(a) Moisture Mode 10S-10N
(b) Moisture Mode 10N-20N
(c) Moisture Mode 20S-10S
(d) Mixed System 10S-10N
(e) Mixed System 10N-20N
(f) Mixed System 20S-10S
(g) IG Wave 10S-10N
(h) IG Wave 10N-20N
(i) IG Wave 20S-10S
(j) Tropical Cyclone 10S-10N
(k) Tropical Cyclone 10N-20N
(l) Tropical Cyclone 20S-10S

Relative Latitude [deg]
Relative Longitude [deg]
15
10
5
0
−5
−10
−15

−1.00 −0.75 −0.50 −0.25 0.00 0.25 0.50 0.75 1.00
Anomaly of $\nabla_h^2\Phi$ - fζ + βu - 2$\vec{k}$ · (∇_hu × ∇_hv) at 850 hPa [s**-2] $^{1e-10}$