Instruction Worksheet Case study: Understanding the environment
1. Getting started: systems and briefing
1.2 Open a web browser:
1.3 Identify a circulation (current TC or potential TC) in the Pacific: Name and general region:
2. Analysis of broadscale circulation
2.1 Low levels View the appropriate information to gain an understanding of the broadscale environment.
Q. Describe the low level environment. Streamline charts, scatterometry, What are the main synoptic features that might influence the cyclone/potential cyclone? How do models compare with the analyses? What are the most useful web sites?
 2.2 mid-upper levels View the appropriate information to gain an understanding of the broadscale environment. Q. Describe the mid-upper level environment. Imagery, charts (winds, shear, RH), model What are the main synoptic features that might influence the cyclone/potential cyclone? What are the most useful web sites?
 2.3 Ocean View the appropriate information to gain an understanding of the broadscale environment. Q. Describe the ocean temperatures and how this might affect the cyclone.
What are the most useful web sites?

3. Potential for development

3.1 Subjective

Q. Based on the current patterns, overall how would you describe the general environment of the cyclone in the next 24 hours? Will it develop/stay the same/weaken? At what rate – quickly, slowly? What are the most important factors affecting your decision?	ent
The same and the s	
3.2 Model and official view	
Q. How does your evaluation compare with the official forecasts and from NWP?	
OPTIONAL EXTRA for ADVANCED USERS 3.3 Changes to the environment.	
Q. How are the broadscale influences expected to change in the next 72h? Use models, official track, policy descriptions.	
	
4. Learnings	
What have you learned from this exercise?	