

Interaction

Sampling Strategy and Integration of C

LS Hypotheses:

the physicochemical properties of aerosols has a measurable impact upon the formation of c

n is a necessary condition for the formation of pockets of open cells (POCs) within s

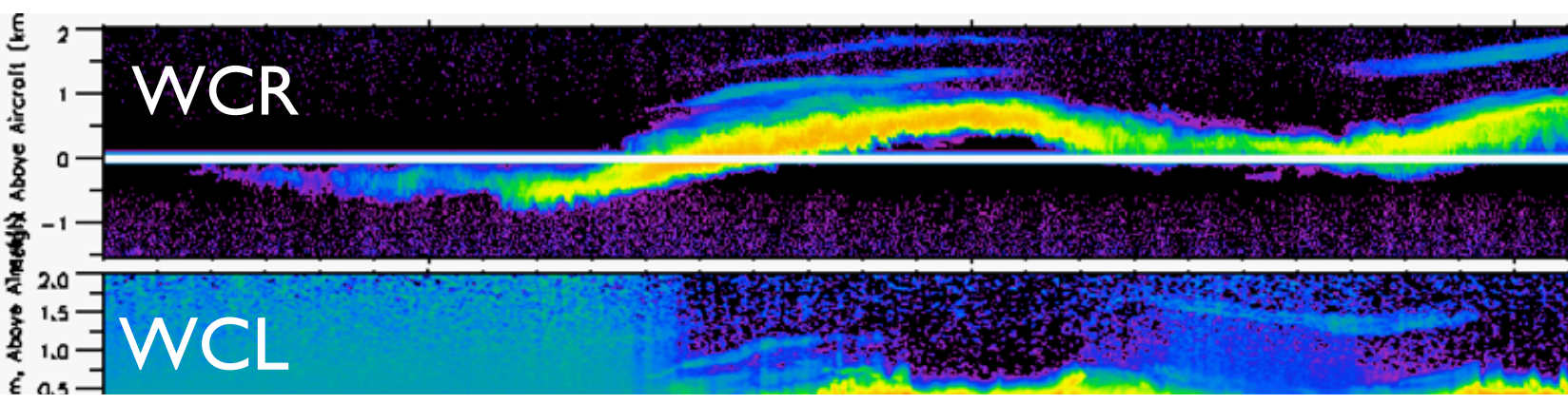
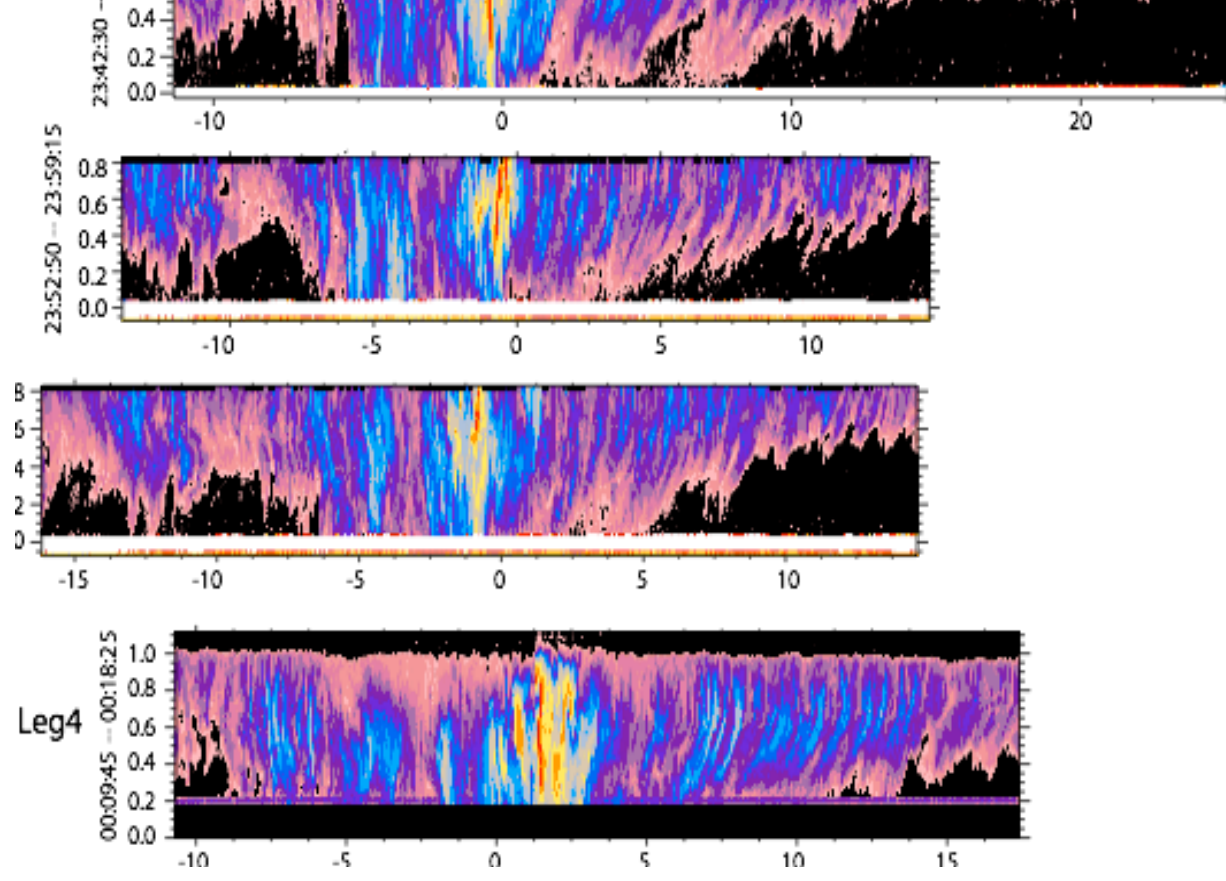
*ffective radii measured from space over the SEP are primarily controlled by anthropog
ction, and that entrainment of polluted air from the lower free-troposphere is an impo
nuclei (CCN).*

aerosols by coalescence scavenging is a major sink term for cloud condensation nu

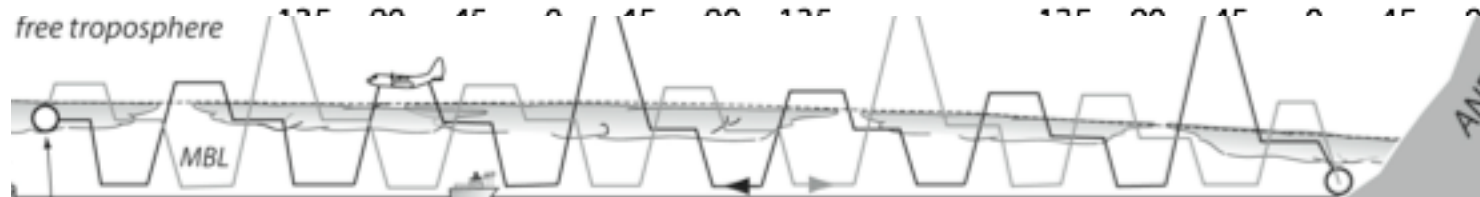
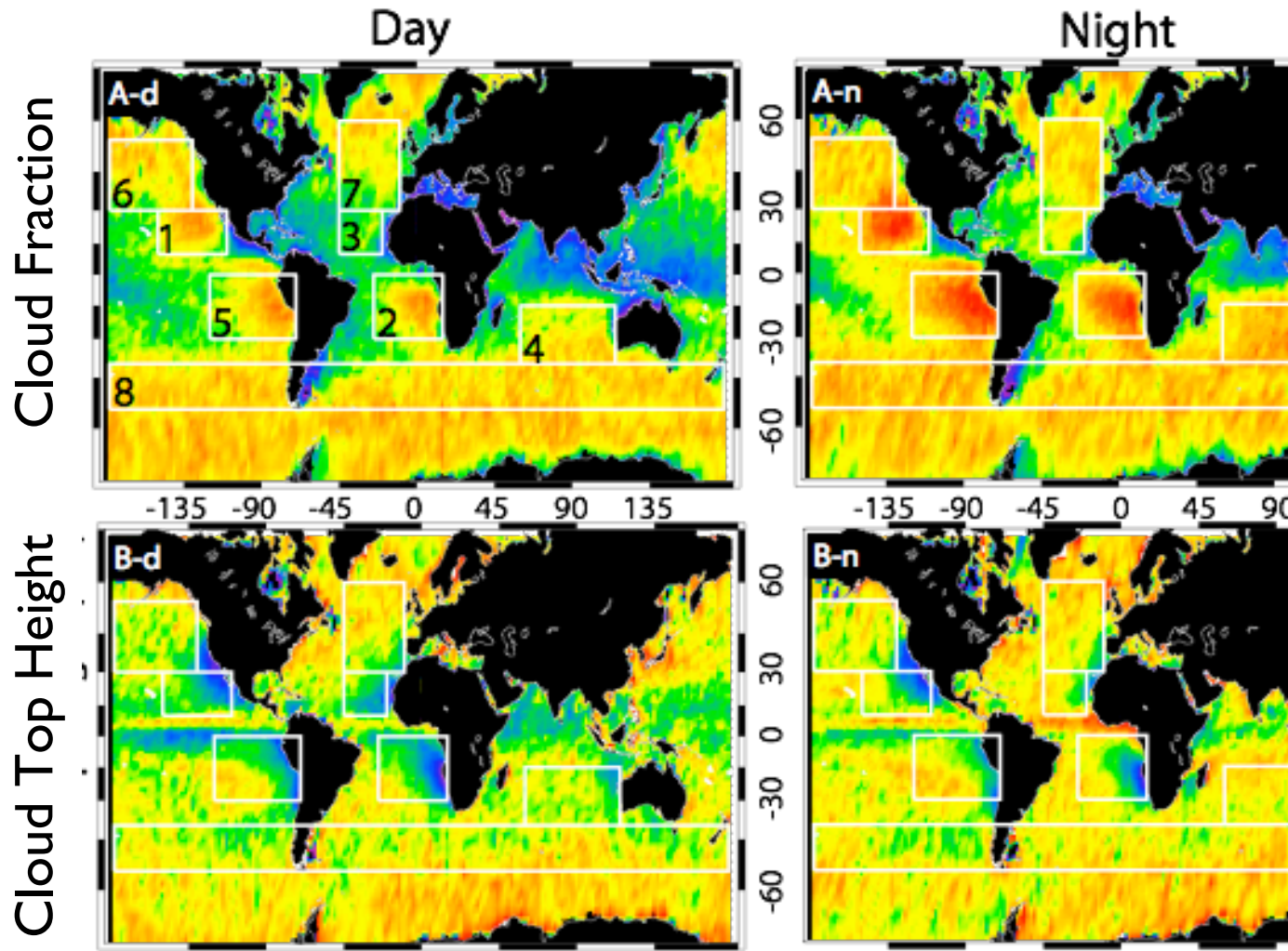


Vertical resolution ~50m (WVCR), 5.75m

- Horizontal resolution ~10 -- 30m
- Vertical Plane Reflectivity
- Vertical Plane Velocity Field (below C-13)
- Cloud Base Height (subcloud flight legs only)
- Cloud Top Height (all legs)
- Cloud Depth/ Adiabatic LWC
- Precipitation Rate at Cloud Base and Oc
- Precipitation Rate Profile (Accretion/Eva
- Coalescence-Scavenging Rate



POCs, Drizzle-Cells, and Mo



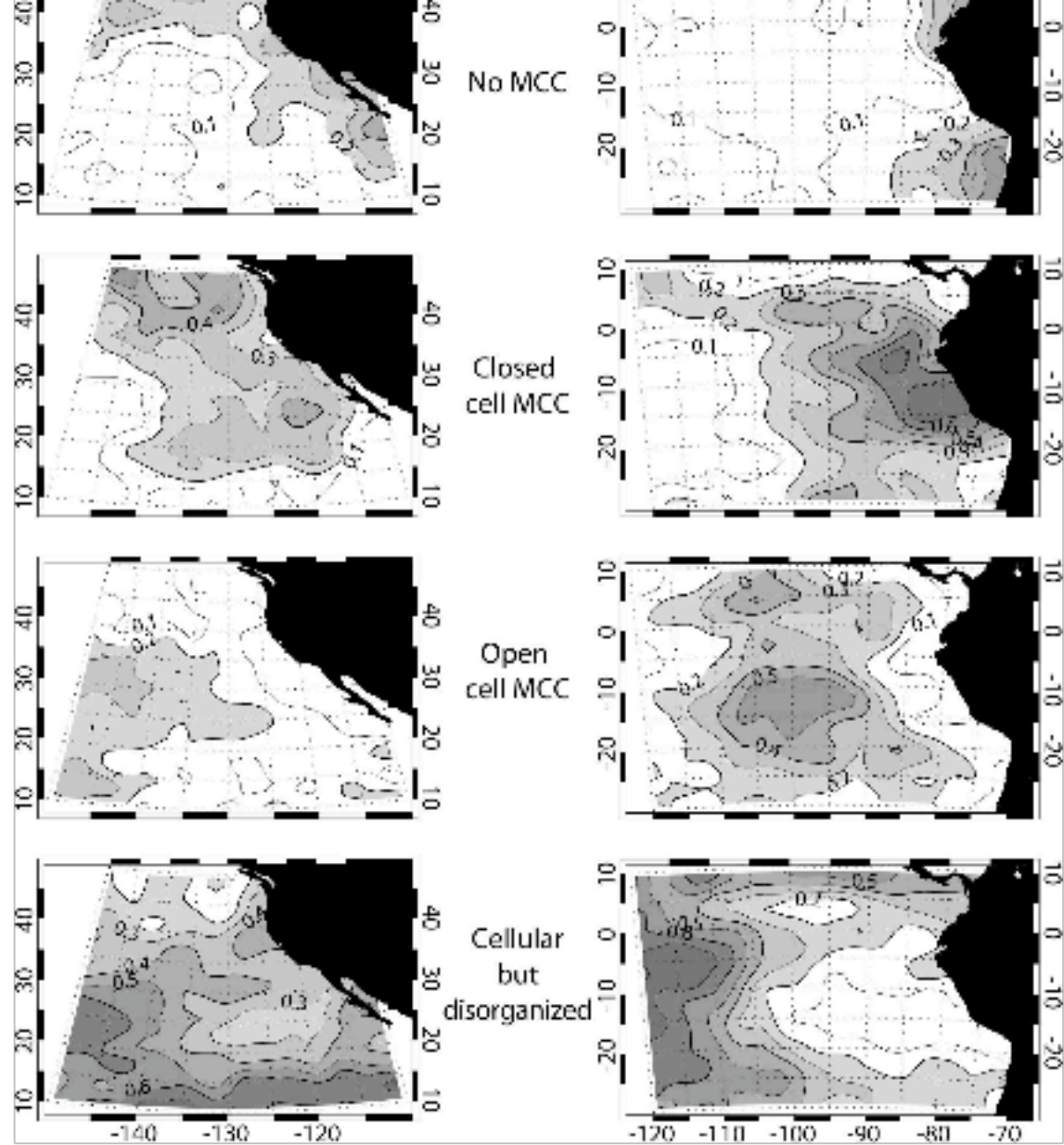
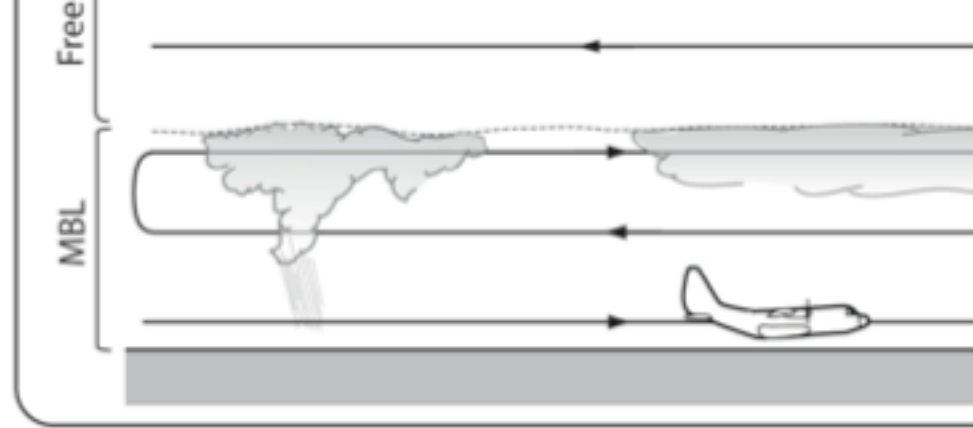
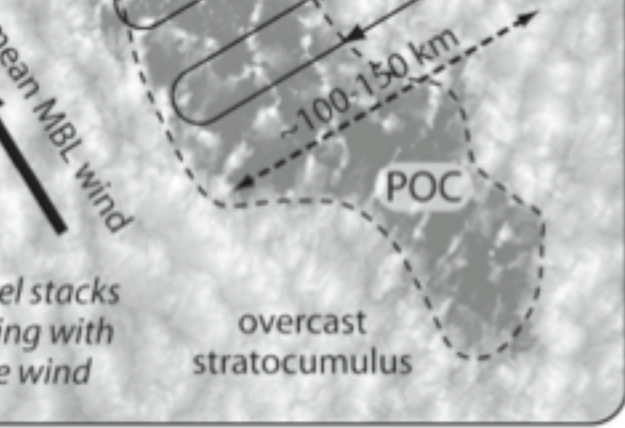
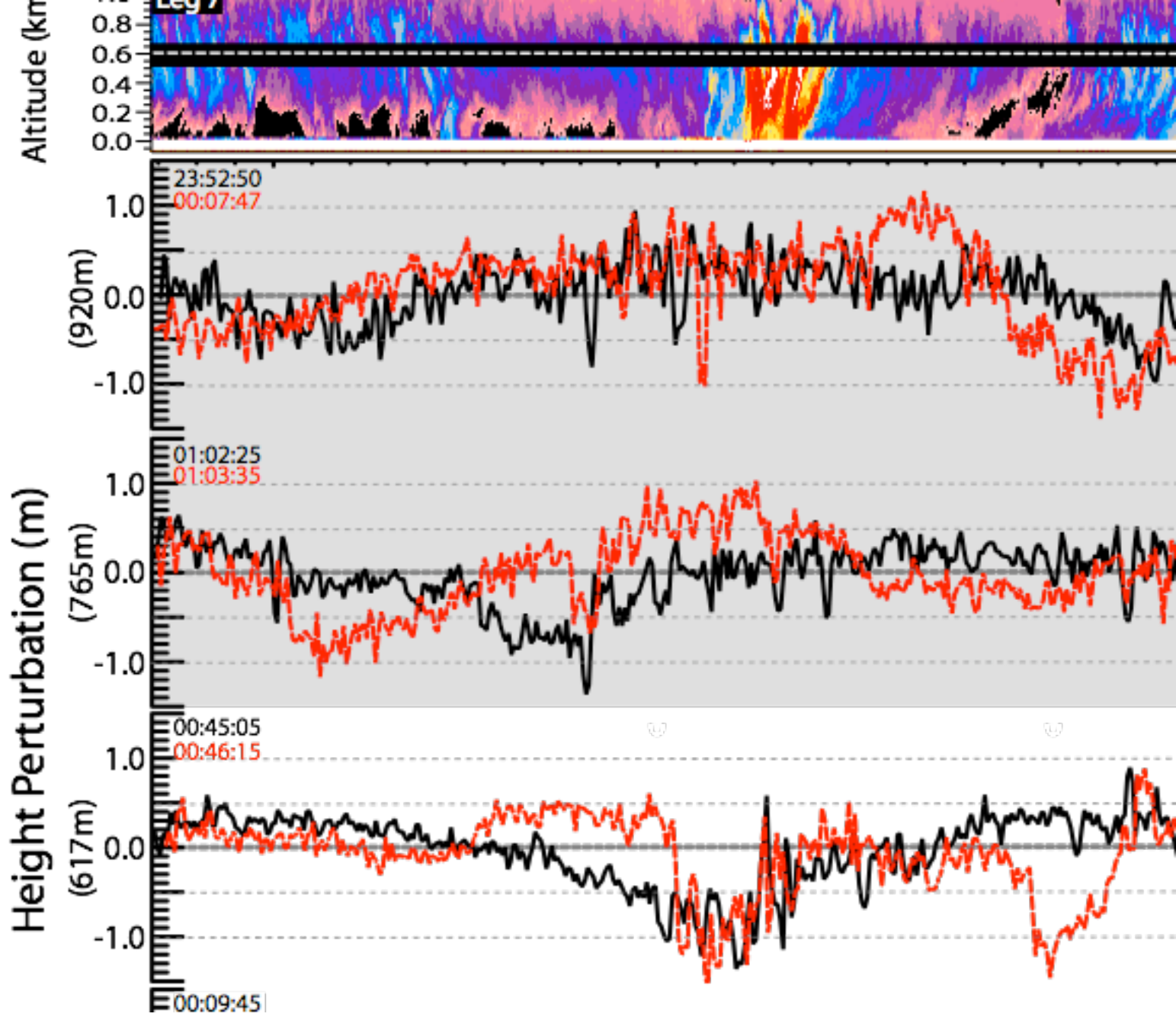
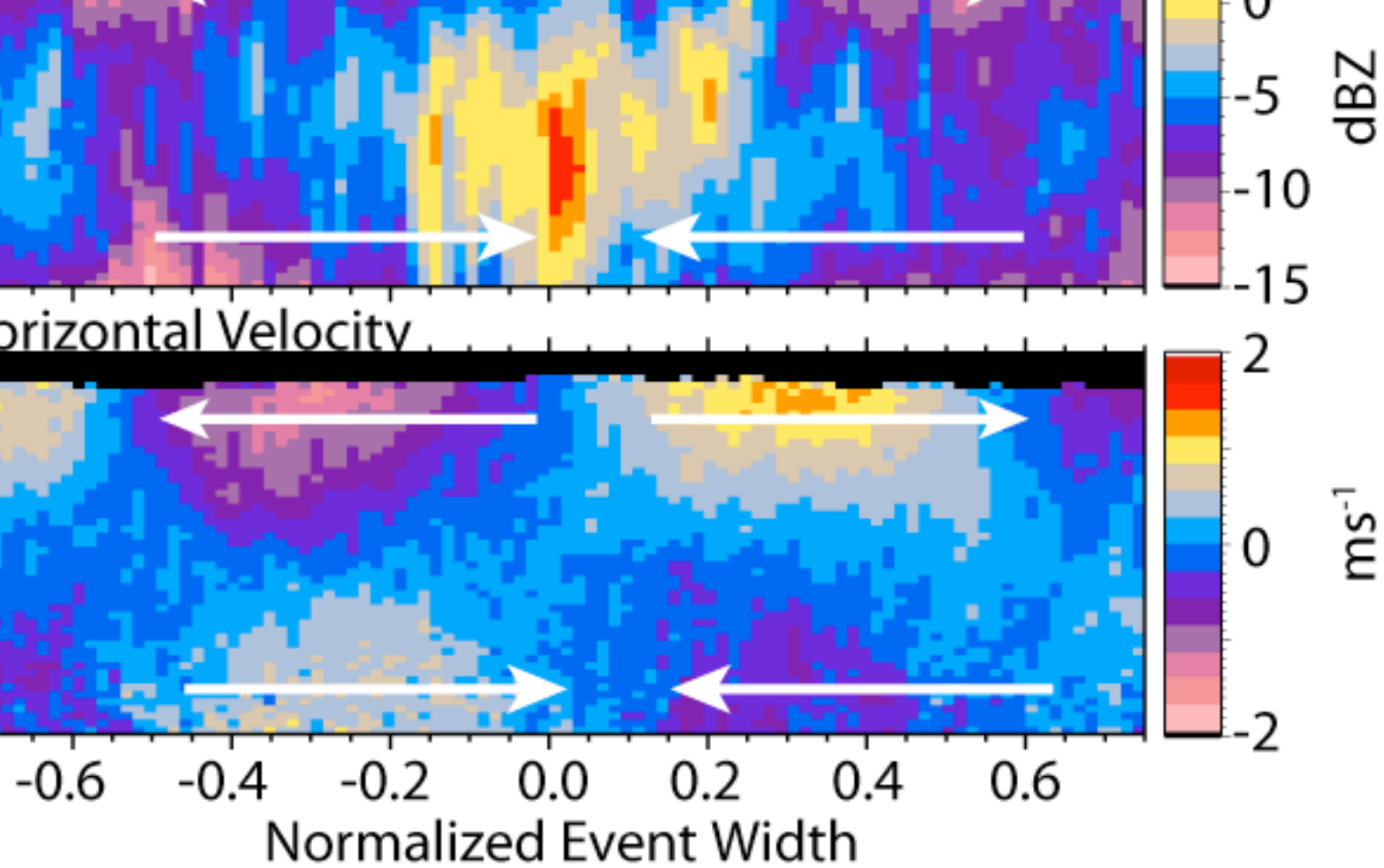


FIG. 14. Frequency of occurrence of no MCC, closed MCC, open MCC, and cellular but disorganized scene types for the NE and SE Pacific.



- WCR (+WCL) will tell where we' respect to the mesoscale organization
- Inside POC
- Crossing well region in POC





WCR data can be used to

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