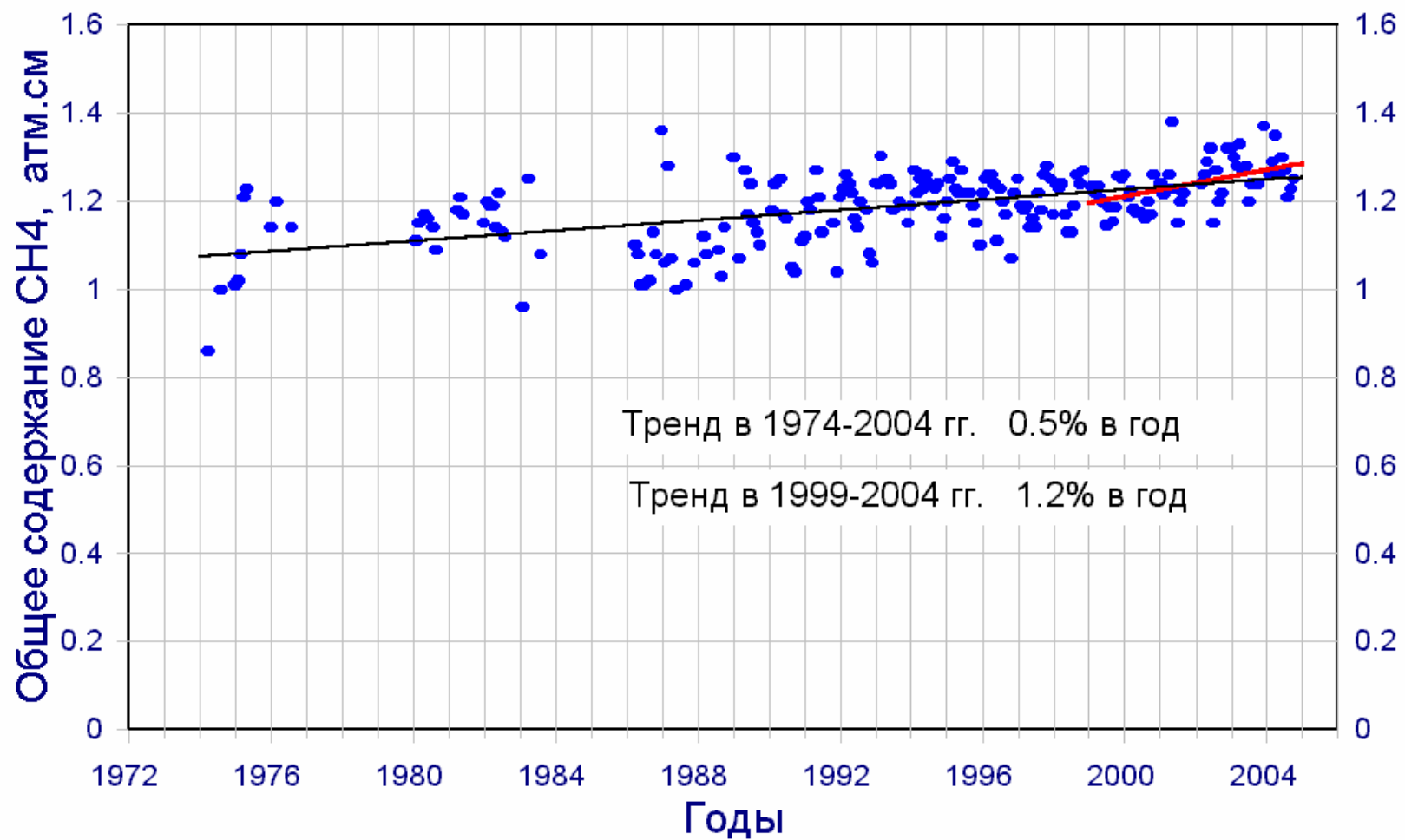
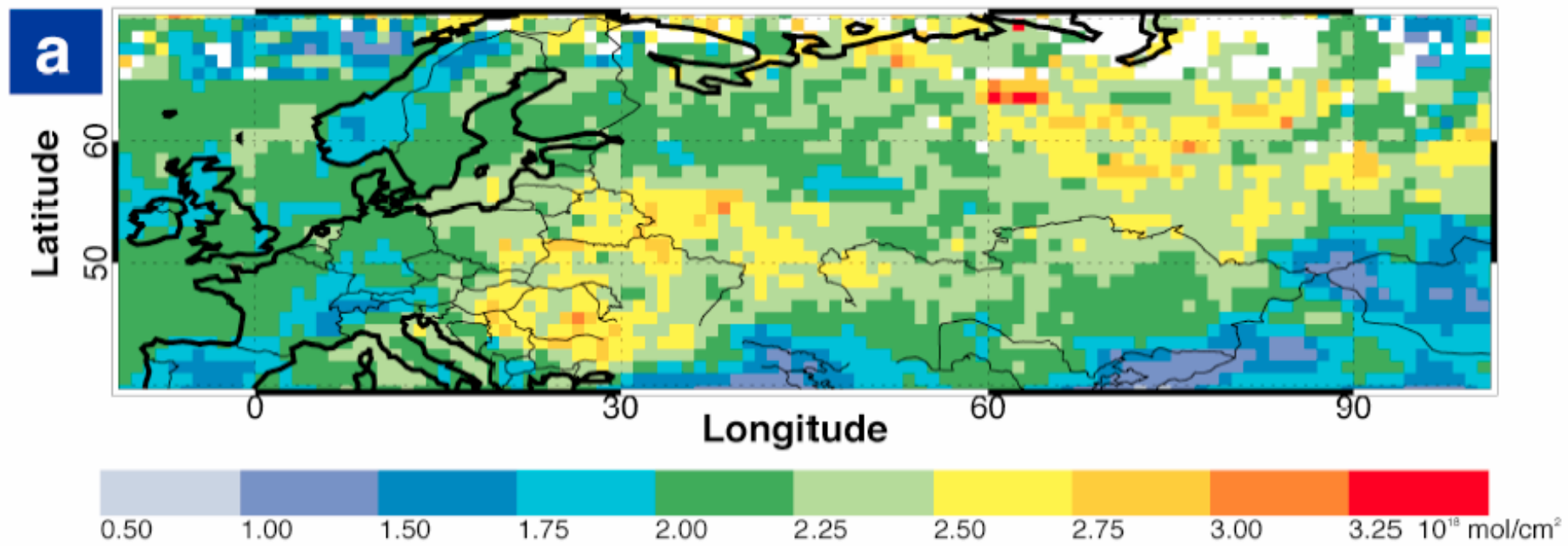


Среднемесячные содержания окиси углерода в толще атмосферы на Звенигородской научной станции института (55 км к западу от Москвы)

Среднемесячные содержание CH₄ в Звенигороде





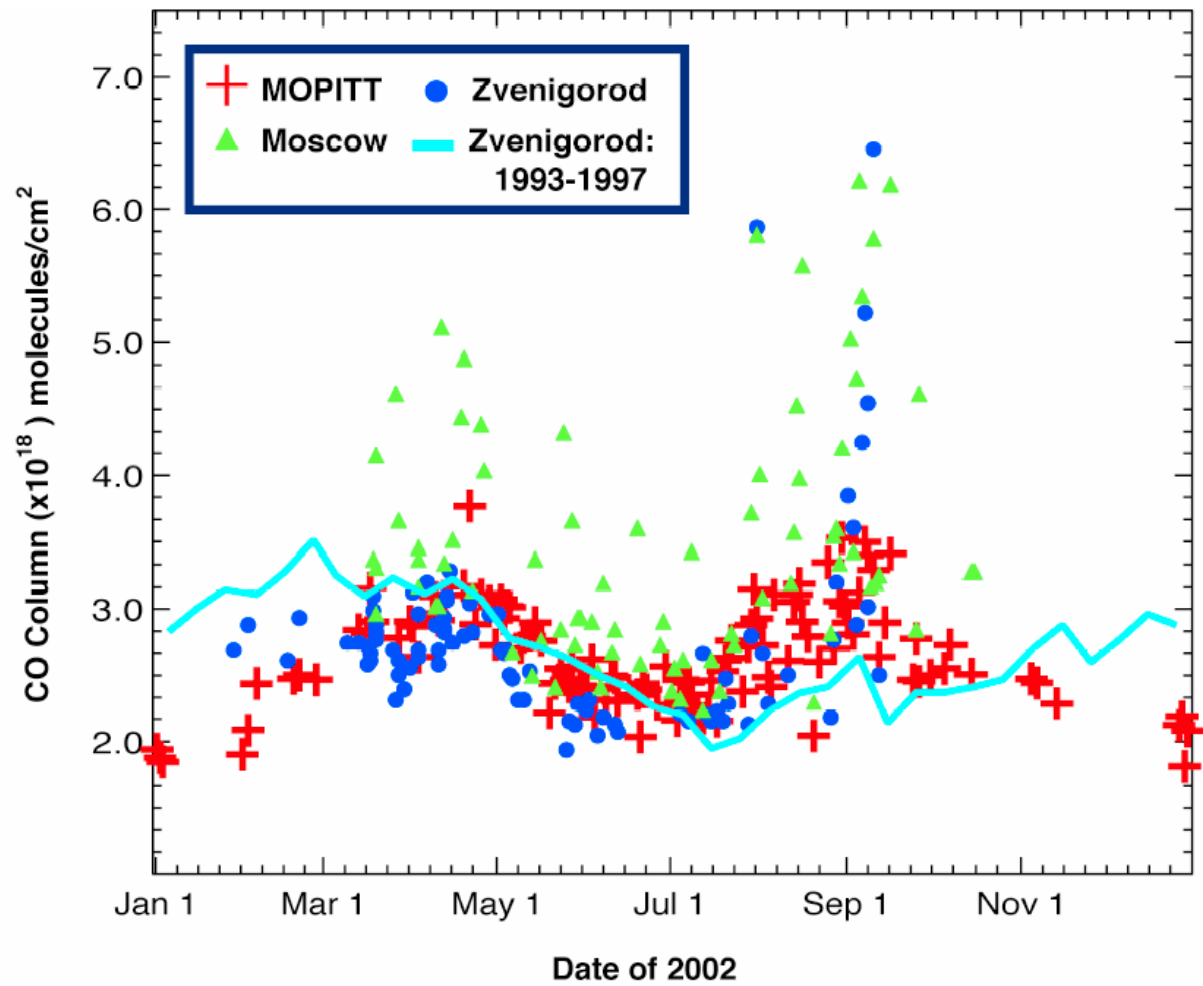


Figure 7. Ground-based infrared grating spectrometer measurements of CO column from Zvenigorod (55.71°N, 36.59°E) and Moscow (55.75°N, 37.70°E) during 2002. Also shown are the Zvenigorod spectrometer CO column data averaged over the years 1993-1997, and the daily MOPITT measurements during 2002 averaged over a 200 km radius of Zvenigorod.

The logo for ICDA (International Centre for Dynamical Meteorology) is located in the top left corner. It consists of the letters 'ICDA' in a stylized, blue, sans-serif font, enclosed within a white rectangular box with a blue border. The background of the slide is a photograph of a pond with trees and a sky reflected in the water, with ripples in the foreground.

ICDA

Distribution functions for natural macroprocesses

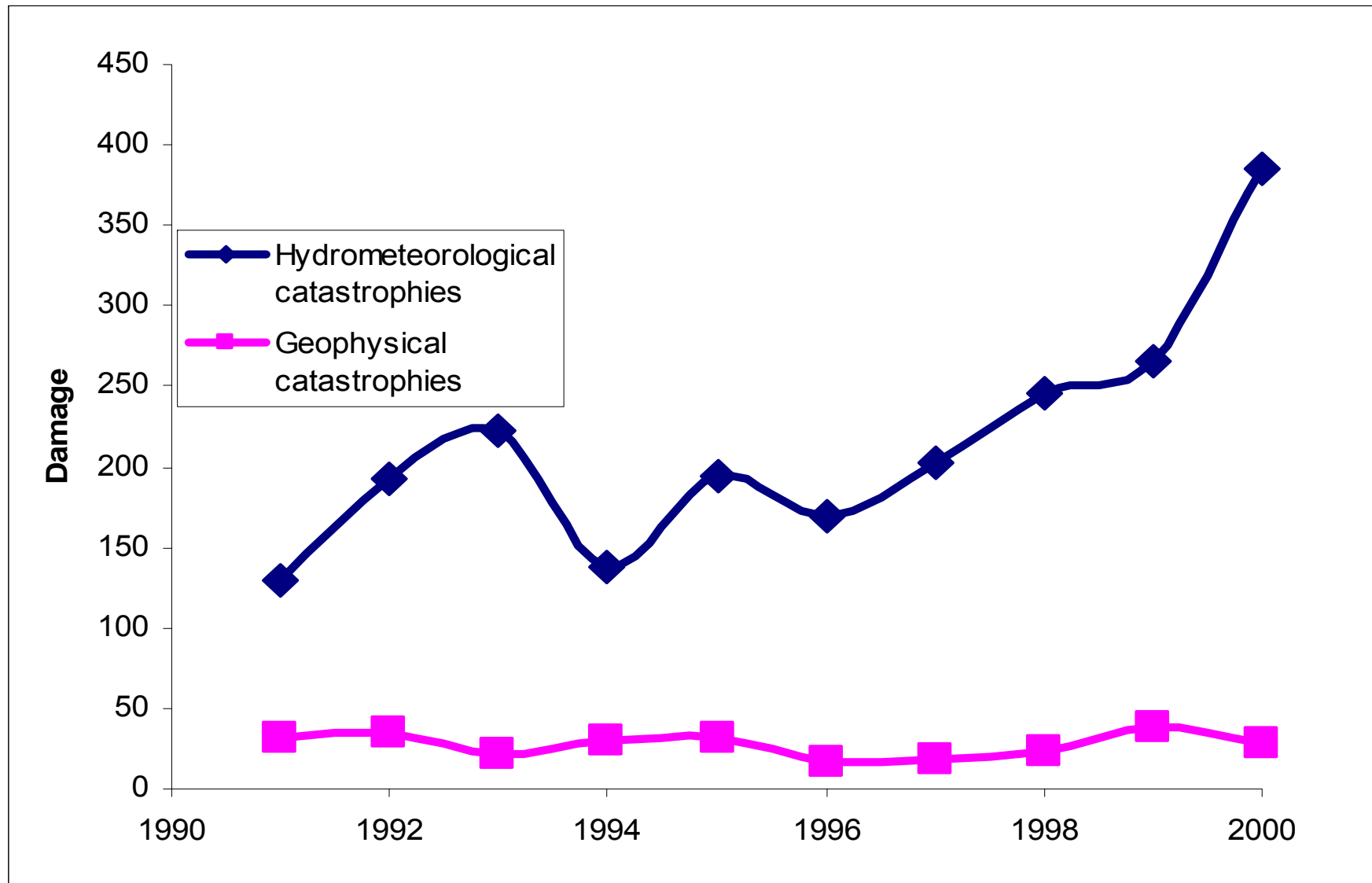
Georgy S. Golitsyn

***A.M. Obukhov Institute of Atmospheric Physics
Russian Academy of Sciences
Moscow 119017***

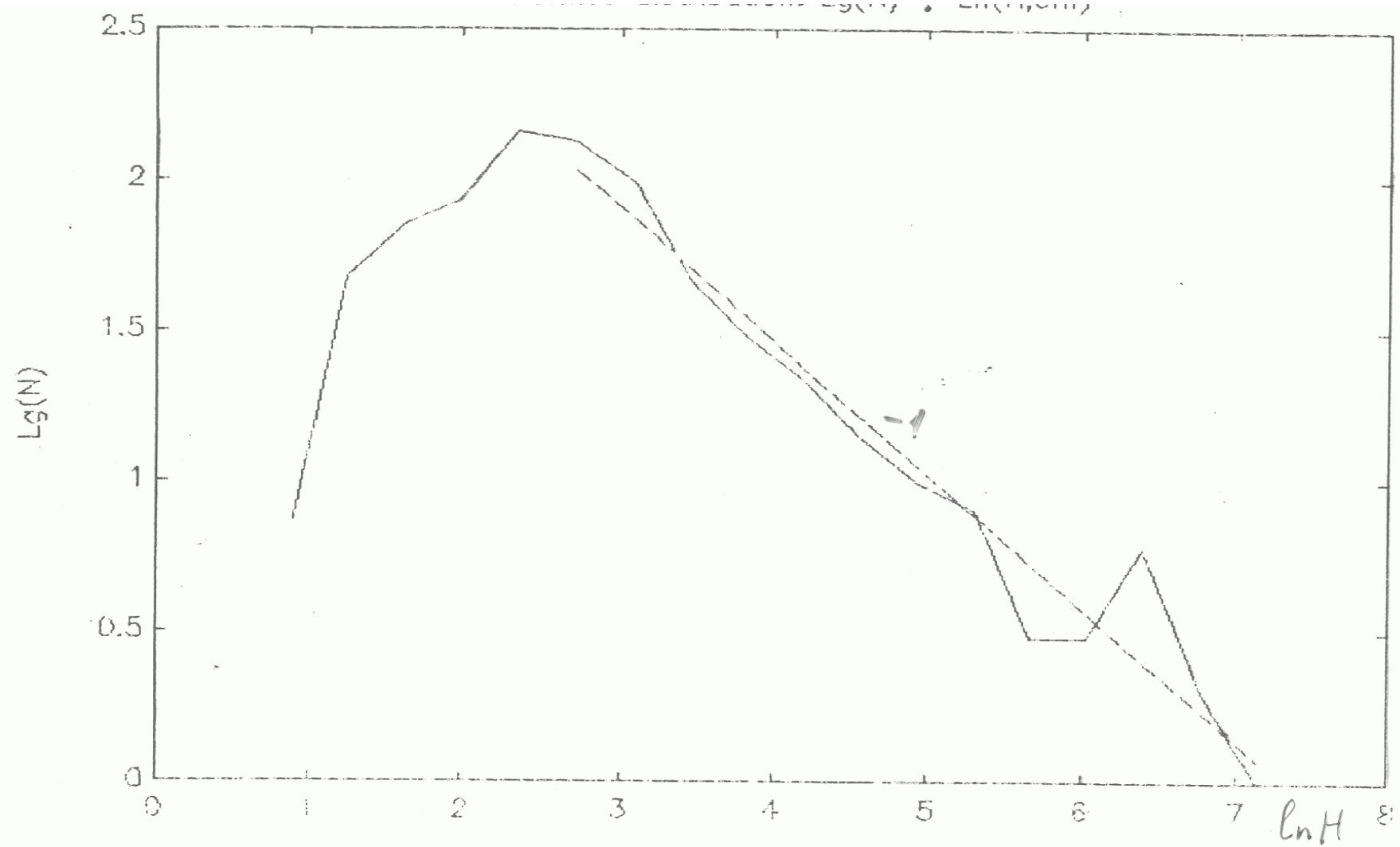
Registered natural catastrophes for 1991–2000, UN source

Phenomena	Total number	Number of dead	Damage in 10 ⁹ \$
Land slides	173	9550	1.7
Droughts/hunger	223	280007	30.5
Earthquakes	221	59249	239.6
Heat waves	112	9124	16.7
Floods	888	97747	272.8
Forest & grass fires	123	626	26.3
Volcanic eruptions	54	942	0.8
Storm winds	748	205635	198.1
Other	25	2718	0.3

Damage from natural catastrophies during 1991–2000, 109 \$ USA

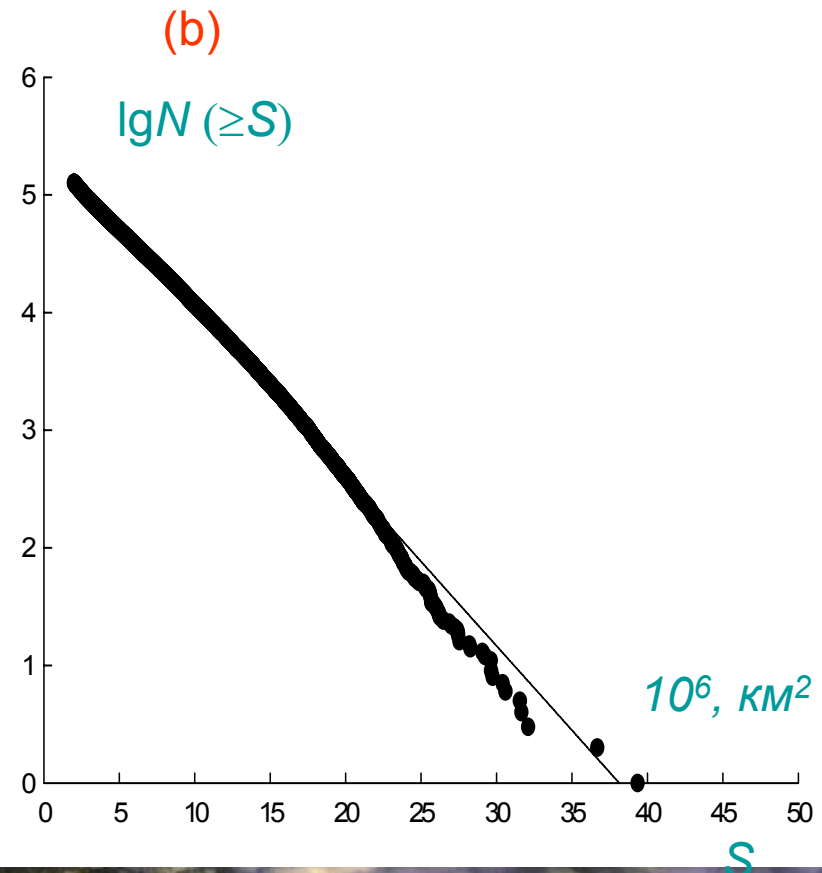
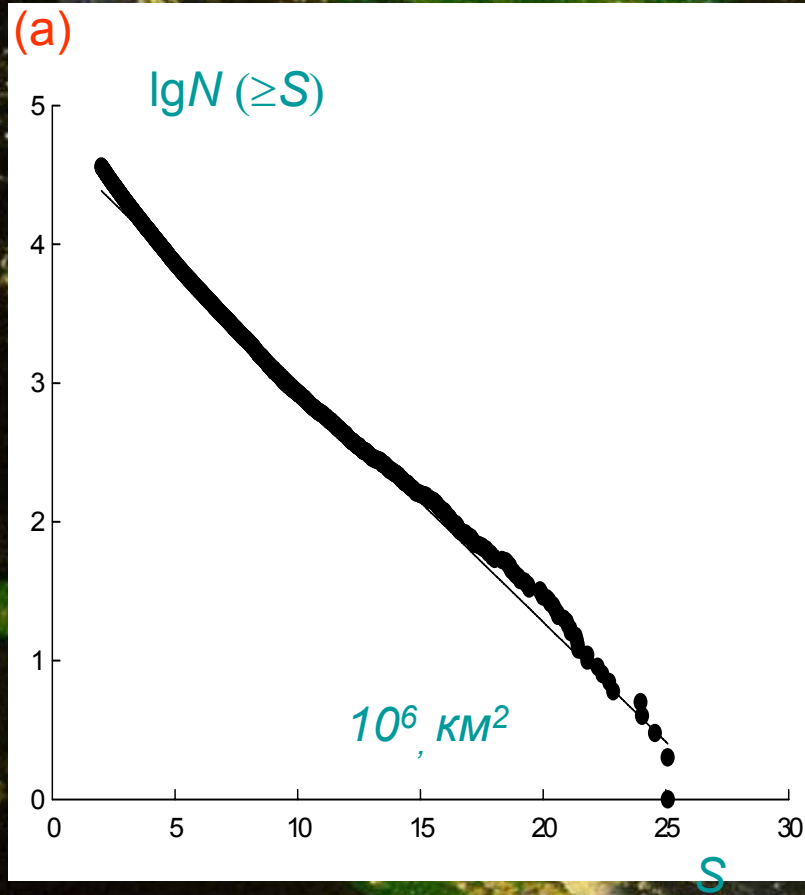


Tsunamies distribution

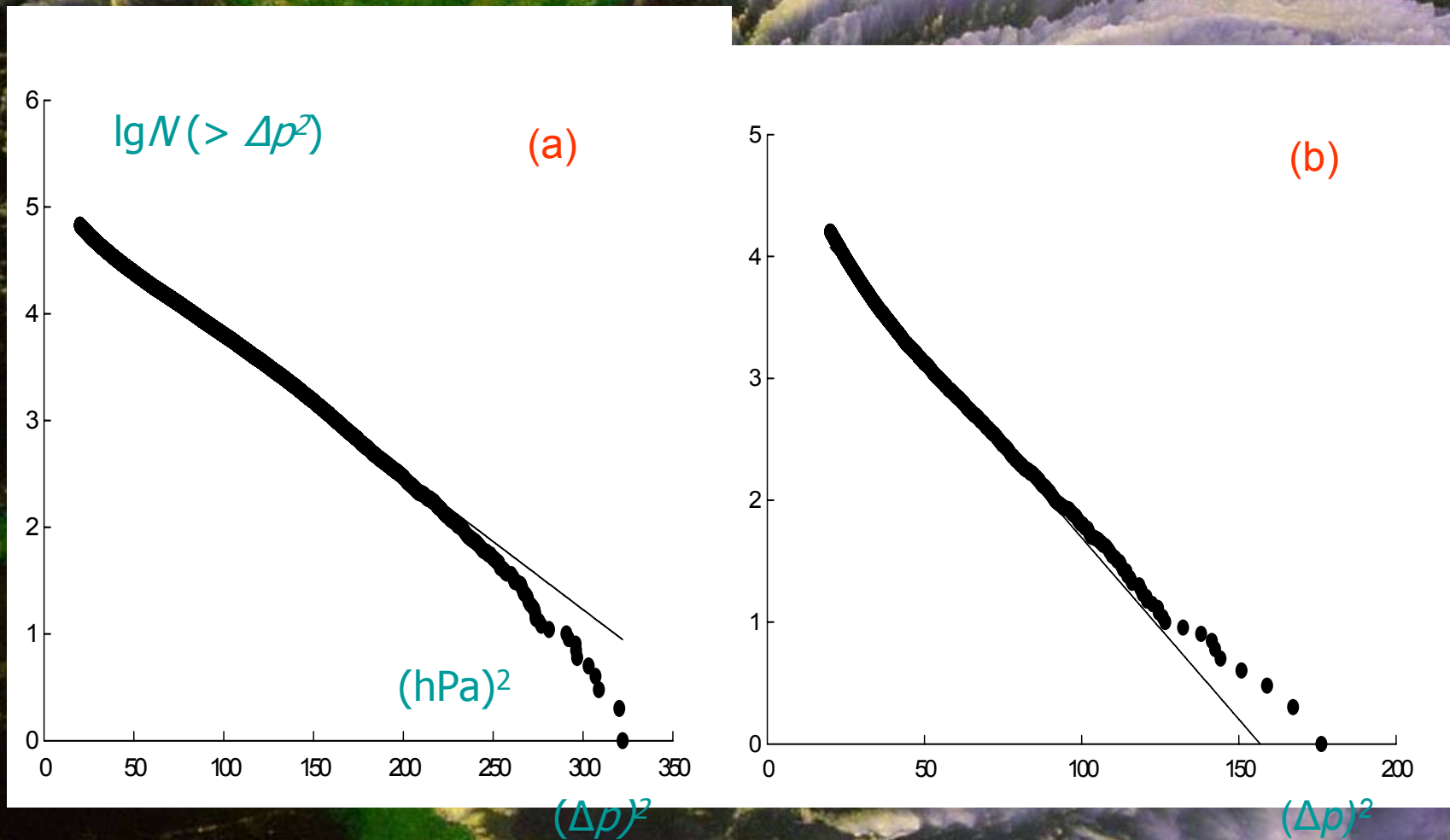


$x: Ln(H \text{ of the wave, cm}). Lg(N) = -0.44 + Ln(H) + 3.23, R = -0.974$

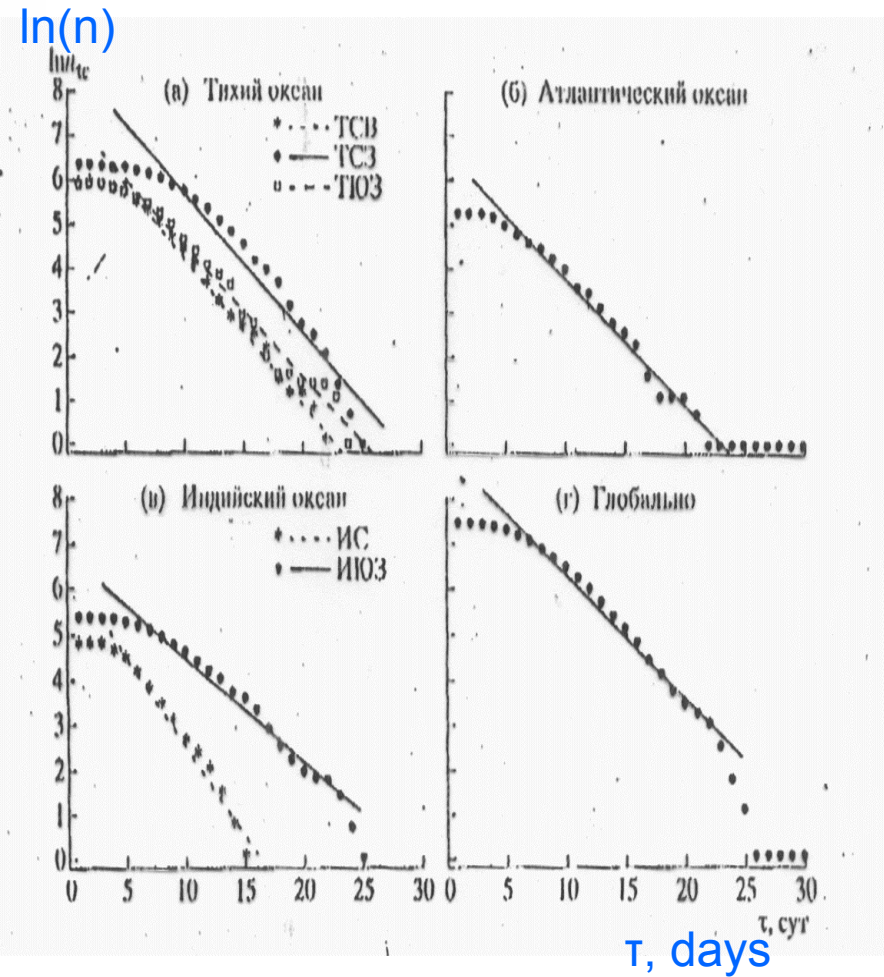
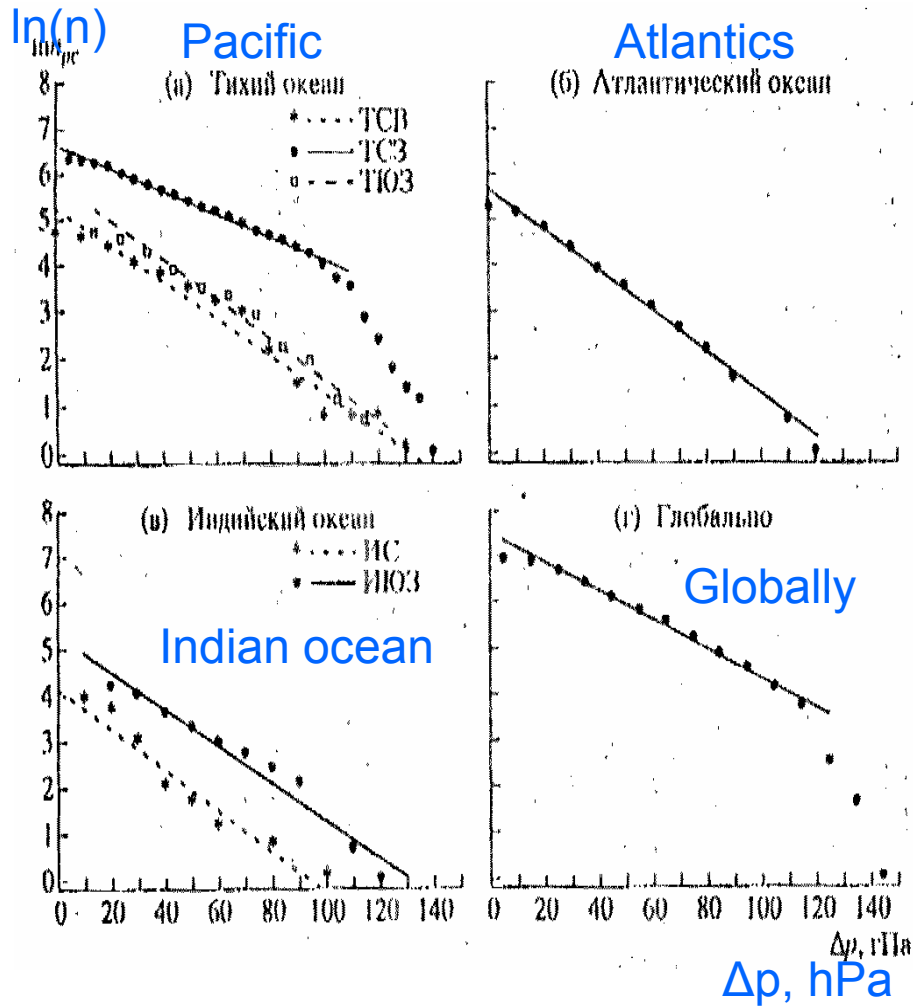
Cumulative number of cyclones (a) and anticyclones (b) with area $\geq S$



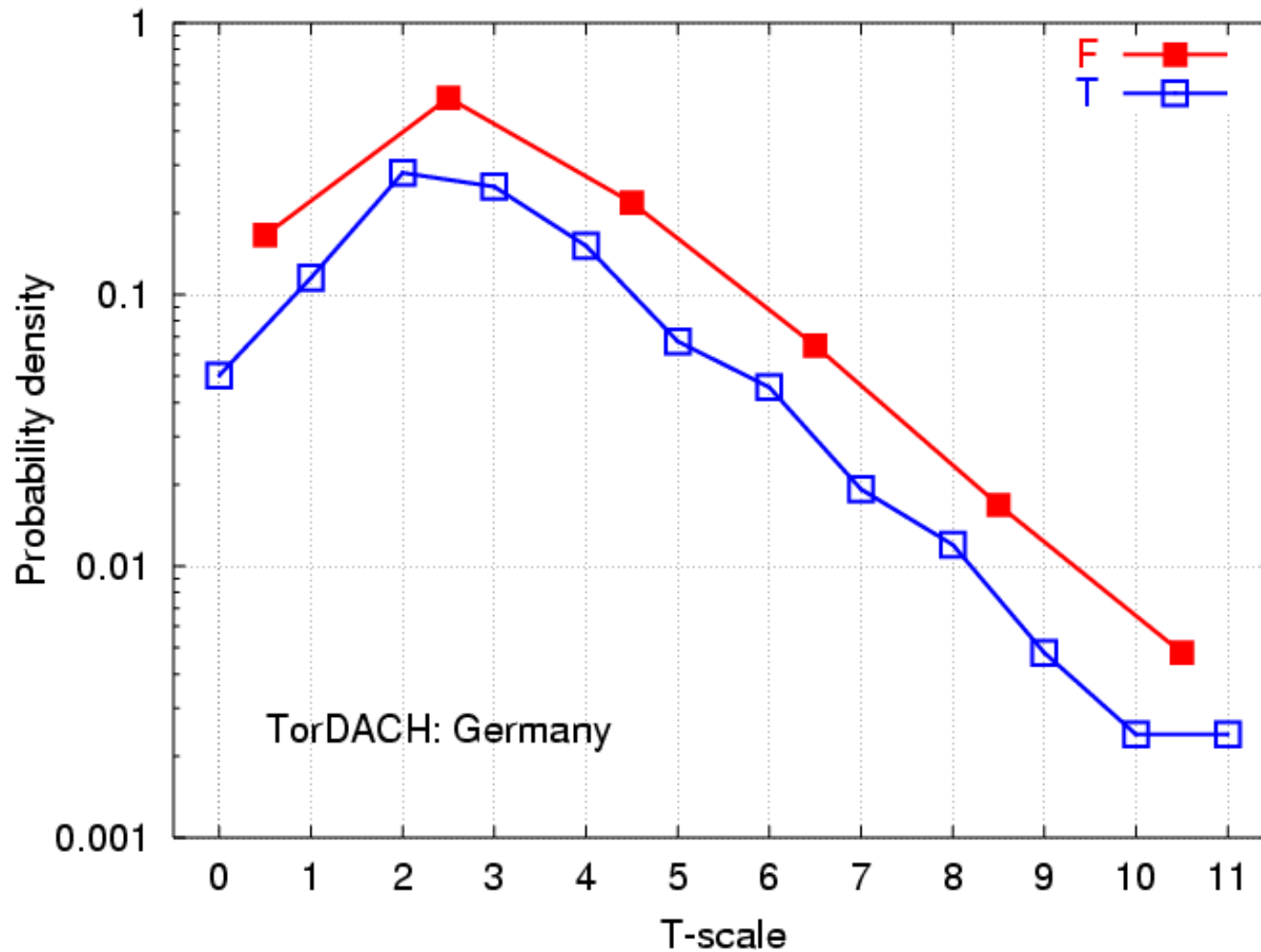
Cumulative number of cyclones (a) and anticyclones (b) with pressure square deviation (kinetic energy) $\geq (\Delta p)^2$



Distribution functions for tropical cyclones, 1970-1990 from US/Navy CDrom



Tornadoes in Germany



415 tornadoes in Germany (from *Dotzek 2003*)

T – TORRO-scale

F – Fujita scale