Kode Bibit
C0001

Tanggal
Fri Nov 20 2020 11:35:16 GMT+0700 (Indochina Time)

Longitude
164°45.25 E

latitude
70°30.5 S

Suspect Area Identification								
I. Does an identifiable circulation already exist at any level in the low or middle levels?	☐	☐	☐	☐	☐	☐	☐	☐
II. Is there currently a deep convective disturbance which has persisted for at least 12 hours?	☑	☑	☑	☑	☑	☑	☑	☑
III. Does NWP indicate the development of any persistent low/mid-level circulation during the next 72 hours?	☐	☐	☐	☐	☐	☐	☐	☐
Location of suspect area	Jakarta	Jakarta	Jakarta	Jakarta	Jakarta	Jakarta	Jakarta	Jakarta
Broadscale Environmental Conditions - Current								
A. Is the MJO active in our longitude?	☐	☐	☐	☐	☐	☐	☐	☐
B. Are there any tropical waves currently propagating towards the suspect area?	☑	☑	☑	☑	☑	☑	☑	☑
C. Are there any strong low-level monsoon/trade flows or surges feeding into the suspect area now?	☐	☐	☐	☐	☐	☐	☐	☐
D. Is there a low/mid-level trough in the suspect area now?	☐	☐	☐	☐	☐	☐	☐	☐
E. Are the winds at 200/250 hPa over suspect the area <20 knots?	☐	☐	☐	☐	☐	☐	☐	☐
F. Is there low (5-15 kt) 850-200 hPa vertical shear near the area and stronger (>15 kt) shear away (5-10°) from the suspect area?	☐	☐	☐	☐	☐	☐	☐	☐
G. Is there a synoptic feature creating strong upper divergence above the suspect area? For example, an upper trough or retrogressing upper low within 25 degrees to the west, or a strong equatorial jet, with the ridge centre over the area.	☑	☑	☑	☑	☑	☑	☑	☑
H. Is there evidence on satellite imagery or upper streamline charts of at least one outflow channel?	☐	☐	☐	☐	☐	☐	☐	☐
I. Is there evidence of two outflow channels or fanning of cirrus (equatorward and eastward of CDO)? If so consider rapid development potential.	☐	☐	☐	☐	☐	☐	☐	☐
J. Is the suspect area being fed by deep moist air in all sectors?	☐	☐	☐	☐	☐	☐	☐	☐
Broadscale Environmental Conditions - 72 Hour Trend								
K. Are any tropical waves likely to move into the area within 72 hours?	☐	☐	☐	☐	☐	☐	☐	☐
L. Are there any monsoon or trade surges likely to feed into the area during the next 72 hours?	☐	☐	☐	☐	☐	☐	☐	☐
M. Will the 850-200 hPa shear conditions remain favourable / improve during the next 72 hours?	☑	☑	☑	☑	☑	☑	☑	☑
N. Will the upper divergence remain/become favourable for cyclogenesis during the next 72 hours?	☐	☐	☐	☐	☐	☐	☐	☐
O. Is deep moisture infeed into the area likely to remain / improve during the next 72 hours?	☐	☐	☐	☐	☐	☐	☐	☐
P. Do NWP cyclogenesis parameters support further development in the area during the 72 hours period?	☑	☑	☑	☑	☑	☑	☑	☑
Development of Circulation								

1. Does a vertically stacked circulation currently exist from surface to 500 hPa?	☐	☐	☐	☐	☐	☐	☐	☐
2. Is there a low/mid-level circulation centre defined by cloud line or band curvature, or by cloud line mergence within an area of 2.5° latitude or less? (This is best seen on vis imagery.)	☐	☐	☐	☐	☐	☐	☐	☐
3. Are there (disturbance-relative) wind speed observations of the order 15-25 kts (850 hPa) within 5° of the circulation centre?	☑	☑	☑	☑	☑	☑	☑	☑
4. Is there evidence of a significant (15-25 kt) middle-level circulation (850-500 hPa) present? (Vertically stacked and round.)	☐	☐	☐	☐	☐	☐	☐	☐
5. Have there been pressure falls of greater than 2 hPa per day within 3° of the system centre?	☐	☐	☐	☐	☐	☐	☐	☐
Development of Deep Convection								
6. Has there been an Early Convective Maximum (ECM) within the last 3 days? - i.e. was there deep convection (-65°C or colder/Dvorak black) focused in one area (within about a 2° radius) and persisting for 6-12 hours possibly against the diurnal cycle?	☐	☐	☐	☐	☐	☐	☐	☐
7. Has there been a reduction in the area of deep convection after the occurrence of the ECM? (This quiet period may continue 1-3 days.)	☐	☐	☐	☐	☐	☐	☐	☐
8. Is there currently persistent deep convection (at least 12 hours old) which is within 2° of a low level cloud system centre?	☐	☐	☐	☐	☐	☐	☐	☐
Movement on water								
9. The disturbance remain over water or move over water	☐	☐	☐	☐	☐	☐	☐	☐
10. The disturbance will not remain over water or not move over water	☑	☑	☑	☑	☑	☑	☑	☑

Checklist Result	Suggested Action
ticks for 6 and 7, the broadscale environment is favourable for further development (many ticks for A-P) and the disturbance could remain or move over water (tick 9)	Zehr's Stage 1: TC development possible within 1-3 days - consider High-Key Standby (note: but The disturbance will not remain over water or not move over water)