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## 黑龙江省西部地区一次大范围强飚线过程分析

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Title: Analysis of a widespread squall line process in western region of Heilongjiang Province on June 11, 2007

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摘要: 应用多种气象监测资料,其中包括气象要素、红外卫星云图、闪电定位和雷达回波等对2007年6月11日黑龙江省西部地区的一次大范围强飚线天气过程,进行了从宏观到微观结构详细特征的深入分析,通过对比红外卫星云图、闪电定位资料与雷达回波发现,3种非常规气象资料在系统影响时间、强度变化和移动方向等方面具有很好的对应性,这一特性可供今后预报此类天气参考。

Abstract: Applying a variety of meteorological observations,such as meteorological factors,infrared satellite cloud chart,lightning location and radar echo,etc.,structural characterisrics of a strong squall line process in western region of Heilongjiang Province on June 11,2007 was analyzed by use of macro and micro details.By analyzing infrared satellite cloud chart,lightning location data and Doppler radar echo,a conclusion can be drawn that the three kinds of non-conventional data have close relationship in respect

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of the influence time, change of intensity and moving direction of synoptic system, the results provided a significant reference to the future synoptic forecast.

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