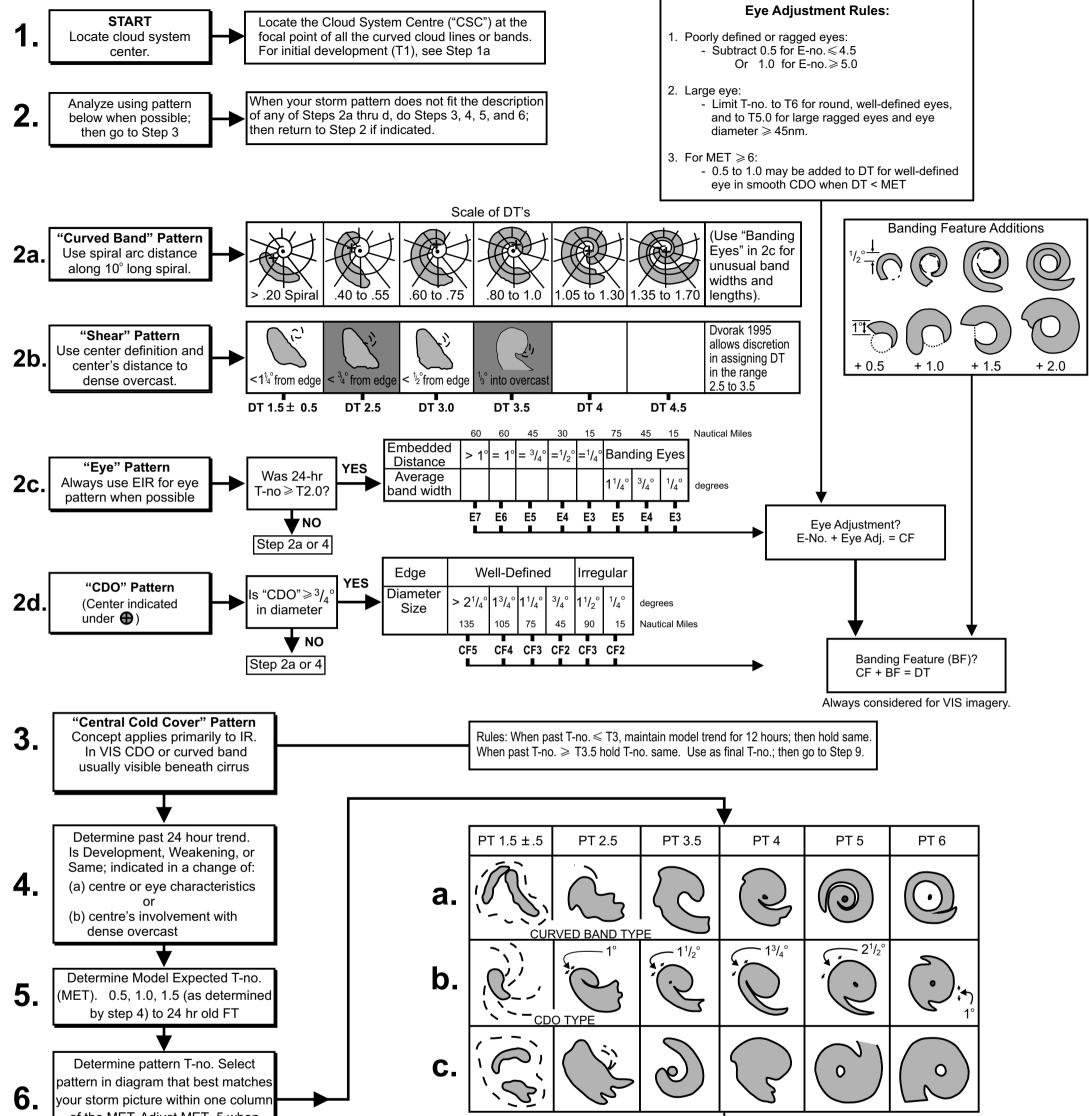
Dvorak Visual (VIS) Analysis Diagram



of the MET. Adjust MET .5 when indicated.

When cloud comma is extremely small (< 2 ¹/₂ °lat), subtract 1 from pattern number.

T-no Determination:

1. Use data T-no. from Step 2 when cloud features are clear-cut.

7.

- 2. Use Pattern T-no. when DT is not clear and adjustment to MET is made.
- 3. For all other cases, use the MET.

8.

Final T-no Constraints:

- 1. Initial classification must be T1.0 or T1.5.
- 2. During the first 48 hours of development, T-no. cannot be lowered at night.
- 3. 24 hrs after initial T1.0, storm's T-no, must be ≤ T2.5
- 4. Final T-no. limits:
 <T4.0: change of 0.5 over 6 hrs,
 >T4.0: change of 1.0 over 6 hrs
 change of 1.5 over 12 hrs
 - change of 2.5* over 18 hrs
 - change of 3.0* over 24 hrs.
- 5. Final T-no. must = MET ±1 * Ref: Sangster&Landsea, 2020

Current Intensity (CI) Number Rules: 1. Use CI = Final T-no.(FT) except when Final T-no. shows change to weakening trend, or when

2. For initial weakening, hold Cl same for 6* hours, then hold Cl 0.5 or 1.0 higher than Final T-no, as storm weakens until the FT has plateaued for >6h.

redevelopment is indicated.

* ref Brown and Franklin (2004) paper

9.



Extrapolate past trend unless one of the five rules in the instructions applies

10.

Source: Dvorak, V.F. 1995 Tropical clouds and cloud systems observed in satellite imagery: Tropical cyclones. Workbook Vol. 2. Modified by Tropical Cyclone Warning Centre, Bureau of Meteorology, tcwc@bom.gov.au. Date: 10 July 2020.