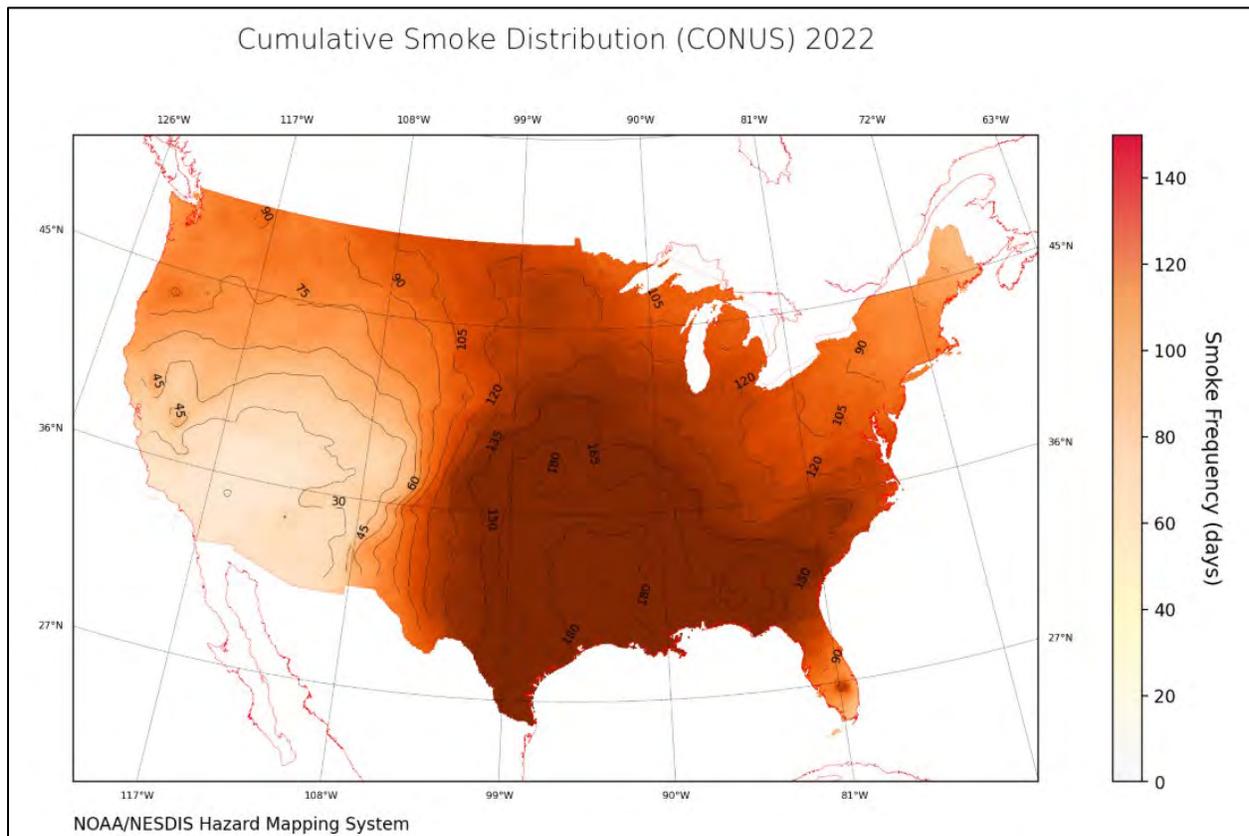


2022

Smoke was prevalent throughout Indiana and the central United States in 2022. The majority of smoke for the year occurred in areas upwind of Indiana. These fires were due mainly from agricultural burning in southeastern and south-central U.S. states and wildfires in New Mexico, Arizona and Canada as well as firework smoke that impacted PM_{2.5} concentrations throughout the state. The Office of Satellite and Products Operations of NASA provided the 2022 Cumulative Smoke Distribution chart.



Major 2022 Wildfires/Incidents:

Cottonwood Complex Fire-Kansas

Chipola Complex Fire- Florida

Calf Canyon/Hermits Peak Fire – New Mexico

Tunnel Fire – Arizona

Manitoba/Alberta Multiple fires - Canada

Independence Day Fireworks

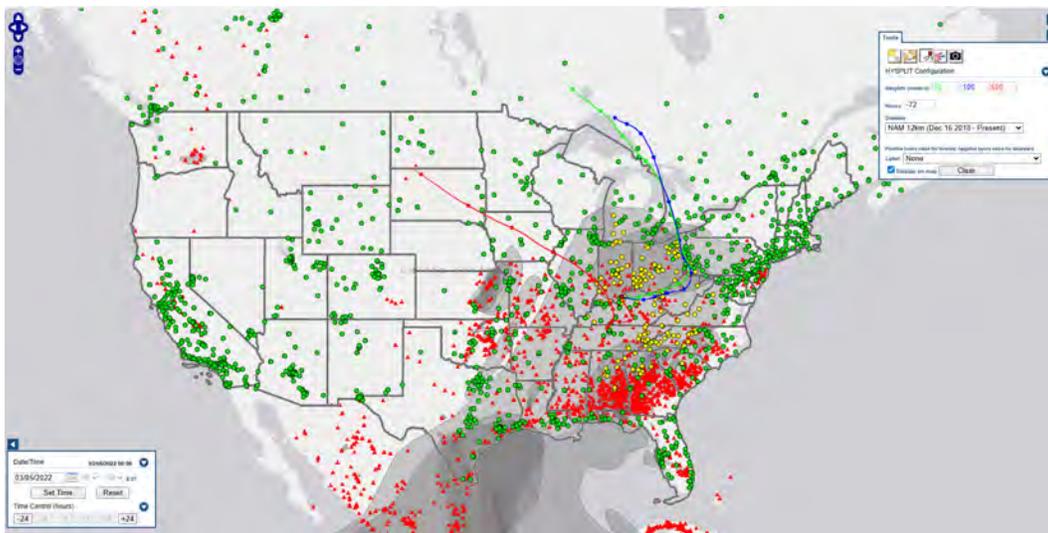
Daily wildfire and firework smoke impacts for 2022

March 5, 2022

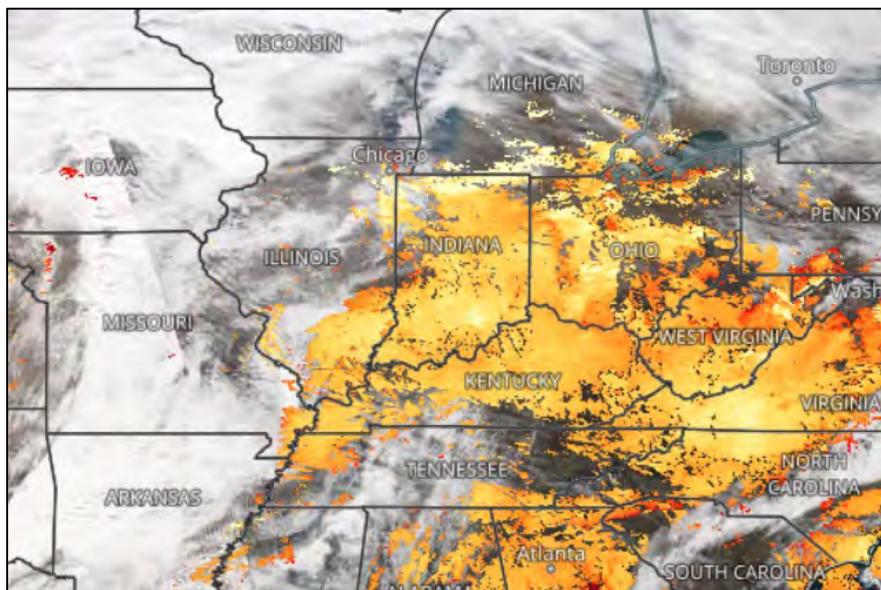
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Jeffersonville - Bates-Bowyer Ave	180190010	3/5/2022	19.3	17.0

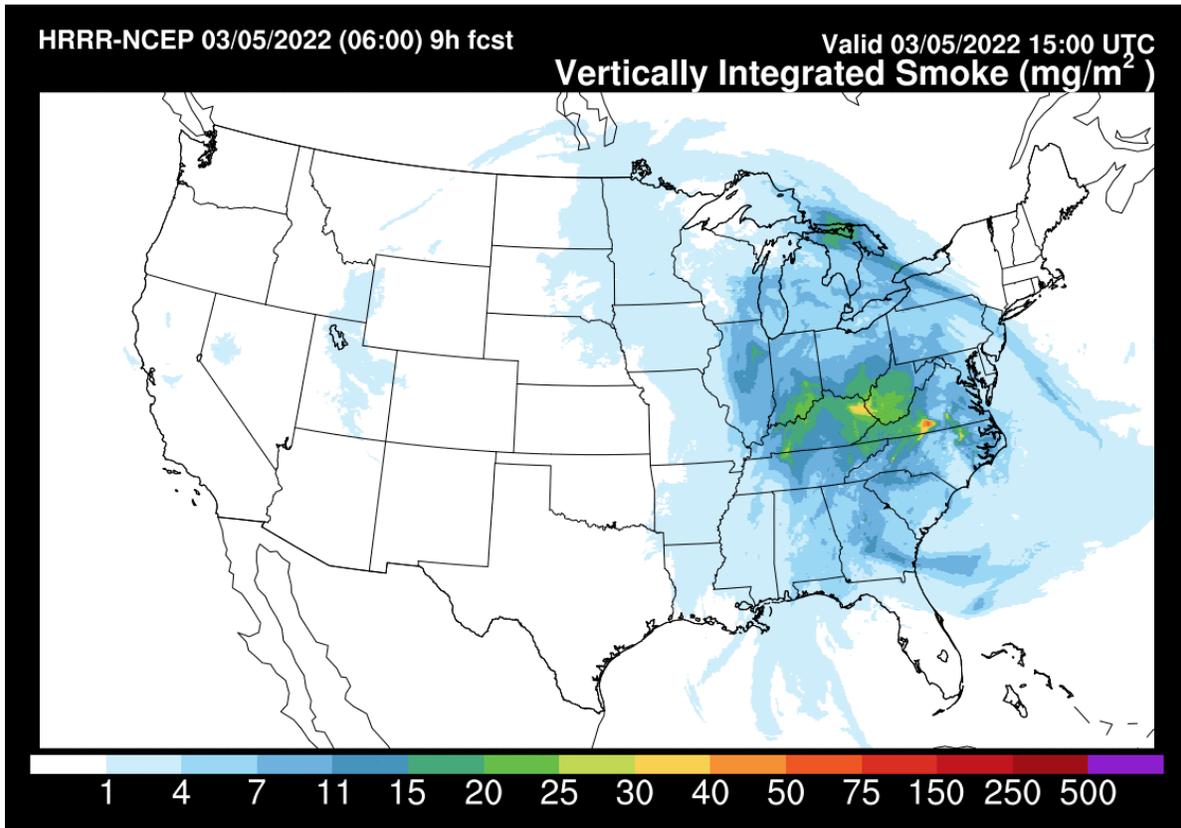
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - March 5, 2022



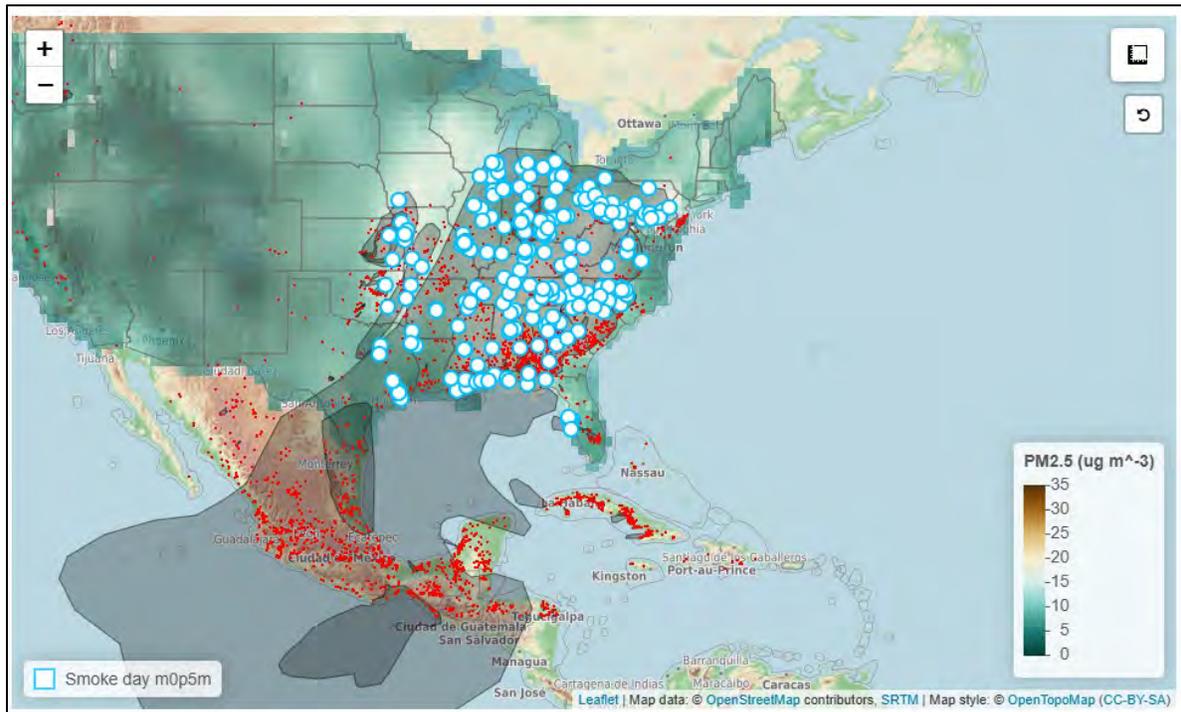
Satellite Imagery with MAIAC AOD - March 5, 2022



HRRR Smoke - Vertically Integrated Smoke - March 5, 2022



GAM PMO3 Smoke Output - March 5, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts

Saturday, March 5, 2022

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH
1700Z March 5, 2022

SMOKE:

Area from the South Central and Southeastern U.S. to the Great Lakes Region and the Mid-Atlantic Region...

A broad area of remnant thin density smoke associated with recent widespread and significant seasonal primarily fire activity in the south central and southeastern U.S. was visible this morning across the area extending from the south central and southeastern U.S. to the north and northeast to at least as far to the north as southern Wisconsin and southern Michigan and as far to the northeast as northern Virginia. An embedded smaller patch of moderate density leftover smoke was seen moving quickly to the northeast over the area from southern Indiana to northwestern Ohio. Cloud cover around portions of the periphery of the smoke area prevented determination on whether any smoke is present farther beyond this smoke area. Across the southern part of the smoke area, smoke and aerosol from Mexico is likely mixing in with the smoke from the seasonal fire activity in the south central and southeastern U.S. In the southwestern part of the area, blowing dust is likely mixing in as well over the eastern portions of Texas, Oklahoma, and Kansas.

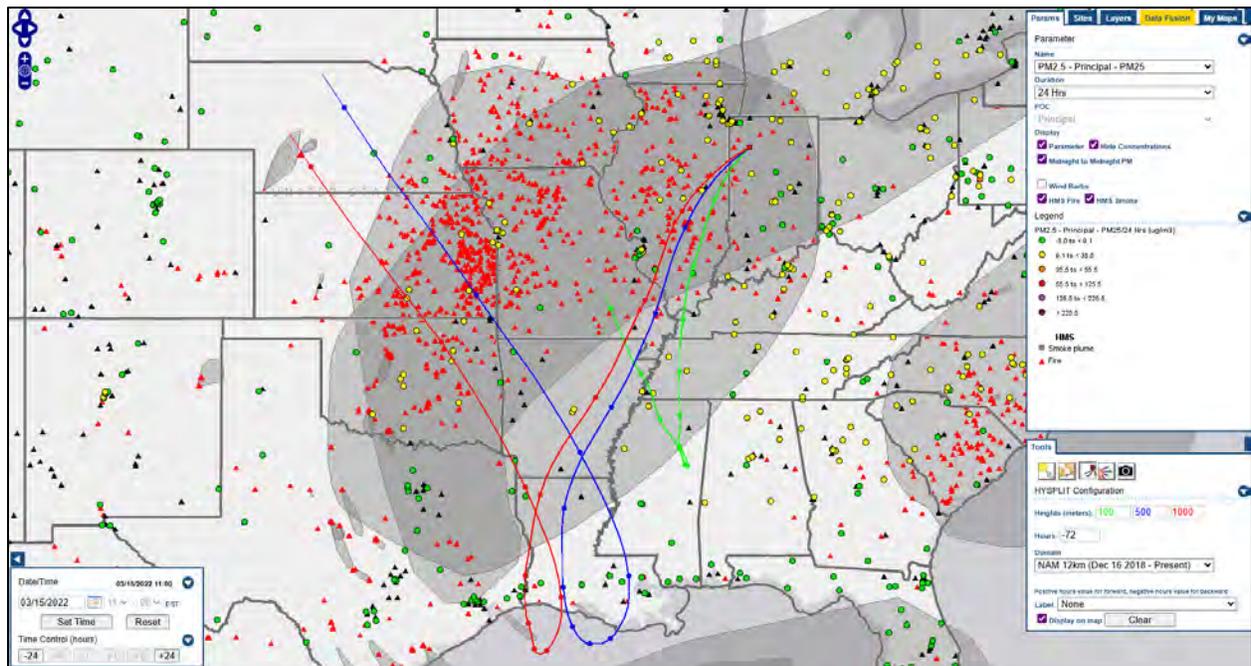
JS

March 15, 2022

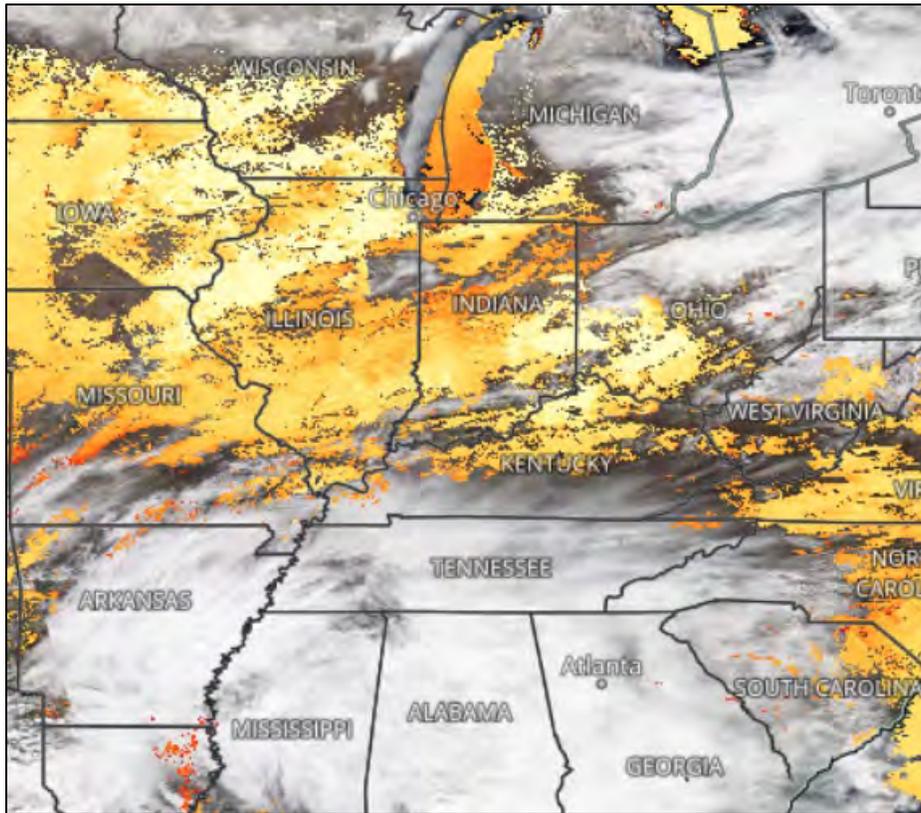
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
East Chicago - Franklin/Washington Sch	180890006	3/15/2022	17.7	16.1
Gary - Madison St	180890031	3/15/2022	18.8	16.0
Michigan City - Marsh Elem. Sch.	180910011	3/15/2022	16.3	15.9
Indianapolis - Washington Park	180970078	3/15/2022	22.3	17.8

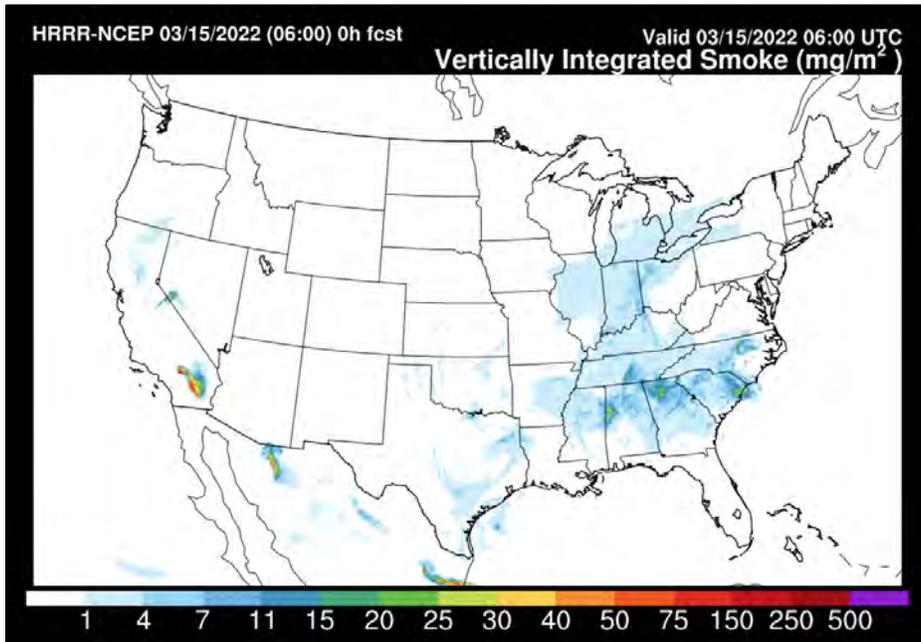
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - March 15, 2022

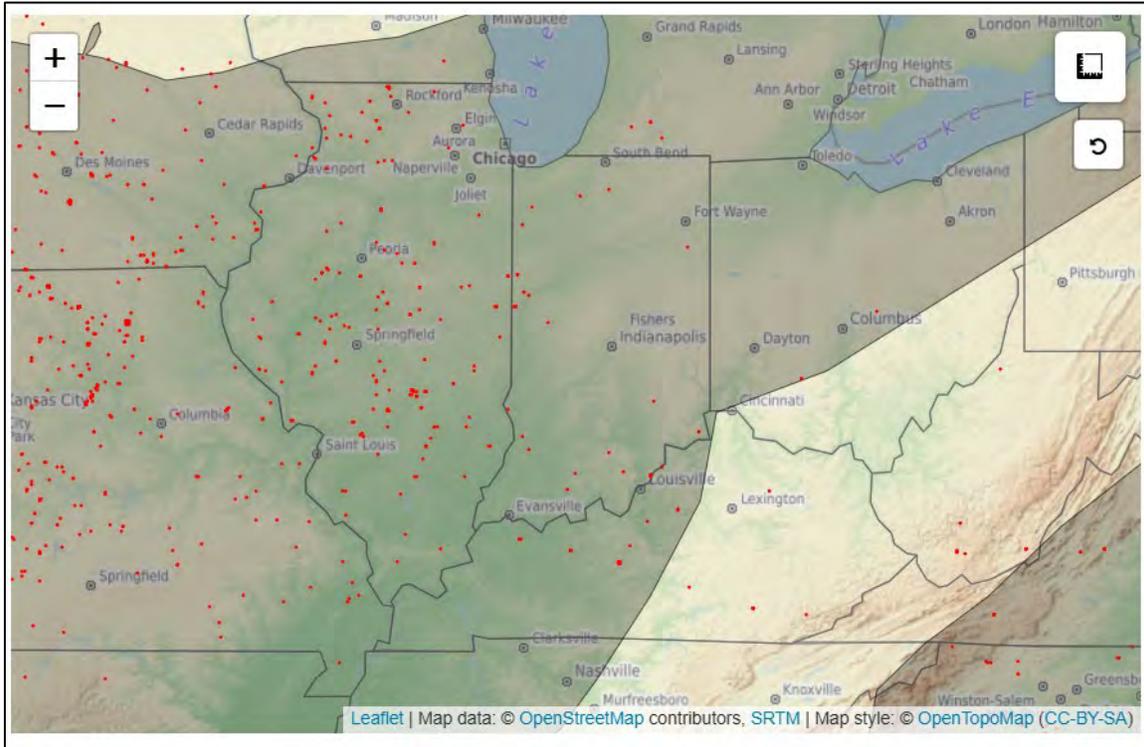


Satellite Imagery with MAIAC AOD - March 15, 2022



HRRR Smoke - Vertically Integrated Smoke - March 15, 2022



GAM PMO3 Smoke Output - March 15, 2022**NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts****Monday, March 14, 2022**

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0137Z March 15, 2022

SMOKE :

Southeastern U.S...

Widespread agricultural burning activity was observed throughout the southeastern United States. Throughout the area numerous fires blanketed the area with light density smoke that included large areas of moderate smoke and some swaths of heavy density smoke. The burning areas producing smoke starts in eastern Louisiana, continues east through the Gulf states and ends in eastern North Carolina. More smoke is likely under cloud cover west of Louisiana and over Florida.

Central U.S...

An area of light density smoke was visible through the clouds moving southeast. The source for this smoke could be from recent heavy burning in the area and some seasonal burning observed today.

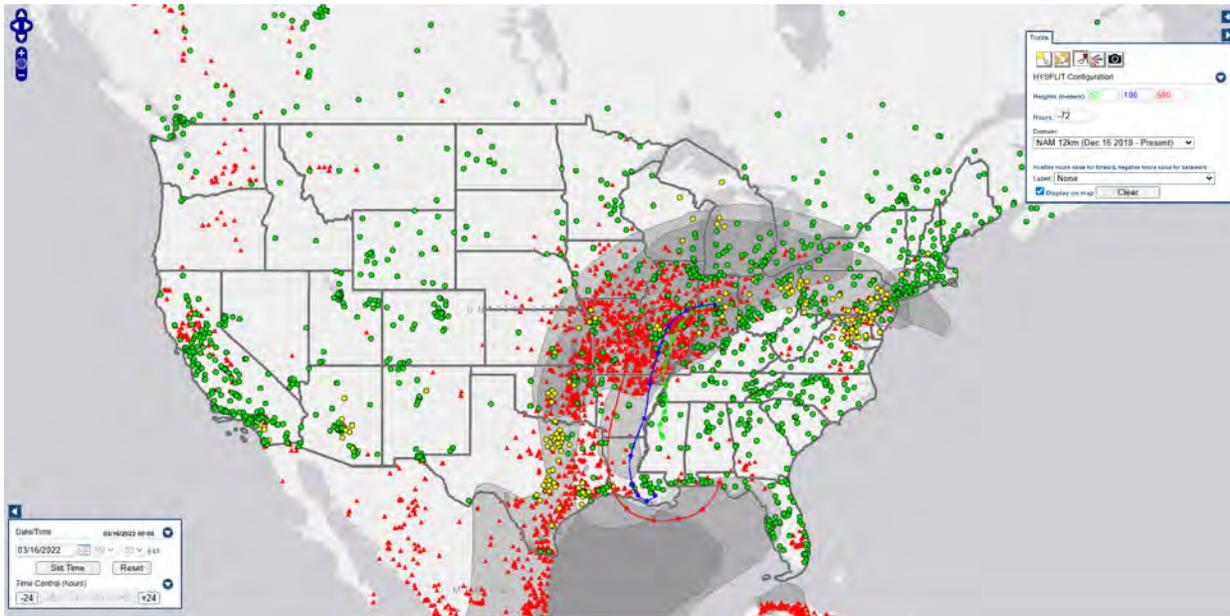
Eglin

March 16, 2022

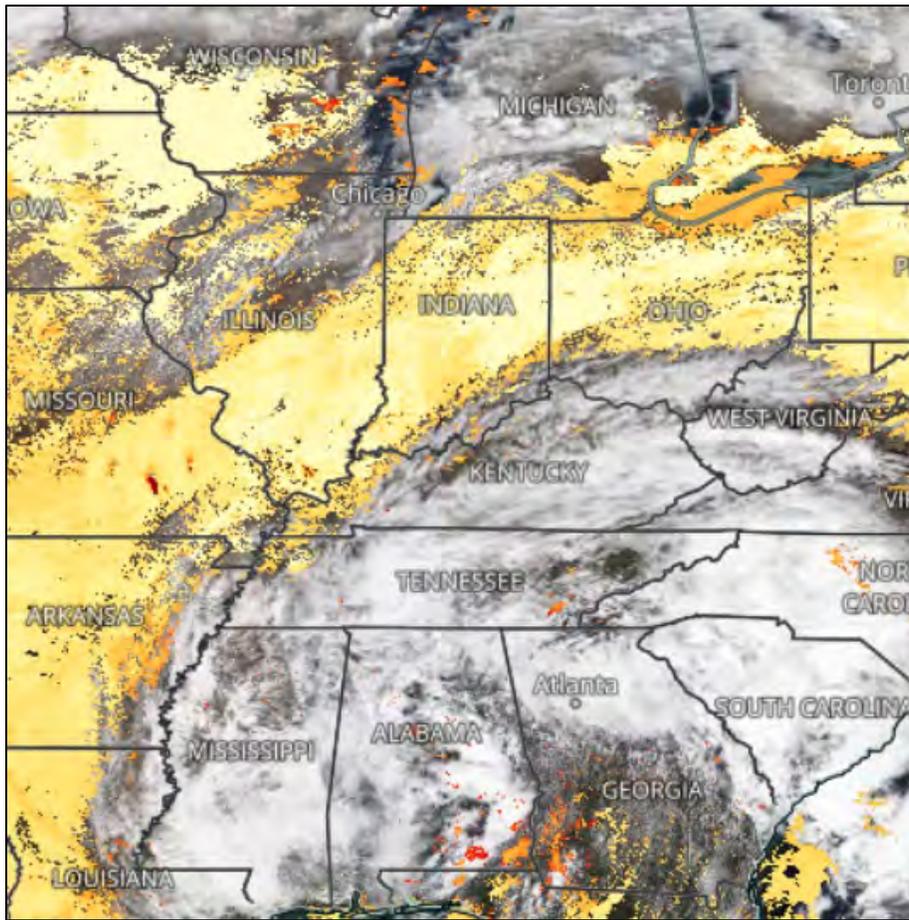
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Jeffersonville - Bates-Bowyer Ave	180190010	3/16/2022	23.0	17.0
Elkhart - Prairie St	180390008	3/16/2022	18.6	16.3
Hammond-167th St	180890036	3/16/2022	17.1	16.3
Indianapolis - Washington Park	180970078	3/16/2022	27.0	17.8
Indianapolis - W. 18th St.	180970081	3/16/2022	30.0	20.9
Indianapolis - I-70 E	180970087	3/16/2022	28.0	20.5
Ogden Dunes	181270024	3/16/2022	15.8	15.3
South Bend - Shields Dr.	181410015	3/16/2022	21.1	16.9
Terre Haute - Lafayette Ave	181670018	3/16/2022	24.3	18.8
Larwill	181830003	3/16/2022	19.1	15.0

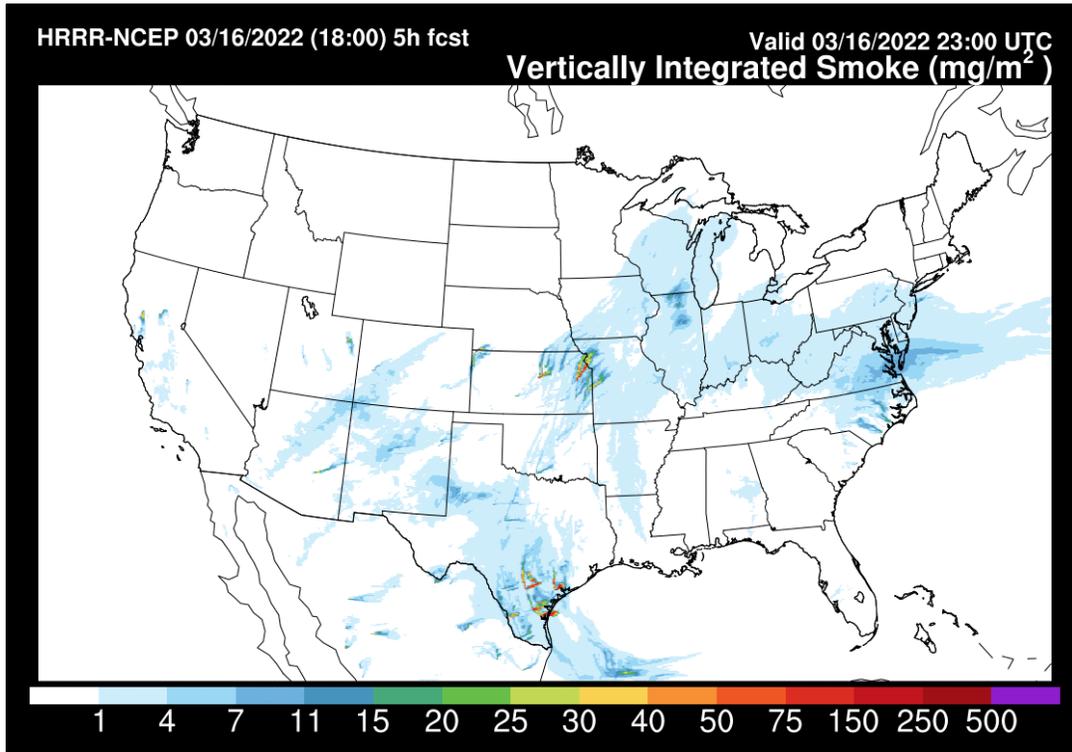
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - March 16, 2022



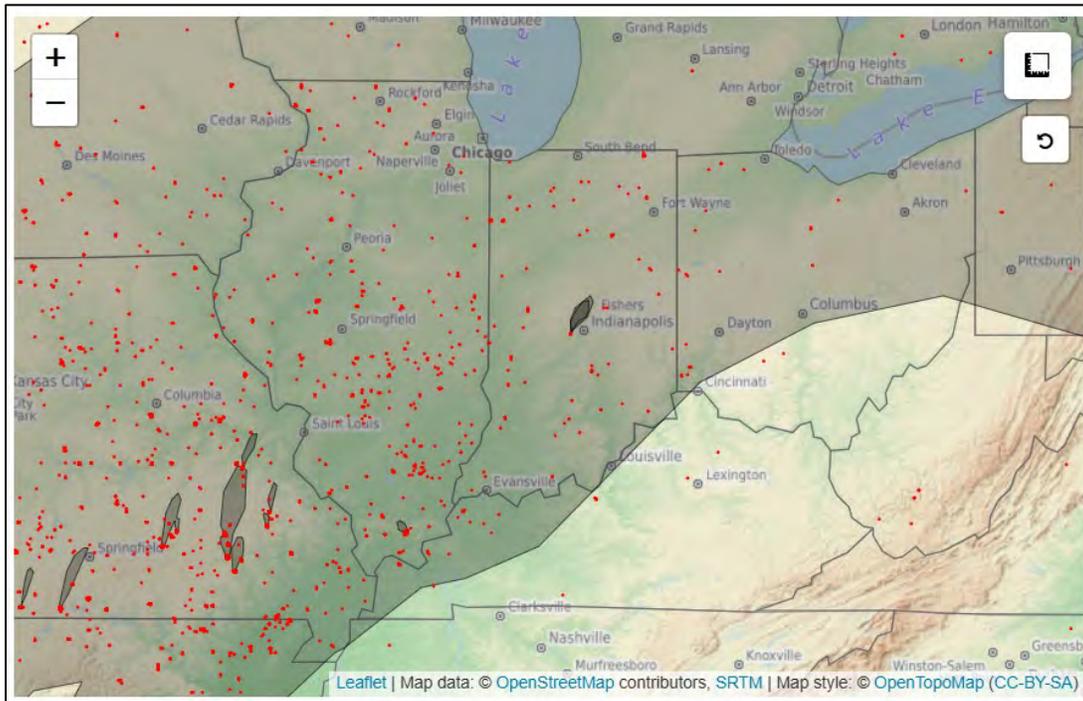
Satellite Imagery with MAIAC AOD - March 16, 2022



HRRR Smoke - Vertically Integrated Smoke - March 16, 2022



GAM PMO3 Smoke Output - March 16, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts

Tuesday, March 15, 2022

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH
0200Z March 16, 2022

SMOKE:

Northeastern United States, Midwest, Central Plains and Southern
Plains...

An area of thin density smoke, from the numerous fires ongoing over the Midwest and Central Plains, was seen extending from western New York and southern Ontario west through the Midwestern states and into the Central and Southern Plains states. Within this area, several areas of localized moderate to high density smoke was seen near ongoing fire activity.

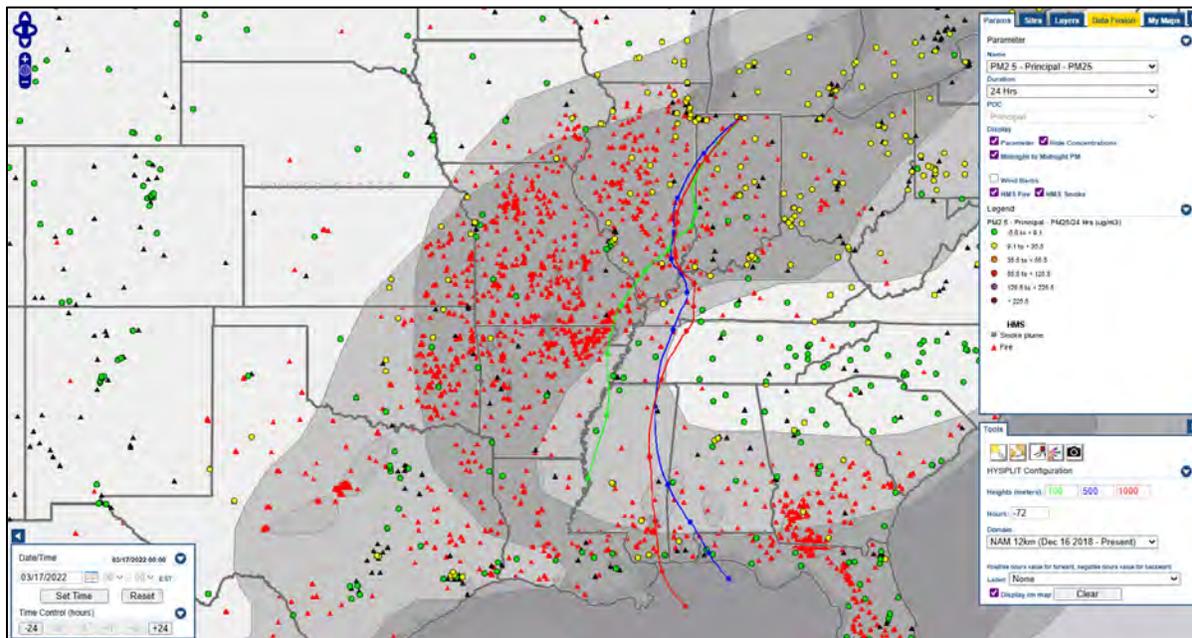
Hanna

March 17, 2022

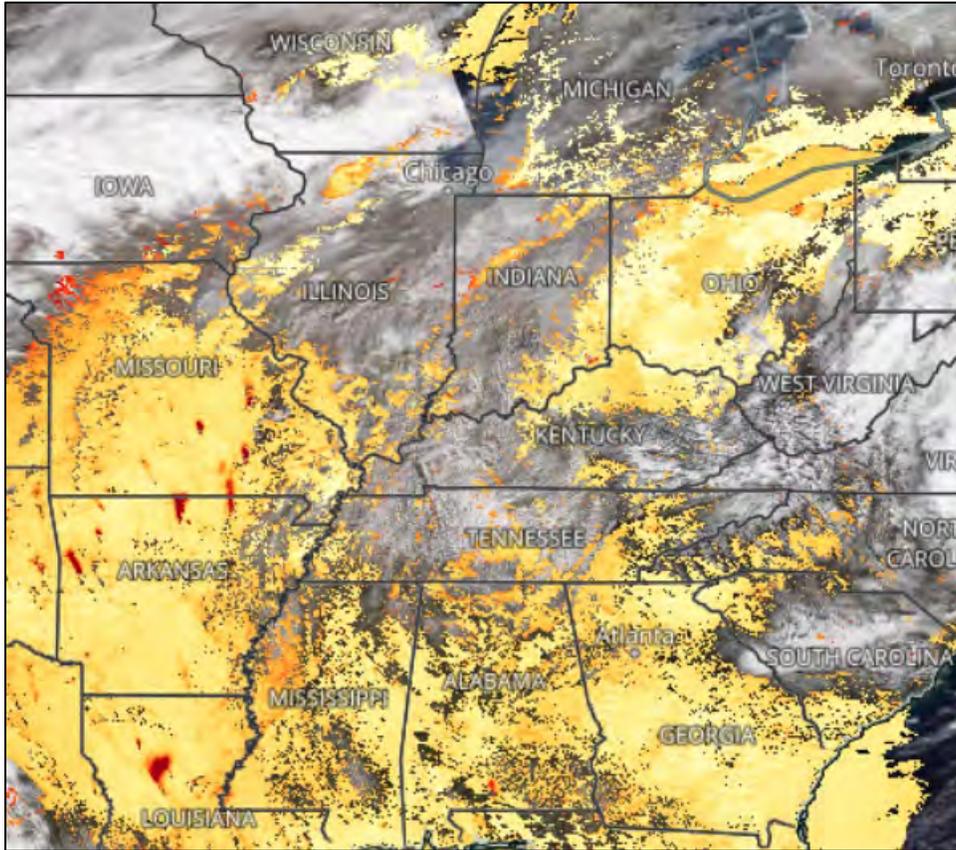
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily Average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Jeffersonville - Bates-Bowyer Ave	180190010	3/17/2022	16.8	16.6
East Chicago - Marina	180890034	3/17/2022	23.0	18.0
Hammond-167th St	180890036	3/17/2022	22.4	16.3
Anderson - Eastside Elem	180950011	3/17/2022	15.6	15.4
Indianapolis - Washington Park	180970078	3/17/2022	22.0	17.8
Indianapolis - W. 18th St.	180970081	3/17/2022	37.3	20.9
Indianapolis- I-70 E	180970087	3/17/2022	26.4	20.5
Ogden Dunes	181270024	3/17/2022	16.7	15.3
South Bend - Shields Dr.	181410015	3/17/2022	19.0	16.9
Terre Haute - Lafayette Ave	181670018	3/17/2022	24.3	18.8
Larwill	181830003	3/17/2022	16.5	15.0

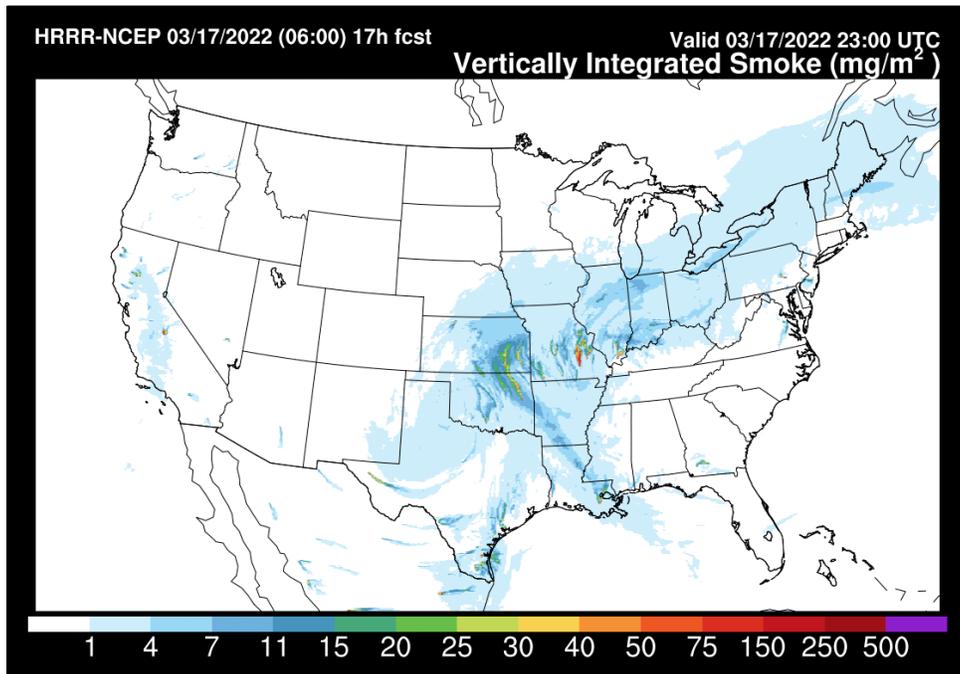
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - March 17, 2022



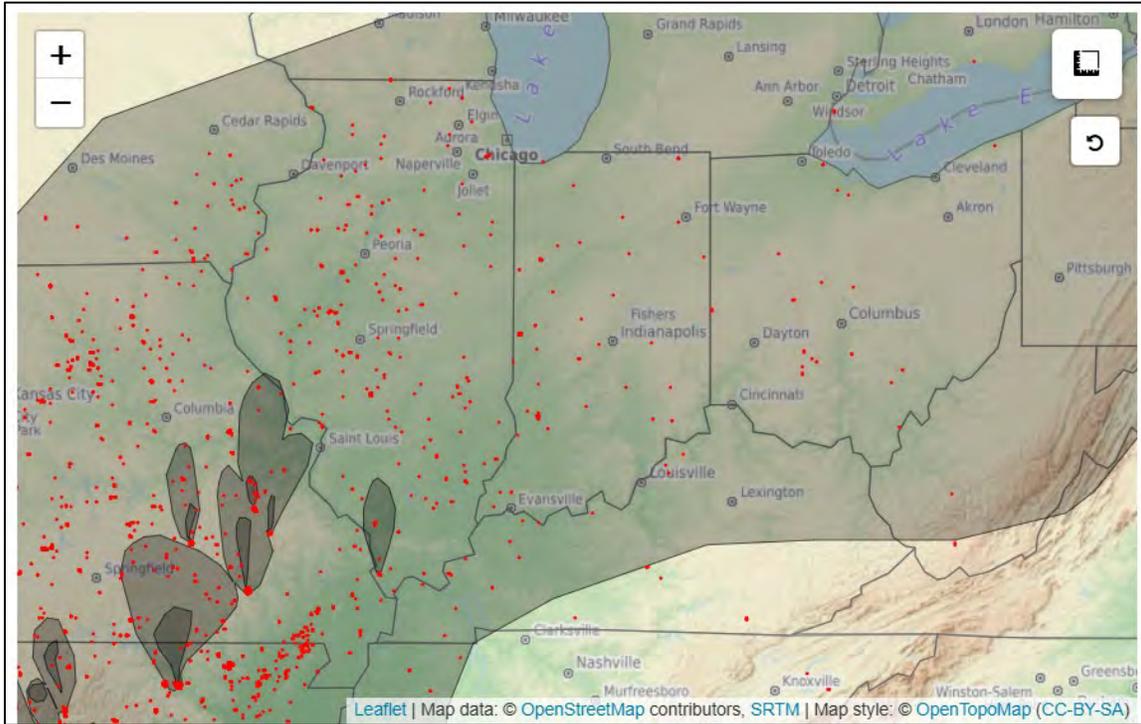
Satellite Imagery with MAIAC AOD - March 17, 2022



HRRR Smoke - Vertically Integrated Smoke - March 17, 2022



GAM PMO3 Smoke Output - March 17, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts

Wednesday, March 16, 2022

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0050Z March 17, 2022

SMOKE :

Central U.S. Extending to the Great Lakes Region, and Mid-Atlantic... A large number of fires were actively burning across much of the central U.S., and in particular across northeastern Oklahoma, Missouri and southern Illinois where individual plumes of moderate concentration could be seen dispersing toward the northeast. A large area consisting of light density smoke stretched from central Oklahoma to the Great Lakes, passing through eastern Kansas, northern Arkansas, Missouri, central-southern Iowa, Illinois, southern Wisconsin, Indiana, and northwestern Ohio. That large plume is moving toward the northeast and in the general direction of New England. Another area of remnant light density smoke from previous day fires along the Mid-Atlantic U.S. is also seen just off the coast of New Jersey.

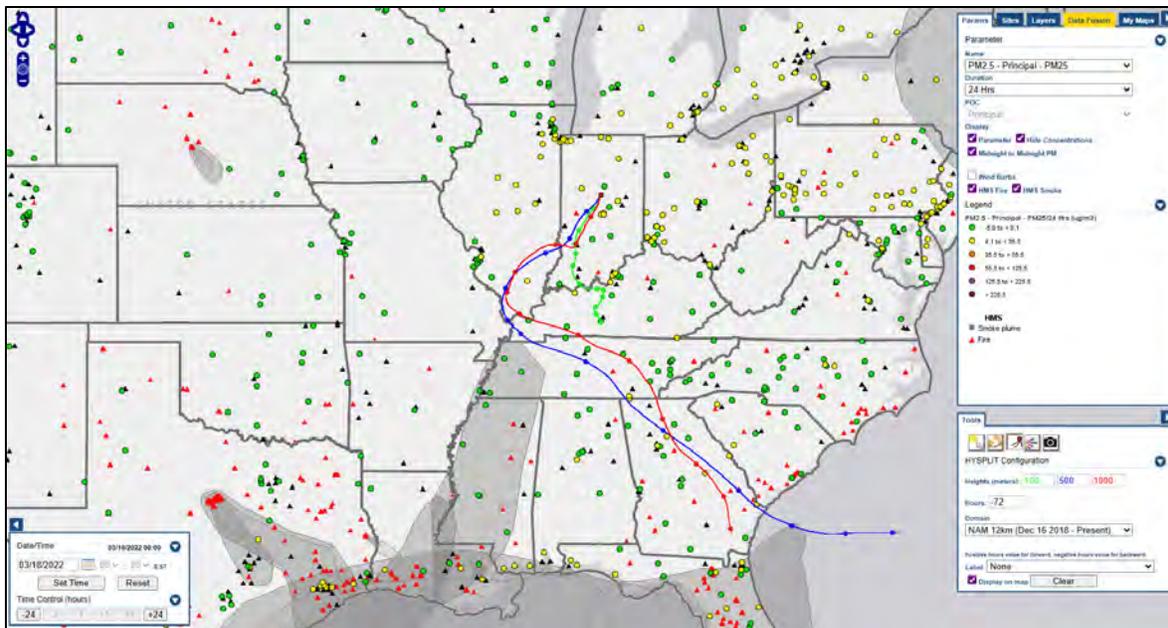
WS

March 18, 2022

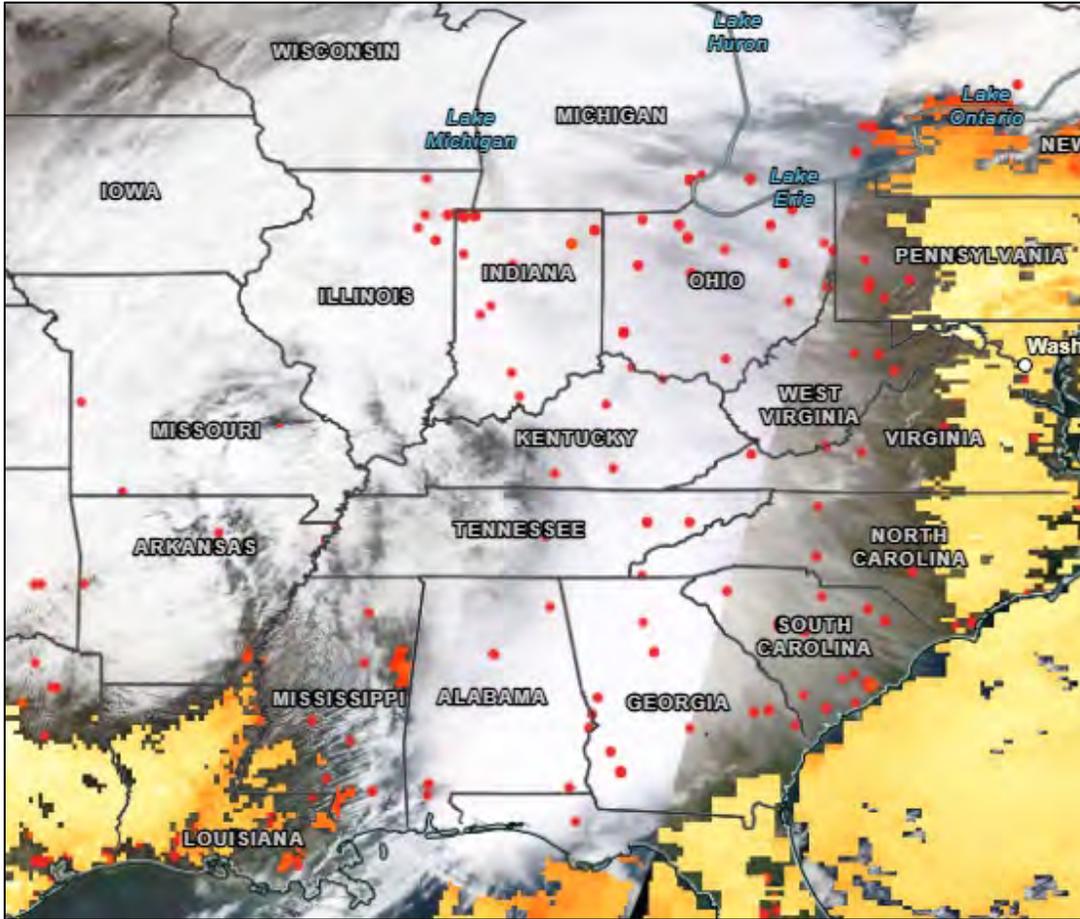
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Gary - Madison St	180890031	3/18/2022	23.5	16.0
Indianapolis - W. 18th St.	180970081	3/18/2022	21.7	20.9
Larwill	181830003	3/18/2022	16.6	15.0

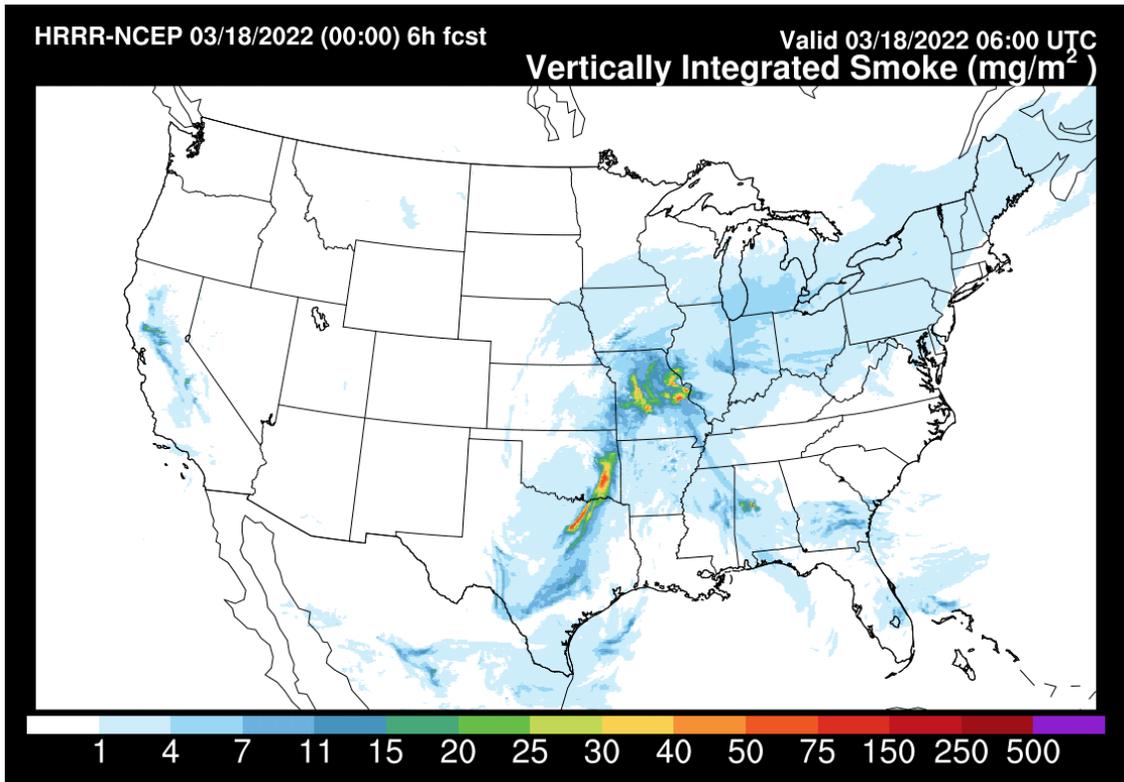
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - March 18, 2022



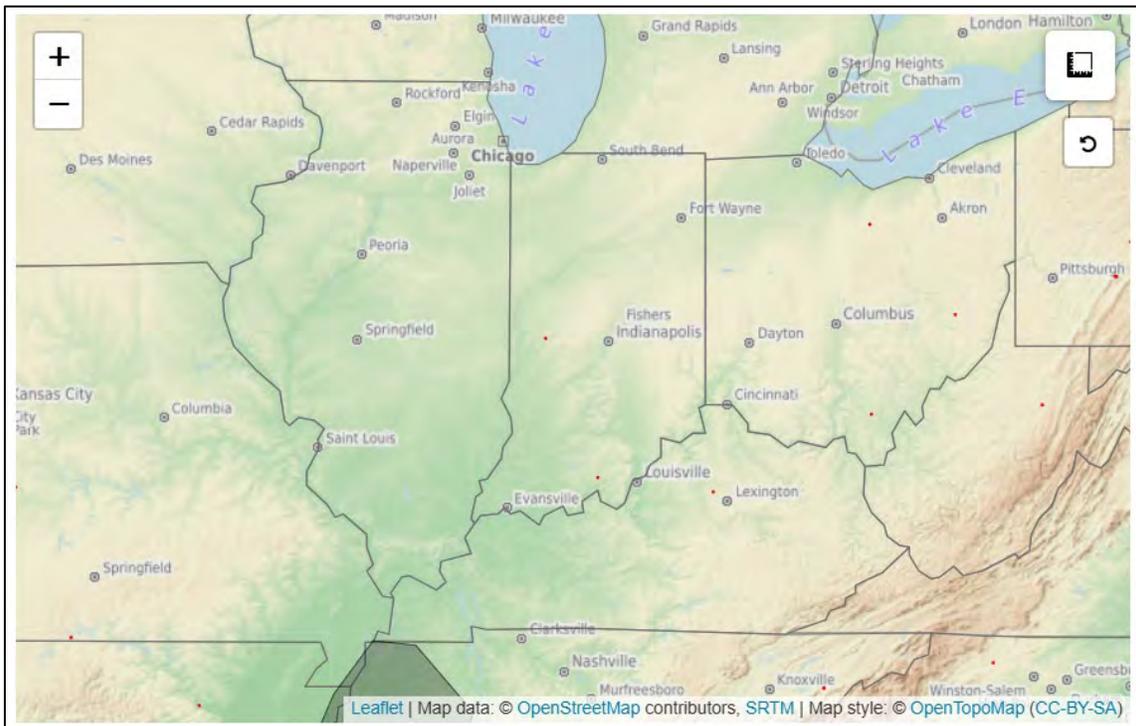
Satellite Imagery with MAIAC AOD - March 18, 2022



HRRR Smoke - Vertically Integrated Smoke - March 18, 2022



GAM PMO3 Smoke Output - March 18, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts**Thursday, March 17, 2022**DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH
0158Z March 18, 2022**SMOKE:**

Central U.S. Extending to the Great Lakes Region, and Mid-Atlantic...
A large number of fires were actively burning across much of the central U.S., and in particular across northeastern Oklahoma, Missouri, Arkansas and southern Illinois where individual plumes of moderate concentration with some heavier areas of smoke near the sources could be seen dispersing toward the north. A large area consisting of light density smoke stretched from central Texas to the Great Lakes region in the north and NY/Pennsylvania area in the northeast, This smoke also extends off of the southeast coast and may include some remnant smoke.

BLOWING DUST:

New Mexico/Northern Mexico/Texas/Oklahoma...
An area of at least moderate density blowing dust with heavier dust on the leading edges was observed moving south-southeast from New Mexico, northern Mexico, and northern/western Texas as evening approached. Some dust could be seen through cloud cover in southern Oklahoma as well. This dust could stretch further east and north but cloud cover precluded further analysis.

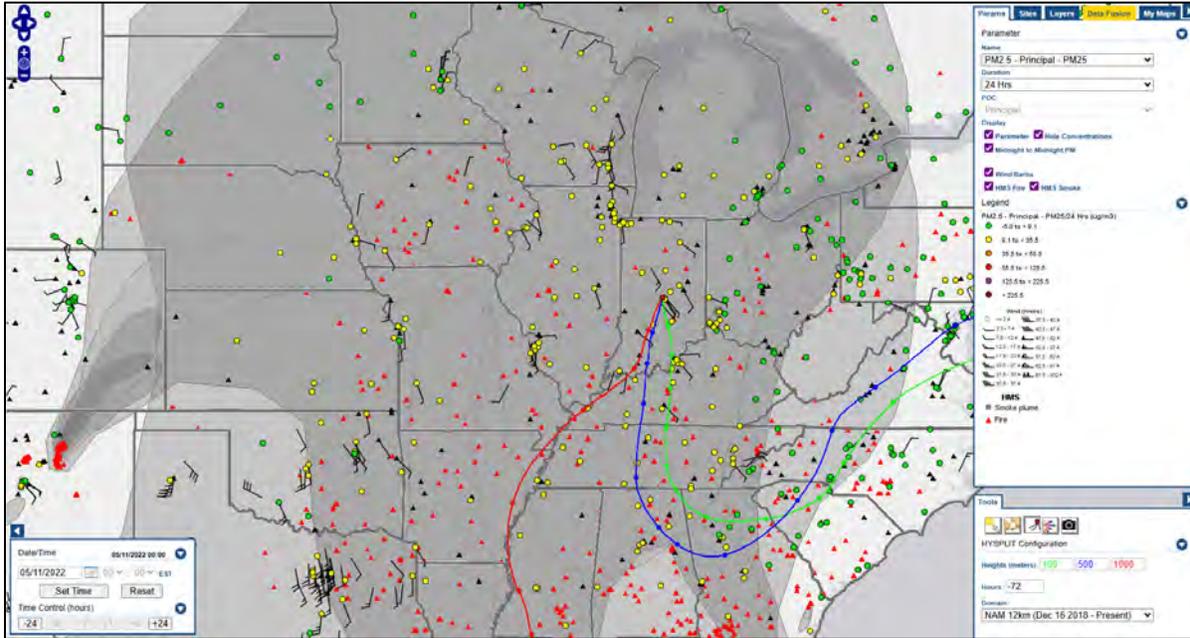
Eglin

May 11, 2022

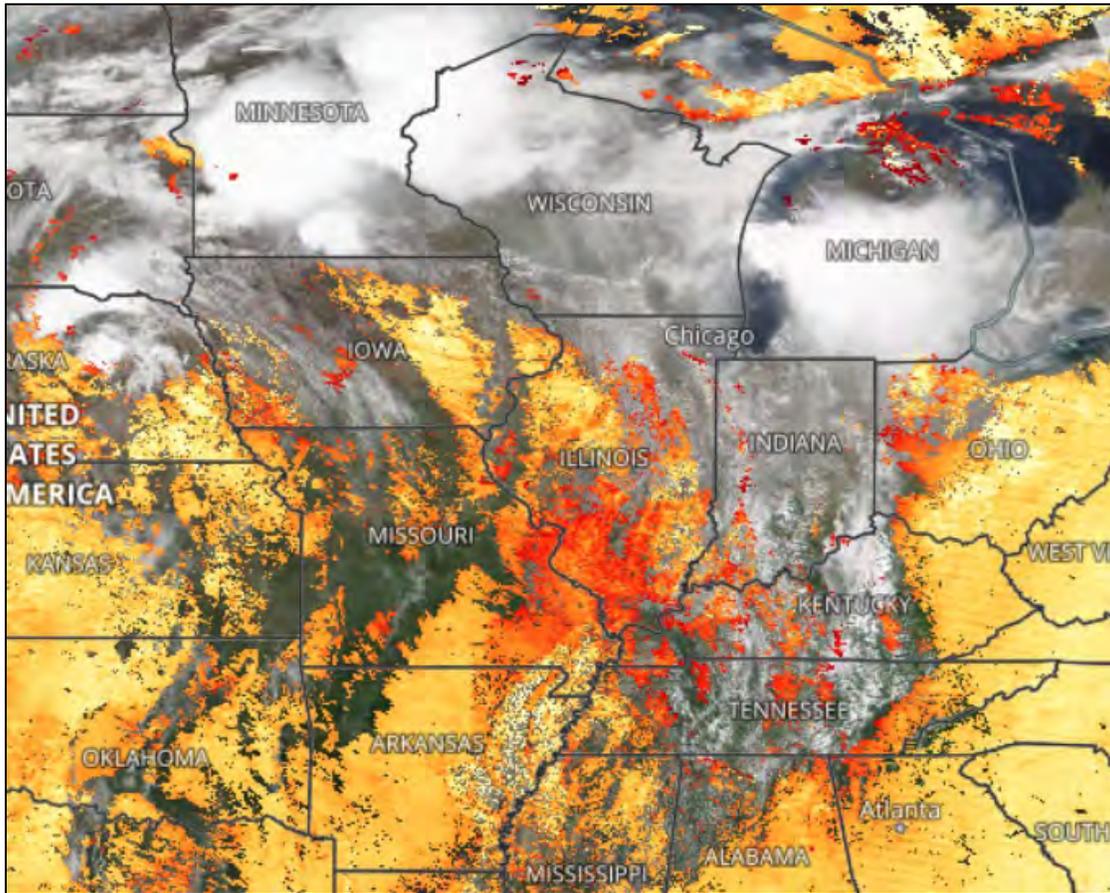
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Columbus - Rocky Ford Drive	180050008	5/11/2022	14.8	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	5/11/2022	17.5	17.0
Muncie - Central HS	180350006	5/11/2022	15.4	13.2
Jasper - Post Office	180372001	5/11/2022	19.1	15.7
Elkhart - Prairie St	180390008	5/11/2022	17.9	16.3
Fishers	180570007	5/11/2022	14.4	13.8
Carmel - Hazel Dell Parkway	180570008	5/11/2022	17.5	16.5
Mechanicsburg	180650003	5/11/2022	16.2	15.5
East Chicago - Franklin/Washington Sch	180890006	5/11/2022	21.6	16.1
Gary - Madison St	180890031	5/11/2022	24.5	16.0
East Chicago - Marina	180890034	5/11/2022	23.3	18.0
Hammond-167th St	180890036	5/11/2022	22.0	16.3
Michigan City - Marsh Elem. Sch.	180910011	5/11/2022	19.1	15.9
Anderson - Eastside Elem	180950011	5/11/2022	16.5	15.4
Indianapolis - Washington Park	180970078	5/11/2022	17.9	17.8
Indianapolis - School 21	180970084	5/11/2022	17.0	15.5
Bloomington - Binford	181050003	5/11/2022	16.1	13.9
Ogden Dunes	181270024	5/11/2022	21.7	15.3
South Bend - Shields Dr.	181410015	5/11/2022	18.0	16.9
Dale	181470009	5/11/2022	19.0	13.9
Lafayette - Greenbush St	181570008	5/11/2022	16.8	15.1
Evansville - U of E	181630016	5/11/2022	20.3	15.5
Evansville - Buena Vista	181630021	5/11/2022	21.0	15.1
Larwill	181830003	5/11/2022	16.1	15.0

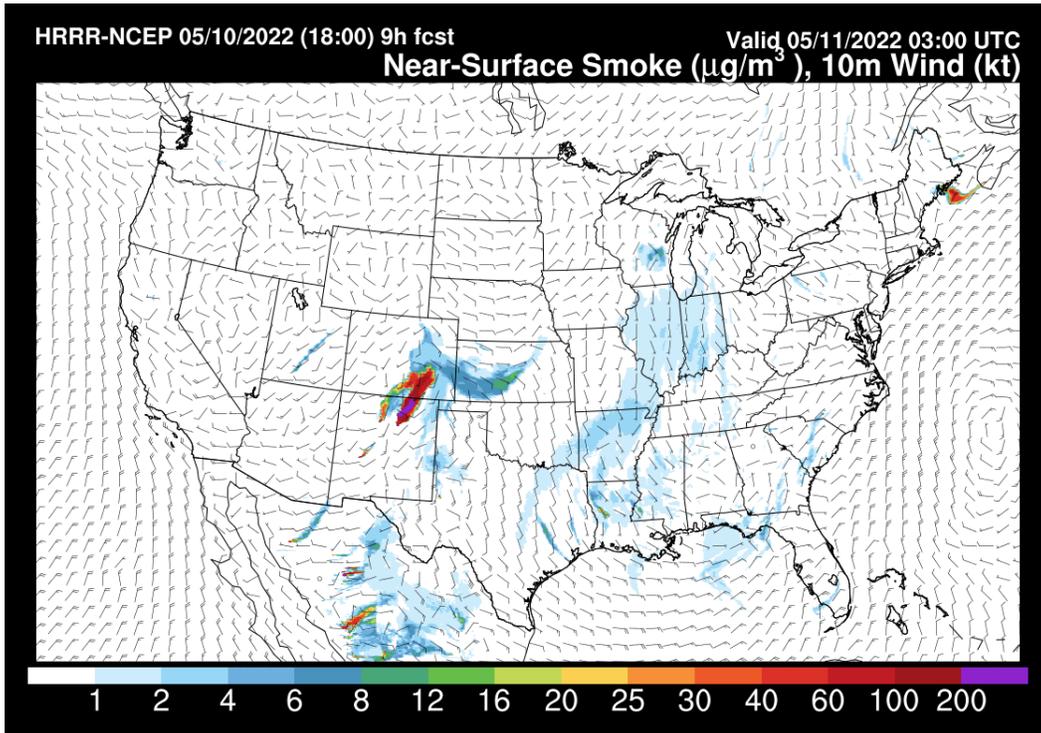
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories – May 11, 2022



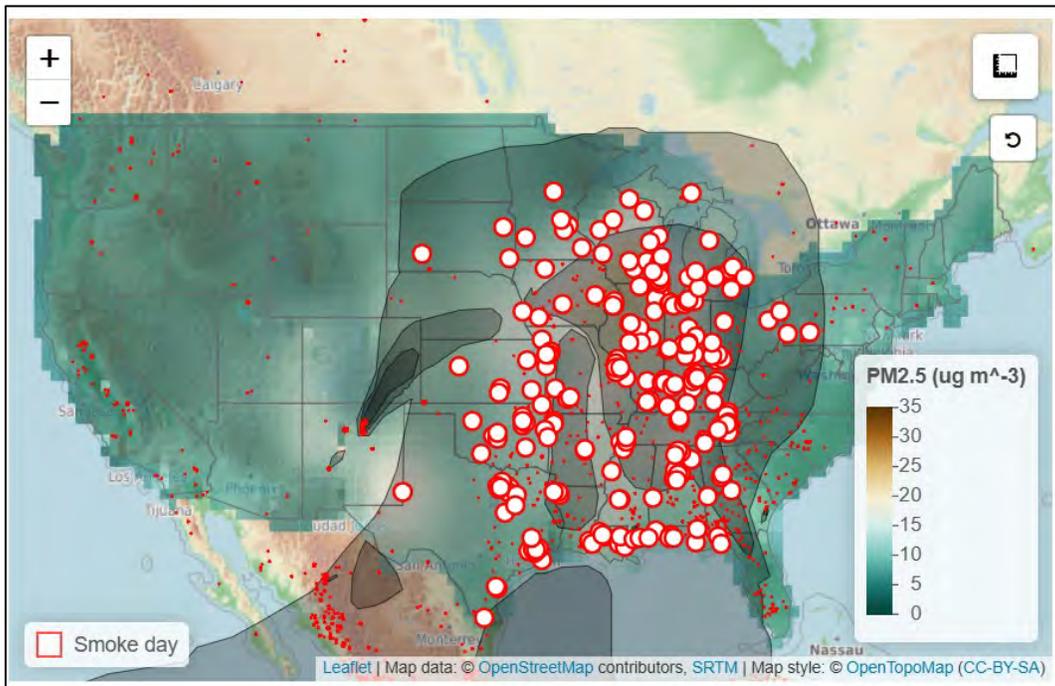
Satellite Imagery with MAIAC AOD - May 11, 2022



HRRR Smoke – Near-Surface Smoke - May 11, 2022



GAM PMO3 Smoke Output - May 11, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts**Tuesday, May 10, 2022**DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH
0102Z May 11, 2022

SMOKE:

New Mexico...

All four main wildfires burning in central New Mexico (Bear Trap, Cerro Pelado, Hermits Peak, and Calf Canyon) were actively burning throughout the day. Mostly Dense smoke from these fires could be seen moving northeast extending near where Colorado, Nebraska and Kansas meet.

Central and Eastern U.S...

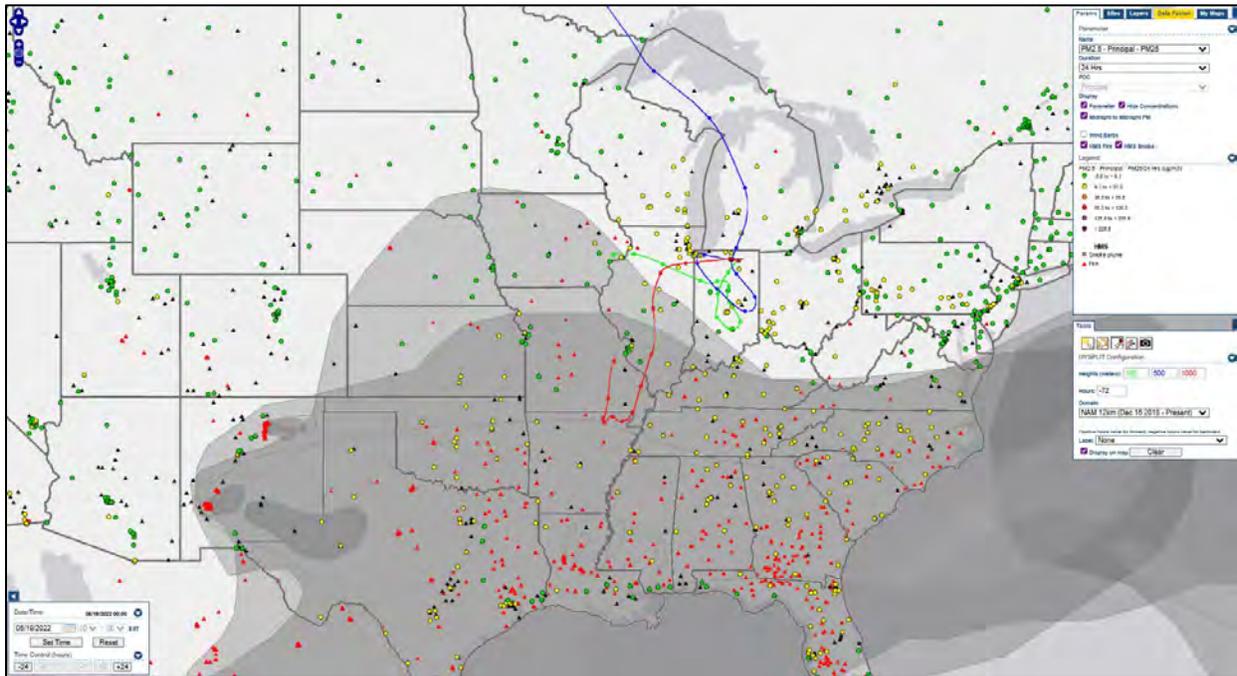
An area of remnant light to moderate density smoke from the Hermits Peak, Calf Canyon, and Cerro Pelado wildfires in New Mexico with contributions from recent burning activity and blowing dust was observed over southern Ontario in the north, then continues southwest covering most of Texas, then east covering most of the eastern U.S., A large area of moderate density smoke extends from northern Texas northeast all the way to Minnesota and Michigan. This smoke continues south mixing with "SMOKE/AEROSOL" section.

May 19, 2022

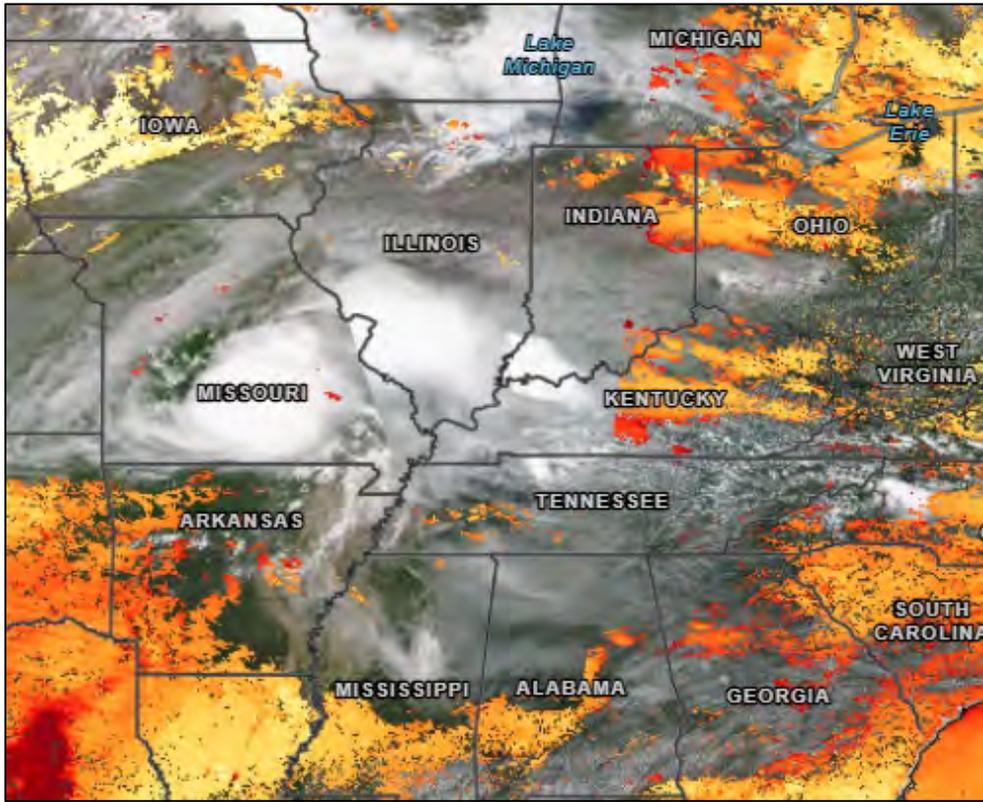
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
South Bend - Shields Dr.	181410015	5/19/2022	16.9	16.9
Larwill	181830003	5/19/2022	18.1	15.0

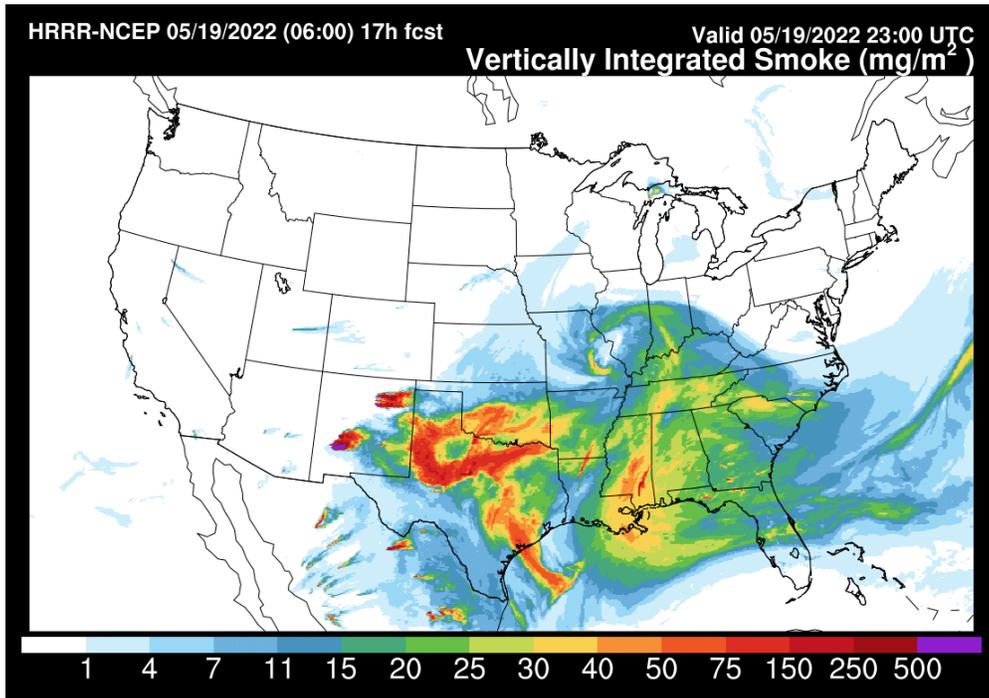
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - May 19, 2022

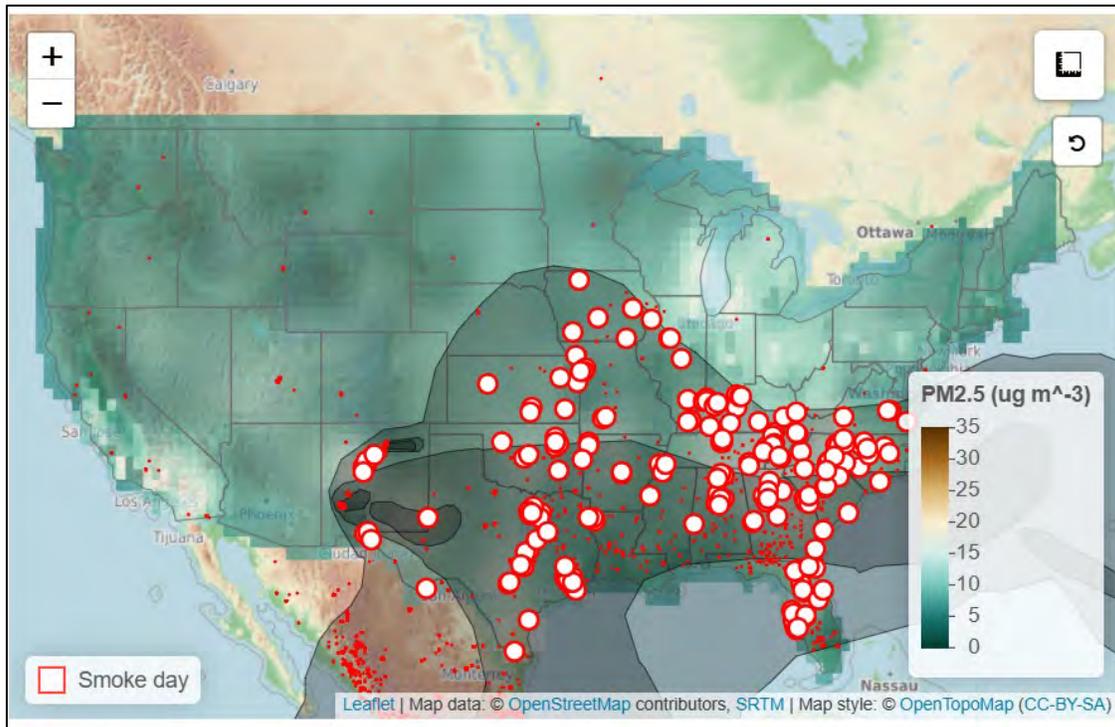


Satellite Imagery with MAIAC AOD - May 19, 2022



HRRR Smoke - Vertically Integrated Smoke - May 19, 2022



GAM PMO3 Smoke Output - May 19, 2022**NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts****Wednesday, May 18, 2022**

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0049Z May 19, 2022

SMOKE:

South Central and Southwestern U.S...

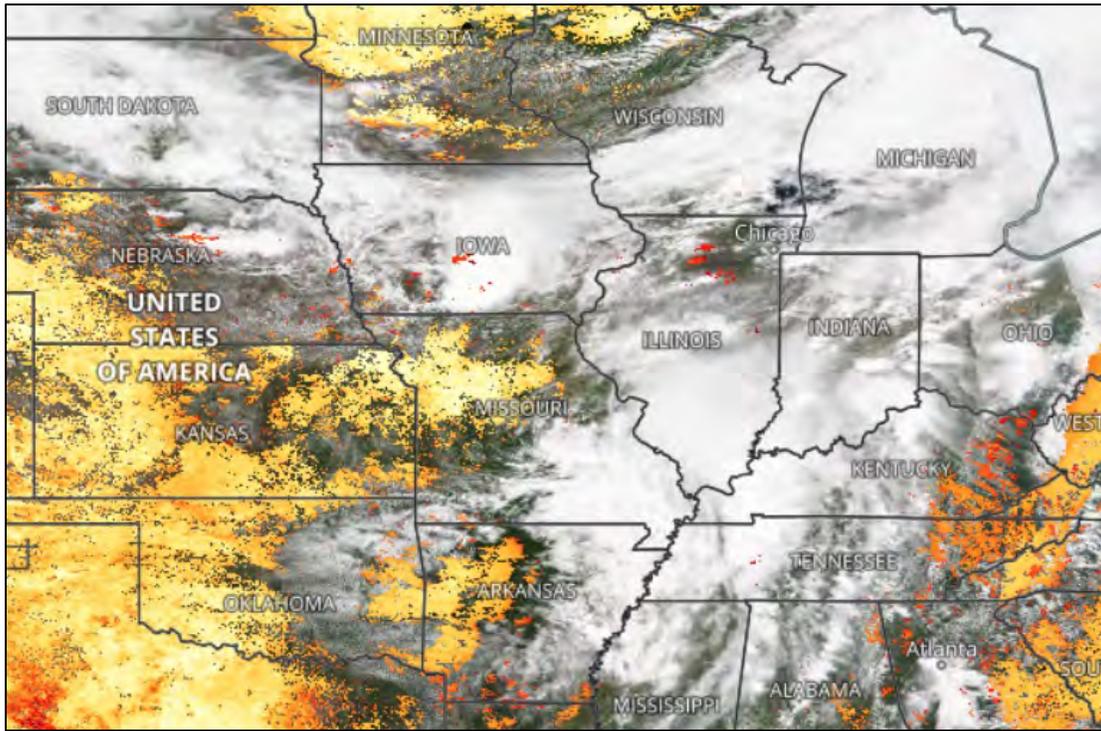
The Bear Trap, Hermits Peak and Black Fires in New Mexico where responsible for a sizeable area of moderate to thick density smoke which extended to the east and fanned out across the central and eastern US. This smoke contains contributions from Wildfire activity and seasonal burning in the region but cloud cover made some of the smoke plums hard to discern.

Central and Eastern U.S./Gulf of Mexico/Atlantic off the U.S. East Coast...

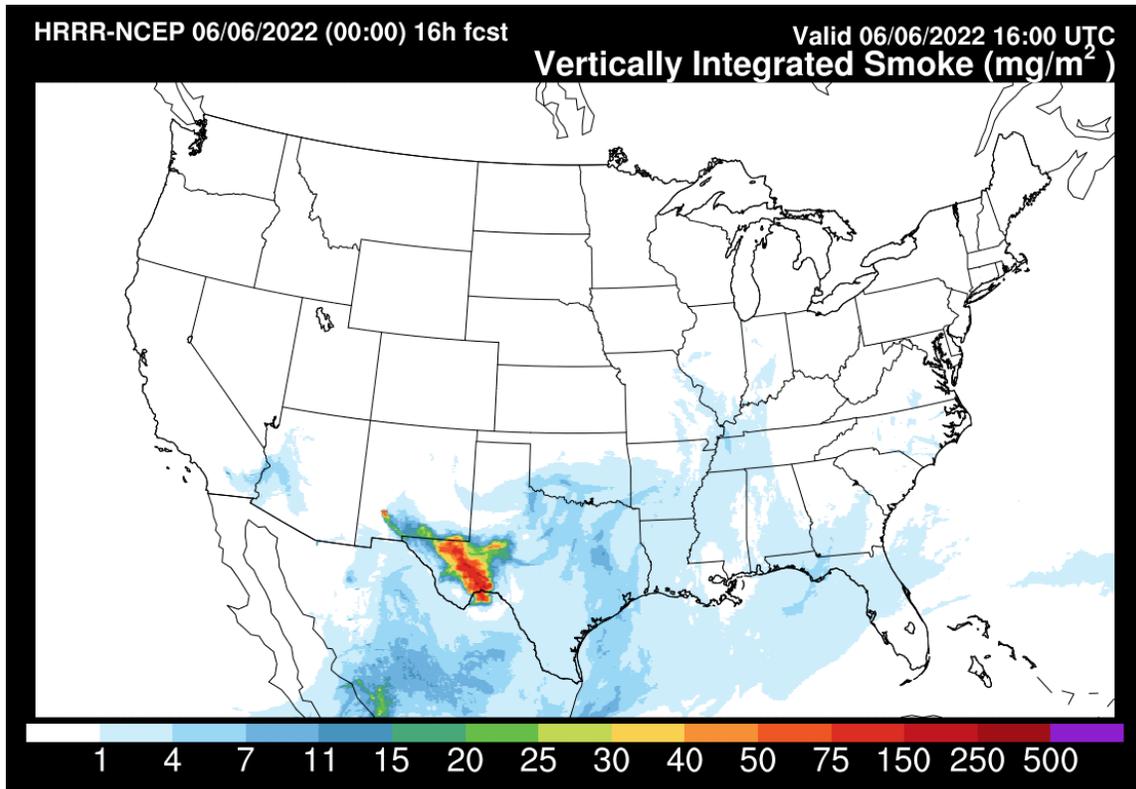
A large area of thin density smoke with a large portion of moderate density smoke attributed to the New Mexico wildfires was seen covering much of the central and eastern U.S. and extending off the U.S. east coast over the far western Atlantic. The smoke also was present over the Gulf Coast region and Gulf of Mexico where it likely mixed with smoke from the ongoing significant seasonal fire activity along with a few wildfires burning in Mexico and Central America.

Eglin

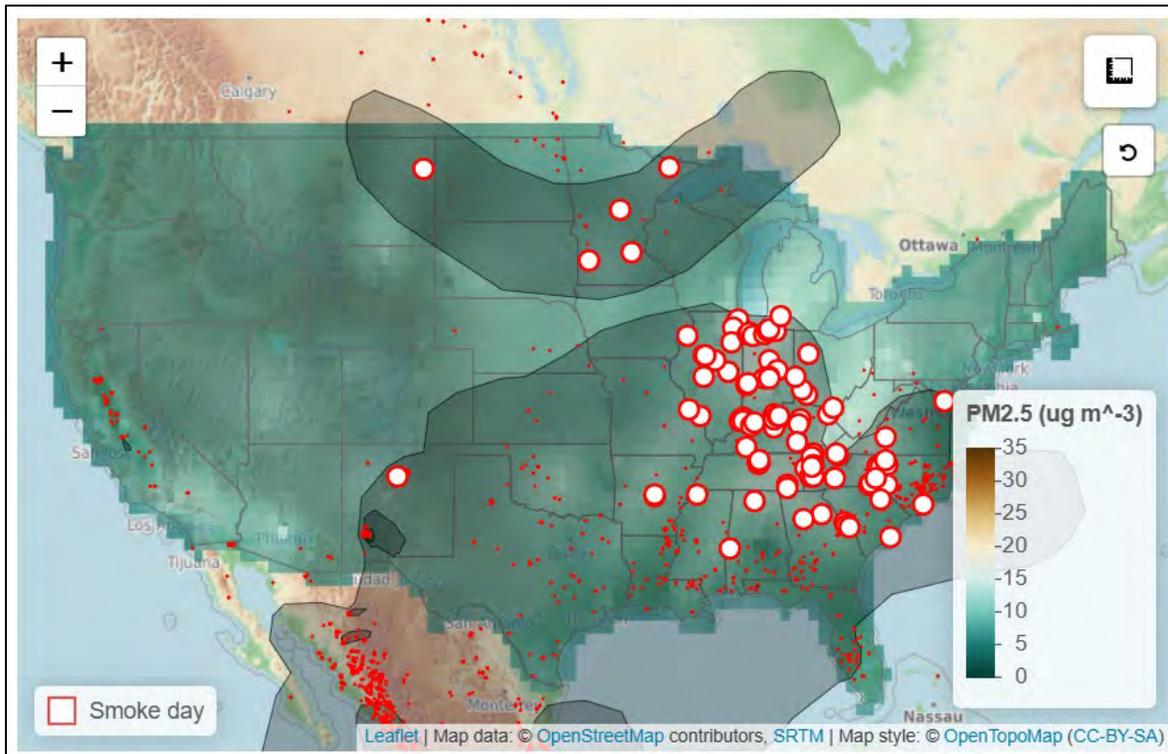
Satellite Imagery with MAIAC AOD - June 6, 2022



HRRR Smoke - Vertically Integrated Smoke - June 6, 2022



GAM PMO3 Smoke Output - June 6, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts

Sunday, June 5, 2022

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0145Z June 6, 2022

SMOKE:

New Mexico, South-Central, Southeastern U.S...

The Black Fire in southwestern New Mexico continued to emit moderate-to-heavy density smoke this afternoon, in addition to the Calf Canyon fire in north-central New Mexico which had moderate density smoke showing during the late afternoon hours. Both smoke plumes were dispersing toward the east. Light density smoke originating from the New Mexico wildfires as well as from seasonal fires in Texas covered Kansas, Oklahoma, and Texas, extending south over the northern Gulf of Mexico further east approaching Florida.

Eastern U.S...

An area of remnant light density smoke from the ongoing wildfires in New Mexico with contributions from recent seasonal burning in the central U.S. was observed moving northeast covering most of Kentucky, Tennessee and Western Virginia, in addition to northern Alabama, Georgia, northwestern North Carolina, southern Indiana and Ohio.

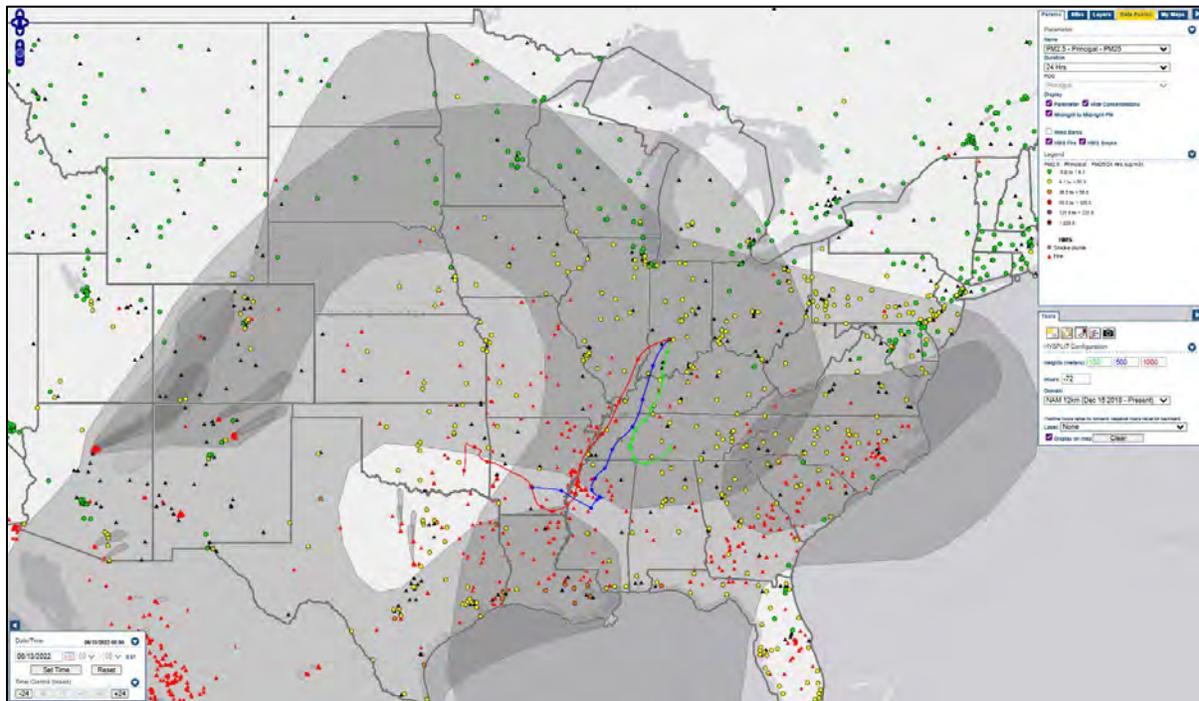
WS

June 13, 2022

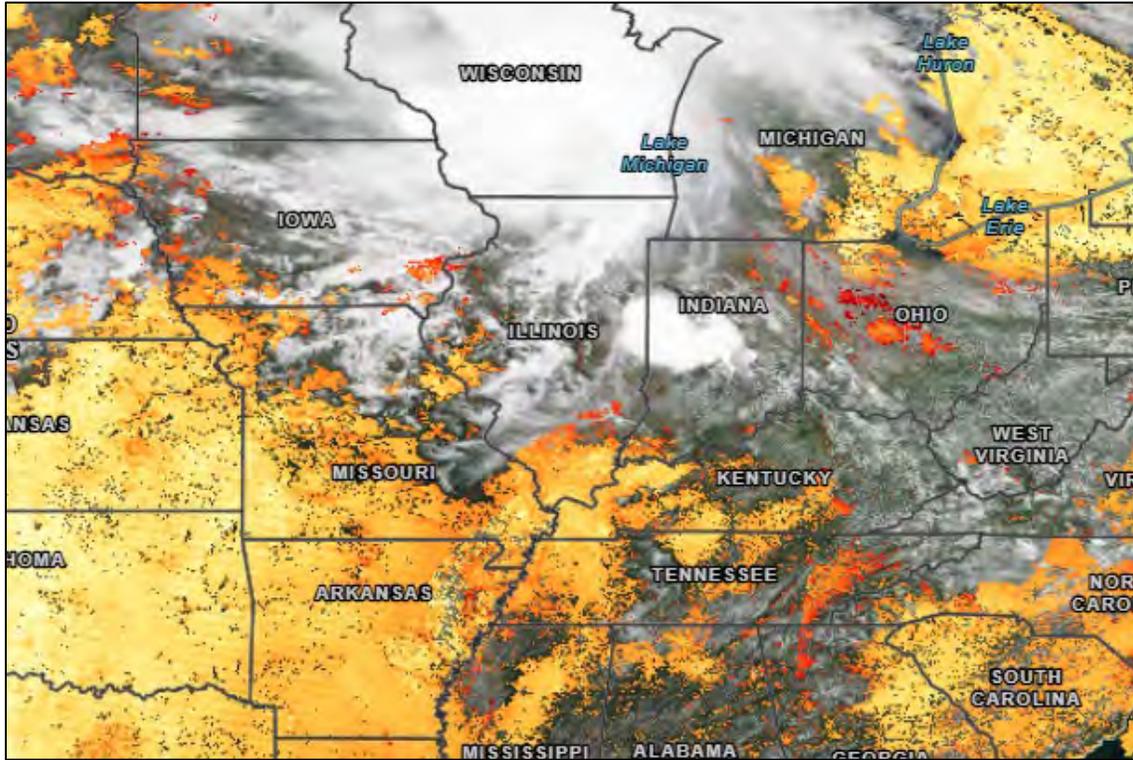
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Plummer	180550001	6/13/2022	16.9	14.7
Bloomington - Binford	181050003	6/13/2022	15.8	13.9
Evansville- U of E	181630016	6/13/2022	15.0	15.0

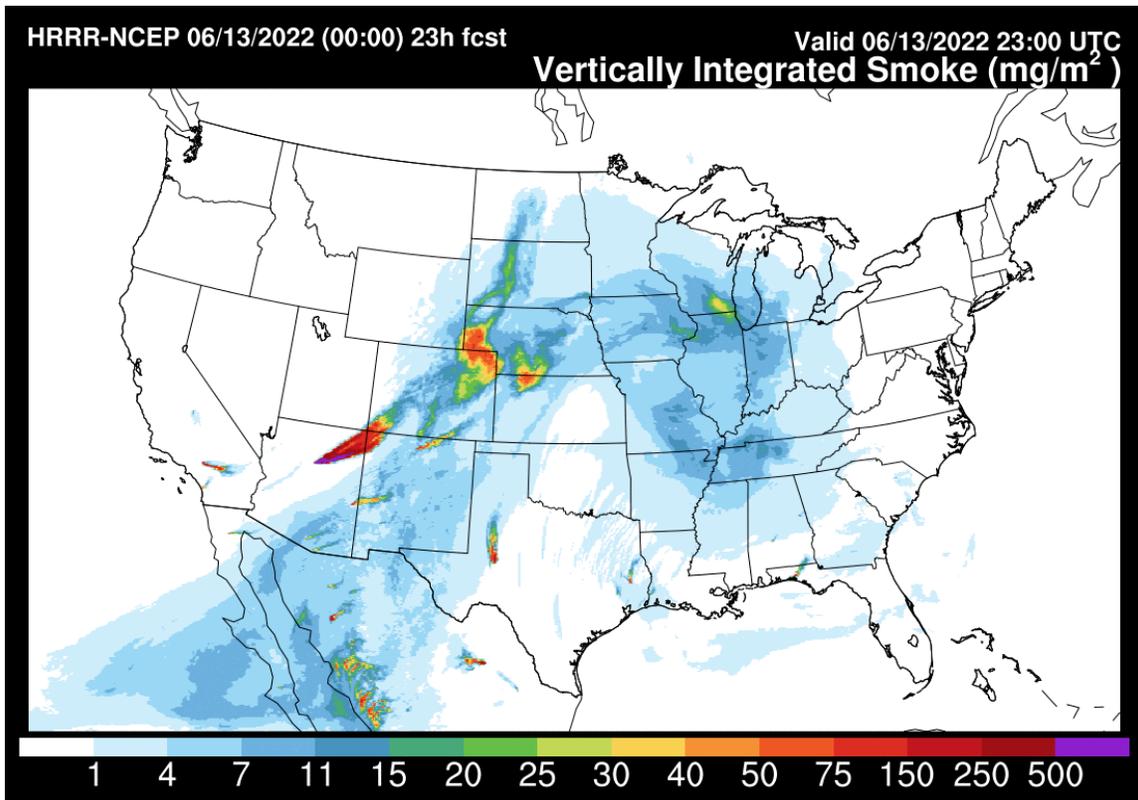
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - June 13, 2022



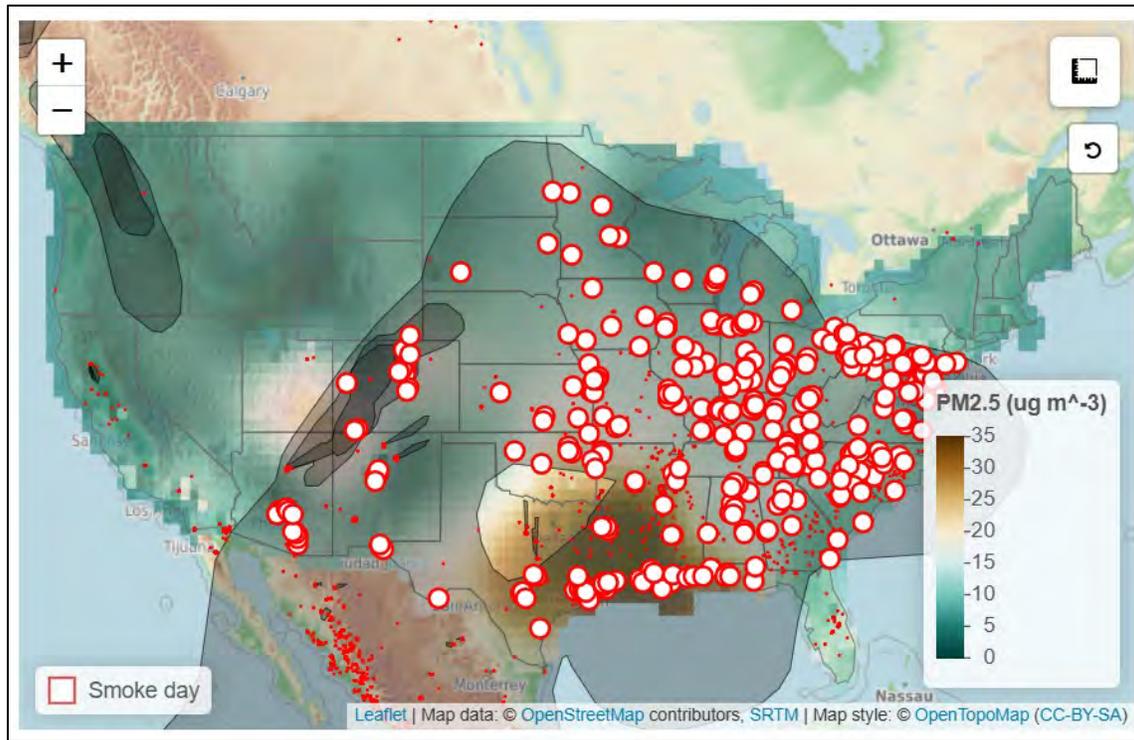
Satellite Imagery with MAIAC AOD - June 13, 2022



HRRR Smoke - Vertically Integrated Smoke - June 13, 2022



GAM PMO3 Smoke Output - June 13, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts

Monday, June 13, 2022

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 1550Z June 13, 2022

SMOKE :

South-Central, Southwestern and Eastern U.S...

A large area consisting of light density remnant smoke originating from wildfires in New Mexico along with contributions from seasonal burning across the south-central U.S. was observed covering much of the southwestern United States extending northeast into the Northern Plains, Midwest and Upper Midwest states and then extending southeast towards the Southeast and Eastern United States coastal regions. Within this region an area of moderate to high density smoke was seen extending from the fires over north central Arizona northeast into western and central Colorado.

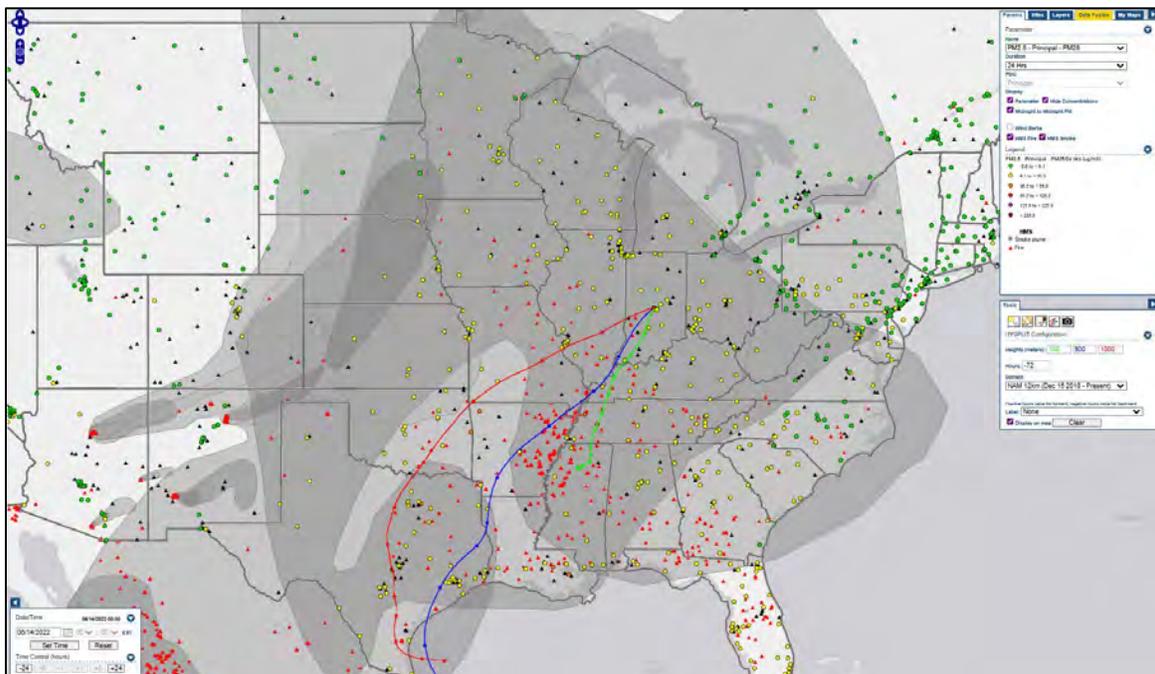
Hanna

June 14, 2022

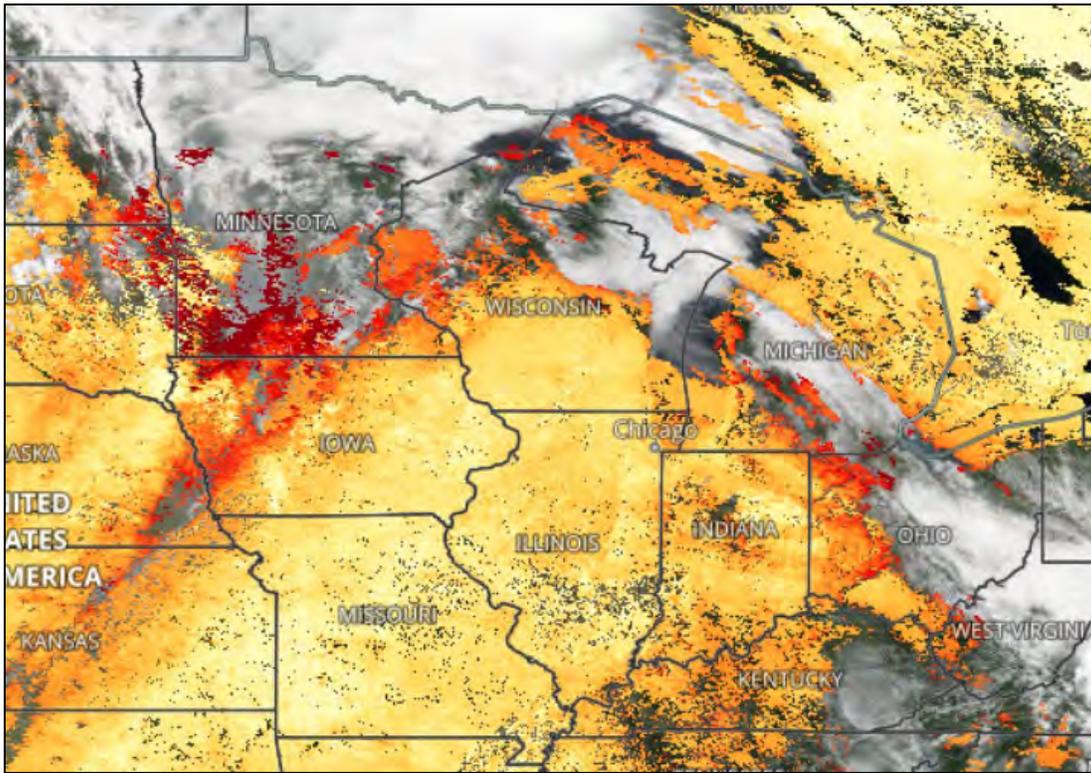
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Columbus - Rocky Ford Drive	180050008	6/14/2022	23.3	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/14/2022	23.6	17.0
Elkhart - Prairie St	180390008	6/14/2022	17.6	16.3
Fishers	180570007	6/14/2022	21.6	13.8
Mechanicsburg	180650003	6/14/2022	20.0	15.5
Kokomo - E. Vaile Ave	180670004	6/14/2022	19.4	14.7
Anderson - Eastside Elem	180950011	6/14/2022	18.6	15.4
Indianapolis - Washington Park	180970078	6/14/2022	22.3	17.8
Indianapolis - W. 18th St.	180970081	6/14/2022	21.6	20.9
Indianapolis - I-70 E	180970087	6/14/2022	23.3	20.5
Bloomington - Binford	181050003	6/14/2022	26.7	13.9
Ogden Dunes	181270024	6/14/2022	21.9	15.3
Lafayette - Greenbush St	181570008	6/14/2022	21.1	15.1
Evansville - Buena Vista	181630021	6/14/2022	27.5	15.1
Terre Haute - Lafayette Ave	181670018	6/14/2022	25.5	18.8

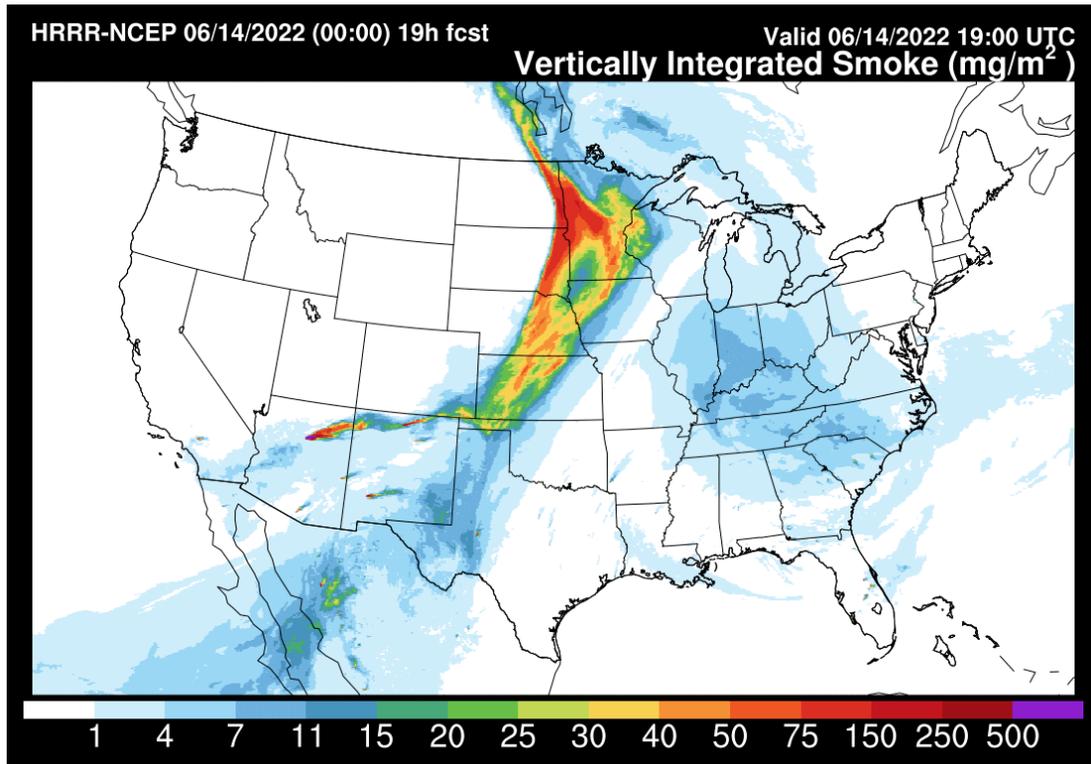
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - June 14, 2022



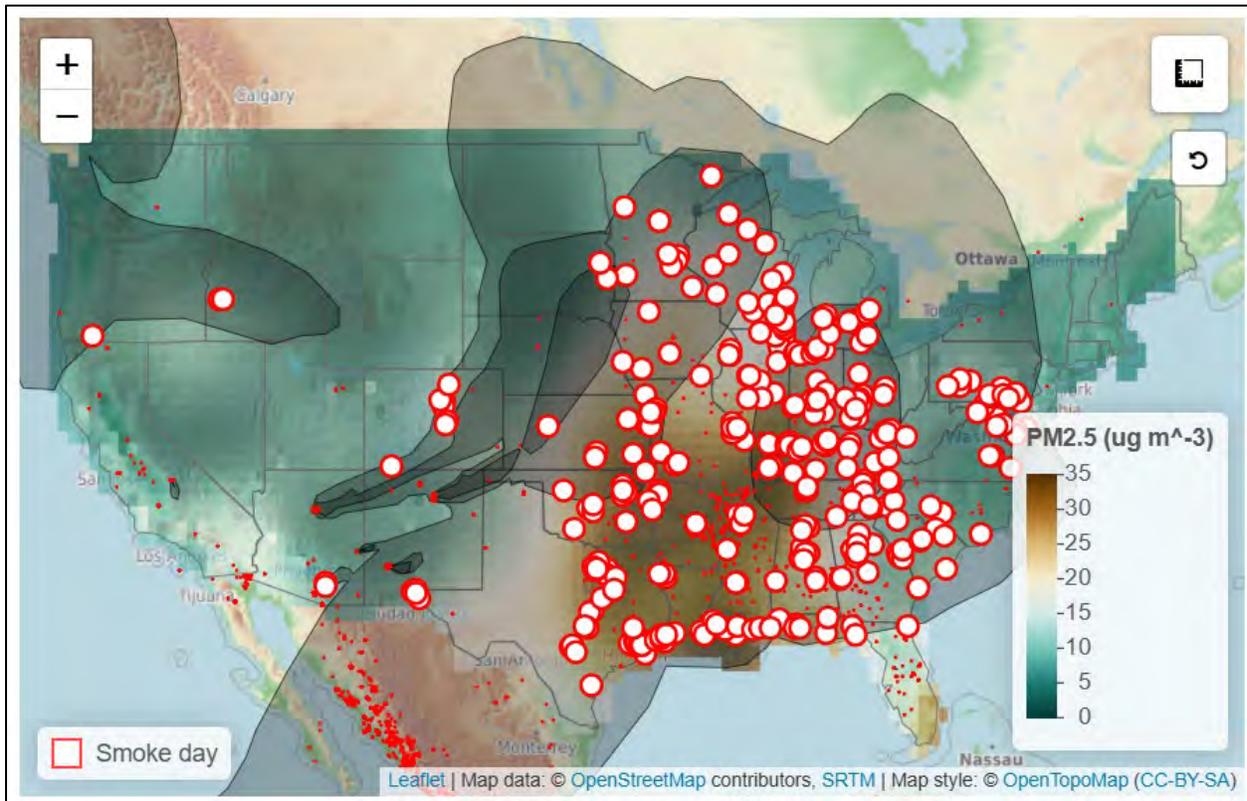
Satellite Imagery with MAIAC AOD - June 14, 2022



HRRR Smoke - Vertically Integrated Smoke - June 14, 2022



GAM PMO3 Smoke Output - June 14, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts

Tuesday, June 14, 2022

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 1550Z June 14, 2022

SMOKE :

Southwestern/Mid-west/Eastern/Southeastern U.S... Moderate-to-heavy density smoke was observed from wildfires in northern Arizona and New Mexico, with those plumes dispersing towards the northeast and into the Central and Northern Plains states. Lighter density smoke from those wildfires extended over the U.S. Midwest and combined with a large area of remnant smoke from seasonal fires across the central and southeastern U.S. covering those source regions and dipping into the northern Gulf of Mexico and over the eastern U.S. and a part of the Atlantic.

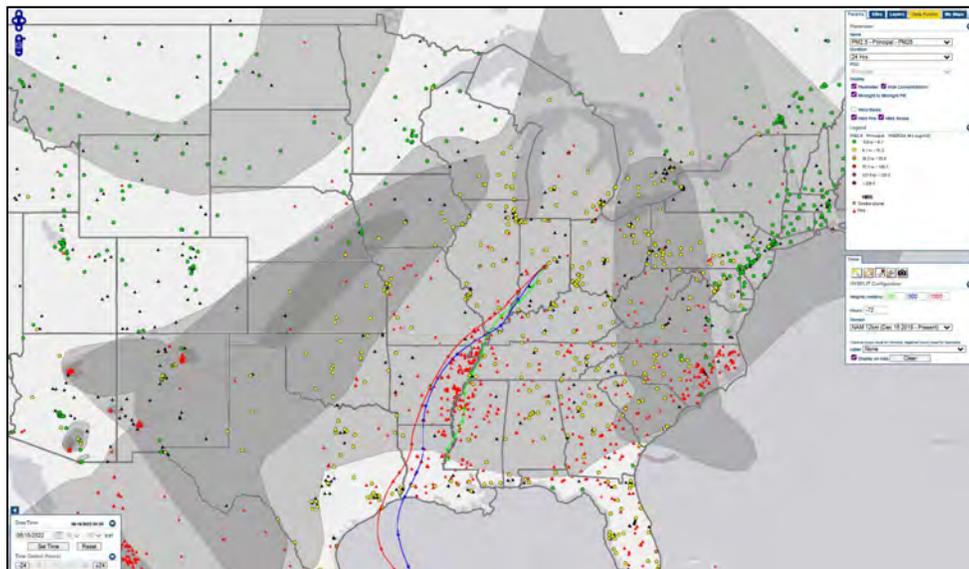
Hanna

June 15, 2022

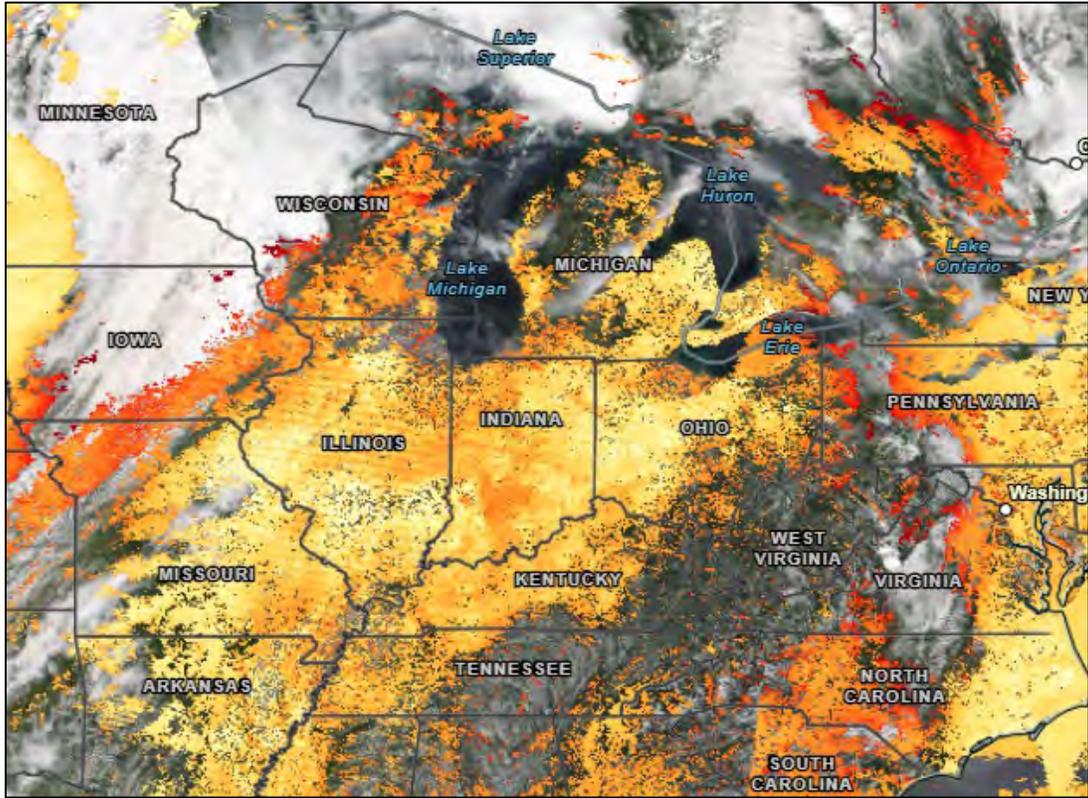
List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke

Monitor name	AQS ID	Date	Daily Average (µg/m ³)	Tier 2 Threshold (µg/m ³)
Columbus - Rocky Ford Drive	180050008	6/15/2022	30.8	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/15/2022	25.6	17.0
Elkhart - Prairie St	180390008	6/15/2022	37.1	16.3
Fishers	180570007	6/15/2022	34.0	13.8
Mechanicsburg	180650003	6/15/2022	32.7	15.5
Kokomo - E. Vaile Ave	180670004	6/15/2022	34.7	14.7
East Chicago - Marina	180890034	6/15/2022	35.7	18.0
Hammond-167th St	180890036	6/15/2022	27.2	16.3
Anderson - Eastside Elem	180950011	6/15/2022	31.1	15.4
Indianapolis - Washington Park	180970078	6/15/2022	32.6	17.8
Indianapolis - W. 18th St.	180970081	6/15/2022	31.0	20.9
Indianapolis - I-70 E	180970087	6/15/2022	32.5	20.5
Bloomington - Binford	181050003	6/15/2022	33.3	13.9
Ogden Dunes	181270024	6/15/2022	31.7	15.3
South Bend - Shields Dr.	181410015	6/15/2022	28.8	16.9
Lafayette - Greenbush St	181570008	6/15/2022	33.2	15.1
Evansville - Buena Vista	181630021	6/15/2022	26.8	15.1
Terre Haute - Lafayette Ave	181670018	6/15/2022	33.1	18.8

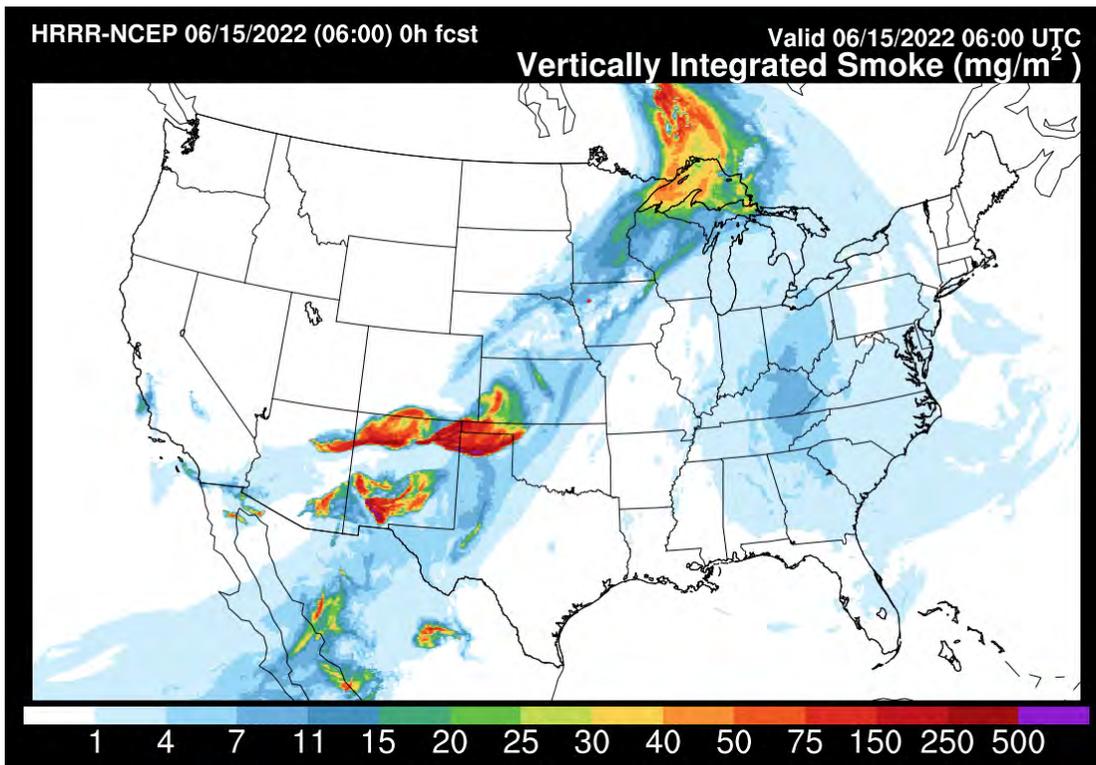
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - June 15, 2022



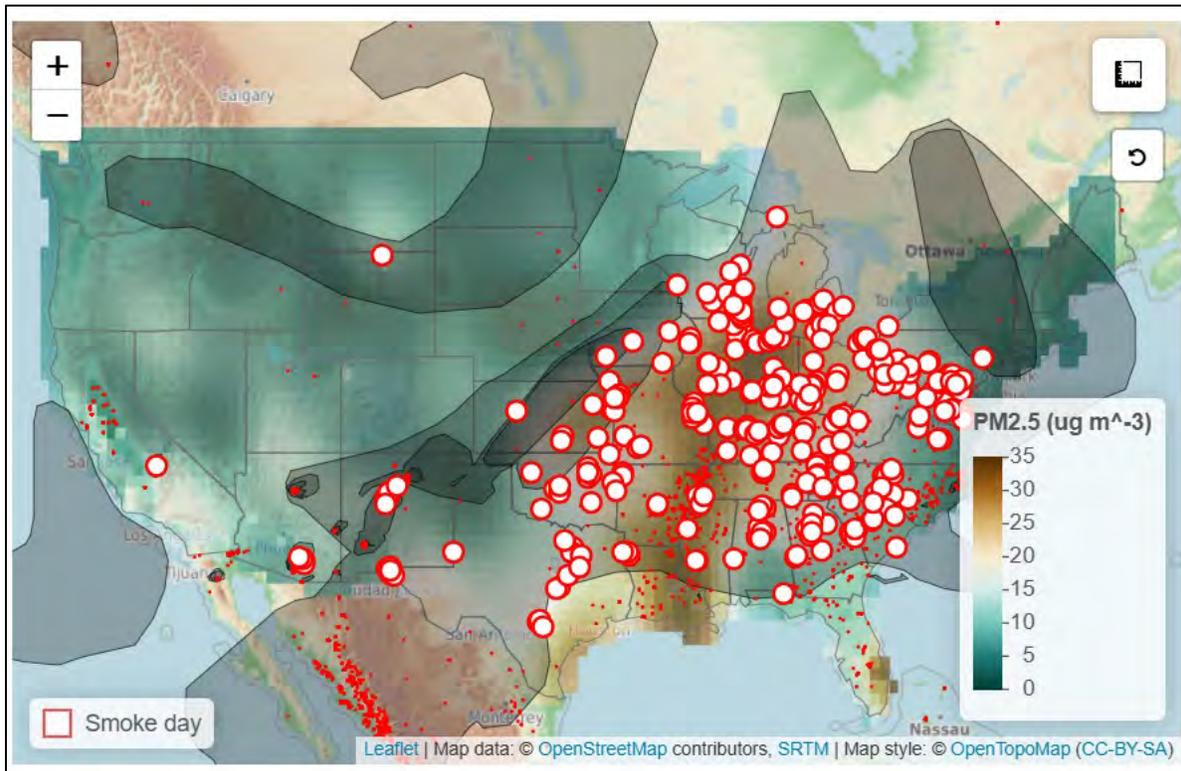
Satellite Imagery with MAIAC AOD - June 15, 2022



HRRR Smoke - Vertically Integrated Smoke - June 15, 2022



GAM PMO3 Smoke Output - June 15, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts

Tuesday, June 14, 2022

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH 0136Z June 15, 2022

SMOKE :

Southwestern/Mid-west/Eastern/Southeastern U.S...

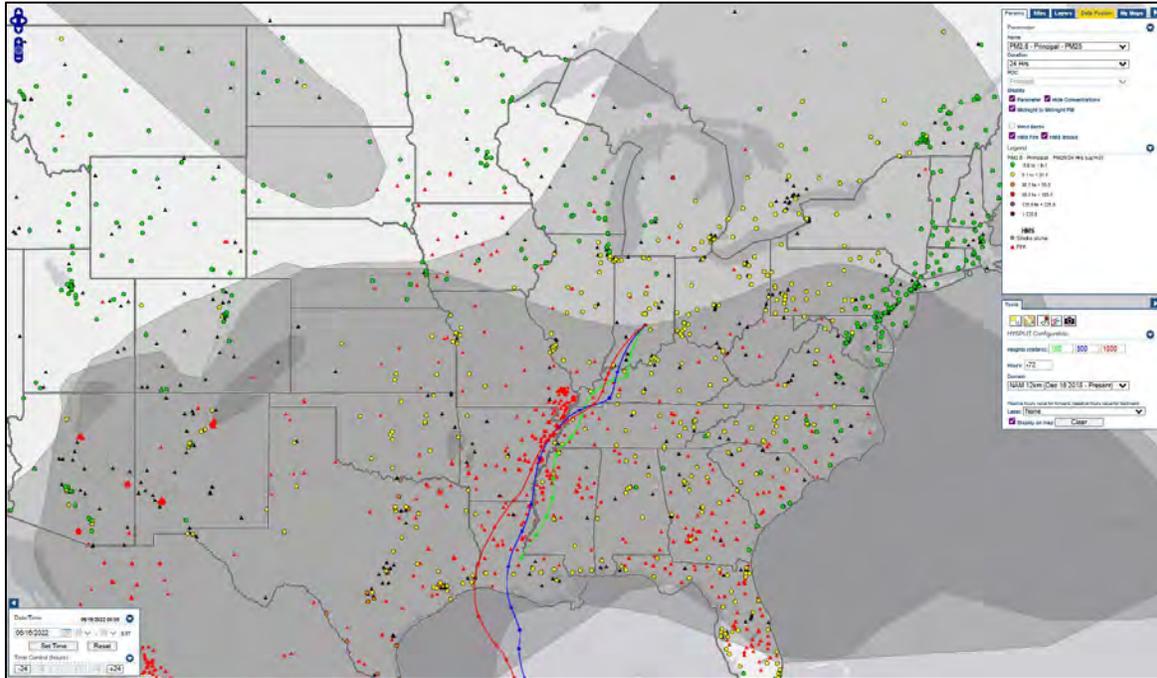
Throughout the day mostly moderate to heavy density smoke was observed from numerous wildfires in northern and southern Arizona and northern and southwestern New Mexico, with those plumes dispersing towards the northeast and into the Central and Northern Plains states. Lighter density smoke from those wildfires extended over the U.S. Midwest and combined with a large area of smoke from seasonal fires across the central and northern U.S. covering those source regions and dipping into the northern Gulf of Mexico and over the eastern United States and southeastern Canada.

Eglin

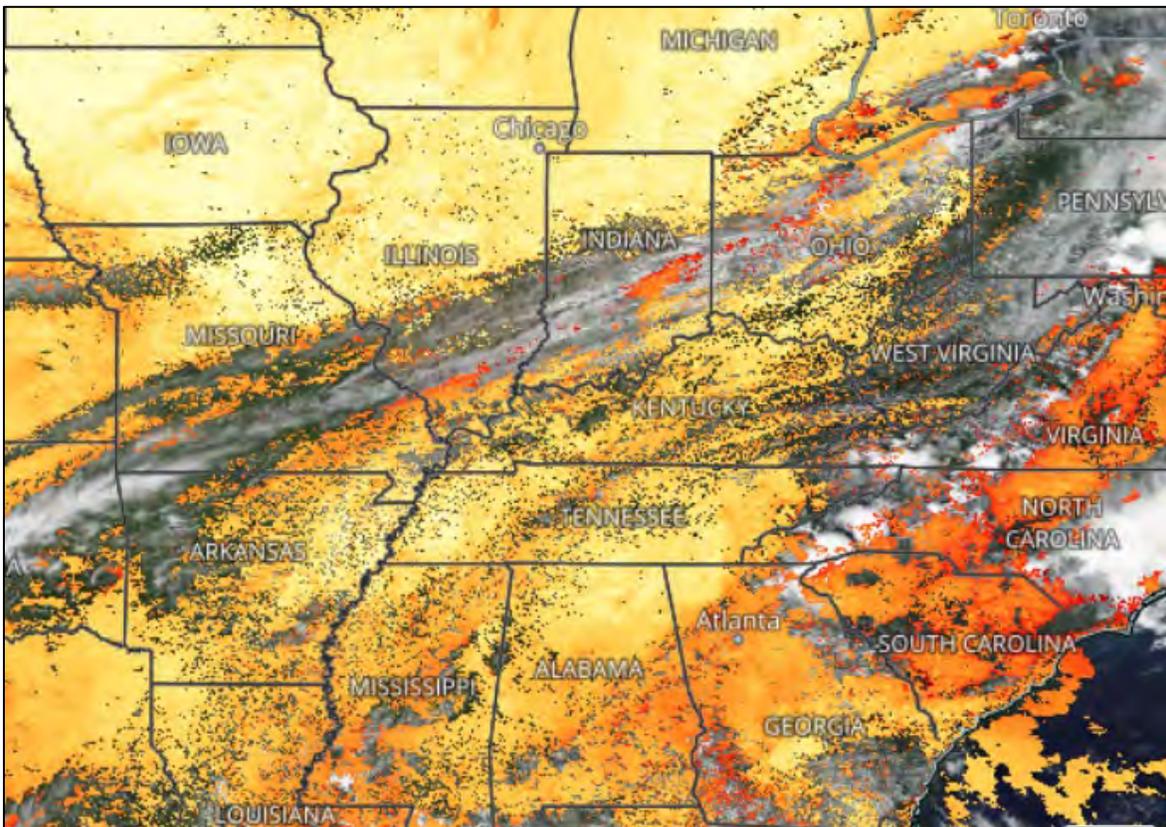
June 16, 2022**List of PM_{2.5} Monitoring Sites Impacted by Wildfire Smoke**

Monitor name	AQS ID	Date	Daily Average (µg/m³)	Tier 2 Threshold (µg/m³)
Columbus - Rocky Ford Drive	180050008	6/16/2022	18.2	13.7
Jeffersonville - Bates-Bowyer Ave	180190010	6/16/2022	22.7	17.0
Muncie - Central HS	180350006	6/16/2022	17.8	13.2
Jasper - Post Office	180372001	6/16/2022	21.5	15.7
Elkhart - Prairie St	180390008	6/16/2022	16.6	16.3
Plummer	180550001	6/16/2022	21.1	14.7
Fishers	180570007	6/16/2022	17.1	13.8
Carmel - Hazel Dell Parkway	180570008	6/16/2022	26.8	16.5
Mechanicsburg	180650003	6/16/2022	19.7	15.5
Kokomo - E. Vaile Ave	180670004	6/16/2022	16.0	14.7
Gary - Madison St	180890031	6/16/2022	16.5	16.0
Anderson - Eastside Elem	180950011	6/16/2022	17.8	15.4
Indianapolis - Washington Park	180970078	6/16/2022	18.8	17.8
Indianapolis - School 21	180970084	6/16/2022	19.5	15.5
Indianapolis - I-70 E	180970087	6/16/2022	20.6	20.5
Bloomington - Binford	181050003	6/16/2022	21.1	13.9
Lafayette - Greenbush St	181570008	6/16/2022	16.2	15.1
Evansville - U of E	181630016	6/16/2022	23.7	15.5
Evansville - Buena Vista	181630021	6/16/2022	21.6	15.1
Terre Haute - Lafayette Ave	181670018	6/16/2022	19.8	18.8

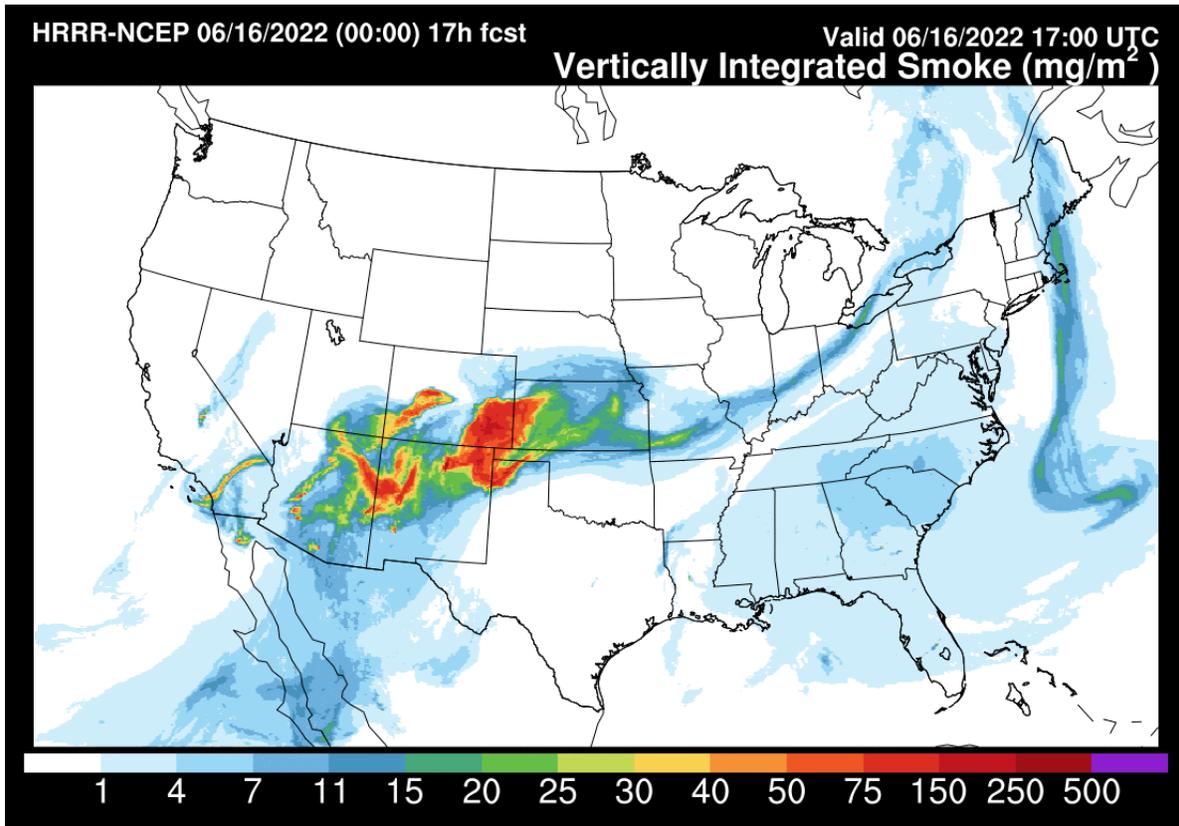
AirNow Tech Fire/HMS Smoke Map with Backward Trajectories - June 16, 2022



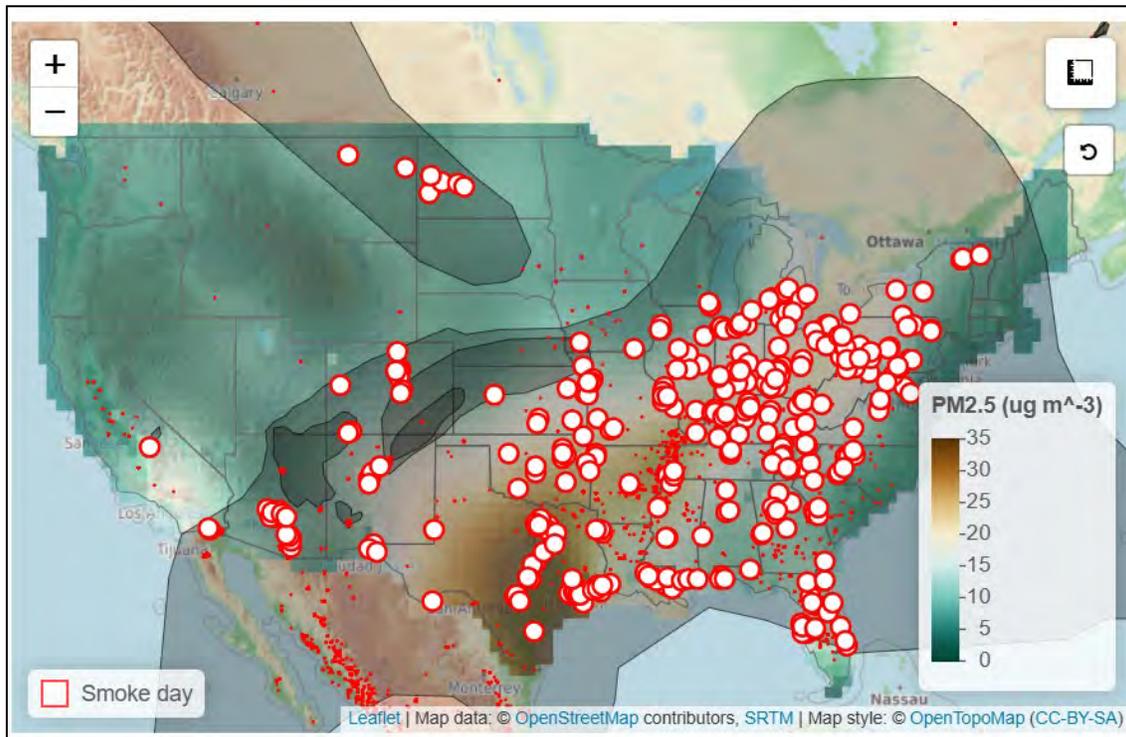
Satellite Imagery with MAIAC AOD - June 16, 2022



HRRR Smoke - Vertically Integrated Smoke - June 16, 2022



GAM PMO3 Smoke Output - June 16, 2022



NOAA Satellite Smoke – 2022 Satellite Smoke Text Excerpts**Wednesday, June 15, 2022**DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY THROUGH
0201Z June 16, 2022

SMOKE :

Eastern and Central U.S, Southeastern Canada...

A swath of varying density smoke from several larger wildfires burning in Arizona and New Mexico with contributions from seasonal burning extended from portions of Arizona and New Mexico to the northeast across the central and eastern U.S. to as far as the coastal Atlantic Ocean and southeastern Canada. Cloudiness farther to the north prevented additional information from satellite imagery on the extent of the smoke.

DUST:

Central U.S...

Earlier today: A leftover batch of thin to moderately dense blowing dust which originated yesterday in the southwestern U.S. and spread quickly to the northeast was seen this morning over northeastern Kansas, southeastern Nebraska, Iowa, Illinois, the northern half of Missouri, western Indiana, and southwestern lower Michigan. The dust may also extend farther to the north but cloudiness in that area limited information from satellite imagery.

Eglin