



The synchronization phenomena in the actual and forecasted H500 fields

D. M. Sonechkin

P.P. Shirshov Oceanology Institute, RAS, Moscow, Russia (dsonech@mecom.ru)

Using spectral expansions of the actual and forecasted H500-fields of the Northern Hemisphere synchronization phenomena are considered in the planetary wave propagation as well as in the temporal variations of zonal modes and amplitudes of the above waves. It seems there exists a deterioration of these synchronizations in the forecasted H500-fields as compared with the respective synchronizations in the actual H500-fields. Consequences of this deterioration for the present-day predictability limit position (near one week) are discussed.