#----------
#
PFD mask in Alpha format
#
#----------

#
alpha scale
#
-29.0 -27.0 -25.0 -23.0 -21.0 -19.0 -17.0 -15.0 -13.0 -11.0 -9.0 -7.0 -5.0 -4.5 -4.0 -3.5 -3.0 -2.5 -2.0 -1.5 -1.0 -0.5 0.0
0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 7.0 9.0 11.0 13.0 15.0 17.0 19.0 21.0 23.0 25.0 27.0 29.0

#
delta longitude scale
#
0 10 20 30 40 50 60 70 80

#
latitude scale
#
0 1 2 5 10 20 30 40 70

#----------
2D PFD masks arrays
x scale: alpha values
y scale: delta longitude values
#----------

PFD mask array for latitude 0 to 1

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00

-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 1 to 2

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 2 to 5

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00

-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 5 to 10

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00

-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 10 to 20

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 20 to 30

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 30 to 40

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00

-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-128.10	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 40 to 70

-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00	-1000.00
-154.46	-154.46	-154.46	-154.46	-154.46	-154.46	-1000.00	-1000.00	-1000.00
-153.96	-153.96	-153.96	-153.96	-153.96	-153.96	-1000.00	-1000.00	-1000.00
-152.96	-152.96	-152.96	-152.96	-152.96	-152.96	-1000.00	-1000.00	-1000.00
-151.96	-151.96	-151.96	-151.96	-151.96	-151.96	-1000.00	-1000.00	-1000.00
-150.96	-150.96	-150.96	-150.96	-150.96	-150.96	-1000.00	-1000.00	-1000.00
-149.96	-149.96	-149.96	-149.96	-149.96	-149.96	-1000.00	-1000.00	-1000.00
-149.46	-149.46	-149.46	-149.46	-149.46	-149.46	-1000.00	-1000.00	-1000.00
-148.46	-148.46	-148.46	-148.46	-148.46	-148.46	-1000.00	-1000.00	-1000.00
-147.96	-147.96	-147.96	-147.96	-147.96	-1000.00	-1000.00	-1000.00	-1000.00
-147.46	-147.46	-147.46	-147.46	-147.46	-1000.00	-1000.00	-1000.00	-1000.00
-146.46	-146.46	-146.46	-146.46	-146.46	-1000.00	-1000.00	-1000.00	-1000.00
-143.96	-143.96	-143.96	-143.96	-143.96	-1000.00	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-140.96	-140.96	-140.96	-1000.00	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 70 to 90

-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00
-126.96	-126.96	-126.96	-126.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-127.46	-127.46	-127.46	-127.46	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-131.46	-131.46	-131.46	-131.46	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-137.46	-137.46	-137.46	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-140.96	-140.96	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

```
#-----------------------------------------------------------------------------------------
#
#                                    PFD mask in Alpha format
#
#-----------------------------------------------------------------------------------------

#
# alpha scale
#
 -29.0 -27.0 -25.0 -23.0 -21.0 -19.0 -17.0 -15.0 -13.0 -11.0  -9.0  -7.0  -5.0  -4.5  -4.0  -3.5  -3.0  -2.5  -2.0  -1.5  -1.0  -0.5   0.0
0.5   1.0   1.5   2.0   2.5   3.0   3.5   4.0   4.5   5.0   7.0   9.0  11.0  13.0  15.0  17.0  19.0  21.0  23.0  25.0  27.0  29.0

#
# delta longitude scale
#
   0   10   20   30   40   50   60   70   80

#
# latitude scale
#
   0    1    2    5   10   20   30   40   70

#-----------------------------------------------------------------------------------------
# 2D PFD masks arrays
# x scale: alpha values
# y scale: delta longitude values
#-----------------------------------------------------------------------------------------

# PFD mask array for latitude    0 to    1
  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98 -1000.00
  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98 -1000.00
  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98 -1000.00
  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98 -1000.00
  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98 -1000.00
  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98 -1000.00
  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98  -126.98 -1000.00 -1000.00
  -127.48  -127.48  -127.48  -127.48  -127.48  -127.48  -127.48 -1000.00 -1000.00
  -131.48  -131.48  -131.48  -131.48  -131.48  -131.48  -131.48 -1000.00 -1000.00
  -137.48  -137.48  -137.48  -137.48  -137.48  -137.48  -137.48 -1000.00 -1000.00
  -140.98  -140.98  -140.98  -140.98  -140.98  -140.98  -140.98 -1000.00 -1000.00
  -143.98  -143.98  -143.98  -143.98  -143.98  -143.98  -143.98 -1000.00 -1000.00
  -146.48  -146.48  -146.48  -146.48  -146.48  -146.48  -146.48 -1000.00 -1000.00
  -147.48  -147.48  -147.48  -147.48  -147.48  -147.48  -147.48 -1000.00 -1000.00
  -147.98  -147.98  -147.98  -147.98  -147.98  -147.98  -147.98 -1000.00 -1000.00
  -148.48  -148.48  -148.48  -148.48  -148.48  -148.48  -148.48 -1000.00 -1000.00
  -149.48  -149.48  -149.48  -149.48  -149.48  -149.48  -149.48 -1000.00 -1000.00
  -149.98  -149.98  -149.98  -149.98  -149.98  -149.98 -1000.00 -1000.00 -1000.00
  -150.98  -150.98  -150.98  -150.98  -150.98  -150.98 -1000.00 -1000.00 -1000.00
  -151.98  -151.98  -151.98  -151.98  -151.98  -151.98 -1000.00 -1000.00 -1000.00
  -152.98  -152.98  -152.98  -152.98  -152.98  -152.98 -1000.00 -1000.00 -1000.00
  -153.98  -153.98  -153.98  -153.98  -153.98  -153.98 -1000.00 -1000.00 -1000.00
  -154.48  -154.48  -154.48  -154.48  -154.48  -154.48 -1000.00 -1000.00 -1000.00
  -153.98  -153.98  -153.98  -153.98  -153.98  -153.98 -1000.00 -1000.00 -1000.00
  -152.98  -152.98  -152.98  -152.98  -152.98  -152.98 -1000.00 -1000.00 -1000.00
  -151.98  -151.98  -151.98  -151.98  -151.98  -151.98 -1000.00 -1000.00 -1000.00
  -150.98  -150.98  -150.98  -150.98  -150.98  -150.98 -1000.00 -1000.00 -1000.00
  -149.98  -149.98  -149.98  -149.98  -149.98  -149.98 -1000.00 -1000.00 -1000.00
  -149.48  -149.48  -149.48  -149.48  -149.48  -149.48 -1000.00 -1000.00 -1000.00
  -148.48  -148.48  -148.48  -148.48  -148.48  -148.48 -1000.00 -1000.00 -1000.00
  -147.98  -147.98  -147.98  -147.98  -147.98  -147.98 -1000.00 -1000.00 -1000.00
  -147.48  -147.48  -147.48  -147.48  -147.48  -147.48 -1000.00 -1000.00 -1000.00
  -146.48  -146.48  -146.48  -146.48  -146.48  -146.48 -1000.00 -1000.00 -1000.00
  -143.98  -143.98  -143.98  -143.98  -143.98  -143.98 -1000.00 -1000.00 -1000.00
  -140.98  -140.98  -140.98  -140.98  -140.98 -1000.00 -1000.00 -1000.00 -1000.00
  -137.48  -137.48  -137.48  -137.48  -137.48 -1000.00 -1000.00 -1000.00 -1000.00
  -131.48  -131.48  -131.48  -131.48  -131.48 -1000.00 -1000.00 -1000.00 -1000.00
  -127.48  -127.48  -127.48  -127.48  -127.48 -1000.00 -1000.00 -1000.00 -1000.00
```

-126.98 -126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 1 to 2
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00
-127.48 -127.48 -127.48 -127.48 -127.48 -127.48 -127.48 -1000.00 -1000.00
-131.48 -131.48 -131.48 -131.48 -131.48 -131.48 -131.48 -1000.00 -1000.00
-137.48 -137.48 -137.48 -137.48 -137.48 -137.48 -137.48 -1000.00 -1000.00
-140.98 -140.98 -140.98 -140.98 -140.98 -140.98 -140.98 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00
-147.98 -147.98 -147.98 -147.98 -147.98 -147.98 -147.98 -1000.00 -1000.00
-148.48 -148.48 -148.48 -148.48 -148.48 -148.48 -148.48 -1000.00 -1000.00
-149.48 -149.48 -149.48 -149.48 -149.48 -149.48 -149.48 -1000.00 -1000.00
-149.98 -149.98 -149.98 -149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00
-152.98 -152.98 -152.98 -152.98 -152.98 -152.98 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00
-154.48 -154.48 -154.48 -154.48 -154.48 -154.48 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00
-152.98 -152.98 -152.98 -152.98 -152.98 -152.98 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -149.98 -149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00
-149.48 -149.48 -149.48 -149.48 -149.48 -149.48 -1000.00 -1000.00 -1000.00
-148.48 -148.48 -148.48 -148.48 -148.48 -148.48 -1000.00 -1000.00 -1000.00
-147.98 -147.98 -147.98 -147.98 -147.98 -147.98 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00
-140.98 -140.98 -140.98 -140.98 -140.98 -1000.00 -1000.00 -1000.00 -1000.00
-137.48 -137.48 -137.48 -137.48 -137.48 -1000.00 -1000.00 -1000.00 -1000.00
-131.48 -131.48 -131.48 -131.48 -131.48 -1000.00 -1000.00 -1000.00 -1000.00
-127.48 -127.48 -127.48 -127.48 -127.48 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 2 to 5
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00
-127.48 -127.48 -127.48 -127.48 -127.48 -127.48 -127.48 -1000.00 -1000.00
-131.48 -131.48 -131.48 -131.48 -131.48 -131.48 -131.48 -1000.00 -1000.00
-137.48 -137.48 -137.48 -137.48 -137.48 -137.48 -137.48 -1000.00 -1000.00

-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00	-1000.00	-1000.00
-137.48	-137.48	-137.48	-137.48	-137.48	-1000.00	-1000.00	-1000.00	-1000.00
-131.48	-131.48	-131.48	-131.48	-131.48	-1000.00	-1000.00	-1000.00	-1000.00
-127.48	-127.48	-127.48	-127.48	-127.48	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 5 to 10

-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-1000.00	-1000.00
-131.48	-131.48	-131.48	-131.48	-131.48	-131.48	-131.48	-1000.00	-1000.00
-137.48	-137.48	-137.48	-137.48	-137.48	-137.48	-137.48	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00

-148.48 -148.48 -148.48 -148.48 -148.48 -148.48 -1000.00 -1000.00 -1000.00
-147.98 -147.98 -147.98 -147.98 -147.98 -147.98 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00
-140.98 -140.98 -140.98 -140.98 -140.98 -1000.00 -1000.00 -1000.00 -1000.00
-137.48 -137.48 -137.48 -137.48 -137.48 -1000.00 -1000.00 -1000.00 -1000.00
-131.48 -131.48 -131.48 -131.48 -131.48 -1000.00 -1000.00 -1000.00 -1000.00
-127.48 -127.48 -127.48 -127.48 -127.48 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 10 to 20
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00
-127.48 -127.48 -127.48 -127.48 -127.48 -127.48 -127.48 -1000.00 -1000.00
-131.48 -131.48 -131.48 -131.48 -131.48 -131.48 -131.48 -1000.00 -1000.00
-137.48 -137.48 -137.48 -137.48 -137.48 -137.48 -137.48 -1000.00 -1000.00
-140.98 -140.98 -140.98 -140.98 -140.98 -140.98 -140.98 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00
-147.98 -147.98 -147.98 -147.98 -147.98 -147.98 -147.98 -1000.00 -1000.00
-148.48 -148.48 -148.48 -148.48 -148.48 -148.48 -148.48 -1000.00 -1000.00
-149.48 -149.48 -149.48 -149.48 -149.48 -149.48 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -149.98 -149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00
-152.98 -152.98 -152.98 -152.98 -152.98 -152.98 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00
-154.48 -154.48 -154.48 -154.48 -154.48 -154.48 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00
-152.98 -152.98 -152.98 -152.98 -152.98 -152.98 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -149.98 -149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00
-149.48 -149.48 -149.48 -149.48 -149.48 -149.48 -1000.00 -1000.00 -1000.00
-148.48 -148.48 -148.48 -148.48 -148.48 -148.48 -1000.00 -1000.00 -1000.00
-147.98 -147.98 -147.98 -147.98 -147.98 -147.98 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00 -1000.00
-140.98 -140.98 -140.98 -140.98 -140.98 -1000.00 -1000.00 -1000.00 -1000.00
-137.48 -137.48 -137.48 -137.48 -137.48 -1000.00 -1000.00 -1000.00 -1000.00
-131.48 -131.48 -131.48 -131.48 -131.48 -1000.00 -1000.00 -1000.00 -1000.00
-127.48 -127.48 -127.48 -127.48 -127.48 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 20 to 30
-126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -126.98 -1000.00

-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-1000.00	-1000.00
-131.48	-131.48	-131.48	-131.48	-131.48	-131.48	-131.48	-1000.00	-1000.00
-137.48	-137.48	-137.48	-137.48	-137.48	-137.48	-137.48	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00	-1000.00	-1000.00
-137.48	-137.48	-137.48	-137.48	-137.48	-1000.00	-1000.00	-1000.00	-1000.00
-131.48	-131.48	-131.48	-131.48	-131.48	-1000.00	-1000.00	-1000.00	-1000.00
-127.48	-127.48	-127.48	-127.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 30 to 40

-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-1000.00	-1000.00
-131.48	-131.48	-131.48	-131.48	-131.48	-131.48	-131.48	-1000.00	-1000.00
-137.48	-137.48	-137.48	-137.48	-137.48	-137.48	-137.48	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00

-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00	-1000.00	-1000.00
-137.48	-137.48	-137.48	-137.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-131.48	-131.48	-131.48	-131.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-127.48	-127.48	-127.48	-127.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 40 to 70

-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-126.98	-1000.00	-1000.00
-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-127.48	-1000.00	-1000.00
-131.48	-131.48	-131.48	-131.48	-131.48	-131.48	-1000.00	-1000.00	-1000.00
-137.48	-137.48	-137.48	-137.48	-137.48	-137.48	-1000.00	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.98	-152.98	-152.98	-152.98	-152.98	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-149.48	-149.48	-149.48	-149.48	-149.48	-1000.00	-1000.00	-1000.00	-1000.00
-148.48	-148.48	-148.48	-148.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-147.98	-147.98	-147.98	-147.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-140.98	-140.98	-140.98	-140.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-137.48	-137.48	-137.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-131.48	-131.48	-131.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-127.48	-127.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-126.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 70 to 90
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-126.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

```
#-----------------------------------------------------------------------------------------
#
#                                    PFD mask in Alpha format
#
#-----------------------------------------------------------------------------------------

#
# alpha scale
#
 -29.0 -27.0 -25.0 -23.0 -21.0 -19.0 -17.0 -15.0 -13.0 -11.0  -9.0  -7.0  -5.0  -4.5  -4.0  -3.5  -3.0  -2.5  -2.0  -1.5  -1.0  -0.5   0.0
0.5   1.0   1.5   2.0   2.5   3.0   3.5   4.0   4.5   5.0   7.0   9.0  11.0  13.0  15.0  17.0  19.0  21.0  23.0  25.0  27.0  29.0

#
# delta longitude scale
#
   0   10   20   30   40   50   60   70   80

#
# latitude scale
#
   0    1    2    5   10   20   30   40   70

#-----------------------------------------------------------------------------------------
# 2D PFD masks arrays
# x scale: alpha values
# y scale: delta longitude values
#-----------------------------------------------------------------------------------------

# PFD mask array for latitude    0 to    1
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00
  -130.81  -130.81  -130.81  -130.81  -130.81  -130.81  -130.81 -1000.00 -1000.00
  -136.31  -136.31  -136.31  -136.31  -136.31  -136.31  -136.31 -1000.00 -1000.00
  -141.31  -141.31  -141.31  -141.31  -141.31  -141.31 -1000.00 -1000.00 -1000.00
  -144.81  -144.81  -144.81  -144.81  -144.81  -144.81 -1000.00 -1000.00 -1000.00
  -147.31  -147.31  -147.31  -147.31  -147.31  -147.31 -1000.00 -1000.00 -1000.00
  -147.81  -147.81  -147.81  -147.81  -147.81  -147.81 -1000.00 -1000.00 -1000.00
  -148.31  -148.31  -148.31  -148.31  -148.31  -148.31 -1000.00 -1000.00 -1000.00
  -149.31  -149.31  -149.31  -149.31  -149.31  -149.31 -1000.00 -1000.00 -1000.00
  -149.81  -149.81  -149.81  -149.81  -149.81  -149.81 -1000.00 -1000.00 -1000.00
  -150.31  -150.31  -150.31  -150.31  -150.31  -150.31 -1000.00 -1000.00 -1000.00
  -151.31  -151.31  -151.31  -151.31  -151.31  -151.31 -1000.00 -1000.00 -1000.00
  -151.81  -151.81  -151.81  -151.81  -151.81  -151.81 -1000.00 -1000.00 -1000.00
  -152.81  -152.81  -152.81  -152.81  -152.81  -152.81 -1000.00 -1000.00 -1000.00
  -153.81  -153.81  -153.81  -153.81  -153.81  -153.81 -1000.00 -1000.00 -1000.00
  -154.81  -154.81  -154.81  -154.81  -154.81  -154.81 -1000.00 -1000.00 -1000.00
  -153.81  -153.81  -153.81  -153.81  -153.81  -153.81 -1000.00 -1000.00 -1000.00
  -152.81  -152.81  -152.81  -152.81  -152.81  -152.81 -1000.00 -1000.00 -1000.00
  -151.81  -151.81  -151.81  -151.81  -151.81 -1000.00 -1000.00 -1000.00 -1000.00
  -151.31  -151.31  -151.31  -151.31  -151.31 -1000.00 -1000.00 -1000.00 -1000.00
  -150.31  -150.31  -150.31  -150.31  -150.31 -1000.00 -1000.00 -1000.00 -1000.00
  -149.81  -149.81  -149.81  -149.81  -149.81 -1000.00 -1000.00 -1000.00 -1000.00
  -149.31  -149.31  -149.31  -149.31  -149.31 -1000.00 -1000.00 -1000.00 -1000.00
  -148.31  -148.31  -148.31  -148.31  -148.31 -1000.00 -1000.00 -1000.00 -1000.00
  -147.81  -147.81  -147.81  -147.81  -147.81 -1000.00 -1000.00 -1000.00 -1000.00
  -147.31  -147.31  -147.31  -147.31  -147.31 -1000.00 -1000.00 -1000.00 -1000.00
  -144.81  -144.81  -144.81  -144.81  -144.81 -1000.00 -1000.00 -1000.00 -1000.00
  -141.31  -141.31  -141.31  -141.31  -141.31 -1000.00 -1000.00 -1000.00 -1000.00
  -136.31  -136.31  -136.31  -136.31  -136.31 -1000.00 -1000.00 -1000.00 -1000.00
  -130.81  -130.81  -130.81  -130.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
  -128.81  -128.81  -128.81  -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
```

-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 1 to 2
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-130.81 -130.81 -130.81 -130.81 -130.81 -130.81 -130.81 -1000.00 -1000.00
-136.31 -136.31 -136.31 -136.31 -136.31 -136.31 -136.31 -1000.00 -1000.00
-141.31 -141.31 -141.31 -141.31 -141.31 -141.31 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00
-147.31 -147.31 -147.31 -147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00
-147.81 -147.81 -147.81 -147.81 -147.81 -147.81 -1000.00 -1000.00 -1000.00
-148.31 -148.31 -148.31 -148.31 -148.31 -148.31 -1000.00 -1000.00 -1000.00
-149.31 -149.31 -149.31 -149.31 -149.31 -149.31 -1000.00 -1000.00 -1000.00
-149.81 -149.81 -149.81 -149.81 -149.81 -149.81 -1000.00 -1000.00 -1000.00
-150.31 -150.31 -150.31 -150.31 -150.31 -150.31 -1000.00 -1000.00 -1000.00
-151.31 -151.31 -151.31 -151.31 -151.31 -151.31 -1000.00 -1000.00 -1000.00
-151.81 -151.81 -151.81 -151.81 -151.81 -151.81 -1000.00 -1000.00 -1000.00
-152.81 -152.81 -152.81 -152.81 -152.81 -152.81 -1000.00 -1000.00 -1000.00
-153.81 -153.81 -153.81 -153.81 -153.81 -153.81 -1000.00 -1000.00 -1000.00
-154.81 -154.81 -154.81 -154.81 -154.81 -154.81 -1000.00 -1000.00 -1000.00
-153.81 -153.81 -153.81 -153.81 -153.81 -153.81 -1000.00 -1000.00 -1000.00
-152.81 -152.81 -152.81 -152.81 -152.81 -152.81 -1000.00 -1000.00 -1000.00
-151.81 -151.81 -151.81 -151.81 -151.81 -1000.00 -1000.00 -1000.00 -1000.00
-151.31 -151.31 -151.31 -151.31 -151.31 -1000.00 -1000.00 -1000.00 -1000.00
-150.31 -150.31 -150.31 -150.31 -150.31 -1000.00 -1000.00 -1000.00 -1000.00
-149.81 -149.81 -149.81 -149.81 -149.81 -1000.00 -1000.00 -1000.00 -1000.00
-149.31 -149.31 -149.31 -149.31 -149.31 -1000.00 -1000.00 -1000.00 -1000.00
-148.31 -148.31 -148.31 -148.31 -148.31 -1000.00 -1000.00 -1000.00 -1000.00
-147.81 -147.81 -147.81 -147.81 -147.81 -1000.00 -1000.00 -1000.00 -1000.00
-147.31 -147.31 -147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00 -1000.00
-141.31 -141.31 -141.31 -141.31 -141.31 -1000.00 -1000.00 -1000.00 -1000.00
-136.31 -136.31 -136.31 -136.31 -136.31 -1000.00 -1000.00 -1000.00 -1000.00
-130.81 -130.81 -130.81 -130.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 2 to 5
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-130.81 -130.81 -130.81 -130.81 -130.81 -130.81 -130.81 -1000.00 -1000.00
-136.31 -136.31 -136.31 -136.31 -136.31 -136.31 -136.31 -1000.00 -1000.00

-141.31	-141.31	-141.31	-141.31	-141.31	-141.31	-1000.00	-1000.00	-1000.00
-144.81	-144.81	-144.81	-144.81	-144.81	-144.81	-1000.00	-1000.00	-1000.00
-147.31	-147.31	-147.31	-147.31	-147.31	-147.31	-1000.00	-1000.00	-1000.00
-147.81	-147.81	-147.81	-147.81	-147.81	-147.81	-1000.00	-1000.00	-1000.00
-148.31	-148.31	-148.31	-148.31	-148.31	-148.31	-1000.00	-1000.00	-1000.00
-149.31	-149.31	-149.31	-149.31	-149.31	-149.31	-1000.00	-1000.00	-1000.00
-149.81	-149.81	-149.81	-149.81	-149.81	-149.81	-1000.00	-1000.00	-1000.00
-150.31	-150.31	-150.31	-150.31	-150.31	-150.31	-1000.00	-1000.00	-1000.00
-151.31	-151.31	-151.31	-151.31	-151.31	-151.31	-1000.00	-1000.00	-1000.00
-151.81	-151.81	-151.81	-151.81	-151.81	-151.81	-1000.00	-1000.00	-1000.00
-152.81	-152.81	-152.81	-152.81	-152.81	-152.81	-1000.00	-1000.00	-1000.00
-153.81	-153.81	-153.81	-153.81	-153.81	-153.81	-1000.00	-1000.00	-1000.00
-154.81	-154.81	-154.81	-154.81	-154.81	-154.81	-1000.00	-1000.00	-1000.00
-153.81	-153.81	-153.81	-153.81	-153.81	-153.81	-1000.00	-1000.00	-1000.00
-152.81	-152.81	-152.81	-152.81	-152.81	-152.81	-1000.00	-1000.00	-1000.00
-151.81	-151.81	-151.81	-151.81	-151.81	-1000.00	-1000.00	-1000.00	-1000.00
-151.31	-151.31	-151.31	-151.31	-151.31	-1000.00	-1000.00	-1000.00	-1000.00
-150.31	-150.31	-150.31	-150.31	-150.31	-1000.00	-1000.00	-1000.00	-1000.00
-149.81	-149.81	-149.81	-149.81	-149.81	-1000.00	-1000.00	-1000.00	-1000.00
-149.31	-149.31	-149.31	-149.31	-149.31	-1000.00	-1000.00	-1000.00	-1000.00
-148.31	-148.31	-148.31	-148.31	-148.31	-1000.00	-1000.00	-1000.00	-1000.00
-147.81	-147.81	-147.81	-147.81	-147.81	-1000.00	-1000.00	-1000.00	-1000.00
-147.31	-147.31	-147.31	-147.31	-147.31	-1000.00	-1000.00	-1000.00	-1000.00
-144.81	-144.81	-144.81	-144.81	-144.81	-1000.00	-1000.00	-1000.00	-1000.00
-141.31	-141.31	-141.31	-141.31	-141.31	-1000.00	-1000.00	-1000.00	-1000.00
-136.31	-136.31	-136.31	-136.31	-136.31	-1000.00	-1000.00	-1000.00	-1000.00
-130.81	-130.81	-130.81	-130.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 5 to 10

-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-130.81	-130.81	-130.81	-130.81	-130.81	-130.81	-130.81	-1000.00	-1000.00
-136.31	-136.31	-136.31	-136.31	-136.31	-136.31	-136.31	-1000.00	-1000.00
-141.31	-141.31	-141.31	-141.31	-141.31	-141.31	-1000.00	-1000.00	-1000.00
-144.81	-144.81	-144.81	-144.81	-144.81	-144.81	-1000.00	-1000.00	-1000.00
-147.31	-147.31	-147.31	-147.31	-147.31	-147.31	-1000.00	-1000.00	-1000.00
-147.81	-147.81	-147.81	-147.81	-147.81	-147.81	-1000.00	-1000.00	-1000.00
-148.31	-148.31	-148.31	-148.31	-148.31	-148.31	-1000.00	-1000.00	-1000.00
-149.31	-149.31	-149.31	-149.31	-149.31	-149.31	-1000.00	-1000.00	-1000.00
-149.81	-149.81	-149.81	-149.81	-149.81	-149.81	-1000.00	-1000.00	-1000.00
-150.31	-150.31	-150.31	-150.31	-150.31	-150.31	-1000.00	-1000.00	-1000.00
-151.31	-151.31	-151.31	-151.31	-151.31	-151.31	-1000.00	-1000.00	-1000.00
-151.81	-151.81	-151.81	-151.81	-151.81	-151.81	-1000.00	-1000.00	-1000.00
-152.81	-152.81	-152.81	-152.81	-152.81	-152.81	-1000.00	-1000.00	-1000.00
-153.81	-153.81	-153.81	-153.81	-153.81	-153.81	-1000.00	-1000.00	-1000.00
-154.81	-154.81	-154.81	-154.81	-154.81	-154.81	-1000.00	-1000.00	-1000.00
-153.81	-153.81	-153.81	-153.81	-153.81	-153.81	-1000.00	-1000.00	-1000.00
-152.81	-152.81	-152.81	-152.81	-152.81	-1000.00	-1000.00	-1000.00	-1000.00
-151.81	-151.81	-151.81	-151.81	-151.81	-1000.00	-1000.00	-1000.00	-1000.00
-151.31	-151.31	-151.31	-151.31	-151.31	-1000.00	-1000.00	-1000.00	-1000.00
-150.31	-150.31	-150.31	-150.31	-150.31	-1000.00	-1000.00	-1000.00	-1000.00
-149.81	-149.81	-149.81	-149.81	-149.81	-1000.00	-1000.00	-1000.00	-1000.00

-149.31 -149.31 -149.31 -149.31 -149.31 -1000.00 -1000.00 -1000.00 -1000.00
-148.31 -148.31 -148.31 -148.31 -148.31 -1000.00 -1000.00 -1000.00 -1000.00
-147.81 -147.81 -147.81 -147.81 -147.81 -1000.00 -1000.00 -1000.00 -1000.00
-147.31 -147.31 -147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00 -1000.00
-141.31 -141.31 -141.31 -141.31 -141.31 -1000.00 -1000.00 -1000.00 -1000.00
-136.31 -136.31 -136.31 -136.31 -141.02 -1000.00 -1000.00 -1000.00 -1000.00
-130.81 -130.81 -130.81 -130.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -129.59 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 10 to 20
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-130.81 -130.81 -130.81 -130.81 -130.81 -130.81 -130.81 -1000.00 -1000.00
-136.31 -136.31 -136.31 -136.31 -136.31 -136.31 -1000.00 -1000.00 -1000.00
-141.31 -141.31 -141.31 -141.31 -141.31 -141.31 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00
-147.31 -147.31 -147.31 -147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00
-147.81 -147.81 -147.81 -147.81 -147.81 -147.81 -1000.00 -1000.00 -1000.00
-148.31 -148.31 -148.31 -148.31 -148.31 -148.31 -1000.00 -1000.00 -1000.00
-149.31 -149.31 -149.31 -149.31 -149.31 -149.31 -1000.00 -1000.00 -1000.00
-149.81 -149.81 -149.81 -149.81 -149.81 -149.81 -1000.00 -1000.00 -1000.00
-150.31 -150.31 -150.31 -150.31 -150.31 -150.31 -1000.00 -1000.00 -1000.00
-151.31 -151.31 -151.31 -151.31 -151.31 -151.31 -1000.00 -1000.00 -1000.00
-151.81 -151.81 -151.81 -151.81 -151.81 -151.81 -1000.00 -1000.00 -1000.00
-152.81 -152.81 -152.81 -152.81 -152.81 -152.81 -1000.00 -1000.00 -1000.00
-153.81 -153.81 -153.81 -153.81 -153.81 -153.81 -1000.00 -1000.00 -1000.00
-154.81 -154.81 -154.81 -154.81 -154.81 -154.81 -1000.00 -1000.00 -1000.00
-153.81 -153.81 -153.81 -153.81 -153.81 -1000.00 -1000.00 -1000.00 -1000.00
-152.81 -152.81 -152.81 -152.81 -152.81 -1000.00 -1000.00 -1000.00 -1000.00
-151.81 -151.81 -151.81 -151.81 -151.81 -1000.00 -1000.00 -1000.00 -1000.00
-151.31 -151.31 -151.31 -151.31 -151.31 -1000.00 -1000.00 -1000.00 -1000.00
-150.31 -150.31 -150.31 -150.31 -150.31 -1000.00 -1000.00 -1000.00 -1000.00
-149.81 -149.81 -149.81 -149.81 -149.81 -1000.00 -1000.00 -1000.00 -1000.00
-149.31 -149.31 -149.31 -149.31 -149.31 -1000.00 -1000.00 -1000.00 -1000.00
-148.31 -148.31 -148.31 -148.31 -148.31 -1000.00 -1000.00 -1000.00 -1000.00
-147.81 -147.81 -147.81 -147.81 -147.81 -1000.00 -1000.00 -1000.00 -1000.00
-147.31 -147.31 -147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00 -1000.00
-141.31 -141.31 -141.31 -141.31 -141.31 -1000.00 -1000.00 -1000.00 -1000.00
-136.31 -136.31 -136.31 -136.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.81 -130.81 -130.81 -130.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 20 to 30
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00

-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-130.81	-130.81	-130.81	-130.81	-130.81	-130.81	-1000.00	-1000.00	-1000.00
-136.31	-136.31	-136.31	-136.31	-136.31	-136.31	-1000.00	-1000.00	-1000.00
-141.31	-141.31	-141.31	-141.31	-141.31	-141.31	-1000.00	-1000.00	-1000.00
-144.81	-144.81	-144.81	-144.81	-144.81	-144.81	-1000.00	-1000.00	-1000.00
-147.31	-147.31	-147.31	-147.31	-147.31	-147.31	-1000.00	-1000.00	-1000.00
-147.81	-147.81	-147.81	-147.81	-147.81	-147.81	-1000.00	-1000.00	-1000.00
-148.31	-148.31	-148.31	-148.31	-148.31	-148.31	-1000.00	-1000.00	-1000.00
-149.31	-149.31	-149.31	-149.31	-149.31	-149.31	-1000.00	-1000.00	-1000.00
-149.81	-149.81	-149.81	-149.81	-149.81	-149.81	-1000.00	-1000.00	-1000.00
-150.31	-150.31	-150.31	-150.31	-150.31	-150.31	-1000.00	-1000.00	-1000.00
-151.31	-151.31	-151.31	-151.31	-151.31	-151.31	-1000.00	-1000.00	-1000.00
-151.81	-151.81	-151.81	-151.81	-151.81	-1000.00	-1000.00	-1000.00	-1000.00
-152.81	-152.81	-152.81	-152.81	-152.81	-1000.00	-1000.00	-1000.00	-1000.00
-153.81	-153.81	-153.81	-153.81	-153.81	-1000.00	-1000.00	-1000.00	-1000.00
-154.81	-154.81	-154.81	-154.81	-154.81	-1000.00	-1000.00	-1000.00	-1000.00
-153.81	-153.81	-153.81	-153.81	-153.81	-1000.00	-1000.00	-1000.00	-1000.00
-152.81	-152.81	-152.81	-152.81	-152.81	-1000.00	-1000.00	-1000.00	-1000.00
-151.81	-151.81	-151.81	-151.81	-151.81	-1000.00	-1000.00	-1000.00	-1000.00
-151.31	-151.31	-151.31	-151.31	-151.31	-1000.00	-1000.00	-1000.00	-1000.00
-150.31	-150.31	-150.31	-150.31	-150.31	-1000.00	-1000.00	-1000.00	-1000.00
-149.81	-149.81	-149.81	-149.81	-149.81	-1000.00	-1000.00	-1000.00	-1000.00
-149.31	-149.31	-149.31	-149.31	-149.31	-1000.00	-1000.00	-1000.00	-1000.00
-148.31	-148.31	-148.31	-148.31	-148.31	-1000.00	-1000.00	-1000.00	-1000.00
-147.81	-147.81	-147.81	-147.81	-147.81	-1000.00	-1000.00	-1000.00	-1000.00
-147.31	-147.31	-147.31	-147.31	-147.31	-1000.00	-1000.00	-1000.00	-1000.00
-144.81	-144.81	-144.81	-144.81	-144.81	-1000.00	-1000.00	-1000.00	-1000.00
-141.31	-141.31	-141.31	-141.31	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-136.31	-136.31	-136.31	-136.31	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.81	-130.81	-130.81	-130.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 30 to 40

-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00
-128.81	-128.81	-128.81	-128.81	-128.81	-128.81	-1000.00	-1000.00	-1000.00
-130.81	-130.81	-130.81	-130.81	-130.81	-130.81	-1000.00	-1000.00	-1000.00
-136.31	-136.31	-136.31	-136.31	-136.31	-136.31	-1000.00	-1000.00	-1000.00
-141.31	-141.31	-141.31	-141.31	-141.31	-141.31	-1000.00	-1000.00	-1000.00
-144.81	-144.81	-144.81	-144.81	-144.81	-144.81	-1000.00	-1000.00	-1000.00
-147.31	-147.31	-147.31	-147.31	-147.31	-1000.00	-1000.00	-1000.00	-1000.00
-147.81	-147.81	-147.81	-147.81	-147.81	-1000.00	-1000.00	-1000.00	-1000.00
-148.31	-148.31	-148.31	-148.31	-148.31	-1000.00	-1000.00	-1000.00	-1000.00
-149.31	-149.31	-149.31	-149.31	-149.31	-1000.00	-1000.00	-1000.00	-1000.00
-149.81	-149.81	-149.81	-149.81	-149.81	-1000.00	-1000.00	-1000.00	-1000.00
-150.31	-150.31	-150.31	-150.31	-150.31	-1000.00	-1000.00	-1000.00	-1000.00
-151.31	-151.31	-151.31	-151.31	-151.31	-1000.00	-1000.00	-1000.00	-1000.00
-151.81	-151.81	-151.81	-151.81	-151.81	-1000.00	-1000.00	-1000.00	-1000.00

-152.81 -152.81 -152.81 -152.81 -152.81 -1000.00 -1000.00 -1000.00 -1000.00
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-151.31 -151.31 -151.31 -151.31 -151.31 -1000.00 -1000.00 -1000.00 -1000.00
-150.31 -150.31 -150.31 -150.31 -150.31 -1000.00 -1000.00 -1000.00 -1000.00
-149.81 -149.81 -149.81 -149.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-147.31 -147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-141.31 -141.31 -141.31 -141.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-136.31 -136.31 -136.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.81 -130.81 -130.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 40 to 70
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00
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-128.81 -128.81 -128.81 -128.81 -128.81 -128.81 -1000.00 -1000.00 -1000.00
-130.81 -130.81 -130.81 -130.81 -130.81 -130.81 -1000.00 -1000.00 -1000.00
-136.31 -136.31 -136.31 -136.31 -136.31 -1000.00 -1000.00 -1000.00 -1000.00
-141.31 -141.31 -141.31 -141.31 -141.31 -1000.00 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00 -1000.00
-147.31 -147.31 -147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00 -1000.00
-147.81 -147.81 -147.81 -147.81 -147.81 -1000.00 -1000.00 -1000.00 -1000.00
-148.31 -148.31 -148.31 -148.31 -148.31 -1000.00 -1000.00 -1000.00 -1000.00
-149.31 -149.31 -149.31 -149.31 -149.31 -1000.00 -1000.00 -1000.00 -1000.00
-149.81 -149.81 -149.81 -149.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-150.31 -150.31 -150.31 -150.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-151.31 -151.31 -151.31 -151.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-151.31 -151.31 -151.31 -151.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-150.31 -150.31 -150.31 -150.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-149.81 -149.81 -149.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-149.31 -149.31 -149.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-148.31 -148.31 -148.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-147.81 -147.81 -147.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-147.31 -147.31 -147.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-144.81 -144.81 -144.81 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-141.31 -141.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-136.31 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 70 to 90
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

```
#-----------------------------------------------------------------------------------------
#
#                                    PFD mask in Alpha format
#
#-----------------------------------------------------------------------------------------

#
# alpha scale
#
 -29.0 -27.0 -25.0 -23.0 -21.0 -19.0 -17.0 -15.0 -13.0 -11.0  -9.0  -7.0  -5.0  -4.5  -4.0  -3.5  -3.0  -2.5  -2.0  -1.5  -1.0  -0.5   0.0
0.5   1.0   1.5   2.0   2.5   3.0   3.5   4.0   4.5   5.0   7.0   9.0  11.0  13.0  15.0  17.0  19.0  21.0  23.0  25.0  27.0  29.0

#
# delta longitude scale
#
   0   10   20   30   40   50   60   70   80

#
# latitude scale
#
   0    1    2    5   10   20   30   40   70

#-----------------------------------------------------------------------------------------
# 2D PFD masks arrays
# x scale: alpha values
# y scale: delta longitude values
#-----------------------------------------------------------------------------------------

# PFD mask array for latitude    0 to    1
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00 -1000.00
  -132.98  -132.98  -132.98  -132.98  -132.98  -132.98 -1000.00 -1000.00 -1000.00
  -138.48  -138.48  -138.48  -138.48  -138.48  -138.48 -1000.00 -1000.00 -1000.00
  -143.48  -143.48  -143.48  -143.48  -143.48  -144.07 -1000.00 -1000.00 -1000.00
  -143.98  -143.98  -143.98  -143.98  -143.98 -1000.00 -1000.00 -1000.00 -1000.00
  -144.98  -144.98  -144.98  -144.98  -144.98 -1000.00 -1000.00 -1000.00 -1000.00
  -146.48  -146.48  -146.48  -146.48  -146.48 -1000.00 -1000.00 -1000.00 -1000.00
  -147.48  -147.48  -147.48  -147.48  -147.48 -1000.00 -1000.00 -1000.00 -1000.00
  -149.98  -149.98  -149.98  -149.98  -149.98 -1000.00 -1000.00 -1000.00 -1000.00
  -150.98  -150.98  -150.98  -150.98  -150.98 -1000.00 -1000.00 -1000.00 -1000.00
  -151.98  -151.98  -151.98  -151.98  -151.98 -1000.00 -1000.00 -1000.00 -1000.00
  -152.48  -152.48  -152.48  -152.48  -152.48 -1000.00 -1000.00 -1000.00 -1000.00
  -153.98  -153.98  -153.98  -153.98  -153.98 -1000.00 -1000.00 -1000.00 -1000.00
  -154.48  -154.48  -154.48  -154.48  -154.48 -1000.00 -1000.00 -1000.00 -1000.00
  -153.98  -153.98  -153.98  -153.98  -153.98 -1000.00 -1000.00 -1000.00 -1000.00
  -152.48  -152.48  -152.48  -152.48  -152.48 -1000.00 -1000.00 -1000.00 -1000.00
  -151.98  -151.98  -151.98  -151.98  -151.98 -1000.00 -1000.00 -1000.00 -1000.00
  -150.98  -150.98  -150.98  -150.98  -150.98 -1000.00 -1000.00 -1000.00 -1000.00
  -149.98  -149.98  -149.98  -149.98  -149.98 -1000.00 -1000.00 -1000.00 -1000.00
  -147.48  -147.48  -147.48  -147.48  -147.48 -1000.00 -1000.00 -1000.00 -1000.00
  -146.48  -146.48  -146.48  -146.48  -146.48 -1000.00 -1000.00 -1000.00 -1000.00
  -144.98  -144.98  -144.98  -144.98  -144.98 -1000.00 -1000.00 -1000.00 -1000.00
  -143.98  -143.98  -143.98  -143.98  -143.98 -1000.00 -1000.00 -1000.00 -1000.00
  -143.48  -143.48  -143.48  -143.48  -143.48 -1000.00 -1000.00 -1000.00 -1000.00
  -138.48  -138.48  -138.48  -138.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
  -132.98  -132.98  -132.98  -132.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
  -130.98  -130.98  -130.98  -133.10 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 1 to 2

-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-132.98	-132.98	-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-143.48	-144.18	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-143.48	-1000.00	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-133.37	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 2 to 5

-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00

-132.98	-132.98	-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-143.48	-144.53	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-143.48	-1000.00	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-134.21	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 5 to 10

-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-132.98	-132.98	-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-143.48	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00

-146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00 -1000.00
-144.98 -144.98 -144.98 -144.98 -144.98 -1000.00 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00 -1000.00
-143.48 -143.48 -143.48 -143.48 -147.12 -1000.00 -1000.00 -1000.00 -1000.00
-138.48 -138.48 -138.48 -138.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-132.98 -132.98 -132.98 -132.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -140.57 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -131.42 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 10 to 20
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-132.98 -132.98 -132.98 -132.98 -132.98 -132.98 -1000.00 -1000.00 -1000.00
-138.48 -138.48 -138.48 -138.48 -138.48 -138.48 -1000.00 -1000.00 -1000.00
-143.48 -143.48 -143.48 -143.48 -143.48 -1000.00 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00 -1000.00
-144.98 -144.98 -144.98 -144.98 -144.98 -1000.00 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00 -1000.00
-152.48 -152.48 -152.48 -152.48 -152.48 -1000.00 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00 -1000.00
-154.48 -154.48 -154.48 -154.48 -154.48 -1000.00 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00 -1000.00
-152.48 -152.48 -152.48 -152.48 -152.48 -1000.00 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00 -1000.00
-144.98 -144.98 -144.98 -144.98 -144.98 -1000.00 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-143.48 -143.48 -143.48 -143.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-138.48 -138.48 -138.48 -138.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-132.98 -132.98 -132.98 -132.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 20 to 30
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00

-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-132.98	-132.98	-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-143.48	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-154.48	-154.48	-154.48	-154.48	-154.48	-1000.00	-1000.00	-1000.00	-1000.00
-153.98	-153.98	-153.98	-153.98	-153.98	-1000.00	-1000.00	-1000.00	-1000.00
-152.48	-152.48	-152.48	-152.48	-152.48	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-131.69	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-130.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

PFD mask array for latitude 30 to 40

-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00
-130.98	-130.98	-130.98	-130.98	-130.98	-1000.00	-1000.00	-1000.00	-1000.00
-132.98	-132.98	-132.98	-132.98	-132.98	-1000.00	-1000.00	-1000.00	-1000.00
-138.48	-138.48	-138.48	-138.48	-138.48	-1000.00	-1000.00	-1000.00	-1000.00
-143.48	-143.48	-143.48	-143.48	-143.48	-1000.00	-1000.00	-1000.00	-1000.00
-143.98	-143.98	-143.98	-143.98	-143.98	-1000.00	-1000.00	-1000.00	-1000.00
-144.98	-144.98	-144.98	-144.98	-144.98	-1000.00	-1000.00	-1000.00	-1000.00
-146.48	-146.48	-146.48	-146.48	-146.48	-1000.00	-1000.00	-1000.00	-1000.00
-147.48	-147.48	-147.48	-147.48	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-149.98	-149.98	-149.98	-149.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-150.98	-150.98	-150.98	-150.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00
-151.98	-151.98	-151.98	-151.98	-1000.00	-1000.00	-1000.00	-1000.00	-1000.00

-152.48 -152.48 -152.48 -152.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-154.48 -154.48 -154.48 -154.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-152.48 -152.48 -152.48 -152.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -147.48 -147.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-144.98 -144.98 -144.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-143.48 -143.48 -143.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-138.48 -138.48 -138.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-132.98 -132.98 -132.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-133.10 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 40 to 70
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
-130.98 -130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00
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-130.98 -130.98 -130.98 -130.98 -130.98 -1000.00 -1000.00 -1000.00 -1000.00
-132.98 -132.98 -132.98 -132.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-138.48 -138.48 -138.48 -138.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-143.48 -143.48 -143.48 -143.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-143.98 -143.98 -143.98 -143.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-144.98 -144.98 -144.98 -144.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -146.48 -146.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -147.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -149.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -150.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -151.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-152.48 -152.48 -152.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-154.48 -154.48 -154.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-153.98 -153.98 -153.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-152.48 -152.48 -152.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-151.98 -151.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-150.98 -150.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-149.98 -149.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-147.48 -147.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-146.48 -146.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-144.98 -144.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-143.98 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-143.48 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00

PFD mask array for latitude 70 to 90
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
-1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00 -1000.00
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