

World Meteorological Organization

CREX TABLES RELATIVE TO SECTION 2)

CREX Table B -*Classification of elements (Version 5)*

B X	Class	Comments
B 00	CREX table entries	
B 01	Identification	Identifies origin and type of data
B 02	Instrumentation	Defines instrument types used
B 03	Reserved	
B 04	Location (time)	Defines time and time derivatives
B 05	Location (horizontal-1)	Defines geographical position. including horizontal derivatives, in association with class 06 (first dimension of horizontal space)
B 06	Location (horizontal-2)	Defines geographical position including horizontal derivatives, in association with class 05 (second dimension of horizontal space)
B 07	Location (Vertical)	Defines height, altitude. pressure level. including vertical derivatives of position
B 08	Significance qualifiers	Defines special character of data
B 09	Reserved	
B 10	Non-coordinate location (vertical)	Height, altitude, and derivatives observed or measured, not defined as a vertical location
B 11	Wind and turbulence	Wind speed, direction, etc.
B 12	Temperature	
B 13	Hydrographic and hydrological elements	Humidity. rainfall, snowfall. etc.
B 14	Radiation and radiance	
B 15	Physical/chemical Constituents	
B 19	Synoptic features	
B 20	Observed phenomena	Defines present/past weather. special phenomena, etc.
B 21	Radar data	
B 22	Oceanographic elements	
B 23	Dispersal and transport	
B 24	Radiological elements	
B 25	Processing information	
B 26	Non-coordinate location (time)	Defines time and time derivatives that are not coordinates
B 27	Non-coordinate location (horizontal-1)	Defines geographical positions, in conjunction with class 28, that are not co-ordinates
B 28	Non-coordinate location (horizontal-2)	Defines geographical positions, in conjunction with class 27, that are not co-ordinates
B 29	Map data	
B 30	Image	
B 33	Quality information	
B 35	Data monitoring information	

Notes:

- (1) Where a code table or flag table is appropriate, 'code table' or 'flag table' respectively is entered in the UNITS column.
- (2) The code tables and flag tables associated with Table B are numbered to correspond with the xx and yyy part of the table reference.
- (3) To encode values into CREX, the data (with units as specified in the UNITS column) must be multiplied by 10 to the power SCALE.
- (4) Where UNITS are given as Character, data shall be coded as character data left justified within the field width.
- (5) Classes 48 to 63 are reserved for local use; all other classes are reserved for future development.
- (6) Entries 192 to 255 within all classes are reserved for local use.
- (7) The use of local descriptors, as defined in Notes 5 & 6, in messages intended for non-local or international exchange is strongly discouraged.
- (8) First-order statistics are included in Table B only when they are produced, as such, by the observing system.

CREX TABLE B ENTRIES FROM CLASS 0 TO CLASS 35

CREX Table B entries from Class 0 to Class 35 are defined in BUFR/CREX Table B in Part B, Binary Codes of this Manual.

Note: Class 31 does not exist in CREX.