Map of parcels at 39 kft on 04071222 influenced by convection 0.0 to 2.5 days earlier.

Squares indicate location of convectively influenced air -- influence calculated only within black box.
Crosses indicate locations where back trajectories from squares intersect convection.
Cross, square, and trajectory colors indicate elapsed time between convection and 04071222.
Map of parcels at 39 kft on 04071222 influenced by convection 2.5 to 5.0 days earlier

Squares indicate location of convectively influenced air -- influence calculated only within black box
Crosses indicate locations where back trajectories from squares intersect convection
Cross, square, and trajectory colors indicate elapsed time between convection and 04071222

Last Image Used is 0407122145

NASA/ARC
PSL
1332 Trajectories

Last Image Used is 0407122145
Map of parcels at 39 kft on 04071222 influenced by convection 5.0 to 7.5 days earlier.

Squares indicate location of convectively influenced air; influence calculated only within black box. Crosses indicate locations where back trajectories from squares intersect convection. Cross, square, and trajectory colors indicate elapsed time between convection and 04071222.
Map of parcels at 39 kft on 04071222 influenced by convection 7.5 to 10.0 days earlier.

Squares indicate location of convectively influenced air -- influence calculated only within black box. Crosses indicate locations where back trajectories from squares intersect convection. Cross, square, and trajectory colors indicate elapsed time between convection and 04071222.