

US EPA ARCHIVE DOCUMENT

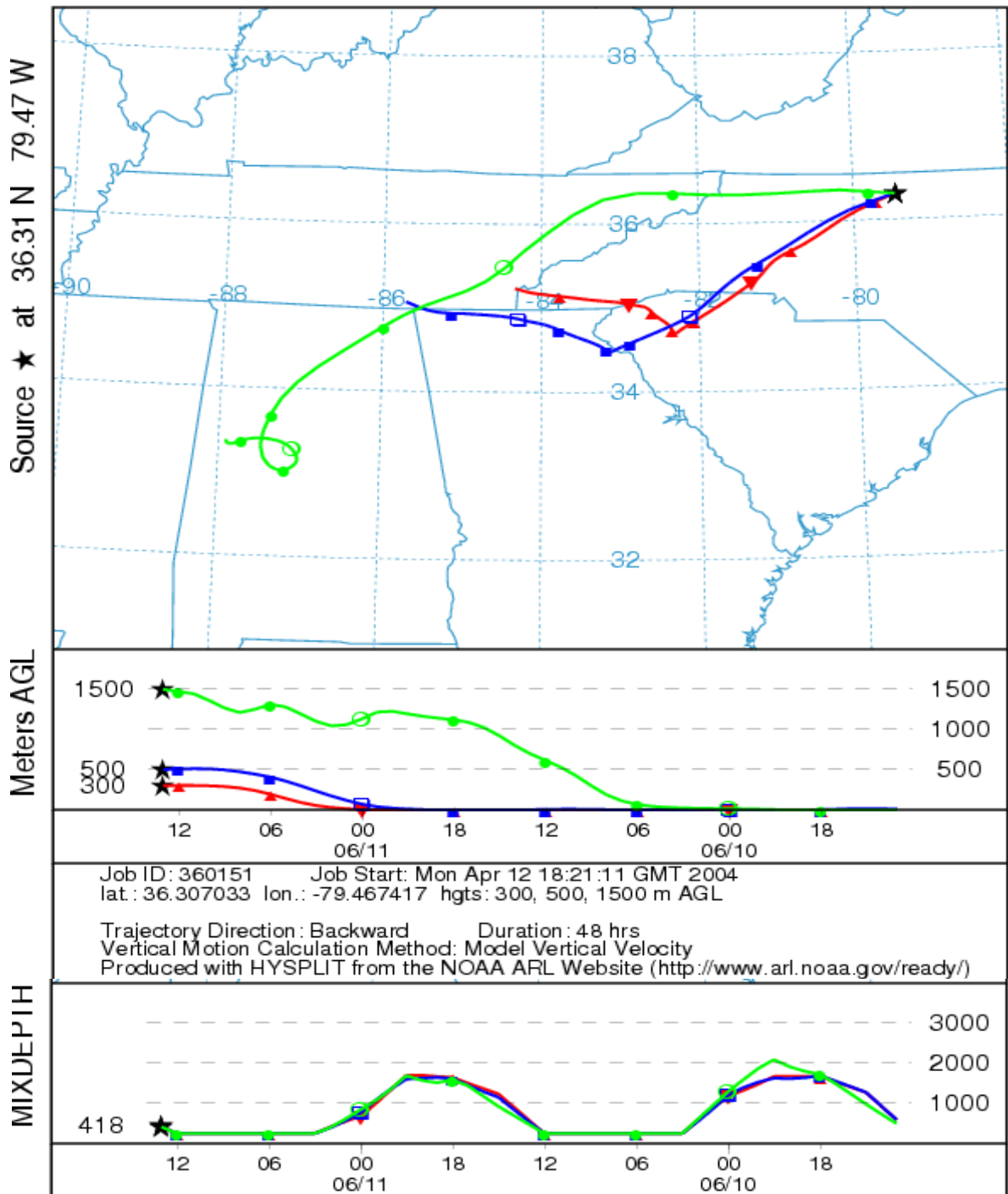
Attachment F – 8-hour Ozone Designation Docket

Caswell, NC Monitor

Site ID 370330001

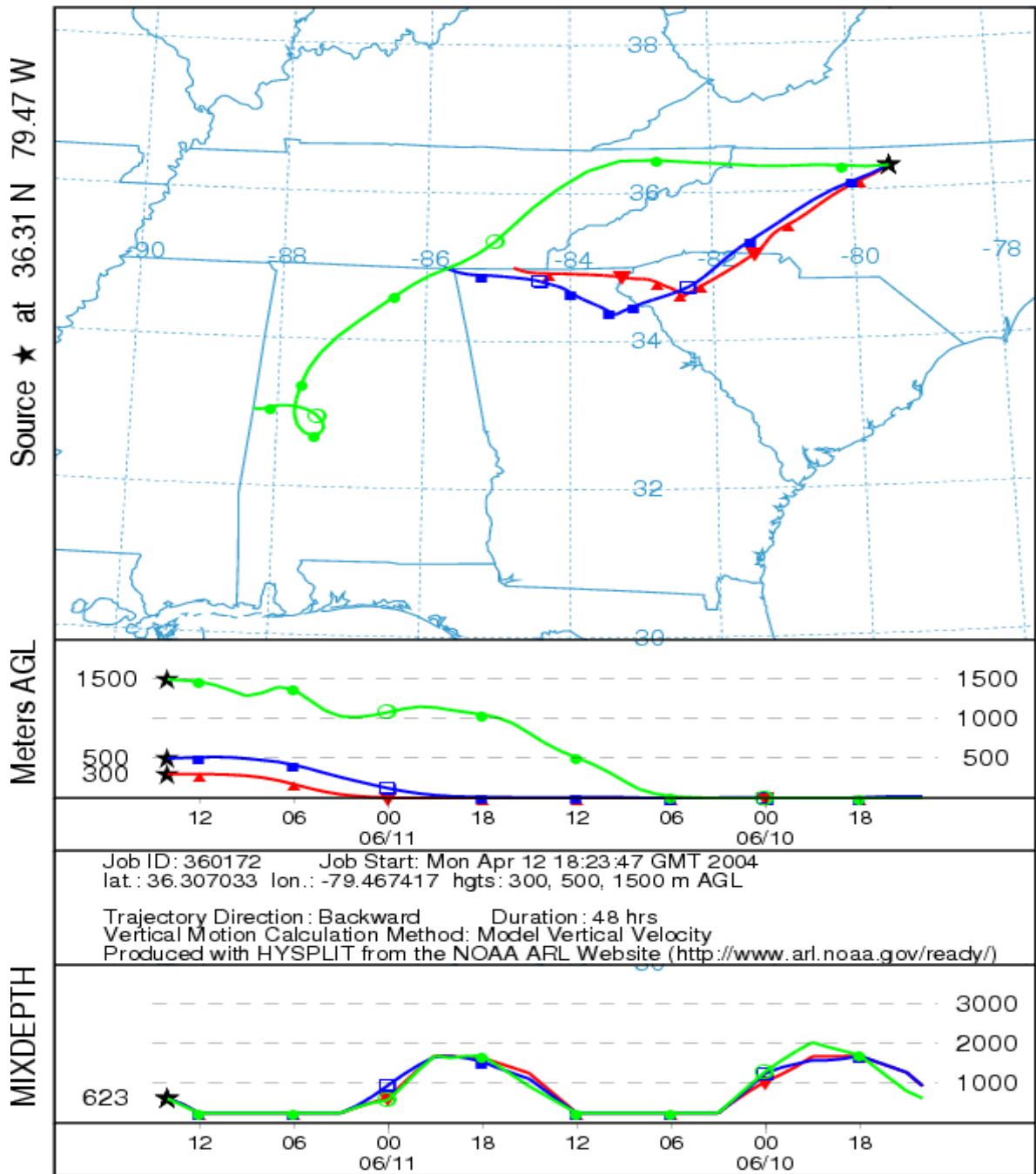
- 2003 back trajectories for June 11, 2003, collection hour beginning at 0900 hr (13 UTC)

NOAA HYSPLIT MODEL
Backward trajectories ending at 13 UTC 11 Jun 03
EDAS Meteorological Data



0900 hr = 13 UTC = 67 ppb

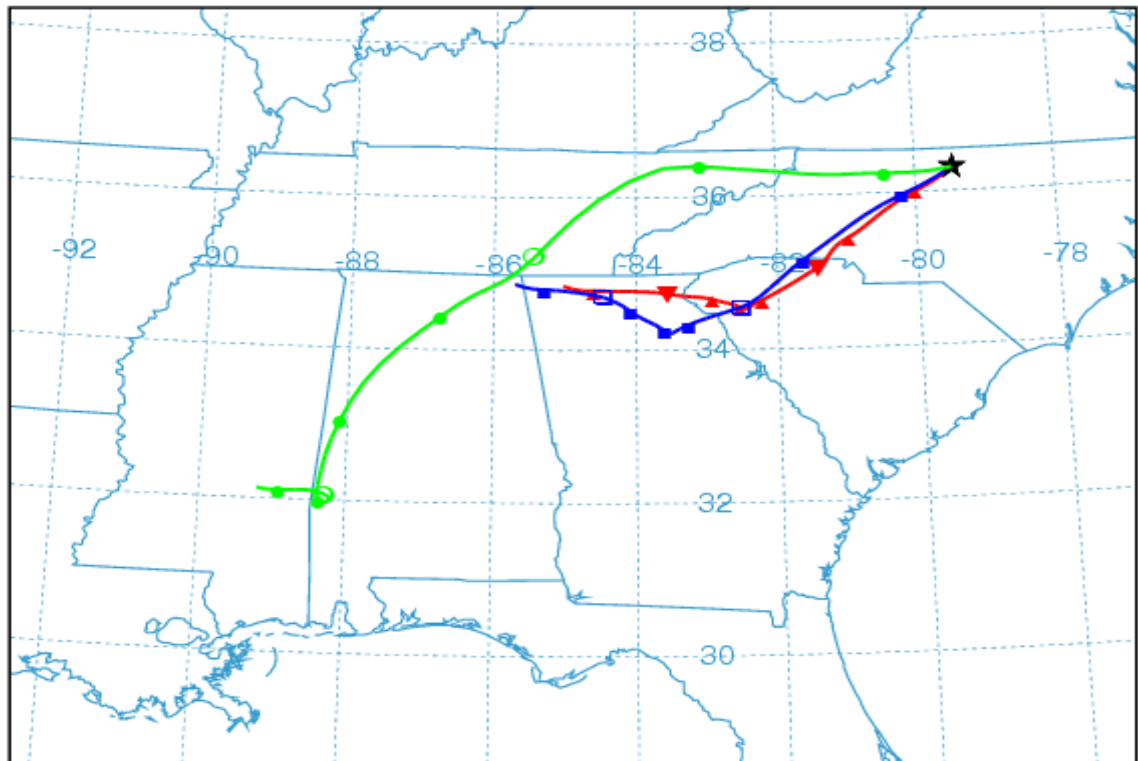
NOAA HYSPLIT MODEL
Backward trajectories ending at 14 UTC 11 Jun 03
EDAS Meteorological Data



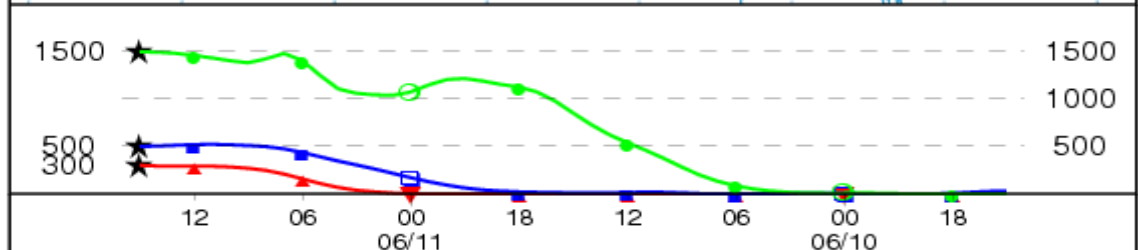
1000 hr = 14 UTC = 85 ppb

NOAA HYSPLIT MODEL
Backward trajectories ending at 15 UTC 11 Jun 03
EDAS Meteorological Data

Source ★ at 36.31 N 79.47 W



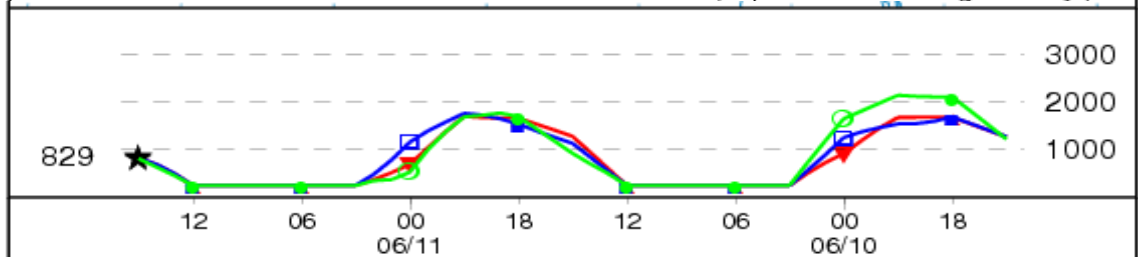
Meters AGL



Job ID: 360199 Job Start: Mon Apr 12 18:25:10 GMT 2004
lat.: 36.307033 lon.: -79.467417 hgts: 300, 500, 1500 m AGL

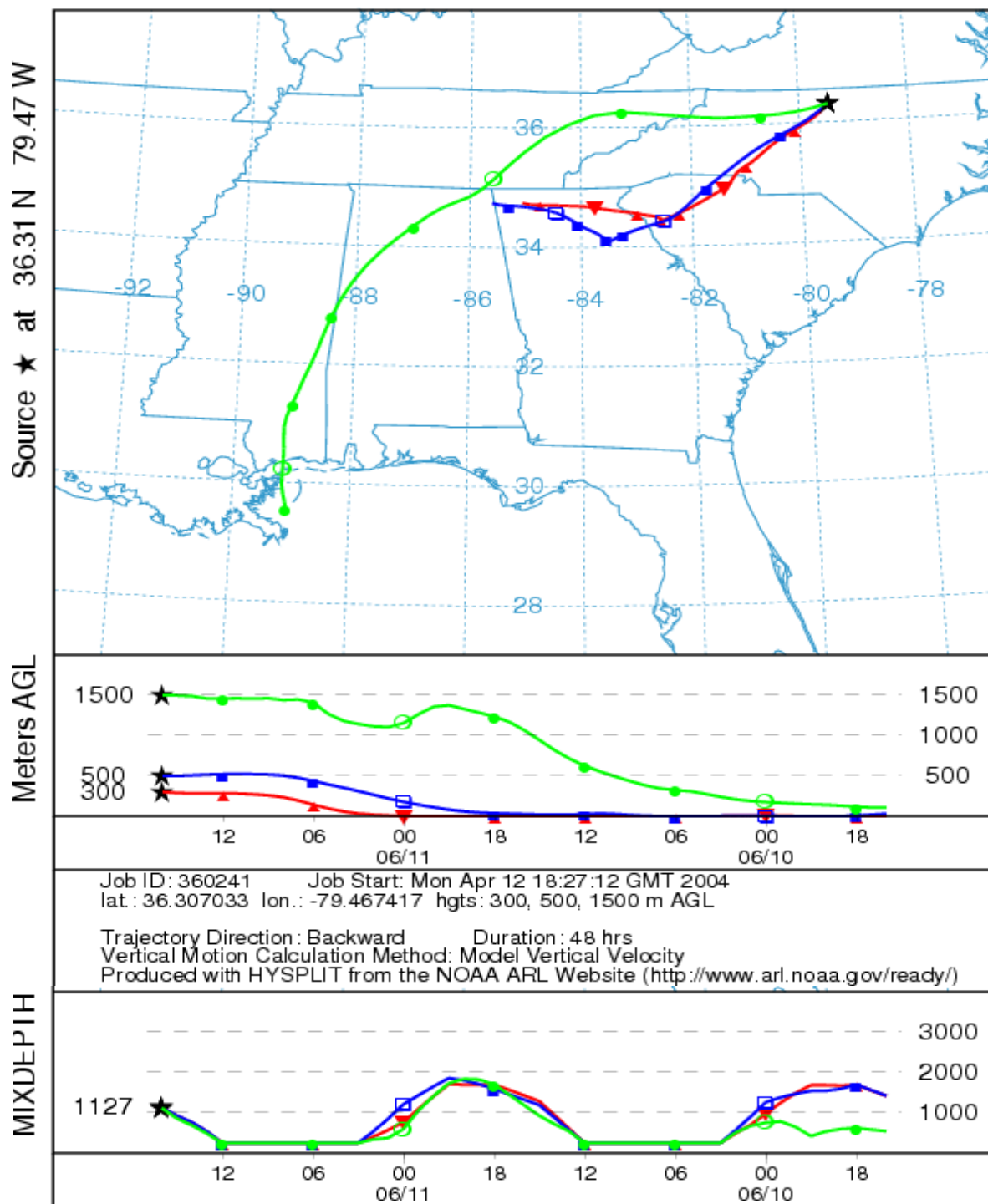
Trajectory Direction: Backward Duration: 48 hrs
Vertical Motion Calculation Method: Model Vertical Velocity
Produced with HYSPLIT from the NOAA ARL Website (<http://www.arl.noaa.gov/ready/>)

MIXDEPTH



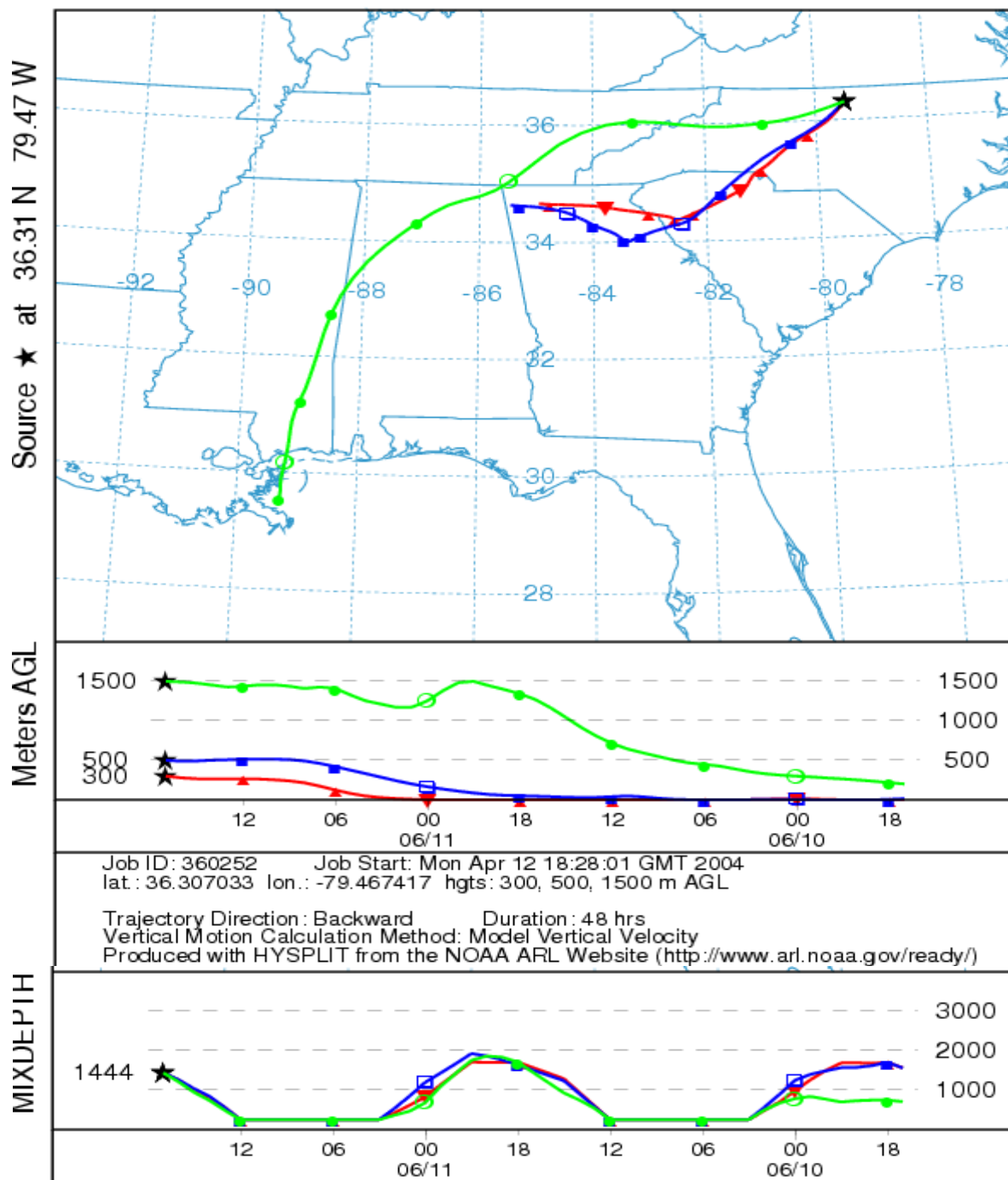
1100 hr = 15 UTC = 87 ppb

NOAA HYSPLIT MODEL
Backward trajectories ending at 16 UTC 11 Jun 03
EDAS Meteorological Data



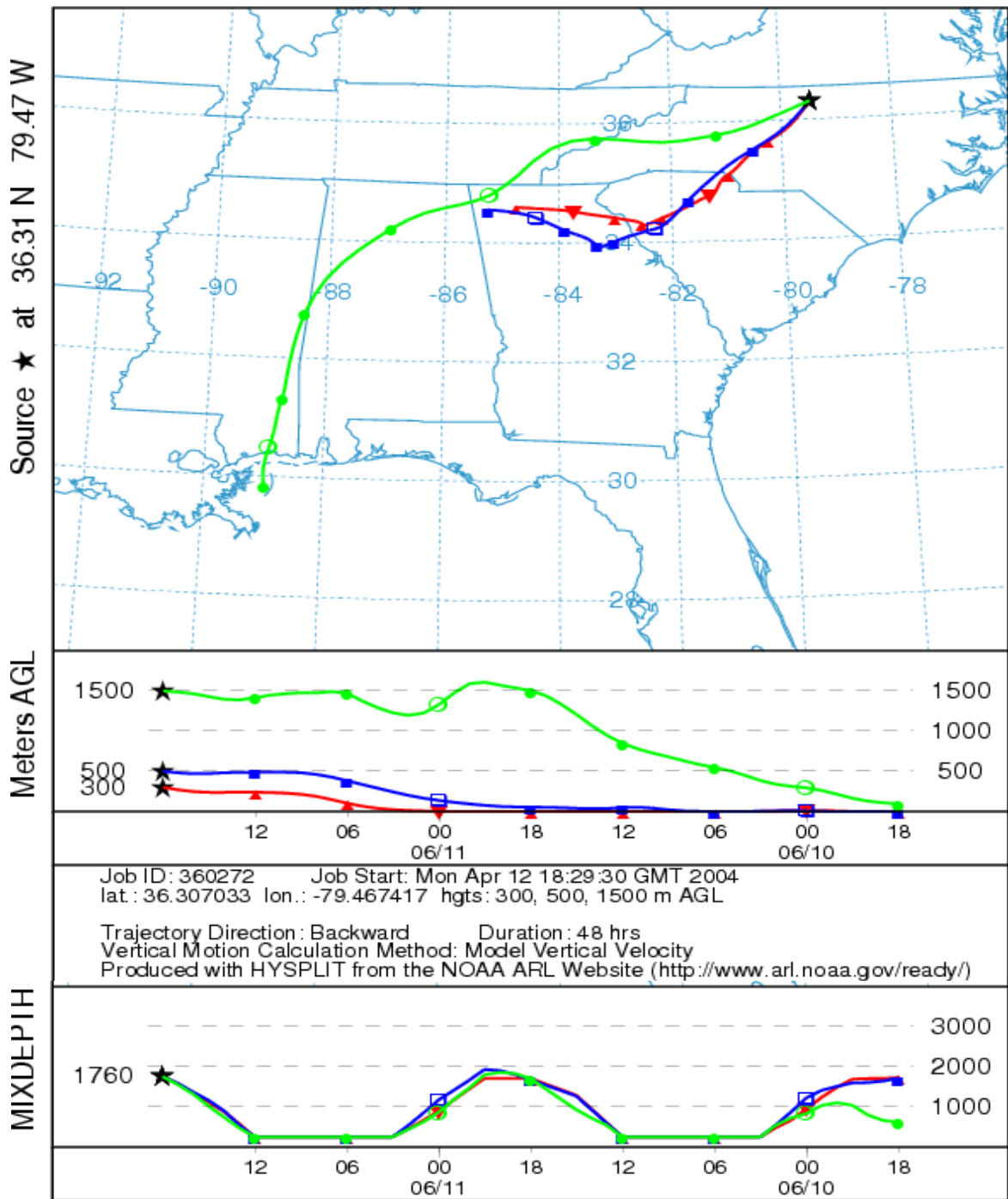
1200 hr = 16 UTC = 90 ppb

NOAA HYSPLIT MODEL
Backward trajectories ending at 17 UTC 11 Jun 03
EDAS Meteorological Data



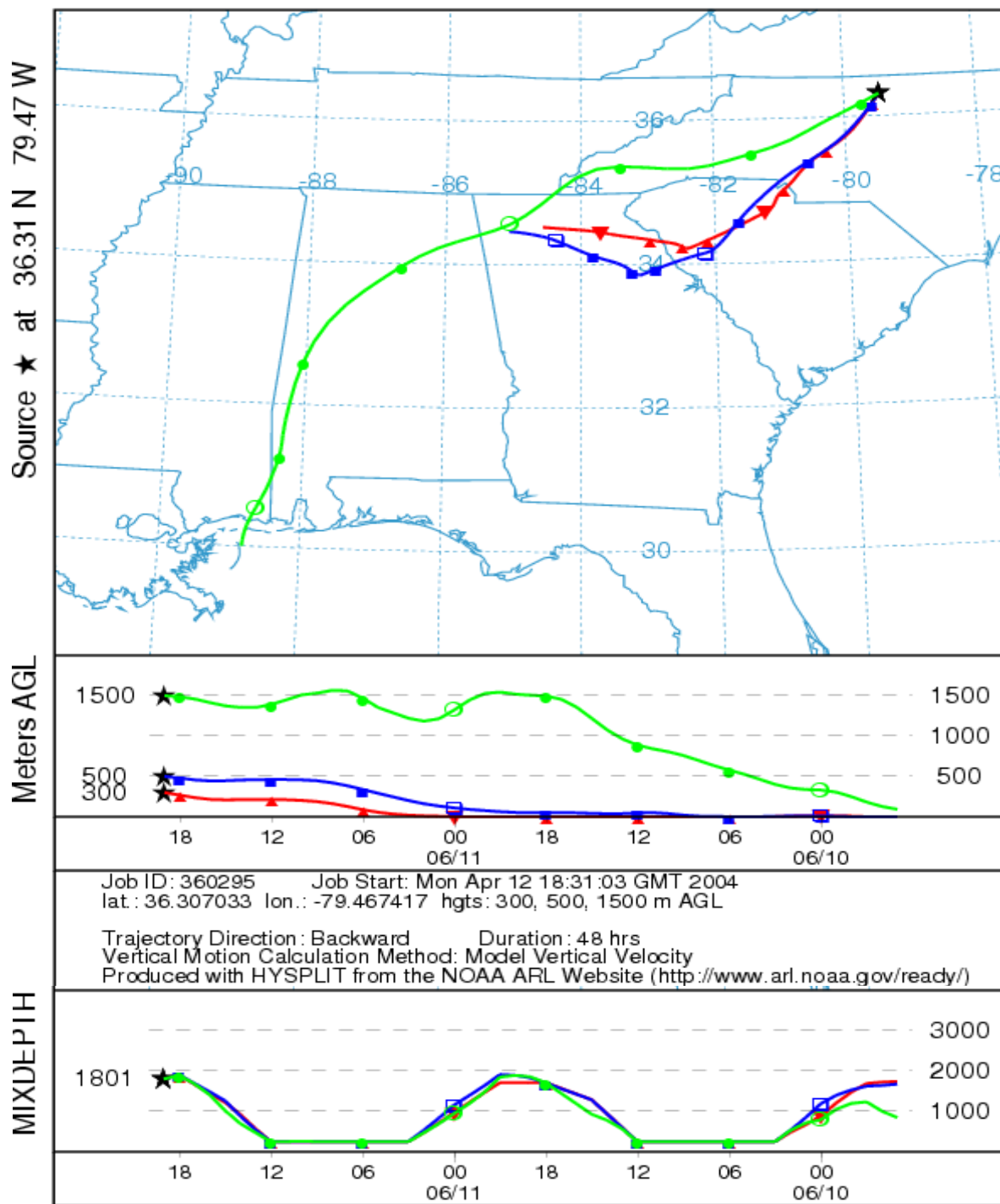
1300 hr = 17 UTC = 95 ppb

NOAA HYSPLIT MODEL
Backward trajectories ending at 18 UTC 11 Jun 03
EDAS Meteorological Data



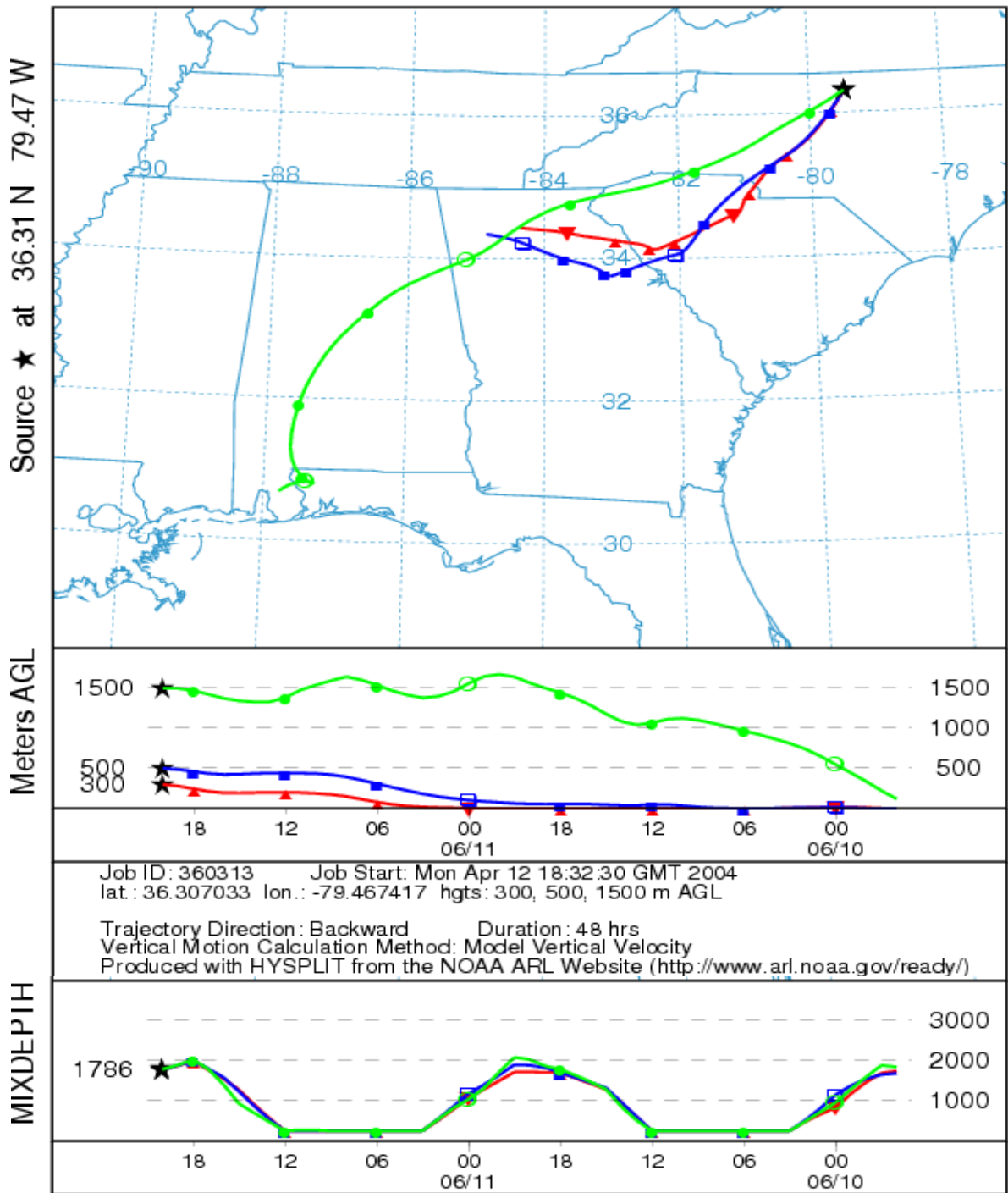
1400 hr = 18 UTC = 88 ppb

NOAA HYSPLIT MODEL
Backward trajectories ending at 19 UTC 11 Jun 03
EDAS Meteorological Data



1500 hr = 19 UTC = 80 ppb

NOAA HYSPLIT MODEL
Backward trajectories ending at 20 UTC 11 Jun 03
EDAS Meteorological Data



1600 hr = 20 UTC = 72 ppb