

Figure 1 is a scatter plot showing the distribution of 1000 random vectors in a two-dimensional space defined by PC 1 (horizontal axis) and PC 2 (vertical axis). The axes range from -4 to 4. The plot is divided into four quadrants by two diagonal lines: 'Poleward Shift' (top-left), 'Equatorward Shift' (bottom-left), 'Jet Retraction' (top-right), and 'Jet Extension' (bottom-right). The data points form a complex, S-shaped curve. A red diamond is at the top of the curve, and a green diamond is at the bottom. The axes range from -4 to 4.

