



The Boundary Layer Late Afternoon and Sunset Turbulence project

Workshop 8-9 February, Wageningen



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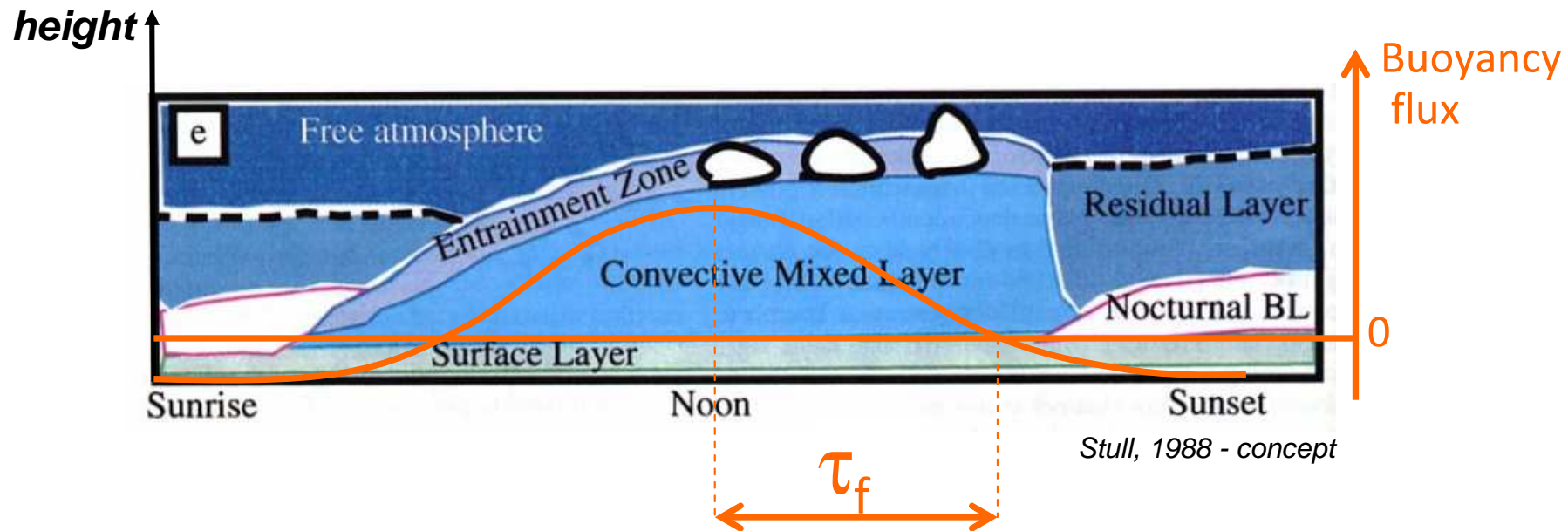
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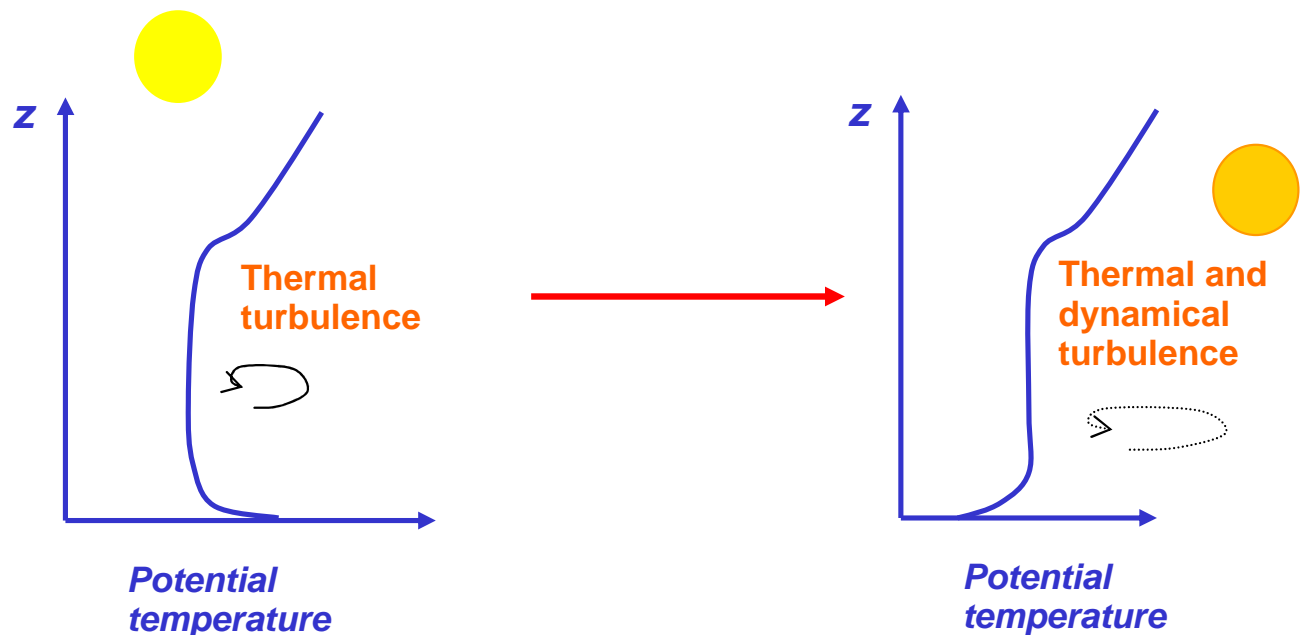
Institute of
Aerospace Systems



Late afternoon transition issue

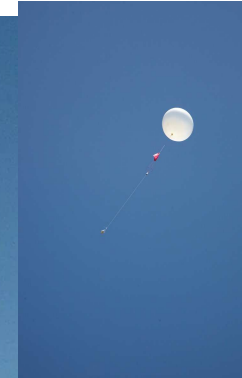


- Progressive ceasing of the surface heating
- Stabilization starting from surface
- Thermal -->> dynamical turbulence
- Period that is difficult to explore and model



The field experiment

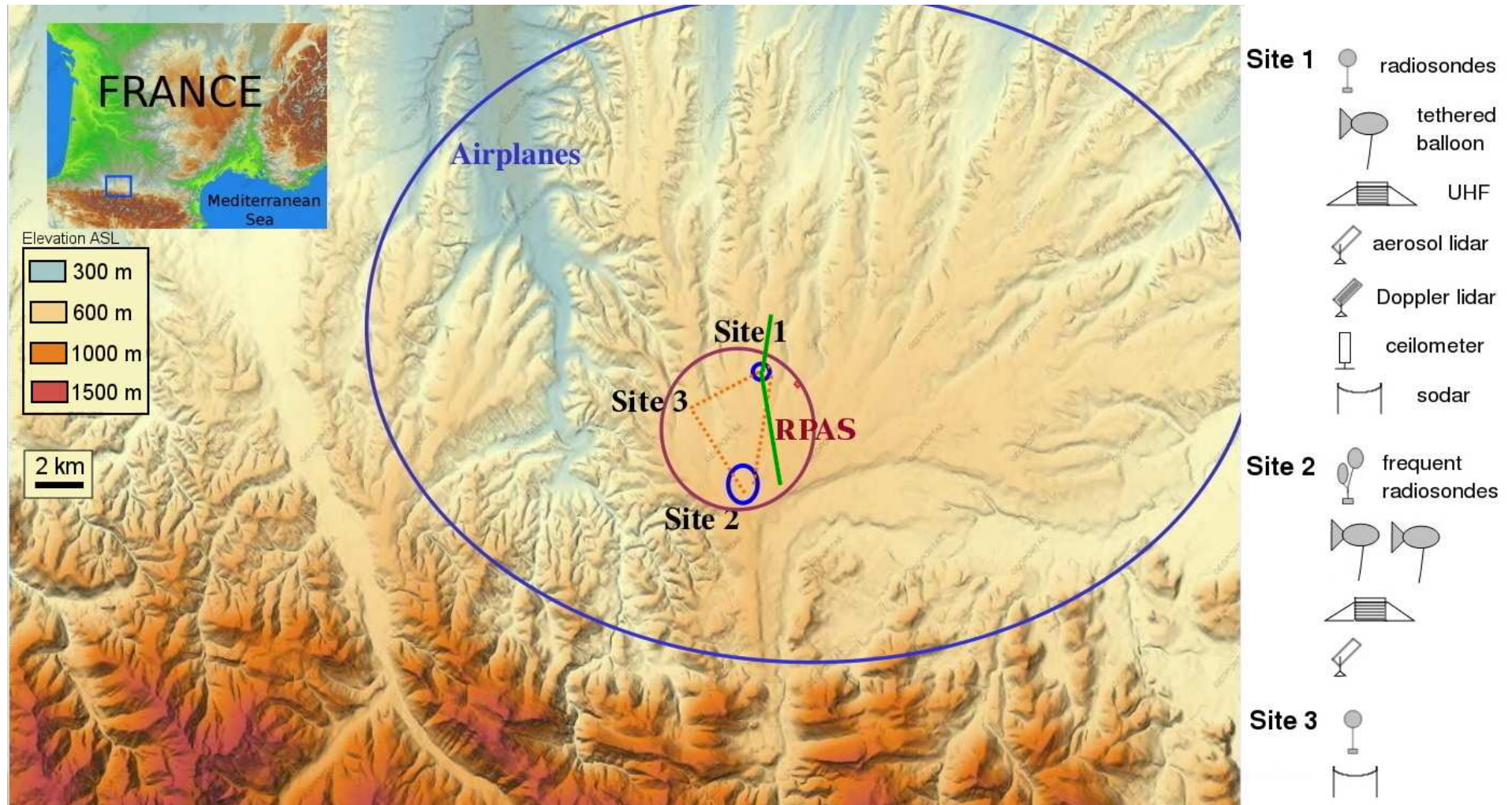
14 June – 8 July 2011 in SouthWest France
Centre de Recherches Atmosphériques,
Observatoire Midi-Pyrénées



Instrumented towers
Tethered- and sounding- balloons
Manned and unmanned airplanes
Remote sensing: UHF, sodar, lidar, scintillometers

The field experiment

Vertical structure, Spatial variability
Intensified during afternoon until sunset



Main goal and programme



Monday

- Results of the ongoing intercomparison exercise with 4 mesoscale models involved, discussion, definition of next steps
- Toward a better understanding of the mesoscale forcings
- Overview of the main results of process studies in the boundary layer and surface layer, conclusions drawn, integration with intercomparison exercise

Tuesday

- Other studies directly related to BLLAST issue or dataset
- Studies undirectly related to BLLAST issue
- Wrap up discussion: synthesis of previous discussions and decisions, perspectives