c) SST and surface vector wind
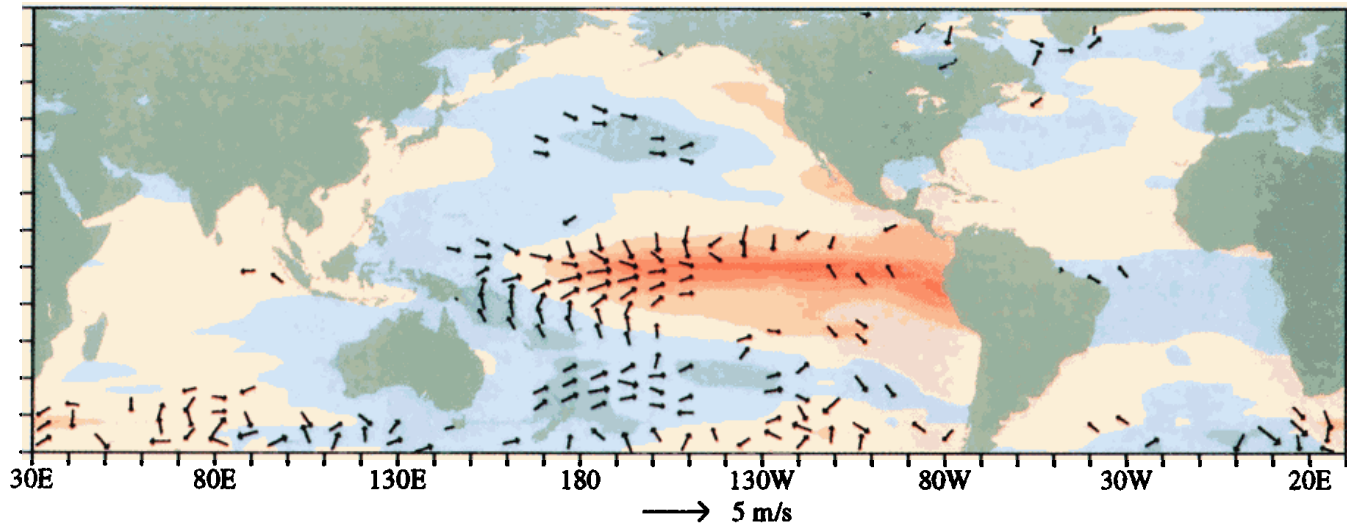
30E   80E   130E   180   130W   80W   30W   20E

→ 5 m/s

Plate 7. Selected fields regressed upon monthly values of the cold tongue index time series shown in Plate 1 for the period of record January 1985 through December 1993. All regression coefficients are per standard deviation of the cold tongue index. (a) Tropospheric layer mean temperature as deduced from channel 2 of the MSU (contour interval 0.1°C; negative contours are dashed) superimposed upon MSU rainfall (anomalies < -1 and -3 cm month[-1] are shaded blue and > 1, 3, 5, and 7 cm month[-1] are shaded red, with more saturated colors for larger magnitude anomalies). (b) SLP (contour interval 0.25 mbar, negative contours are dashed) superimposed upon rainfall as in plate (a). (c) Surface wind vectors superimposed upon SST. Only vectors > 0.5 m s^{-1} in magnitude are plotted; the SST anomaly shading interval is 0.25°C, with negative and positive anomalies shaded in blue and red, respectively. The SLP, surface vector wind, and SST were all obtained from COADS. MSU rainfall source as in Plate 3 and channel 2 temperature estimates are from *Spencer and Christy* [1990, 1992, 1993].