

ATTACHMENT 4.

Code figures used in the MOS BUFR messages (in addition to standard BUFR code figures).

0 01 032 Generating Process and/or Model (GRIB Table A)

Code Figure

39 NGM
77 126 wave triangular, 28 layer Spectral Model (AVN run)
78 126 wave triangular, 28 layer Spectral Model (MRF run)
80 62 wave triangular, 28 layer Global Spectral Model (MRF run)
94 170 wave triangular, 42 layer Global Spectral Model (MRF run)
96 170 wave triangular, 42 layer Global Spectral Model (AVN run)

0 02 200 Objective forecast technique used

Code Figure

0 reserved
1 MOS
2 perfect prog
3 calibrated MOS
4 calibrated perfect prog
5-14 reserved
15 missing

0 60 090 Quantitative Precipitation Forecast (categories)

Code Figure

0 No precipitation
1 0.01 - 0.09 inches
2 0.10 - 0.24 inches
3 0.25 - 0.49 inches
4 0.50 - 0.99 inches
5 ≥1.00 inches
6 1.00 - 1.99 inches
7 ≥ 2.00 inches
8 2.00 - 2.99 inches
9 ≥ 3.00 inches
10-14 reserved
15 missing

0 60 091 Conditional Precipitation Type Forecast (categories)

Code Figure

0 reserved
1 freezing precipitation
2 snow
3 liquid precipitation
4 rain/snow mixed
5-6 reserved
7 missing

0 60 092 Conditional Precipitation Character Forecast (categories)

Code Figure

0 reserved
1 drizzle
2 continuous
3 showers
4-6 reserved
7 missing

0 60 093 Quantitative Snow Amount Forecast (categories)

Code Figure

0 No snow
1 trace - < 2 inches
2 ≥ 2 inches
3 2 - < 4 inches
4 4 - < 6 inches
5 ≥ 6 inches
6 6 - ≤ 8 inches
7 ≥ 8 inches
8 \leq trace
9 ≥ 0.1 - < 2 inches
10-14 reserved
15 missing

0 60 094 Ceiling Height Forecast (categories)

Code Figure

0 reserved
1 < 200 feet
2 200 - 400 feet
3 500 - 900 feet
4 1000 - 3000 feet
5 3100 - 6500 feet
6 6600 - 12000 feet
7 > 12000 feet
8-14 reserved
15 missing

0 60 095 Visibility Forecast (categories)

Code Figure

0 reserved
1 < 1/2 mile
2 1/2 - 7/8 miles
3 1 - 2 3/4 miles
4 3 - 5 miles
5 > 5 miles
6 reserved
7 missing

0 60 096 Obstruction to Vision Forecast (categories)

Code Figure

0 reserved
1 blowing phenomena
2 haze
3 fog
4 none
5 mist
6 reserved
7 missing

0 60 097 Thunderstorm Forecast (categories)

Code Figure

0 none
1 thunderstorms
2 reserved
3 missing

0 60 098 Severe Weather Forecast (categories)

Code Figure

0 none
1 severe weather
2 reserved
3 missing

0 60 099 Combined Ceiling/Visibility Forecast (categories)

Code Figure

0 reserved
1 ceiling < 1000 ft. or visibility < 3 mi. (IFR)
2 1000 ft. \leq cig. \leq 3000 ft. or 3 mi. \leq vis. \leq 5 mi. (MVFR)
3 ceiling > 3000 ft. and visibility > 5 mi. (VFR)
4 (LIFR)
5-6 reserved
7 missing

0 60 190 Visibility Forecast (categories)

Code Figure

0 reserved
1 \leq 1/4 mile
2 > 1/4 - 1/2 mile
3 > 1/2 - 7/8 mile
4 > 7/8 - 2 3/4 miles
5 > 2 3/4 - 5 miles
6 > 5 - 6 miles
7 > 6 miles
8-14 reserved
15 missing

0 60 192 Total Sky Cover (Categories)

Code Figure

0 reserved
1 < 3/8 (mostly clear & clear combined)
2 0/8 (clear)
3 0/8 < sky cover < 3/8 (mostly clear)
4 $3/8 \leq$ sky cover < 6/8 (partly cloudy)
5 $6/8 \leq$ sky cover < 8/8 (mostly cloudy)
6 8/8 (cloudy)
7 $\geq 6/8$ (mostly cloudy & cloudy combined)
8-14 reserved
15 missing

0 60 193 Max Wind Speed Forecast (Categories)

Code Figure

0 reserved
1 0 - 12 kts (light)
2 13-21 kts (moderate)
3 22-31 kts (strong)
4 ≥ 32 kts (high)

0 60 194 Wind Direction Forecast (Categories)

Code Figure

0 reserved
1 338 - 022 deg (North)
2 023 - 067 deg (Northeast)
3 068 - 112 deg (East)
4 113 - 157 deg (Southeast)
5 158 - 202 deg (South)
6 203 - 247 deg (Southwest)
7 248 - 292 deg (West)
8 293 - 337 deg (Northwest)
9-14 reserved
15 missing

