BASIS FOR THE APPROACH

Steps:

1. $p_t = p + q$ is accurate
2. Errors in p and q arise from error at static sources
3. Find Δq required to match LAMS; hence Δp
4. Refinements for accuracy

Adjustments

- correct because p enters the prediction of Δp
- calculate humidity influences on R_a, C_p, C_v, $\gamma = c_p/c_v$
- correct for offset angle of LAMS
- recalculate T using corrected pressures