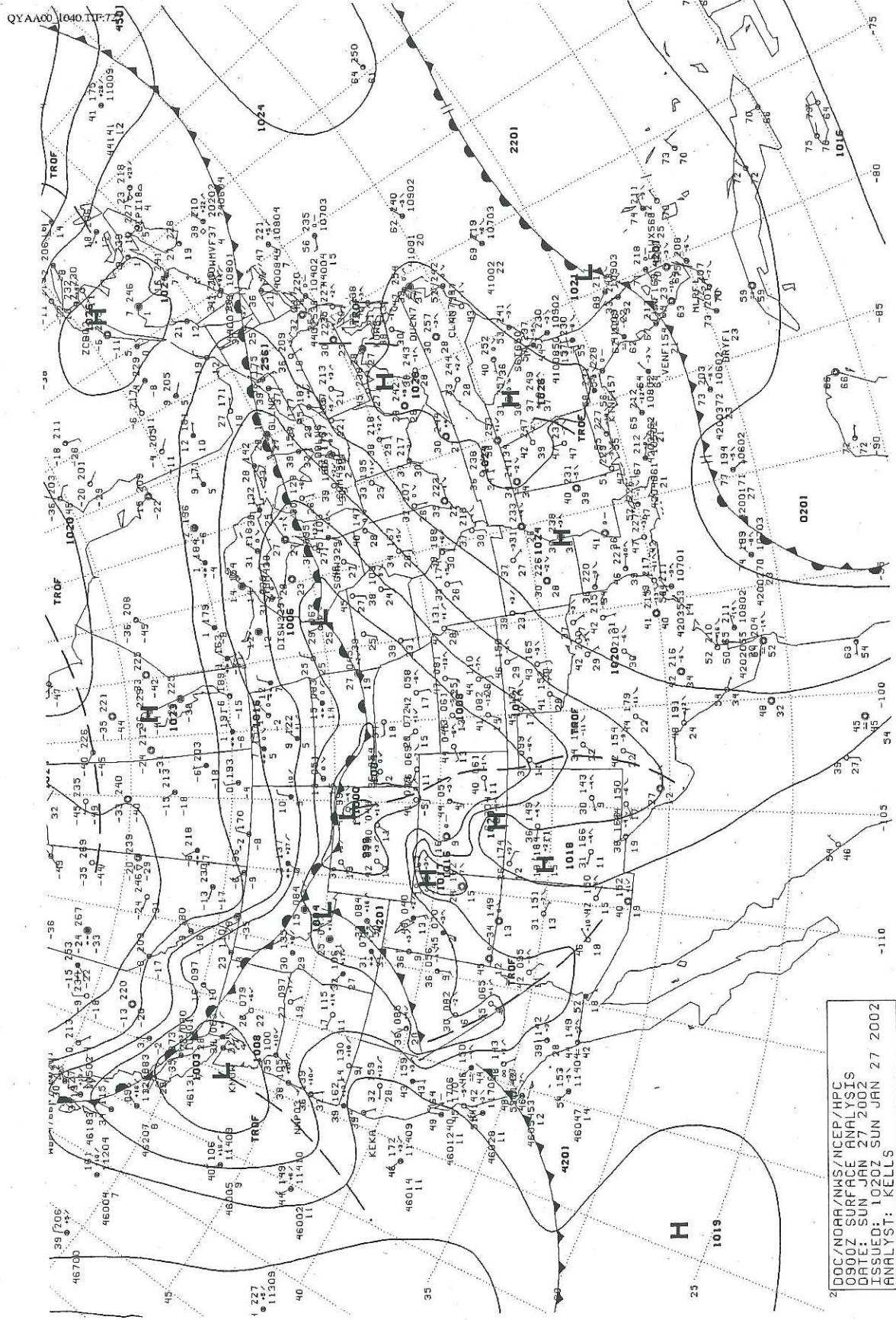


Meteo 413 In-Class Exercise

Name _____

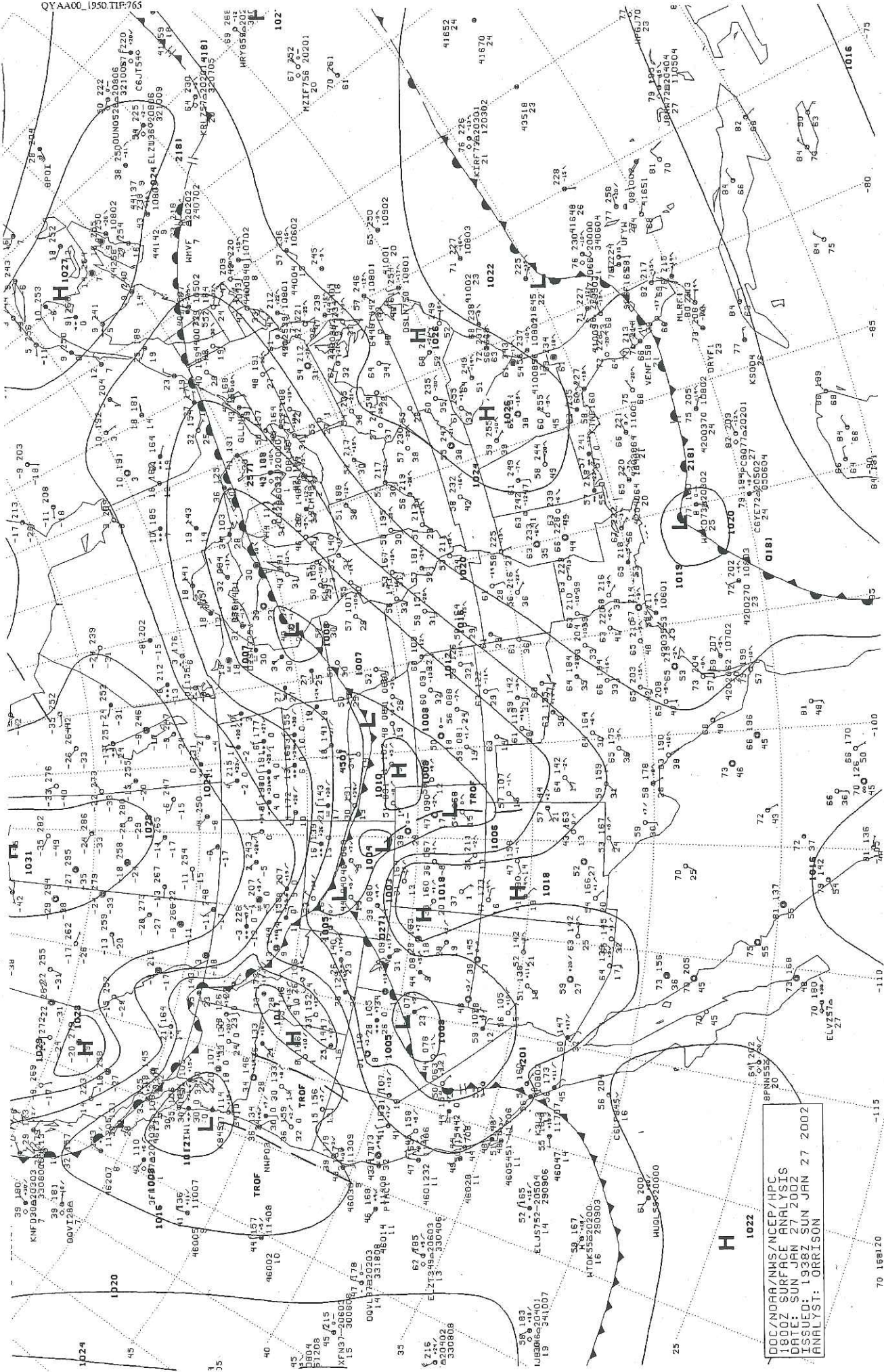
1. **Considering only movement** of the warm front running from MI east through New England, does the analysis between 9z and 18z 27 January (Maps A,B) seem consistent to you? Why or why not? It may help to read question 2 before answering. (5 pts)
2. Same question as before, but between 18z 27 January and 6z 28 January (Maps B,C,D). (10 pts)
3. During this entire period, where are the fronts and isobars exhibiting the most complicated structure (where do they buckle and bend the most)? What do you think caused this contorted frontal structure and "busy" pressure field? (5 pts)
4. On Map A, label the isobars. Some are already labeled, but certainly not clearly. Be sure you are correct! (10 pts)
5. On Map A, circle all pressures that clearly do not fit the analyzed pressure field. Find at least 10 for full credit. (20 pts)

A



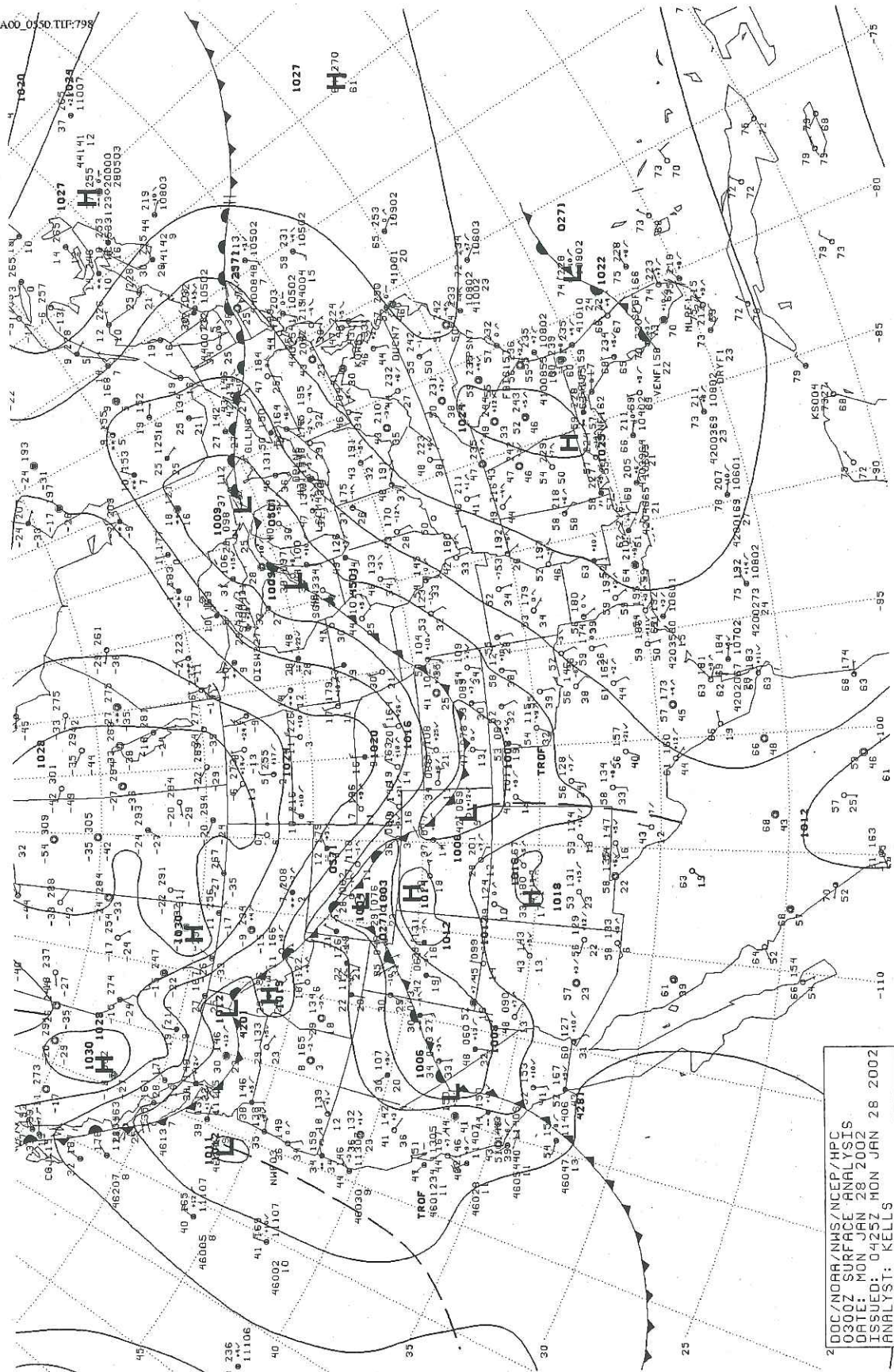
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 0900Z SURFACE ANALYSIS
 DATE: SUN JAN 27 2002
 ISSUED: 1020Z SUN JAN 27 2002
 ANALYST: KELLS

B

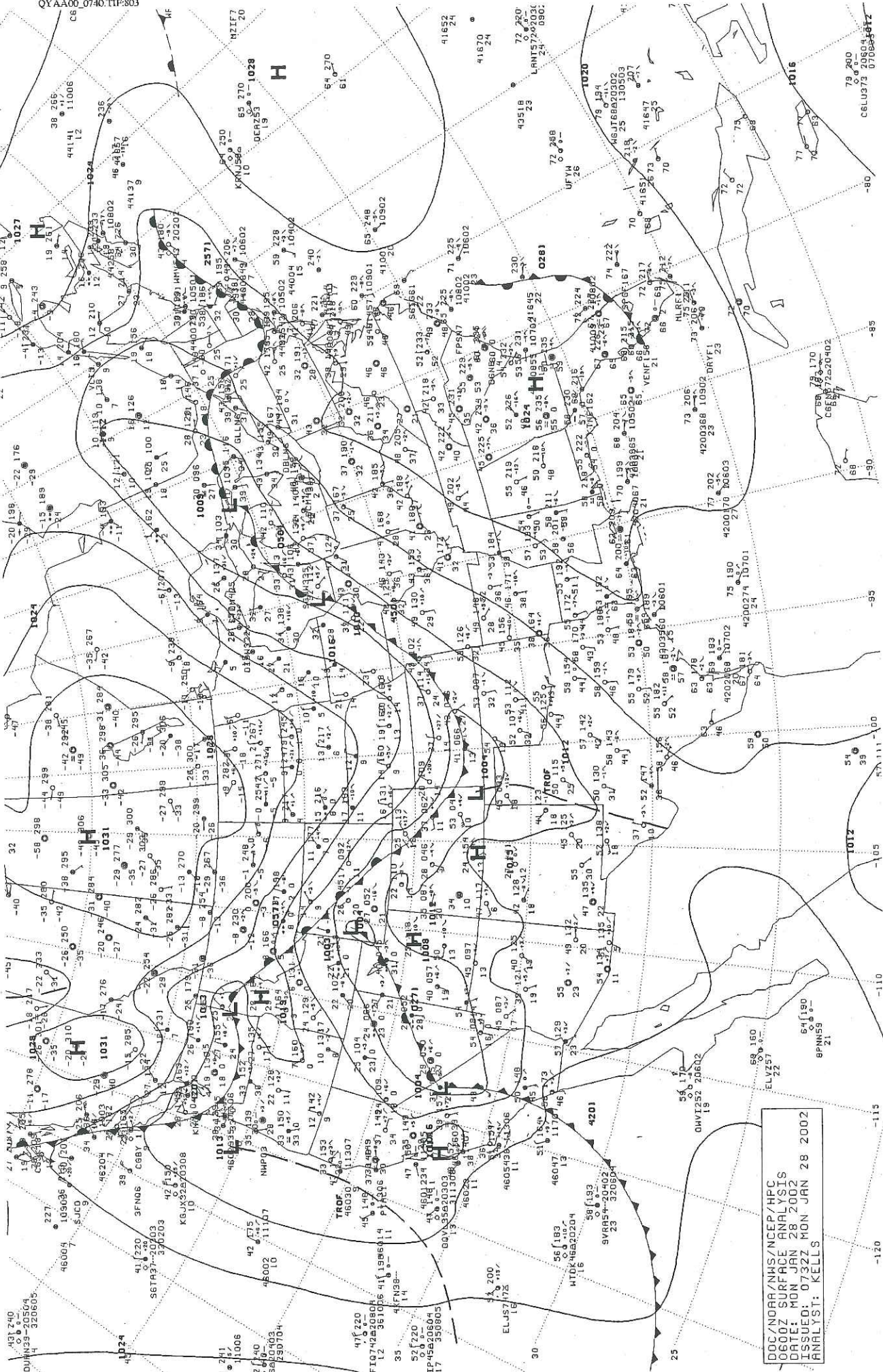


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 DATE: SUN JAN 27 2002
 ISSUED: 1938Z SUN JAN 27 2002
 ANALYST: ORRISON

C

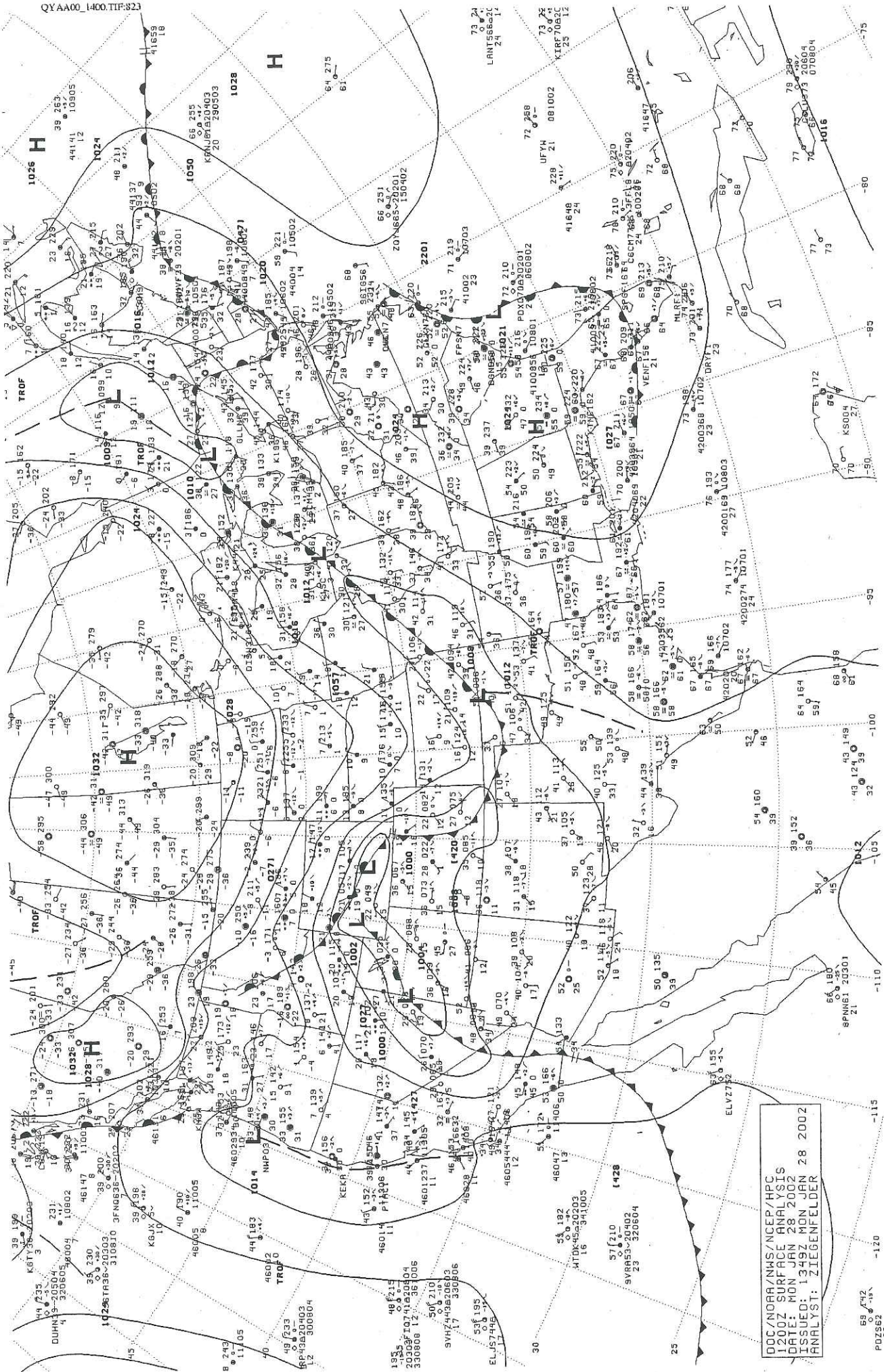


2 DOC/NORA/NHS/ANCEP/HPC
 0300Z SURFACE ANALYSIS
 DATEL MON JUN 28 2002
 ISSUED: 0425Z MON JAN 28 2002
 ANALYST: KELLS



DOC/NORAN/WMS/MCEP/HFC
 0600Z SURFACE ANALYSIS
 DATE: MON JAN 28 2002
 ISSUED: 0732Z MON JAN 28 2002
 ANALYST: KELLS

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DOC/NORA/NWS/NCEP/HPC
 1200Z SURFACE ANALYSIS
 DATE: MON JUN 28 2002
 ISSUED: 1349Z MON JUN 28 2002
 ANALYST: ZIEGENFELDER

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