

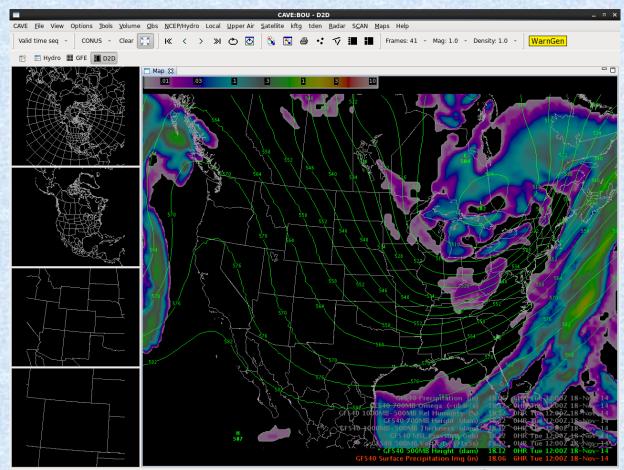
## Short term Weather

Presentation to: Water Availability Task Force Meeting November 18, 2014 Bob Glancy, National Weather Service



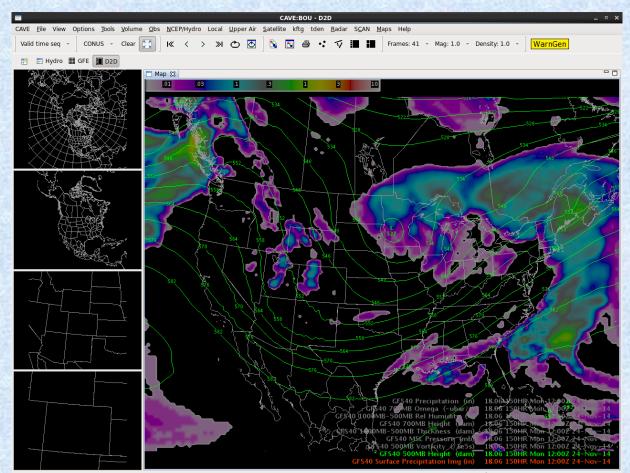


# Today



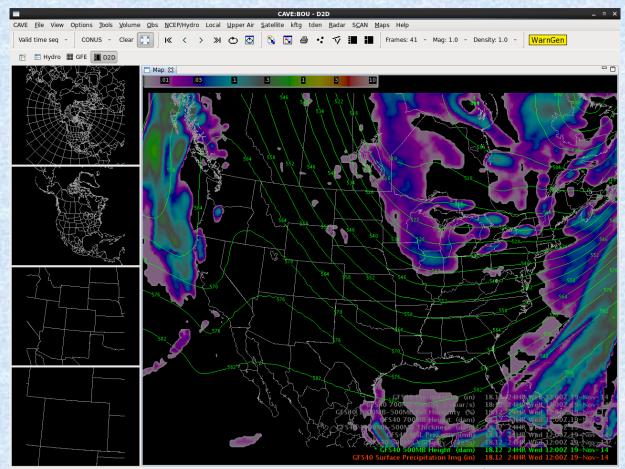
Frames: 41 Time: 15:51Z 18-Nov-14

#### Next Monday



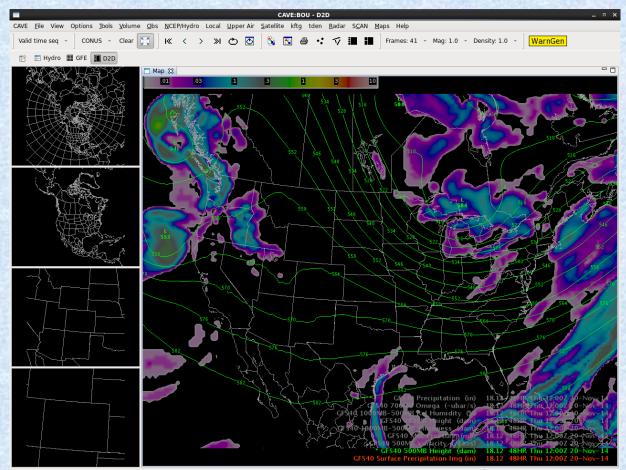
Frames: 41 Time: 15:53Z 18-Nov-14

## Wednesday



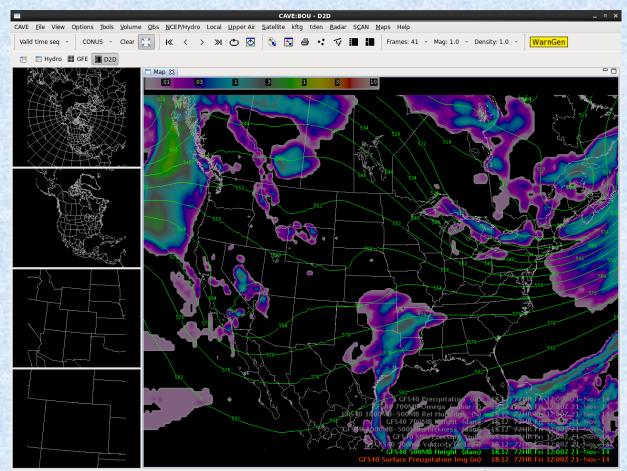
Frames: 41 Time: 15:53Z 18-Nov-14

## Thursday



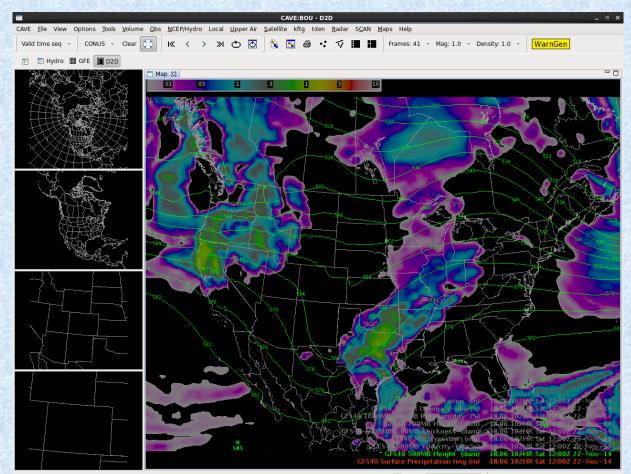
Frames: 41 Time: 15:54Z 18-Nov-14

# Friday



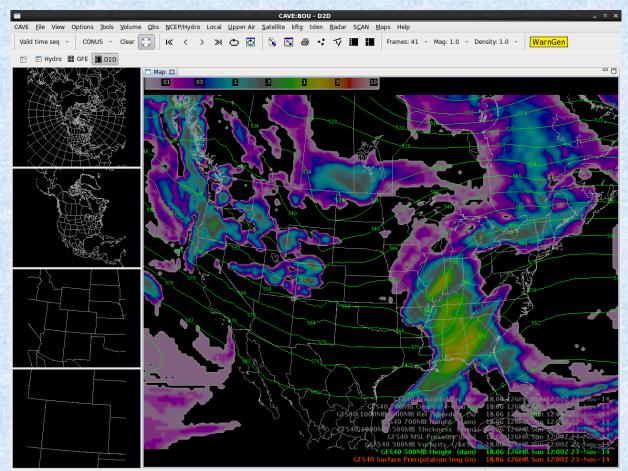
Frames: 41 Time: 15:55Z 18-Nov-14

## Saturday



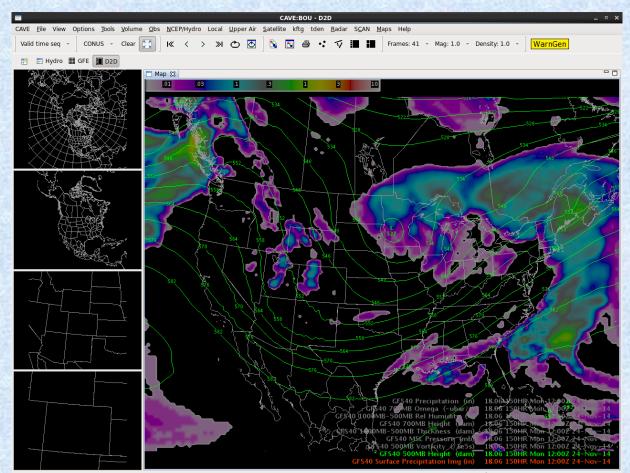
Frames: 41 Time: 15:55Z 18-Nov-14

## Sunday



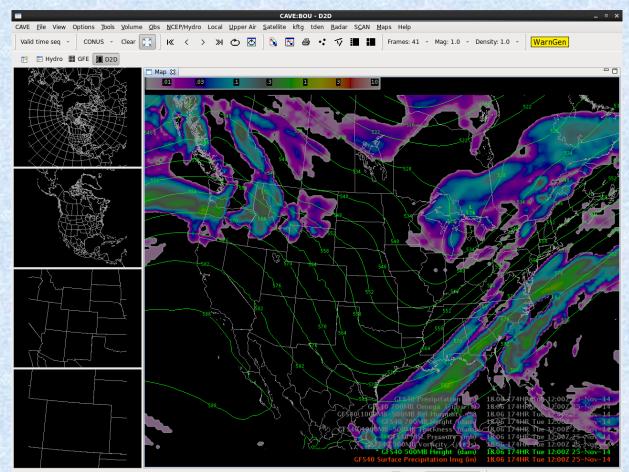
Frames: 41 Time: 15:56Z 18-Nov-14

#### Next Monday



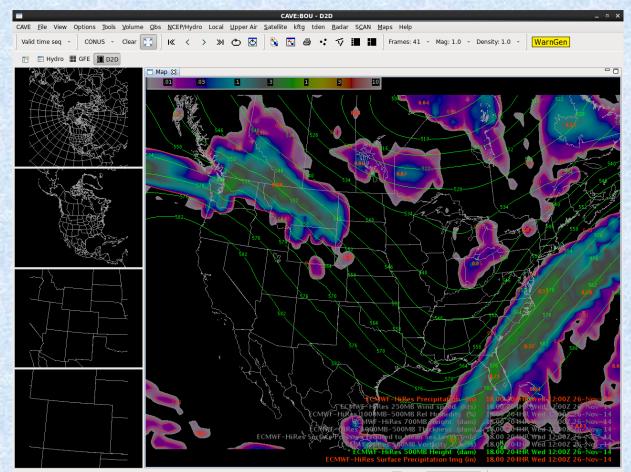
Frames: 41 Time: 15:53Z 18-Nov-14

### Next Tuesday



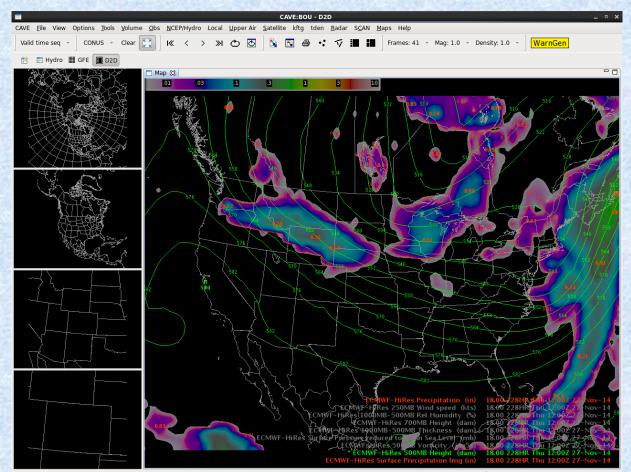
Frames: 41 Time: 15:57Z 18-Nov-14

#### Next Wednesday



Frames: 41 Time: 16:00Z 18-Nov-14

## Thanksgiving – snow??



Frames: 41 Time: 16:00Z 18-Nov-14

### **Snow Probabilities Saturday**

|   | E:BOU - GFE(BoulderGFE) _   |
|---|---|
| AVE GFE WeatherElement Populate Grids Edit Consistency Products Maps  |   |
| $\boxed{\square} \  \   \longrightarrow \  \   \rightarrow + D  \text{Normal} \  \   \land   \bigcirc  \boxed{\square}  \  \   \square  \square  \  \   \land   \land  \  \   \square  \square  \square  \square  \square  \square  \square  \square  \square  $  | $J \mid 2 = 0 > 0 = T C ? = V \mid Q \mid 1 \mid 2 \mid 3 \mid 4 \mid 5$  |
| 🖹 🗄 Hydro 🔳 GFE 🔳 D2D   |   |
|   | ]*Map 🕱 🗖 🗖   |
| Day 4         Yes         Yes         Day 6           Nov 22 (Sat)         Nov 23 (Sun)         Nov 24           06         12         18         06           17         SFC         Fcst (BOU)         10         10  | 3.8   |
| Td SFC Fcst (BOU)<br>MaxT SFC Fcst (BOU)<br>  | 27<br>61<br>5<br>5  |
| Wind SFC Fcst (BOU)<br> WindGust SFC Fcst (BOU)<br> Sky SFC Fcst (BOU)  | 19<br>22 5  |
| Wx SFC         Fcst         (BOU)         0 | Info         T         SFC Fcst (BOU) (F)         Ih Sat 20Z 22-Nov-14           SFC Fcst (BOU) (F)         Ih Sat 20Z 22-Nov-14         SFC Fcst (BOU) (F)         Ih Sat 20Z 22-Nov-14           Max         SFC Fcst (BOU) (F)         13h Sat 14Z 22-Nov-14         SFC Fcst (BOU) (F)         13h Sat 14Z 22-Nov-14           Max         SFC Fcst (BOU) (F)         13h Sat 14Z 22-Nov-14         SFC Fcst (BOU) (F)         13h Sat 14Z 22-Nov-14  |
| SnowAmt SFC Fest (BOU)  | Wind         SFC Fest (BOU) (ktg) Th Sat 202 22-Nov-14           WindGust         SFC Fest (BOU) (ktg) Th Sat 202 22-Nov-14           Sky         SFC Fest (BOU) (ktg) Th Sat 202 22-Nov-14   |
| ]StormTotalSnow SFC Fcst (BOU)  | Wx         SFC Fcst (BOU) (wx)         6h Sat 18Z 22-Nov-14           (edit) PoP         SFC Fcst (BOU) (%)         6h Sat 18Z 22-Nov-14  |
| ]SnowLevel SFC Fcst (BOU)<br>]RH SFC Fcst (BOU)<br>]FzLevel SFC Fcst (BOU)  | OPF         SFC Fcst (BOU) (in) <no grid="">           SnowAgnt         SFC Fcst (BOU) (in)         <no grid="">           StormTotalSnow SFC Fcst (BOU) (in)         <no grid="">           6         SnowLevel         SFC Fcst (BOU) (in)         <no grid="">           7         ShowLevel         SFC Fcst (BOU) (in)         <no grid="">           8         ShowLevel         SFC Fcst (BOU) (in)         No Grid&gt;           7         FzLevel         SFC Fcst (BOU) (in)         No Grid&gt;           8         FzLevel         SFC Fcst (BOU) (in)         No Grid&gt;           1         Hazards         SFC Fcst (BOU) (in)         No Grid&gt;           1         Heatindex         SFC Fcst (BOU) (in)         No Grid&gt;</no></no></no></no></no> |
| Hazards SEC Eest (BOII)   | ISCxmt: Time: 16:052 18-Nov-14  |

## **Snow Probabilities Sunday**

|   | CAVE:BOU - GFE(Bould   | lerGFE)  |                        | 14 1 C C C C C C C C C C C C C C C C C C |  | _ = ×  |
|---|--|--|------------------------|--|--|--|
| CAVE <u>G</u> FE <u>W</u> eatherElement <u>P</u> opulate <u>G</u> rids <u>E</u> dit <u>C</u> onsistency <u>P</u> roducts <u>M</u>             |  |  |                        |  |  |  |
| $\boxed{\square} \iff \leftrightarrow \rightarrow \leftarrow D  \text{Normal } \sim \bigcirc \boxed{\square}  \blacksquare  < \ >  \boxed{E}$ | : U 📴 🎯 🍗  | 00 🖝 🛛 1   | <b>r c</b> ? ]-        | - Q 1                                    | 2 3 4 5  |  |
| 📑 🗄 Hydro 🔳 GFE 🗐 D2D   | *  |  |                        | 1  |  |  |
|   | ]  |  |                        |  |  | - 0  |
| Nov 22 Nov 23 (Sun) Nov 24 (Mon)  | Q 10   |  |                        | 50 60                                    | 70 80  | 90   |
| 18 06 12 18 06 12 18  |  |  |                        |  | 2  | 2  |
|   |  |  |                        |  |  | ~  |
| T SFC Fcst (BOU)  |  |  |                        |  |  | The Party of the P |
| Td SFC Fcst (BOU)   |  | 32   |                        | 1  |  |  |
| ******  | E CONTRACTOR   |  | 61                     |  | 8 8  |  |
| MaxT SFC Fcst (BOU)   | 1000   |  |                        |  |  |  |
| MinT SFC Fcst (BOU)   | ALC: NO.   |  | 22                     |  |  | 1  |
| c c   |  |  | 444                    |  | 10   |  |
| Wind SFC Fost (BOU)   | State of the local division of the local div | 3  | 6                      | July 1                                   | 9  |  |
| WindGust SFC Fcst (BOU)   | The second   |  | 38                     | 1  | 9  |  |
|   | ,  | 42   |                        | 1.4                                      |  |  |
| Sky SFC Fcst (BOU)  |  | -12  | 50                     | 1. 11                                    | 11   | 12   |
| ς ς ς ς ς ς ς ς ο ς<br>□Wx SFC Fcst (BOU)   | Chan.  |  | 1                      | 13                                       |  |  |
|   | A COLOR  |  |                        |  | 9  |  |
| ⊠PoP SFC Fcst (BOU)   | A  | 19   | -                      | SFC Fcst (BOI                            | D (E) 1b Sup 1   | 9Z 23-Nov-14   |
| ○   | Constant State   | and the second   | Td                     | SFC Fcst (BOI                            | J) (F) 1h Sun 1  | 9Z 23-Nov-14   |
|   |  |  | Min                    | SFC Fcst (BOU<br>SFC Fc                  | st (BOU) (F) <n< td=""><td>4Z-23-Nov-14<br/>o Grid&gt;</td></n<>   | 4Z-23-Nov-14<br>o Grid>  |
| SnowAmt SFC Fcst (BOU)  |  |  |                        |  | ) (kts) 7 n Sun 1<br>) (kts) 1 h Sun 1                             |  |
| StormTotalSnow SFC Fcst (BOU)   |  |  |                        | SFC Fest (BOL                            | l) (%) 6h Sun 1<br>) (wx) 6h Sun 1                                 | 87 23 Nov-14   |
|   | Sector 1   | (edi   | it) PoP                | SFC Fcst (BOL                            | J) (%) 6h Sun 1  | 8Z 23-Nov-14   |
| SnowLevel SFC Fcst (BOU)  | The martin   | a  | QPF<br>SnowA           |  | st (BOU) (in) <n<br>st (BOU) (in)  <n< td=""><td></td></n<></n<br> |  |
|   | 5  |  | StormTota<br>SnowLevel | SFC Fcst (BO                             |  | o Grid><br>9Z 23-Nov-14  |
| RH SFC Fcst (BOU)   |  |  | RH                     | SFC Fcst (BOL                            | l) (%) 1h Sun 1  | 9Z 23-Nov-14   |
| FzLevel SFC Fcst (BOU)  |  | State of the local division of the local div | FzLe<br>Hazards        | SFC Fcst                                 | st (BOU) (ft) <n<br>(BOU) (wwa) <n< td=""><td></td></n<></n<br>    |  |
|   |  |  | Heatin                 |  | st (BOU) (F) <n<br>st (BOU) (F) <n< td=""><td></td></n<></n<br>    |  |
| Hazards SEC Ecst (BOII)   |  |  | mt: 🔼 Time: 14         |  |  |  |

ISCxmt: 🌅 Time: 16:05Z 18-Nov-14

## **Snow Probabilities Monday**

| Nov 23 (Sun)         Nov 24 (Mon)         Nov 25           06         12         18         06         12         10         6         9           T SFC         Fcst (B0U)         10         10         17         54         5         7           MaxT SFC         Fcst (B0U)         17         54         5         7         6           Wind SFC         Fcst (B0U)         12         10         12         12         12         13         14   |   | CAVE:BOU - GFE(BoulderGFE) _ D X   |
|--|---|--|
| Image:  | CAVE GFE WeatherElement Populate Grids Edit Consistency Products May  |  |
| Old Manager       Image 20   | $\boxed{[]} \implies \leftrightarrow \rightarrow D  \text{Normal}  \checkmark  \boxed{[]}  \boxed{[]}  \boxed{[]}  <  >  \boxed{E}$ | $U \mid 2 \otimes h \oplus r \mid T C ? \mid = \cdot \mid Q \mid 1 \mid 2 \mid 3 \mid 4 \mid 5$  |
| Nov 23         Nov 24         Nov 24           Nov 23         Nov 24         Nov 24           06         12         13         06         12         13           17         SFC         Fcst (B0U)         12         13         10  | 🖹 🗄 Hydro 🔳 GFE 🔳 D2D   |  |
| Nov 23 (Sun)         Nov 24 (Men)         Nov 25           09         12         13         06         0           1         5C         Fest (BOU)         0         0           1         7SFC         Fest (BOU)         0         0           Mint SFC         Fest (BOU)         0         0         0           Mind SFC         Fest (BOU)         0         0         0           Sky SFC         Fest (BOU)         0         0         0         0  |   |  |
| Image: SFC_Fcst (B0U)         Mint SFC_Fcst (B0U)         Mind SFC_Fcst (B0U)         Mind SFC_Fcst (B0U)         Mind SFC_Fcst (B0U)         Sky SFC_Fcst (B0U)         Sky SFC_Fcst (B0U)         Mind SFC_Fcst (B0U)         Sky SFC_Fcst (B0U)         Score set (B0U)         Score set (B0U)         Store Fcst (B0U)         Store Fcst (B0U)         Store Fcst (B0U)         Score set (B0U)         Store Fcst (B0U)  | Nov 23 (Sun)         Nov 24 (Mon)         Nov 25           06         12         18         06         12         18           <    |  |
| Wind SFC       Fest (B0U)         WindGust SFC       Fest (B0U)         Sky SFC       Fest (B0U)         Wx SFC       Fest (B0U)         Wx SFC       Fest (B0U)         Pop SFC       Fest (B0U)         ShowAmt SFC       Fest (B0U)         StormTotalSnow SFC       Fest (B0U)         StormTotalSnow SFC       Fest (B0U)         RH SFC       Fest (B0U)         Felevel SFC       Fest (B0U)       Felevel SFC   | □Td SFC Fcst (BOU)  | 54   |
| Image of C = root (coo)       Image of C = root (coo)         WindGust SFC Fcst (BOU)       Image of C = root (coo)         Sky SFC Fcst (BOU)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)         Image of C = root (coo)       Image of C = root (coo)   | C O O O O O O O O O O O O O O O O O O O   |  |
| Sky SFC       Fest (B0U)       7       6         Sky SFC       Fest (B0U)       6       7       6         Wx SFC       Fest (B0U)       6       6       6         PoP SFC       Fest (B0U)       6       6       6         OPF SFC       Fest (B0U)       6       6       6         SnowAmt SFC       Fest (B0U)       6       6       6         StormTotalSnow SFC       Fest (B0U)       6       6       6         SnowLevel SFC       Fest (B0U)       6       6       6         RH SFC       Fest (B0U)       8       6       6         SnowLevel SFC       Fest (B0U)       8       6       6         Felevel SFC       Fest (B0U)       6       6       6         Felevel SFC       Fest (B0U)       6       6       6         StormTotalSnow SFC       Fest (B0U)       8       6       8       6         StormTotalSnow SFC  |   |  |
| C        | □sky sFC Fcst (B0U)   | 0 29 20  |
| Image: Construction of the second   | Wx SFC Fcst (BOU)   |  |
| SnowAmt SFC       Fcst (BOU)         StormTotalSnow SFC       Fcst (BOU)         StormTotalSnow SFC       Fcst (BOU)         StormTotalSnow SFC       Fcst (BOU)         SnowLevel SFC       Fcst (BOU)         RH       SFC         Fc. Fcst (BOU)       SFC         FzLevel SFC       Fcst (BOU)         FzLevel SFC       Fcst (BOU)         SFC       Fcst (BOU)         Mind       SFC         FzLevel SFC       Fcst (BOU)         SFC       Fcst (BOU)         Wind       SFC         SFC       Fcst (BOU)         SFC       Fcst  |   | Td SFC Fcst (BOU) (F) 1h Mon 212 24-Nov-14<br>Td SFC Fcst (BOU) (F) 1h Mon 212 24-Nov-14   |
| StormTotalSnow SFC Fcst (BOU) (%) 6h Mon 182 24 Nov-14<br>SFC Fcst (BOU) (%) 6h Mon 182 24 Nov-14<br>SFC Fcst (BOU) (%) 6h Mon 182 24 Nov-14<br>(edit) PoP<br>SFC Fcst (BOU) (%) 6h Mon 182 24 Nov-14<br>OPF<br>SFC Fcst (BOU) (%) 6h Mon 182 24 Nov-14<br>SFC   |   | MinT SFC Fcst (BOU) (F) <no grid=""><br/>Wind SFC Fcst (BOU) (kts)7771 Mon 21Z 24-Nov-14</no>  |
| ShowLevel SFC Fcst (B0U) ShowLevel SFC Fcst (B0U) (in) <no grid=""> RH SFC Fcst (B0U) (in) <no grid=""> RH SFC Fcst (B0U) (in) <no grid=""> RH SFC Fcst (B0U) (in) <no grid=""> FzLevel SFC Fcst (B0U) (in) <no grid=""> RH SFC Fcst (B0U) (in) <no gr<="" td=""><td>□StormTotalSnow SF¢ Fcst (B0U)</td><td>Sky         SFC Fest (BOU) (%)         6h Mon 182 24-Nov-14           SFC Fest (BOU) (wx)         6h Mon 182 24-Nov-14           SFC Fest (BOU) (%)         6h Mon 182 24-Nov-14           SFC Fest (BOU) (%)         6h Mon 182 24-Nov-14</td></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no></no> | □StormTotalSnow SF¢ Fcst (B0U)  | Sky         SFC Fest (BOU) (%)         6h Mon 182 24-Nov-14           SFC Fest (BOU) (wx)         6h Mon 182 24-Nov-14           SFC Fest (BOU) (%)         6h Mon 182 24-Nov-14           SFC Fest (BOU) (%)         6h Mon 182 24-Nov-14 |
|  |   | Snow/ent SFC Fcst (BOU) (in) <no grid=""><br/>StormTotalSnow SFC Fcst (BOU) (in) <no grid=""></no></no>  |
| WindChill SEC.Ecst (BOLI) (E) < No Grid  |   | RH SFC Fcst (COU) (%) 1h Mon 21Z 24-Nov-14<br>FzLevel SFC Fcst (BOU) (ft) - No Grid><br>Hazards SFC Fcst (BOU) (wwa) <no grid=""></no>   |
|  | Hazards SEC Fost (Roll)   |  |

