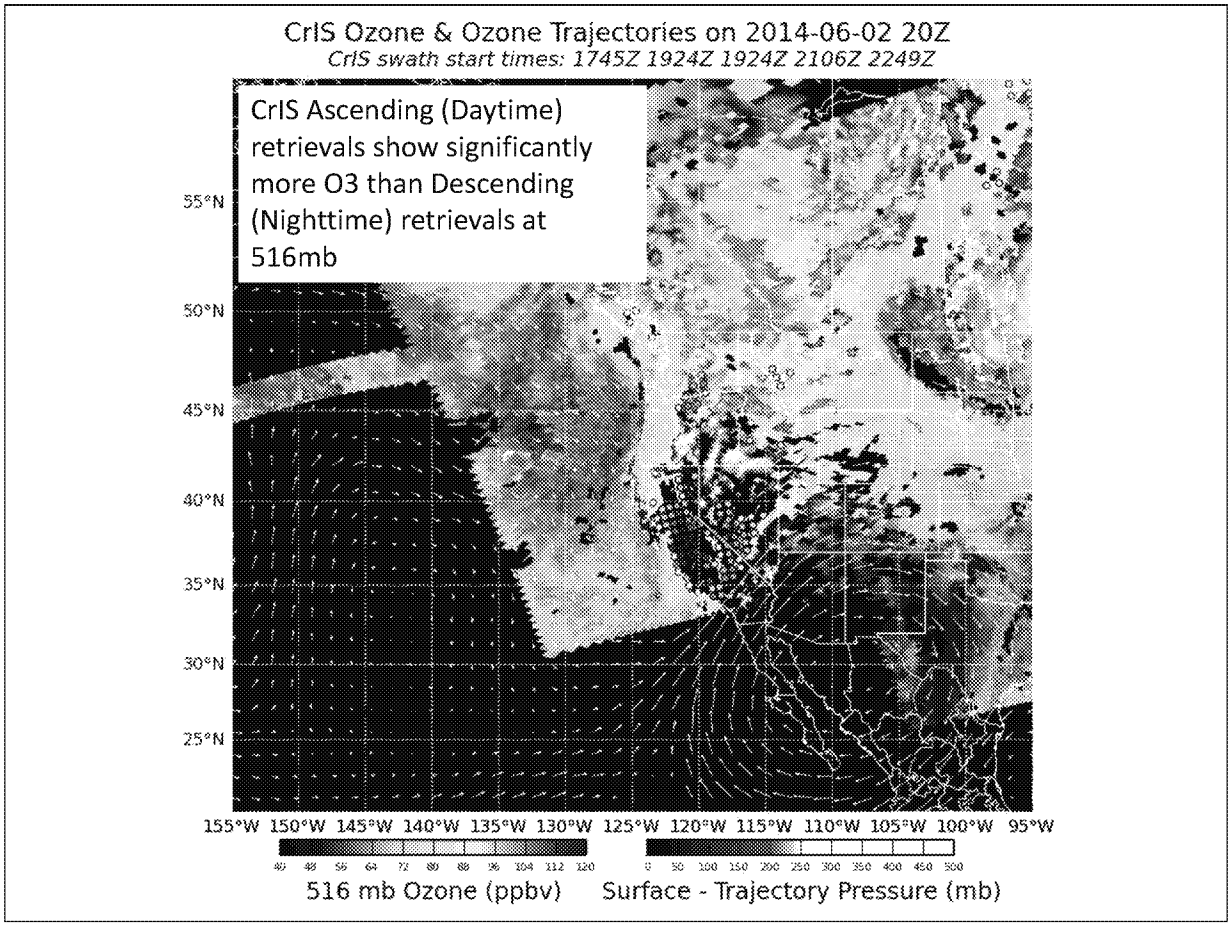
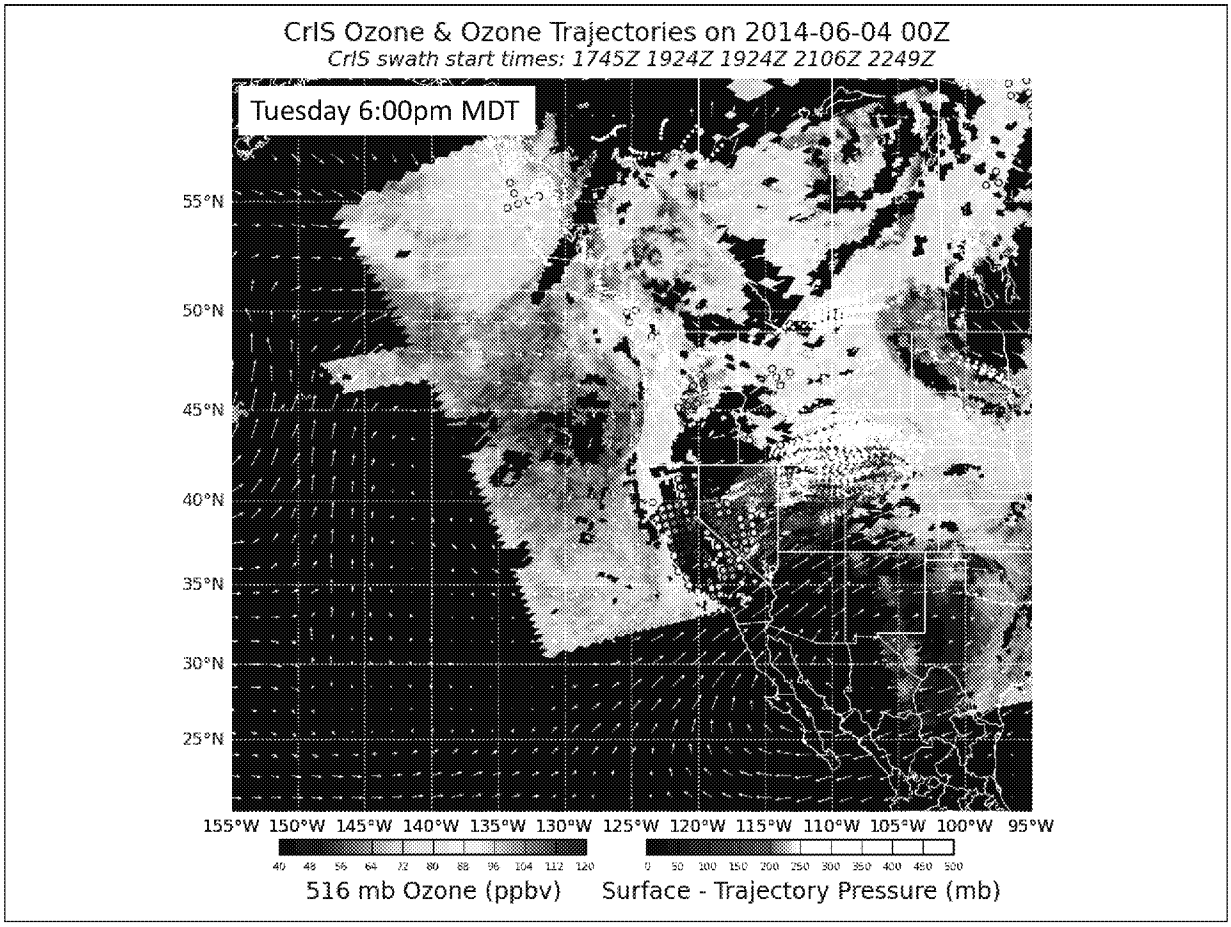
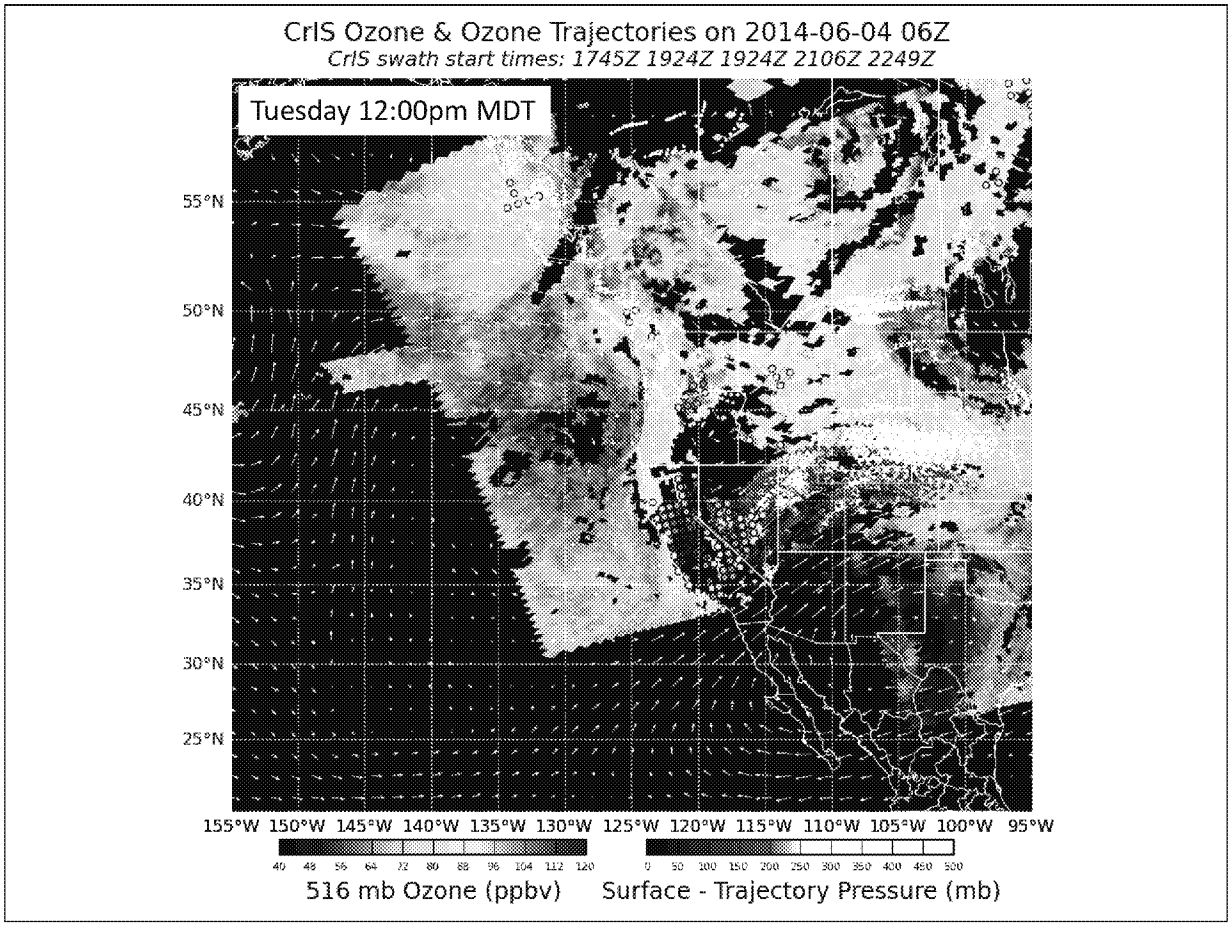
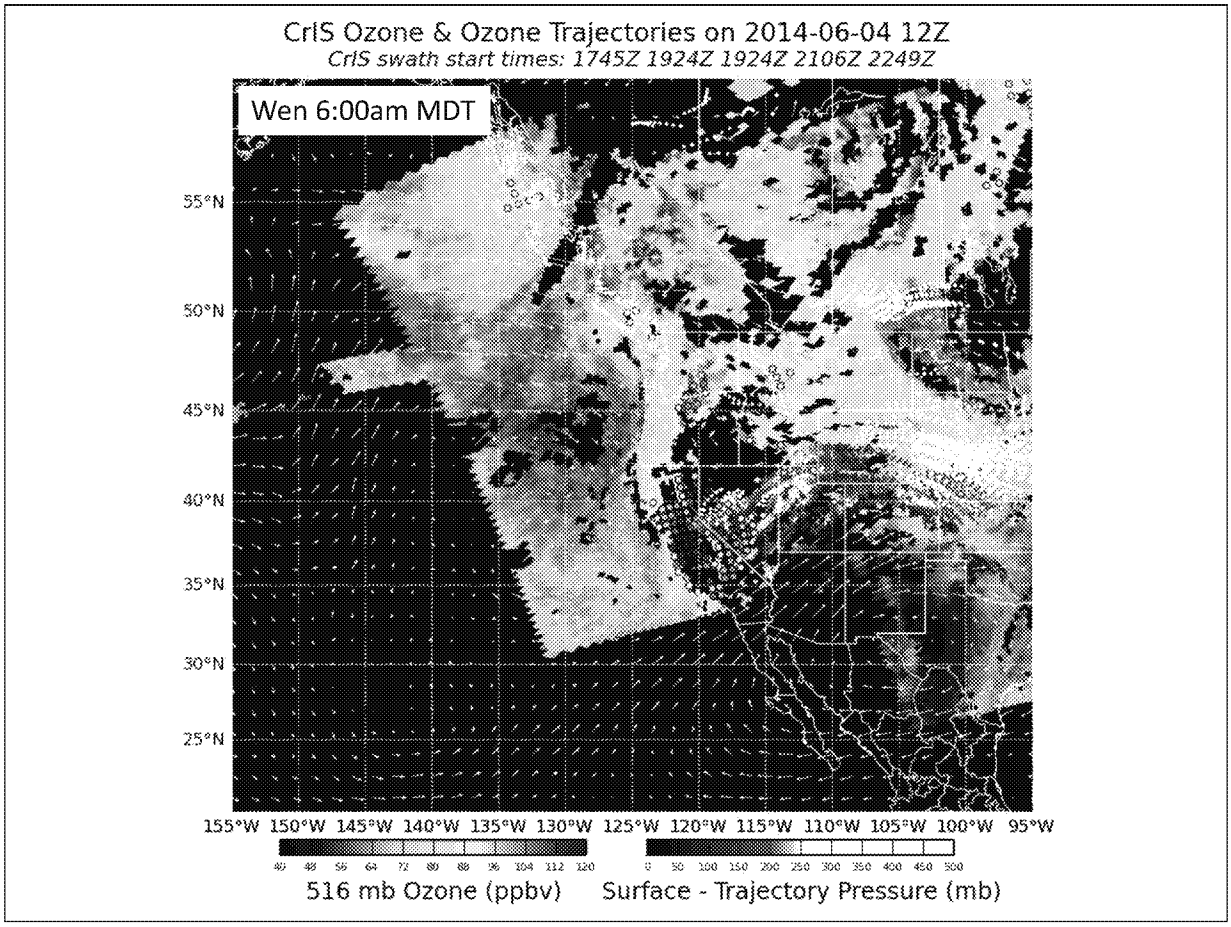
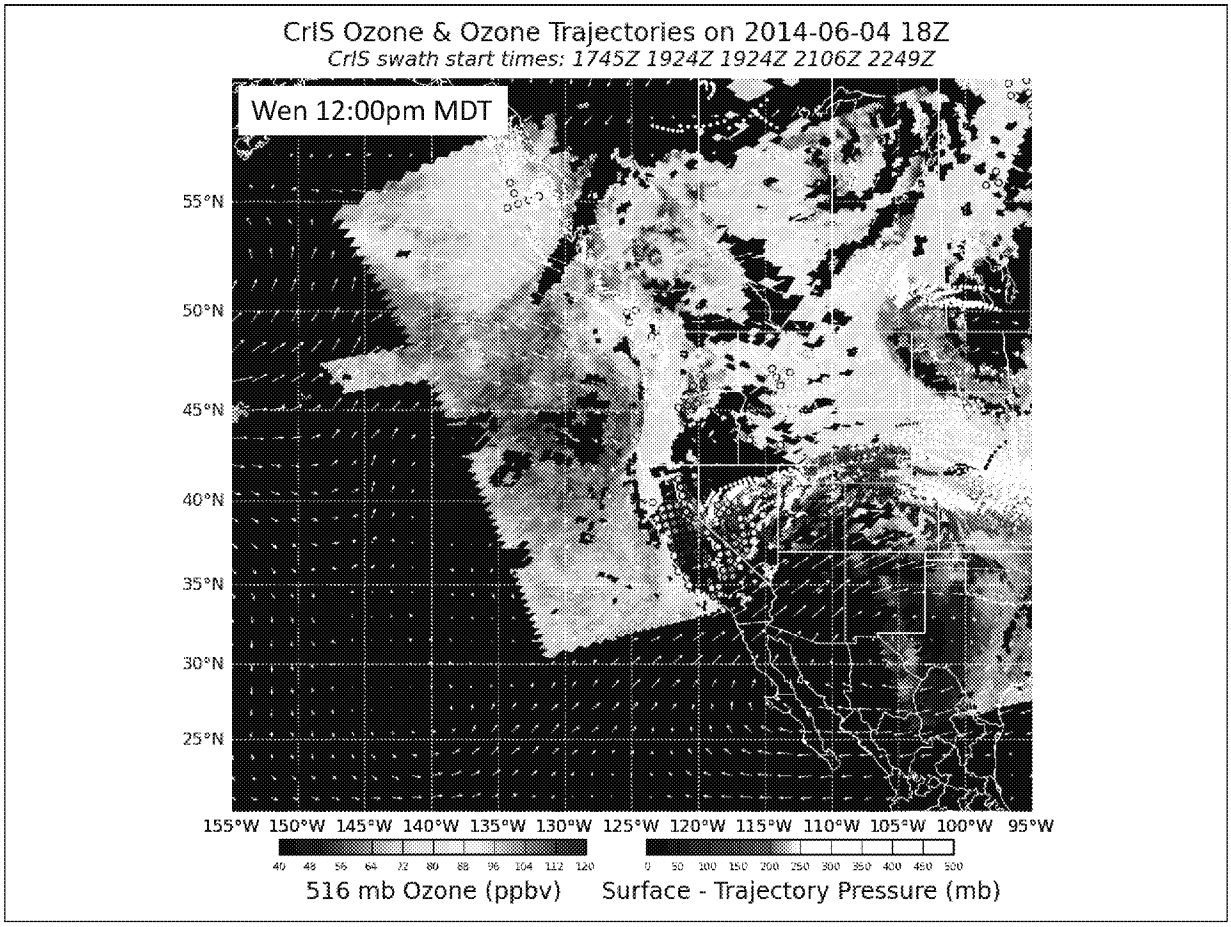
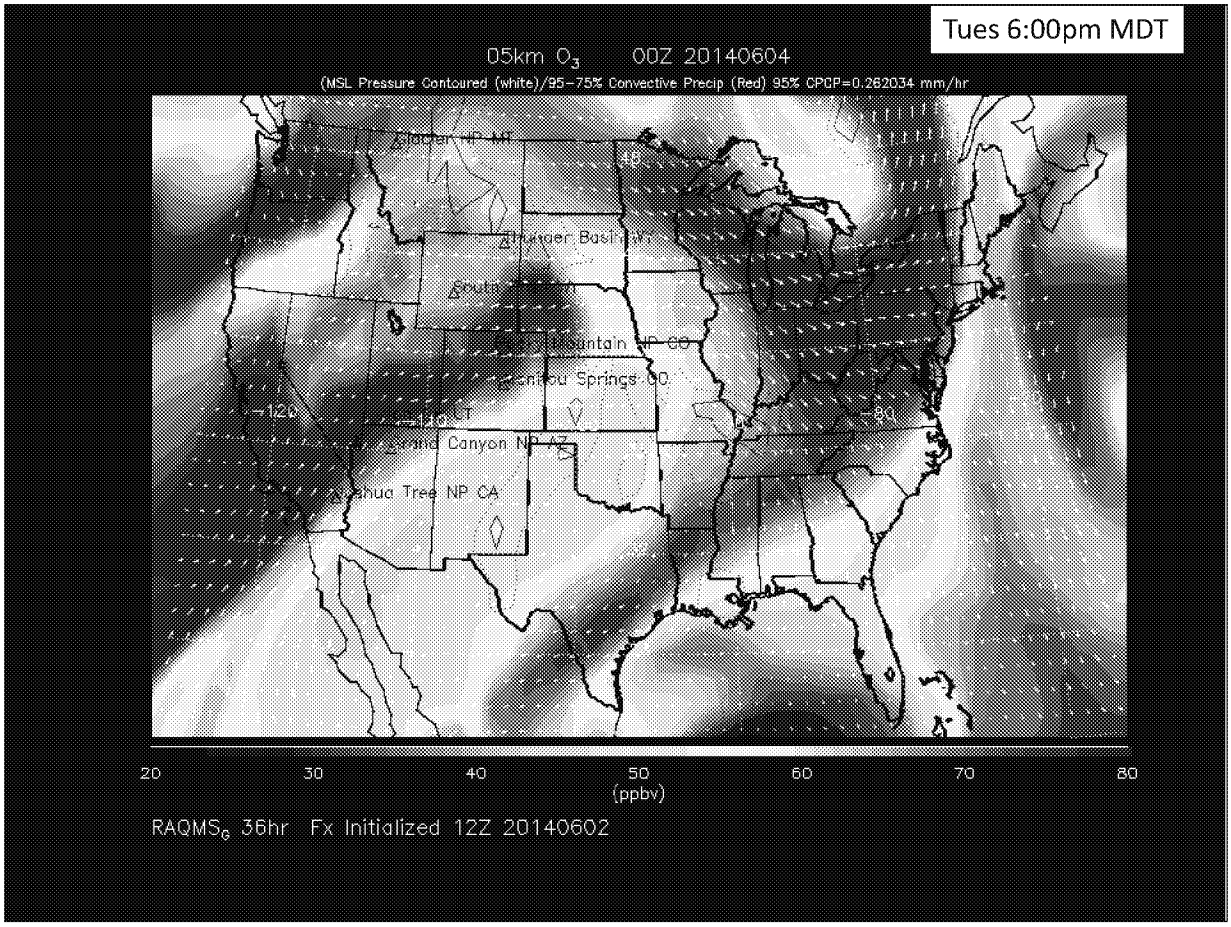

CrIS Ozone & Ozone Trajectories on 2014-06-02 20Z
CrIS swath start times: 1745Z 1924Z 1924Z 2106Z 2249Z
CrIS Ascending (Daytime) retrievals show significantly more O3 than Descending (Nighttime) retrievals at 516mb
55°N
50°N
45°N
40°N
35°N
30°N
25°N
155°W 150°W 145°W 140°W 135°W 130°W 125°W 120°W 115°W 110°W 105°W 100°W 95°W
40 48 56 64 72 80 88 96 104 112 120
0 50 100 150 200 250 300 350 400 450 500
516 mb Ozone (ppbv)
Surface - Trajectory Pressure (mb)

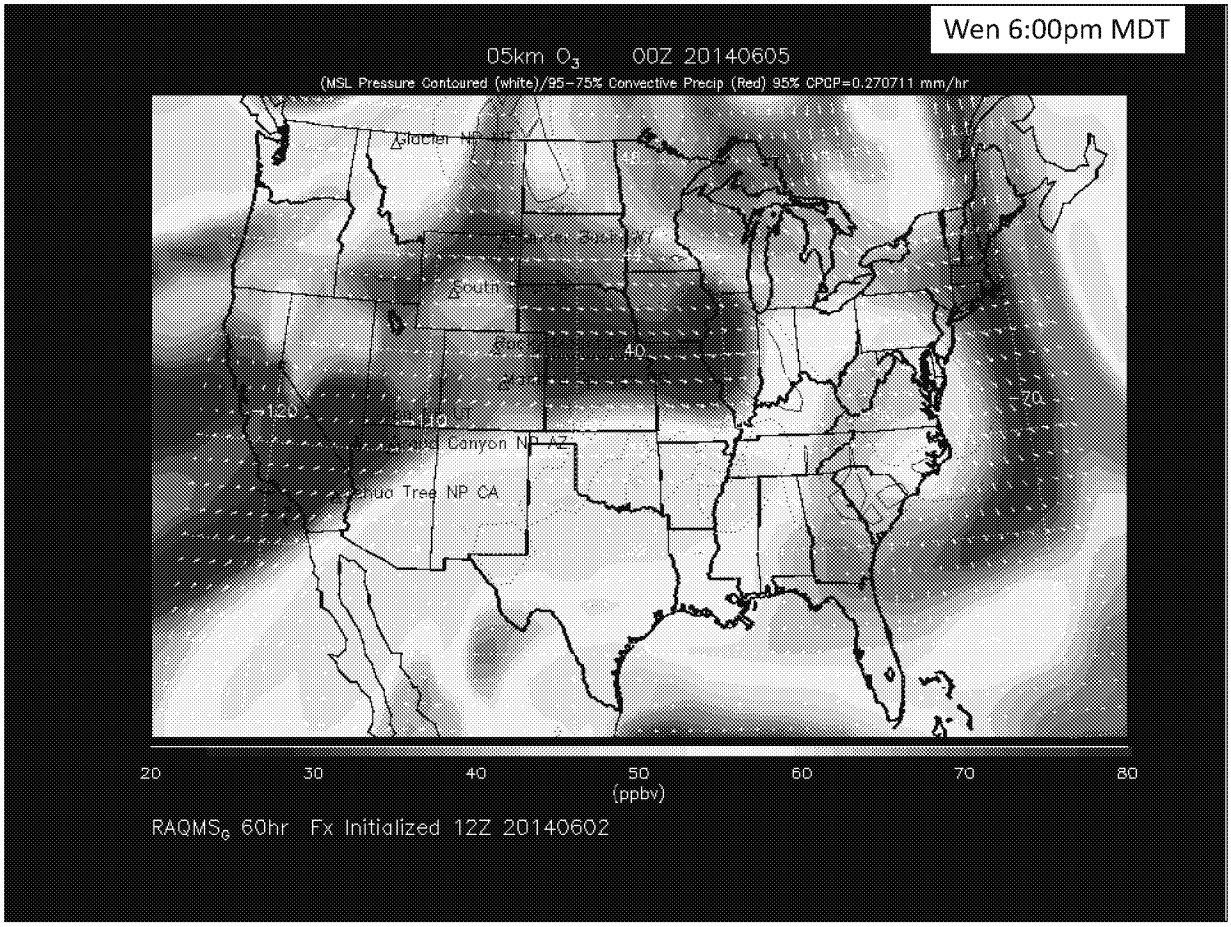

CrIS Ozone & Ozone Trajectories on 2014-06-04 00Z
CrIS swath start times: 1745Z 1924Z 1924Z 2106Z 2249Z
Tuesday 6:00pm MDT
55°N
50°N
45°N
40°N
35°N
30°N
25°N
155°W 150°W 145°W 140°W 135°W 130°W 125°W 120°W 115°W 110°W 105°W 100°W 95°W
40 48 56 64 72 80 88 96 104 112 120
0 50 100 150 200 250 300 350 400 450 500
516 mb Ozone (ppbv)
Surface - Trajectory Pressure (mb)

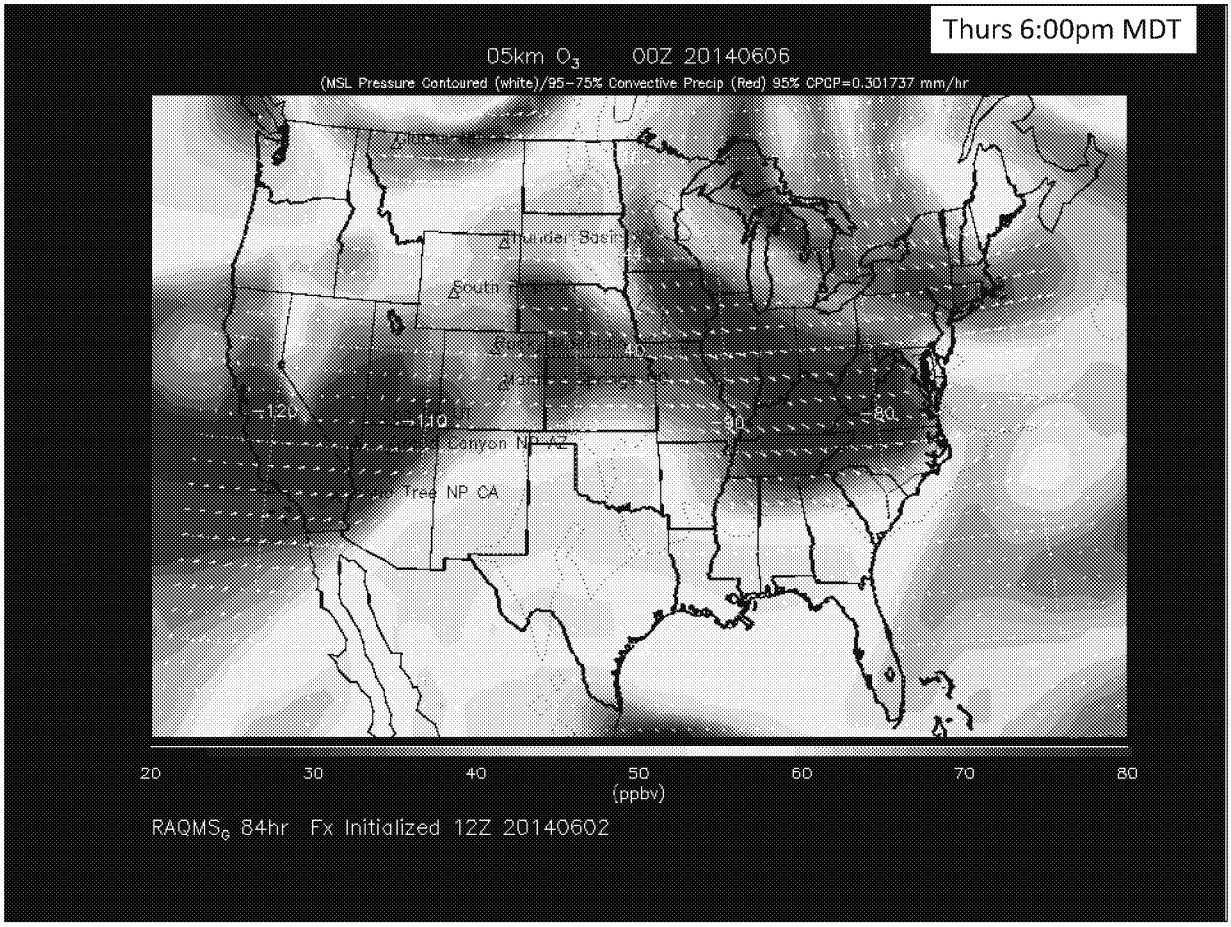

CrIS Ozone & Ozone Trajectories on 2014-06-04 06Z
CrIS swath start times: 1745Z 1924Z 1924Z 2106Z 2249Z
Tuesday 12:00pm MDT
55°N
50°N
45°N
40°N
35°N
30°N
25°N
155°W 150°W 145°W 140°W 135°W 130°W 125°W 120°W 115°W 110°W 105°W 100°W 95°W
40 48 56 64 72 80 88 96 104 112 120
0 50 100 150 200 250 300 350 400 450 500
516 mb Ozone (ppbv)
Surface - Trajectory Pressure (mb)

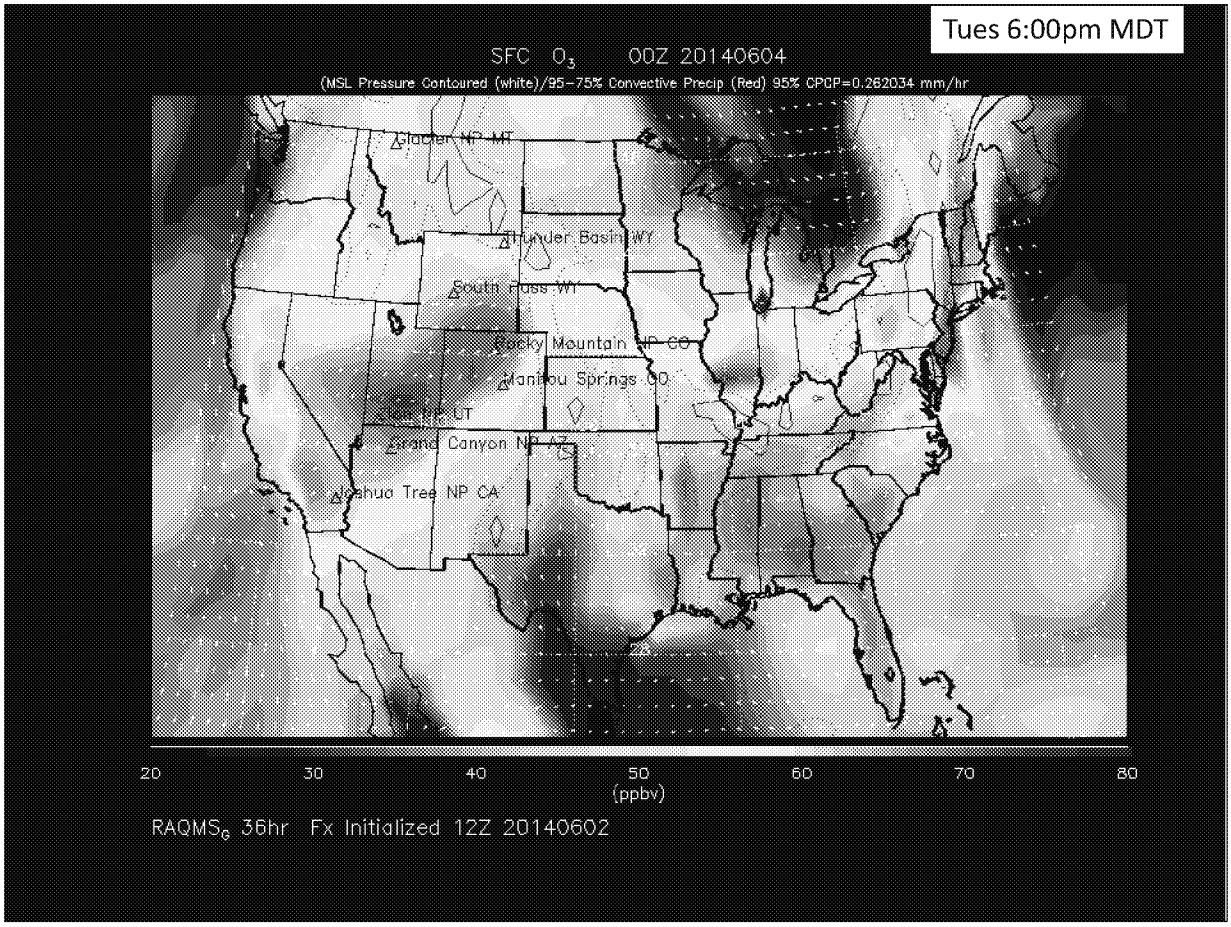

CrIS Ozone & Ozone Trajectories on 2014-06-04 12Z
CrIS swath start times: 1745Z 1924Z 1924Z 2106Z 2249Z
Wen 6:00am MDT
55°N
50°N
45°N
40°N
35°N
30°N
25°N
155°W 150°W 145°W 140°W 135°W 130°W 125°W 120°W 115°W 110°W 105°W 100°W 95°W
40 48 56 64 72 80 88 96 104 112 120
0 50 100 150 200 250 300 350 400 450 500
516 mb Ozone (ppbv)
Surface - Trajectory Pressure (mb)

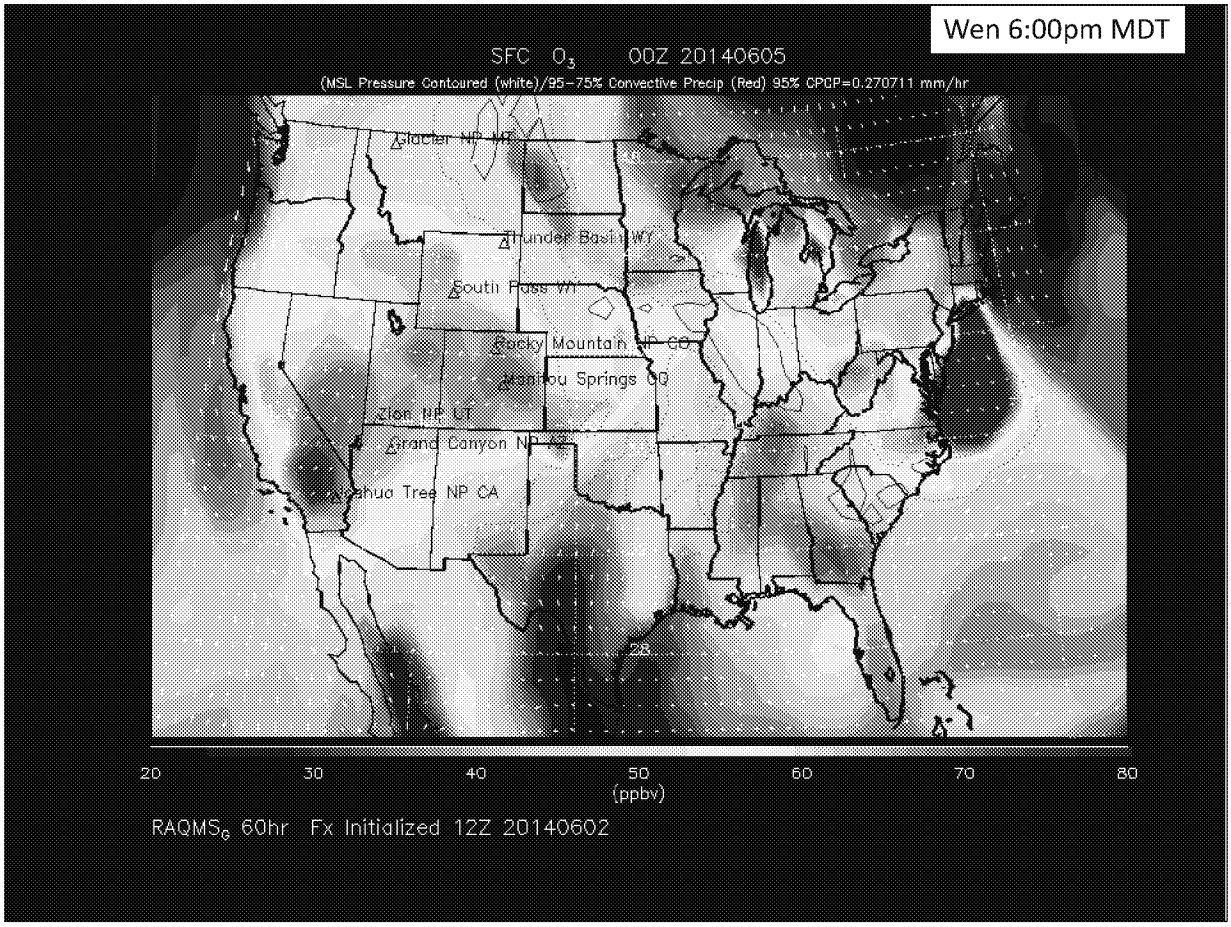

CrIS Ozone & Ozone Trajectories on 2014-06-04 18Z
CrIS swath start times: 1745Z 1924Z 1924Z 2106Z 2249Z
Wen 12:00pm MDT
55°N
50°N
45°N
40°N
35°N
30°N
25°N
155°W 150°W 145°W 140°W 135°W 130°W 125°W 120°W 115°W 110°W 105°W 100°W 95°W
40 48 56 64 72 80 88 96 104 112 120
0 50 100 150 200 250 300 350 400 450 500
516 mb Ozone (ppbv)
Surface - Trajectory Pressure (mb)

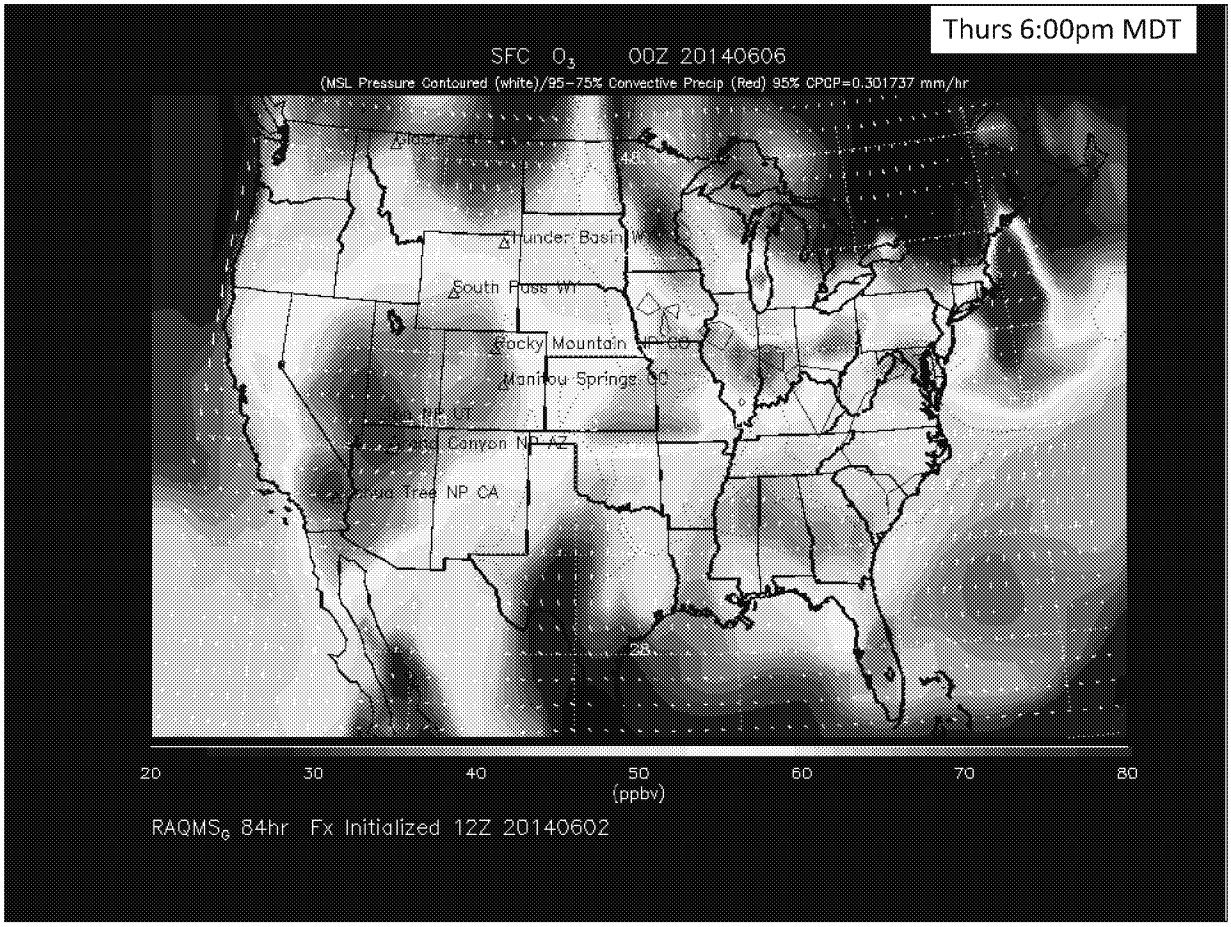

Tues 6:00pm MDT
05km O_3 00Z 20140604
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.262034 mm/hr
Glacier NP MT
Thunder Basin WY
Rocky Mountain NP CO
Gunnison Springs CO
Mesa CT
Grand Canyon NP AZ
Joshua Tree NP CA
-120
-90
20
30
40
50
60
70
80
(ppbv)
RAQMS$_6$ 36hr Fx Initialized 12Z 20140602


Wen 6:00pm MDT
05km O_3 00Z 20140605
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.270711 mm/hr
Glacier NP MT
Canyon NP AZ
Tree NP CA
20
30
40
50
60
70
80
(ppbv)
RAQMS$_6$ 60hr Fx Initialized 12Z 20140602

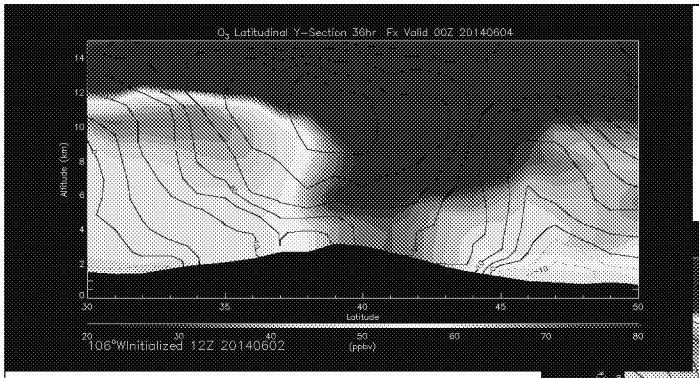

Thurs 6:00pm MDT
05km O_3 00Z 20140606
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.301737 mm/hr
Thunder Basin
South
-120
-110
-90
-80
Canyon NP AZ
Tree NP CA
20
30
40
50
60
70
80
(ppbv)
RAQMS$_6$ 84hr Fx Initialized 12Z 20140602

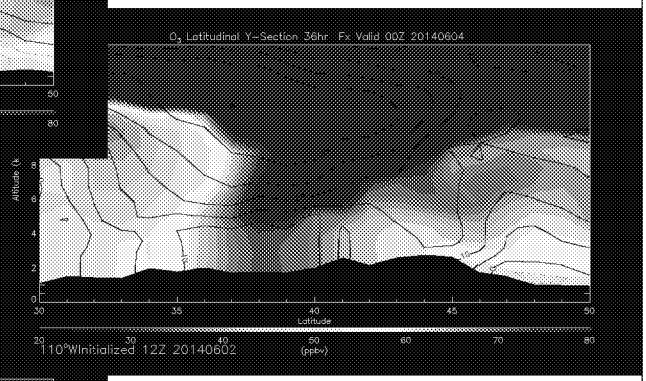

Tues 6:00pm MDT
SFC O3 00Z 20140604
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.262034 mm/hr
Glacier NP MT
Thunder Basin WY
South Pass WY
Rocky Mountain NP CO
Manitou Springs CO
Grand Canyon NP AZ
Joshua Tree NP CA
20
30
40
50
60
70
80
(ppbv)
RAQMS6 36hr Fx Initialized 12Z 20140602

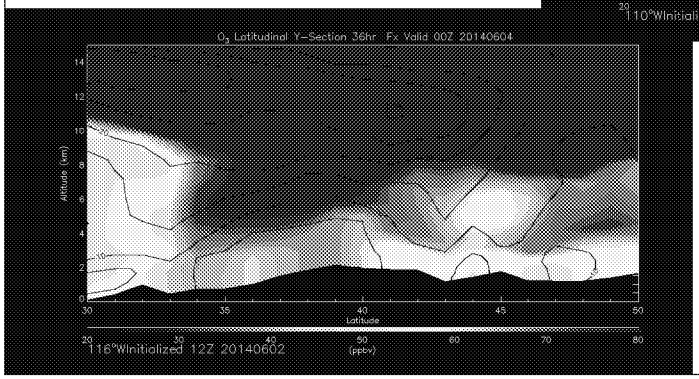

Wen 6:00pm MDT
SFC O3 00Z 20140605
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.270711 mm/hr
Glacier NP MT
Thunder Basin WY
South Pass WY
Rocky Mountain NP CO
Manitou Springs CO
Zion NP UT
Grand Canyon NP AZ
Joshua Tree NP CA
20
30
40
50
60
70
80
(ppbv)
RAQMS6 60hr Fx Initialized 12Z 20140602


Thurs 6:00pm MDT
SFC O3 00Z 20140606
(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.301737 mm/hr
Thunder Basin WI
South Pass WI
Rocky Mountain NP CO
Manitou Springs CO
Canyon NP AZ
Joshua Tree NP CA
20
30
40
50
60
70
80
(ppbv)
RAQMS6 84hr Fx Initialized 12Z 20140602

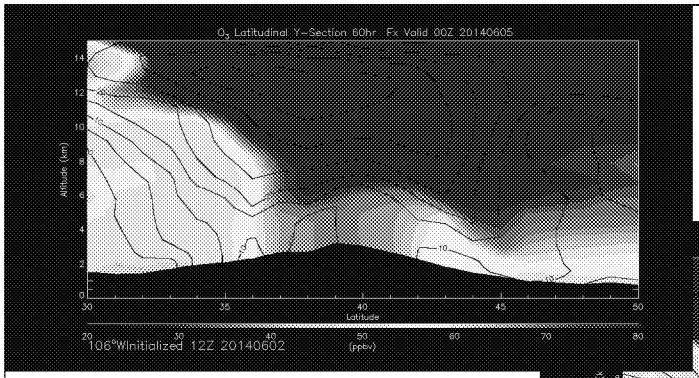
Tues 6:00pm MDT

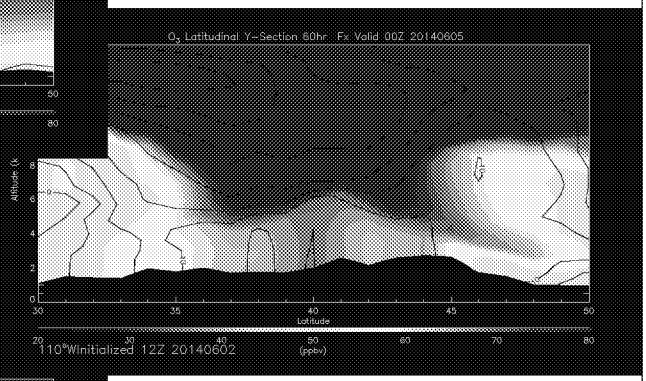


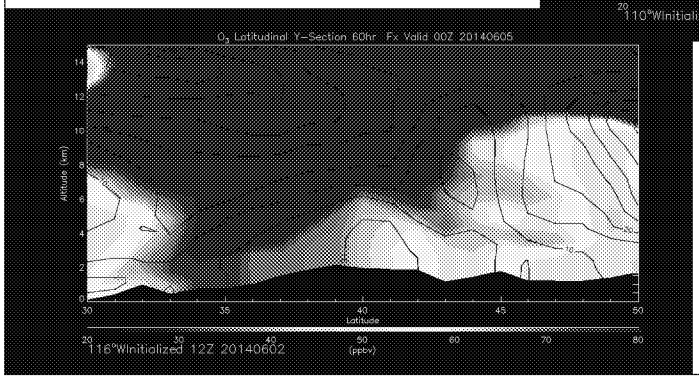
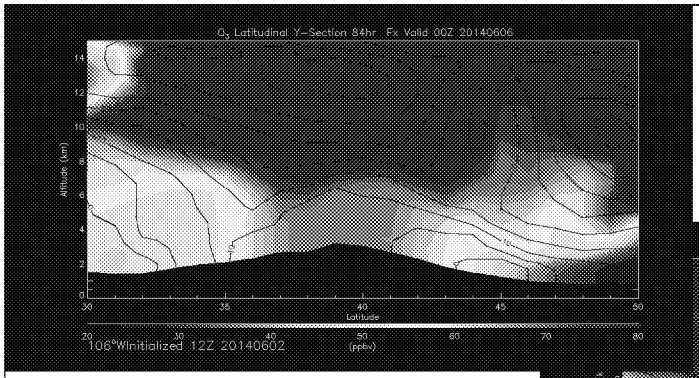
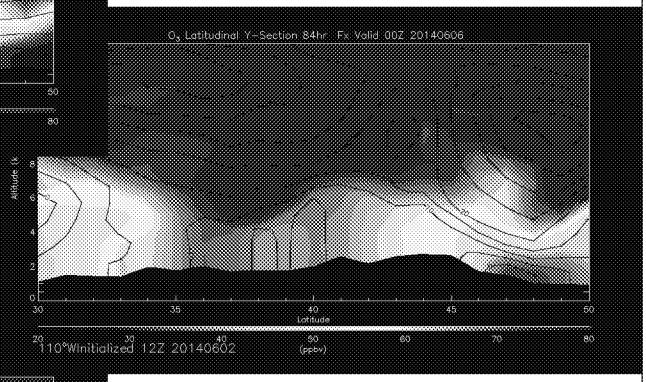
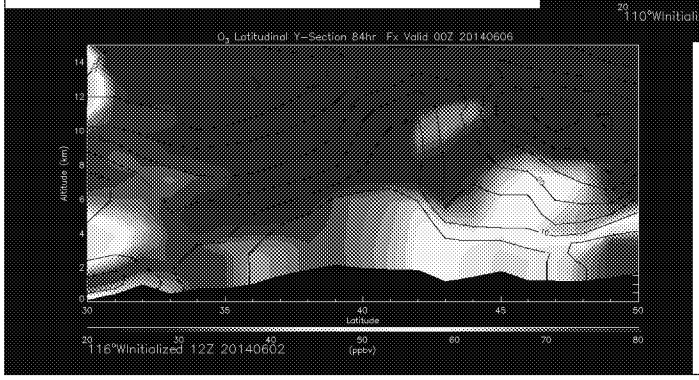




Wen 6:00pm MDT







Thurs 6:00pm MDT