

论文

辽宁省乡镇天气预报业务系统

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摘要 辽宁省乡镇天气预报业务系统以高分辨率中尺度数值预报和自动气象站等加密观测数据为基础,以数值预报解释应用技术为依托,应用PP方程组和相似法结合制作乡镇站点的降水预报,建立起比较完善的乡镇天气预报业务流程,开发了辽宁省乡镇天气预报网站,实现了未来24 h辽宁省952个乡镇站点的降水、最高气温和最低气温3个要素的乡镇短期基本气象要素预报产品在网页上的下发、订正、保存、上报、评分和管理等功能。同时,概述了辽宁省乡镇天气预报系统的技术方法和工作流程。

关键词 [乡镇天气预报](#) [精细化天气预报](#) [SQL数据库](#) [地理信息系统\(GIS\)](#)

分类号

Villages and towns weather forecast operational system in Liaoning province

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Abstract Based on mesoscale numerical forecast of high resolution and intensive observation data of automatic weather stations as well as numerical forecast explanative application technology in villages and towns weather forecast operational system of Liaoning province,precipitation forecast of villages and towns stations was developed by PP equations and analogue method.In addition,villages and towns weather forecast operational flow was established,and villages and towns weather forecast network was developed,which can realize the distribution,revision,save,report,scoring and management of villages and towns short-term meteorological element forecast product such as precipitation,the maximum air temperature and the minimum air temperature in next 24 h for 952 stations of Liaoning province.At the same time,the technological method and work flow of villages and towns weather forecast system were summarized.

Key words [Villages and towns weather forecast](#) [Refined weather forecast](#) [SQL inquiring database](#) [Geographic information system\(GIS\)](#)

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