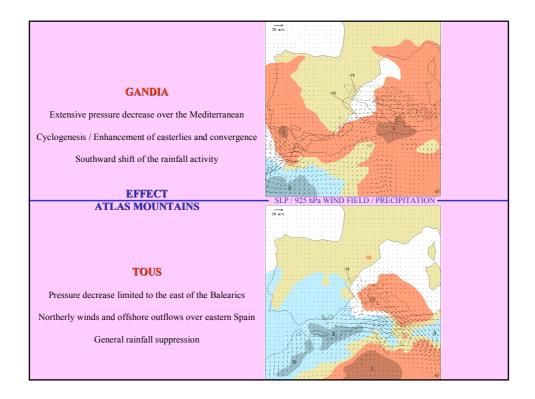
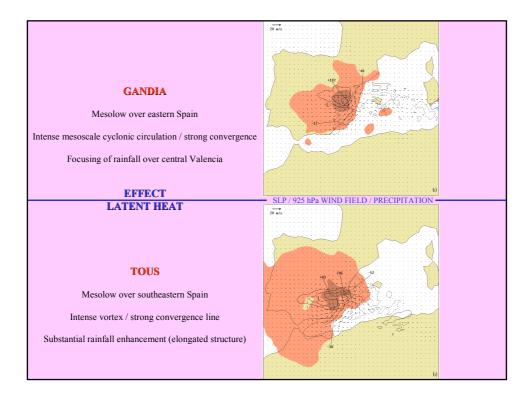
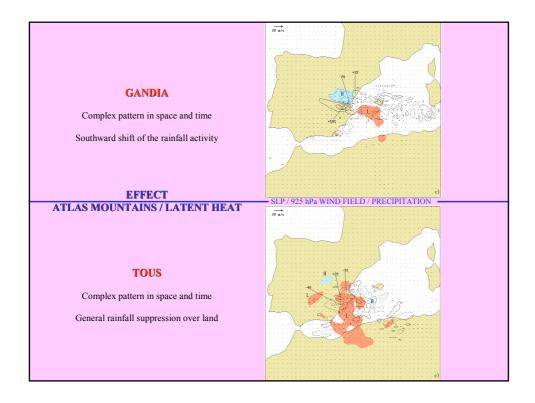
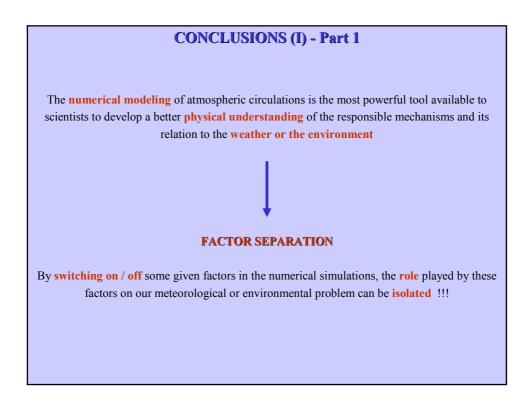


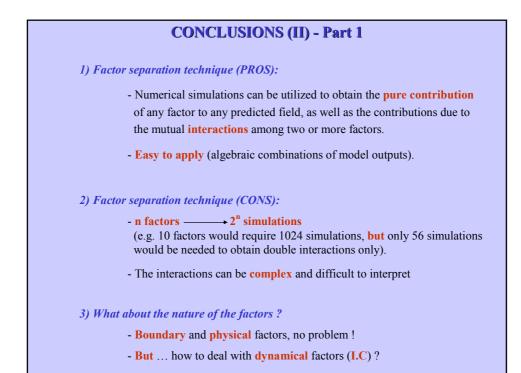
ExperimentAtlas orographyLatent heat exchaF0nonoF1yesnoF2noyes	Method of Stein and Alpert (1993) n factors → 2 <sup>n</sup> simulations						
F1 yes no	Experiment	Atlas orography	Latent heat exchan				
,	Fo	no	no				
F2 no yes	F1	yes	no				
		no	yes				
F12 yes yes	F12	yes	yes				

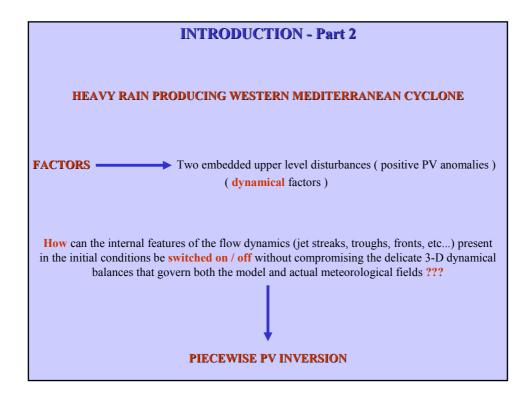


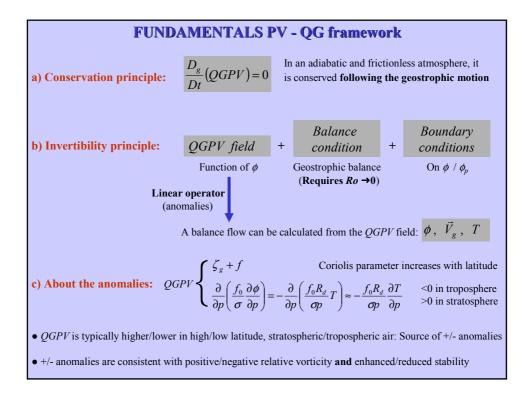


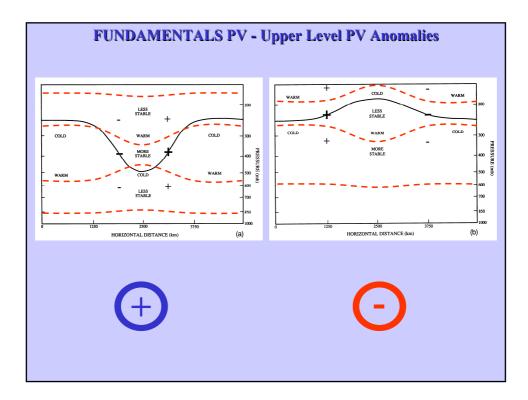


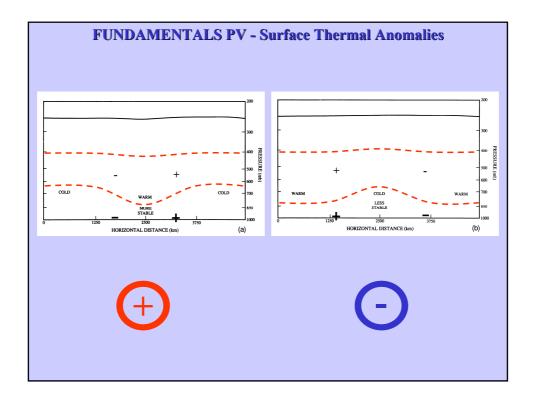


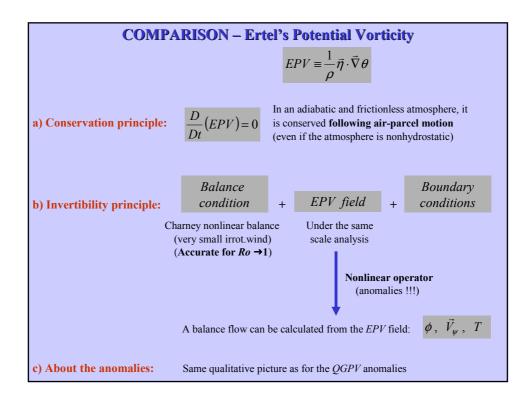


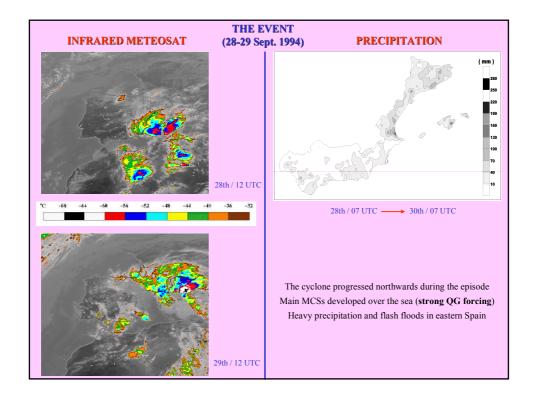


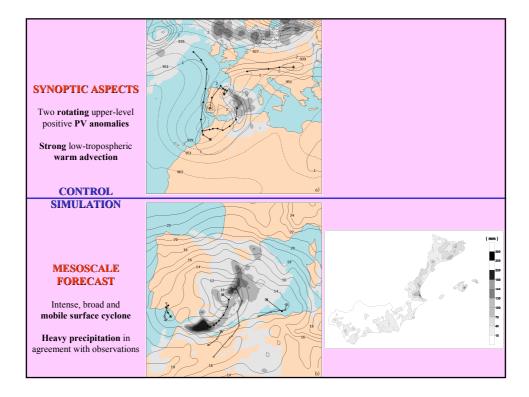


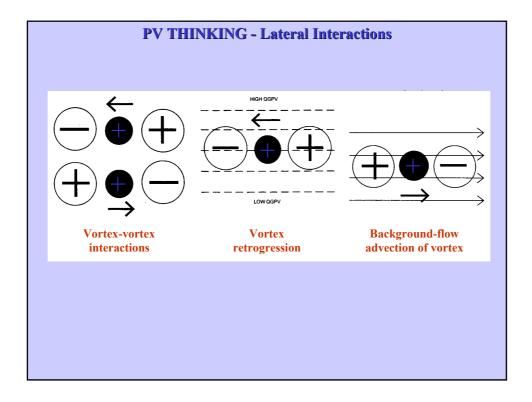


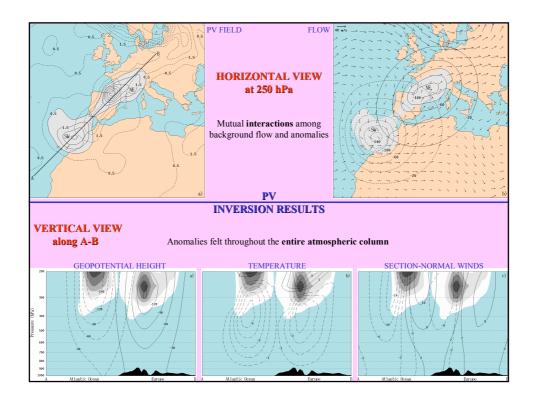












SENSITIVITY EXPERIMENTS									
By adding and/or subtracting the PV-inverted balanced fields (geopotential, temperature and wind) into the model initial conditions									
Sensitivity to the intensity (One or both PV anomalies removed or doubled)				<b>Sensitivity to the position</b> (One or both PV anomalies shifted 425 km along A-B)					
Experiment	SW anomaly	NE anomaly		Experiment	SW anomaly	NE anomaly			
$S_0^0$	Removed	Removed		$S_{-}^{\pm}$	Moved inwards	Moved inwards			
$S_{2}^{2}$	Doubled	Doubled		$S_{+}^{+}$	Moved outwards	Moved outwards			
$S_1^0$	Unchanged	Removed		$S_{=}^{-}$	Unchanged	Moved inwards			
$S_{2}^{0}$	Doubled	Removed		$S_{+}^{-}$	Moved outwards	Moved inwards			
$S_{0}^{1}$	Removed	Unchanged		$S_{-}^{=}$	Moved inwards	Unchanged			
$S_{0}^{2}$	Removed	Doubled		$S^+$	Moved inwards	Moved outwards			
$S_2^1$	Doubled	Unchanged		$S_{+}^{=}$	Moved outwards	Unchanged			
S <sub>1</sub> <sup>2</sup>	Unchanged	Doubled		S=	Unchanged	Moved outwards			

