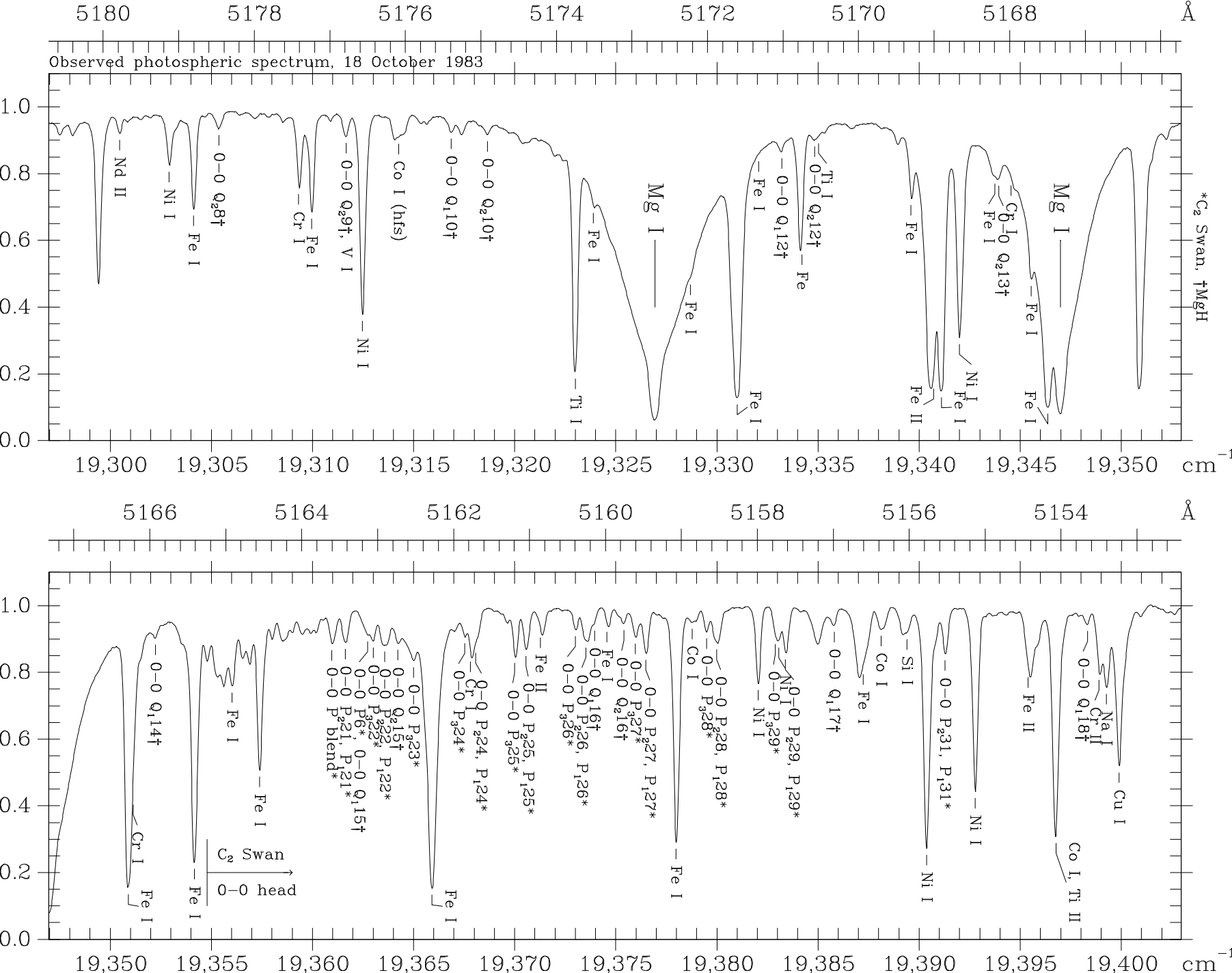
Observed photospheric spectrum, 18 October 1983
5180
5178
5176
5174
5172
5170
5168
Å
Nd II
Ni I
Fe I
0–0 Q2 8†
Cr I
Fe I
0–0 Q2 9†, V I
Ni I
Co I (hfs)
0–0 Q1 10†
0–0 Q2 10†
Fe I
Ti I
Mg I
Fe I
Fe I
0–0 Q1 12†
Ti I
0–0 Q2 12†
Fe
Fe I
Fe II
Ni I
Fe I
Co I
0–0 Q2 13†
Fe I
Fe I
Mg I
*C2 Swan, †MgH
1.0
0.8
0.6
0.4
0.2
0.0
19,300
19,305
19,310
19,315
19,320
19,325
19,330
19,335
19,340
19,345
19,350
cm−1
5166
5164
5162
5160
5158
5156
5154
Å
Fe I
Cr I
0–0 Q1 14†
Fe I
Fe I
C2 Swan
0–0 head
0–0 P21, P1 21* blend*
0–0 P2 15†
0–0 P3 22*
0–0 P2 22*
0–0 P3 23*
Fe I
Cr I
0–0 P2 24, P1 24*
0–0 P3 24*
Fe II
0–0 P2 25, P1 25*
0–0 P3 25*
Fe I
0–0 Q1 16†
0–0 P2 26, P1 26*
0–0 P3 26*
0–0 P3 27*
0–0 Q2 16†
0–0 P2 27, P1 27*
Fe I
Co I
0–0 P2 28, P1 28*
0–0 P3 28*
Ni I
0–0 P3 29*
0–0 P2 29, P1 29*
0–0 Q1 17†
Fe I
Co I
Si I
Ni I
0–0 P2 31, P1 31*
Fe II
Ni I
Co I, Ti II
Cr II
0–0 Q1 18†
Na I
Cu I
1.0
0.8
0.6
0.4
0.2
0.0
19,350
19,355
19,360
19,365
19,370
19,375
19,380
19,385
19,390
19,395
19,400
cm−1