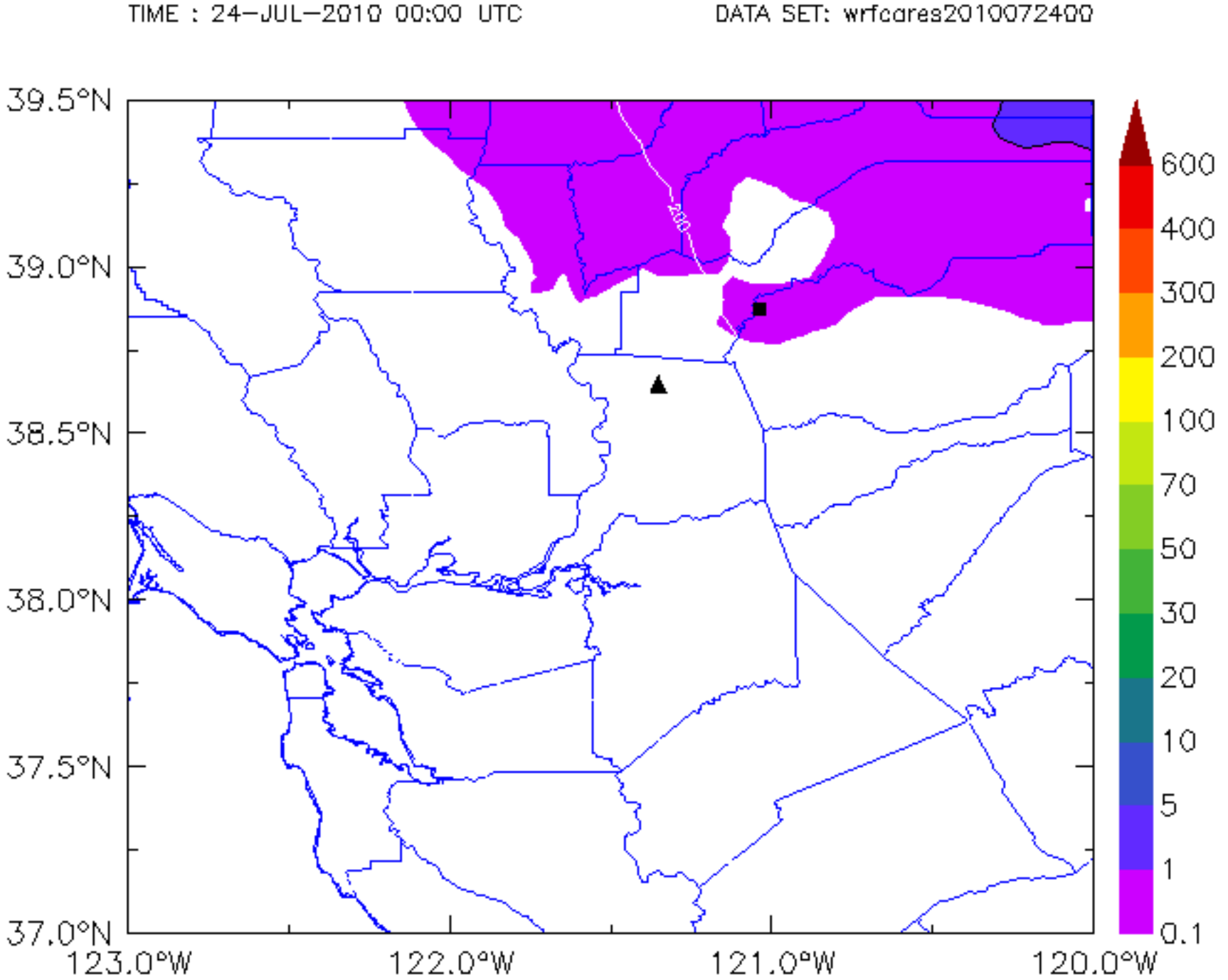
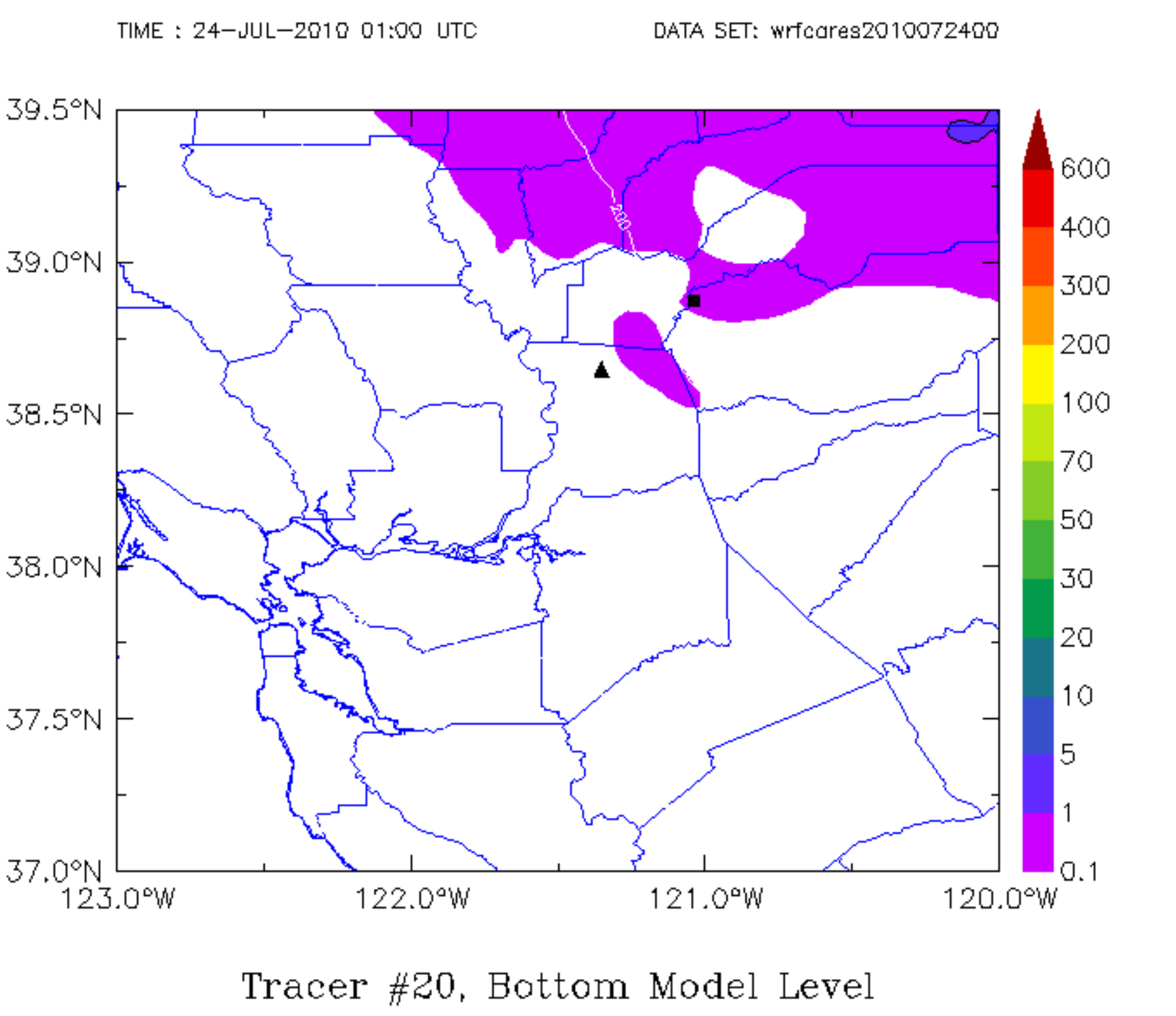
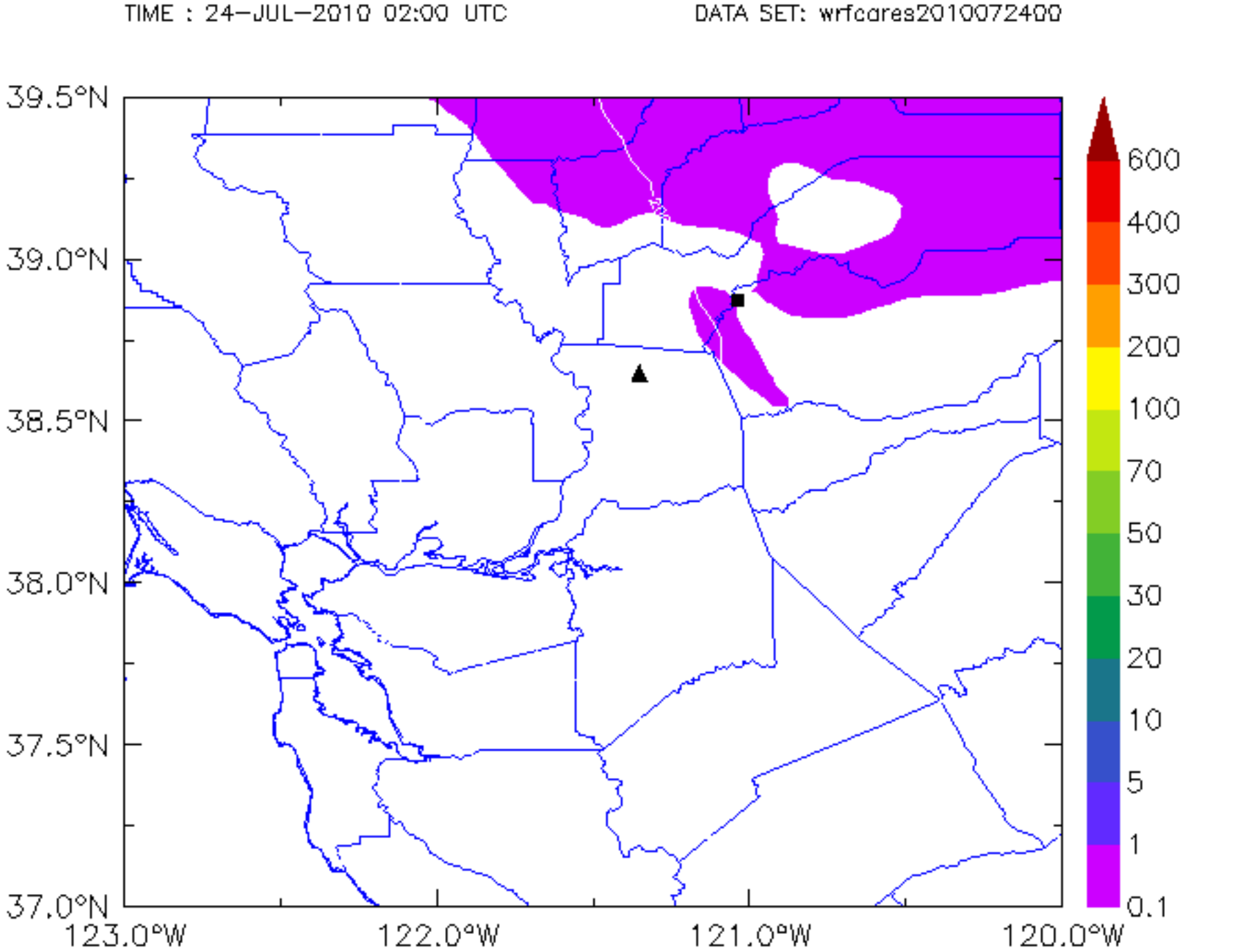


Tracer #20, Bottom Model Level

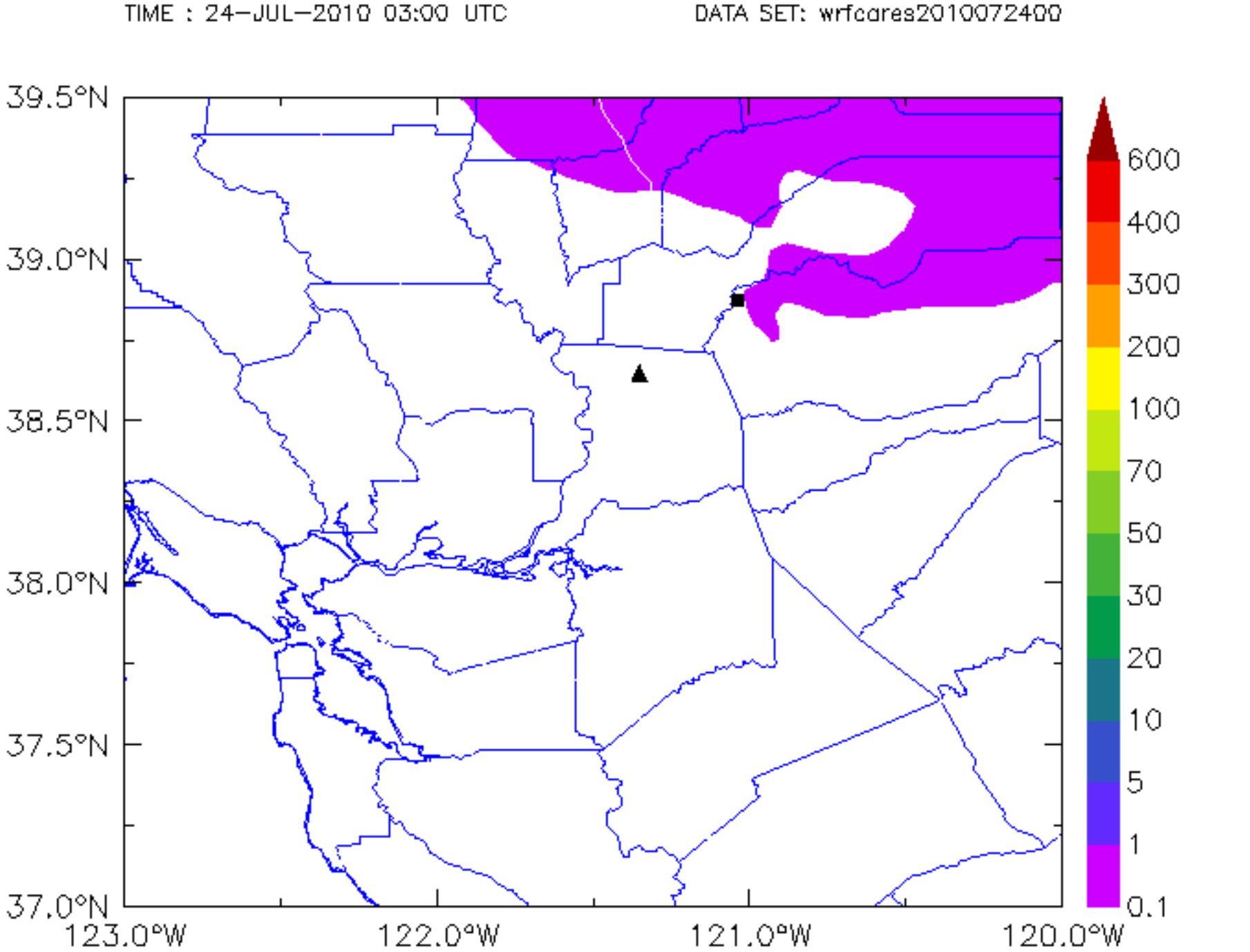
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 24-JUL-2010 01:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
200
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



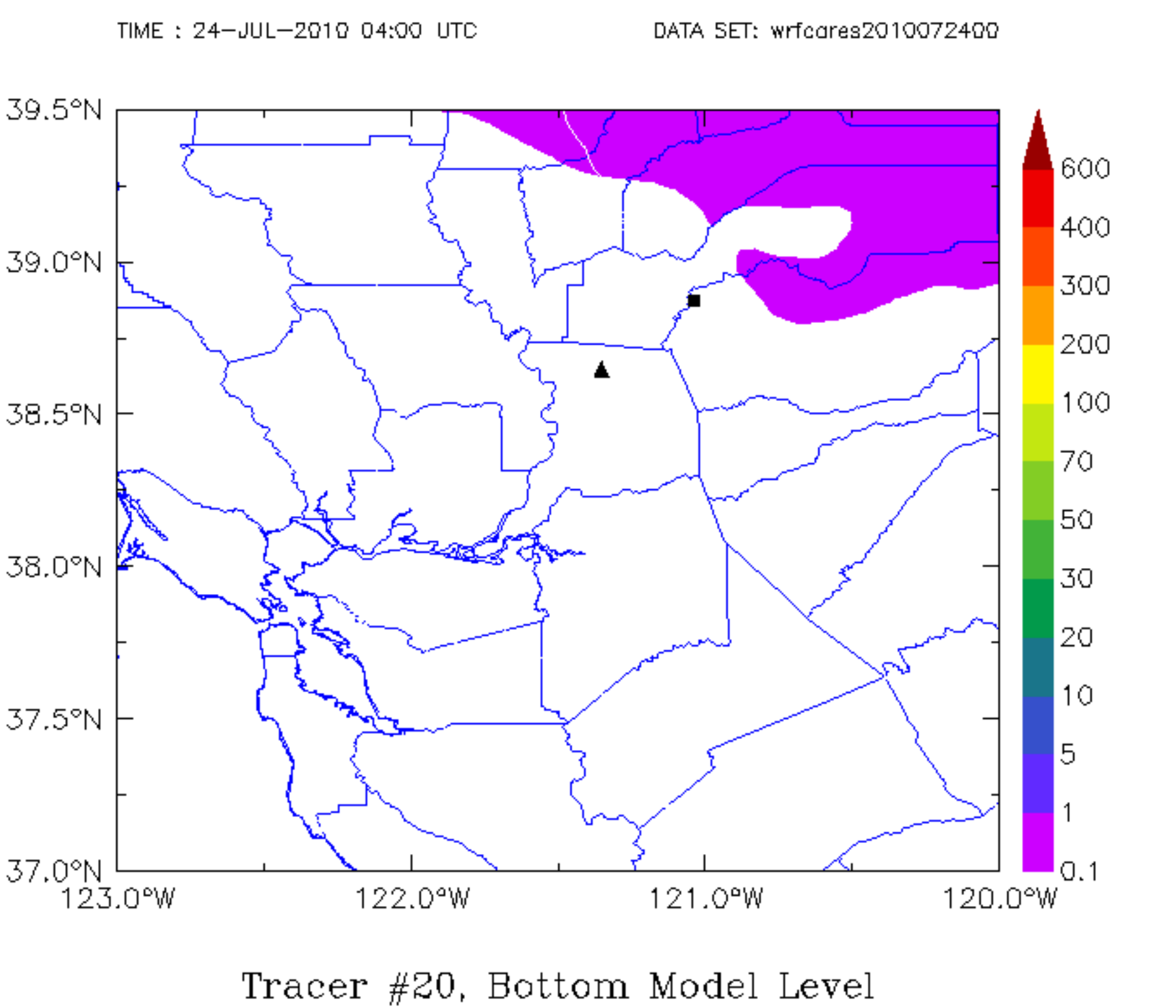
Tracer #20, Bottom Model Level

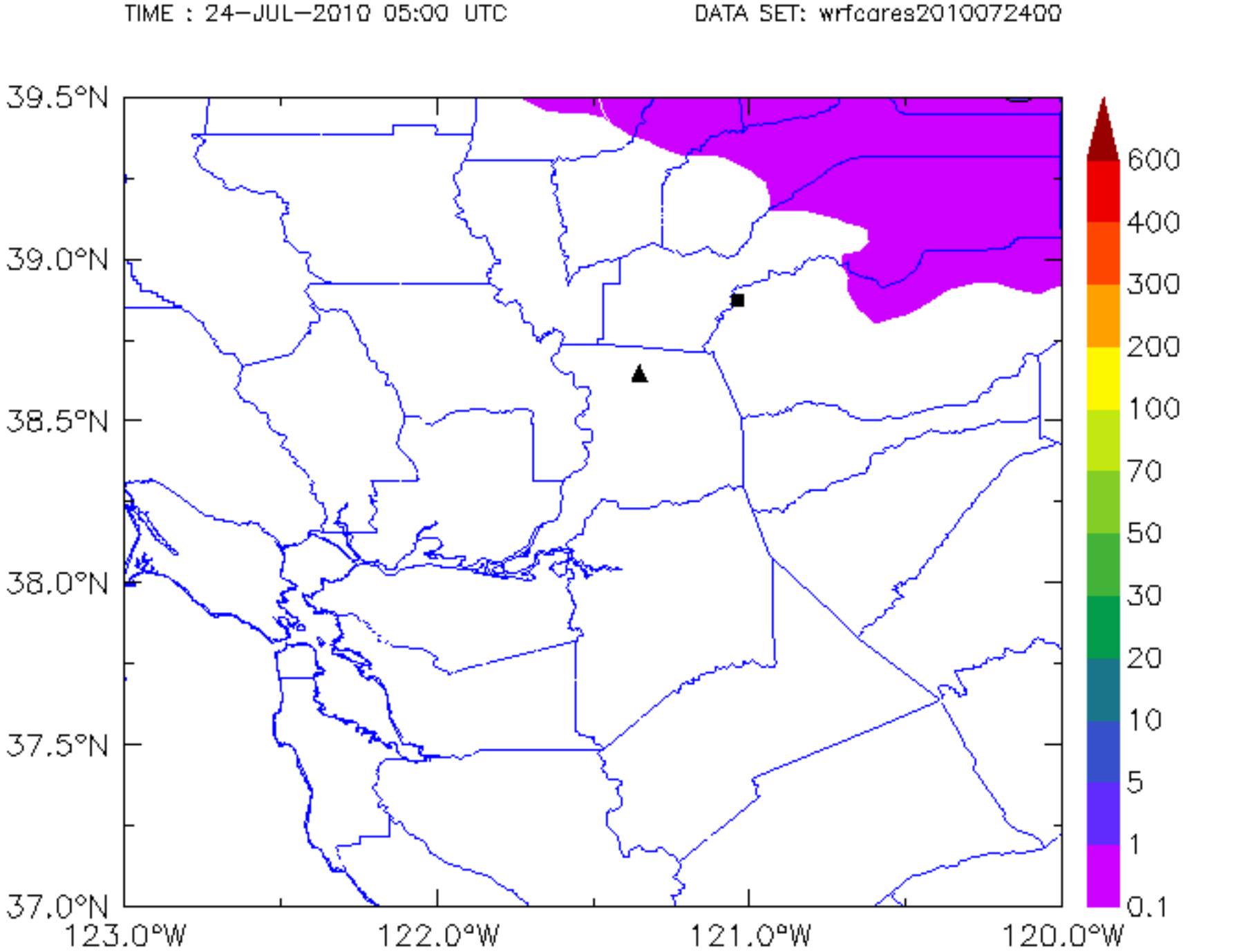
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

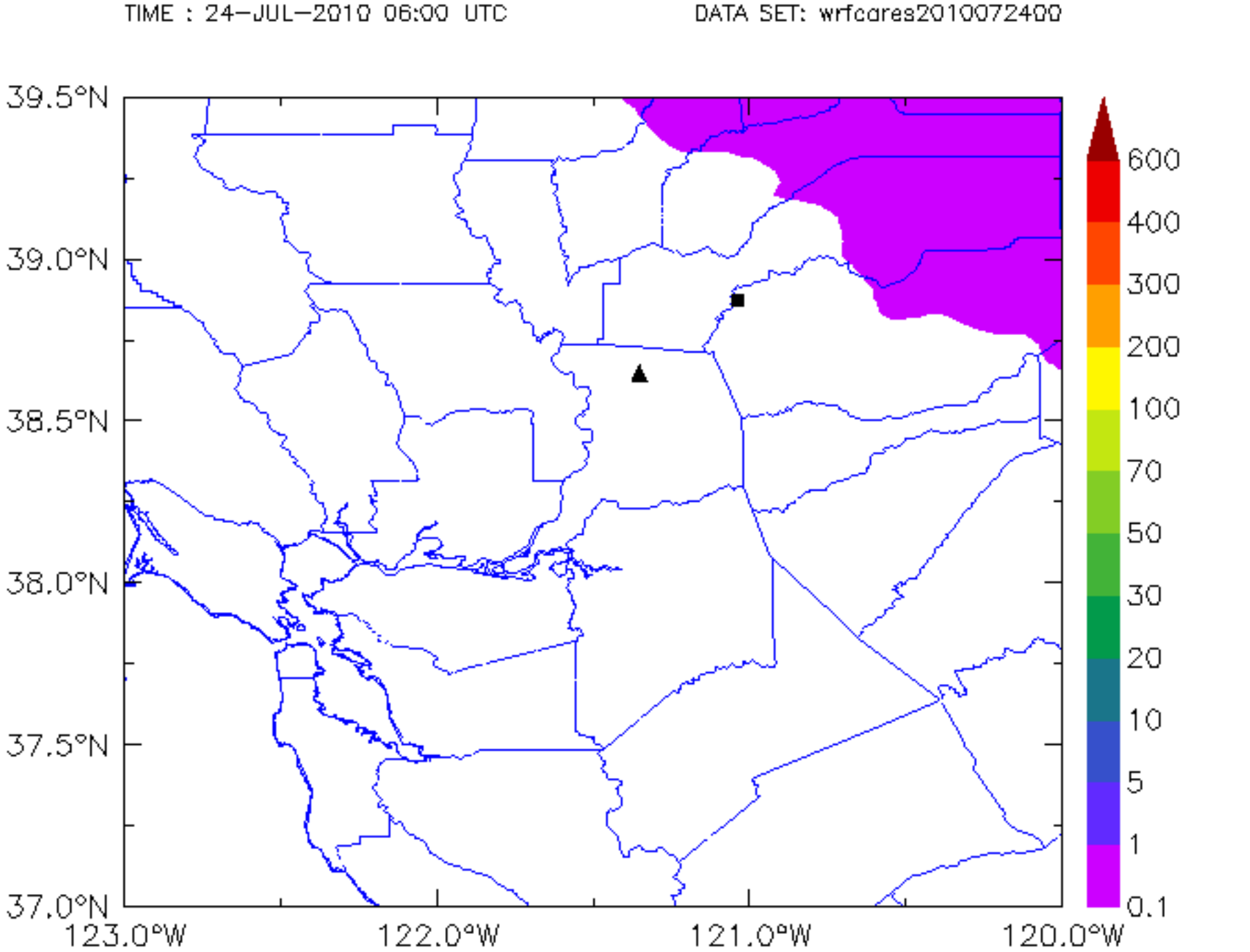
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 24-JUL-2010 04:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



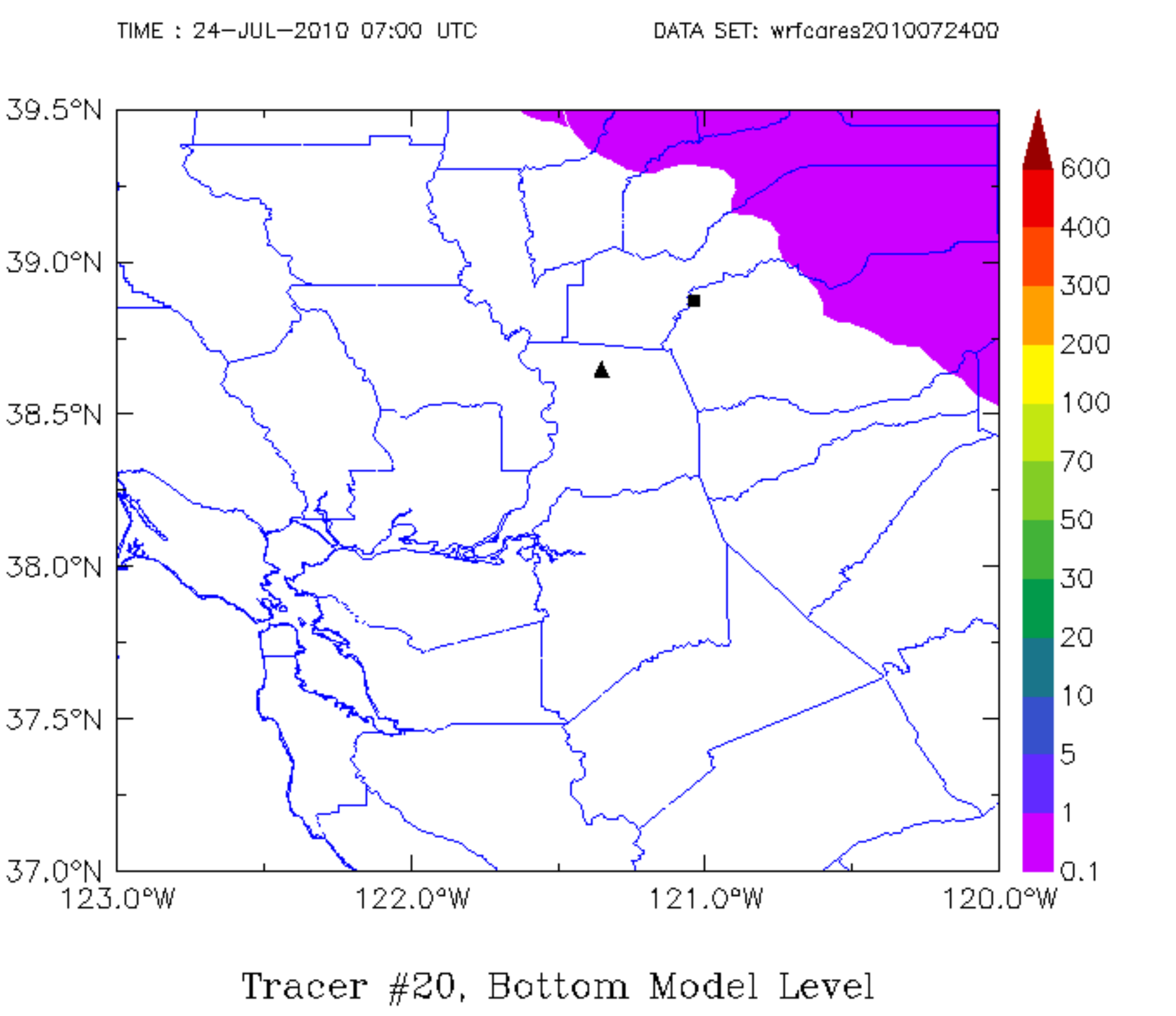
Tracer #20, Bottom Model Level

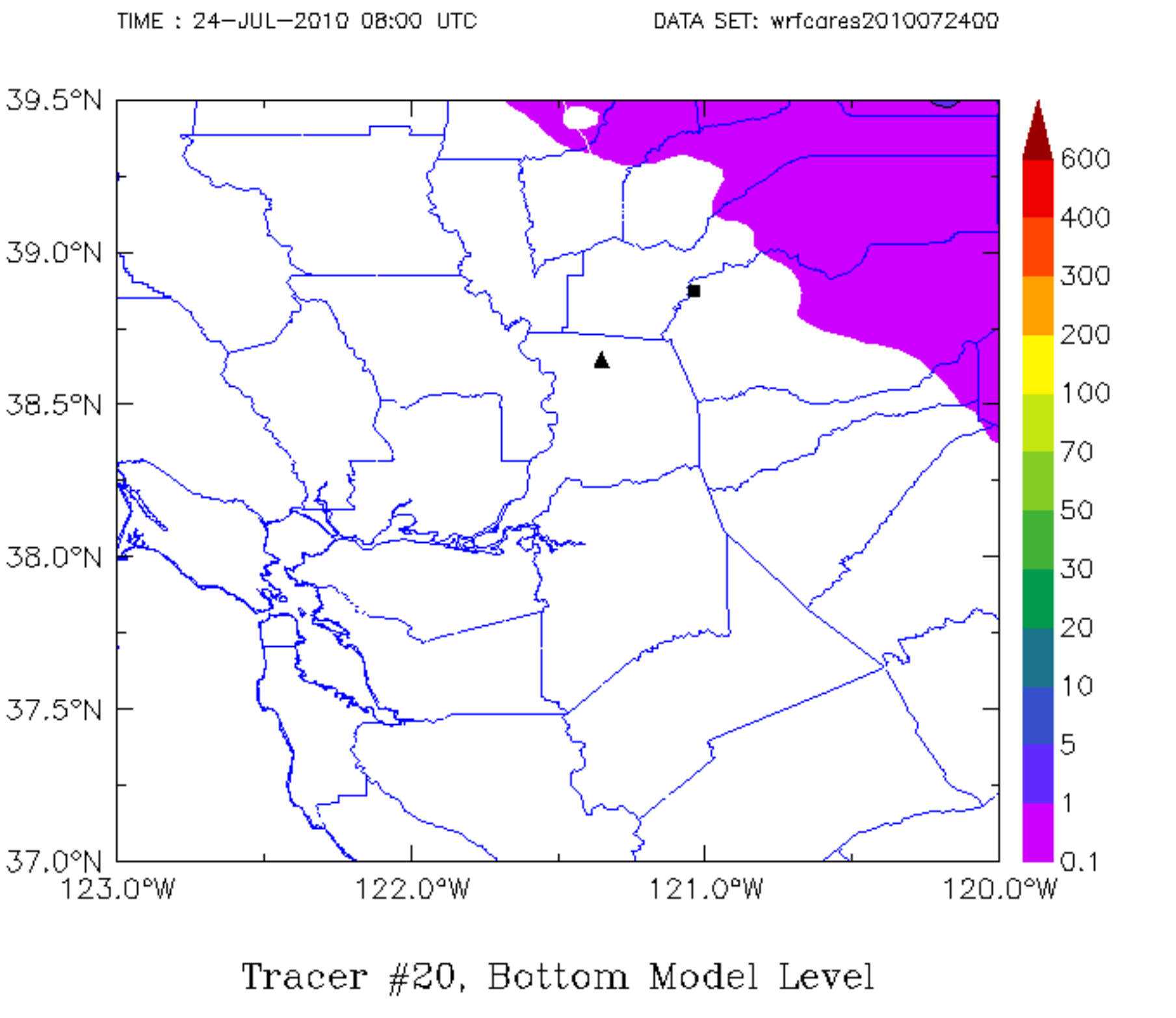
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

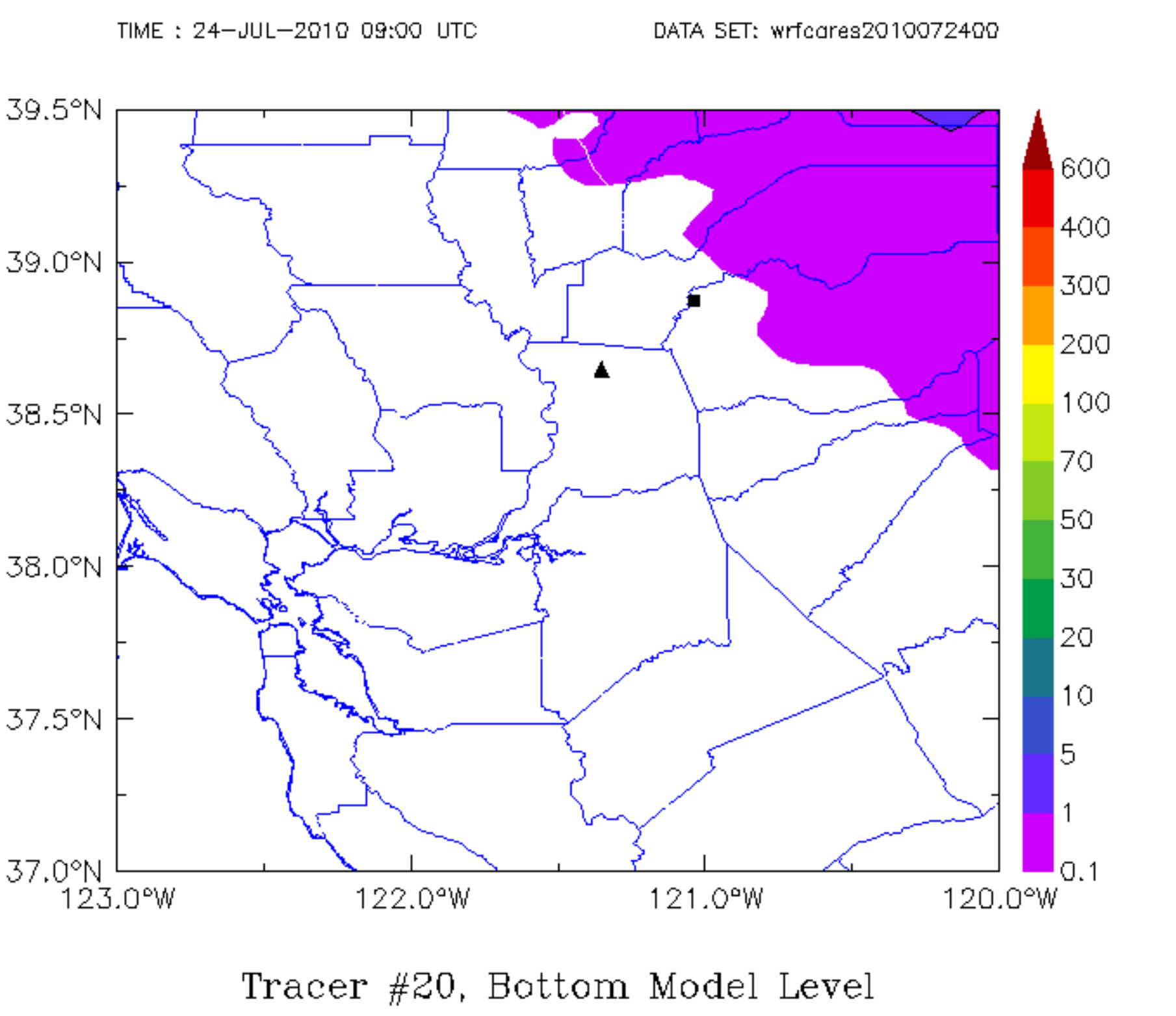


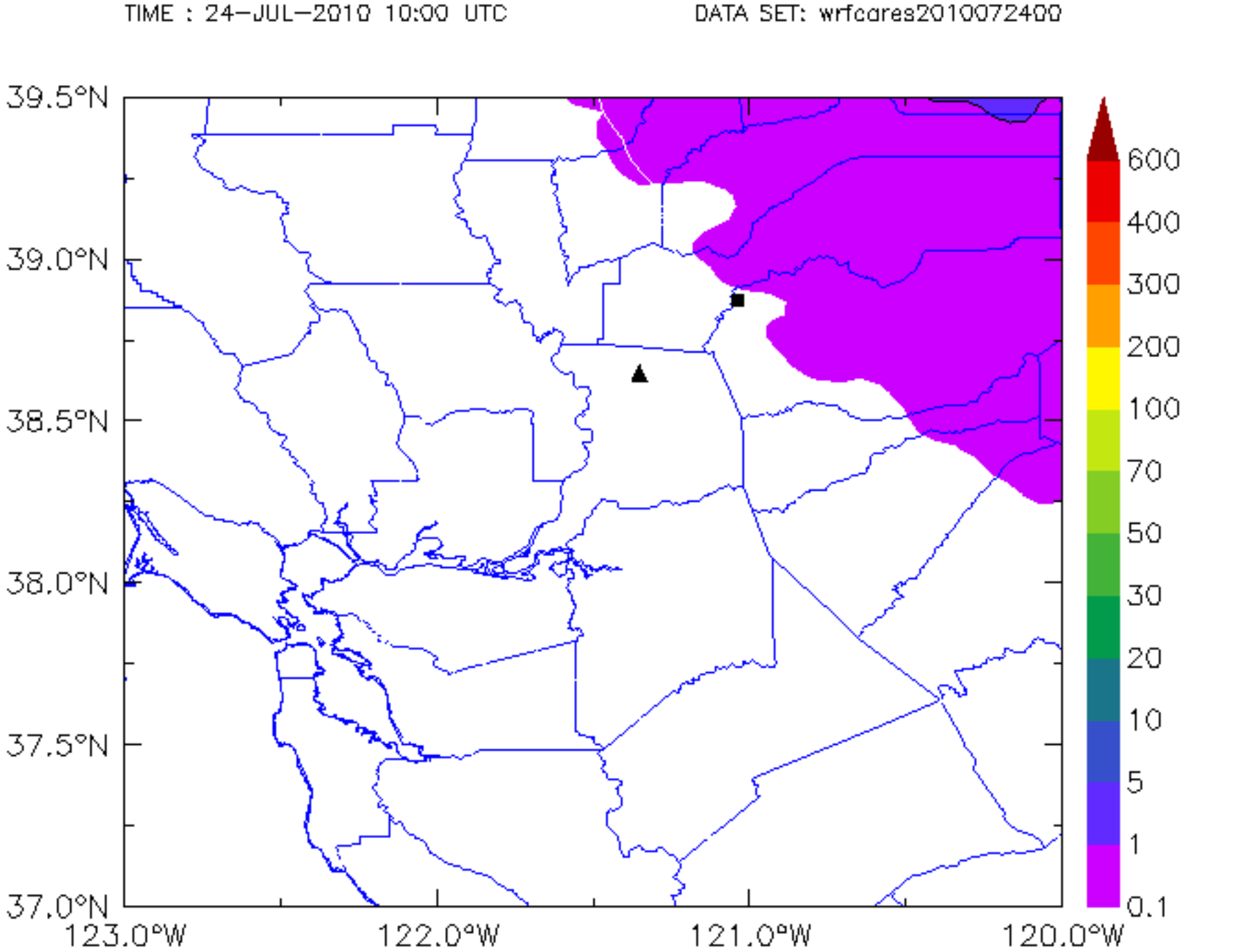
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 24-JUL-2010 07:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

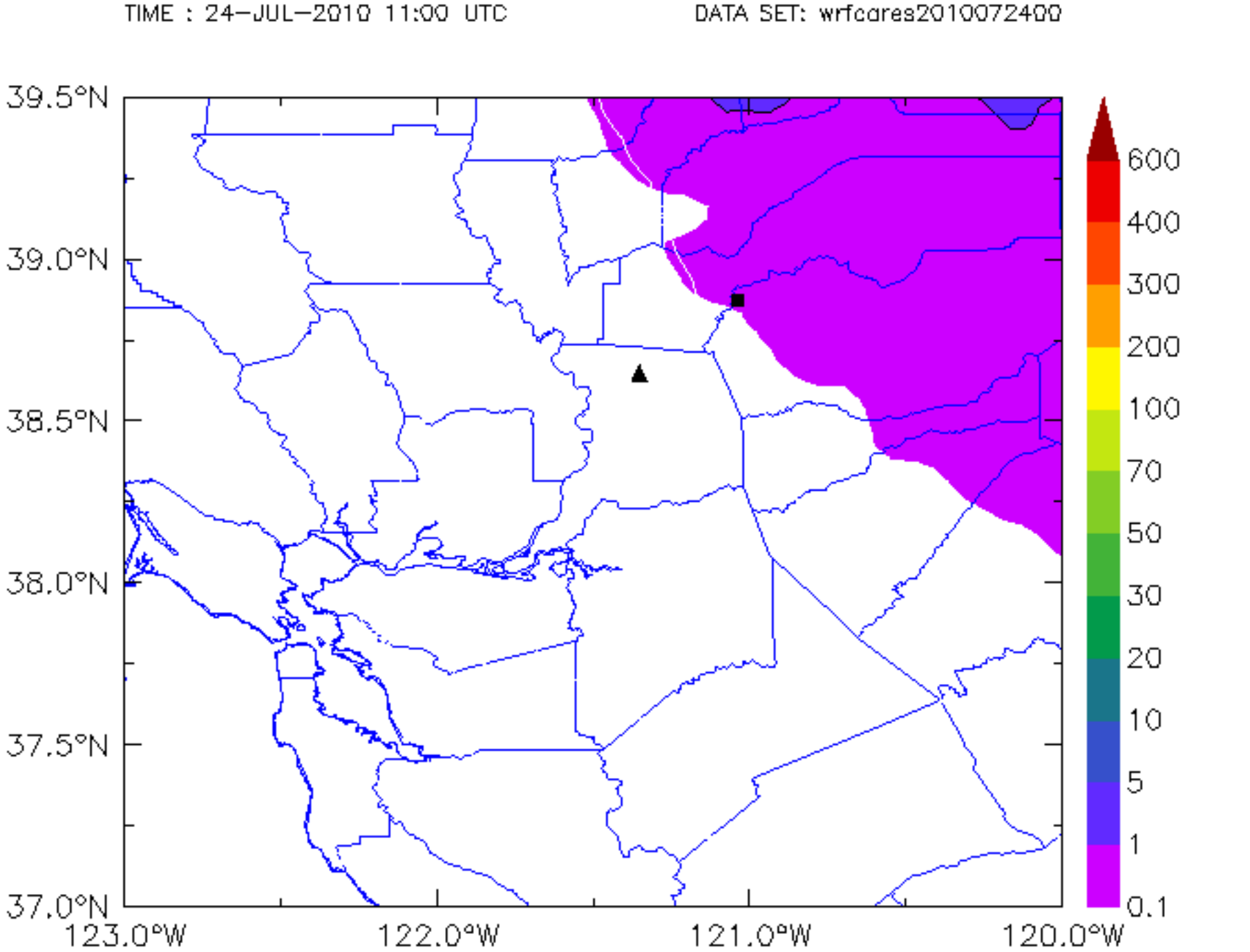

TIME : 24-JUL-2010 08:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 24-JUL-2010 09:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



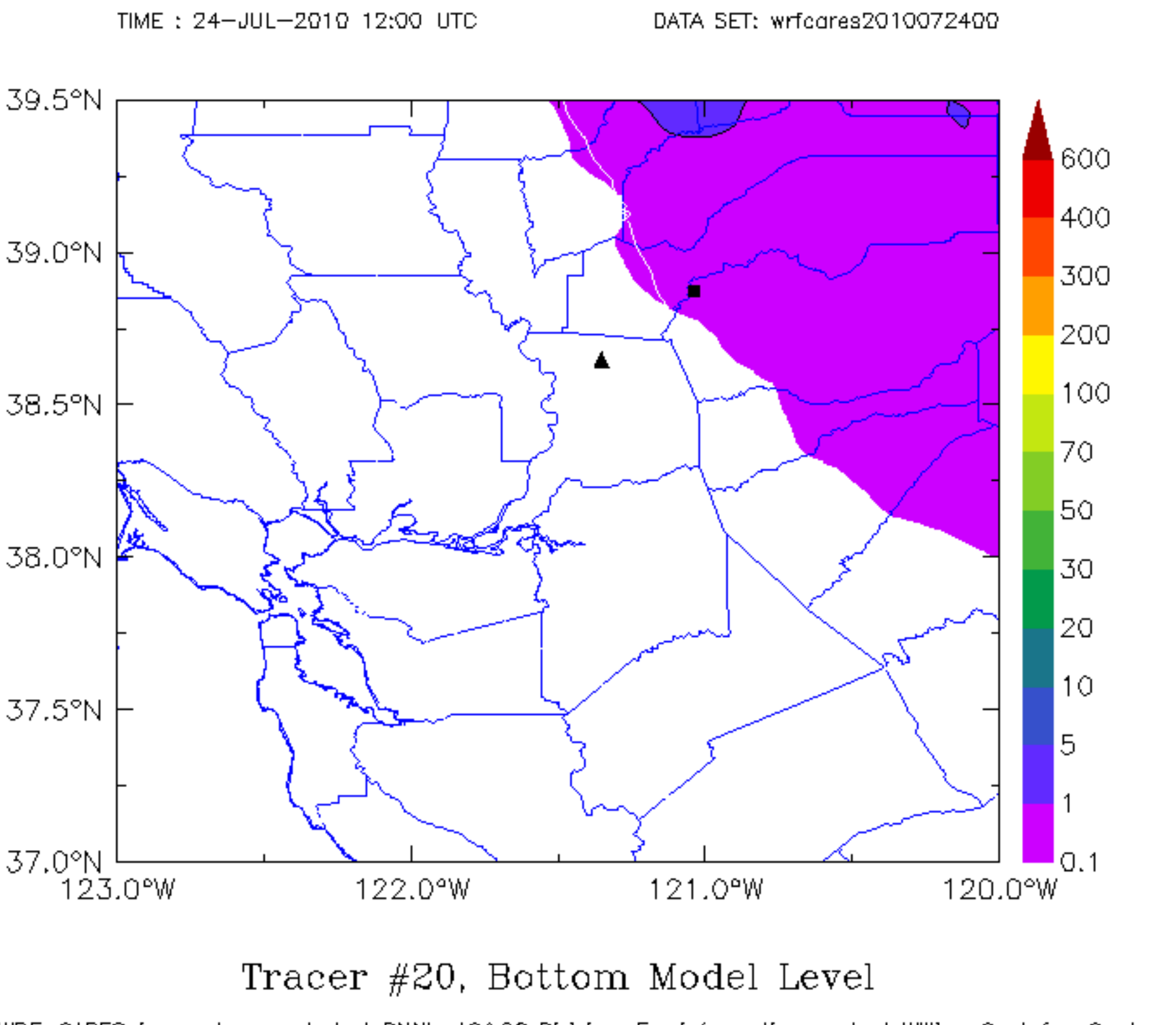
Tracer #20, Bottom Model Level

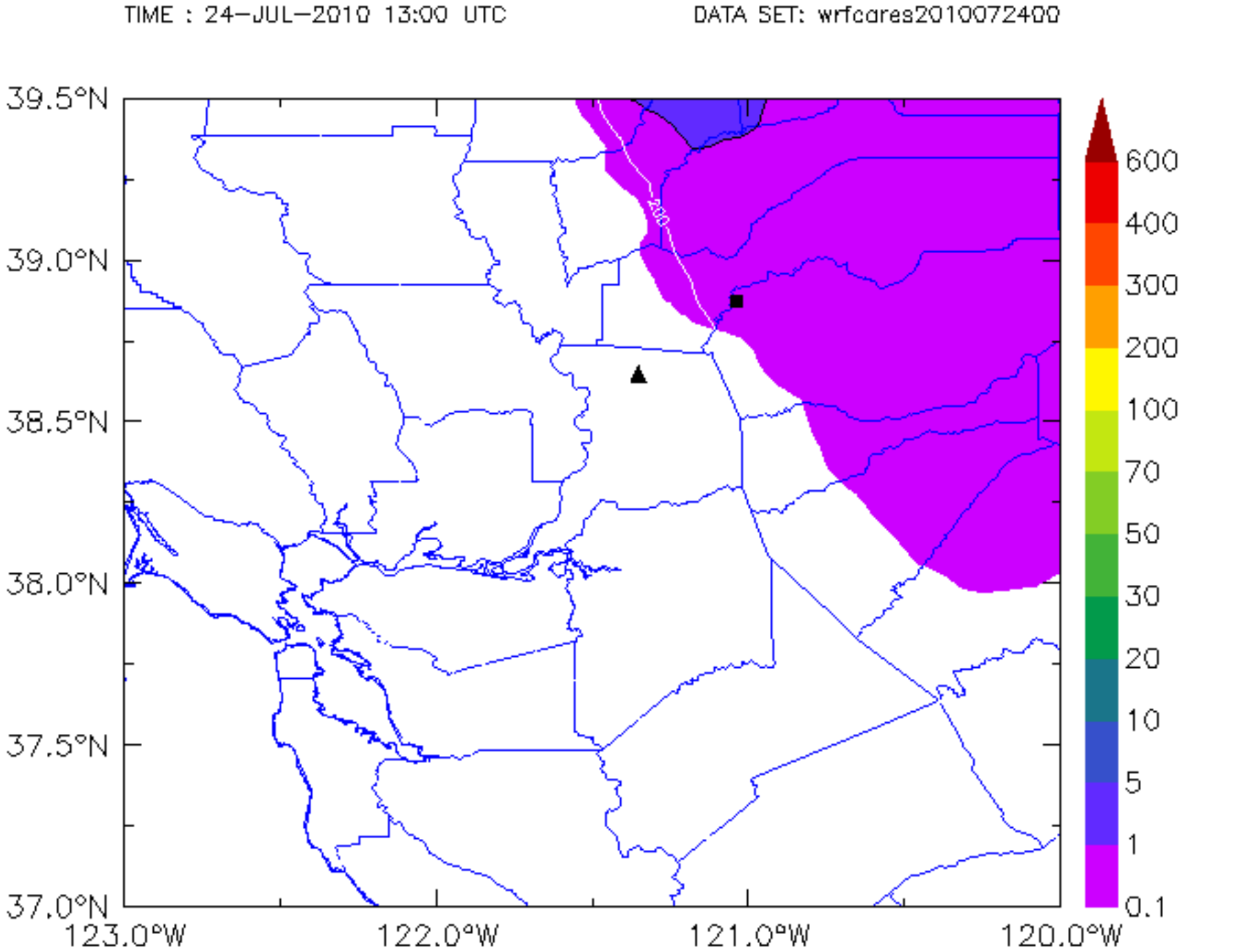
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

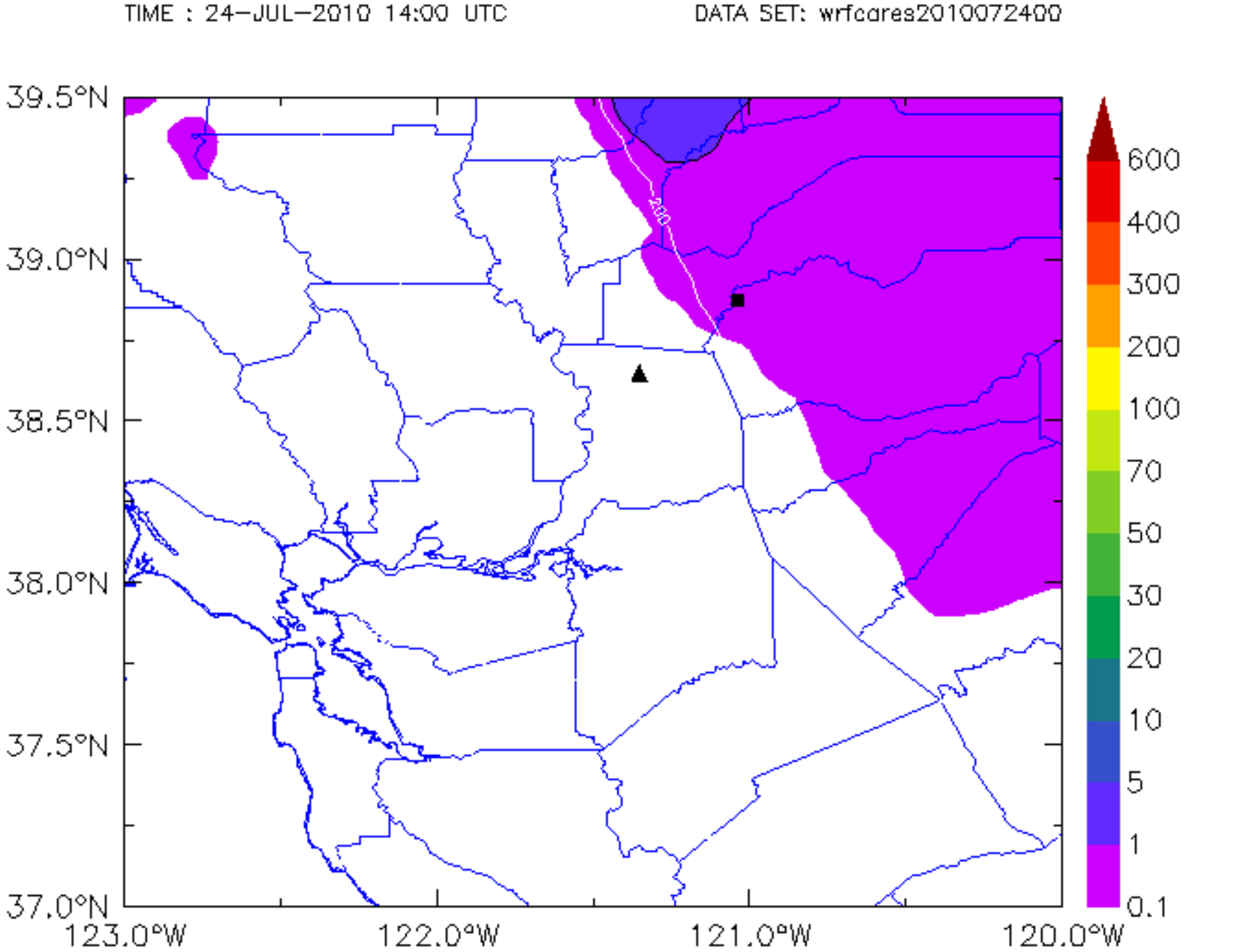
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 24-JUL-2010 12:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



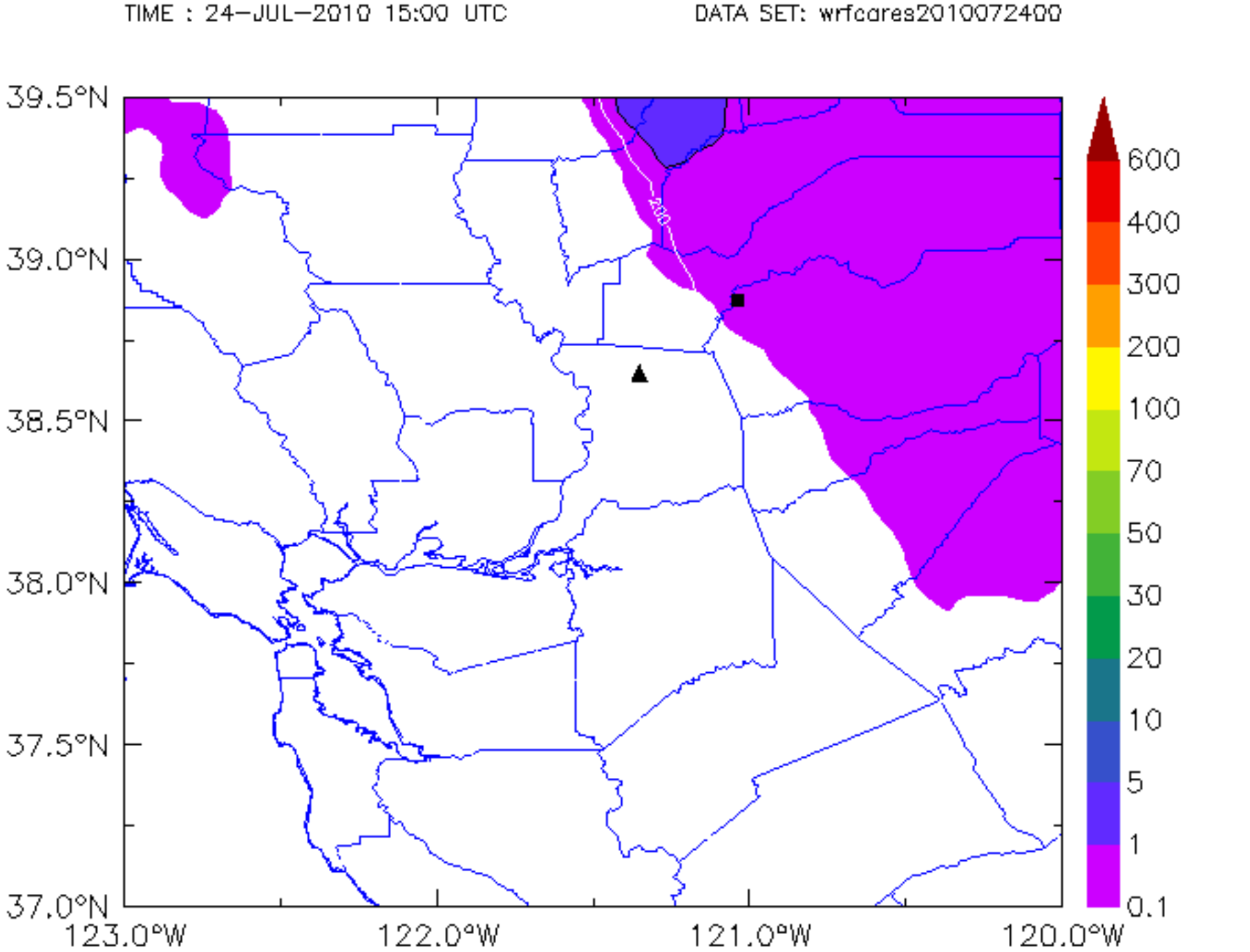
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



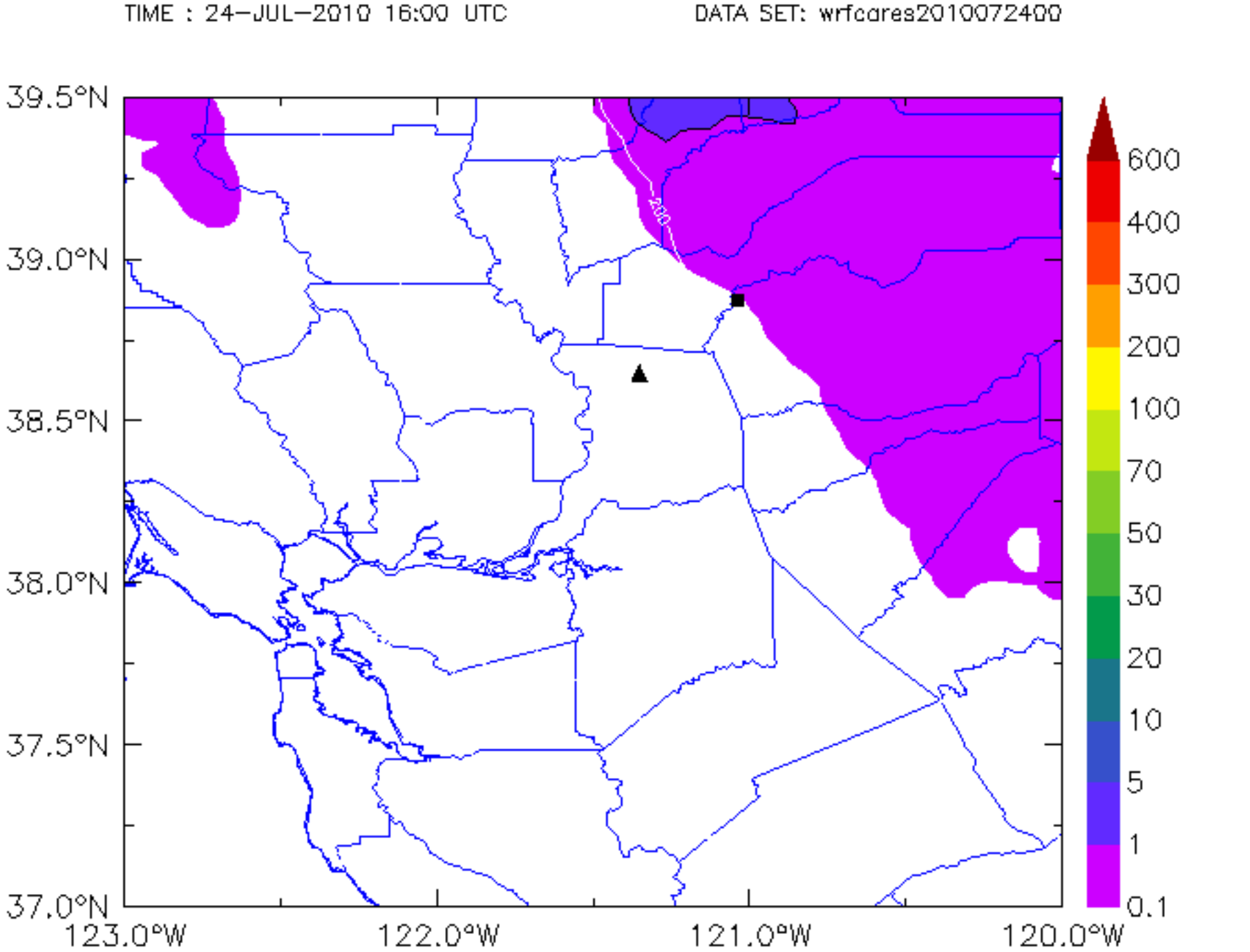
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



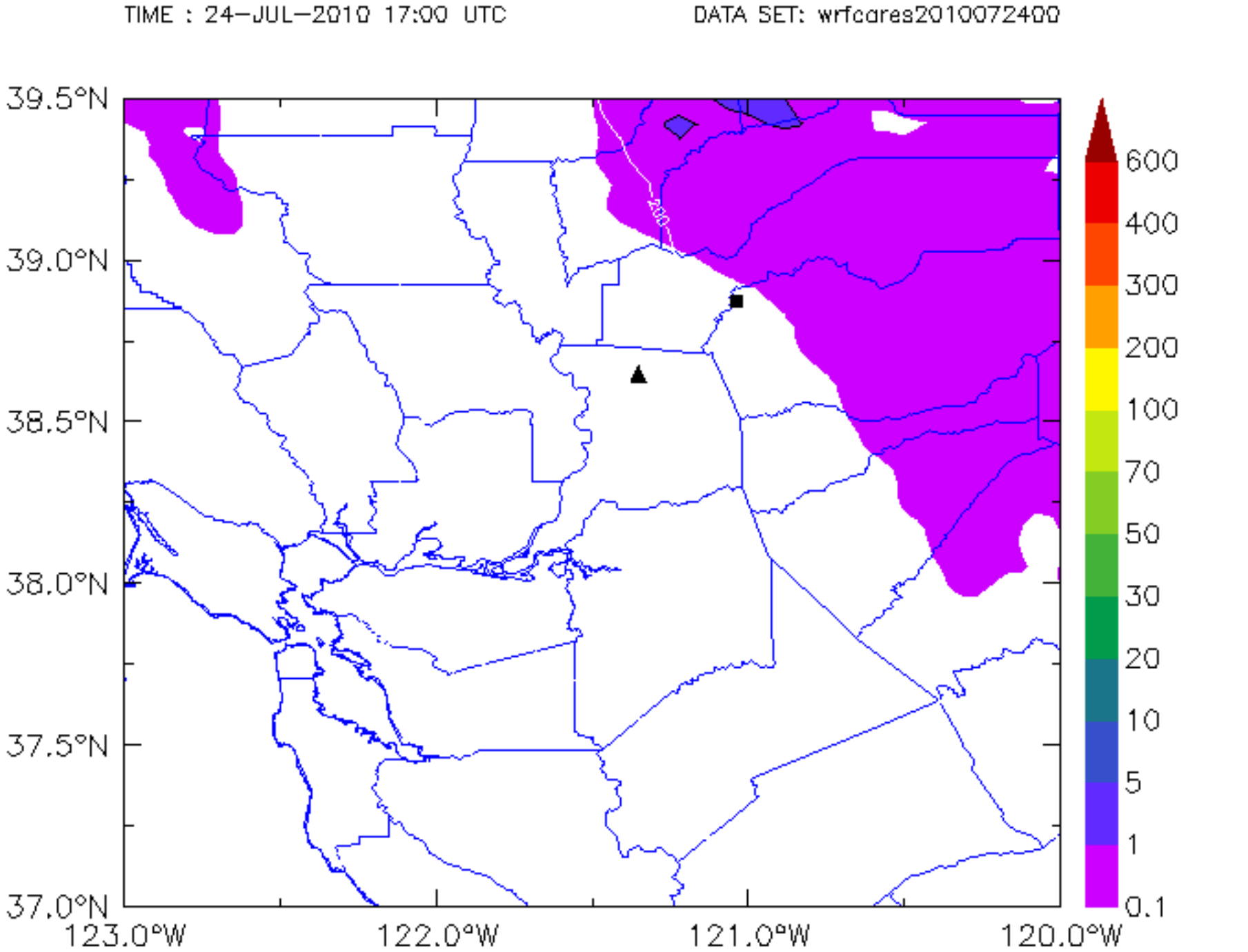
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



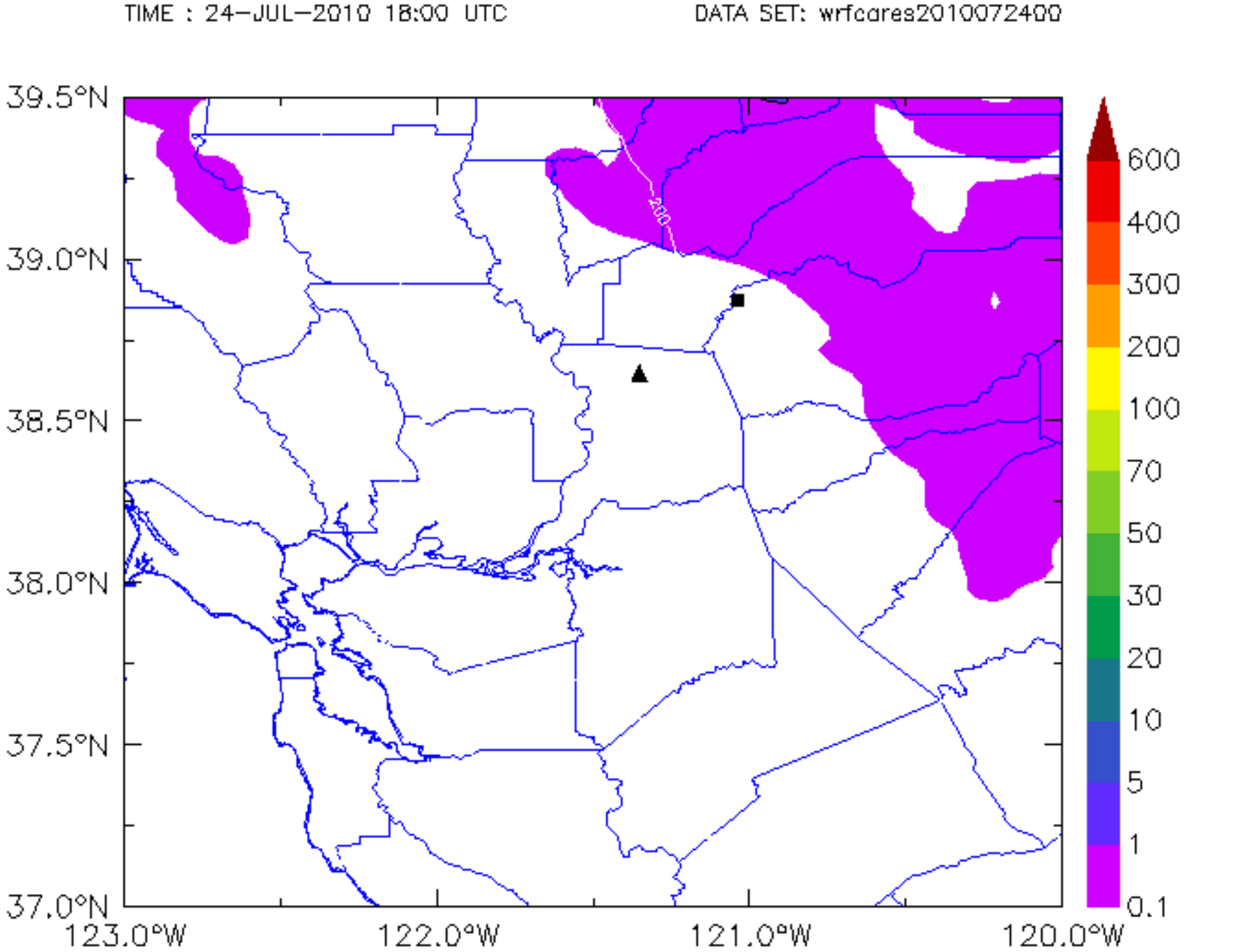
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



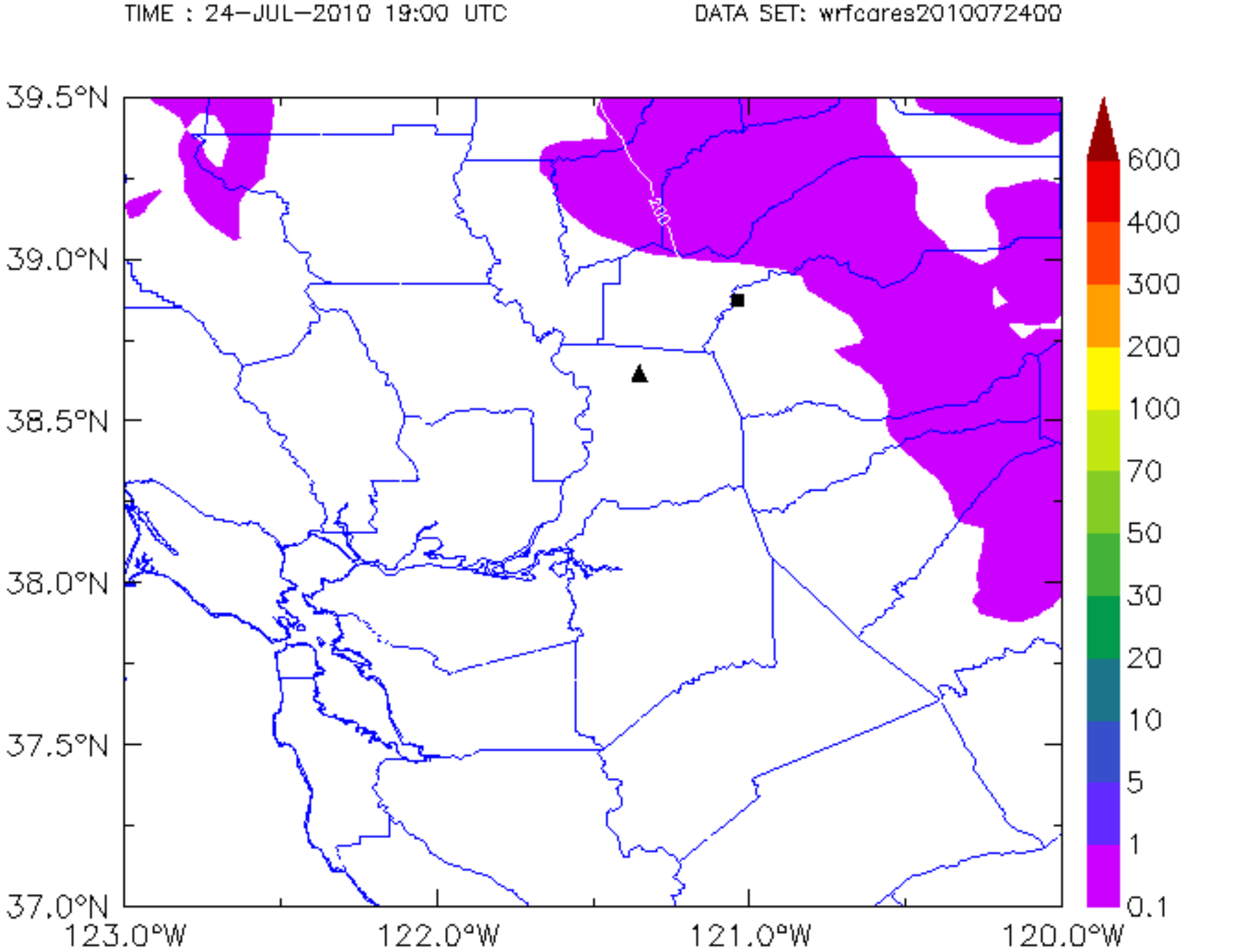
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



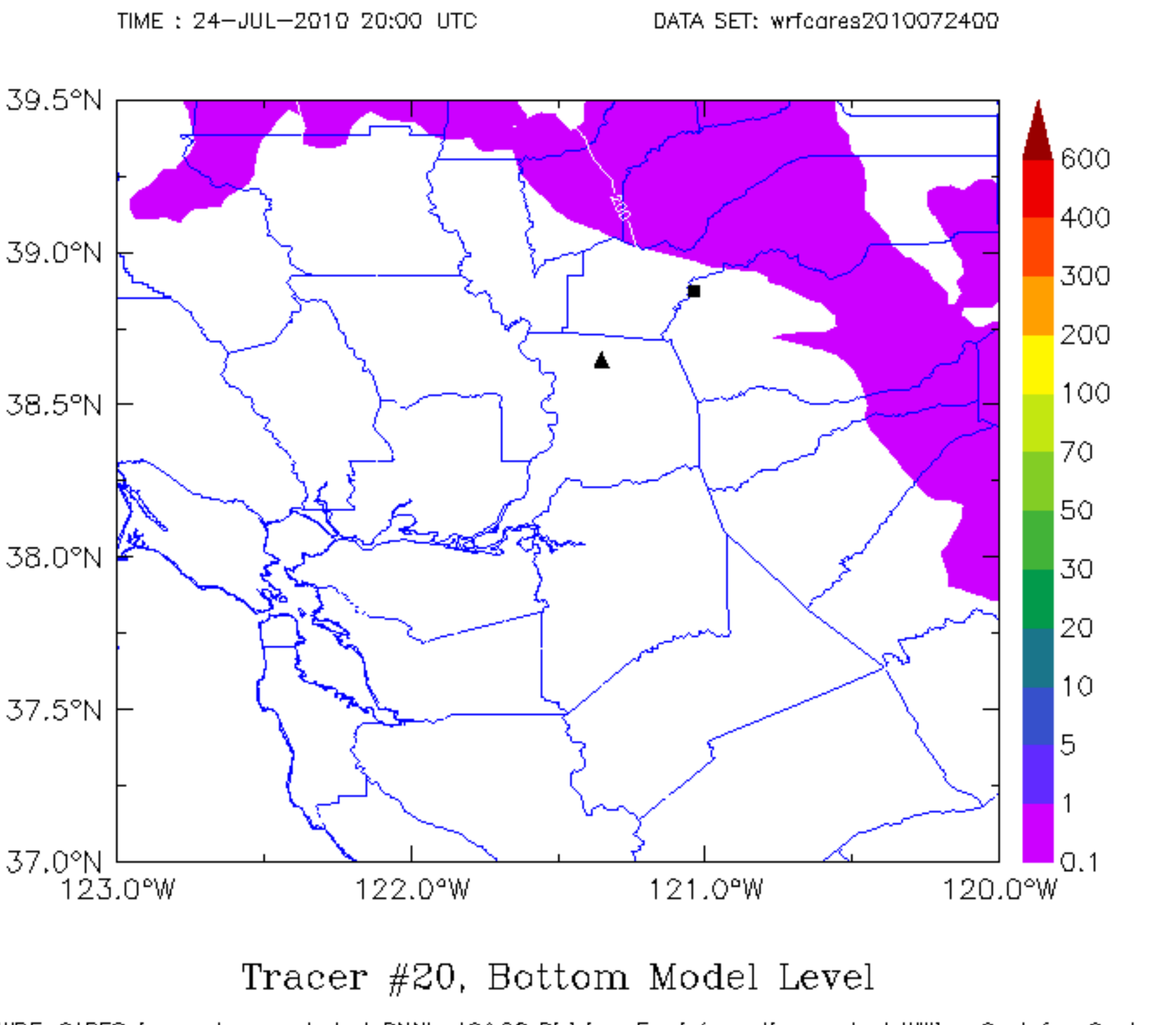
Tracer #20, Bottom Model Level

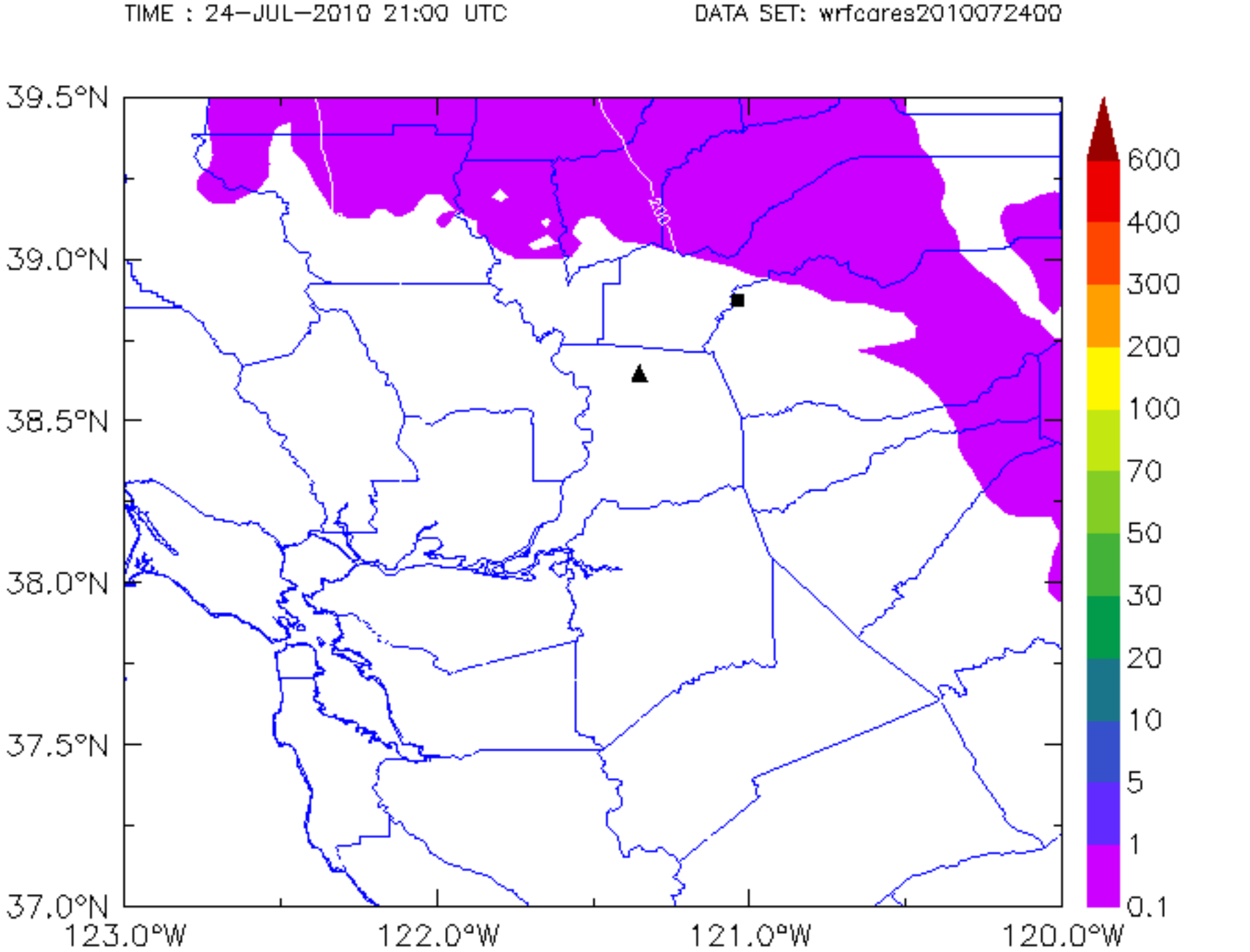
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

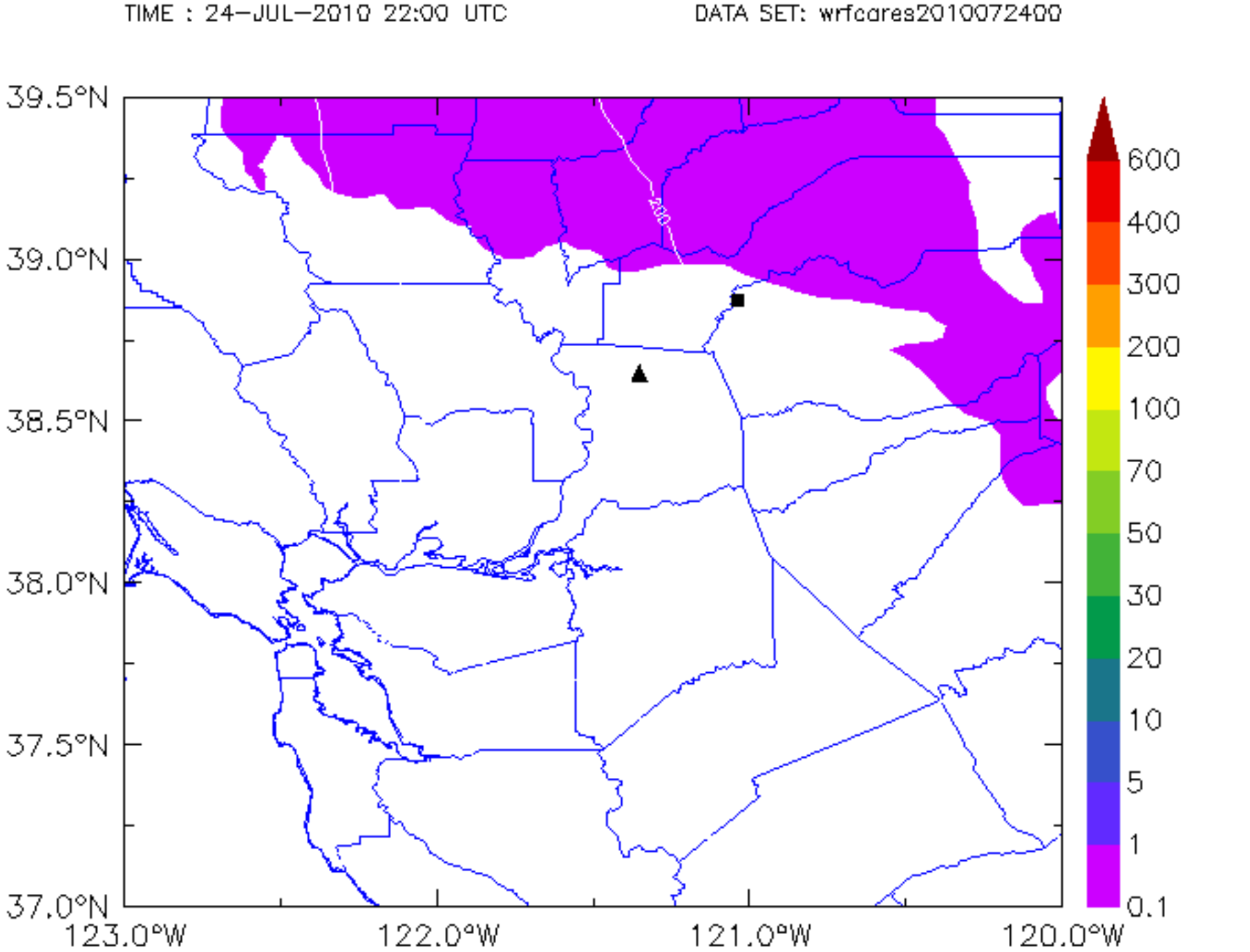
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 24-JUL-2010 20:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
200
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



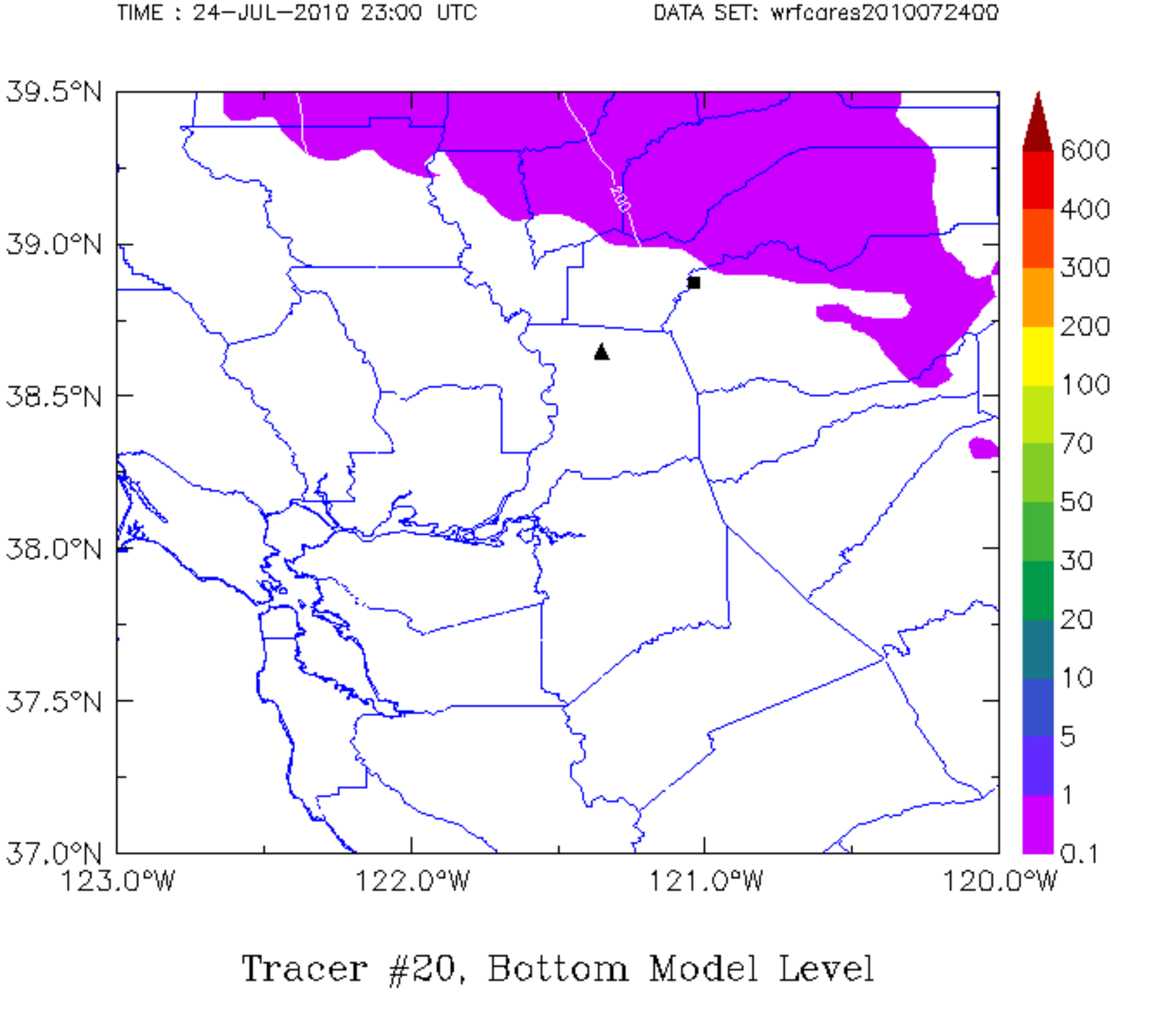
Tracer #20, Bottom Model Level

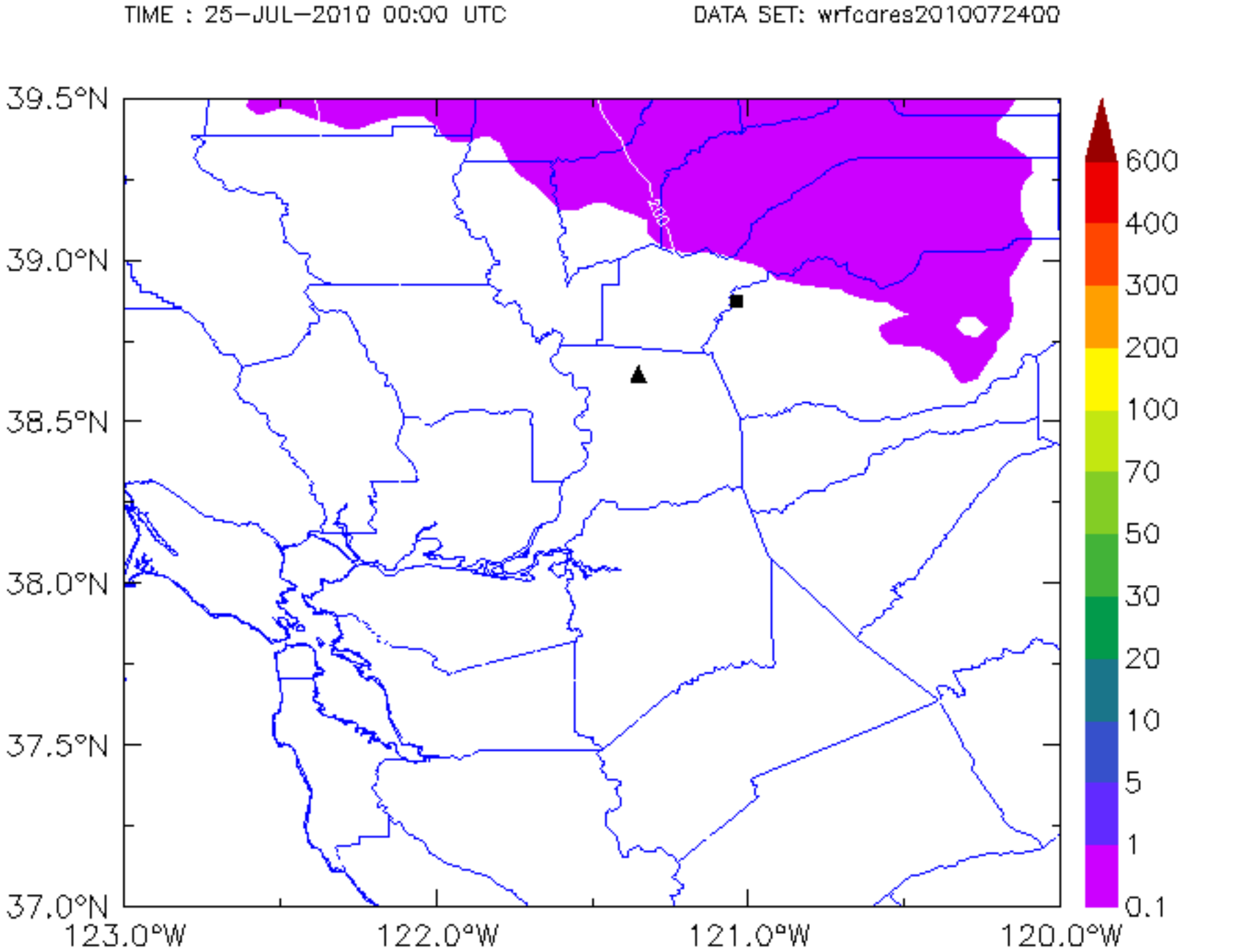
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

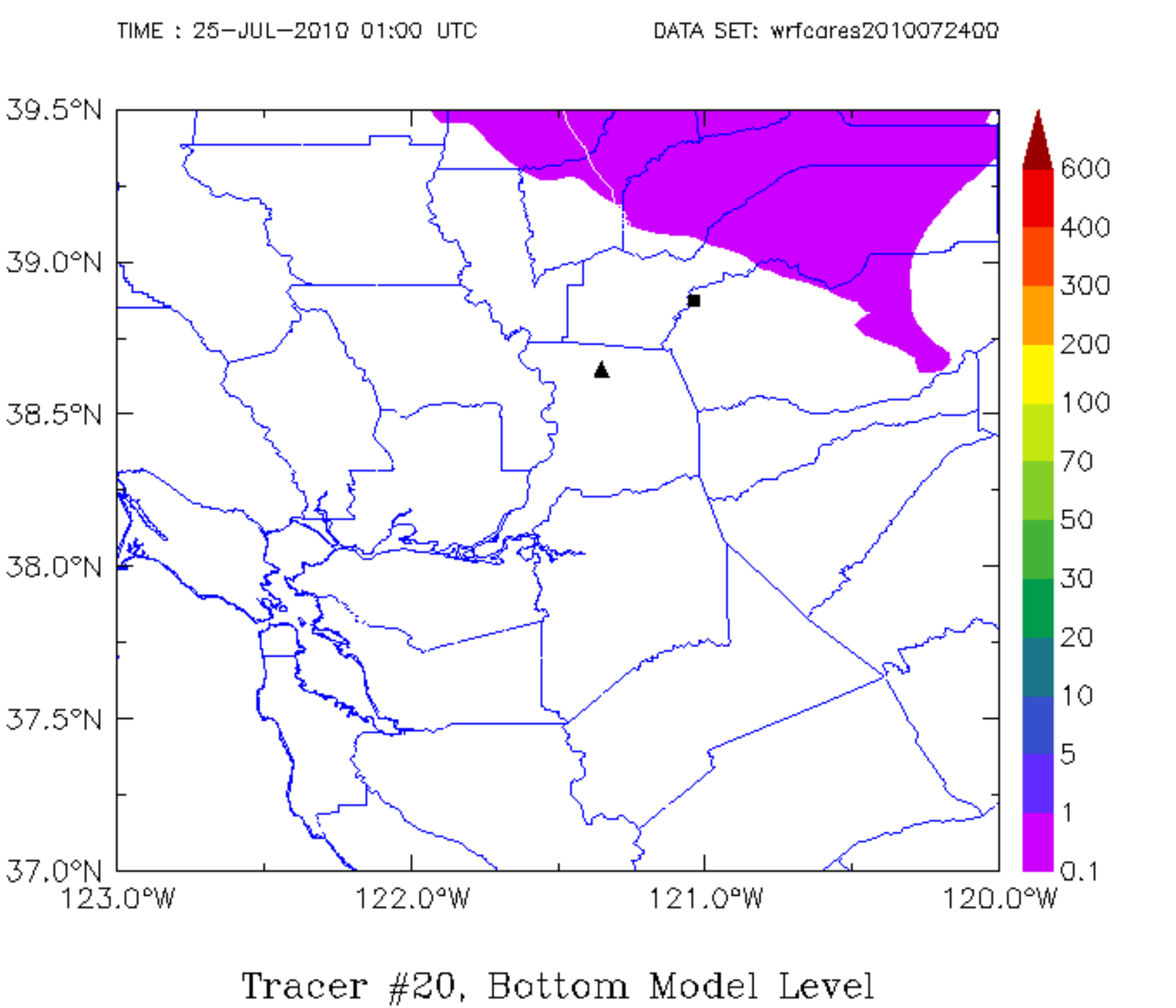
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 24-JUL-2010 23:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
200
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



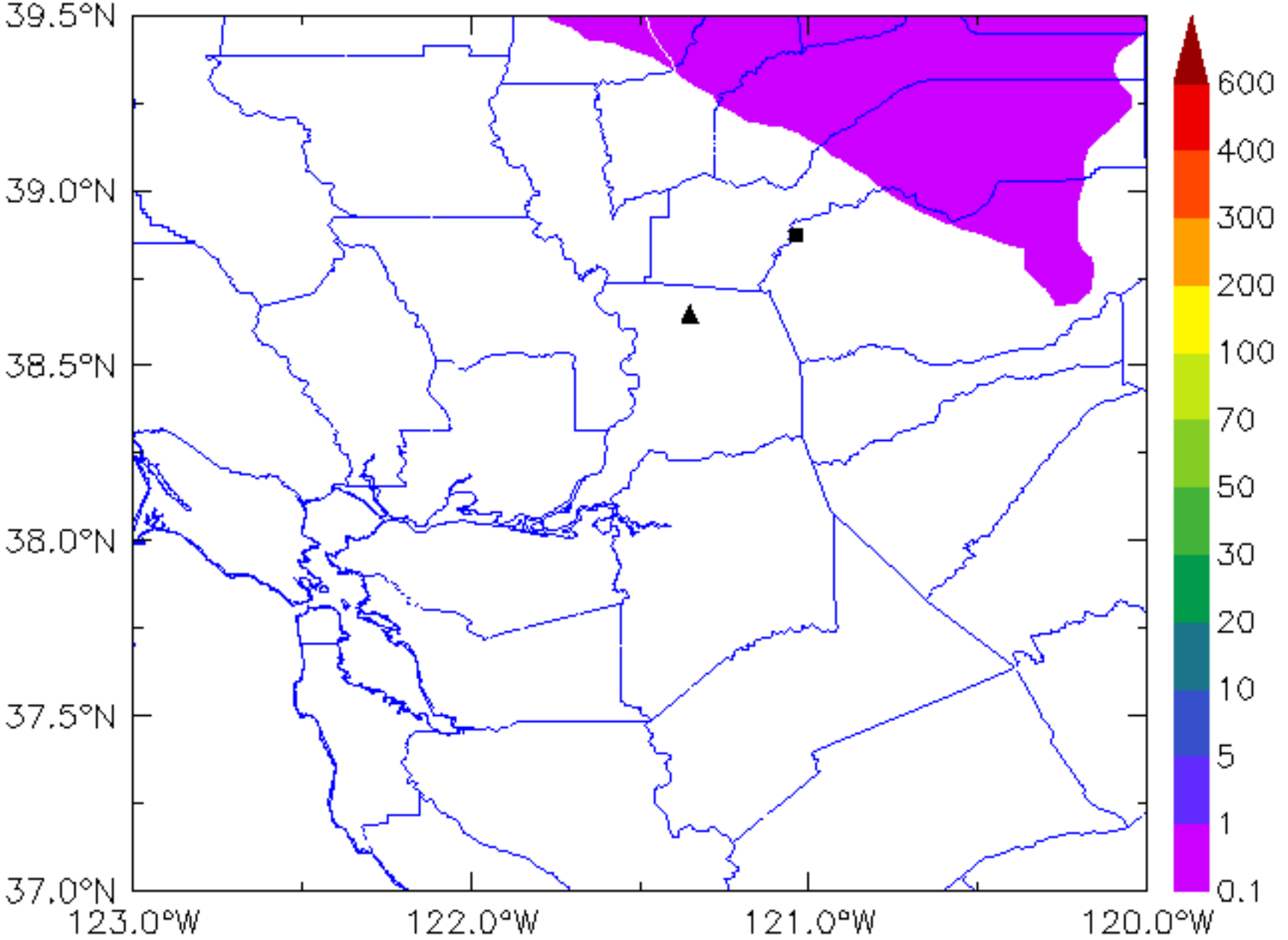
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 25-JUL-2010 01:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

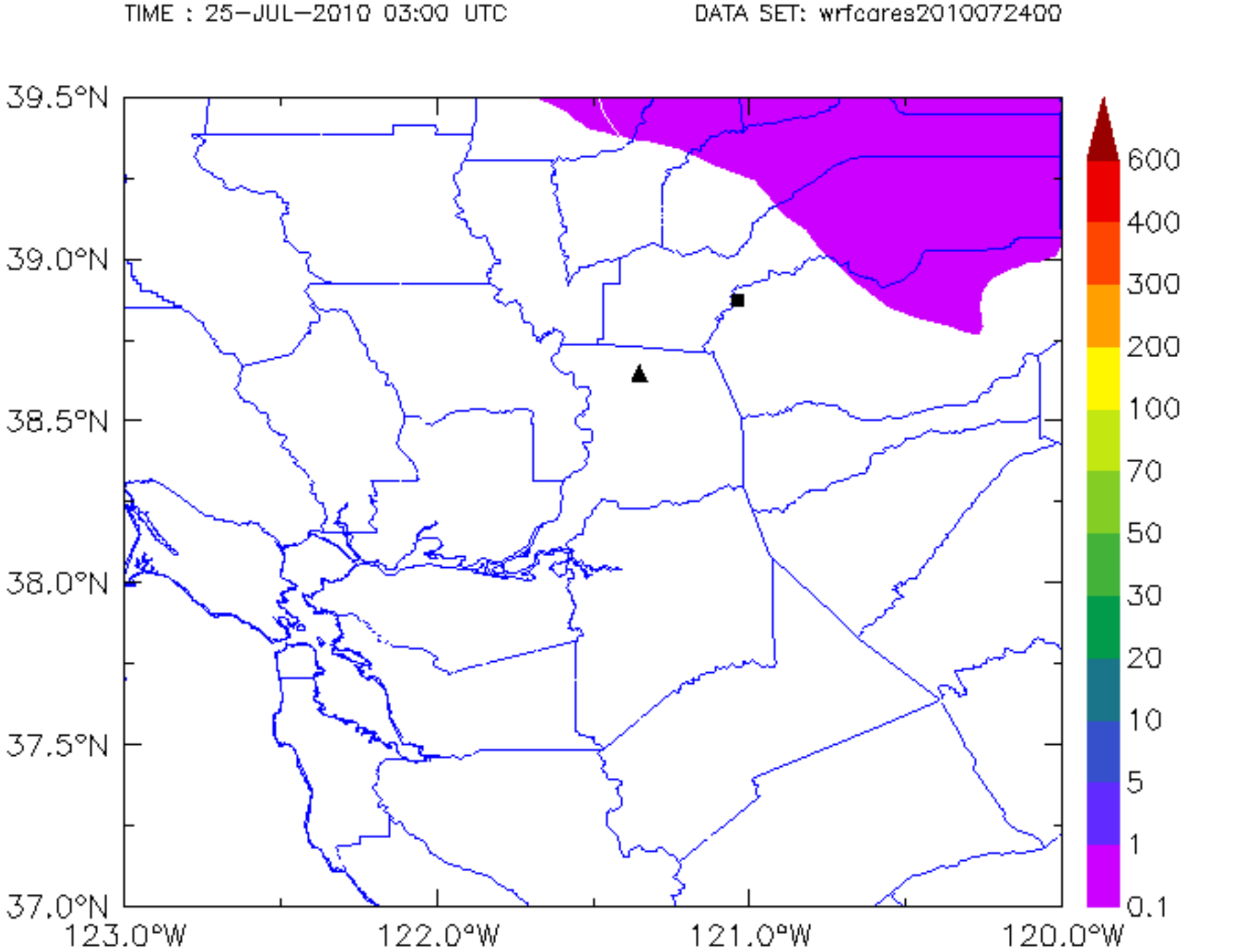
TIME : 25-JUL-2010 02:00 UTC

DATA SET: wrfcares2010072400



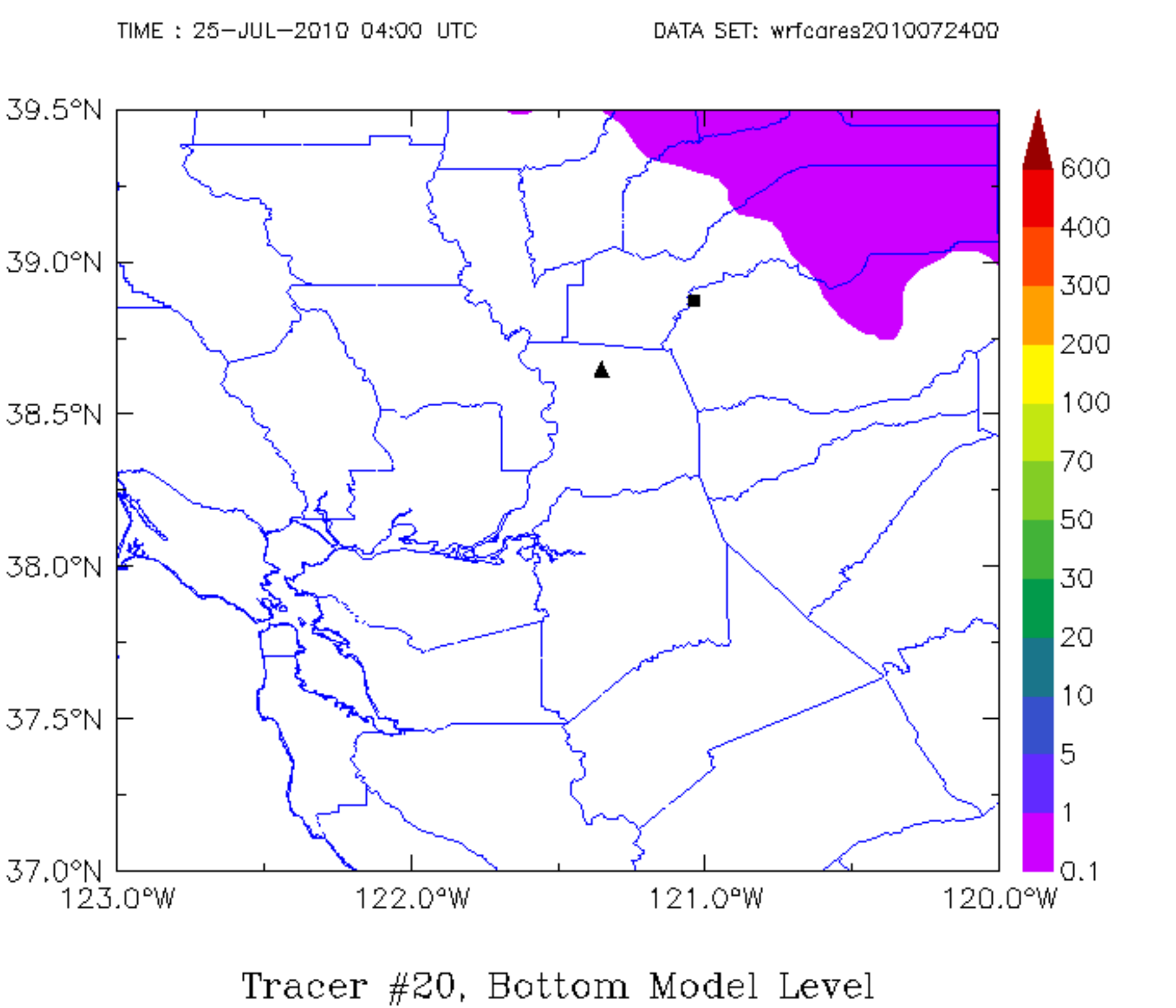
Tracer #20, Bottom Model Level

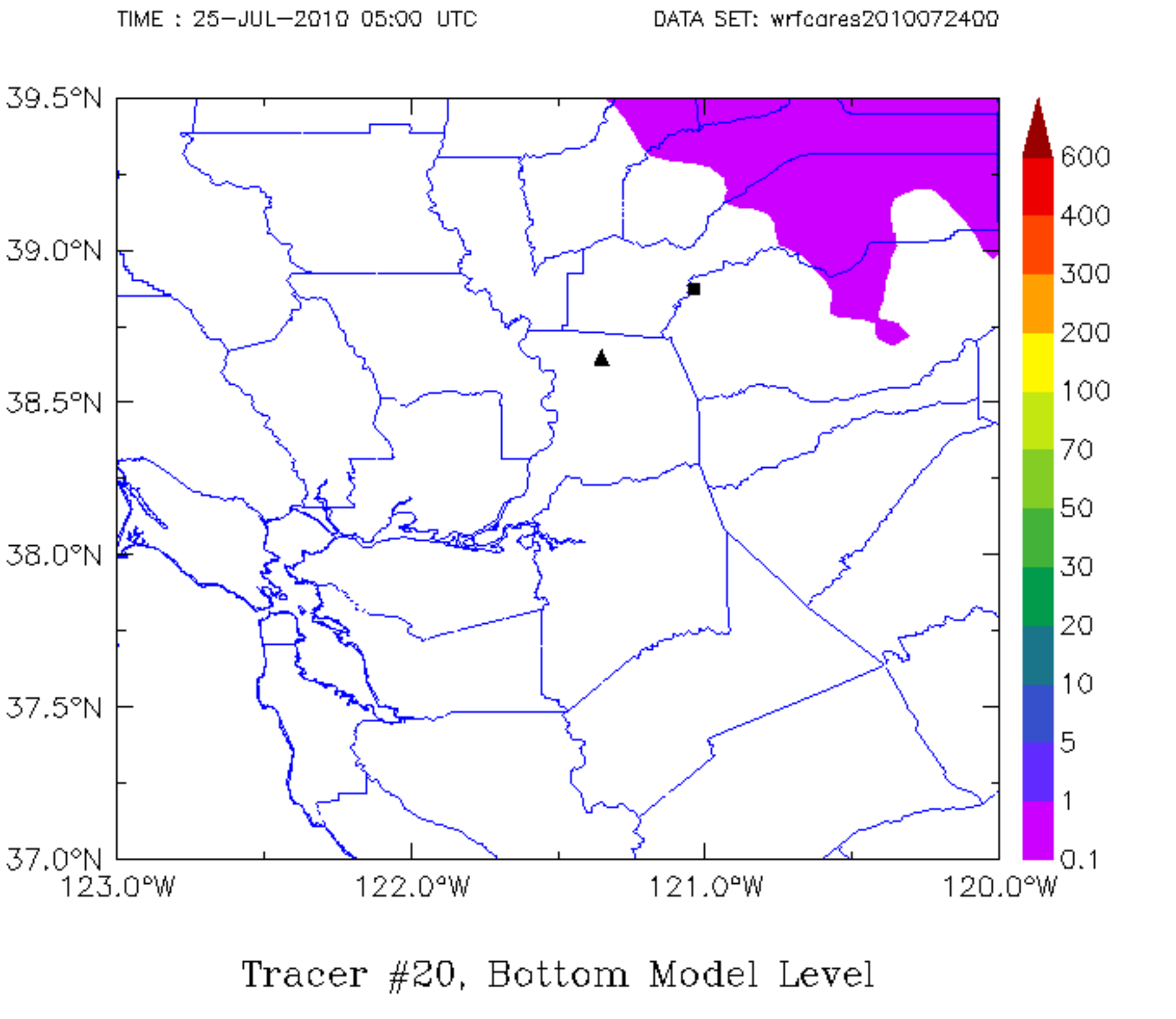
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

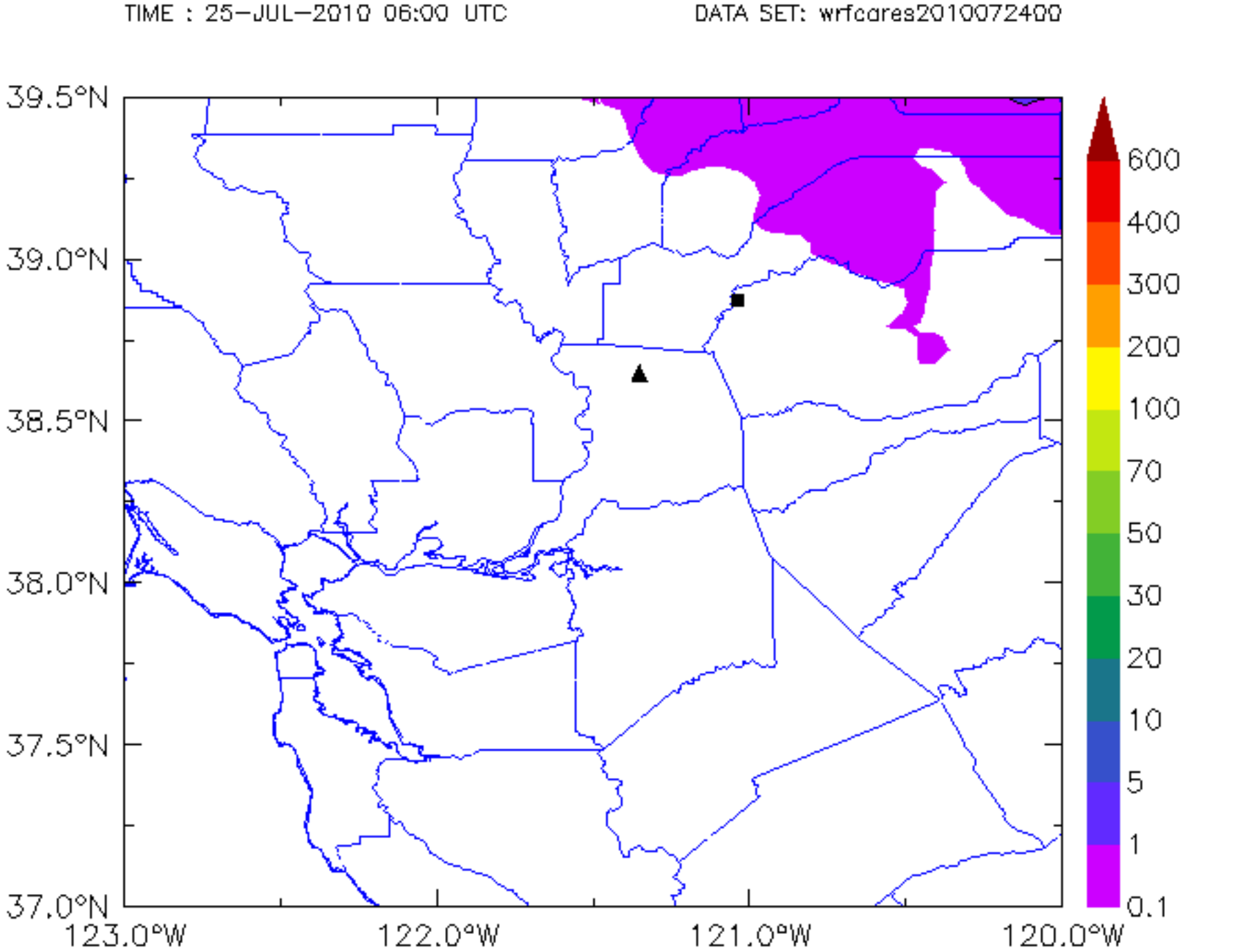


Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

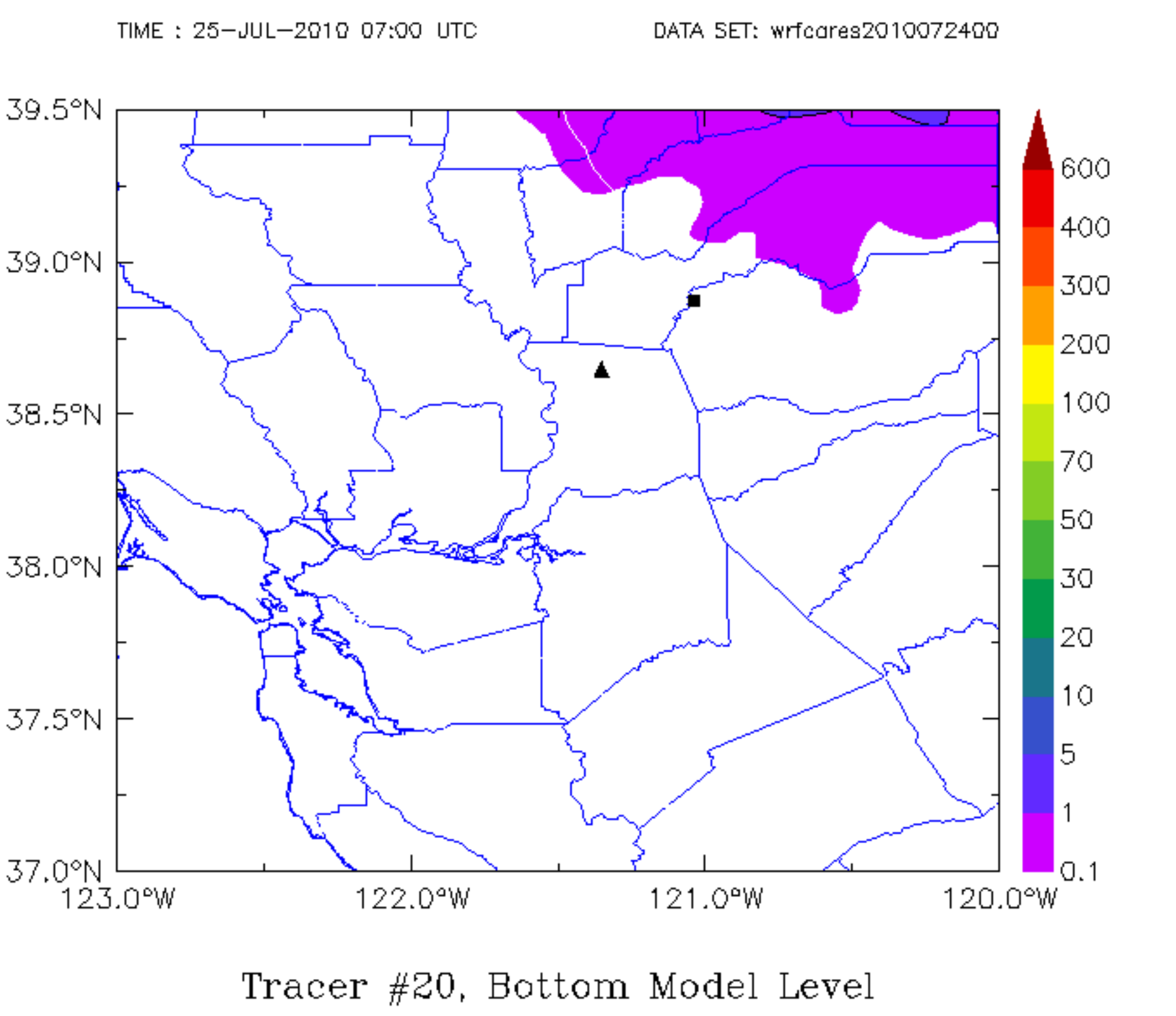

TIME : 25-JUL-2010 04:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

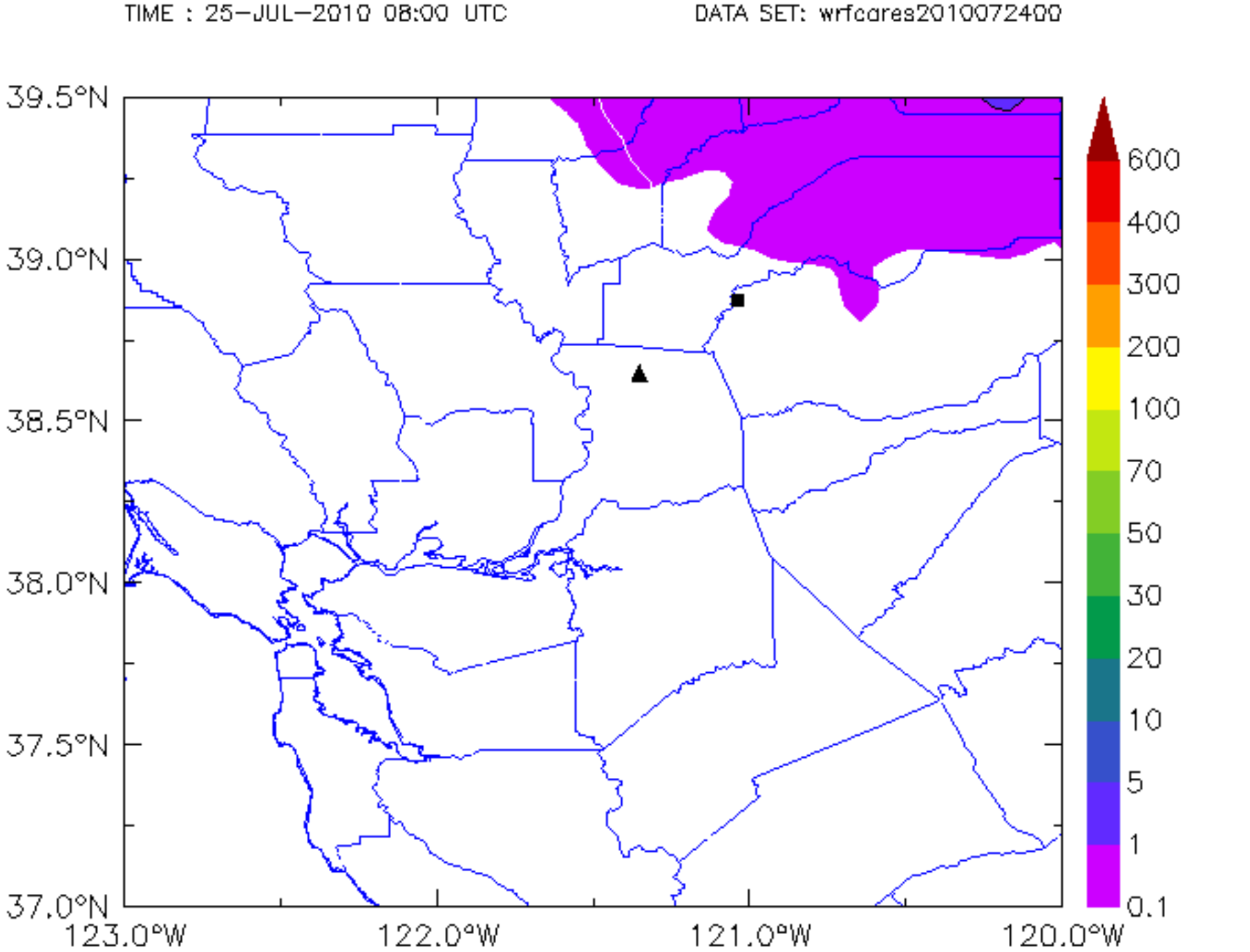

TIME : 25-JUL-2010 05:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

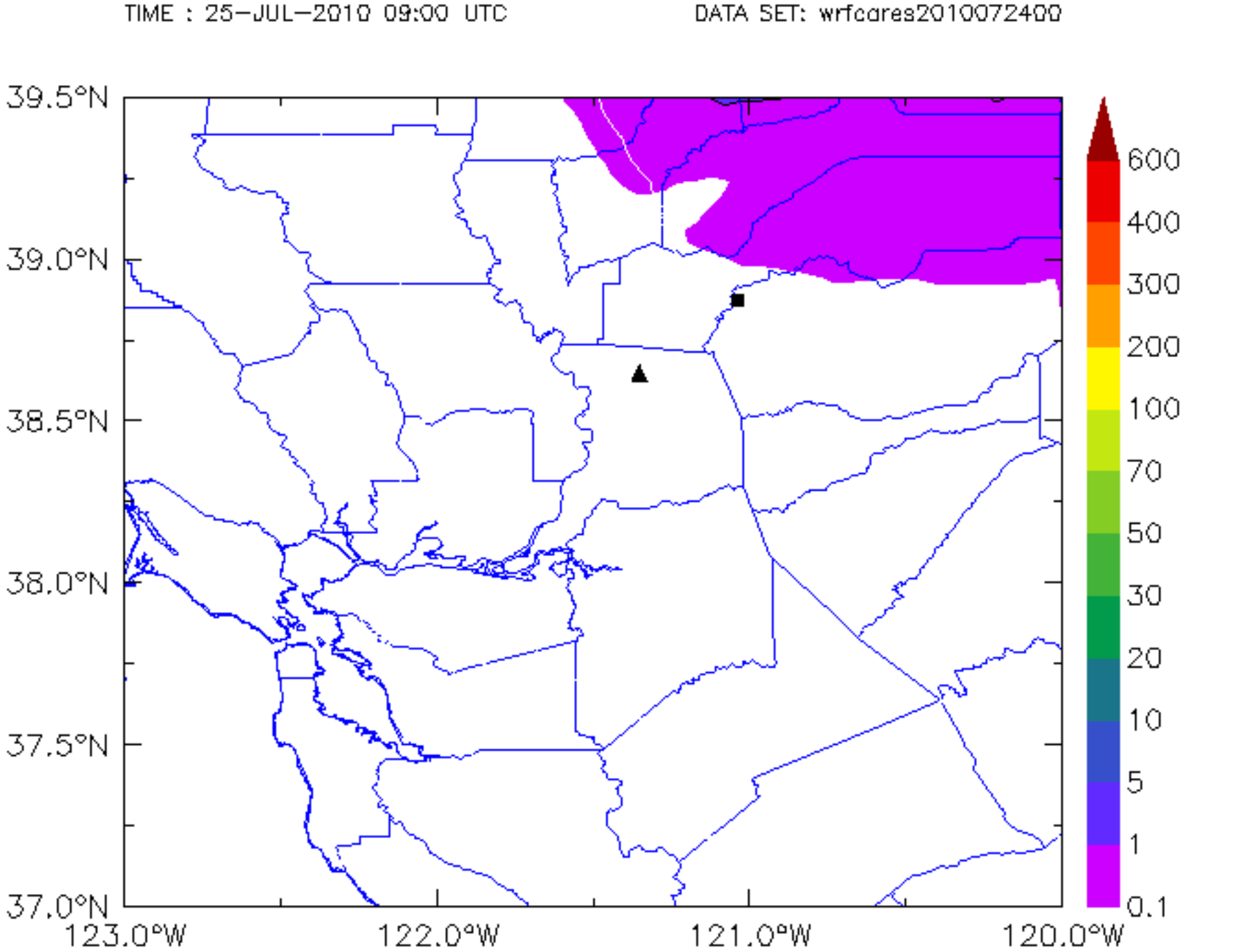
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 25-JUL-2010 07:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



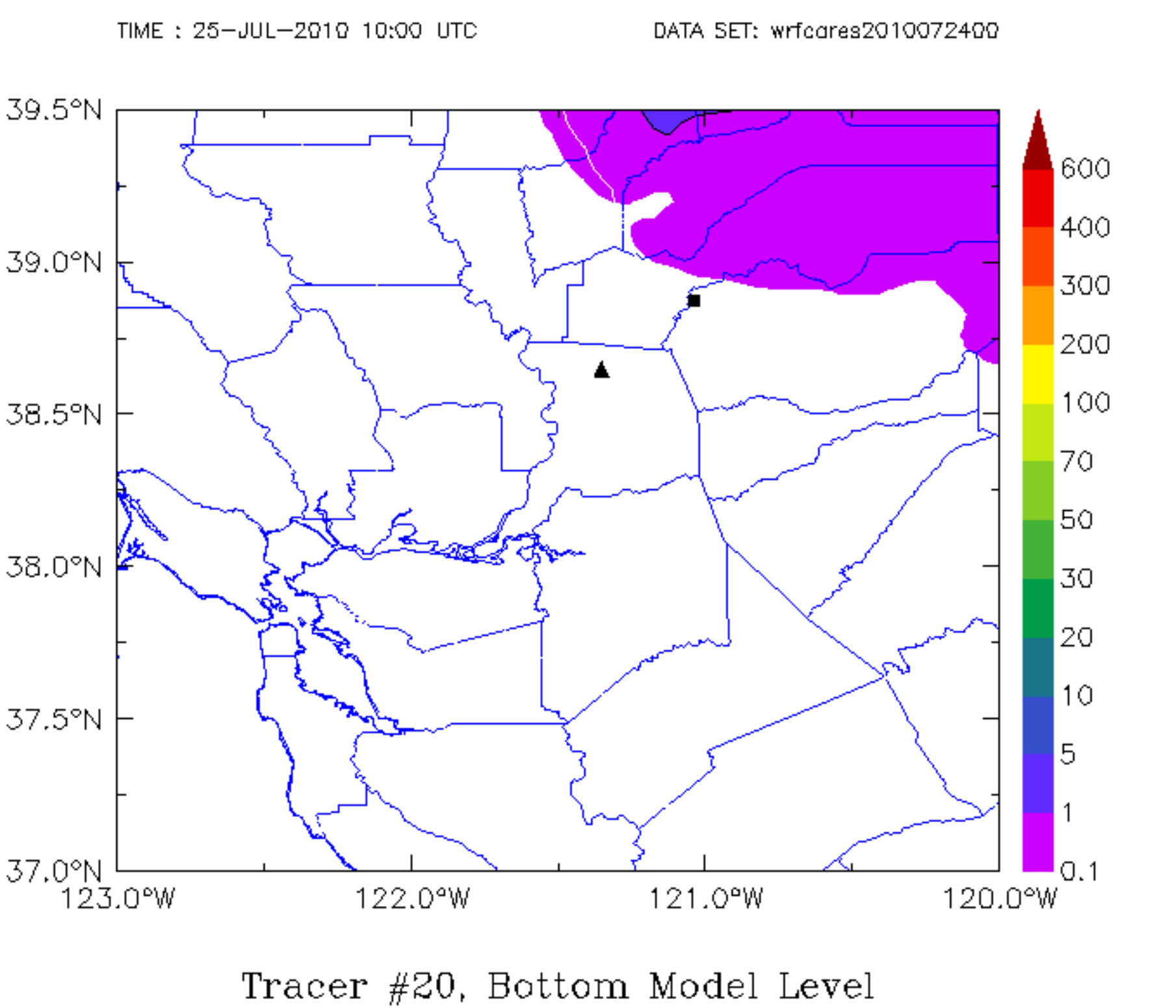
Tracer #20, Bottom Model Level

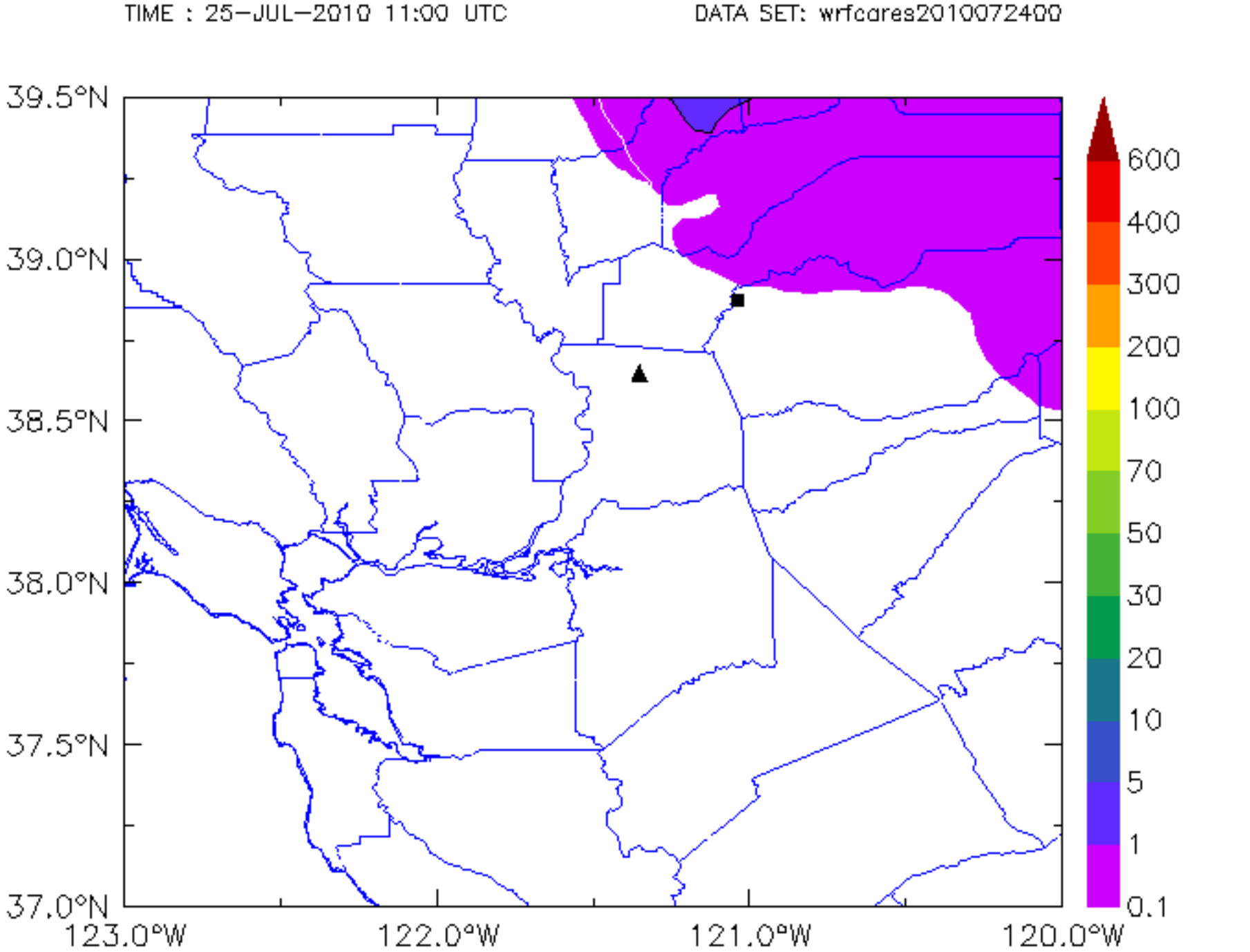
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

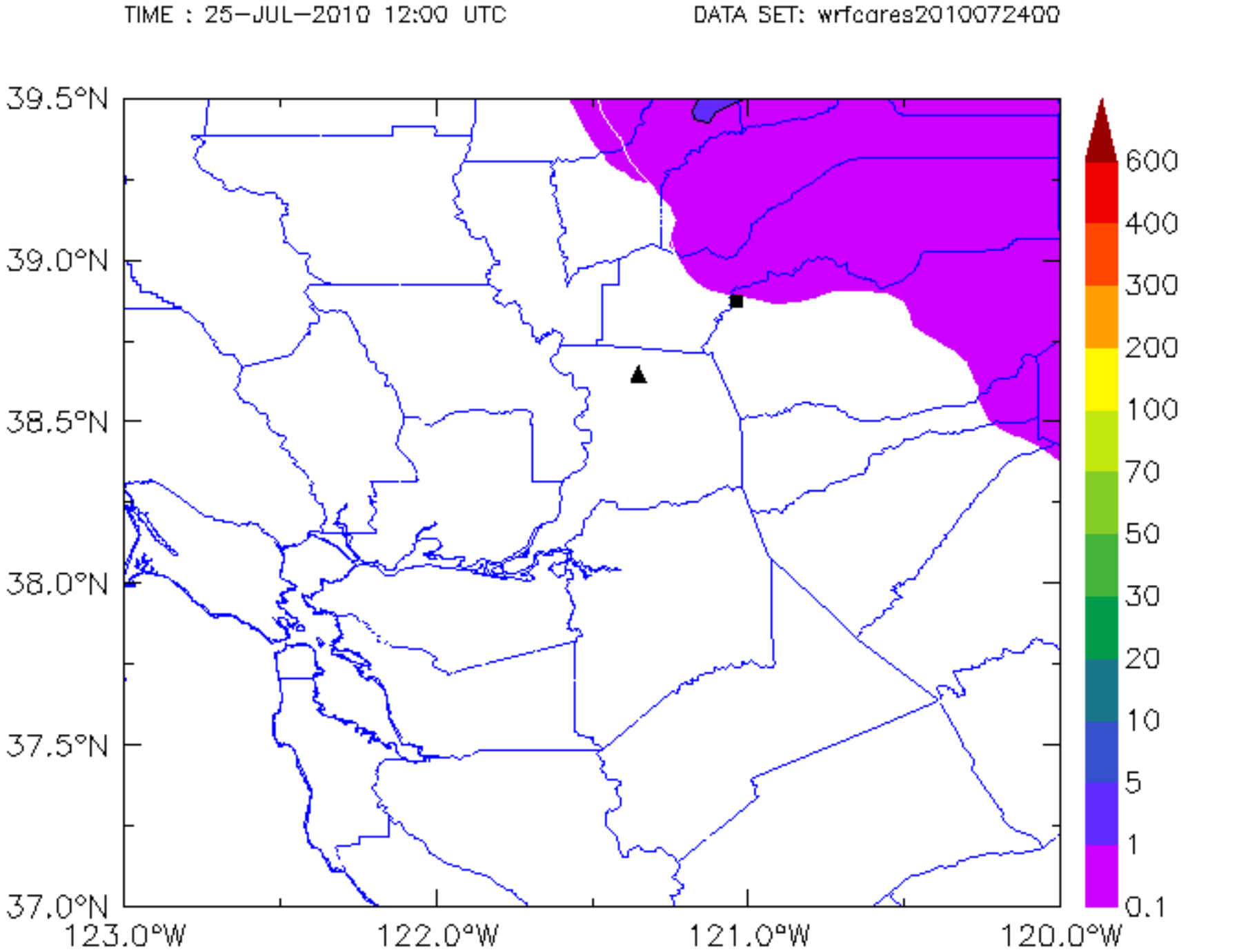
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 25-JUL-2010 10:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



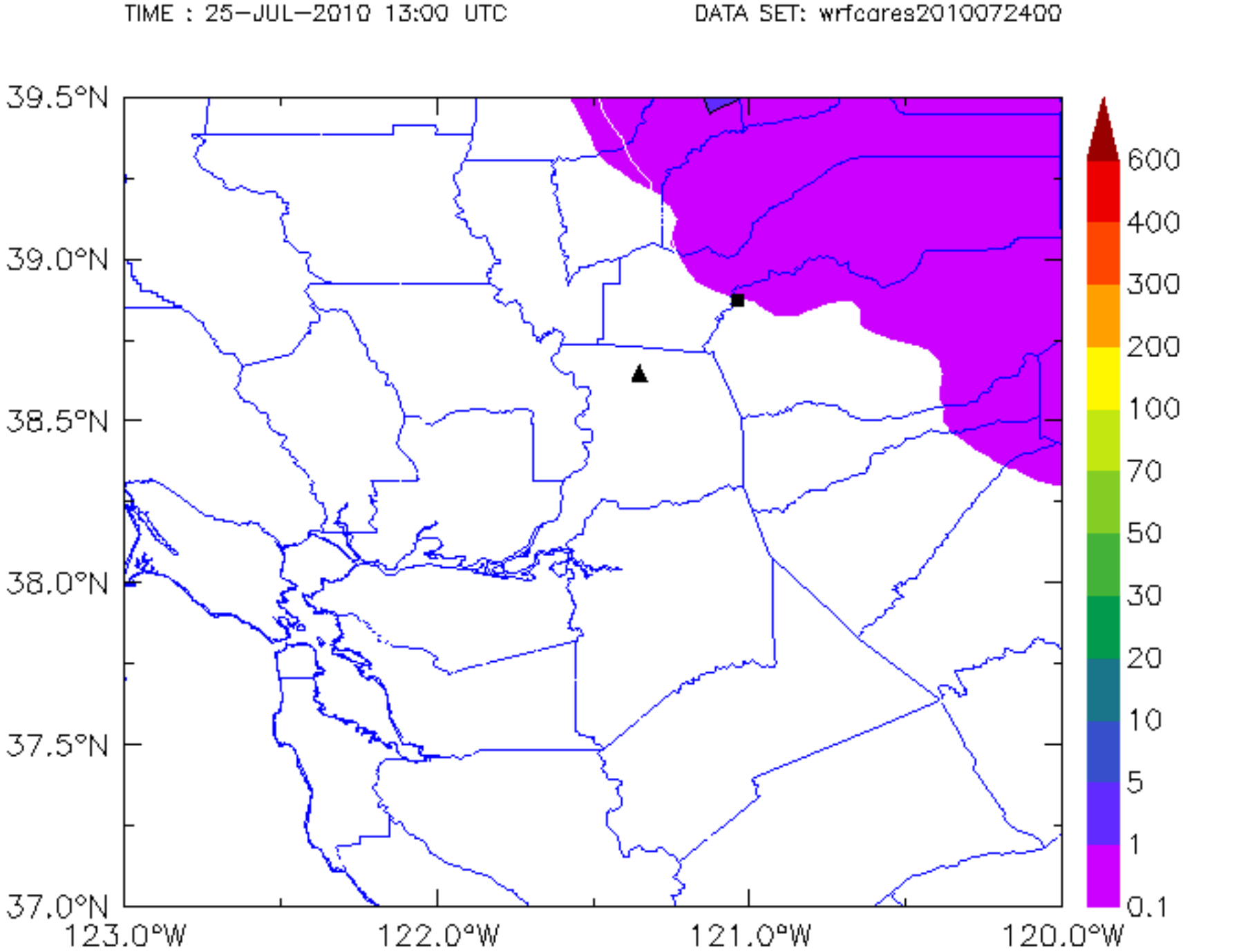
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



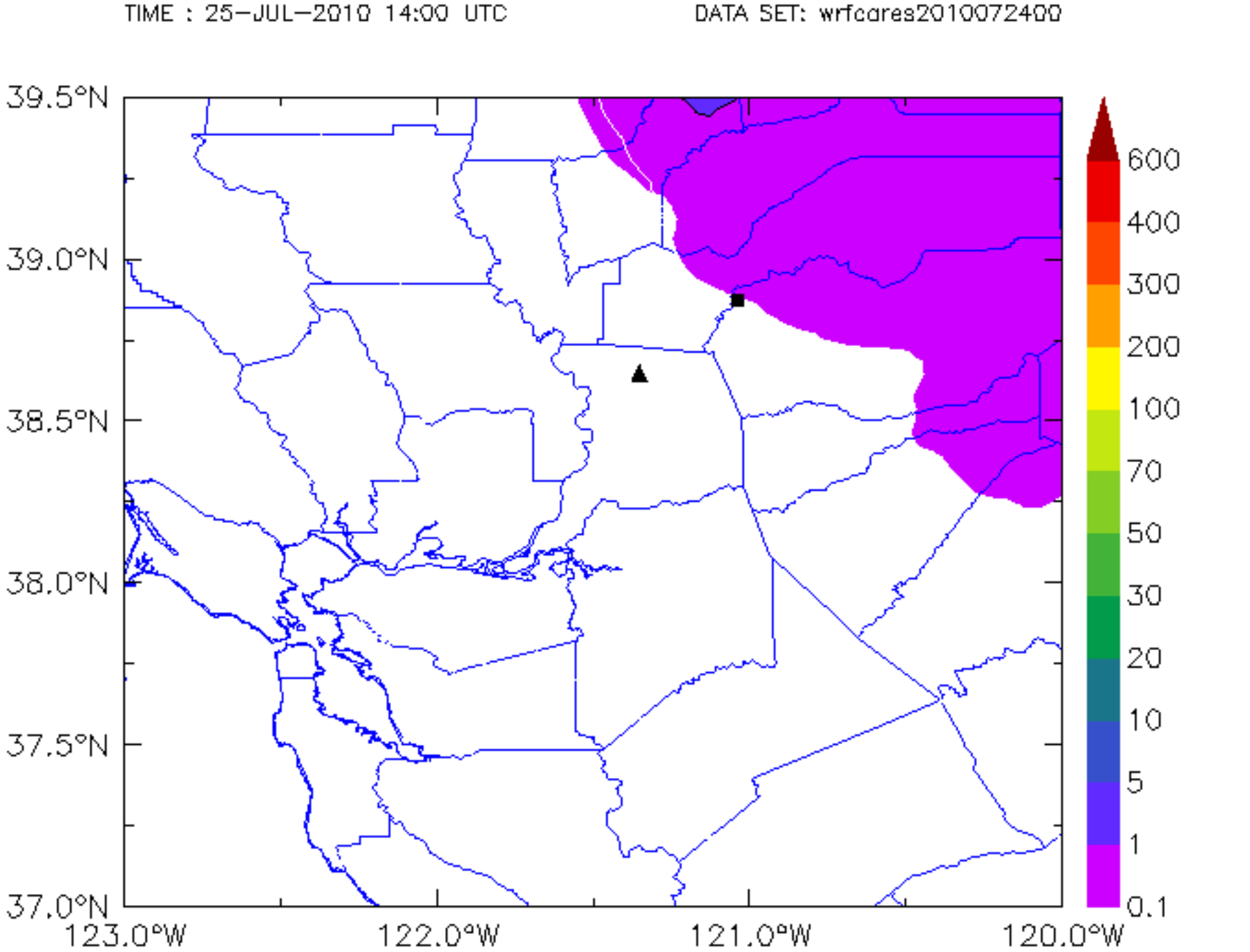
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



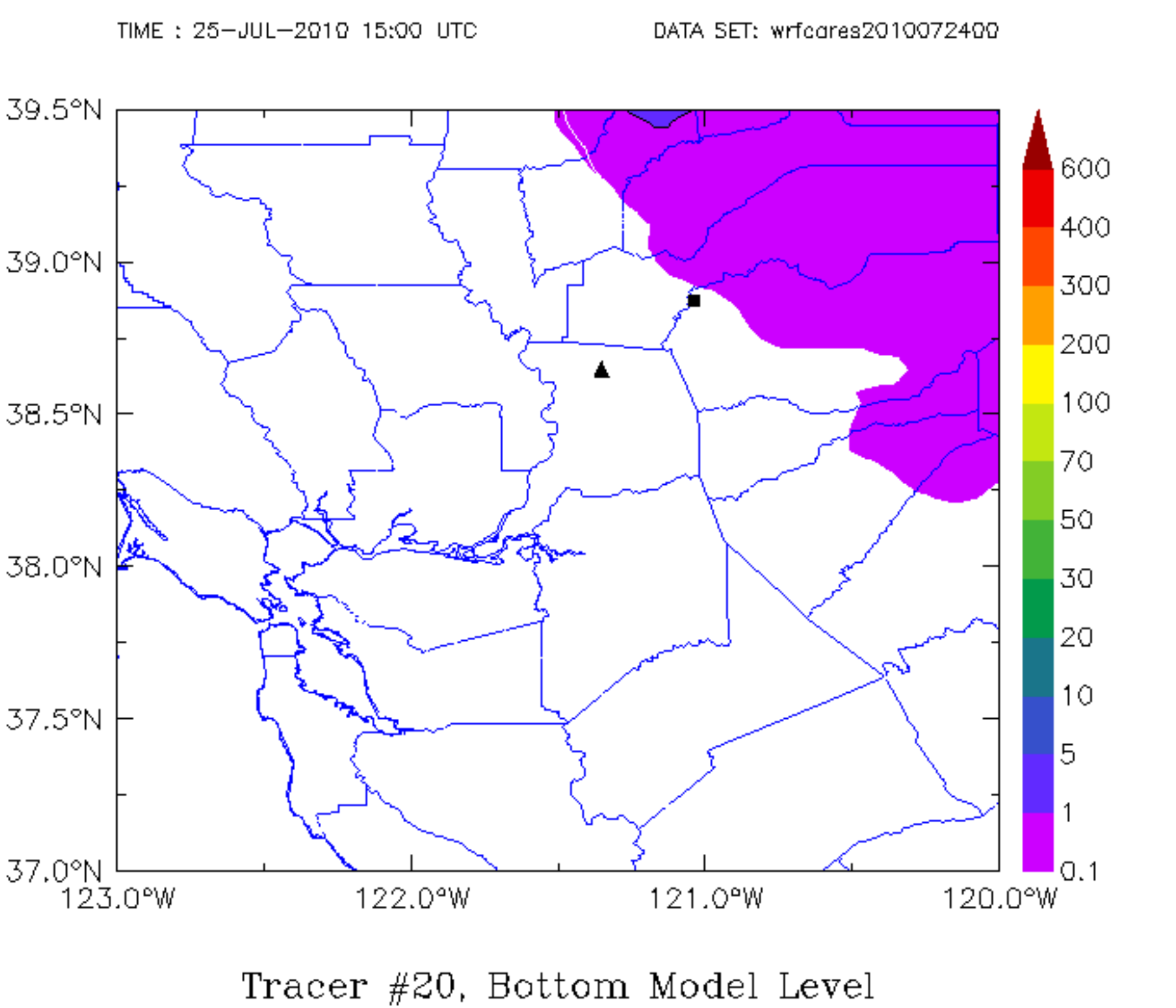
Tracer #20, Bottom Model Level

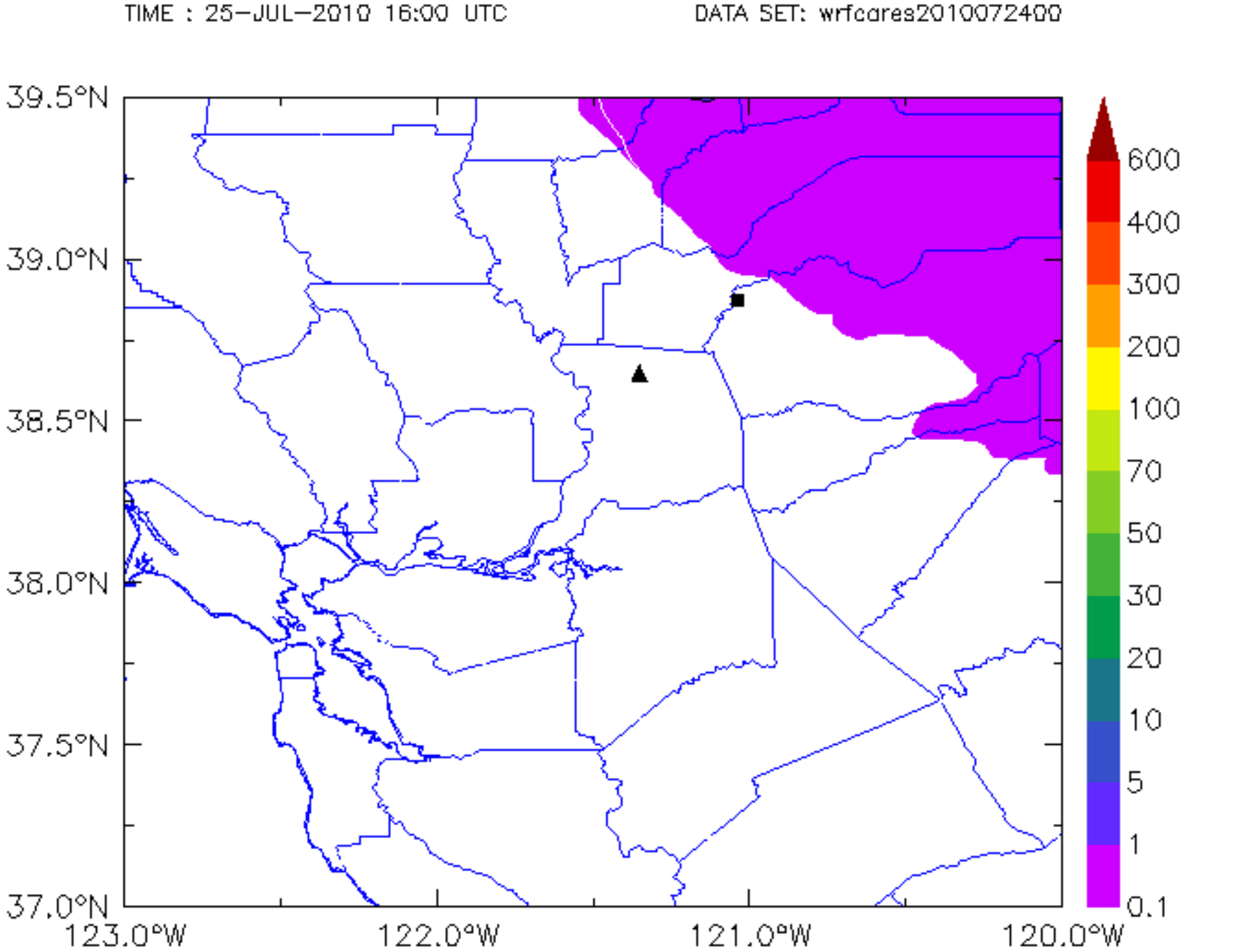
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

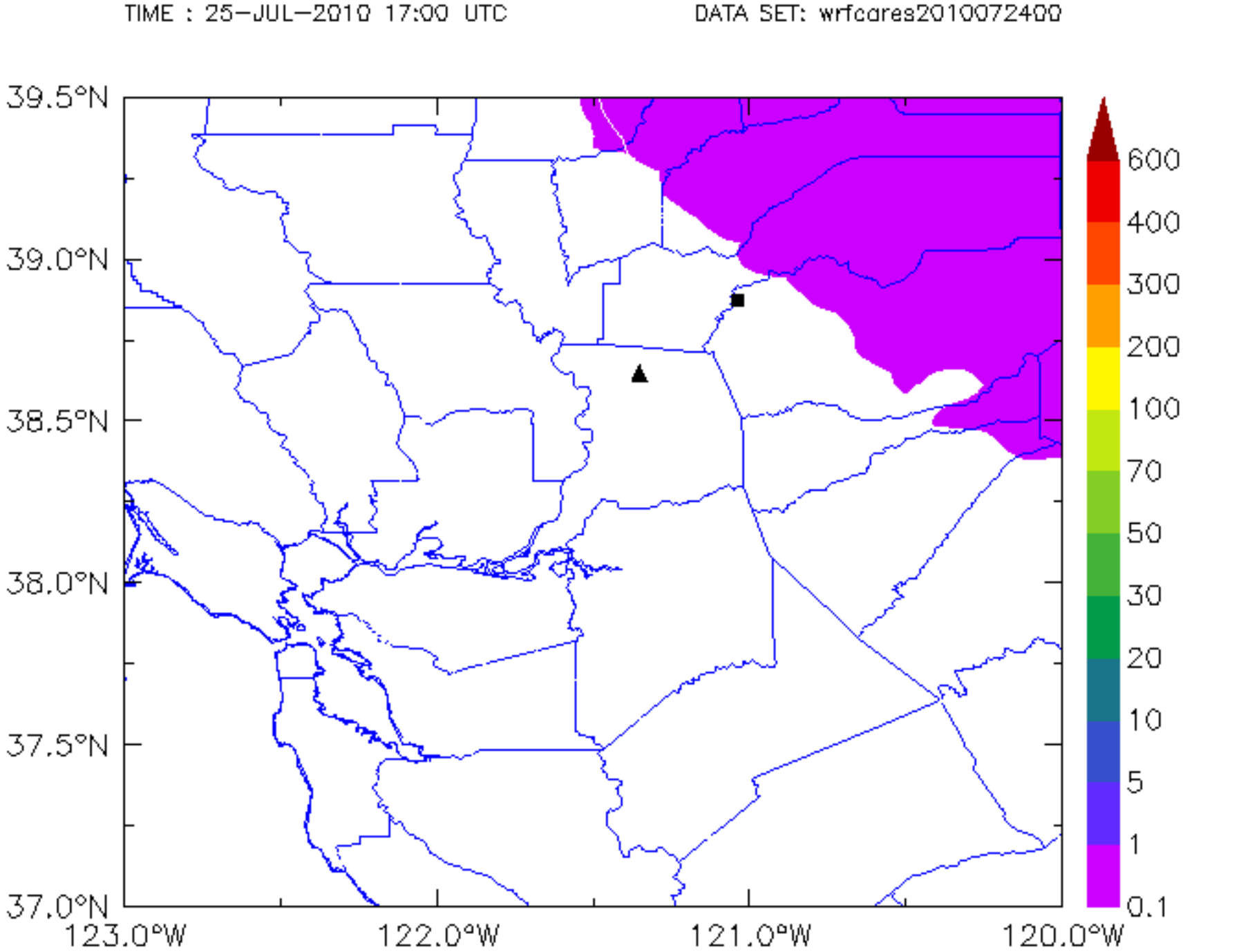
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 25-JUL-2010 15:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



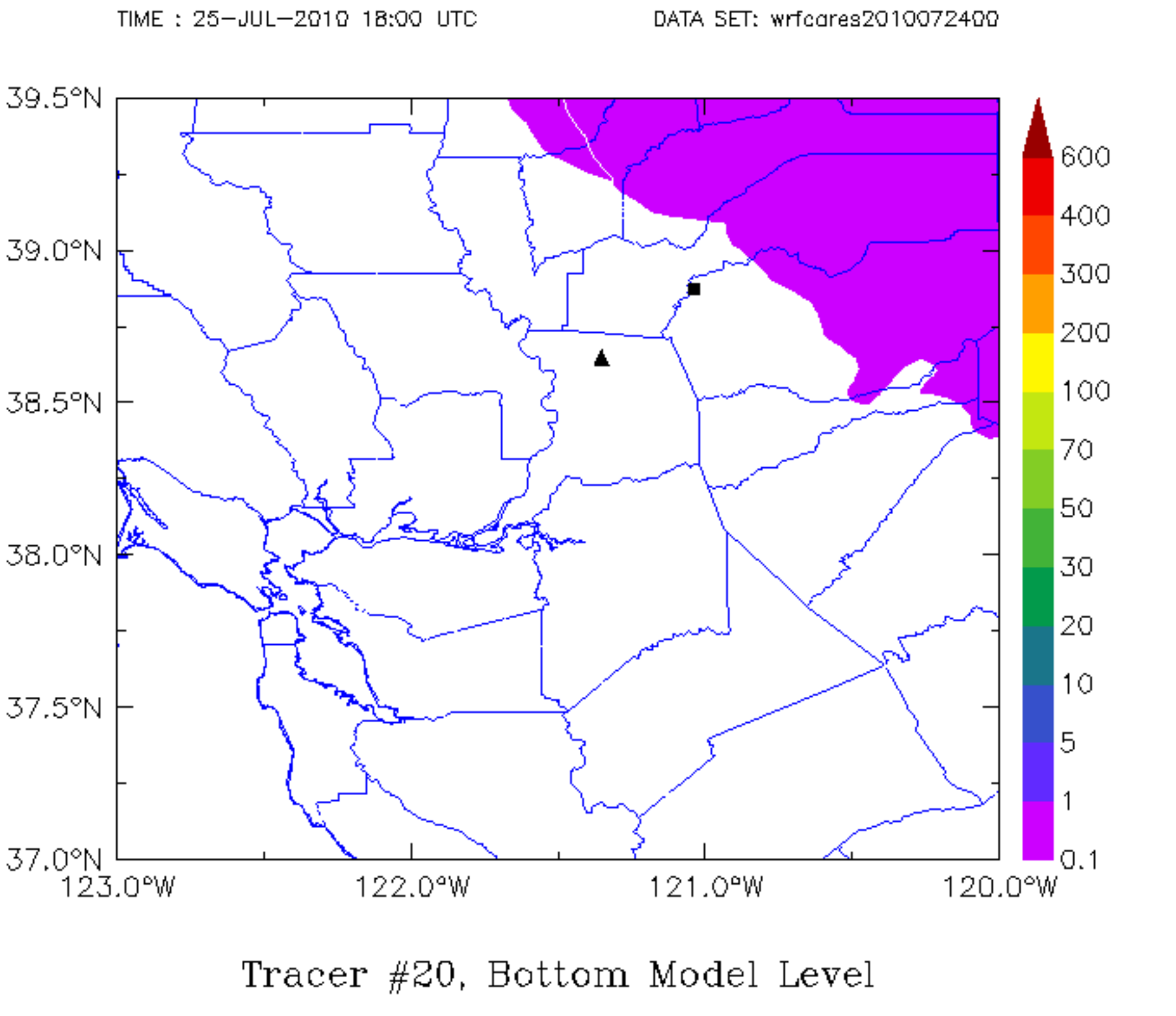
Tracer #20, Bottom Model Level

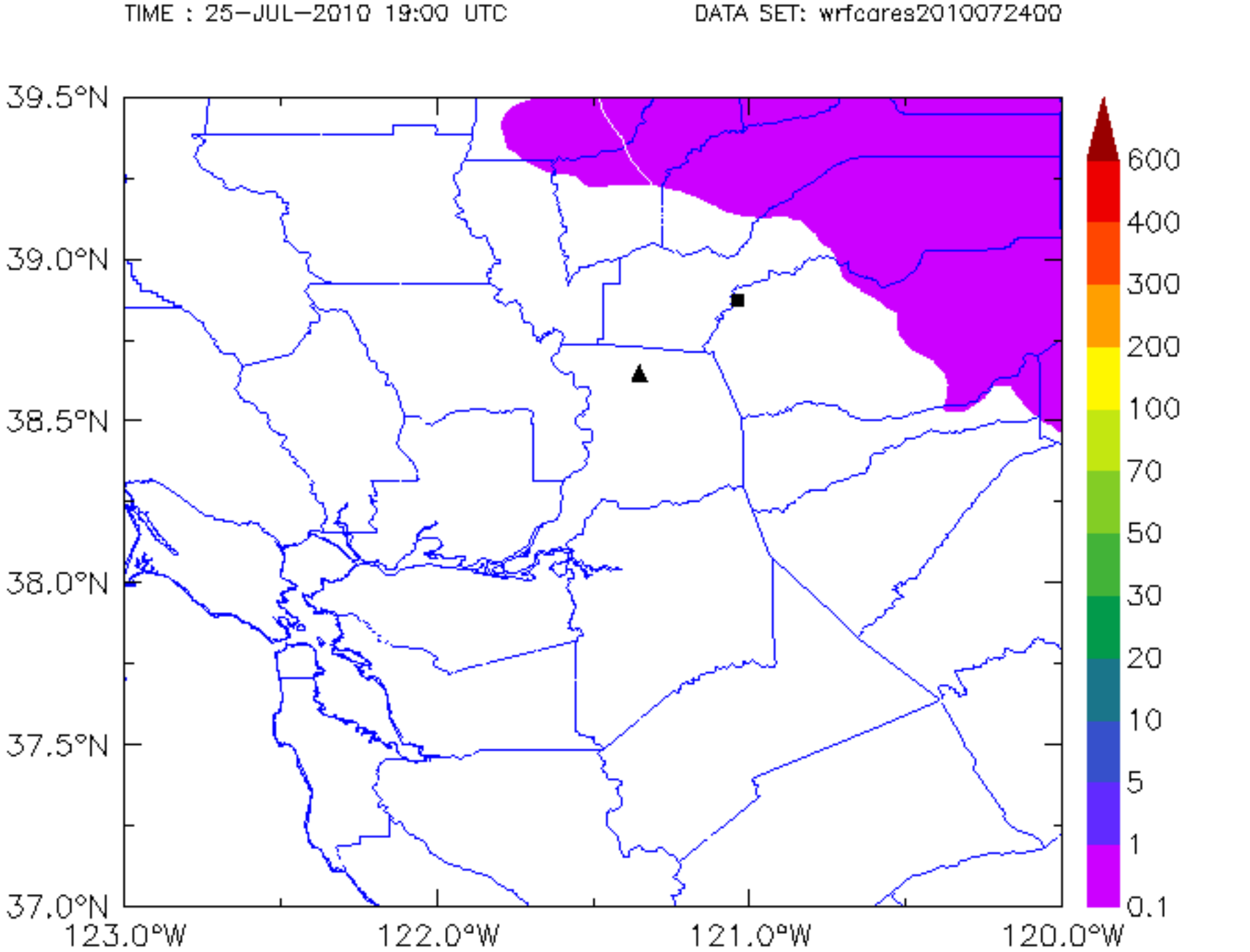
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



Tracer #20, Bottom Model Level

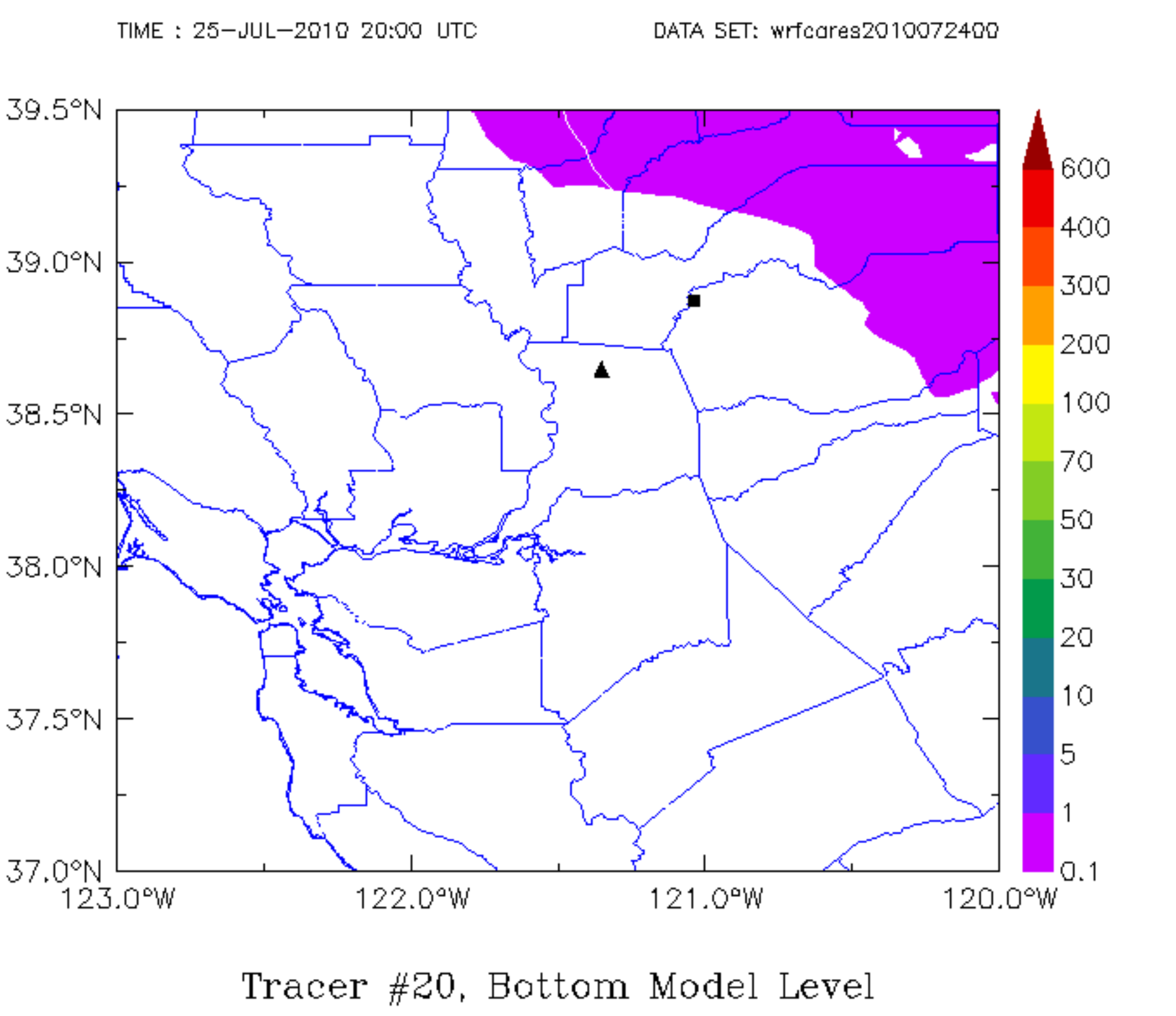
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

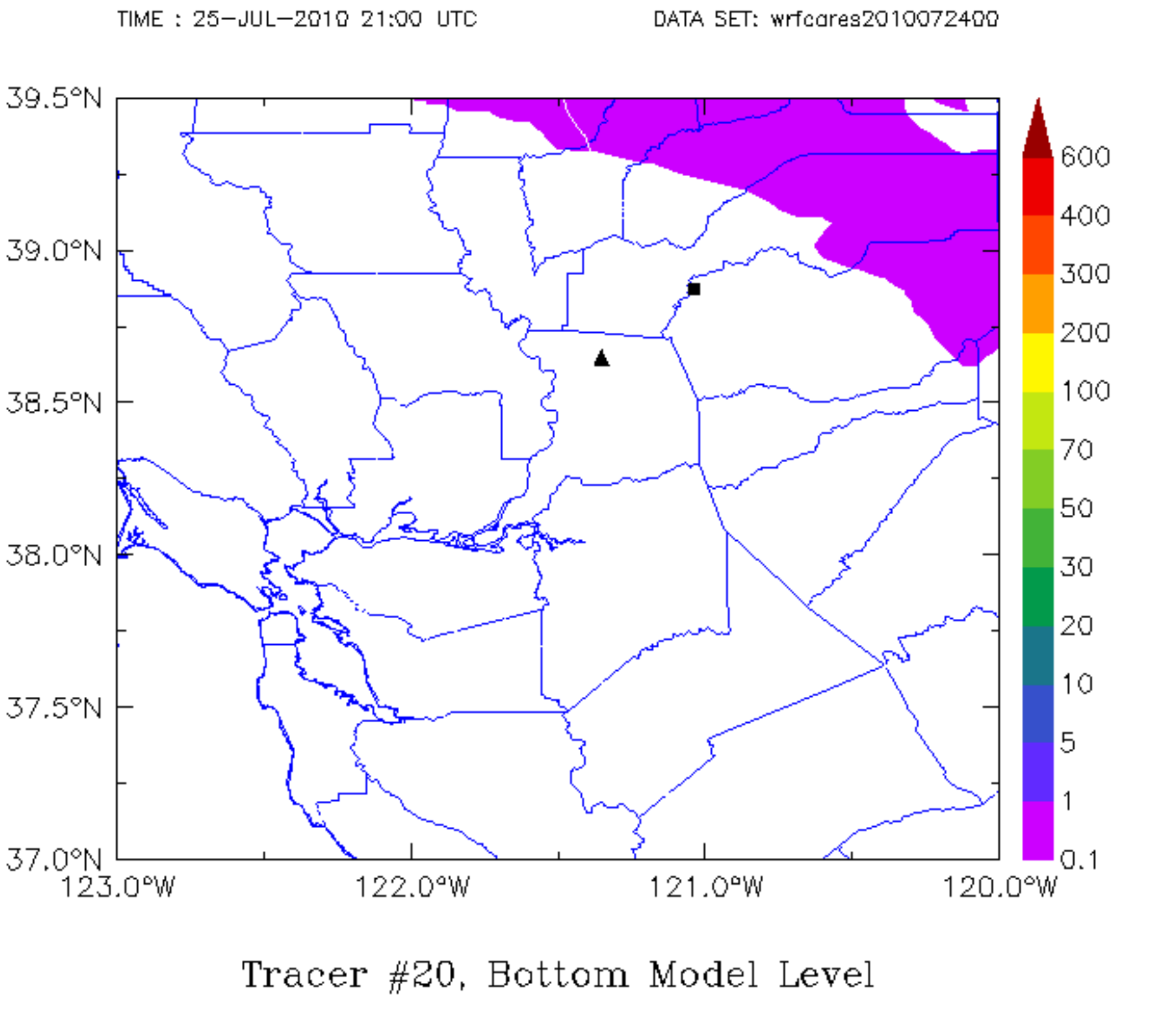

TIME : 25-JUL-2010 18:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

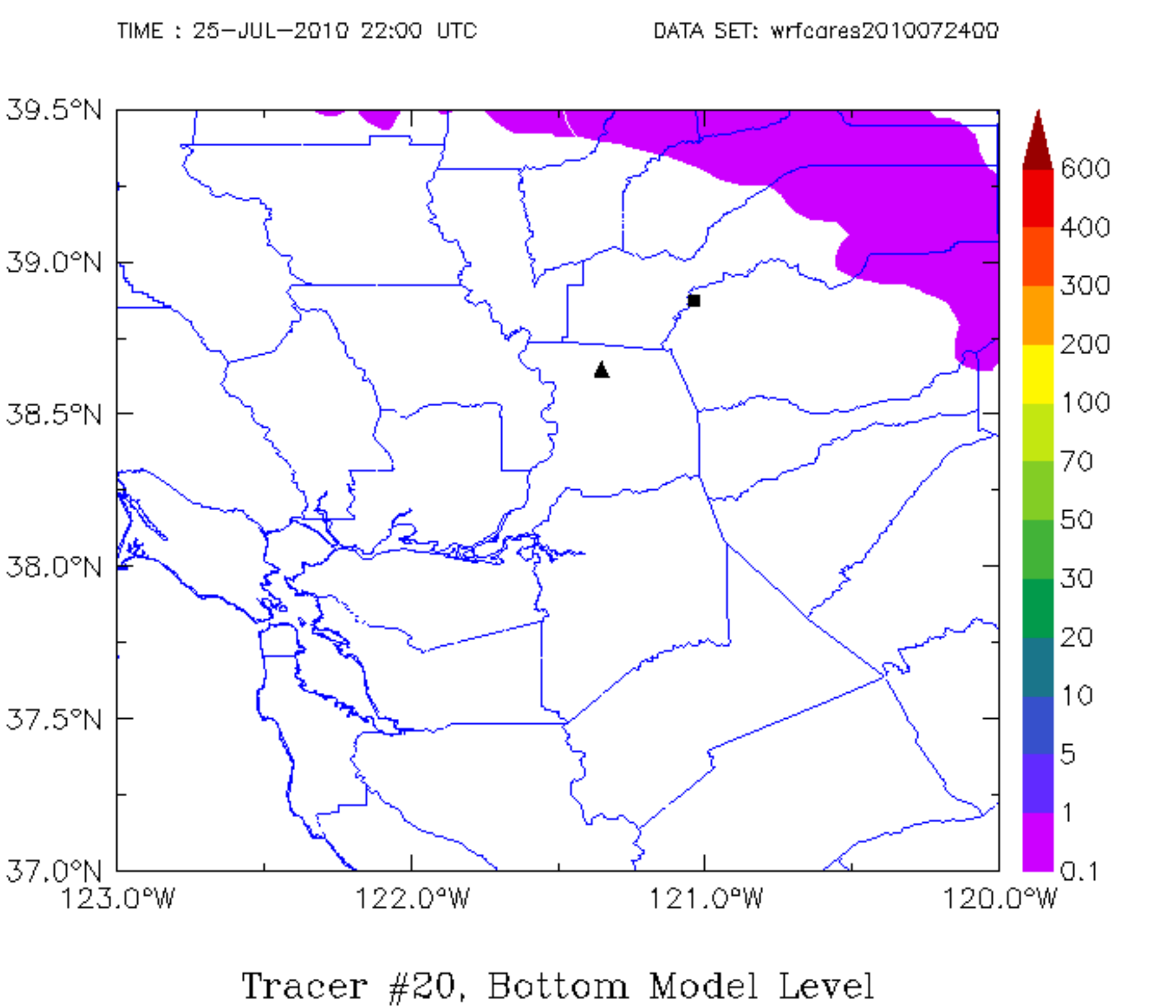


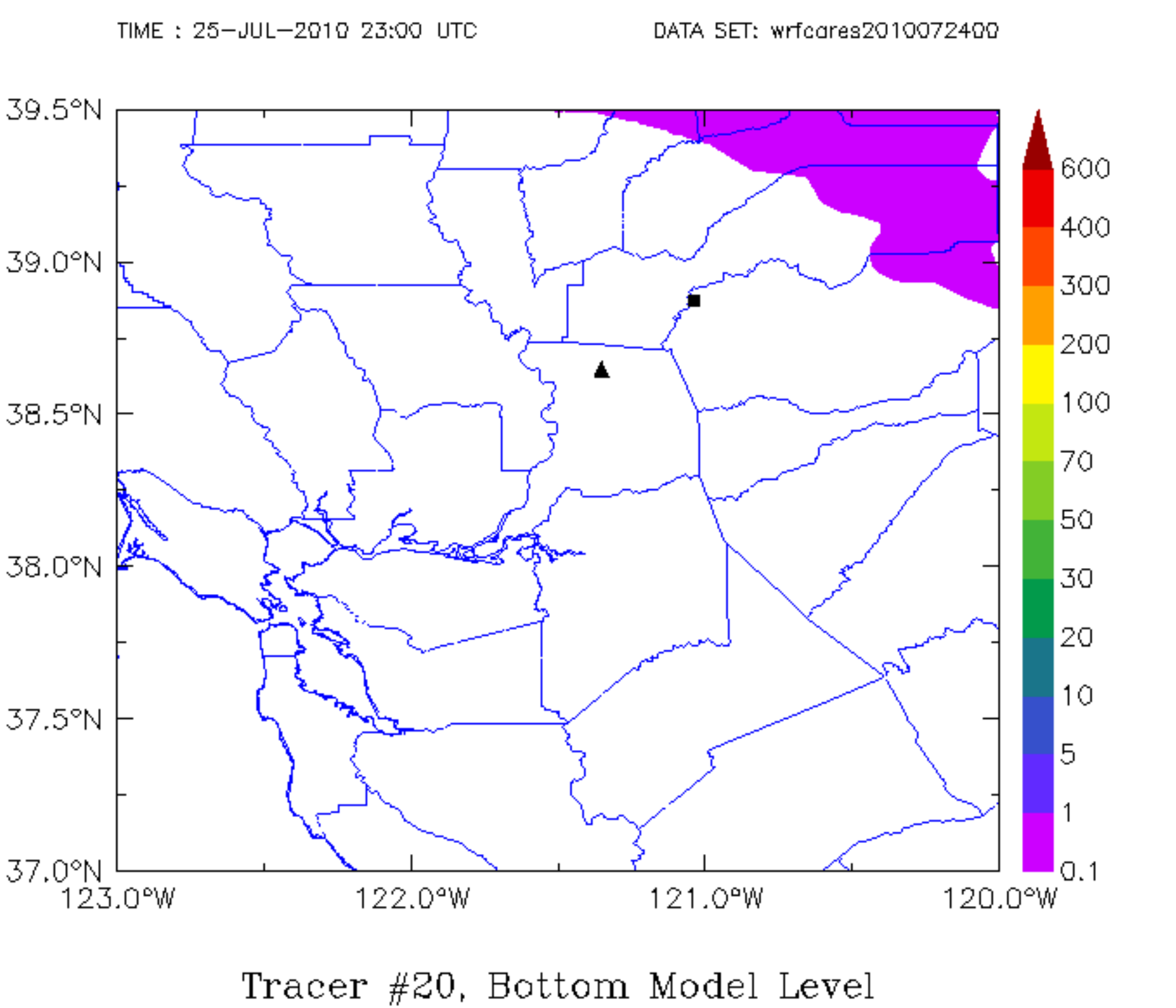
Tracer #20, Bottom Model Level

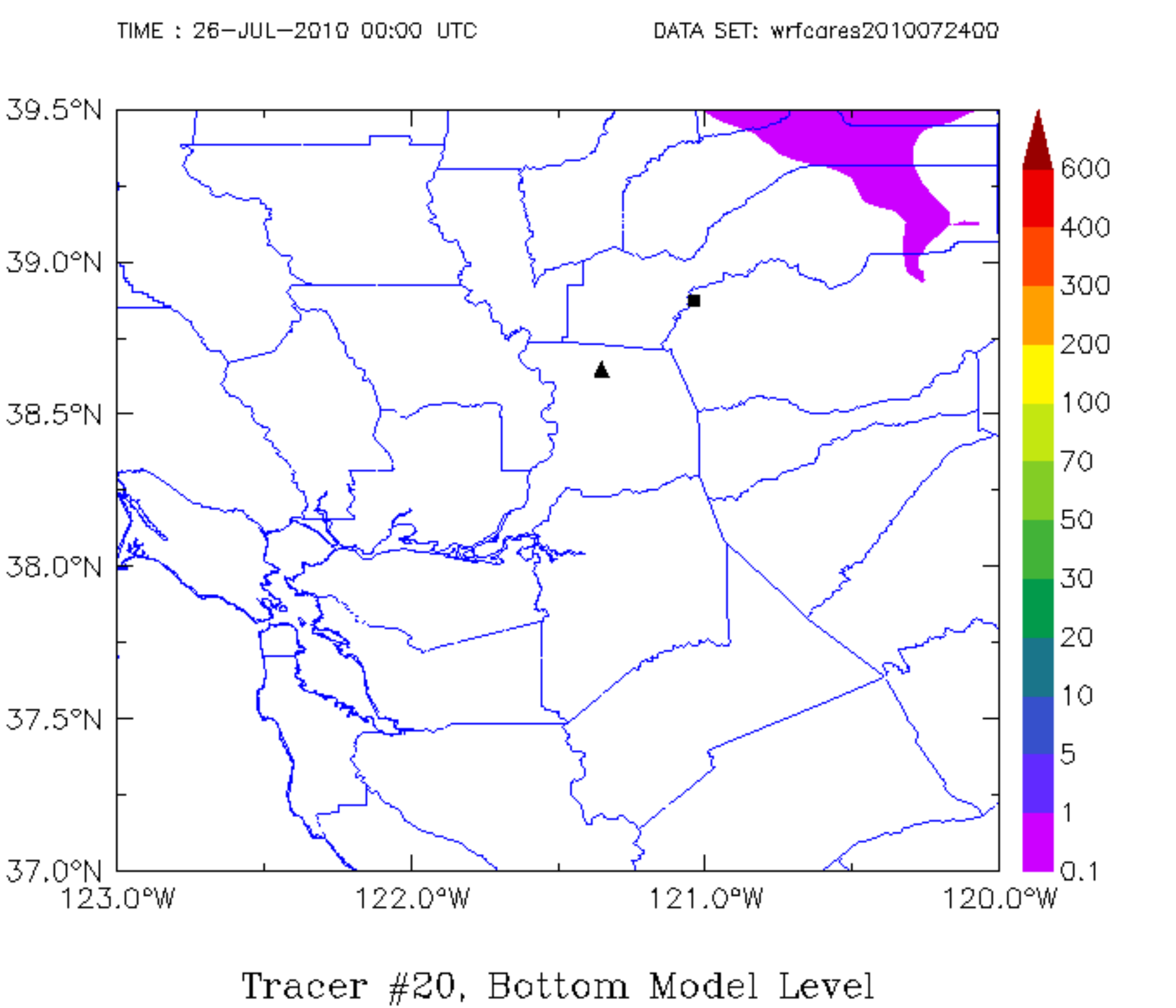
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

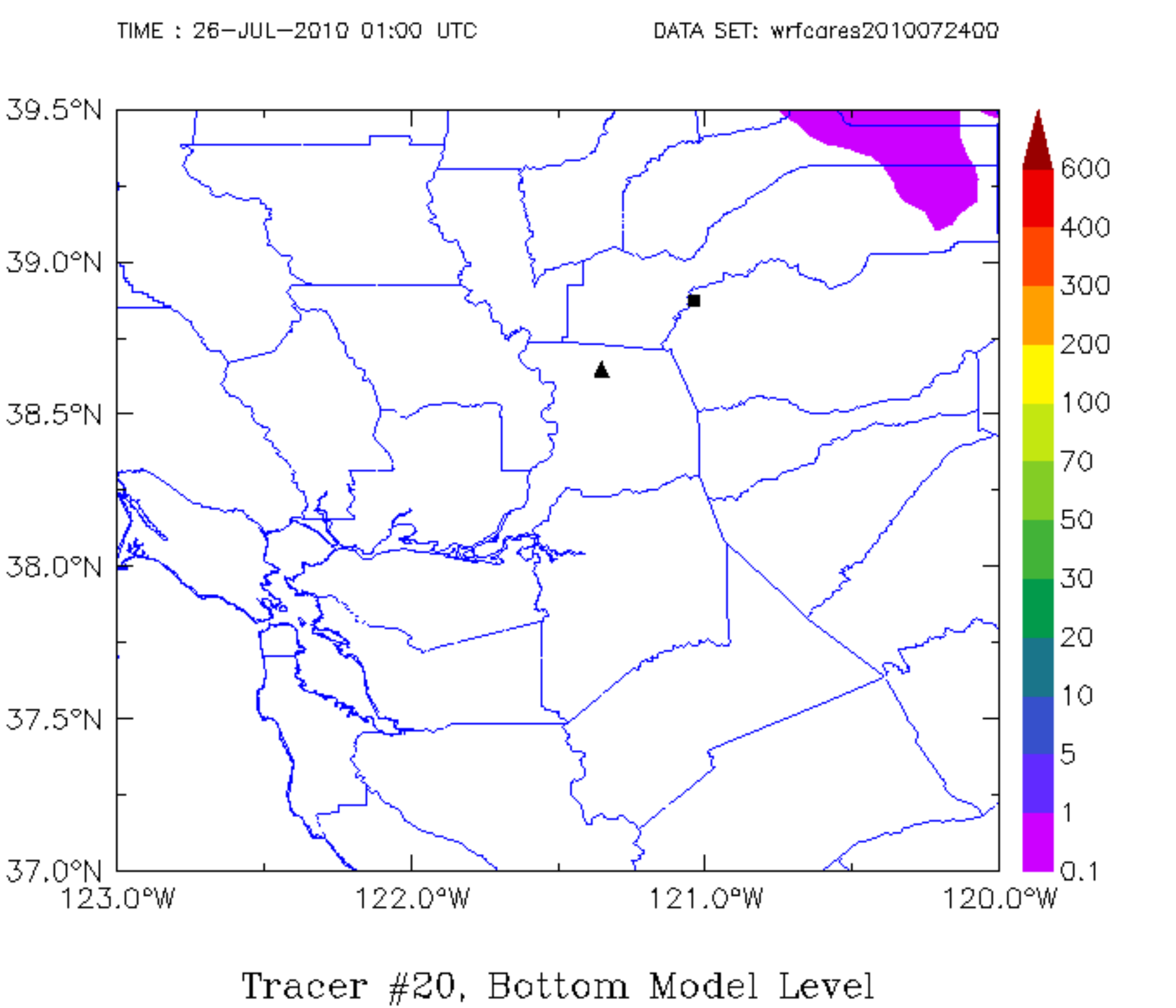

TIME : 25-JUL-2010 20:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

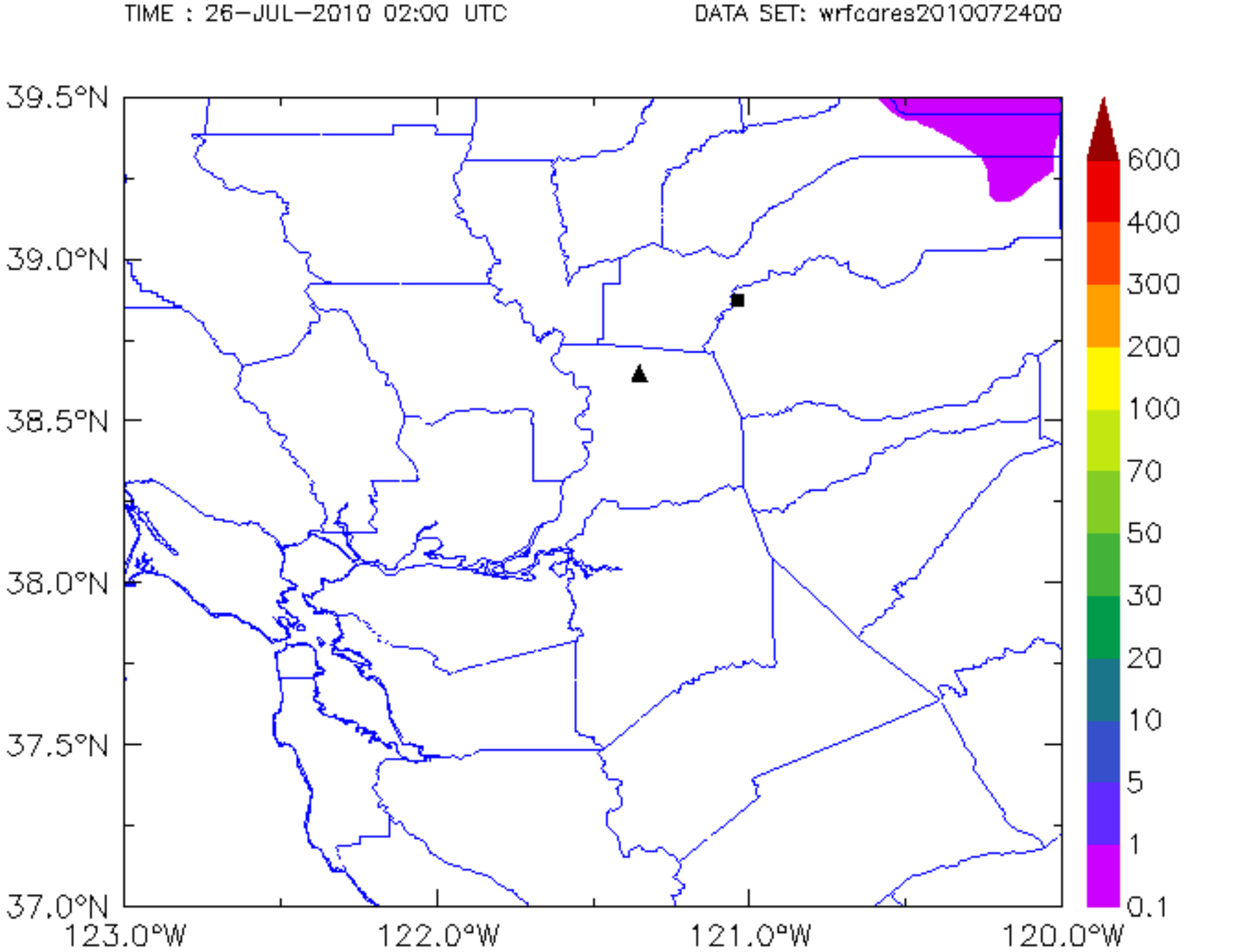

TIME : 25-JUL-2010 21:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 25-JUL-2010 22:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 25-JUL-2010 23:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

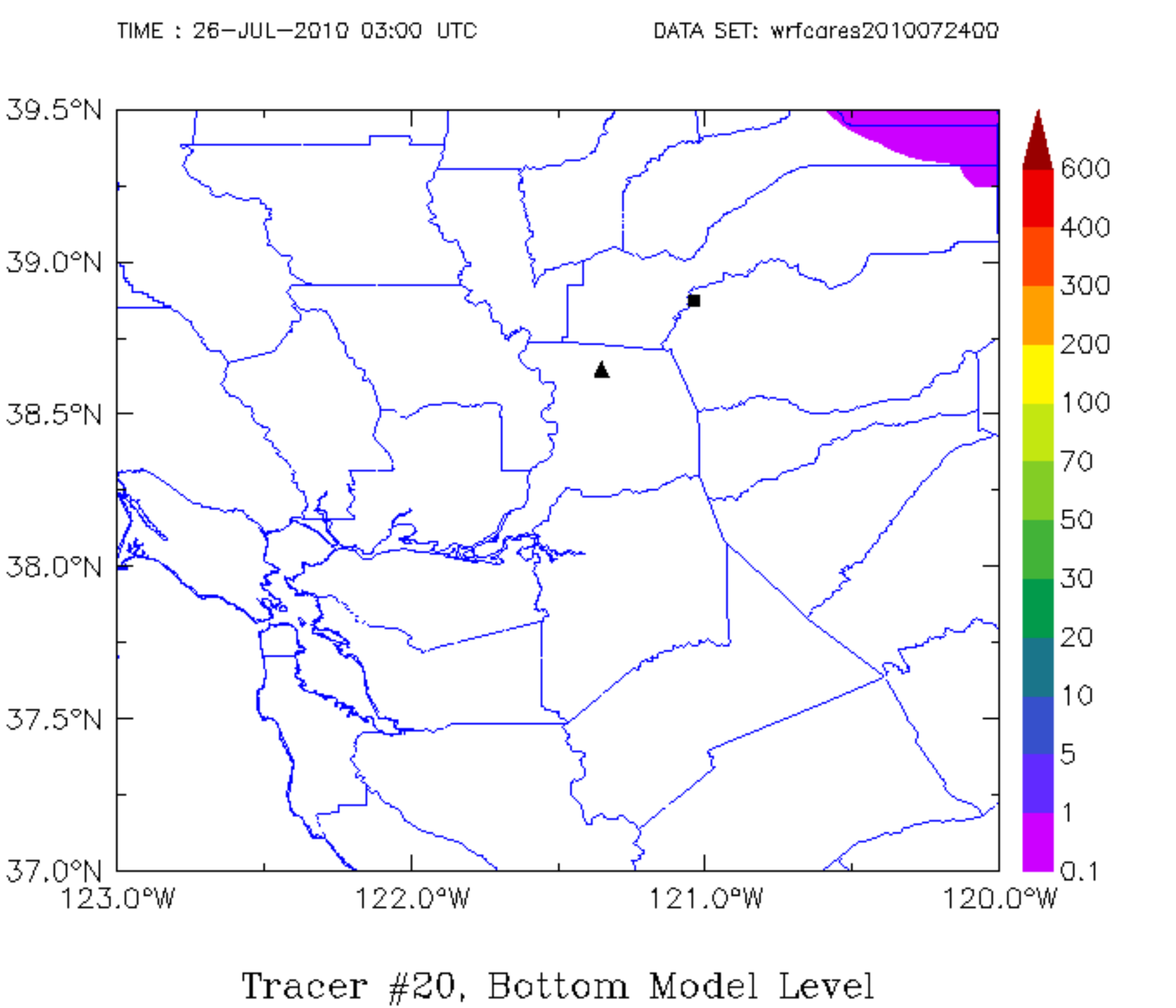

TIME : 26-JUL-2010 00:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

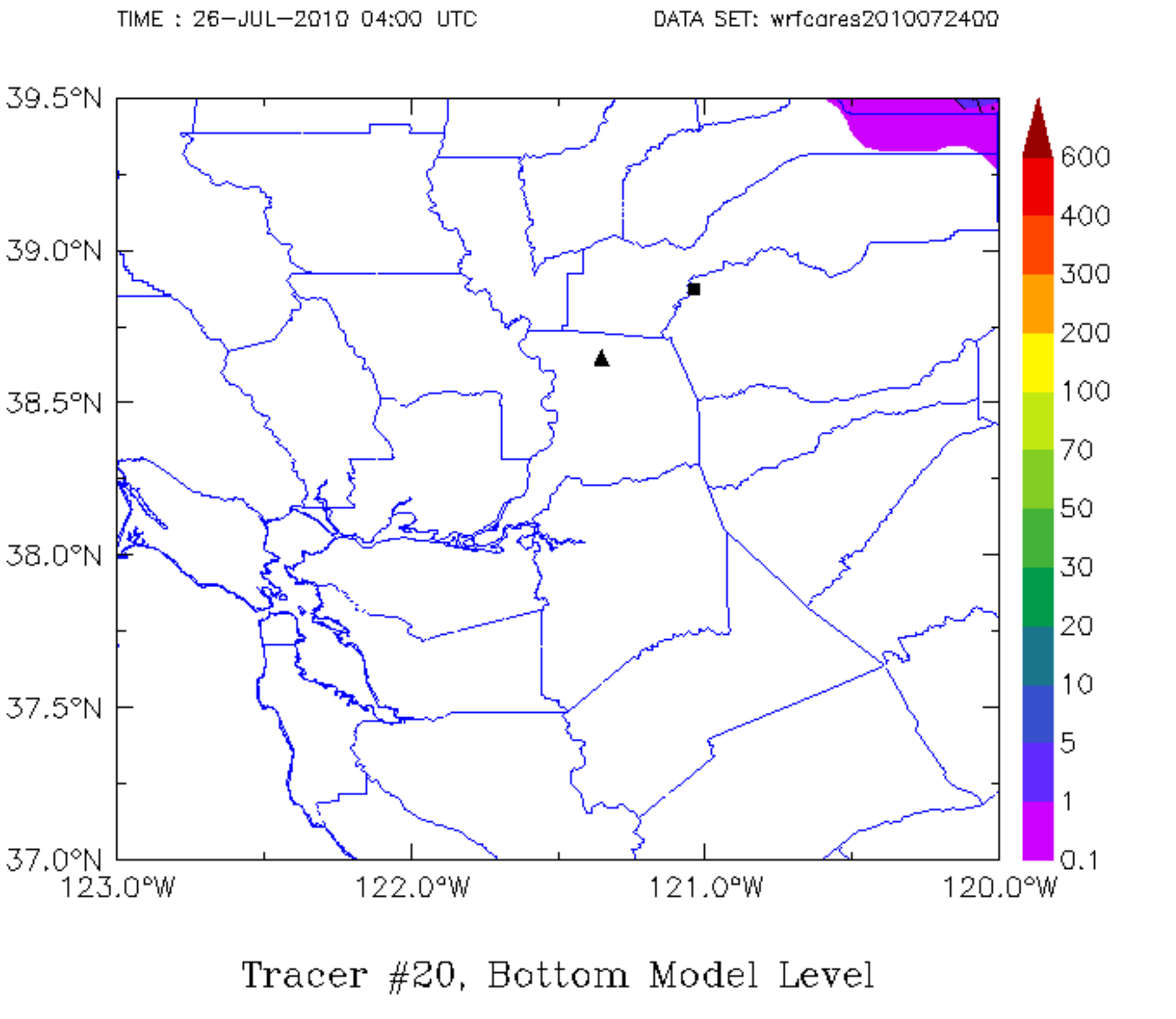

TIME : 26-JUL-2010 01:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

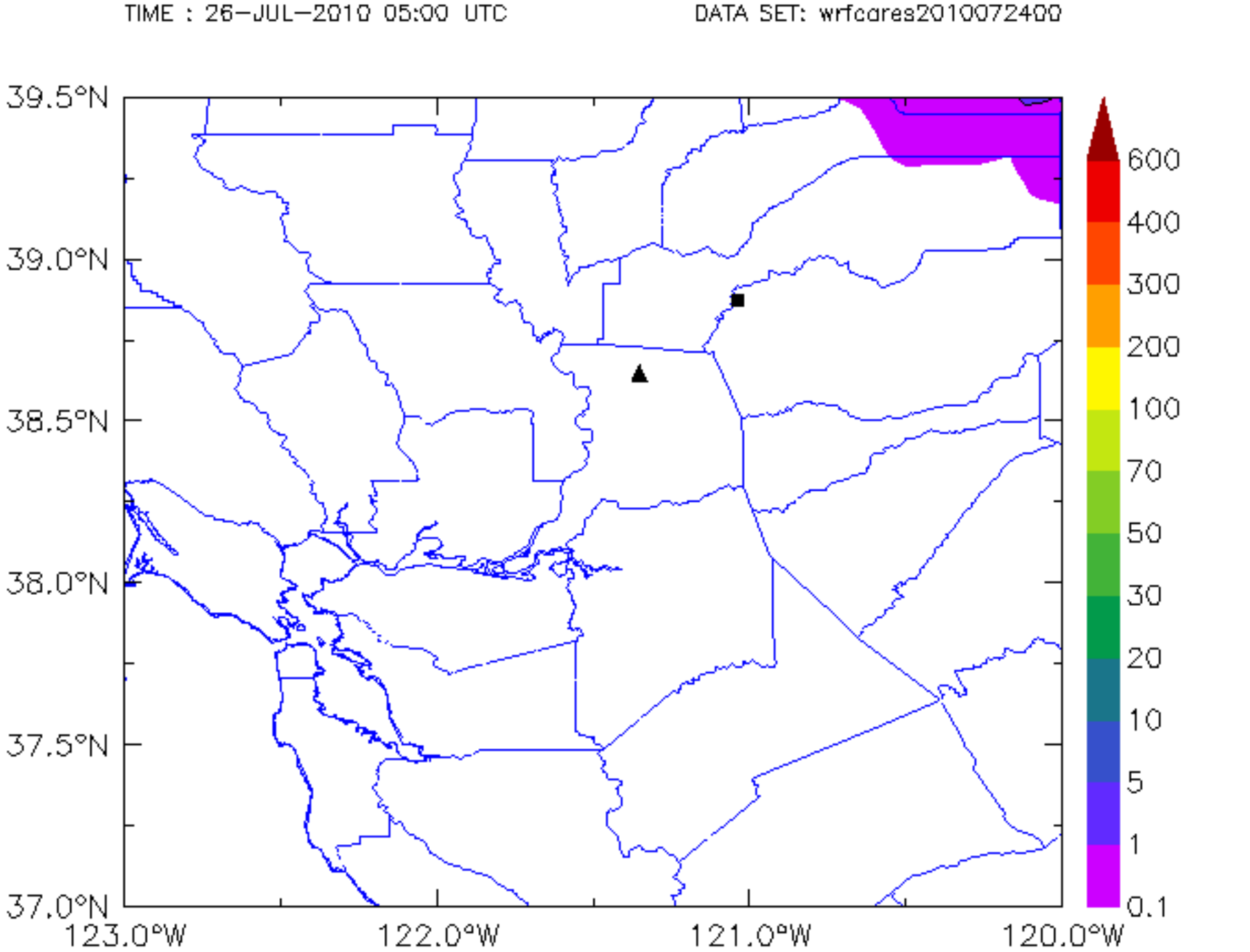


Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

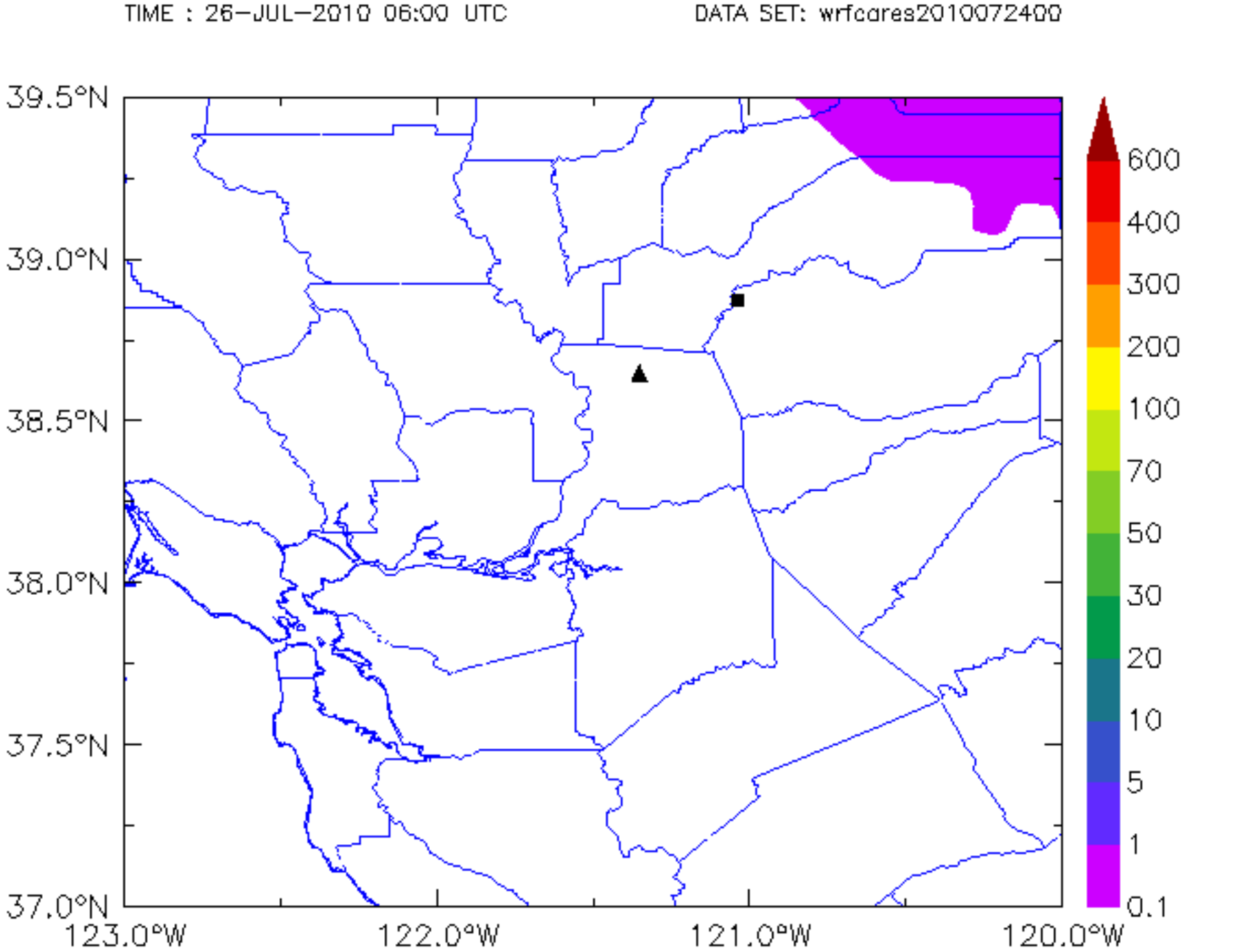

TIME : 26-JUL-2010 03:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 04:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



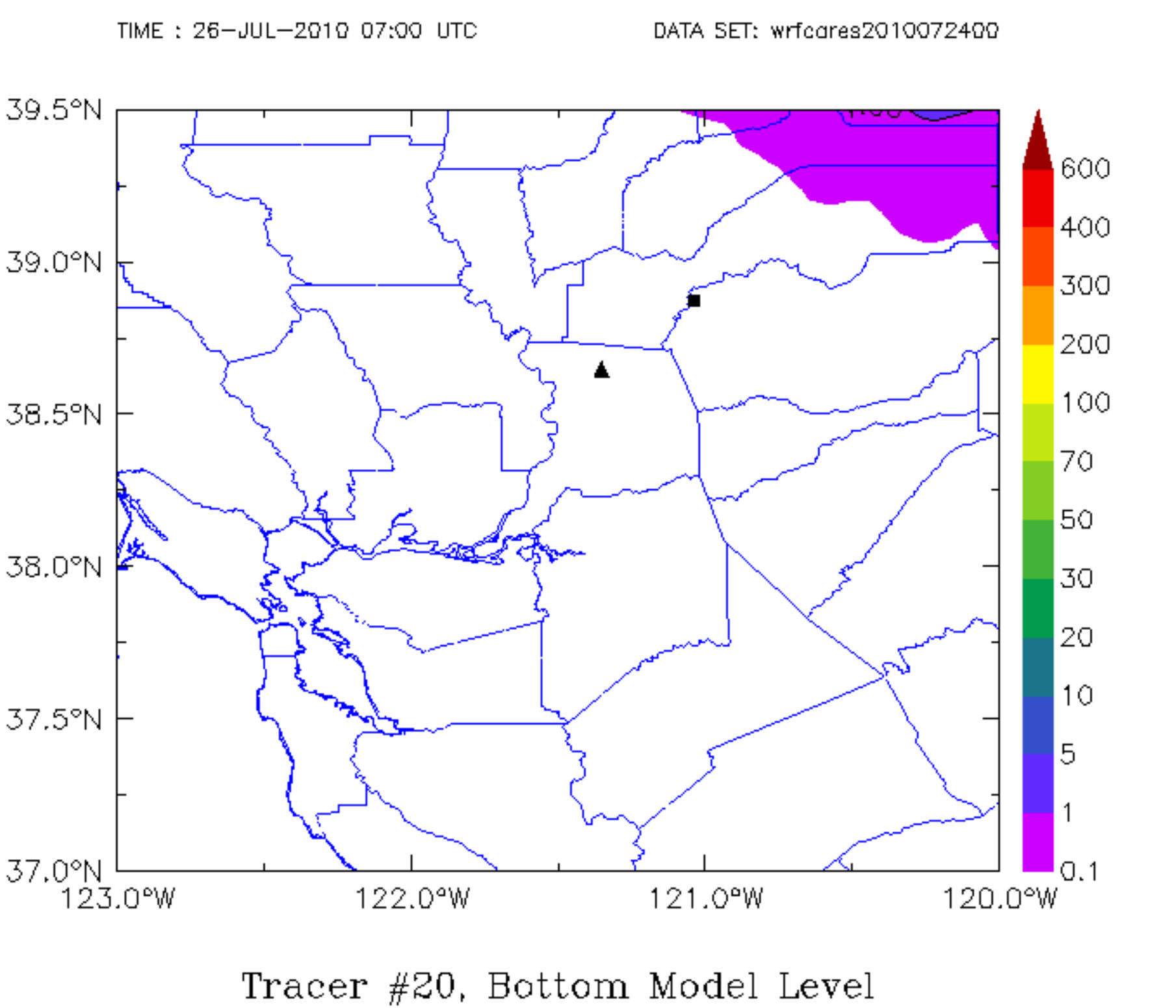
Tracer #20, Bottom Model Level

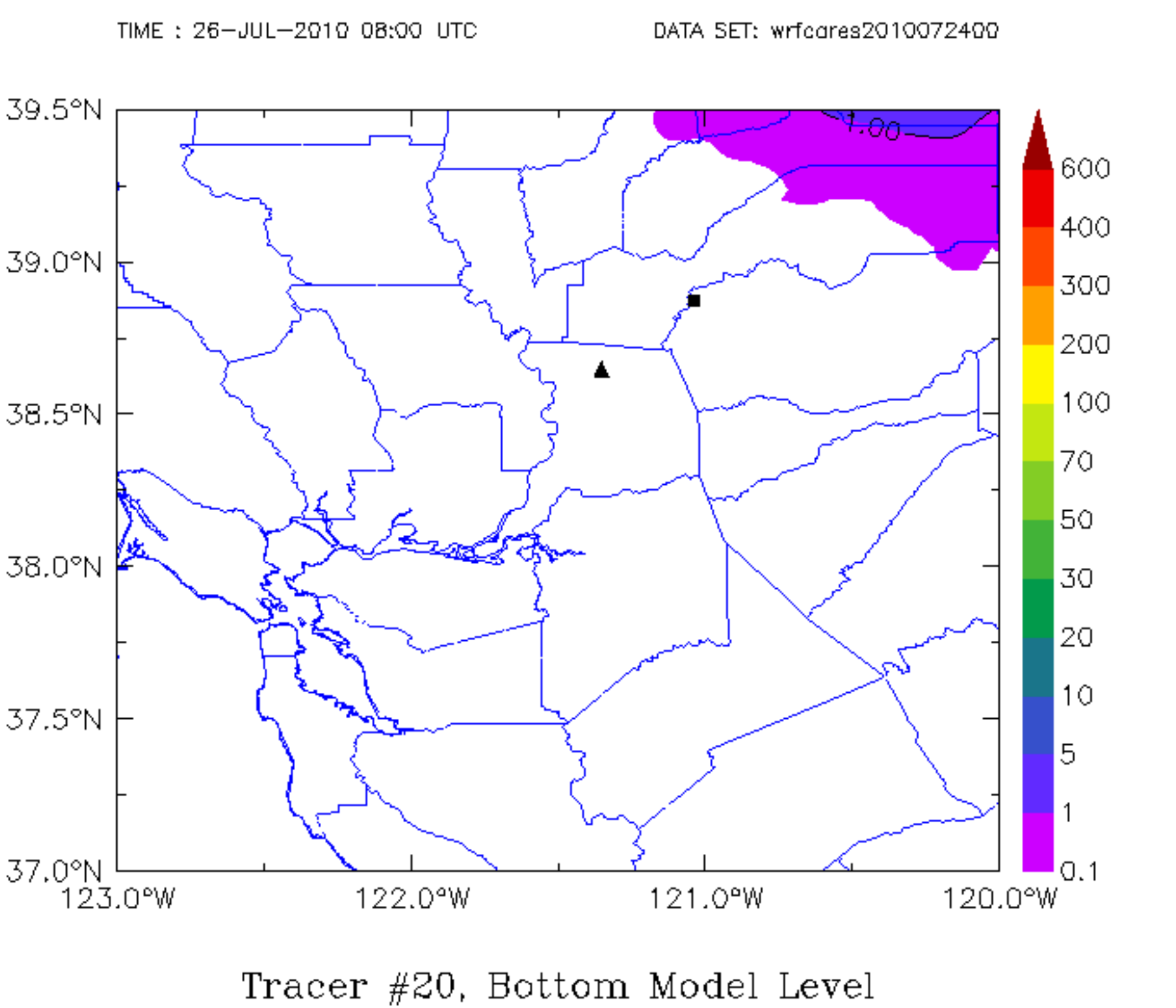
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

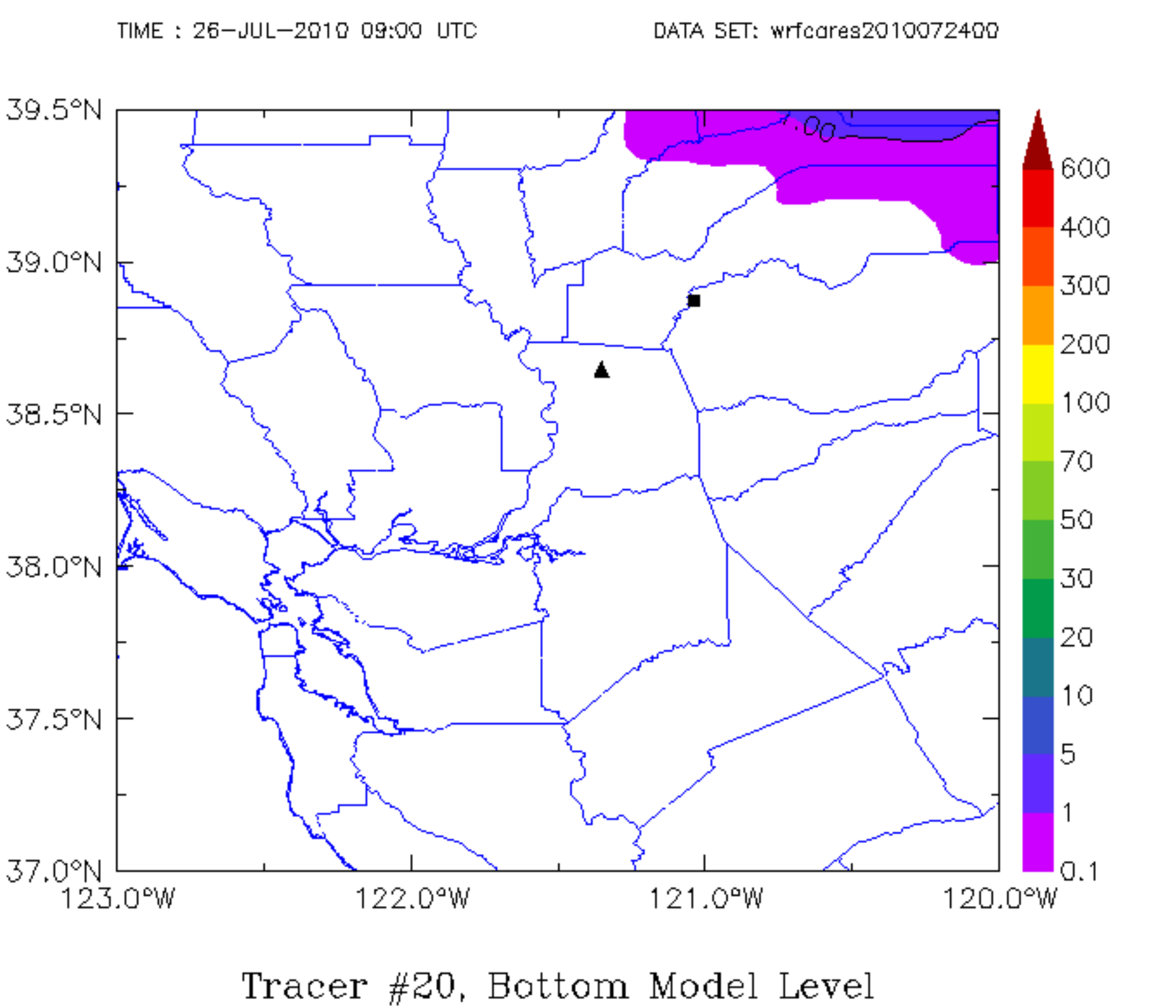


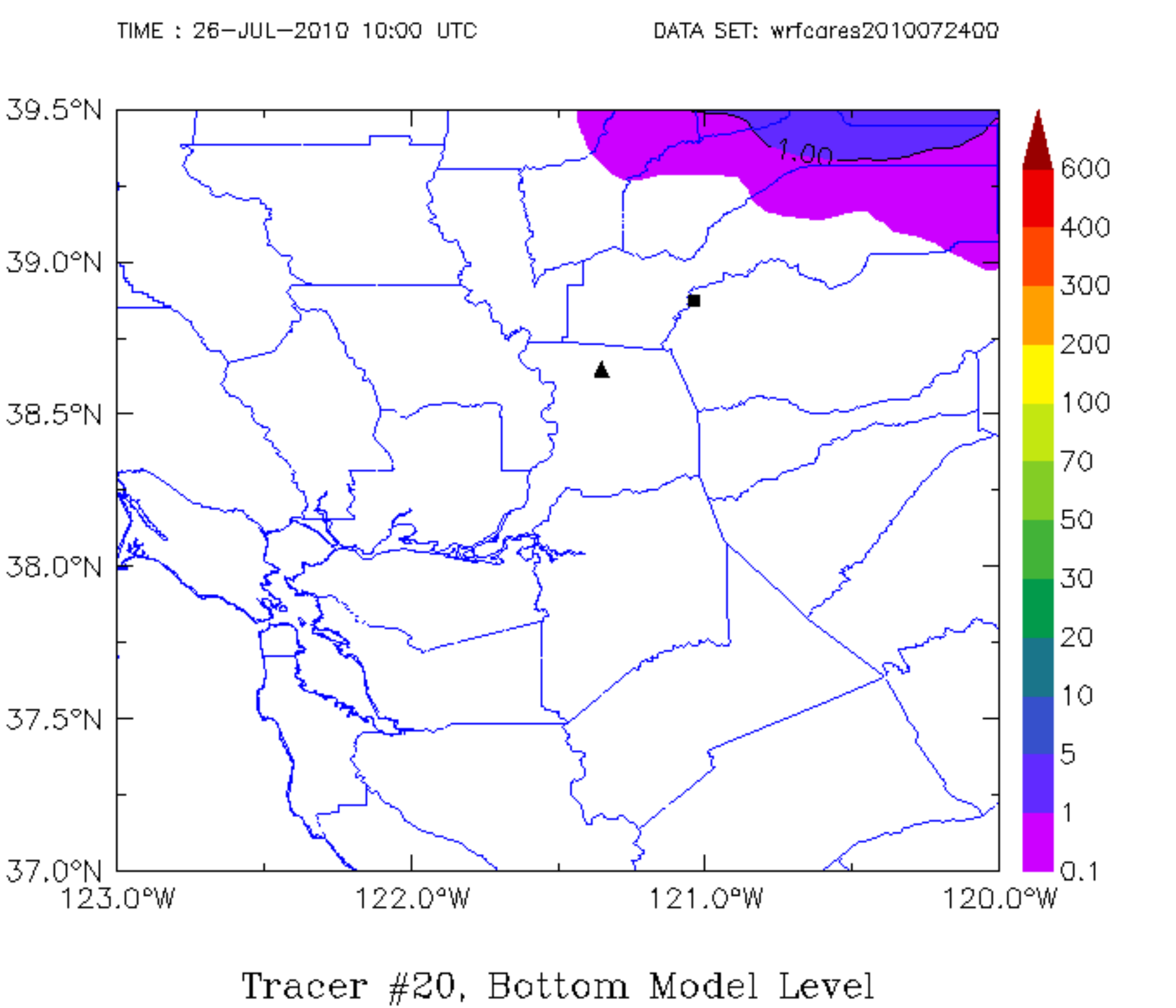
Tracer #20, Bottom Model Level

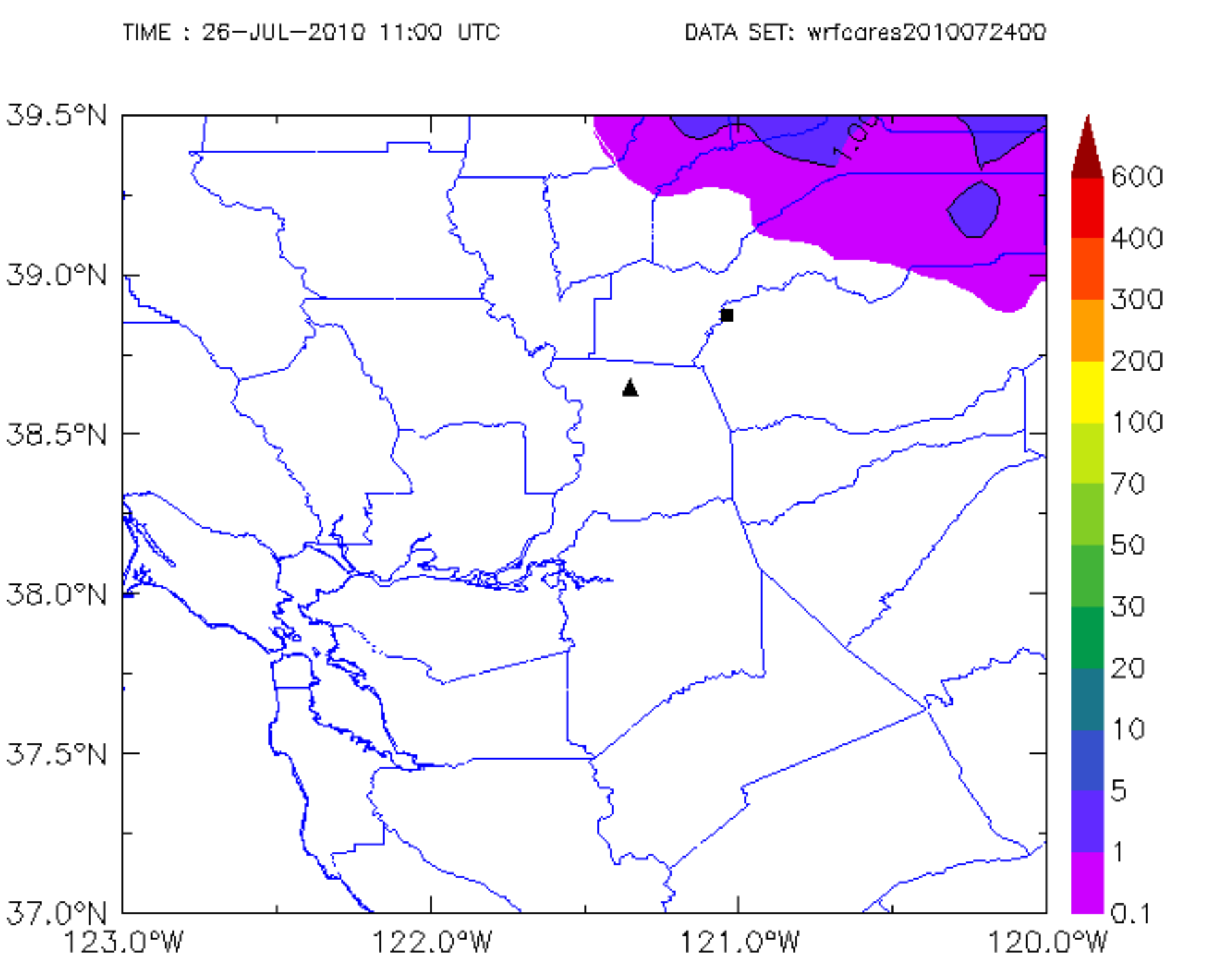
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 07:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 08:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
1.00
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

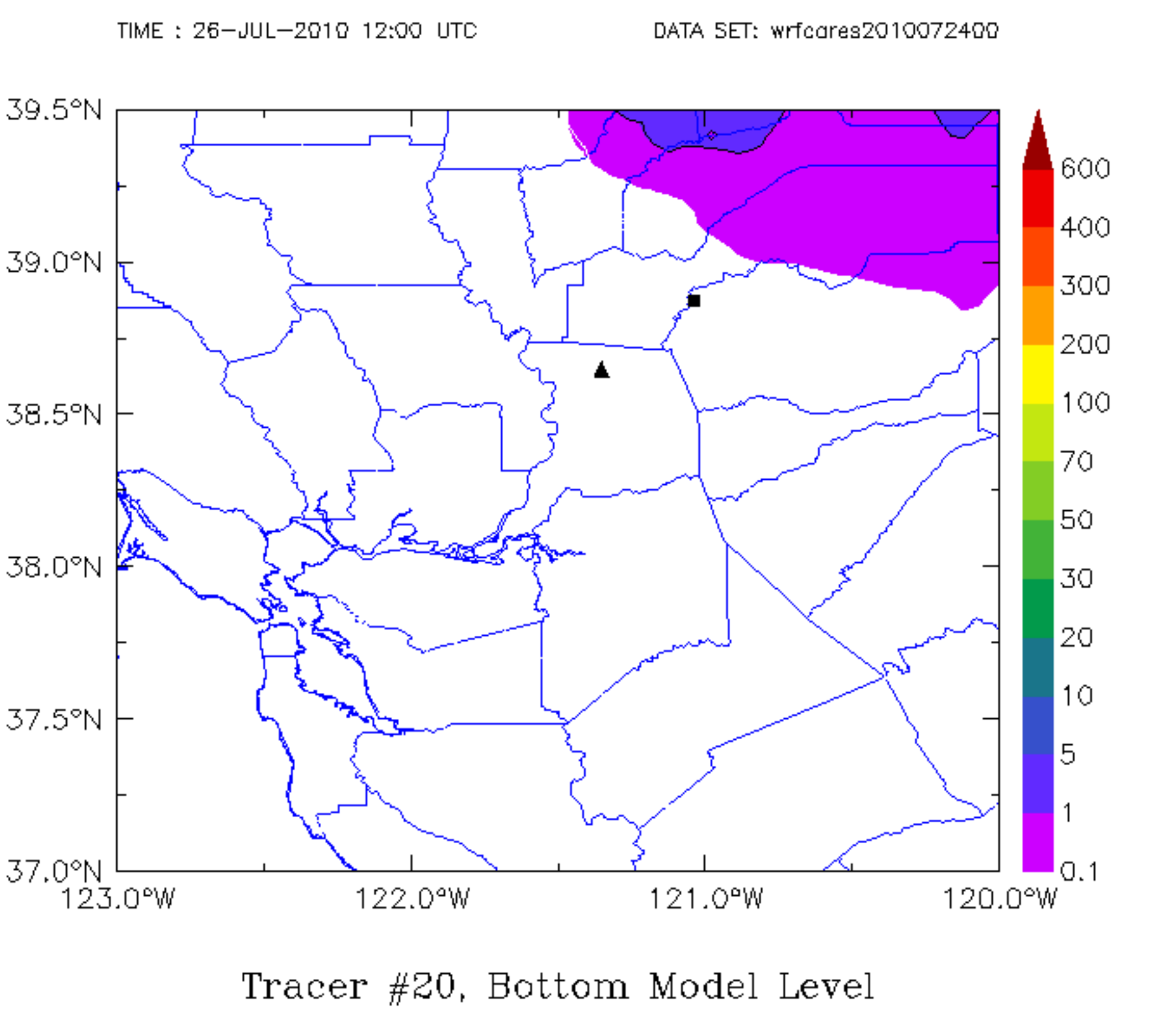

TIME : 26-JUL-2010 09:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
1.00
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

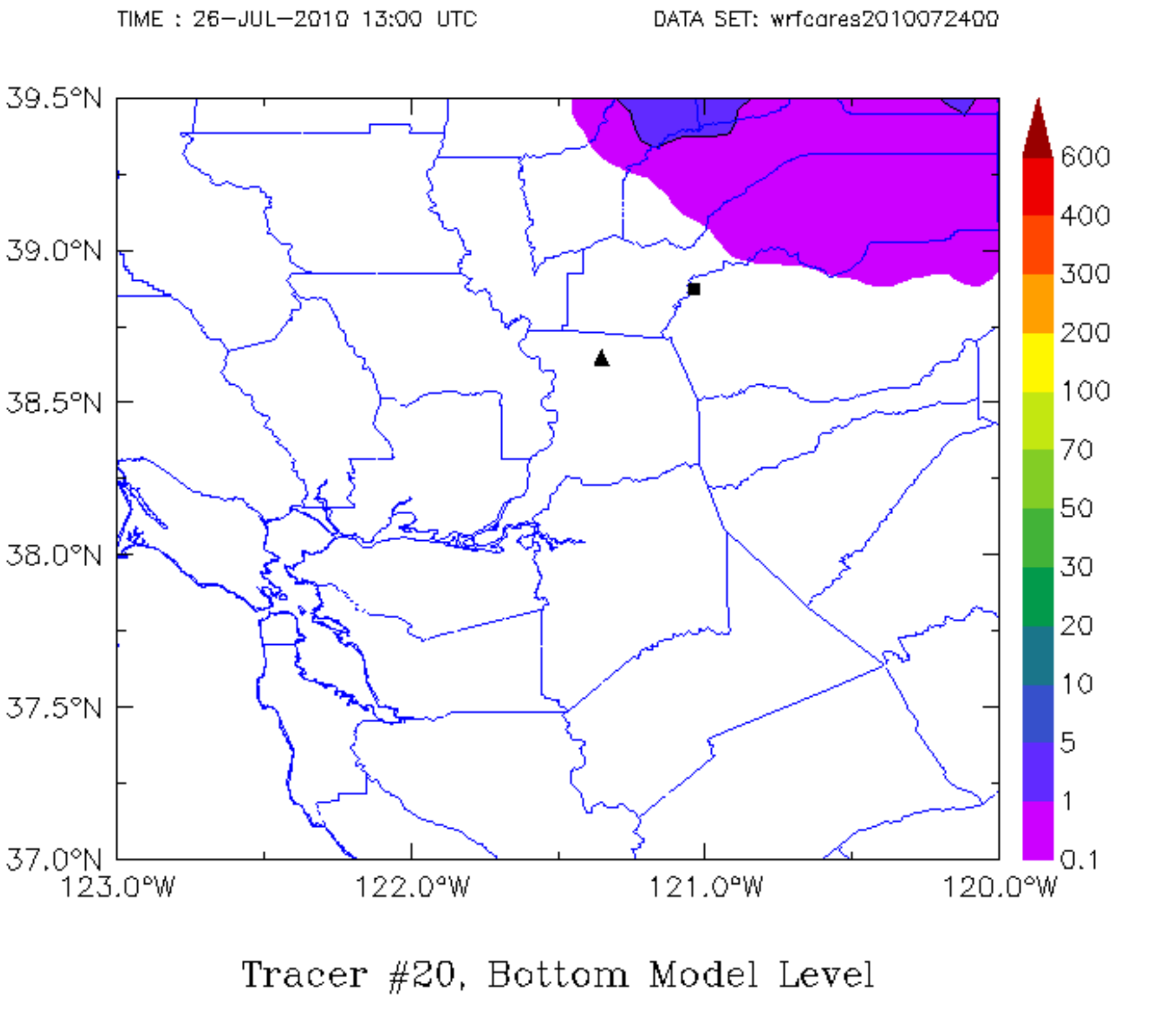

TIME : 26-JUL-2010 10:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
1.00
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

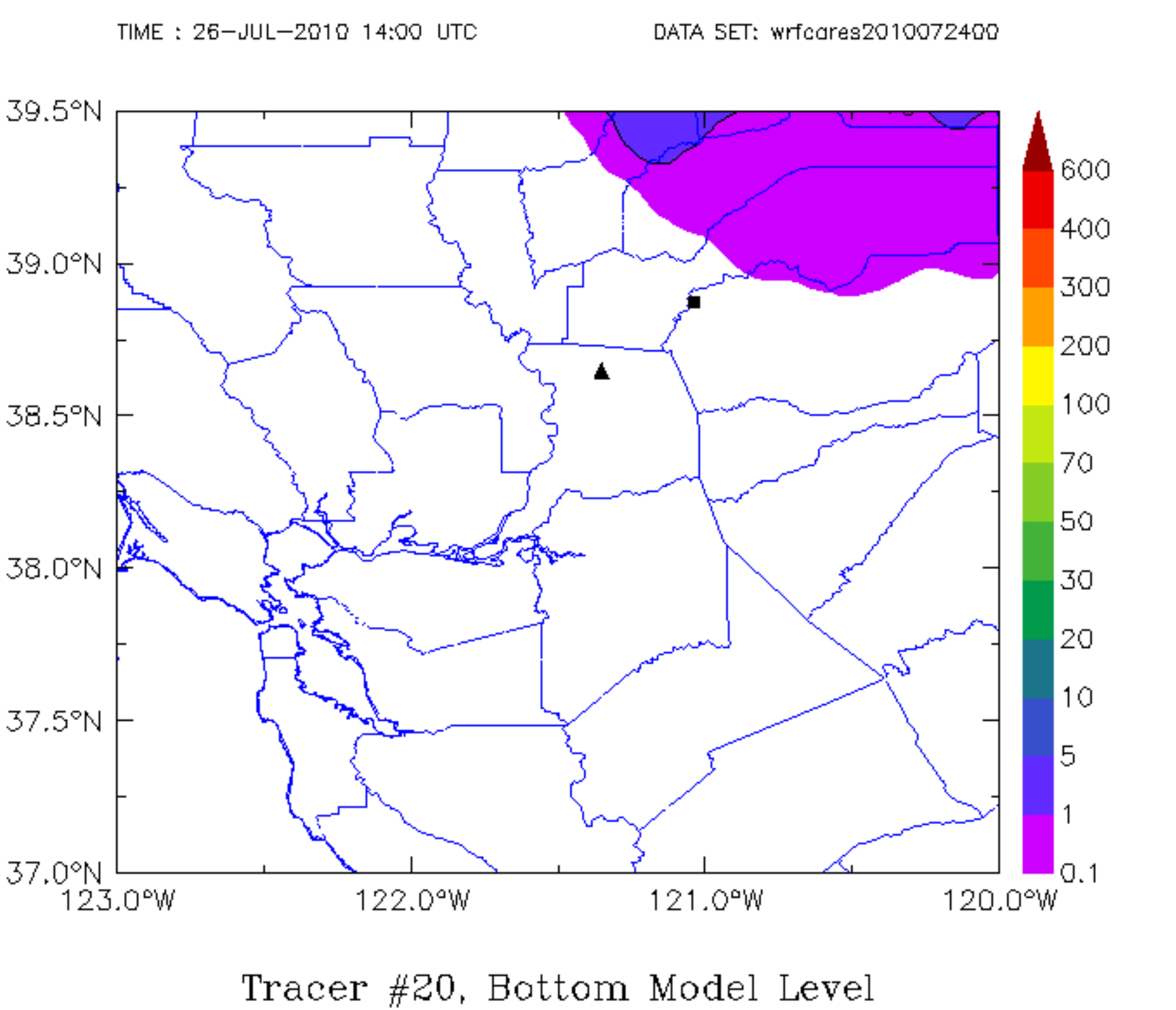


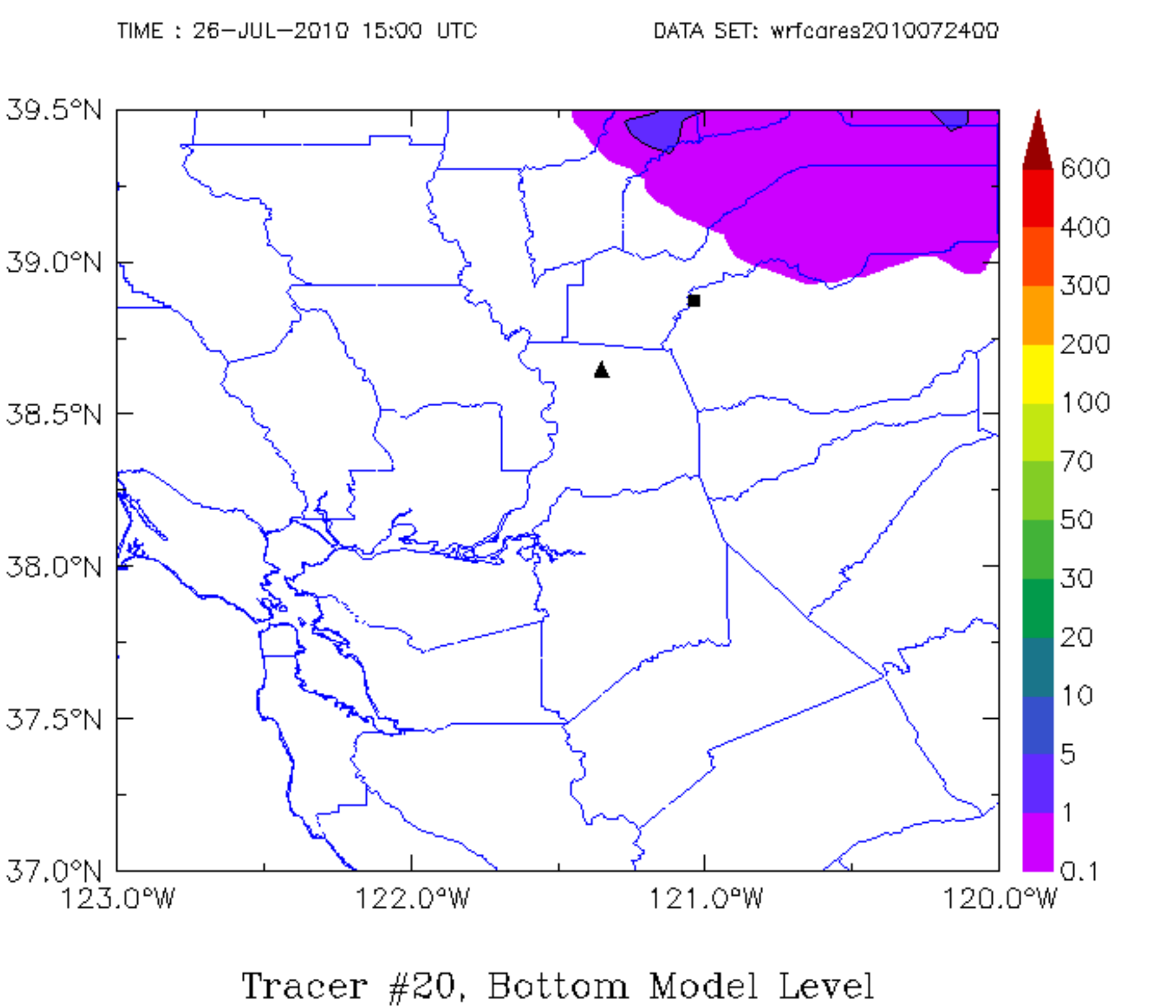
Tracer #20, Bottom Model Level

WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 12:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

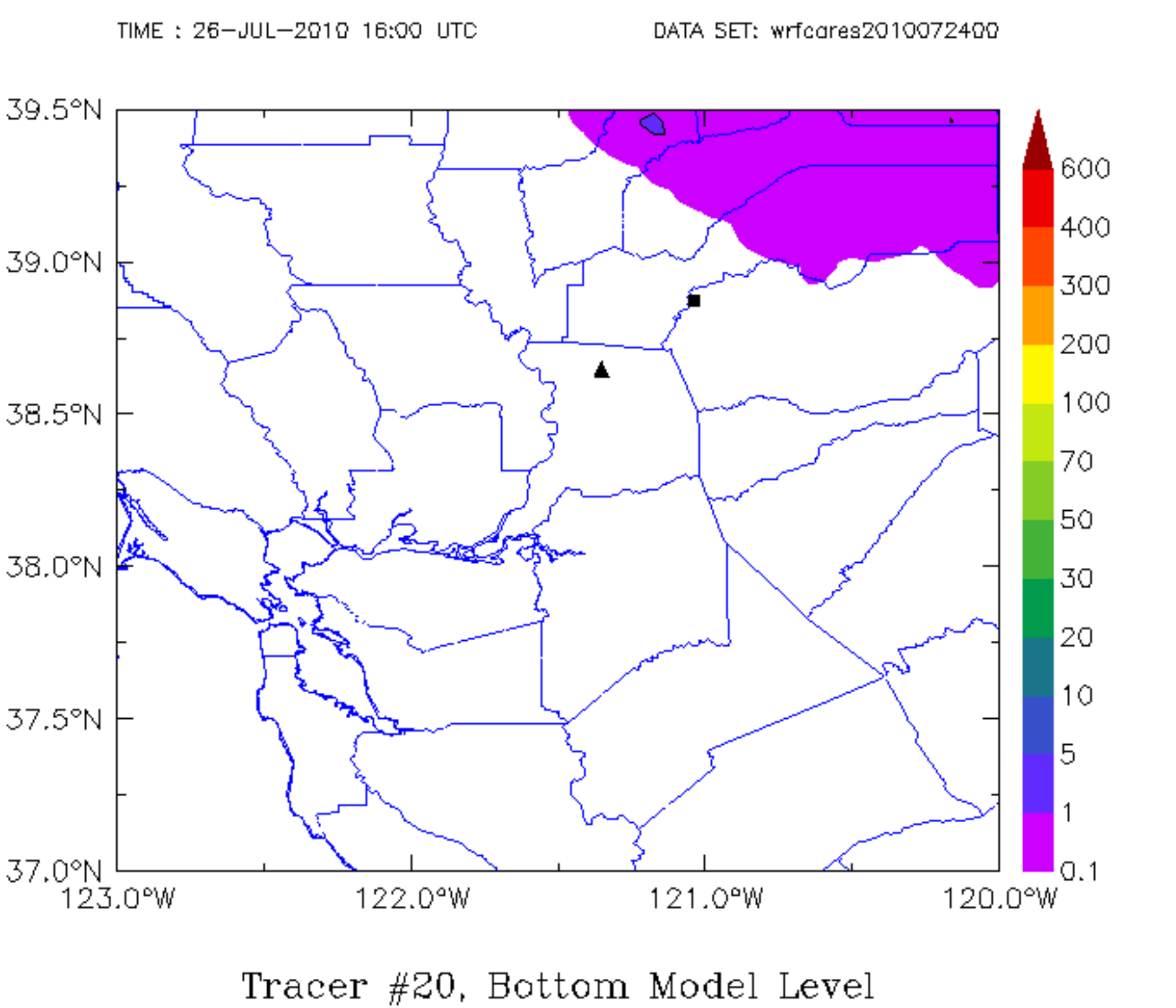

TIME : 26-JUL-2010 13:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 14:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov



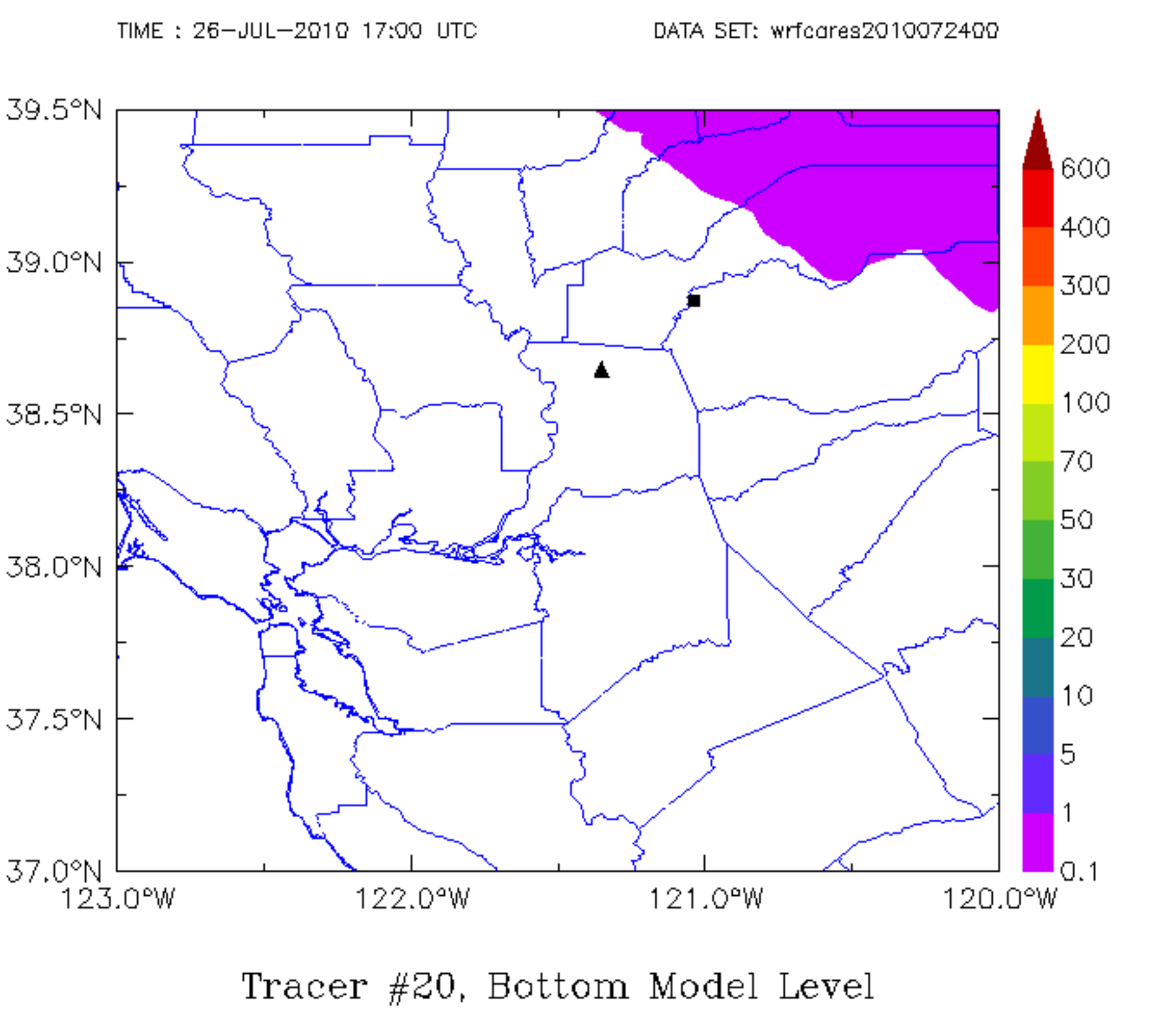
Tracer #20, Bottom Model Level

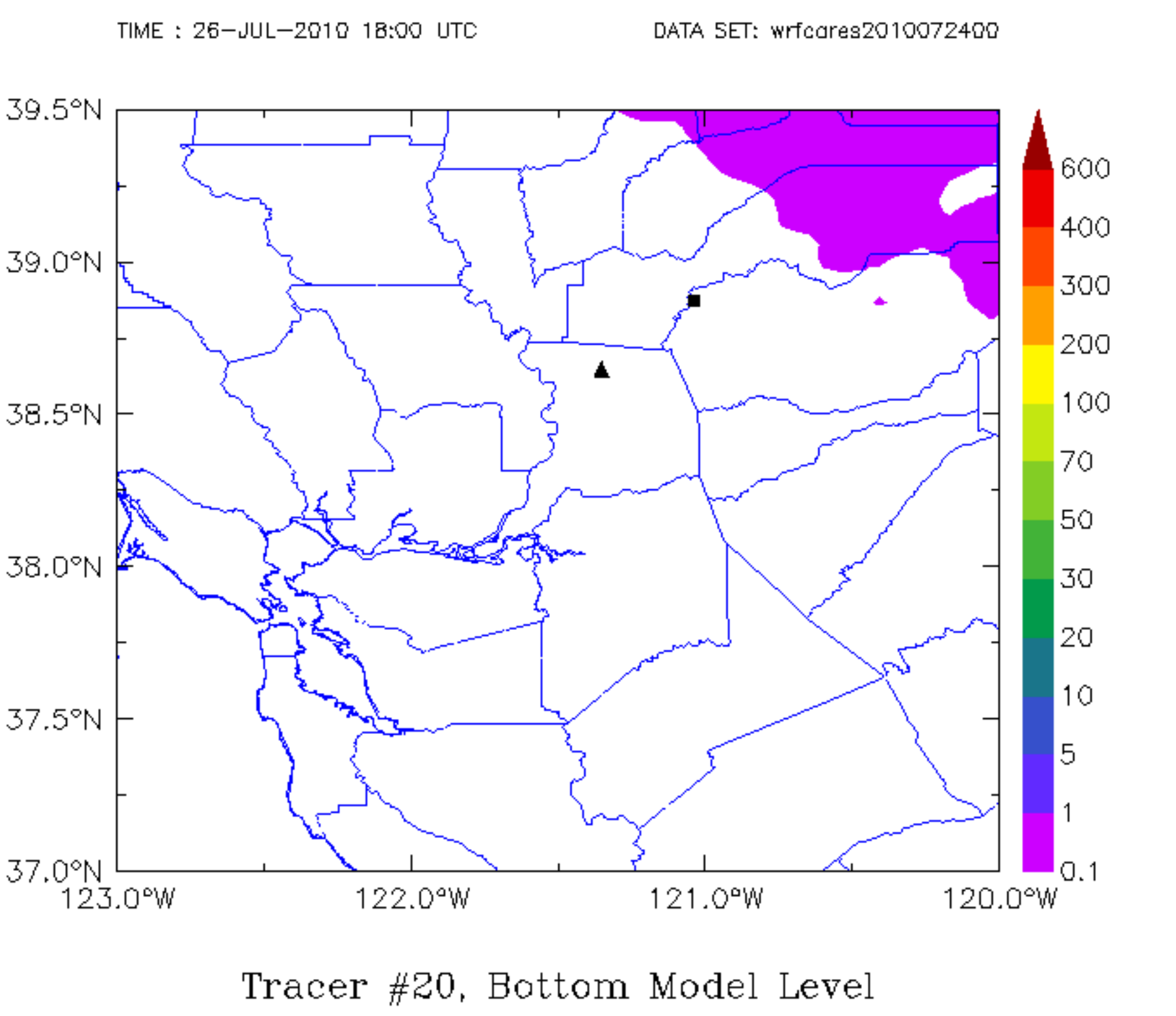
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

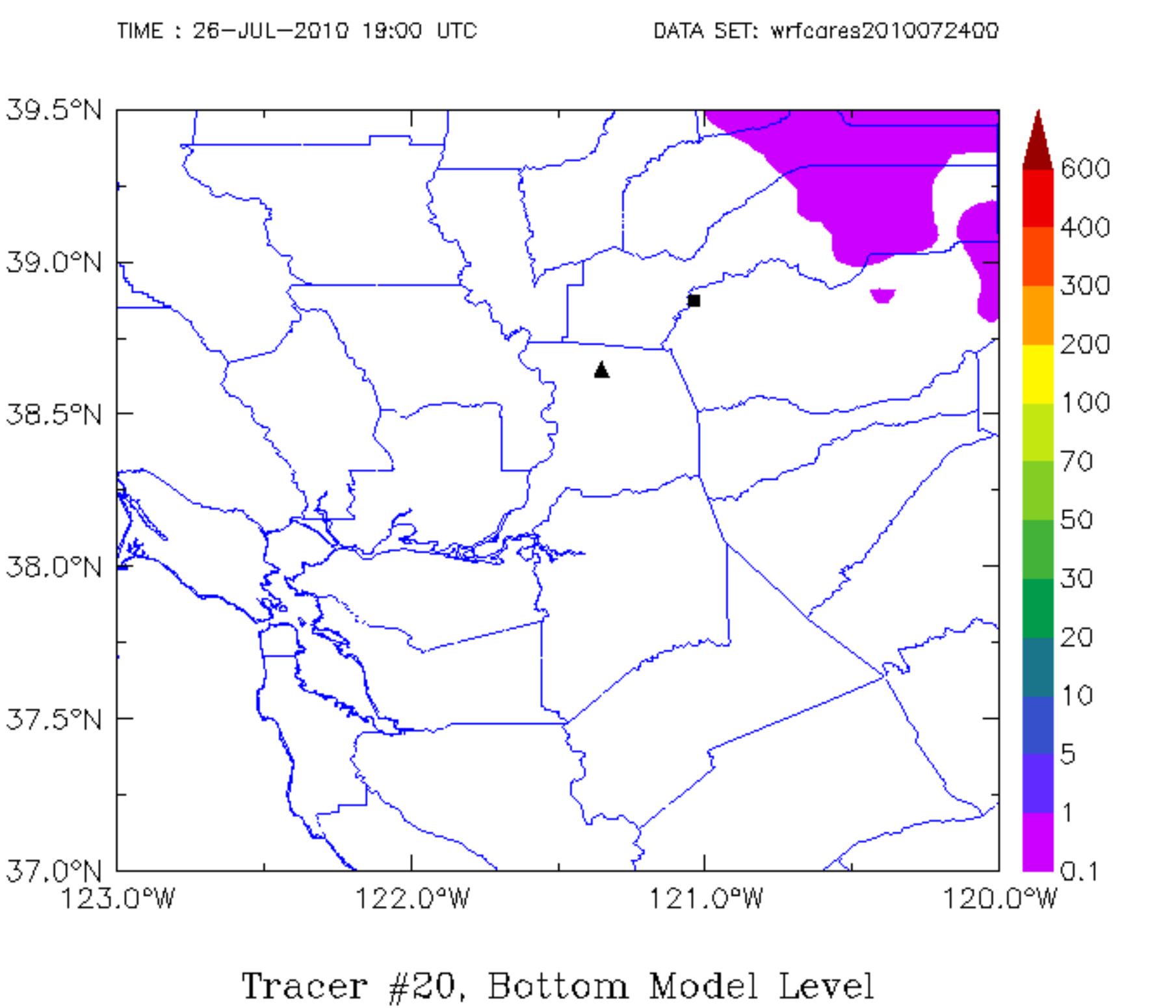


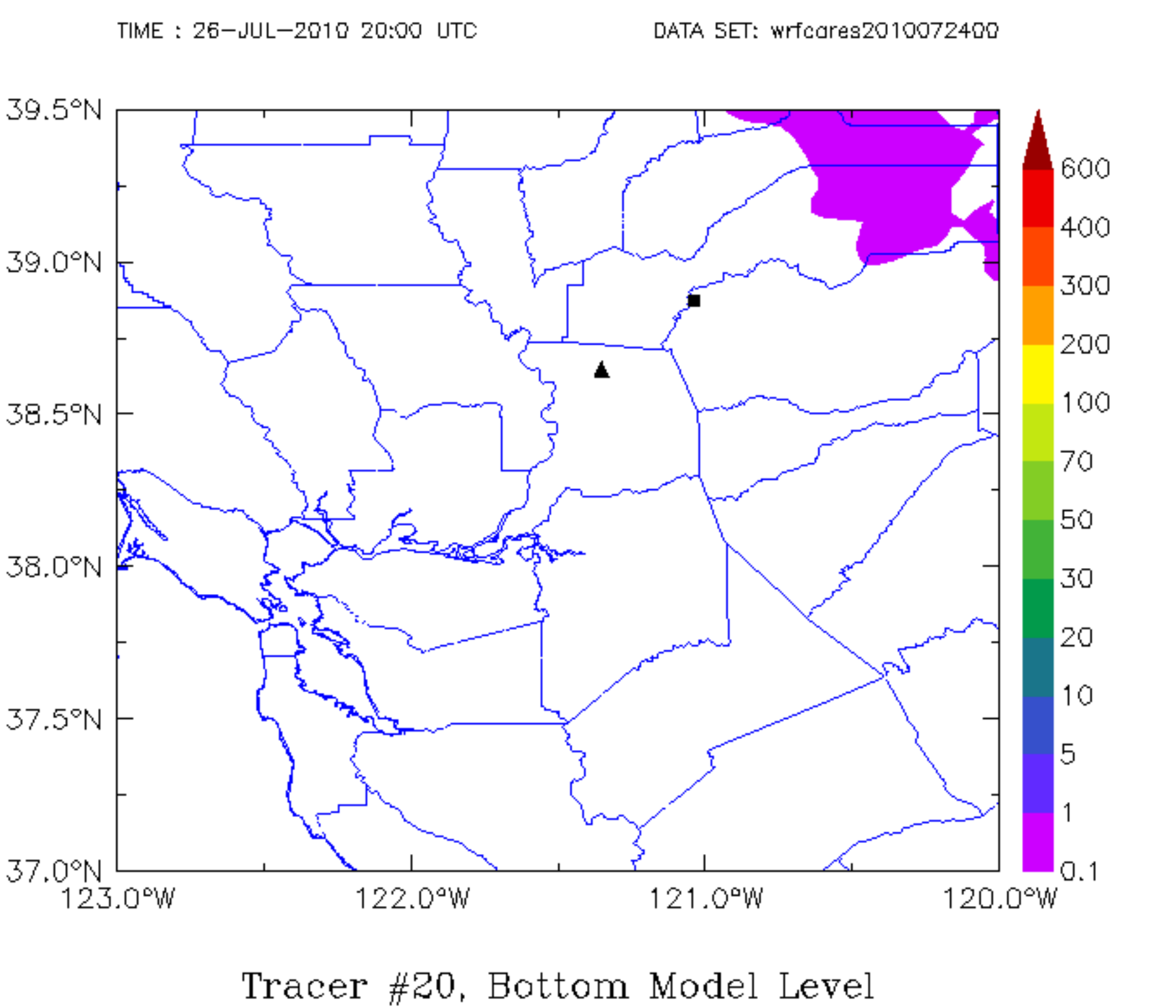
Tracer #20, Bottom Model Level

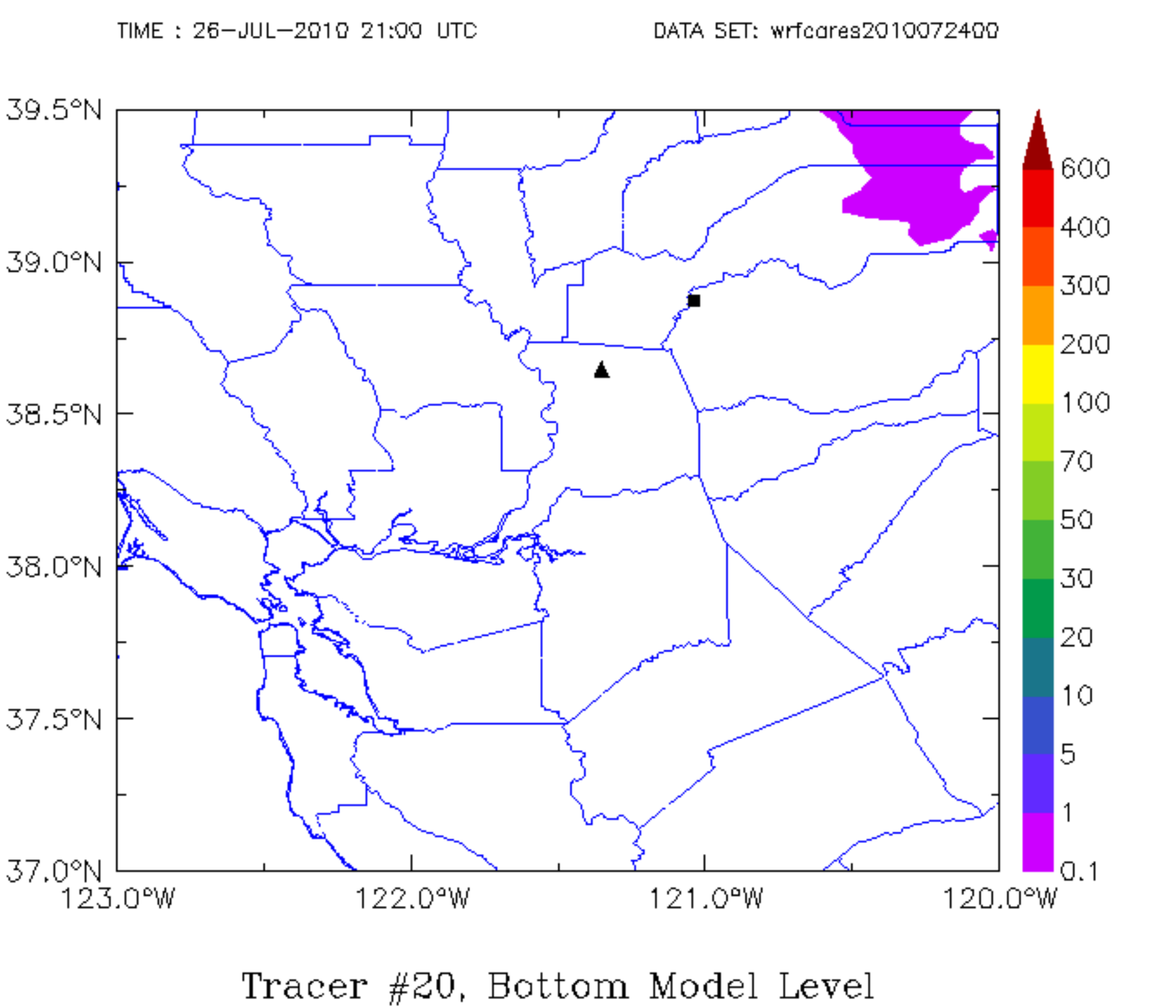
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

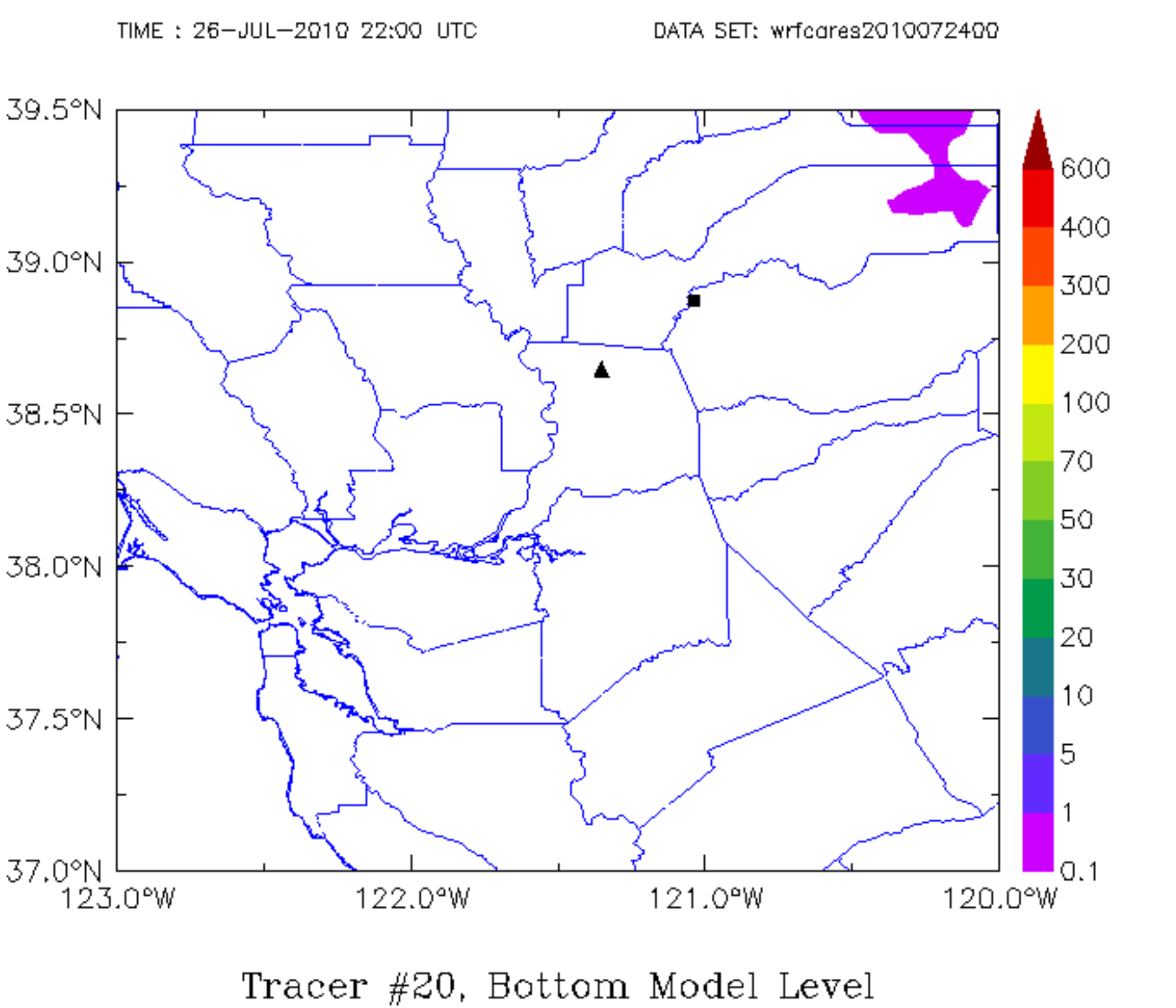

TIME : 26-JUL-2010 17:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov

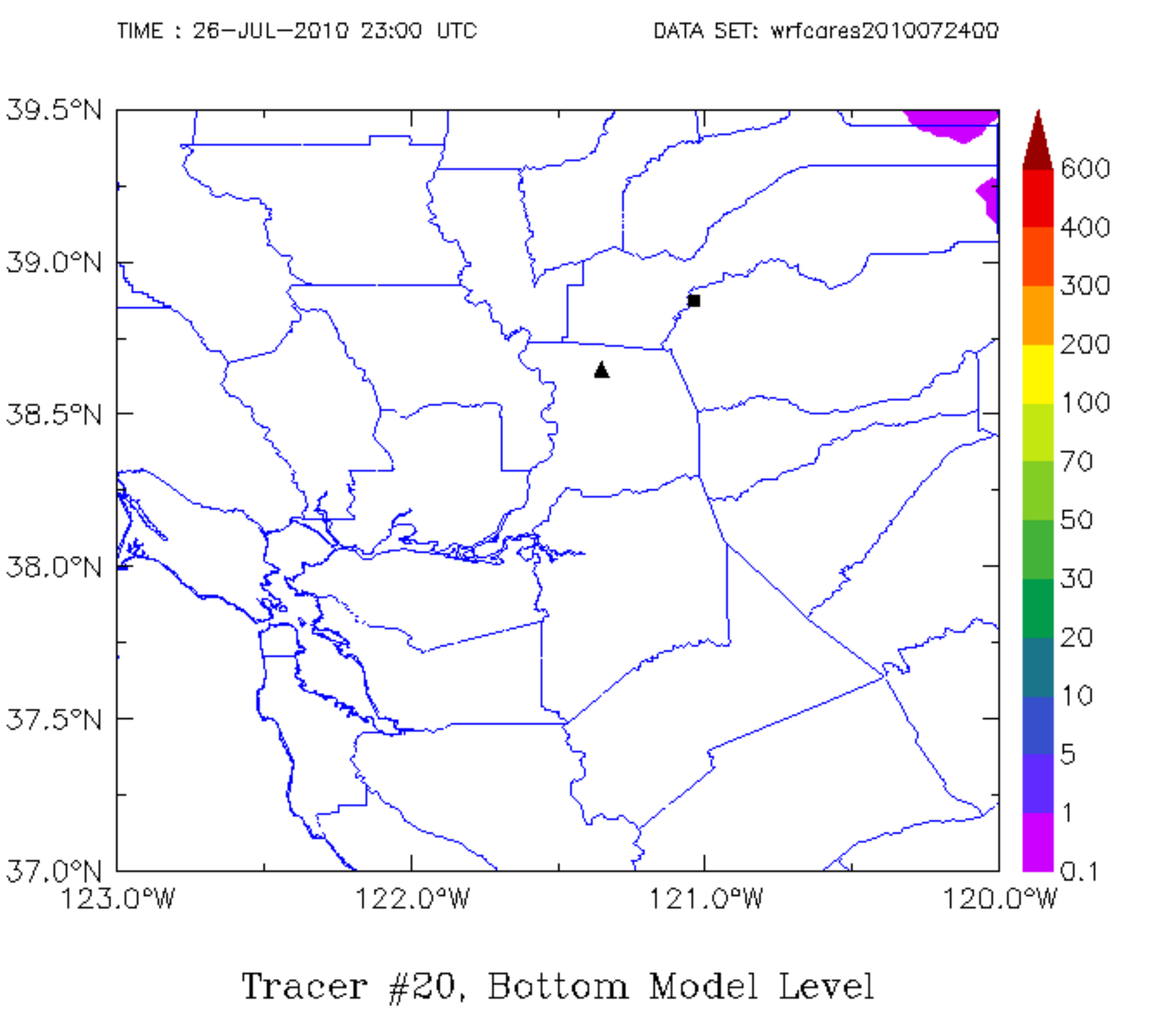

TIME : 26-JUL-2010 18:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 19:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 20:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 21:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 22:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov


TIME : 26-JUL-2010 23:00 UTC
DATA SET: wrfcares2010072400
39.5°N
39.0°N
38.5°N
38.0°N
37.5°N
37.0°N
123.0°W
122.0°W
121.0°W
120.0°W
600
400
300
200
100
70
50
30
20
10
5
1
0.1
Tracer #20, Bottom Model Level
WRF-CARES forecast generated at PNNL, AS&GC Division. For information contact William.Gustafson@pnl.gov