Tropical cyclones (TCs) vs. Extratropical cyclones:

**TC:**
- Size: 100's of km
- Non frontal
- Wind max close to cyclone center
- Wind max in lower troposphere
- Warm core vortex
- Driven by latent heat release
- Symmetry of precipitation

**Extratropical:**
- Size: > 1000 km
- Frontal
- Wind max well removed from center
- Wind max in upper troposphere
- Baroclinic (cold) vortex
- Driven by baroclinic instability
- Precipitation left of track