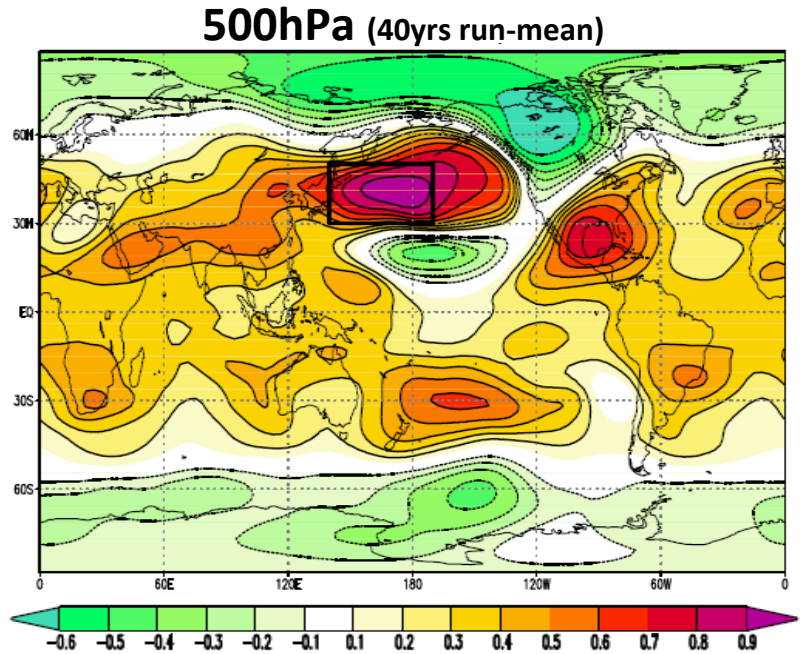
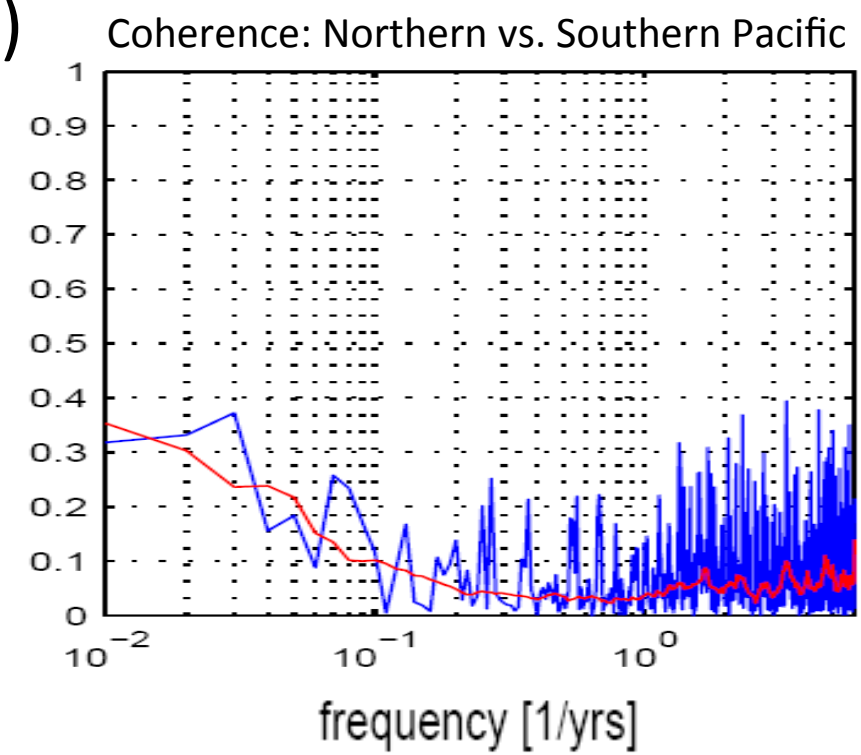
a)


500hPa (40yrs run-mean)
60N
30N
EQ
30S
60S
0
60E
120E
180
120W
60W
0
-0.6 -0.5 -0.4 -0.3 -0.2 -0.1 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9

b)


Coherence: Northern vs. Southern Pacific
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
10^{-2}
10^{-1}
10^{0}
frequency [1/yrs]