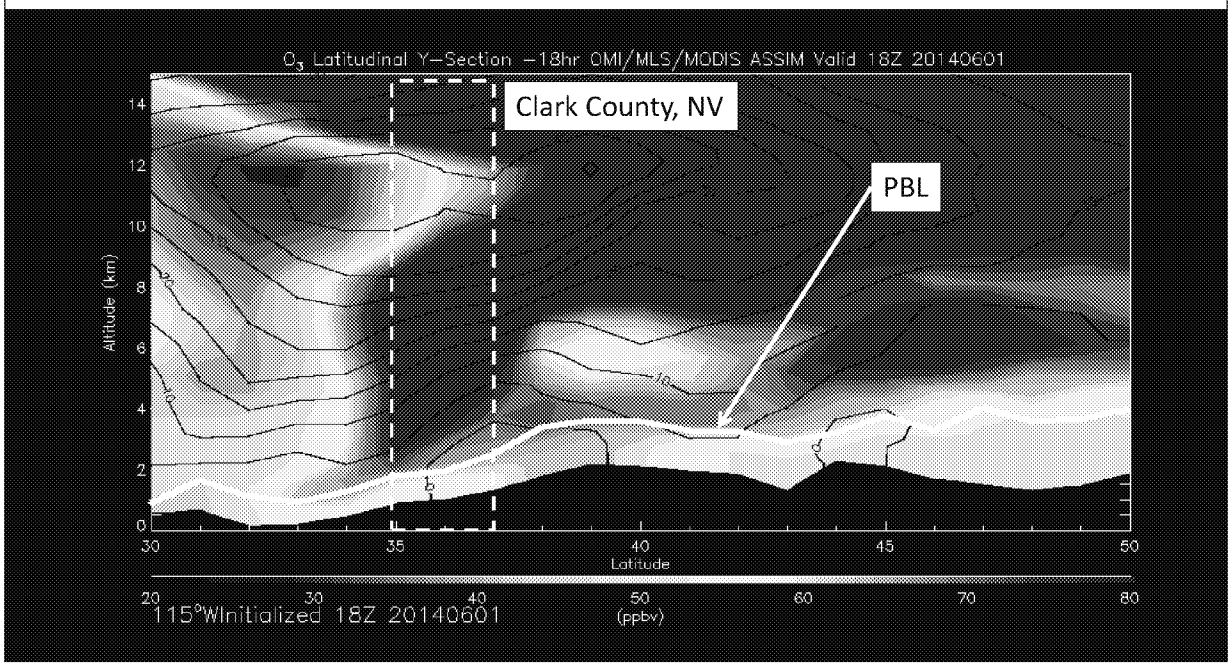
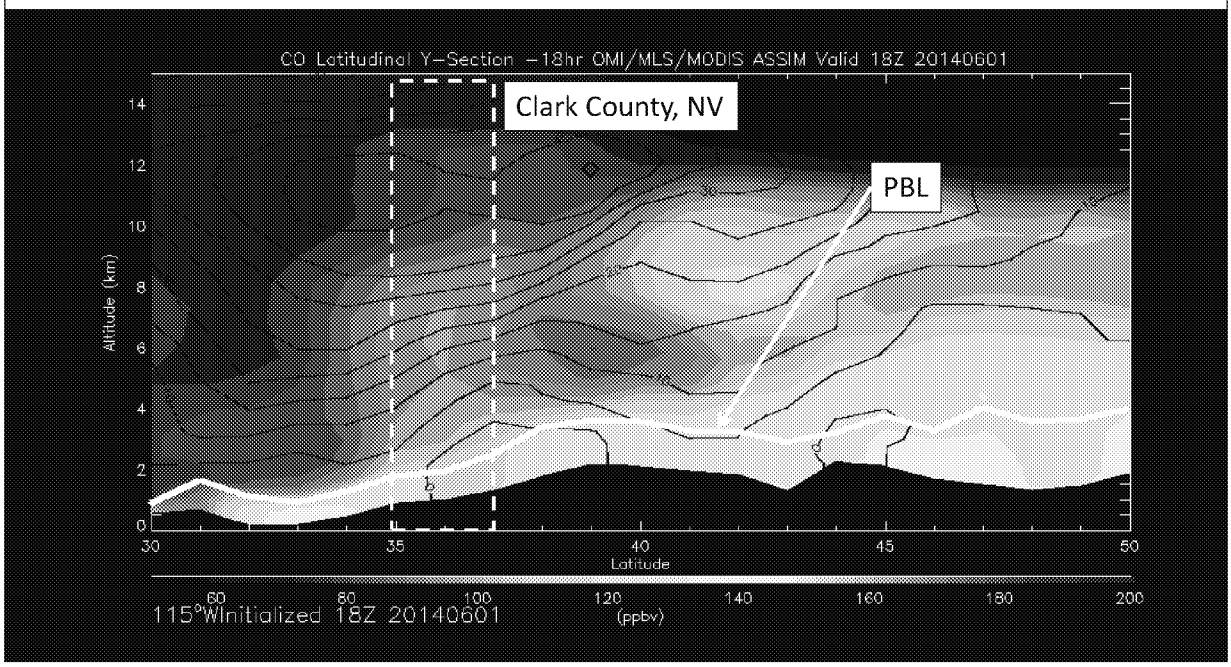
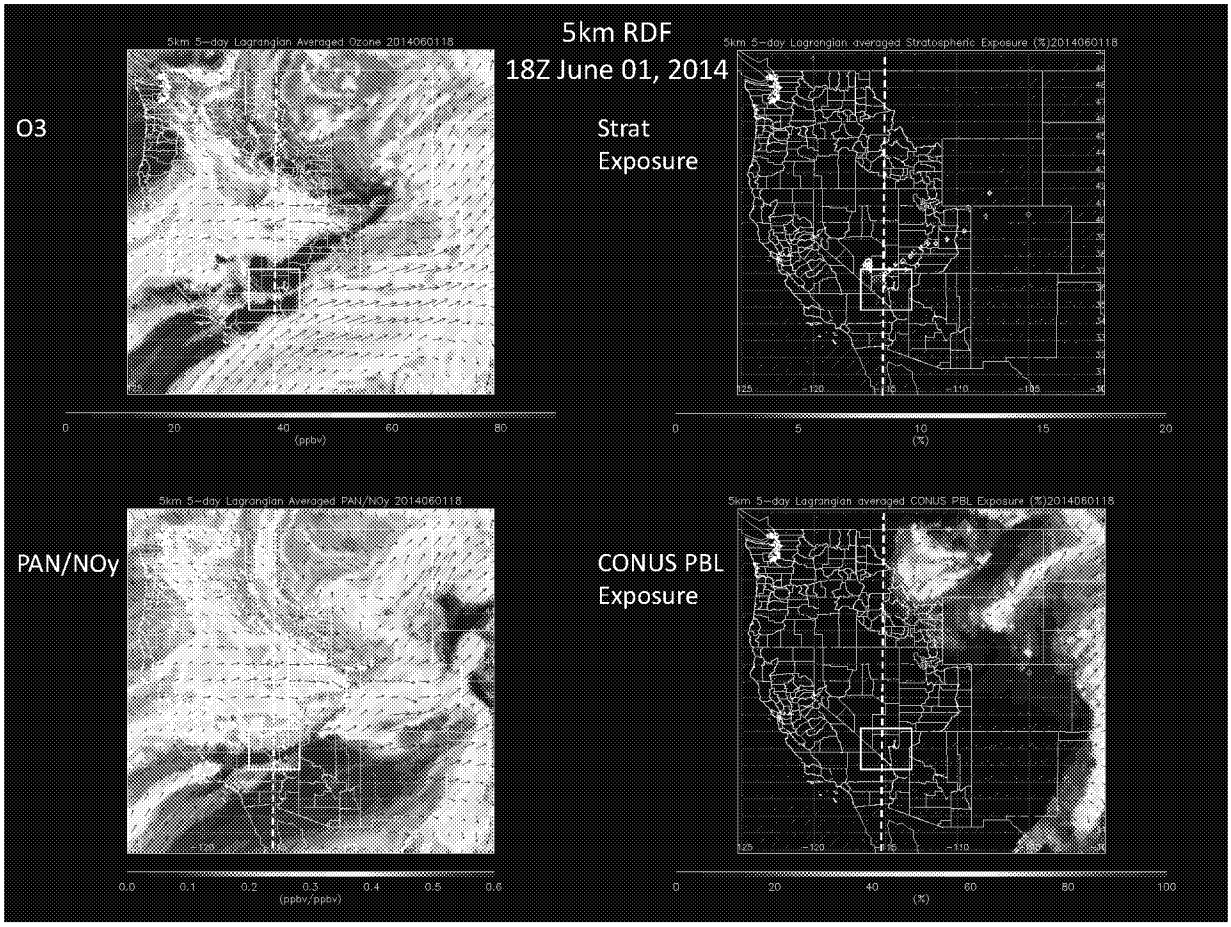
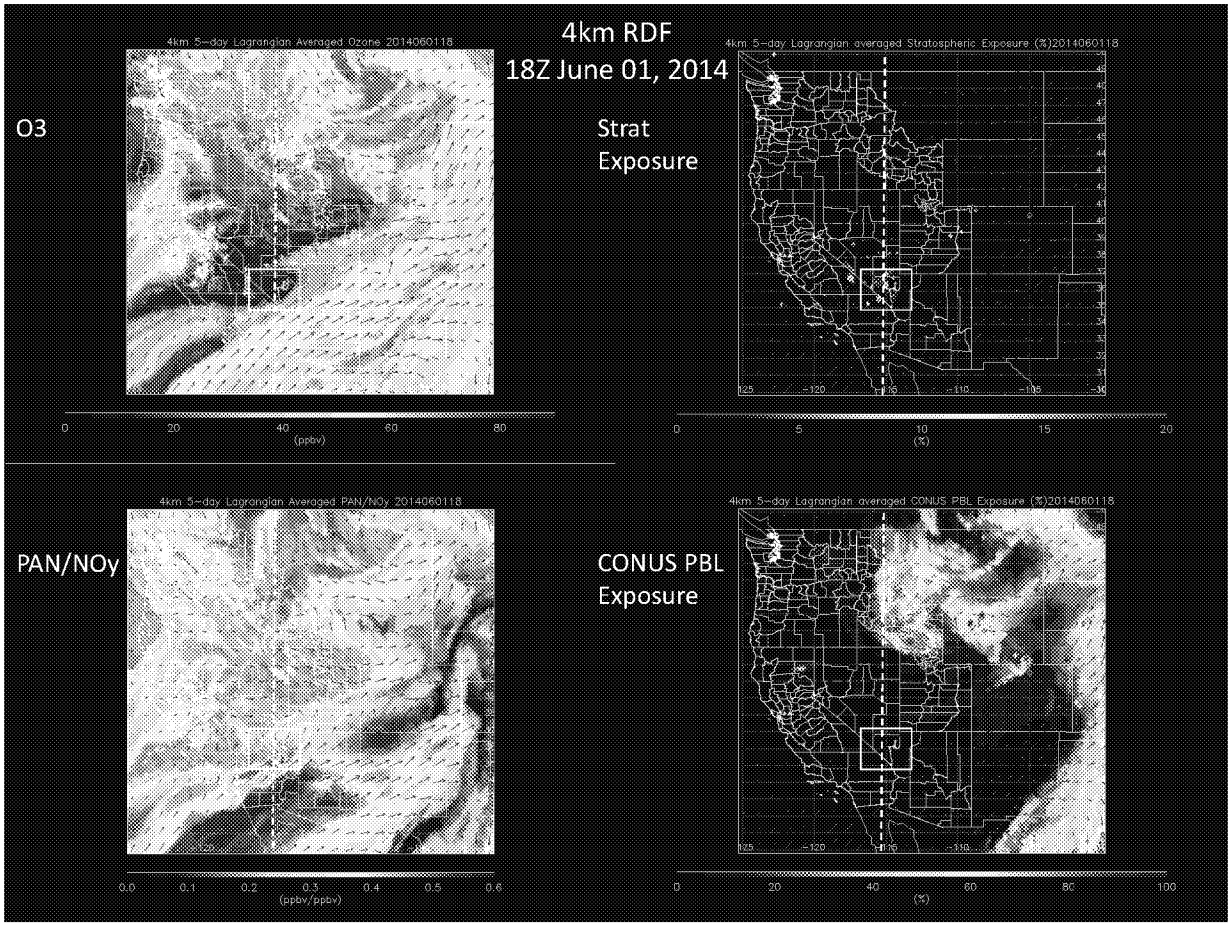
RAQMS O3 Analysis 115W 18Z June 01, 2014

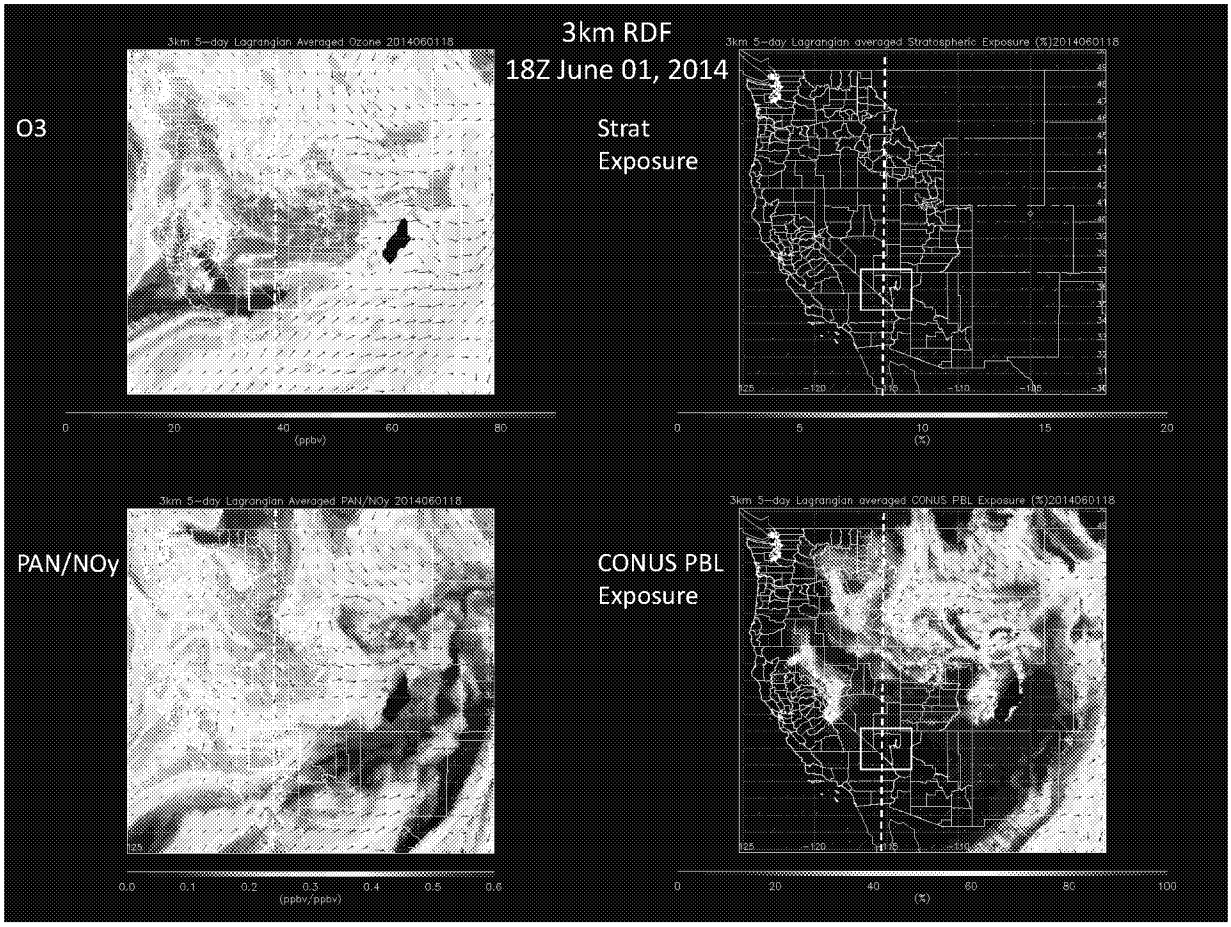


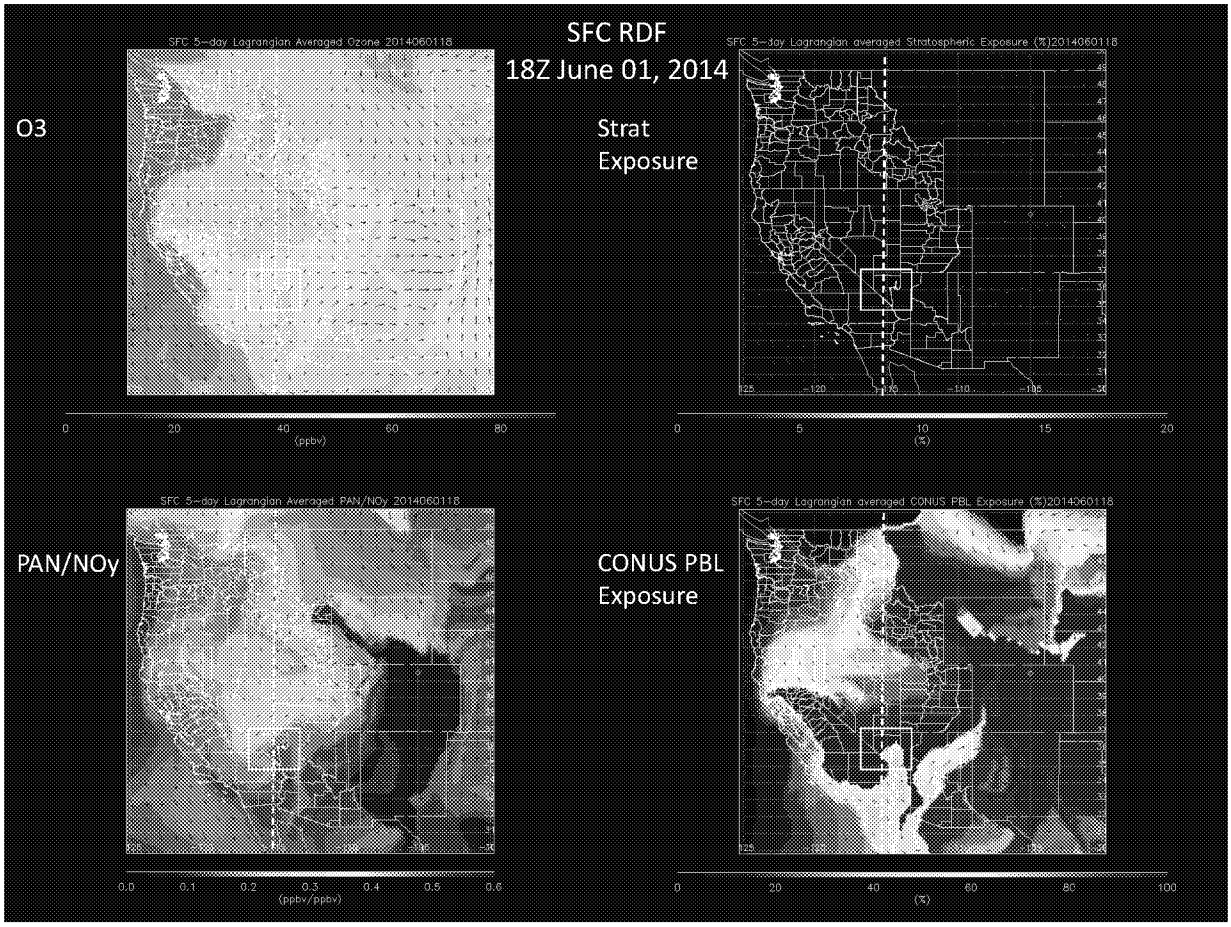
RAQMS CO Analysis 115W 18Z June 01, 2014

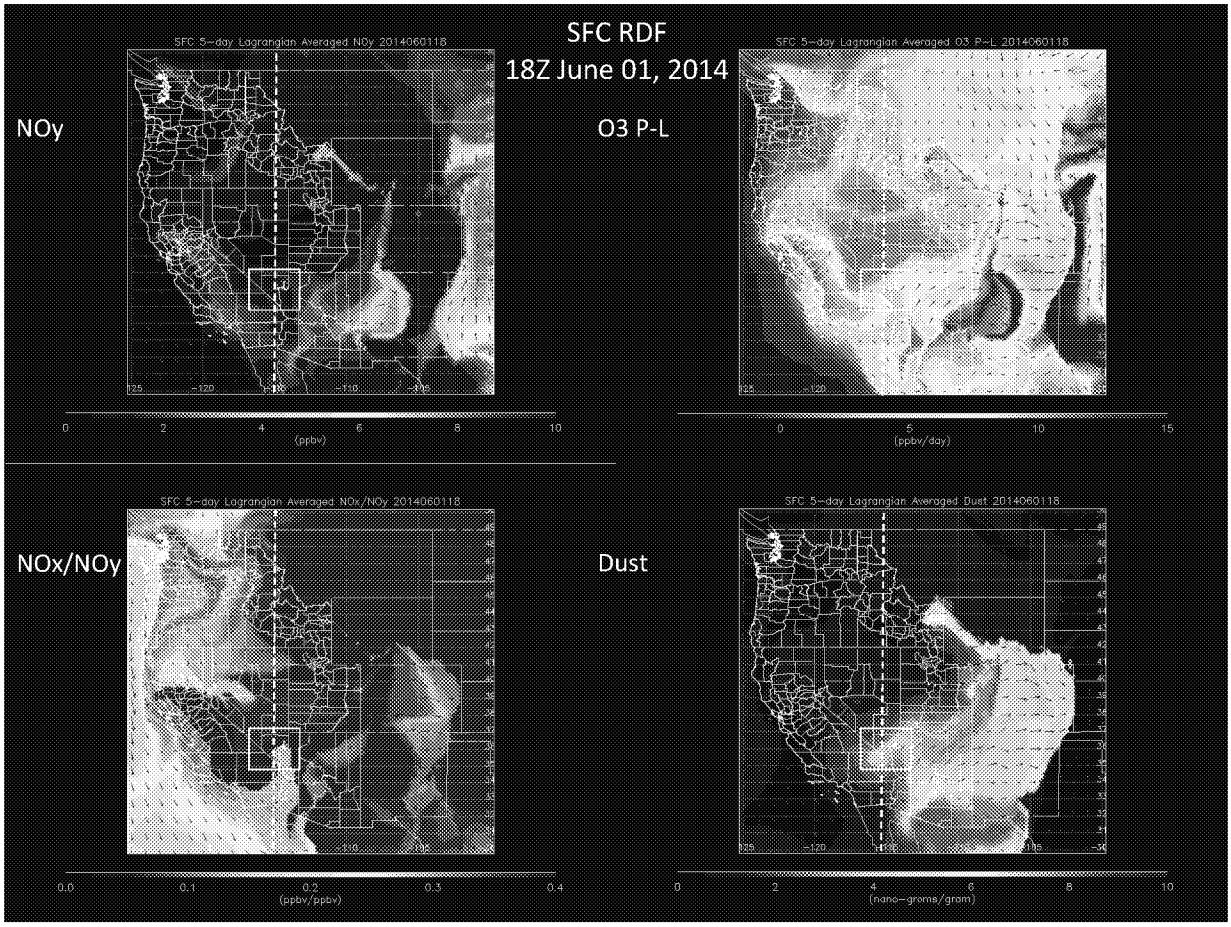



5km RDF
18Z June 01, 2014
O3
5km 5-day Lagrangian Averaged Ozone 2014060118
0 20 40 60 80
(ppbv)
Strat
Exposure
5km 5-day Lagrangian averaged Stratospheric Exposure (%)2014060118
0 5 10 15 20
(%)
PAN/NOy
5km 5-day Lagrangian Averaged PAN/NOy 2014060118
0.0 0.1 0.2 0.3 0.4 0.5 0.6
(ppbv/ppbv)
CONUS PBL
Exposure
5km 5-day Lagrangian averaged CONUS PBL Exposure (%)2014060118
0 20 40 60 80 100
(%)


4km RDF
18Z June 01, 2014
O3
4km 5-day Lagrangian Averaged Ozone 2014060118
0 20 40 60 80
(ppbv)
Strat
Exposure
4km 5-day Lagrangian averaged Stratospheric Exposure (%)2014060118
0 5 10 15 20
(%)
PAN/NOy
4km 5-day Lagrangian Averaged PAN/NOy 2014060118
0.0 0.1 0.2 0.3 0.4 0.5 0.6
(ppbv/ppbv)
CONUS PBL
Exposure
4km 5-day Lagrangian averaged CONUS PBL Exposure (%)2014060118
0 20 40 60 80 100
(%)


3km RDF
18Z June 01, 2014
O3
3km 5-day Lagrangian Averaged Ozone 2014060118
0 20 40 60 80
(ppbv)
Strat
Exposure
3km 5-day Lagrangian averaged Stratospheric Exposure (%)2014060118
0 5 10 15 20
(%)
PAN/NOy
3km 5-day Lagrangian Averaged PAN/NOy 2014060118
0.0 0.1 0.2 0.3 0.4 0.5 0.6
(ppbv/ppbv)
CONUS PBL
Exposure
3km 5-day Lagrangian averaged CONUS PBL Exposure (%)2014060118
0 20 40 60 80 100
(%)


SFC RDF
18Z June 01, 2014
O3
SFC 5-day Lagrangian Averaged Ozone 2014060118
0
20
40
60
80
(ppbv)
Strat
Exposure
SFC 5-day Lagrangian averaged Stratospheric Exposure (%)2014060118
0
5
10
15
20
(%)
PAN/NOy
SFC 5-day Lagrangian Averaged PAN/NOy 2014060118
0.0
0.1
0.2
0.3
0.4
0.5
0.6
(ppbv/ppbv)
CONUS PBL
Exposure
SFC 5-day Lagrangian averaged CONUS PBL Exposure (%)2014060118
0
20
40
60
80
100
(%)


SFC RDF
18Z June 01, 2014
NOy
SFC 5-day Lagrangian Averaged NOy 2014060118
0 2 4 6 8 10
(ppbv)
O3 P-L
SFC 5-day Lagrangian Averaged O3 P-L 2014060118
0 5 10 15
(ppbv/day)
NOx/NOy
SFC 5-day Lagrangian Averaged NOx/NOy 2014060118
0.0 0.1 0.2 0.3 0.4
(ppbv/ppbv)
Dust
SFC 5-day Lagrangian Averaged Dust 2014060118
0 2 4 6 8 10
(nano-grams/gram)