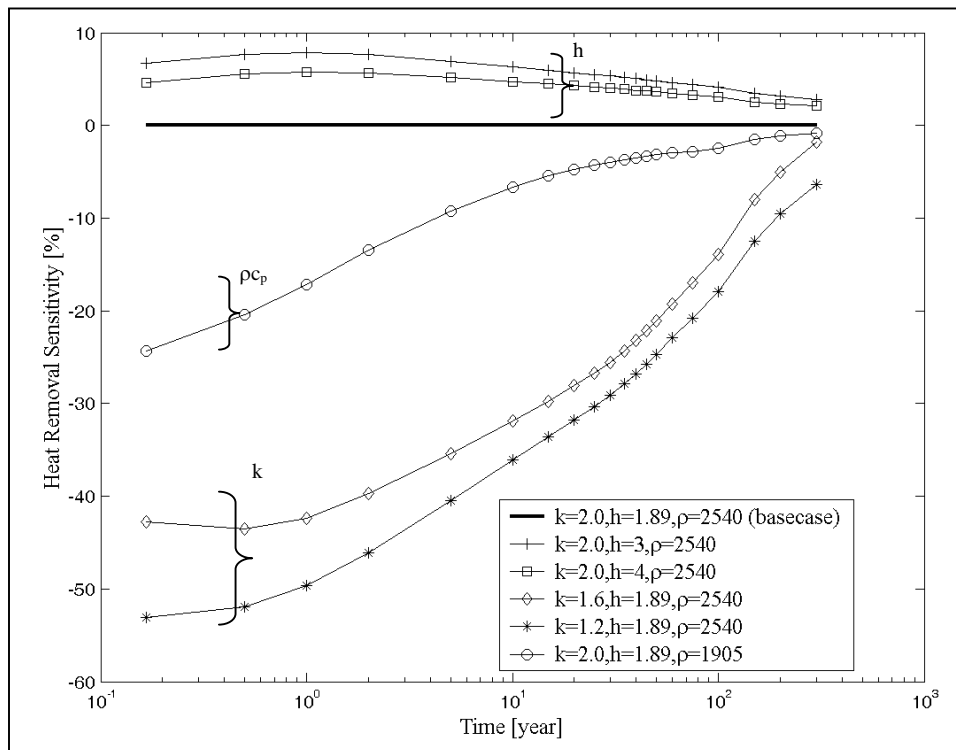


Figure 4-8  
Sensitivity Results for Cumulative Heat Removal  
(Airflow Rate of 5 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

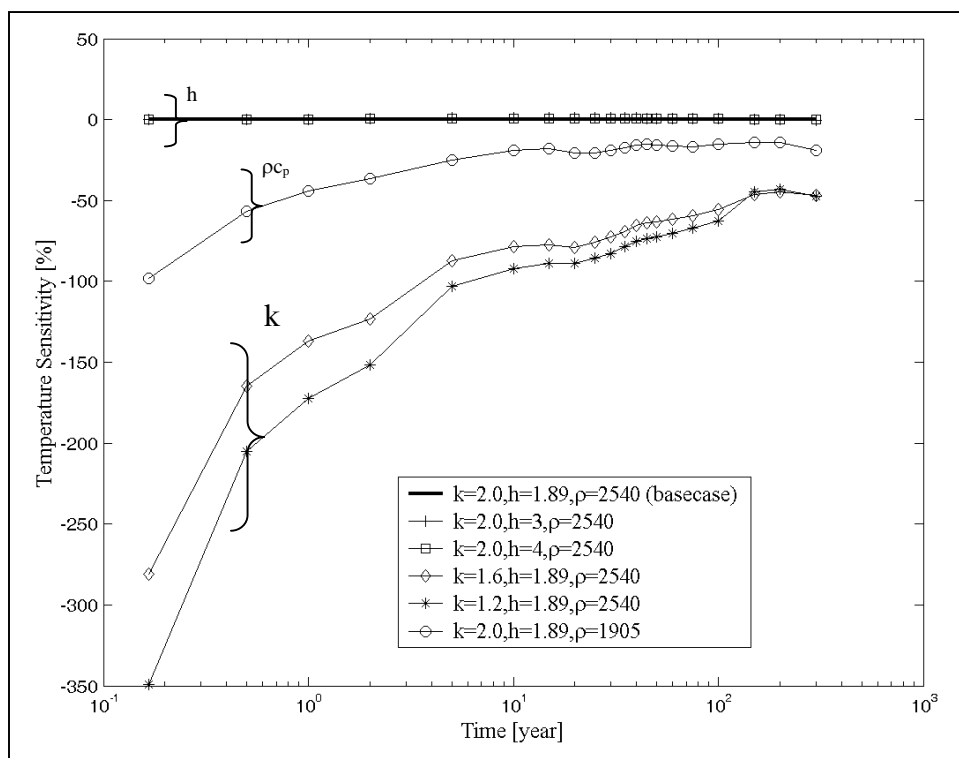


Figure 4-9  
Sensitivity Results for Wall Temperature  
(Airflow Rate of 1 Cubic Meter per Second [ $\text{m}^3/\text{s}$ ])

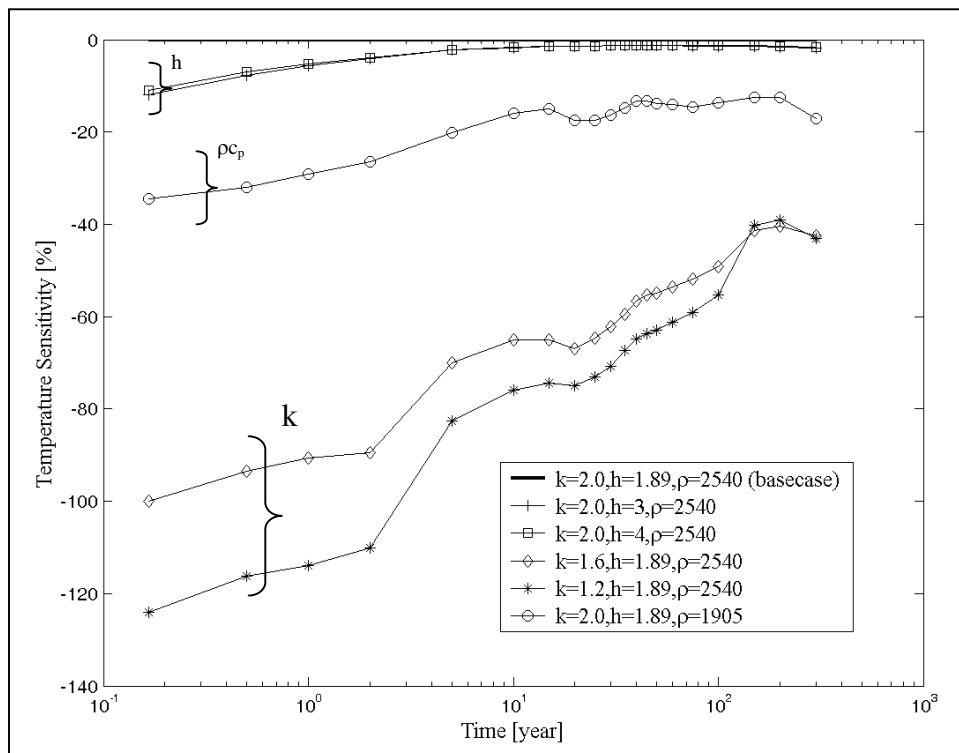


Figure 4-10  
Sensitivity Results for Container Temperature  
(Airflow Rate of 1 Cubic Meter per Second [ $\text{m}^3/\text{s}$ ])

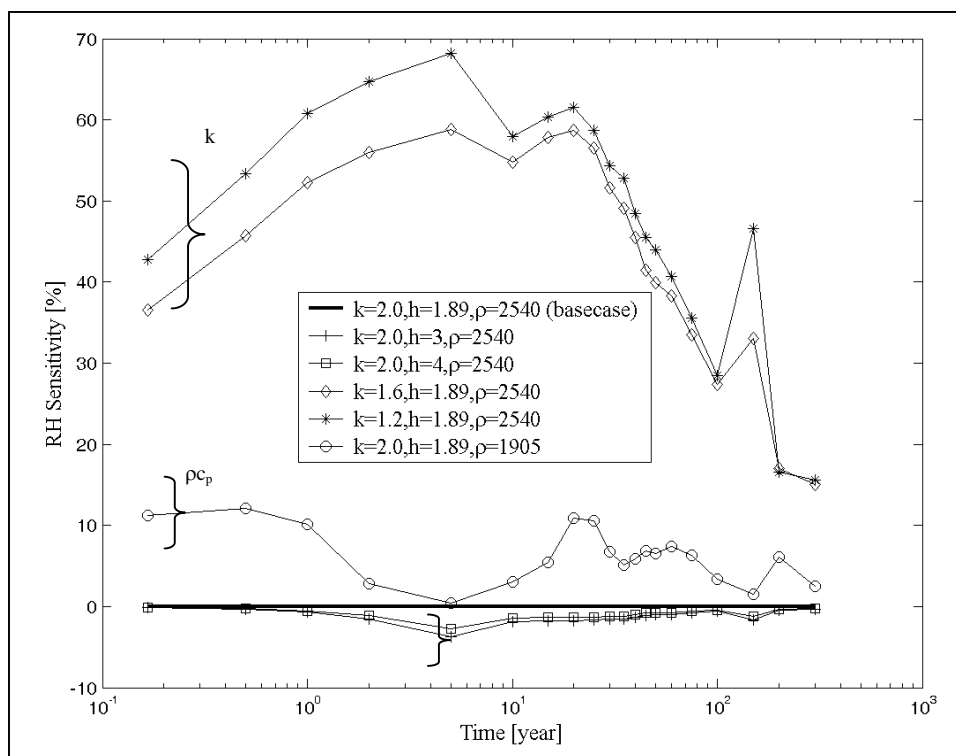


Figure 4-11  
Sensitivity Results for Wall Relative Humidity  
(Airflow Rate of 1 Cubic Meter per Second [ $\text{m}^3/\text{s}$ ])

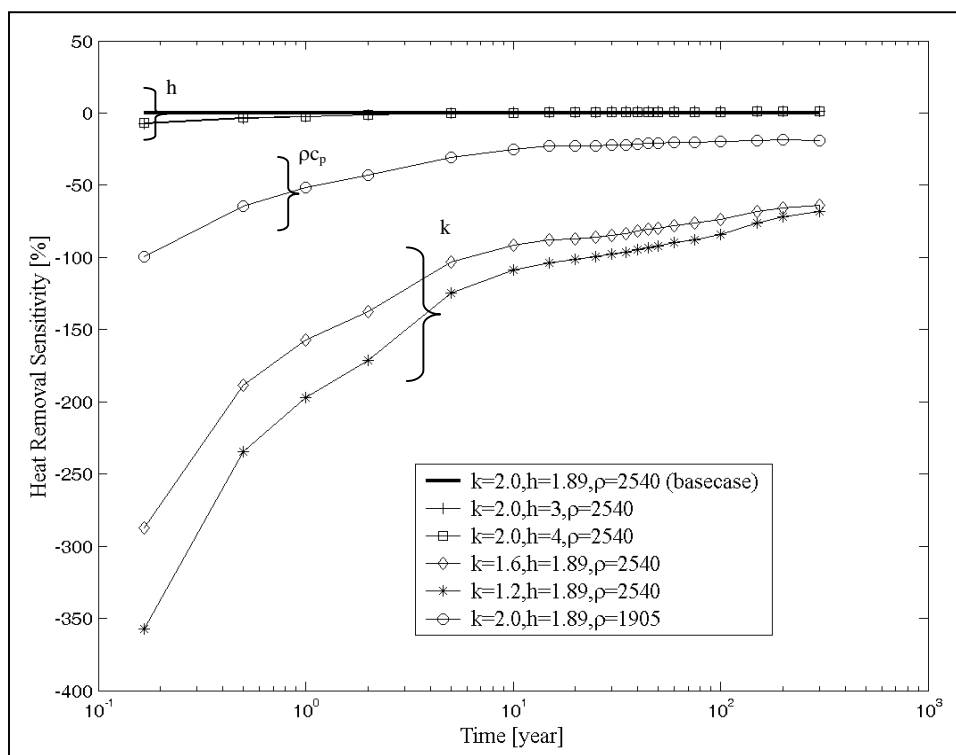


Figure 4-12  
Sensitivity Results for Cumulative Heat Removal  
(Airflow Rate of 1 Cubic Meter per Second [ $\text{m}^3/\text{s}$ ])

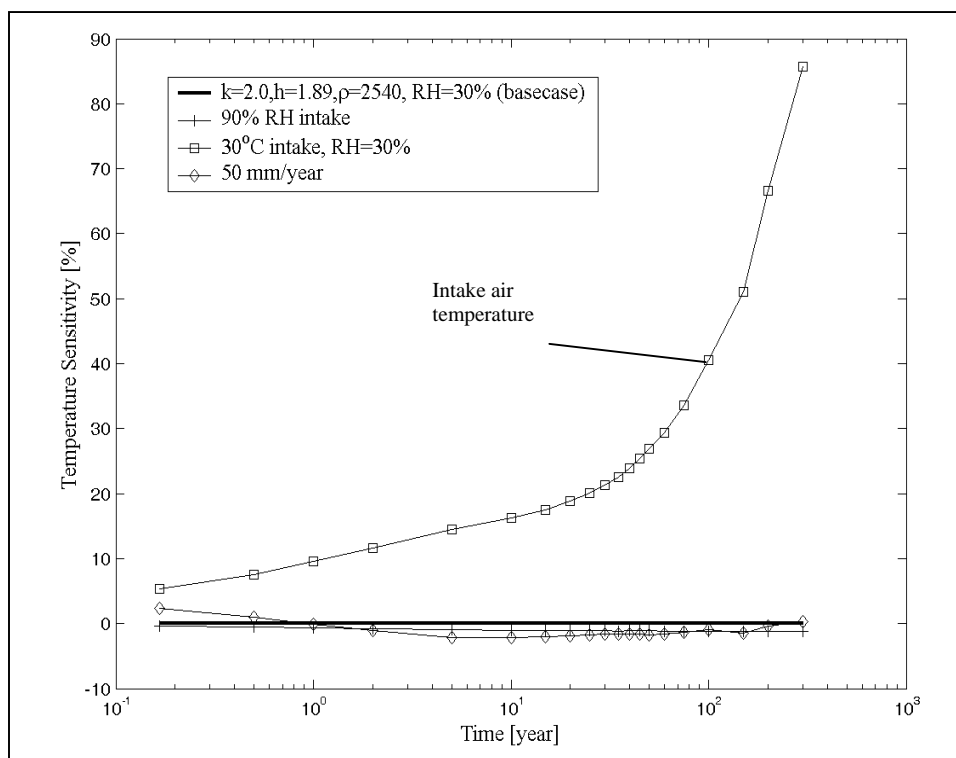


Figure 4-13

Sensitivity Results with Variation in Intake Air and Ground Precipitation for Wall Temperature  
(Airflow Rate of 5 Cubic Meters per Second [ $m^3/s$ ])

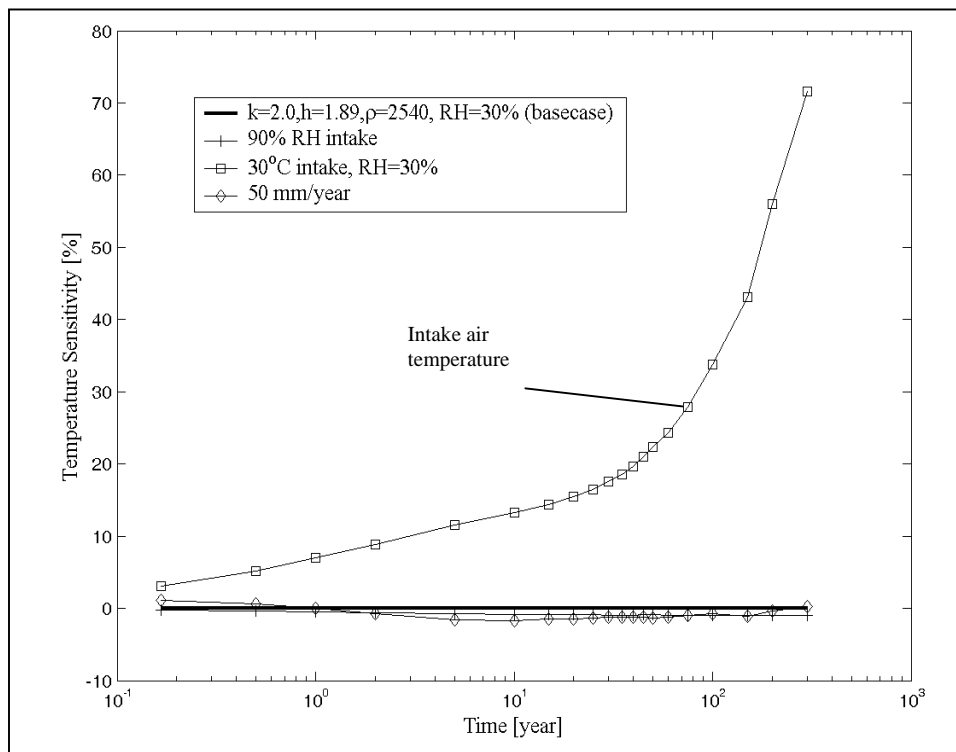


Figure 4-14

Sensitivity Results with Variation in Intake Air and Ground Precipitation for Container Temperature  
(Airflow Rate of 5 Cubic Meters per Second [ $m^3/s$ ])

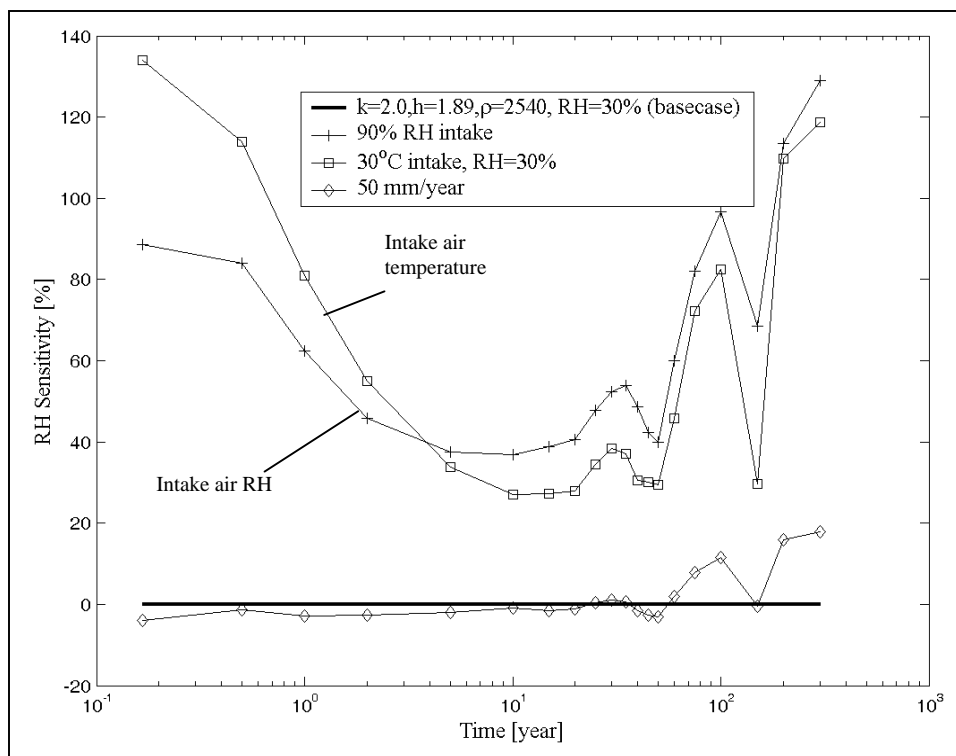


Figure 4-15

Sensitivity Results with Variation in Intake Air and Ground Precipitation for Wall Relative Humidity (Airflow Rate of 5 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])

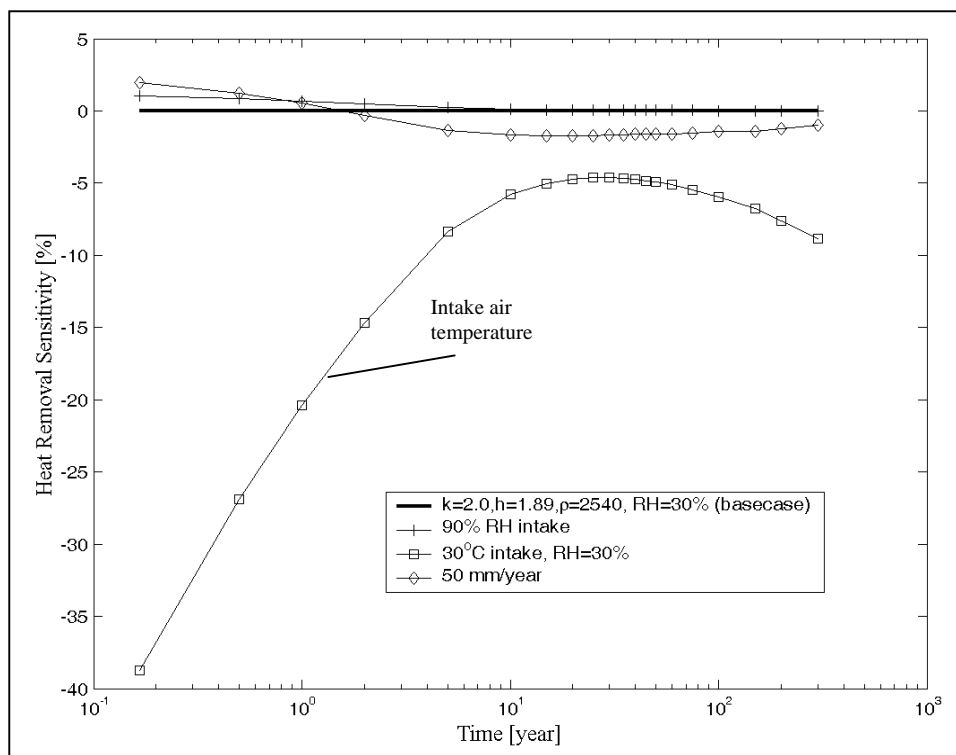


Figure 4-16

Sensitivity Results with Variation in Intake Air and Ground Precipitation for Cumulative Heat Removal (Airflow Rate of 5 Cubic Meters per Second [ $\text{m}^3/\text{s}$ ])