

GLOBAL ATMOSPHERIC CIRCULATION CHART

Reference ID: ATMOS-2024-GLOBAL Projection: Cylindrical Equidistant Scale: 1:50,000,000

[High-Resolution Vector Wind Field Map Overlay]

Arrows indicate Prevailing Trade Winds, Westerlies, and Polar Easterlies

Latitudinal Zone	Pressure Belt	Dominant Airflow Direction
90N - 60N	Polar High	Polar Easterlies (NE)
60N - 30N	Subpolar Low	Prevailing Westerlies (SW)
30N - 0	Subtropical High	Northeast Trade Winds
0 - 30S	Equatorial Low (ITCZ)	Southeast Trade Winds
30S - 60S	Subtropical High	Prevailing Westerlies (NW)
60S - 90S	Subpolar Low	Polar Easterlies (SE)

Hadley Cell: Tropical circulation

Ferrel Cell: Mid-latitude circulation

Polar Cell: High-latitude circulation

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