

The Experiments of Weather Instruments & Observations lab.

(First Semester)

ASD / 2nd Stage

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**Lecturers: L. Ruaa mazin , L. Hasan
mahmood, A.L. Yasamin qusay**

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

Tropopause:

88P_tP_tP_t T_tT_tT_{at}D_tD_t d_td_td_ff_t ←

The values of atmospheric pressure around the station circuits are set in tenths of a millibar, provided that the decimal point is set before the tenths of the pressure values. In the case of drawing on the station, the value of tenths is written if the pressure is above 100 hps.

88275 ⇒ 27.5 real pressure ⇒ 27.5 down

88131 ⇒ 131 real pressure ⇒ 13.1 down

TTAA 73121	TTAA 16061
40580 88187 63122 32115	40375 88206 65361 25030
17240 88213 64541 05030	62414 88101 58181 22608

Maximum wind:

It is given in one of the following forms:

77P_mP_mP_m d_md_md_ff_m ←

Given if the device is stable in sending data.

66P_mP_mP_m d_md_md_ff_m ←

It is given if the device enters a region of maximum winds, and then the balloon explodes.

77999 ←

Fixed numbers indicate the absence of maximum winds.

The values of atmospheric pressure around the station circuits are fixed in tenths of a millibar, provided that the decimal point is set before the tenths of the pressure values.

77255 \Rightarrow 25.5 real pressure \Rightarrow 25.5 drown

TTAA 73121	TTAA 16061
40580 77234	40375 77202
17240 77179	62414 77114

Wind shear:

It is given optionally and written in the following form:

$$4V_b V_b V_a V_a$$



$V_b V_b$ The absolute value of the difference between the maximum wind speed and the wind blowing (1km) below the maximum speed level.

$V_a V_a$ is the absolute value of the difference between the maximum wind speed and the wind blowing (1km) above the maximum speed level.