

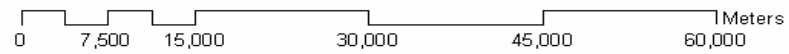
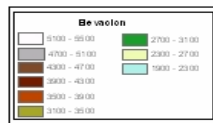
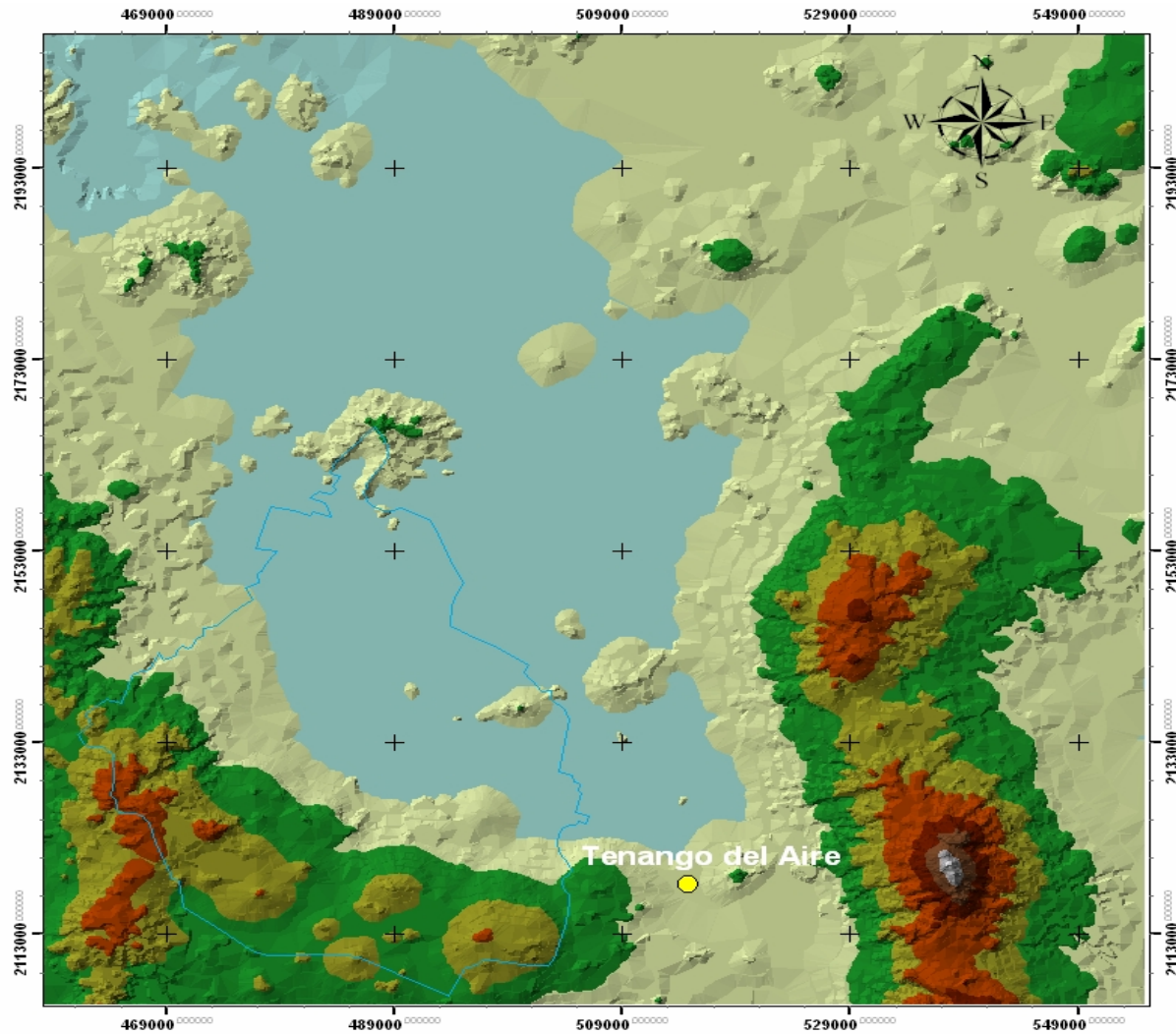
TENANGO DEL AIRE

- Institutions
 - CCA UNAM
 - CENICA
 - IMK IFU
 - Colorado State University
 - ?? Barcelona ??

INSTITUTION	INSTRUMENT	PI	E-MAIL	STATUS
CCA-UNAM	O3, CO, SO2	Gerardo Ruiz	ruizs@servidor.una m.mx	operative operative on NOx mode, NOy starting today
CCA-UNAM	NO, NOx/NOy	Gerardo Ruiz		starting today
CCA-UNAM	Tot. VOC, NMVOC	Gerardo Ruiz		setting up
CCA-UNAM	Wind Speed & Dir. TRH	Gerardo Ruiz		operative
CCA-UNAM	UV (Eppley) & global rad.	Gerardo Ruiz		operative
CCA-UNAM	RO2 chemical amplifier	Gerardo Ruiz		setting up
CCA-UNAM	H2O2, sampler	Gerardo Ruiz		operative
CCA-UNAM	HNO3, anular denuder sampler	Gerardo Ruiz		starting today
CCA-UNAM	Speciated VOC by cartridges	Gerardo Ruiz		operative
CCA-UNAM	Speciated VOC by canisters	Gerardo Ruiz		starting today

CCA-UNAM	Passive DOAS (column NO2)	Michel Grutter	grutter@servidor.unam.mx	operative
IMK-IFU	CH2O, Hantzch	Wolfgang Junkermann	Wolfgang.Junkermann@imk.fzk.de	operative
IMK-IFU	spectroradiometer	Wolfgang Junkermann		operative
IMK-IFU	cielometer	Rainer Steinbrecher	rainer.steinbrecher@imk.fzk.de	operative
IMK-IFU	ultra light plane	Wolfgang Junkermann		operative
Colorado State University	UV MFR	James Slusser		operative
CENICA	Baloon tracking	Henry Wohrnschimmel	henrywo@ine.gob.mx	operative
CENICA	Hihg Vol. PM			to be set
Barcelona ??	PM			to be set
CCA-UNAM	MM5 & MCCM modeling	Agustín García, Aron Jazcilevich	jazcilev@servidor.unam	

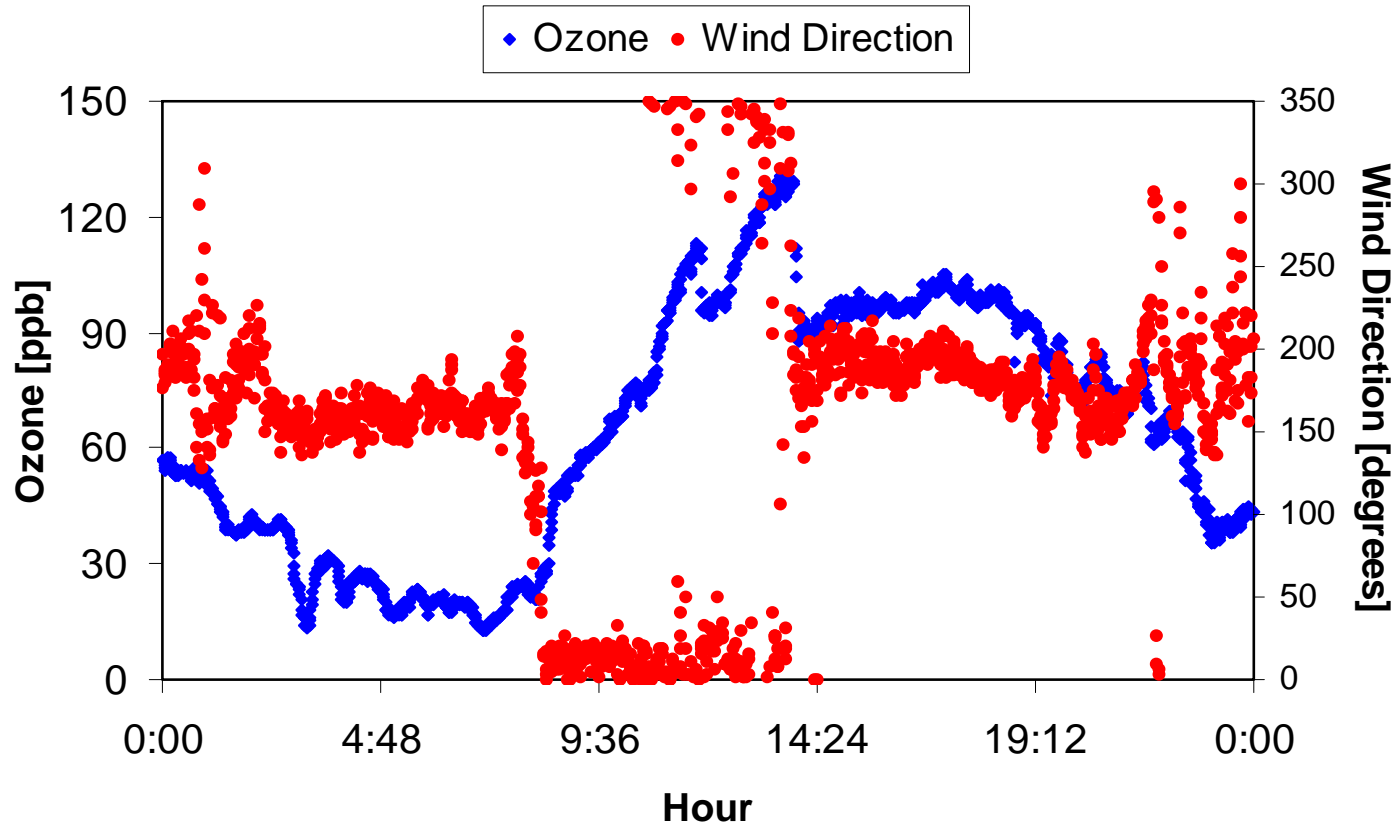
- GROUND ELEVATION: 2500 m
- SITE LAND USE: FOREST/CROPS
- SITE LOCATION: RURAL
- MEASUREMENTS START: MARCH 1ST., 2006



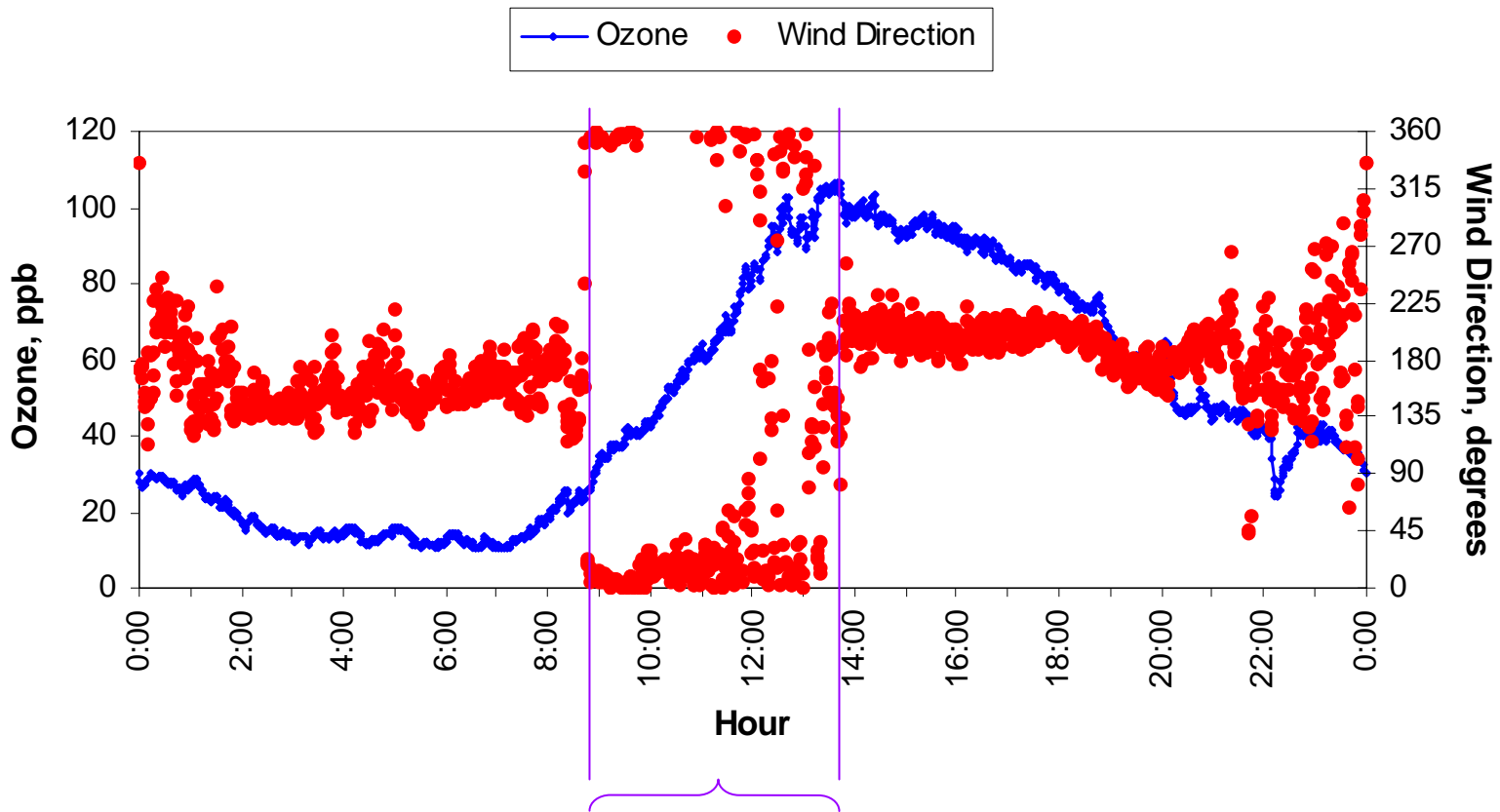
ESCALA: 1:500000



March 13, 2006, Tenango del Aire

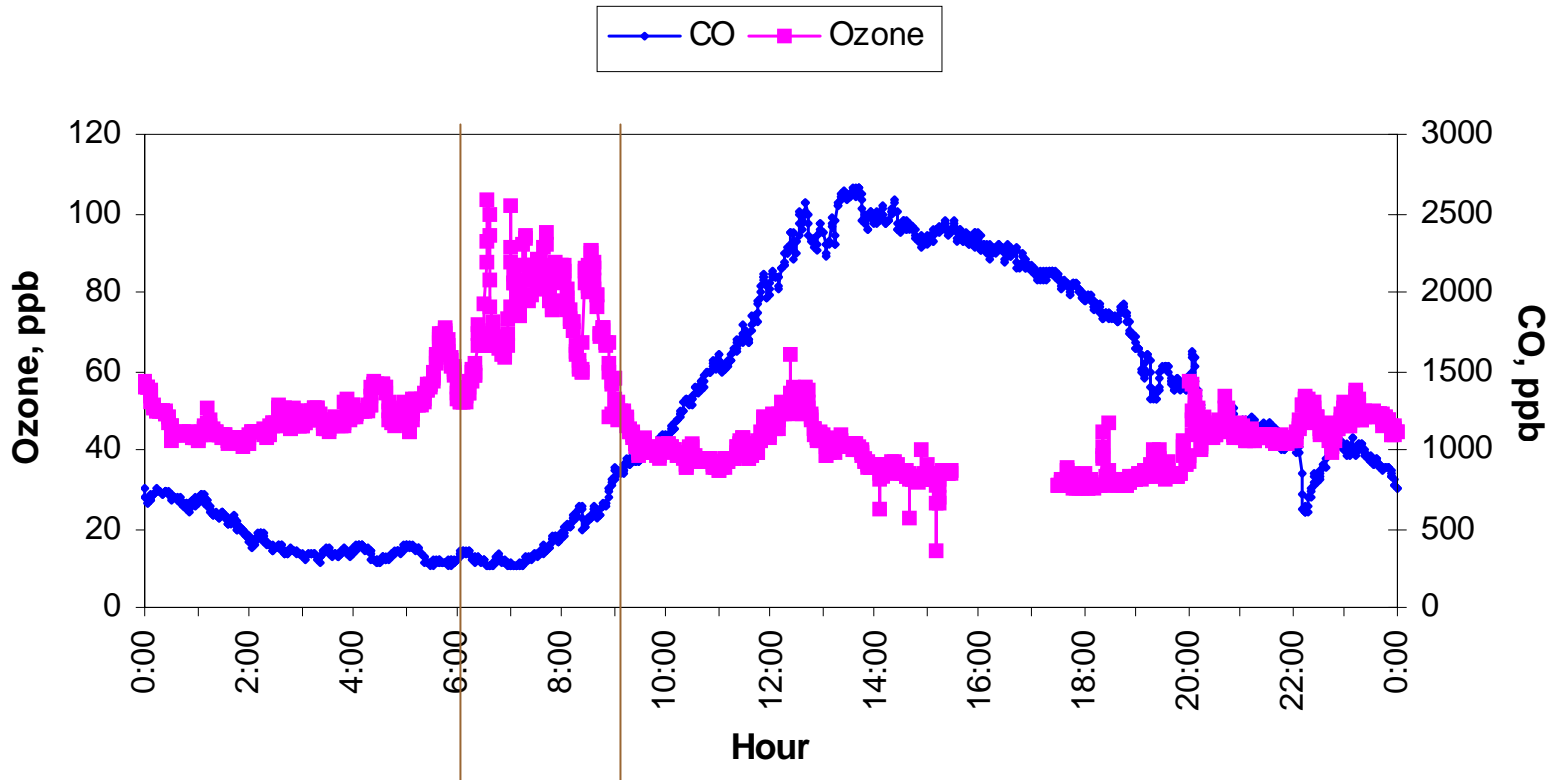


March 6, 2006, Tenango

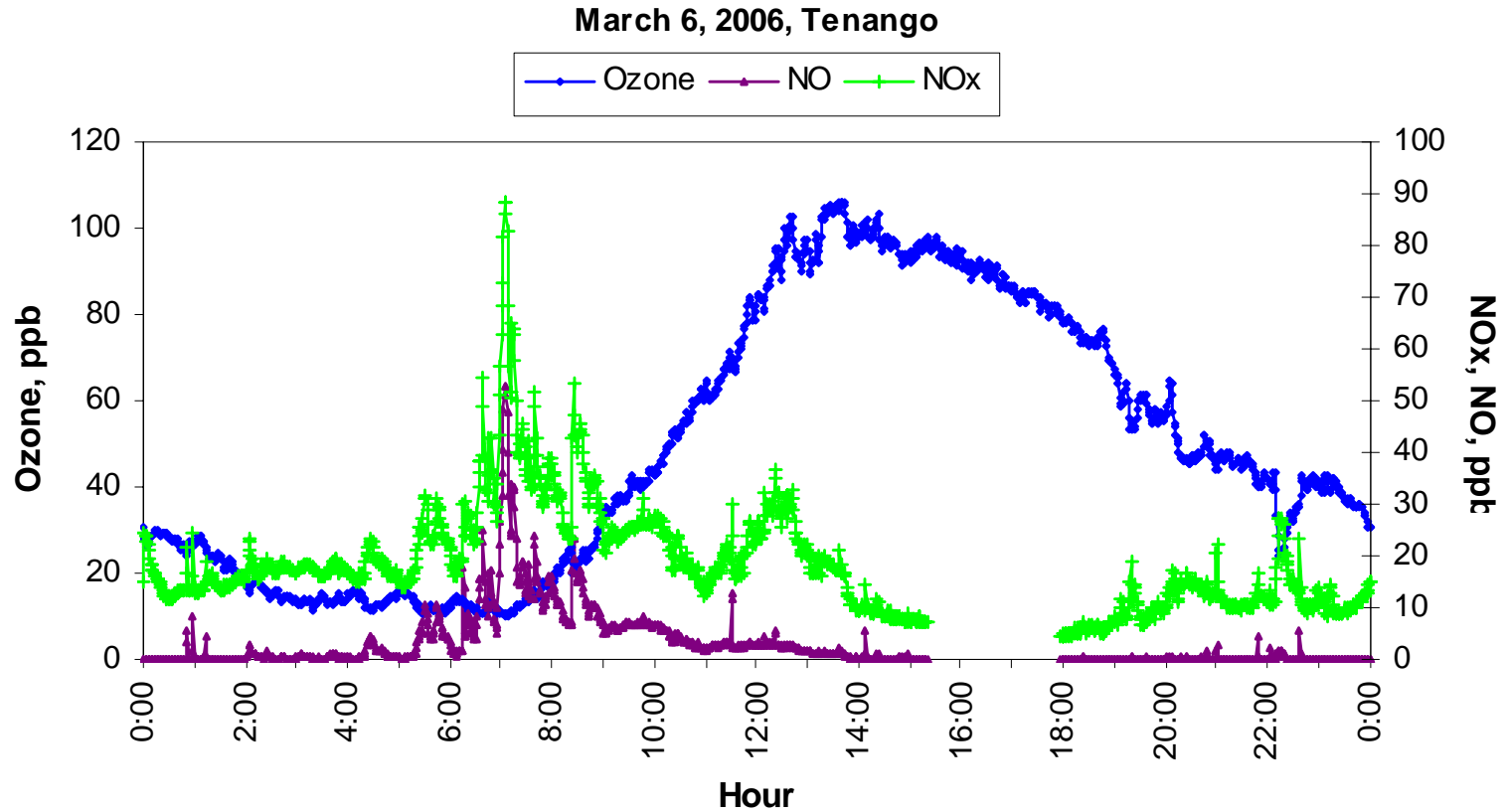


WINDS COMING FROM THE NORTH SUGGEST THAT OZONE PRECURSORS COME FROM MEXICO CITY

March 6, 2006, Tenango

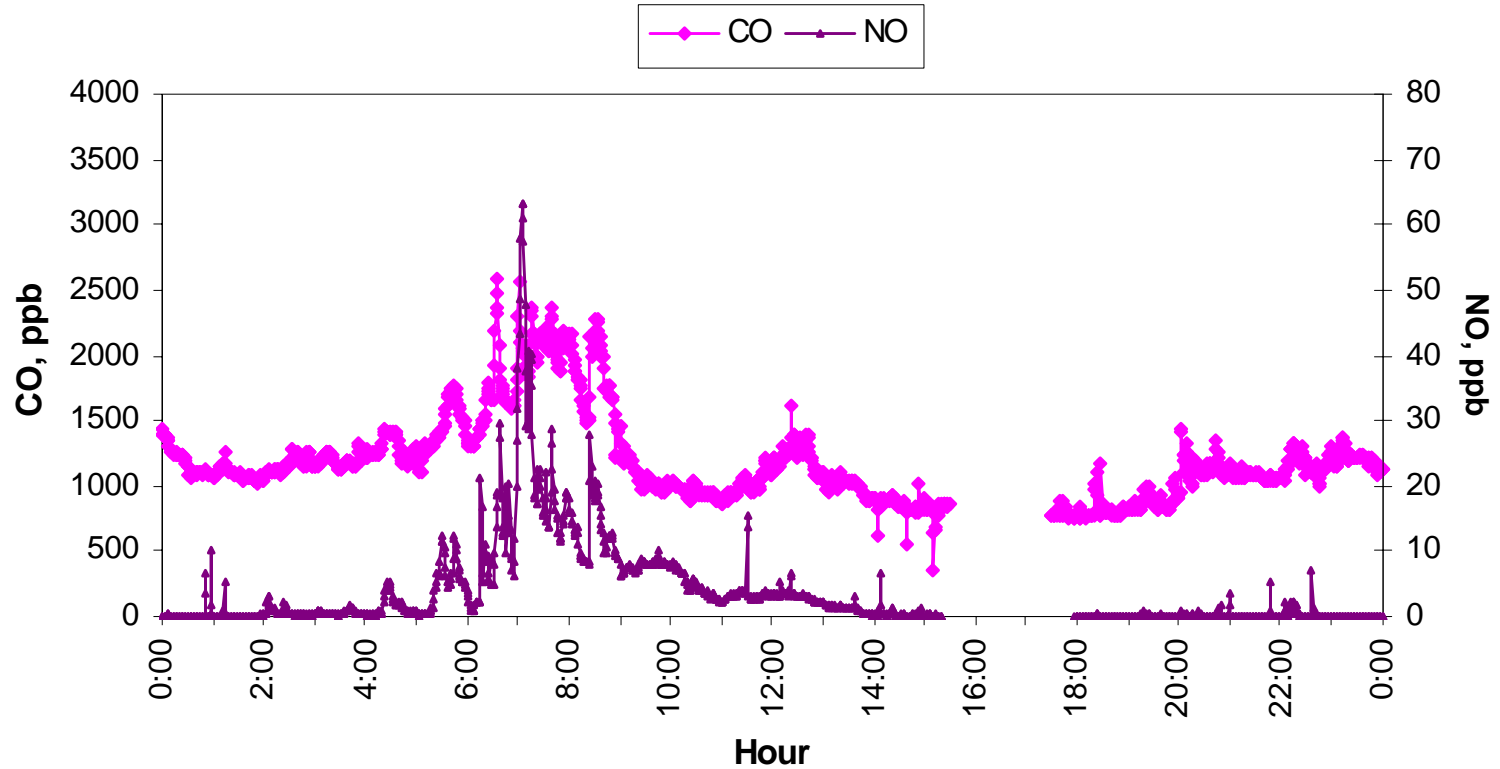


LOCAL MORNING SOURCES SEEM TO DOMINATE THE CO PEAKS



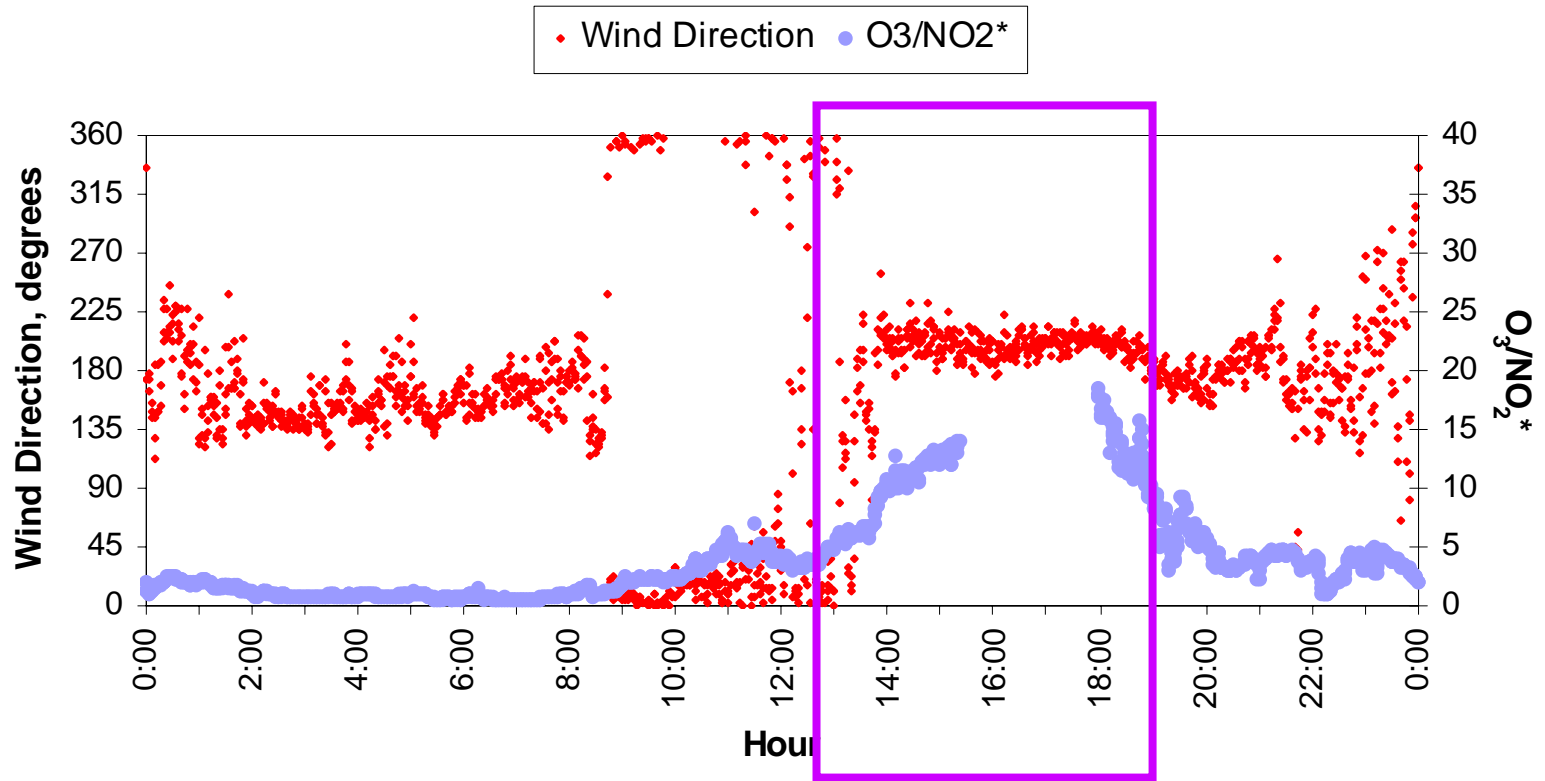
NO_x LEVELS ARE IMPORTANT ONLY DURING THE MORNING HOURS WITH THE DOMINANCE OF NITROGEN MONOXIDE

March 6, 2006, Tenango



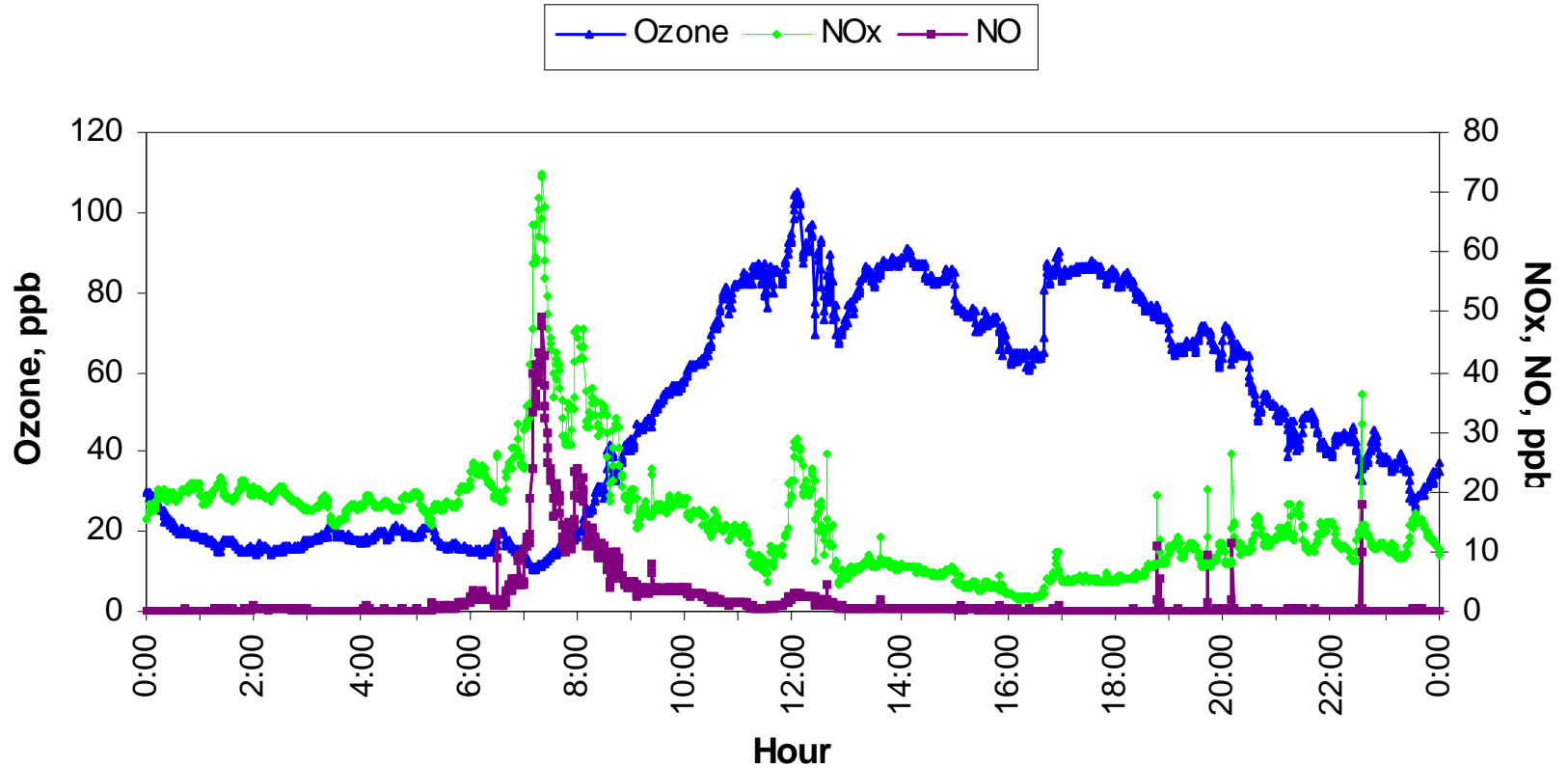
**NO AND CO CORRELATE AMONG THEM
SUGGESTING THEY HAVE THE SAME
COMMON SOURCE**

March 6, 2006, Tenango



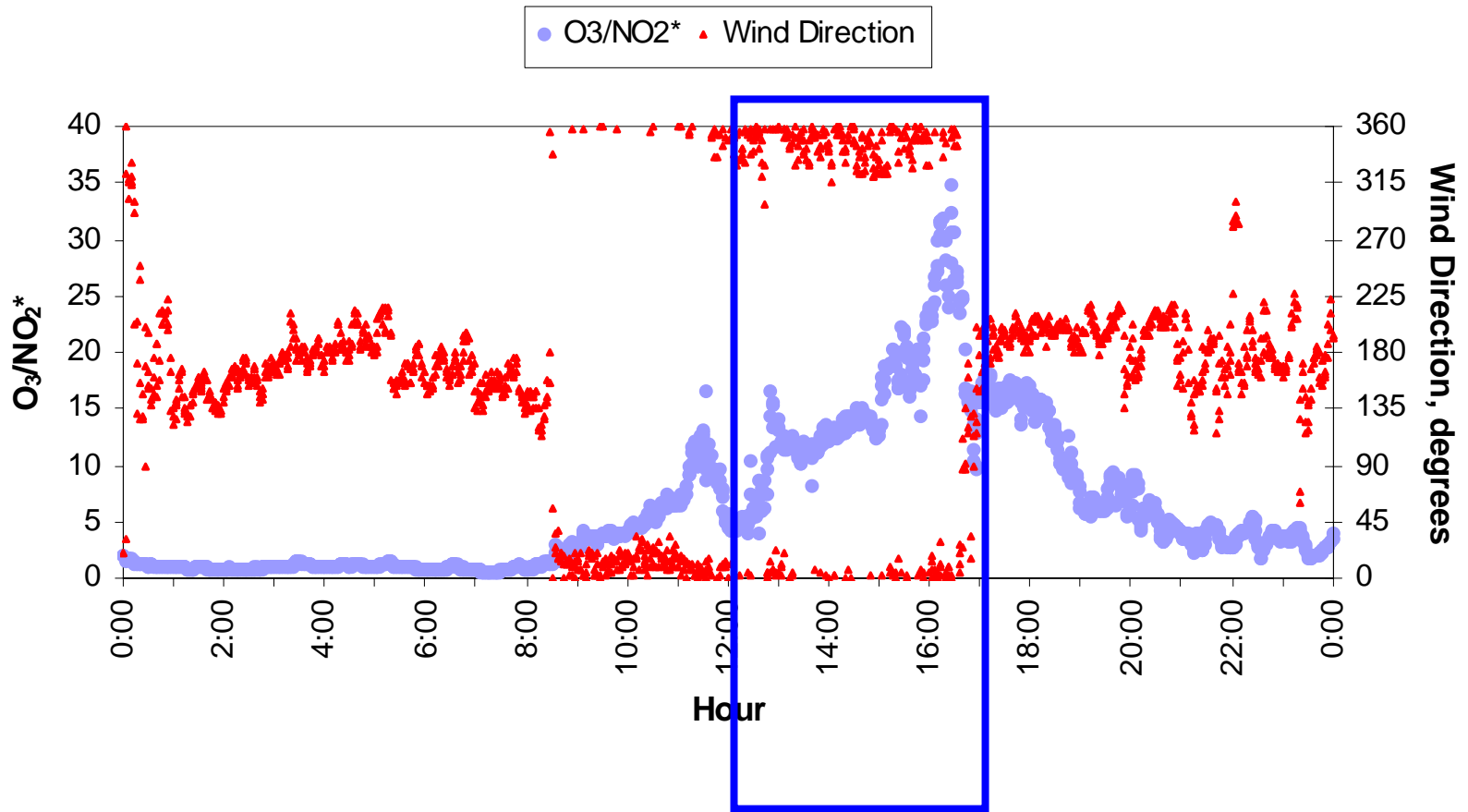
USING THE RATIO O_3/NO_2^* AS A SURROGATE OF THE INDICATOR RATIO O_3/NO_y , SUGGESTS THAT THERE WAS A DOMINANCE OF A NO_x SENSITIVE CONDITION WITH WINDS COMING FROM THE SOUTH

March 7, 2006, Tenango



NOx dominated by NO during the traffic hours but by other products during the rest of the day

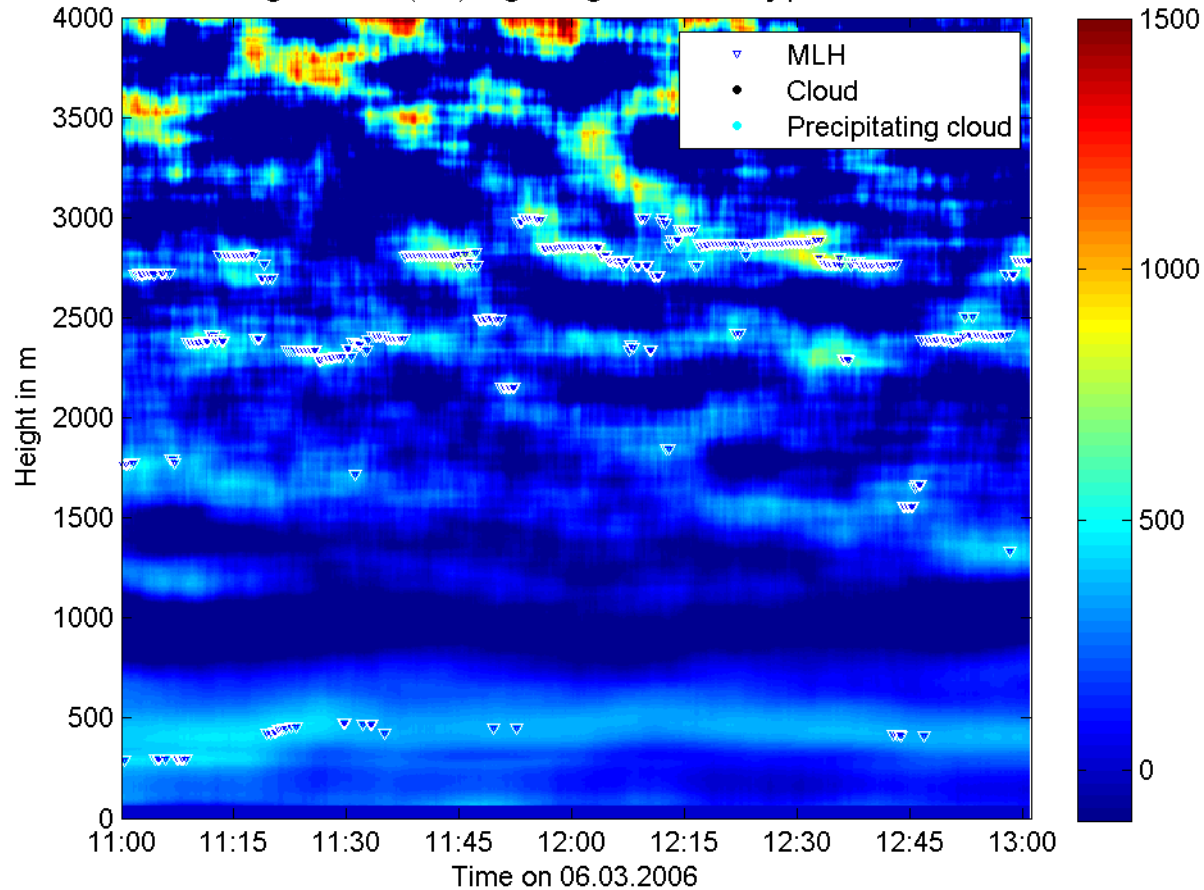
March 7, 2006, Tenango



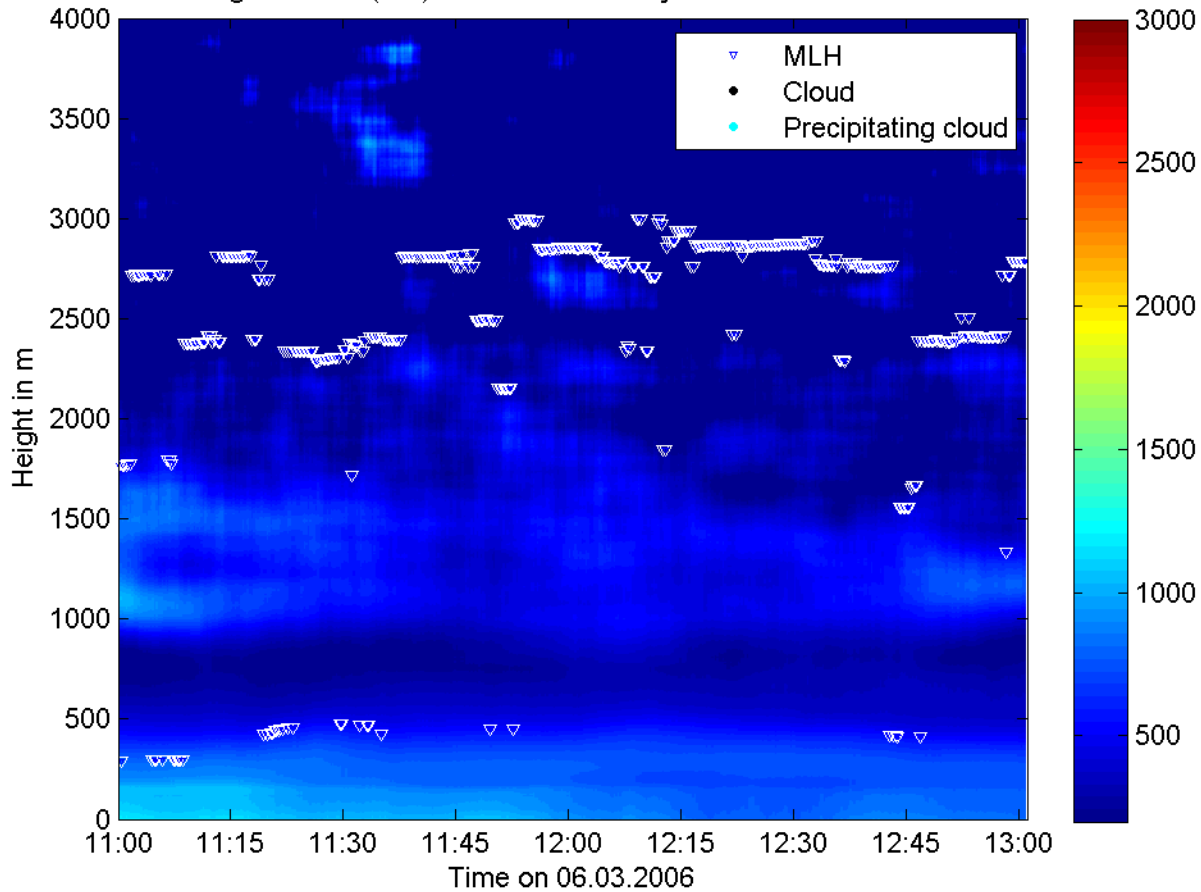
The O₃-NO_x-VOC sensitivity of the air parcels was dominated by NO_x conditions when winds came from Mexico City indicating a significant burden of aged nitrogen oxidized products.

Cielometer

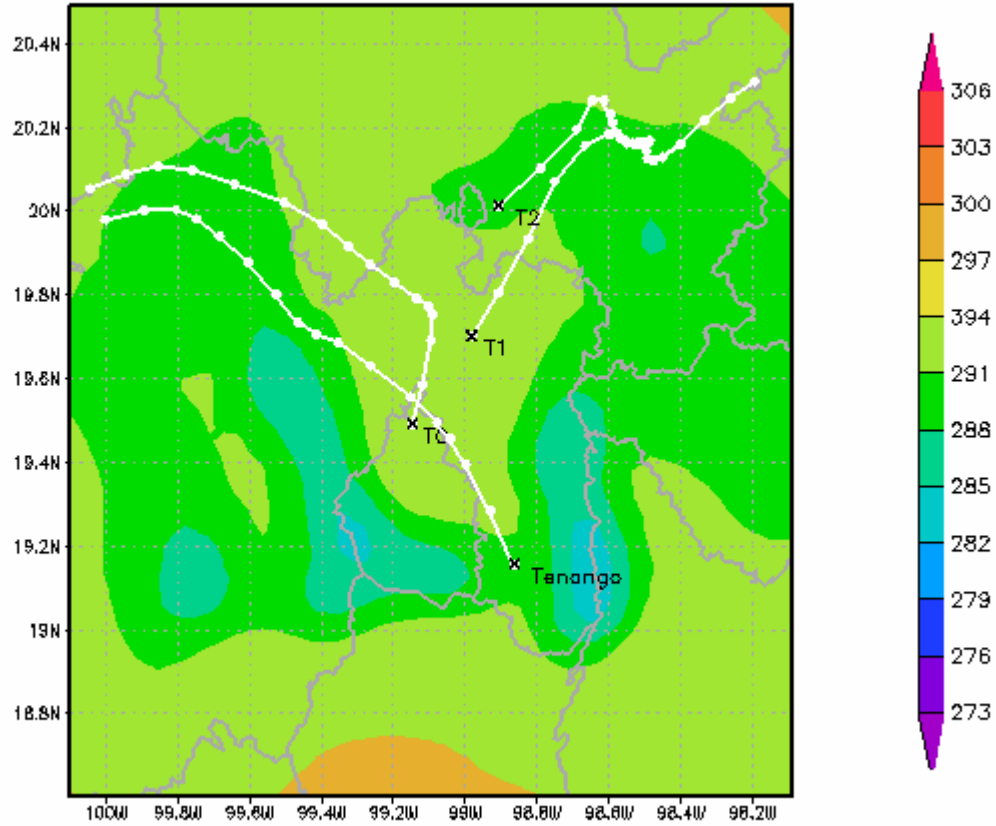
LD-40 Mexico Tenango del Aire (T-1) negative gradient density plot with MLH on 06.03.2006



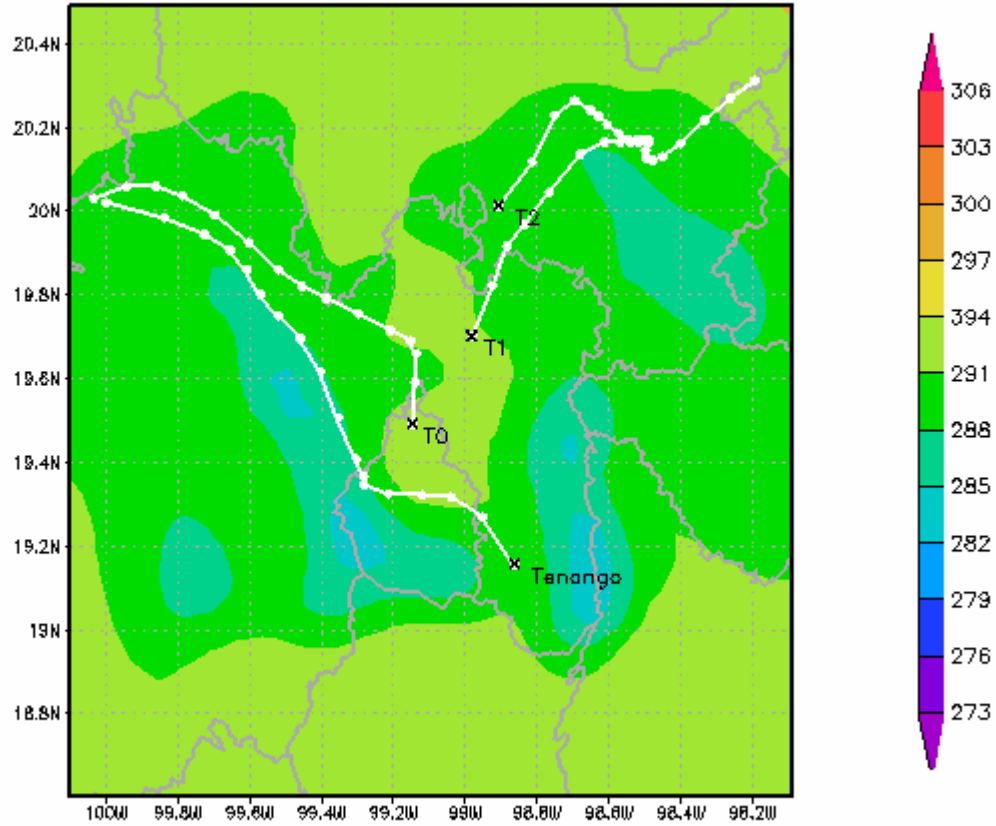
LD-40 Mexico Tenango del Aire (T-1) backscatter density with MLH on 06.03.2006 in $10^{-9} \text{ m}^{-1} \text{ sr}^{-1}$



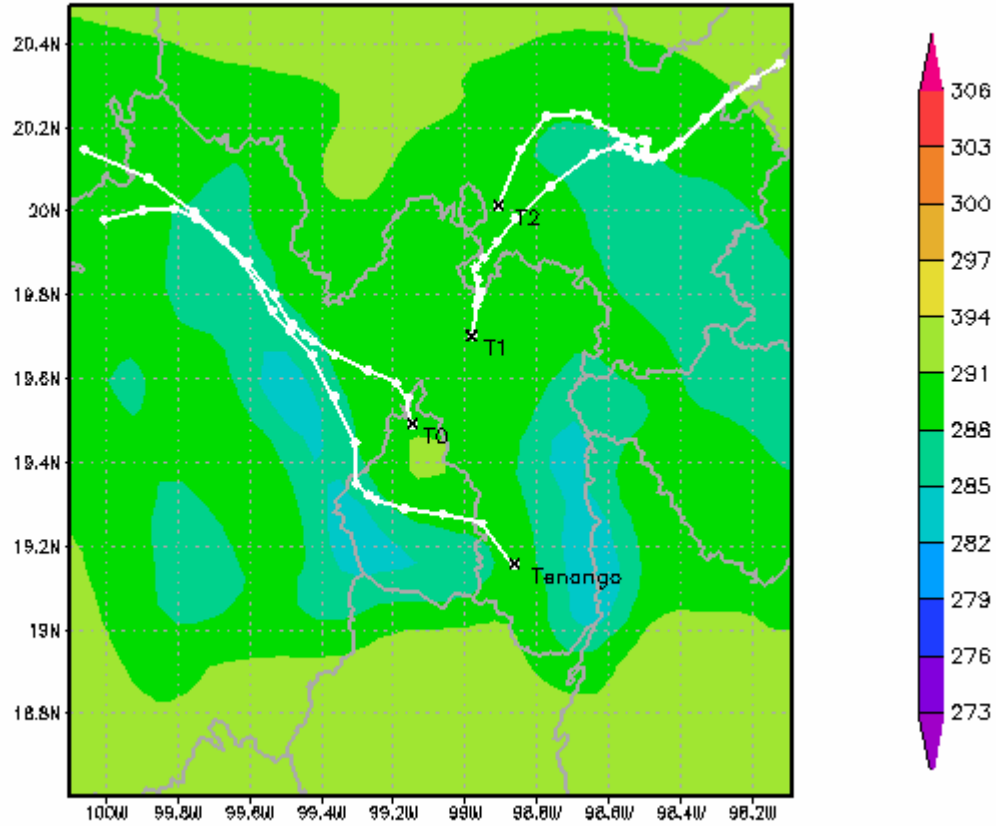
Back Traj and Temp. 19Z13MAR2006



Back Traj and Temp. 18Z13MAR2006



Back Traj and Temp. 17Z13MAR2006



Wind Rose
March 7, 2006
Tenango del Aire

