



Air Quality Forecast at CCA-UNAM

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Status

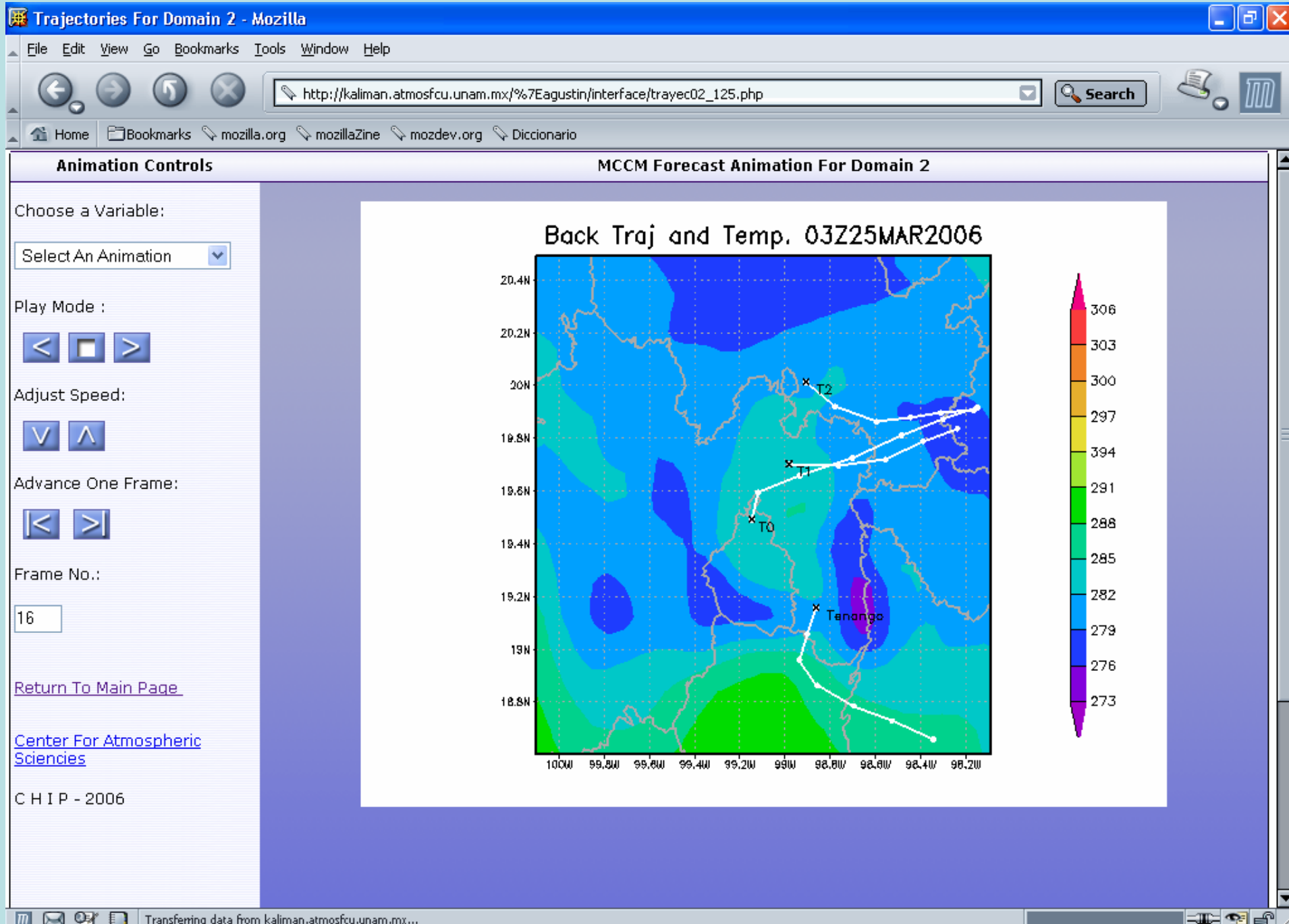
- Since February 27th, 2006. Web page with results from Meteorological and AQ are in the web.
- <http://kaliman.atmosfcu.unam.mx/~milagro/index.html>
- Forecast products from Tropical Meteorology group (E. Caetano) is used to produce the A.Q forecast

Forecast web page presentation

MILAGRO
(Megacity Initiative: Local And Global Research Observations)

DOMAIN 1 (Mexican Republic)	DOMAIN 2 (Mexico Valley)
Upper levels	Upper levels
Streamlines	Streamlines
Surface	Surface
Clouds	Clouds
Wind vertical profile	Air Quality
Site T0	Surface Temp. & Winds
Site T1	Carbon Monoxide
Site T2	Nitrogen Dioxide
Site Veracruz	Sulfur Dioxide
	Trajectories 2
	Trajectories

Some products



Forecast in Milagro Field Catalog

The screenshot shows a web browser window titled "EOL/MILAGRO FIELD CATALOG - Model - Mozilla". The address bar contains the URL "http://catalog.eol.ucar.edu/cgi-bin/milagro/model/index". The page displays several sections for forecast products, each with a dropdown menu for the product type, a dropdown for the forecast type, and buttons for "Start Date", "End Date", and "Get Data".

- FLEXPART Forecast Products**
FLEXPART: 300_MC_COt_Height, Latest, Start Date, End Date, Get Data
- MM5 FLEXPART Forecast Products**
MM5_FLEXPART: 700_Vec_12km, Latest, Start Date, End Date, Get Data
- GFS Forecast Products**
GFS: 000_MSLP_500_Heights, Latest, Start Date, End Date, Get Data
- ETA Forecast Products**
ETA: 000_MSLP_Winds, Latest, Start Date, End Date, Get Data
- RUC Forecast Products**
RUC: 000_Clouds, Latest, Start Date, End Date, Get Data
- MCCM UNAM Forecast Products**
mccm_unam_4km: surface_CO, Latest, Start Date, End Date, Get Data
mm5_unam_8km: surface_traject, Latest, Start Date, End Date, Get Data
- SMN MM5 Forecast Products**
SMN_MM5: 000_Precipitation, Latest, Start Date, End Date, Get Data

A black arrow points to the "MCCM UNAM Forecast Products" section.

[Back to MILAGRO Field Catalog](#)

Forecast status

- Forecast started since February 27th
- Power failures affected runs on 9, 14, 15, 16, 19, 20 and 22 of March
- Figures of surface concentrations of CO, NO₂, SO₂ and O₃, Back trajectories for Domain 2 and 3 were made since the beginning
- Wind field figures started on March, 9th
- Input files saved since March 17th

Description of columns

Date	Initial date of forecast
No. Hours	Forecast hours
RAMA	Model output to compare with rama stations
O3 figs	Ozone surface concentrations figures per hour
NO2 fig	NO2 surface concentrations figures per hour
CO fig	CO surface concentrations figures per hour
SO2 fig	SO2 surface concentrations figures per hour
Traj D3	Trajectories domain 3 figures per hour
Traj D2	Trajectories domain 2 figures per hour
wnd D2	wind surface figures per hour
NC output	Model output in netcdf format
MCCMsfc Output	Surface Model output in mm5 v3 format
MMOUT_DOMAIN2	Domain 2 output in mm5 v3 format