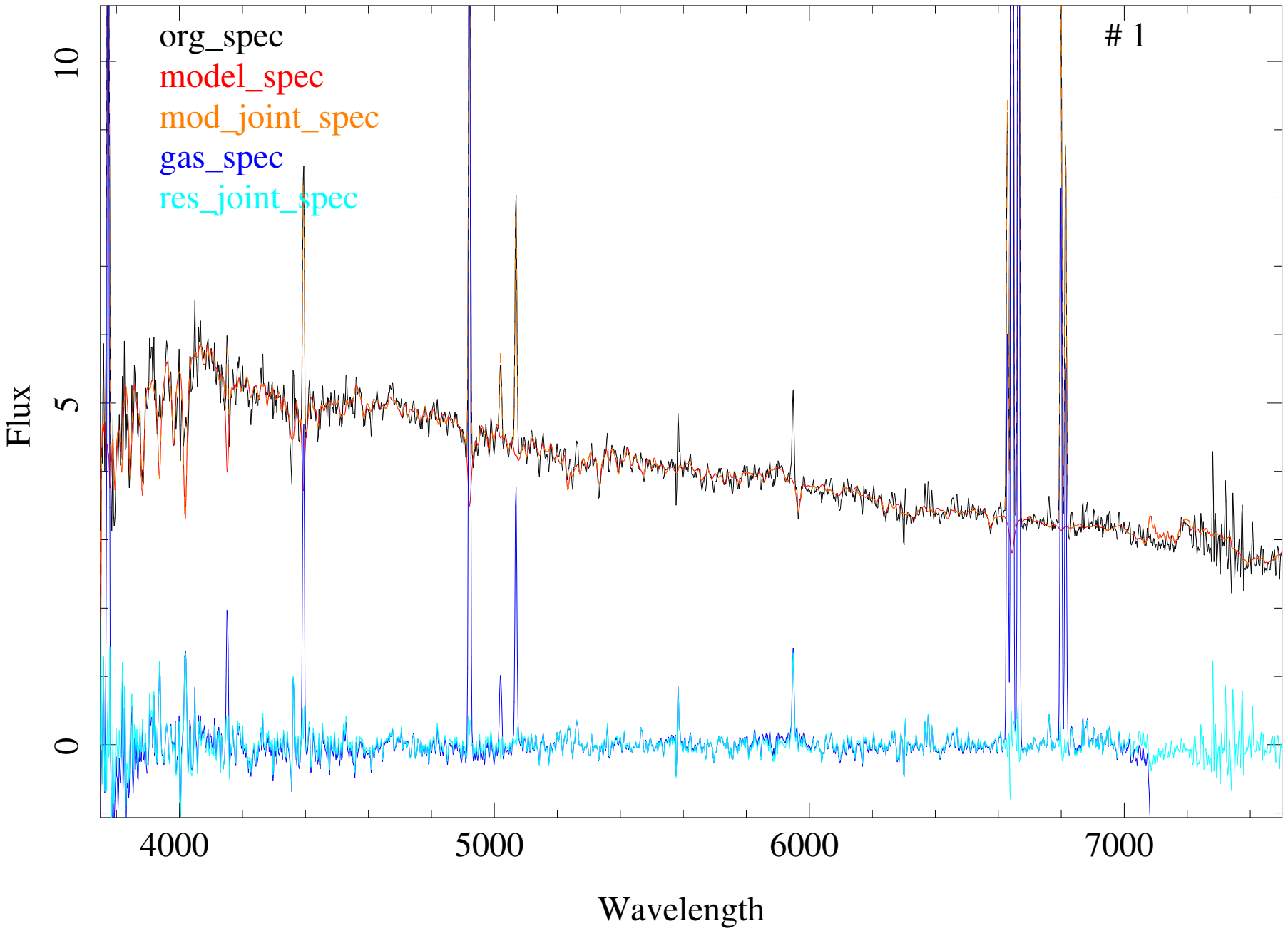
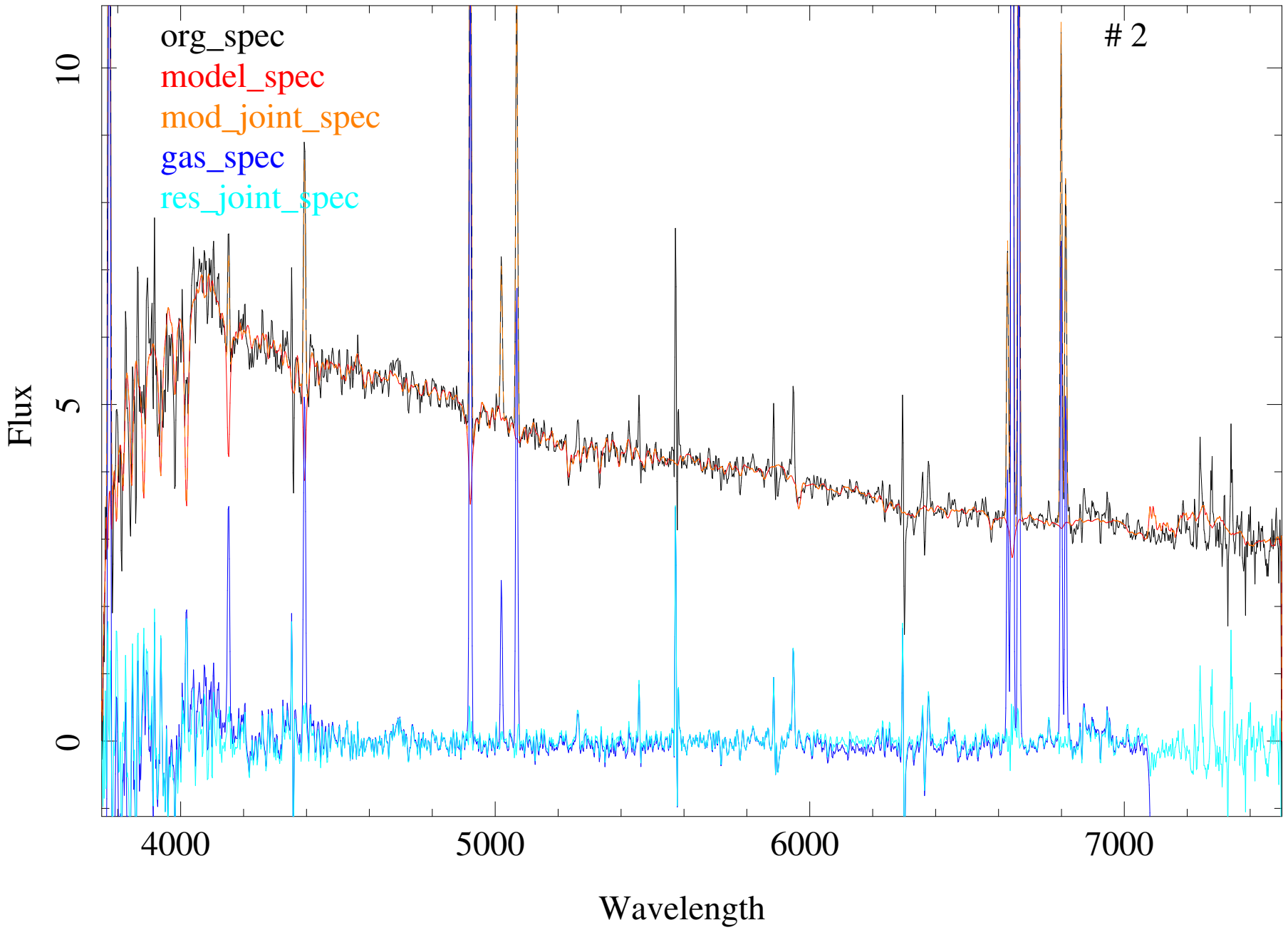
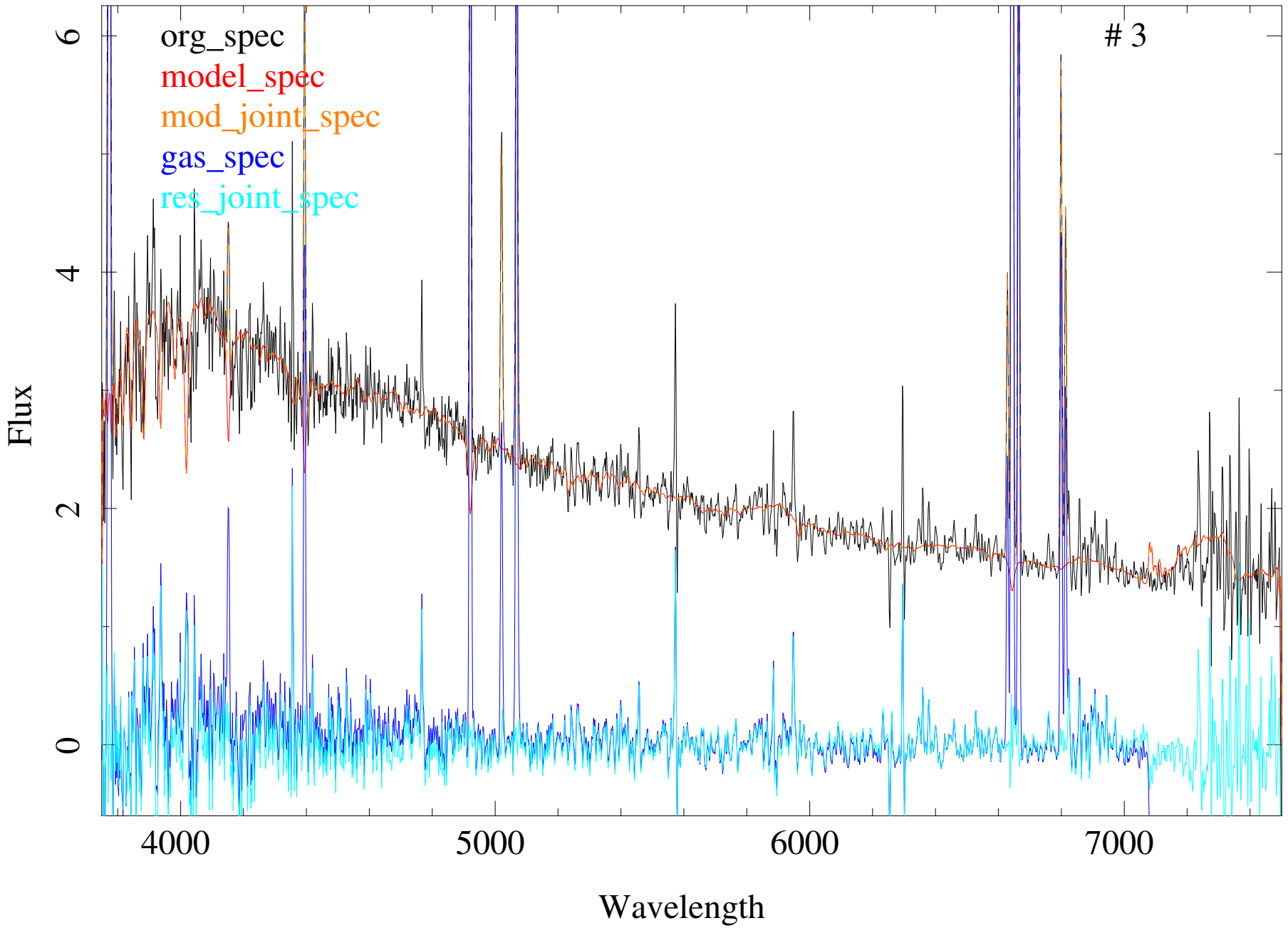
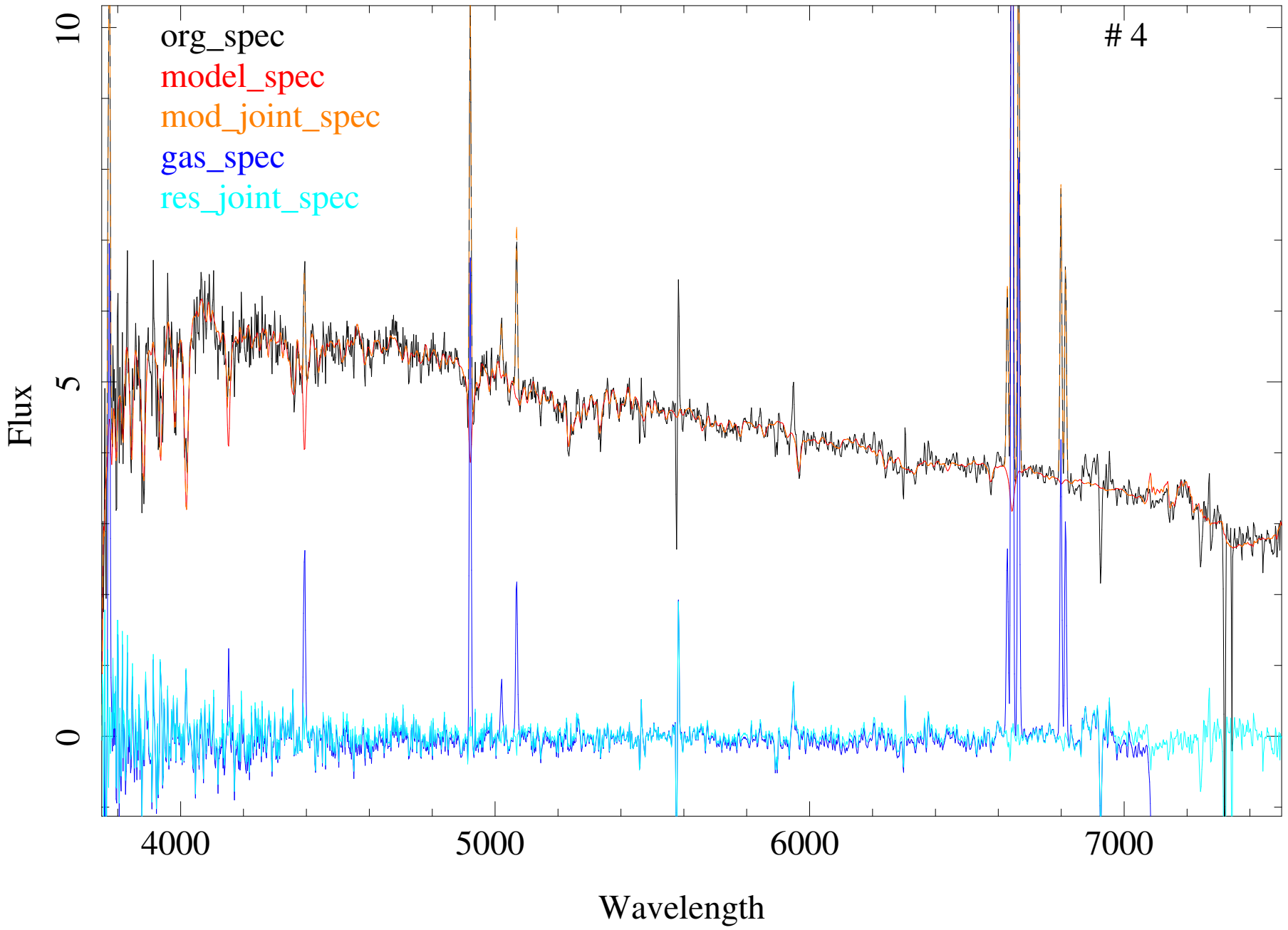
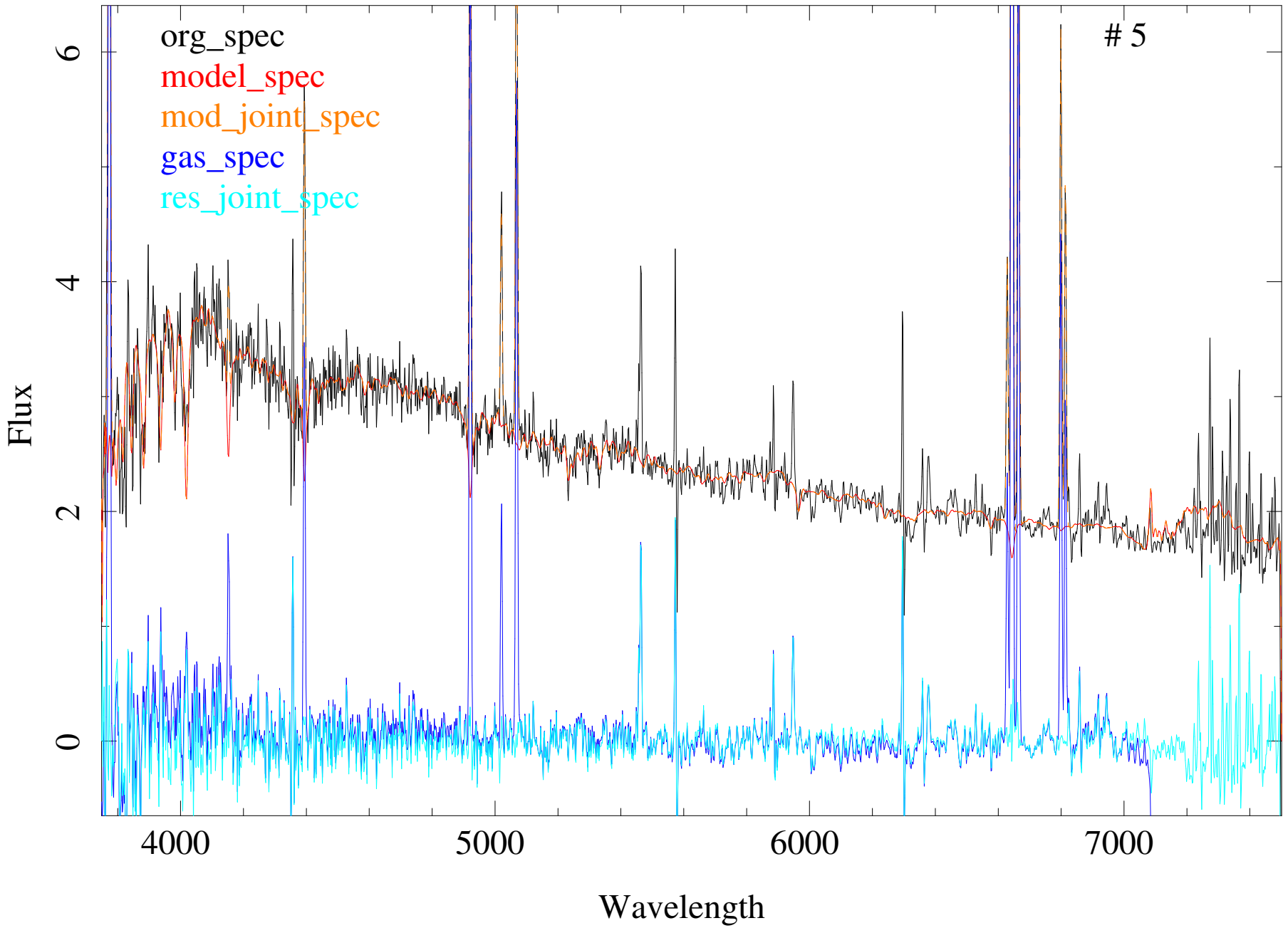
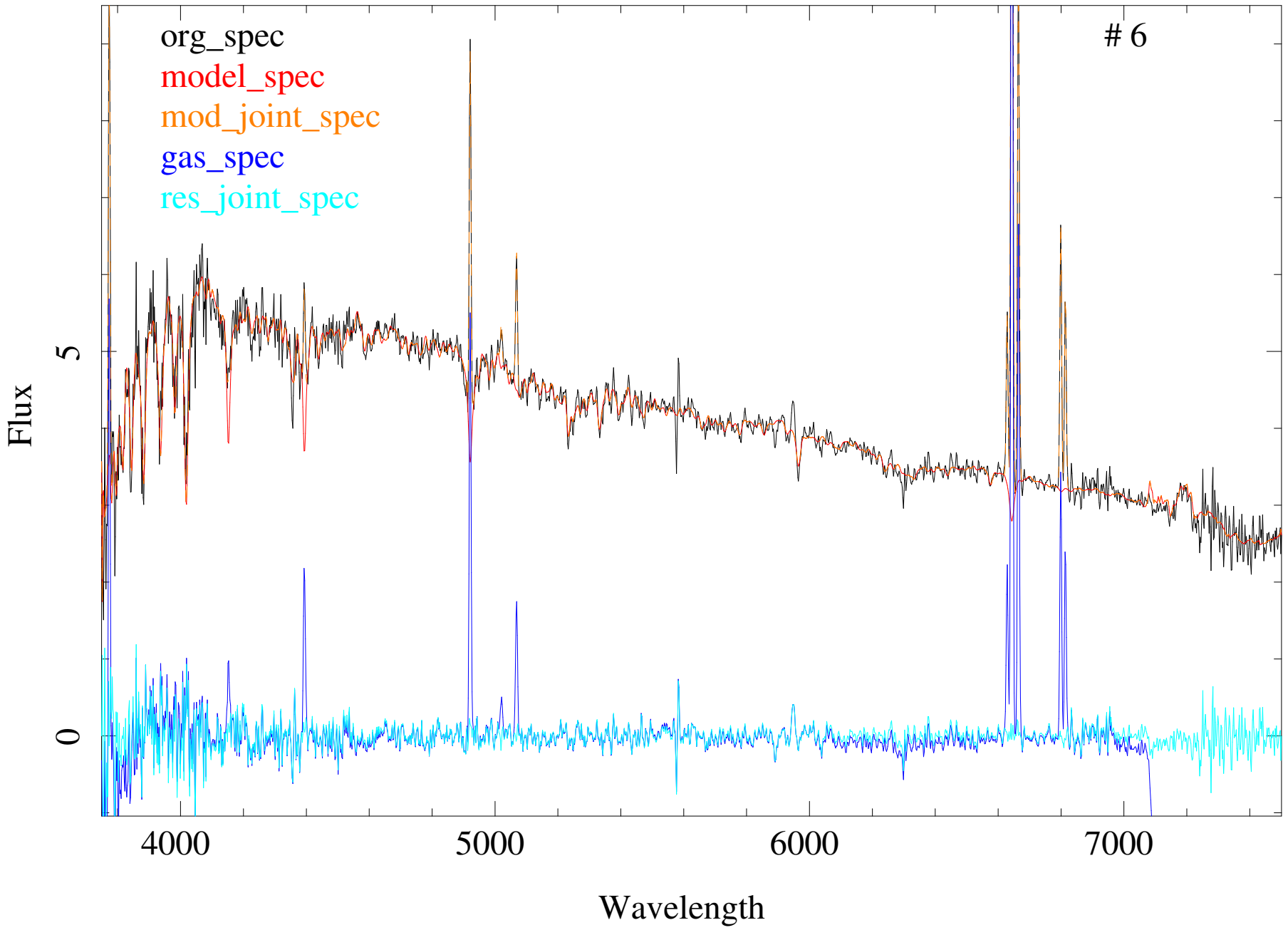

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
1
Flux
0
5
10
4000
5000
6000
7000
Wavelength

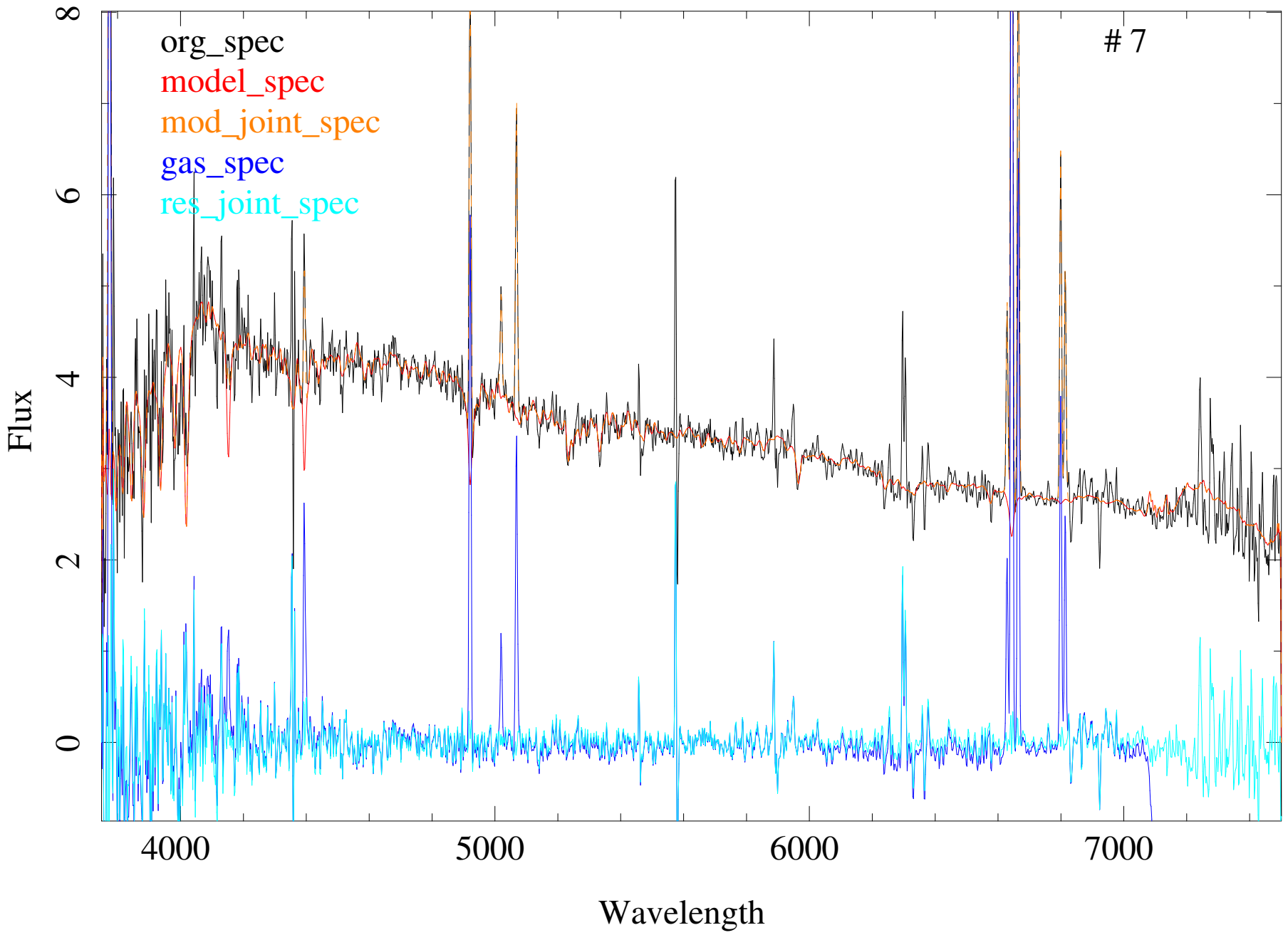

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
2
Flux
0
5
10
4000
5000
6000
7000
Wavelength

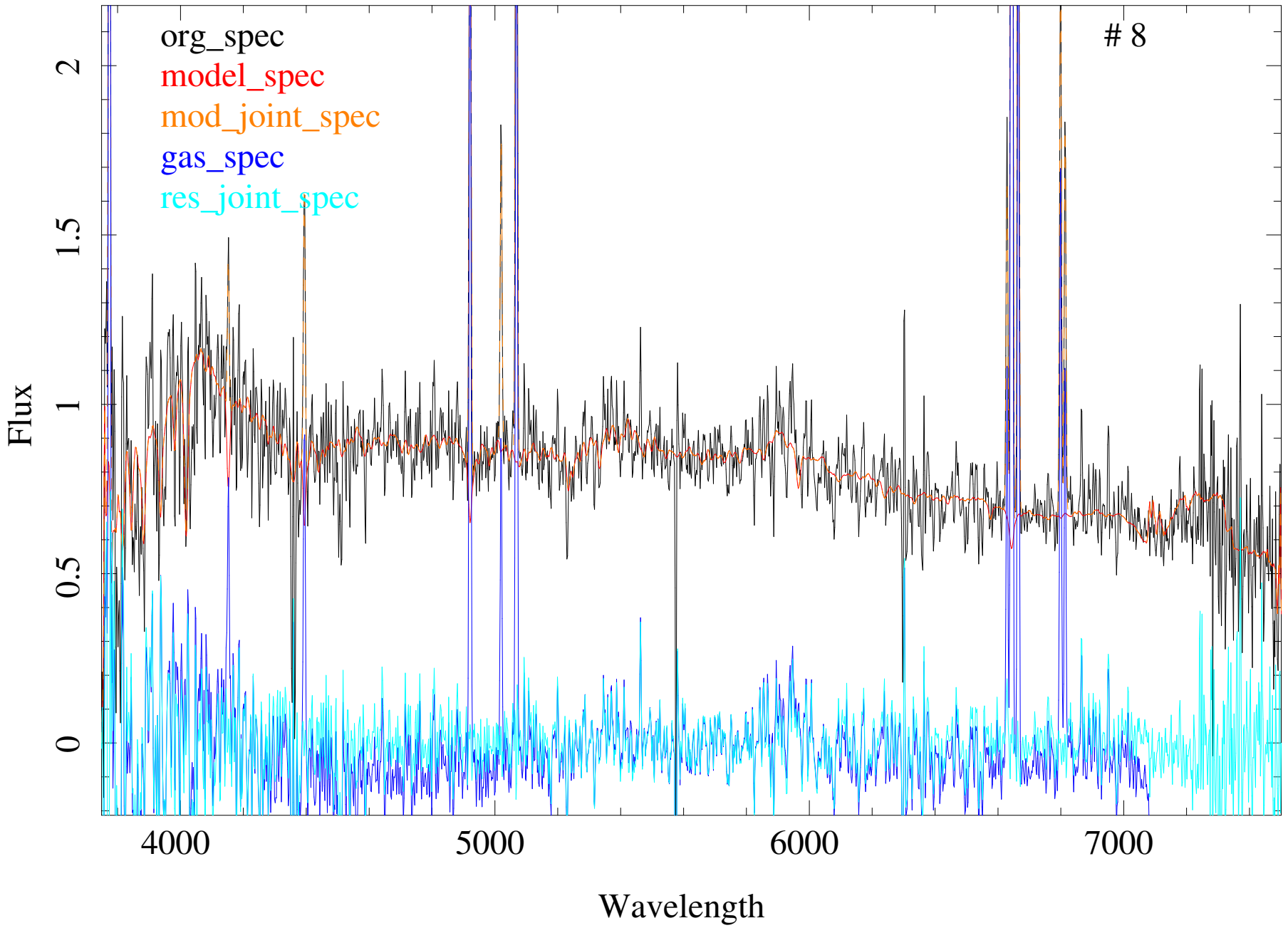

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
3
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

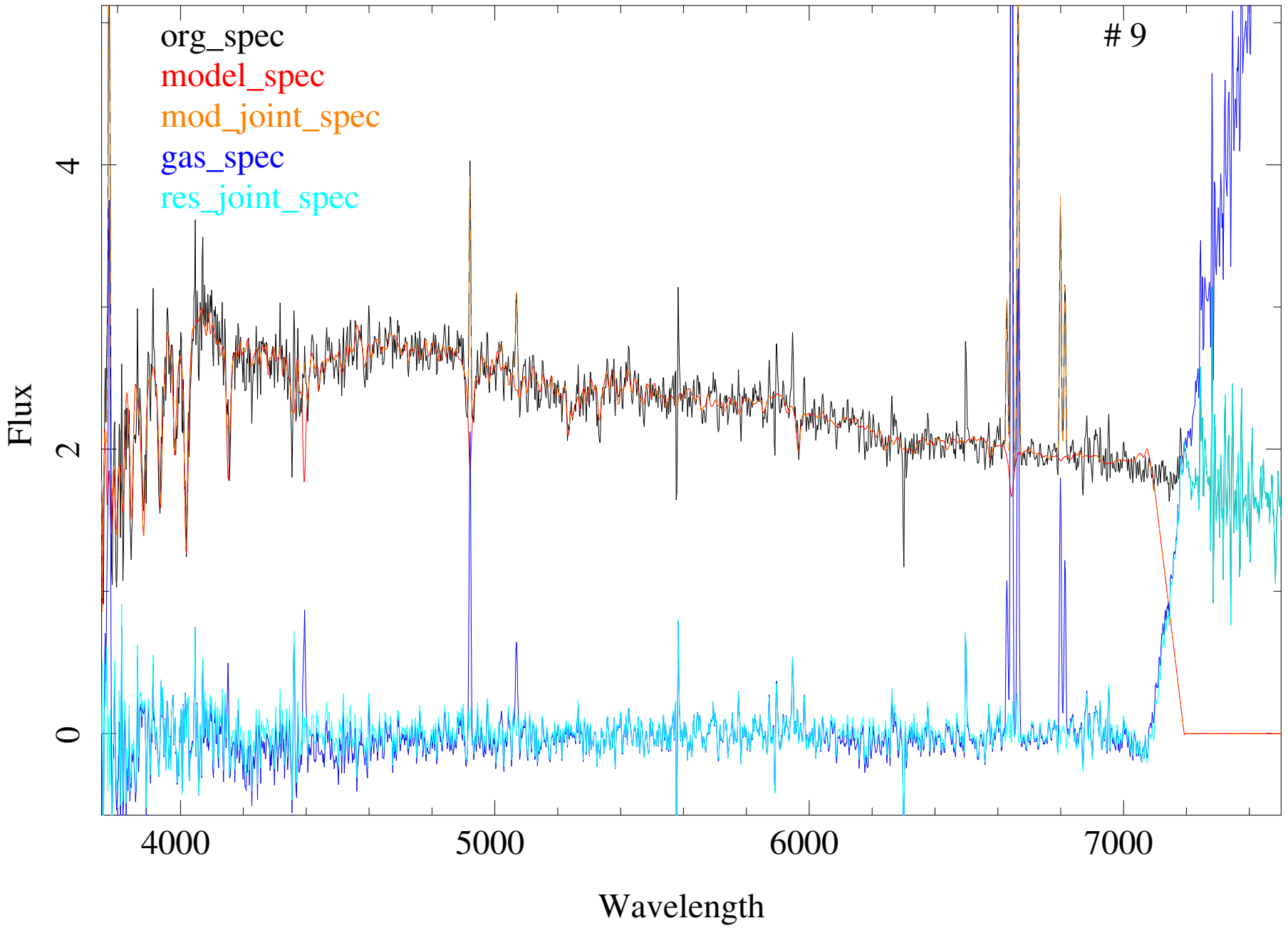

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
4
Flux
0
5
10
4000
5000
6000
7000
Wavelength

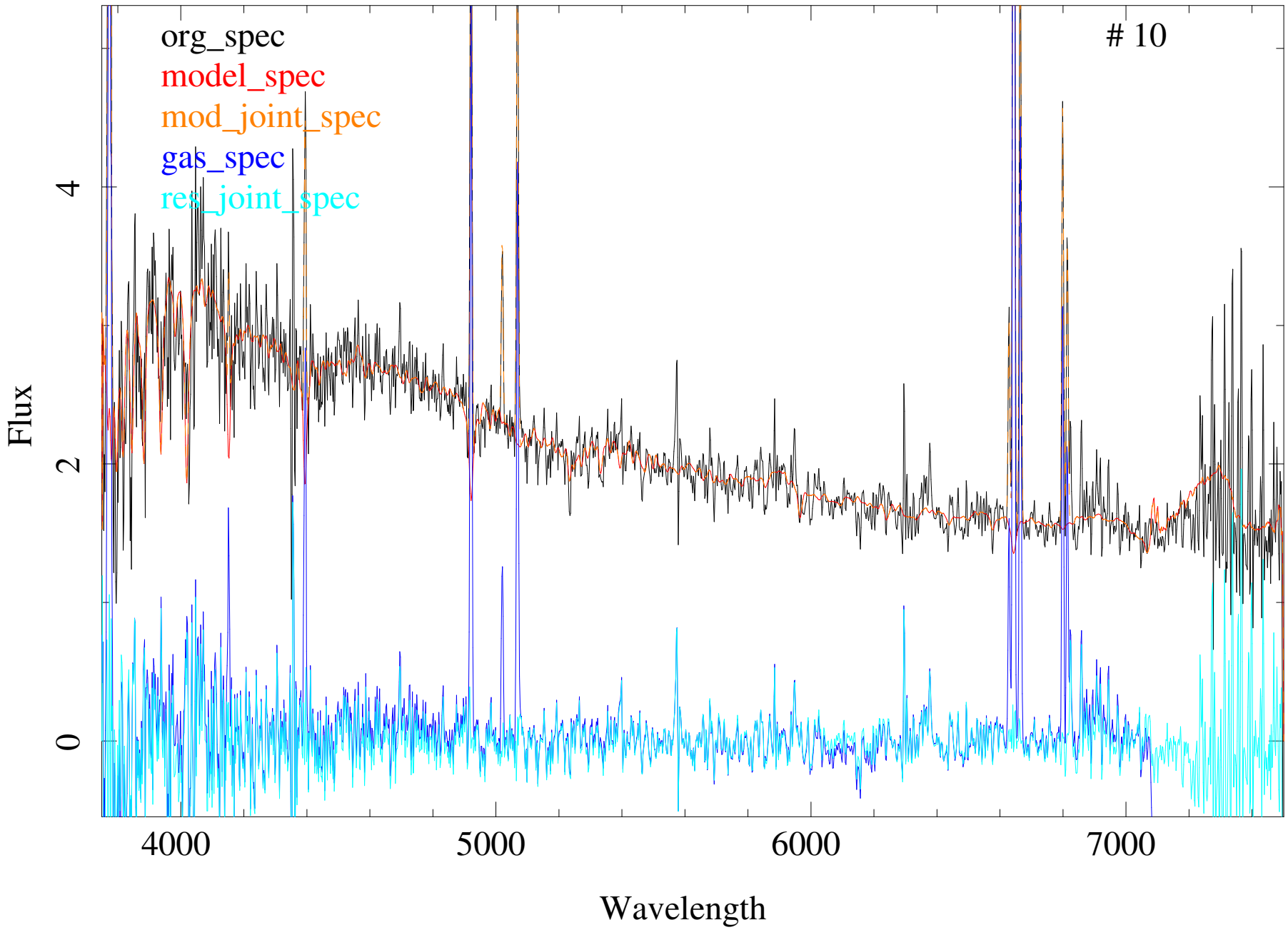

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
5
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

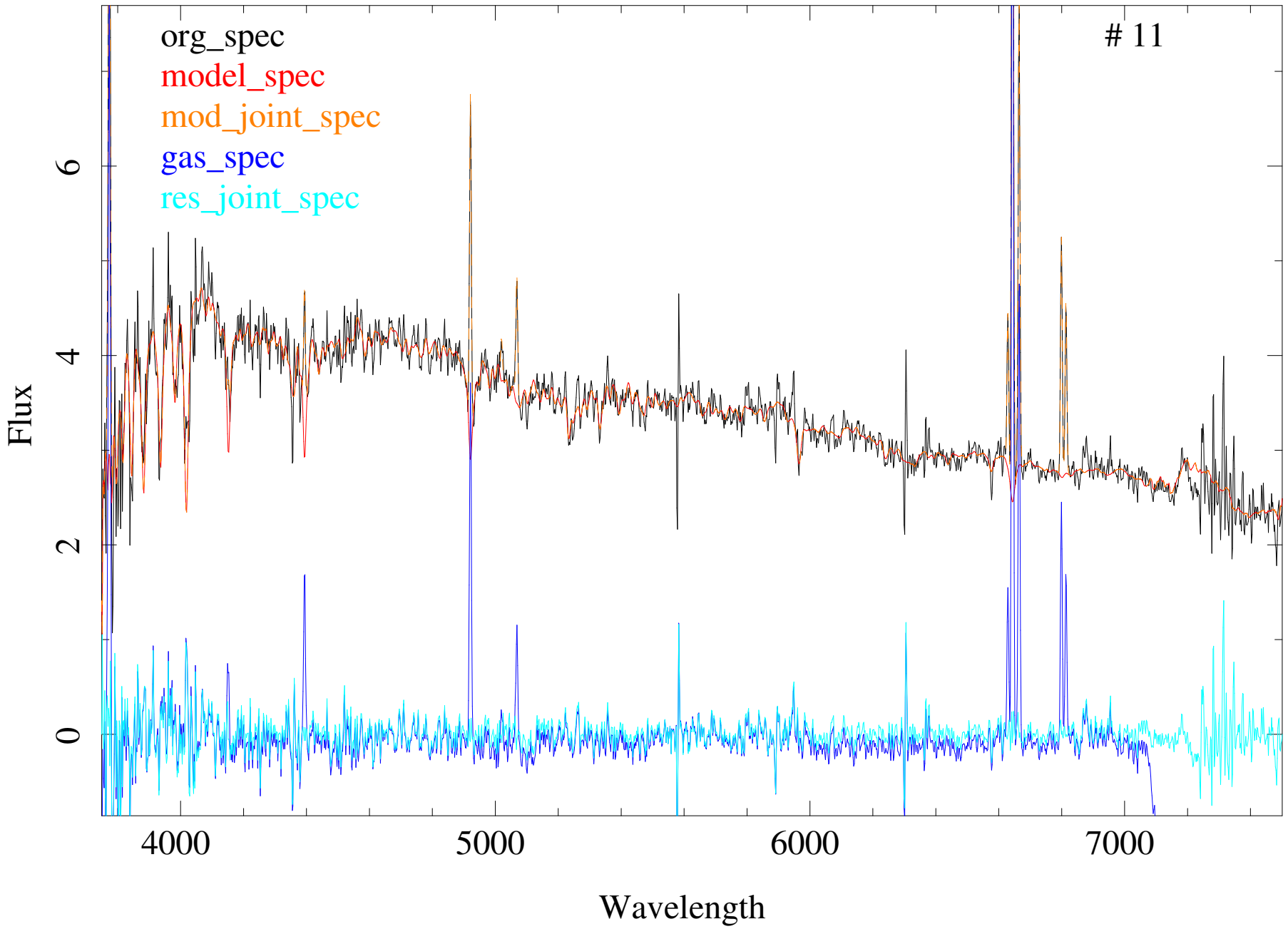

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
6
Flux
0
5
4000
5000
6000
7000
Wavelength

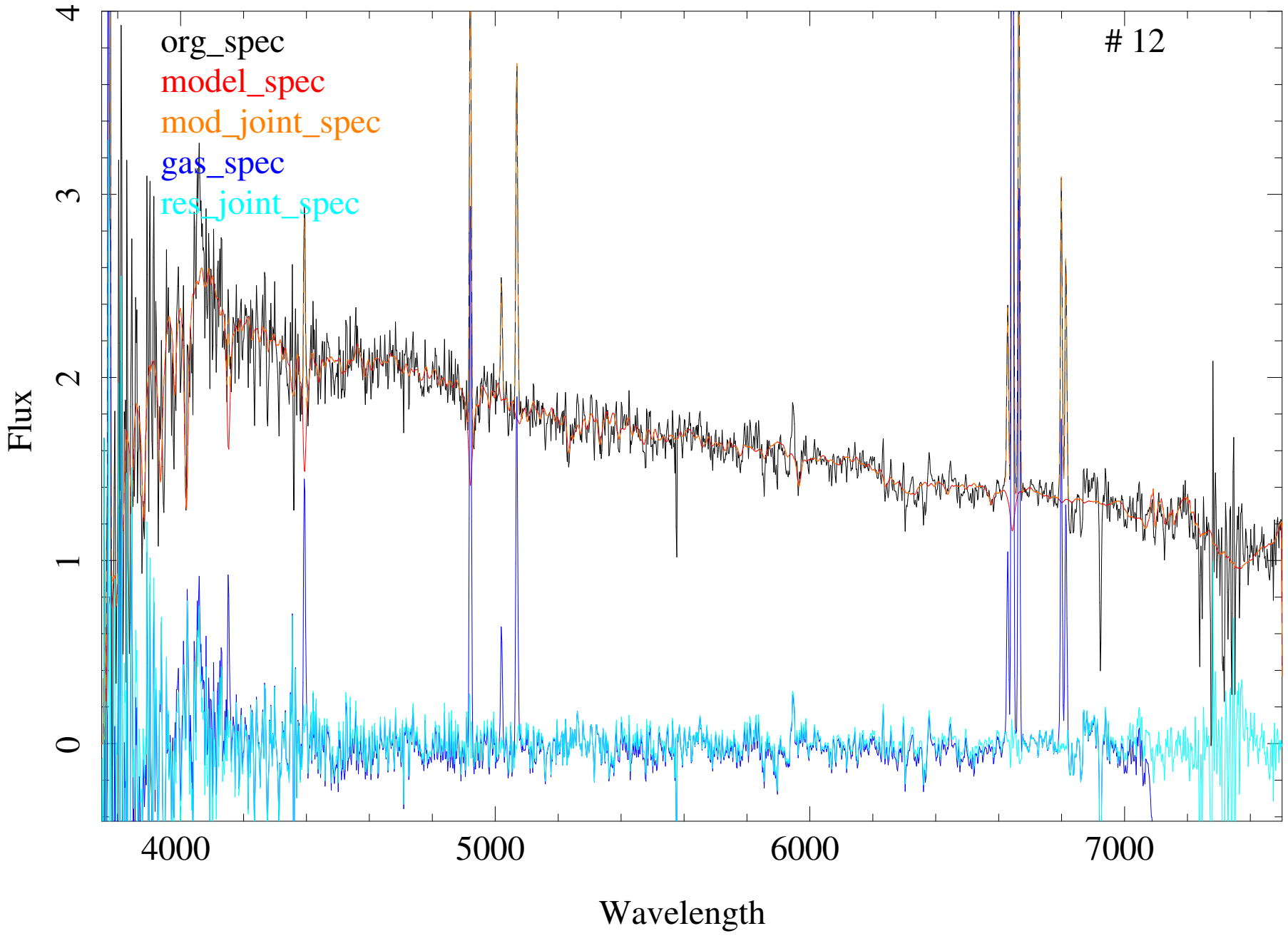

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
7
Flux
0
2
4
6
8
4000
5000
6000
7000
Wavelength

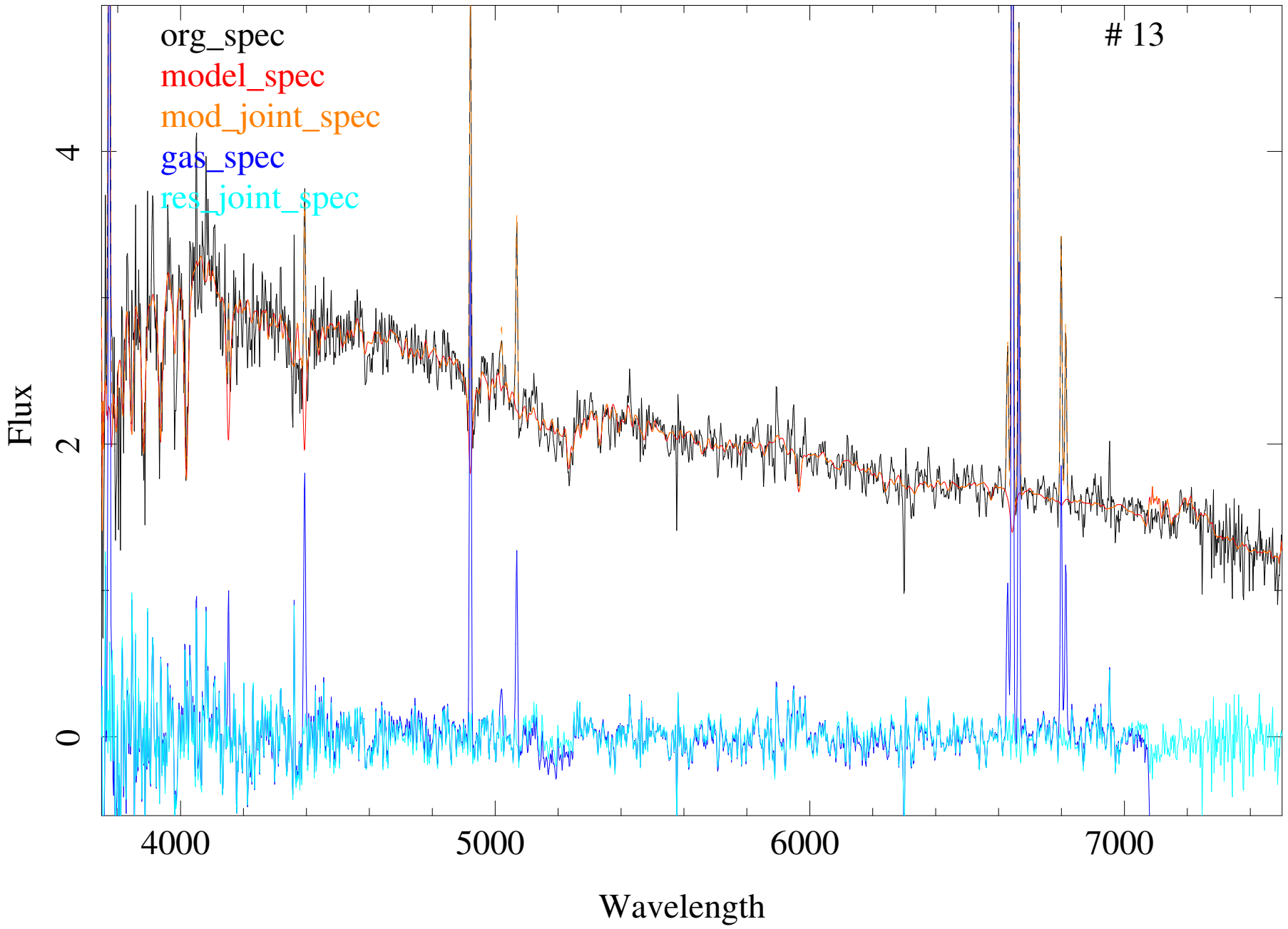

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
8
Flux
0
0.5
1
1.5
2
4000
5000
6000
7000
Wavelength

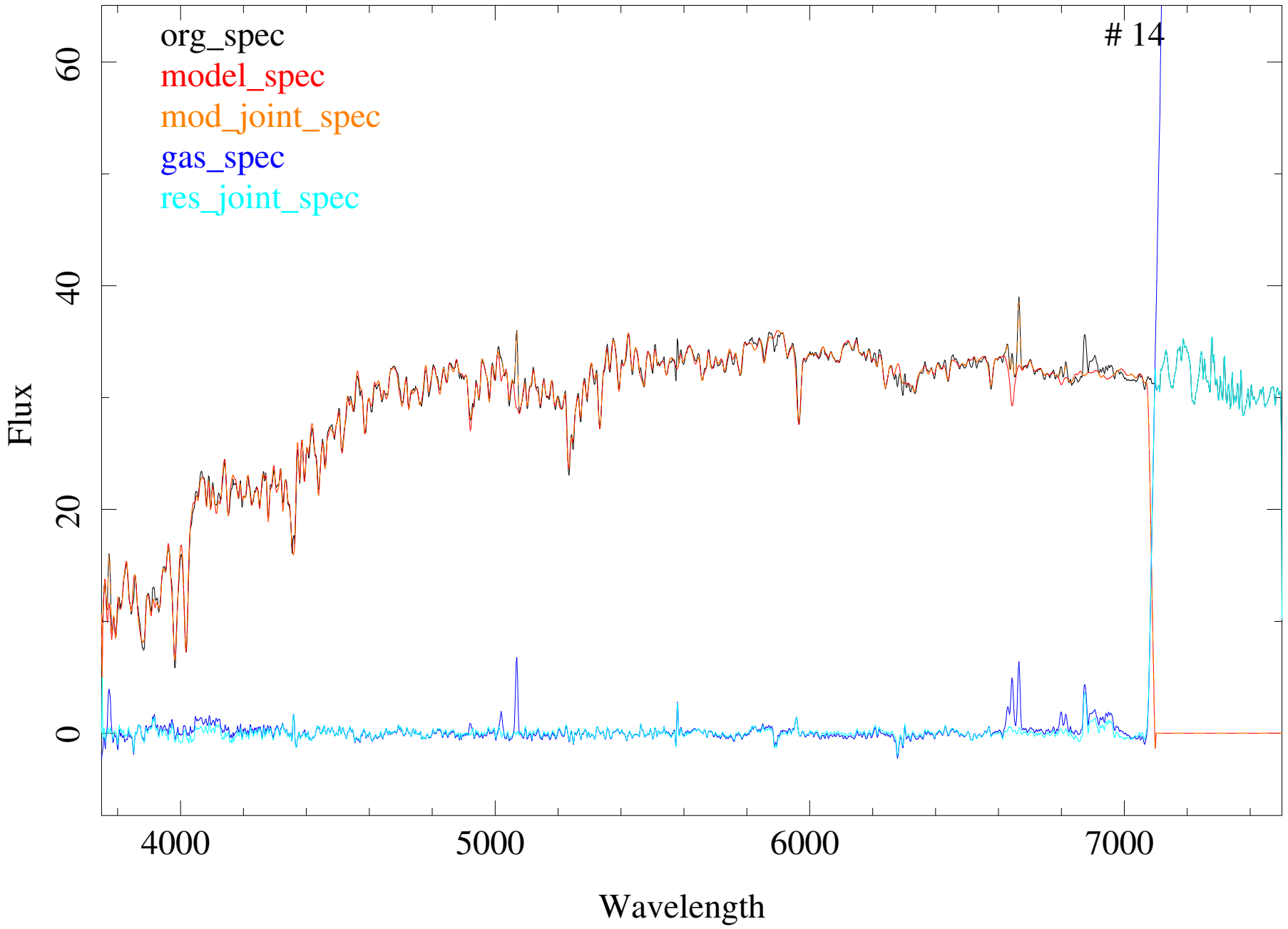

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
9
Flux
0
2
4
4000
5000
6000
7000
Wavelength

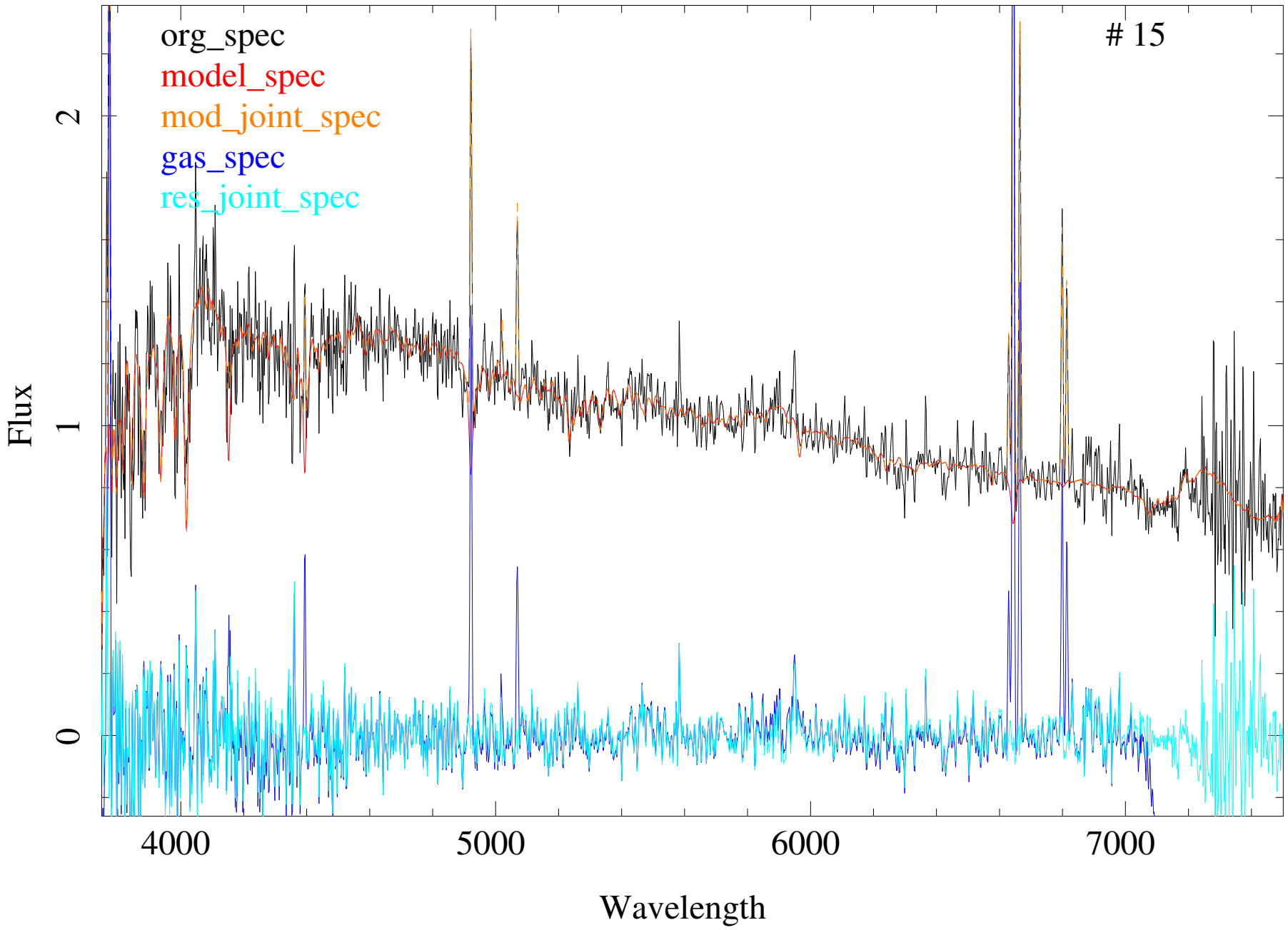

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
10
Flux
0
2
4
4000
5000
6000
7000
Wavelength

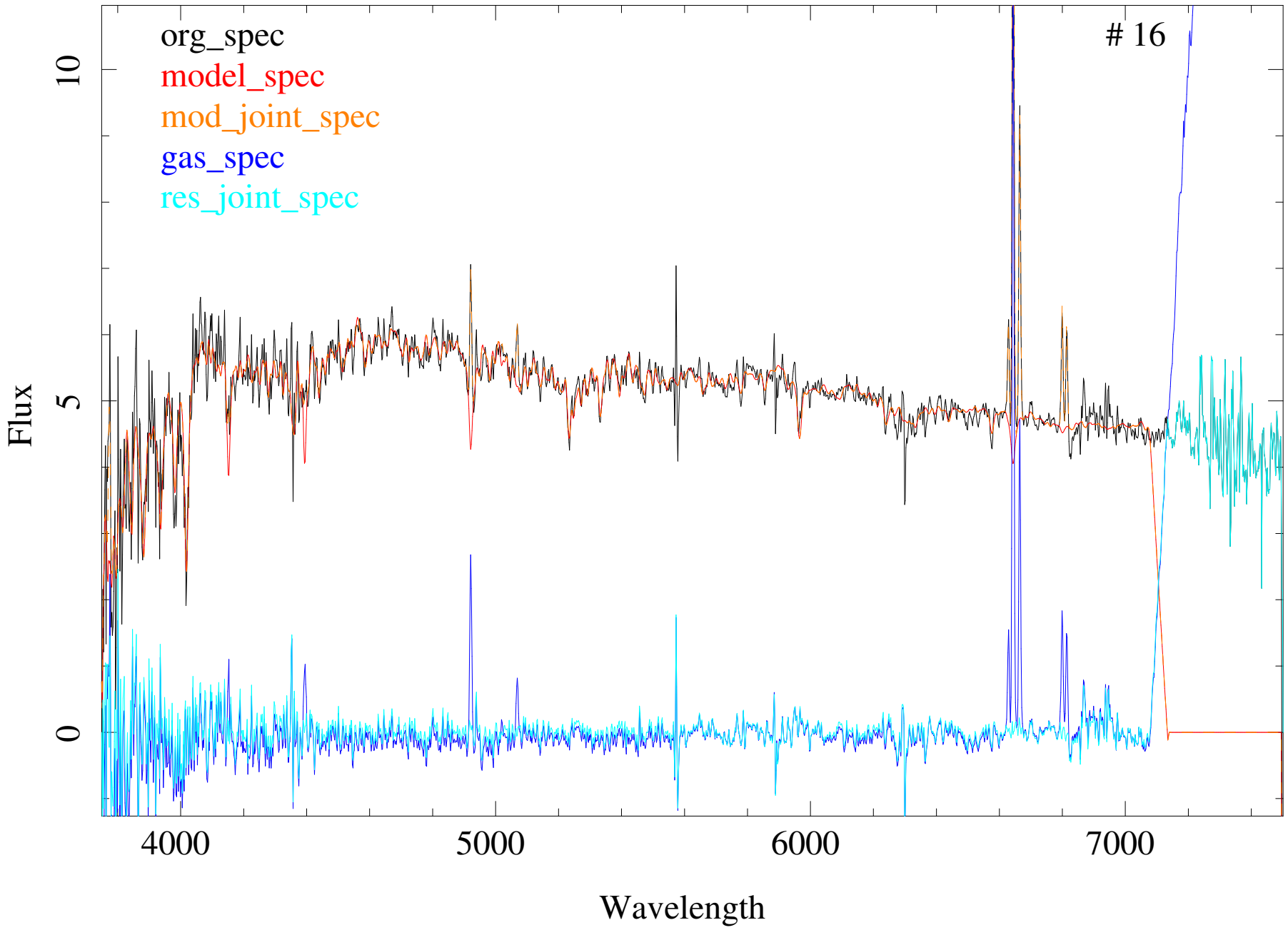

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
11
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

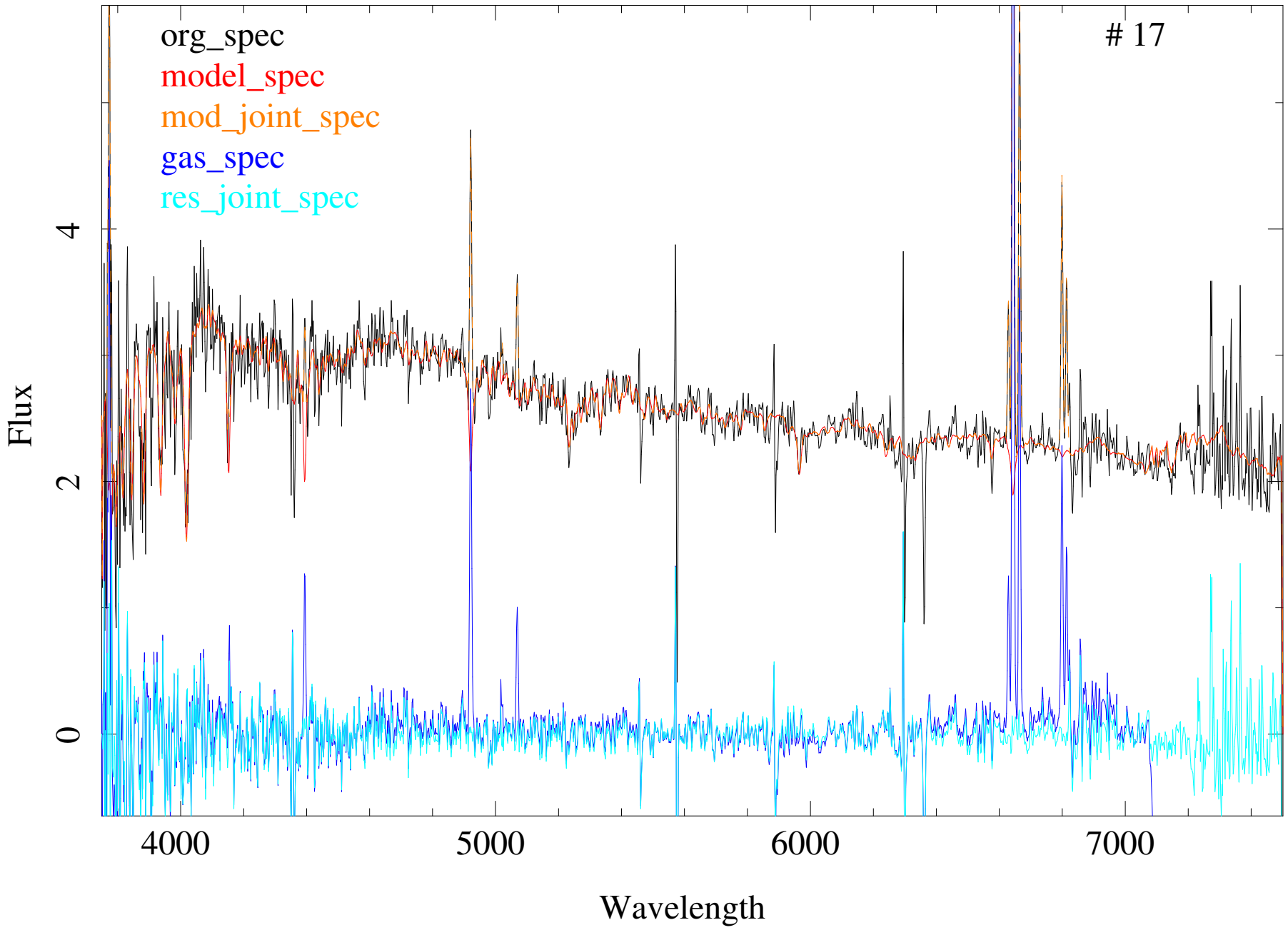

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
12
Flux
0
1
2
3
4
4000
5000
6000
7000
Wavelength

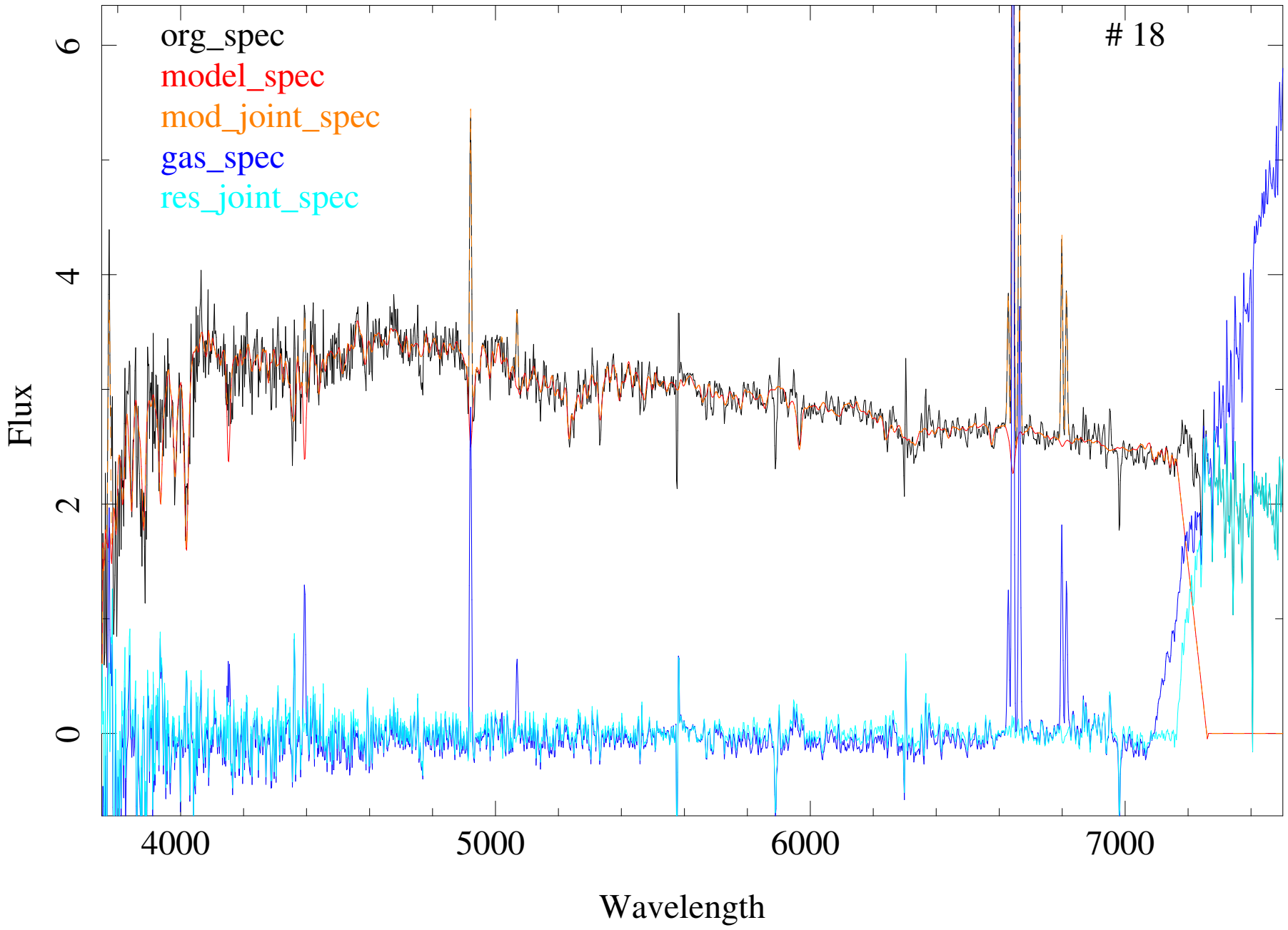

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
13
Flux
0
2
4
4000
5000
6000
7000
Wavelength

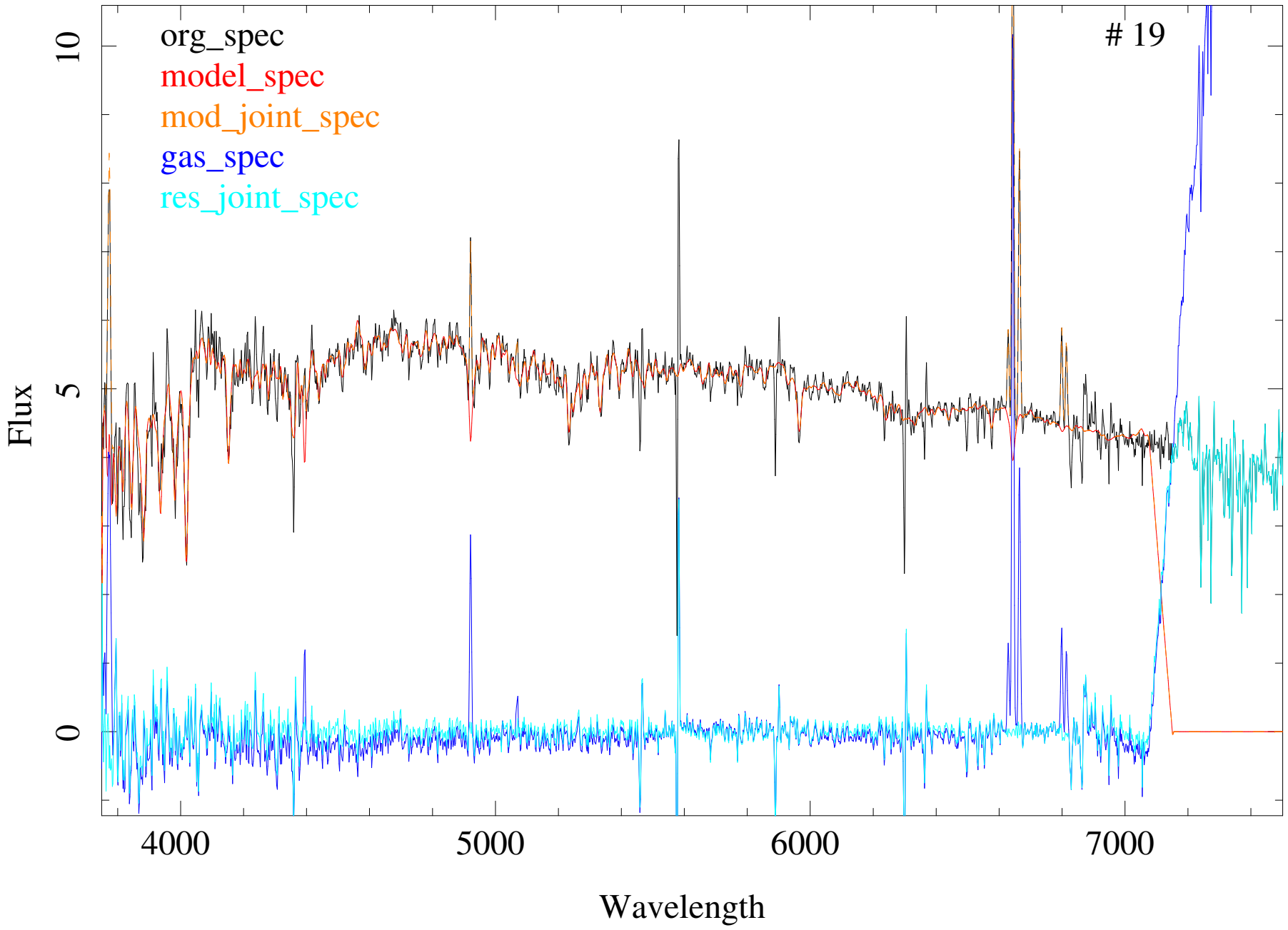

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
14
Flux
0
20
40
60
4000
5000
6000
7000
Wavelength

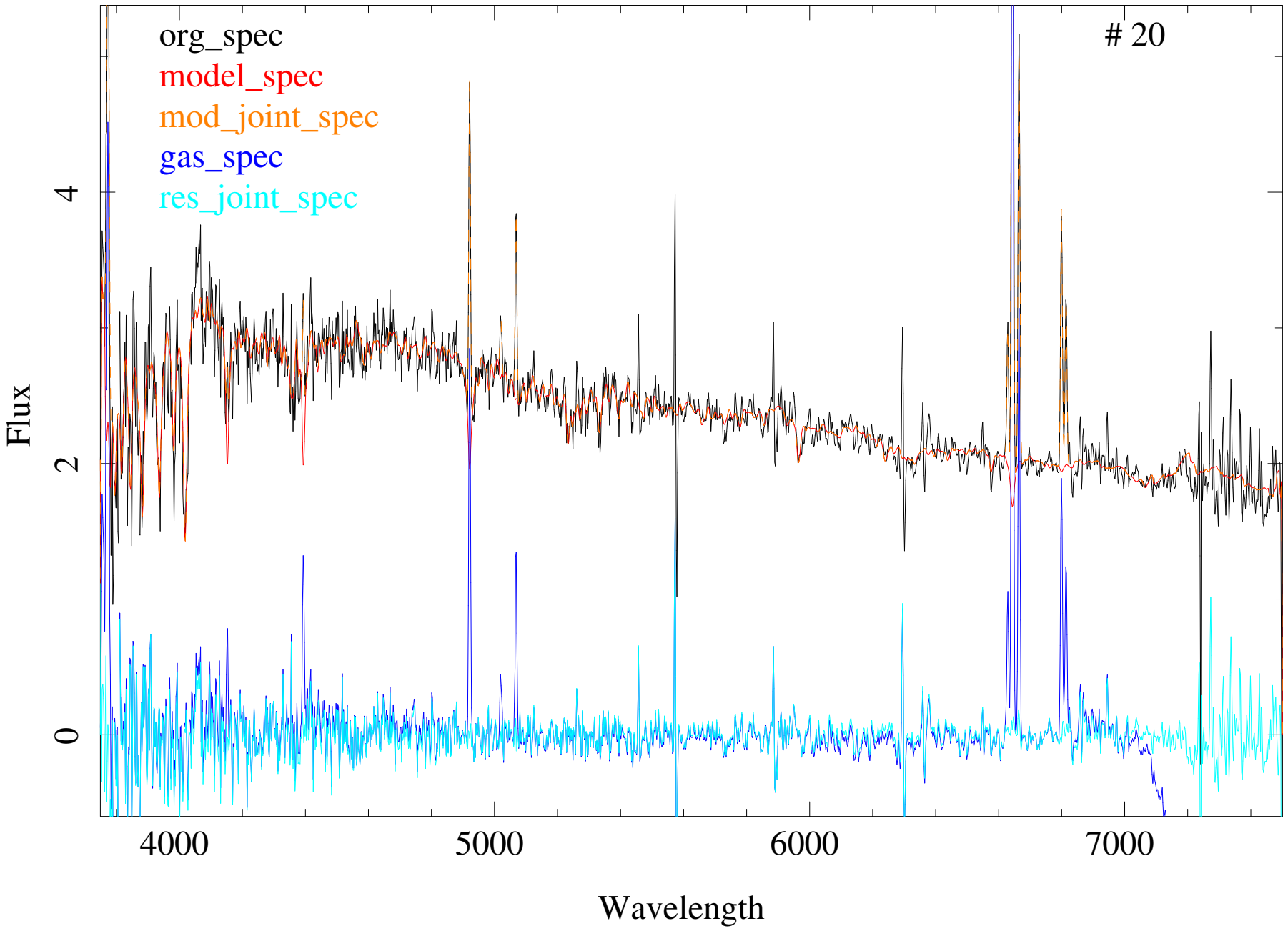

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
15
Flux
0
1
2
4000
5000
6000
7000
Wavelength

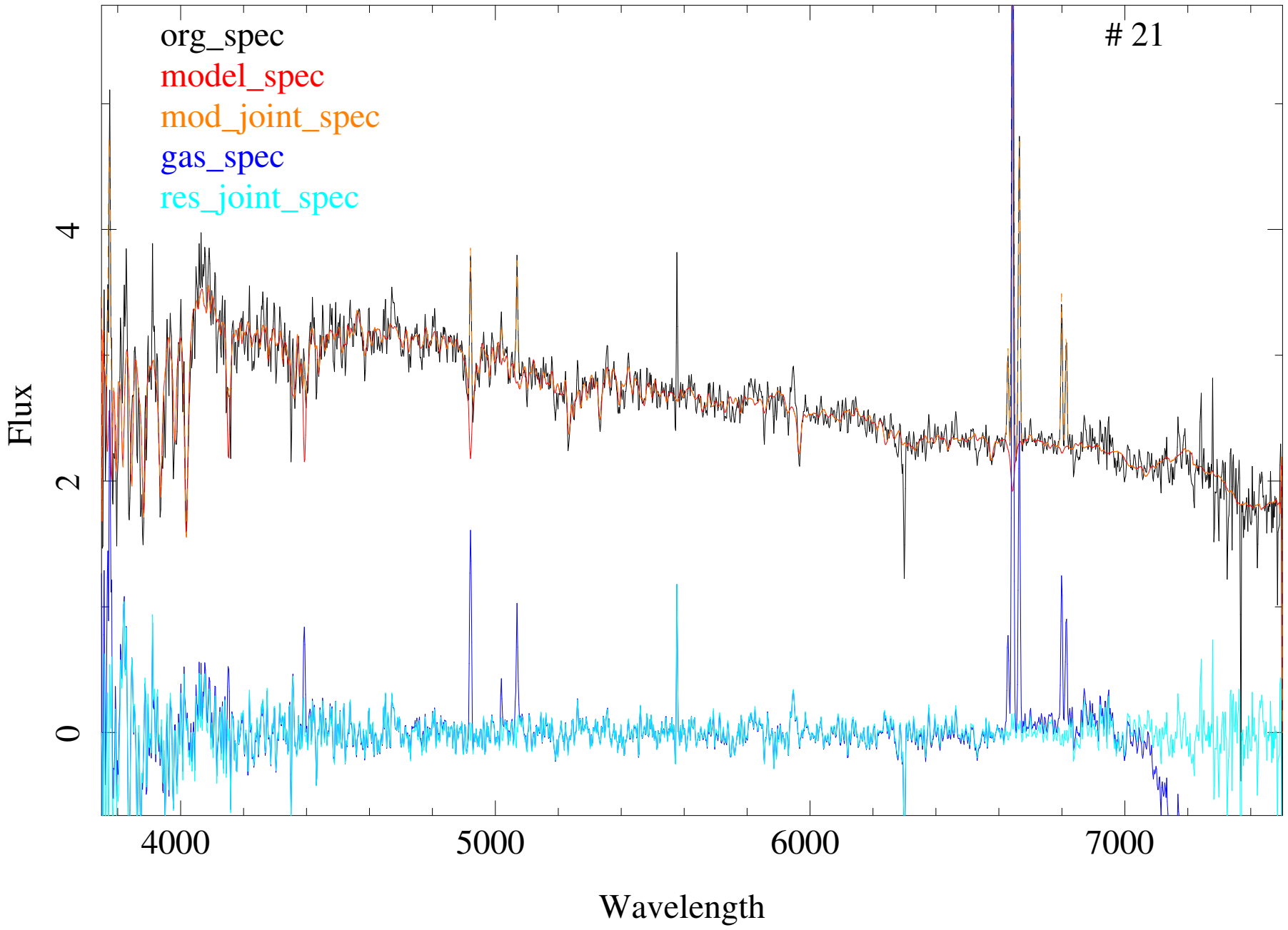

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
16
Flux
0
5
10
4000
5000
6000
7000
Wavelength

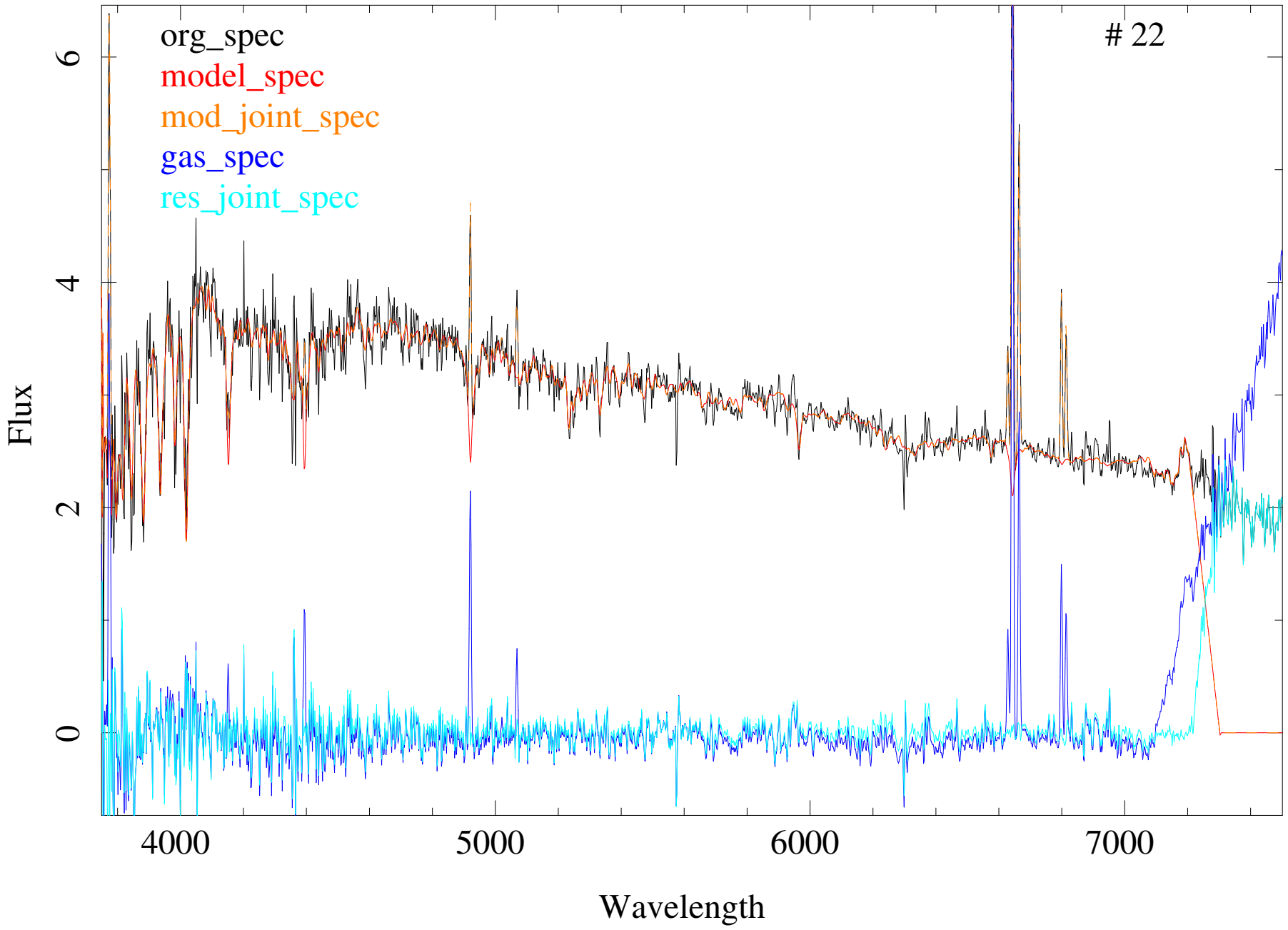

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
17
Flux
0
2
4
4000
5000
6000
7000
Wavelength

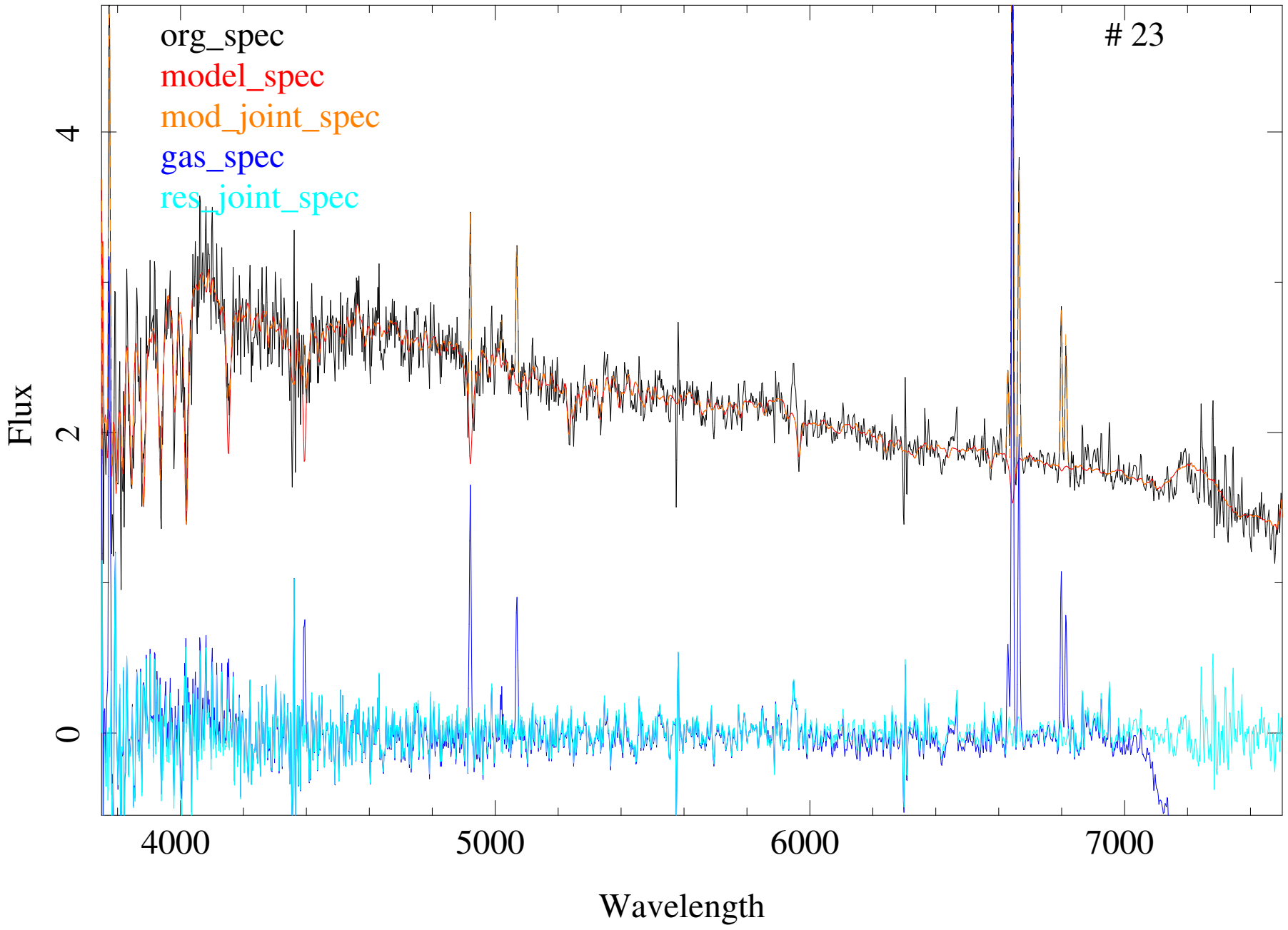

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
18
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

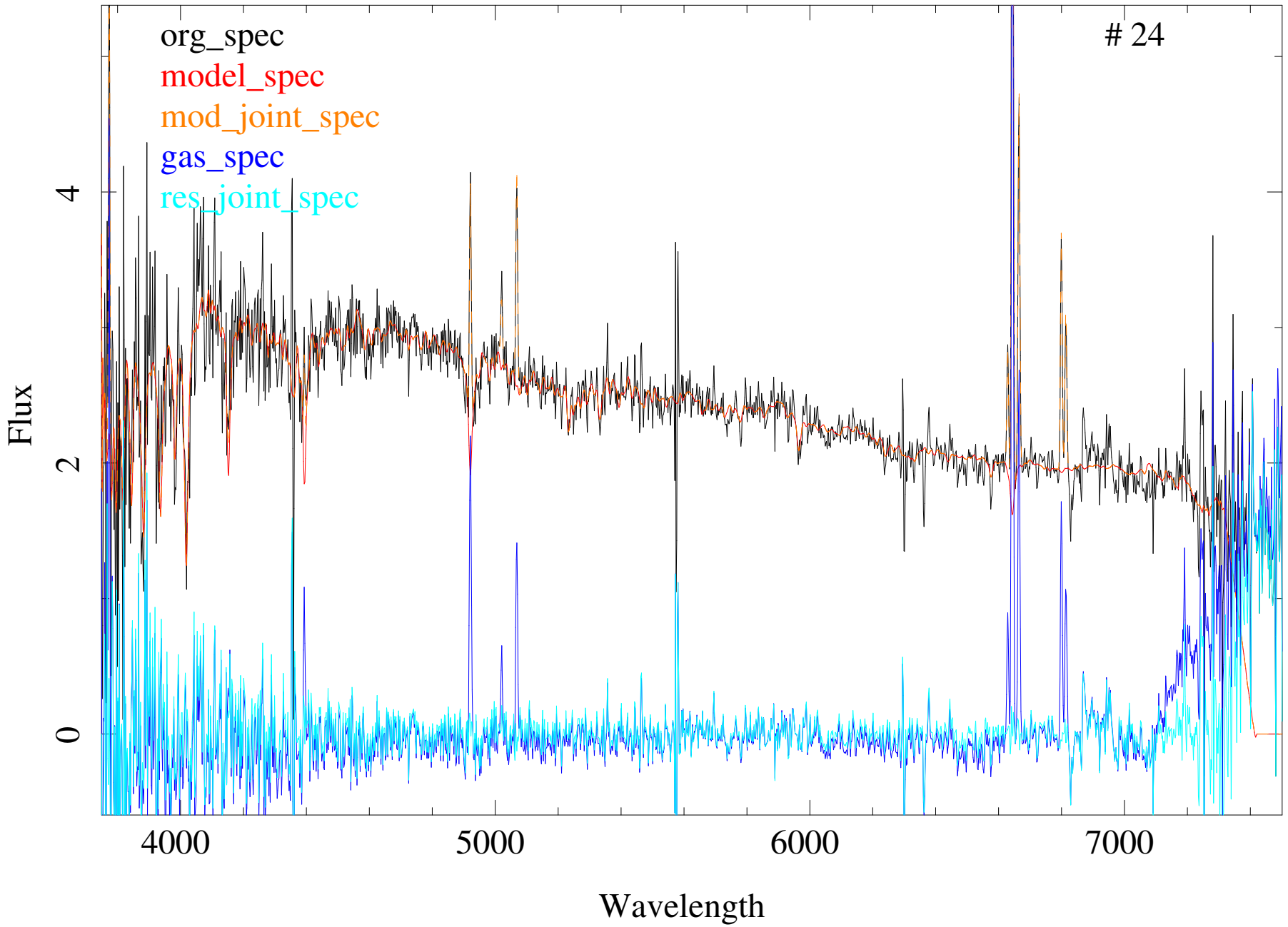

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
19
Flux
0
5
10
4000
5000
6000
7000
Wavelength

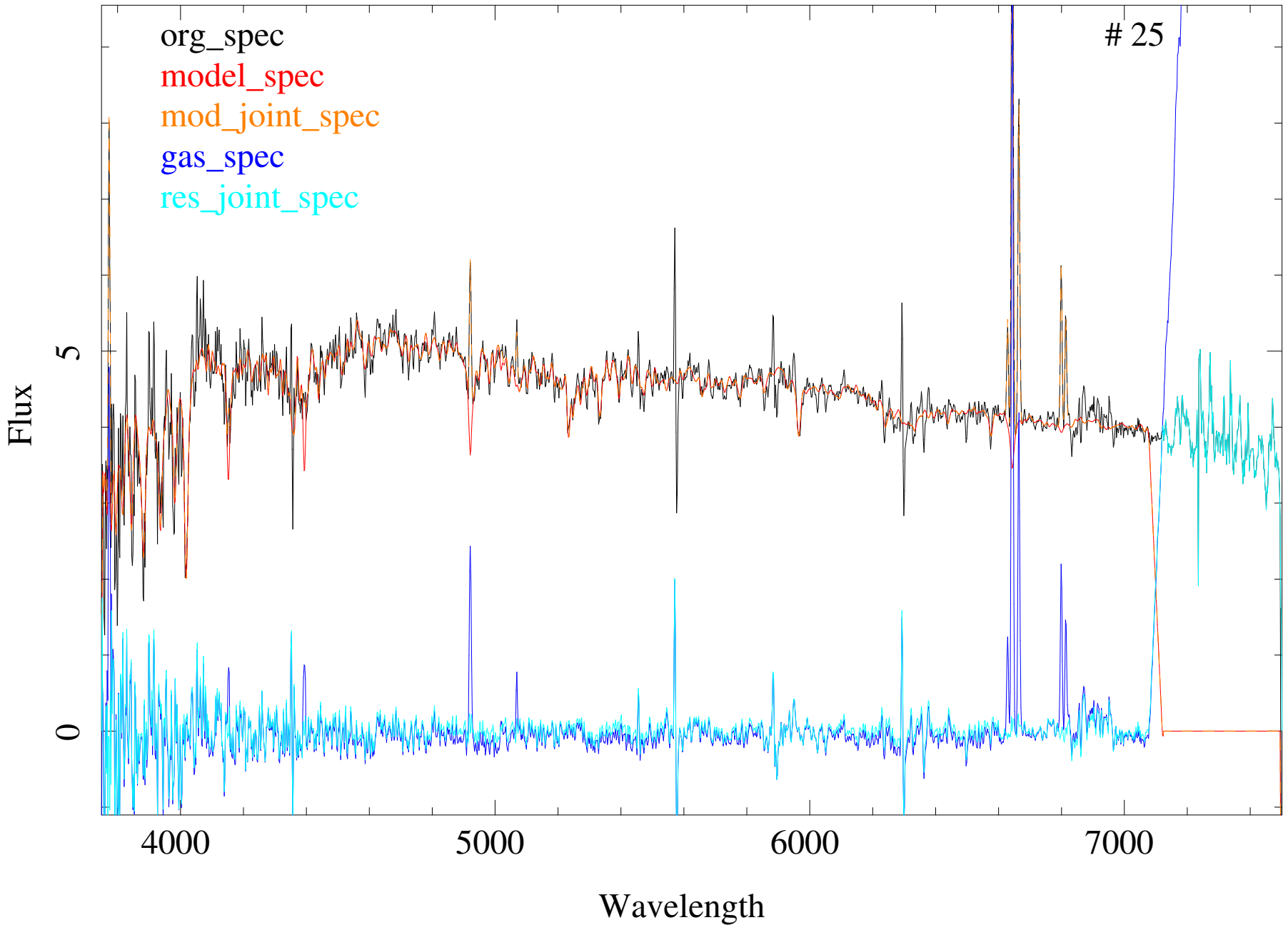

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
20
Flux
0
2
4
4000
5000
6000
7000
Wavelength

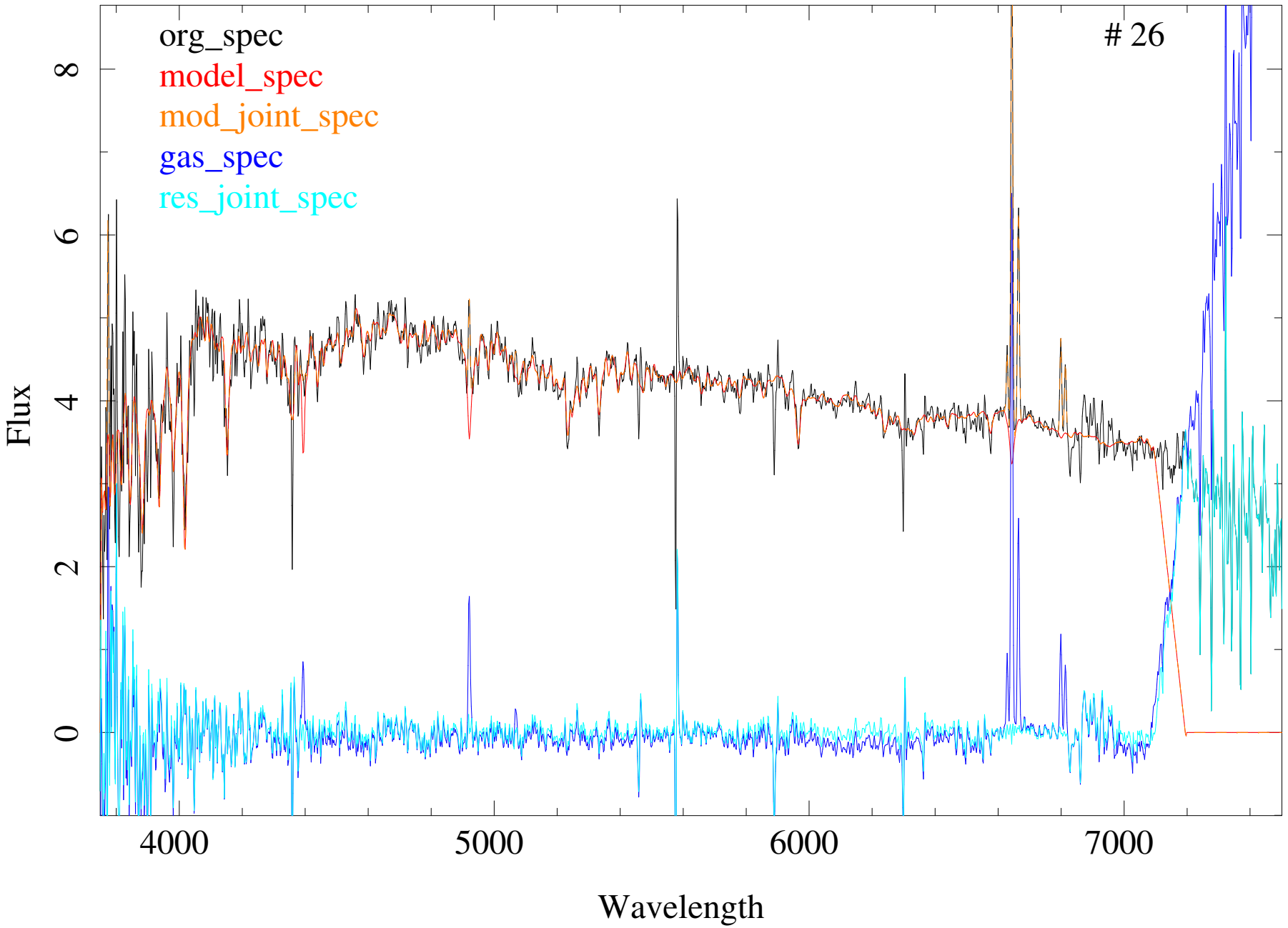

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
21
Flux
0
2
4
4000
5000
6000
7000
Wavelength

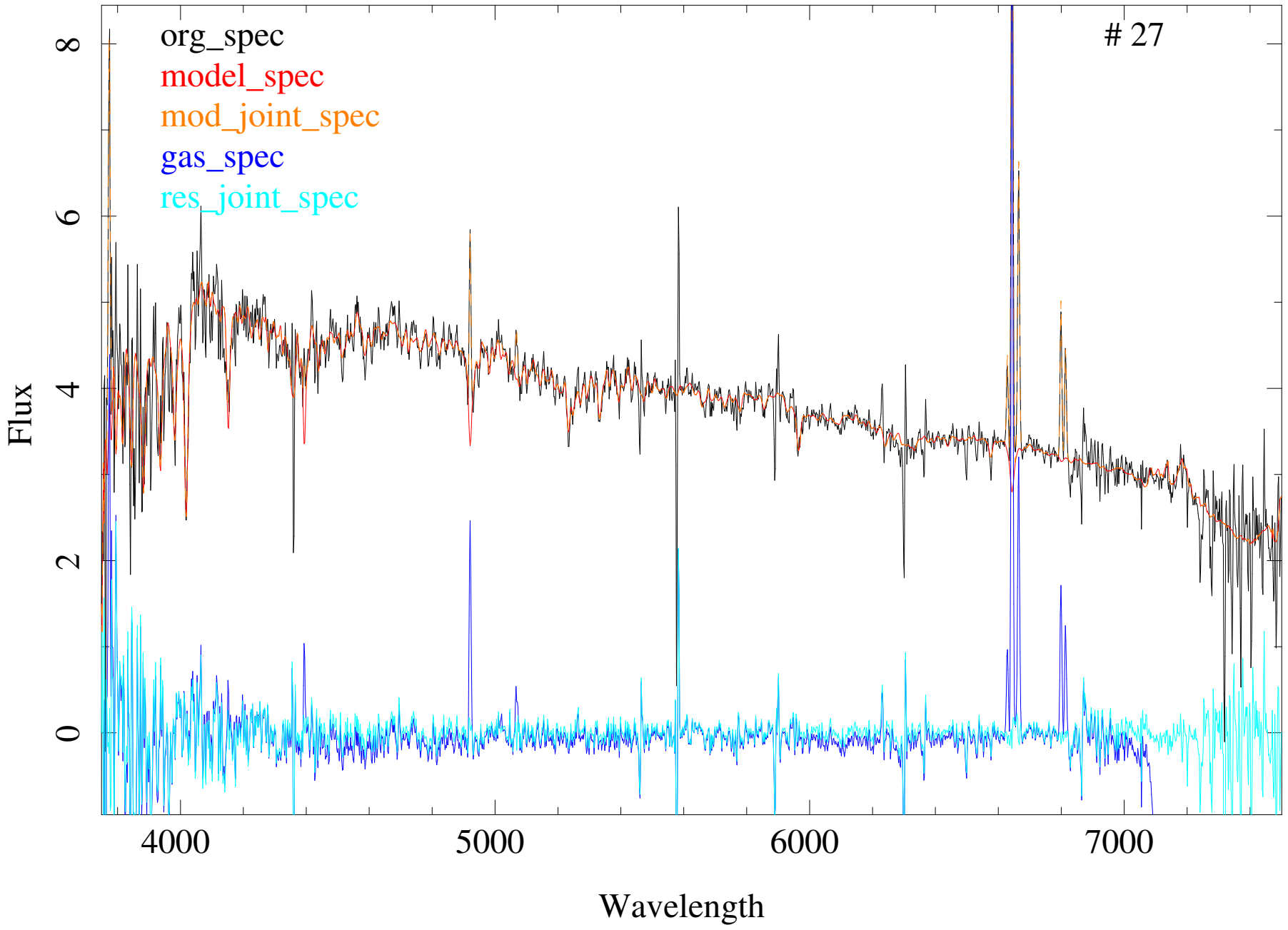

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
22
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

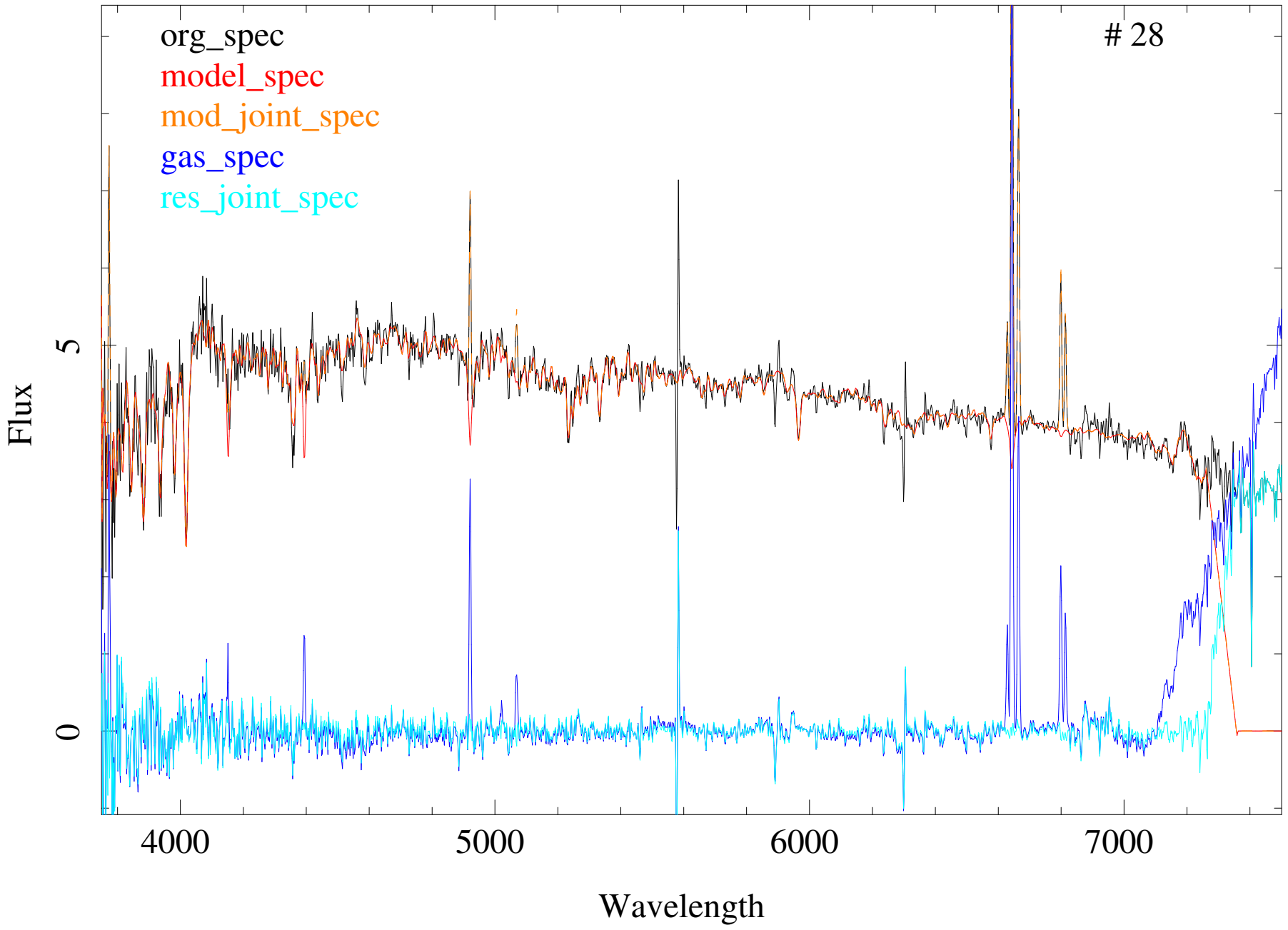

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
23
Flux
0
2
4
4000
5000
6000
7000
Wavelength

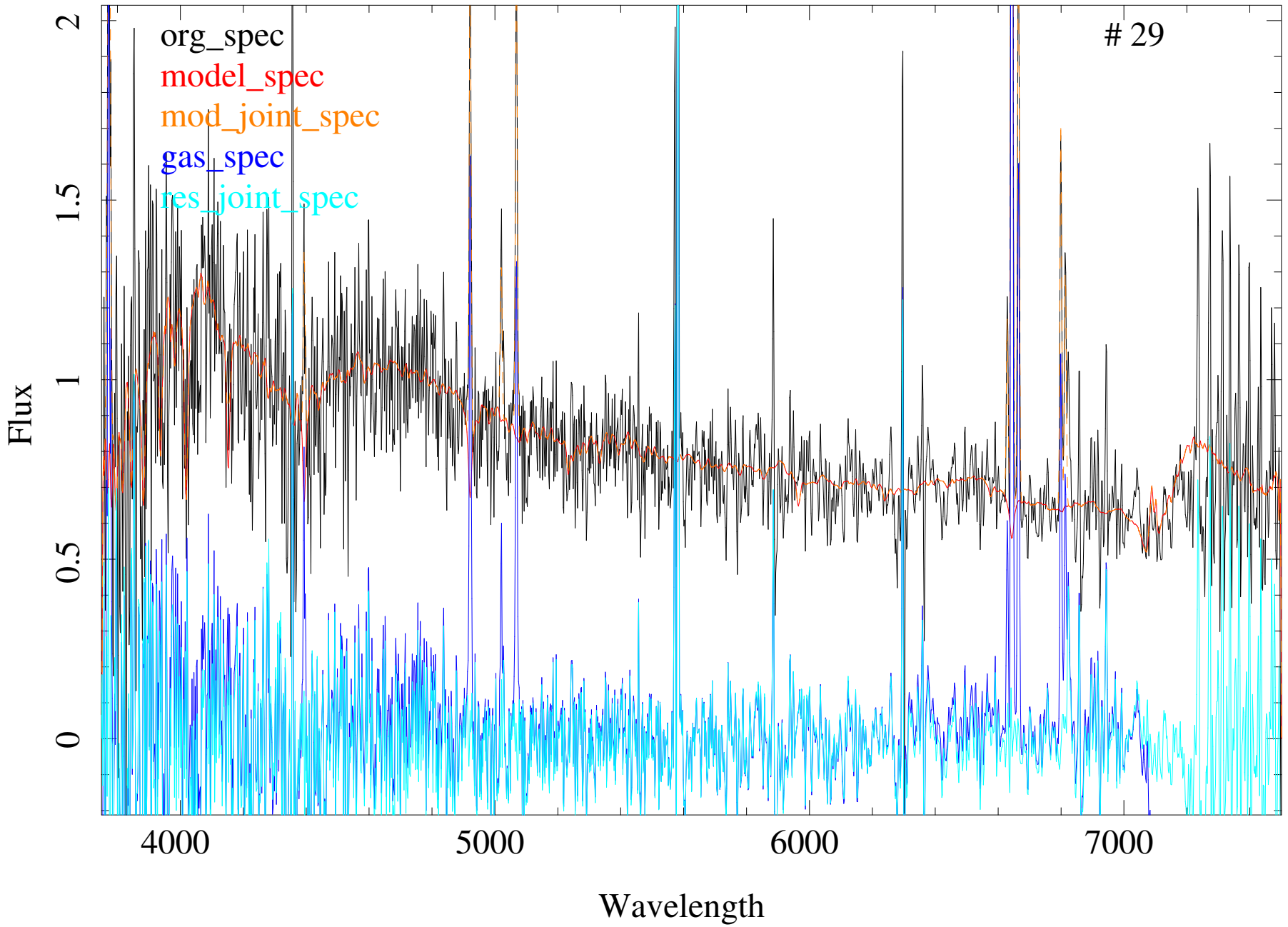

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
24
Flux
0
2
4
4000
5000
6000
7000
Wavelength

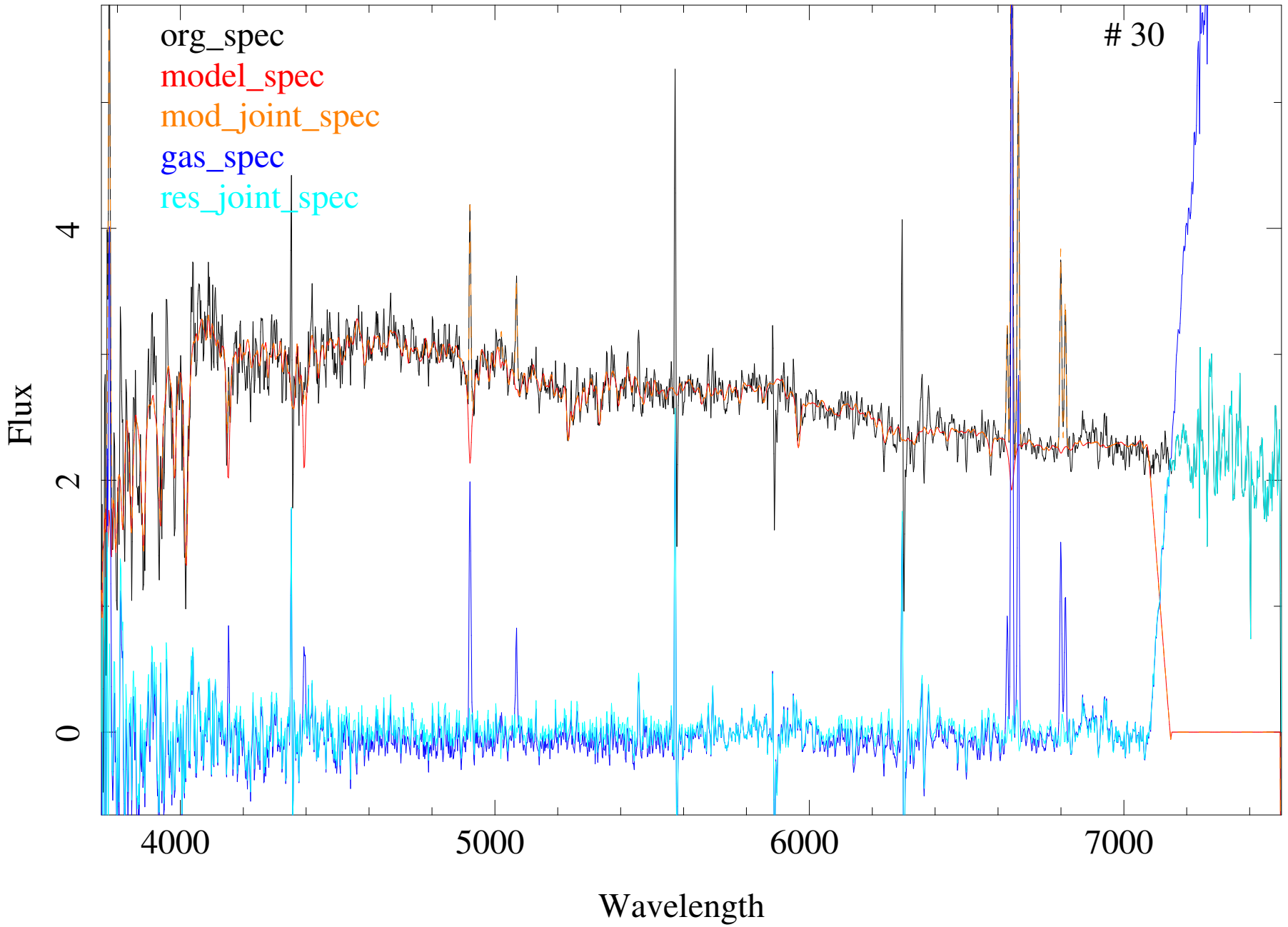

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
25
Flux
0
5
4000
5000
6000
7000
Wavelength

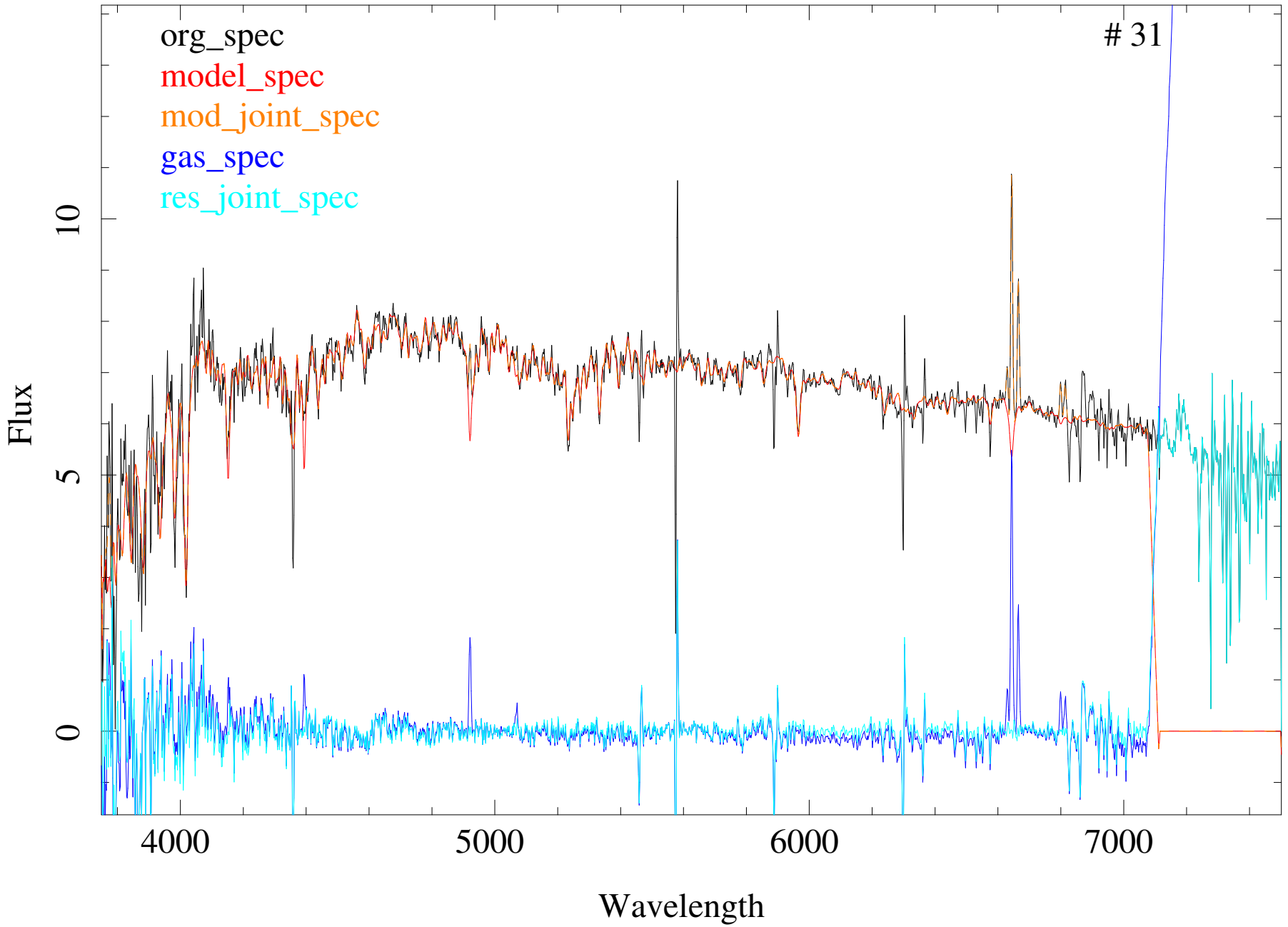

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
26
Flux
0
2
4
6
8
4000
5000
6000
7000
Wavelength

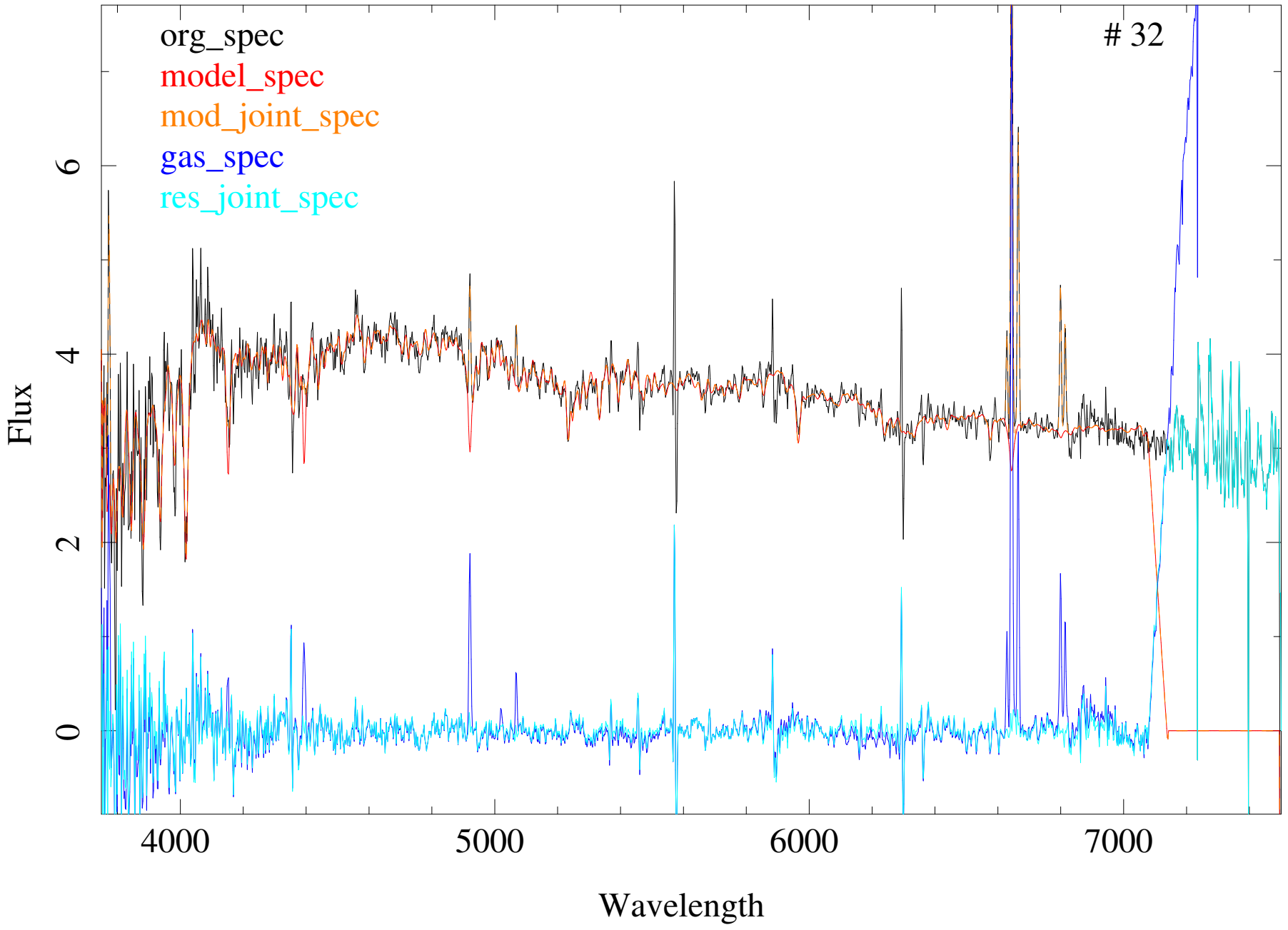

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
27
Flux
0
2
4
6
8
4000
5000
6000
7000
Wavelength

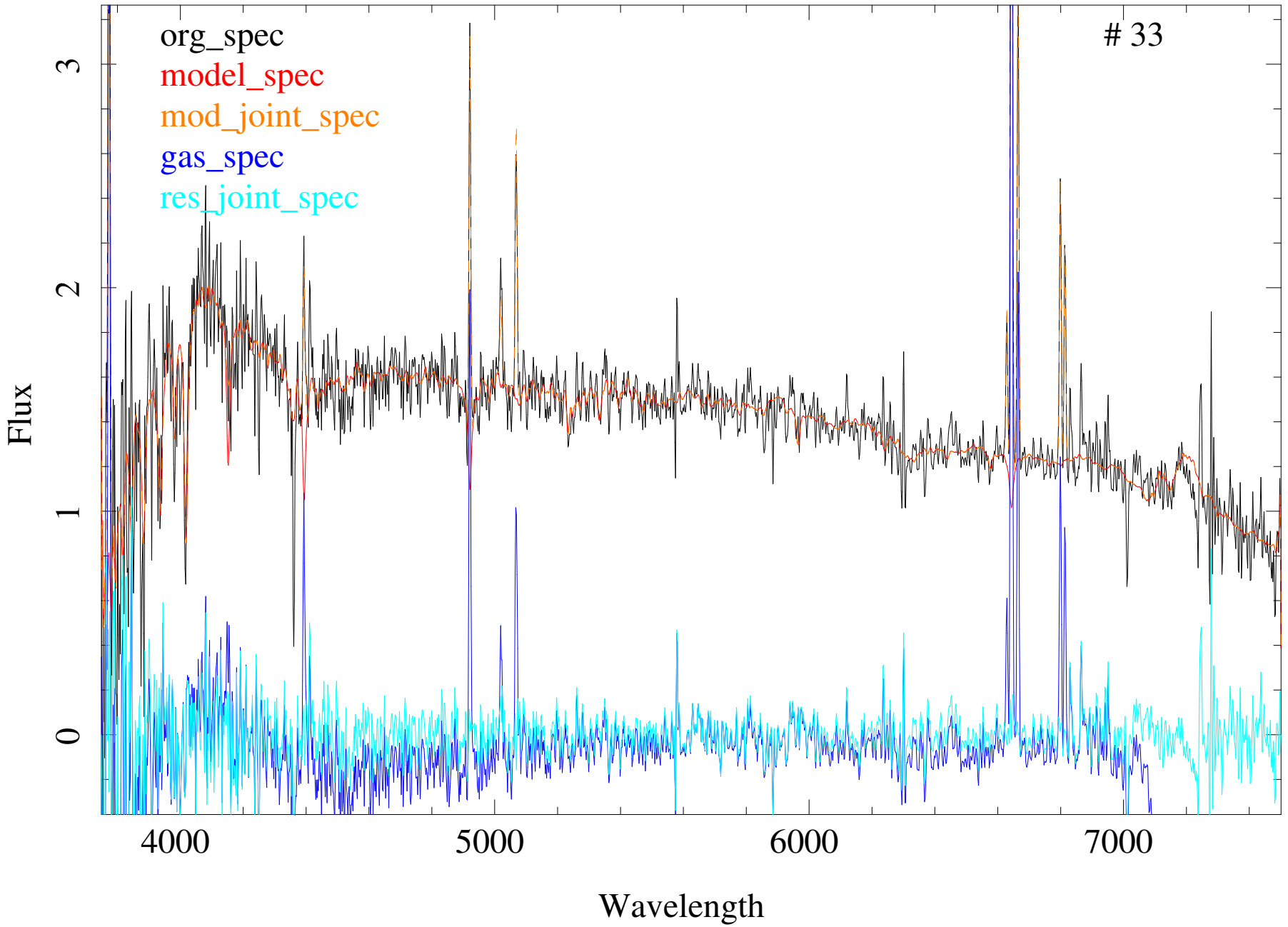

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
28
Flux
5
0
4000
5000
6000
7000
Wavelength

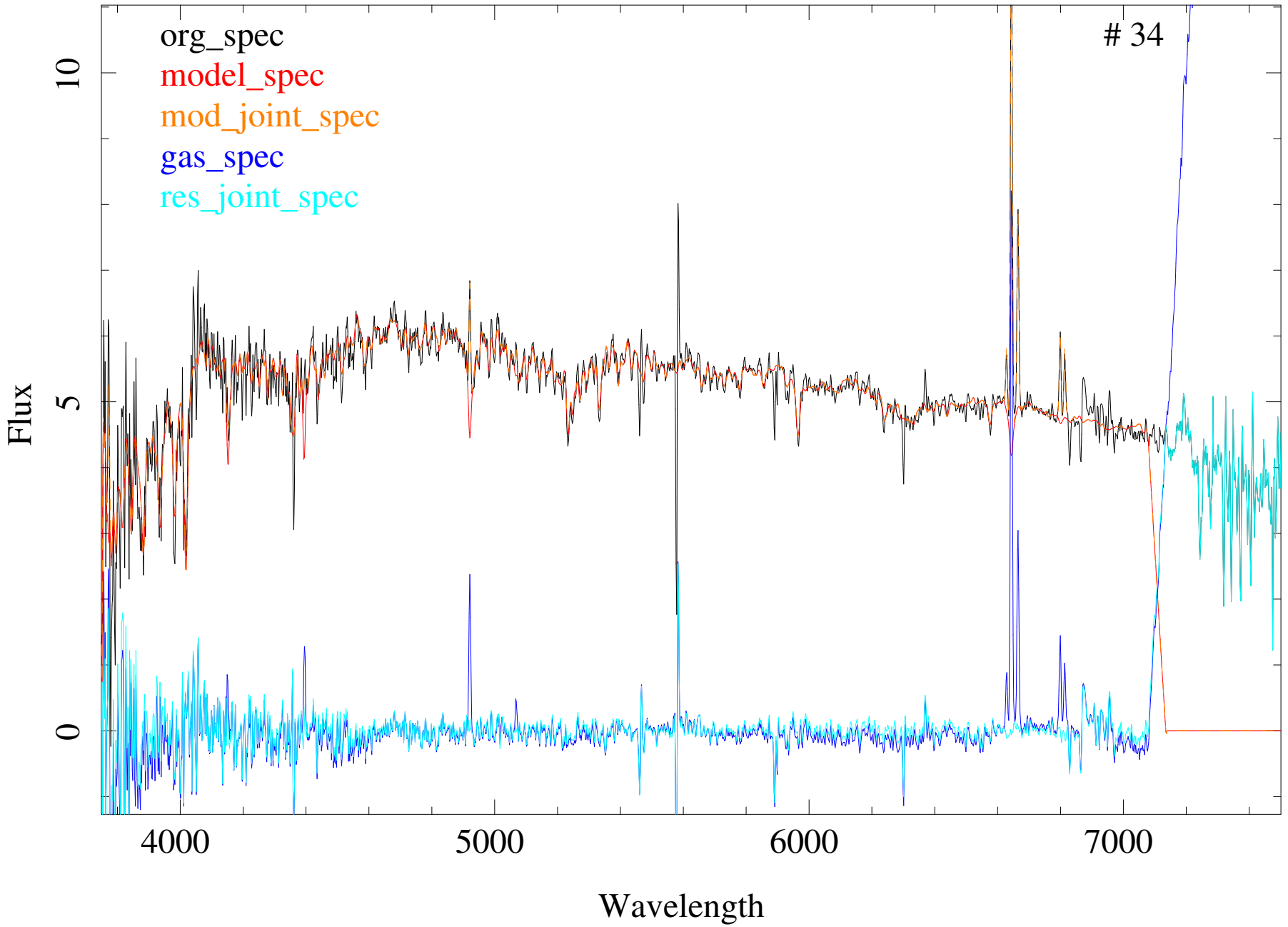

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
29
Flux
0
0.5
1
1.5
2
4000
5000
6000
7000
Wavelength

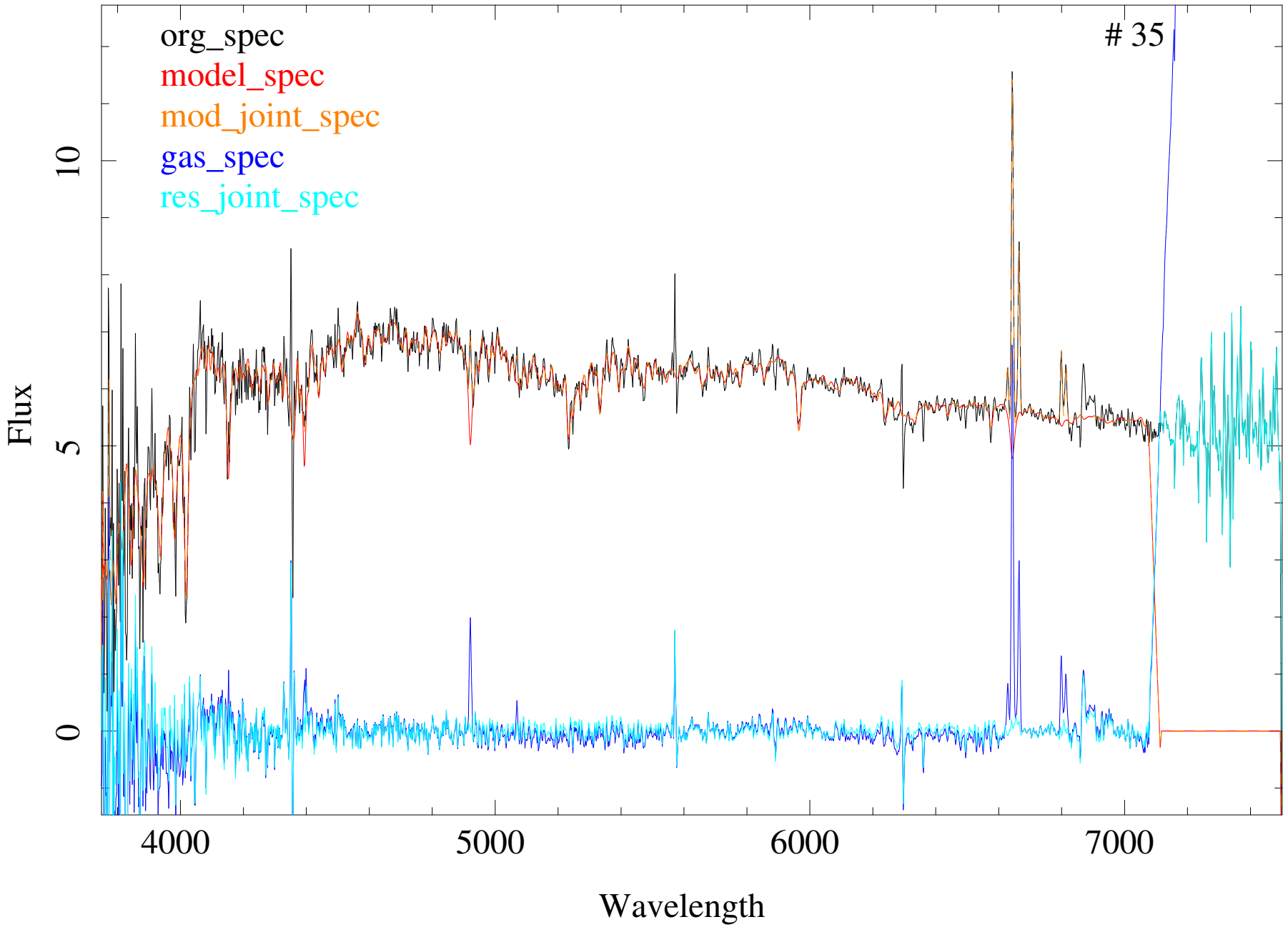

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
30
Flux
0
2
4
4000
5000
6000
7000
Wavelength

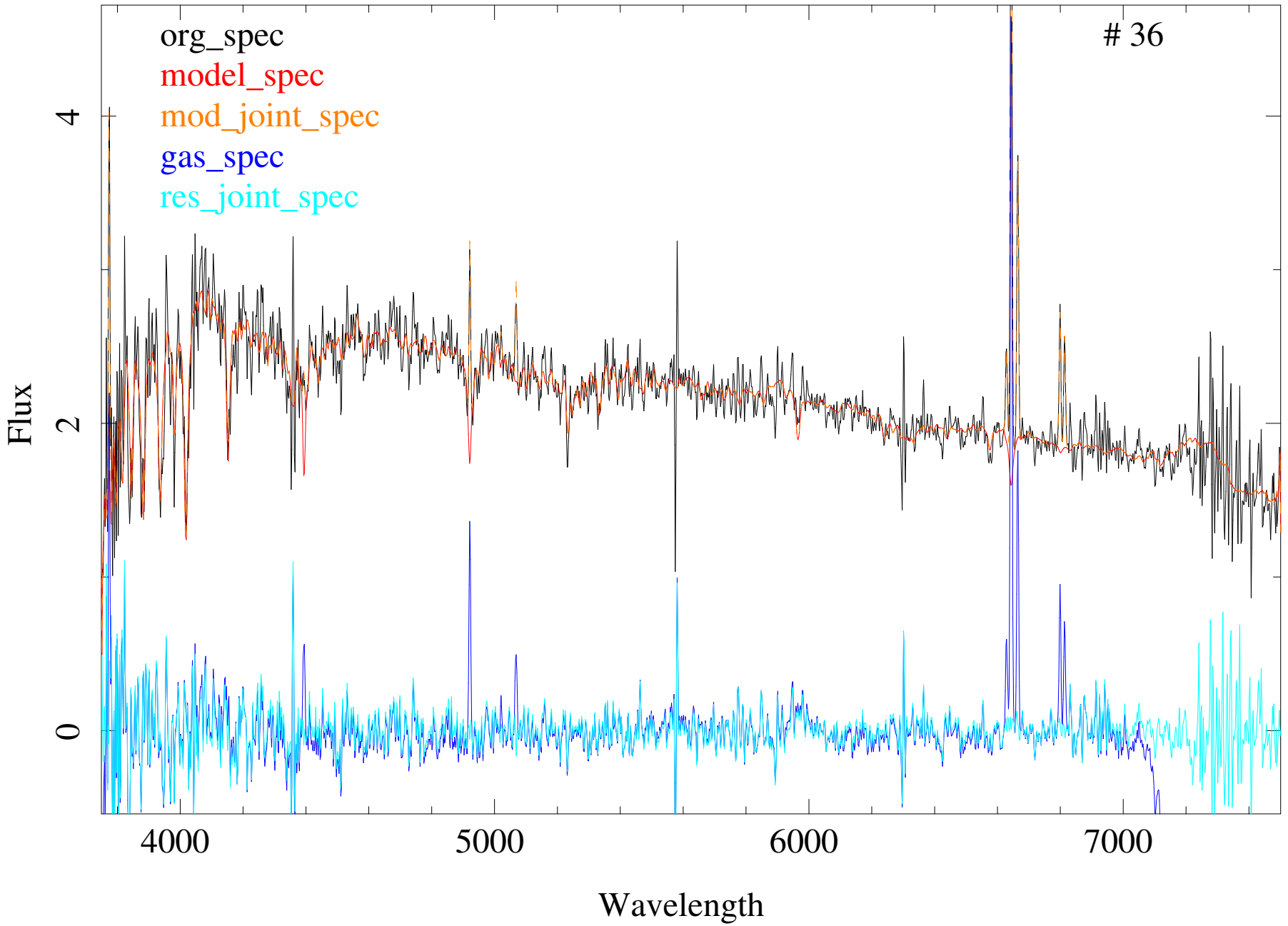

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
31
Flux
0
5
10
4000
5000
6000
7000
Wavelength

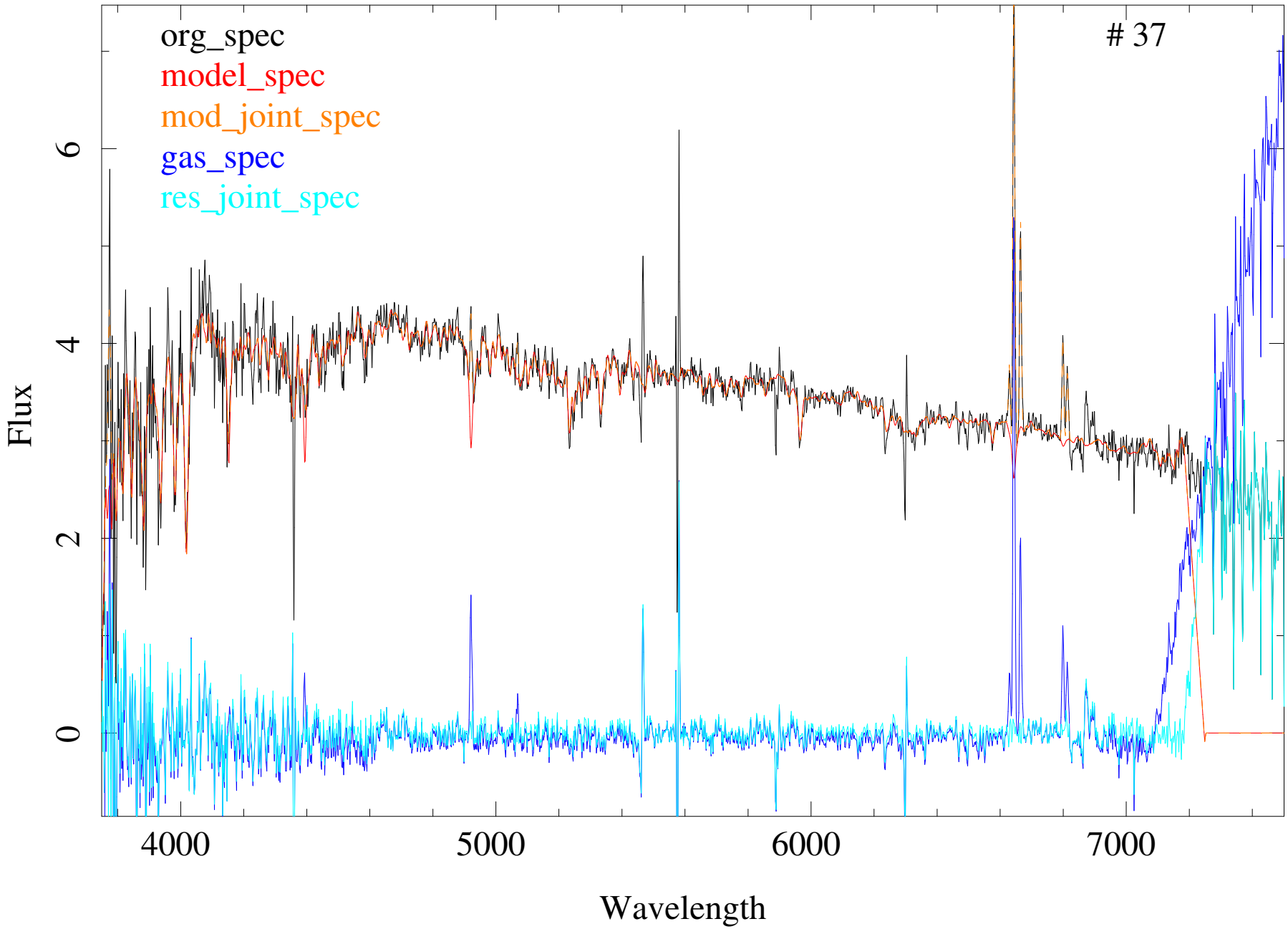

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
32
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

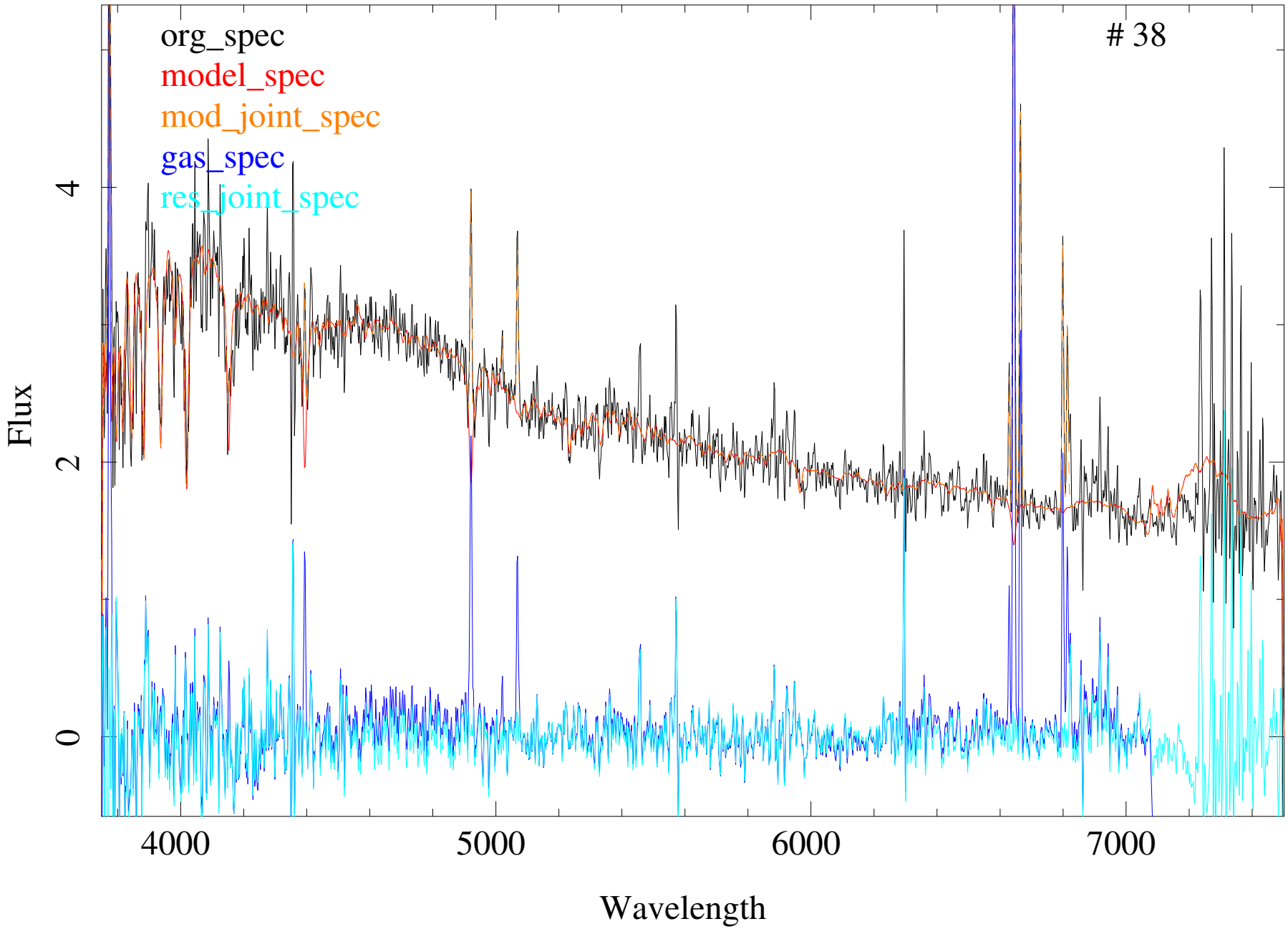

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
33
Flux
0
1
2
3
4000
5000
6000
7000
Wavelength

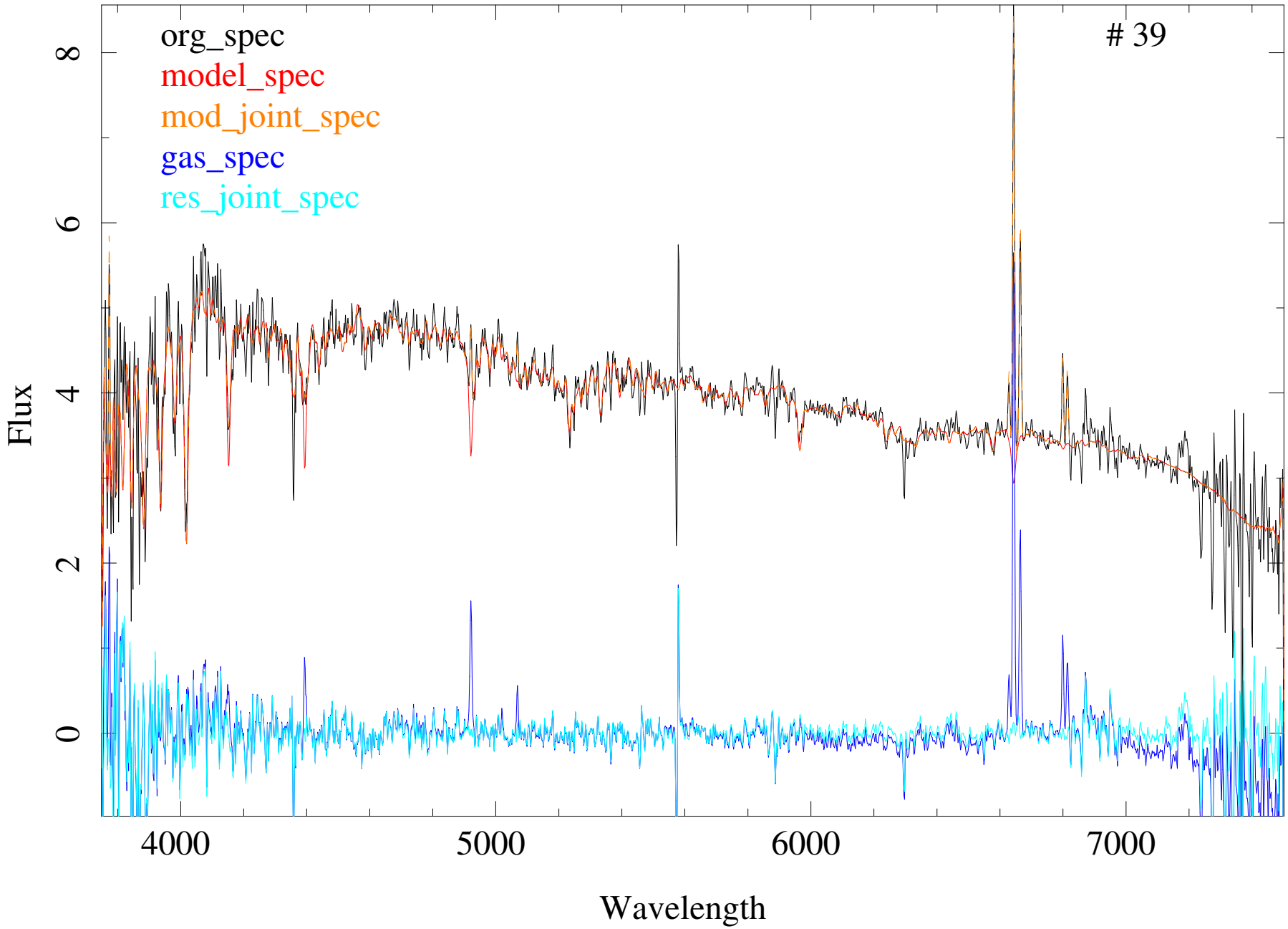

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
34
Flux
0
5
10
4000
5000
6000
7000
Wavelength

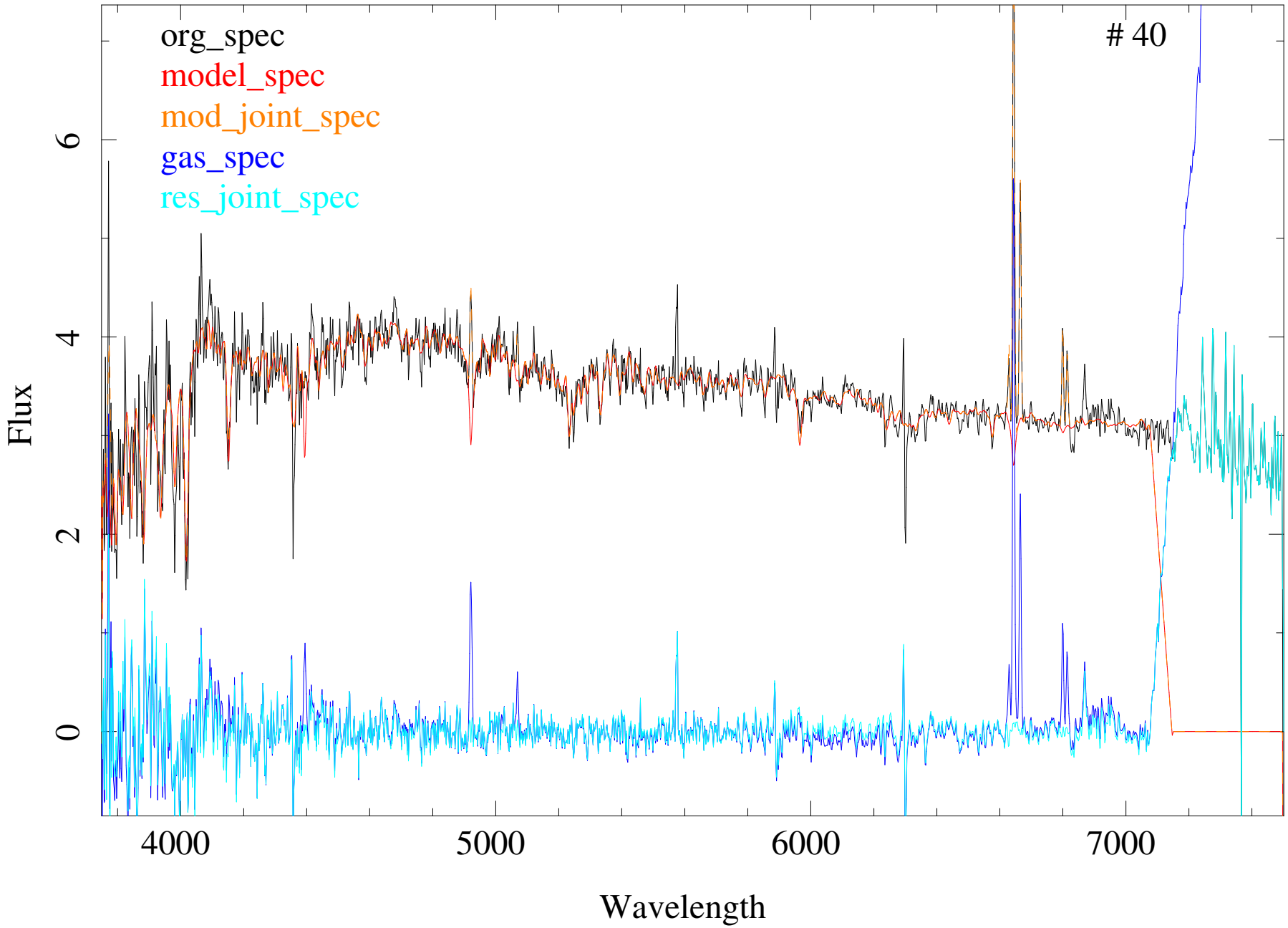

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
35
Flux
0
5
10
4000
5000
6000
7000
Wavelength

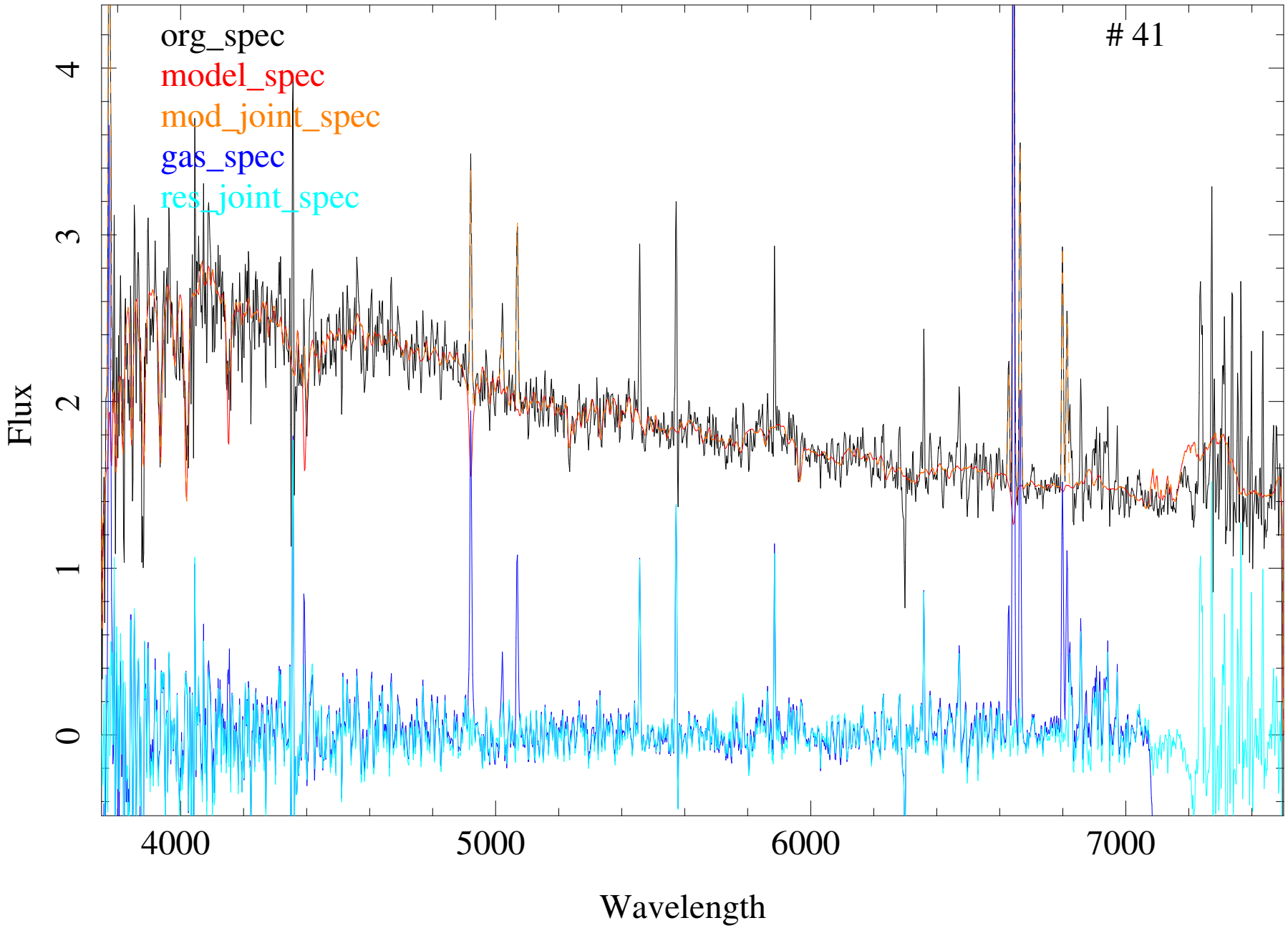

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
36
Flux
0
2
4
4000
5000
6000
7000
Wavelength

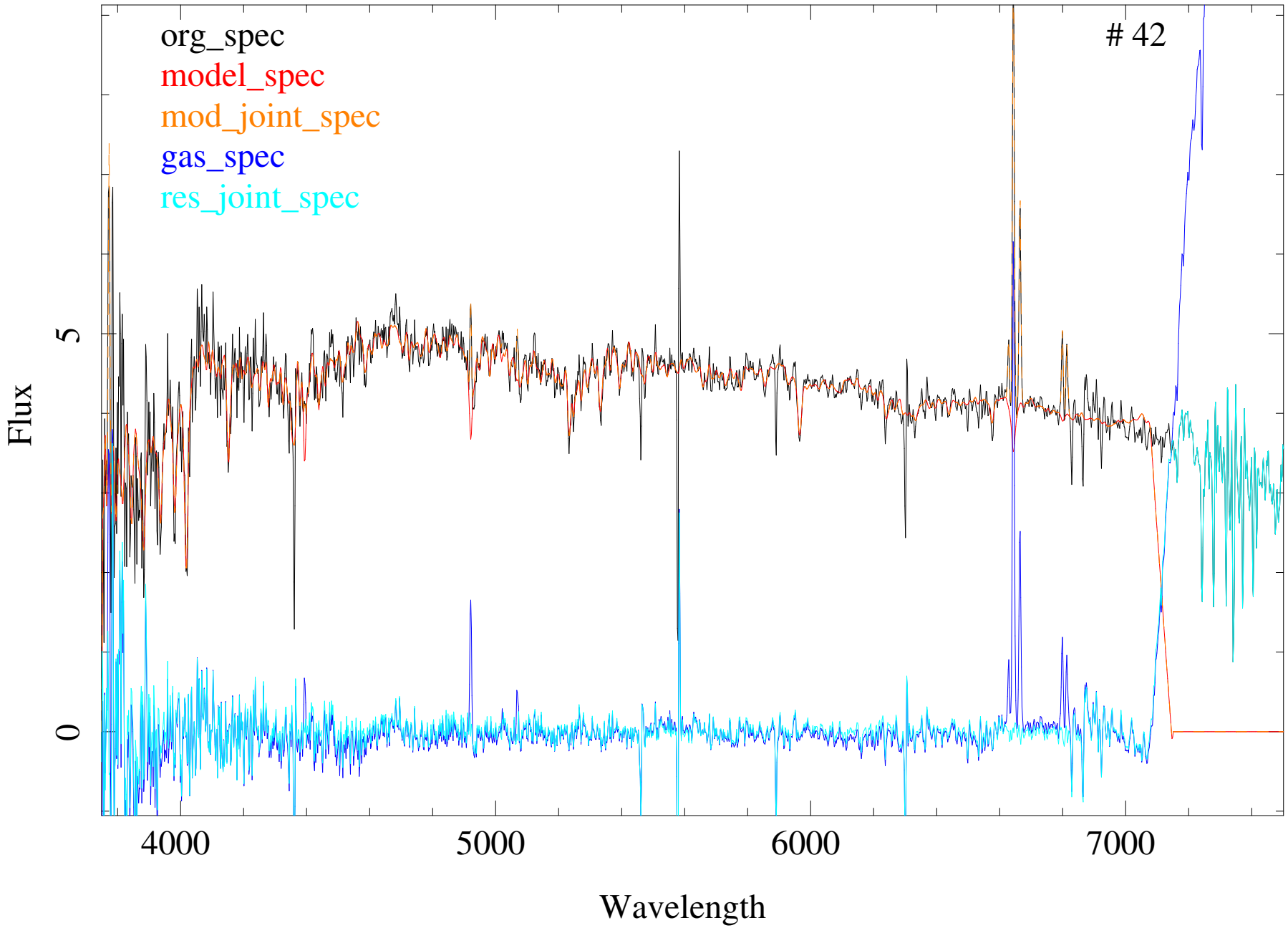

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
37
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

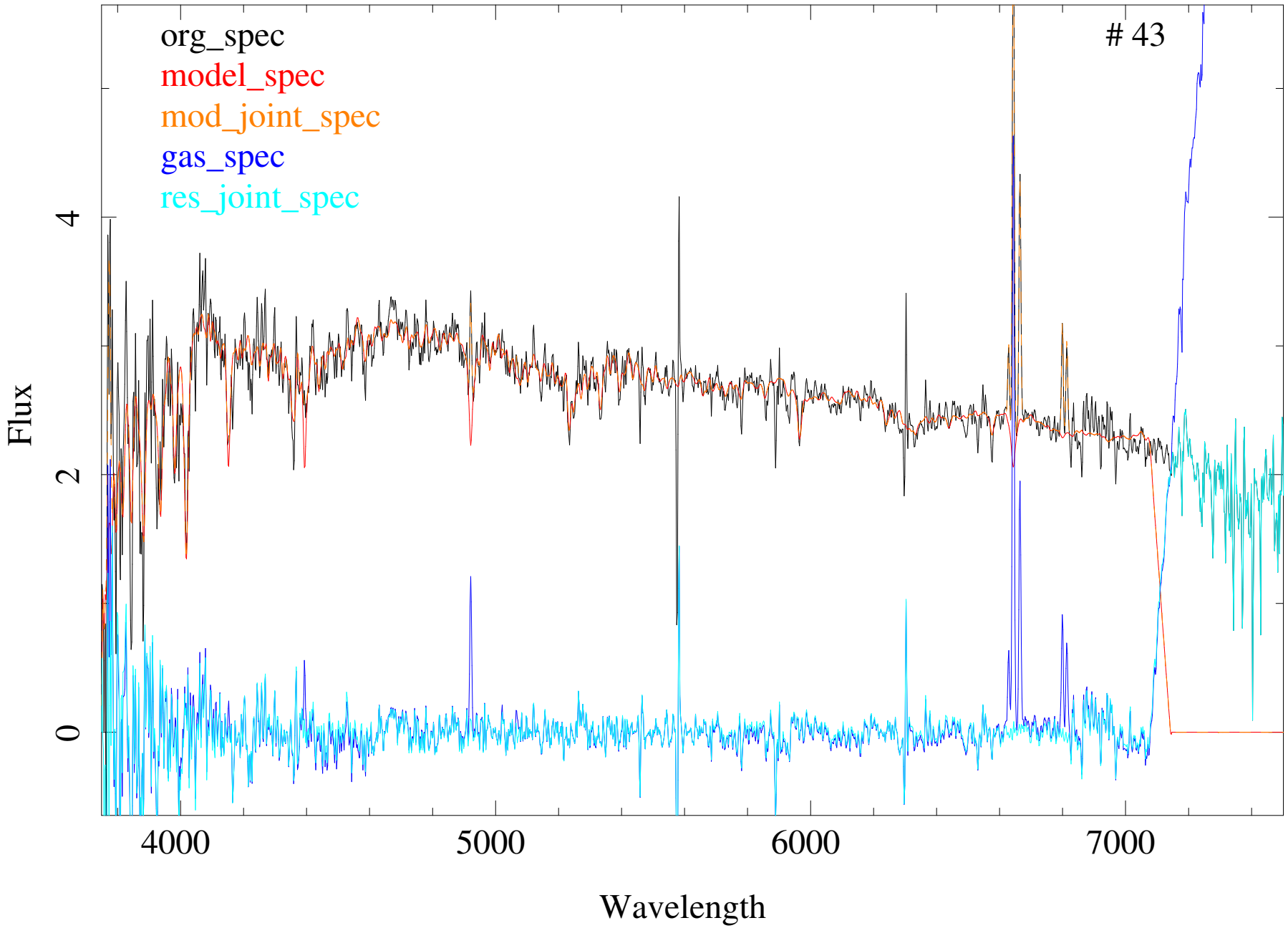

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
38
Flux
0
2
4
4000
5000
6000
7000
Wavelength

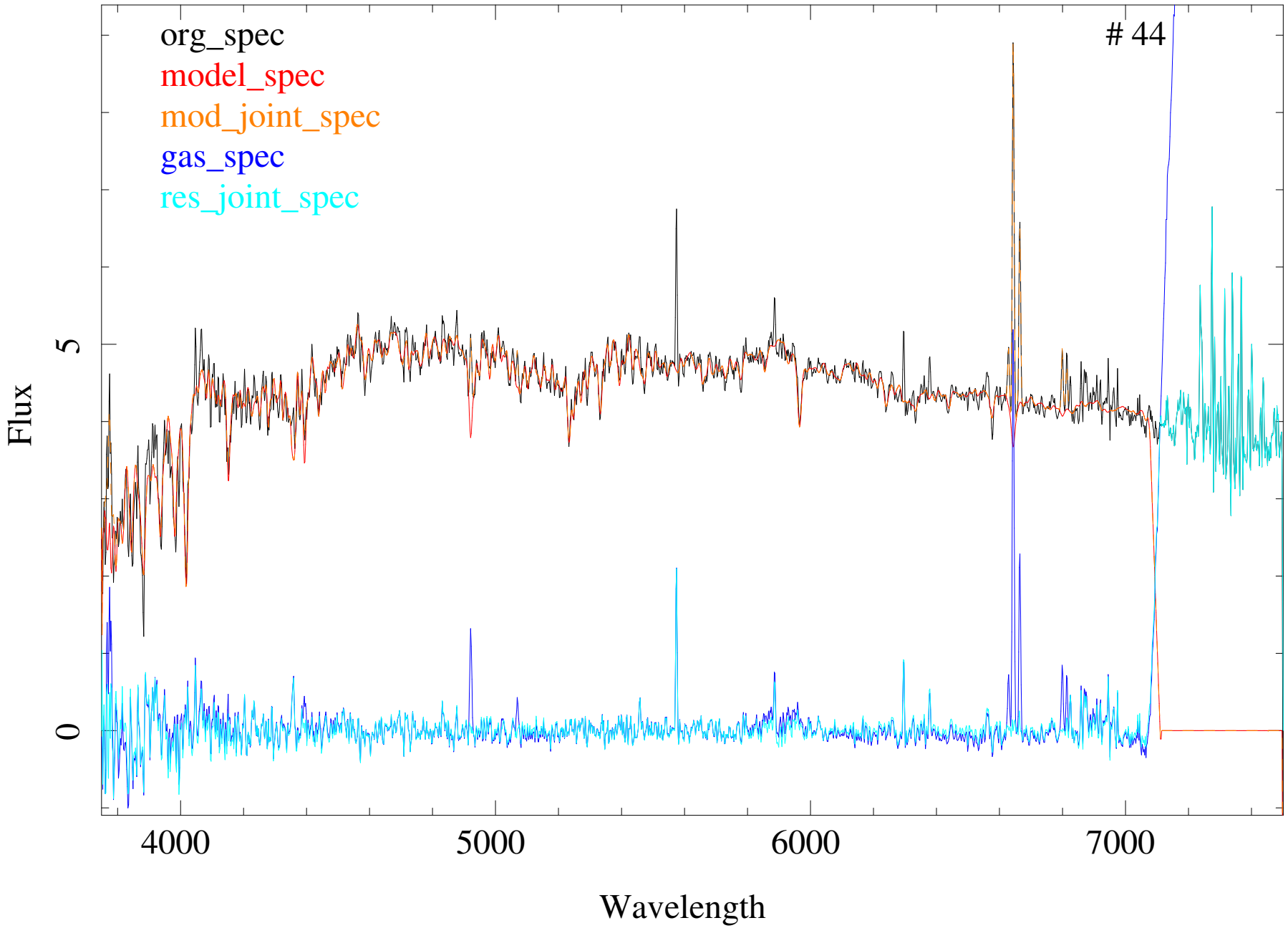

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
39
Flux
0
2
4
6
8
4000
5000
6000
7000
Wavelength

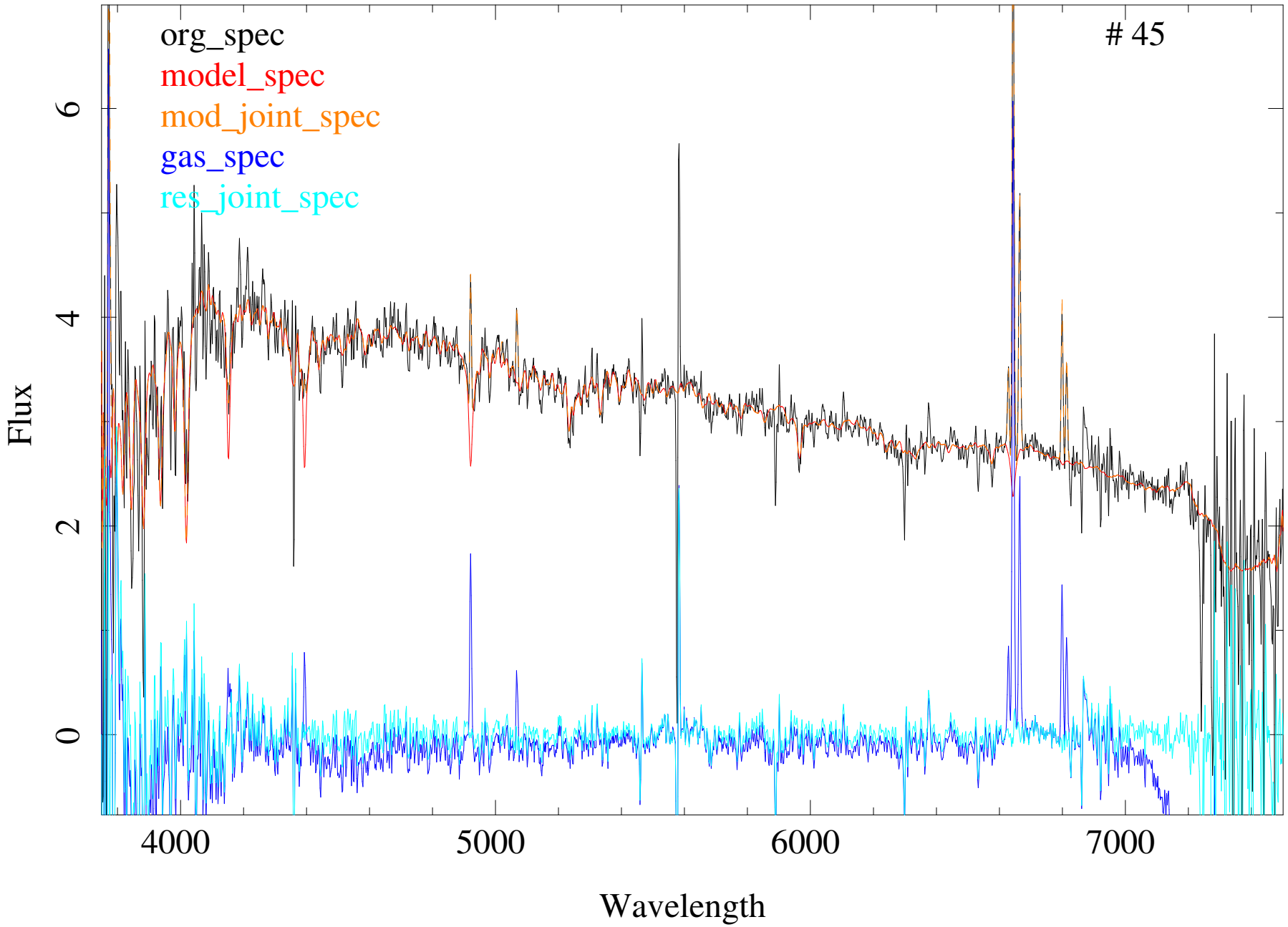

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
40
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

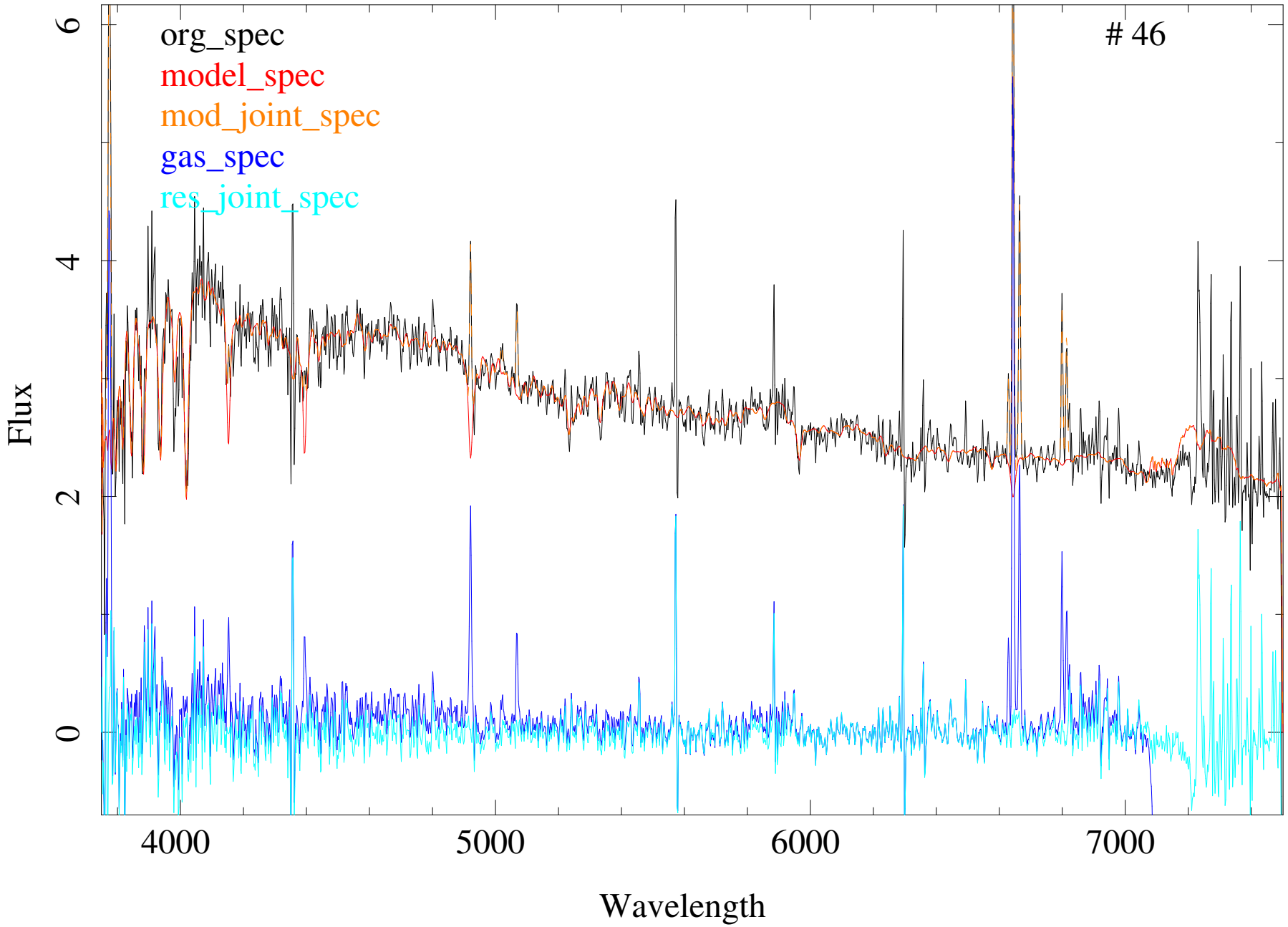

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
41
Flux
0
1
2
3
4
4000
5000
6000
7000
Wavelength

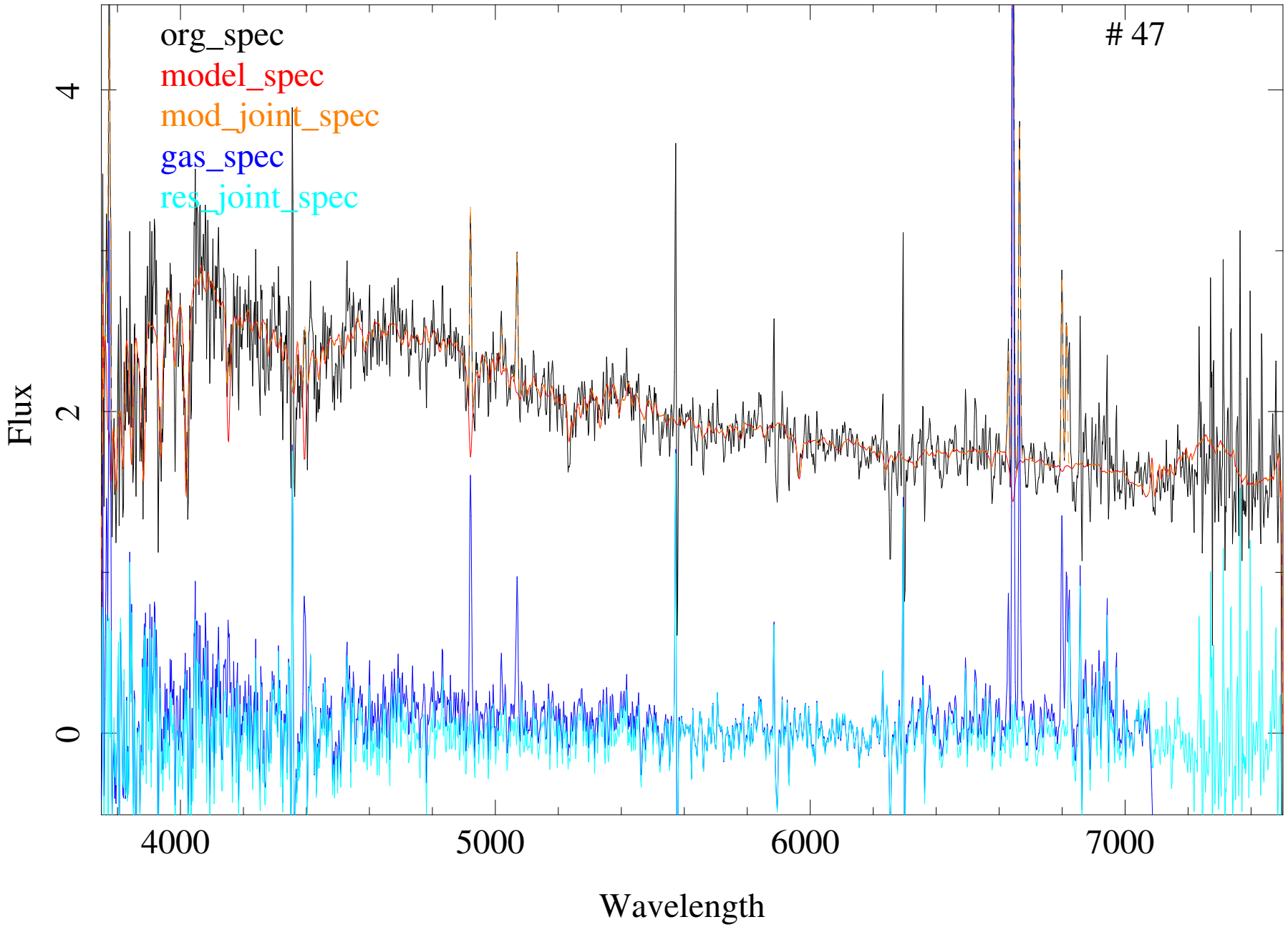

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
42
Flux
0
5
4000
5000
6000
7000
Wavelength

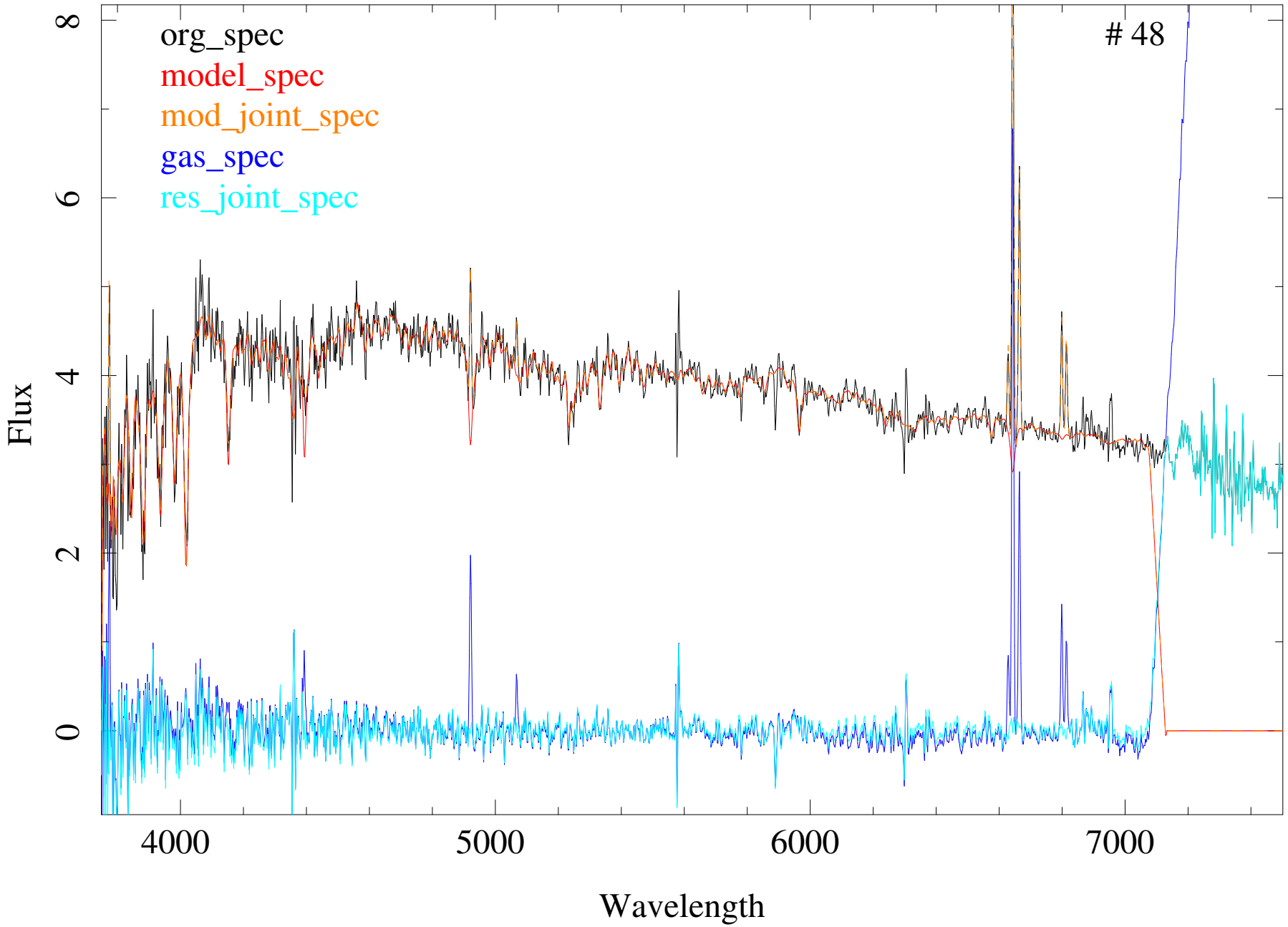

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
43
Flux
0
2
4
4000
5000
6000
7000
Wavelength

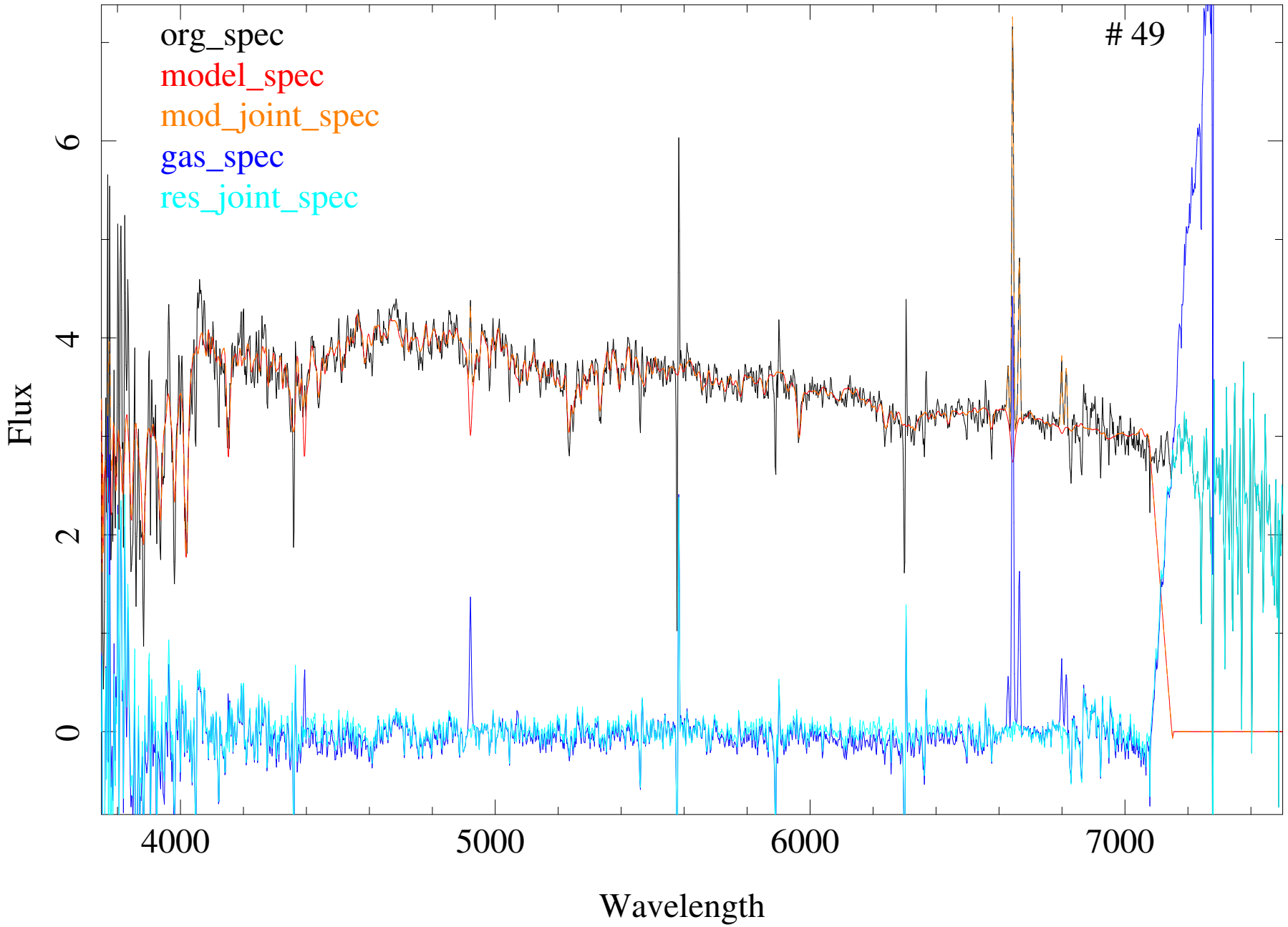

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
44
Flux
0
5
4000
5000
6000
7000
Wavelength

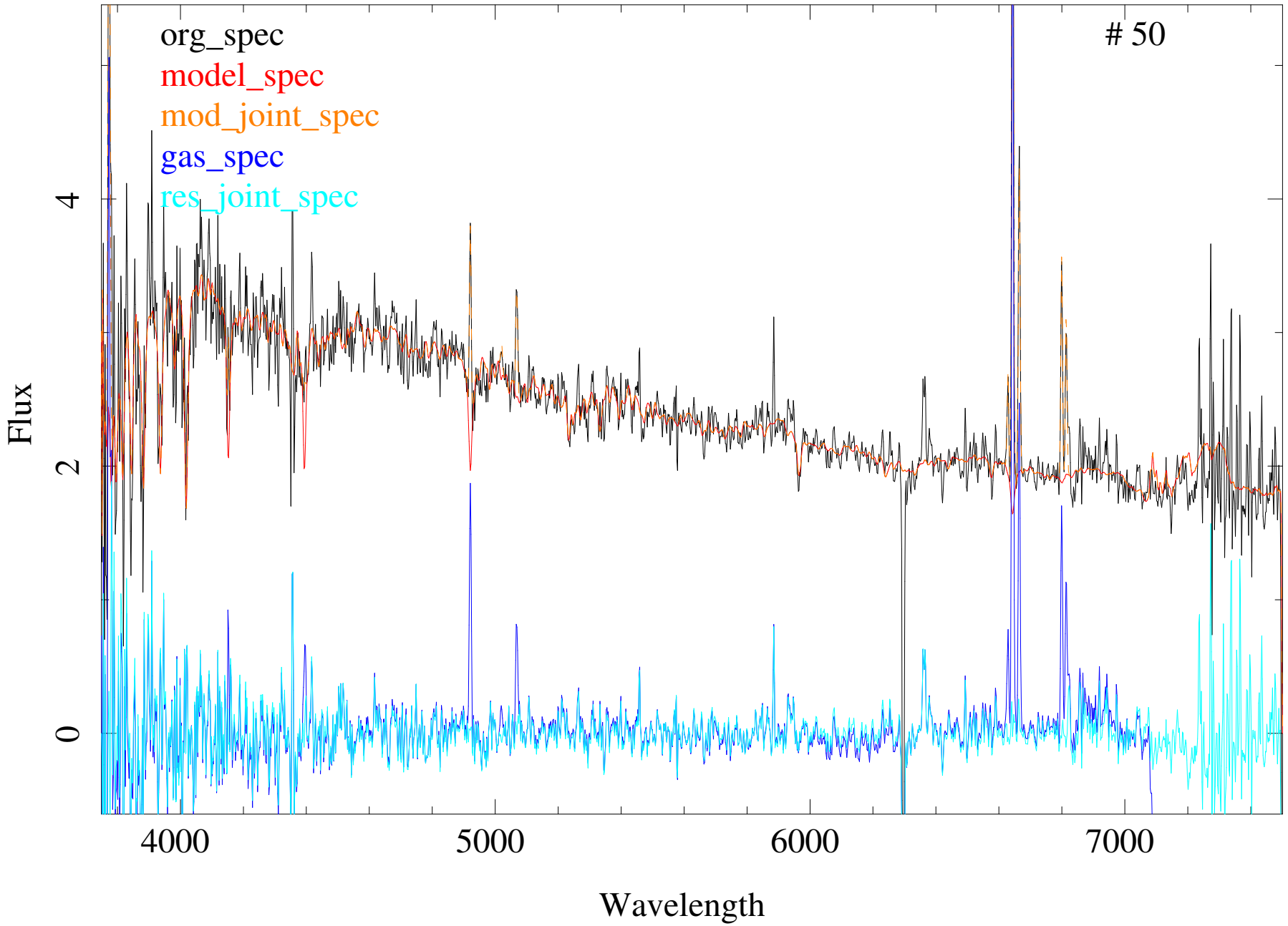

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
45
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

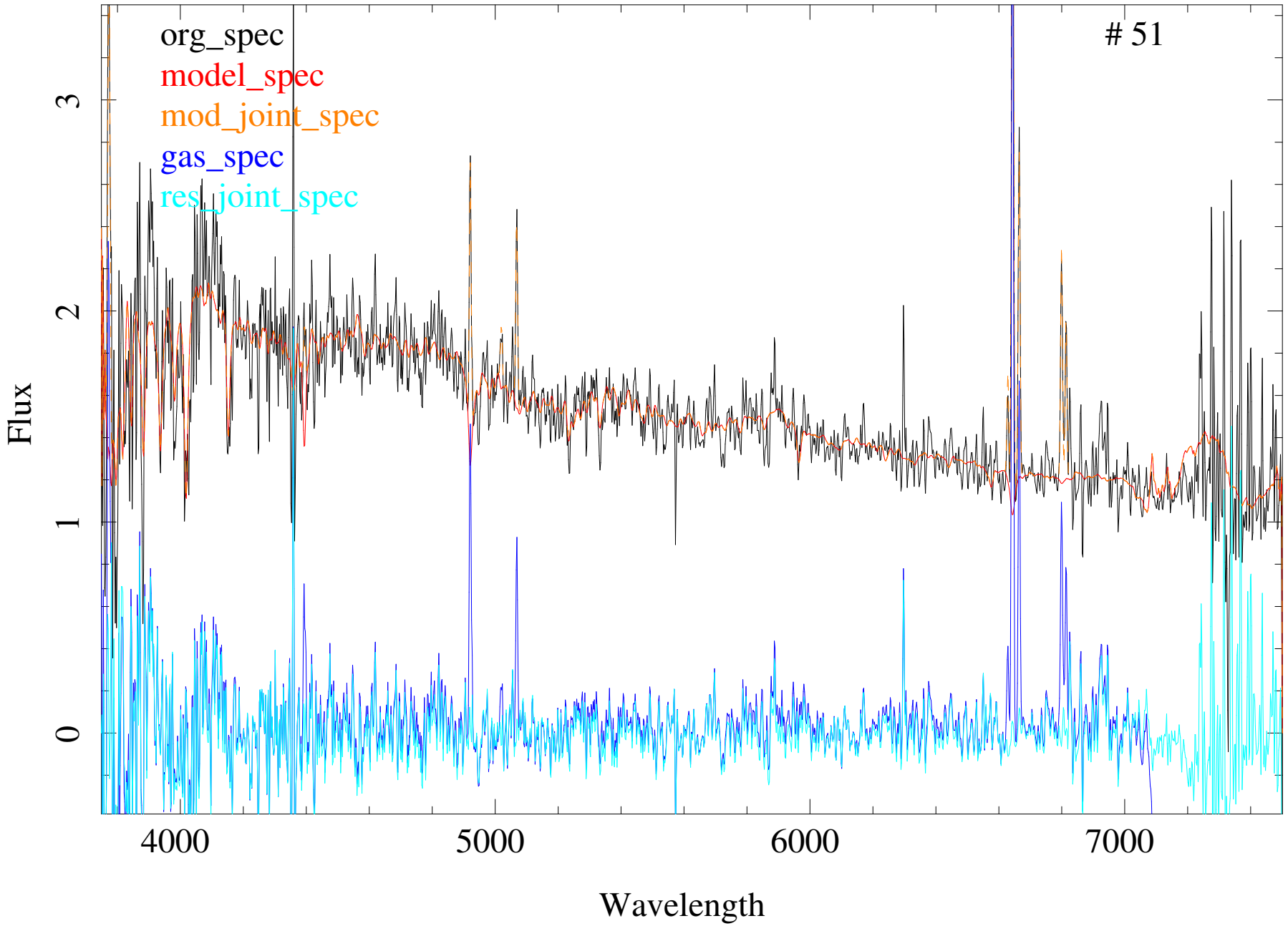

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
46
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

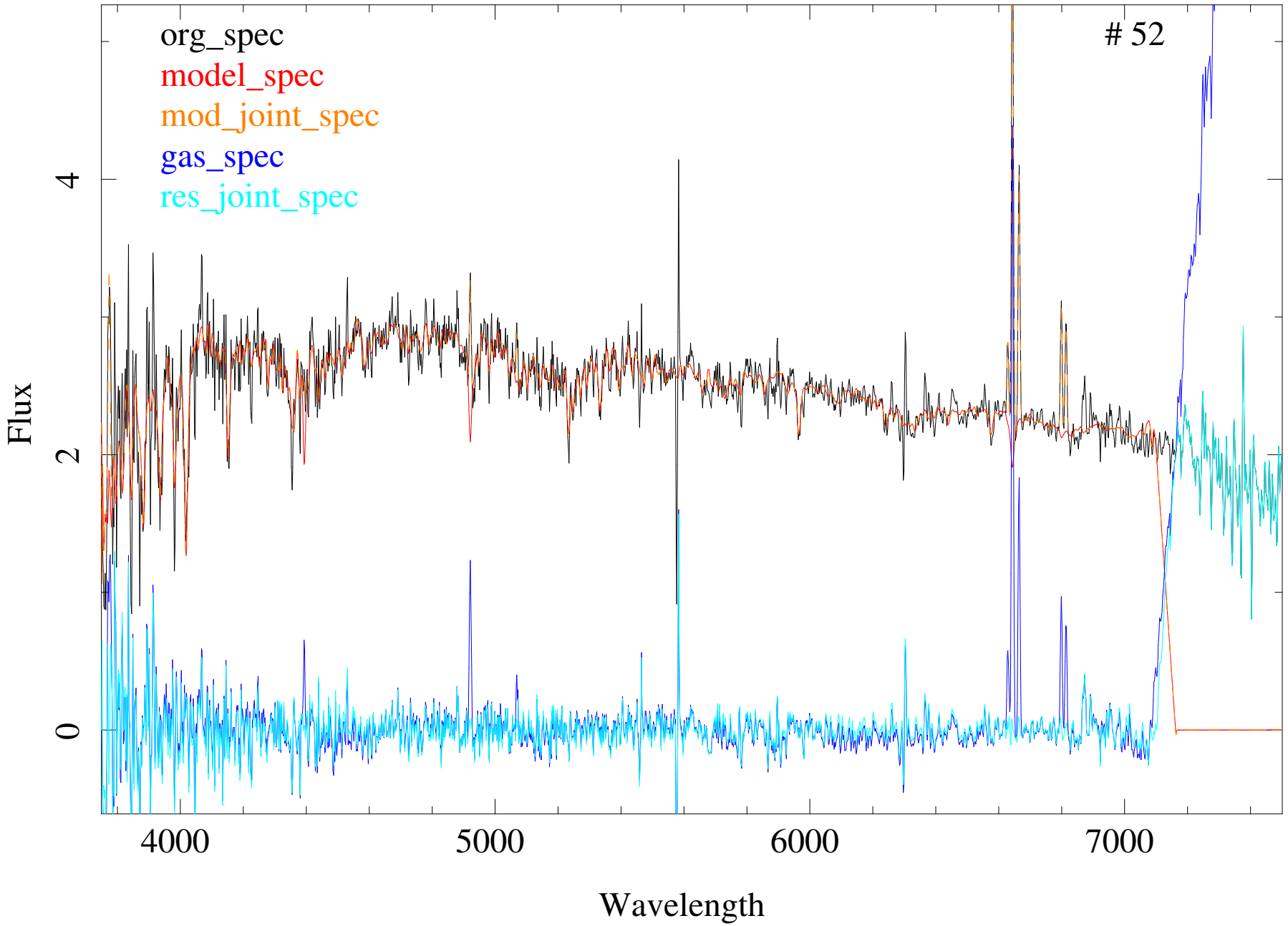

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
47
Flux
0
2
4
4000
5000
6000
7000
Wavelength

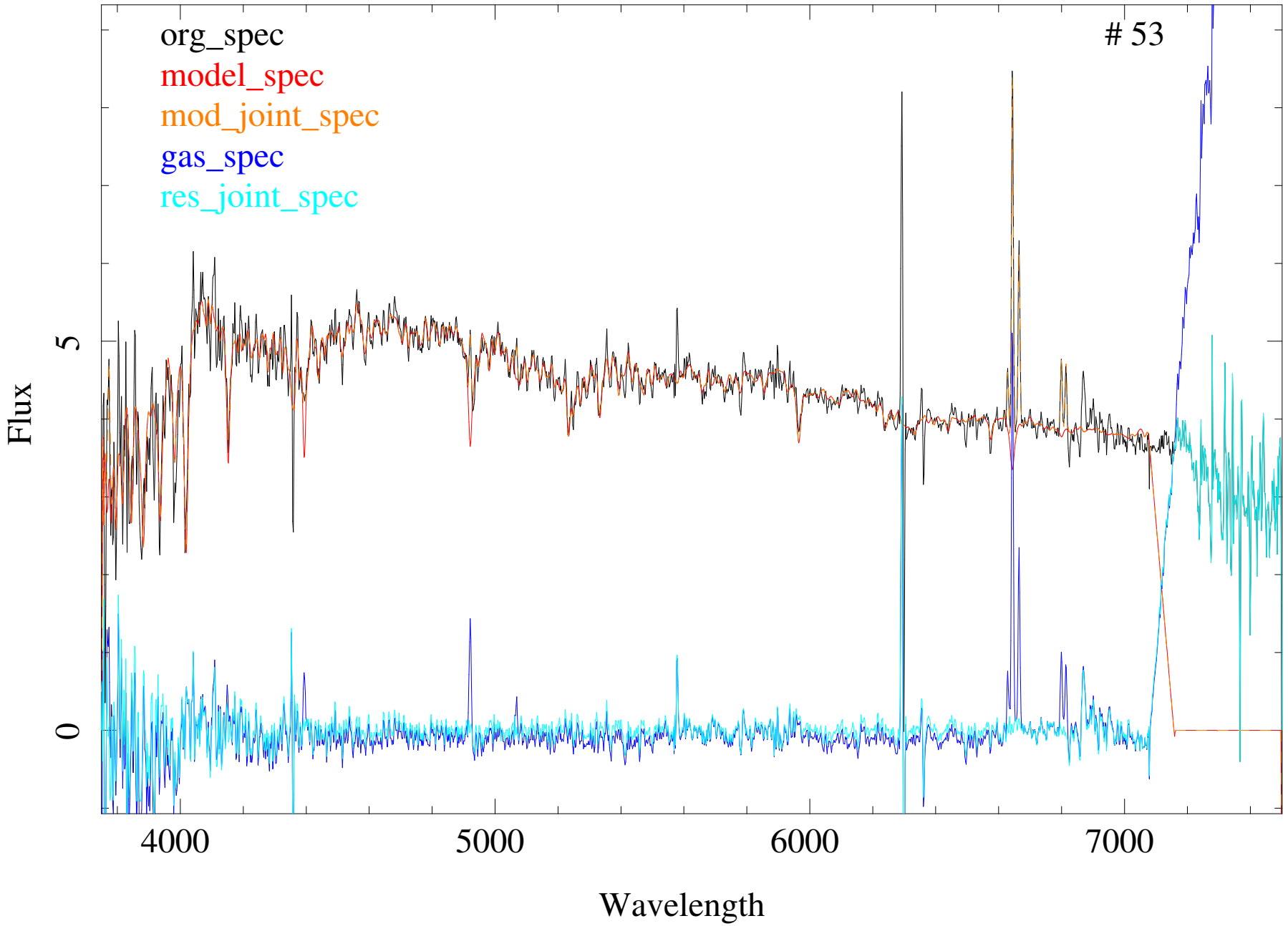

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
48
Flux
0
2
4
6
8
4000
5000
6000
7000
Wavelength

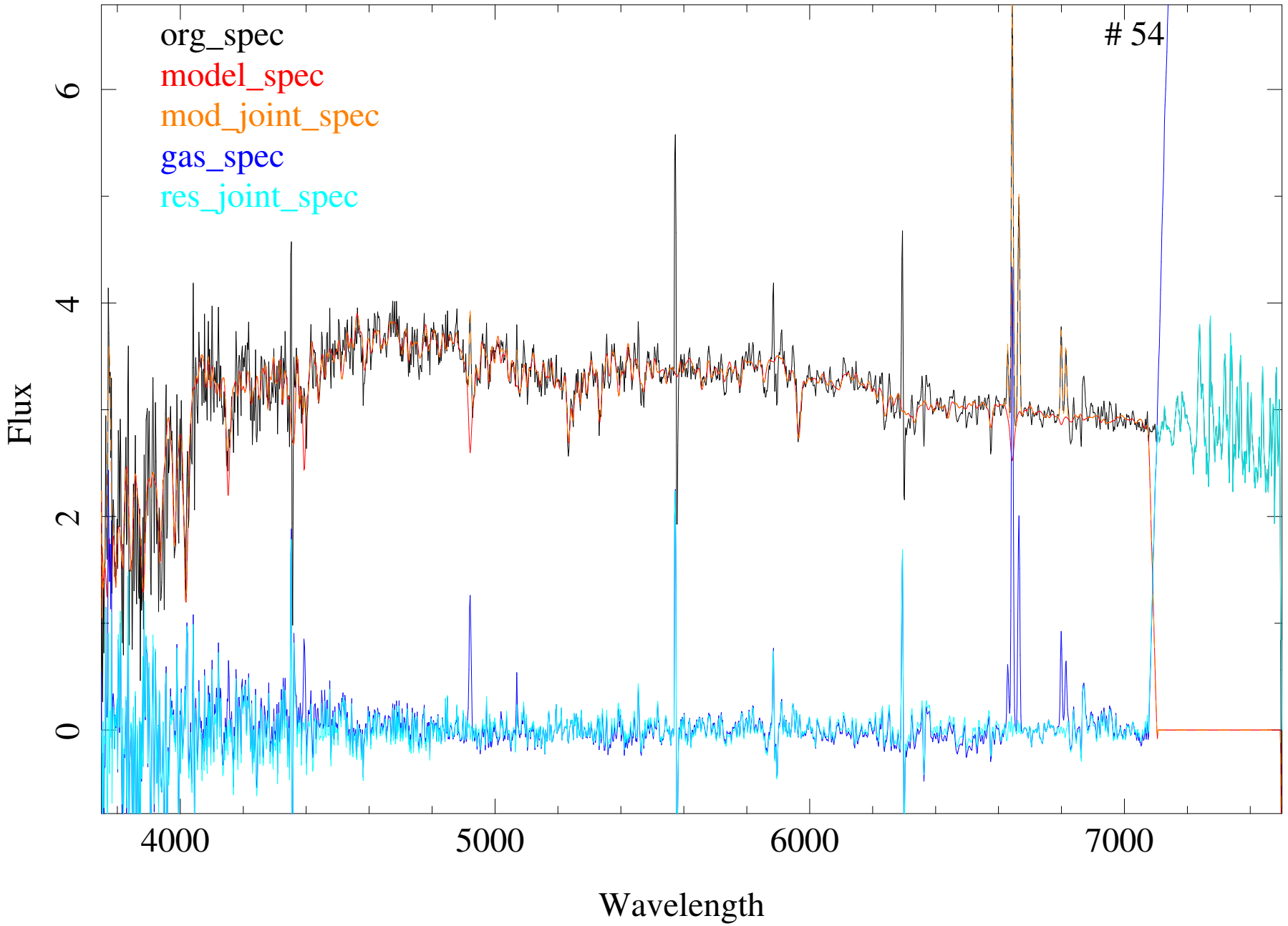

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
49
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

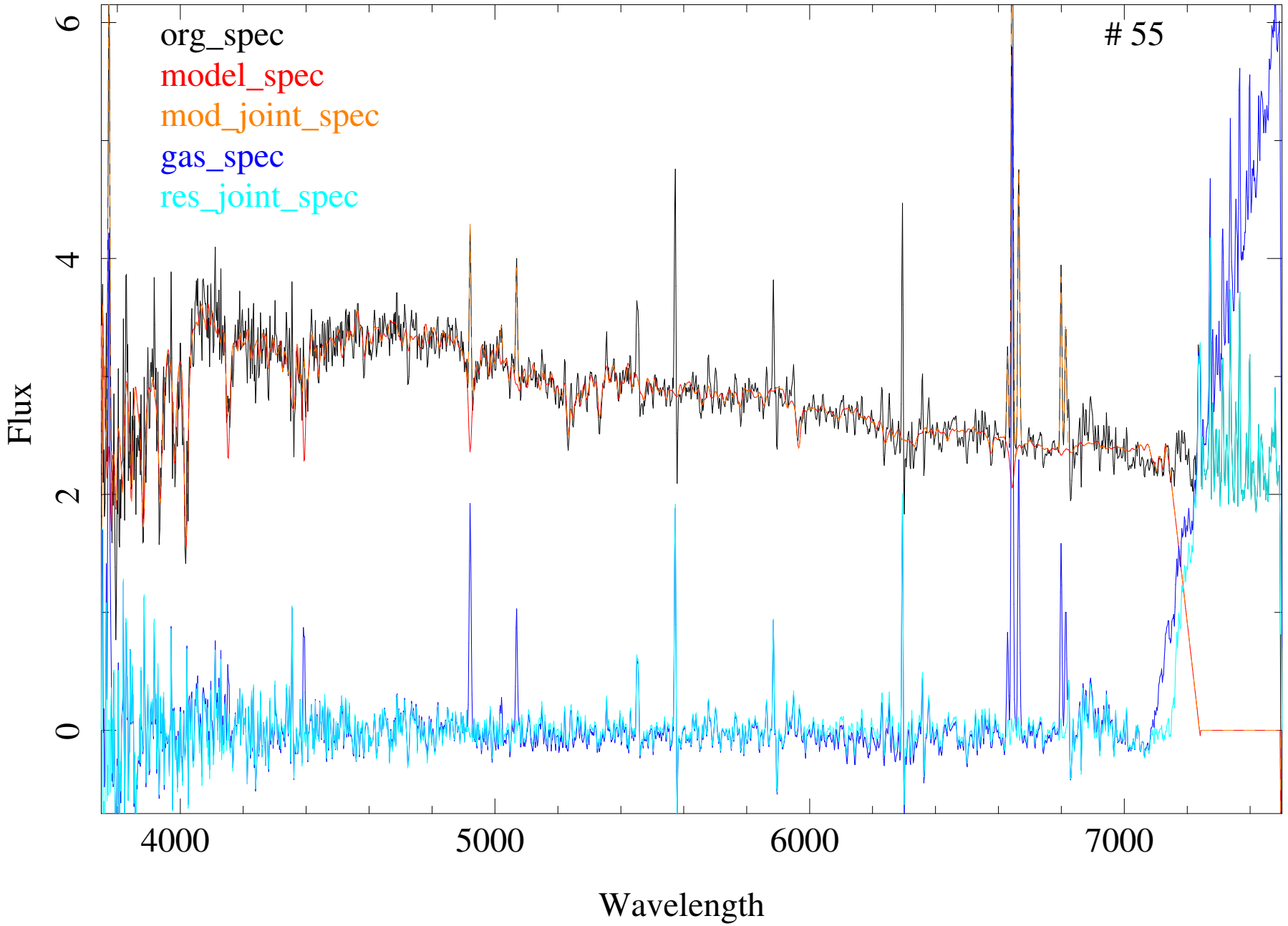

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
50
Flux
0
2
4
4000
5000
6000
7000
Wavelength

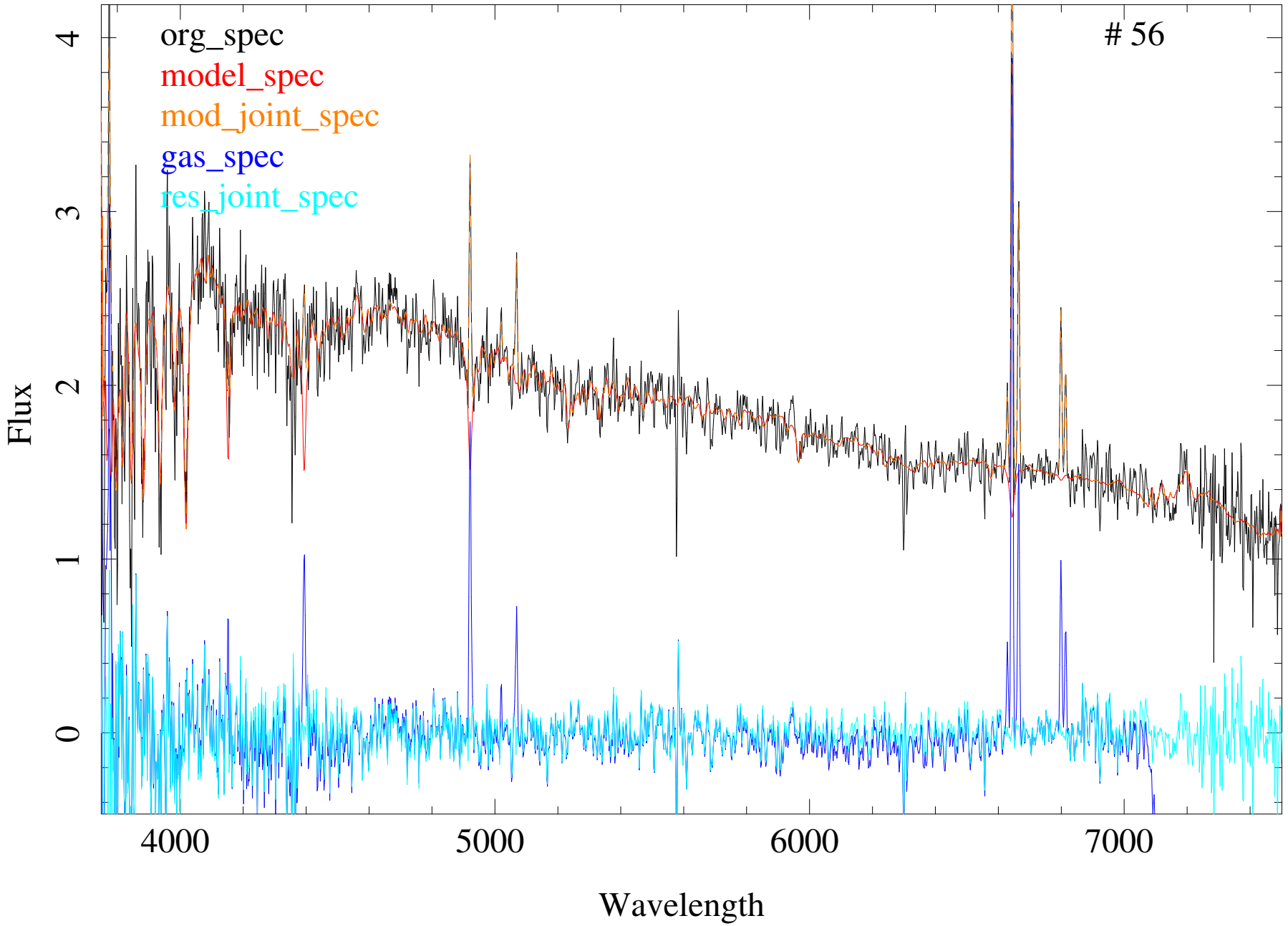

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
51
Flux
0
1
2
3
4000
5000
6000
7000
Wavelength

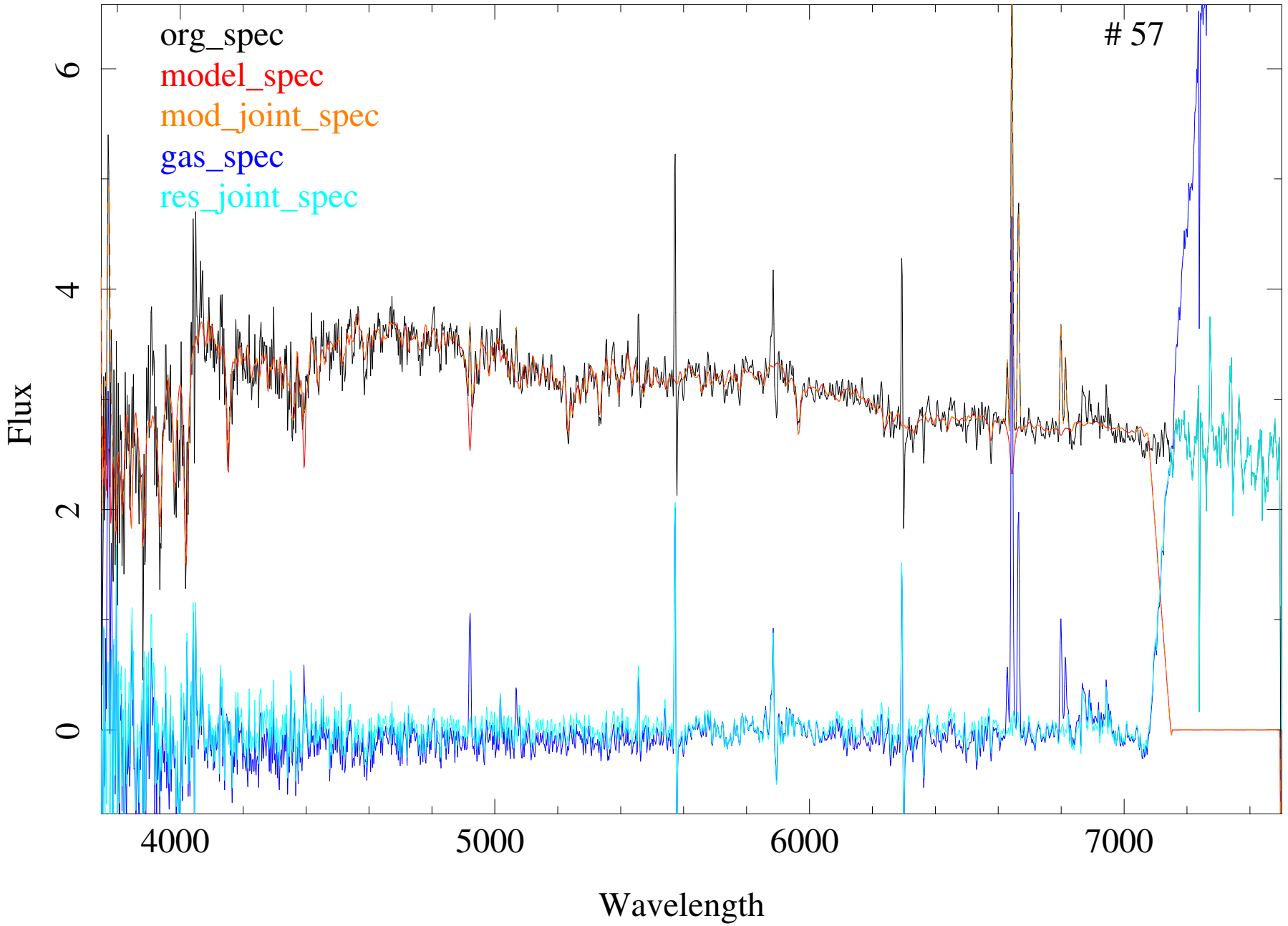

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
52
Flux
0
2
4
4000
5000
6000
7000
Wavelength

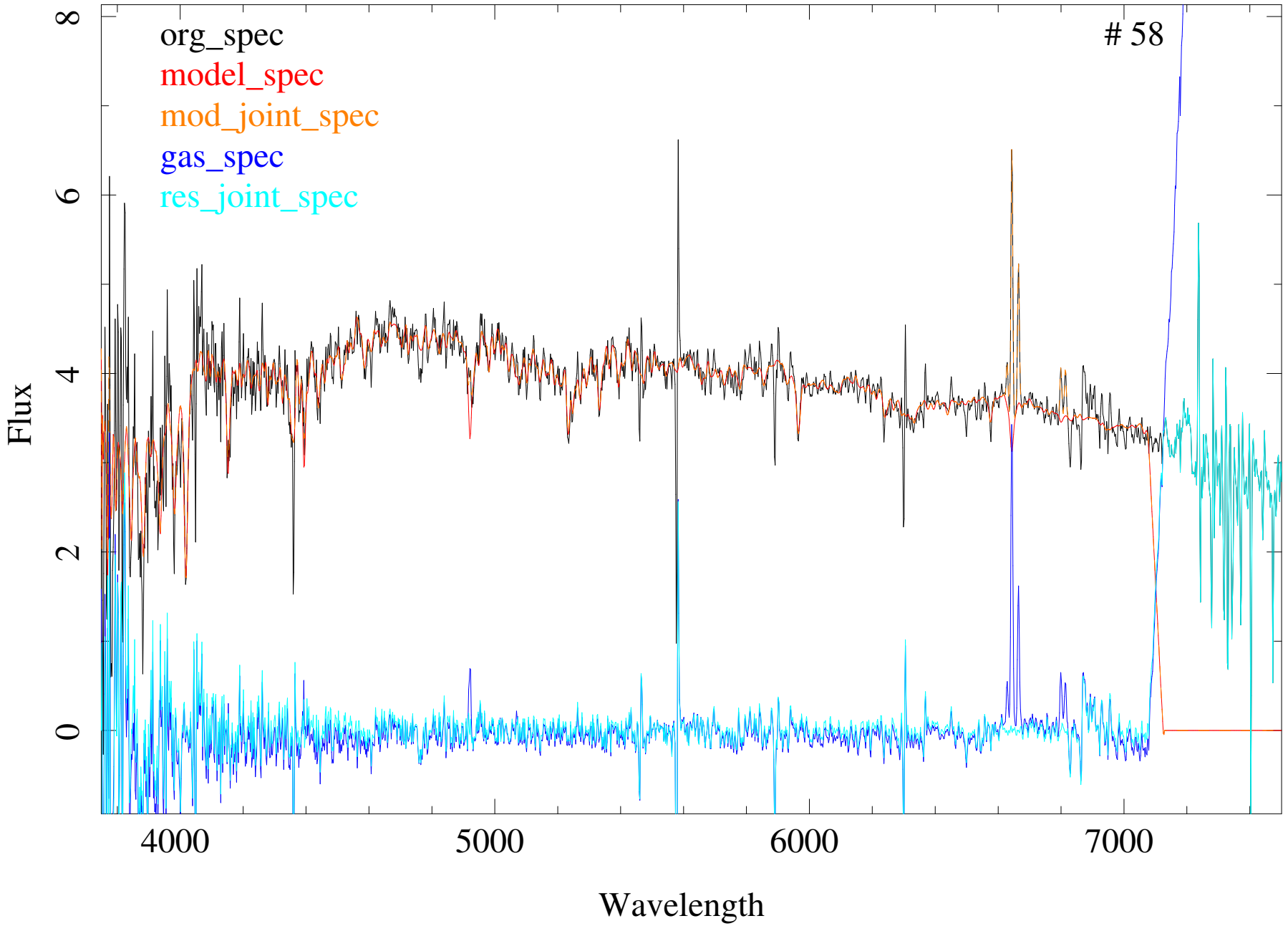

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
53
Flux
0
5
4000
5000
6000
7000
Wavelength

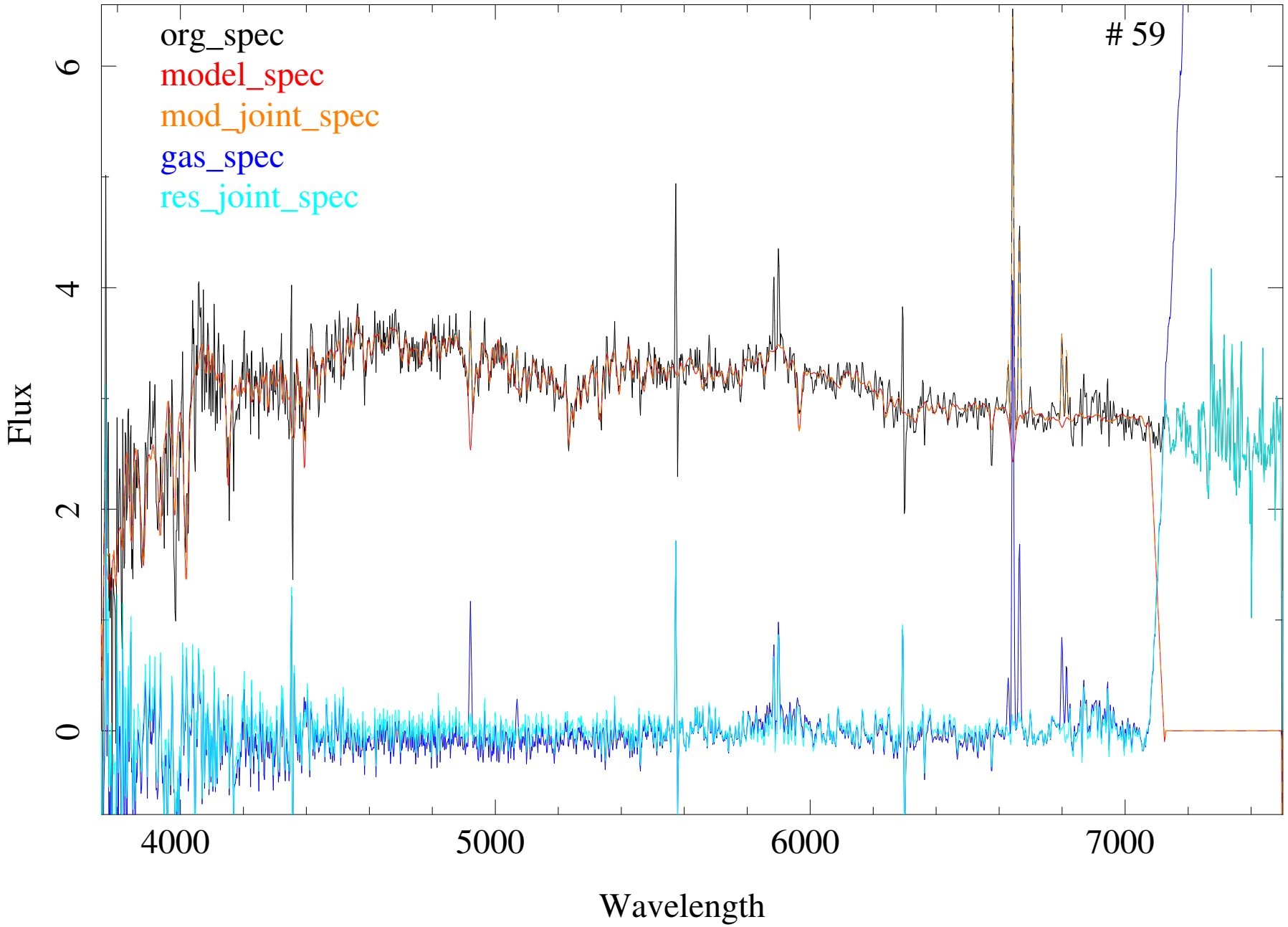

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
54
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

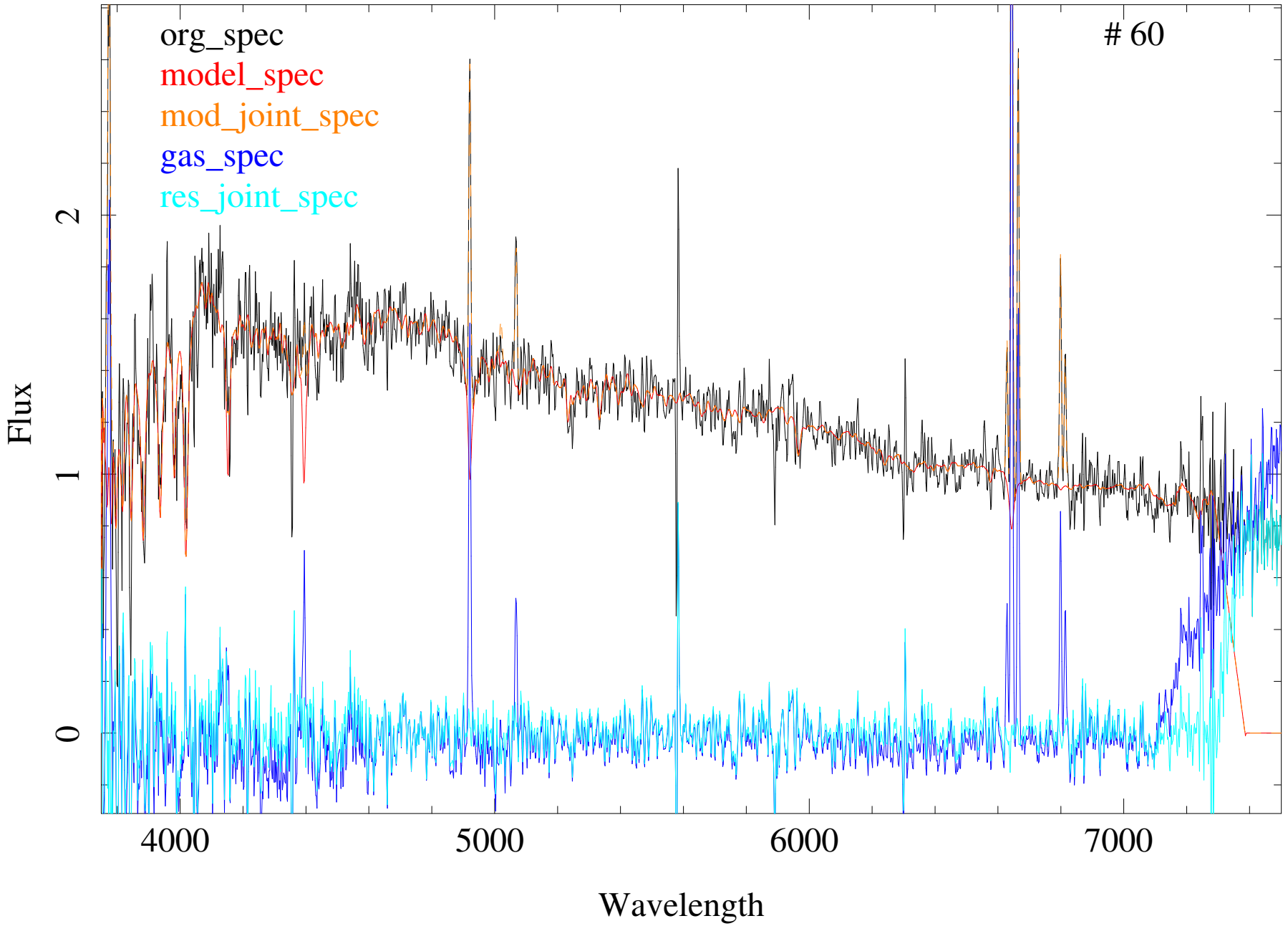

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
55
Flux
Wavelength
0
2
4
6
4000
5000
6000
7000

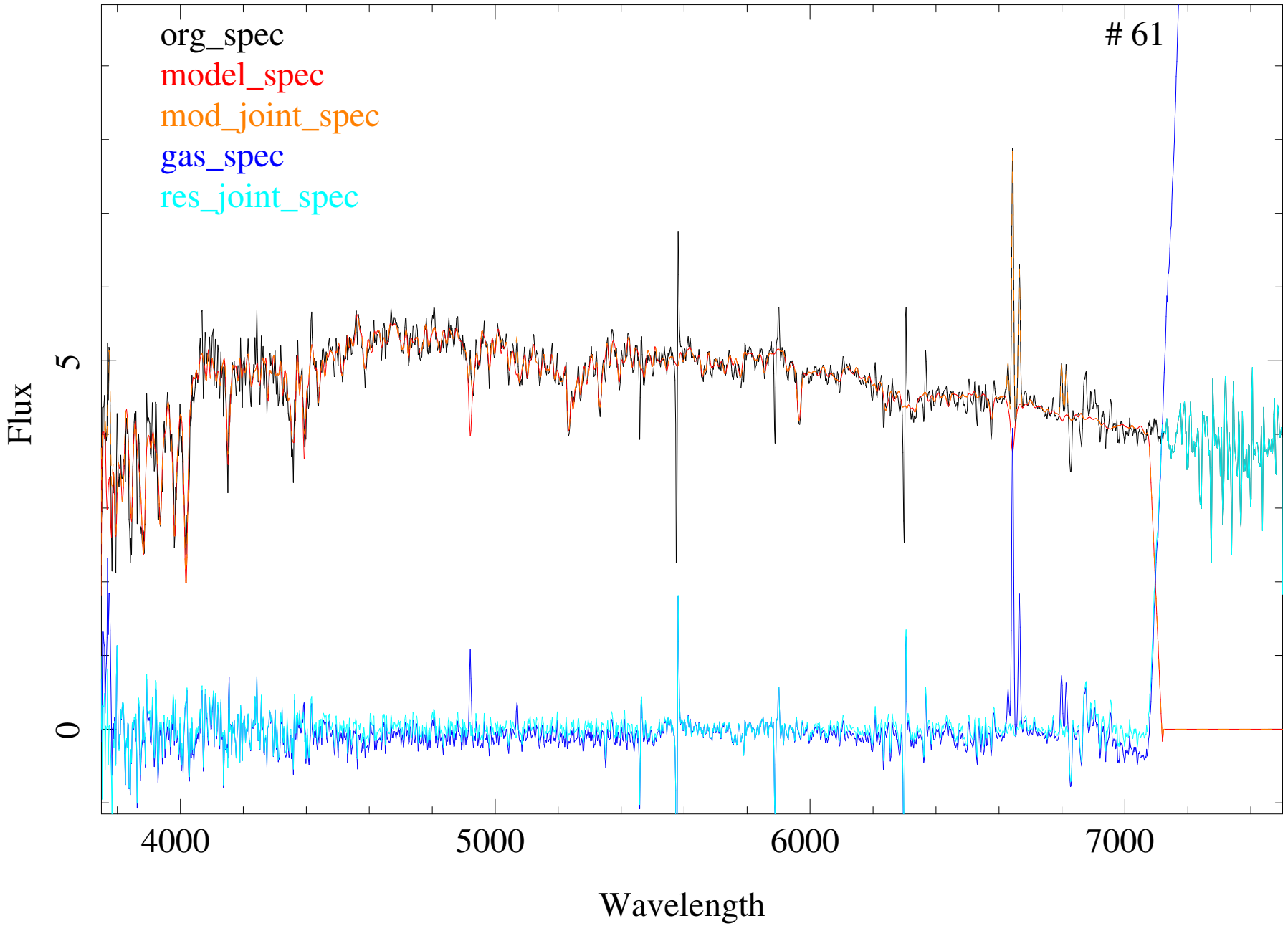

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
56
Flux
0
1
2
3
4
4000
5000
6000
7000
Wavelength

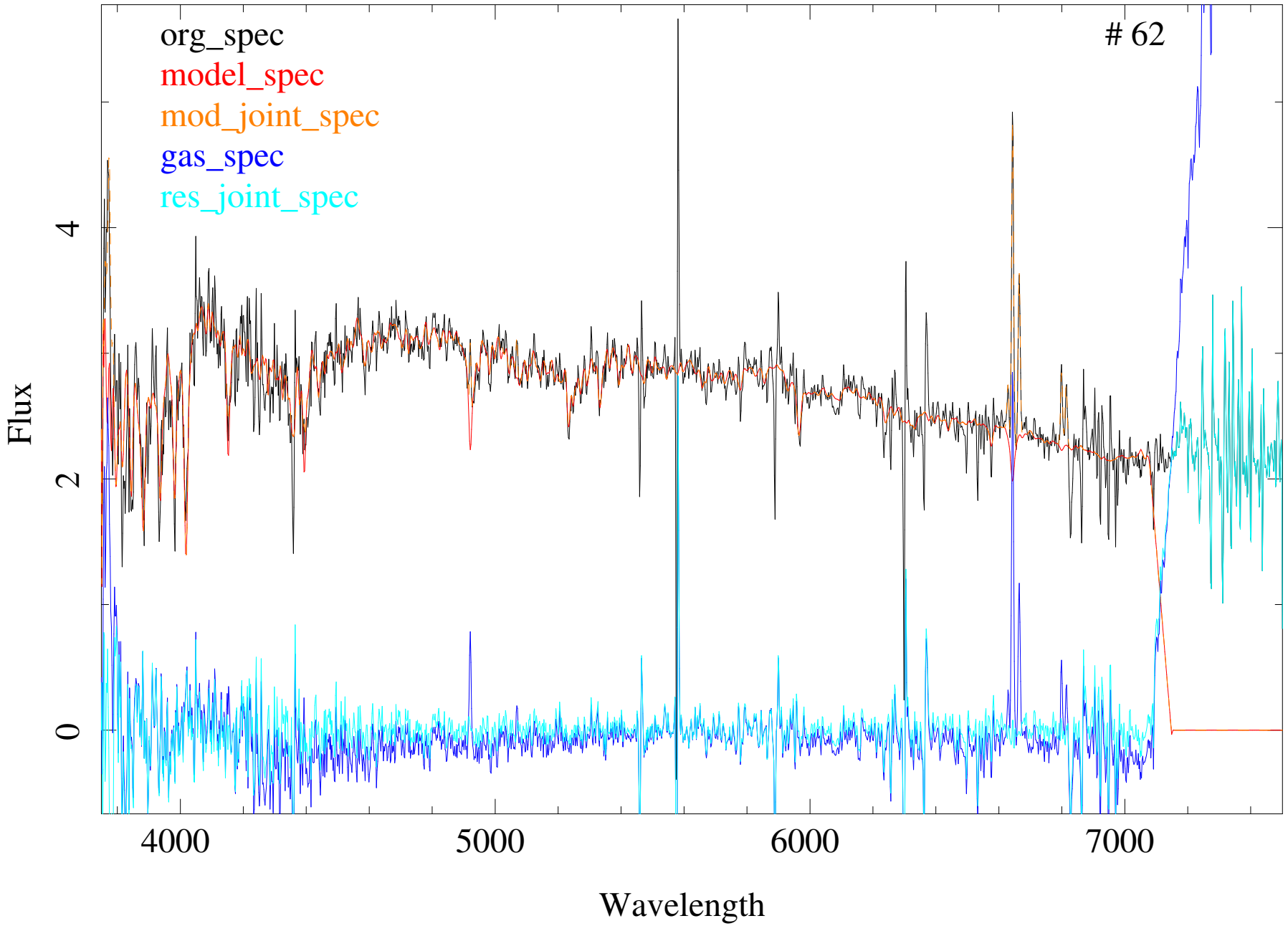

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
57
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

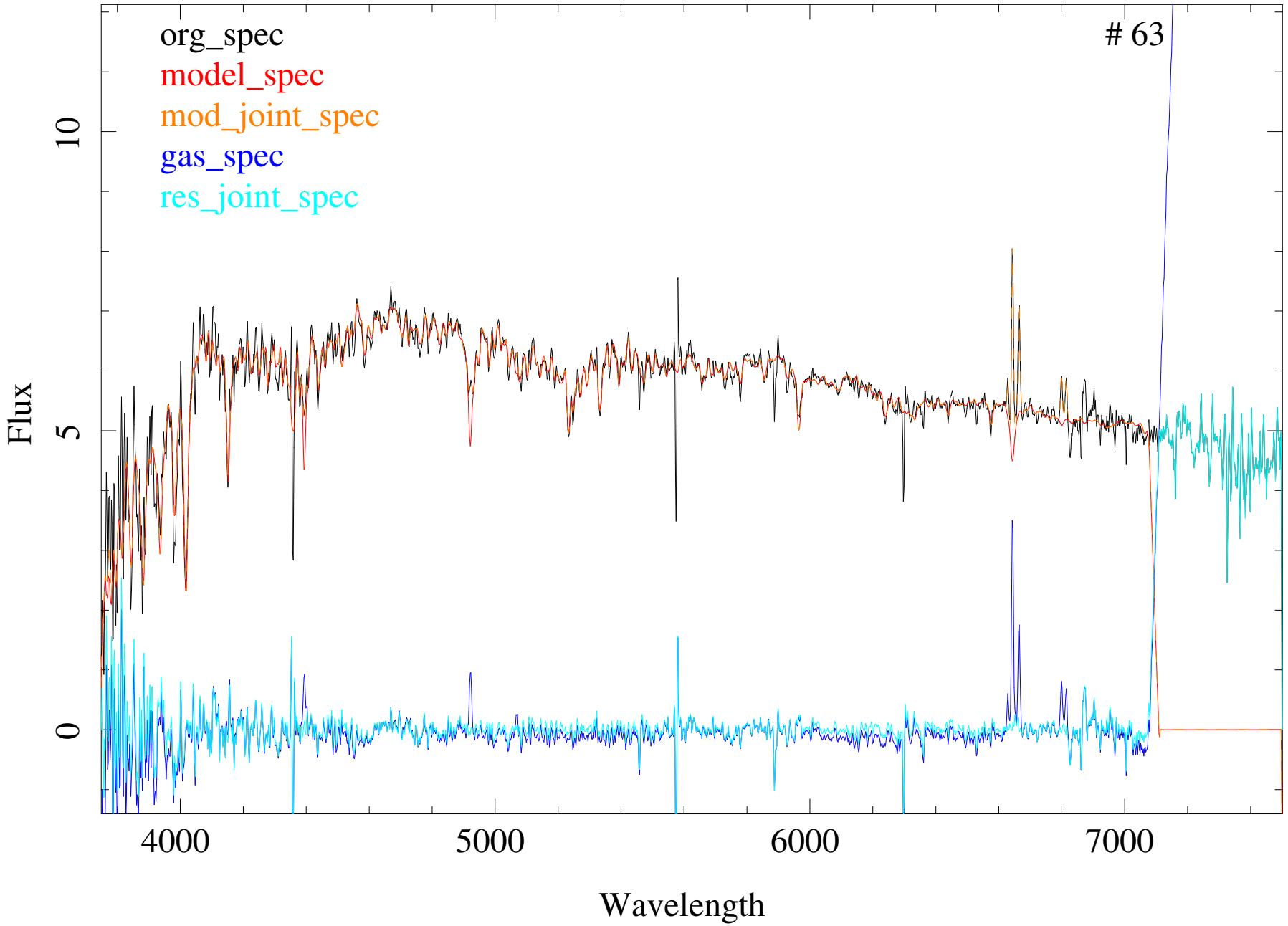

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
58
Flux
0
2
4
6
8
4000
5000
6000
7000
Wavelength

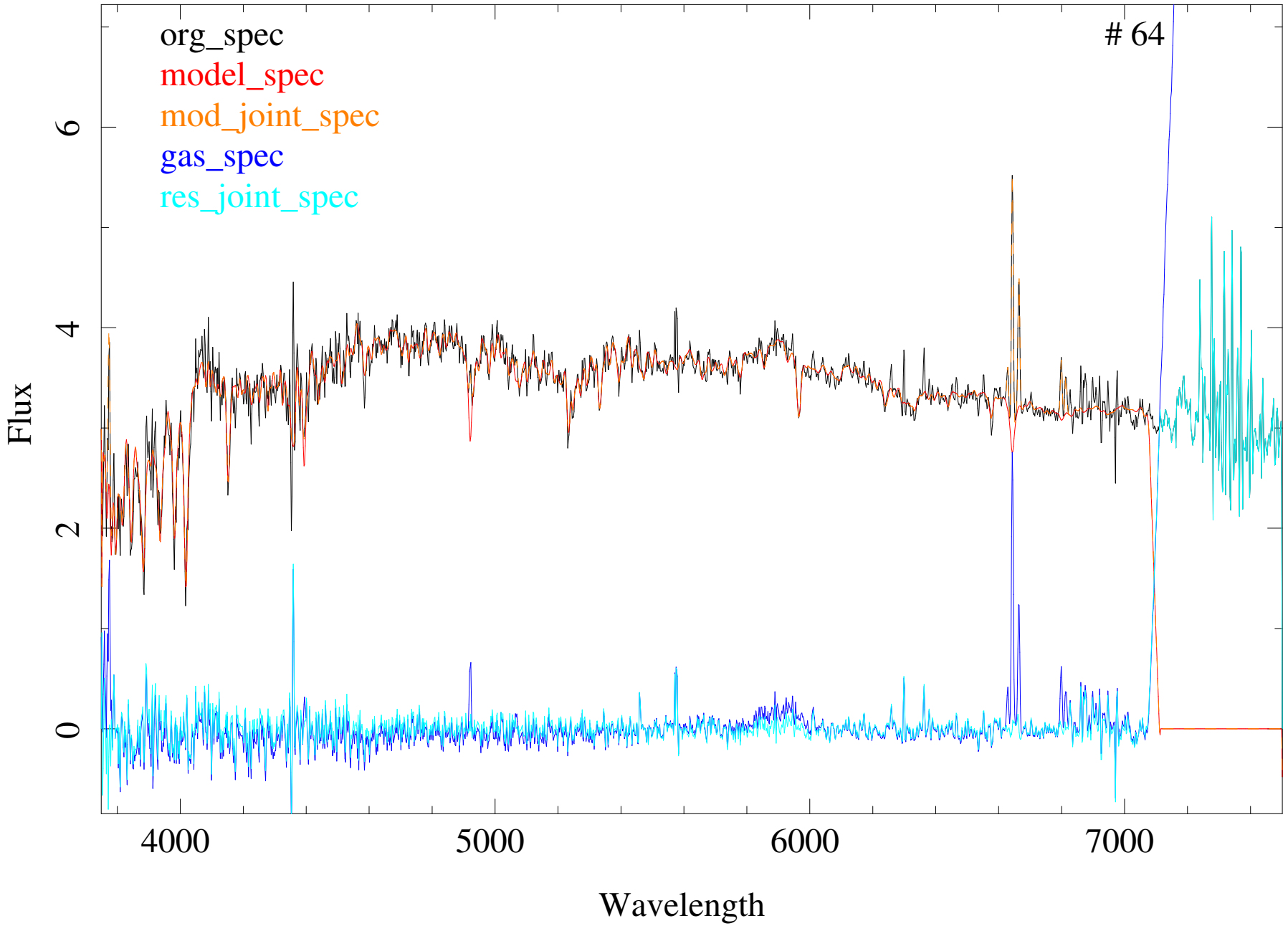

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
59
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

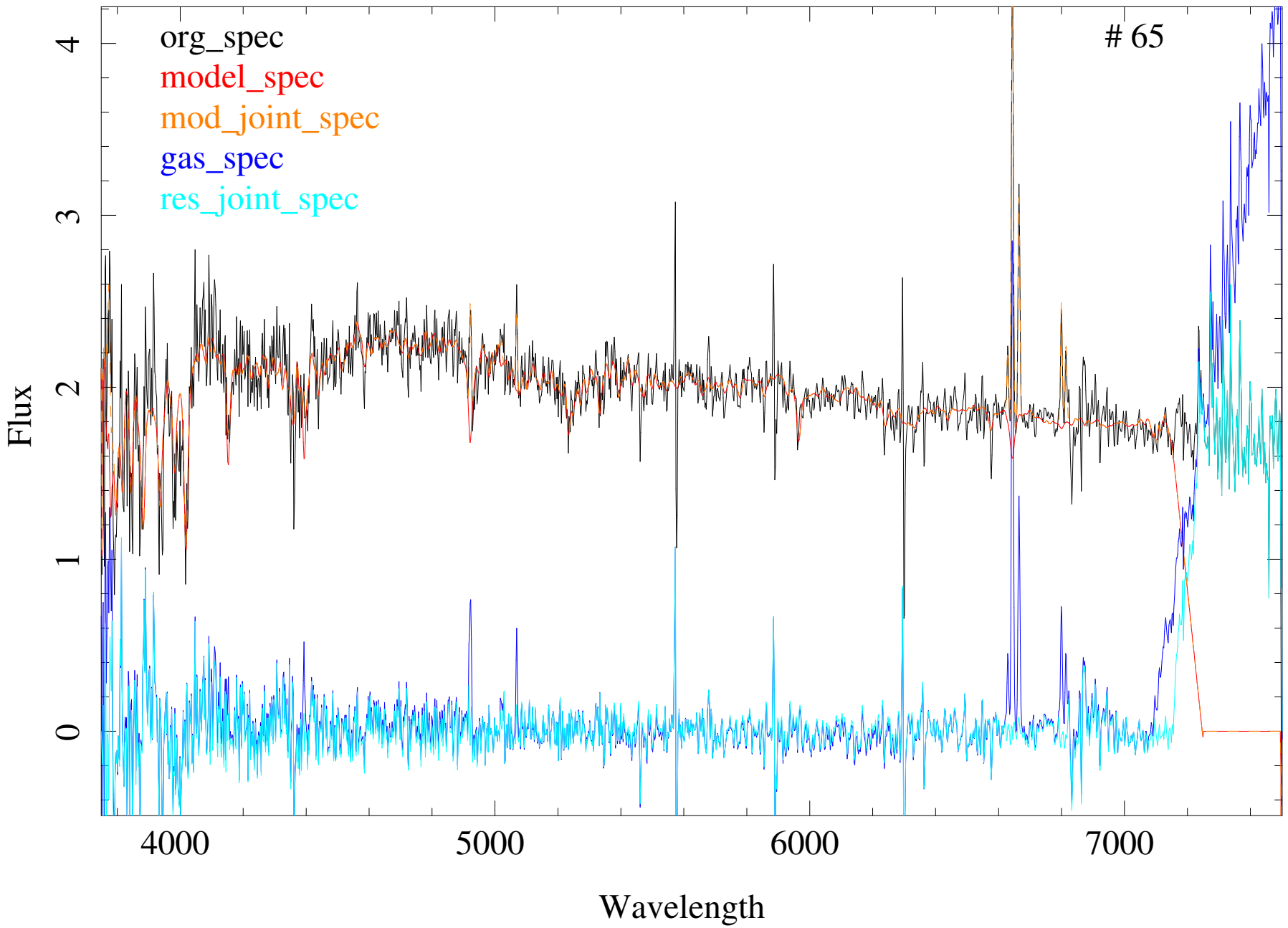

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
60
Flux
0
1
2
4000
5000
6000
7000
Wavelength

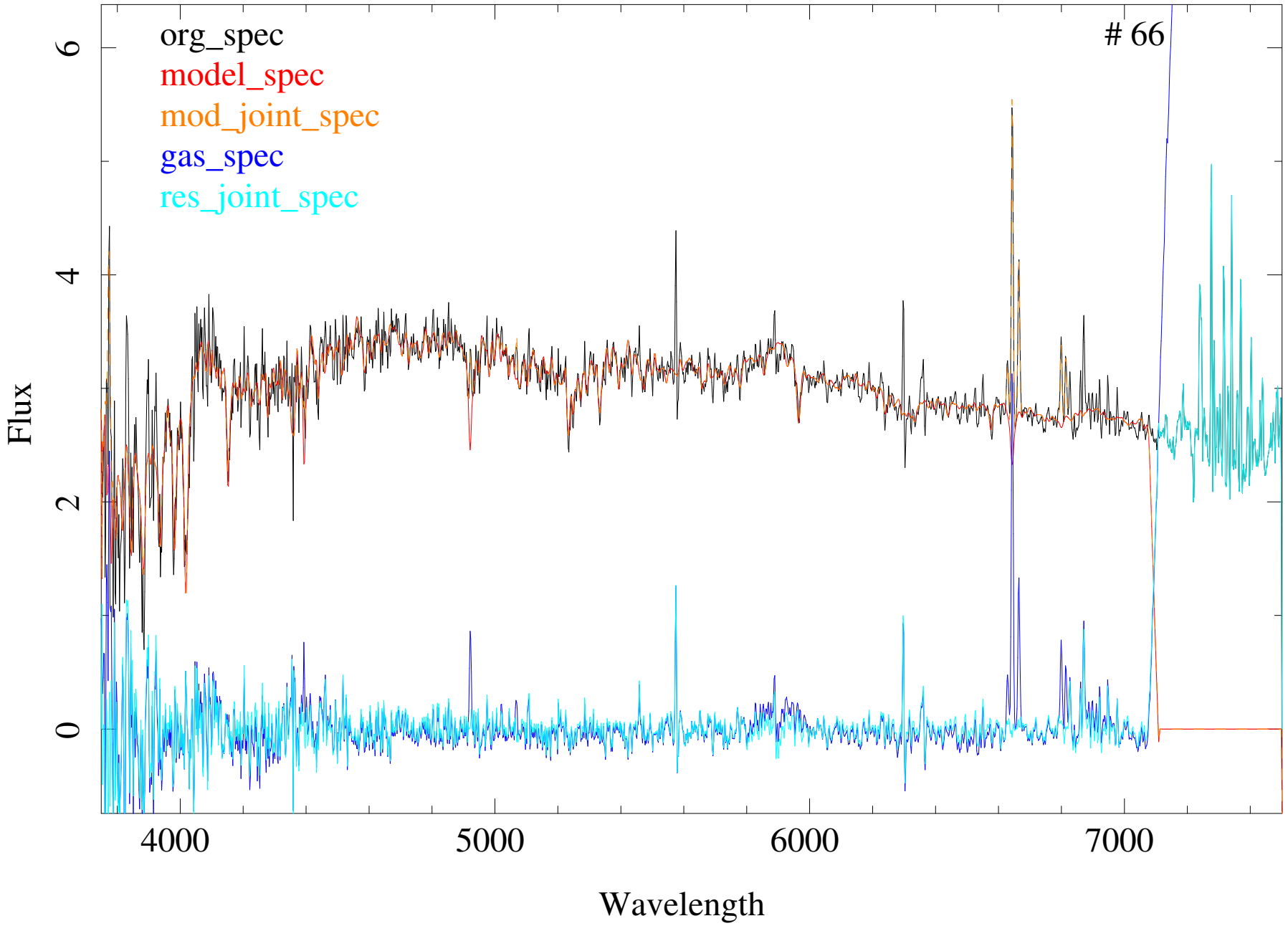

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
61
Flux
5
0
4000
5000
6000
7000
Wavelength

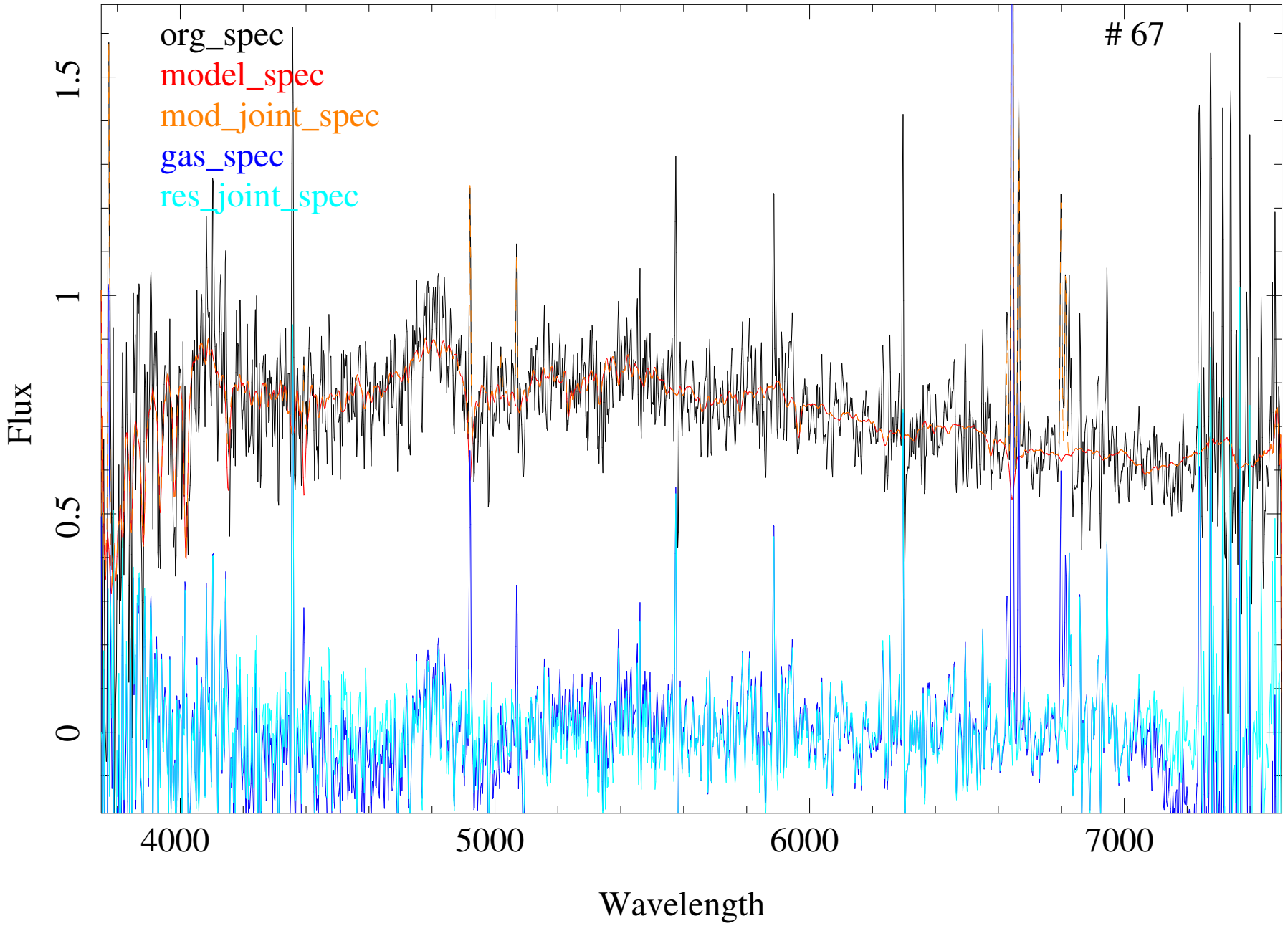

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
62
Flux
0
2
4
4000
5000
6000
7000
Wavelength

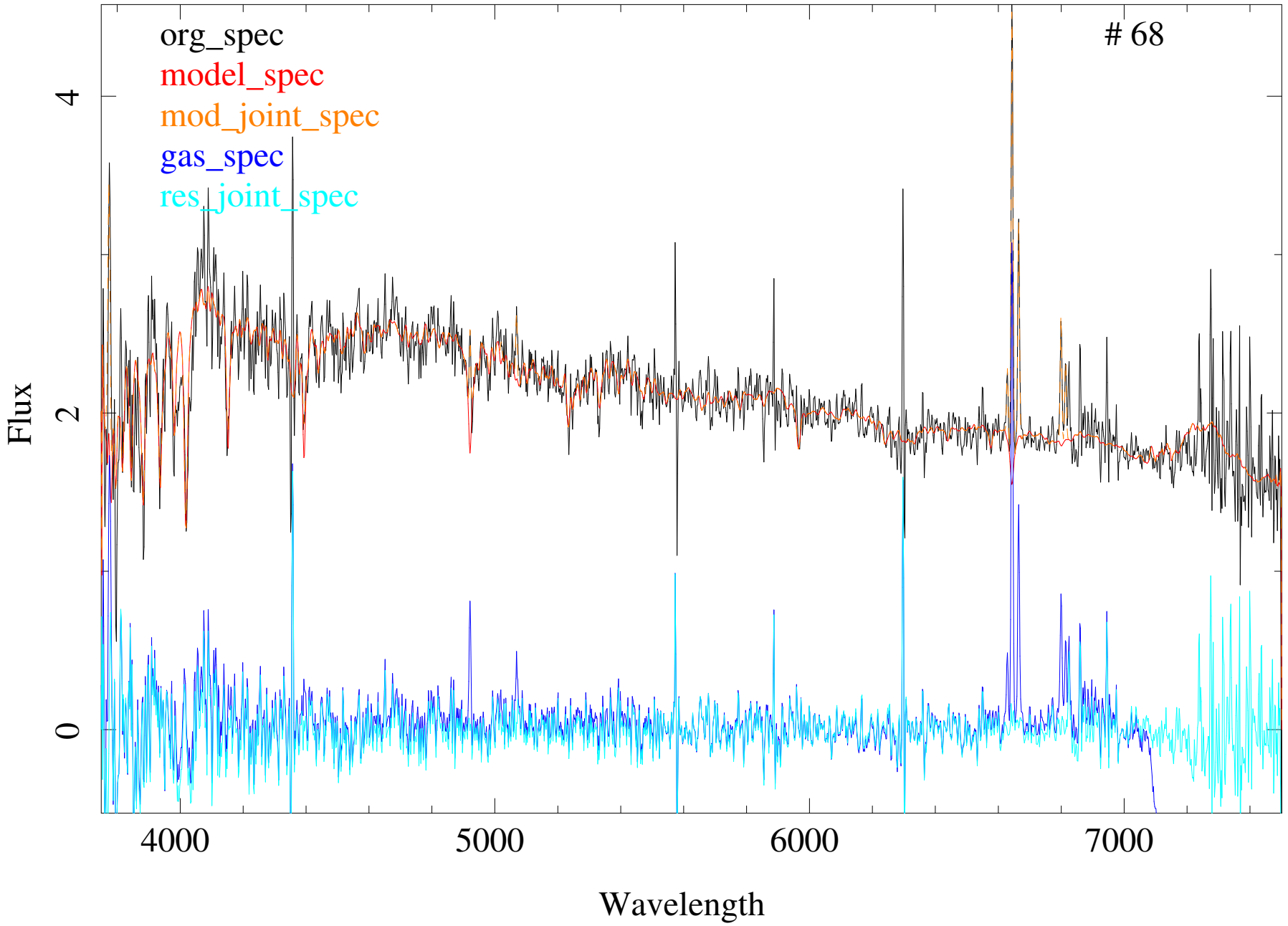

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
63
Flux
0
5
10
4000
5000
6000
7000
Wavelength

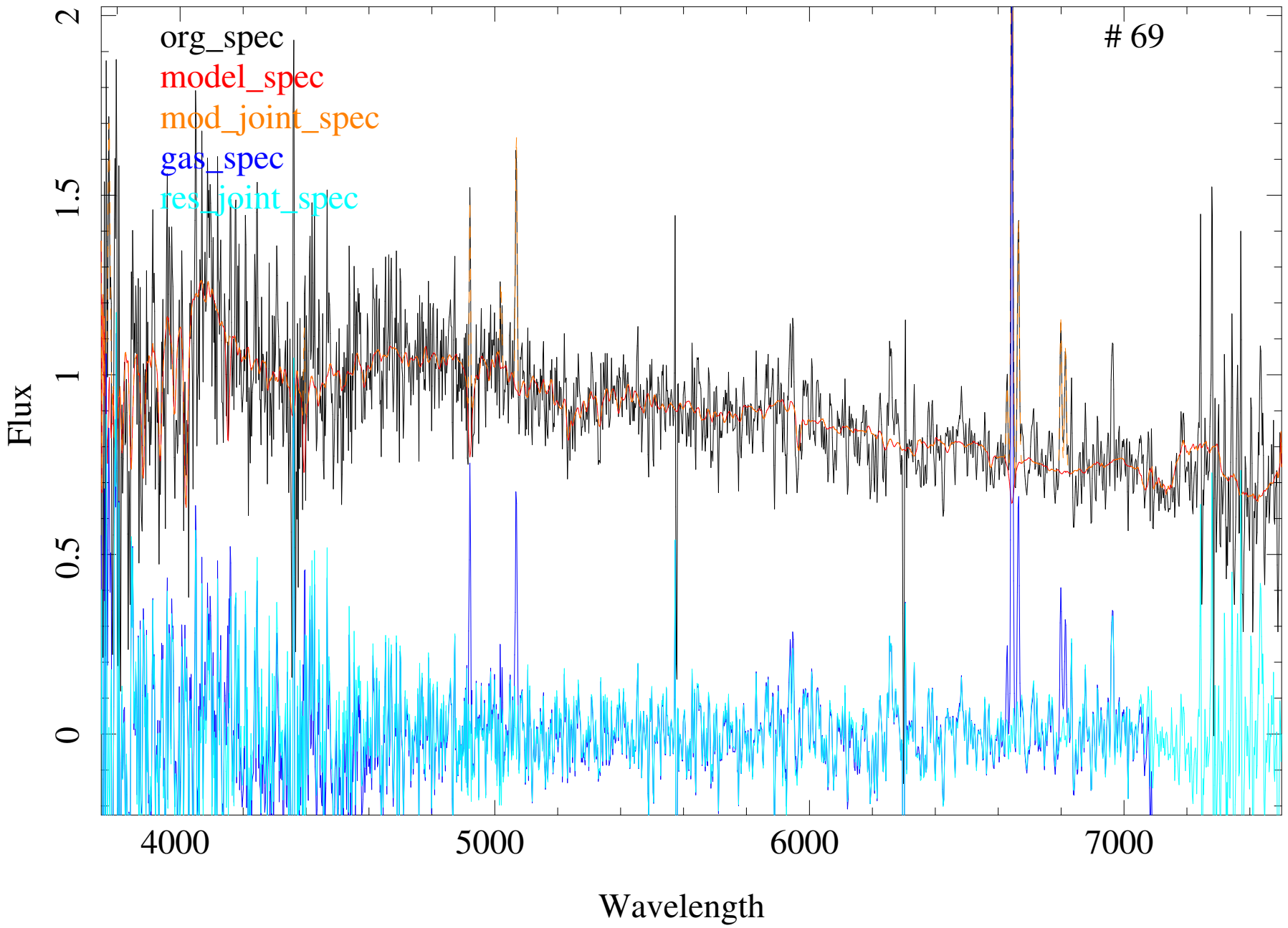

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
64
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

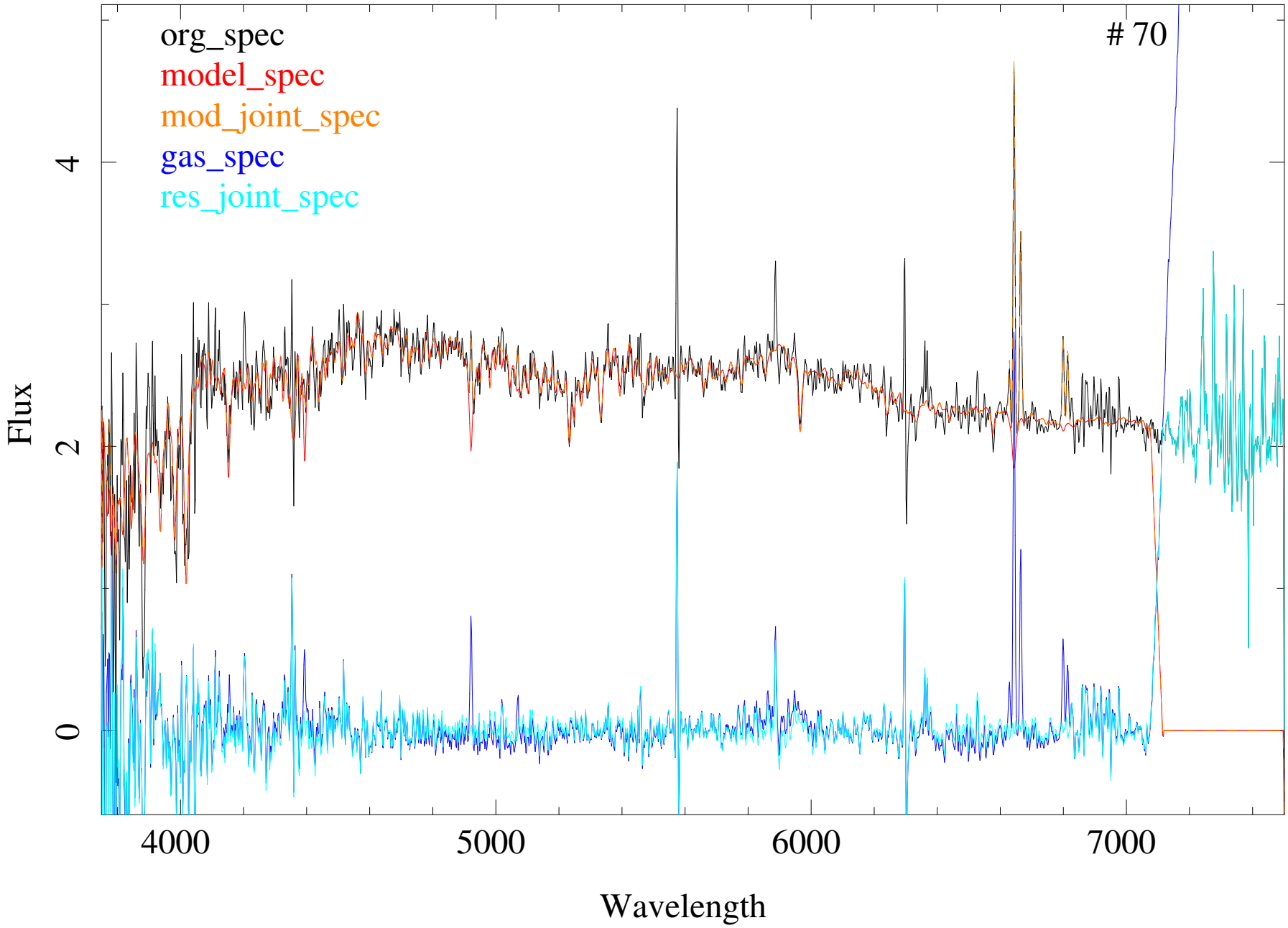

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
65
Flux
0
1
2
3
4
4000
5000
6000
7000
Wavelength

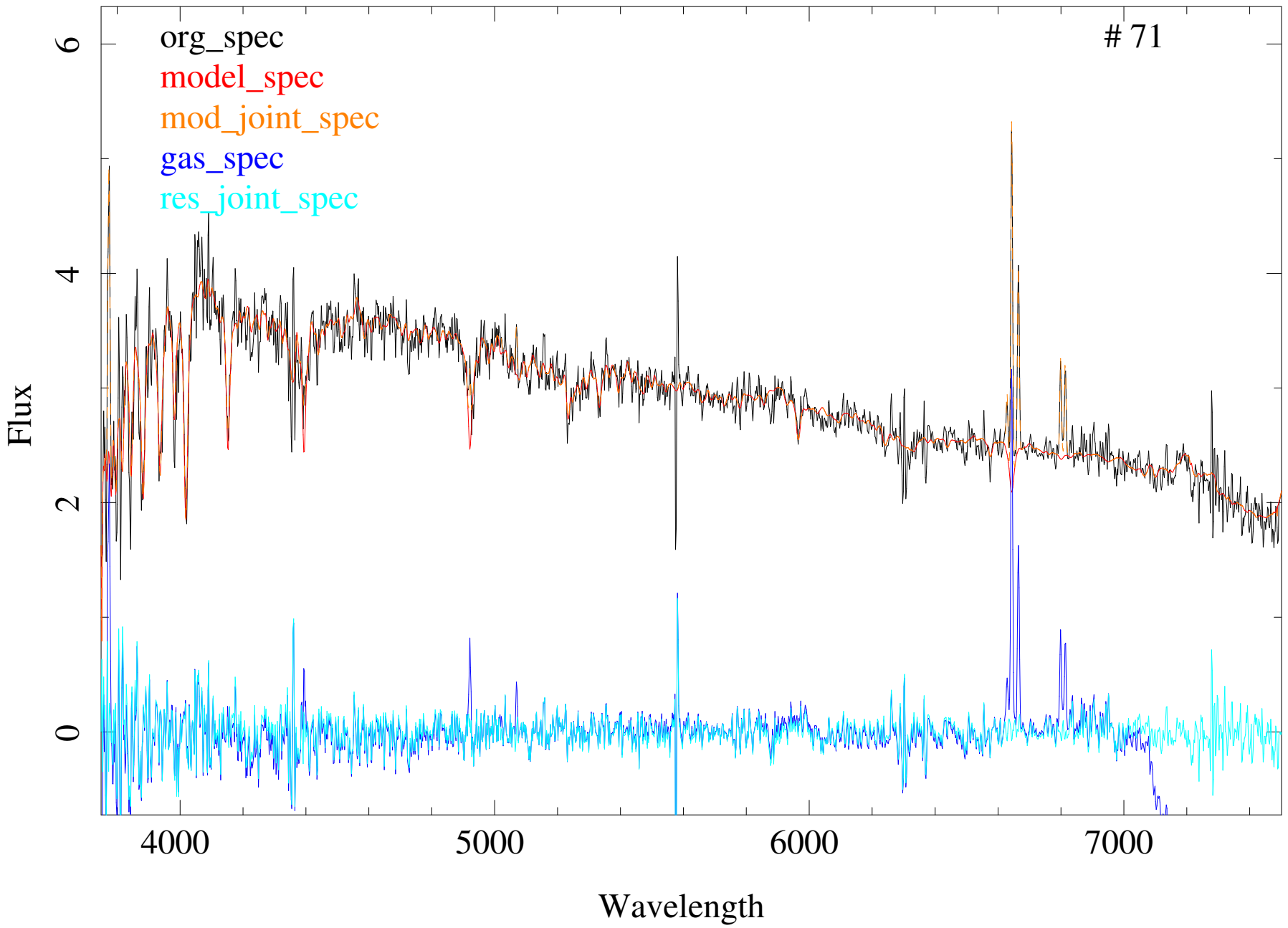

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
66
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

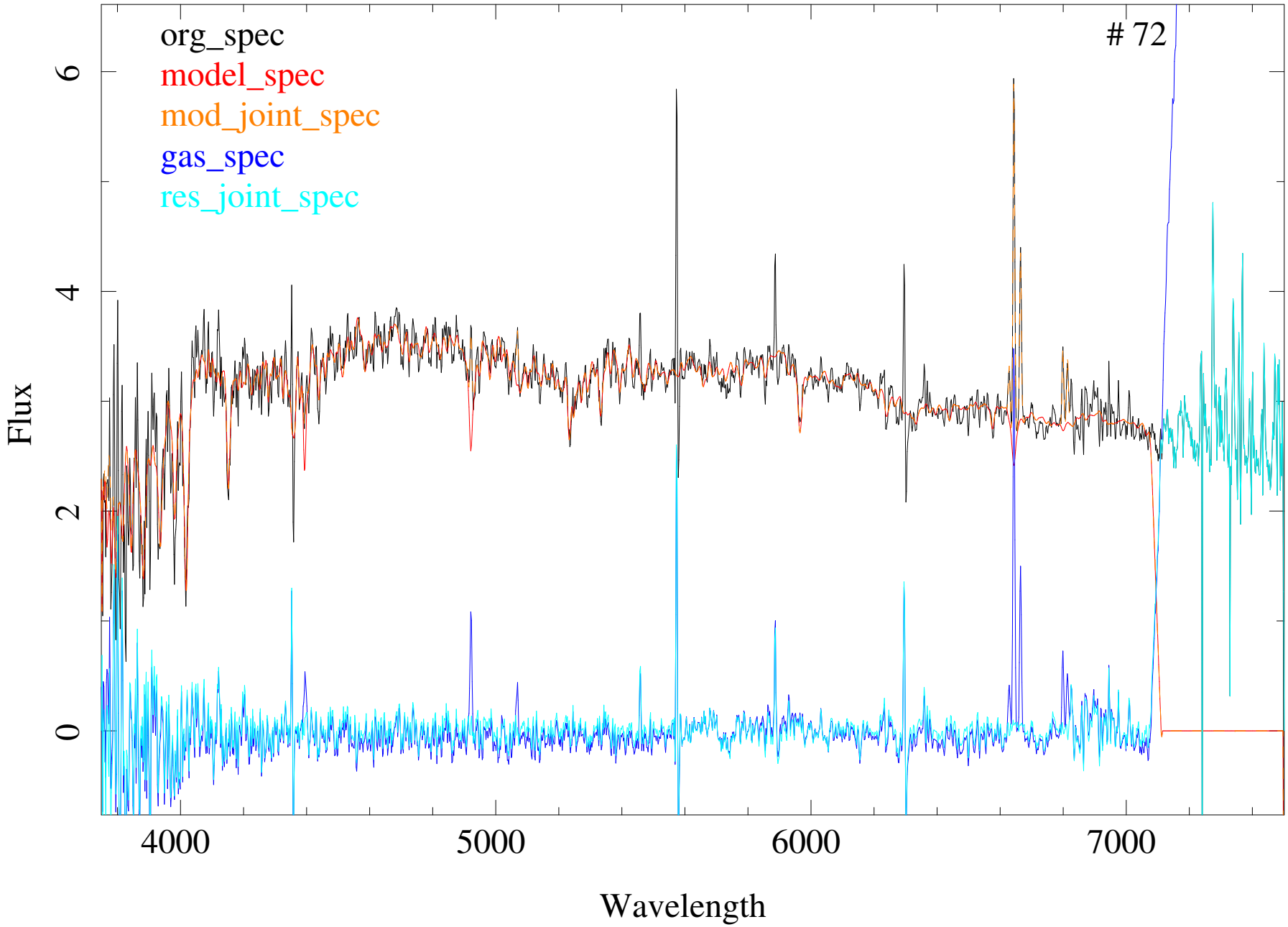

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
67
Flux
0
0.5
1
1.5
4000
5000
6000
7000
Wavelength

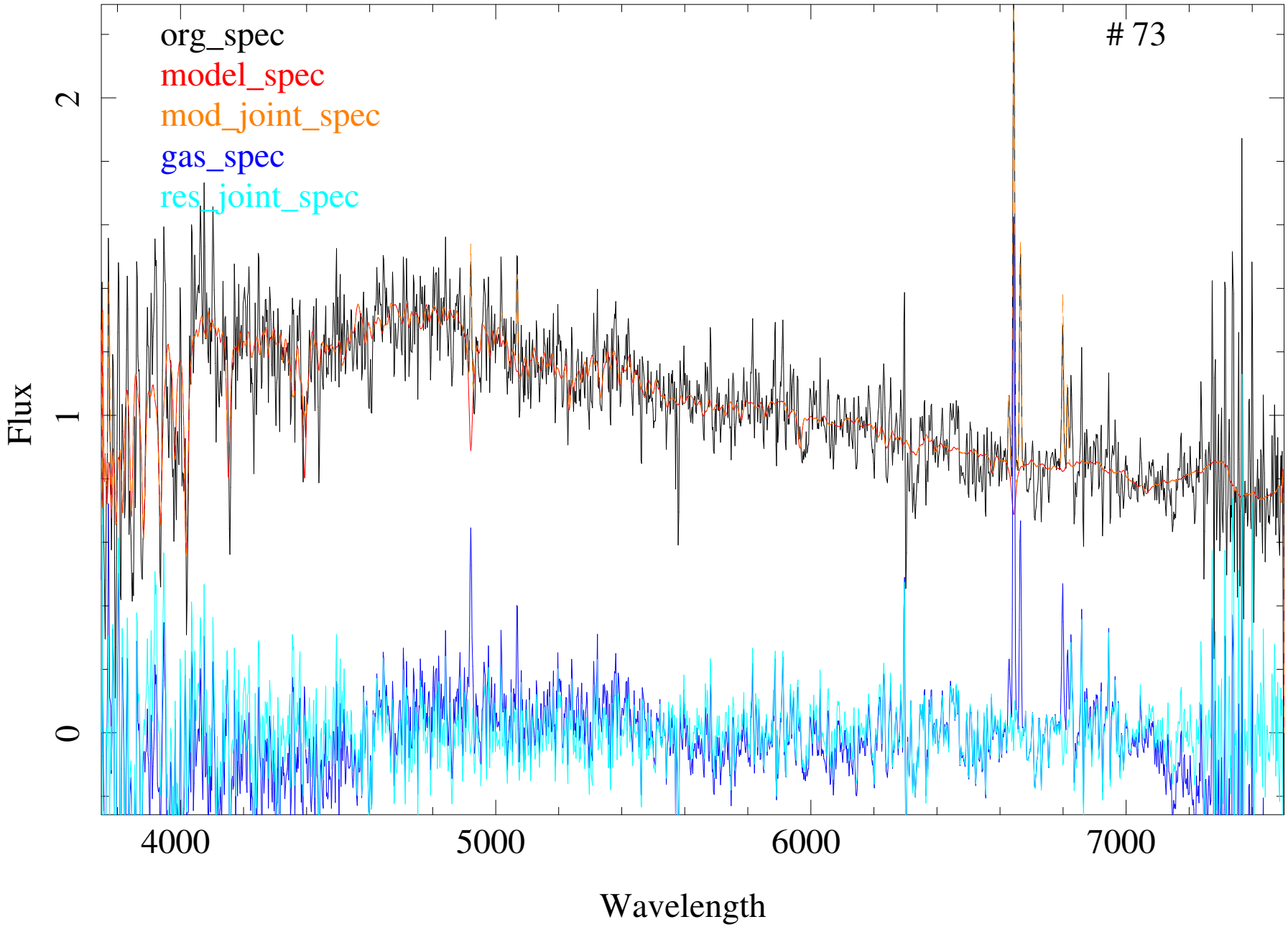

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
68
Flux
0
2
4
4000
5000
6000
7000
Wavelength

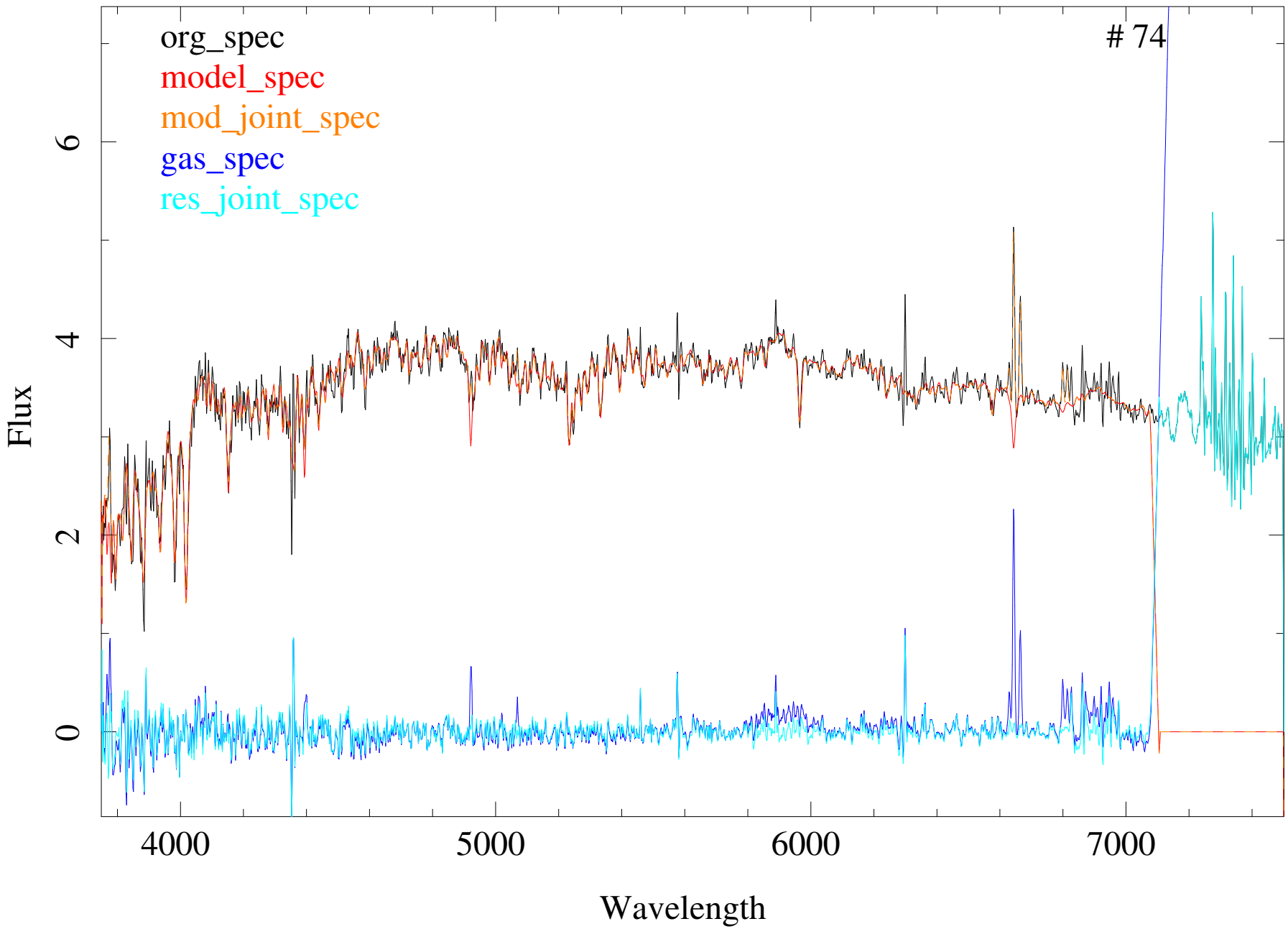

org_spec
model_spec
mod_joint_spec
gas_spec
resi_joint_spec
69
Flux
Wavelength
0
0.5
1
1.5
2
4000
5000
6000
7000

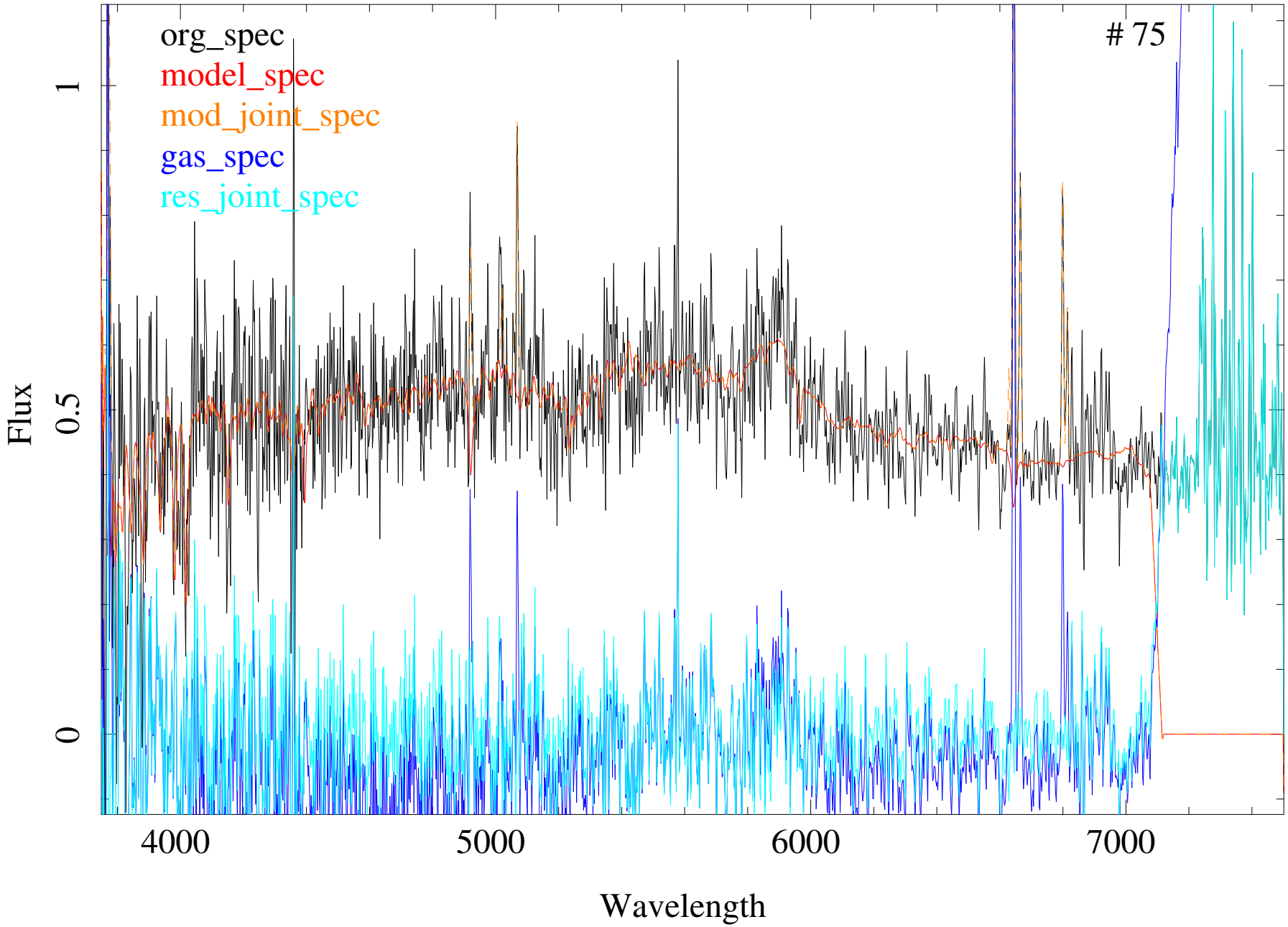

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
70
Flux
0
2
4
4000
5000
6000
7000
Wavelength

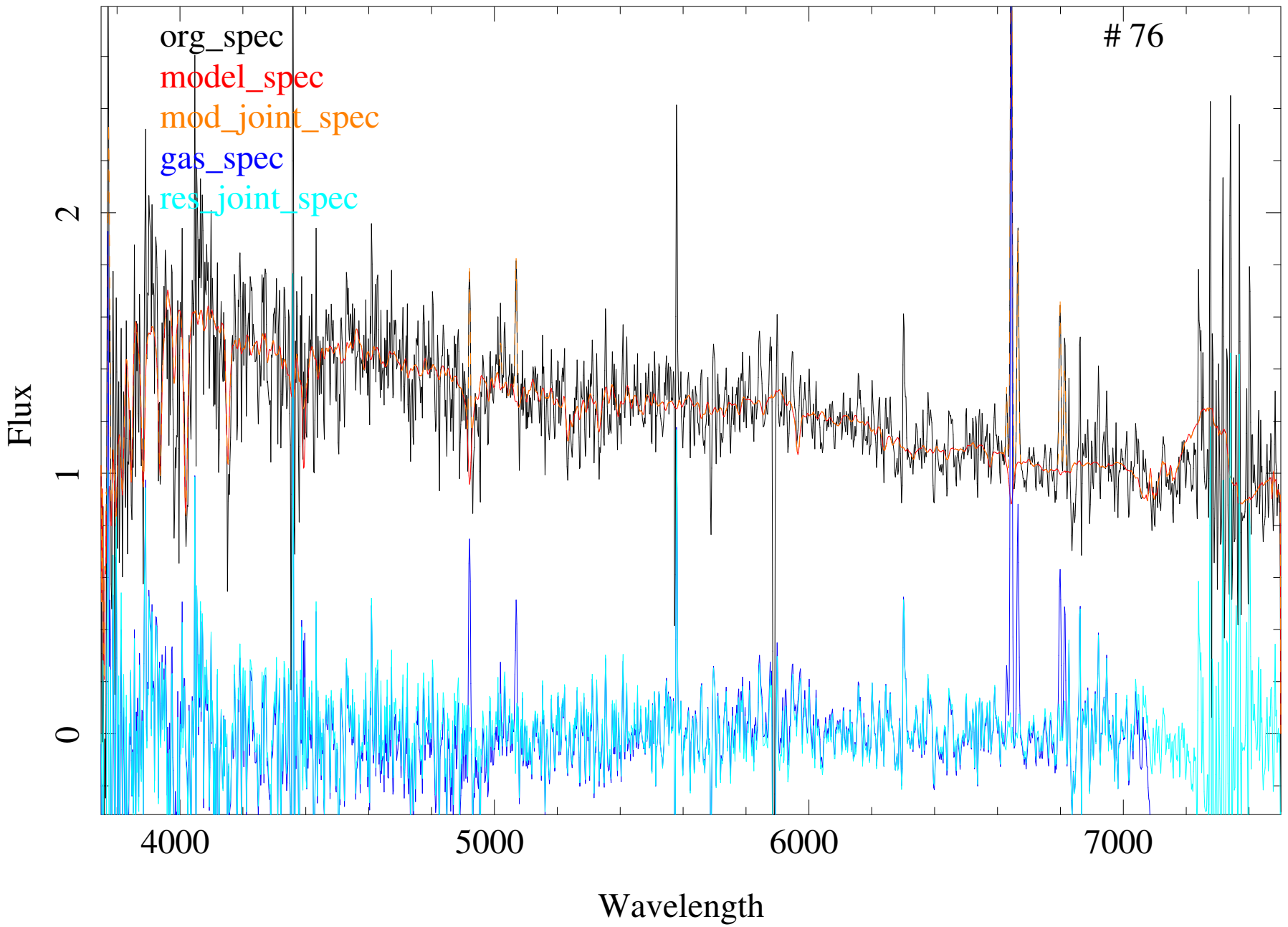

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
71
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

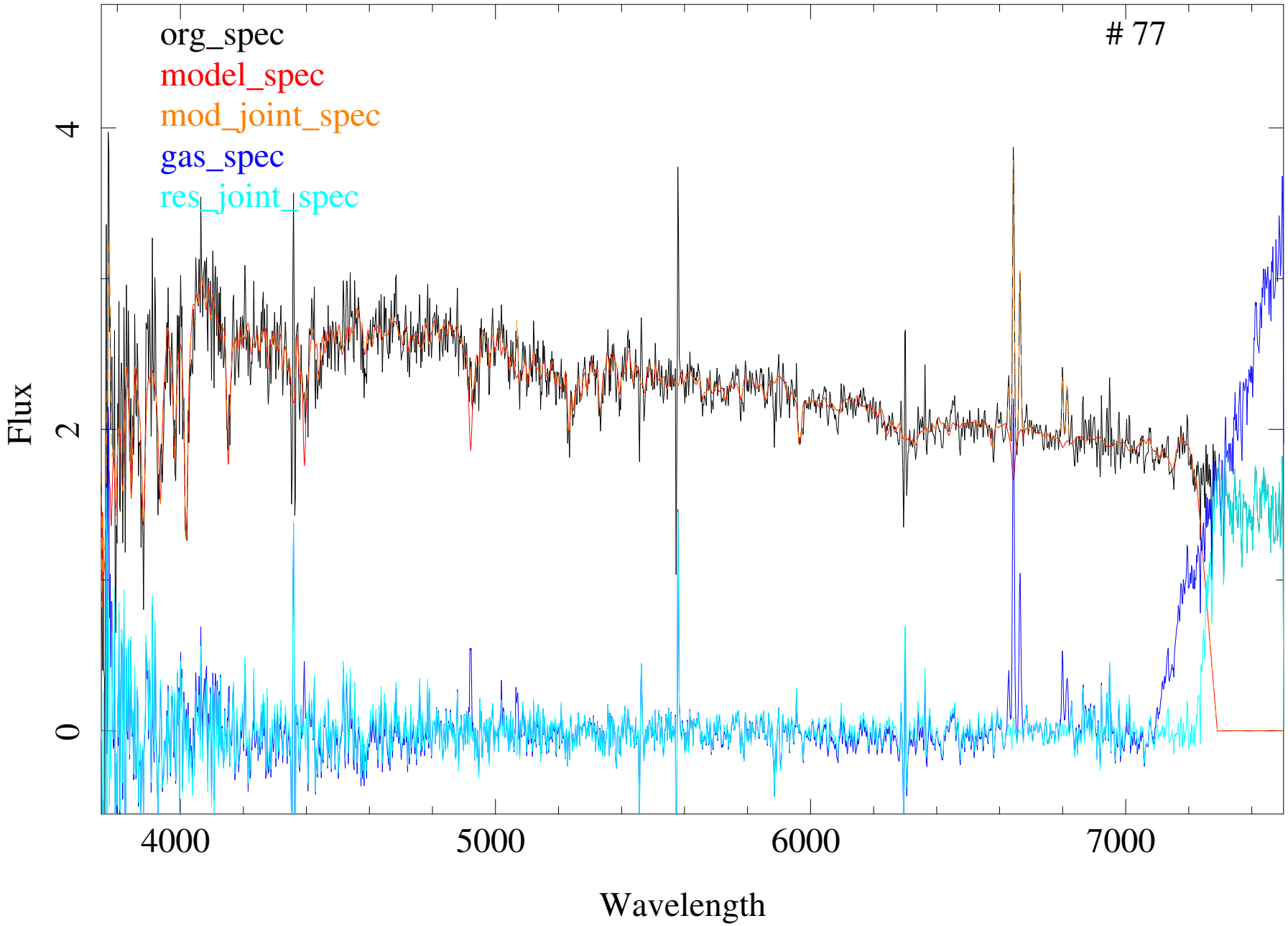

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
72
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

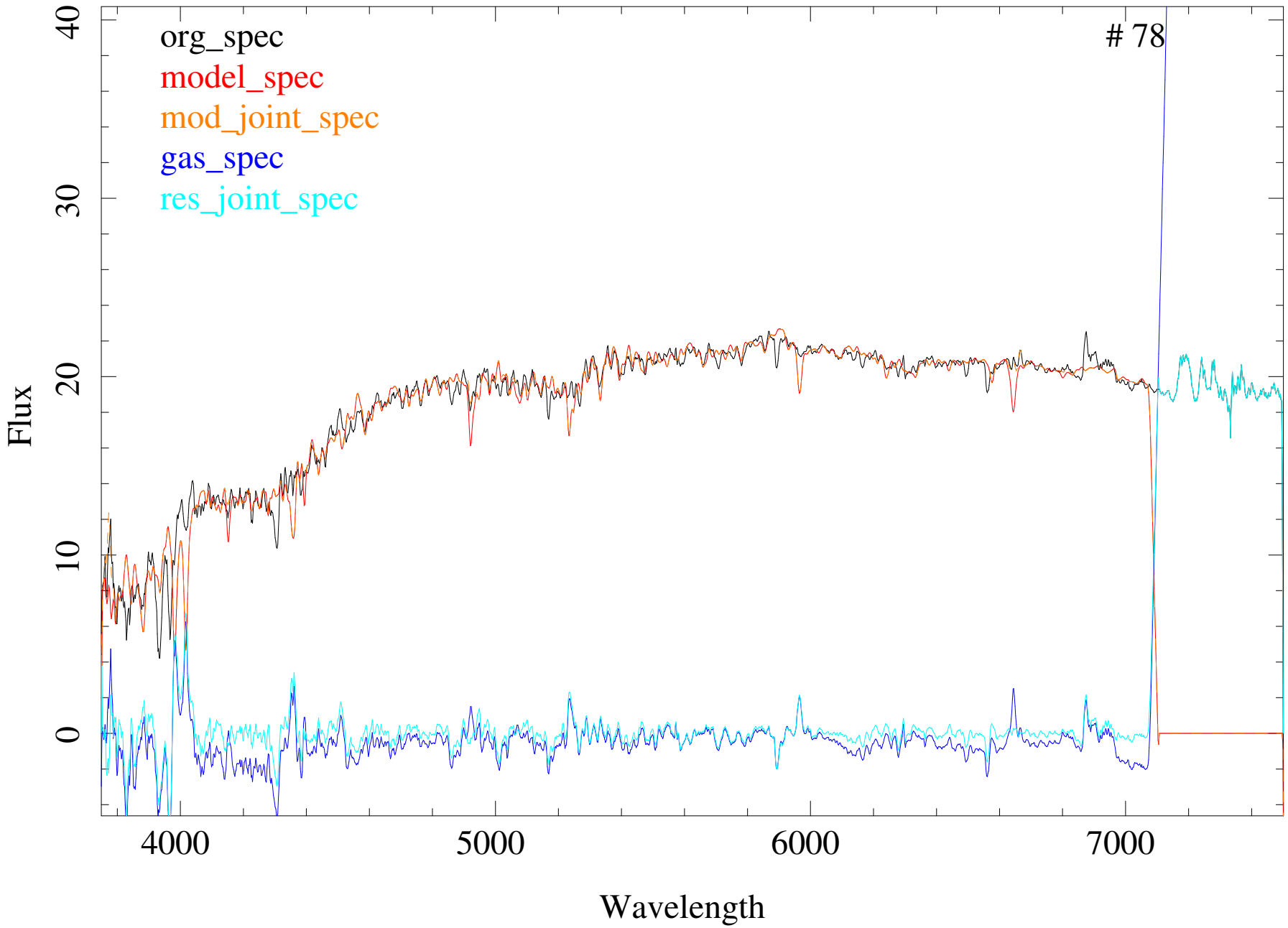

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
73
Flux
0
1
2
4000
5000
6000
7000
Wavelength

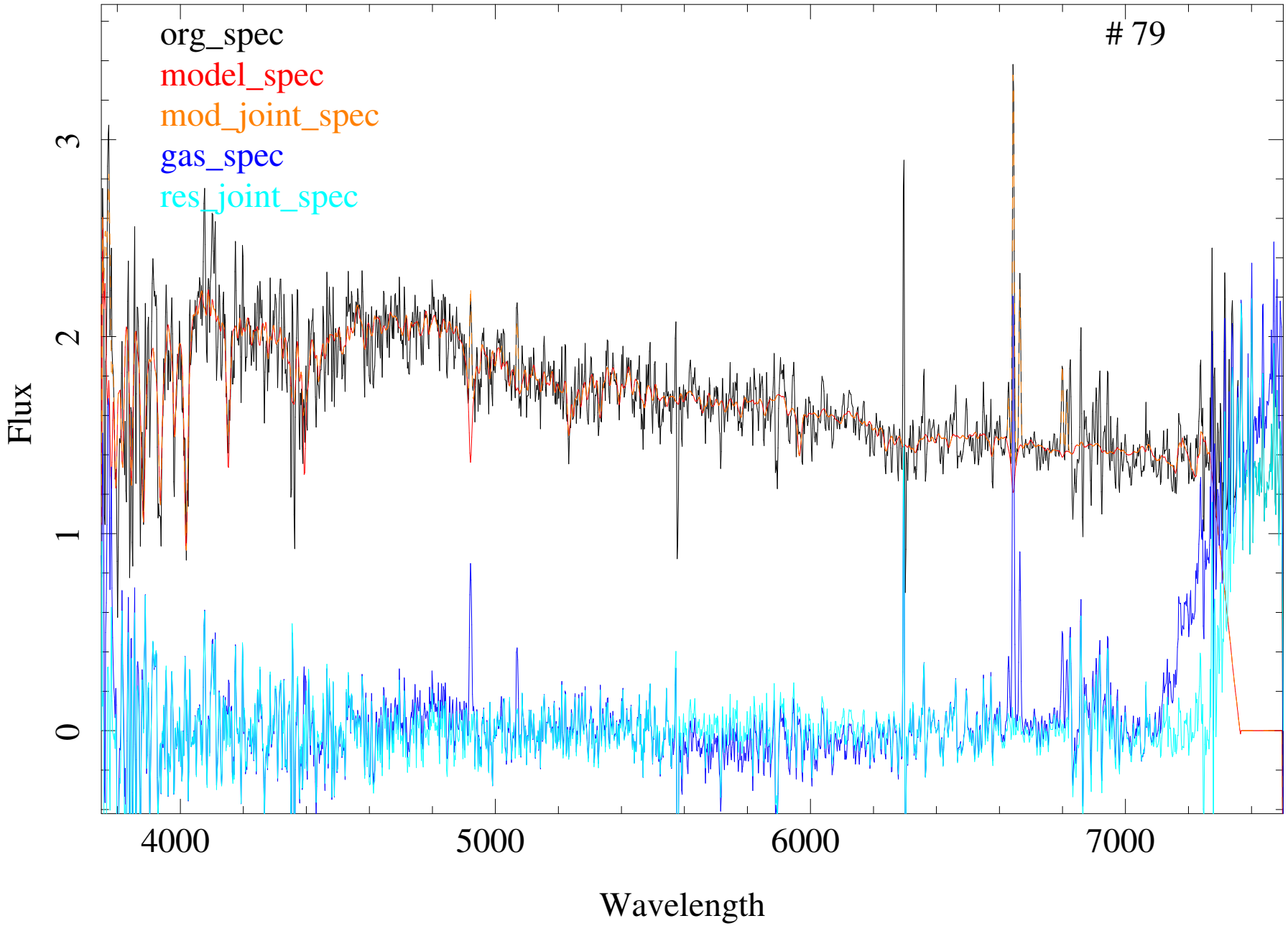

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
74
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

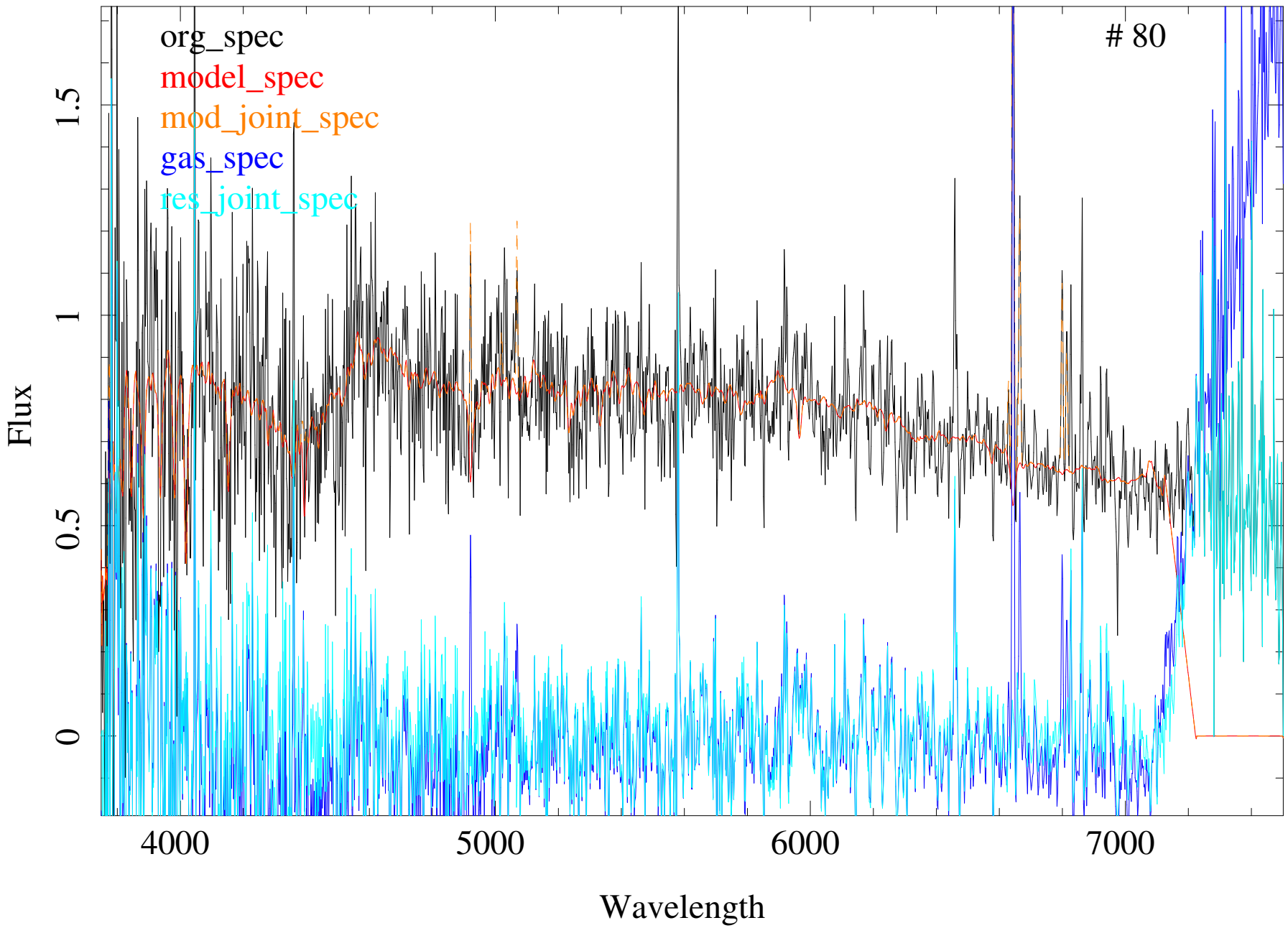

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
75
Flux
0
0.5
1
4000
5000
6000
7000
Wavelength

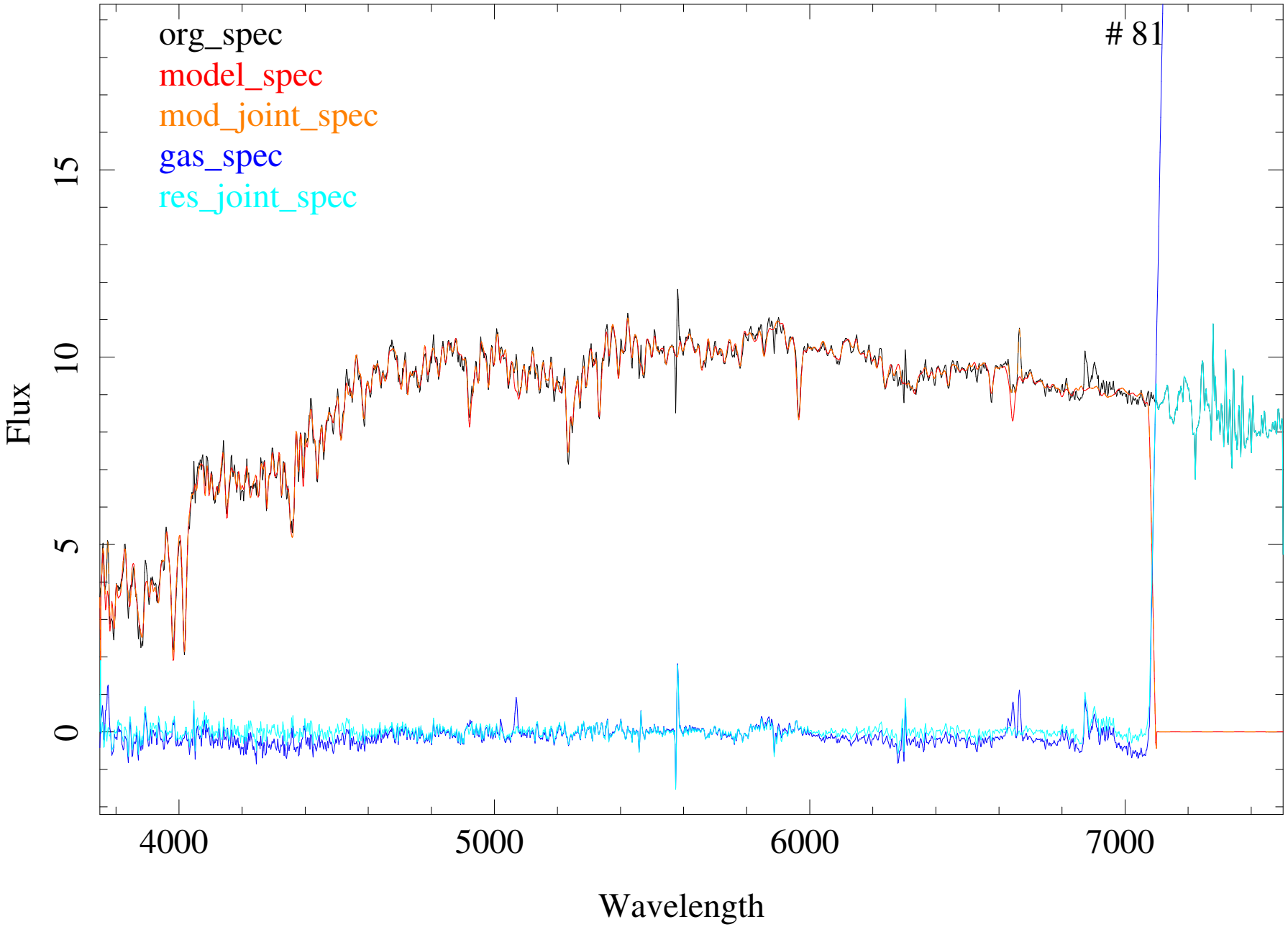

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
76
Flux
0
1
2
4000
5000
6000
7000
Wavelength

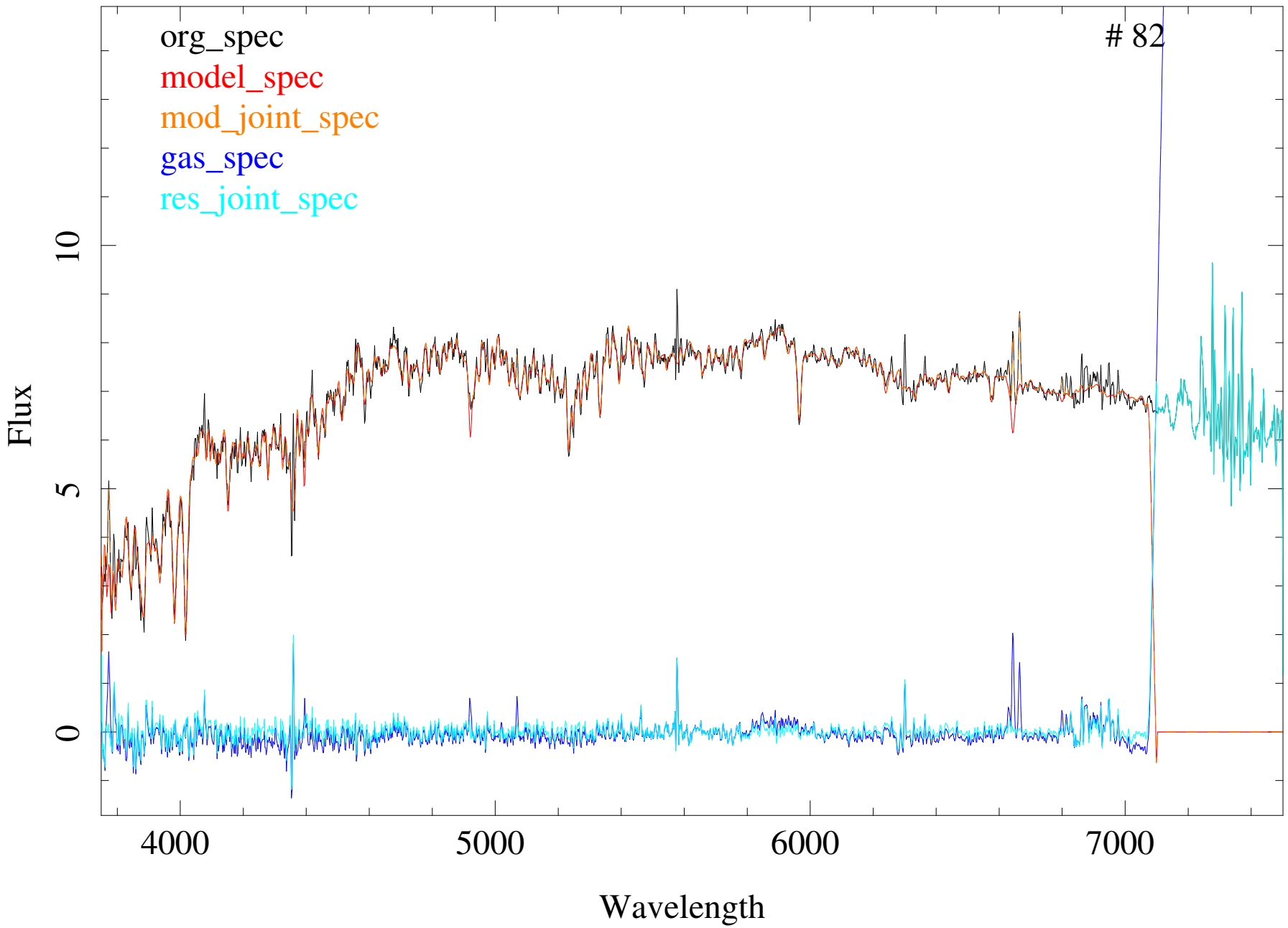

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
77
Flux
0
2
4
4000
5000
6000
7000
Wavelength

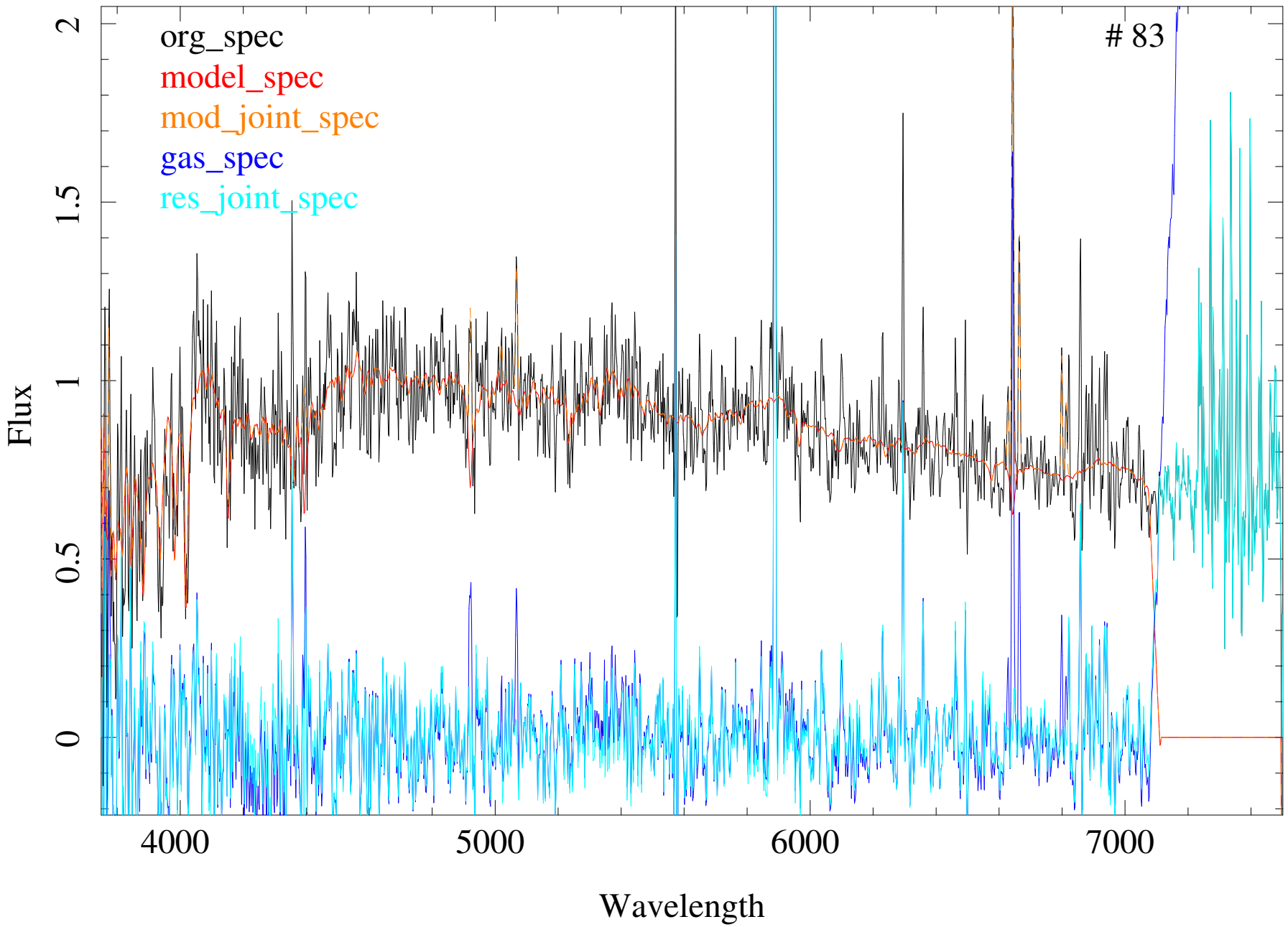

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
78
Flux
0
10
20
30
40
4000
5000
6000
7000
Wavelength

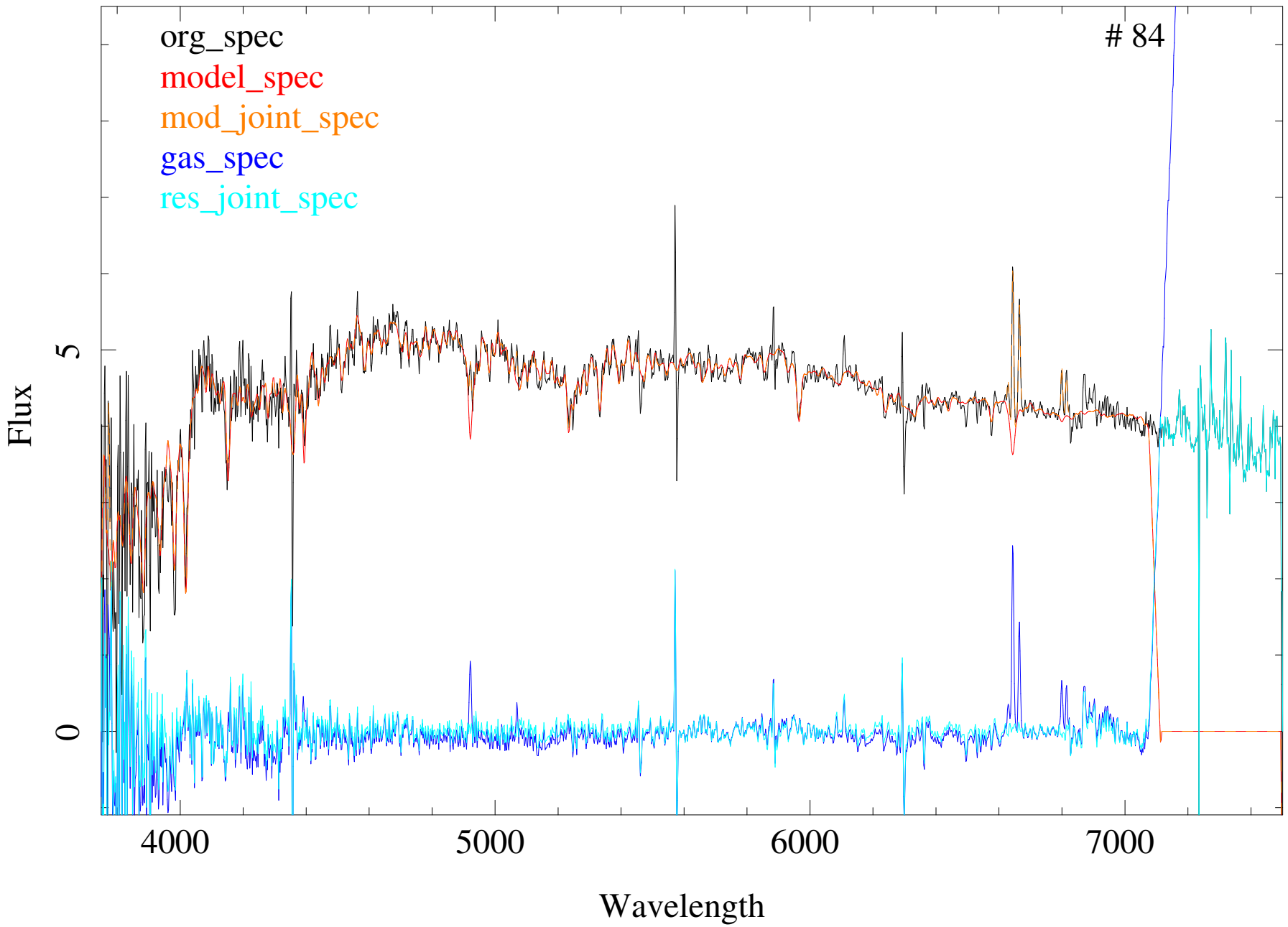

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
79
Flux
0
1
2
3
4000
5000
6000
7000
Wavelength

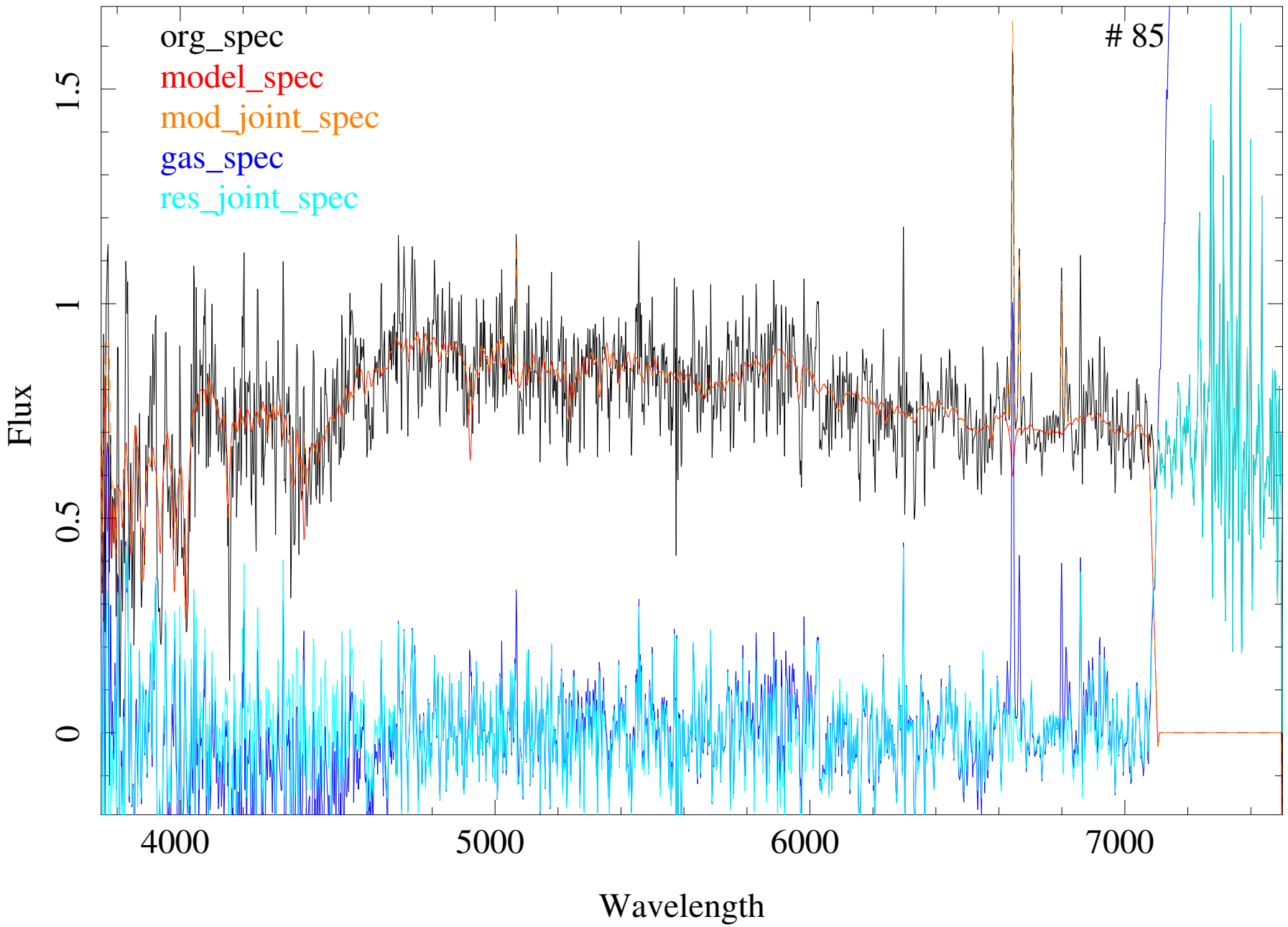

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
80
Flux
0
0.5
1
1.5
4000
5000
6000
7000
Wavelength

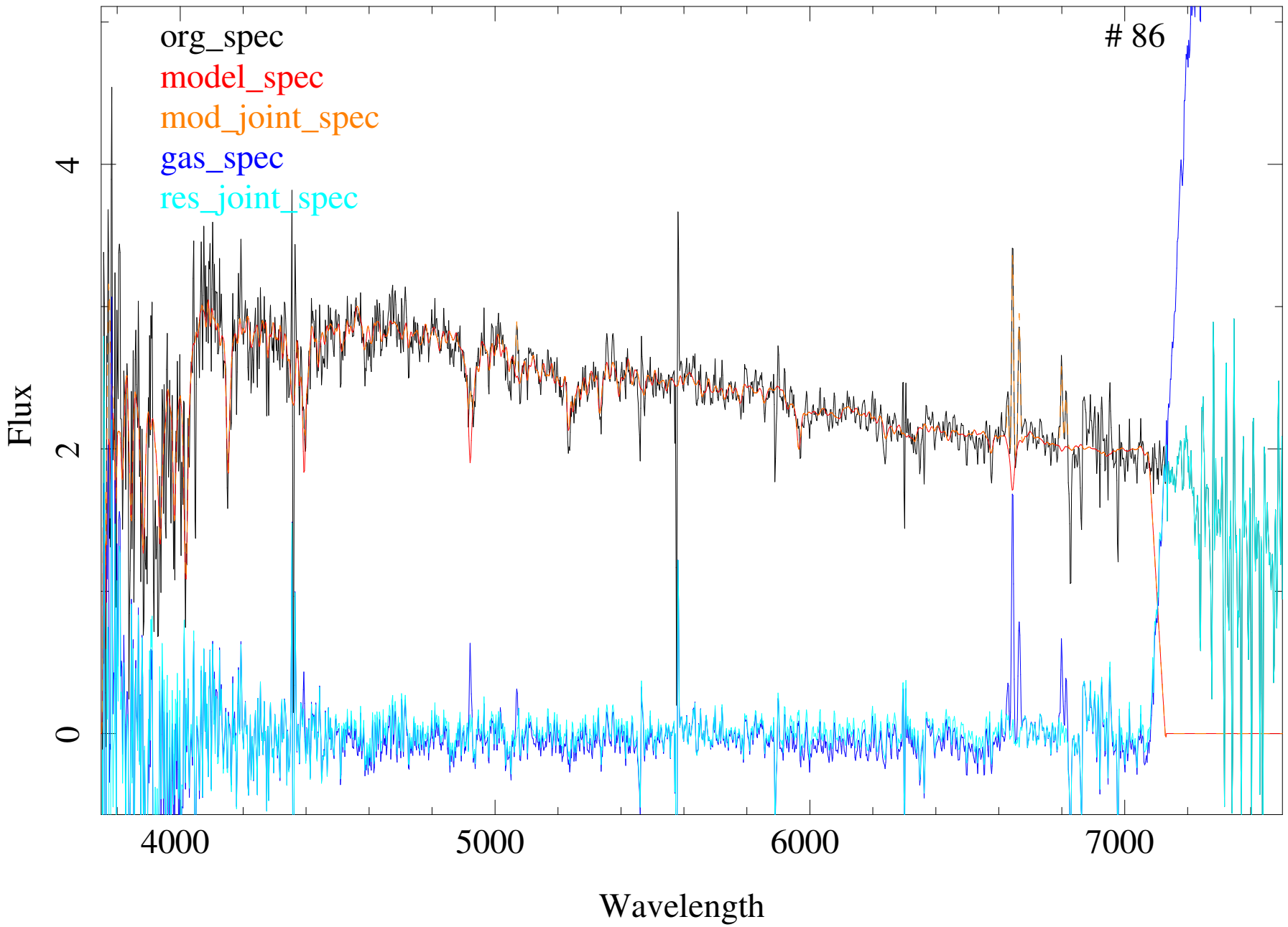

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
81
Flux
0
5
10
15
4000
5000
6000
7000
Wavelength

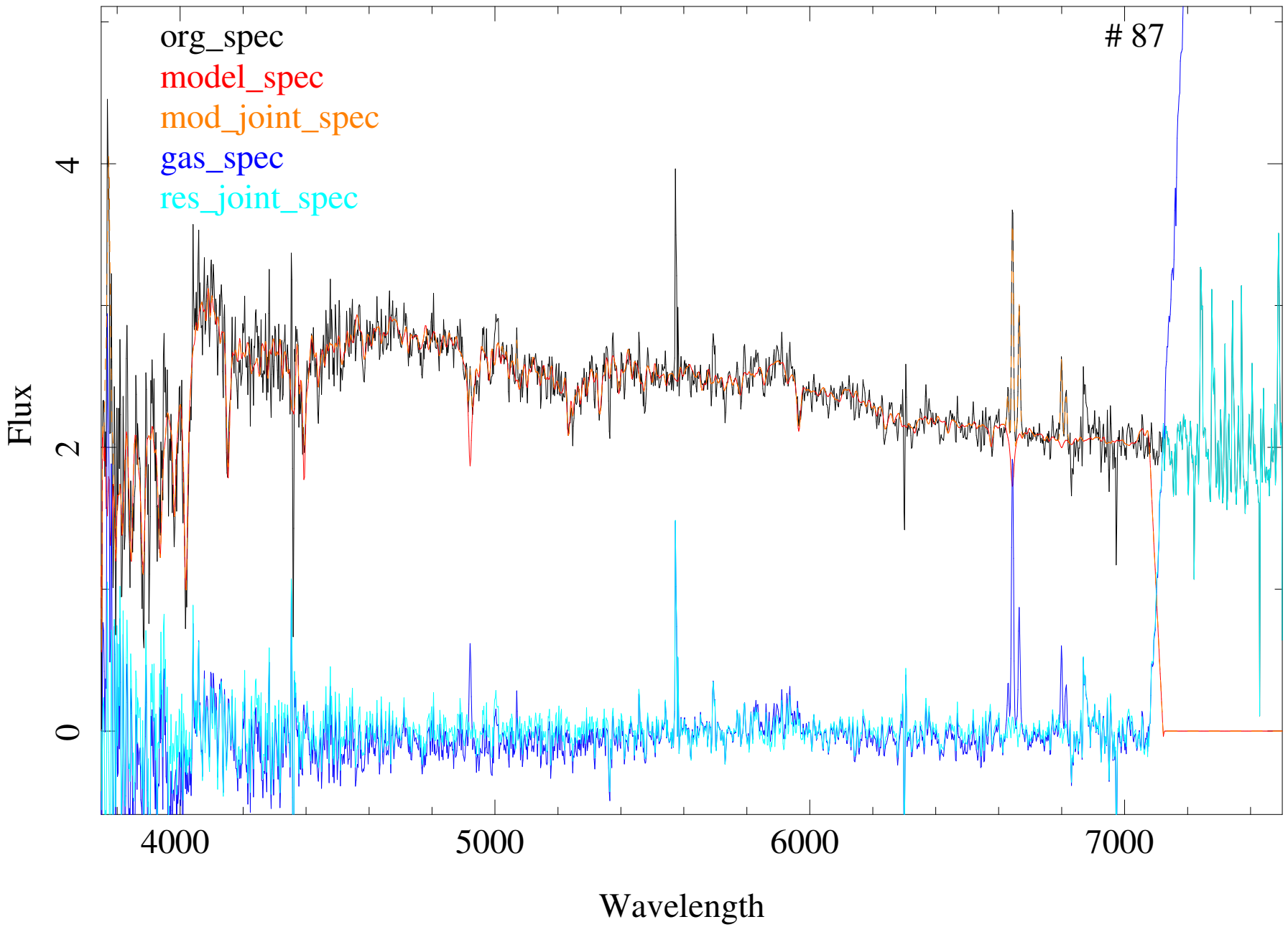

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
82
Flux
0
5
10
4000
5000
6000
7000
Wavelength

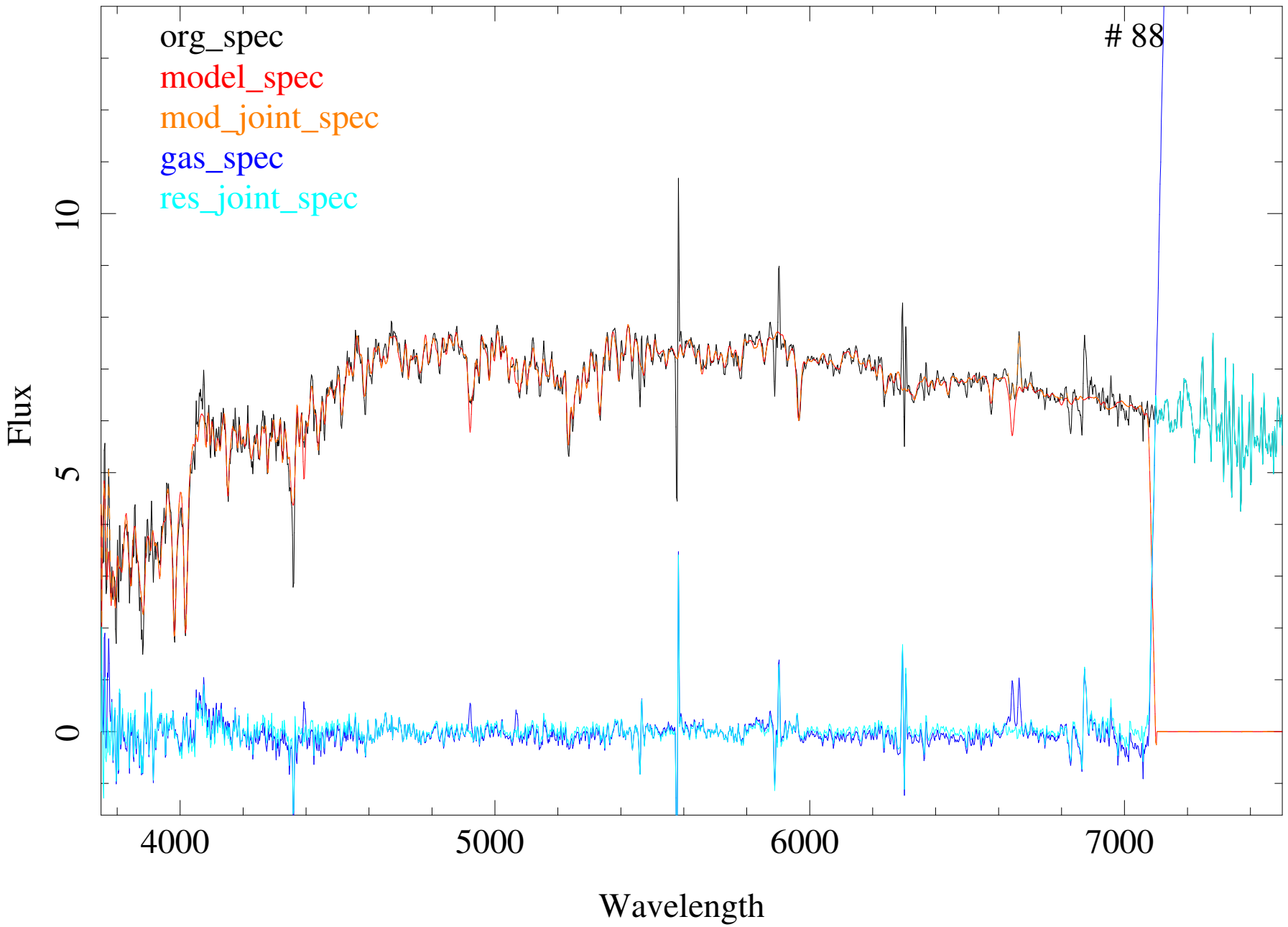

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
83
Flux
Wavelength
0
0.5
1
1.5
2
4000
5000
6000
7000

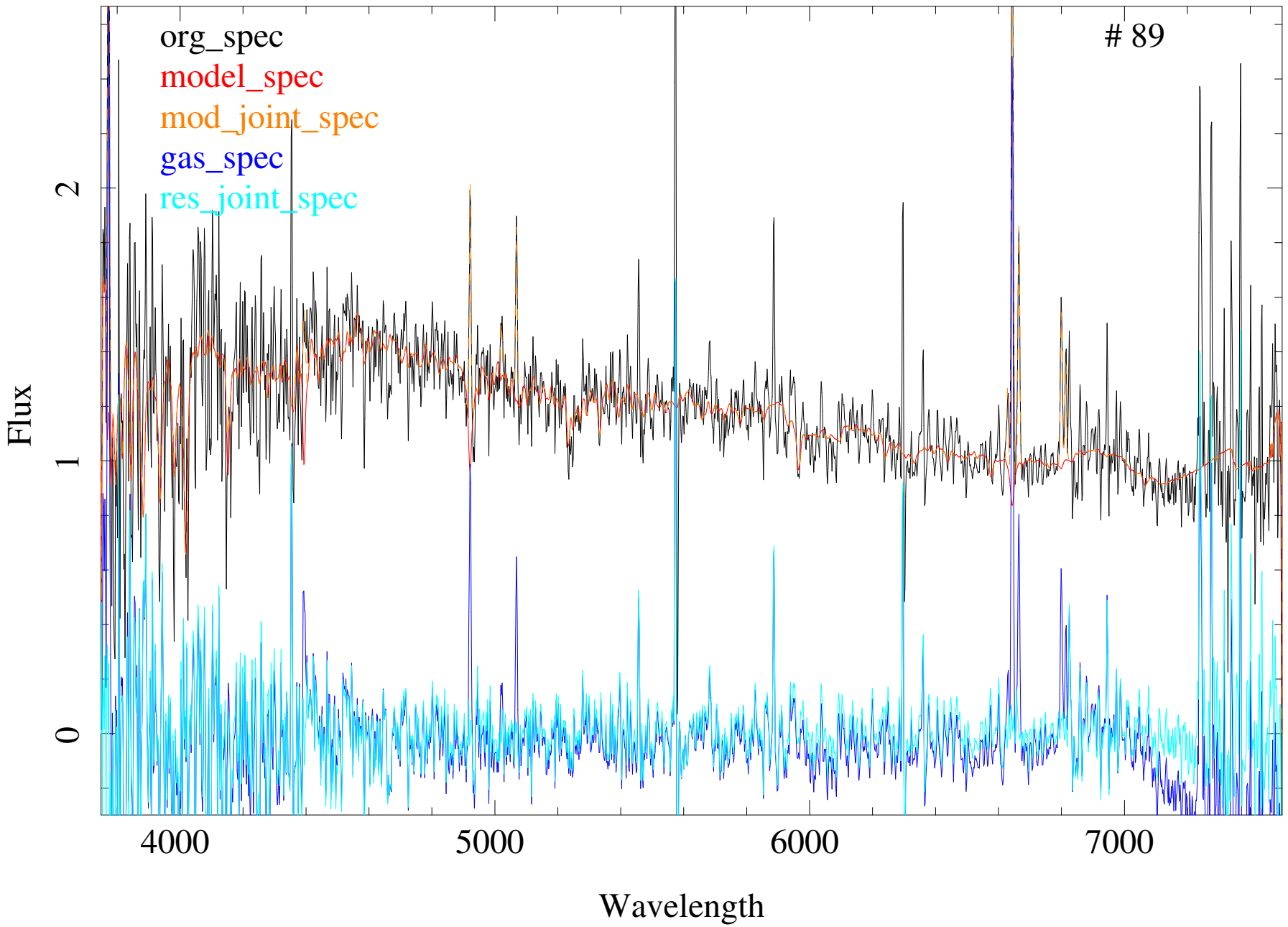

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
84
Flux
0
5
4000
5000
6000
7000
Wavelength

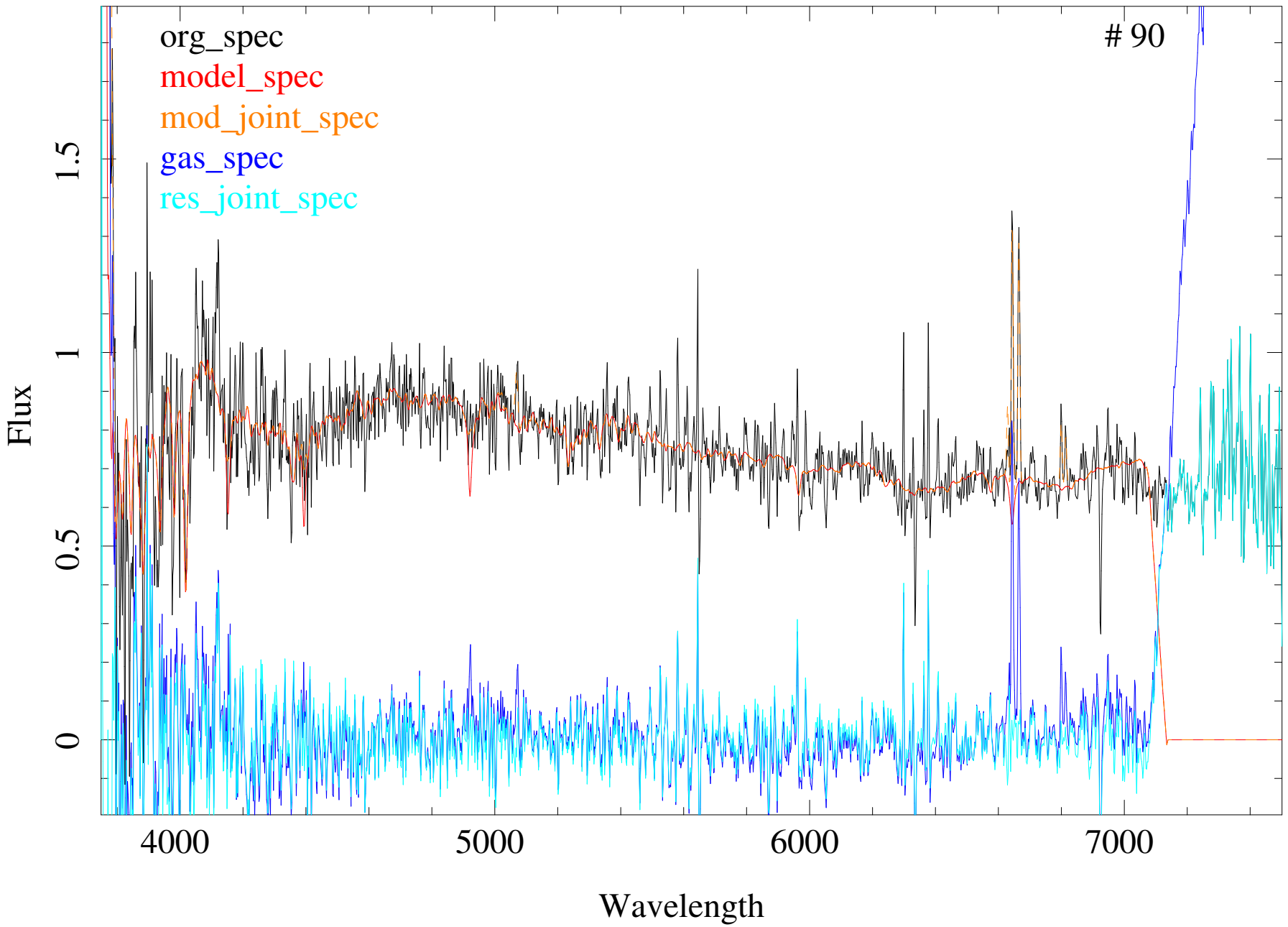

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
85
Flux
0
0.5
1
1.5
4000
5000
6000
7000
Wavelength

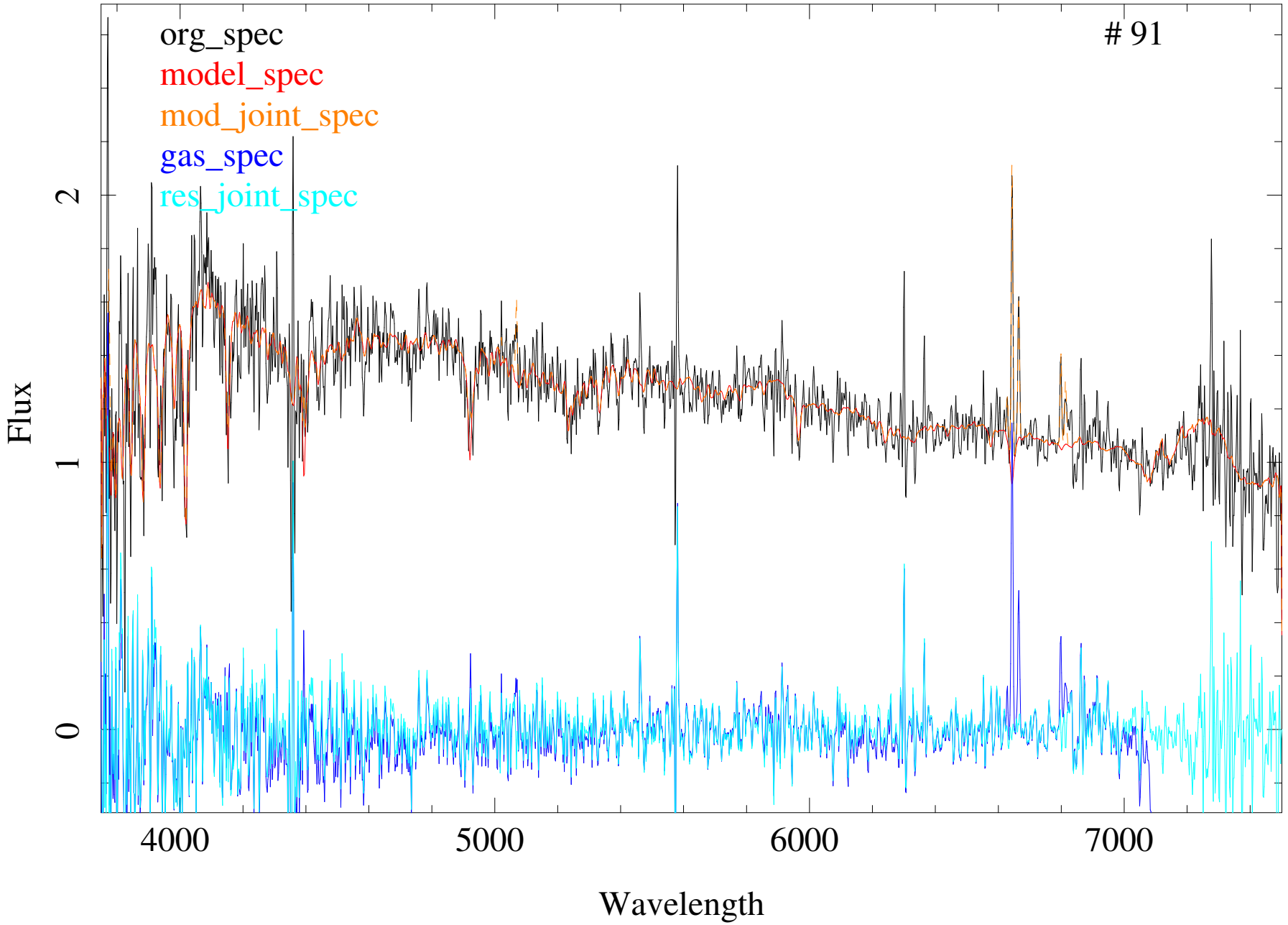

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
86
Flux
0
2
4
4000
5000
6000
7000
Wavelength

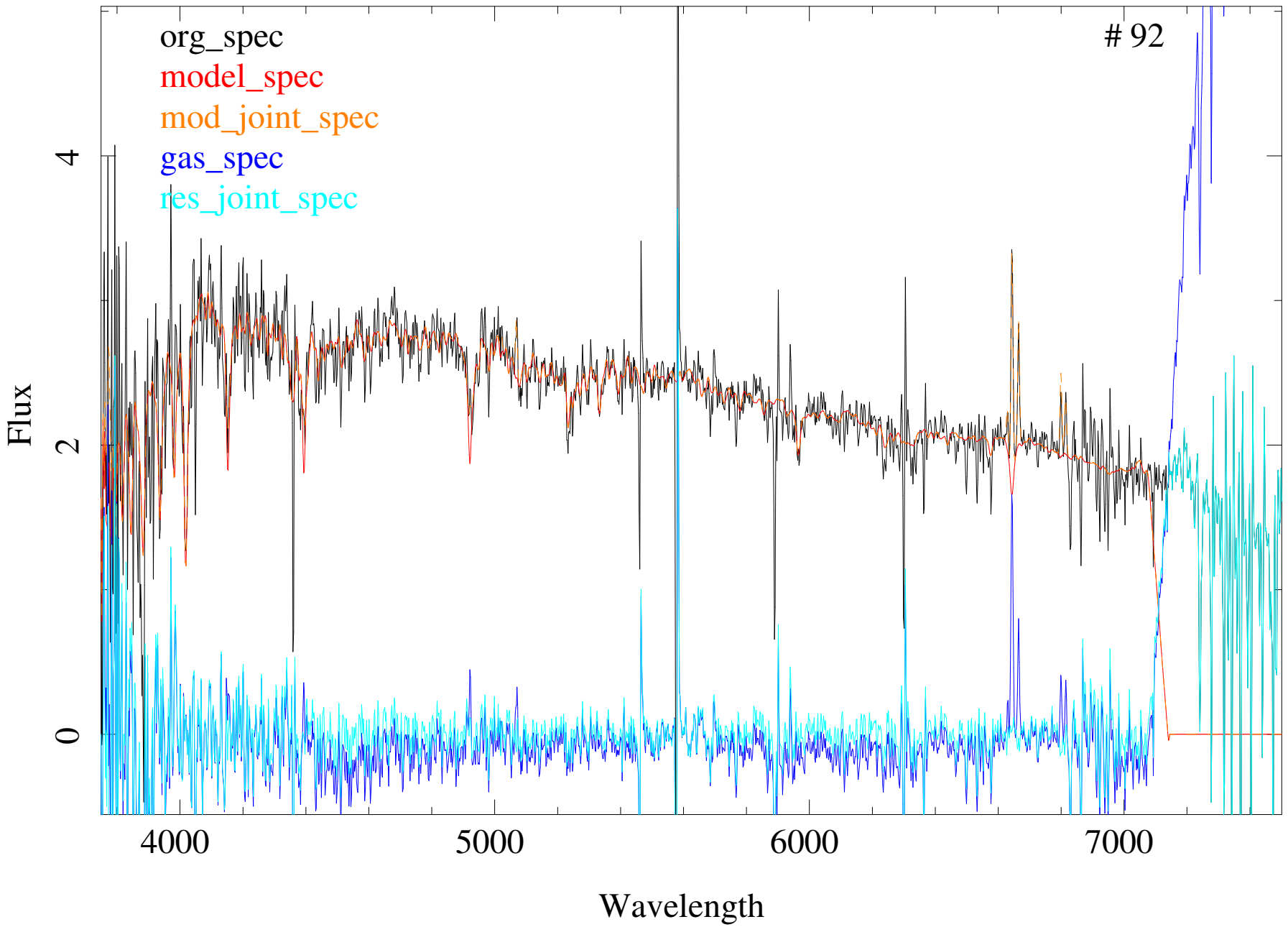

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
87
Flux
0
2
4
4000
5000
6000
7000
Wavelength

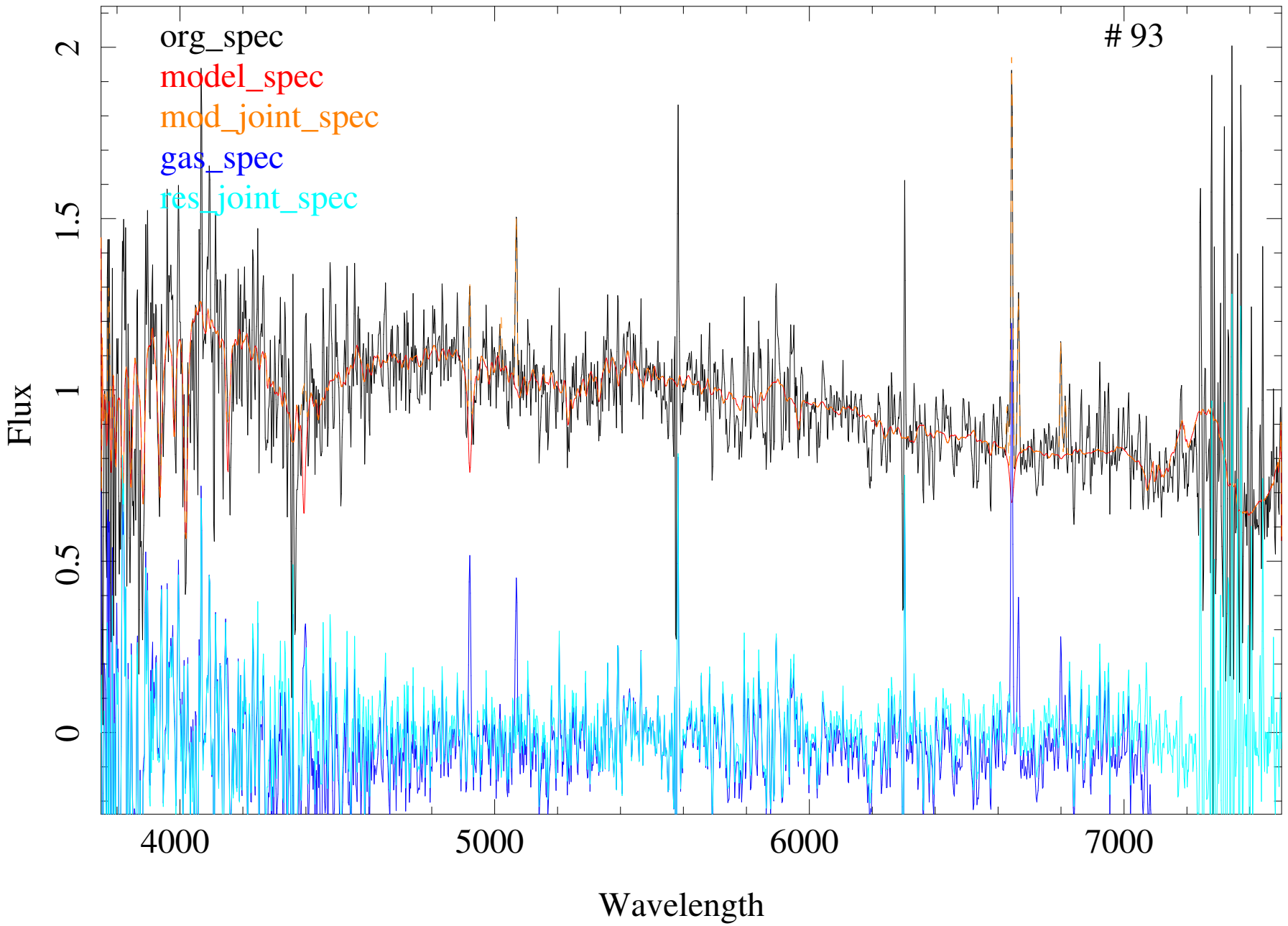

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
88
Flux
0
5
10
4000
5000
6000
7000
Wavelength

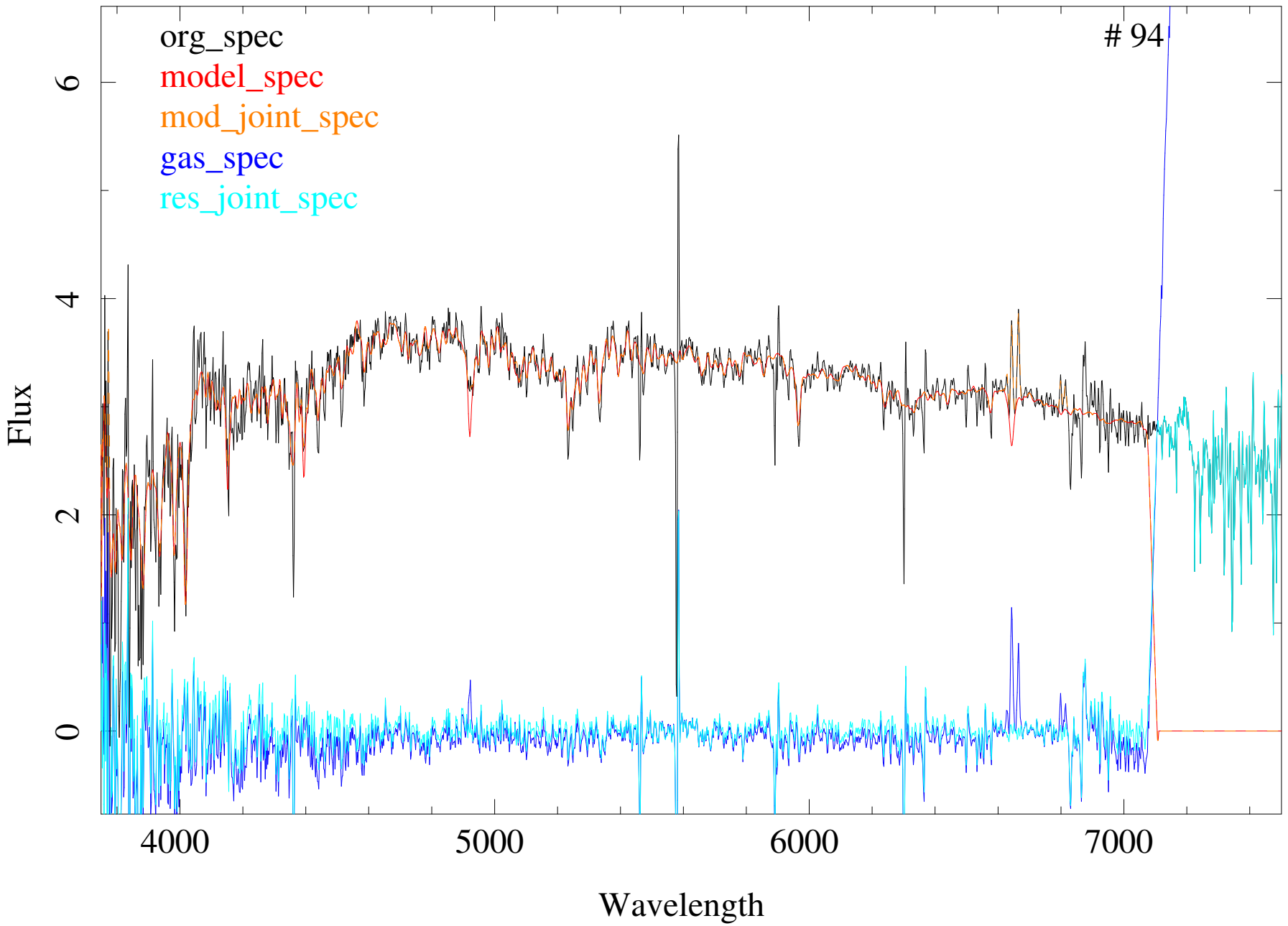

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
89
Flux
0
1
2
4000
5000
6000
7000
Wavelength

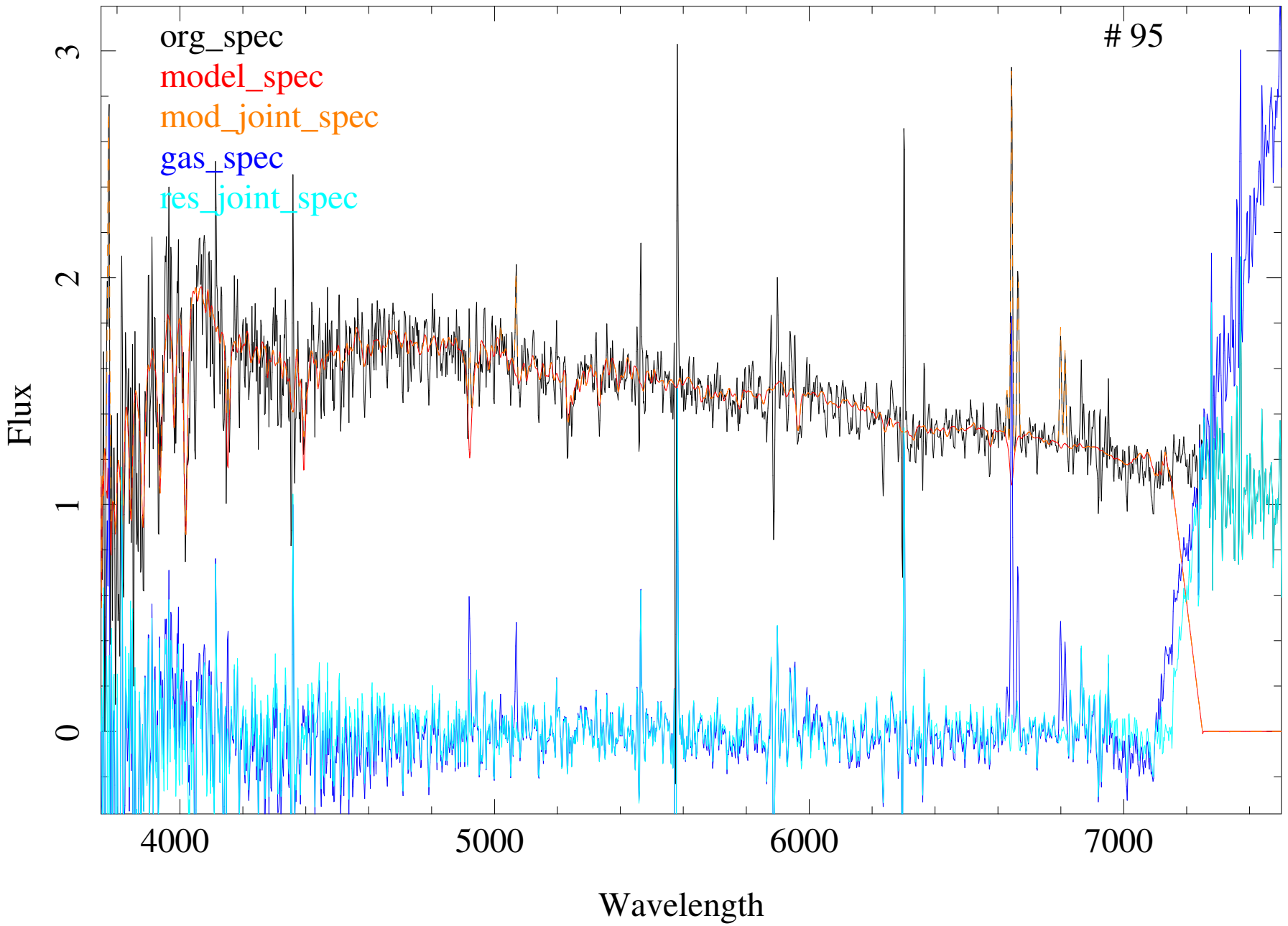

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
90
Flux
0
0.5
1
1.5
4000
5000
6000
7000
Wavelength

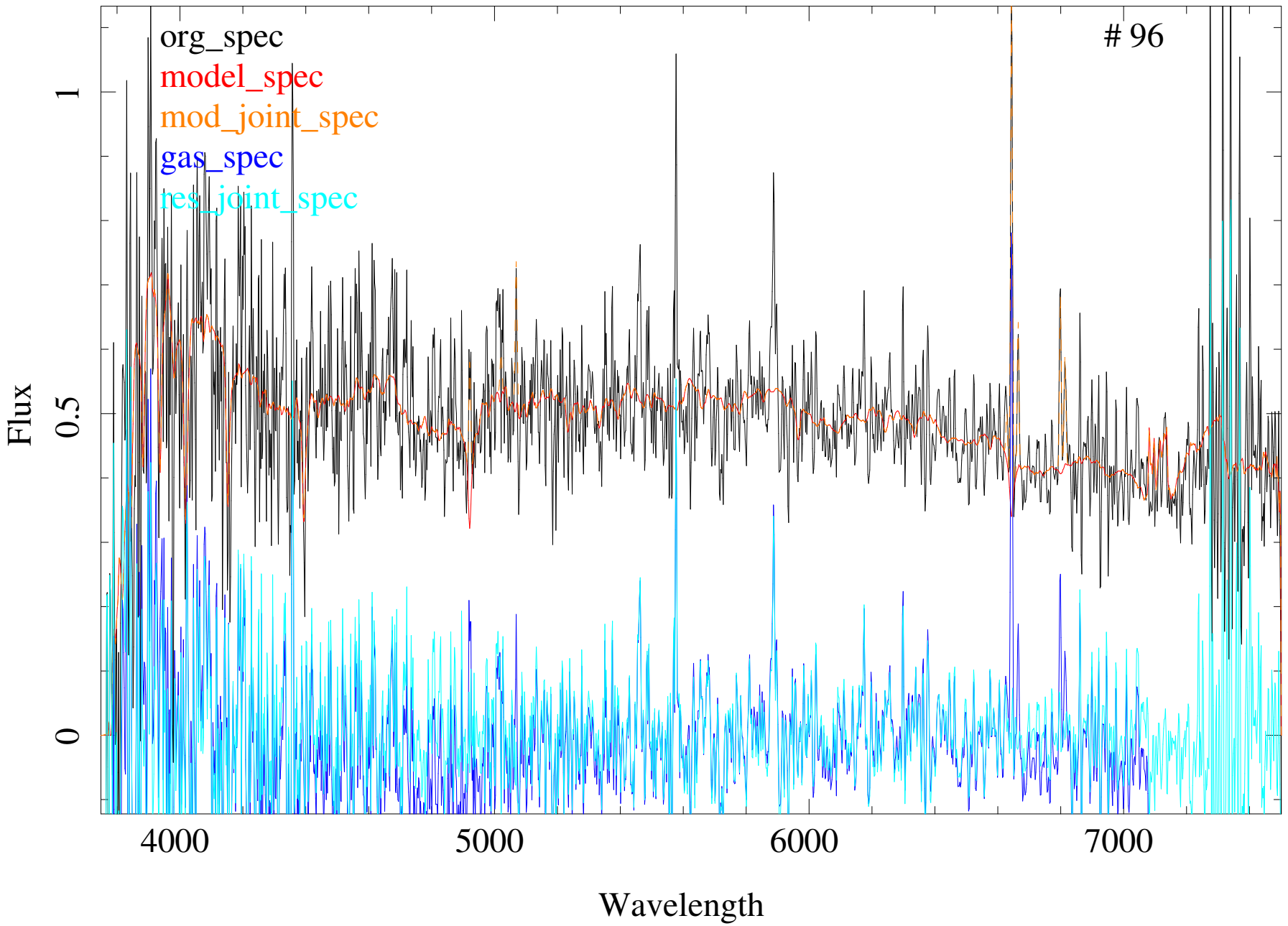

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
91
Flux
0
1
2
4000
5000
6000
7000
Wavelength

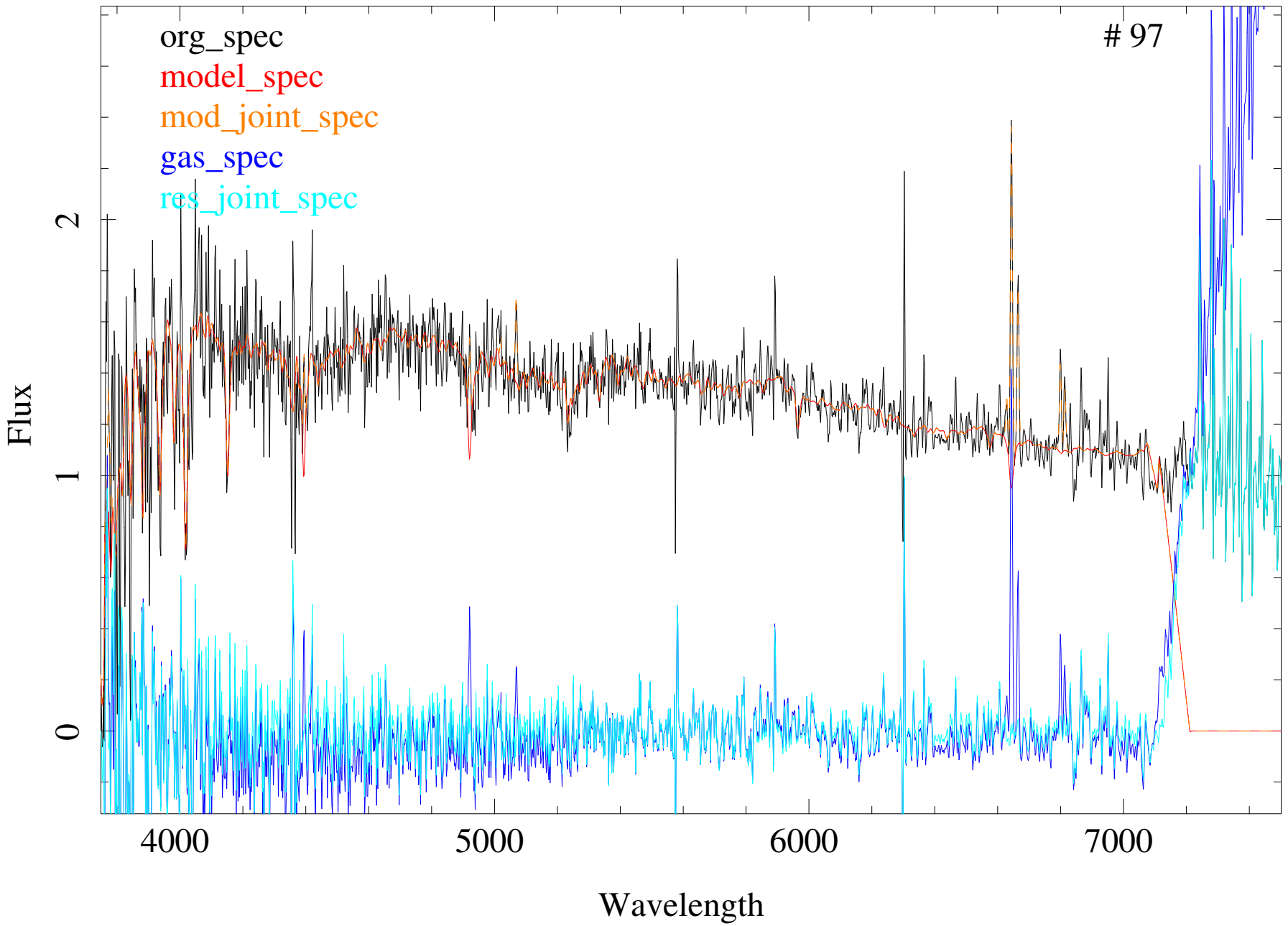

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
92
Flux
0
2
4
4000
5000
6000
7000
Wavelength

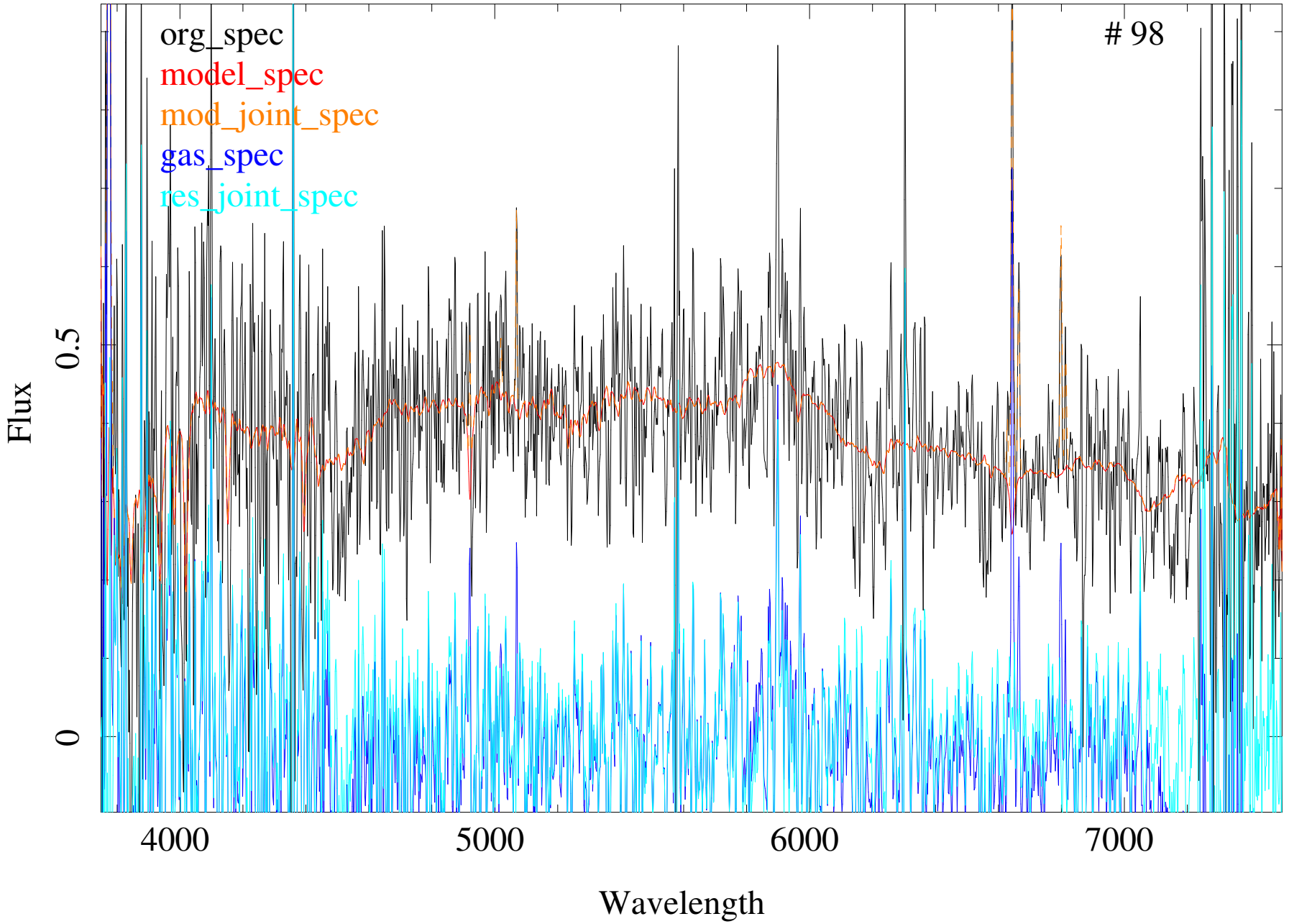

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
93
Flux
0
0.5
1
1.5
2
4000
5000
6000
7000
Wavelength

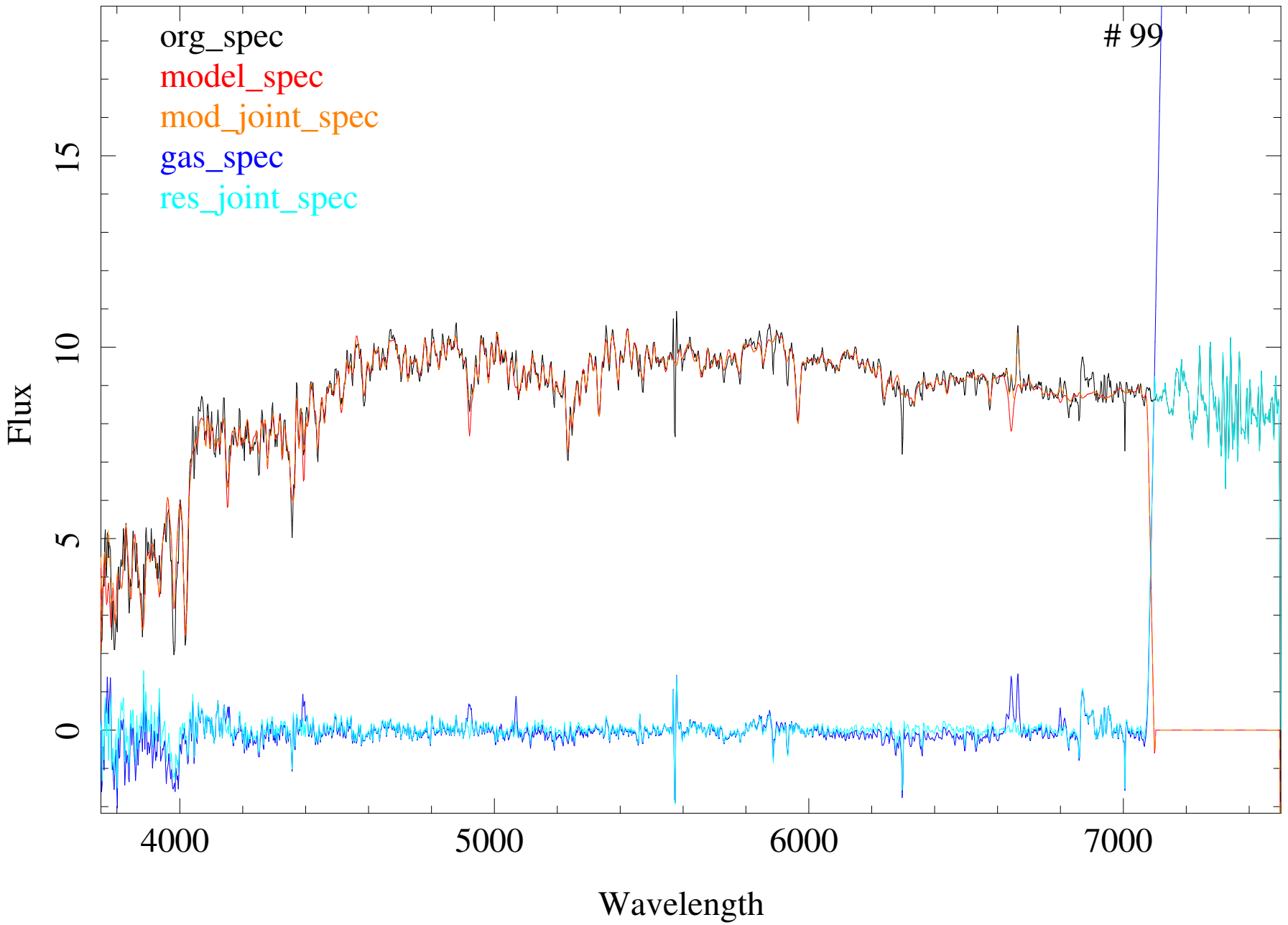

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
94
Flux
0
2
4
6
4000
5000
6000
7000
Wavelength

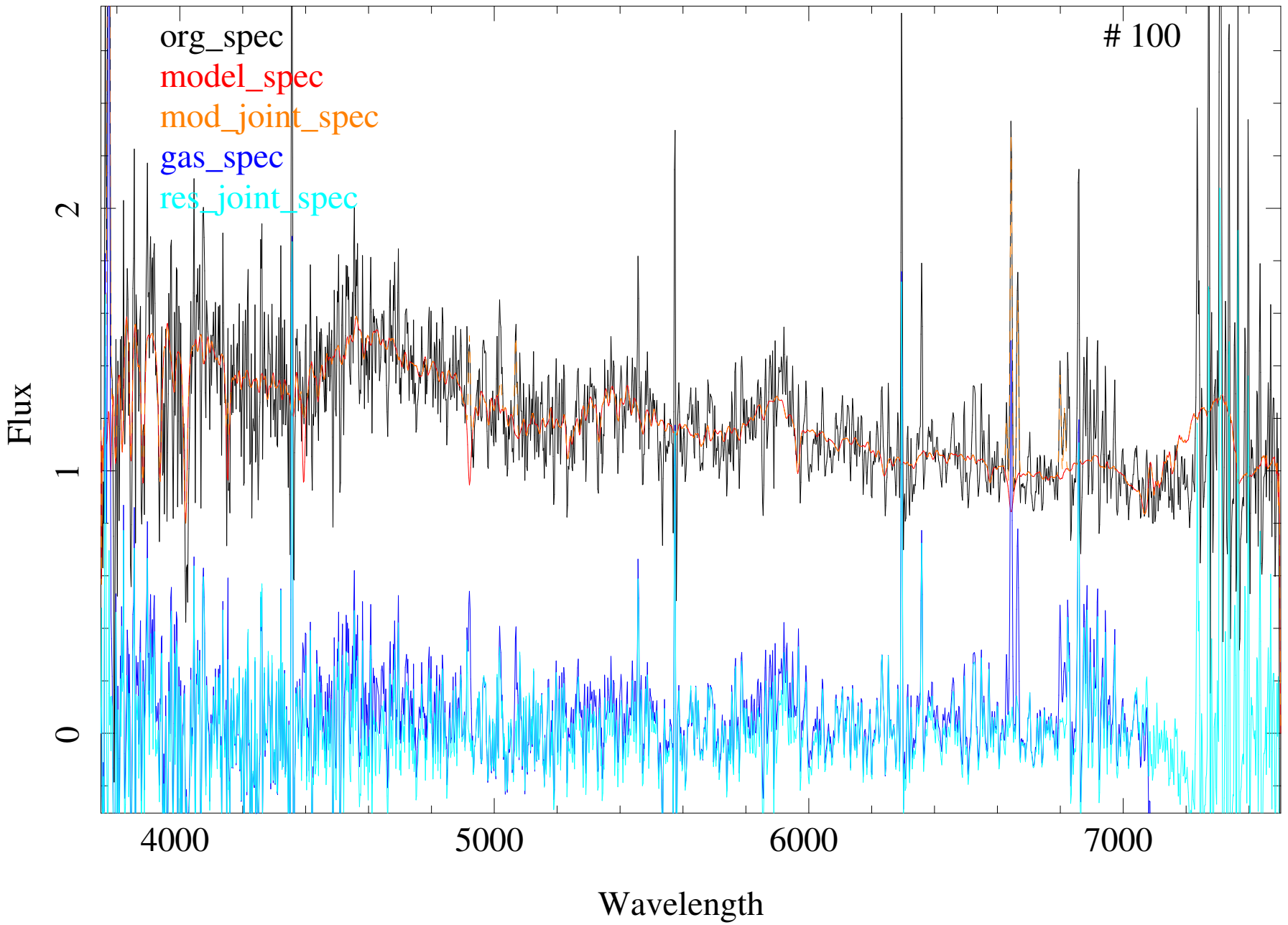

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
95
Flux
Wavelength
0
1
2
3
4000
5000
6000
7000

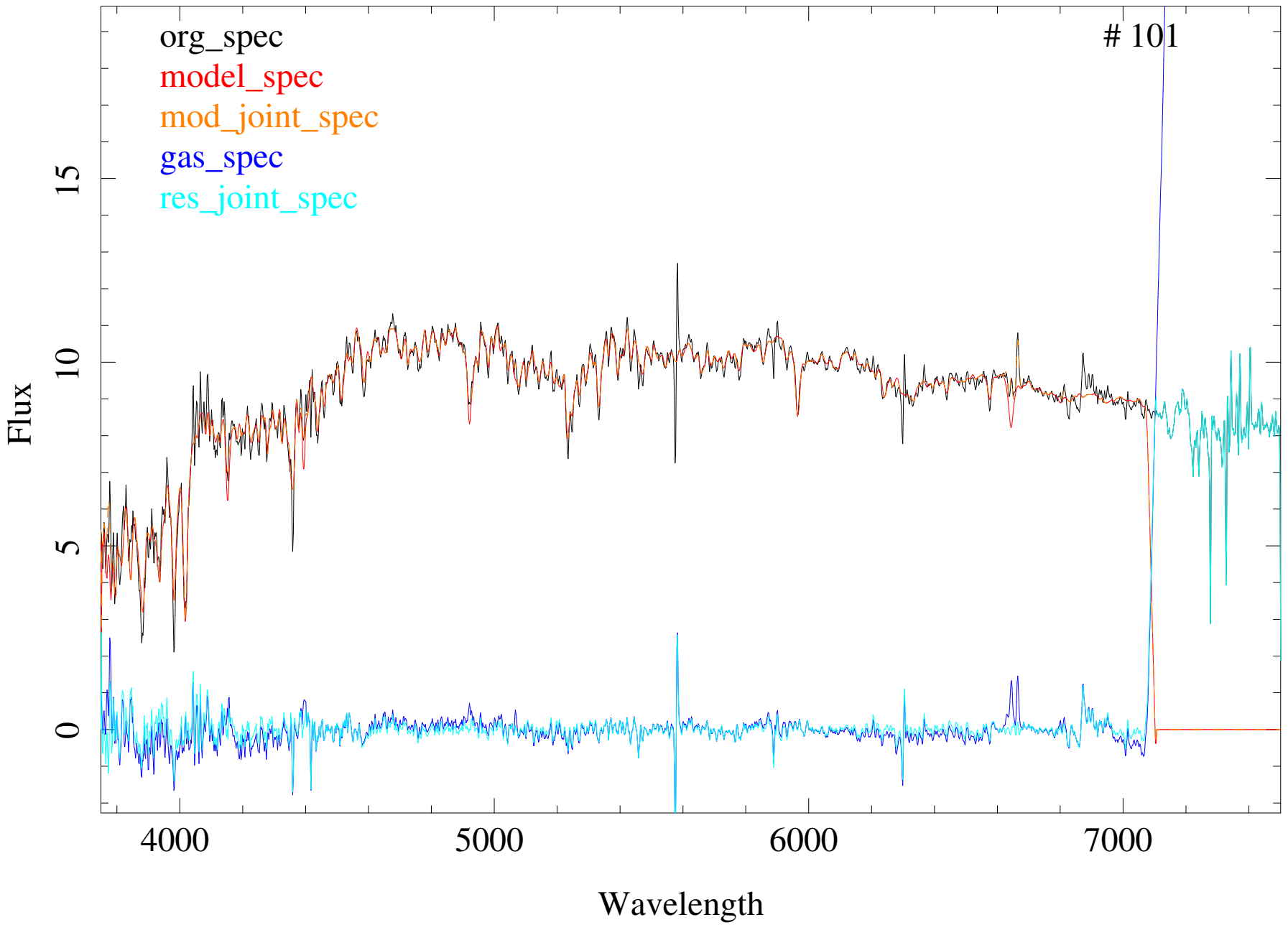

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
96
Flux
0
0.5
1
4000
5000
6000
7000
Wavelength

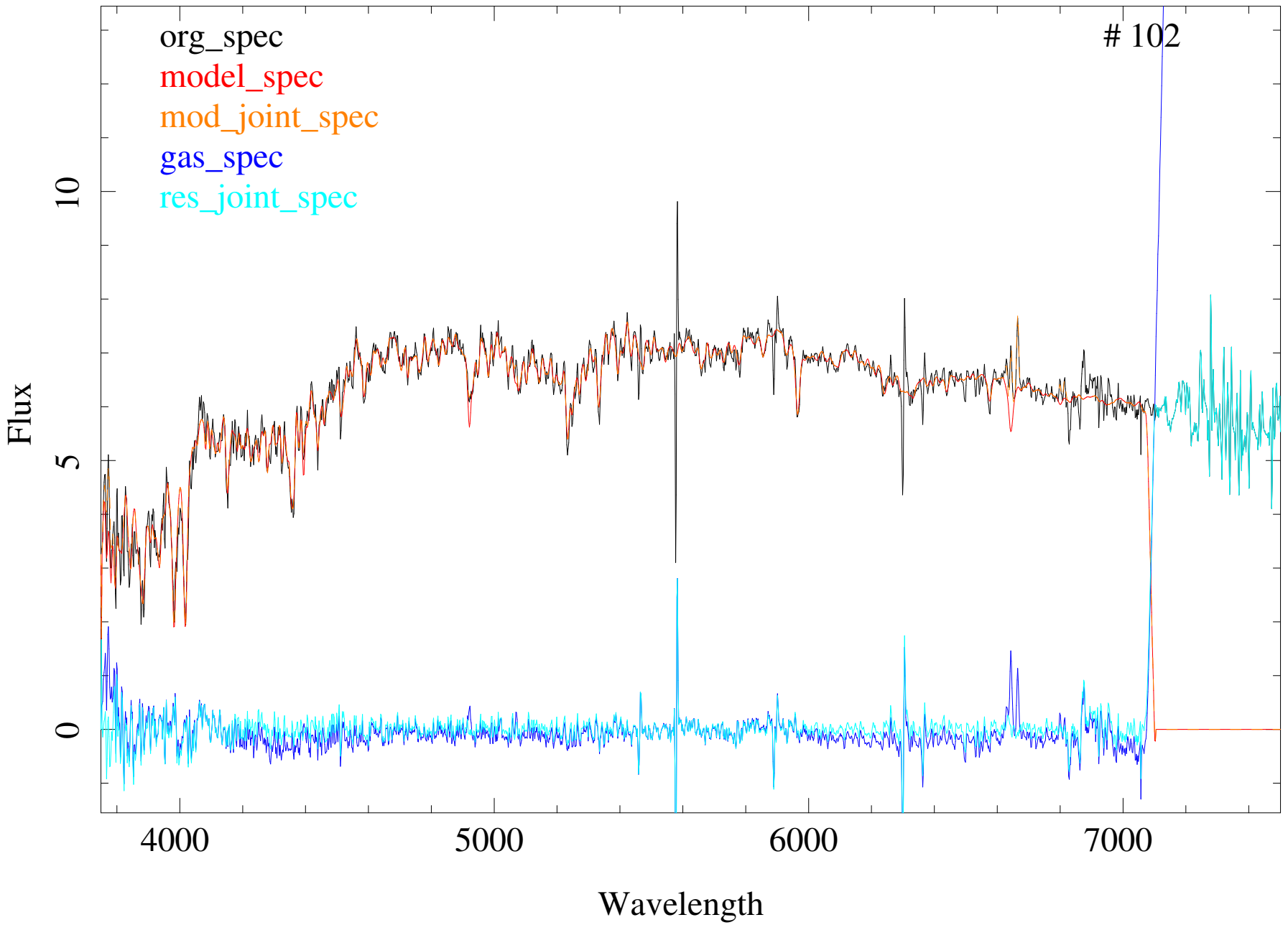

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
97
Flux
0
1
2
4000
5000
6000
7000
Wavelength

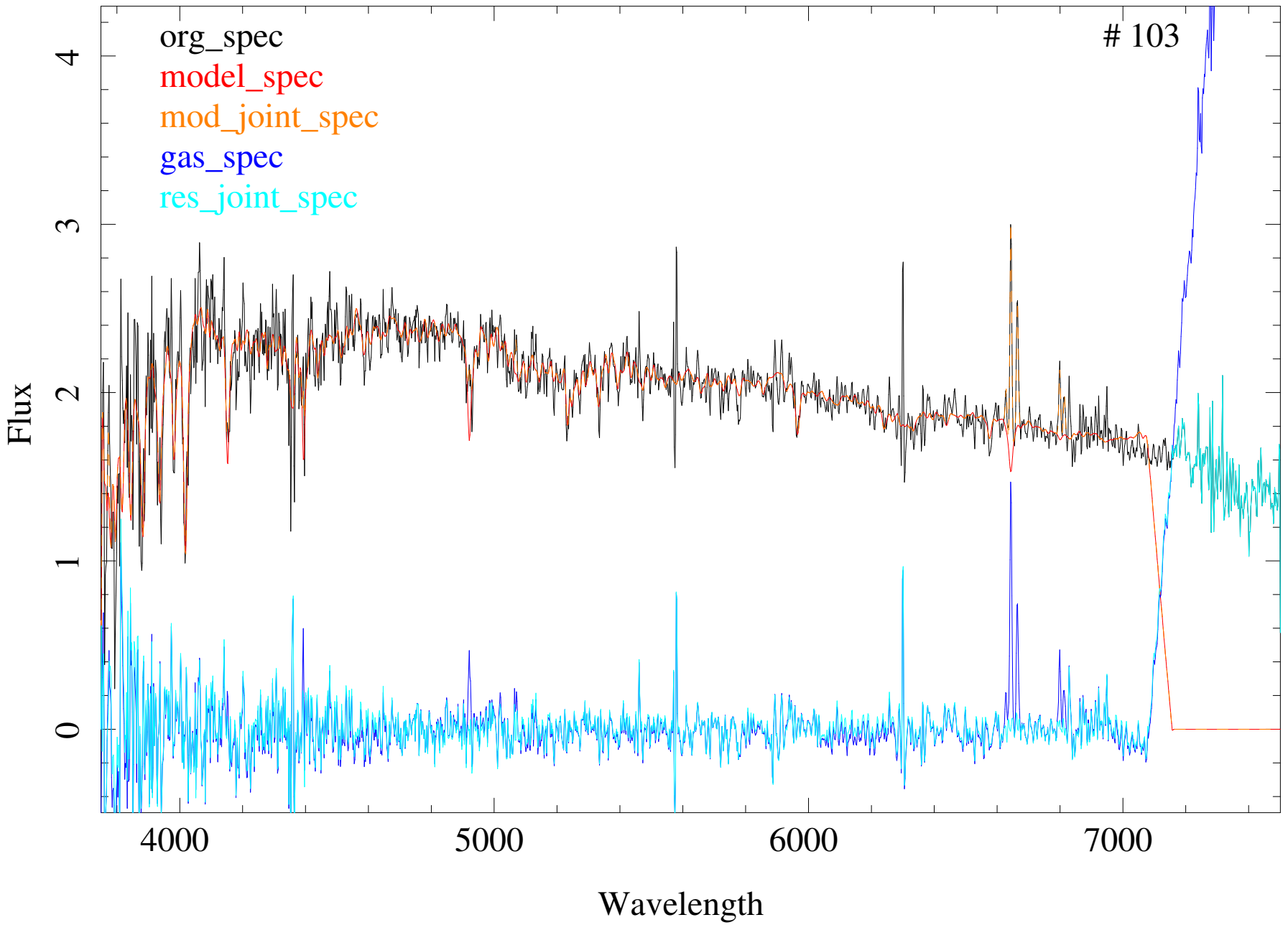

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
98
Flux
0
0.5
4000
5000
6000
7000
Wavelength

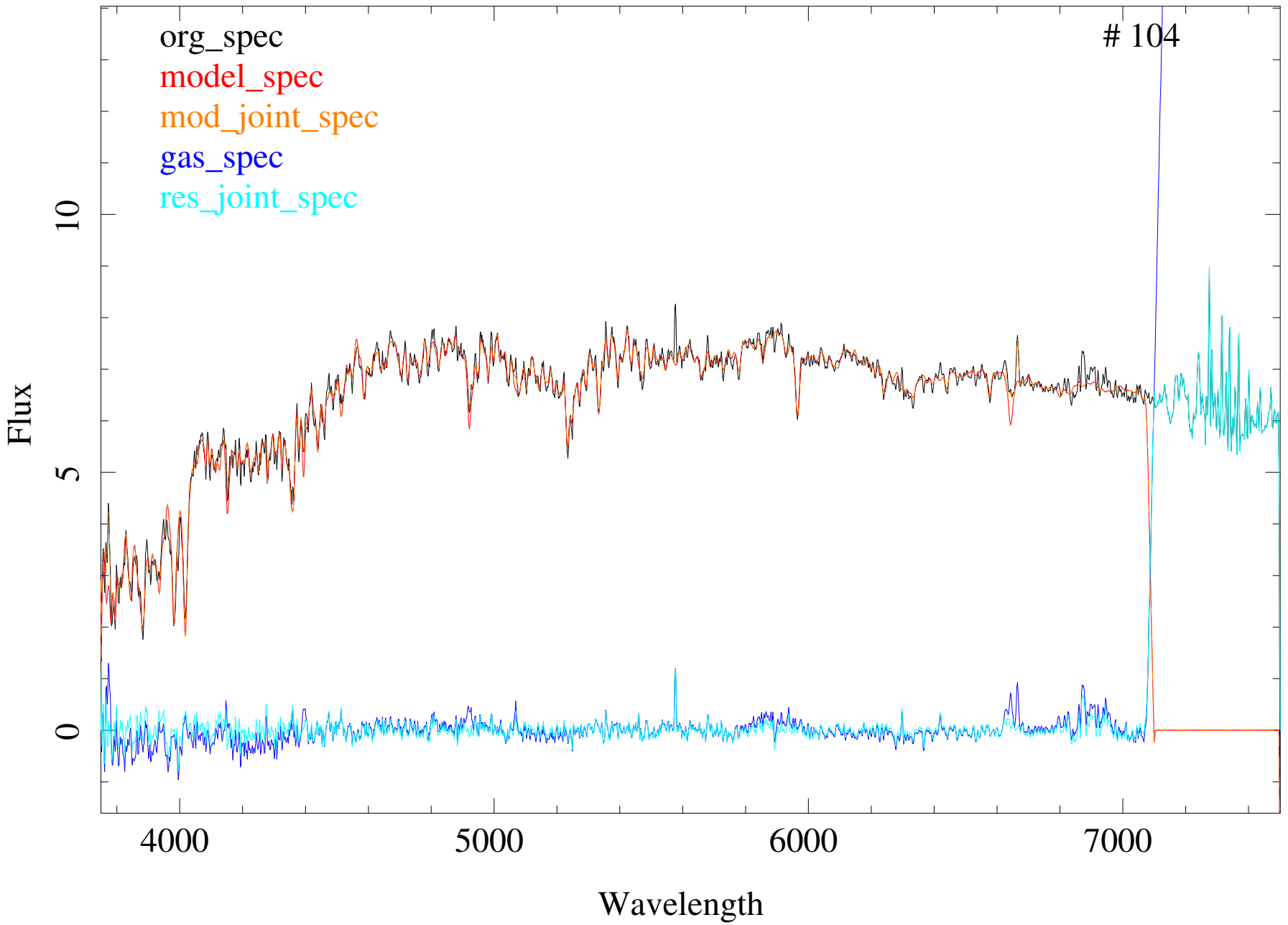

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
99
Flux
0
5
10
15
4000
5000
6000
7000
Wavelength

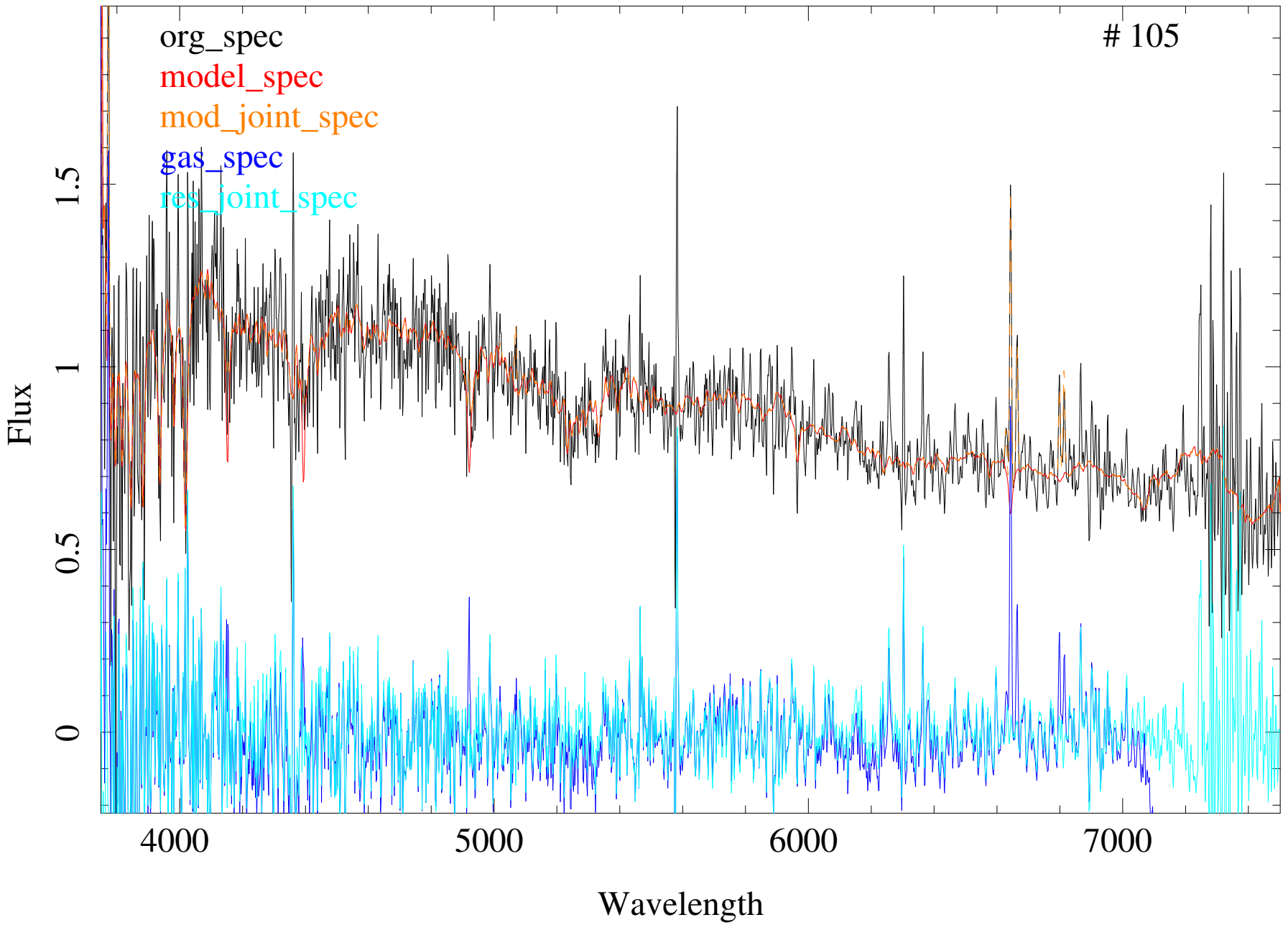

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
100
Flux
0
1
2
4000
5000
6000
7000
Wavelength

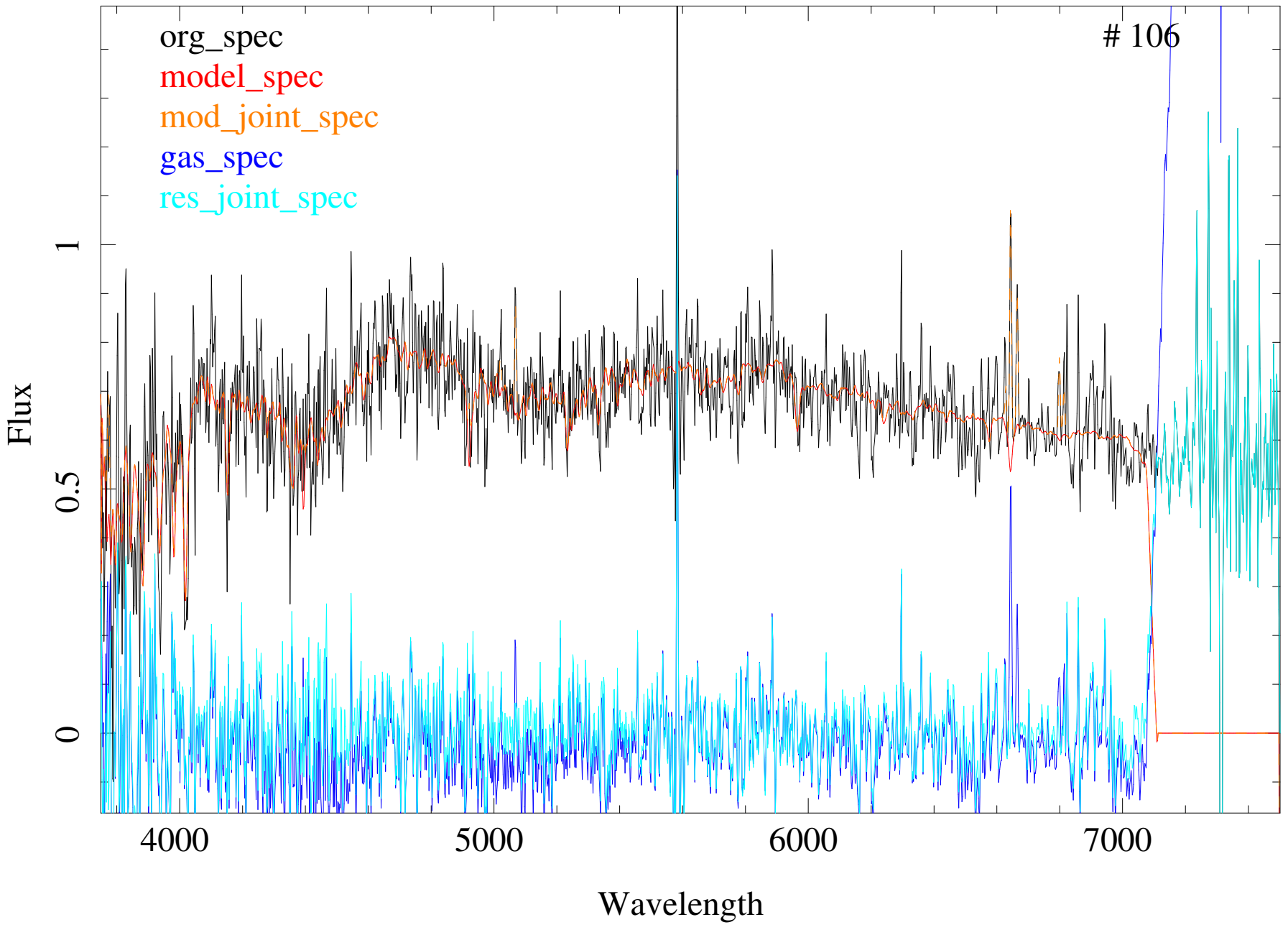

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
101
Flux
0
5
10
15
4000
5000
6000
7000
Wavelength

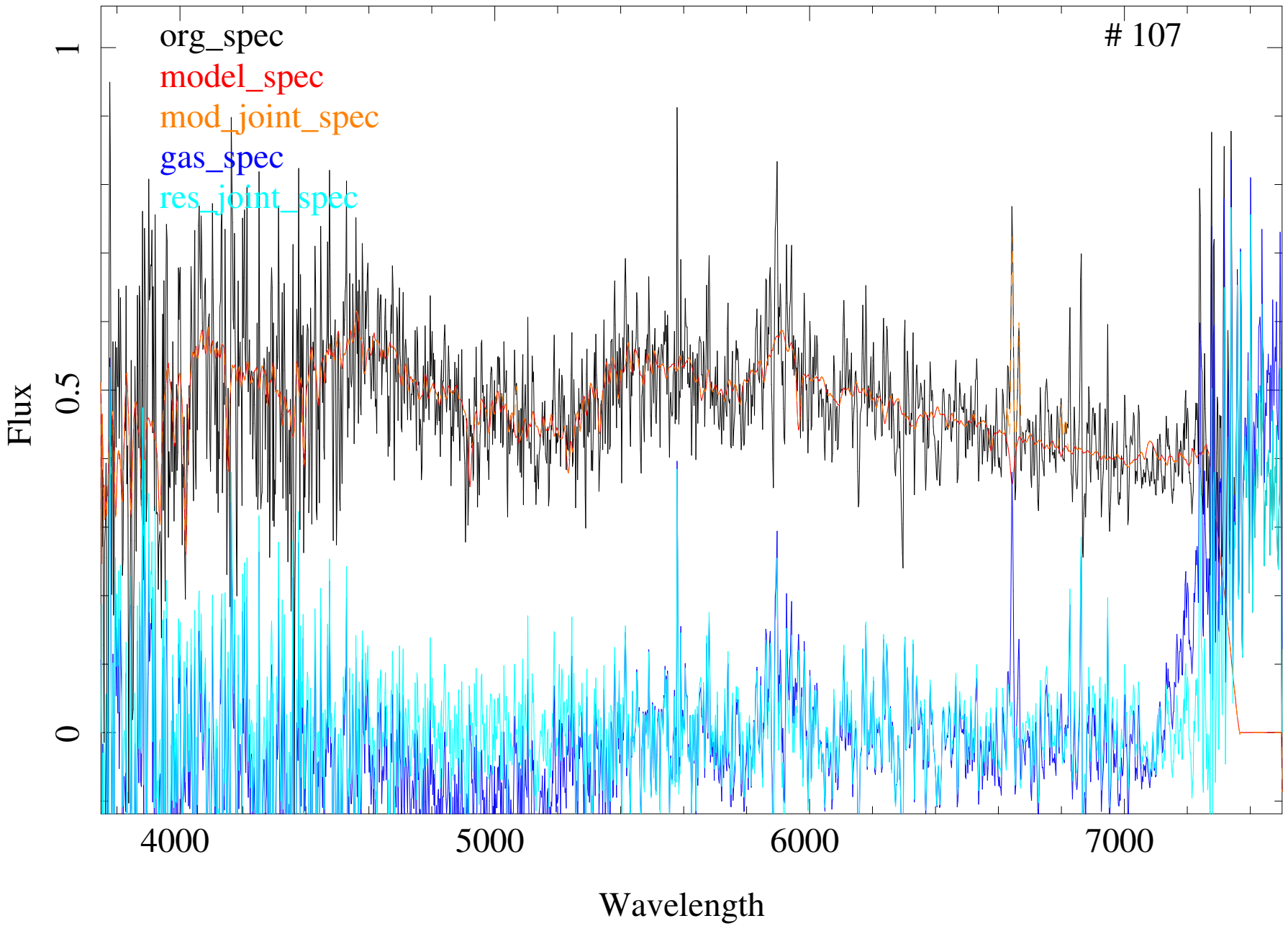

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
102
Flux
0
5
10
4000
5000
6000
7000
Wavelength

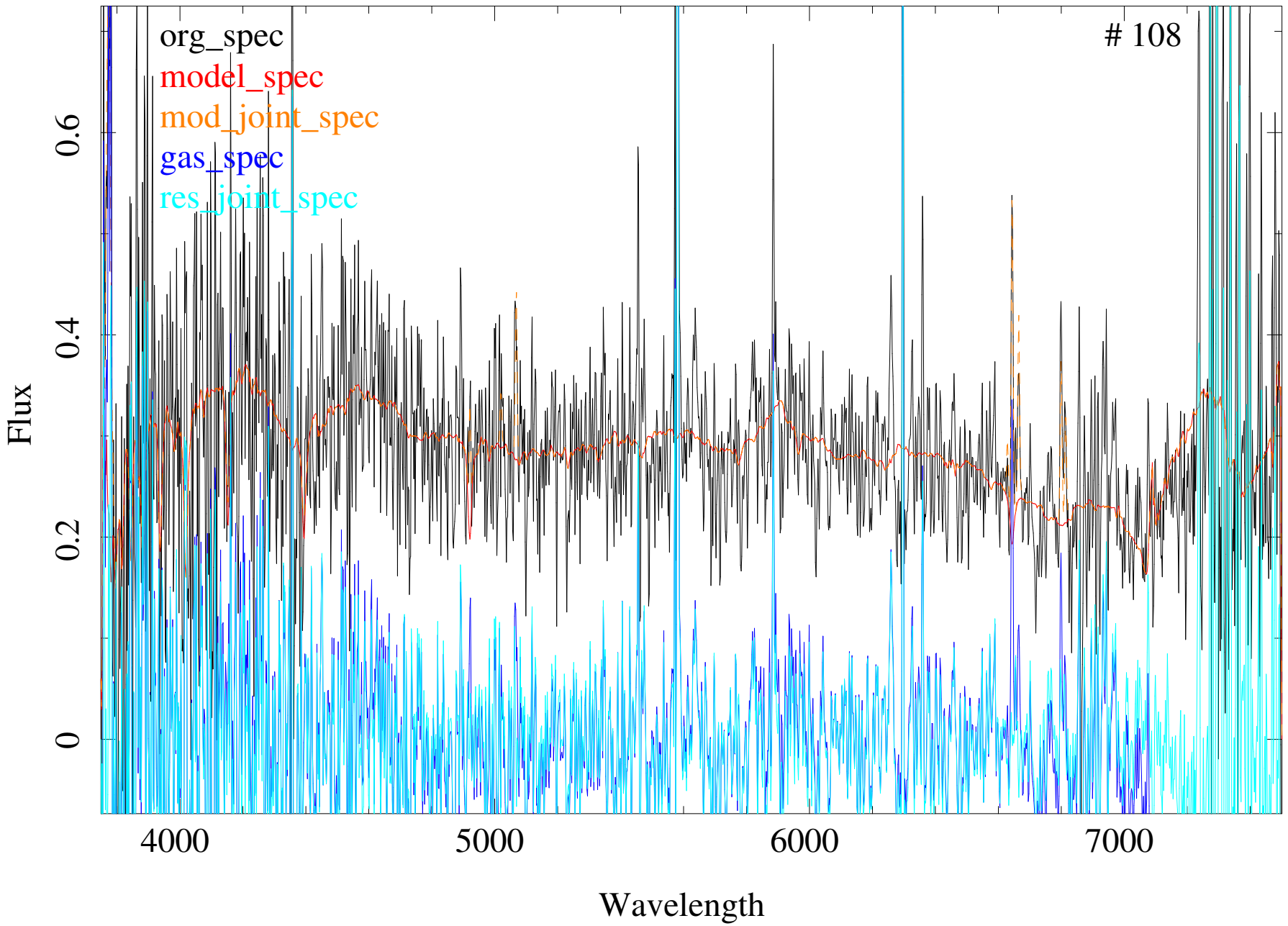

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
103
Flux
Wavelength
0
1
2
3
4
4000
5000
6000
7000

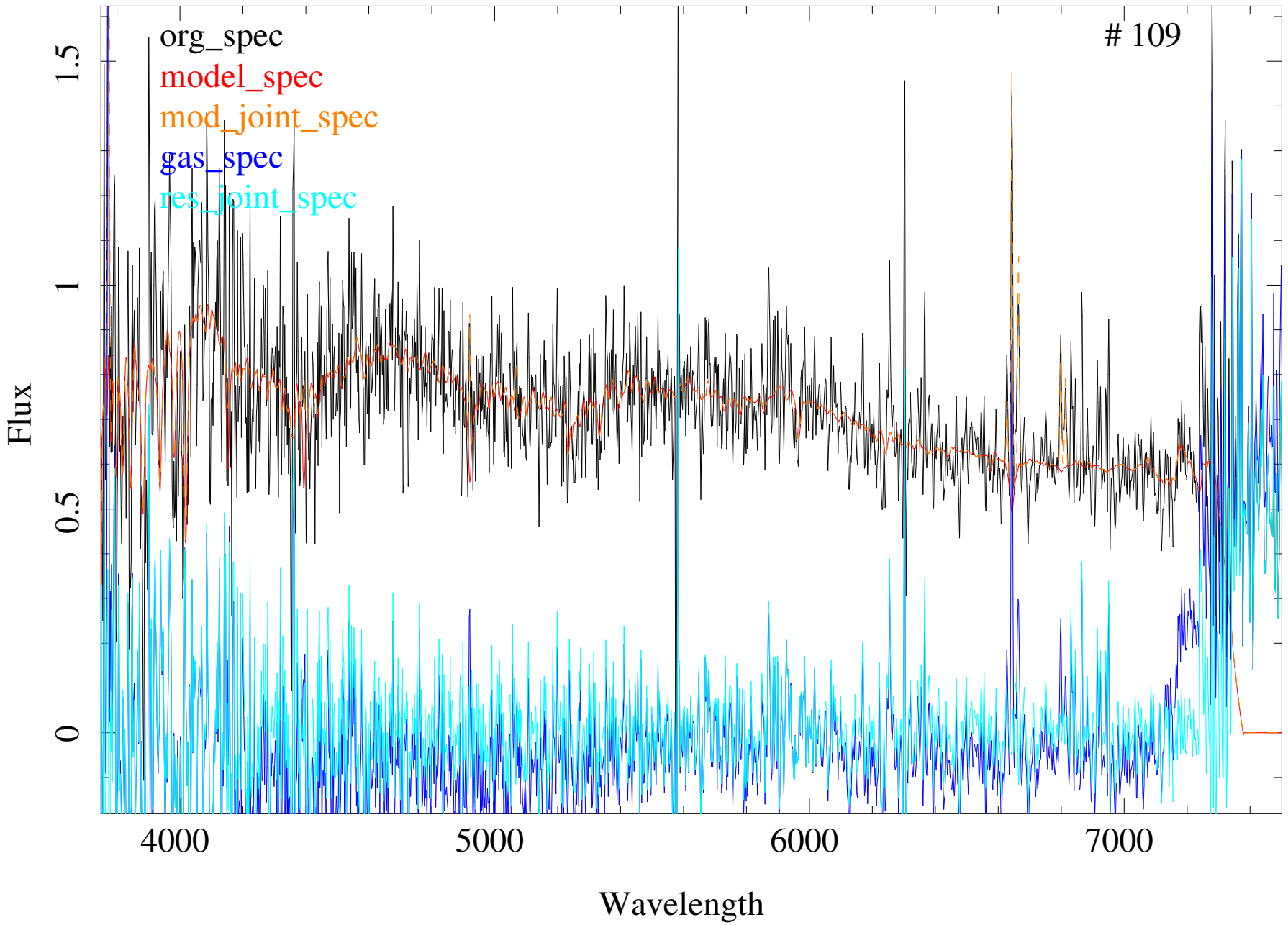

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
104
Flux
0
5
10
4000
5000
6000
7000
Wavelength

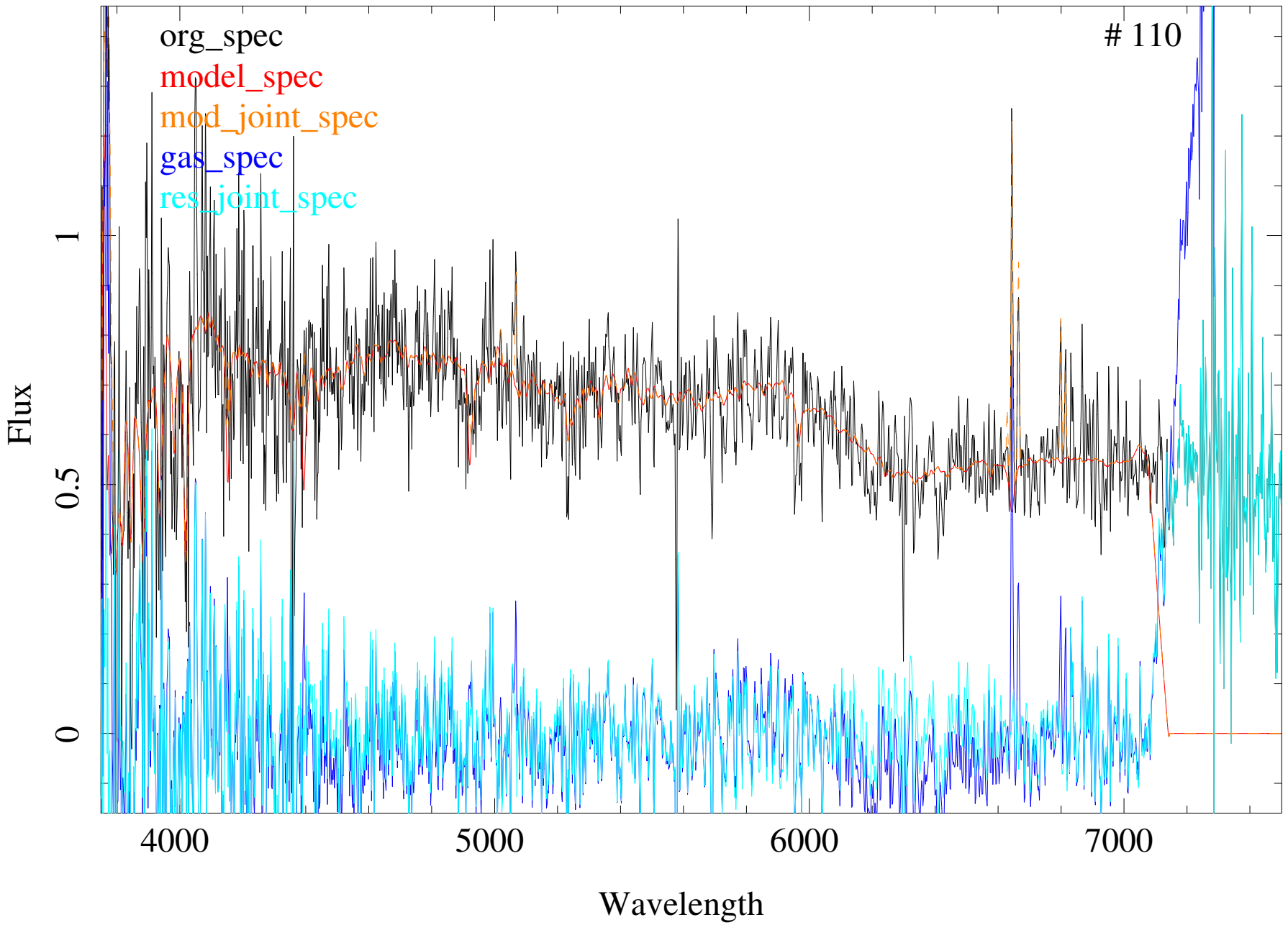

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
105
Flux
0
0.5
1
1.5
4000
5000
6000
7000
Wavelength

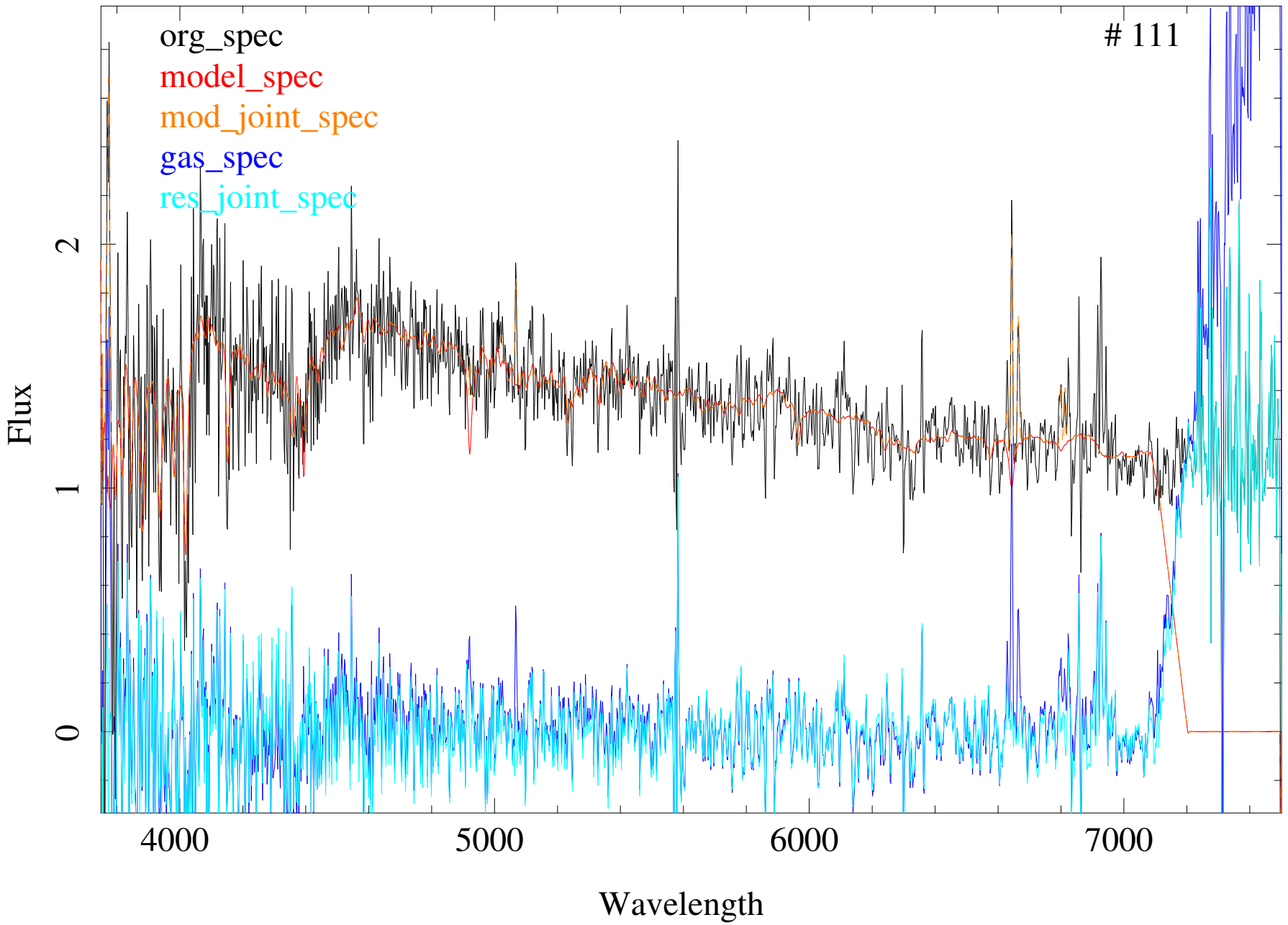

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
106
Flux
0
0.5
1
4000
5000
6000
7000
Wavelength

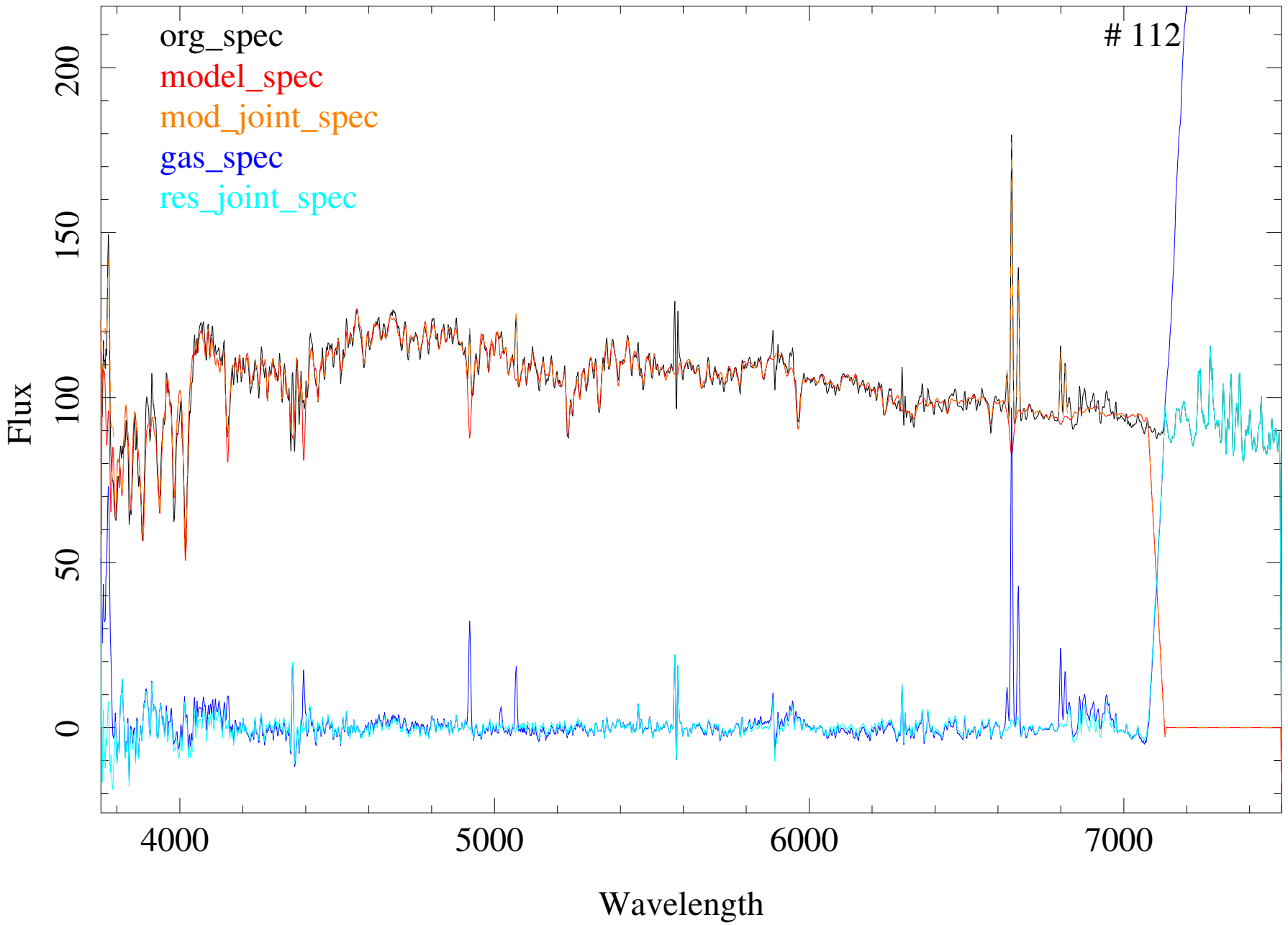

org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
107
Flux
0
0.5
1
4000
5000
6000
7000
Wavelength


org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
108
Flux
0
0.2
0.4
0.6
4000
5000
6000
7000
Wavelength


org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
109
Flux
0
0.5
1
1.5
4000
5000
6000
7000
Wavelength


org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
110
Flux
0
0.5
1
4000
5000
6000
7000
Wavelength


org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
111
Flux
0
1
2
4000
5000
6000
7000
Wavelength


org_spec
model_spec
mod_joint_spec
gas_spec
res_joint_spec
112
Flux
0
50
100
150
200
4000
5000
6000
7000
Wavelength