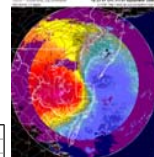


Purpose

OCTOBER TROPICAL CYCLONE ACTIVITY RELATIVE TO NEW JERSEY

Paul J. Croft and Steven L. Koenigstein



Excessive rainfall totals For 2005

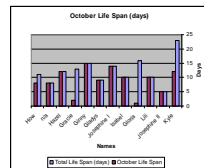
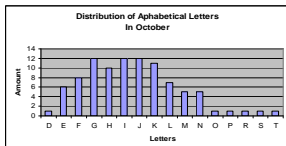
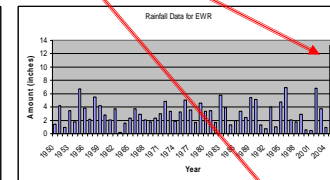
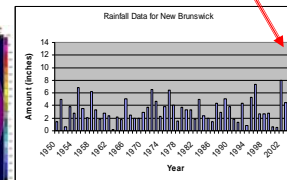
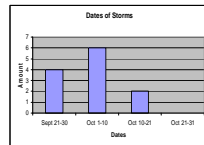
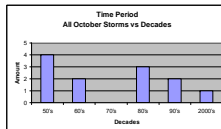
Tropical cyclone activity can produce heavy amounts of rainfall in localized areas over short periods of time. The excessive & record rainfalls that occurred in October 2005 in New Jersey & the surrounding region prompted an investigation to determine how heavy rainfalls are, or are not, related to October tropical activity.

Methods

Acquire data from the Tropical Prediction Center website & analyze it with regard to New Jersey rainfall totals for the month of October.

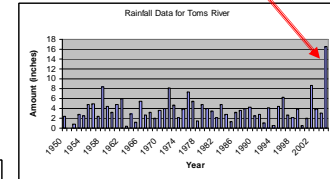
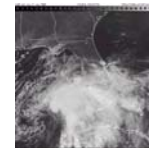
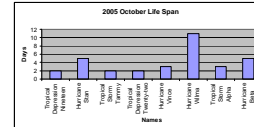
Study area defined below with grid used to analyze data for all October Storms passing through and/or within the region bounded by **Longitude 70°W to 80°W & Latitude 35°N to 40°N**.

Year	Names	Dates
2002	Kyle	Sept 20-Oct 12
1996	Josephine II	Oct 4-8
1990	Lili	Oct 6-15
1985	Gloria	Sept 16-Oct 1
1985	Isabel	Oct 6-15
1984	Josephine I	Oct 7-20
1968	Glady's	Oct 13-21
1963	Ginny	Oct 16-30
1959	Gracie	Sept 20-Oct 2
1954	Hazel	Oct 3-10
1953	n/a	Oct 3-10
1951	How	Sept 28-Oct 8



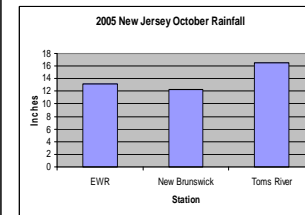
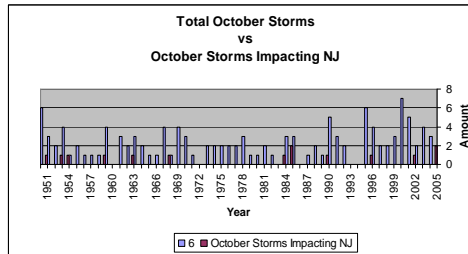
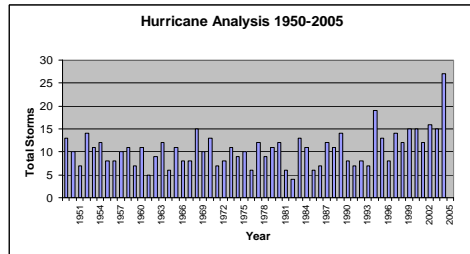
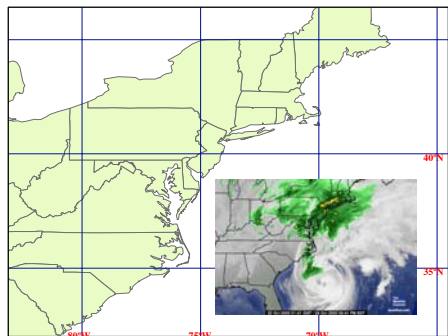
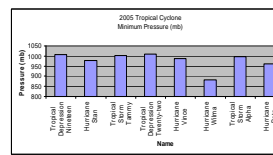
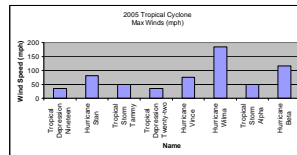
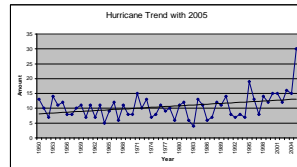
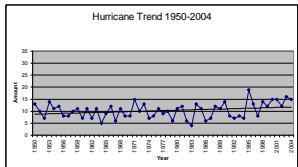
	Approach	Path
East	1	4
Southeast	9	6
West	0	2
Southwest	2	0

	Peak Intensity	Intensity Near NJ
Hurricane	6	5
Tropical Storm	2	2
ExtraTropical	4	4
Tropical Depression	0	1



Memorable October 2005 Storms

Stan, Tammy, Vince, Wilma, Alpha, Beta



Rainfall Results

Average Totals = 14.03"

Excessive Rain throughout NJ

Is there a link between October Tropical Activity and NJ October rainfall?

Answer = NO!