

The Experiments of Weather Instruments & Observations lab.

(First Semester)

ASD / 2nd Stage

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Preparing by: L. Nagham T. Ibraheem, L. Ruaa M. Ibraheem

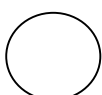
Standard level 1000 (hpa):

00h₁h₁h₁ T₁T₁T_{a1}D₁D₁ d₁d₁d₁f₁f₁



This level is close to the surface of the station and represents the lower part of the troposphere (a layer extending from the surface of the earth to 12 km during which most weather events occur) close to the surface of the earth, the record height of this level is (113 gpm), and its average temperature is (14.3 °C).

The pressure is written on the station as it is in the code.

00240 \Rightarrow 

TTAA 73121							
40580	00202	11825	32509	40375	00195	12864	32012
17240	00167	19242	14514	62414	00142	13687	30010

Standard level 850 (hpa):

85h₂h₂h₂ T₂T₂T_{a2}D₂D₂ d₂d₂d₂f₂f₂



The standard altitude for this level is (1457 gpm), and its average temperature is (5 °C).

To calculate the value of the real height, add the number **1** to the height from **the left side**. In the case of drawing on the station, the value is written as it is in the code.

85535 \Rightarrow 1535 \Rightarrow down \Rightarrow 535
 85573 \Rightarrow 1573 \Rightarrow down \Rightarrow 573

TTAA 73121							
40580	85583	03440	27517	40375	85578	08256	29612
17240	85514	05518	04011	62414	85616	04679	17003

Standard level 700 (hpa):

70h₃h₃h₃ T₃T₃T_{a3}D₃D₃ d₃d₃d₃f₃f₃



The standard altitude for this level is (3043 gpm), and its average temperature is (-4.6 °C).

To calculate the value of the ***real height*** of this level, add the number 2 to the left if the height values after the number 70 are (5,6,7,8,9), and add the number 3 to the left if the height values after the number 70 are (0,1,2,3 ,4), and in the case of drawing on the station, write the value as it is in the code.

70149 \Rightarrow 3149 \Rightarrow 149 down

70621 \Rightarrow 2621 \Rightarrow 621 down

TTAA 73121							
40580	70162	03316	29019	40375	70633	11958	26006
17240	70421	05364	15025	62414	70856	15338	06005