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World Meteorological Organization code				4		5		6		7		8		9																									
weather map present weather symbol					Smoke/Volcanic Ash (FU)		Haze (HZ)		Widespread dust at or nearby stn (DU)		Blowing dust, sand, or spray at or nearby stn (BLDU)		Dust or sand whirl(s), at or nearby stn, within past hour (PO)		Duststorm or sandstorm within sight now or at stn within past hour (DS/SS1)																								
weather phenomenon name																																							
(METAR abbreviation for weather reports)																																							
10		Mist (BR)		11		Patches or shallow fog or ice fog at the stn (BCFG)		12		Shallow fog or ice fog at the stn (MIFG)		13		Lightning, no thunder heard (LTNG)		14		VIRGA Precipitation within sight, not reaching the (VIRGA)		15		Precipitation, distantly visible (VCUP)		16		Precipitation, nearby (VCUP)		17		Thunderstorm, no precipitation (TS)		18		Squalls (SQ)		19		Funnel clouds (FC)	
20		Drizzle or snow grains, recently (REDZ)		21		Rain, recently (RESN)		22		Snow, recently (RESN)		23		Rain and snow or ice pellets, recently (REFASN)		24		Freezing drizzle or freezing rain, recently (REFZRA)		25		Rain shower(s), recently (RESHRA)		26		Shower(s) of rain and snow, recently (RESHSN)		27		Shower(s) of hail or of rain and hail, recently (RESHPL)		28		Fog or ice fog, recently (REFG)		29		Thunderstorm, (with or without precip), recently (RETS)	
30		Duststorm or sandstorm - decreasing (DS)		31		Duststorm or sandstorm - no change (DS)		32		Duststorm or sandstorm - increasing (DS)		33		Severe duststorm or sandstorm - decreasing (+DS)		34		Severe duststorm or sandstorm - no change (+DS)		35		Severe duststorm or sandstorm - increasing (+DS)		36		Drifting snow (DRSN)		37		Heavy drifting snow (+DRSN)		38		Blowing snow (BLSN)		39		Heavy blowing snow (+BLSN)	
40		Fog/ice fog nearby (VCFG)		41		Fog/ice fog, patchy (BCFG)		42		Fog/ice fog, sky visible, thinning (FG)		43		Fog/ice fog, sky visible, no change (FG)		44		Fog/ice fog, sky visible, no change (FG)		45		Fog/ice fog, sky visible, no change (FG)		46		Fog/ice fog, sky visible, begun or thickening (FG)		47		Fog/ice fog, sky visible, begun or thickening (FG)		48		Fog, depositing rime, sky visible (FZFG)		49		Fog, depositing rime, sky invisible (FZFG)	
50		Drizzle, intermittent, slight (-DZ)		51		Drizzle, continuous, slight (-DZ)		52		Drizzle, intermittent, moderate (DZ)		53		Drizzle, continuous, moderate (DZ)		54		Drizzle, intermittent, heavy (+DZ)		55		Drizzle, continuous, heavy (+DZ)		56		Drizzle, freezing, slight (-FZDZ)		57		Drizzle, freezing, moderate/heavy (+FZDZ)		58		Drizzle and rain, slight (-DZRA)		59		Drizzle and rain, moderate/heavy (+DZRA)	
60		Rain, intermittent, slight (-RA)		61		Rain, continuous, slight (-RA)		62		Rain, intermittent, moderate (RA)		63		Rain, continuous, moderate (RA)		64		Rain, intermittent, heavy (+RA)		65		Rain, continuous, heavy (+RA)		66		Rain, freezing, slight (-FZRA)		67		Rain, freezing, moderate or heavy (+FZRA)		68		Rain or drizzle and snow, slight (-RASN)		69		Rain or drizzle and snow, moderate/heavy (+RASN)	
70		Snow, intermittent, slight (-SN)		71		Snow, continuous, slight (-SN)		72		Snow, intermittent, moderate (SN)		73		Snow, continuous, moderate (SN)		74		Snow, intermittent, heavy (+SN)		75		Snow, continuous, heavy (+SN)		76		Diamond dust (IC)		77		Snow grains (SG)		78		Isolated starlike snow crystals (IC)		79		Ice pellets (PL)	
80		Rain shower(s), slight (-SHRA)		81		Rain shower(s), moderate or heavy (+SHRA)		82		Rain shower(s), violent (+SHRA)		83		Shower(s) of rain and snow, slight (-SHRASN)		84		Shower(s) of rain and snow, moderate/heavy (+SHRASN)		85		Snow shower(s), slight (-SHSN)		86		Snow shower(s), moderate or heavy (+SHSN)		87		Shower(s) of pellets, w/o rain or rain and snow mixed - slight (-SHGS)		88		Shower(s) of pellets, w/o rain or rain and snow mixed - moderate or heavy (+SHGS)		89		Shower(s) of hail, w/o rain or rain and snow mixed, no thunder - slight (-SHGR)	
90		Shower(s) of hail, w/o rain or rain and snow mixed, no thunder- moderate/heavy (+SHGR)		91		Slight rain - recent thunderstorm (-RARETS)		92		Moderate or heavy rain - recent thunderstorm (+RARETS)		93		Slight snow, or rain and snow mixed, or hail - recent thunderstorm (-SHRETS)		94		Moderate or heavy snow, or rain and snow mixed, or hail - recent thunderstorm (+SHRETS)		95		Thunderstorm with rain and/or snow, no hail (TSRA)		96		Thunderstorm with hail (TSGR)		97		Thunderstorm, heavy, with rain and/or snow, no hail (+TSRA)		98		Thunderstorm and duststorm/sandstorm (TSDS)		99		Thunderstorm, heavy, with hail (+TSGR)	

## B.8 Major Cloud Genera (Type) Symbols

Cloud formation process is indicated by colour:

Stratiform			Cumuliform			Both Stratiform and Cumuliform			Neither specified													
High Clouds			Middle Clouds			Low Clouds																
0		Cirrus <b>Ci</b>	1		Cirrocumulus <b>Cc</b>	2		Cirrostratus <b>Cs</b>	3		4		5		6		7		8		9	

## B.9 Detailed Cloud Species and Varieties Symbols

### High Cloud Symbols

0	No high clouds	1		Cirrus fibratus (wispy)	2		Cirrus spissatus (dense in patches)	3		Cirrus spissatus cumulonimbogenitus (formed out of anvil)	4		Cirrus uncinus or fibratus (progressively invading the sky)	5		Cirrus (often in bands) or Cirrostratus (less than 45° above horizon)	6		Cirrus (often in bands) or Cirrostratus (more than 45° above horizon)	7		Cirrostratus covering the whole sky	8		Cirrostratus not covering sky but not invading	9		Cirrocumulus alone or Cirrocumulus predominant among the high clouds
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### Middle Cloud Symbols

0	No middle clouds	1		Altostratus translucidus (mostly transparent)	2		Altostratus opacus or Nimbostratus	3		Altostratus translucidus at a single level	4		Patches of Altostratus translucidus, changing, one or more levels	5		Altostratus translucidus in bands	6		Altostratus cumulonimbogenitus (or cumulonimbogenitus)	7		Altostratus (multilayers)	8		Altostratus castellanus or floccus	9		Altostratus of a chaotic sky generally at several levels
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### Low Cloud Symbols

0	No low clouds	1		Cumulus humilis or Cumulus fractus (no vertical development)	2		Cumulus mediocris or congestus (moderate vertical development)	3		Cumulonimbus caivus, (no outlines nor anvil)	4		Stratocumulus cumulonimbogenitus (formed by spreading of cumulus)	5		Stratocumulus	6		Stratus nebulosus (continuous sheet)	7		Stratus fractus or Cumulus fractus (bad weather)	8		Cumulus and Stratocumulus (multilevel)	9		Cumulonimbus capillatus (often with an anvil)
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