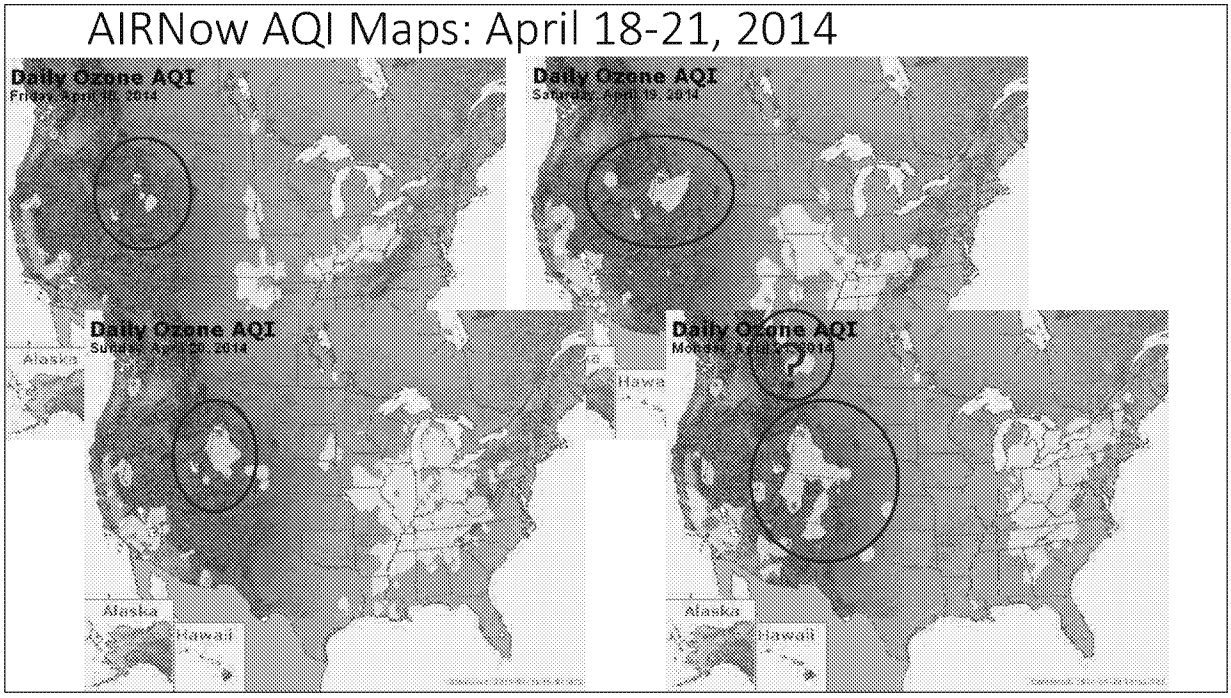
2014 Potential Stratospheric Intrusion Events

Richard Payton
EPA Region 8

Two Candidate Events have Been Identified

- April 18-21, 2014, Upper Green River Basin Nonattainment Area, Wyoming
- June 1, 2014, Las Vegas (with downwind impacts June 2 & 3)

AIRNow AQI Maps: April 18-21, 2014

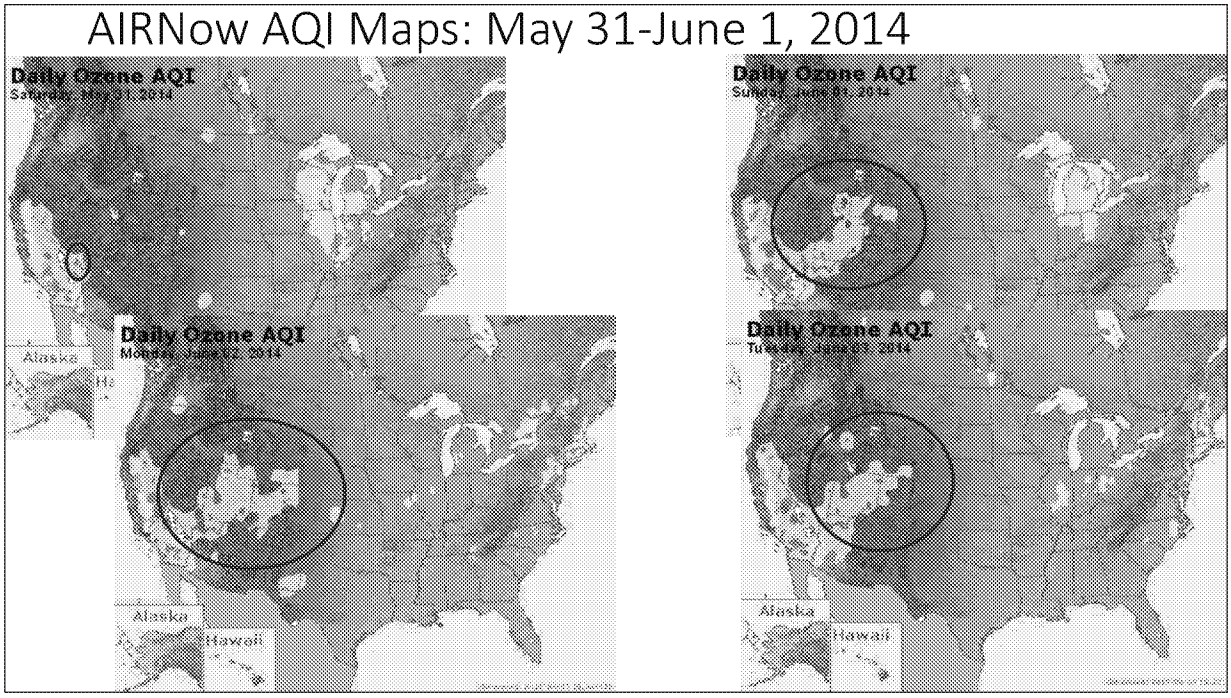


Sites with Max 8-hour ozone for 2014 April 18-21

Wyoming	Alberta	South Dakota
Pinedale CASTNET (Upper Green River NAA)	Medicine Hat	Sioux Falls (Smoke?)
Wamsutter	Lethbridge	
Grand Teton NP	Caroline	
Yellowstone NP	Steeper	

Numerous Sites have 2, 3 or 4 of the top 4 for the year in this period

AIRNow AQI Maps: May 31-June 1, 2014



Sites with Max 8-hour ozone for 2014 June 1-3

Utah	Wyoming	Colorado
Hurricane	Big Piney (Upper Green NAA)	Rocky Mountain NP
Zion NP	Juel Spring (Upper Green NAA)	Lay Peak (NW CO)
Ogden	Moxa	Rangely (Uinta Basin)
Harrisville (Ogden)	Cheyenne	

Several Sites have 2 or 3 of their top 4 for the year in this period