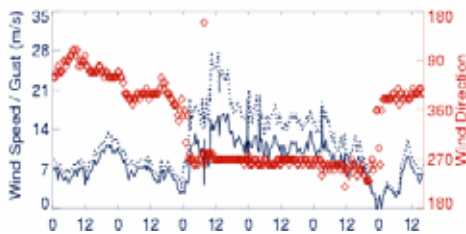


PAWS at Wilsons Promontory in April 2005: wind regimes and changes in complex terrain

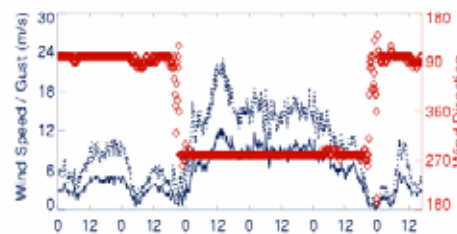
Xinmei Huang and G.A.Mills
Bureau of Meteorology Research Centre

Strong synoptic-scale forcing – similar wind regimes across terrain

Lighthouse Automatic Weather Station



Windy Saddle Portable Automatic weather Station (PAWS)



Even this short period of meso-net data shows:

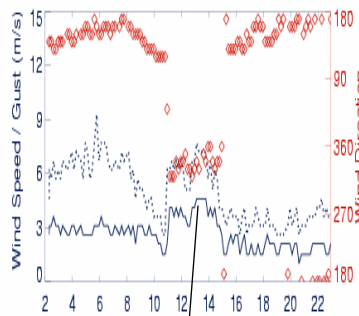
Regime variations.

Change morphology variations (night-time!)

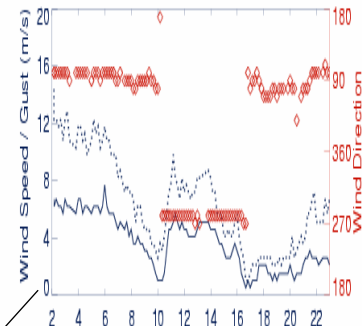
A prototype for future deployment, analysis and modelling.

Weak synoptic forcing – local circulations and varying response.

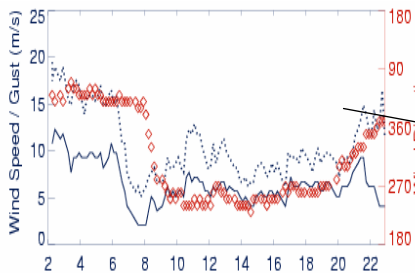
North – Five Mile Track
Short daytime speedup and southeast to NNW reversal



Windy Saddle. Daytime speedup and east-to-west reversal.



West side – Mt. Oberon.
Daytime speedup and NE to west reversal



Lighthouse-
max speed at night
No direction change

