

# Operational NWP Perspective on W Coast Heavy Pcpn events

“Easy” Problem (relative to other pcpn fcst problems)

- Known “fixed” forcing
- Convection usually not of first-order importance

Biggest challenges

- Effective use of data over Pacific
- Risk of 6-10d period of heavy pcpn
- Snow-level evolution
- Response of individual river basins



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# NWP Perspective, continued

## Responses needed

- Better assimilation procedures
- Capture of uncertainty (ensembles)
  - \* NCEP ensembles need more spread
  - \* Ensemble runs need sufficient resolution to capture strong oceanic baroclinic developments
- Downscaling for flood threat to particular river basins
  - \* High-resolution coupled (weather-hydro) models
  - \* Reforecasting

