Format Description for 1-minute Values of the Geomagnetic Field Elements - WDC-format

Columns	Format	Description
1-6	I6	Geographic Co-Latitude in 0.001 degree. The distance from 0° up to 180° from the North geographic pole. A decimal point is implied betweem positions 3 and 4.
7-12	I6	East Geographic Longitude in 0.001 degree. The distance from 0° up to 360° from Greenwich. A decimal point is implied betweem positions 9 and 10.
13-14	I2	Year. Last 2 digits, 82 = 1982. See also column 26.
15-16	I2	Month (01-12).
17-18	I2	Day of month (01-31).
19	A1	Element (D,I,H,X,Y,Z,E or F).
20-21	I2	Hour of day (00-23).
22-24	A3	Observatory's IAGA 3-letter code.
25	I1	Arbitrary. Sometimes D = Digitized from analog records.
26	I1	Century digit: Year = 2014, Century digit = 0, Year = 1978, Century digit = 9, Year = 1887, Century digit = 8 or blank.
27	A1	Preliminary or Definitive data. Preliminary = P, Definitive = D.
28-34	9A1	Blanks.
35-394	60I6	60 6-digit 1-minute values for the given element for that data hour. The values are in nanoTeslas for the intensity elements H,X,Y,Z,E and F, and in tenth-minutes for D and I (612 = 1 degree + 1.2 minutes East).
395-400	I6	Hourly mean value - the average of the proceeding 60 one-minute values.
401-402		Record end marker. Two chars 'cr'= 13 and 'nl'= 10.

Each element value and the hourly mean is given in a 6-digit field including a minus sign for negative values.

Missing data value spaces are padded with 999999.

The records are sorted according to observatory code, year, month, day, element.