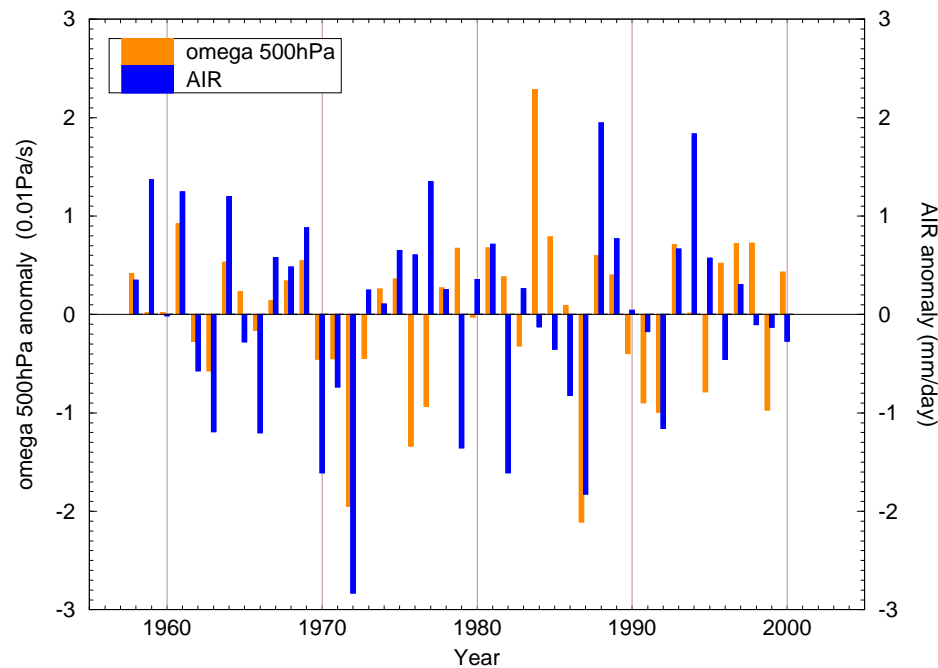


# European Flooding during Summer 2002

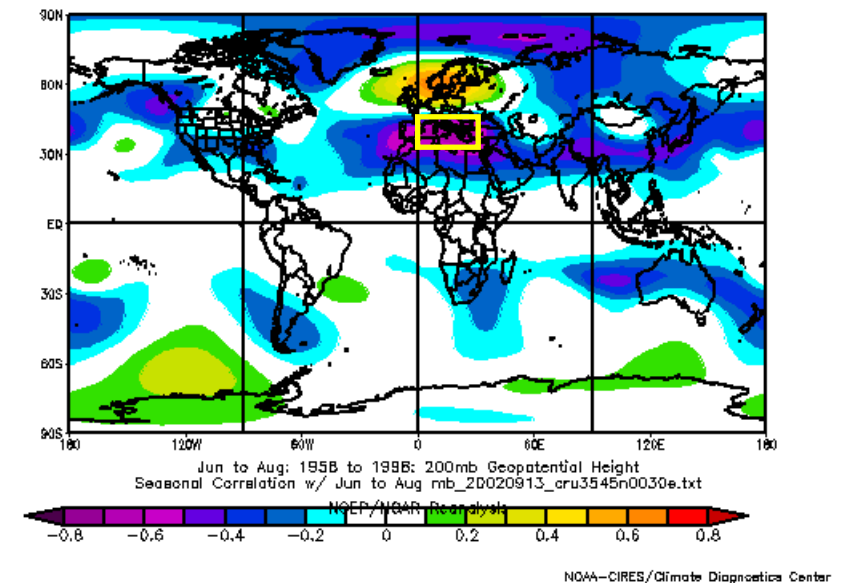
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Southern European July descent  
and  
Indian monsoon rainfall



Correlation between southern European rainfall  
and  
200hPa Geopotential Height (JJA)



- Rodwell & Hoskins (1996): Monsoons and the dynamics of deserts
- Southern Europe descent averaged 35:45N 0:30E
- Correlation coefficient 0.39 for July or JJA data, 1958-2000
- Improved correlation by crudely including a Pacific SST index

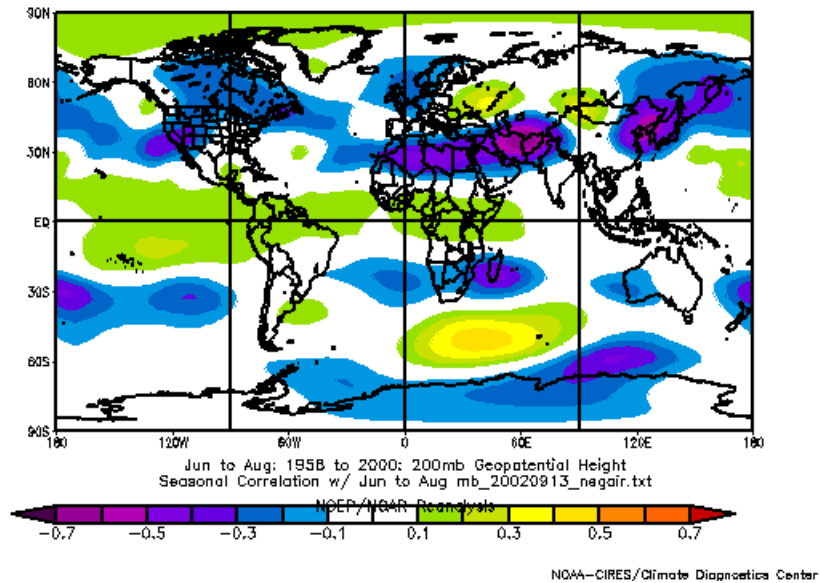
- CRU monthly precipitation, 35:45N 0:30E
- Blocking signature

# Indian Monsoon drought Summer 2002

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Correlation between (negative) All India rainfall  
and  
200hPa Geopotential Height (JJA)



Correlation between Niño 3.4 SST  
and  
200hPa Geopotential Height (JJA)

