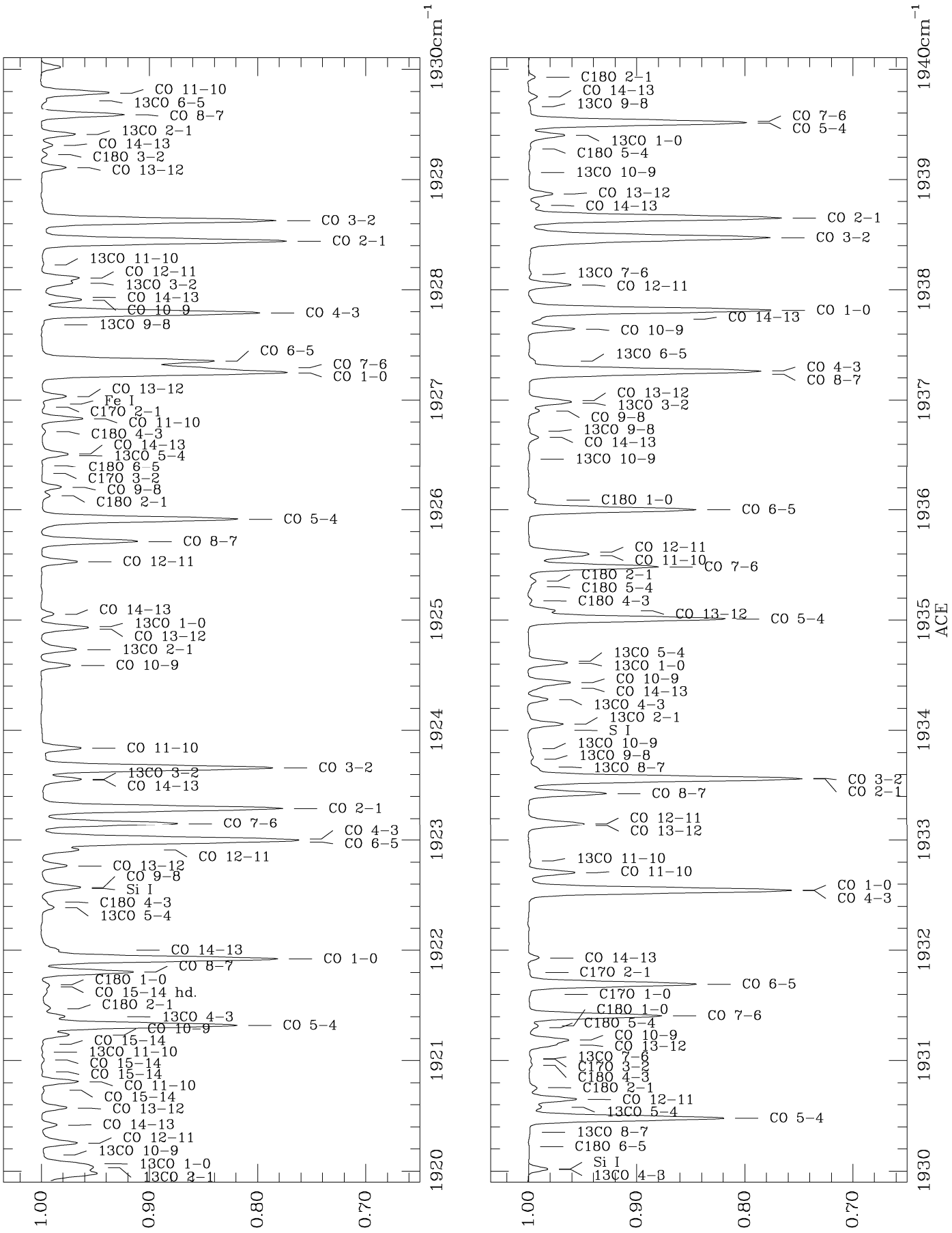
1930cm^{-1}
CO 11–10
13CO 6–5
CO 8–7
13CO 2–1
CO 14–13
C18O 3–2
CO 13–12
CO 3–2
CO 2–1
13CO 11–10
CO 12–11
13CO 3–2
CO 14–13
CO 10–9
CO 4–3
13CO 9–8
CO 6–5
CO 7–6
CO 1–0
CO 13–12
Fe I
C17O 2–1
CO 11–10
C18O 4–3
CO 14–13
13CO 5–4
C18O 6–5
C17O 3–2
CO 9–8
C18O 2–1
CO 5–4
CO 8–7
CO 12–11
CO 14–13
13CO 1–0
CO 13–12
13CO 2–1
CO 10–9
CO 11–10
CO 3–2
13CO 3–2
CO 14–13
CO 2–1
CO 7–6
CO 4–3
CO 6–5
CO 12–11
CO 13–12
CO 9–8
Si I
C18O 4–3
13CO 5–4
CO 14–13
CO 1–0
CO 8–7
C18O 1–0
CO 15–14 hd.
C18O 2–1
13CO 4–3
CO 10–9
CO 5–4
CO 15–14
13CO 11–10
CO 15–14
CO 15–14
CO 11–10
CO 15–14
CO 13–12
CO 14–13
CO 12–11
13CO 10–9
13CO 1–0
13CO 2–1
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1.00
0.90
0.80
0.70
1940cm^{-1}
C18O 2–1
CO 14–13
13CO 9–8
CO 7–6
CO 5–4
13CO 1–0
C18O 5–4
13CO 10–9
CO 13–12
CO 14–13
CO 2–1
CO 3–2
13CO 7–6
CO 12–11
CO 1–0
CO 14–13
CO 10–9
13CO 6–5
CO 4–3
CO 8–7
CO 13–12
13CO 3–2
CO 9–8
13CO 9–8
CO 14–13
13CO 10–9
C18O 1–0
CO 6–5
CO 12–11
CO 11–10
CO 7–6
C18O 2–1
C18O 5–4
C18O 4–3
CO 13–12
CO 5–4
13CO 5–4
13CO 1–0
CO 10–9
CO 14–13
13CO 4–3
13CO 2–1
S I
13CO 10–9
13CO 9–8
13CO 8–7
CO 3–2
CO 2–1
CO 8–7
CO 12–11
CO 13–12
13CO 11–10
CO 11–10
CO 1–0
CO 4–3
CO 14–13
C17O 2–1
CO 6–5
C17O 1–0
C18O 1–0
CO 7–6
C18O 5–4
CO 10–9
CO 13–12
13CO 7–6
C17O 3–2
C18O 4–3
C18O 2–1
CO 12–11
13CO 5–4
CO 5–4
13CO 8–7
C18O 6–5
Si I
13CO 4–3
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
ACE
1.00
0.90
0.80
0.70