

## **Candidate Episodes**

July 11-12, 1999	Cluster 1
June 15, 2000	Cluster 2
July 31, 2000	Cluster 2
July 9-10, 2002	Cluster 1

## **Transport Trajectory Analysis**

1. For each of the four candidate episodes, we expanded the date range by 2 days before and 2 days after the episode period.
2. For each expanded episode days, we identified all stations in the Central Valley and Monterey area with ozone exceedances.
3. For each of these stations, we identified the hour of maximum ozone. These station locations and times defined the initial points for each back trajectory.
4. For all these initial points, 24- and 48-hour back trajectories were computed.

Episode	Sacramento		San Joaquin		Monterey Area	
	24-hour	48-hour	24-hour	48-hour	24-hour	48-hour
7/11-12/99	7/10	9/10	2/7	5/7	0/0	0/0
6/15/00	0/1	0/1	0/5	0/5	0/0	0/0
7/31/00	2/2	2/2	1/3	3/3	0/0	0/0
7/9-10/02	3/4	3/4	4/14	8/14	1/1	1/1
Total	9/17	11/17	7/29	16/29	1/1	1/1

Table 1. The ratios of the number of back trajectories passing through the Bay Area to the total number computed. The 24- and 48-hour columns indicate the ratios for the 24- and 48-hour back trajectories, respectively. Sacramento Valley includes Stockton area. San Joaquin Valley includes Merced County area.









