Dynamo Intraseasonal State Summary
See commentary on pages 2 and 4.

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Suppressed convection in the MJO band of the wave number frequency domain is presently centered over the central and eastern Indian basin, with the earliest signs of development of the next active event beginning to appear over the far western equatorial Indian basin. Although the signal is not totally clear to me from unfiltered OLR anomalies, the OLR projections continue to suggest a convectively coupled Kelvin wave signal presently growing over the central Indian basin potentially in association with forcing from the extratropics and from propagation from the Atlantic, where the waves are forced by equatorward propagation of extratropical waves from both hemispheres (especially from the southern Hemisphere across South America). Satellite imagery over the Indian basin do suggest enhancement of convection relative to the suppressed MJO background state in a pattern consistent with this suggested Kelvin wave signal. Suppressed convection in the equatorial Rossby wave band continues westward across the Arabian Sea and parts of India. The active convective phase of the ER wave signal includes a cyclonic gyre moving westward over the tropics of the north western Pacific basin. This active signal has been interfering constructively with the active convective phase of the MJO over the western Pacific to yield the strongest westerly wind burst over the Pacific in more than a year. However, the equatorial low level easterly phase of that wave has just crossed the dateline and will continue to erode that zone of westerly winds over the next several days.

The new active phase of the MJO continues to be projected to begin in earnest over the western Indian basin following about November 20.
Indian Ocean Dipole

OLR anomalies associated with the IOD are of moderate intensity. Active convection in the MJO band is now centered east of the longitudes of the dynamo array.

Suppressed convection in the MJO band is now over the Dynamo array and points east over the Indian basin. A suppressed convective signal in the equatorial Rossby wave band has been extending this region of suppression over India and the Arabian Sea. A convectively coupled Kelvin wave is now apparently enhancing convection over the Central Indian basin. Further Kelvin wave activity is initiating over the Atlantic in response to equatorward propagating waves over South America and the South Atlantic. A well defined equatorial Rossby wave signal is present over the Pacific basin, with the low level equatorial easterly phase now beginning to cross the dateline.

MJO active convection now diminishing over the western and central Pacific basin, with some signal now present over the western hemisphere.