

# Thor Guard

The **THOR GUARD** lighting prediction system is utilized by Campus Recreation. When the **THOR GUARD** system goes into "Red Alert", all activities in the pools and fields are suspended and those areas must be cleared. Activities can continue when the Thorguard system gives the "All Clear" signal.

**THOR GUARD** effectively reads the activity within atmosphere and will predict the probability of a lightning strike within a predetermined area of concern. **Thor Guard** can also project the potential for deadly "bolts out of the blue," which are lightning strikes that seem to come from nowhere and cause a high percentage of lightning fatalities.

How to Read the Storage screen at [www.campusrec.sc.edu](http://www.campusrec.sc.edu)

## 1. LHL – Lightning Hazard Level

- a. Max number is 9
- b. Predicts frequency
- c. Number will get closer to 9 as storm gets closer

## 2. DT – Dynamic Index

- a. Max 9.9
- b. 3.0 = RED ALERT, alarm will sound 15second air-horn
- c. Strobe light will engage, storm is 2miles away

## 3. AD – Activity Detector

- a. Max 10minutes
- b. When 10 starts to decrease that indicates how many more minutes until "ALL CLEAR" will sound
- c. AD must be "zero" before (ALL CLEAR) is given of 3 (5 second) air-horn blasts
- d. Protects from "BOLT OF THE BLUE"
- e. Storm must be 3miles away before it will get back down to zero.

## 4. FCC – Field Collapse Counter

- a. Counts how many lightning strikes occur

### Red Alert

- One 15 second horn blast
- Continuous flashing of yellow strobe light

### All Clear

- Three 5 second horn blast

- Yellow strobe light stops flashing

#### **Location of the horns**

- Green Street fields, south east side of field
- Strom Outdoor pool, top of bathhouse
- Blatt PE Center building north side next to the field

#### **LOCATION of Strobe lights**

- Green Street fields, south east side of field
- Strom Outdoor pool, top of bathhouse pool side
- Blatt PE Center pool, south side of pool deck next to dive well
- Blatt PE Center building north side next to the field.

### **Lightning Safety Tips**

#### **Seek**

Large buildings

Lightning shelters

Automobiles/trucks

#### **Avoid**

Open areas

Water

Tall trees

Metal fences

Overhead wires and power lines

High ground areas

Telephones & cell phones

Small, unprotected shelters