VENUS ATMOSPHERE MODIFICATION & CHANGE MECANISM OF IT

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There are by two balloons were investigated Venus atmosphere and have provided by the data about a pressure, a temperature and a wind. There were processed the first 10 hour of descent (~500 samples with a time interval of numbering in 75.4s). High correlation between pressure and temperature and negative correlation between a wind and pressure is revealed. Fading pressure fluctuations which can be connected with density border in an atmosphere (560 related un. observed).

However, variations of pressure on the second balloon have no such fading fluctuations. These features connect to a mountain ridge and a flat relief. Correlation between variations of temperature of quiet sites of 1-st and 2-nd balloons is significant negative (K0 = - 0.5) with delay of signal 1-st balloon concerning 2-nd on 1hour. The spectrum of pressure wind variation for 1-st balloon has two spectral peaks on the periods about 2 and 1-st hour and the spectrum of a wind has only one on the period 2.14 hour that contradicts the basic role of spreading surface.

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