**Evaluation of Mesocyclone Detection Program**

**Term Definition**

1. True Positive: Program detected a mesocyclone signature and it was truly a mesocyclone signature.
2. False Positive: The mesocyclone signature that detected by the program is not actual mesocyclone signature.
3. False Negative: Actual mesocyclone signatures that are missed by the program.
4. True Negative: Program correctly ignore radar echo signatures that is not actual mesocyclone signatures

**Metrics Calculation**

Focus on two main metrics: Precision and Recall

Precision indicates that how trustworthy program detection are.

Recall indicates how sensitive program detect true mesocyclone signatures