

CREX TABLES RELATIVE TO SECTION 2

CREX Table B - *Classification of elements*

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

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 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 Class 00 to 40 are defined in BUFR/CREX Table B in Part B, Binary codes of the Manual.

Note: Class 31 does not exist in CREX.