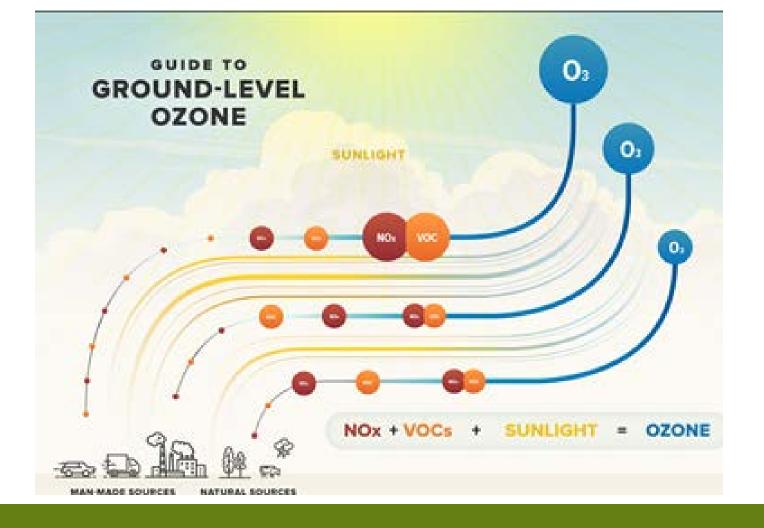
OZONE HEALTH ALERTS 2019

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PRESENTED AUGUST 14, 2019 ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD



OZONE HEALTH ALERTS 2019

TWO OZONE HEALTH ALERTS ISSUED JULY 27 AND JULY 30, 2019

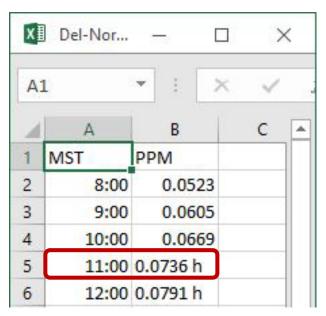
- For each event:
 - 1. First Sign(s)
 - 2. Current conditions: What is going on?
 - 3. Make determination: Do we need to issue an alert?
 - 4. Post Event Analysis: What happened?
- Conclusion: Was it the right decision?

OZONE HEALTH ALERT

ISSUED JULY 27, 2019

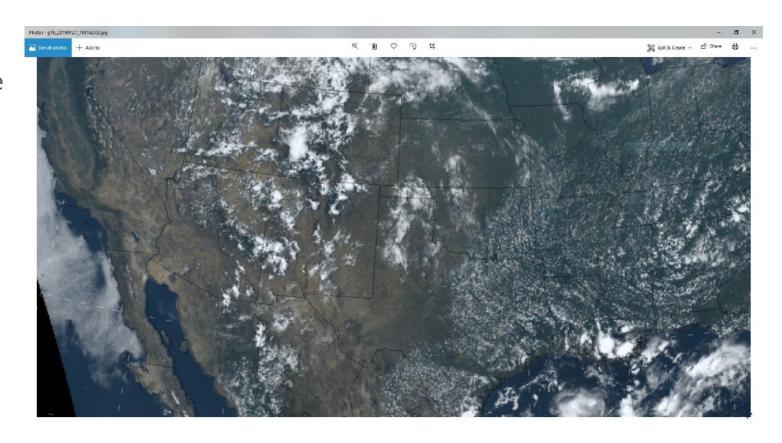
1. First Sign:

- Weekend Alert
- Received Notification from Del Norte Monitoring Station.
- At 1100, readings show a concentration of 73.6 ppb
- That is a concern



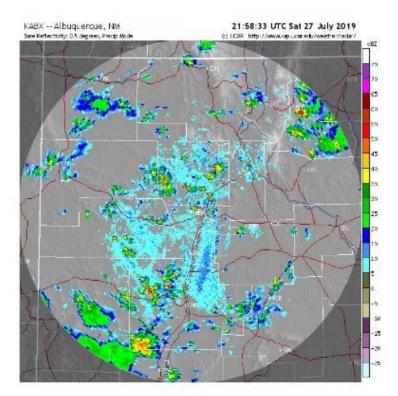
2. Current conditions

- Looked at the Satellite Image
- Satellite Image at 1:30 pm



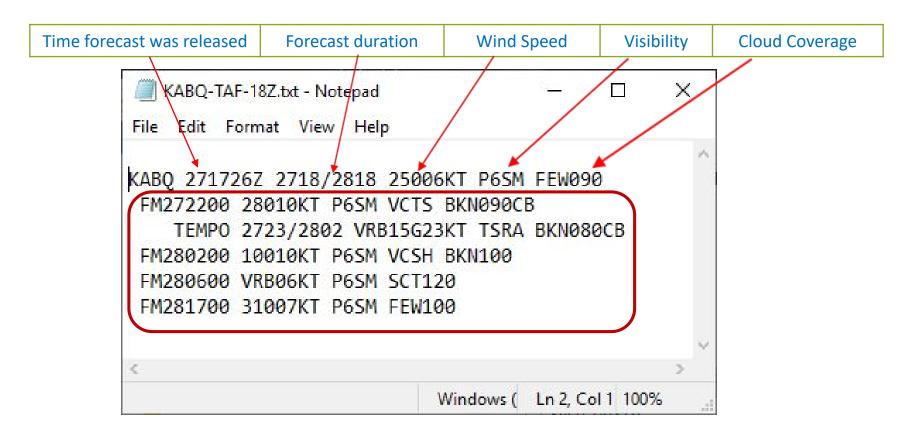
2. Current Conditions

- Looked at Radar Image
- Satellite Image at 1:30 pm



2. Current conditions

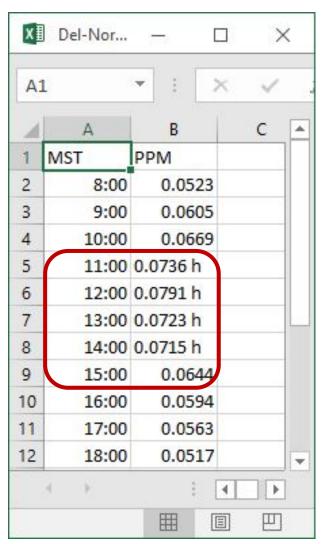
Check the NWS terminal forecast



3. Make a determination

Issued a Health Alert

- Ozone levels dropped
- Analysis of what happened

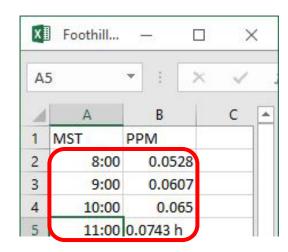


OZONE HEALTH ALERT

ISSUED JULY 30, 2019

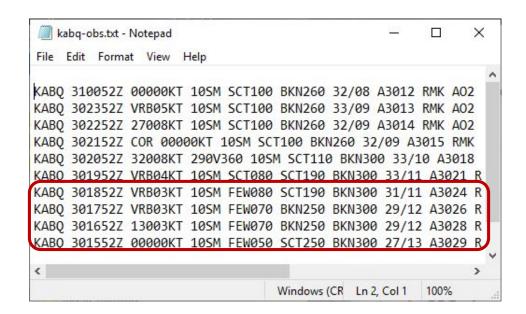
1. First Signs

- Weekday
- Looked at reading from the monitoring stations
- Ozone Concentrations at 1100 hrs were 74.3 ppb at the Foothills monitoring station



2. Looked at current conditions

Check KABQ Observations

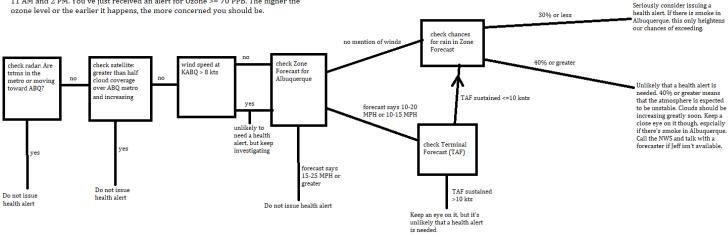


3. Make a determination

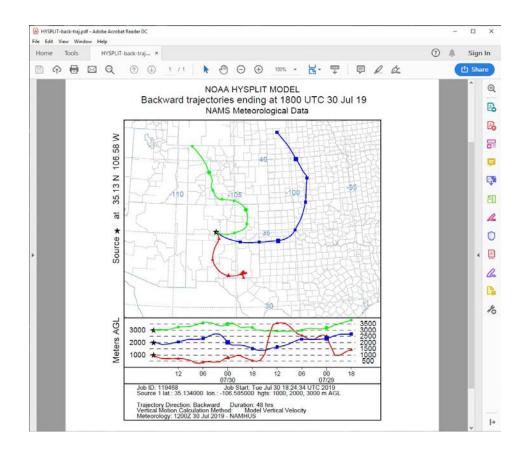
Issued a Health Alert

Albuquerque Ozone Health Alert Decision Tree for June, July, and August

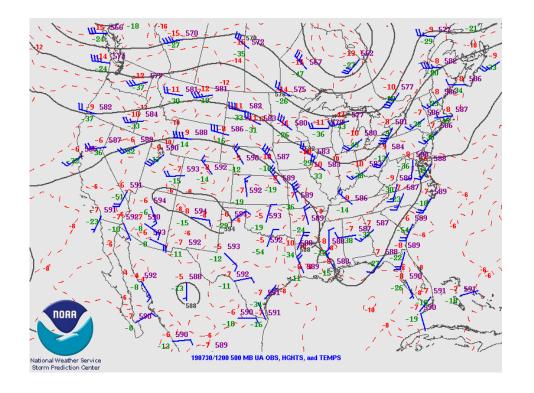
This decision tree is meant to be guidance for the following situation: It's between 11 AM and 2 PM. You've just received an alert for Ozone >= 70 PPB. The higher the ozone level or the earlier it happens, the more concerned you should be.



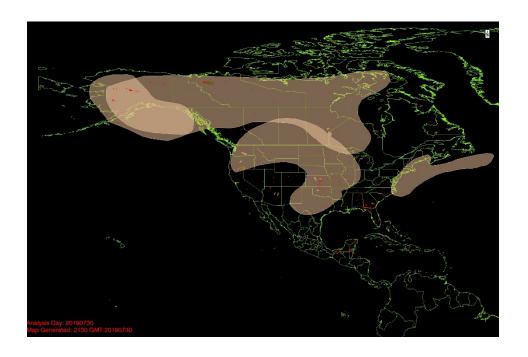
- Looked at the HYSPLIT back trajectory
- Determine origin of the air



- Looked at the H5 Chart (500 mb)
- Looking at the large scale weather pattern



- Looked at HMS Smoke Analysis
- The ozone formed in the smoke to our East and moved into Albuquerque



CONCLUSION

OZONE HEALTH ALERT ISSUED JULY 27, 2019

- Right call
- All signs indicated that we were going to have high concentrations of ozone
- Concentrations of Ozone dropped around 2-ish pm and at 4pm

OZONE HEALTH ALERT ISSUED JULY 30, 2019.

- Right call
- We did experience high concentrations of ozone
- Ozone was brought to the area as a result of weather conditions

QUESTIONS?