Map of parcels at 29 kft on 04071017 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 04071017.
Map of parcels at 29 kft on 04071017 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 04071017

Last Image Used is 0407101645

NASA/ARC
PSL
1320 Trajectories
Last Image Used is 0407101645
Map of parcels at 29 kft on 04071017 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 04071017

NASA/ARC
PSL
Map of parcels at 29 kft on 04071017 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 04071017

Last Image Used is 0407101645

NASA/ARC
PSL