Meteorology Conversion Factors Table

TO CONVERT FROM	DO THIS
Atmospheres (atm) to inches of mercury @32°F (inHg32)	(atm) * 29.9213 = (inHg32)
Atmospheres (atm) to inches of mercury @60°F (inHg60)	(atm) * 30.0058 = (inHg60)
Atmospheres (atm) to millibars (mb)	(atm) * 1013.25 = (mb)
Atmospheres (atm) to pascals (Pa)	(atm) * 101325 = (Pa)
Atmospheres (atm) to pounds/square inch (lb/in**2)	(atm) * 14.696 = (lb/in**2)
Degrees Celsius (C) to degrees Fahrenheit (F)	[(C) * 1.8] + 32 = (F)
Degrees Celsius (C) to Kelvin (K)	(C) + 273.15 = (K)
Degrees Celsius (C) to degrees Rankine (R)	[(C) * 1.8] + 491.67 = (R)
Degrees Fahrenheit (F) to degrees Celsius (C)	[(F) - 32)] * 0.555556 = (C)
Degrees Fahrenheit (F) to Kelvin (K)	[(F) * 0.555556] + 255.37 = (K)
Degrees Fahrenheit (F) to degrees Rankine (R)	(F) + 459.67 = (R)
Kelvin (K) to degrees Celsius (C)	(K) - 273.15 = (C)
Kelvin (K) to degrees Fahrenheit (F)	[(K) - 255.37] * 1.8 = (F)
Kelvin (K) to degrees Rankine (R)	(K) * 1.8 = (R)

Degrees Rankine (R) to degrees Celsius (C)	[(R) - 491.67] * 0.555556 = (C)
Degrees Rankine (R) to degrees Fahrenheit (F)	(R) - 459.67 = (F)
Degrees Rankine (R) to Kelvin (K)	(R) * 0.555556 = (K)
Hectopascals (hPa) to millibars (mb)	Nothing - they are equivalent units
Inches of mercury @32°F (inHg32) to atmospheres (atm)	(inHg32) * 0.0334211 = (atm)
Inches of mercury @32°F (inHg32) to millibars (mb)	(inHg32) * 33.8639 = (mb)
Inches of mercury @32°F (inHg32) to pounds/square inch (lb/in**2)	(inHg32) * 0.49115 = (lb/in**2)
Inches of mercury @60°F (inHg60) to atmospheres (atm)	(inHg60) * 0.0333269 = (atm)
Inches of mercury @60°F (inHg60) to millibars (mb)	(inHg60) * 33.7685 = (mb)
Inches of mercury @60°F (inHg60) to pounds/square inch (lb/in**2)	(inHg60) * 0.48977 = (lb/in**2)
Kilopascals (kPa) to millibars (mb)	(kPa) * 10 = (mb)
Millibars (mb) to atmospheres (atm)	(mb) * 0.000986923 = (atm)
Millibars (mb) to hectopascals (hPa)	Nothing - they are equivalent units
Millibars (mb) to inches of mercury @32°F (inHg32)	(mb) * 0.02953 = (inHg32)
Millibars (mb) to inches of mercury @60°F (inHg60)	(mb) * 0.02961 = (inHg60)
Millibars (mb) to kilopascals (kPa)	(mb) * 0.1 = (kPa)
Millibars (mb) to millimeters of mercury @32°F (mmHg)	(mb) * 0.75006 = (mmHg)

Millibars (mb) to millimeters of mercury @60°F (mmHg)	(mb) * 0.75218 = (mmHg)
Millibars (mb) to newtons/square meter (N/m**2)	(mb) * 100 = (N/m**2)
Millibars (mb) to pascals (Pa)	(mb) * 100 = (Pa)
Millibars (mb) to pounds/square foot (lb/ft**2)	(mb) * 2.088543 = (lb/ft**2)
Millibars (mb) to pounds/square inch (lb/in**2)	(mb) * 0.0145038 = (lb/in**2)
Millimeters of mercury @32°F (mmHg) to millibars (mb)	(mmHg) * 1.33322 = (mb)
Millimeters of mercury @60°F (mmHg) to millibars (mb)	(mmHg) * 1.32947 = (mb)
Newtons/square meter (N/m**2) to millibars (mb)	(N/m**2) * 0.01 = (mb)
Pascals (Pa) to atmospheres (atm)	(Pa) * 0.000009869 = (atm)
Pascals (Pa) to millibars (mb)	(Pa) * 0.01 = (mb)
Pounds/square foot (lb/ft**2) to millibars (mb)	(lb/ft**2) * 0.478803 = (mb)
Pounds/square inch (lb/in**2) to atmospheres (atm)	(lb/in**2) * 0.068046 = (atm)
Pounds/square inch (lb/in**2) to inches of mercury @32°F (inHg32)	(lb/in**2) * 2.03602 = (inHg32)
Pounds/square inch (lb/in**2) to inches of mercury @60°F (inHg60)	(lb/in**2) * 2.04177 = (inHg60)
Pounds/square inch (lb/in**2) to millibars (mb)	(lb/in**2) * 68.9474483 = (mb)