```
1:0:d=2017120114:HGT:50 mb:anl:
                                                                                                      Geopotential Height (m)
2:723120:d=2017120114:TMP:50 mb:anl:
                                                                                                                    Temperature (K)
                                                                                                         Relative Humidity (%)
3:1298061:d=2017120114:RH:50 mb:anl:
4:1784399:d=2017120114:DPT:50 mb:anl:
                                                                                                                       Dew Point (K)
5:1784587:d=2017120114:SPFH:50 mb:anl:
                                                                                                   Specific Humidity (kg/kg)
6:2832634:d=2017120114:VVEL:50 mb:anl:
                                                                                 Vertical Velocity (pressure) (Pa/s)
7:3488504:d=2017120114:UGRD:50 mb:anl:
                                                                                                        U-Component Wind (m/s)
8:4069209:d=2017120114:VGRD:50 mb:anl:
                                                                                                        V-Component Wind (m/s)
9:4641753:d=2017120114:ABSV:50 mb:anl:
10:4934991:d=2017120114:CLWMR:50 mb:anl:
                                                                                      Cloud Water Mixing Ratio (kg/kg)
11:4935179:d=2017120114:CICE:50 mb:anl:
                                                                                          Cloud Ice Mixing Ratio (kg/kg)
12:4935367:d=2017120114:RWMR:50 mb:anl:
                                                                                                  Rain Mixing Ratio (kg/kg)
13:4935555:d=2017120114:SNMR:50 mb:anl:
                                                                                                   Snow Mixing Ratio (kg/kg)
14:4935959:d=2017120114:GRLE:50 mb:anl:
                                                                                             Graupel Mixing Ratio (kg/kg)
Levels = [50 \text{ mb}, 75 \text{ mb}, 100 \text{ mb}, 125 \text{ mb}, 150 \text{ mb}, 175 \text{ mb}, 200 \text{ mb}, 225 \text{ mb}, 250 \text{ mb},
275 mb, 300 mb, 325 mb, 350 mb, 375 mb, 400 mb, 425 mb, 450 mb, 475 mb, 500 mb,
525 mb, 550 mb, 575 mb, 600 mb, 625 mb, 650 mb, 675 mb, 700 mb, 725 mb, 750 mb,
775 mb, 800 mb, 825 mb, 850 mb, 875 mb, 900 mb, 925 mb, 950 mb, 975 mb, 1000 mb,
1013.2 mb]
15:4936147:d=2017120114:HGT:75 mb:anl:
                                                                            87:27473101:d=2017120114:RH:200 mb:anl
16:5671142:d=2017120114:TMP:75 mb:anl:
                                                                            88:28066442:d=2017120114:DPT:200 mb:anl:
17:6240725:d=2017120114:RH:75 mb:anl:
                                                                            89:28578829:d=2017120114:SPFH:200 mb:anl:
18:6749209:d=2017120114:DPT:75 mb:anl:
                                                                            90:29563978:d=2017120114:VVEL:200 mb:anl:
19:6749653:d=2017120114:SPFH:75 mb:anl:
                                                                            91:29645840:d=2017120114:UGRD:200 mb:anl:
20:7361419:d=2017120114:VVEL:75 mb:anl:
21:7923689:d=2017120114:UGRD:75 mb:anl:
                                                                            92:30232638:d=2017120114:VGRD:200 mb:anl:
93:30813577:d=2017120114:ABSV:200 mb:anl:
22:8511874:d=2017120114:VGRD:75 mb:anl:
23:9088476:d=2017120114:ABSV:75 mb:anl:
                                                                            94:31386162:d=2017120114:CLWMR:200 mb:anl:
                                                                            95:31386350:d=2017120114:CICE:200 mb:anl:
24:9661582:d=2017120114:CLWMR:75 mb:anl:
                                                                            96:31386759:d=2017120114:RWMR:200 mb:anl:
25:9661770:d=2017120114:CICE:75 mb:anl: 26:9661958:d=2017120114:RWMR:75 mb:anl:
                                                                            97:31386947:d=2017120114:SNMR:200 mb:anl:
                                                                            98:31387768:d=2017120114:GRLE:200 mb:anl:
27:9662146:d=2017120114:SNMR:75 mb:anl: 28:9662412:d=2017120114:GRLE:75 mb:anl:
                                                                            99:31387956:d=2017120114:HGT:225 mb:anl:
                                                                            100:32155214:d=2017120114:TMP:225 mb:anl:
29:9662600:d=2017120114:HGT:100 mb:anl:
                                                                            101:32685291:d=2017120114:RH:225 mb:anl:
30:10406944:d=2017120114:TMP:100 mb:anl:
                                                                             102:33294055:d=2017120114:DPT:225 mb:anl:
                                                                            103:33878709:d=2017120114:SPFH:225 mb:anl:
31:10960302:d=2017120114:RH:100 mb:anl:
32:11400009:d=2017120114:DPT:100 mb:anl:
                                                                            104:35038778:d=2017120114:VVEL:225 mb:anl:
33:11402450:d=2017120114:SPFH:100 mb:anl:
34:11687121:d=2017120114:VVEL:100 mb:anl:
                                                                            105:35087057:d=2017120114:UGRD:225 mb:anl:
106:35670774:d=2017120114:VGRD:225 mb:anl:
35:11687384:d=2017120114:UGRD:100 mb:anl:
                                                                             107:36253791:d=2017120114:ABSV:225 mb:anl:
36:12279602:d=2017120114:VGRD:100 mb:anl: 37:12852603:d=2017120114:ABSV:100 mb:anl:
                                                                            108:36834763:d=2017120114:CLWMR:225 mb:anl:
                                                                            109:36834951:d=2017120114:CICE:225 mb:anl:
38:13109353:d=2017120114:CLWMR:100 mb:anl:
                                                                            110:36835575:d=2017120114:RWMR:225 mb:anl:
39:13109541:d=2017120114:CICE:100 mb:anl:
                                                                            111:36835763:d=2017120114:SNMR:225 mb:anl:
40:13109729:d=2017120114:RWMR:100 mb:anl:
41:13109917:d=2017120114:SNMR:100 mb:anl:
                                                                            112:36838764:d=2017120114:GRLE:225 mb:anl:
                                                                            113:36839037:d=2017120114:HGT:250 mb:anl:
                                                                            114.37601823.d=2017120114.TMP.250 mb.anl.
43:13110421:d=2017120114:HGT:125 mb:anl:
                                                                            115:38113580:d=2017120114:RH:250 mb:anl:
44:13870206:d=2017120114:TMP:125 mb:anl:
45:14423111:d=2017120114:RH:125 mb:anl:
                                                                             116:38736165:d=2017120114:DPT:250 mb:anl:
                                                                            117:39382295:d=2017120114:SPFH:250 mb:anl:
46:14847409:d=2017120114:DPT:125 mb:anl:
                                                                            118:40158455:d=2017120114:VVEL:250 mb:anl:
47:14851537:d=2017120114:SPFH:125 mb:anl: 48:15456209:d=2017120114:VVEL:125 mb:anl:
                                                                            119:40238198:d=2017120114:UGRD:250 mb:anl:
                                                                            120:40828810:d=2017120114:VGRD:250 mb:anl:
49:15463658:d=2017120114:UGRD:125 mb:anl: 50:16053318:d=2017120114:VGRD:125 mb:anl:
                                                                            121:41408410:d=2017120114:ABSV:250 mb:anl: 122:41988744:d=2017120114:CLWMR:250 mb:anl:
51:16622918:d=2017120114:ABSV:125 mb:anl:
                                                                            123:41988932:d=2017120114:CICE:250 mb:anl:
52:16878210:d=2017120114:CLWMR:125 mb:anl:
                                                                            124:41997650:d=2017120114:RWMR:250 mb:anl:
53:16878398:d=2017120114:CICE:125 mb:anl:
                                                                            125:41997838:d=2017120114:SNMR:250 mb:anl:
54:16878586:d=2017120114:RWMR:125 mb:anl:
                                                                            126:42007494:d=2017120114:GRLE:250 mb:anl:
                                                                            127:42007856:d=2017120114:HGT:275 mb:anl: 128:42764389:d=2017120114:TMP:275 mb:anl:
55:16878774:d=2017120114:SNMR:125 mb:anl:
56:16879098:d=2017120114:GRLE:125 mb:anl:
                                                                            129:43269981:d=2017120114:RH:275 mb:anl:
130:43904444:d=2017120114:DPT:275 mb:anl:
131:44591408:d=2017120114:SPFH:275 mb:anl:
  :16879286:d=2017120114:HGT:150 mb:anl:
58:17639236:d=2017120114:TMP:150 mb:anl: 59:18199930:d=2017120114:RH:150 mb:anl:
60:18709211:d=2017120114:DPT:150 mb:anl:
                                                                            132:45512971:d=2017120114:VVEL:275 mb:anl:
61:18863498:d=2017120114:SPFH:150 mb:anl:
                                                                            133:45625860:d=2017120114:UGRD:275 mb:anl:
62:19547402:d=2017120114:VVEL:150 mb:anl:63:19575542:d=2017120114:UGRD:150 mb:anl:
                                                                            134:46215475:d=2017120114:VGRD:275 mb:anl:
135:46793847:d=2017120114:ABSV:275 mb:anl:
64:20163489:d=2017120114:VGRD:150 mb:anl:
                                                                             136:47383530:d=2017120114:CLWMR:275 mb:anl:
65:20731795:d=2017120114:ABSV:150 mb:anl:
                                                                            137:47383718:d=2017120114:CICE:275 mb:anl:
66:21302060:d=2017120114:CLWMR:150 mb:an1:
                                                                            138:47406526:d=2017120114:RWMR:275 mb:anl:
67:21302248:d=2017120114:CICE:150 mb:anl: 68:21302436:d=2017120114:RWMR:150 mb:anl:
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                                                                            140:47414800:d=2017120114:GRLE:275 mb:anl:
69:21302624:d=2017120114:SNMR:150 mb:anl:
                                                                            141:47415304:d=2017120114:HGT:300 mb:anl:
70:21303114:d=2017120114:GRLE:150 mb:anl:
                                                                            142:48165276:d=2017120114:TMP:300 mb:anl:
71:21303302:d=2017120114:HGT:175 mb:anl: 72:22061058:d=2017120114:TMP:175 mb:anl:
                                                                            143:48667153:d=2017120114:RH:300 mb:anl: 144:49301188:d=2017120114:DPT:300 mb:anl:
73:22614166:d=2017120114:RH:175 mb:anl:
74:23193508:d=2017120114:DPT:175 mb:anl:
                                                                            145:50030233:d=2017120114:SPFH:300 mb:anl:
                                                                            146:51079807:d=2017120114:VVEL:300 mb:anl:
75:23549867:d=2017120114:SPFH:175 mb:anl:
                                                                            147:51195095:d=2017120114:UGRD:300 mb:anl:
76:24379724:d=2017120114:VVEL:175 mb:anl:
                                                                            148:51784082:d=2017120114:VGRD:300 mb:anl:
77:24442003:d=2017120114:UGRD:175 mb:anl:
                                                                            149:52364126:d=2017120114:ABSV:300 mb:anl:
78:25031196:d=2017120114:VGRD:175 mb:anl: 79:25608835:d=2017120114:ABSV:175 mb:anl:
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80:26176451:d=2017120114:CLWMR:175 mb:anl:
81:26176639:d=2017120114:CICE:175 mb:anl:
                                                                            152:52999545:d=2017120114:RWMR:300 mb:anl:
                                                                            153:52999861:d=2017120114:SNMR:300 mb:anl:
82:26176908:d=2017120114:RWMR:175 mb:anl:
                                                                             154:53021845:d=2017120114:GRLE:300 mb:anl:
83:26177096:d=2017120114:SNMR:175 mb:anl:
                                                                             155:53022252:d=2017120114:HGT:325 mb:anl:
84:26177702:d=2017120114:GRLE:175 mb:anl:
                                                                            156:53764512:d=2017120114:TMP:325 mb:anl: 157:54275271:d=2017120114:RH:325 mb:anl:
85:26177890:d=2017120114:HGT:200 mb:anl:
86:26935258:d=2017120114:TMP:200 mb:anl:
                                                                            158:54915536:d=2017120114:DPT:325 mb:anl:
```

264:99021115:d=2017120114:RWMR:500 mb:anl:

```
159:55662466:d=2017120114:SPFH:325 mb:anl:
160:56833529:d=2017120114:VVEL:325 mb:anl:
                                                                                               265:99023143:d=2017120114:SNMR:500 mb:anl:
266:99095012:d=2017120114:GRLE:500 mb:anl:
161:56958480:d=2017120114:UGRD:325 mb:anl:
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162:57546321:d=2017120114:VGRD:325 mb:anl:
163:58122114:d=2017120114:ABSV:325 mb:anl:
                                                                                               268:99795486:d=2017120114:TMP:525 mb:anl:
                                                                                               269:100349525:d=2017120114:RH:525 mb:anl: 270:101010577:d=2017120114:DPT:525 mb:anl:
164:58720864:d=2017120114:CLWMR:325 mb:anl:
165:58721428:d=2017120114:CICE:325 mb:anl:
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166:58770182:d=2017120114:RWMR:325 mb:anl:
                                                                                               272:103115061:d=2017120114:VVEL:525 mb:anl:
167:58770616:d=2017120114:SNMR:325 mb:anl:
                                                                                                273:103348244:d=2017120114:UGRD:525 mb:anl:
168:58786160:d=2017120114:GRLE:325 mb:anl:
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172:60677975:d=2017120114:DPT:350 mb:anl:
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                                                                                               279.105168701.d=2017120114.SNMR.525 mb.anl.
174:62743186:d=2017120114:VVEL:350 mb:anl:
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175:62928030:d=2017120114:UGRD:350 mb:anl: 176:63514819:d=2017120114:VGRD:350 mb:anl:
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                                                                                               282:105945233:d=2017120114:TMP:550 mb:anl:
283:106498853:d=2017120114:RH:550 mb:anl:
284:107163350:d=2017120114:DPT:550 mb:anl:
177:64083191:d=2017120114:ABSV:350 mb:anl: 178:64683846:d=2017120114:CLWMR:350 mb:anl:
179:64685344:d=2017120114:CICE:350 mb:anl:
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                                                                                               287:109563456:d=2017120114:UGRD:550 mb:anl:
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                                                                                               289:110725992:d=2017120114:ABSV:550 mb:anl:
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                                                                                               290:111336157:d=2017120114:CLWMR:550 mb:anl:
185:66006454:d=2017120114:RH:375 mb:anl:
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187:67438330:d=2017120114:SPFH:375 mb:an1:
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                                                                                               295:111471640:d=2017120114:HGT:575 mb:anl:
296:112170720:d=2017120114:TMP:575 mb:anl:
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191:69557857:d=2017120114:ABSV:375 mb:anl: 192:70159583:d=2017120114:CLWMR:375 mb:anl:
                                                                                               297:112729070:d=2017120114:RH:575 mb:anl:
                                                                                               298:113416821:d=2017120114:DPT:575 mb:anl:
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197:70253205:d=2017120114:HGT:400 mb:anl:
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199:71495074:d=2017120114:RH:400 mb:anl:
200:72137308:d=2017120114:DPT:400 mb:anl:
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201:72920260:d=2017120114:SPFH:400 mb:anl:
                                                                                                307:117603264:d=2017120114:SNMR:575 mb:anl:
202:73798569:d=2017120114:VVEL:400 mb:anl: 203:73948107:d=2017120114:UGRD:400 mb:anl:
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                                                                                               309:117691916:d=2017120114:HGT:600 mb:anl:
310:118390177:d=2017120114:TMP:600 mb:anl:
204:74527771:d=2017120114:VGRD:400 mb:anl: 205:75097634:d=2017120114:ABSV:400 mb:anl:
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207:75695458:d=2017120114:CICE:400 mb:anl:
                                                                                               312:119634526:d=2017120114:DPT:600 mb:anl:
                                                                                               313:120571662:d=2017120114:SPFH:600 mb:anl:
208:75756729:d=2017120114:RWMR:400 mb:anl:
                                                                                               314:121944881:d=2017120114:VVEL:600 mb:anl:
209:75757177:d=2017120114:SNMR:400 mb:anl:
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317:123374290:d=2017120114:ABSV:600 mb:anl:
211:75795001:d=2017120114:HGT:425 mb:anl:
212:76503956:d=2017120114:TMP:425 mb:anl:
                                                                                                318:123811498:d=2017120114:CLWMR:600 mb:anl:
213:77035154:d=2017120114:RH:425 mb:anl: 214:77678612:d=2017120114:DPT:425 mb:anl:
                                                                                               319:123833579:d=2017120114:CICE:600 mb:anl: 320:123855372:d=2017120114:RWMR:600 mb:anl:
                                                                                               321:123861437:d=2017120114:SNMR:600 mb:anl:
215:78488269:d=2017120114:SPFH:425 mb:anl:
216:79426633:d=2017120114:VVEL:425 mb:anl:
                                                                                               322:123948731:d=2017120114:GRLE:600 mb:anl:
217:79640165:d=2017120114:UGRD:425 mb:anl:
218:80219897:d=2017120114:VGRD:425 mb:anl:
                                                                                               323:123955408:d=2017120114:HGT:625 mb:anl:
                                                                                               324:124644258:d=2017120114:TMP:625 mb:anl:
219:80789981:d=2017120114:ABSV:425 mb:anl:
                                                                                               325:125195398:d=2017120114:RH:625 mb:anl:
220:81386736:d=2017120114:CLWMR:425 mb:anl:
                                                                                               326:125897633:d=2017120114:DPT:625 mb:anl:
221:81392426:d=2017120114:CICE:425 mb:anl:
                                                                                               327:126852701:d=2017120114:SPFH:625 mb:anl: 328:128287100:d=2017120114:VVEL:625 mb:anl:
222:81420833:d=2017120114:RWMR:425 mb:anl:
223:81421467:d=2017120114:SNMR:425 mb:anl:
                                                                                               329:128594227:d=2017120114:UGRD:625 mb:anl:
330:129188748:d=2017120114:VGRD:625 mb:anl:
224:81467797:d=2017120114:GRLE:425 mb:anl:
225:81468729:d=2017120114:HGT:450 mb:anl:
                                                                                                331:129773545:d=2017120114:ABSV:625 mb:anl:
226:82174389:d=2017120114:TMP:450 mb:anl: 227:82708967:d=2017120114:RH:450 mb:anl:
                                                                                               332:130227873:d=2017120114:CLWMR:625 mb:anl:
333:130251510:d=2017120114:CICE:625 mb:anl:
228:83356736:d=2017120114:DPT:450 mb:anl:
                                                                                                334:130270901:d=2017120114:RWMR:625 mb:anl:
229:84207815:d=2017120114:SPFH:450 mb:anl:
                                                                                               335:130277897:d=2017120114:SNMR:625 mb:anl:
230:85215207:d=2017120114:VVEL:450 mb:anl:
                                                                                               336:130365025:d=2017120114:GRLE:625 mb:anl:
231:85412893:d=2017120114:UGRD:450 mb:anl:
                                                                                               337:130372540:d=2017120114:HGT:650 mb:anl:
232:85993433:d=2017120114:VGRD:450 mb:anl:
                                                                                               338:131062701:d=2017120114:TMP:650 mb:anl:
339:131620807:d=2017120114:RH:650 mb:anl:
233:86565965:d=2017120114:ABSV:450 mb:anl: 234:87166945:d=2017120114:CLWMR:450 mb:anl:
                                                                                               340:13320644:d=2017120114:DPT:650 mb:anl:
341:133273598:d=2017120114:SPFH:650 mb:anl:
342:134740884:d=2017120114:VVEL:650 mb:anl:
235:87172525:d=2017120114:CICE:450 mb:anl:
236:87198137:d=2017120114:RWMR:450 mb:anl:
237:87198905:d=2017120114:SNMR:450 mb:anl:
                                                                                               343:135032684:d=2017120114:UGRD:650 mb:anl:
238:87252289:d=2017120114:GRLE:450 mb:anl:
                                                                                               344:135625922:d=2017120114:VGRD:650 mb:anl:
239:87253395:d=2017120114:HGT:475 mb:anl:
240:87955964:d=2017120114:TMP:475 mb:anl:
                                                                                               345:136212330:d=2017120114:ABSV:650 mb:anl:
346:136670953:d=2017120114:CLWMR:650 mb:anl:
241:88493771:d=2017120114:RH:475 mb:anl:
                                                                                                347:136701353:d=2017120114:CICE:650 mb:anl:
242:89144070:d=2017120114:DPT:475 mb:anl:
                                                                                               348:136722198:d=2017120114:RWMR:650 mb:anl:
243:90000952:d=2017120114:SPFH:475 mb:anl:
                                                                                               349:136733002:d=2017120114:SNMR:650 mb:anl:
244:91053886:d=2017120114:VVEL:475 mb:anl:
                                                                                               350:136819214:d=2017120114:GRLE:650 mb:anl:
245:91252418:d=2017120114:UGRD:475 mb:anl:
                                                                                               351:136827973:d=2017120114:HGT:675 mb:anl: 352:137518354:d=2017120114:TMP:675 mb:anl: 353:138070320:d=2017120114:RH:675 mb:anl:
246:91834423:d=2017120114:VGRD:475 mb:anl:
247:92406875:d=2017120114:ABSV:475 mb:anl:
248:93007337:d=2017120114:CLWMR:475 mb:anl:
                                                                                               354:138775900:d=2017120114:DPT:675 mb:anl: 355:139769080:d=2017120114:SPFH:675 mb:anl:
249:93014644:d=2017120114:CICE:475 mb:anl: 250:93059992:d=2017120114:RWMR:475 mb:anl:
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251:93062258:d=2017120114:SNMR:475 mb:anl:
252:93123671:d=2017120114:GRLE:475 mb:anl:
                                                                                                358:142197034:d=2017120114:VGRD:675 mb:anl:
253:93125345:d=2017120114:HGT:500 mb:anl:
                                                                                               359:142786118:d=2017120114:ABSV:675 mb:anl:
254:93827216:d=2017120114:TMP:500 mb:anl:
                                                                                                360:143155018:d=2017120114:CLWMR:675 mb:anl:
255:94364150:d=2017120114:RH:500 mb:anl:
256:95016615:d=2017120114:DPT:500 mb:anl:
                                                                                               361:143190507:d=2017120114:CICE:675 mb:anl: 362:143209261:d=2017120114:RWMR:675 mb:anl:
257:95885024:d=2017120114:SPFH:500 mb:anl:
258:96999856:d=2017120114:VVEL:500 mb:anl:
                                                                                               363:143222297:d=2017120114:SNMR:675 mb:anl:
                                                                                               364:143304429:d=2017120114:GRLE:675 mb:anl:
259:97208935:d=2017120114:UGRD:500 mb:anl:
                                                                                               365:143313905:d=2017120114:HGT:700 mb:anl: 366:144003942:d=2017120114:TMP:700 mb:anl:
260:97791526:d=2017120114:VGRD:500 mb:anl:
261:98365990:d=2017120114:ABSV:500 mb:anl:
                                                                                               367:144562653:d=2017120114:RH:700 mb:anl: 368:145264540:d=2017120114:DPT:700 mb:anl:
262:98969466:d=2017120114:CLWMR:500 mb:anl: 263:98980678:d=2017120114:CICE:500 mb:anl:
                                                                                               369:146245760:d=2017120114:SPFH:700 mb:anl:
```

```
370:147797051:d=2017120114:VVEL:700 mb:anl: 371:148101745:d=2017120114:UGRD:700 mb:anl:
                                                                                           466:190804942:d=2017120114:DPT:875 mb:anl:
467:191931602:d=2017120114:SPFH:875 mb:anl:
372:148691236:d=2017120114:VGRD:700 mb:anl:
                                                                                           468:193207850:d=2017120114:VVEL:875 mb:anl:
373:149280558:d=2017120114:ABSV:700 mb:anl: 374:149754132:d=2017120114:CLWMR:700 mb:anl:
                                                                                           469:193587007:d=2017120114:UGRD:875 mb:anl:
470:194203321:d=2017120114:VGRD:875 mb:anl:
                                                                                           471:194813063:d=2017120114:ABSV:875 mb:anl:
375:149798832:d=2017120114:CICE:700 mb:anl:
376:149814699:d=2017120114:RWMR:700 mb:anl:
                                                                                           472:195353212:d=2017120114:CLWMR:875 mb:anl:
377:149830878:d=2017120114:SNMR:700 mb:anl:
                                                                                           473:195539181:d=2017120114:CICE:875 mb:anl:
                                                                                           474:195557543:d=2017120114:RWMR:875 mb:anl:
378:149909113:d=2017120114:GRLE:700 mb:anl:
                                                                                           475:195589268:d=2017120114:SNMR:875 mb:anl:
379:149919269:d=2017120114:HGT:725 mb:anl: 380:150608904:d=2017120114:TMP:725 mb:anl:
                                                                                           476:195637012:d=2017120114:GRLE:875 mb:anl:
381:151175723:d=2017120114:RH:725 mb:anl: 382:151883088:d=2017120114:DPT:725 mb:anl:
                                                                                           477:195649239:d=2017120114:HGT:900 mb:anl:
                                                                                           478:196402641:d=2017120114:TMP:900 mb:anl:
383:152858209:d=2017120114:SPFH:725 mb:anl:
                                                                                           479:197021173:d=2017120114:RH:900 mb:anl:
384 · 154451265 · d=2017120114 · VVEI. · 725 mb · anl ·
                                                                                           480.197868770.d=2017120114.DPT.900 mb.anl.
385:154767765:d=2017120114:UGRD:725 mb:anl:
                                                                                           481:198981535:d=2017120114:SPFH:900 mb:anl:
386:155359068:d=2017120114:VGRD:725 mb:anl: 387:155951376:d=2017120114:ABSV:725 mb:anl:
                                                                                           482:200276650:d=2017120114:VVEL:900 mb:anl:
483:200669876:d=2017120114:UGRD:900 mb:anl:
388:156434406:d=2017120114:CLWMR:725 mb:anl:389:156490855:d=2017120114:CICE:725 mb:anl:
                                                                                           484:201289789:d=2017120114:VGRD:900 mb:anl:
485:201901684:d=2017120114:ABSV:900 mb:anl:
390:156504911:d=2017120114:RWMR:725 mb:anl:
                                                                                           486:202448265:d=2017120114:CLWMR:900 mb:anl:
391:156522746:d=2017120114:SNMR:725 mb:anl:
                                                                                           487:202646781:d=2017120114:CICE:900 mb:anl:
                                                                                           488:202664819:d=2017120114:RWMR:900 mb:anl:
392:156594988:d=2017120114:GRLE:725 mb:anl:
                                                                                           489:202700814:d=2017120114:SNMR:900 mb:anl:
490:202745822:d=2017120114:GRLE:900 mb:anl:
393:156606228:d=2017120114:HGT:750 mb:anl:
394:157296124:d=2017120114:TMP:750 mb:anl:
395:157864181:d=2017120114:RH:750 mb:anl:
                                                                                           491:202755876:d=2017120114:HGT:925 mb:anl:
396:158575689:d=2017120114:DPT:750 mb:anl:
                                                                                           492:203530233:d=2017120114:TMP:925 mb:anl:
397:159558945:d=2017120114:SPFH:750 mb:anl:
                                                                                           493:204158826:d=2017120114:RH:925 mb:anl:
494:204998378:d=2017120114:DPT:925 mb:anl:
398:160531748:d=2017120114:VVEL:750 mb:anl:
399:160865900:d=2017120114:UGRD:750 mb:anl:
                                                                                           495:206106460:d=2017120114:SPFH:925 mb:anl:
400:161459956:d=2017120114:VGRD:750 mb:anl:
                                                                                           496:207423945:d=2017120114:VVEL:925 mb:anl:
401:162055909:d=2017120114:ABSV:750 mb:anl:
                                                                                           497:207806830:d=2017120114:UGRD:925 mb:anl:
402:162553875:d=2017120114:CLWMR:750 mb:anl: 403:162616458:d=2017120114:CICE:750 mb:anl:
                                                                                           498:208428141:d=2017120114:VGRD:925 mb:anl:
499:209041110:d=2017120114:ABSV:925 mb:anl:
404:162637023:d=2017120114:RWMR:750 mb:anl:
405:162656071:d=2017120114:SNMR:750 mb:anl:
                                                                                           500:209590416:d=2017120114:CLWMR:925 mb:anl:
501:209755607:d=2017120114:CICE:925 mb:anl:
                                                                                           502:209773325:d=2017120114:RWMR:925 mb:anl:
503:209812852:d=2017120114:SNMR:925 mb:anl:
406:162723231:d=2017120114:GRLE:750 mb:anl:
407:162735239:d=2017120114:HGT:775 mb:anl:
                                                                                            504:209878018:d=2017120114:GRLE:925 mb:anl:
408:163428054:d=2017120114:TMP:775 mb:anl: 409:164001343:d=2017120114:RH:775 mb:anl:
                                                                                           505:209895050:d=2017120114:HGT:950 mb:anl:
410:164720919:d=2017120114:DPT:775 mb:anl:
411:165731941:d=2017120114:SPFH:775 mb:anl:
                                                                                           506:210692923:d=2017120114:TMP:950 mb:anl:
507:211329767:d=2017120114:RH:950 mb:anl:
                                                                                           508:212154852:d=2017120114:DPT:950 mb:anl:
509:213237674:d=2017120114:SPFH:950 mb:anl:
412:166737293:d=2017120114:VVEL:775 mb:anl:
413:167101683:d=2017120114:UGRD:775 mb:anl:
414:167697072:d=2017120114:VGRD:775 mb:anl:
                                                                                           510:214555860:d=2017120114:VVEL:950 mb:anl:
415:168296604:d=2017120114:ABSV:775 mb:anl: 416:168800351:d=2017120114:CLWMR:775 mb:anl:
                                                                                           511:214955869:d=2017120114:UGRD:950 mb:anl: 512:215582332:d=2017120114:VGRD:950 mb:anl:
417:168865151:d=2017120114:CICE:775 mb:anl:
418:168882645:d=2017120114:RWMR:775 mb:anl:
                                                                                           513:216197589:d=2017120114:ABSV:950 mb:anl:
514:216743044:d=2017120114:CLWMR:950 mb:anl:
419:168902907:d=2017120114:SNMR:775 mb:anl:
                                                                                           515:216857848:d=2017120114:CICE:950 mb:anl:
420:168965589:d=2017120114:GRLE:775 mb:anl:
                                                                                           516:216872838:d=2017120114:RWMR:950 mb:anl:
                                                                                           517:216914387:d=2017120114:SNMR:950 mb:anl:
421:168978612:d=2017120114:HGT:800 mb:anl:
422:169675870:d=2017120114:TMP:800 mb:anl:
                                                                                           518:216965954:d=2017120114:GRLE:950 mb:anl:
                                                                                           519:216978743:d=2017120114:HGT:975 mb:anl:
520:217805901:d=2017120114:TMP:975 mb:anl:
521:218455688:d=2017120114:RH:975 mb:anl:
423:170249497:d=2017120114:RH:800 mb:anl:
424:170989580:d=2017120114:DPT:800 mb:anl:
425:172017934:d=2017120114:SPFH:800 mb:anl:
                                                                                           522:219292671:d=2017120114:DPT:975 mb:anl:
426:173076056:d=2017120114:VVEL:800 mb:anl:
427:173421744:d=2017120114:UGRD:800 mb:anl:
                                                                                           523:220386513:d=2017120114:SPFH:975 mb:anl:
428:174025651:d=2017120114:VGRD:800 mb:anl:
                                                                                           524:221721026:d=2017120114:VVEL:975 mb:anl:
429:174629482:d=2017120114:ABSV:800 mb:anl:
                                                                                           525:222125725:d=2017120114:UGRD:975 mb:anl:
430:175142120:d=2017120114:CLWMR:800 mb:anl:
                                                                                           526:222756306:d=2017120114:VGRD:975 mb:anl:
431:175210108:d=2017120114:CICE:800 mb:anl:
432:175216937:d=2017120114:RWMR:800 mb:anl:
                                                                                           527:223372508:d=2017120114:ABSV:975 mb:anl:
                                                                                           528:223915020:d=2017120114:CLWMR:975 mb:anl:
433:175237815:d=2017120114:SNMR:800 mb:anl:
                                                                                           529:223987952:d=2017120114:CICE:975 mb:anl:
                                                                                           530:223993639:d=2017120114:RWMR:975 mb:anl:
434:175295523:d=2017120114:GRLE:800 mb:anl:
                                                                                           531:224032317:d=2017120114:SNMR:975 mb:anl:
435:175309073:d=2017120114:HGT:825 mb:anl:
436:176006496:d=2017120114:TMP:825 mb:anl:
                                                                                            532:224057811:d=2017120114:GRLE:975 mb:anl:
437:176588647:d=2017120114:RH:825 mb:anl:
438:177349932:d=2017120114:DPT:825 mb:anl:
                                                                                           533:224065374:d=2017120114:TMP:1000 mb:anl:
439:178401208:d=2017120114:SPFH:825 mb:anl:
                                                                                           534:224730416:d=2017120114:RH:1000 mb:anl:
440:179510234:d=2017120114:VVEL:825 mb:anl:
                                                                                           535:225582862:d=2017120114:DPT:1000 mb:anl:
441:179891643:d=2017120114:UGRD:825 mb:anl:
                                                                                           536:226660873:d=2017120114:SPFH:1000 mb:anl:
442:180499938:d=2017120114:VGRD:825 mb:anl:
                                                                                           537:227984250:d=2017120114:VVEL:1000 mb:anl:
443:181109315:d=2017120114:ABSV:825 mb:anl:
                                                                                           538:228395497:d=2017120114:UGRD:1000 mb:anl:
444:181630034:d=2017120114:CLWMR:825 mb:anl:
445:181719024:d=2017120114:CICE:825 mb:anl:
                                                                                           539:229028664:d=2017120114:VGRD:1000 mb:anl:540:229643123:d=2017120114:ABSV:1000 mb:anl:
446:181737791:d=2017120114:RWMR:825 mb:anl:
447:181760515:d=2017120114:SNMR:825 mb:anl:
                                                                                           541:230183554:d=2017120114:CLWMR:1000 mb:anl:
                                                                                           542:230237550:d=2017120114:CTCE:1000 mb:anl:
448:181815047:d=2017120114:GRLE:825 mb:anl
                                                                                            543:230237911:d=2017120114:RWMR:1000 mb:anl:
                                                                                           544:230273215:d=2017120114:SNMR:1000 mb:anl:
449:181828751:d=2017120114:HGT:850 mb:anl:
450:182540478:d=2017120114:TMP:850 mb:anl:
451:183145449:d=2017120114:RH:850 mb:anl:
                                                                                            545:230278441:d=2017120114:GRLE:1000 mb:anl:
                                                                                           546:230281542:d=2017120114:HGT:1013.2 mb:anl:
452:183943756:d=2017120114:DPT:850 mb:anl:
                                                                                           547:231177232:d=2017120114:TMP:1013.2 mb:anl:
453:185044917:d=2017120114:SPFH:850 mb:anl:
                                                                                           548:231847444:d=2017120114:RH:1013.2 mb:anl:
454:186239761:d=2017120114:VVEL:850 mb:anl:
                                                                                           549:232704091:d=2017120114:DPT:1013.2 mb:anl:
455:186613286:d=2017120114:UGRD:850 mb:anl:
                                                                                           550:233775622:d=2017120114:SPFH:1013.2 mb:anl: 551:235104086:d=2017120114:VVEL:1013.2 mb:anl:
456:187225723:d=2017120114:VGRD:850 mb:anl:
457:187840653:d=2017120114:ABSV:850 mb:anl:
458:188373683:d=2017120114:CLWMR:850 mb:anl:
                                                                                           552:235514422:d=2017120114:UGRD:1013.2 mb:anl: 553:236146464:d=2017120114:VGRD:1013.2 mb:anl:
459:188503101:d=2017120114:CICE:850 mb:anl:
                                                                                            554:236759047:d=2017120114:ABSV:1013.2 mb:anl:
460:188532345:d=2017120114:RWMR:850 mb:anl:
461:188558302:d=2017120114:SNMR:850 mb:anl:
                                                                                           555:237295732:d=2017120114:CLWMR:1013.2 mb:anl: 556:237319204:d=2017120114:CICE:1013.2 mb:anl:
462:188609565:d=2017120114:GRLE:850 mb:anl:
                                                                                           557:237395198:d=2017120114:RWMR:1013.2 mb:anl: 558:237424798:d=2017120114:SNMR:1013.2 mb:anl:
463:188622976:d=2017120114:HGT:875 mb:anl:
                                                                                           559:237426707:d=2017120114:GRLE:1013.2 mb:anl:
464:189354919:d=2017120114:TMP:875 mb:anl:
465:189974536:d=2017120114:RH:875 mb:anl:
```

```
560:237428377:d=2017120114:TSOIL:0-0 m below ground:anl:
561:239514589:d=2017120114:SOILW:0-0 m below ground:anl:
562:240736255:d=2017120114:TSOIL:0.01-0.01 m below ground:anl:
563:242820779:d=2017120114:SOILW:0.01-0.01 m below ground:anl:
564:244072287:d=2017120114:TSOIL:0.04-0.04 m below ground:anl:
565:246145628:d=2017120114:SOILW:0.04-0.04 m below ground:anl:
566:247392837:d=2017120114:TSOIL:0.1-0.1 m below ground:anl:
567:249412756:d=2017120114:SOILW:0.1-0.1 m below ground:anl:
568:250657378:d=2017120114:TSOIL:0.3-0.3 m below ground:anl:
569:252650466:d=2017120114:SOILW:0.3-0.3 m below ground:anl:
570:253895788:d=2017120114:TSOIL:0.6-0.6 m below ground:anl:
571:255914773:d=2017120114:SOILW:0.6-0.6 m below ground:anl:
572:257165999:d=2017120114:TSOIL:1-1 m below ground:anl:
573:259224053:d=2017120114:SOILW:1-1 m below ground:anl:
574:260455581:d=2017120114:TSOIL:1.6-1.6 m below ground:anl:
575:262551013:d=2017120114:SOILW:1.6-1.6 m below ground:anl:
576:263801338:d=2017120114:TSOIL:3-3 m below ground:anl:
577:265608420:d=2017120114:SOILW:3-3 m below ground:anl:
```

sfc fields appended below:

```
578:266774633:d=2017120114:REFC:entire atmosphere:anl:
579:267089366:d=2017120114:RETOP:cloud top:anl:
580:267193153:d=2017120114:VIL:entire atmosphere:anl:
581:267433948:d=2017120114:VIS:surface:anl:
582:268784292:d=2017120114:REFD:1000 m above ground:anl:
583:268921534:d=2017120114:REFD:4000 m above ground:anl:
584:269036925:d=2017120114:REFD:263 K level:anl:
585:269186569:d=2017120114:GUST:surface:anl:
586:270455091:d=2017120114:MAXUVV:400-1000 mb above ground:0-0 day max fcst:
587:270544562:d=2017120114:MAXDVV:400-1000 mb above ground:0-0 day max fcst:
588:270826881:d=2017120114:DZDT:0.5-0.8 sigma layer:0-0 day ave fcst:
589:271036327:d=2017120114:MSLMA:mean sea level:anl:
590:271654231:d=2017120114:HGT:1000 mb:anl:
591:272400841:d=2017120114:MAXREF:1000 m above ground:0-0 day max fcst:
592:272500095:d=2017120114:MXUPHL:5000-2000 m above ground::
594:272521920:d=2017120114:LTNG:entire atmosphere:anl:
595:272522108:d=2017120114: UGRD: 80 m above ground: anl:
596:273677791:d=2017120114:VGRD:80 m above ground:anl:
597:274839652:d=2017120114:PRES:surface:anl:
598:276428047:d=2017120114:HGT:surface:anl:
599:278662824:d=2017120114:TMP:surface:anl:
600:280109614:d=2017120114:ASNOW:surface:0-0 day acc fcst:
601:280109826:d=2017120114:MSTAV:0 m underground:anl:
602:281398499:d=2017120114:CNWAT:surface:anl:
603:281537456:d=2017120114:WEASD:surface:anl:
604:281917347:d=2017120114:SNOWC:surface:anl:
605:282030629:d=2017120114:SNOD:surface:anl:
606:282337303:d=2017120114: TMP: 2 m above ground: anl:
607:283626757:d=2017120114:POT:2 m above ground:anl:
608:284919883:d=2017120114:SPFH:2 m above ground:anl:
609:286176992:d=2017120114:DPT:2 m above ground:anl:
610:287273793:d=2017120114:RH:2 m above ground:anl:
611:288835446:d=2017120114:UGRD:10 m above ground:anl:
612:290079182:d=2017120114:VGRD:10 m above ground:anl:
613:291283336:d=2017120114:WIND:10 m above ground:0-0 day max fcst:
614:292500713:d=2017120114:CPOFP:surface:anl:
615:292500901:d=2017120114:PRATE:surface:anl:
616:292501089:d=2017120114:APCP:surface:0-0 hour acc fcst: Accum. since run start
    1hr Accum. (f02-f18) :APCP:surface:1-2 hour acc fcst:
                                                            Accum. Previous hour
617:292501301:d=2017120114:WEASD:surface:0-0 day acc fcst: Accum. since run start
    1hr Accum. (f02-f18) : WEASD: surface: 1-2 hour acc fcst: Accum. Previous hour
618:292501513:d=2017120114:FROZR:surface:0-0 day acc fcst: Accum. since run start
    1hr Accum. (f02-f18) :FROZR:surface:1-2 day acc fcst:
                                                            Accum. Previous hour
619:292501725:d=2017120114:SSRUN:surface:0-0 day acc fcst:
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620:292501937:d=2017120114:BGRUN:surface:0-0 day acc fcst:

621:292502149:d=2017120114:CSNOW:surface:anl:

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622:292502337:d=2017120114:CICEP:surface:anl:
623:292502525:d=2017120114:CFRZR:surface:anl:
624:292502713:d=2017120114:CRAIN:surface:anl:
625:292502901:d=2017120114:SFCR:surface:anl:
626:292503089:d=2017120114:FRICV:surface:anl:
627:293568838:d=2017120114:SHTFL:surface:anl:
628:294222892:d=2017120114:LHTFL:surface:anl:
629:295328001:d=2017120114:GFLUX:surface:anl:
630:295913701:d=2017120114:VGTYP:surface:anl:
631:296694506:d=2017120114:LFTX:500-1000 mb:anl:
632:297740639:d=2017120114:CAPE:surface:anl:
633:298005286:d=2017120114:CIN:surface:anl:
634:298348303:d=2017120114:PWAT:entire atmosphere (considered as a single layer):anl:
635:299235620:d=2017120114:LCDC:low cloud layer:anl:
636:299941357:d=2017120114:MCDC:middle cloud layer:anl:
637:300181568:d=2017120114:HCDC:high cloud layer:anl:
638:300304657:d=2017120114:TCDC:entire atmosphere:anl:
639:301087415:d=2017120114:PRES:cloud base:anl:
640:301735302:d=2017120114:HGT:cloud base:anl:
641:302748559:d=2017120114:HGT:cloud ceiling:anl:
642:303926356:d=2017120114:PRES:cloud top:anl:
643:304604205:d=2017120114:HGT:cloud top:anl:
644:305659588:d=2017120114:ULWRF:top of atmosphere:anl:
645:307335078:d=2017120114:DSWRF:surface:anl:
646:308279961:d=2017120114:DLWRF:surface:anl:
647:310048573:d=2017120114:USWRF:surface:anl:
648:310745182:d=2017120114:ULWRF:surface:anl:
649:312558209:d=2017120114:VBDSF:surface:anl:
650:313409303:d=2017120114:VDDSF:surface:anl:
651:314336726:d=2017120114:HLCY:3000-0 m above ground:anl:
652:316241783:d=2017120114:HLCY:1000-0 m above ground:anl:
653:318122045:d=2017120114:USTM:0-6000 m above ground:anl:
654:319123437:d=2017120114:VSTM:0-6000 m above ground:anl:
655:320028341:d=2017120114:VUCSH:0-1000 m above ground:anl:
656:321285984:d=2017120114:VVCSH:0-1000 m above ground:anl:
657:322539236:d=2017120114:VUCSH:0-6000 m above ground:anl:
658:323679616:d=2017120114:VVCSH:0-6000 m above ground:anl:
659:324801184:d=2017120114:HGT:OC isotherm:anl:
660:327085288:d=2017120114:RH:0C isotherm:anl:
661:327955820:d=2017120114:PRES:0C isotherm:anl:
662:328946017:d=2017120114:HGT:highest tropospheric freezing level:anl:
663:329728791:d=2017120114:RH:highest tropospheric freezing level:anl:
664:330445180:d=2017120114:PRES:highest tropospheric freezing level:anl:
665:331237293:d=2017120114:HGT:263 K level:anl:
666:331970877:d=2017120114:HGT:253 K level:anl:
667:332625231:d=2017120114:4LFTX:180-0 mb above ground:anl:
668:333598039:d=2017120114:CAPE:180-0 mb above ground:anl:
669:333917093:d=2017120114:CIN:180-0 mb above ground:anl:
670:334242286:d=2017120114:HPBL:surface:anl:
671:336957715:d=2017120114:HGT:level of adiabatic condensation from sfc:anl:
672:339709069:d=2017120114:CAPE:90-0 mb above ground:anl:
673:339925298:d=2017120114:CIN:90-0 mb above ground:anl:
674:340228654:d=2017120114:CAPE:255-0 mb above ground:anl:
675:340519169:d=2017120114:CIN:255-0 mb above ground:anl:
676:340843473:d=2017120114:HGT:equilibrium level:anl:
677:343015986:d=2017120114:PLPL:255-0 mb above ground:anl:
678:344101055:d=2017120114:RHPW:entire atmosphere:anl:
679:345258569:d=2017120114:LAND:surface:anl:
680:345309045:d=2017120114:ICEC:surface:anl:
681:345319073:d=2017120114:SBT123:top of atmosphere:anl:
682:346750086:d=2017120114:SBT124:top of atmosphere:anl:
683:349265161:d=2017120114:SBT113:top of atmosphere:anl:
684:350564115:d=2017120114:SBT114:top of atmosphere:anl:
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