Map of parcels at 35 kft on 04071021 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 04071021.

Last Image Used is 0407102045.

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PSL

1080 Trajectories

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Map of parcels at 35 kft on 04071021 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 04071021

NASA/ARC
PSL

1080 Trajectories

Last Image Used is 0407102045
Map of parcels at 35 kft on 04071021 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 04071021

NASA/ARC
PSL

1080 Trajectories
Last Image Used is 0407102045
Map of parcels at 35 kft on 04071021 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 04071021.

Last Image Used is 0407102045.

1080 Trajectories

NASA/ARC
PSL