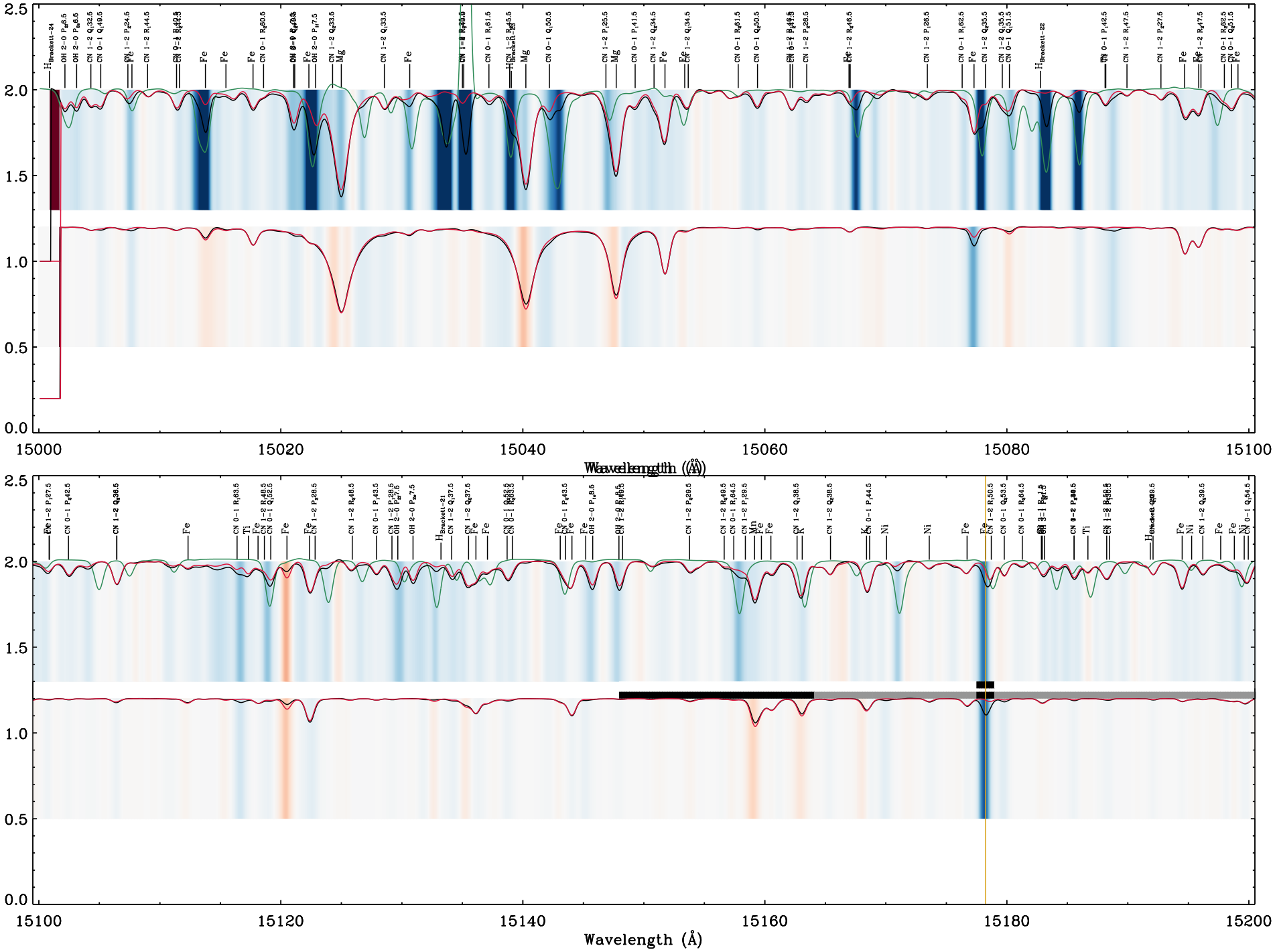
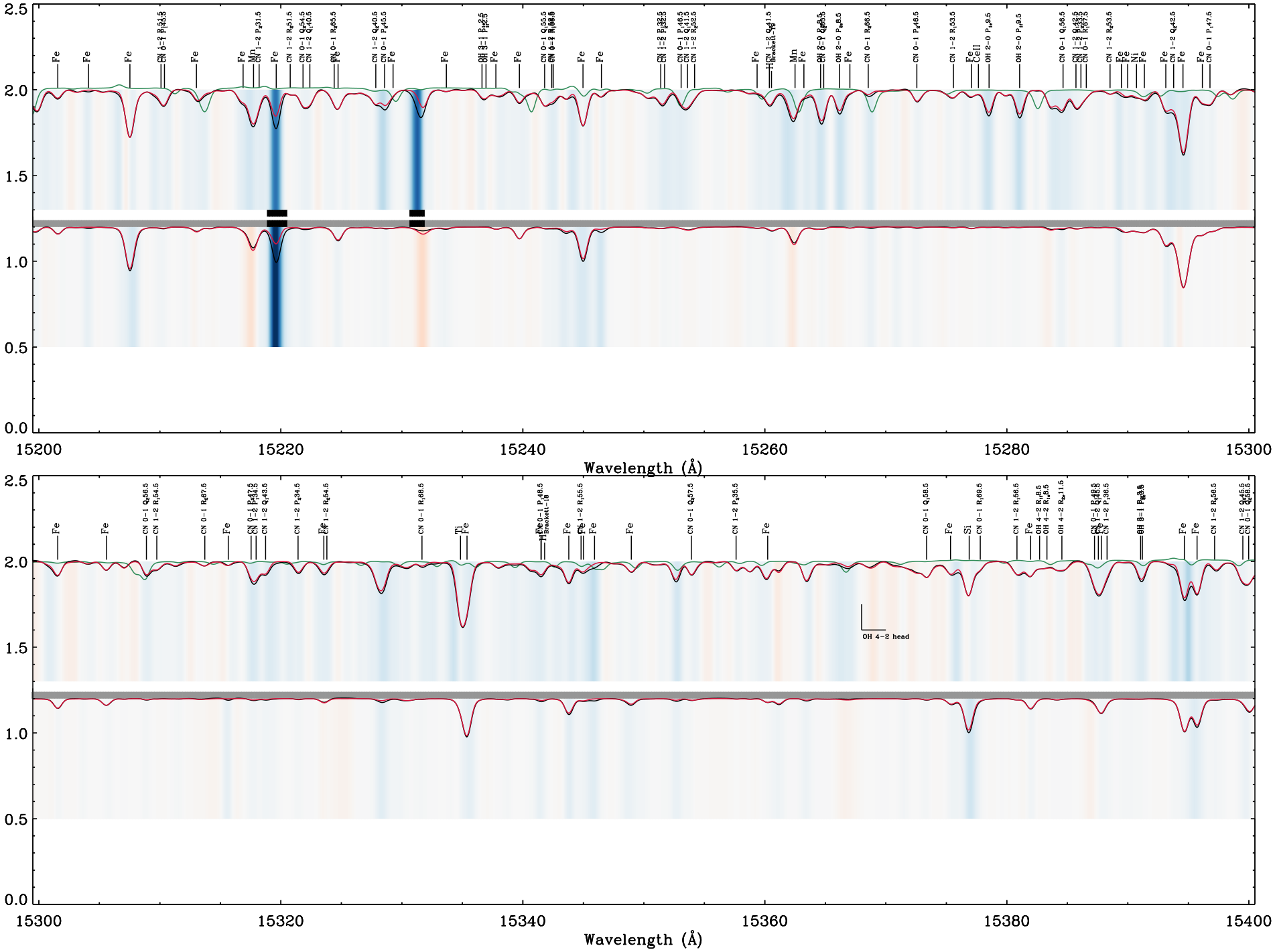
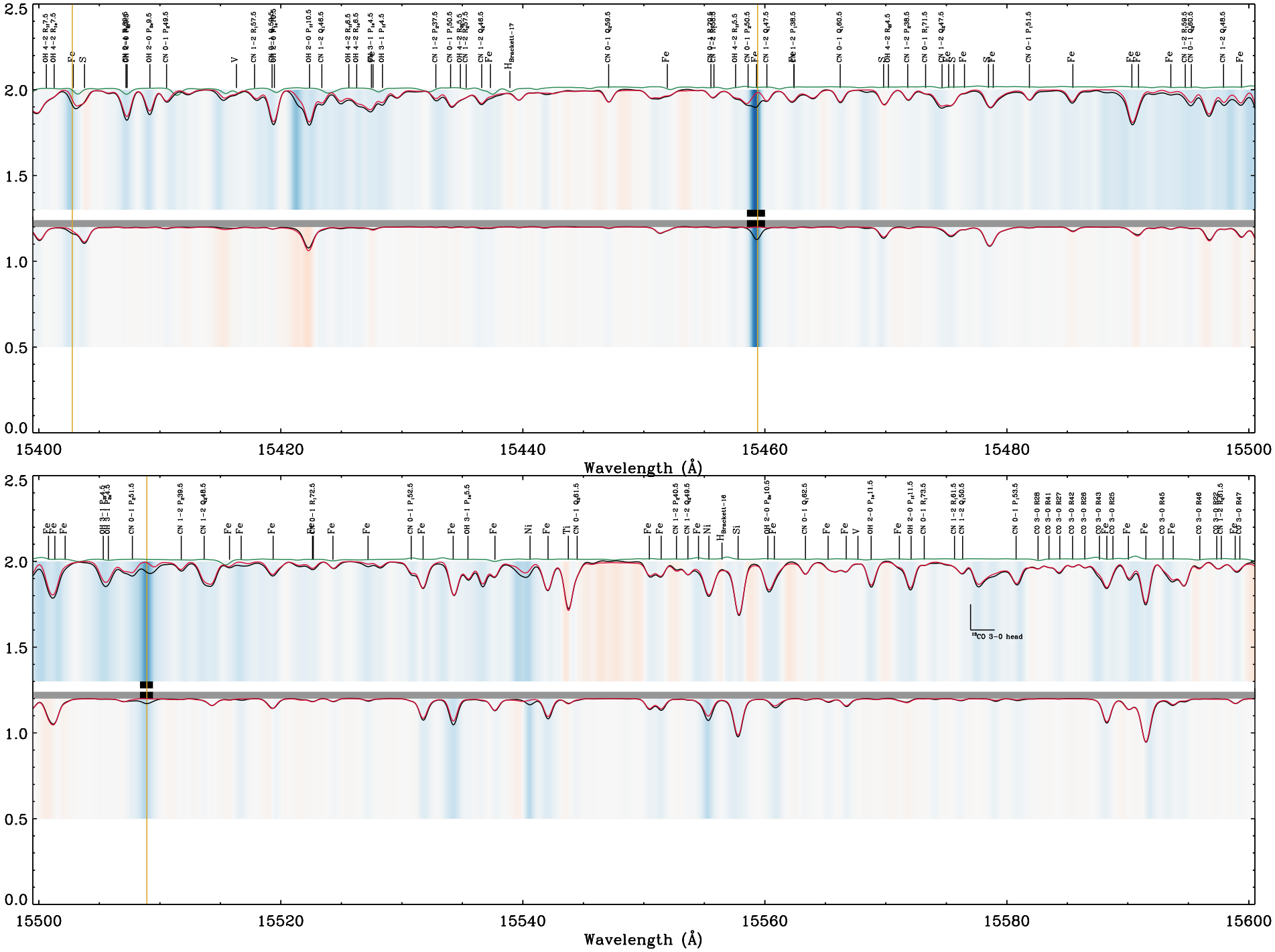
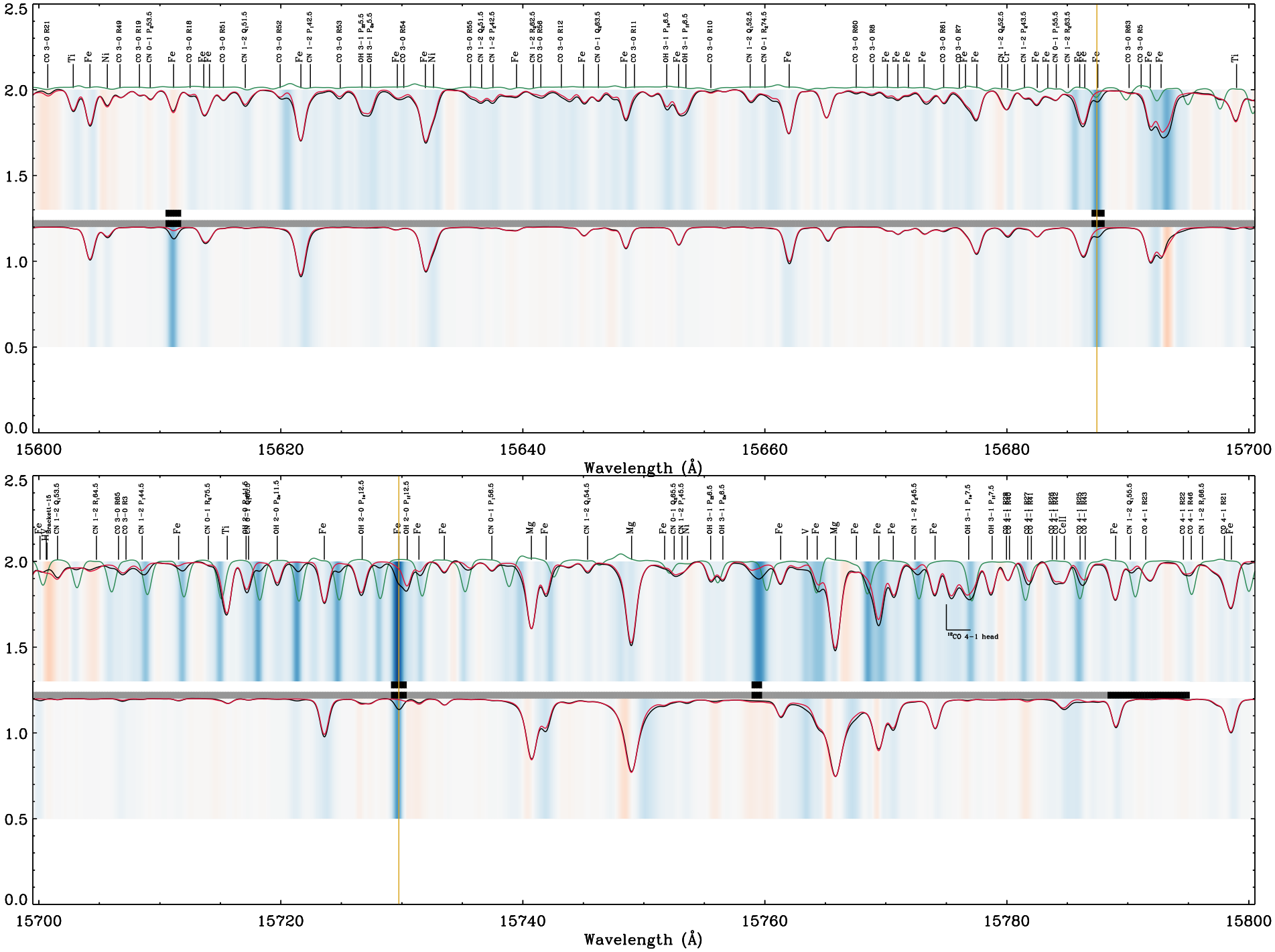
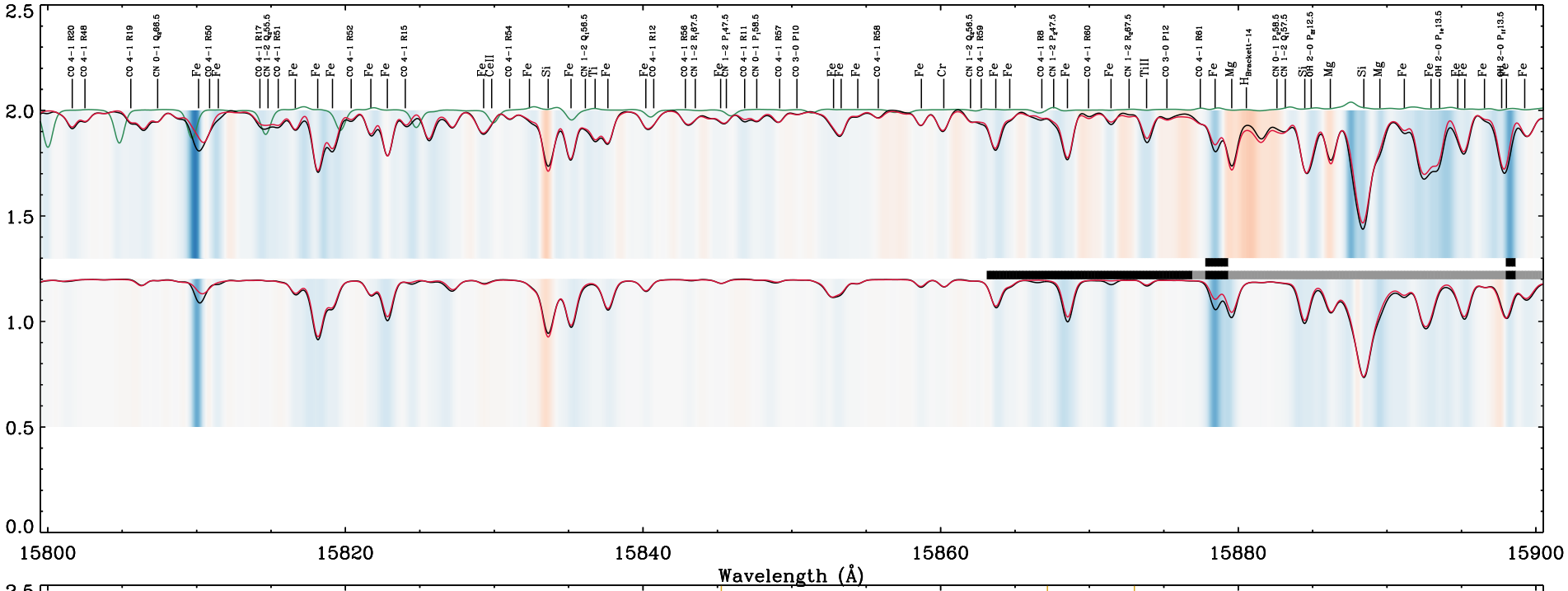

Wavelength (Å)
Wavelength (Å)


Wavelength (Å)
Wavelength (Å)
OH 4−2 head


2.5
2.0
1.5
1.0
0.5
0.0
15400
15420
15440
15460
15480
15500
Wavelength (Å)
15500
15520
15540
15560
15580
15600
Wavelength (Å)
^{13}CO 3-0 head


Wavelength (Å)
Wavelength (Å)
^{13}CO 4−1 head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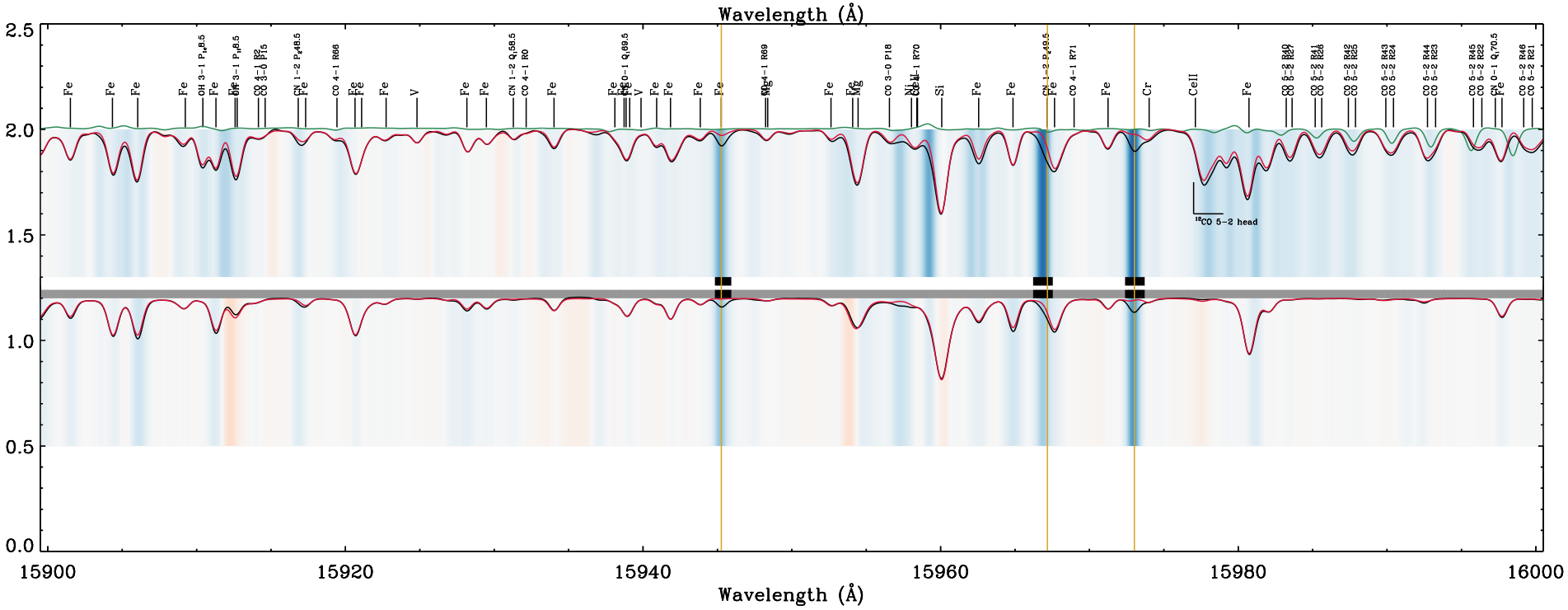
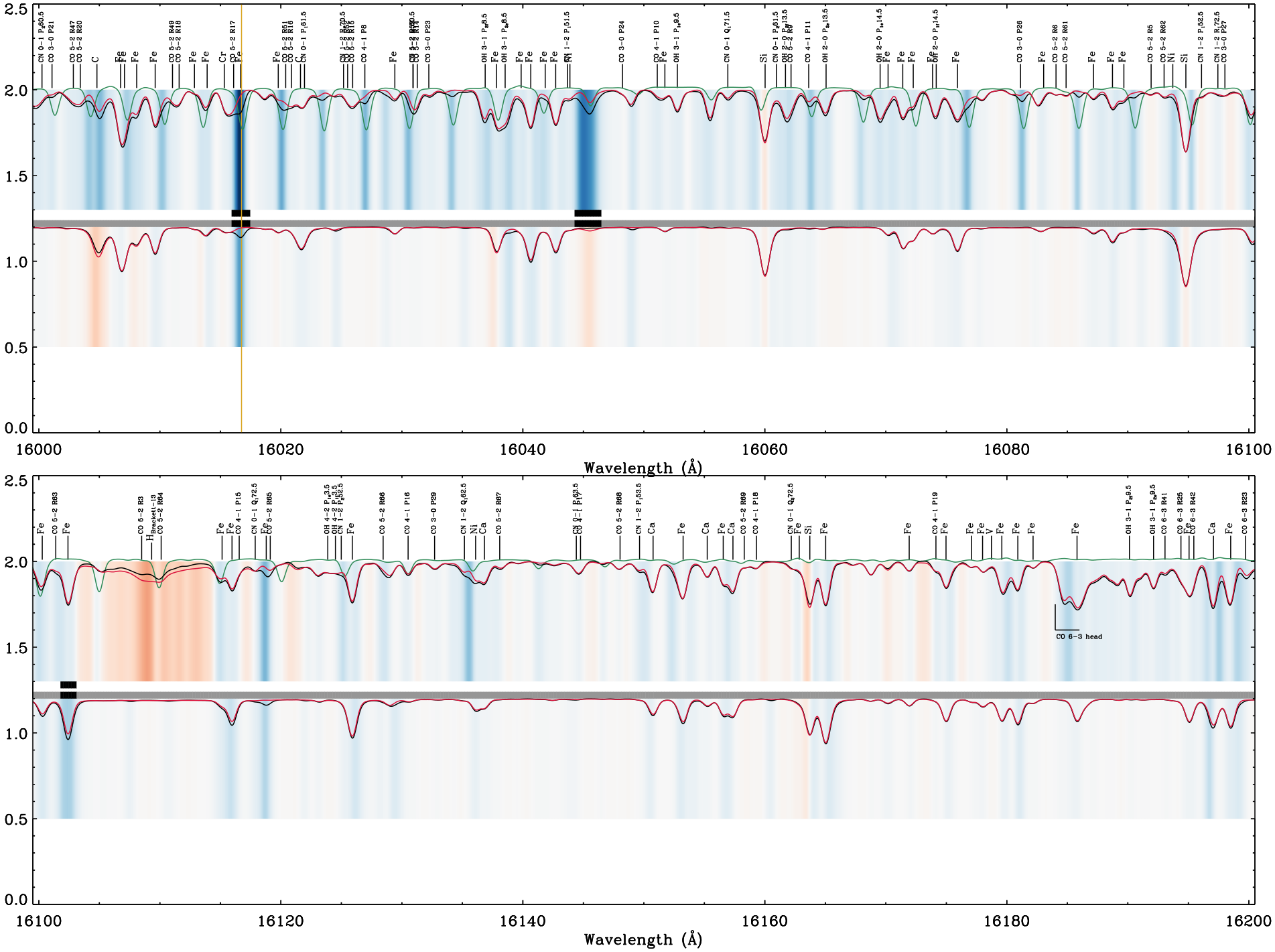
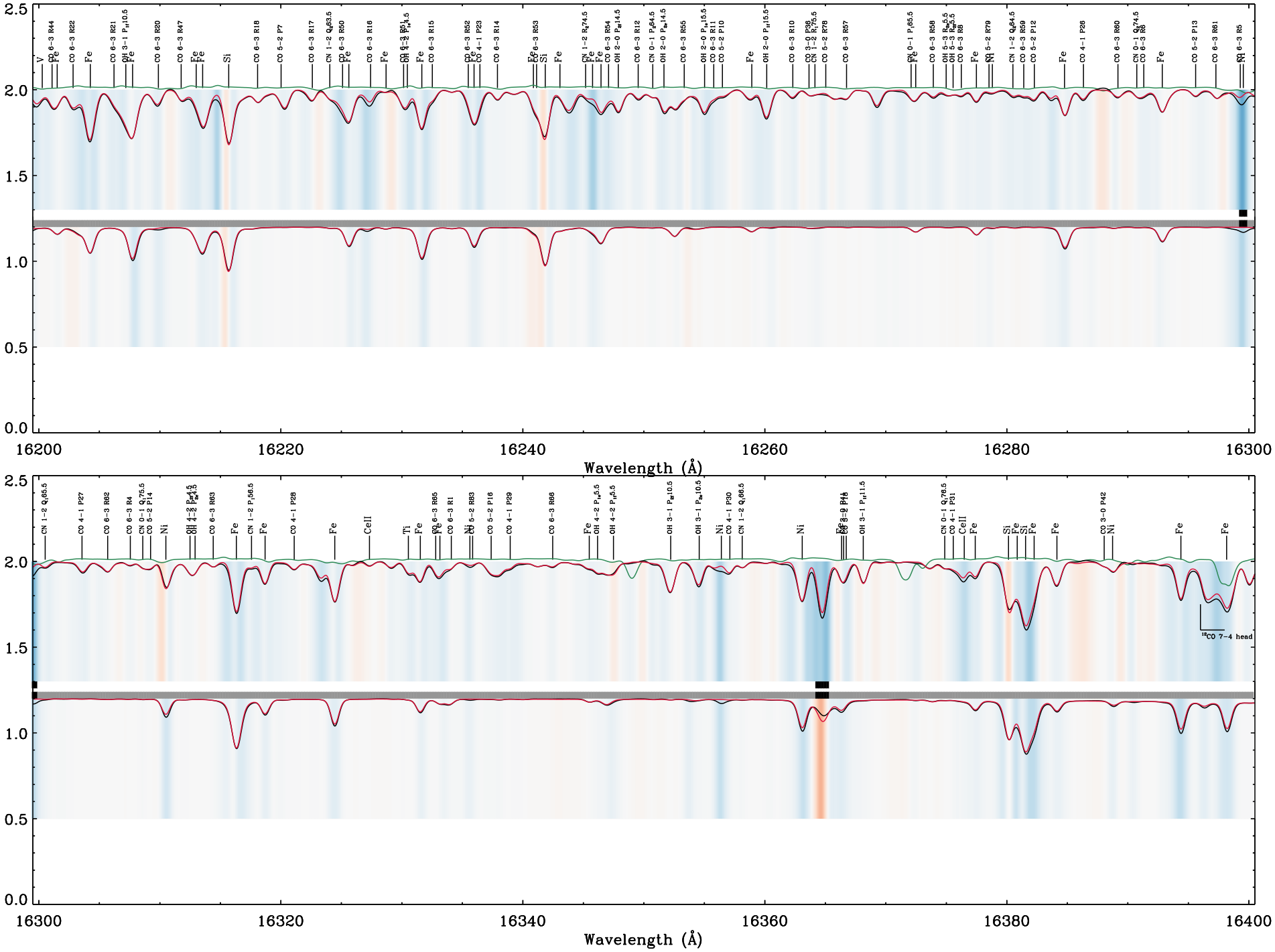
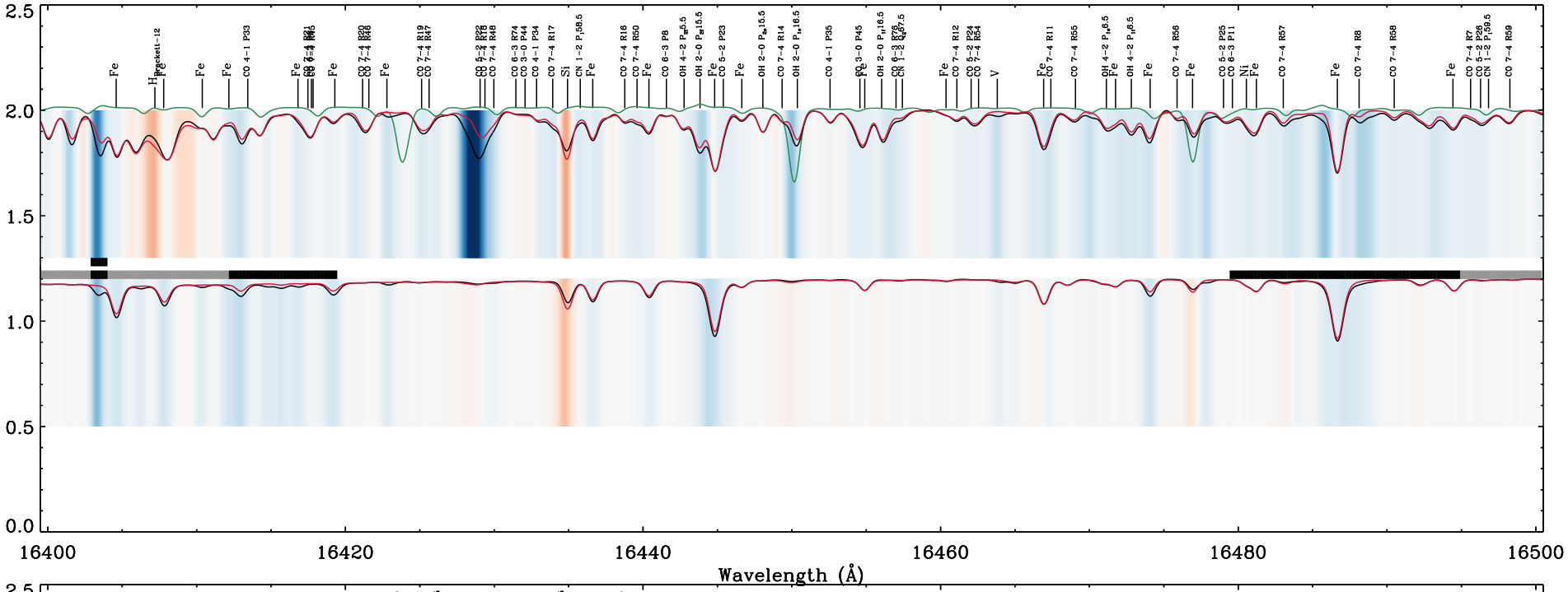
0.5
0.0
15800
15820
15840
15860
15880
15900
Wavelength (Å)


2.5
2.0
1.5
1.0
0.5
0.0
15900
15920
15940
15960
15980
16000
Wavelength (Å)
^{13}CO 5−2 head


Wavelength (Å)
Wavelength (Å)
CO 6-3 head


Wavelength (Å)
Wavelength (Å)
^{18}CO 7–4 head


2.5
2.0
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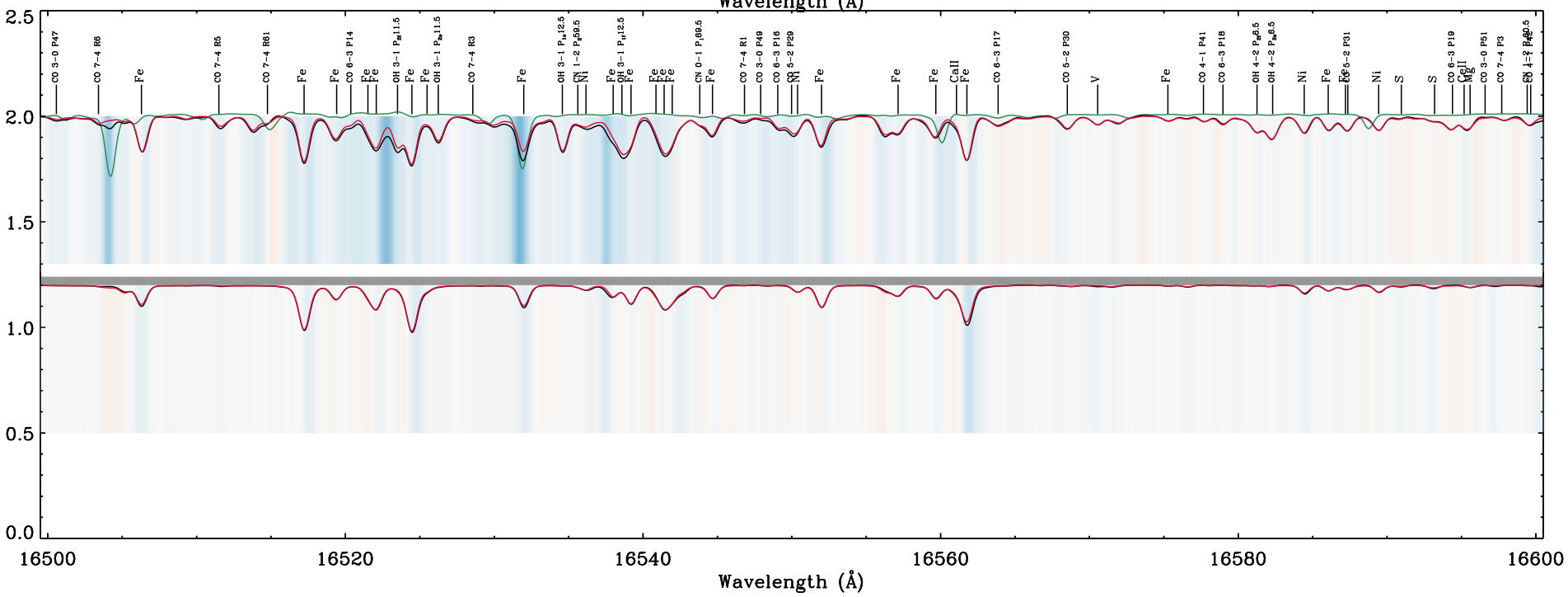
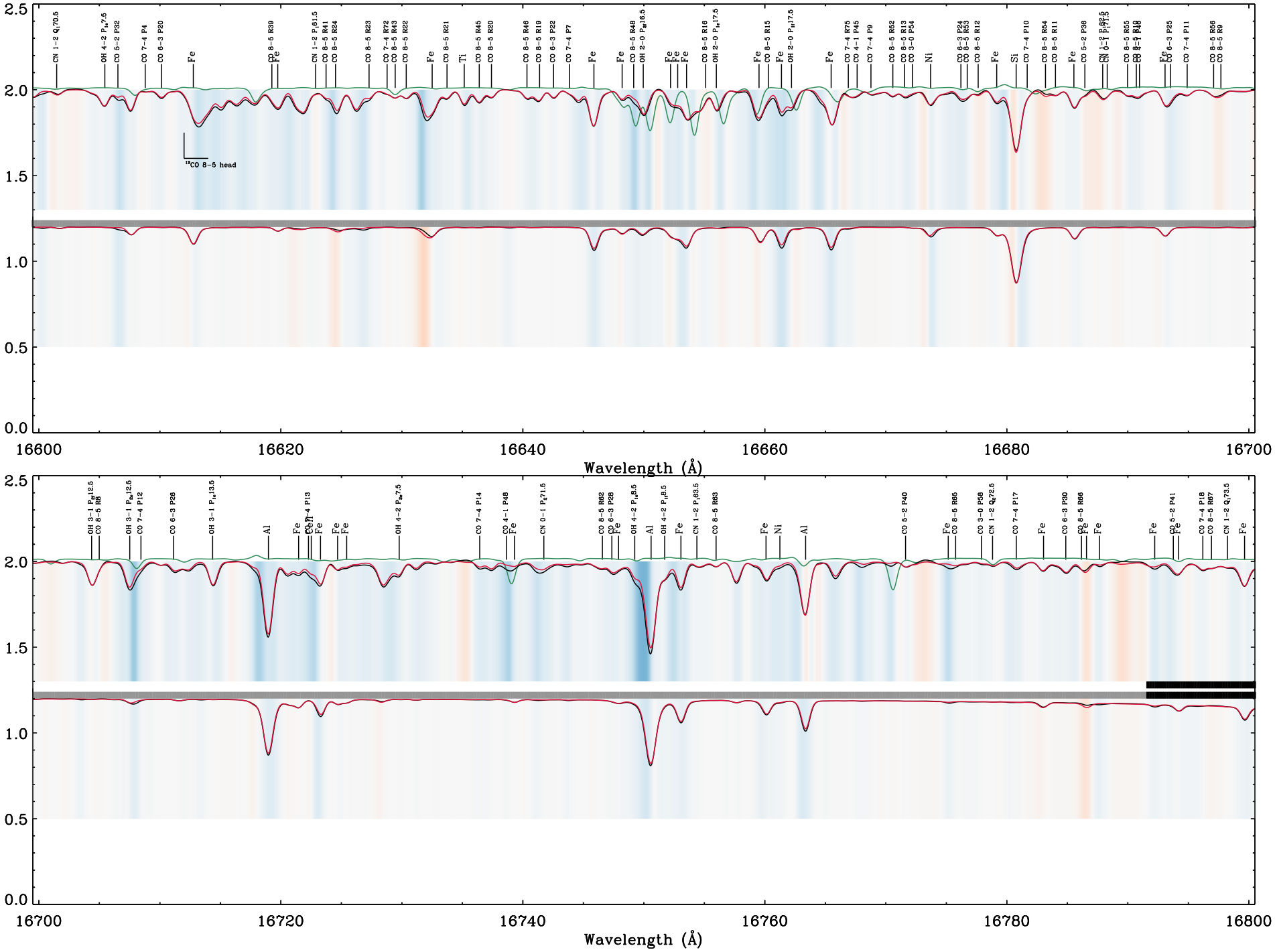
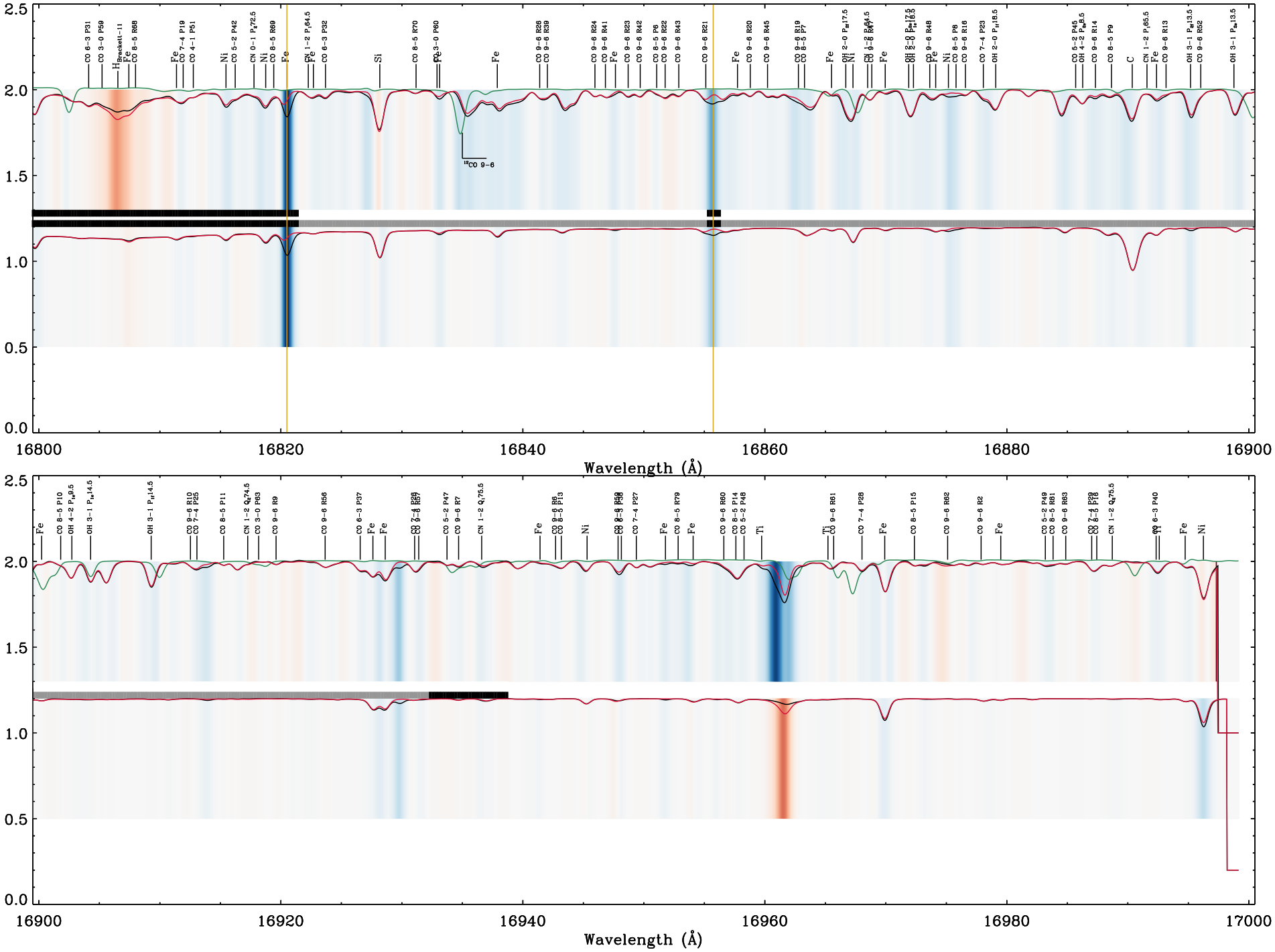
1.0
0.5
0.0
16400
16420
16440
16460
16480
16500
Wavelength (Å)


2.5
2.0
1.5
1.0
0.5
0.0
16500
16520
16540
16560
16580
16600
Wavelength (Å)


2.5
2.0
1.5
1.0
0.5
0.0
16600
16620
16640
16660
16680
16700
Wavelength (Å)
CN 1−2 Q,70.5
OH 4−2 P_18,7.5
CO 5−2 P32
CO 7−4 P4
CO 6−3 P20
Fe
CO 8−5 R39
Fe
CN 1−2 P,61.5
CO 8−5 R41
CO 8−5 R24
CO 8−5 R23
CO 7−4 R72
CO 8−5 R43
CO 8−5 R22
Fe
CO 8−5 R21
Ti
CO 8−5 R45
CO 8−5 R20
CO 8−5 R46
CO 8−5 R19
CO 6−3 P22
CO 7−4 P7
Fe
Fe
CO 8−5 R48
OH 2−0 P_e16.5
Fe
Fe
Fe
CO 8−5 R16
OH 2−0 P_e17.5
Fe
CO 8−5 R15
Fe
OH 2−0 P_f17.5
Fe
CO 7−4 R75
CO 4−1 P45
CO 7−4 P9
CO 8−5 R52
CO 8−5 R13
CO 3−0 P54
Ni
CO 8−3 P24
CO 8−3 R53
CO 8−5 R12
Fe
Si
CO 7−4 P10
CO 8−5 R54
CO 8−5 R11
Fe
CO 5−2 P36
CN 0−2 P,62.5
CN 0−2 P,71.5
CO 8−5 R55
CO 8−5 R48
Fe
CO 6−3 P25
CO 7−4 P11
CO 8−5 R56
CO 8−5 R9
^{13}CO 8−5 head
OH 3−1 P_e12.5
CO 8−5 R8
OH 3−1 P_e12.5
CO 7−4 P12
CO 6−3 P28
OH 3−1 P_e13.5
Al
Fe
CO 7−4 P13
Fe
Fe
Fe
OH 4−2 P_e7.5
CO 7−4 P14
CO 4−1 P48
Fe
CN 0−1 P,71.5
CO 8−5 R62
CO 6−3 P28
Fe
OH 4−2 P_f8.5
Al
OH 4−2 P_f8.5
Fe
CN 1−2 P,63.5
CO 8−5 R63
Fe
Ni
Al
CO 5−2 P40
Fe
CO 8−5 R65
CO 3−0 P58
CN 1−2 Q,72.5
CO 7−4 P17
Fe
CO 6−3 P30
CO 8−5 R66
Fe
Fe
Fe
CO 5−2 P41
Fe
CO 7−4 P18
CO 8−5 R67
CN 1−2 Q,73.5
Fe


2.5
2.0
1.5
1.0
0.5
0.0
16800
16820
16840
16860
16880
16900
Wavelength (Å)
16900
16920
16940
16960
16980
17000
Wavelength (Å)