

Case history directory

Case number	Case description	Creation date (UTC)	Observations deployed?
001	Upper trough edging east from Spain over runs very moist, warm low-level air leading to cyclogenesis between Spain and the Balearics and heavy rainfall. Possible small very intense convectively driven low.	2003101309	No
002	Breakdown of the anticyclonic block with extending trough picking up warm low level air mid Atlantic, forming a cut off low over the Bay of Biscay.	2003101409	Yes
003	A vigorous low is expected to develop near Newfoundland, the UKMO GM developing/deepening the low 12-24 hrs quicker than ECMWF . Secondary wave development SW of Newfoundland by midnight 21 st .	2003101609	No
004	Upper trough or high PV anomaly extending southwest from Scandinavia across The North Sea and north of UK, interacting with milder Atlantic air from Biscay to form low over English Channel area.	2003101909	No
005	Major trough exiting Canada on Saturday 25th picks up frontal system with rapid cyclogenesis near Denmark Strait. Possible injection of tropical air from remains of tropical storm Nicholas. Doubt over subsequent depth and track of low with potential for very strong winds over northwest Europe due to secondary features.	2003102209	Yes
006	Explosive cyclogenesis over the northeast of the US as warm air or possible weak tropical disturbance moving north from the Gulf of Mexico interacts with a mid-latitude trough.	2003102209	No
007	Upper trough swings southeast from Denmark strait over northwest Europe. Potential for several developments, baroclinic	2003102609	Yes

	<p>cyclogenesis on the forward side of the trough, cold air low in the base of the trough or lee cyclogenesis over the Mediterranean. Difficult to pick a surface feature to verify so instead we aim at the upper trough itself. Surface low over northwest France became verification feature by Monday 27th conference</p>		
008		2003102809	