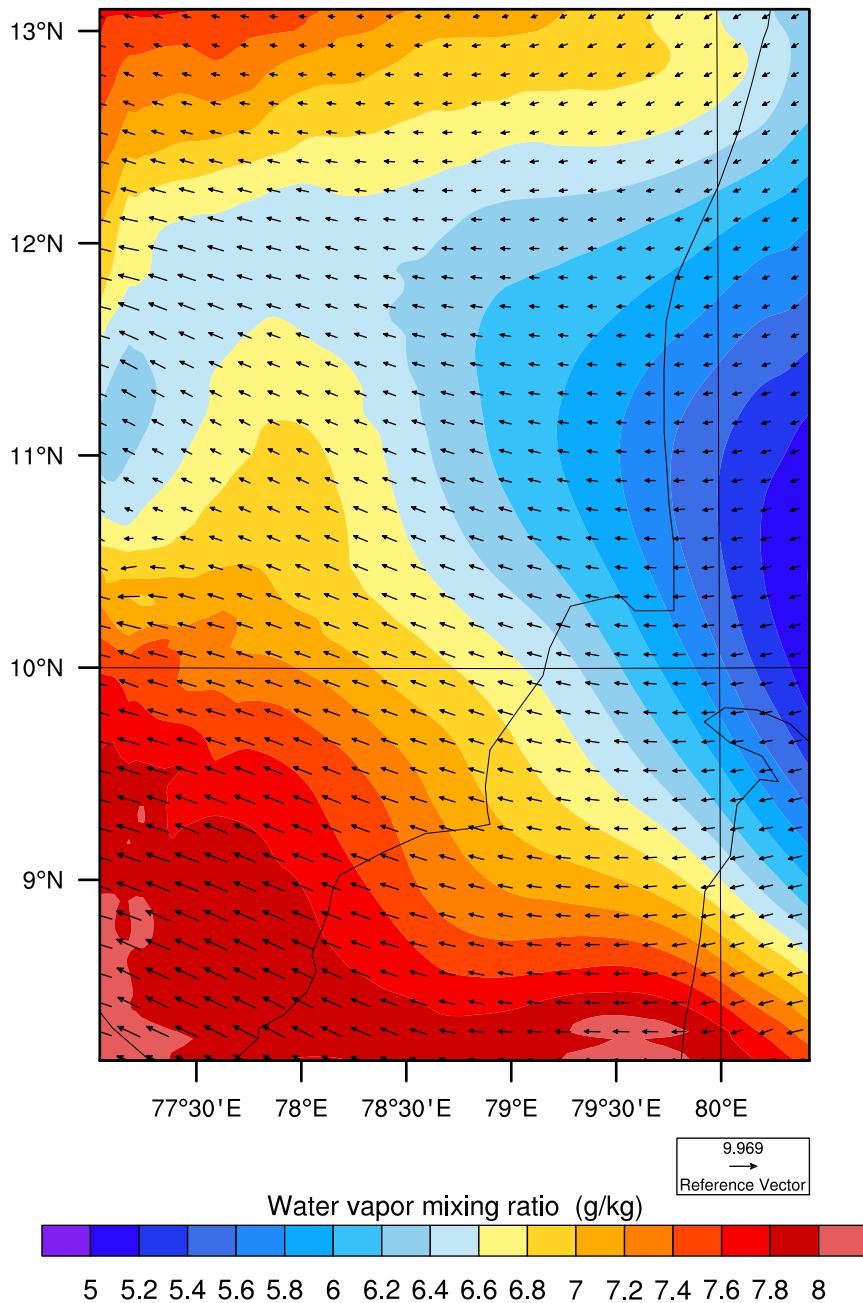


REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_13:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

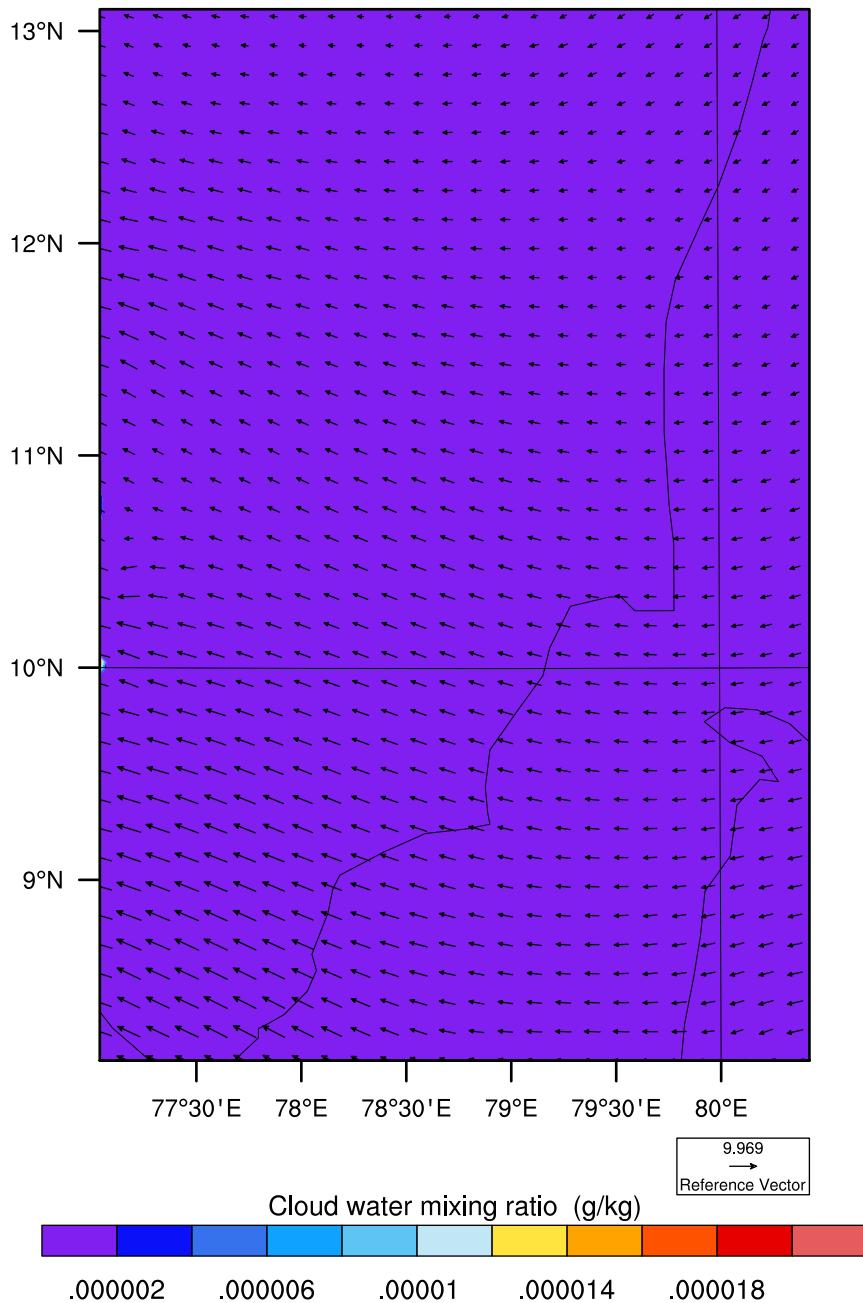


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_13:00:00

Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

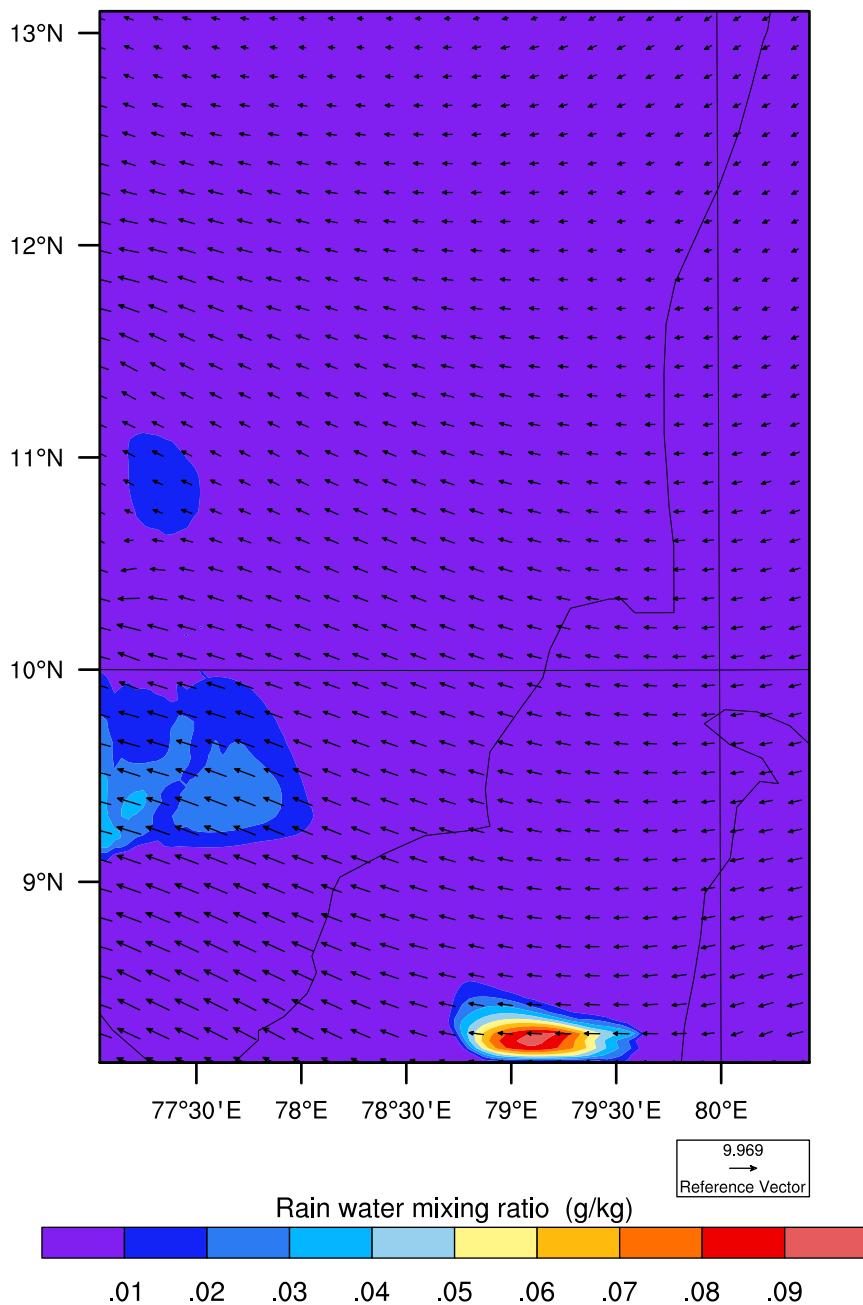


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_13:00:00

Rain water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

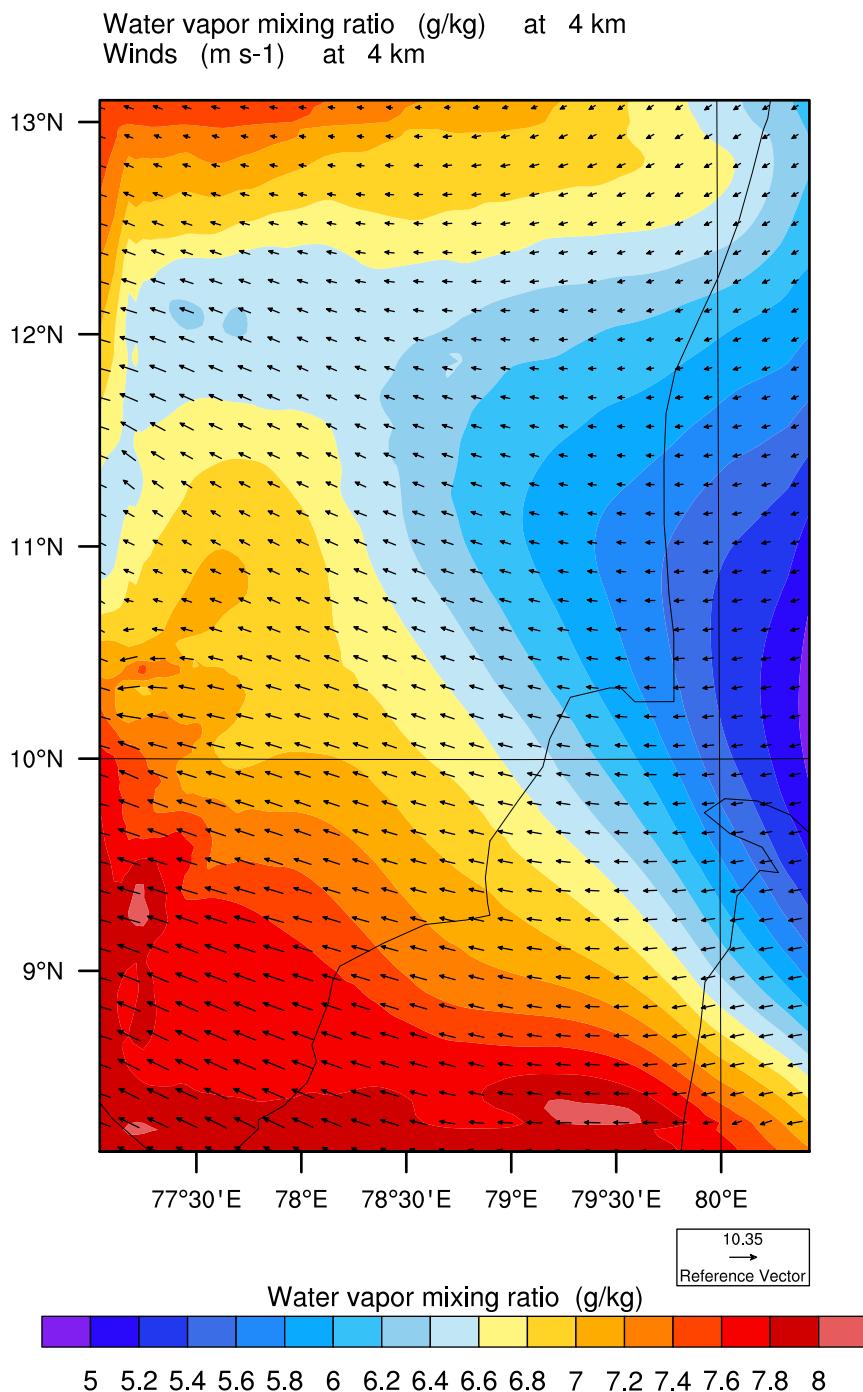


OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_14:00:00

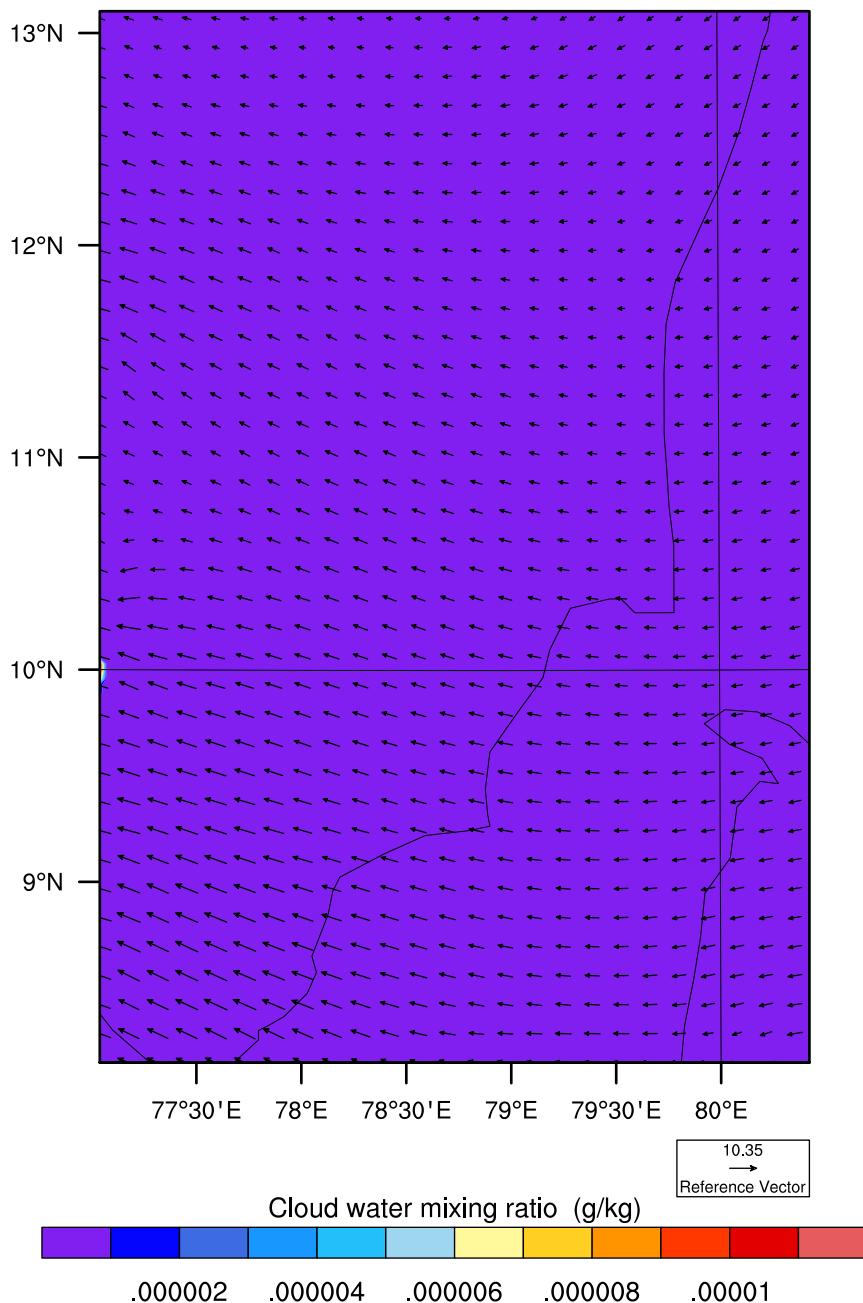


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_14:00:00

Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

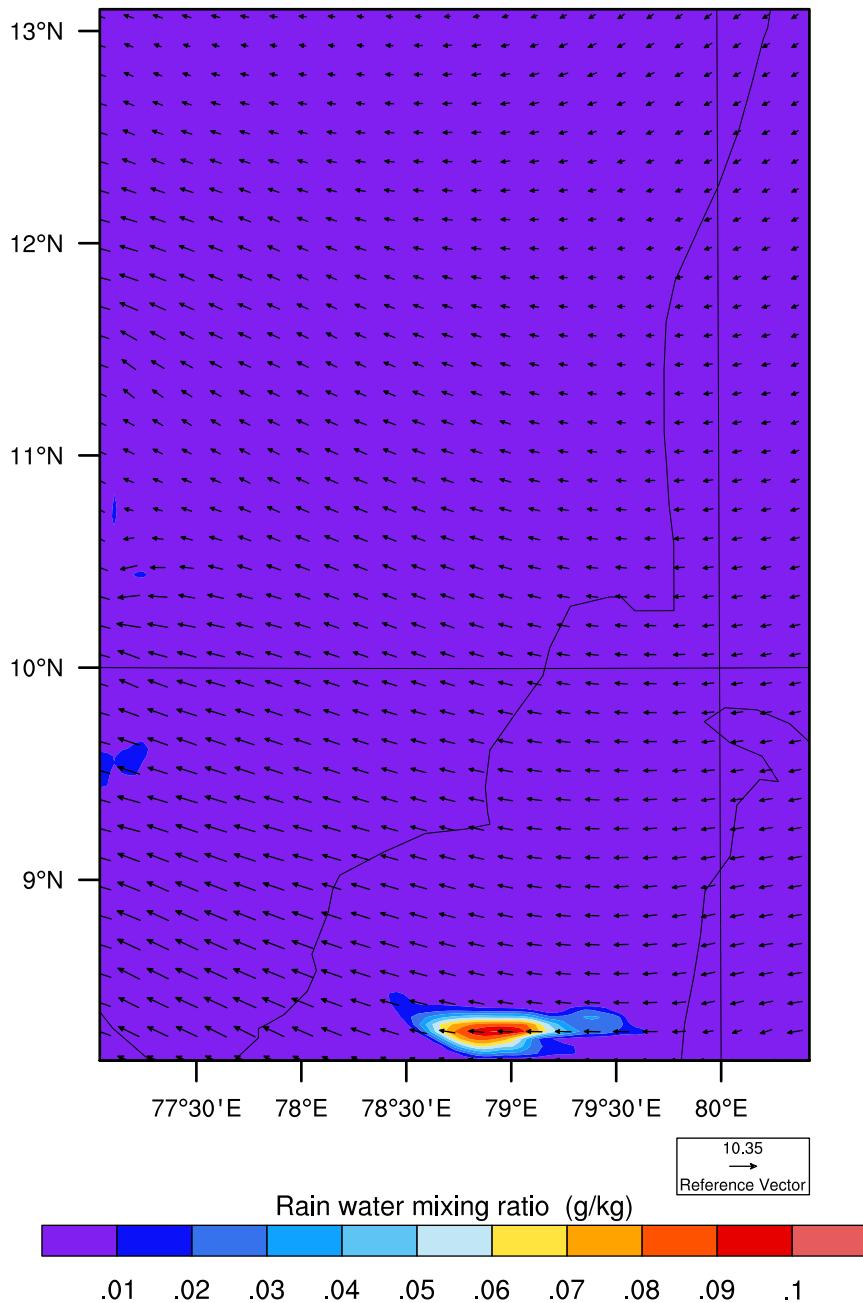


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_14:00:00

Rain water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

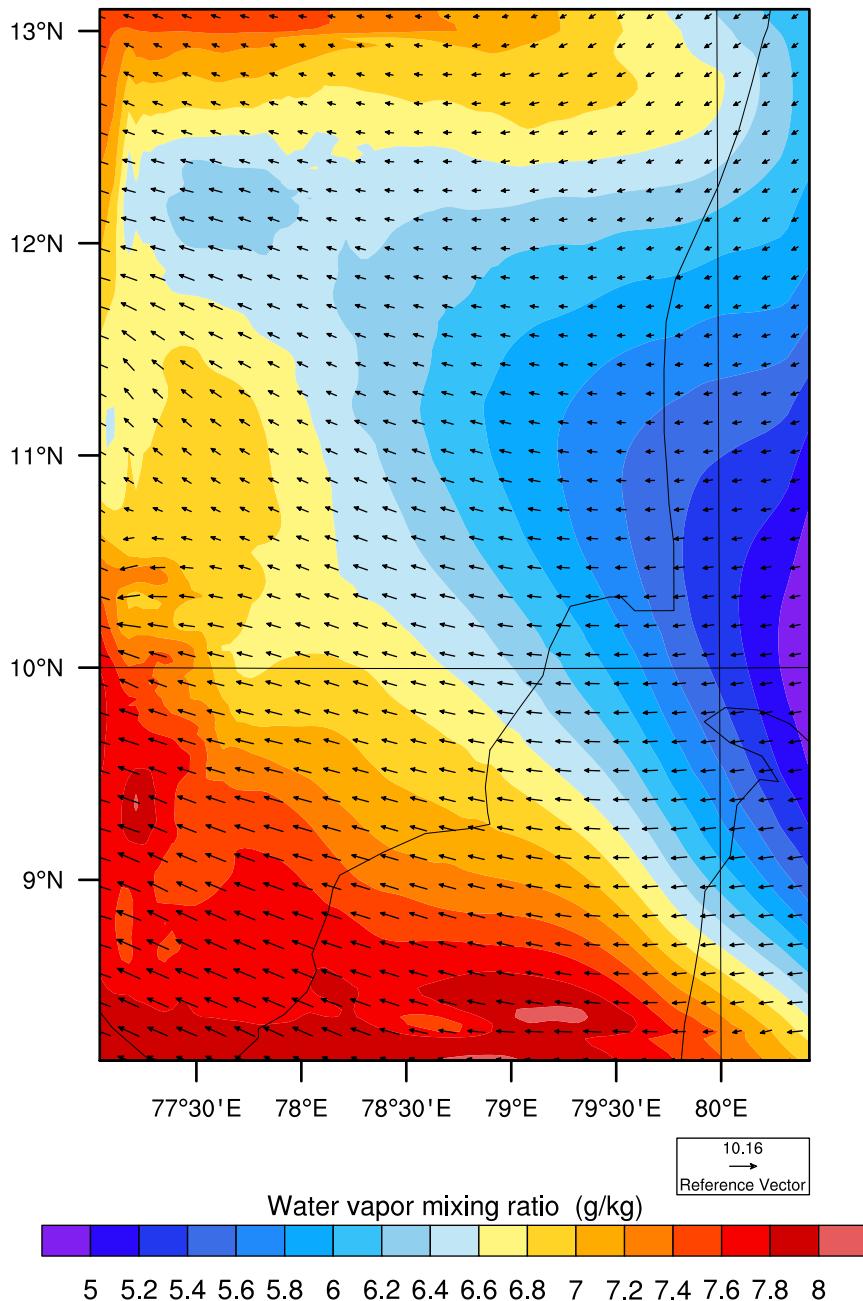


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_15:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



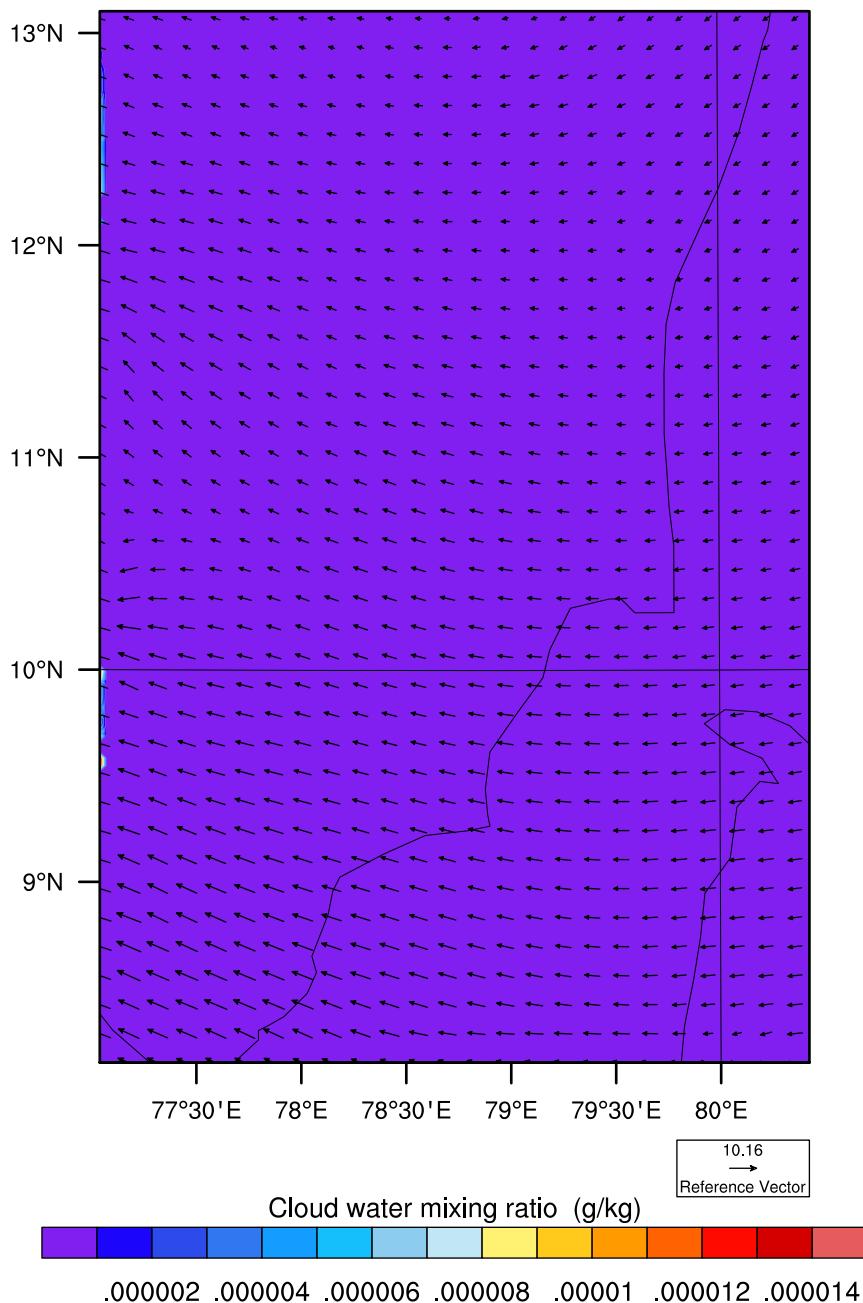
OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_15:00:00

Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



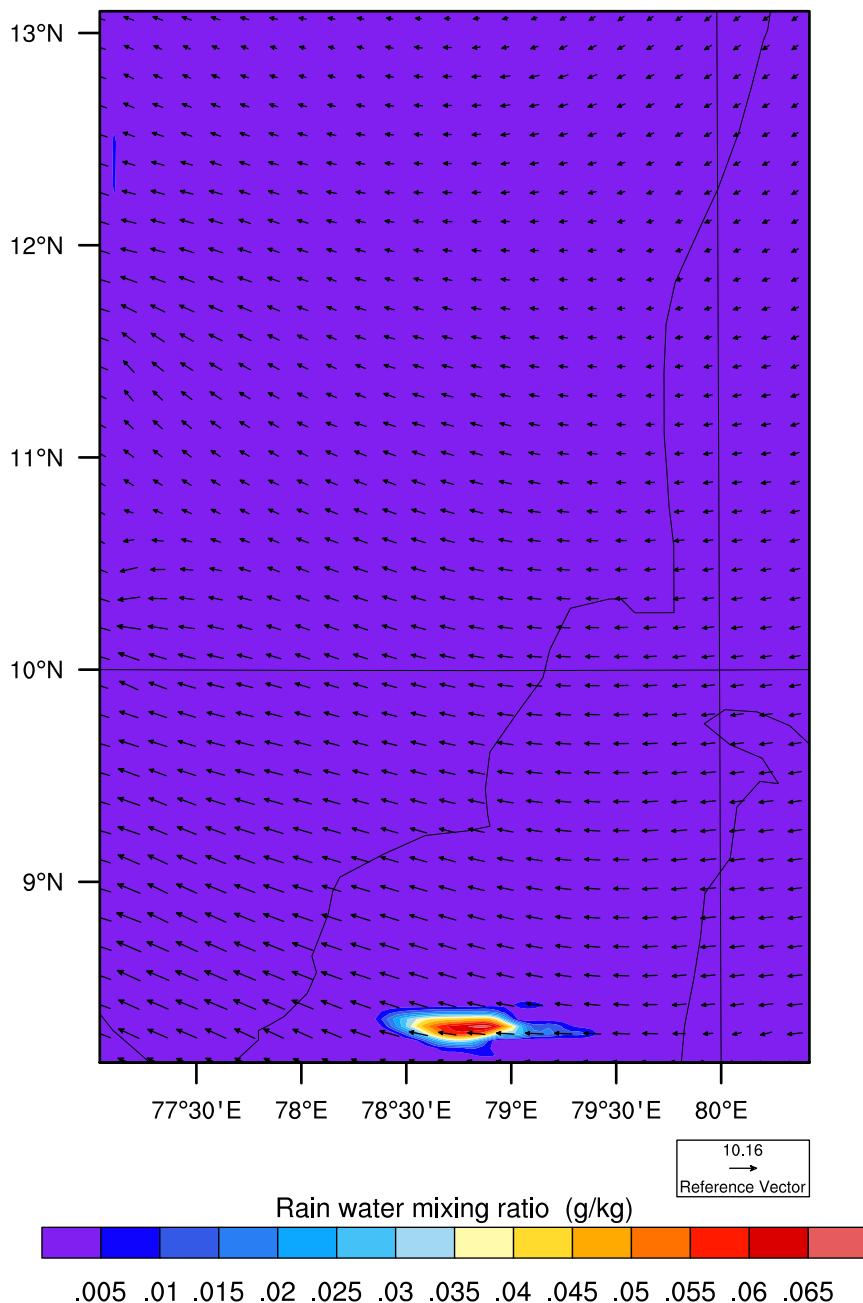
OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_15:00:00

Rain water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

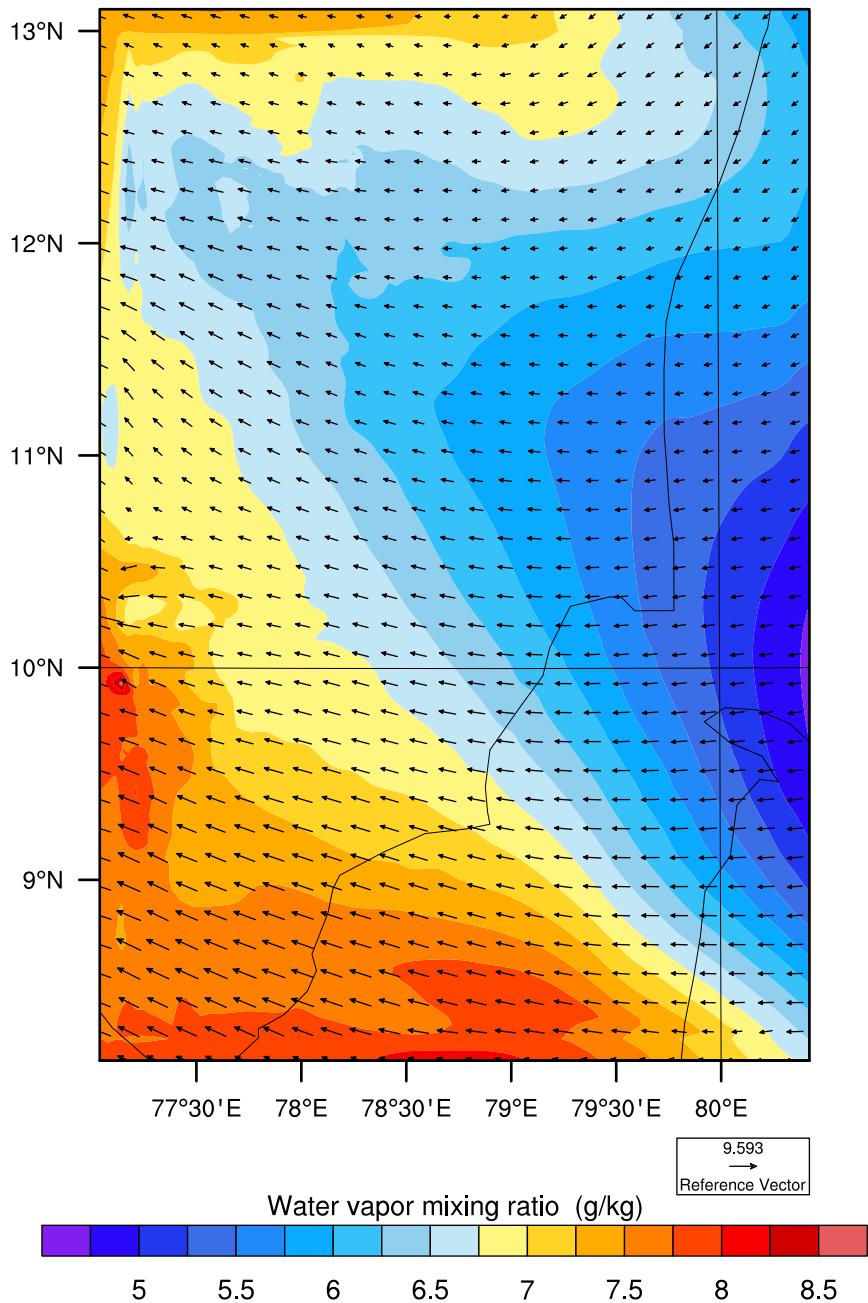


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_16:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

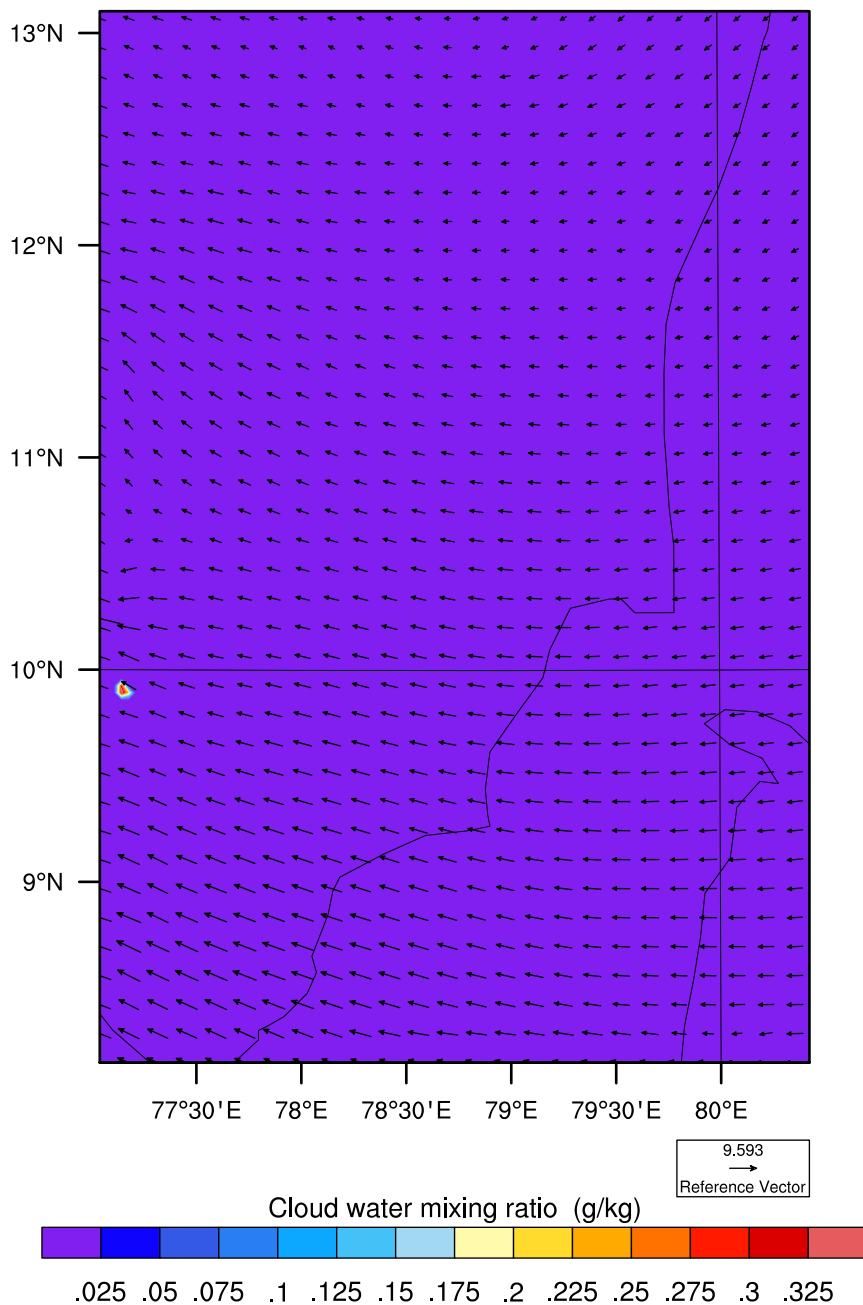


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_16:00:00

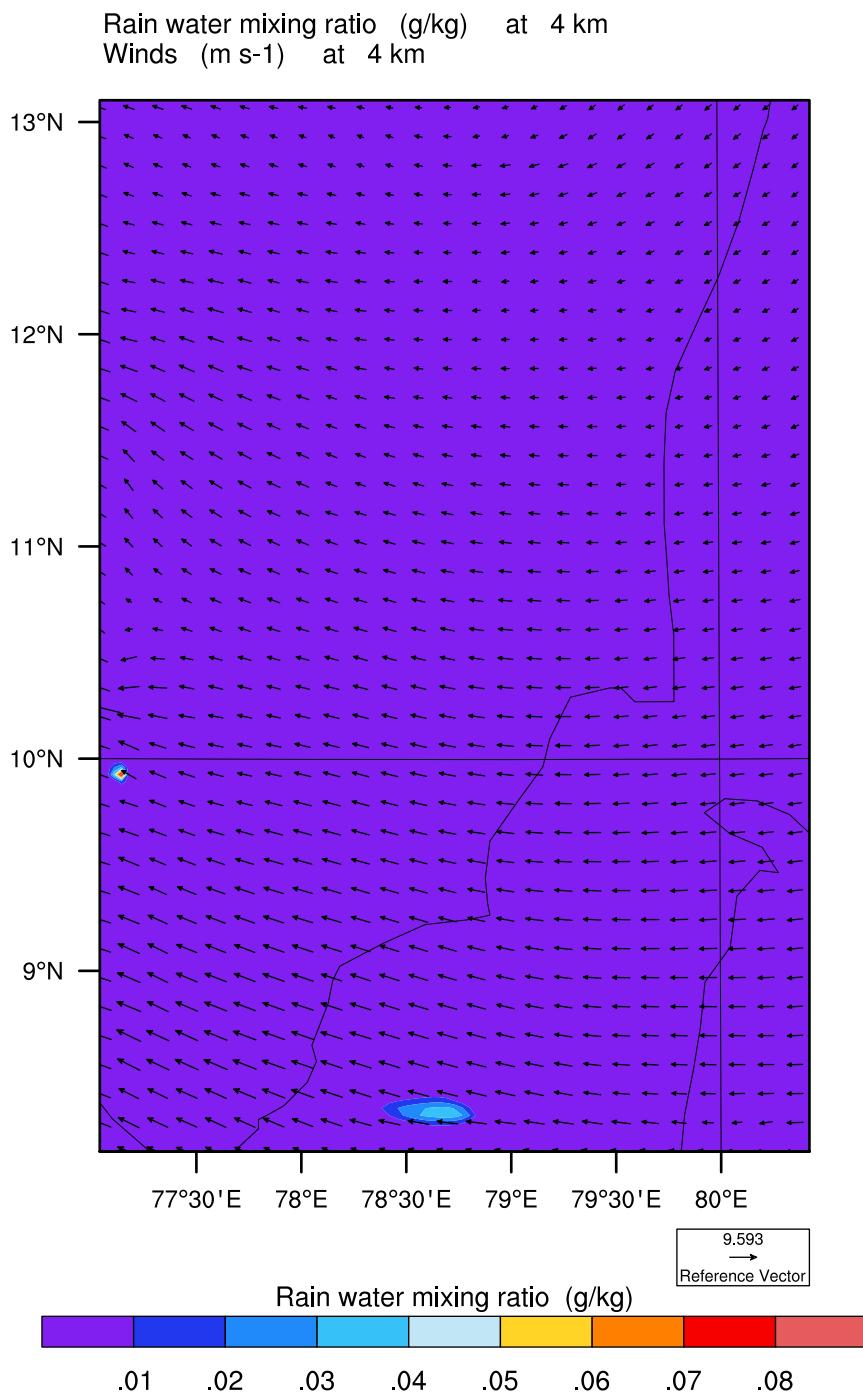
Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

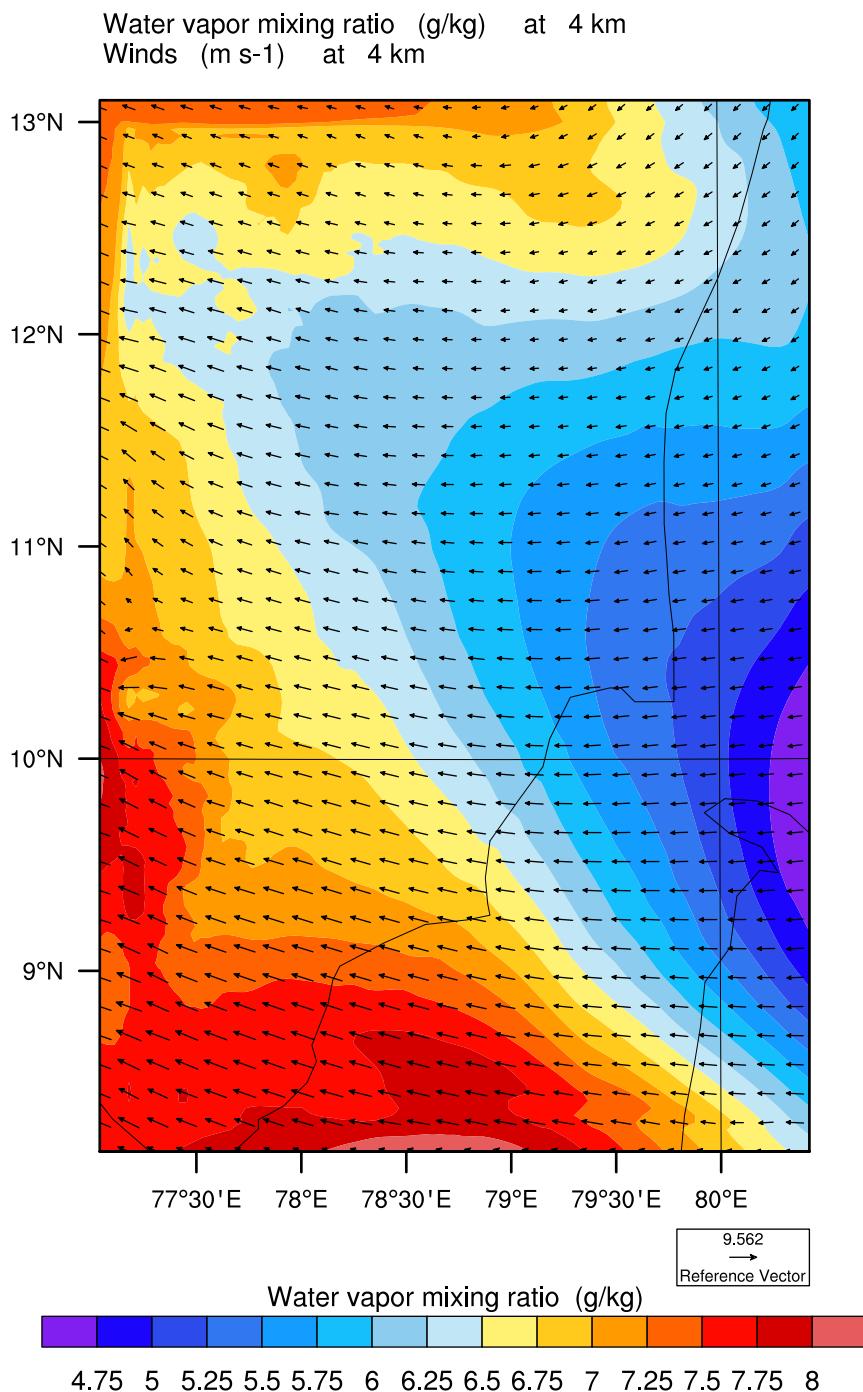
Init: 2012-10-24_12:00:00
Valid: 2012-10-24_16:00:00



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_17:00:00

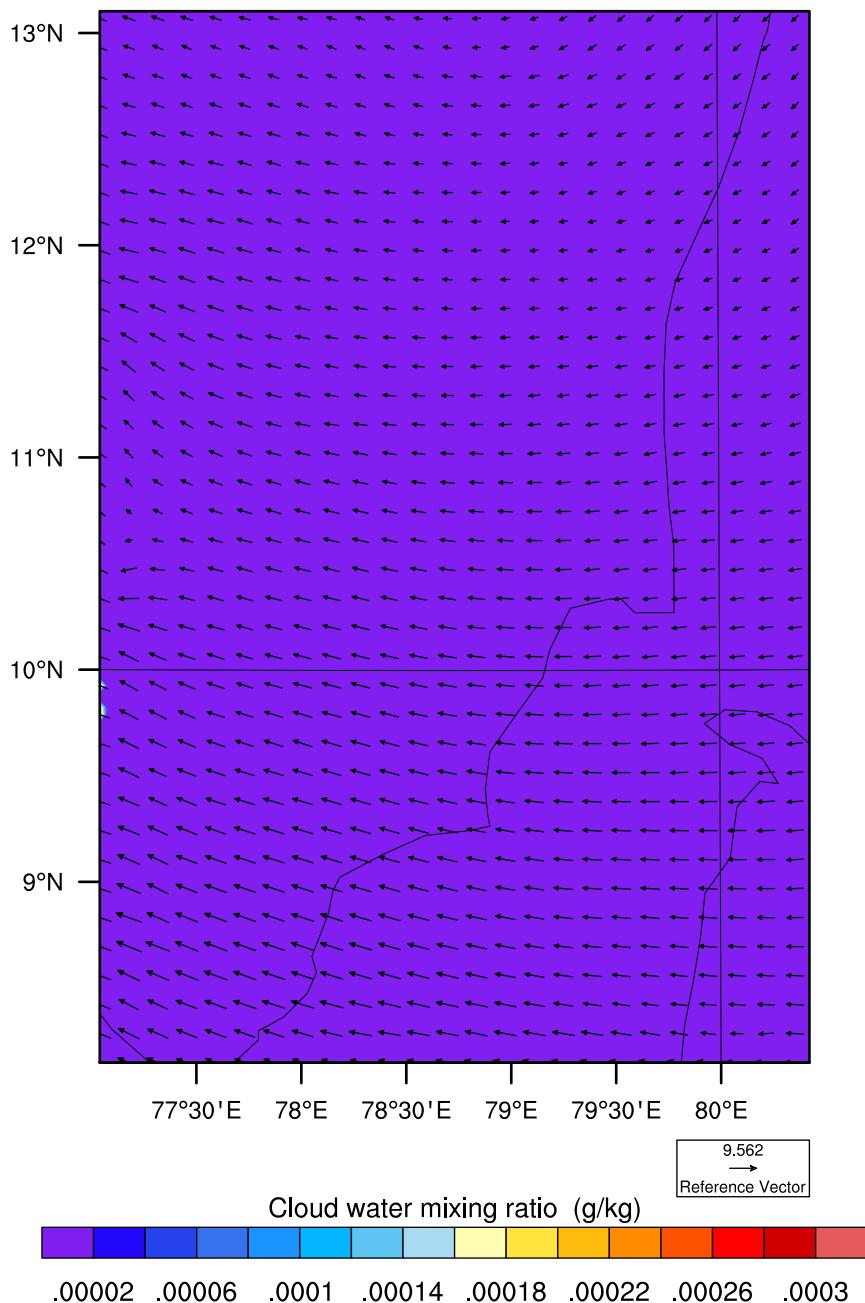


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_17:00:00

Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



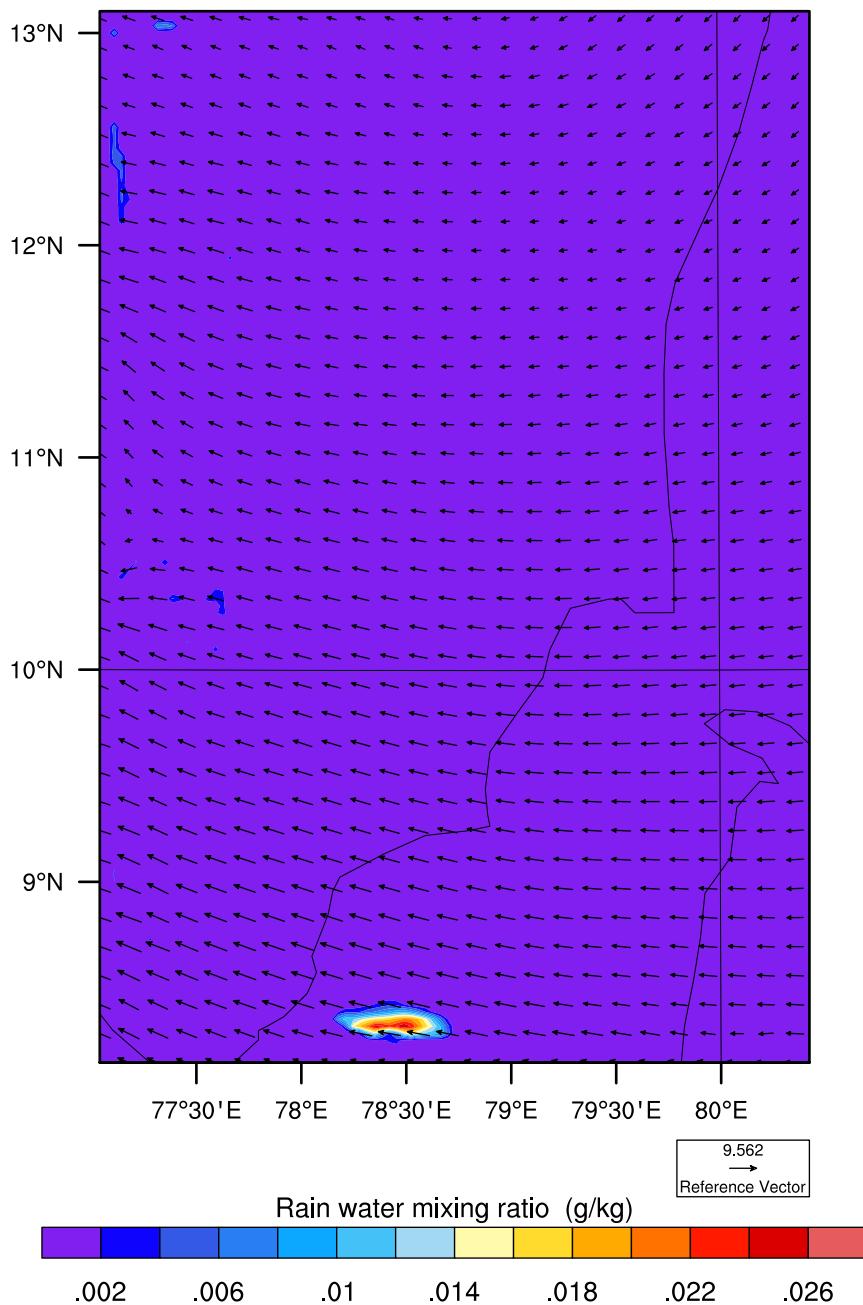
OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_17:00:00

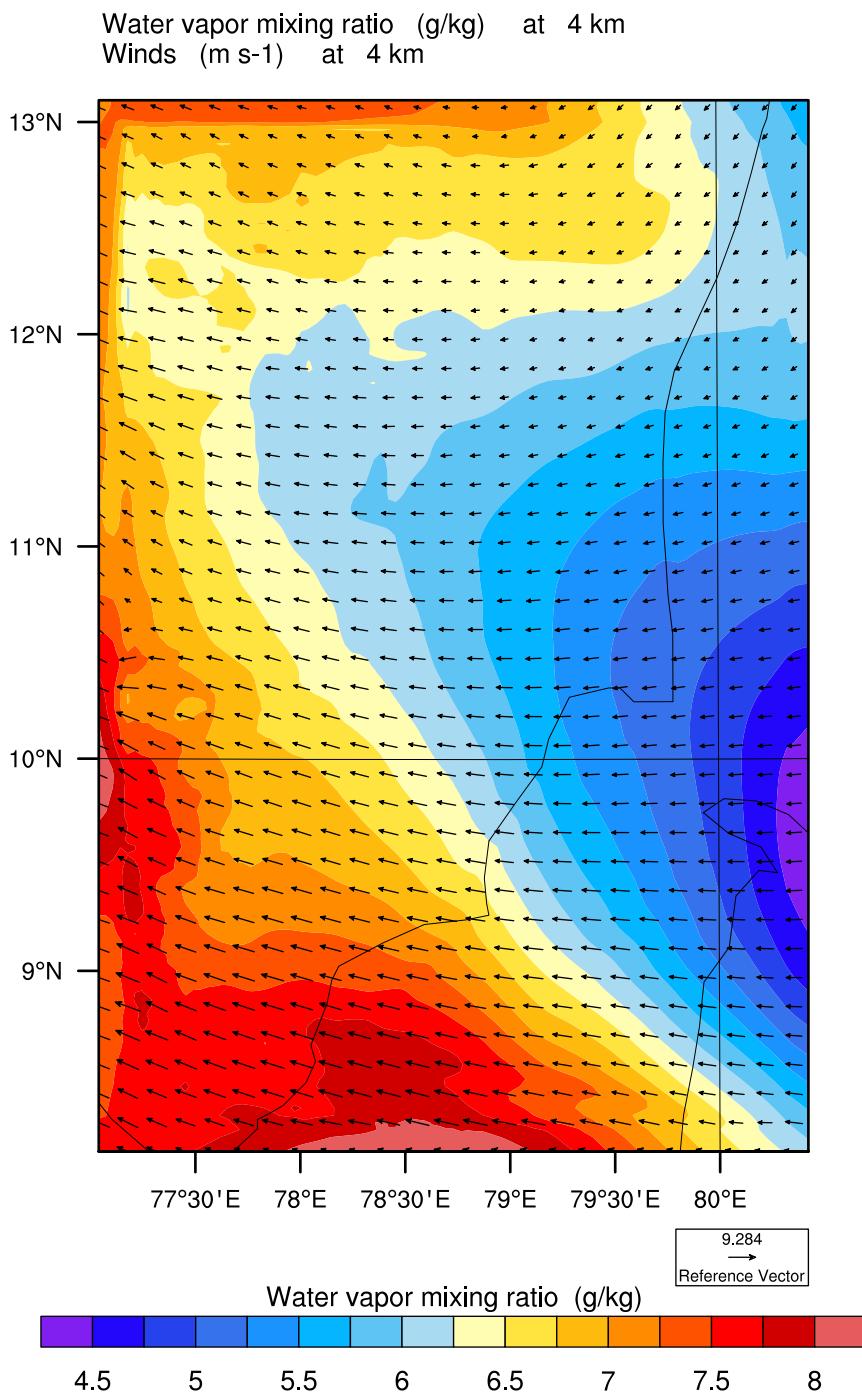
Rain water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_18:00:00

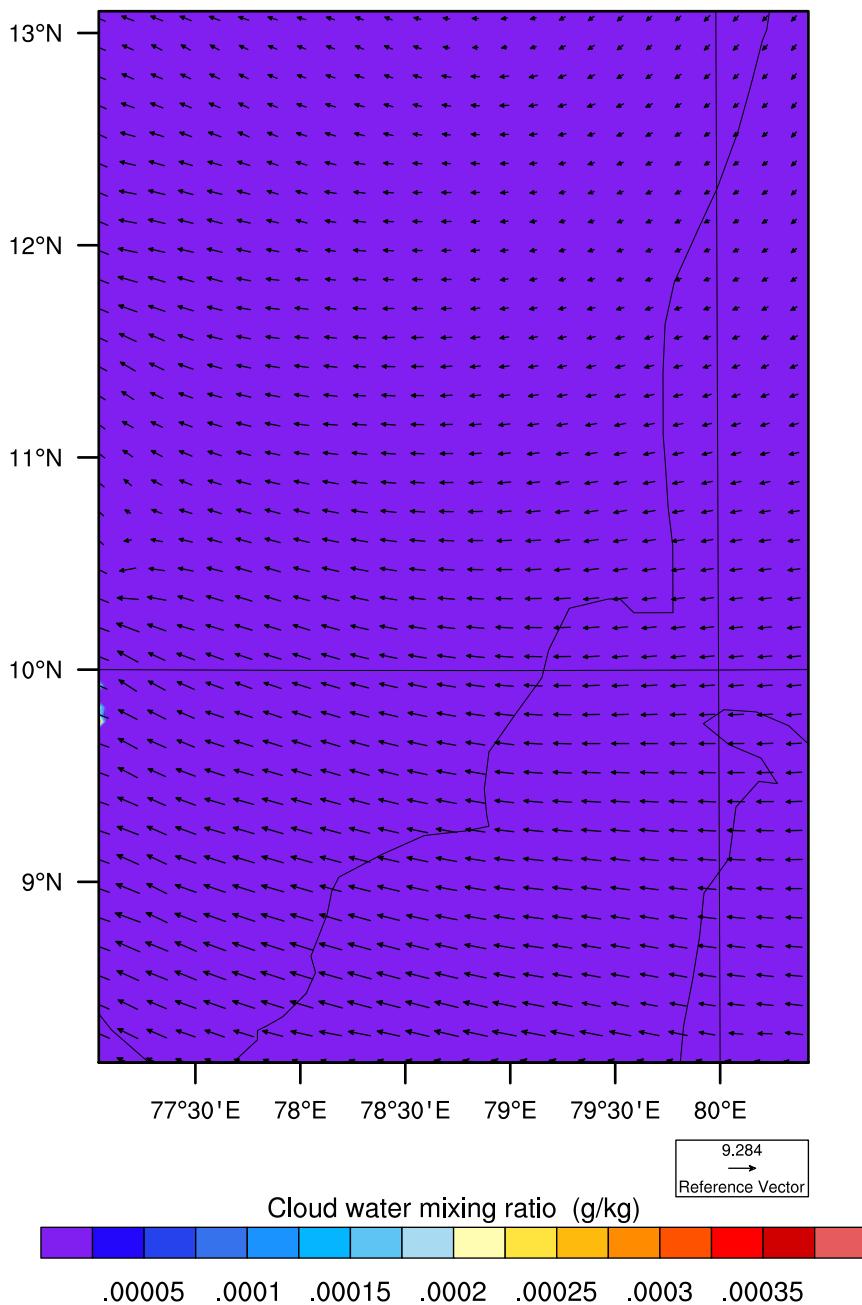


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_18:00:00

Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

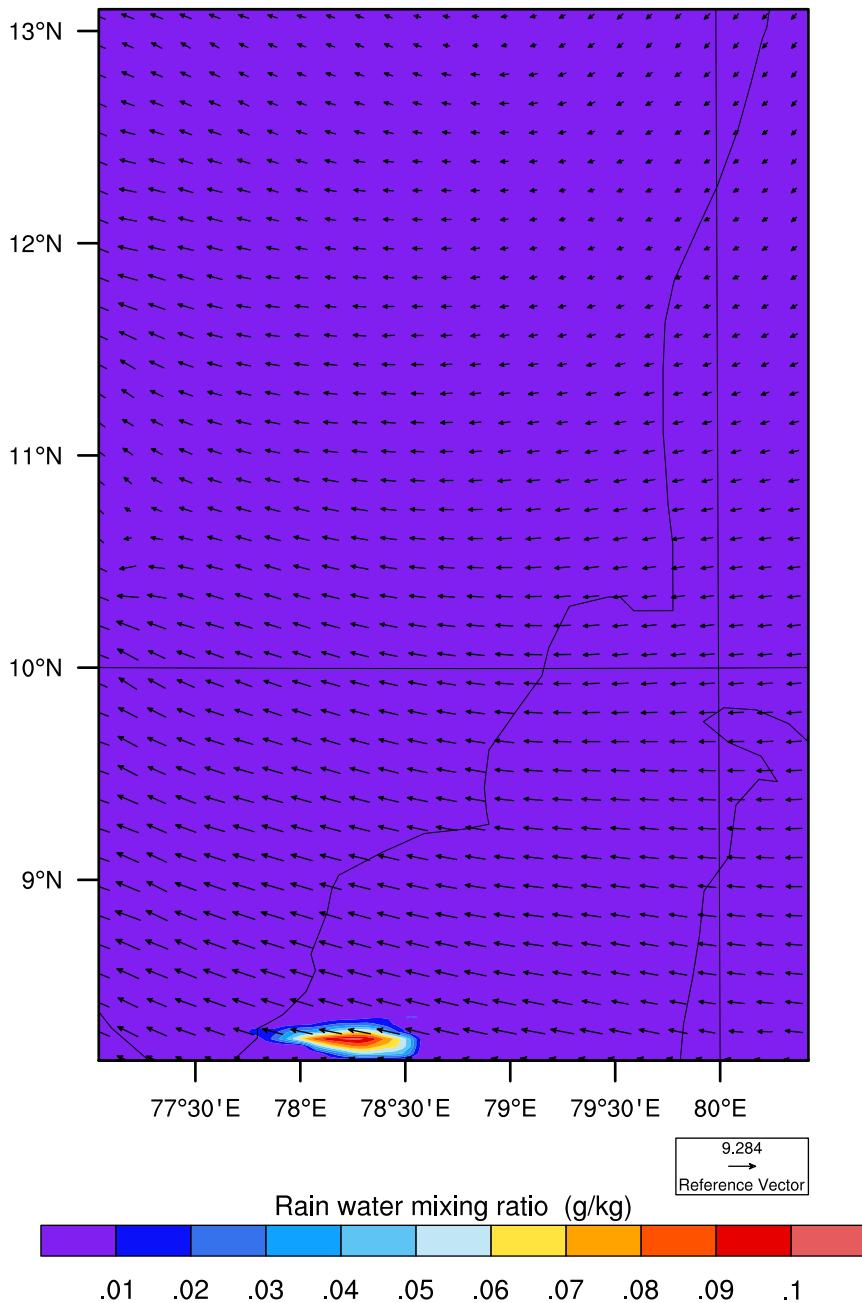


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_18:00:00

Rain water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



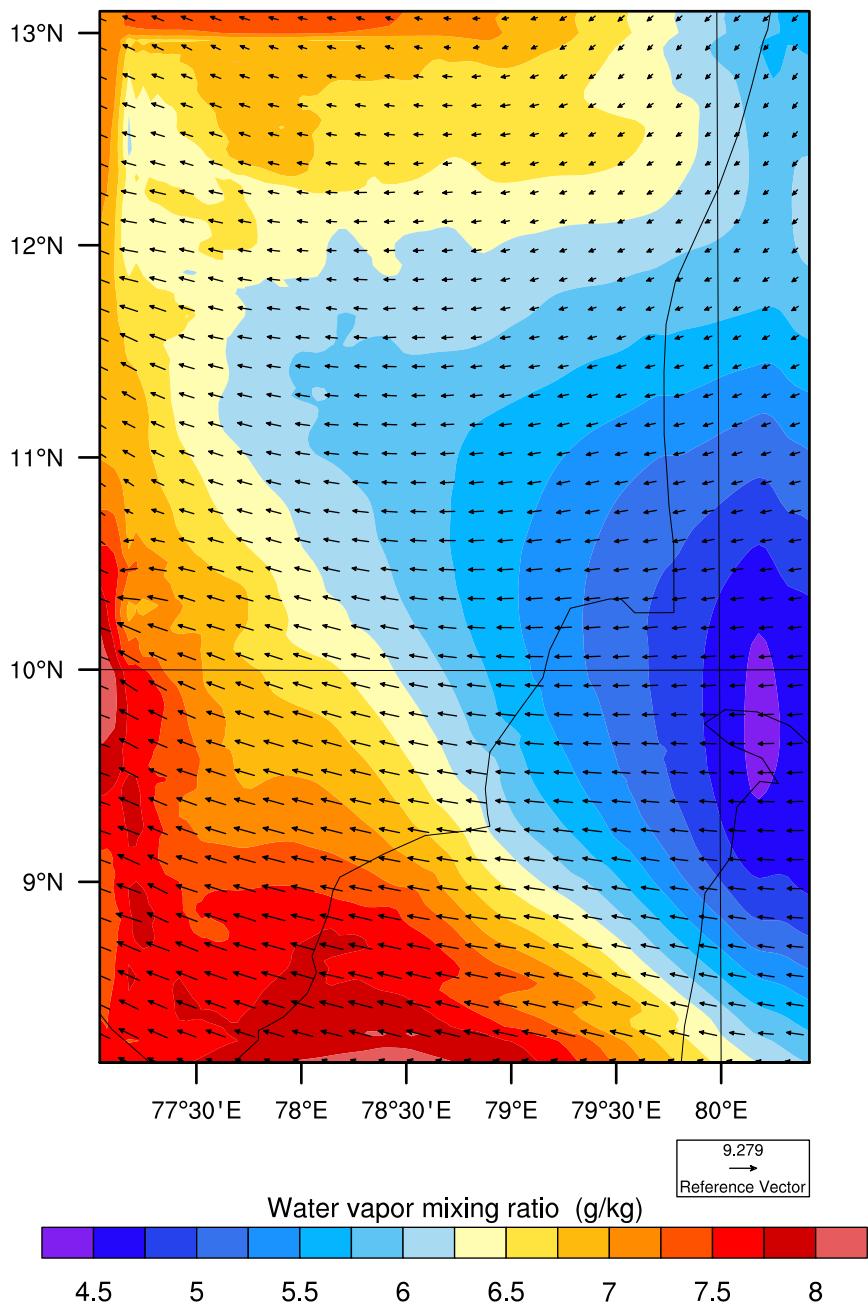
OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_19:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

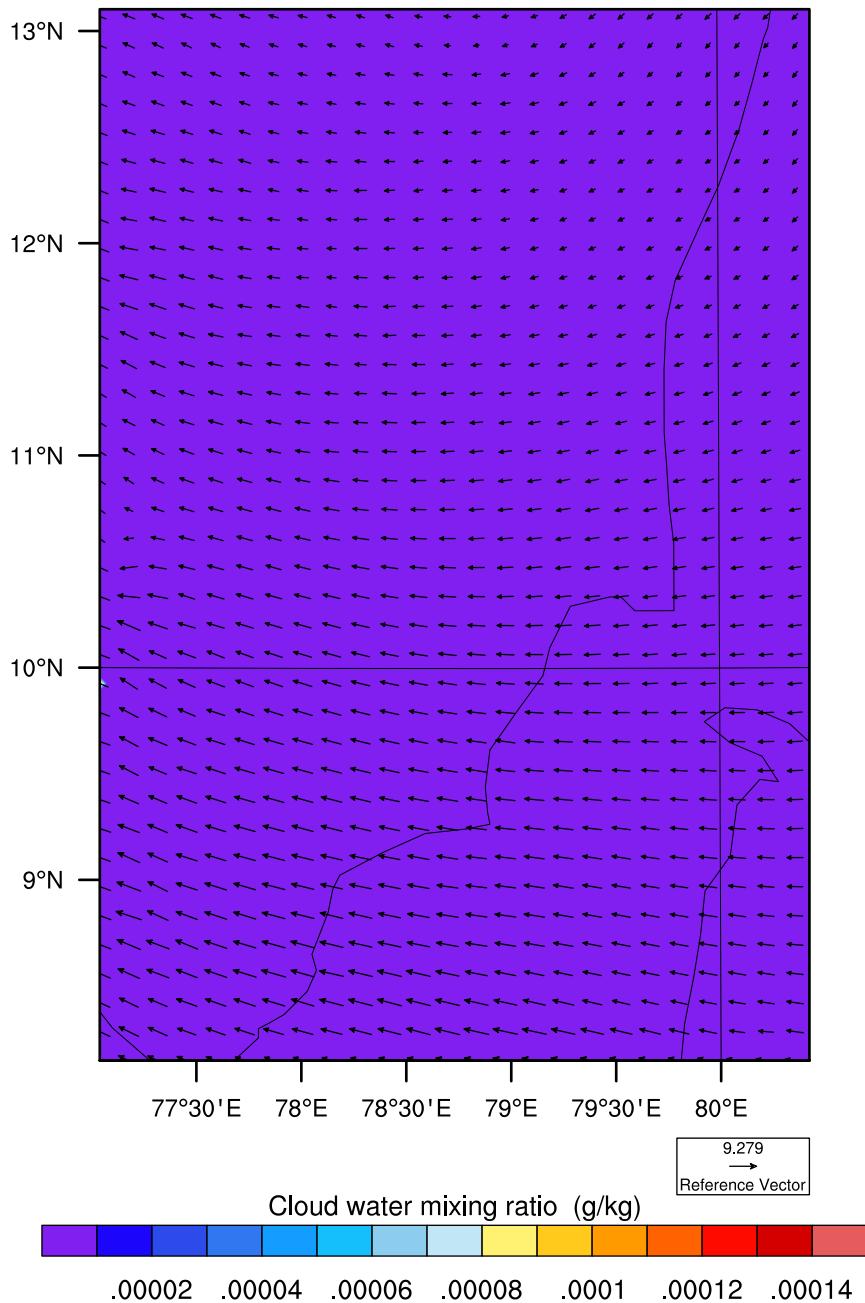


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_19:00:00

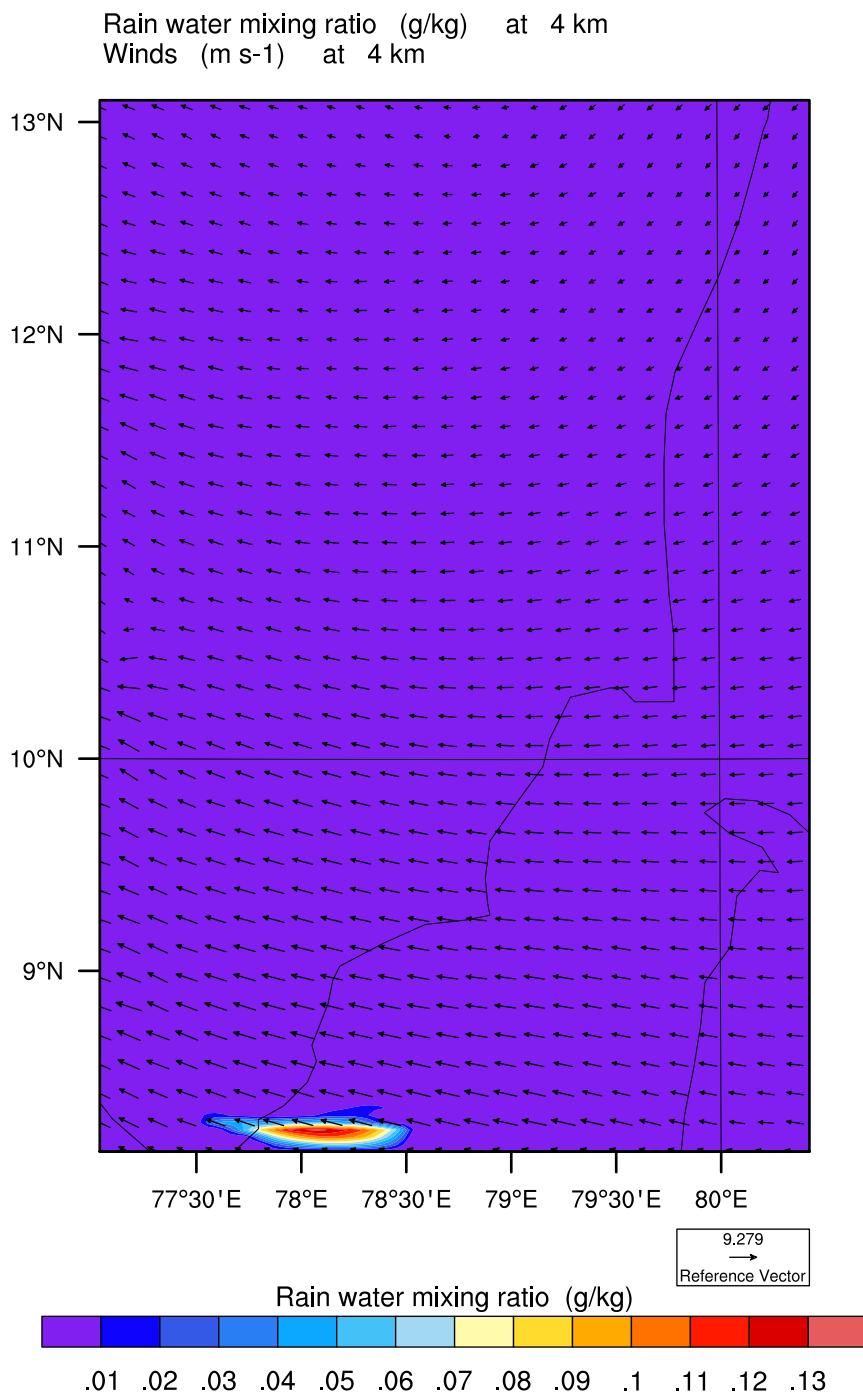
Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_19:00:00

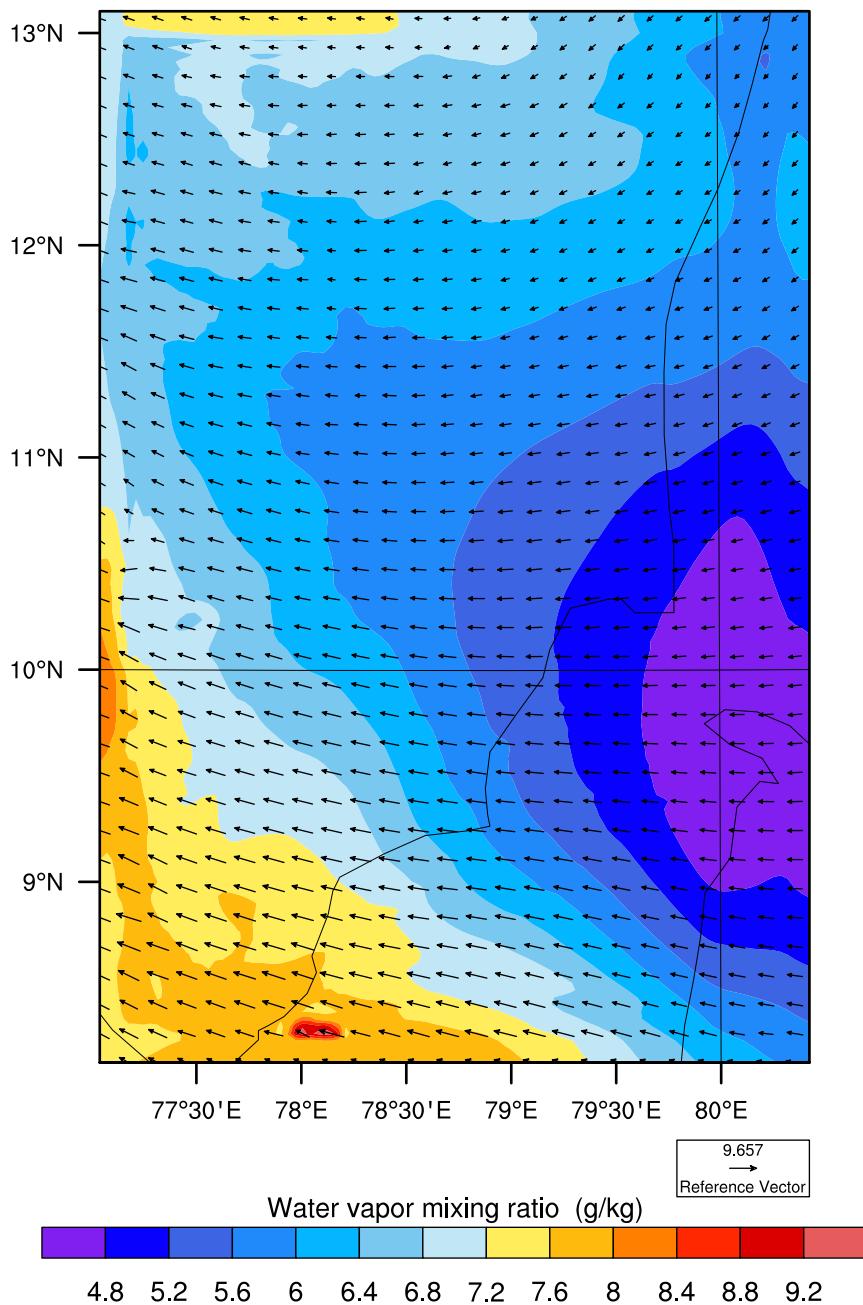


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_20:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

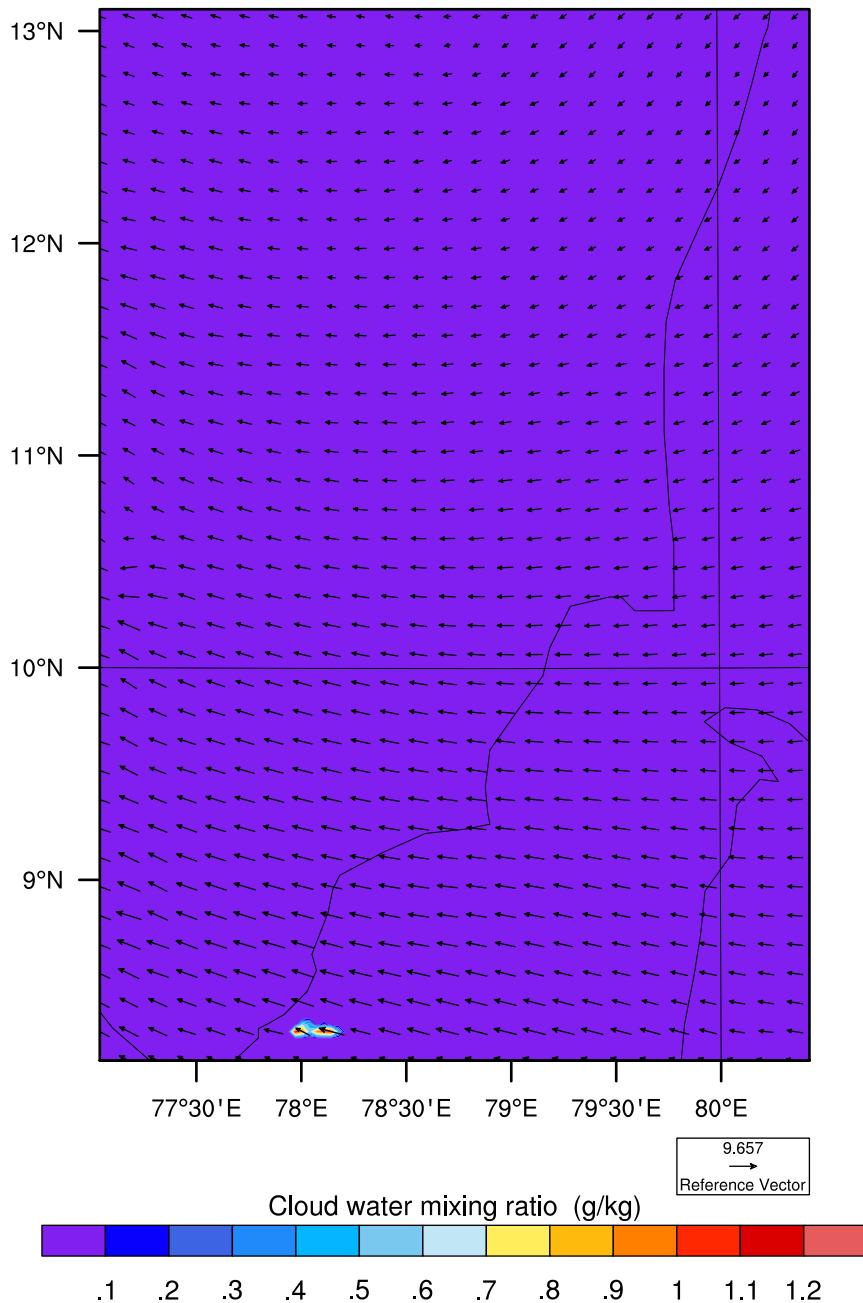


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_20:00:00

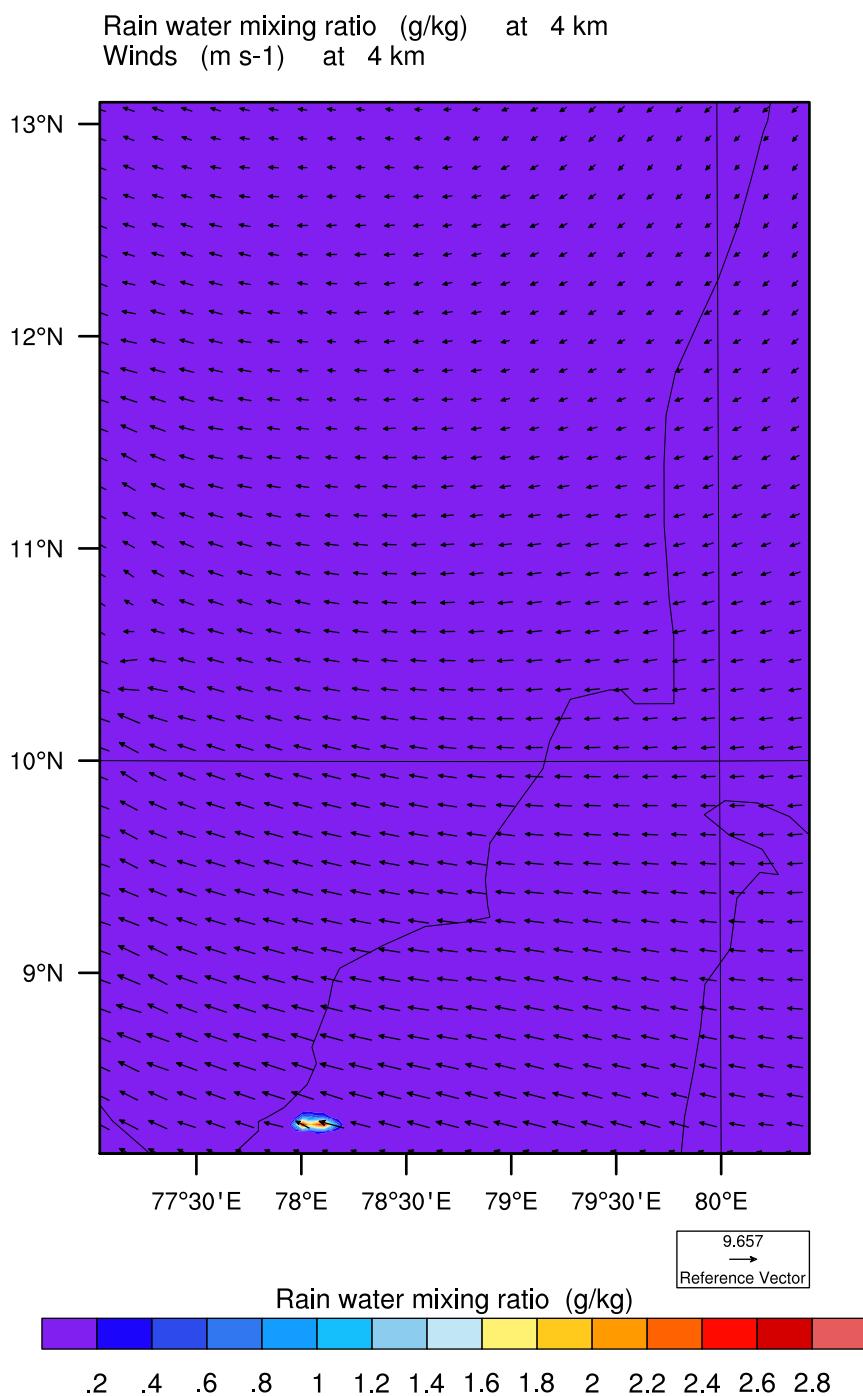
Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_20:00:00

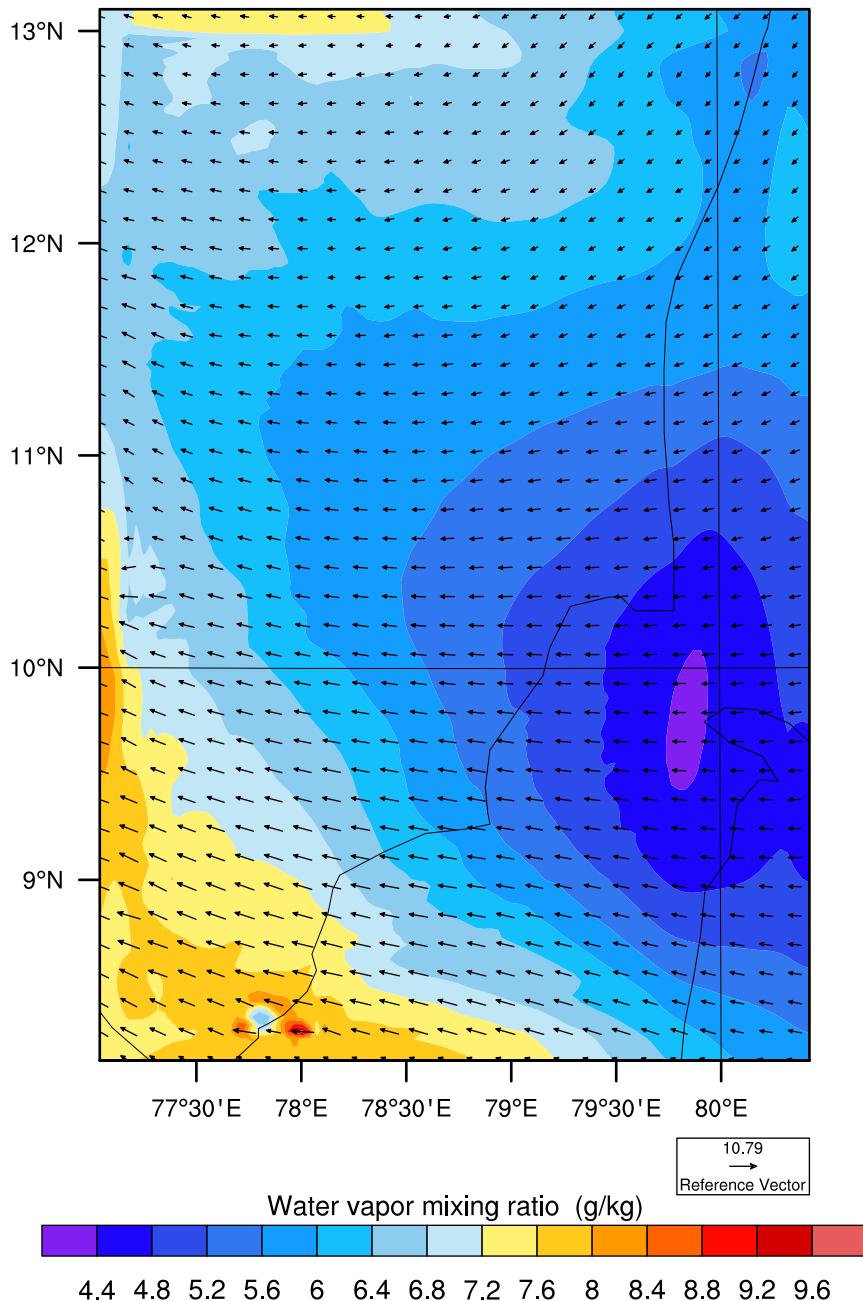


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_21:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



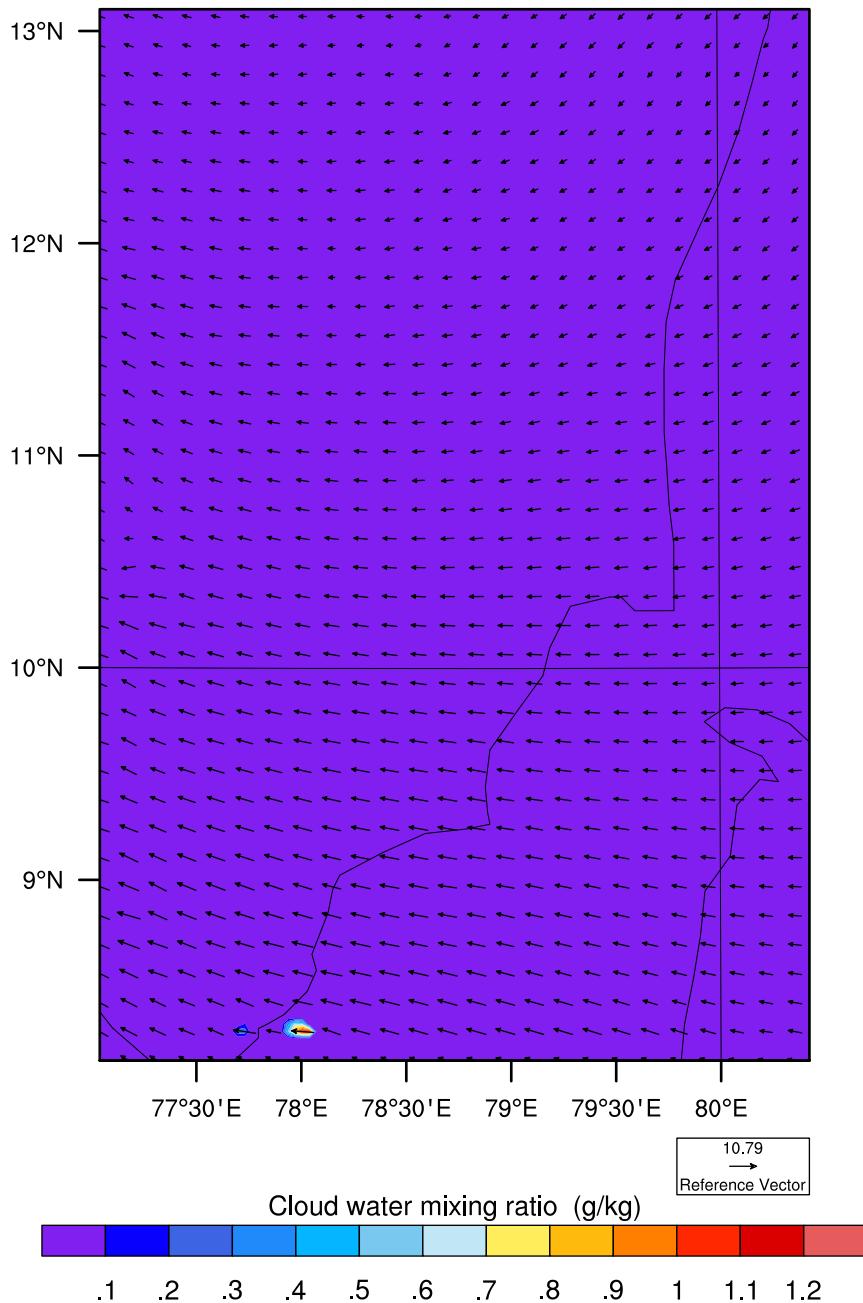
OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_21:00:00

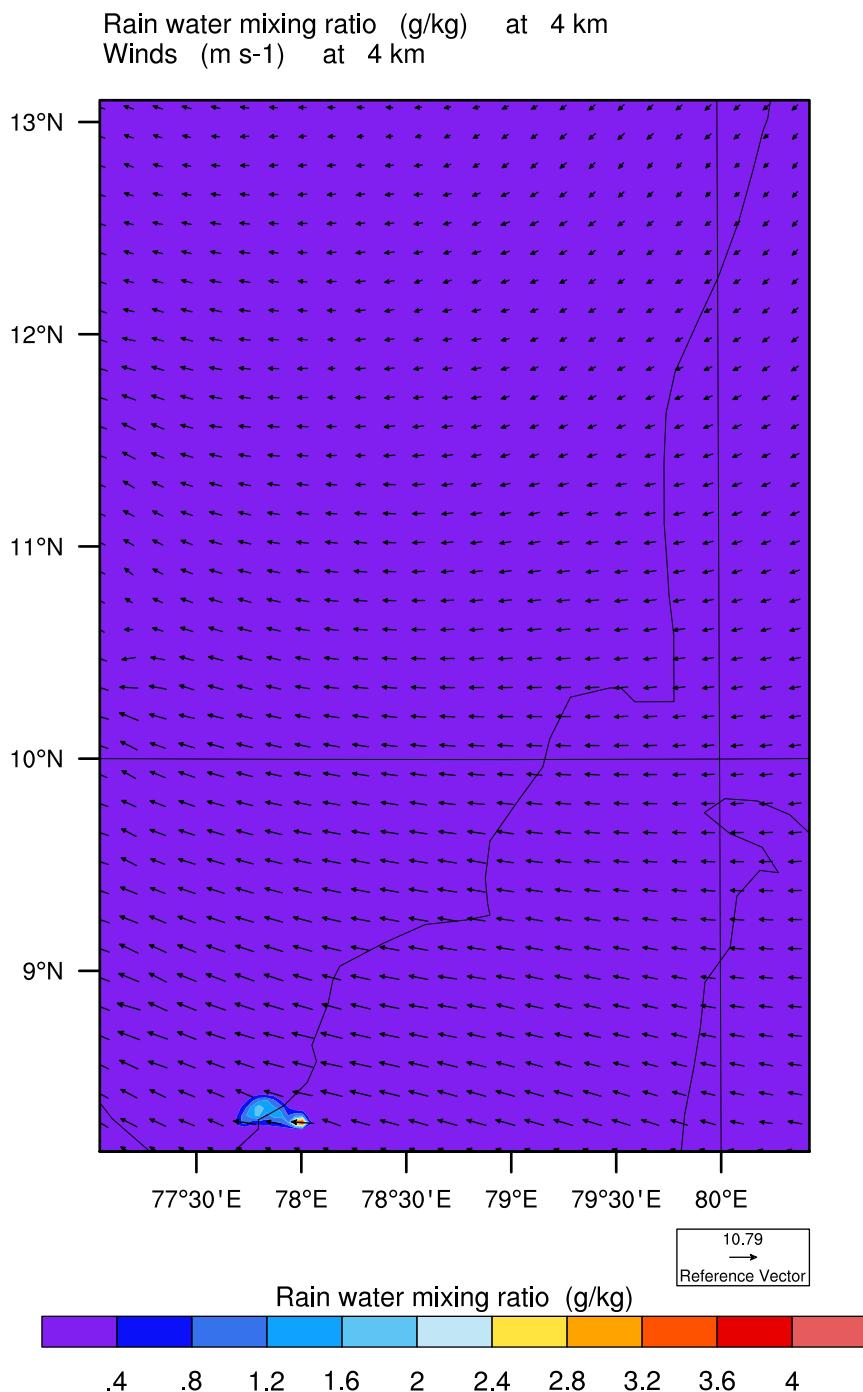
Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_21:00:00

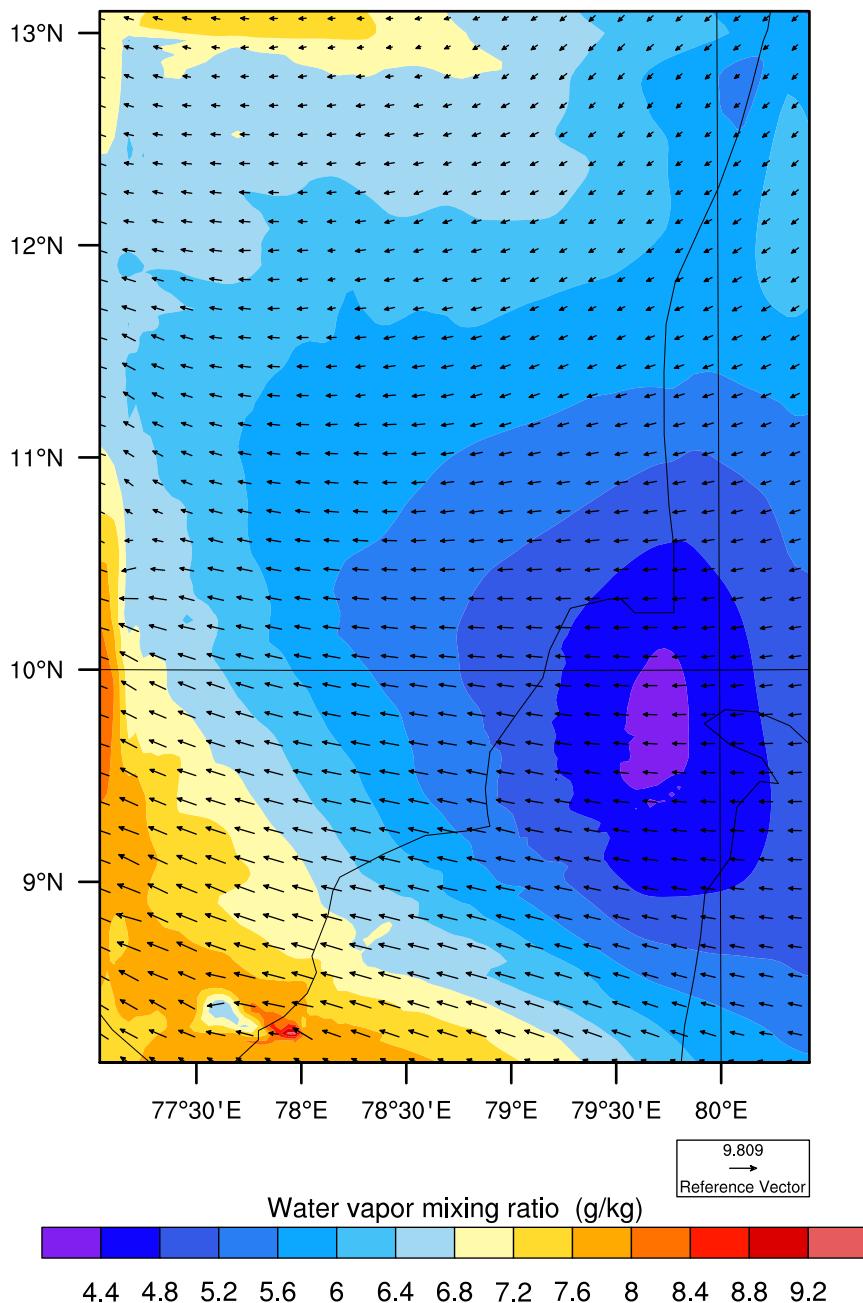


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_22:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



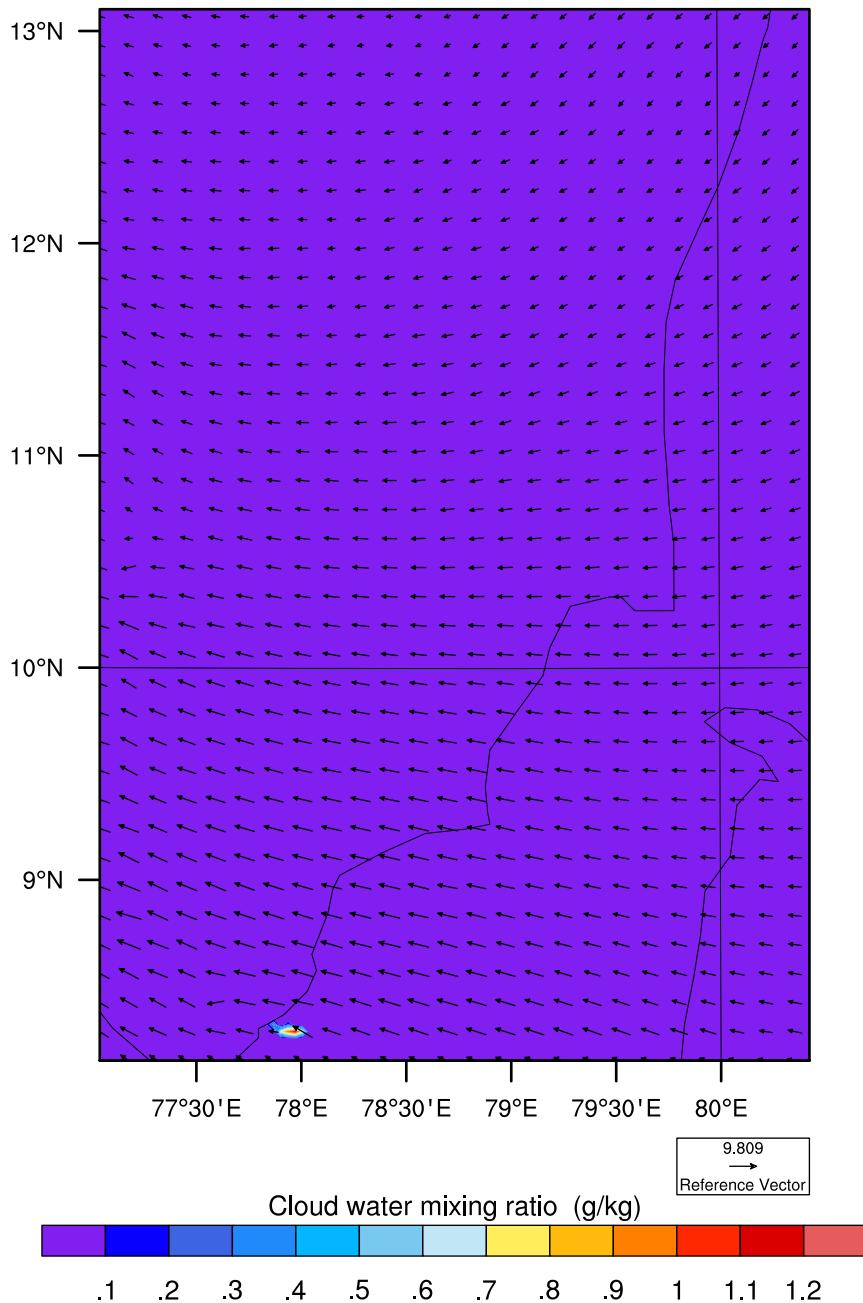
OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_22:00:00

Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

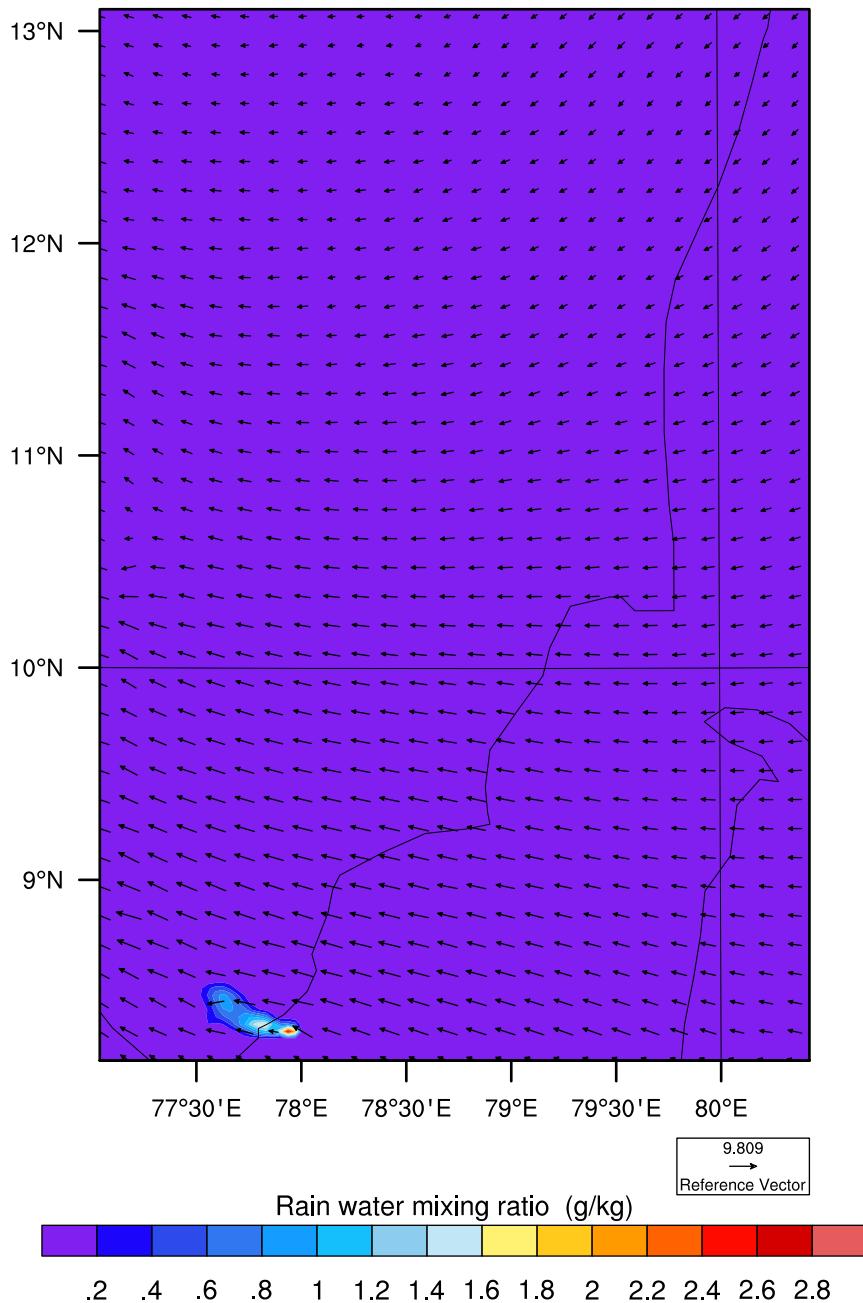


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_22:00:00

Rain water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

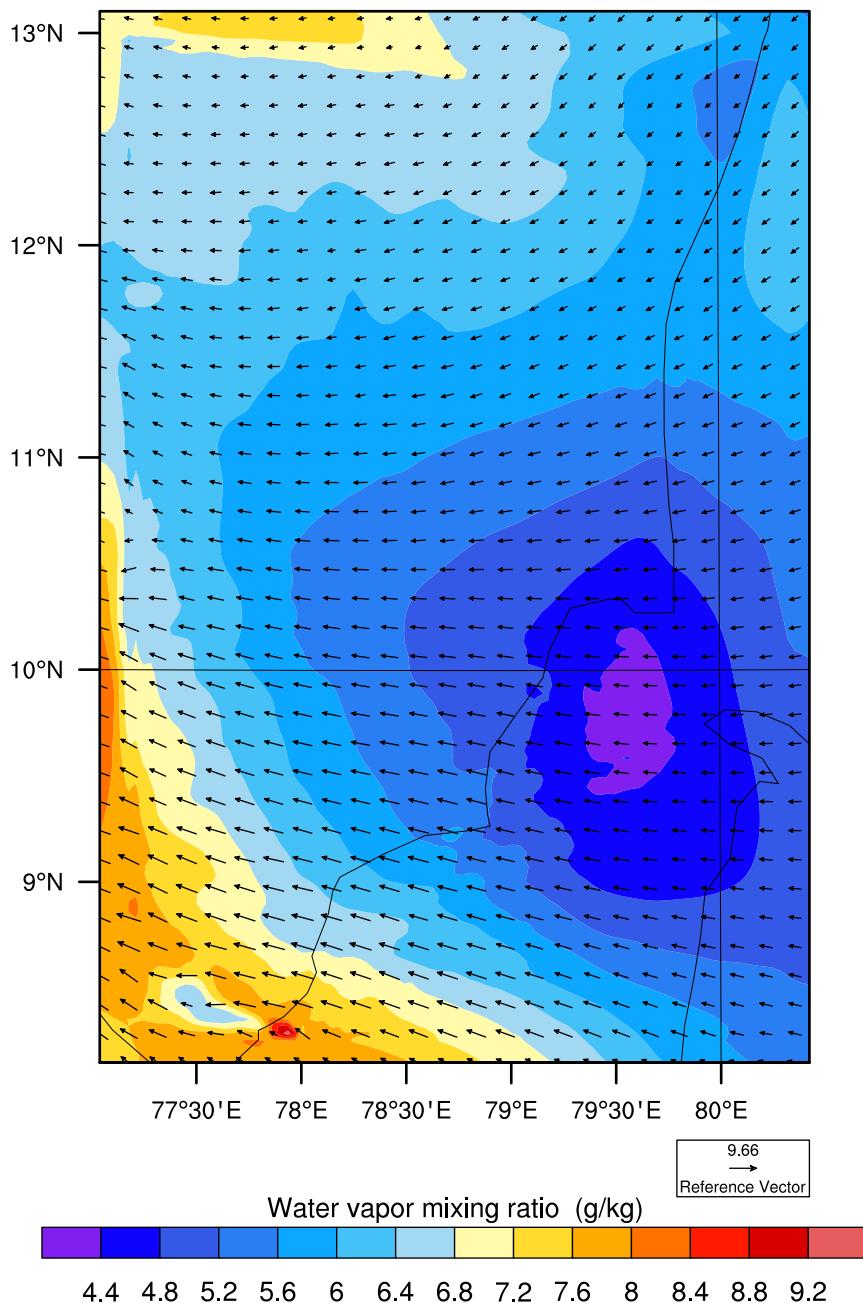


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_23:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km

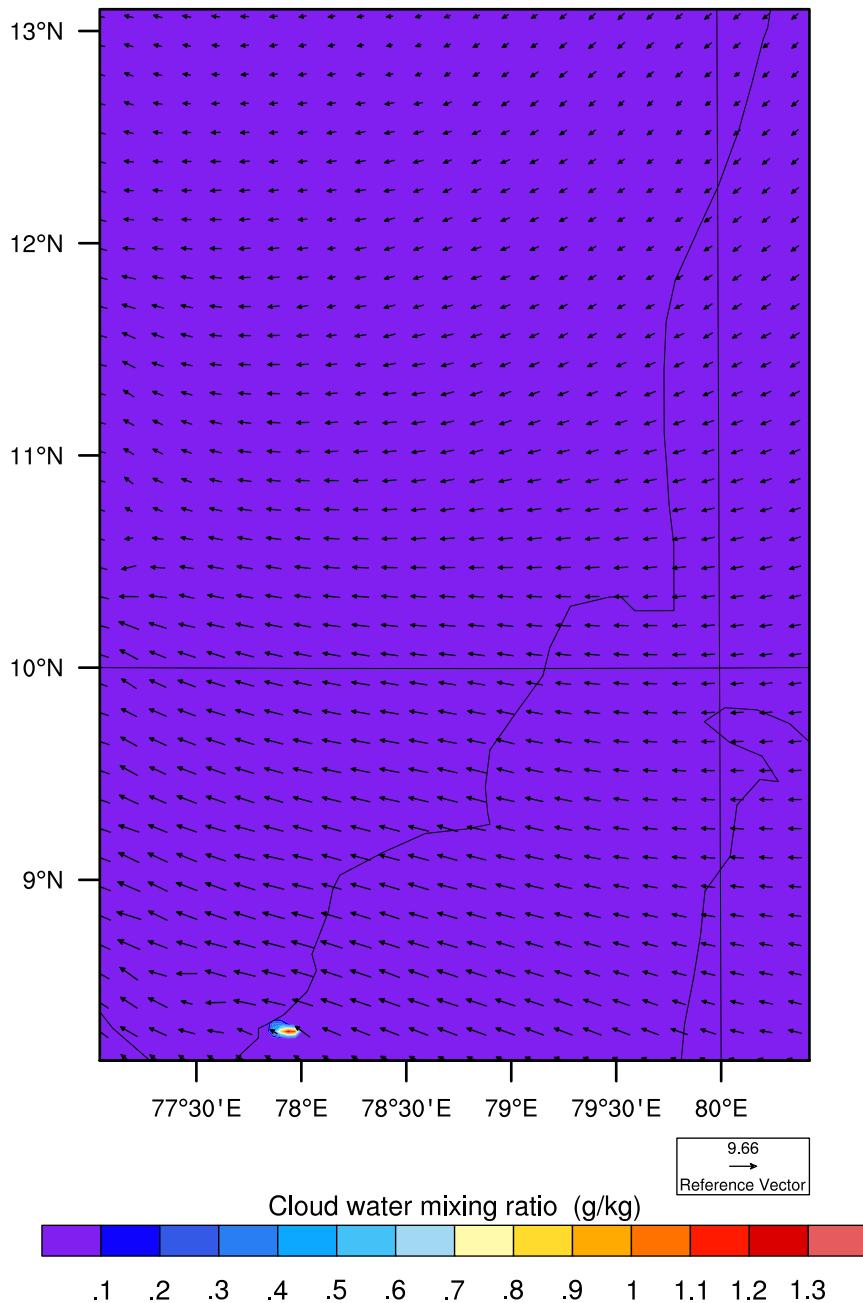


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_23:00:00

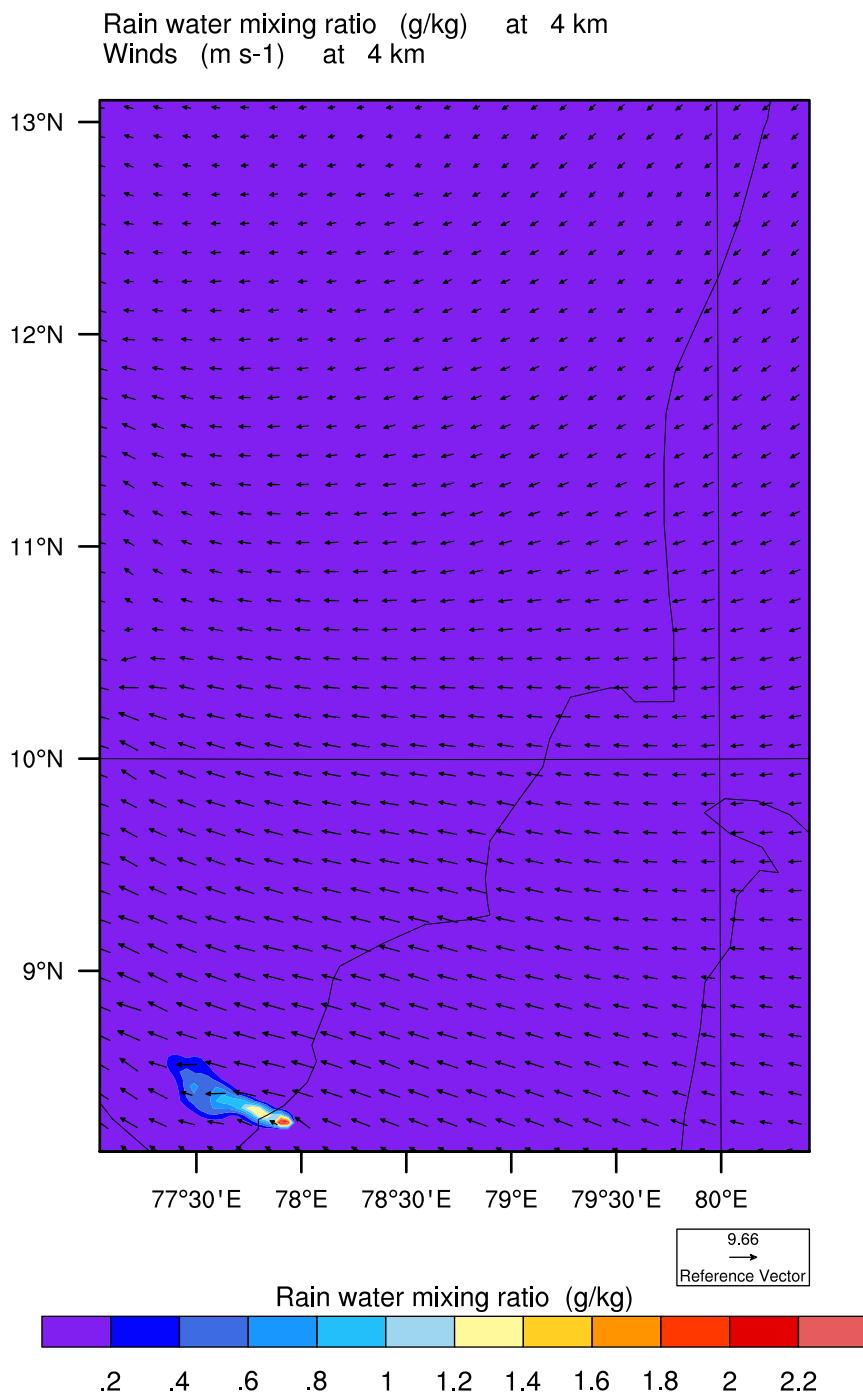
Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-24_23:00:00

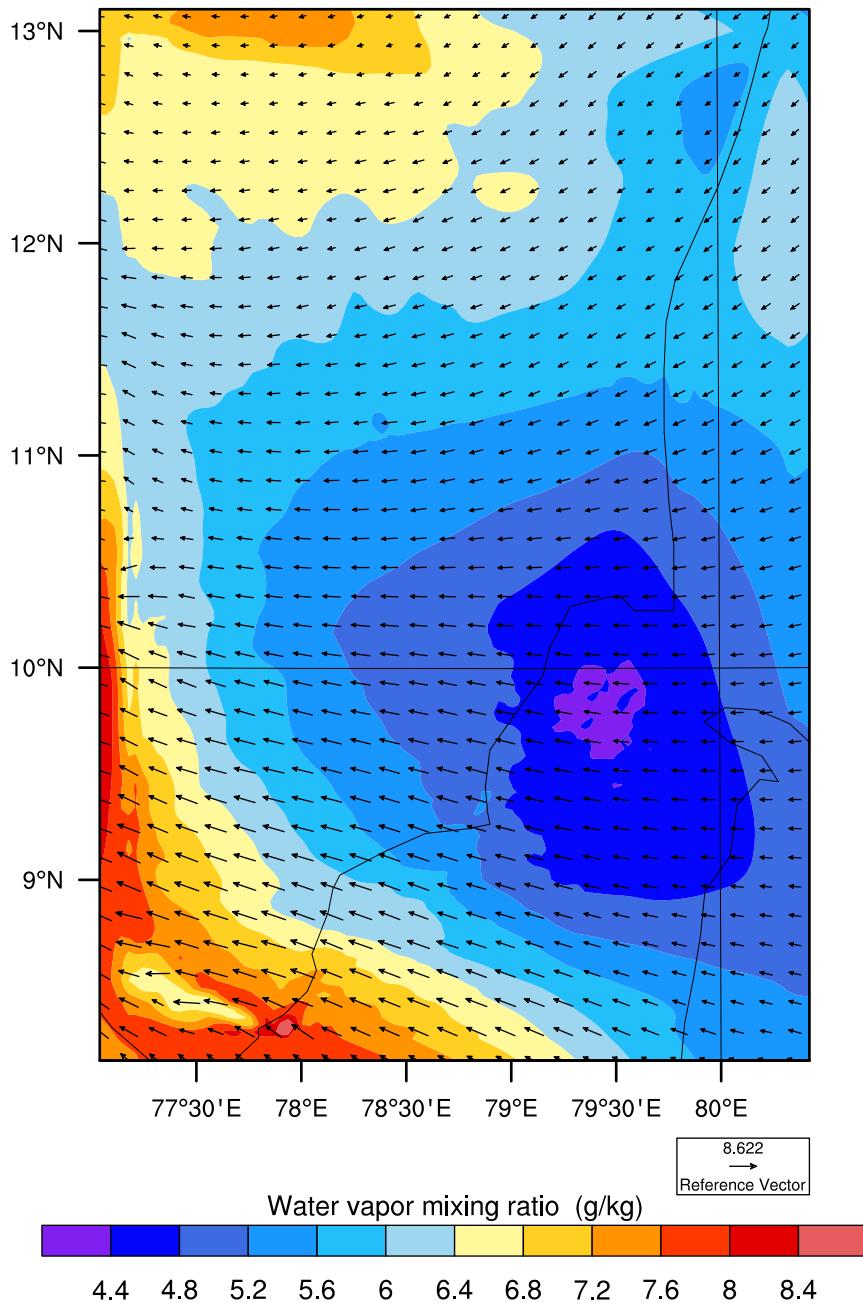


OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-25_00:00:00

Water vapor mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



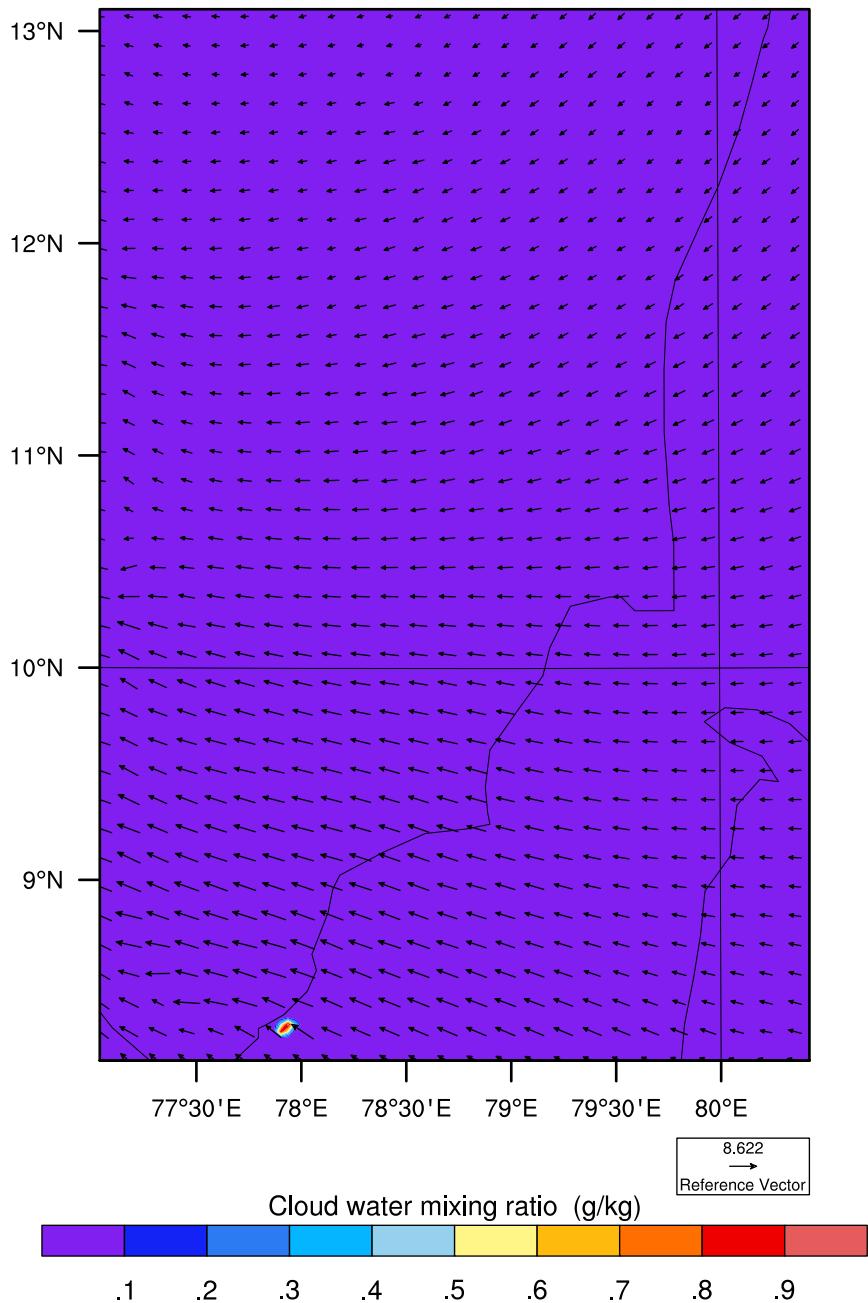
OUTPUT FROM WRF V3.4.1 MODEL

WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-25_00:00:00

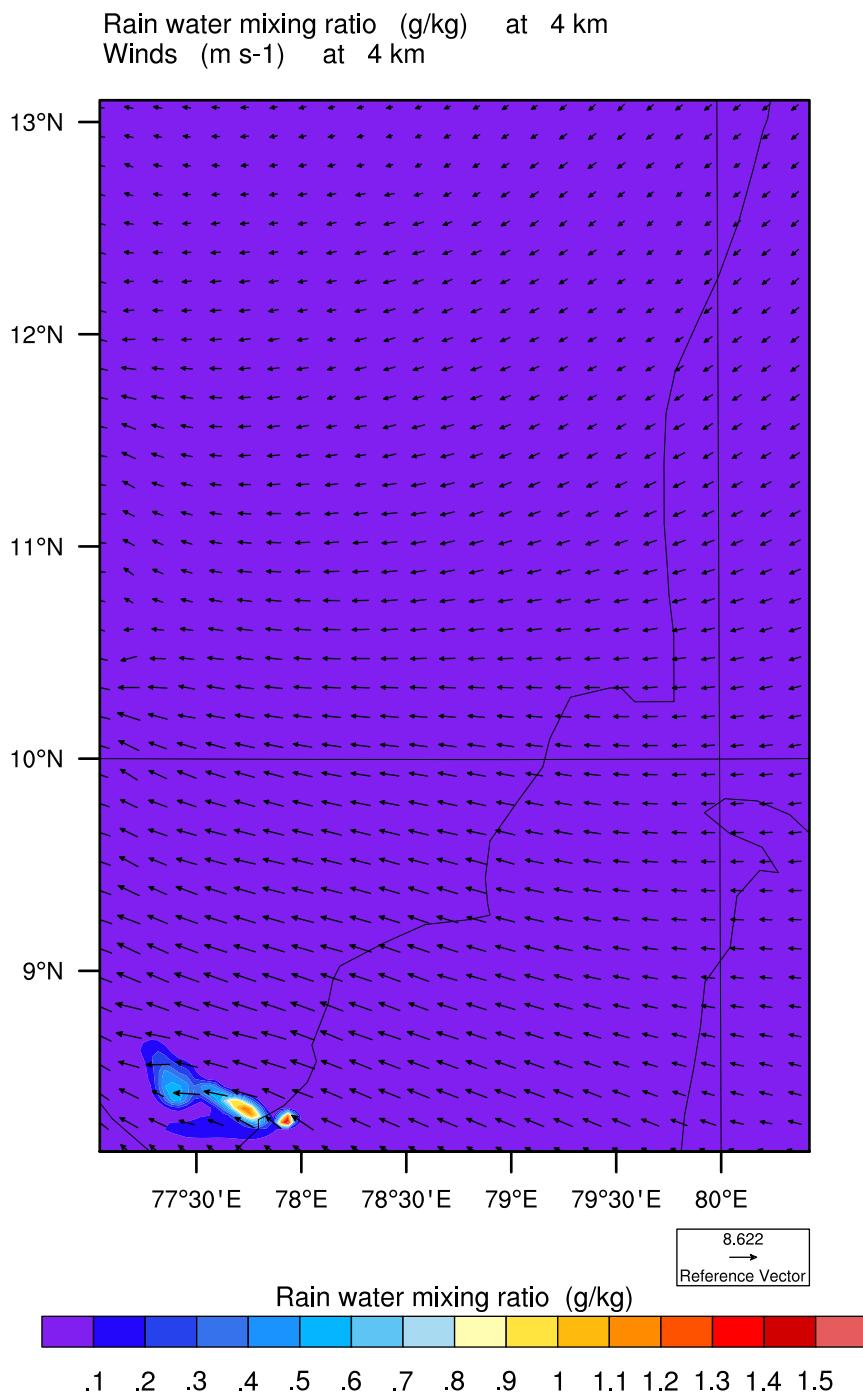
Cloud water mixing ratio (g/kg) at 4 km
Winds (m s⁻¹) at 4 km



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1

REAL-TIME WRF

Init: 2012-10-24_12:00:00
Valid: 2012-10-25_00:00:00



OUTPUT FROM WRF V3.4.1 MODEL
WE = 100 ; SN = 147 ; Levels = 35 ; Dis = 3.8km ; Phys Opt = 3 ; PBL Opt = 1 ; Cu Opt = 1