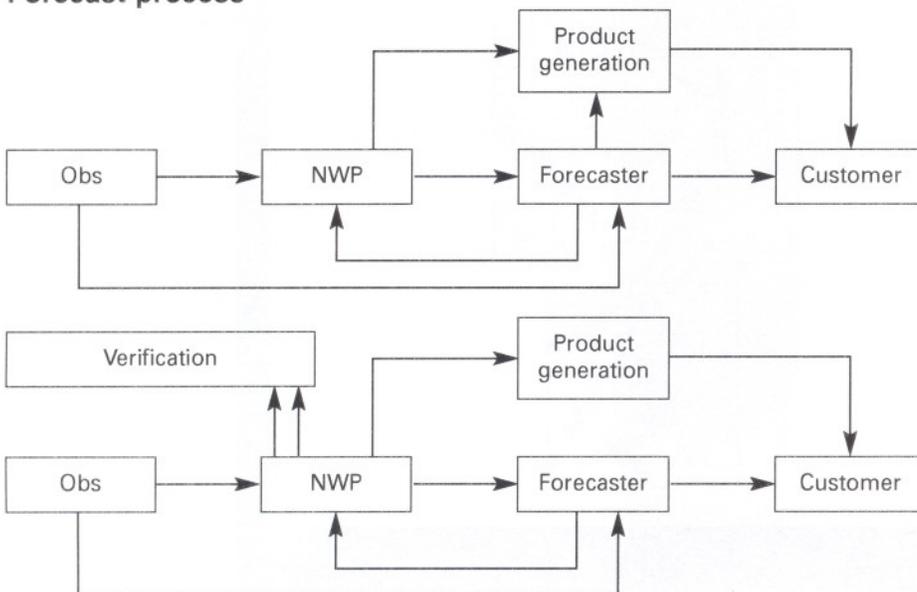


### Forecast process



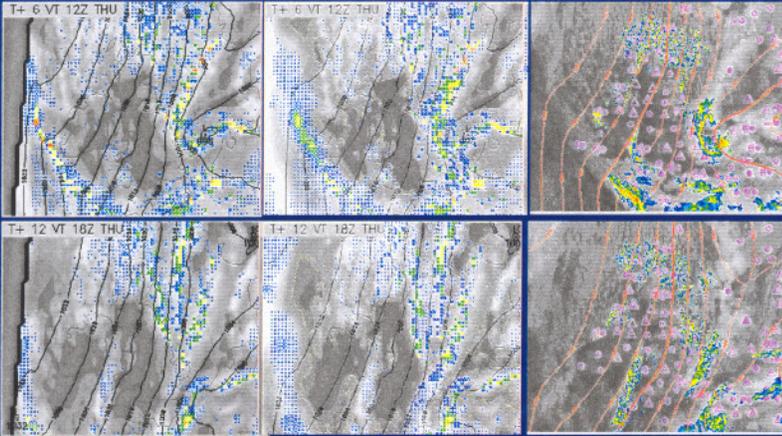
### New system

- New system PV based with many extra tools for editing sensible weather (Carroll, Davies)
- Meso, GM or mix on 22 km grid
- Gph, wind and temps on std levels
- High, medium and low cloud including fog
- Precipitation (dynamic, convective, rain, snow) ••Fortran/ GKS application running on Horace

### Future plans

- Trial provision of modified fields as input to site-specific model
- Numerical data dissemination
- Population of databases for downstream use – 'Change once, use many'.

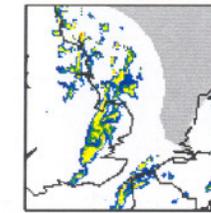
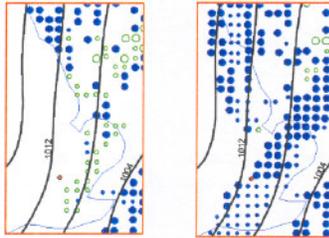
# 30 January 2003 snow



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Harpenden, 31 January 2003

## Preliminary verification 11 Dec – 4 Mar

- Improvements primarily in the more hazardous elements -snow and heavy rain
- Snow HR significantly higher for modified (9-12 hour lead time gain), with slightly lower FAR
- Modified forecast worse for lighter rain, better for low cloud

## The future

- In x years central forecasters will play a largely monitoring role
- Staged transition to automation via semi-automation, continuously monitoring value added
- Direct presentation will continue to be important.

