

ANALYSE, DIAGNOSE AND MONITOR THE WEATHER SITUATION

ANALYSING AND DIAGNOSING THE CURRENT WEATHER SITUATION:-

This is the first and continuous step in your observation and clearly shows that you are noting changes to one or more phenomena changes (sometimes subtle) to what is happening outside – this is an important aspect of observations as major changes could result in the issuance of a SPECI.

Changes in whatever is noted outside is also vital for forecasters to issue amendments to the TAF/s that they have issued.

1. Look at changes to cloud height/amount, any significant c present weather and related reductions in horizontal visibility.
2. Changes from one observation to another (focussing on the above discussion)
3. Refer to current METAR and SYNOP messages that are in proximity to your station
What is the real time data telling you about stations or areas of interest? (Has the cold front gone through? Is it raining? What is the temperature? Pressure changes?)
4. What is currently being seen on the satellite image
5. Referring to the latest synoptic map, what is the dominating weather system/s over your area and what is approaching your area.
Discuss main features, positions of systems, cloud types, any severe weather, Also mention any bad data.
6. Refer to any upper air data that is currently available.
7. What is currently being seen on the radar

MONITOR THE CURRENT WEATHER SITUATION

This is jus the continuation of what has been done during the analysing and diagnosing phase – this will continue right through to the end of ones shift.