

DISCOVER-AQ Outlook - Sept. 5, 2013

Regional-scale winds were mostly easterly today with sea breeze development. For example, wind shift at La Porte at around 3 PM. Thunderstorms developed over downtown Houston and to the northeast in mid afternoon and moved to the west. AOD showed strong gradient from the coast up to Conroe.

We will be under a similar pattern for the next few days. Tomorrow should be similar to today with partly cloudy skies with isolated thunderstorms and sea breeze development. The easterly wave entering Mexico should not induce high cloudiness this far north. Saturday should see more clouds as a short wave trough comes around the major ridge into eastern TX. Less cloudiness expected on Sunday.

Air quality for ozone is expected to be moderate for the period from today through Sunday. Maximum ozone will likely occur on the northwest side of Houston. Aerosol optical depth may become less on Friday and Saturday in the easterly flow.