

Attribution of climate events

Dynamics

versus

Thermodynamics

DYNAMICS:

Phenomena
Movement
Development
Unique
Chaotic (Unpredictable)

ENVIRONMENT

Temperature
Moisture
Sea level
Ocean heat content
Robust (Predictable)

The environment for all storms has changed:
Warmer by 1°C
Moister by 5 to 20%
Sea level higher by 20 cm
Ocean heat content higher
SSTs higher