CANSAC
California and Nevada Smoke and Air Committee

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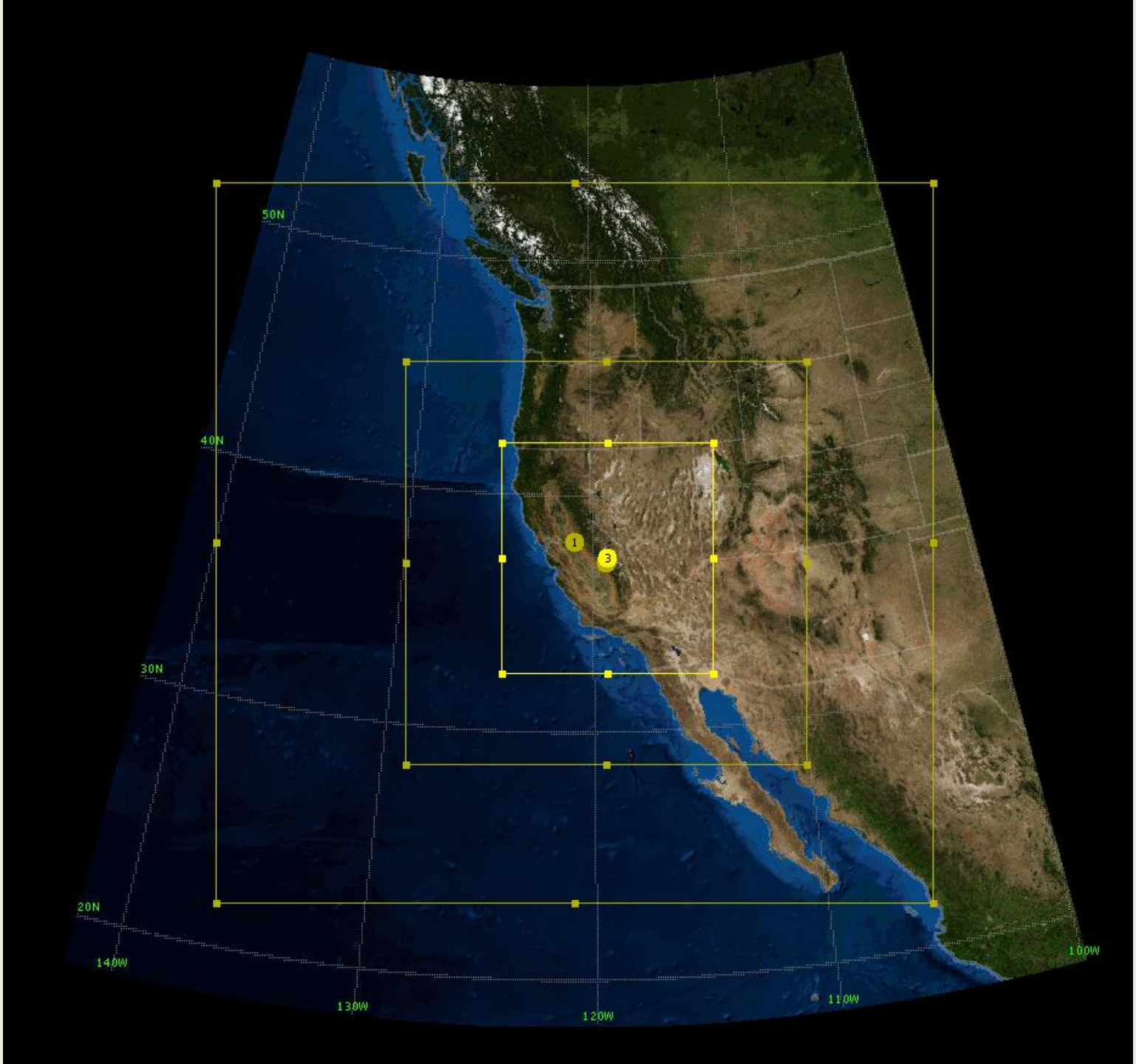
A Brief History of CANSAC

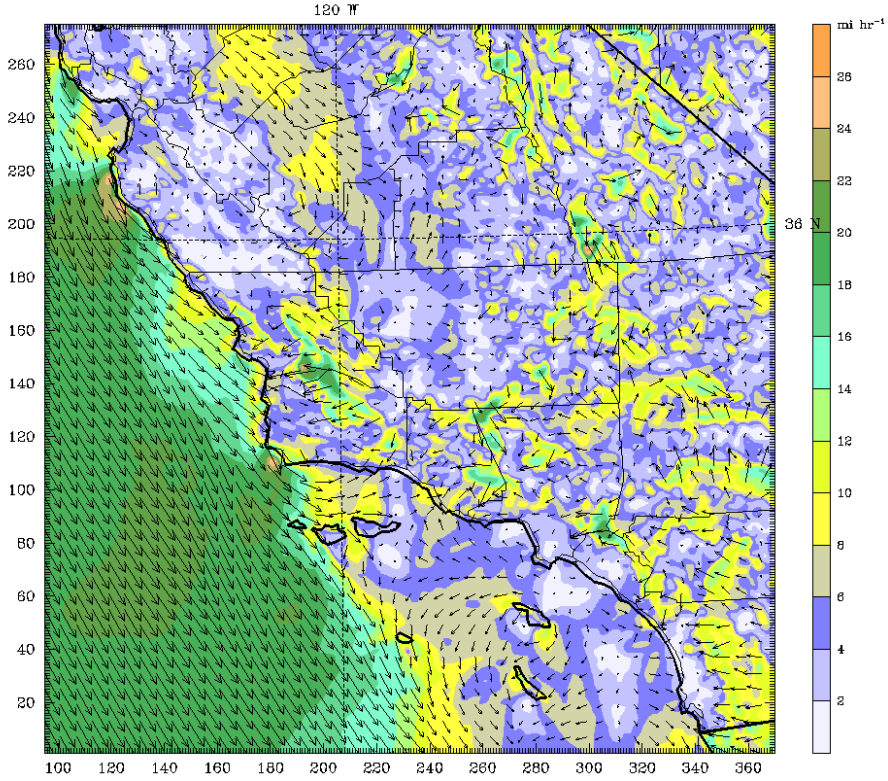
- Formed 2002
- MM5 operational products began May 2004
- WRF operational products began May 2010
- Organizational body
  - Board of Directors
  - Operational and Applications Group
  - Technical Advisory Group

Board Partners

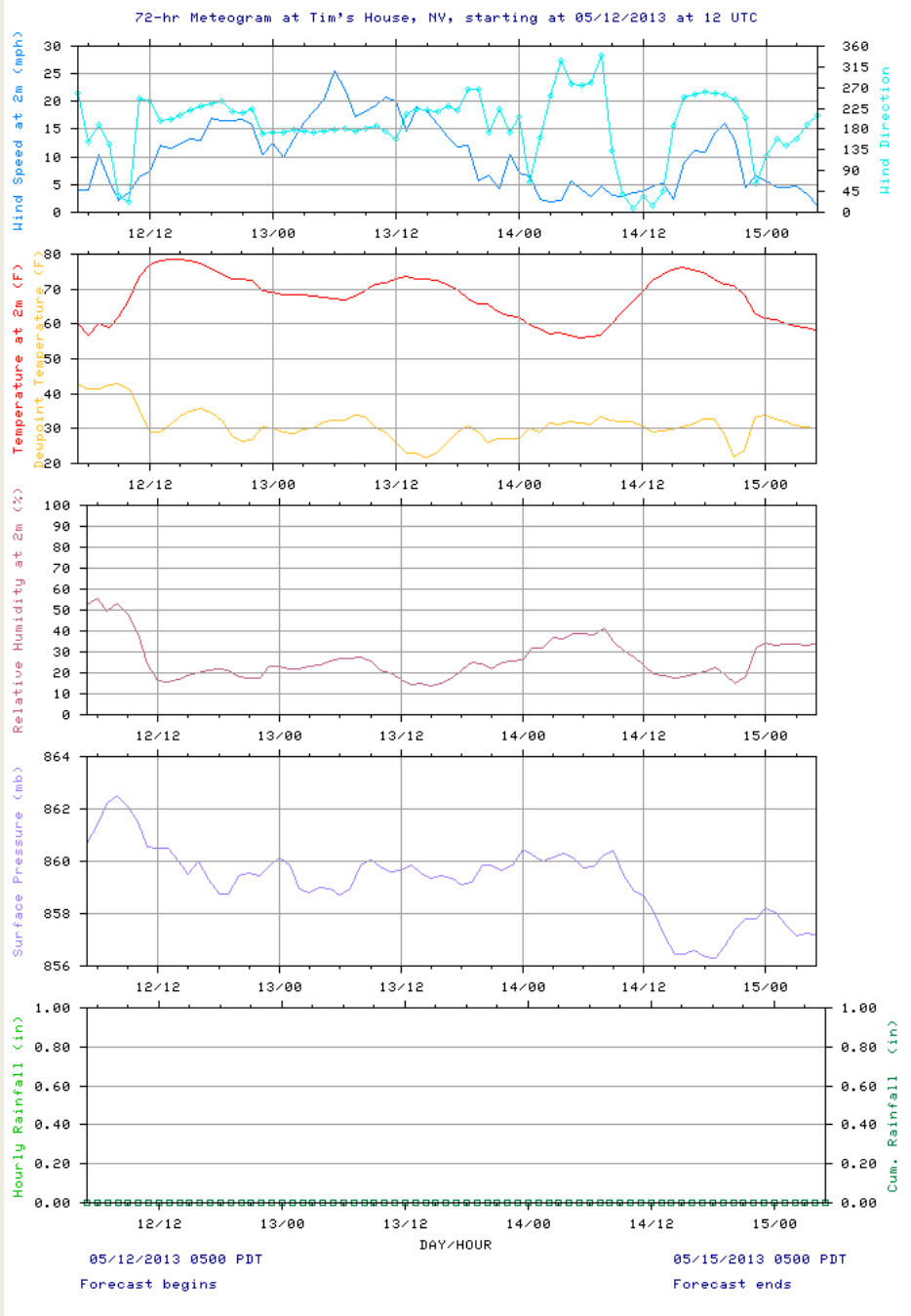
- Fire
  - USFS R5
  - USFS PSW
  - BLM-CA
  - NPS
- Air Quality
  - CARB
  - San Joaquin Valley
  - Bay Area


50N
40N
30N
20N
140W
130W
120W
110W
100W
1
3

CANSAC WRF Realtime: Domain 3 (2 km) Init: 1200 UTC Sun 12 May 13
Fcst: 3.00 h Valid: 1500 UTC Sun 12 May 13 (0800 PDT Sun 12 May 13)
Horizontal wind speed at height = 0.01 km sm= 1
Horizontal wind vectors at height = 0.01 km sm= 1



Model Info: V3.3.1 No Cu YSU PBL Lin et al Noah LSM 2.0 km, 31 levels, 12 sec
LW: RRTM SW: Dudhia DIFF: simple KM: 2D Smagor



BlueSky Modeling Framework

Fire Info

SMARTFIRE
ICS-209
Rx Sys
Manual
Other

Fuels

FCCS
NFDRS
Hardy
GVDS
LANDFIRE*
Ag*
Other

Total Consumption

CONSUME 4
FOFEM
FEPS
EPM
FLAMBE
FINN
ClearSky (Ag)*
Satellite*
Other

Time Rate

Rx / WF
FEPS
FOFEM
EPM
WRAP
Idealized
Manual
Other

Emissions

FEPS
Literature*
EPM
FOFEM
FLAMBE
FINN
Other

Plume Rise

Briggs
Multi-core**
Daysmoke**
Other

Dispersion / Trajectories

CalPuff
HYSPLIT
CMAQ
GEMAQ**

Modular, easy to use
Multiple modeling choices
Expandable

National FCAMMS Smoke Dispersion Forecast Guidance

Start | Show | Rock | Set Animation Speed | < | > | Zoom | Refresh

Map Selections:

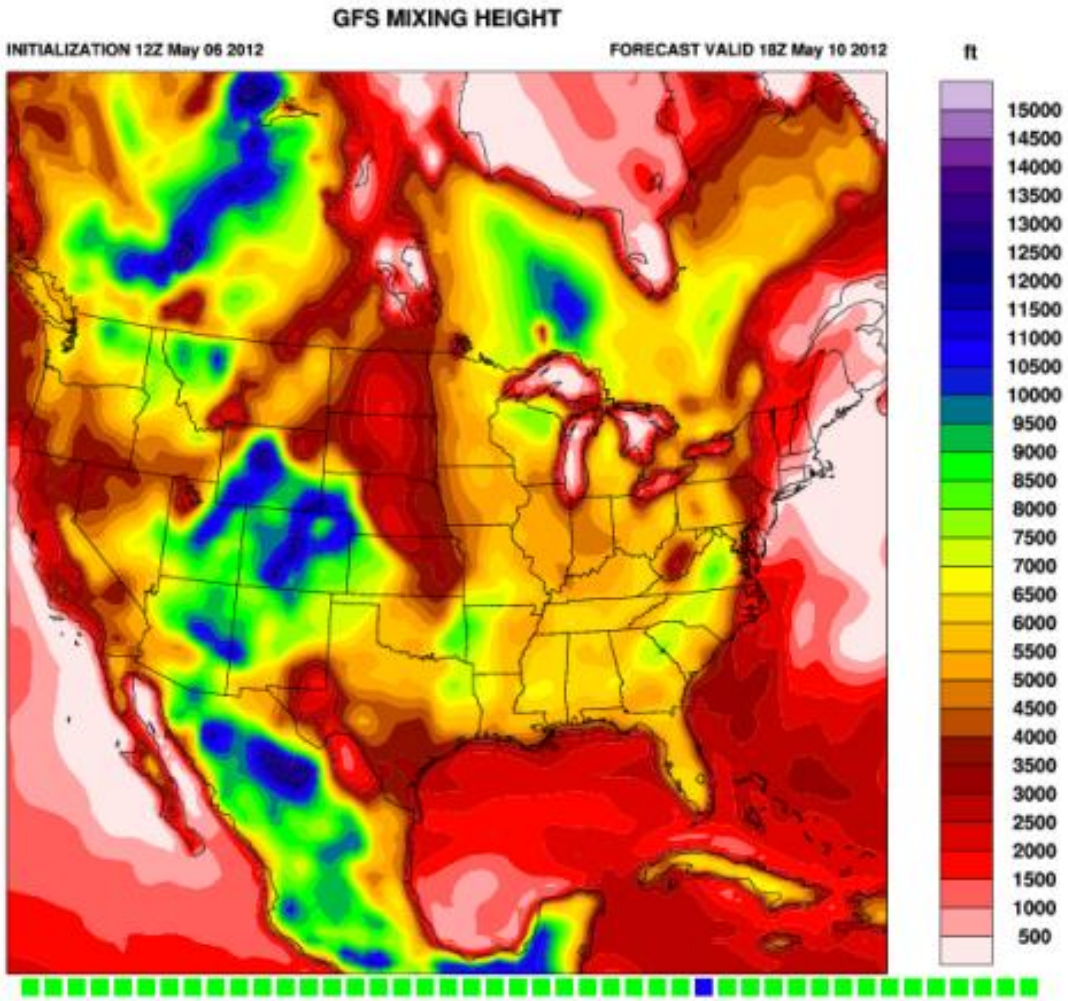
- Model: GFS
- Region: National
- Units: knots-feet
- Boundaries: States

GFS Based

Latest: 20120506 12z

Viewer:

- PM 2.5
- Mixing Height
- Ventilation Rate
- Ventilation Rate/Transport Wind
- Transport Wind
- Haines Index: low
- Google Earth*
- Forecast Grid
- Comparison Grid



- Product Description
- Disclaimer
- Product Schedule

*coming soon