



DORIOT CLIMATIC CHAMBERS | NSRDEC

WHAT IT IS:

Products and people endure extremes — of temperature, rainfall, humidity and wind — in the Climatic Chambers. We test equipment and study human physiology under controlled conditions.

HOW IT WORKS:

Our world-class facility is the largest of its kind for human research.

BENEFITS

Controlled...Temperatures are maintained to ± 1 degree. We are unique in achieving high humidity under extreme conditions.

Conditioned...The two conditioning rooms prepare your product for actual testing by bringing the temperature and humidity slowly up or down.

Convenient...By reducing the need for field testing, the Climatic Chambers help you avoid the trouble and expense of transporting your product to the test site. We also provide two operators to monitor conditions during the test.

HOW WE CAN HELP OUR CLIENTS:

Whatever your product, the Chambers let you discover how and why it's affected by extremes of weather. Rough environments pose risks to people, too — and human subjects can live right in the Chambers for prolonged research in a controlled climate.

POINT OF CONTACT:

Climatic Chambers Team

COMM (508) 233-5295, DSN 256-5295

WEB: doriot.natick.army.mil

WIND TUNNEL SPECIFICATIONS

Dimensions:	10' H x 15' W x 60' L
Access Doors:	8' H x 10' W
Temperature:	Arctic: -70° to 120° F Tropic: 0 to 165° F
Rainfall:	Up to 4" per hour
Relative Humidity:	10% to 90%
Solar Load:	Simulated with 6 rows of 250 Watt light bulbs
Wind Speed:	Up to 40 miles per hour

CONDITIONING ROOM SPECIFICATIONS

Dimensions:	10' H x 15' W x 60' L
Temperature:	Arctic: -50° to 70° F Tropic: 40 to 150° F
Relative Humidity:	10% to 90%



UNCLASSIFIED

REV 11-18-05 | OPSEC 02-024

TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.