The Experiments of Weather Instruments & Observations lab.

(First Semester)

ASD / 2nd Stage

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Tropopose:

$$88P_tP_tP_t \quad T_tT_tT_{at}D_tD_t \quad d_td_td_tf_tf_t \qquad \leftarrow$$

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 $\implies$ 27.5 real preasure $\implies$ 27.5 drown

88131 $\implies$ 131 real preasure $\implies$ 13.1 drown

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:

$$77P_mP_mP_m \quad d_md_md_mf_mf_m \qquad \leftarrow$$

Given if the device is stable in sending data.

$$66P_mP_mP_m \quad d_md_md_mf_mf_m \qquad \leftarrow$$

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

$$77999 \qquad \leftarrow$$

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 $\implies$ 25.5 real preasure $\implies$ 25.5 drown

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

Wind sheer:

It is given optionally and written in the following form:

$$4V_bV_bV_aV_a \qquad\qquad \leftarrow$$

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

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