



Upper Troposphere

MJO

Deep convection
initiated by MJO
passage

Rossby wave
train

Suppressed SACZ
• reduced cloud cover
• reduced rainfall

Enhanced
shortwave

Surface

Reduced latent
heat loss from
ocean

Drought

Terrestrial
Heatwave

Extensive
Marine Heat Wave

Blocking
High

Anticyclonic wind anomalies:
• reduce total winds
• enhanced moisture advection