

For Release  
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Observations for air traffic! The growth of air navigation demanded more weather observations, and as airplanes navigated three-dimensional space, a great part of the increased number of observations are of the upper air. Observations for air traffic are of three kinds: (1) surface observations including heights of clouds and visibility taken at about 350 stations many of which are on the airways, (2) wind speed and direction at various levels up to 14000 feet by watching free balloons with a theodolite, and (3) observations of pressure, temperature and humidity taken and transmitted automatically to ground by instruments carried aloft by 6-foot balloons.

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