

THE AEROSOL REPORT

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**This information will now be integrated within the US report page.
Please refer to that page.**

**CE Carnicom
05/04/01**

**Date of Report : Wed May 03 2001
Time of Report : 0900 Mountain Daylight Time
Location: Santa Fe NM**

The probability, based upon current investigative modeling, that conditions in the southwestern United States (Albuquerque-Santa Fe) are favorable to aerosol operations is now estimated at 29%.

This report is offered for investigative purposes only to the general public, and no guarantees of reliability are stated or implied. It will be provided as circumstances permit. Using the observational history table below in conjunction with this graph, please note the association with increased moisture content and precipitation that is often evident.

A graph of the recent probability history for this same area is as follows:

		Observation Time (Local)	/DewPoint	Model RH _{min} %	Humidity %	Formation at Report/ Observation Time?	the Sky at Report/ Observation Time?		
041201	ABQ/ Santa Fe	1200/ 0900	34K/ -48.7/ -60.7	28	28	Marginal	NO	Partly Cloudy- Cumulus	No Traffic Visible
041301	ABQ/ Santa Fe	1200/ 0900	34.6K/ -51.7/ -64.7	8	19	YES	YES-Vapor	Clear	Light Traffic
041401	ABQ/ Santa Fe	1200/ 0900	36.3K/ -55.7/ -67.7	0	20	YES	YES-Vapor	Clear	Light Traffic
041501	ABQ/ Santa Fe	2400/ 1600	37.1K/ -61.3/ -71.3	0	25	YES	YES-Vapor	Clear	Light Traffic
041601	ABQ/ Santa Fe	1200/ 0900	36.5K/ -55.3/ -65.8	0	25	YES	YES-Vapor	Clear	Light Traffic
041701	ABQ/ Santa Fe	1200/ 1300	37.3K/ -58.1/ -69.1	0	22	YES	YES-Vapor	Clear	Light Traffic
041801	ABQ/ Santa Fe	1200/ 0900	36.3K/ -51.6/ -56.6	10	54	YES	Heavy aerosol activities 0830-0930	Clear in AM; Hazy PM	Numerous passes not shown on Flight Explorer- Heavy Traffic/ Vapor trails appearing at 41K-Light Traffic
041901	ABQ/ Santa Fe	1200/ 1000	35.1K/ -50.3/ -56.3	18	48	YES	Mixed aerosol and vapor	Mostly Cloudy in AM/Cumulostratus/ Afternoon clearing	Medium Traffic
042001	ABQ/ Santa Fe	1200/ 1000	34.7K/ -50.7/ -55.4	15	57	YES	Mixed aerosol and vapor	Cumulostratus early AM/Cumulus Late AM	Light Traffic
042101	ABQ/ Santa Fe	1200/ 0900	34.6K/ -52.7/ -60.7	0	38	YES	Vapor in AM/ Heavy Aerosol Activities in PM	Clear in AM/ Increasing Cumulus and Haze Mix in PM	Light Traffic AM/ Heavy Traffic PM
0422	ABQ/ Santa Fe	1200/ 0900	33.8K/ -43.3/ -60.3	67	35	NO	No visibility	Full Cloud Cover- Stratus/ Snow	No Traffic Visible
							YES-Vapor-	Clear Skies AM/	Light Traffic

0423	ABQ/ Santa Fe	1200/ 0900	35.5K/ -53.9/ -62.9	0	32	YES	Early AM Heavy Aerosol Activities in Late AM-Haze/ Vapor Trails in PM	Hazy Skies Late AM/ Cumulus and Clearing again in PM	Early AM/ Heavy Traffic Late AM/ Lite Traffic PM
0424	ABQ/ Santa Fe	1200/ 0900	34.9K/ -54.1/ -65.1	0	24	YES	YES-vapor	Clear	Light Traffic
0425	ABQ/ Santa Fe	1200/ 1000	35.1K/ -52.7/ -60.7	1	37	YES	YES-vapor	Clear	Light Traffic
0426	ABQ/ Santa Fe	1200/ 0900	35.0K/ -51.5/ -61.5	10	29	YES	YES-vapor	Heavy Haze to West at Ground Level, Significant Visibility Reduction/ AM:Increasing Alto-Cumulus/ PM:Cumulus Clouds - Unnatural Feathered Form	Light Traffic
0427	ABQ/ Santa Fe	1200/ 0900	35.0K/ -51.7/ -58.7	8	42	YES	YES-vapor trails in AM Heavy aerosol operations 1130-1300	Mostly Clear in AM-some cumulus clouds/Increasing Cumulus Clouds in Afternoon, Heavy Aerosol Activity 1130-1300 Heavy Rain in Afternoon and Night	Med Traffic in AM/ Heavy Traffic 1130-1300 No visibility from cloud cover in PM
0428	ABQ/ Santa Fe	1200/ 0900	34.9K/ -50.1/ -63.1	19	20	Marginal	YES	Vapor Trails AM/ Mostly Clear AM/ Increasing Cumulus Clouds/	Light Traffic AM Heavy Traffic Late AM
0429	ABQ/ Los Alamos	1200/ 0900	35.0K/ -50.5/ -56.5	17	48	YES	Extremely Heavy Aerosol Traffic Dominated Skies All Day	Extremely Heavy Aerosol Traffic: 100+trails from 0900-1130/ Some Cumulus Clouds in AM/ Heavy Haze from Aerosol Activity at Flight Altitude Merged with Heavy Cumulus Cloud Cover in PM	Heavy Traffic
0430	ABQ/ Santa Fe	1200/ 0900	34.9K/ -52.1/ -66.1	5	16	YES	YES-Vapor	Clear AM with white haze cast to sky	Light Traffic

0501	ABQ /Santa Fe	1200/ 0900	35.2K/ -49.9/ -61.9	21	22	Marginal	YES-occasional vapor trail Extremely Heavy Aerosol Traffic 0830- 1000 60+Trails	Extremely Heavy Aerosol Traffic in AM/ Heavy Haze at Ground Level and Flight Altitude/Clear skies in PM; insufficient moisture for cloud base	Heavy Aerosol Traffic in AM/ Light Vapor Trail Traffic Throughout Day/ Numerous passes not shown on Flight Explorer in AM
0502	ABQ/ Santa Fe	1200 /0900	34.9K/ -51.5/ -63.5	9	22	YES	Mixed Aerosol and Vapor	High Clouds and Haze in AM; Increasing Clouds in PM Cumulo-Stratus by Late Afternoon	Moderate Traffic
0503	ABQ/ Santa Fe	1200/ 0900	34.5K/ -54.1/ -64.1	0	28	YES	Vapor	Cumulus and Haze	Light Traffic
0504	ABQ/ Santa Fe	1200/ 0900	34.5K/ -51.9/ -58.9	6	42	YES	No Visibility	Full Cloud Cover/ Some Rain	
0507				10	33	YES	Vapor	Clear Occasional Cumulus	Light Traffic

This report is based upon recent research that is attempting to model the conditions that are favorable or unfavorable to aerosol operations. This model and research is to be considered as preliminary, and it will be modified as necessary according to further findings and analysis.

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