

Attachment 1: List of descriptors and corresponding Table B entries that define the subset used in the short-range GFS MOS BUFR message.

Descriptor	Element Name	Unit	Scale	Ref	Bits
0 1 63	ICAO Location Indicator	CCITT IA5	0	0	64
0 5 2	Latitude	Degrees	2	-9000	15
0 6 2	Longitude	Degrees	2	-18000	16
0 4 1	Year	Year	0	0	12
0 4 2	Month	Month	0	0	4
0 4 3	Day	Day	0	0	6
0 4 4	Hour	Hour	0	0	5
0 8 21	Time Significance	Code table	0	0	5
0 1 32	Generating Application	Code table	0	0	8
0 2 200	Objective Forecast Technique Used	Code table	0	0	4
0 4 24	Time Period or Displacement	Hour	0	-2048	13
0 8 13	Day/Night Indicator	Code table	0	0	2
0 12 21	Daytime Max Temperature	K	2	0	13
0 8 13	Day/Night Indicator	Code table	0	0	2
0 12 22	Nighttime Min Temperature	K	2	0	13
0 12 104	Temperature	K	2	0	13
0 12 106	Dew Point Temperature	K	2	0	13
0 11 1	Wind Direction	Degree true	0	0	9
0 11 200	Wind speed (inflated)	m/s	1	0	12
0 11 3	U-Component	m/s	1	-4096	13
0 11 4	V-Component	m/s	1	-4096	13
0 60 1	Prob. of Liquid Equivalent Precip. > 0.01 inch during past 6 hours	%	0	0	7
0 60 2	Prob. of Liquid Equivalent Precip. > 0.01 inch during past 12 hours	%	0	0	7
0 60 3	Prob. of Liquid Equivalent Precip. > 0.01 inch during past 24 hours	%	0	0	7
0 60 58	Prob. of Thunderstorms during past 6 hours	%	0	0	7
0 60 59	Prob. of Thunderstorms during past 12 hours	%	0	0	7
0 60 60	Prob. of Thunderstorms during past 24 hours	%	0	0	7
0 60 61	Cond. Prob. of Severe Wx during past 6 hours	%	0	0	7
0 60 62	Cond. Prob. of Severe Wx during past 12 hours	%	0	0	7
0 60 63	Cond. Prob. of Severe Wx during past 24 hours	%	0	0	7
0 60 150	Prob. of Severe Wx during past 6 hours	%	0	0	7
0 60 151	Prob. of Severe Wx during past 12 hours	%	0	0	7
0 60 152	Prob. of Severe Wx during past 24 hours	%	0	0	7
0 60 20	Conditional Prob. of Precip. Type: Freezing	%	0	0	7
0 60 21	Conditional Prob. of Precip. Type: Snow	%	0	0	7
0 60 22	Conditional Prob. of Precip. Type: Liquid	%	0	0	7
0 60 91	Conditional Precip. Type Fcst. (Categorical)	Code table	0	0	3

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0 60 4	Prob. of Liquid Equivalent Precip. $\geq$ 0.10 inch during past 6 hours	%	0	0	7
0 60 7	Prob. of Liquid Equivalent Precip. $\geq$ 0.25 inch during past 6 hours	%	0	0	7
0 60 10	Prob. of Liquid Equivalent Precip. $\geq$ 0.50 inch during past 6 hours	%	0	0	7
0 60 13	Prob. of Liquid Equivalent Precip. $\geq$ 1.00 inch during past 6 hours	%	0	0	7
0 4 31	Duration of Time Relating to Following Value	Hour	0	0	8
0 60 90	Quantitative Precipitation Fcst. (Categorical)	Code table	0	0	4
0 60 5	Prob. of Liquid Equivalent Precip. $\geq$ 0.10 inch during past 12 hours	%	0	0	7
0 60 8	Prob. of Liquid Equivalent Precip. $\geq$ 0.25 inch during past 12 hours	%	0	0	7
0 60 11	Prob. of Liquid Equivalent Precip. $\geq$ 0.50 inch during past 12 hours	%	0	0	7
0 60 14	Prob. of Liquid Equivalent Precip. $\geq$ 1.00 inch during past 12 hours	%	0	0	7
0 60 16	Prob. of Liquid Equivalent Precip. $\geq$ 2.00 inch during past 12 hours	%	0	0	7
0 4 31	Duration of Time Relating to Following Value	Hour	0	0	8
0 60 90	Quantitative Precipitation Fcst. (Categorical)	Code table	0	0	4
0 60 6	Prob. of Liquid Equivalent Precip. $\geq$ 0.10 inch during past 24 hours	%	0	0	7
0 60 9	Prob. of Liquid Equivalent Precip. $\geq$ 0.25 inch during past 24 hours	%	0	0	7
0 60 12	Prob. of Liquid Equivalent Precip. $\geq$ 0.50 inch during past 24 hours	%	0	0	7
0 60 15	Prob. of Liquid Equivalent Precip. $\geq$ 1.00 inch during past 24 hours	%	0	0	7
0 60 17	Prob. of Liquid Equivalent Precip. $\geq$ 2.00 inch during past 24 hours	%	0	0	7
0 4 31	Duration of Time Relating to Following Value	Hour	0	0	8
0 60 90	Quantitative Precipitation Fcst. (Categorical)	Code table	0	0	4
0 60 144	Prob. of Snow Amount $>$ trace during past 24 hours	%	0	0	7
0 60 31	Prob. of Snow Amount $\geq$ 2 inches during past 24 hours	%	0	0	7
0 60 33	Prob. of Snow Amount $\geq$ 4 inches during past 24 hours	%	0	0	7
0 60 35	Prob. of Snow Amount $\geq$ 6 inches during past 24 hours	%	0	0	7
0 60 145	Prob. of Snow Amount $\geq$ 8 inches during past 24 hours	%	0	0	7

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0 4 31	Duration of Time Relating to Following Value	Hour	0	0	8
0 60 93	Quantitative Snow Amount Fcst. (Categorical)	Code table	0	0	4
0 60 100	Prob. of Opaque Sky Cover: 0/8	%	0	0	7
0 60 108	Prob. of Opaque Sky Cover: 1/8-2/8	%	0	0	7
0 60 109	Prob. of Opaque Sky Cover: 3/8-4/8	%	0	0	7
0 60 103	Prob. of Opaque Sky Cover: 5/8-7/8	%	0	0	7
0 60 104	Prob. of Opaque Sky Cover: 8/8	%	0	0	7
0 20 11	Sky Cover	Code table	0	0	4
0 60 42	Prob. of Ceiling Height < 200 feet	%	0	0	7
0 60 43	Prob. of Ceiling Height 200 - 400 feet	%	0	0	7
0 60 44	Prob. of Ceiling Height 500 - 900 feet	%	0	0	7
0 60 80	Prob. of Ceiling Height 1000 - 1900 feet	%	0	0	7
0 60 81	Prob. of Ceiling Height 2000 - 3000 feet	%	0	0	7
0 60 46	Prob. of Ceiling Height 3100 - 6500 feet	%	0	0	7
0 60 47	Prob. of Ceiling Height 6600 - 12000 feet	%	0	0	7
0 60 48	Prob. of Ceiling Height > 12000 feet	%	0	0	7
0 60 94	Ceiling Height Fcst. (Categorical)	Code table	0	0	4
0 60 49	Prob. of Visibility < ½ mile	%	0	0	7
0 60 112	Prob. of Visibility < 1 mile	%	0	0	7
0 60 118	Prob. of Visibility < 2 miles	%	0	0	7
0 60 113	Prob. of Visibility < 3 miles	%	0	0	7
0 60 114	Prob. of Visibility ≤ 5 miles	%	0	0	7
0 60 115	Prob. of Visibility ≤ 6 miles	%	0	0	7
0 60 190	Visibility Forecast (Categorical)	Code table	0	0	4
0 60 57	Prob. of Obstruction to Vision: None	%	0	0	7
0 60 55	Prob. of Obstruction to Vision: Haze	%	0	0	7
0 60 116	Prob. of Obstruction to Vision: Mist (BR)	%	0	0	7
0 60 117	Prob. of Obstruction to Vision: Fog (FG)	%	0	0	7
0 60 54	Prob. of Obstruction to vision: Blowing phenomena	%	0	0	7
0 60 96	Obstruction to Vision Forecast (Categorical)	Code table	0	0	3

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0 60 23	Conditional Prob. of Precip. Character: Drizzle	%	0	0	7
0 60 24	Conditional Prob. of Precip. Character: Continuous	%	0	0	7
0 60 25	Conditional Prob. of Precip. Character: Showers	%	0	0	7
0 60 92	Conditional Precip. Character Fcst. (Categorical)	Code table	0	0	3
0 60 148	Prob. of precip. occurrence	%	0	0	7
0 60 149	Prob. of precip. occurrence last 3 hours	%	0	0	7