

| <i>COSMOS</i> | <i>ISM</i>  | <i>NAM</i>   | <i>EASM</i>  | <i>NEASM</i> | <i>SARAB</i> |
|---------------|-------------|--------------|--------------|--------------|--------------|
| ISM           | 1.00 (1.00) | -            | -            | -            | -            |
| NAM           | 0.83 (0.83) | 1.00 (1.00)  | -            | -            | -            |
| EASM          | 0.19 (0.00) | 0.10 (-0.01) | 1.00 (1.00)  | -            | -            |
| NEASM         | 0.62 (0.57) | 0.67 (0.51)  | 0.14 (0.03)  | 1.00 (1.00)  | -            |
| SARAB         | 0.81 (0.83) | 0.88 (0.88)  | 0.11 (-0.01) | 0.60 (0.51)  | 1.00 (1.00)  |

  

| <i>ECHO-G</i> | <i>ISM</i>    | <i>NAM</i>   | <i>EASM</i> | <i>NEASM</i>  | <i>SARAB</i> |
|---------------|---------------|--------------|-------------|---------------|--------------|
| ISM           | 1.00 (1.00)   | -            | -           | -             | -            |
| NAM           | 0.0 (-0.12)   | 1.00 (1.00)  | -           | -             | -            |
| EASM          | -0.06 (-0.12) | -0.11 (0.02) | 1.00 (1.00) | -             | -            |
| NEASM         | 0.12 (0.09)   | 0.06 (0.00)  | 0.22 (0.26) | 1.00 (1.00)   | -            |
| SARAB         | 0.12 (-0.16)  | 0.01 (0.07)  | 0.27 (0.08) | -0.11 (-0.18) | 1.00 (1.00)  |

  

| <i>PLASIM</i> | <i>ISM</i>    | <i>NAM</i>  | <i>EASM</i>   | <i>NEASM</i> | <i>SARAB</i> |
|---------------|---------------|-------------|---------------|--------------|--------------|
| ISM           | 1.00 (1.00)   | -           | -             | -            | -            |
| NAM           | 0.04 (0.01)   | 1.00 (1.00) | -             | -            | -            |
| EASM          | 0.05 (0.01)   | 0.10 (0.01) | 1.00 (1.00)   | -            | -            |
| NEASM         | 0.10 (0.11)   | 0.08 (0.08) | 0.01 (0.09)   | 1.00 (1.00)  | -            |
| SARAB         | -0.03 (-0.10) | 0.11 (0.10) | -0.07 (-0.01) | 0.10 (-0.08) | 1.00 (1.00)  |

Tab.1: Pearson's correlation coefficient for the 0k - rainfall time series, based on last 150years (1000 years) detrended by 30-year (500-year) running mean for annual (decadal) variability, for different monsoon sub-region, i.e. Indian monsoon region (ISM), North African monsoon region (NAM), East Asian monsoon region (EASM), northern part of the East Asian monsoon region (NEASM), and the region Southern Arabia (SARAB). Only the non-accelerated simulations have been used.