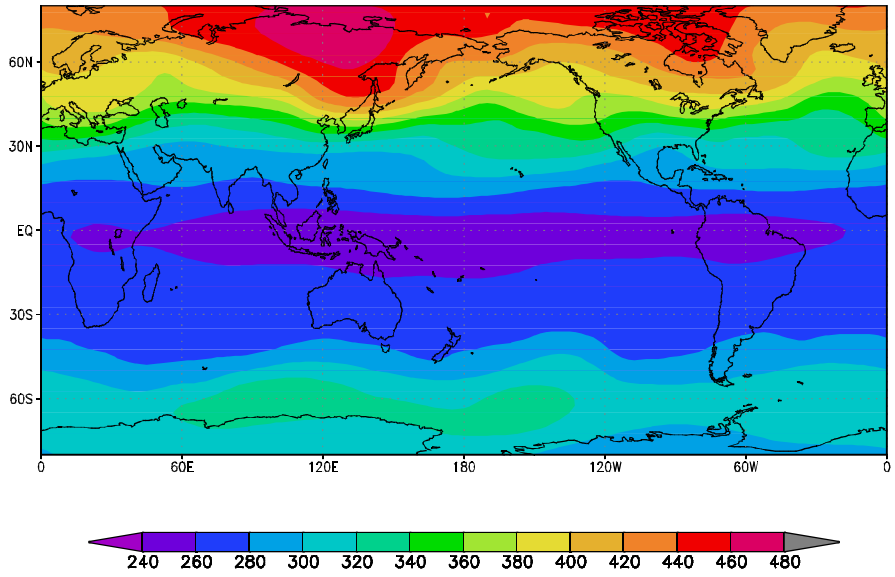
Changing SMOBA input from NOAA-14 to NOAA-16

S.-K. Yang & A. J. Miller

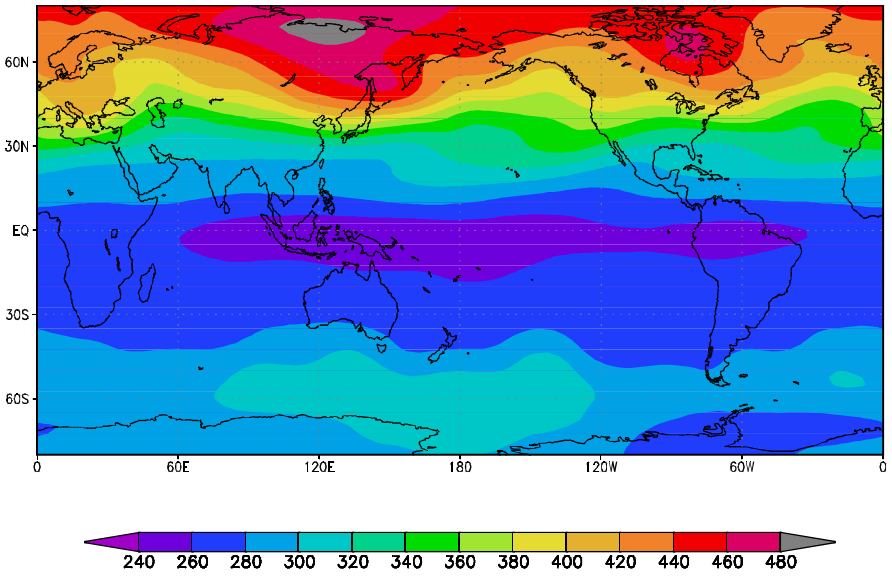
SARB WG /24th CERES STM
5/1~3/01
Newport News, VA

- *SBUV/2 onboard NOAA-14 was failing in late March.*
- *Also NOAA-14 is drifting to the dark.*
- *SBUV/2 onboard NOAA-16 become operational.*
- *Switching SMOBA input from NOAA-14 to NOAA-16 on April 1, 2001.*
- *TOMS's one side scan is higher than the other.*
- *In general, N-16 SBUB/2 is slightly higher than N-14 and TOMS.*

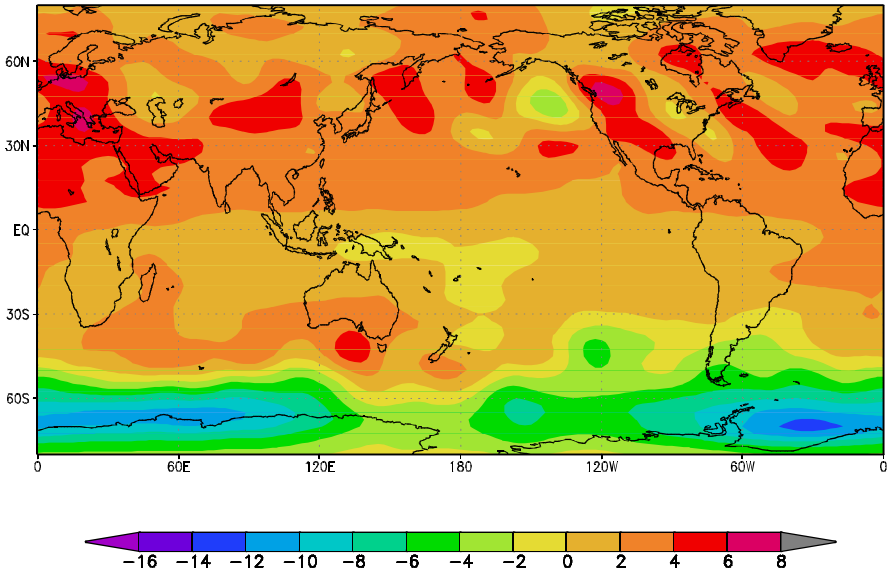
SMOBA (N14) total O3 (April,2001)

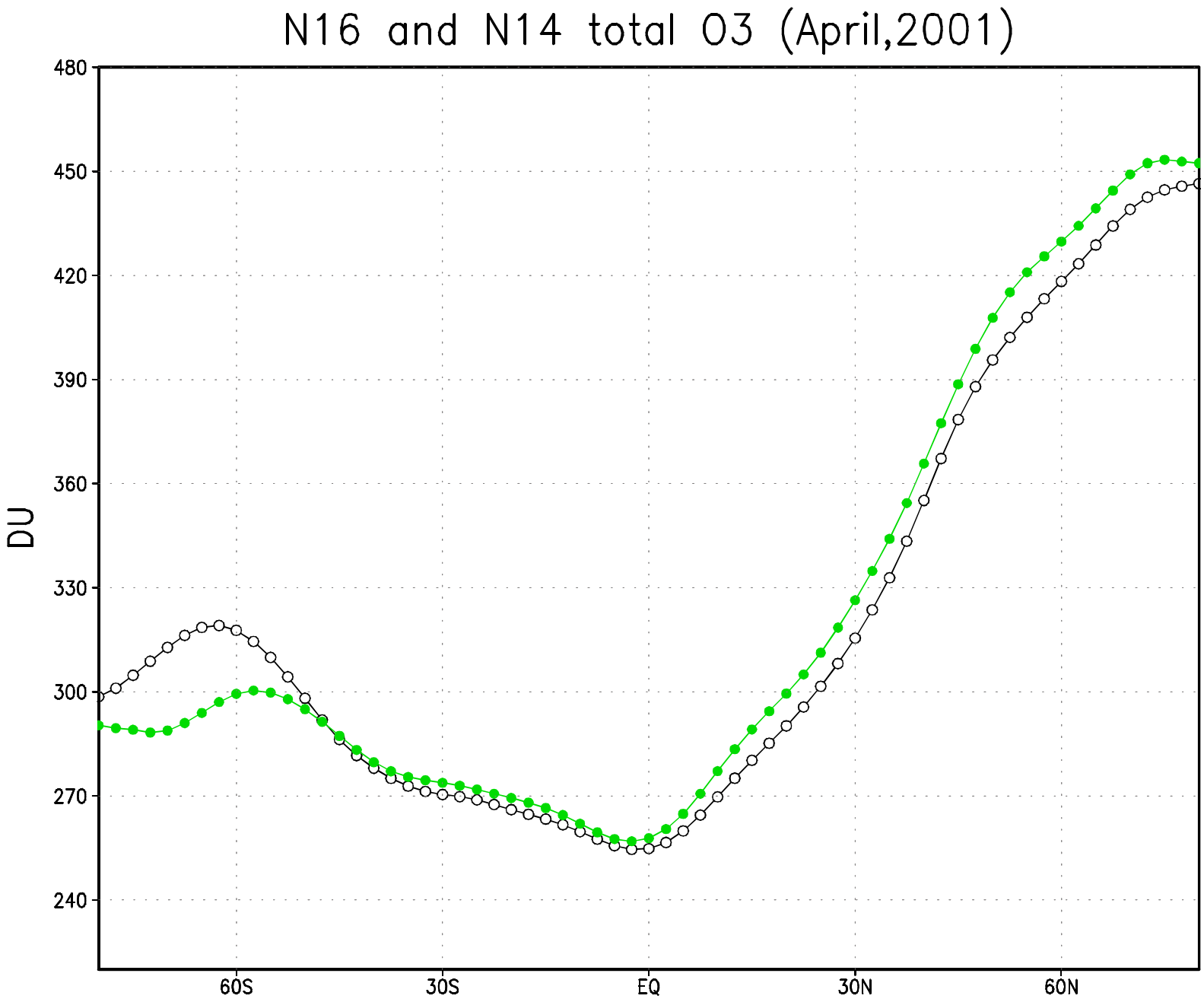


SMOBA (N16) total O3 (April,2001)

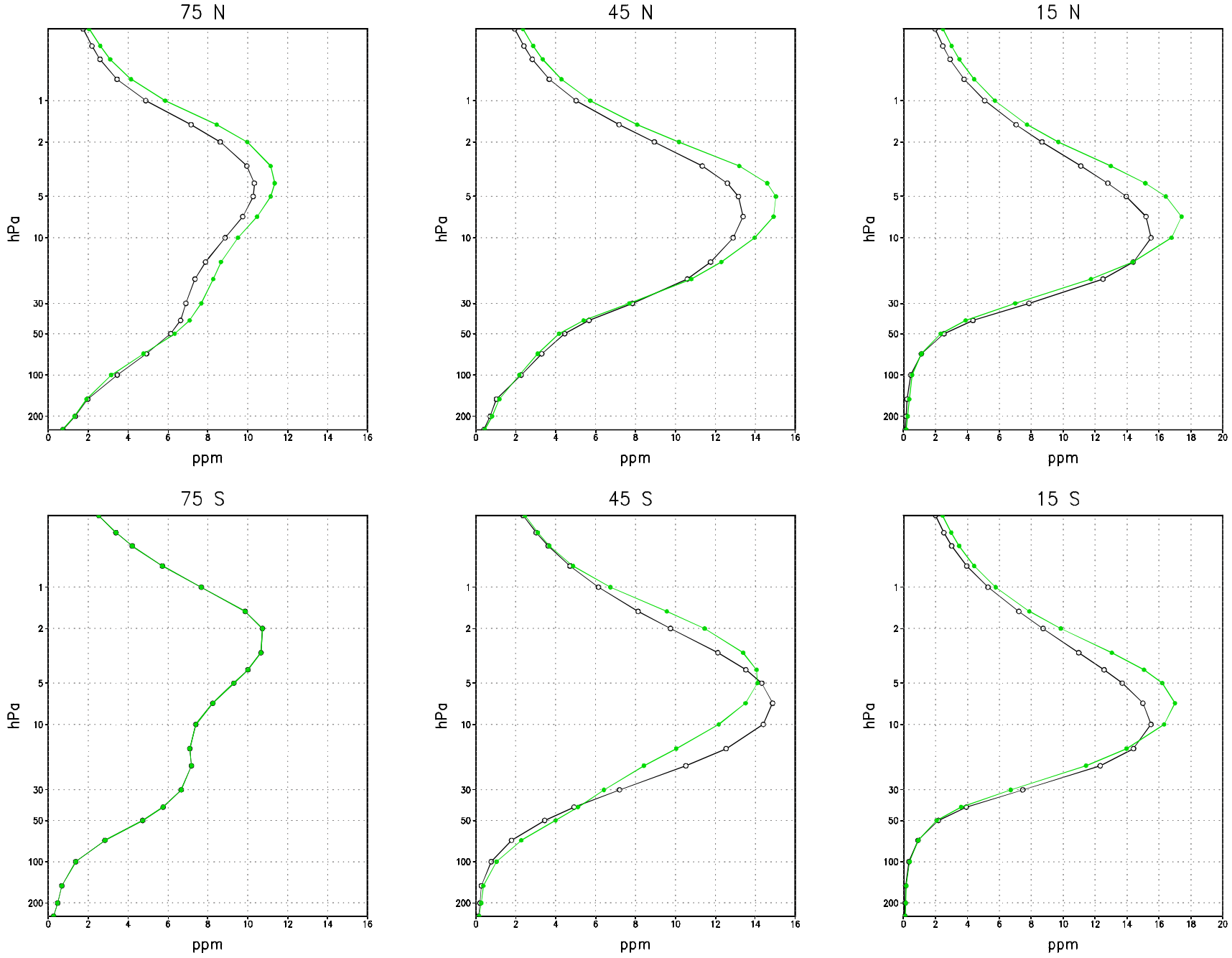


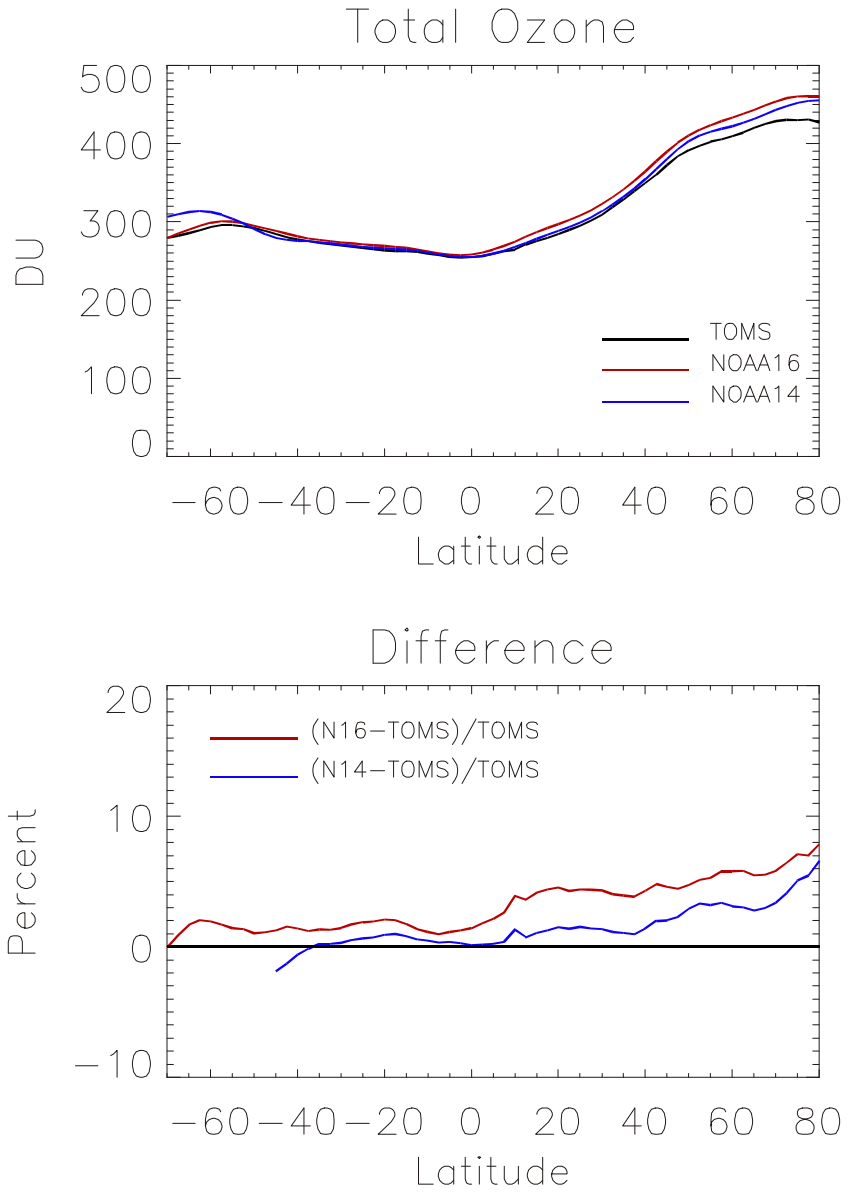
(N16−N14)/N14 % difference (April,2001)




N16 and N14 total O3 (April,2001)
480
450
420
390
360
330
300
270
240
DU
60S
30S
EQ
30N
60N

O3 profiles, N16(green) vs N14(black), (April,2001)




Total Ozone
500
400
300
200
100
0
DU
TOMS
NOAA16
NOAA14
−60 −40 −20 0 20 40 60 80
Latitude
Difference
20
10
0
−10
Percent
(N16−TOMS)/TOMS
(N14−TOMS)/TOMS
−60 −40 −20 0 20 40 60 80
Latitude