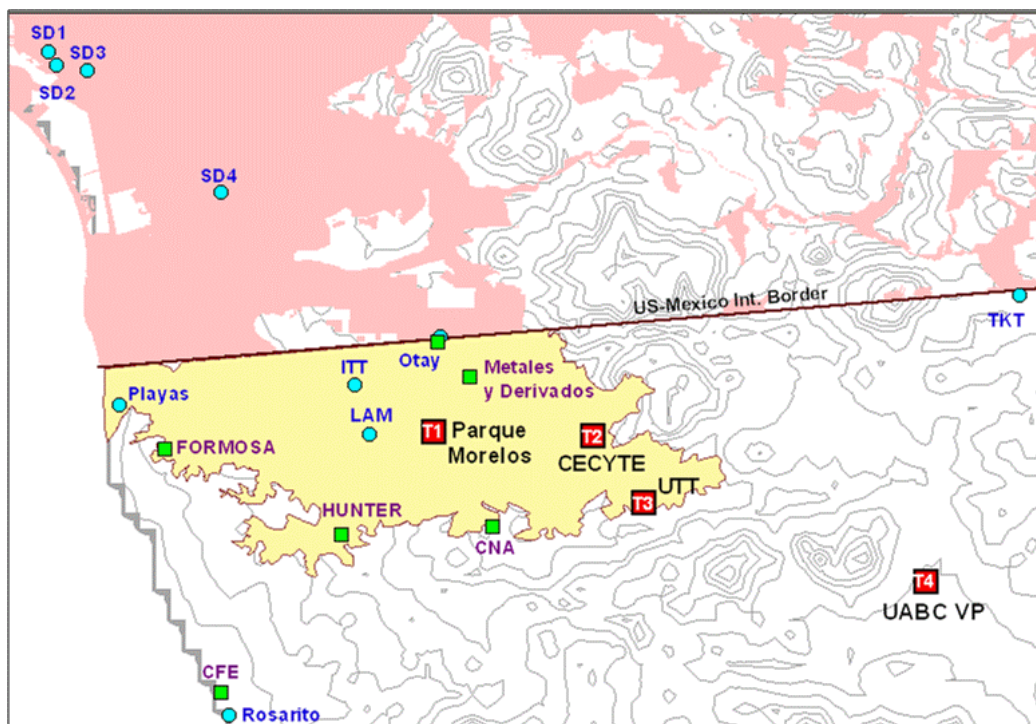


CAL-MEX 2010 MEASUREMENT SITES



■ Fixed sites; ■ Additional measurement sites; ● Ambient monitoring stations

Central fixed site: Parque Morelos

4 Monitoring sites for criteria pollutants and meteorological parameters; Metales y Derivados, CECYTE, UTT, UABC-VP

2 Meteorological Stations: Hunter Industry, Formosa Prosonic

Sampling sites for VOCs, PM, and other pollutants: various sites including those shown in the maps.

VT mobile lab and MCE2 mobile Mini-DOAS will circulate at various sites between Tijuana and Rosarito.

NOTE:

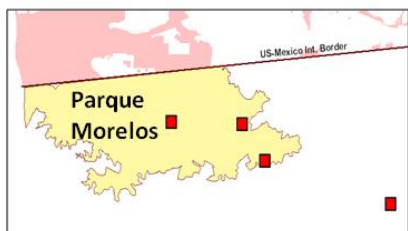
T1: Parque Morelos – Tijuana Municipal System Theme Park (SIMPATT)

T2: CECYTE - El Colegio de Estudios Científicos y Tecnológicos del Estado de Baja California

T3: UTT - Universidad Tecnológica de Tijuana

T4: UABC-VP - Universidad Autónoma de Baja California, Campus Valle de las Palmas

T1- Supersite (Parque Morelos) Groups



- MCE2
- UNAM
- TAMU
- UCSD/SIO
- UABC
- CENICA
- UAEM

Measurements:

- O_3 , SO_2 , CO, NO, NO_2
- THC/NMTHC, PAH
- PAN, NO_y/HNO_3
- PM10, PM2.5, PM1
- Active surface Area
- Black carbon
- Trace elements and Pb isotopes
- Submicron org functional group
- Particle morphology and composition
- PM1 inorganics and organics
- PM1 organic mass spectra
- Spores and pollen
- T, P, RH, WS, WD, radiance
- Vertical O_3 , T, P, RH, WS, WD

Google Map showing the area that will be used for Cal-Mex



Trailer for equipment and offices



Trailer for instrumentation



UNAM Trailer



Virginia Tech Mobile Lab (will be parked at Morelos at night)

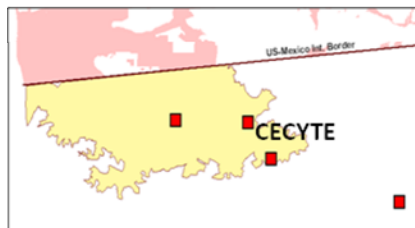


Left: Tethered balloon will be launched three times daily at the site
(vertical profile of meteorological parameters and ozone)



Right: Radiosondes will be launched twice daily for 3 weeks
(measure pressure, temperature, humidity and winds)

T2- CECYTE Site



Groups

- CENICA
- UNAM



Measurements:

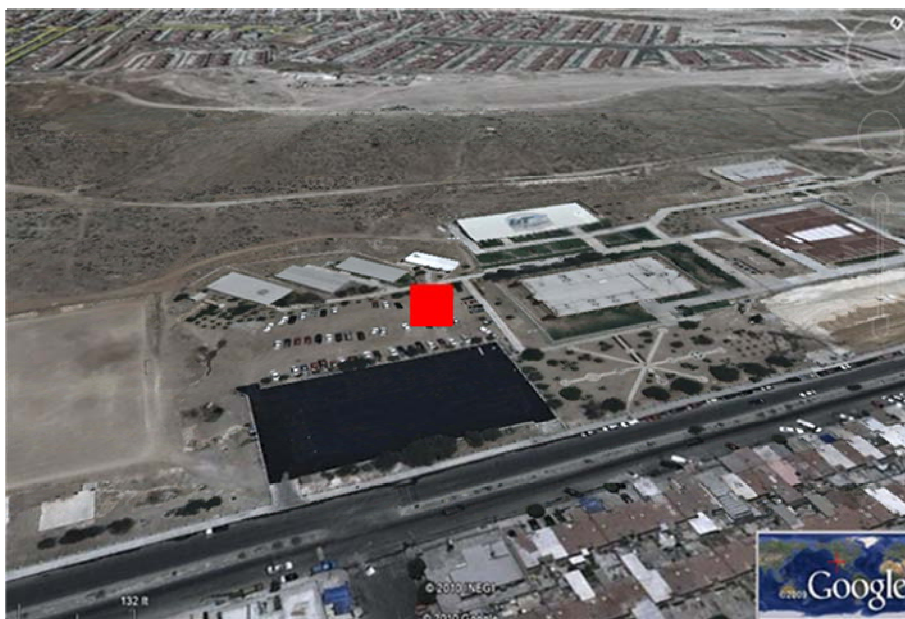
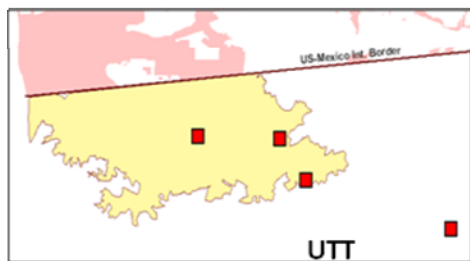
- O_3
- SO_2
- NO , NO_2 , NO_x
- PM_{10} and $PM_{2.5}$
- EC/OC
- Trace elements and Pb isotopes
- Spores and Pollen
- T, P, RH, WS, WD





CENICA Air Pointer

T3- UTT Site



Groups

- UNAM
- UTT

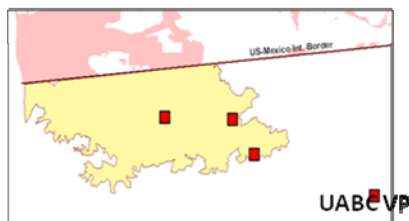
Measurements:

- O_3
- SO_2
- CO
- NO, NO_2 , NO_x
- PST
- T, P, RH, WS, WD



UNAM Air Pointer

T4- UABC VP Site



Groups

- CENICA
- UABC - VP
- UNAM

Measurements:

- O_2
- SO_2
- CO
- NO, NO_2 , NO_x
- PM₁₀, PM_{2.5}
- T, P, RH, WS, WD, radiance



CENICA Mobile Unit

Metales y Derivados Site: CENICA Mobile Unit I



Hunter Industry Site: Meteorological Station (AAI)



Formosa Prosonic Site: Meteorological Station (UNAM)