

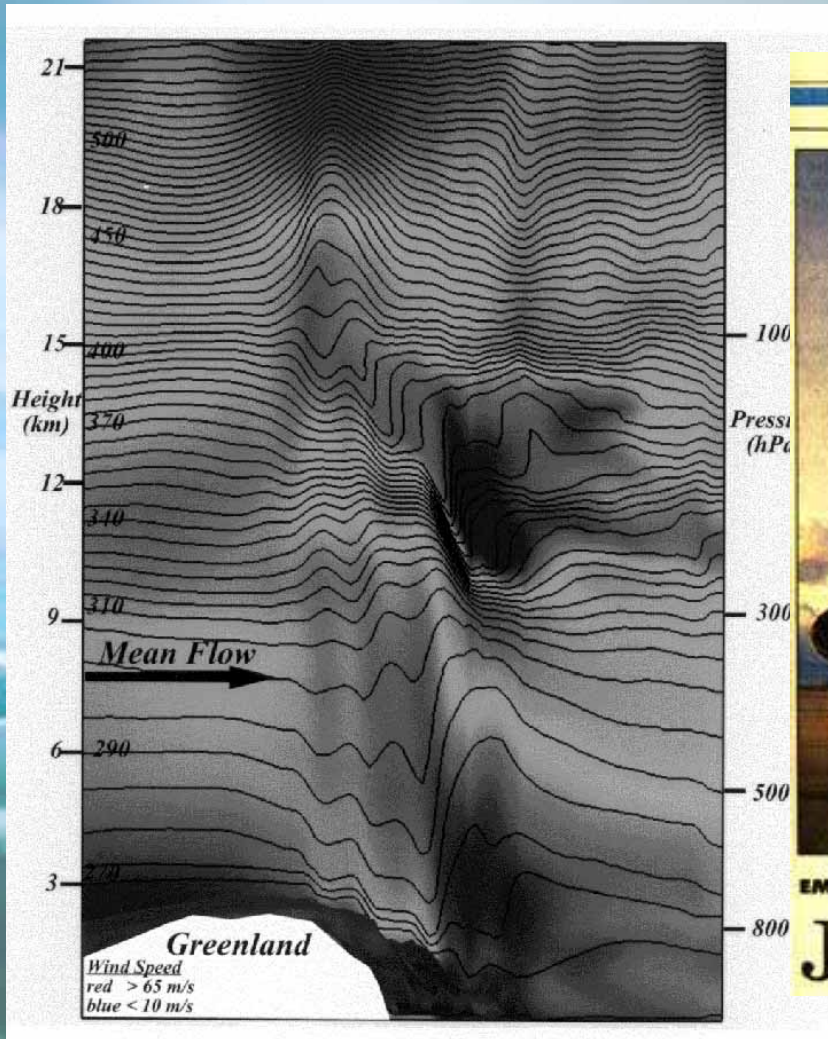
Mountain Wave Project(s)

update 2004



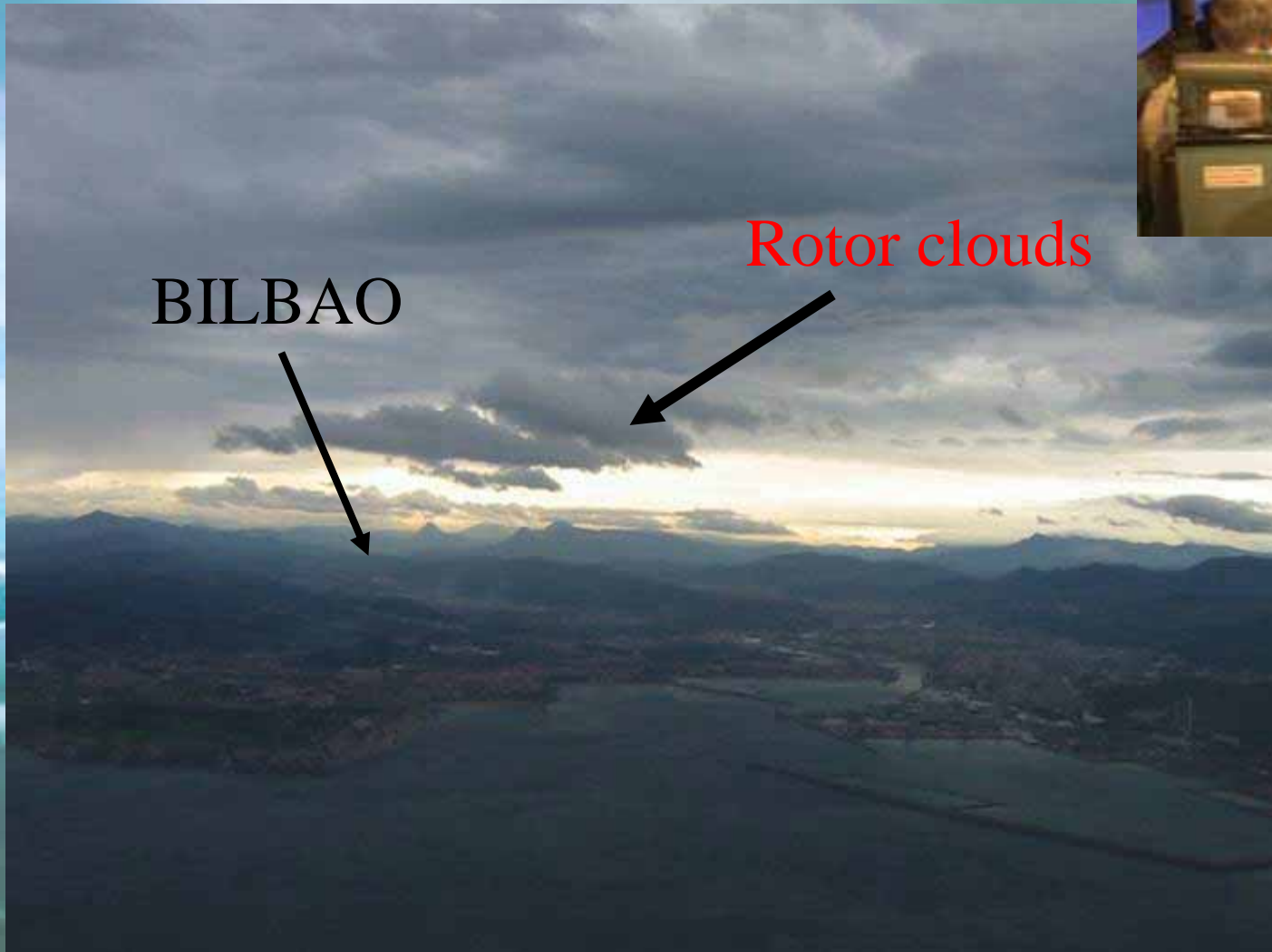
Mountain Waves in an Airliner- History

Up high: in den flight levels – an unexpected Rodeo



Mountain Waves in an Airliner- Reality

BILBAO- arrival through the rotor line (27th Oct 2004)



BILBAO

Rotor clouds

LH B737
Captn. Schramme

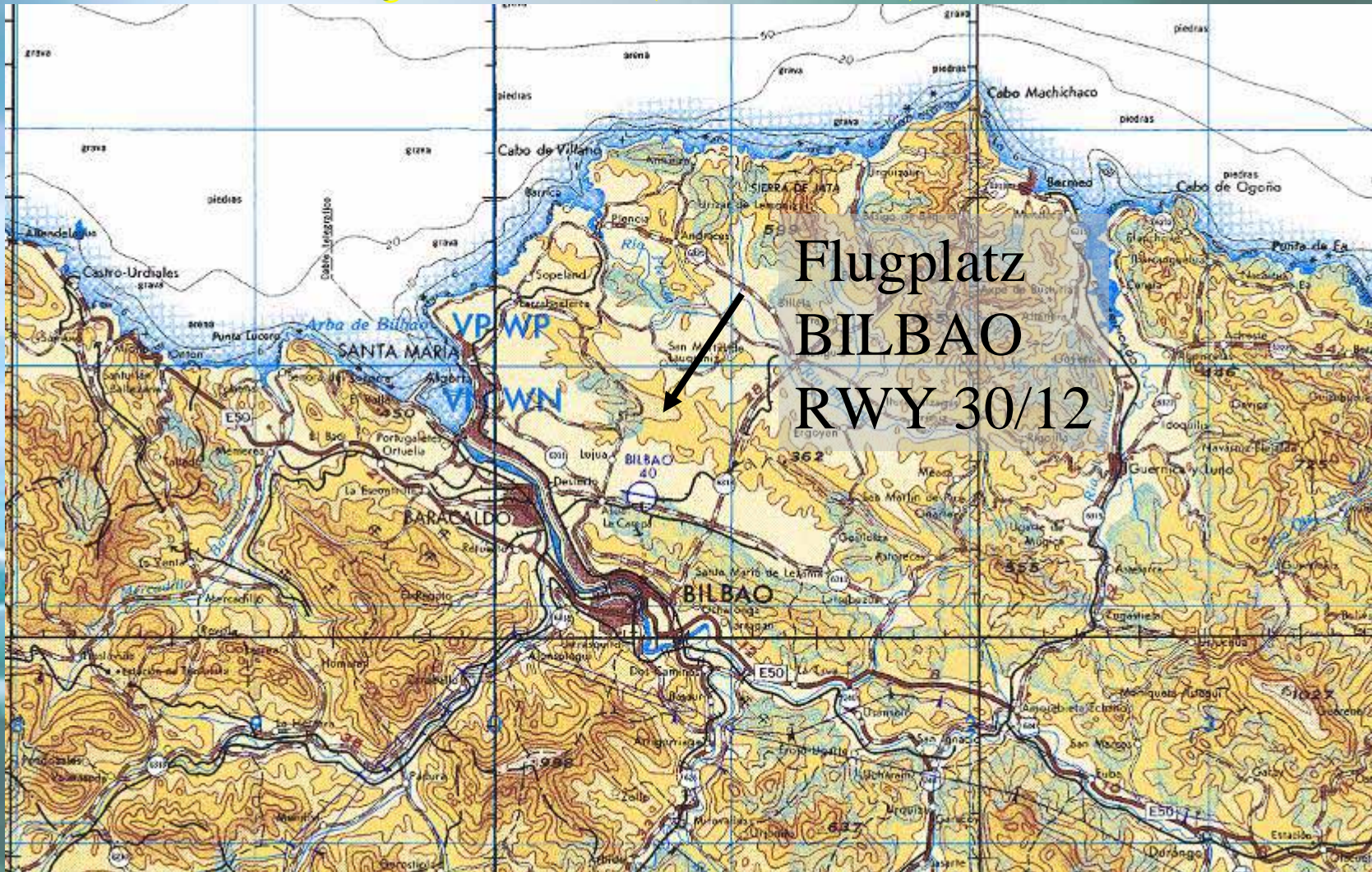
pilot report:

10 NM inbound
BILBAO RWY 12
severe turbulence!

20-30 kt speed
fluctuation

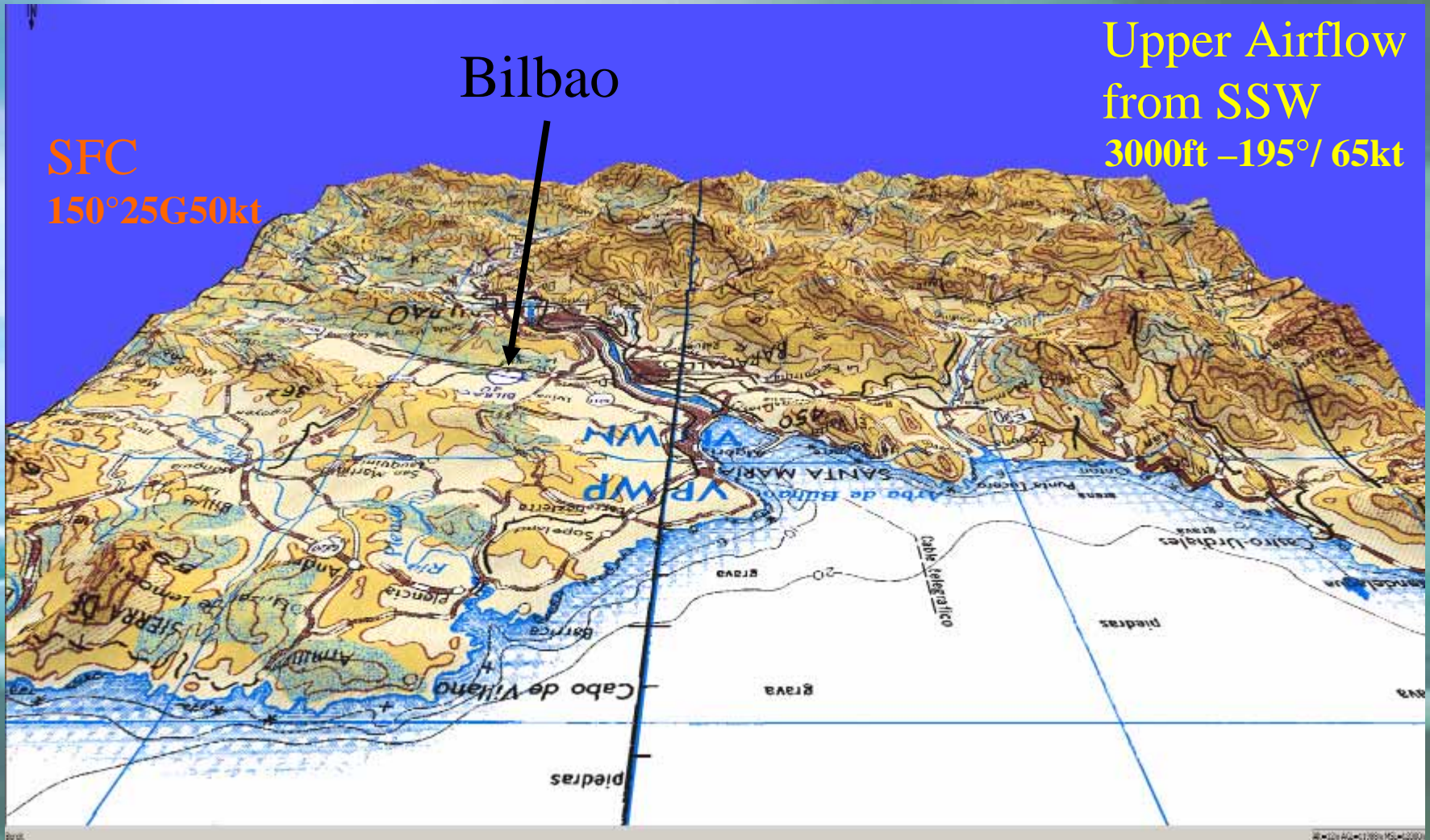
Mountain Waves in an Airliner- Reality

BILBAO- arrival trough the rotor line (27th oct of 2004)



Mountain Waves in an Airliner- Reality

BILBAO- arrival trough the rotor line (27th oct of 2004)



Mountain Waves in an Airliner- Reality

BILBAO- arrival trough the rotor line (27th oct of 2004)



Mountain Waves in an Airliner- Reality

BILBAO- arrival trough the rotor line (27th oct of 2004)



Mountain Waves in an airliner- Reality

BILBAO- arrival trough the rotor line (27th oct of 2004)



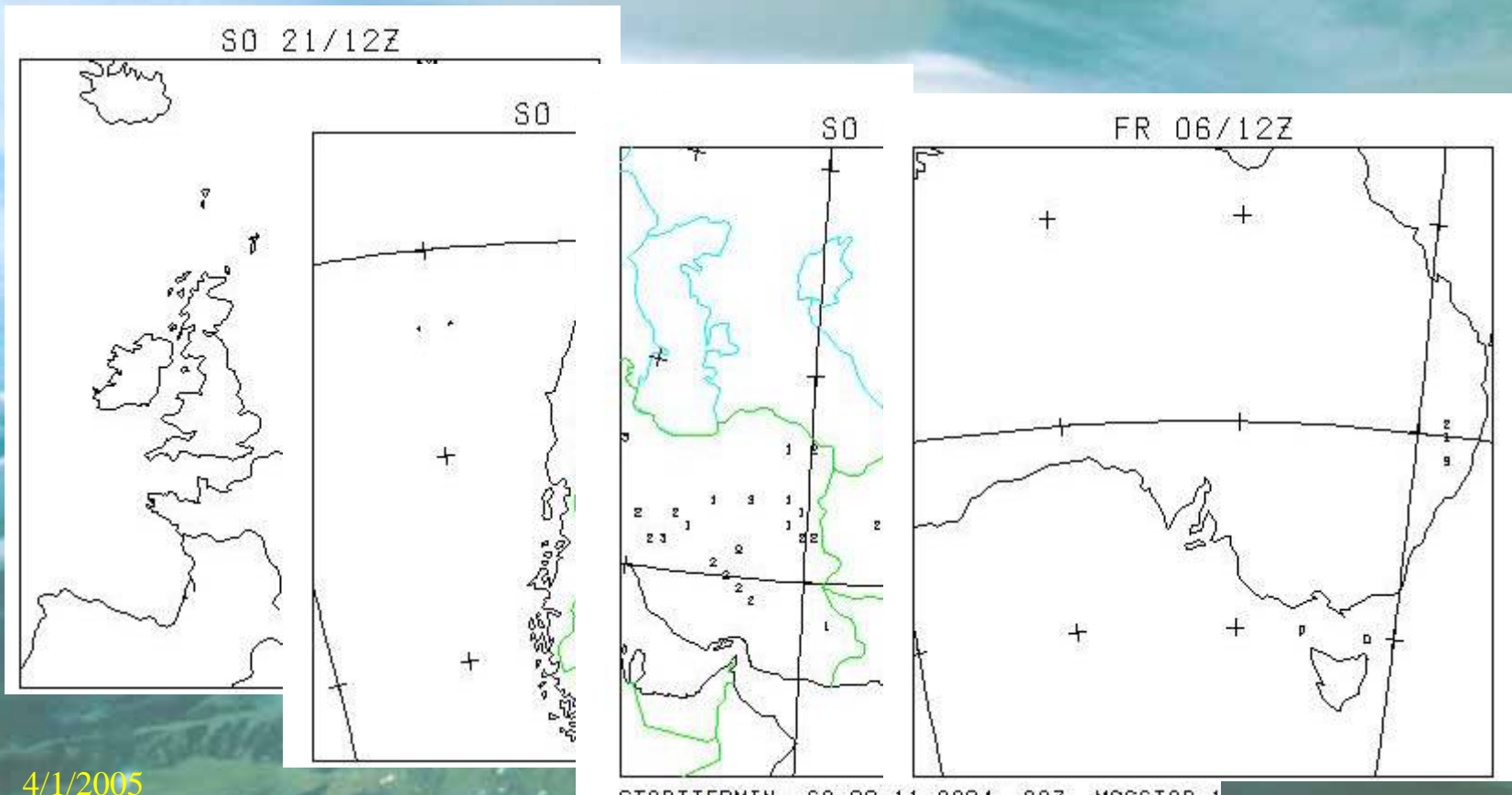
Mountain Waves: the rotor forecast

The screenshot shows a web browser window with the URL <http://www.mountain-wave-project.de/>. The browser's address bar and navigation buttons (Back, Forward, Reload, Stop) are visible. A yellow box highlights the URL www.mountain-wave-project.de with a red arrow pointing to the address bar. The website's logo, "Mountain Wave Project", is displayed in the top left corner. Below the logo, the word "Inhalt" is followed by a UK flag icon. A vertical navigation menu on the left side contains the following items, each with a blue arrow icon: [MWP-Beschreibung](#), [MWP-News 2003](#), [Argentinien '99](#), [Personen](#), [Fluggerät](#), [Pilotenberichte](#), [Flugweg](#), [Links](#), [Sponsoren](#), [Presse](#), [Impressionen](#), and [Wavereports](#). A red arrow points to the "MWP-News 2003" link. At the bottom left of the page, it says "powered by ifos GmbH". The main content area features a map of Europe with a light green background and blue outlines for countries and rivers. Several small squares are overlaid on the map: two red squares in the Iberian Peninsula and several green squares in the Alps and Pyrenees regions. A vertical line is drawn through the map, and several small black crosses are scattered across the landmasses.

Mountain Waves: the MWP-forecasts

present model areas => Europe, Argentina, central Asia
and since July 2004 => **Australia**

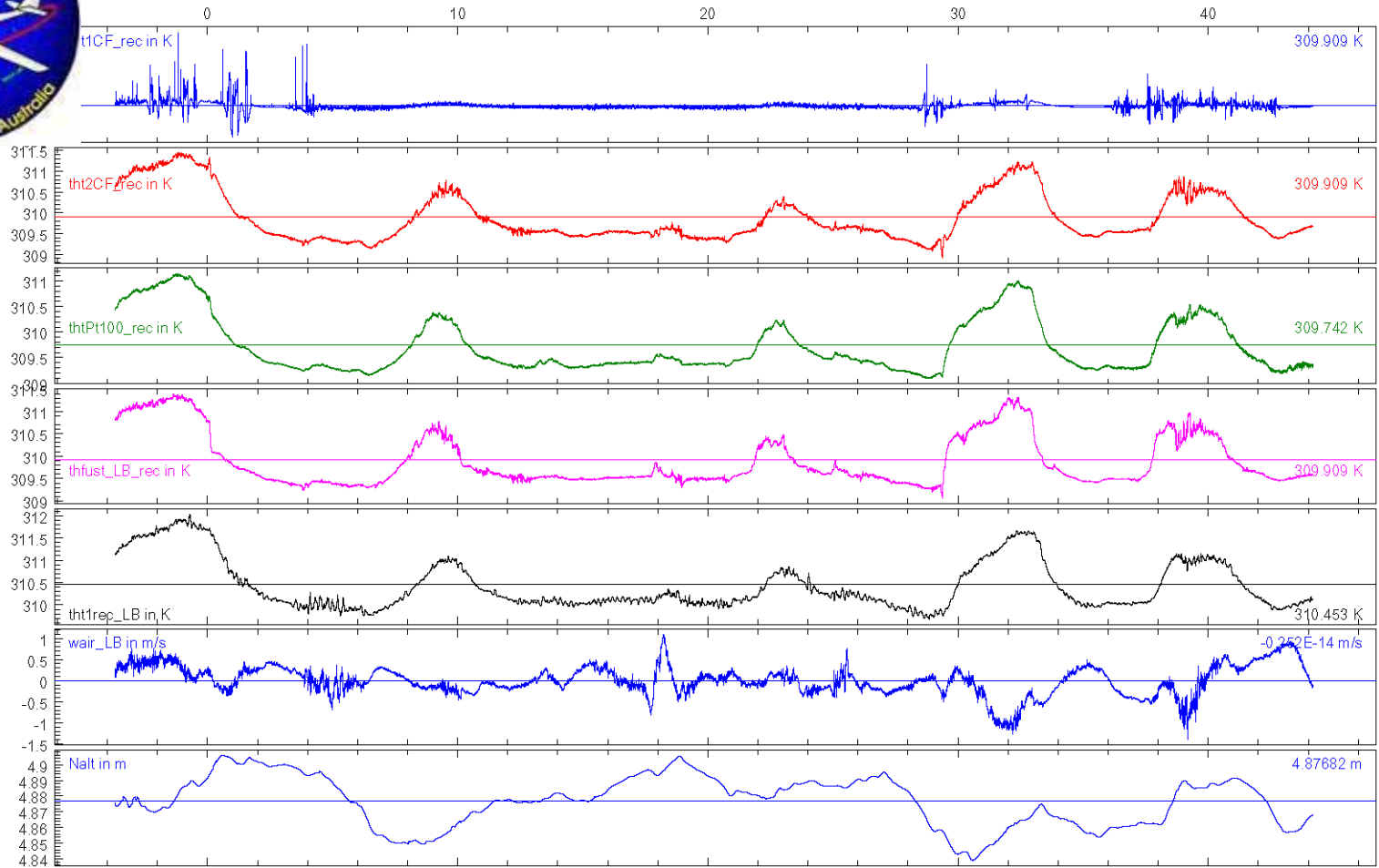
MTW- forecast for Nov. 20th 2004



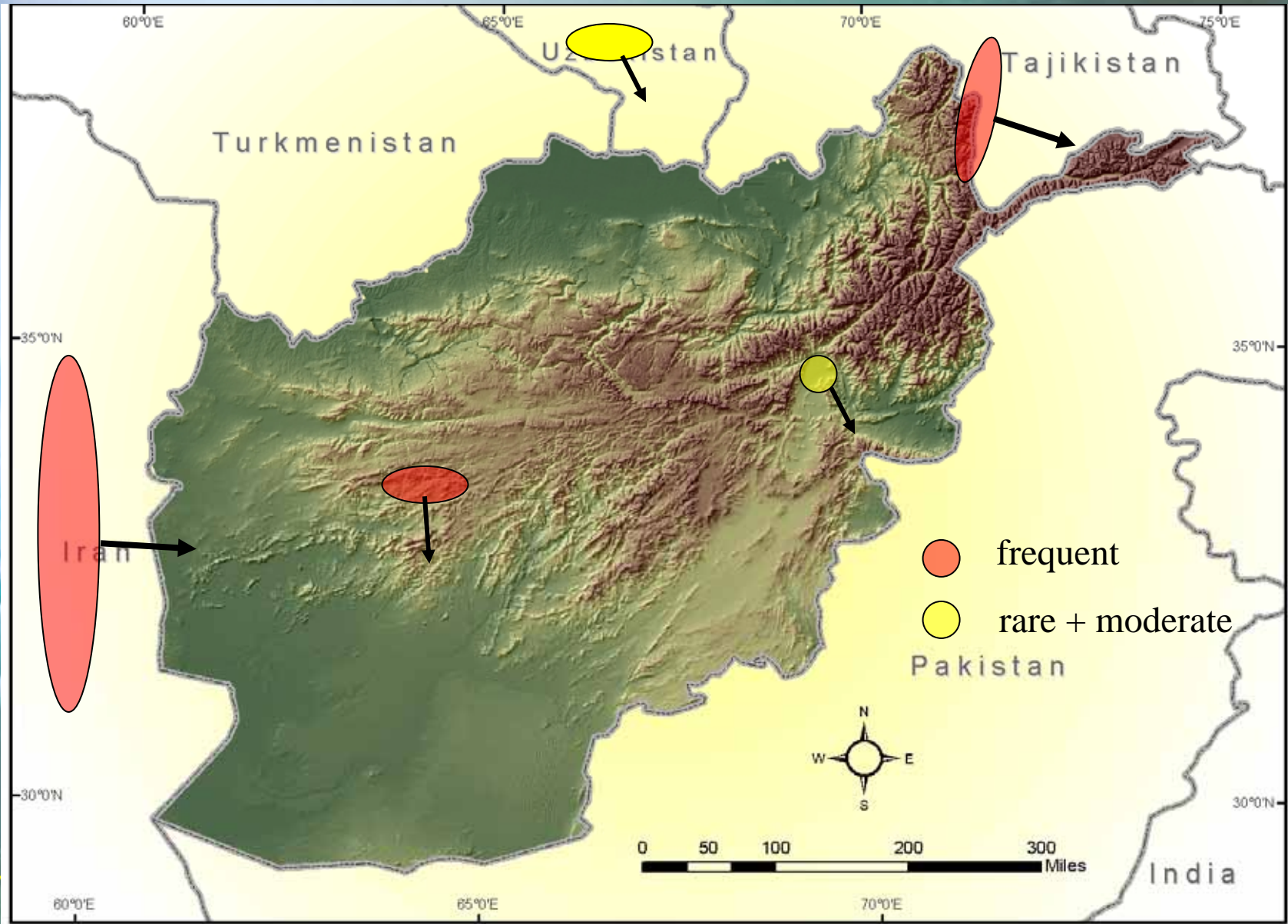
Mountain Waves: Project "Waves and Turbulence" by Flinders University



Wave Study Aug04 22t9we49 (12:14:33LT) mean y: -11.455km



Mountain Waves: the forecast



Mountain Waves: outlook ALTAI





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