

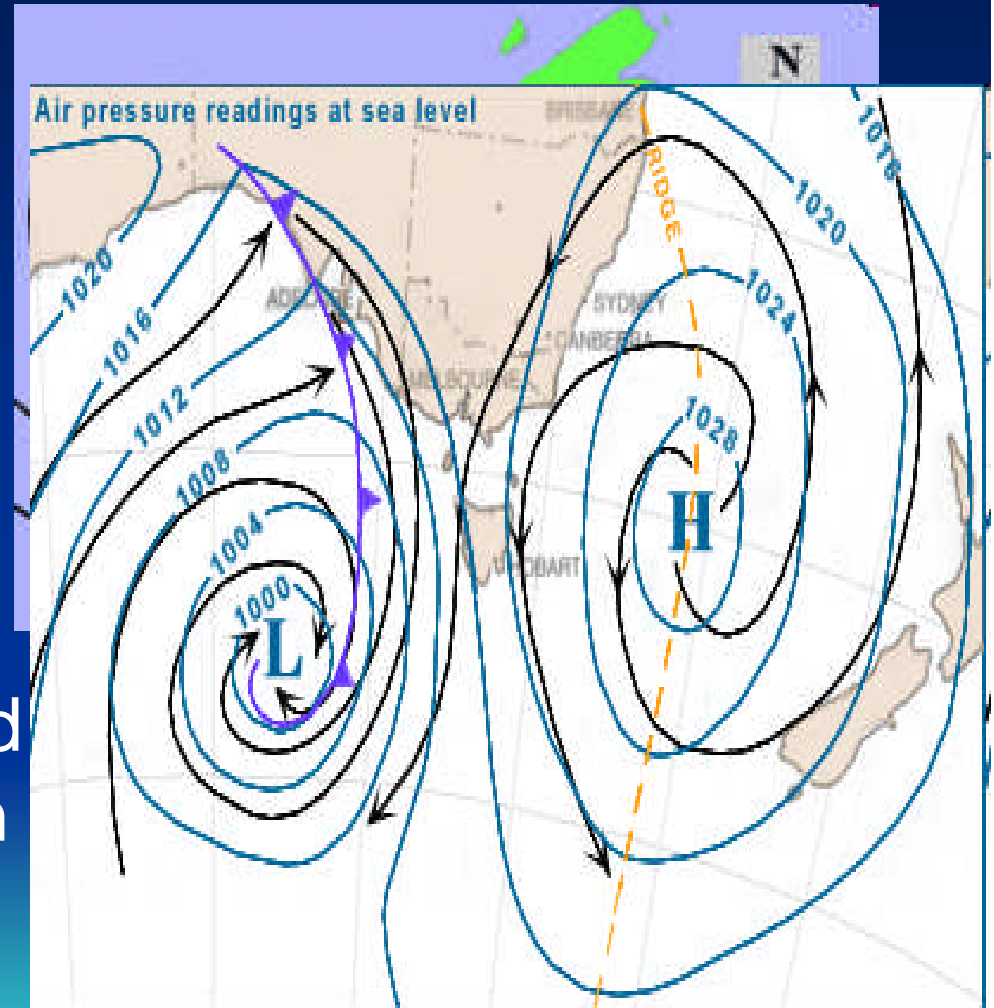
Anticyclone and other pressure system

2/M John Jaromahum

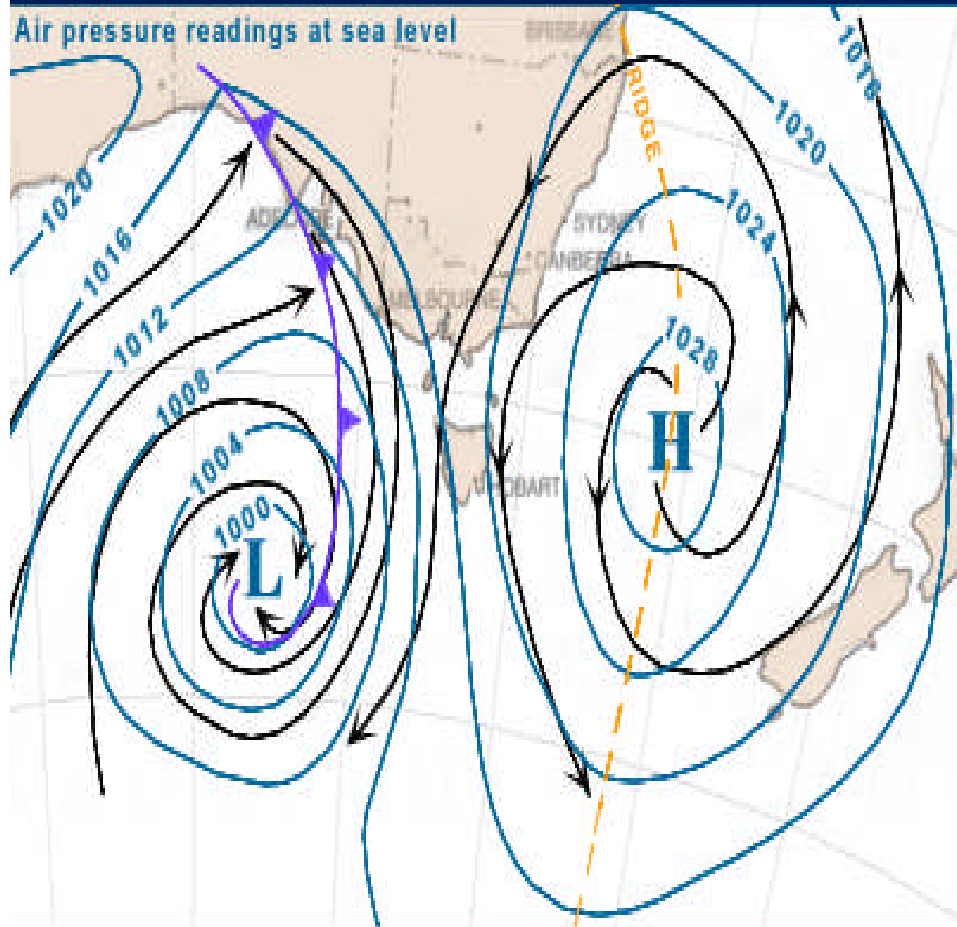


Cyclone

- characterized by rapid inward circulation of air masses about a low-pressure center,
- accompanied by stormy, destructive weather.
- counterclockwise in the Northern Hemisphere and clockwise in the Southern Hemisphere.



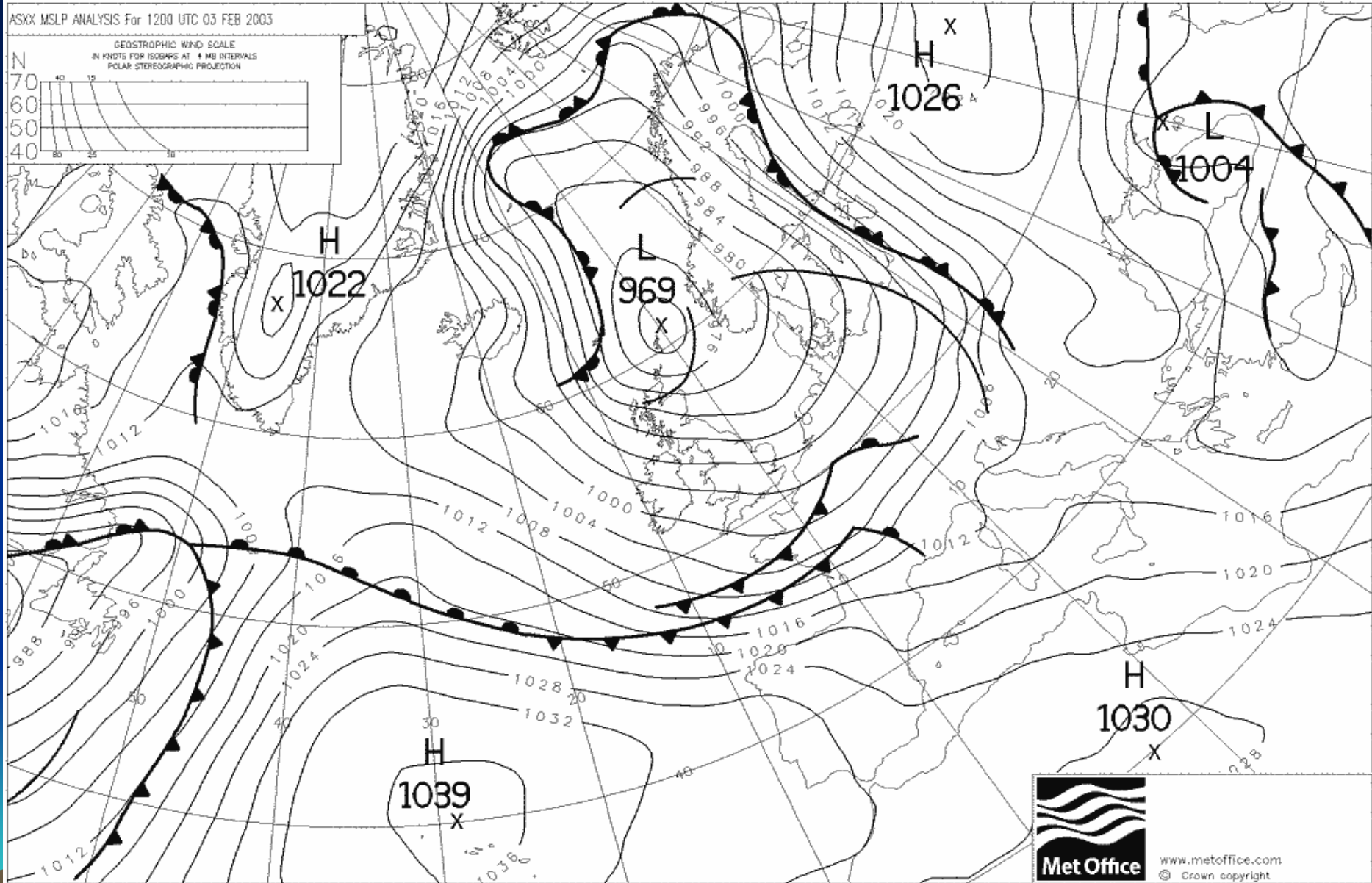
Anticyclone

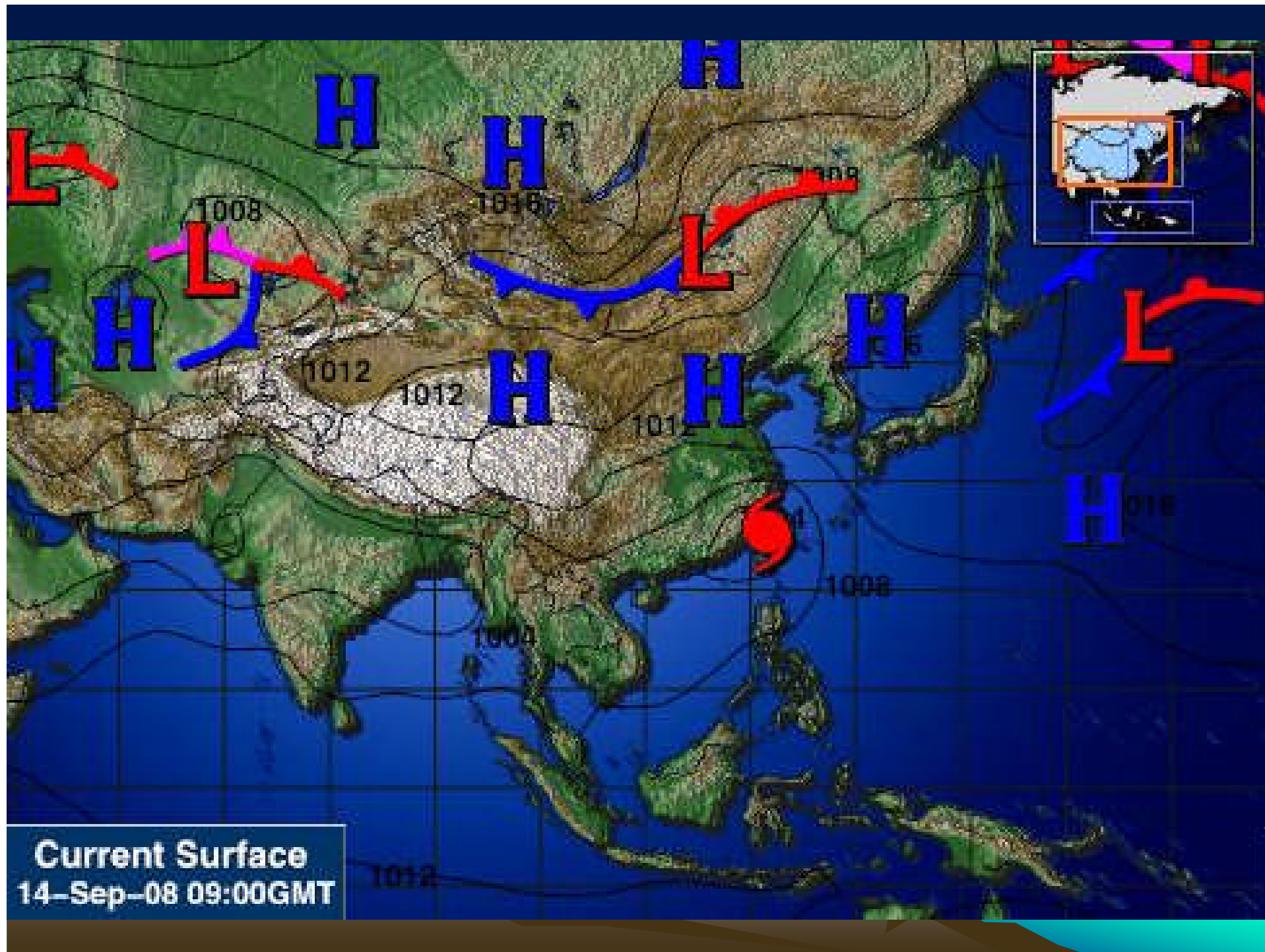


- clockwise in the Northern Hemisphere, and
- anticlockwise in the Southern
- also known as a high.

1000 mbs and above.

Comes to you via Top Karten (<http://www.wetterzentrale.de/topkarten/>)
Source (TIFF-Files): <ftp://weather.noaa.gov>





Weather in Anticyclones

- Varies from place to place



Weather in Cold anticyclones

- also known as continental highs
- Siberia and north-west Canada in winter
- Cool air



Weather in *Subtropical anticyclones*

- stable atmospheric conditions, and thus,
- fine,
- hot,
- dry weather.
- Strongest at 32° N and S.



Weather

mid-latitude anticyclones

- located beneath the leading edge of ridges in the upper-air westerlies
- the weather is unusually fine

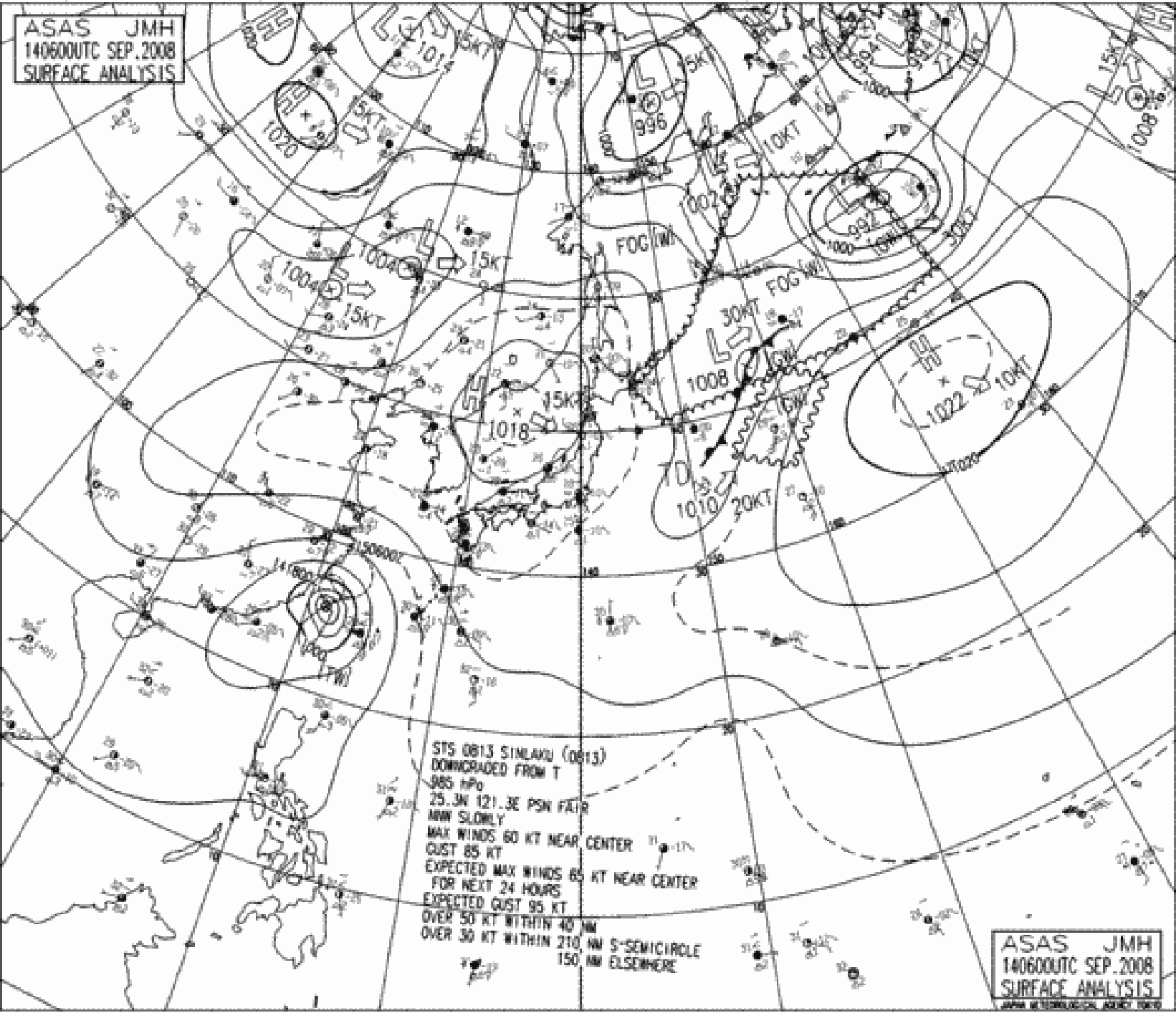


Winter anticyclones

- may bring cold,
- frosty weather,
- or fog.



ASAS JMH
140600UTC SEP.2008
SURFACE ANALYSIS



STS 0813 SIMLAKU (0813)
DOWNGRADED FROM T
985 hPa
25.3N 121.3E PSN FAXR
MMN SLOWLY
MAX WINDS 60 KT NEAR CENTER
GUST 85 KT
EXPECTED MAX WINDS 65 KT NEAR CENTER
FOR NEXT 24 HOURS
EXPECTED GUST 95 KT
OVER 50 KT WITHIN 40 NM
OVER 30 KT WITHIN 210 NM S-SEMICIRCLE
150 NM ELSEWHERE

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