

## **Comments problem 8**

**Because the nodes order changes when I compiled Knit file, It was impossible to include my comments in the html file.**

Only stations which had full temporal record were considered, and 3x3 nodes configuration was used. After applying SOM to the yearly the Western US winter seasonal precipitation data, the years per each cluster were identified. Then, the season winter precipitation SST anomalies for each node were computed by averaging the annual data of each node.

### **The season winter precipitation nodes**

Although it is not easy to see differences between nodes, it is possible to mention

- In all the nodes, maximum values of winter seasonal precipitation occurred in the coast of California, Oregon, and Washington.
- Nodes 1, 2, 4, and 7 corresponds to extremes values of precipitation in some locations of the west coast.
- the lowest values or precipitation in the west coast are in the node 9

### **Composite SST anomalies nodes**

- Nodes 5 and 7 have positive ENSO Patterns, and of these nodes (7) coincide with a node of maximum precipitation in the west coast (California).
- Node 1 has a negative ENSO pattern, and it coincides with the other node of maximum precipitation in the west coast (between Northern California and Oregon).
- It is no possible to identify any signature in the other nodes.