

# Appendix

## F

### Heat & Cold Index

## HEAT & Cold INDEX CHART

### HEAT IDEX Usage:

1. Select the row indicating the current temperature to the nearest 2 degrees;
2. Select the column indicating the humidity to the nearest 10%;
3. Find the value for the Hematuria (or Heat Stress Index) at the intersection of the selected row and column: That number will be the temperature that it will "feel" like. Example: A temperature of 95 and relative humidity of 50% will "feel" like 107 degrees.
4. **Add** 10 degrees to this number for operations in which turn-out gear is worn;
5. **Add** an additional 10 degrees for operations in direct sunlight, or for firefighting evolutions.

<i>Heat Stress Index</i>									
Relative Humidity									
°F	10%	20%	30%	40%	50%	60%	70%	80%	90%
104	98	104	110	120	132				
102	97	101	108	117	125				
100	95	99	105	110	120	132			
98	93	97	101	106	110	125			
96	91	95	98	104	108	120	128		
94	89	93	95	100	105	111	122		
92	87	90	92	96	100	106	114	122	
90	85	88	90	92	96	100	106	114	122
88	82	86	87	89	93	95	100	106	115
86	80	84	85	87	90	92	96	100	109
84	78	81	83	85	86	89	91	95	99
82	77	79	80	81	84	86	89	91	95
80	75	77	78	79	81	83	85	86	89
78	72	75	77	78	79	80	81	83	85
76	70	72	75	76	77	77	77	78	79
74	68	70	73	74	75	75	75	76	77
<b>NOTE:</b>	Add 10°F when protective clothing is worn. Add 10°F when in direct sunlight.								

Humiture °F	Danger Category	Injury Threat
Above 130°	EXTREME DANGER	Heat stroke imminent!
105° to 130°	DANGER	Heat cramps or exhaustion likely, heat stroke possible if exposure is prolonged and there is physical activity.
90° to 105°	EXTREME CAUTION	Heat cramps and heat exhaustion possible if exposure is prolonged and there is physical activity.
80° to 90°	CAUTION	Fatigue possible if exposure is prolonged and there is physical activity.
Below 80°	NONE	Little or no danger under normal circumstances.

WIND CHILL CHART



# NWS Windchill Chart

