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TABULATION OF FILAMENT DISAPPEARANCES (1964-1980)

Information included in the Upper Atmospheric Geophysics (UAG) report #100, "Catalog of Solar Filament Disappearances 1964-1980" by C.S.Wright. The table lists all DF (disappearing filaments) events detected between 26 October 1964 and 31 December 1980. See Report UAG-100 for a full description of the data and the format (Section 4).The UAG reports are available on-line at; http://www.ngdc.noaa.gov/stp/solar/onlinepubl.html.

FILAMENT DISAPPEARANCES 1964-1980
Data reduced by Dr. Clint Wright, Australia

Column	Fmt	Description
1- 6	I6	Year/Month/Day [estimated date of disappearance]
7- 8	2X	Blank
9-12	I4	HHMM estimated time of disappearance in hours and minutes(or start of data gap)
13	1X	Blank
14-17	I4	Err -- uncertainty in time of disappearance in hours and minutes (or end of data gap) -- e.g., 660927 0234 1158 indicates that a DF occurred on 27 Sep 1966 at 0234 UT +/- 11h 58min; this field lists the errors, or uncertainties in the best estimate time of disappearance and corresponds to half the time interval between the bounding photographs
18	A1	Qualifier: A = accurate beginning and end times; B = accurate beginning but uncertain ending time; E = accurate ending but uncertain beginning times.
19	I1	A column indicating the number of day transitions spanned by data gaps (ranges from 1 to 6)
20	A1	Parenthesis '(' indicates an inflection point (for severely contorted filaments)
21	A1	N or S for North or South latitude -- location of endpoints and points of inflection (those in parentheses).
22-23	I2	Latitude
24	A1	E or W for east or west central meridian distance
25-26	I2	Central meridian distance
27	A1	Parenthesis ')' indicates an inflection point
28	A1	Parenthesis '(' indicates an inflection point
29	A1	N or S for North or South latitude -- location of endpoints and points of inflection (in parentheses)
30-31	I2	Latitude
32	A1	E or W for east or west central meridian distance
33-34	I2	Central meridian distance
35	A1	Parenthesis ')' when indicating an inflection point
36	1X	Blank
37-39	F3.2	Projected width in heliographic degrees -- W
40-41	2X	Blank
42	I1	Darkness on a scale of 1 (faint) to 3 (dark) -- D
43-44	2X	Blank
45	A1	Photospheric magnetic polarity (P) west of the filament, or south of the filament when filaments are parallel to the equator:

		N = north polarity S = south polarity U = polarity undetermined V = U?
46	1X	Blank
47-48	I2	Computed length in heliographic degrees -- L
49	1X	Blank
50-53	F4.2	Computed height in heliographic degrees (decimal in col 52)-- H
54	1X	Blank
55-57	I3	Computed area (A) of filament sheet in square heliographic degrees
58-59	2X	Blank
60-61	I2	Azimuthal angle (Eta) of the line-of-sight in degrees (can be dashes)
62	1X	Blank
63-64	I2	Zenith angle (Phi) of the line-of-sight in degrees
65-66	2X	Blank
67-68	I2	Angle (Alpha) between the line-of-sight and the filament sheet in degrees (can be dashes)
69-70	2X	Blank
71	A1	N or S for North or South latitude -- calculated midpoint of the base of the filament sheet
72-73	I2	Latitude of midpoint
74	A1	E or W for east or west central meridian distance
75-76	I2	Central meridian distance of midpoint
77	1X	Blank
78-82	A5	Comments, usually restricted to the indication of data gaps
83-86	A4	Observatory code CULG for Culgoora

Data Format(Fortran)= I6, 2X, I4, 1X, I4, A1, I1, A1, A1, I2, A1, I2, A1, A1, A1, I2, A1, I2, A1, 1X, F3.2, 2X, I1, 2X, A1, 1X, I2, 1X, F4.2, 1X, I3, 2X, I2, 1X, I2, 2X, I2, 2X, A1, I2, A1, I2, 1X, A5, A4

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References:

Wright, C.S., "Catalog of Solar Filament Disappearances 1964-1980" by C.S.Wright, UAG-100, National Geophysical Data Center, 62 pp., February 1991.