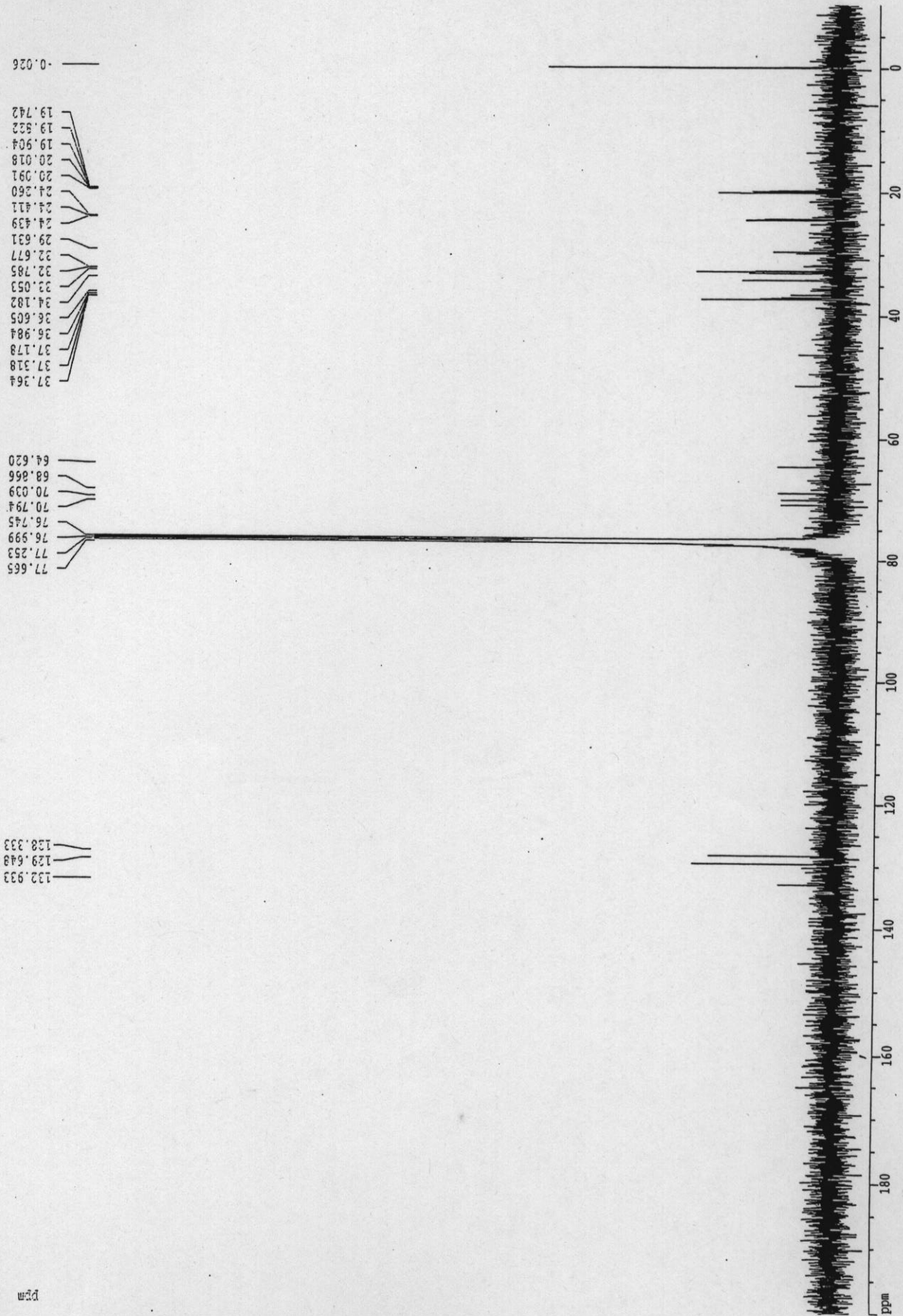


¹³C NMR



132



Current Data Parameters
 NAME ymatsu-takyo
 EXPNO 33
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 990901
 Time 17.35
 INSTRUM spect
 PROBHD 5 mm Multinu
 PULPROG zgpg
 TD 65536
 SOLVENT CDCl3
 NS 13066
 DS 8
 SWH 30303.031 Hz
 FIDRES 0.462388 Hz
 AQ 1.0813940 sec
 RG 2896.3
 DW 16.500 usec
 DE 6.00 usec
 TE 300.0 K
 d11 0.03000000 sec
 d12 0.00002000 sec
 PL13 18.70 dB
 D1 2.00000000 sec
 CPDPRG2 waltz16
 SFO2 90.00 usec
 SFO1 500.1320005 MHz
 NUC2 1H
 PL2 120.00 dB
 PL12 18.70 dB
 P1 4.30 usec
 SF01 125.7715723 MHz
 NUC1 13C
 PL1 3.00 dB

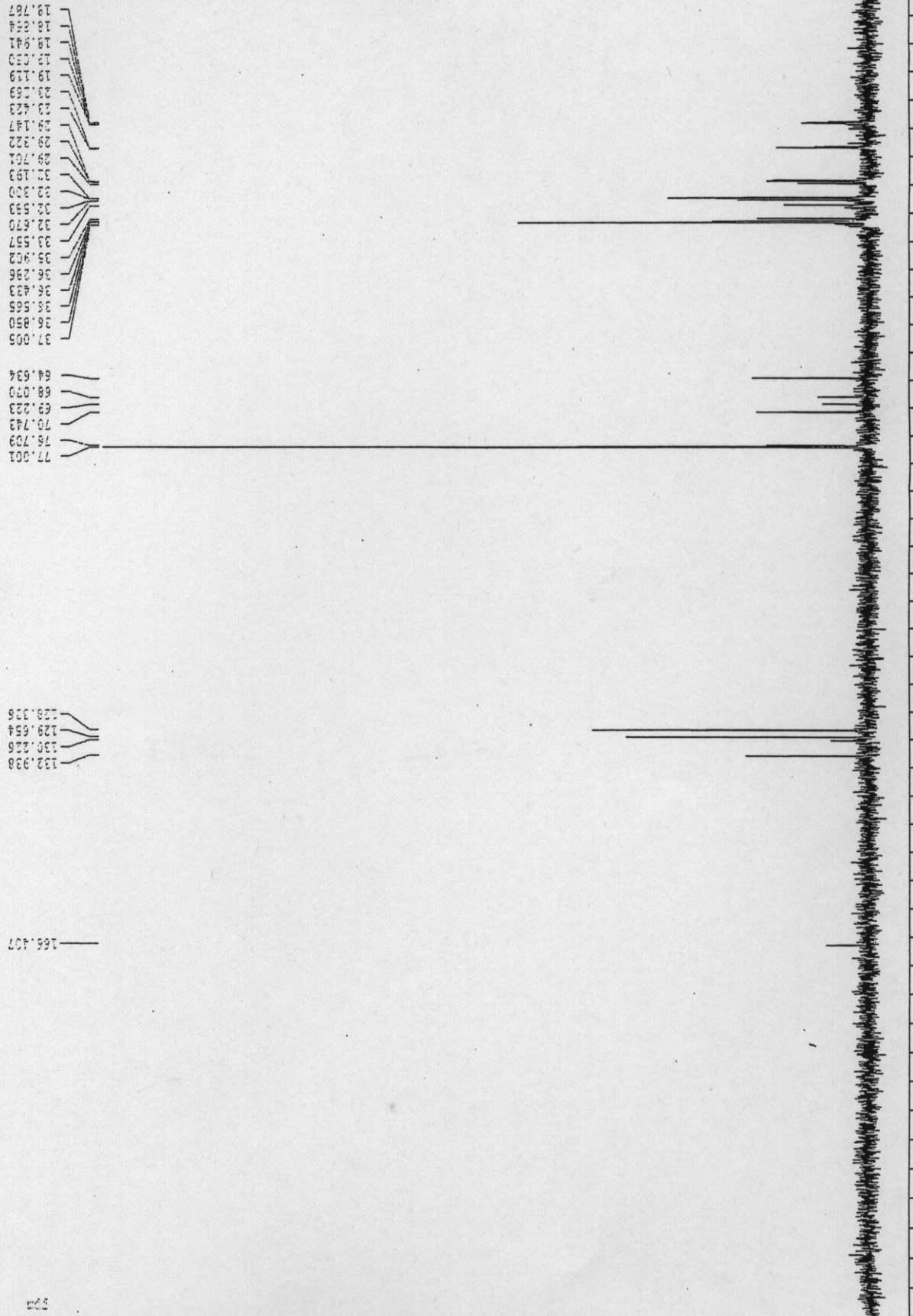
F2 - Processing parameters
 SI 65536
 SF 125.7577890 MHz
 WDW EM
 SSB 0
 LB 1.00 Hz
 GB 0
 PC 1.40

1D NMR plot parameters
 CX 33.00 cm
 F1P 200.000 ppm
 F1 25151.56 Hz
 F2P -10.000 ppm
 F2 -1257.58 Hz
 PPGM 6.36364 ppm/cm
 HZCM 800.27686 Hz/cm

$^{13}\text{C}\{^1\text{H} \& ^2\text{H}\}$ NMR



from *Methanococcus jannaschii*



Current Data Parameters
 NAME ymatsu-takyo
 EXPNO 15
 PROCNO 1

F2 - Acquisition Parameters
 Date_ 20000224
 Time 1.37
 INSTRUM spect
 PROBHD 5 mm BB(2H)

PULPROG zgpg2h
 TD 32768
 SOLVENT CDC13
 NS 123574
 DS 0
 SNH 30303.031 Hz
 FIDRES 0.924775 Hz
 AQ 0.5407220 sec
 RG 5160.6
 DW 16.500 usec
 DE 6.00 usec
 TE 300.0 K
 d11 0.0300000 sec
 d12 0.0002000 sec
 d13 0.0000300 sec
 PL16 21.00 dB
 PL13 18.70 dB
 D1 2.0000000 sec
 CPDPRG2 waitz16
 PCPD2 90.00 usec
 SFO2 500.1320005 MHz
 NUC2 1H
 PL2 120.00 dB
 PL12 18.70 dB
 P1 4.30 usec
 SFO1 125.7715723 MHz
 NUC1 13C
 PL1 3.00 dB
 CPDPRG3 waitz16
 PCPD3 300.00 usec
 SFO3 76.7733071 MHz
 NUC3 2H
 PL3 120.00 dB

F2 - Processing parameters
 SI 32768
 SF 125.7577885 MHz
 WDW EM
 SSB 0
 LB 2.00 Hz
 GB 0
 PC 1.40

ID NMR plot parameters
 CX 33.00 cm
 F1P 230.000 ppm
 F1 20924.29 Hz
 F2P -10.000 ppm
 F2 -1257.58 Hz
 PPMCM 7.27273 ppm/cm