

下暴氣流天氣系統的個案 探討

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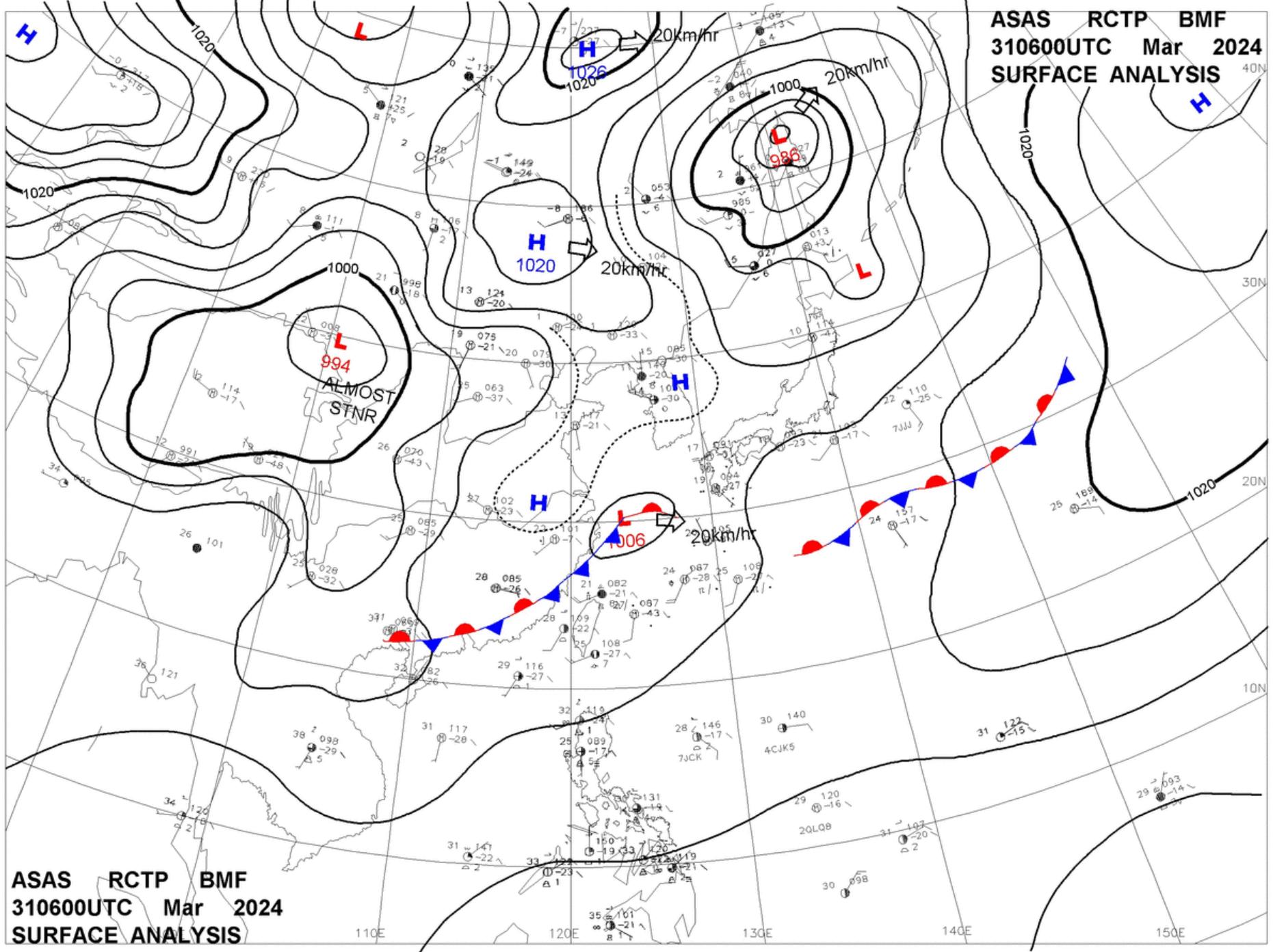
¹ 台大天氣團隊 ² 龍華科技大學

大綱

- 天氣圖
- 斜溫圖
- 衛星雲圖及雷達回波圖
- 雷達剖面及作業化WISSDOM反演風場
- 地面觀測時序圖
- 下暴氣流發生時氣壓場分析
- 結論

2024/3/31





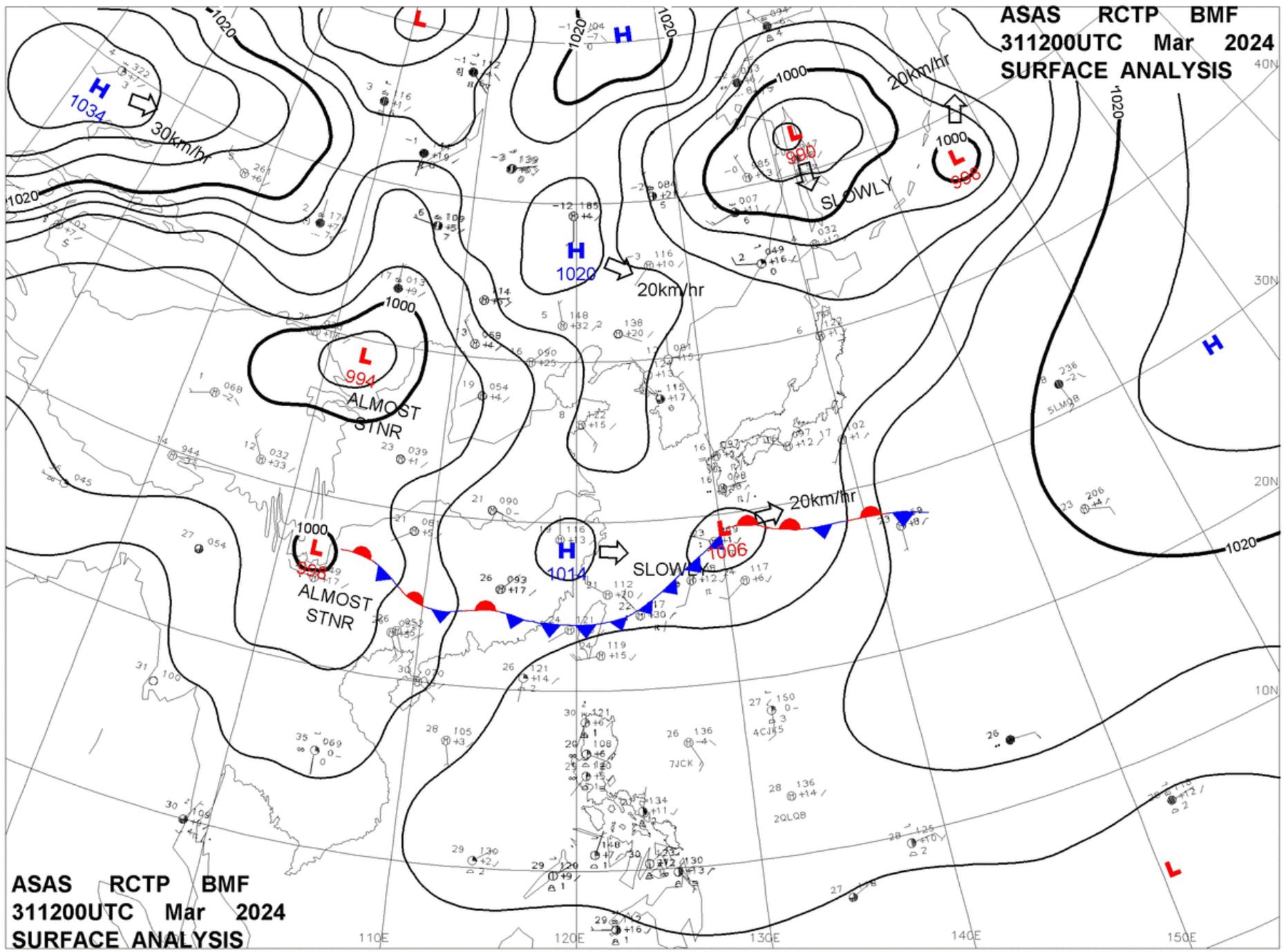
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310600UTC Mar 2024
SURFACE ANALYSIS

ASAS RCTP BMF
310600UTC Mar 2024
SURFACE ANALYSIS

110E 120E 130E 140E 150E

40N
30N
20N
10N

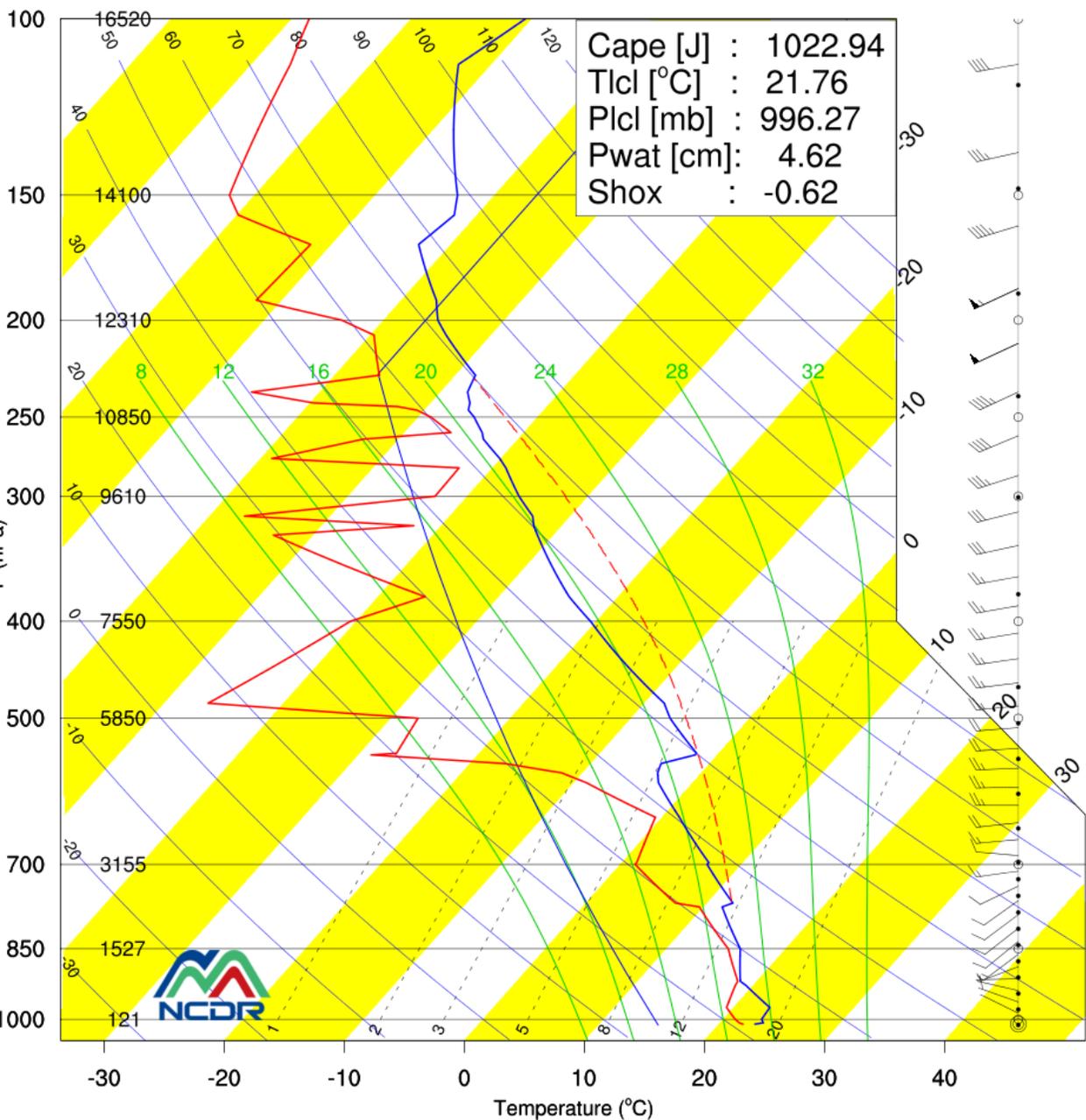
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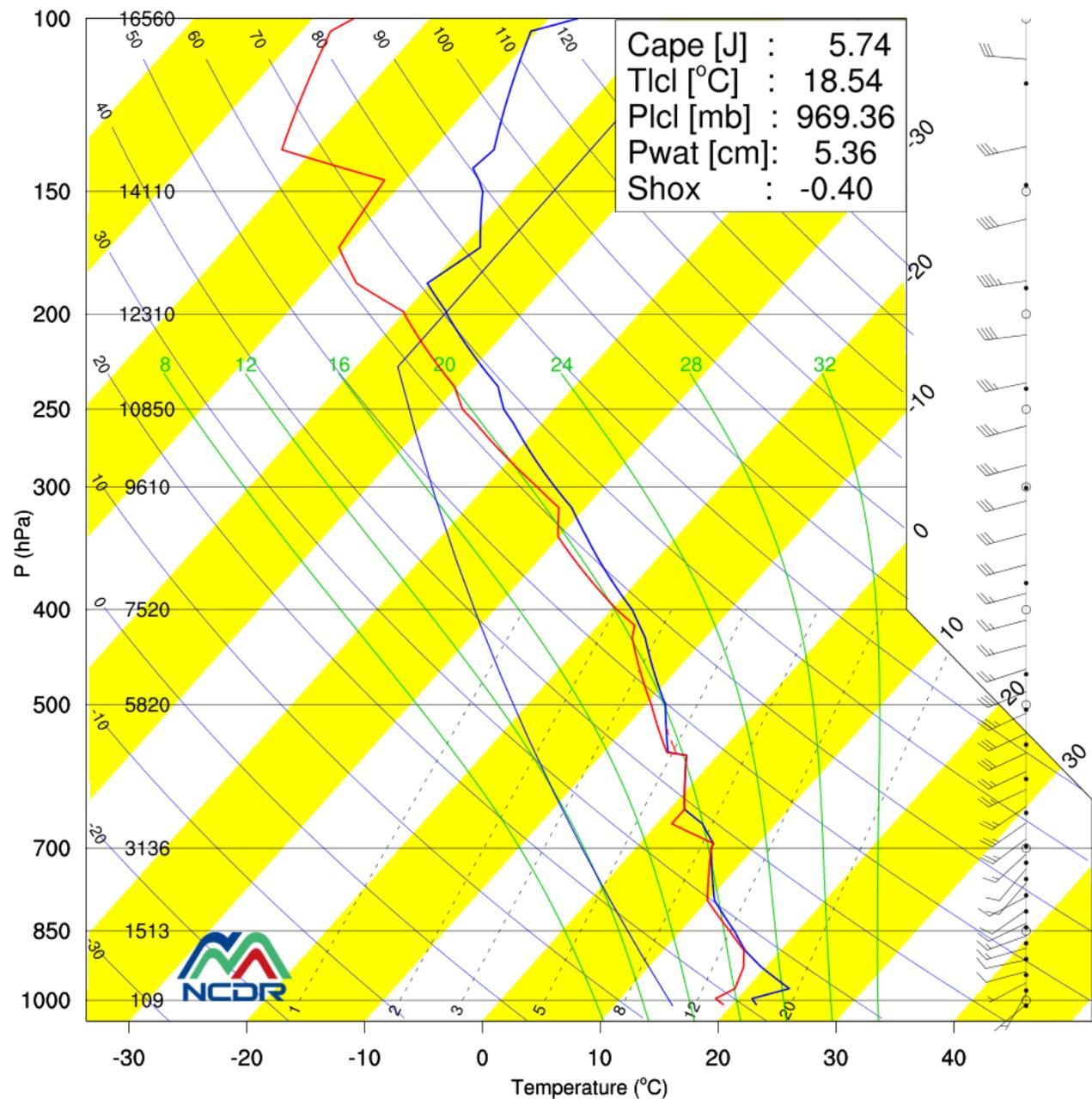
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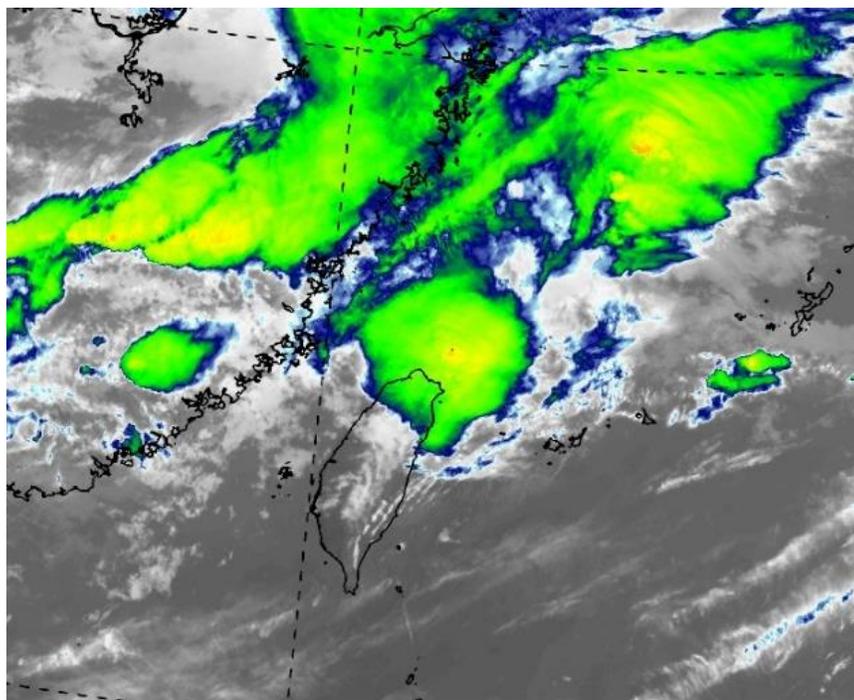
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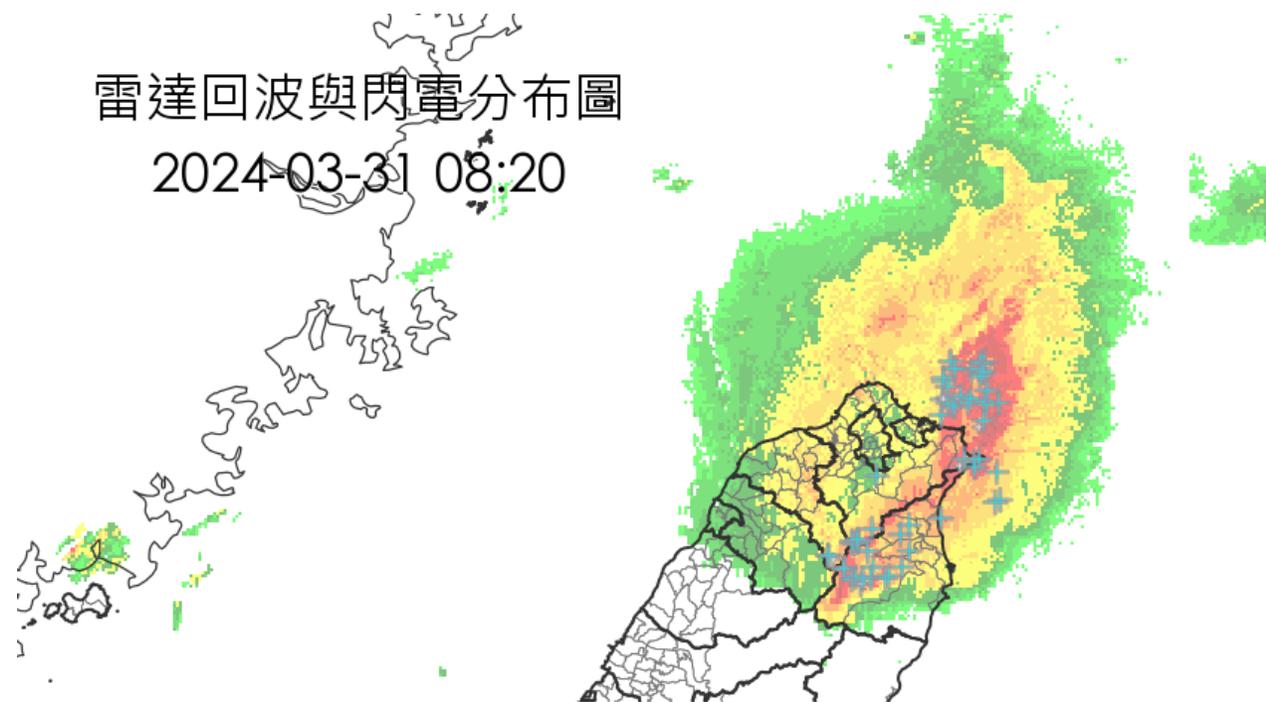


2024年3月31日08:20色調強化雲圖



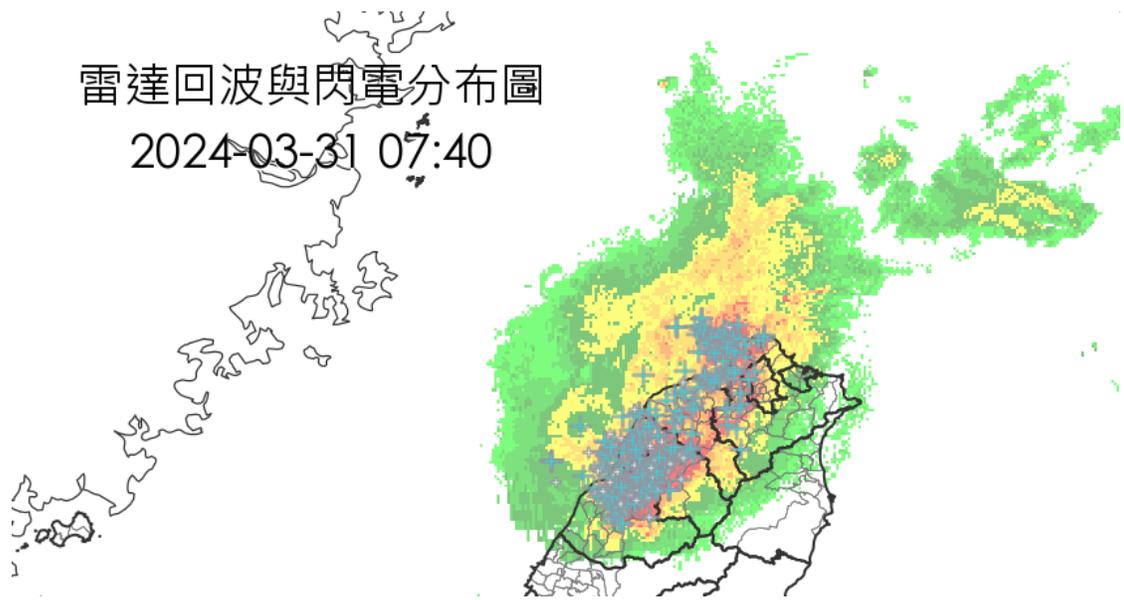
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2024-03-31 08:20



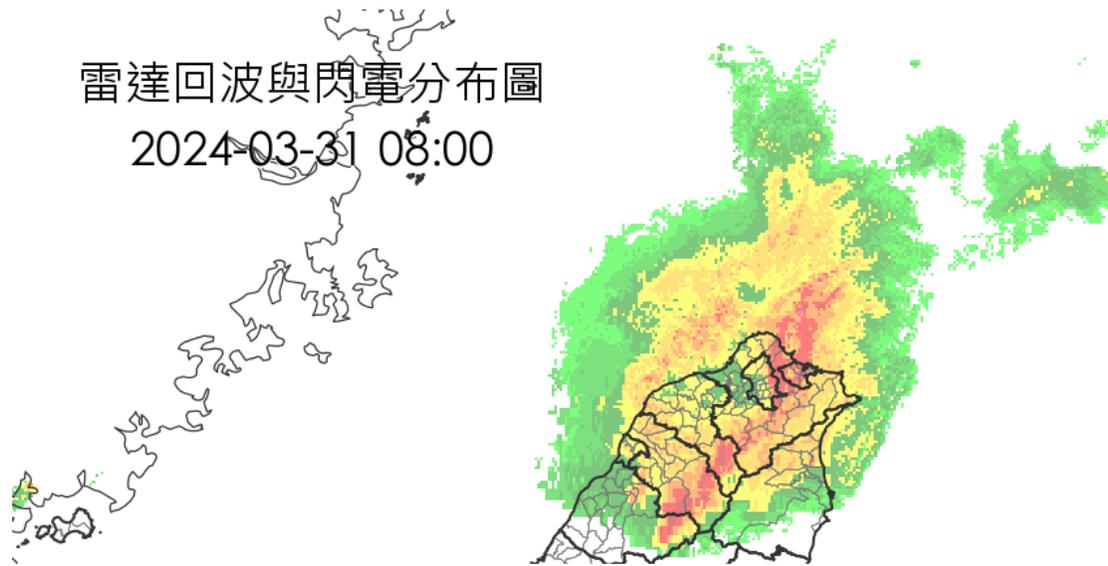
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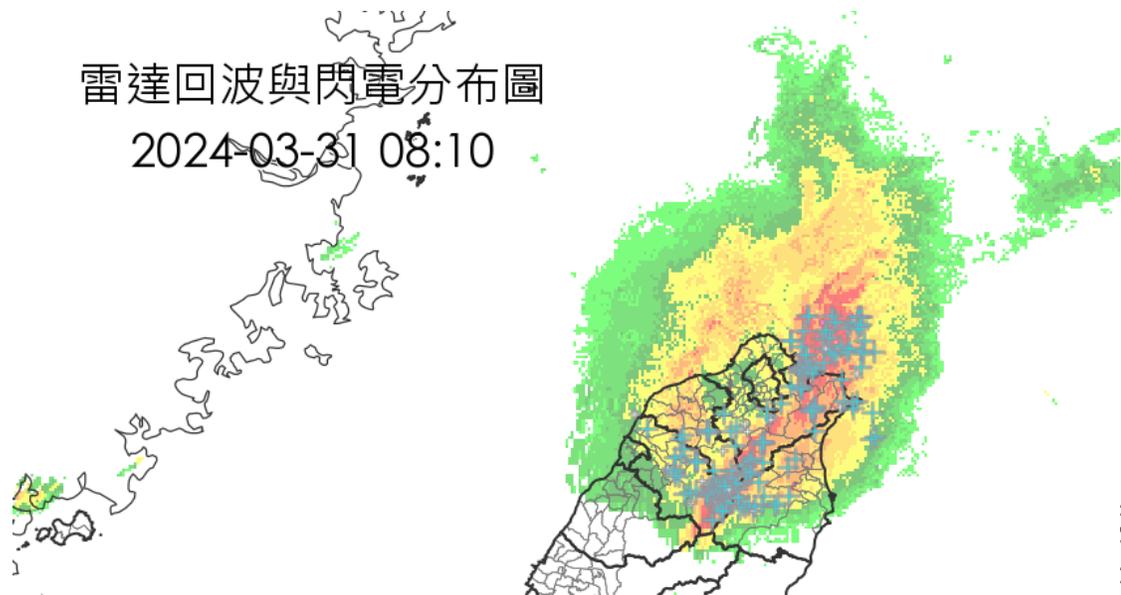
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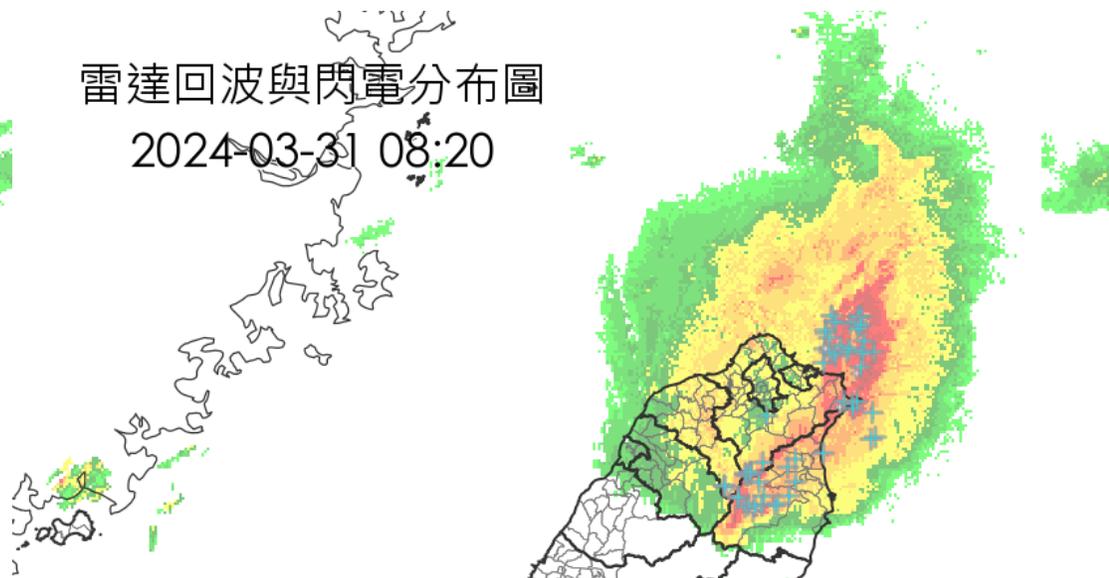
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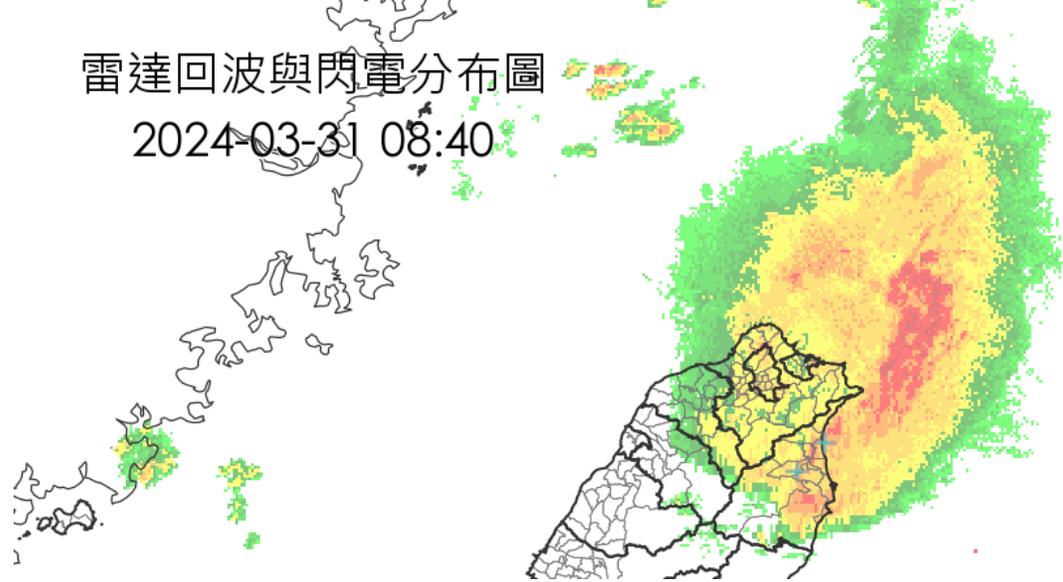
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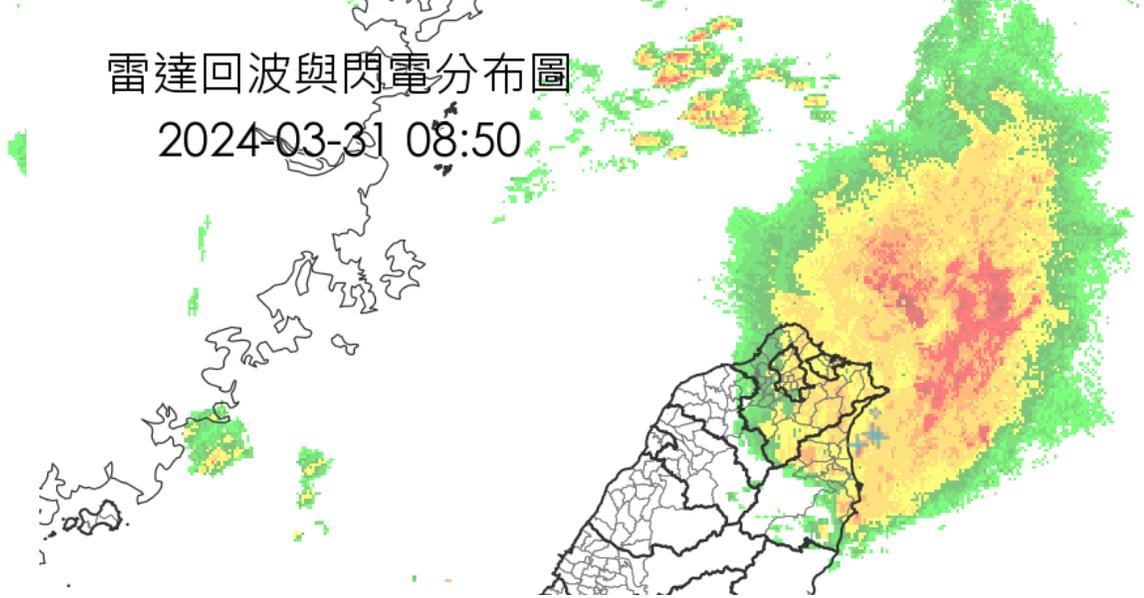
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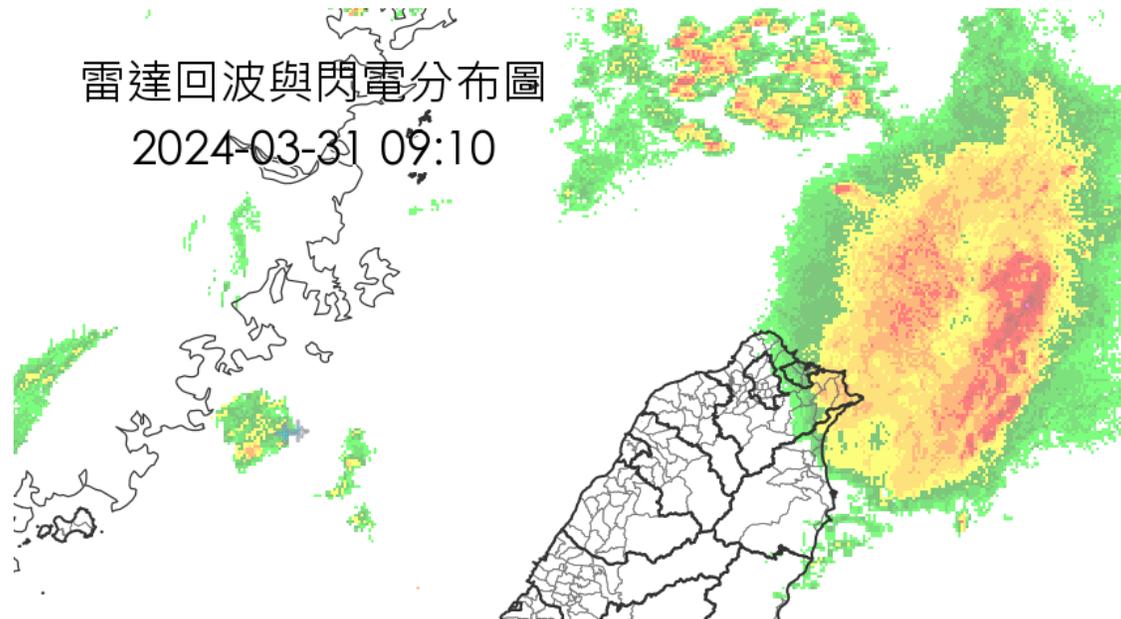
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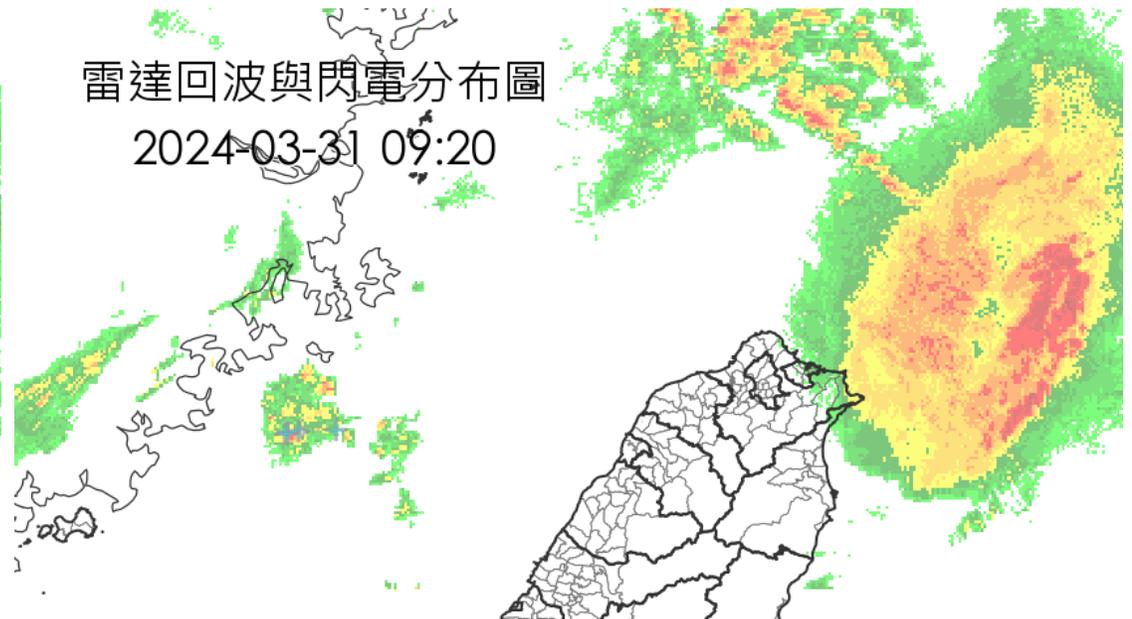
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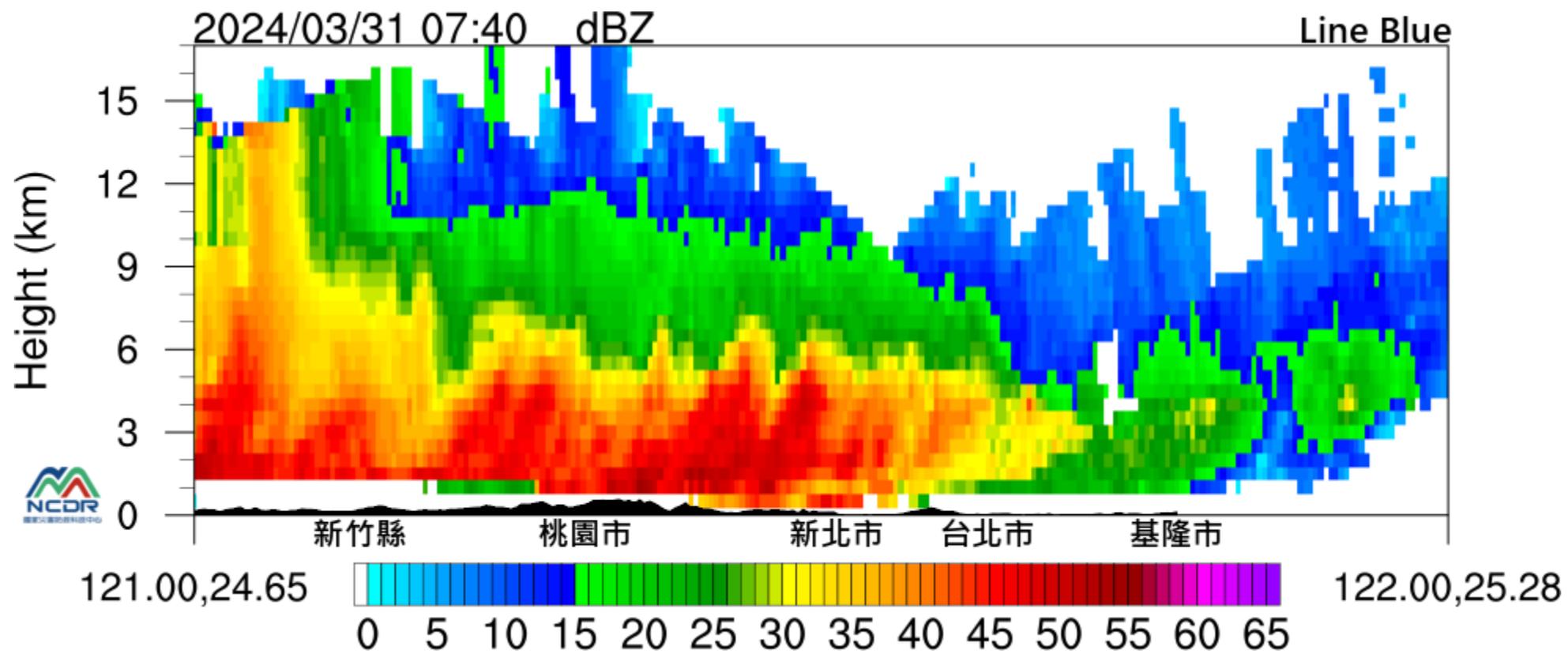
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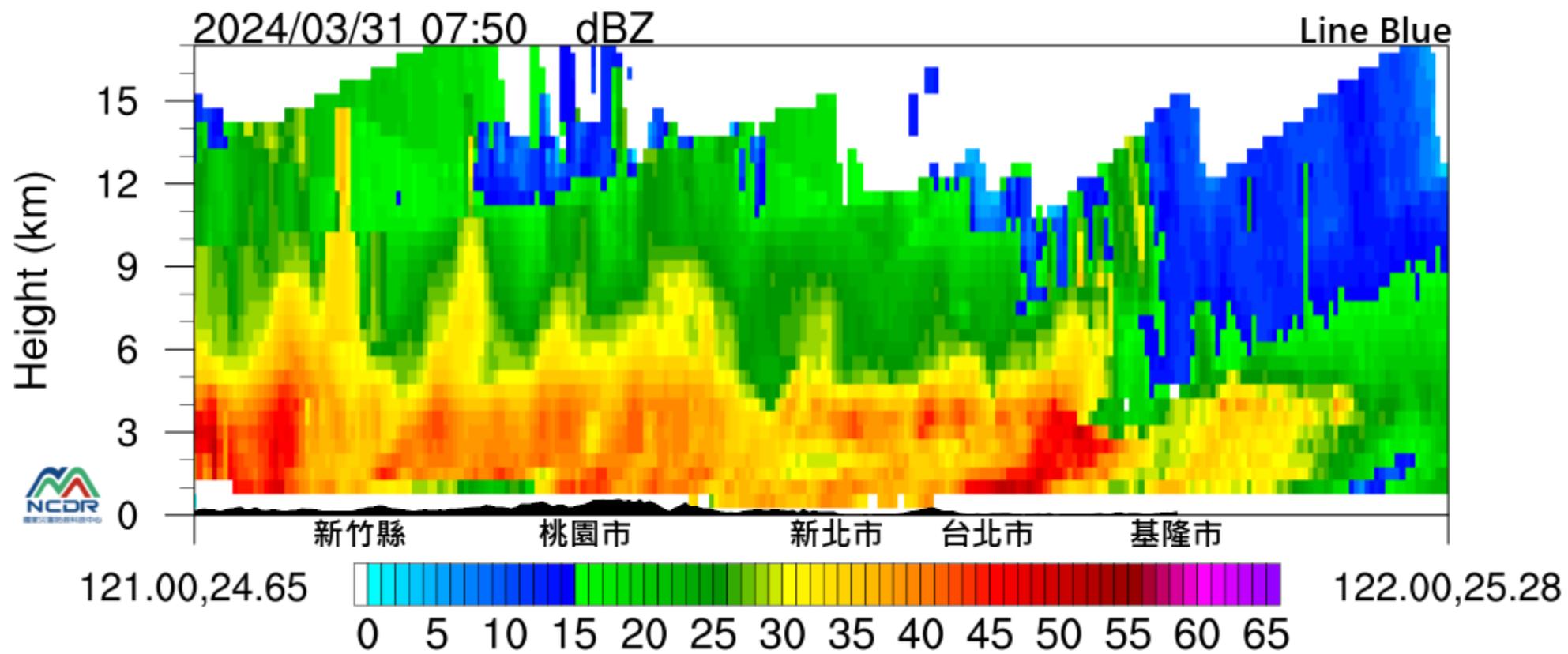


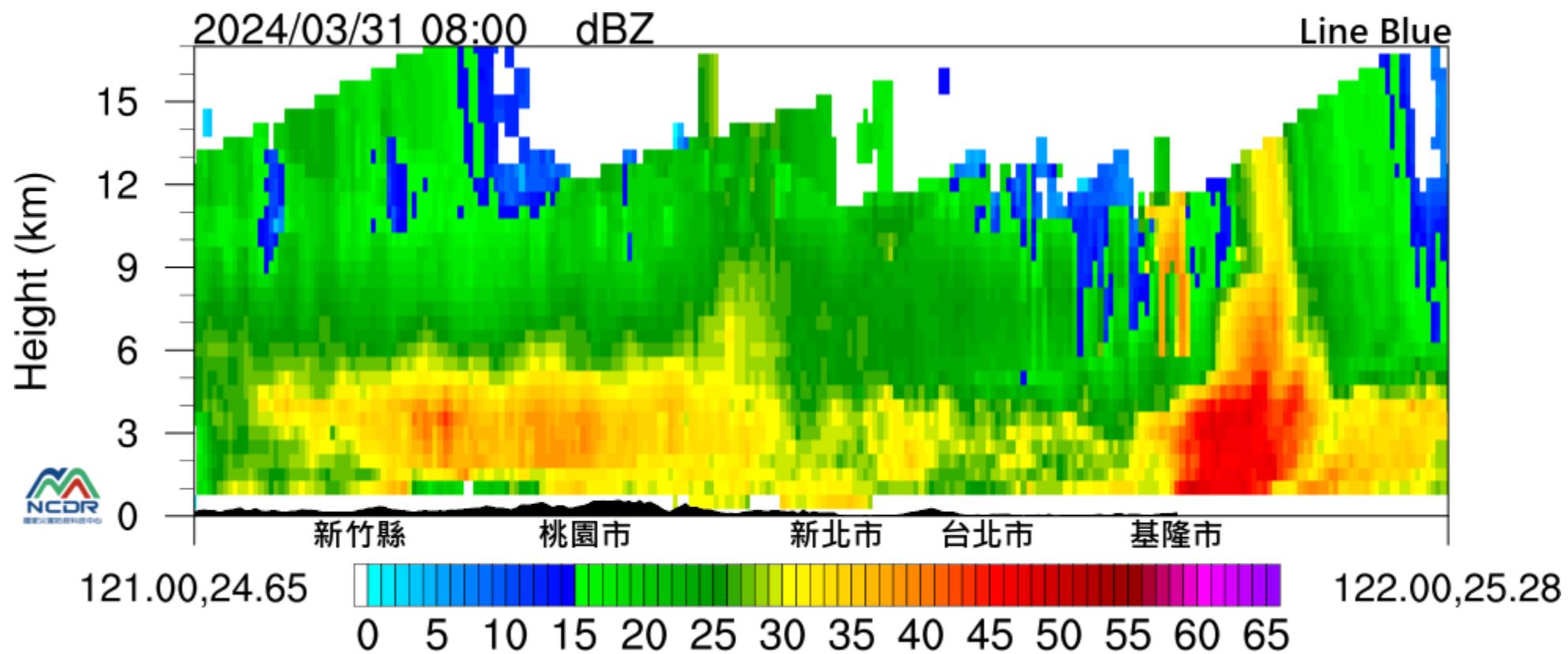
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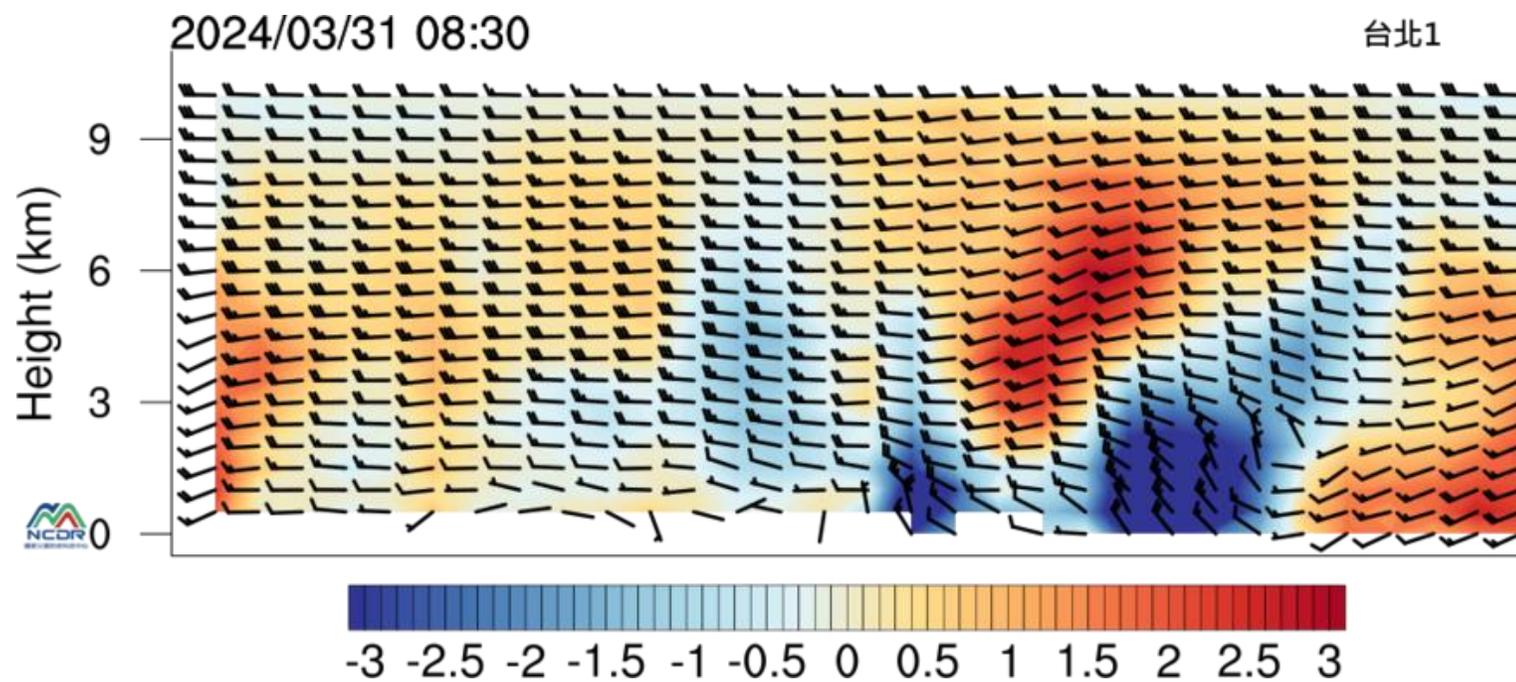
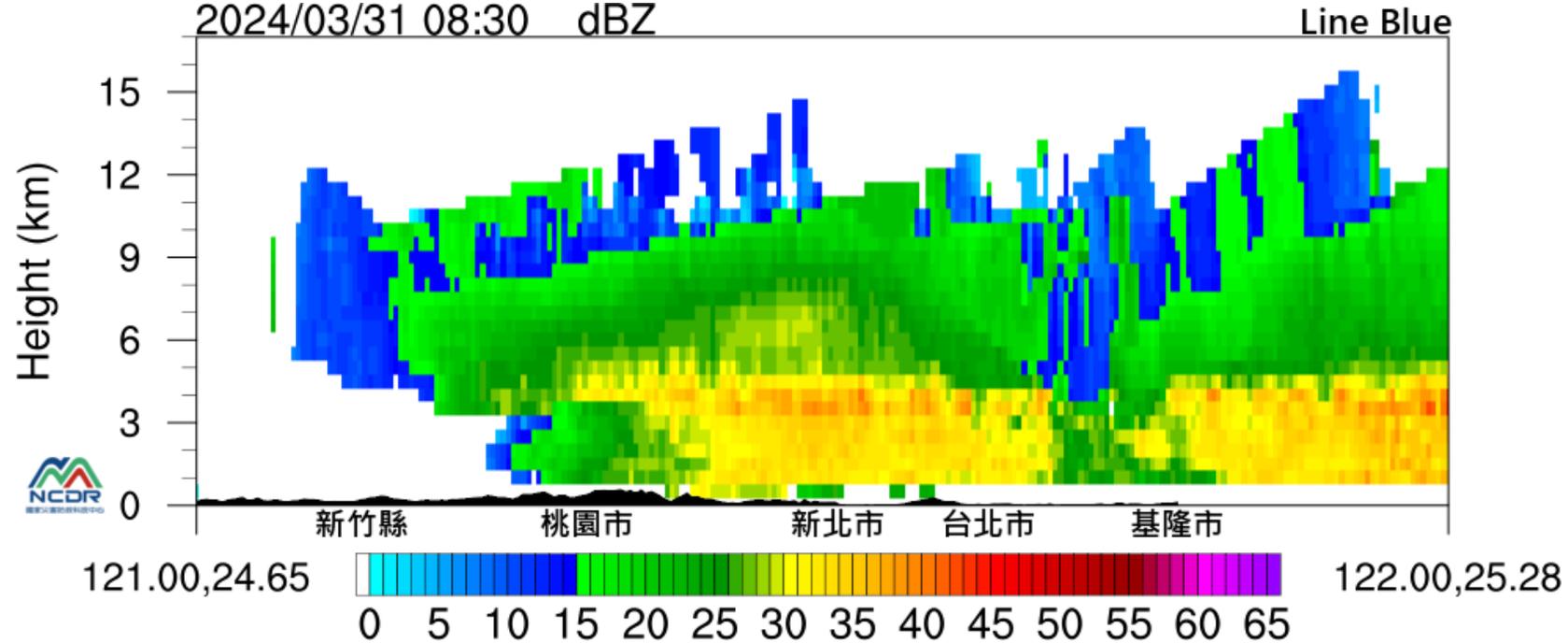
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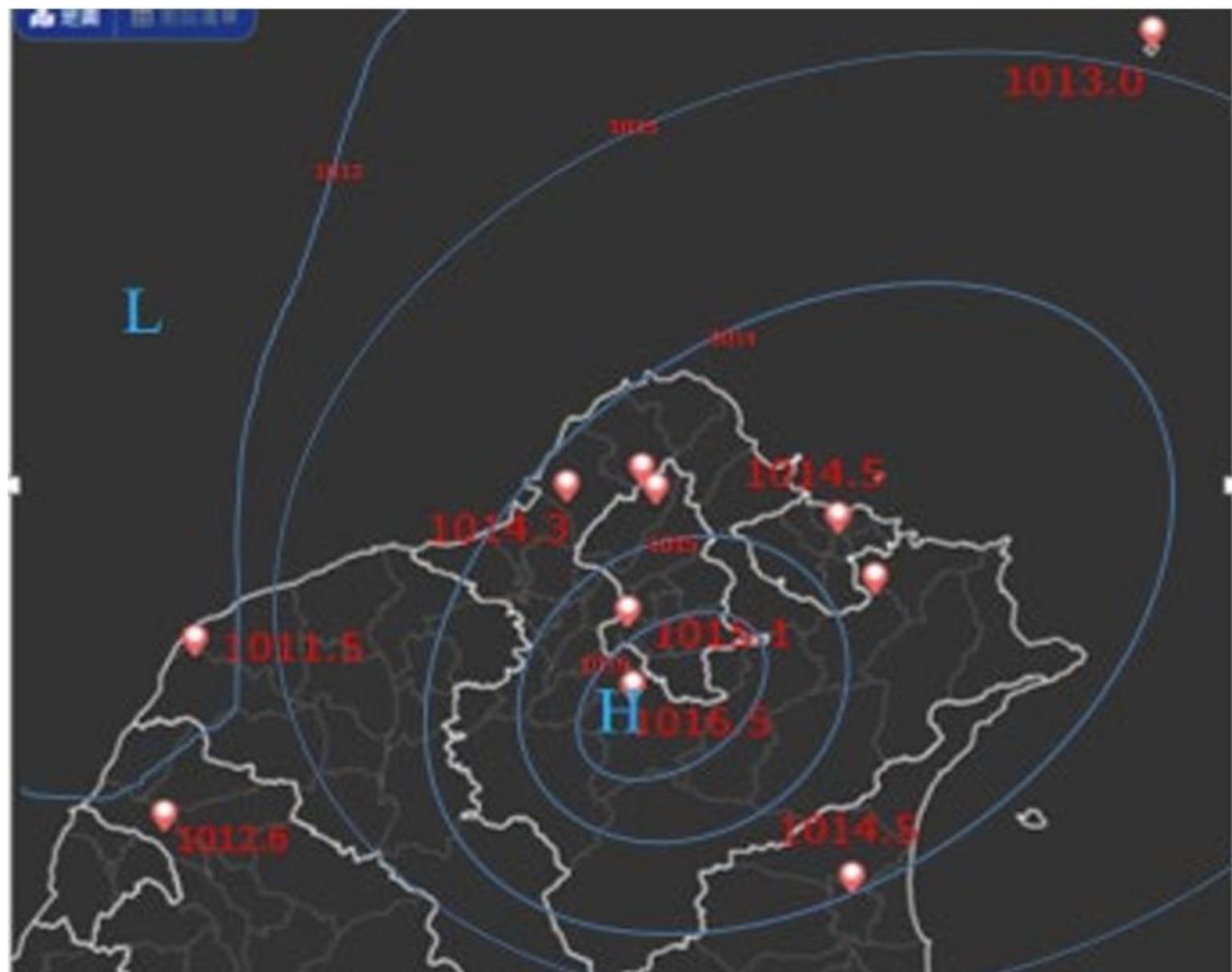












結論

- 天氣系統對日常生活影響甚大，尤其移動快速的中小系統更甚，經常市民來不及反應已造成災害。
- 2024年3月31日地面天氣圖顯示鋒面在華南地區，鋒面前的下暴氣流，致使北市多處地區路樹倒塌，電桿壓壞路邊停車格轎車，造成交通混亂，市民財物損失。
- 本案例是鋒面前的中小系統案例分析，可作為氣象作業人員之參考。

感謝聆聽 Thanks for listening