15 August 1988:psrwksht

PRESSURE OBSERVATION WORKSHEET

Α.	Mercurial Barometer	
	1. Reading the barometer	
	Height of mercury in the column:	_ mb / mm / inches
	(Circle units used; read mb and mm to tenths, inches to hundredths)	•
	Temperature of the column: oC / oF	
	(Read to nearest tenth of a degree)	
	2. Correction for temperature of the column and scale	
	From Table 2: <u>.</u>	
	(Two-way interpolation required)	
	(Net correction for temperature effects for all T > OoC is to be subtracted from observed height)	
	3. Correction for local gravity	
	Latitude:oN	
	From Table 3: +/ <u>.</u>	<u>-</u>
	(Two-way interpolation required)	
	(Correction is subtractive between 0 and 45032'40"N; additive between 45032'40" and 90 oN)	
	4. Station Pressure:	mb / mm / inches
Conv	rersions: 1 mb = 0.750 mm HG = 0.030 inches Hg 1 mm Hg = 0.039 inches Hg = 1.33 mb 1 inch Hg = 33.86 mb = 25.40 mm Hg	
	<u> </u>	mb / mm / inches
	(Conversions should be made to mercurial readings only after corrections have been made)	

В.	Aneriod Barometer				
	Station Pressure:	-	mb / r	mm / i	nches
Conv	versions: 1 mb = 0.750 mm HG = 0.030 inches Hg 1 mm Hg = 0.039 inches Hg = 1.33 mb 1 inch Hg = 33.86 mb = 25.40 mm Hg				
			mb / r	nm / i	nches
**** C.	**************************************		*****	*****	****
	Height of Station Above MSL (zo): m				
	Local Gravitational Acceleration (g):m	n/s2			
	Current Air Temperature:	C /	oF		
	Air Temperature 12 Hours Previous: oC	2 /	oF		
- -	Mean Air Temperature (\overline{T}):	(
	Scale Height H = $287.0(\overline{T}/g) = $ m				
	p-sea level = p-station exp (zo/H) =	_ mb	/ mm	/ inc	hes
**** D.	**************************************	***	*****	****	****
	Height of Station (zo): m / ft				
	Correction From Table: mb / mm / inches				
	(one-way interpolation required)				
	p-sea level = mb / mm / inches				