



The Madden Julian Oscillation (MJO) index is currently in Phase 3 with amplitude less than 1. It is likely to move to phase 8 across phases 2 & 1 retaining the amplitude less than 1, during later part of week 1. Thereafter it will move to phase 7 with amplitude remaining less than 1 during week 2.

Most of the numerical models including IMD GFS, GEFS, ECMWF, NCEP GFS, NEPS, and CGEPS (MME), NCUM & NEPS are not indicating any cyclogenesis during the forecast period. The Genesis Potential Parameter (GPP) based on IMD GFS is not indicating any potential zone for cyclogenesis over the north Indian Ocean during the forecast period.

Considering all the above, it may be concluded that no cyclogenesis is predicted over the north Indian Ocean during next two weeks.

Verification of forecast issued during last two weeks:

The forecast issued on 31st December for week 2 as well as the forecast issued on 07th January for week 1, for the period (08.01.2021-14.01.2021) indicated no cyclogenesis over the north Indian Ocean during the period. No cyclogenesis occurred during the period. Hence no cyclogenesis could be predicted correctly 2 weeks in advance.

Next update: 21.01.2021