

Answer Key

Note: This exam was administered at the 1997 NSO Finals held at North Carolina State University as part of the “Dynamic Planet” event.

- 3a. Warm front moved in; high temperatures; high pressure; light cloud cover; wind calm.
- 3b. Bucked trend. Winds increased; temperature increased; remained cloudy.
- 4a. low/high
- 4b. warm

Table I: Weather Data for May 1, 1997

Station	Temp.	Wind Speed	Wind Direction	%Cloud Cover	Dew Point	Barometric Press.	Weather
DDC	67 °F	30 kts	SSE	Missing	48 °F	1000.0 mb	
MPX	58 °F	5 kts	W or WSW	25 %	27 °F	1009.3 mb	
ILX	50 °F	5 kts	N	0 %	34 °F	1011.3 mb	
GRB	56 °F	10 kts	NW	0 %	36 °F	1007.8 mb	

Table II: Weather Data for May 2, 1997

Station	Temp.	Wind Speed	Wind Direction	%Cloud Cover	Dew Point	Barometric Press.	Weather
DDC	57 °F	35 kts	NW	100 %	34 °F	1005.4 mb	
MPX	50 °F	5 kts	E	100 %	45 °F	1008.3 mb	Light rain
ILX	51 °F	10 kts	SSE	100 %	51 °F	1001.9 mb	
RAP	42 °F	20 kts	NNW	100 %	37 °F	1016.8 mb	Light rain

Table III: Weather Data for May 5, 1997

Station	Temp.	Wind Speed	Wind Direction	%Cloud Cover	Dew Point	Barometric Press.	Weather
DDC	75 °F	20 kts	S or SSW	0 %	48 °F	1014.4 mb	
MPX	67 °F	10 kts	W or WSW	75 %	27 °F	1012.2 mb	
ILX	64 °F	5 kts	W or WSW	0 %	37 °F	1019.4 mb	
RAP	60 °F	15-20 kts	W	0 %	34 °F	1009.3 mb	

To obtain a weather packet containing the 2001 Colorado Regional and National Exams, visit the following website. <http://www.otherworlds-edu.com>