

FM 95 CREX

CREX TABLES RELATIVE TO SECTION 2

CREX Table B – *Classification of elements*

F	X	Class	Comments
B	00	BUFR/CREX table entries	
B	01	Identification	Identifies origin and type of data
B	02	Instrumentation	Defines instrument types used
B	03	Instrumentation	Defines instrument types used
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, pressure and derivatives observed or measured, <i>not</i> 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 coordinates
B	28	Non-coordinate location (horizontal – 2)	Defines geographical positions, in conjunction with Class 27, that are not coordinates
B	29	Map data	
B	30	Image	
B	33	Quality information	
B	35	Data monitoring information	
B	40	Satellite data	
B	41	Oceanographic/biogeochemical parameters	
B	42	Oceanographic elements	

(continued)

(CREX Table B – continued)

Notes:

- (1) Where a code table or flag table is appropriate, “code table” or “flag table”, respectively is entered in the UNIT 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 UNIT column) must be multiplied by 10 to the power SCALE.
- (4) Where a UNIT is 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 and 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 Classes 00 to 42 are defined in BUFR/CREX Table B in Part B, Binary codes, of the Manual.

Note: Class 31 does not exist in CREX.
