

Pakistan's Monsoon 2013 Rainfall

Climate Data Centre, Pakistan Meteorological Department, Karachi

During the monsoon season 2013 (July, August & September), normal to slightly above normal were rains fell almost all over the Pakistan except Sindh province. Near to normal rainfall were recorded over Azad Kashmir (6 %) Punjab (9 %), slightly above normal over Balochista (11%), Gilgit-Baltistan (12%) & Khyber-Pakhtunkhwa (13%) and slightly below normal over Sindh (-21%).

July 2013

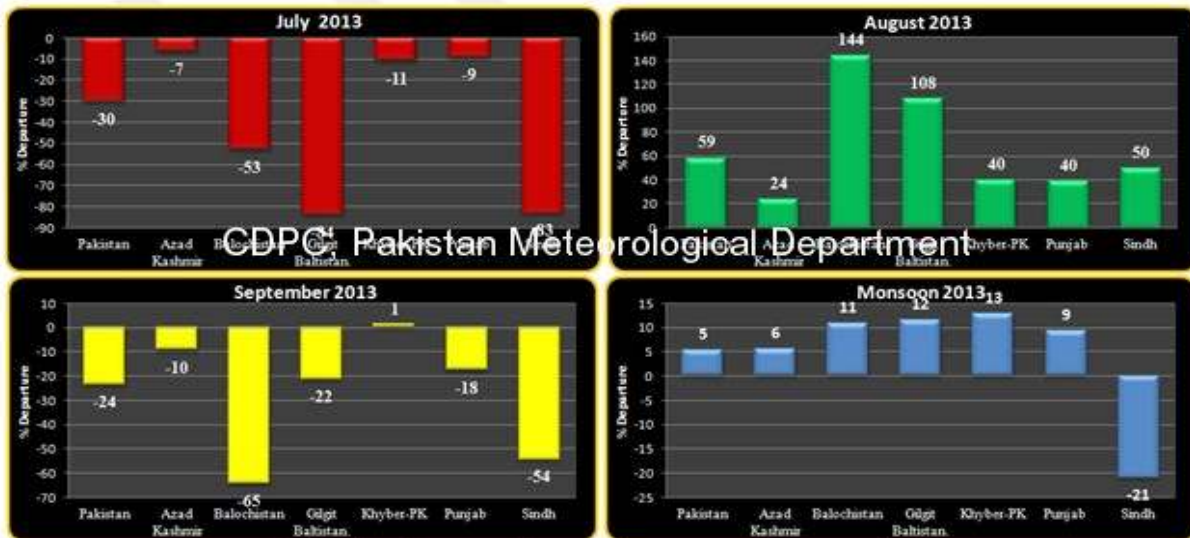
During the month of July, unusually deficient of monthly rainfall was observed almost all over the country, when the monthly rainfall departure was moderately below than normal (-31 %). More or less similar position had been observed during the month rainfall when viewing on regional basis. The monthly rainfall activity was close to normal over Azad Kashmir, Khyber-Pakhtunkhwa and Punjab when the monthly rainfall departure were calculated as -7%, -11 % and -9% respectively. While sever dryness has been observed over the province of Balochistan (-57%), Gilgit-Baltistan and Sindh (both -84 %).

August 2013

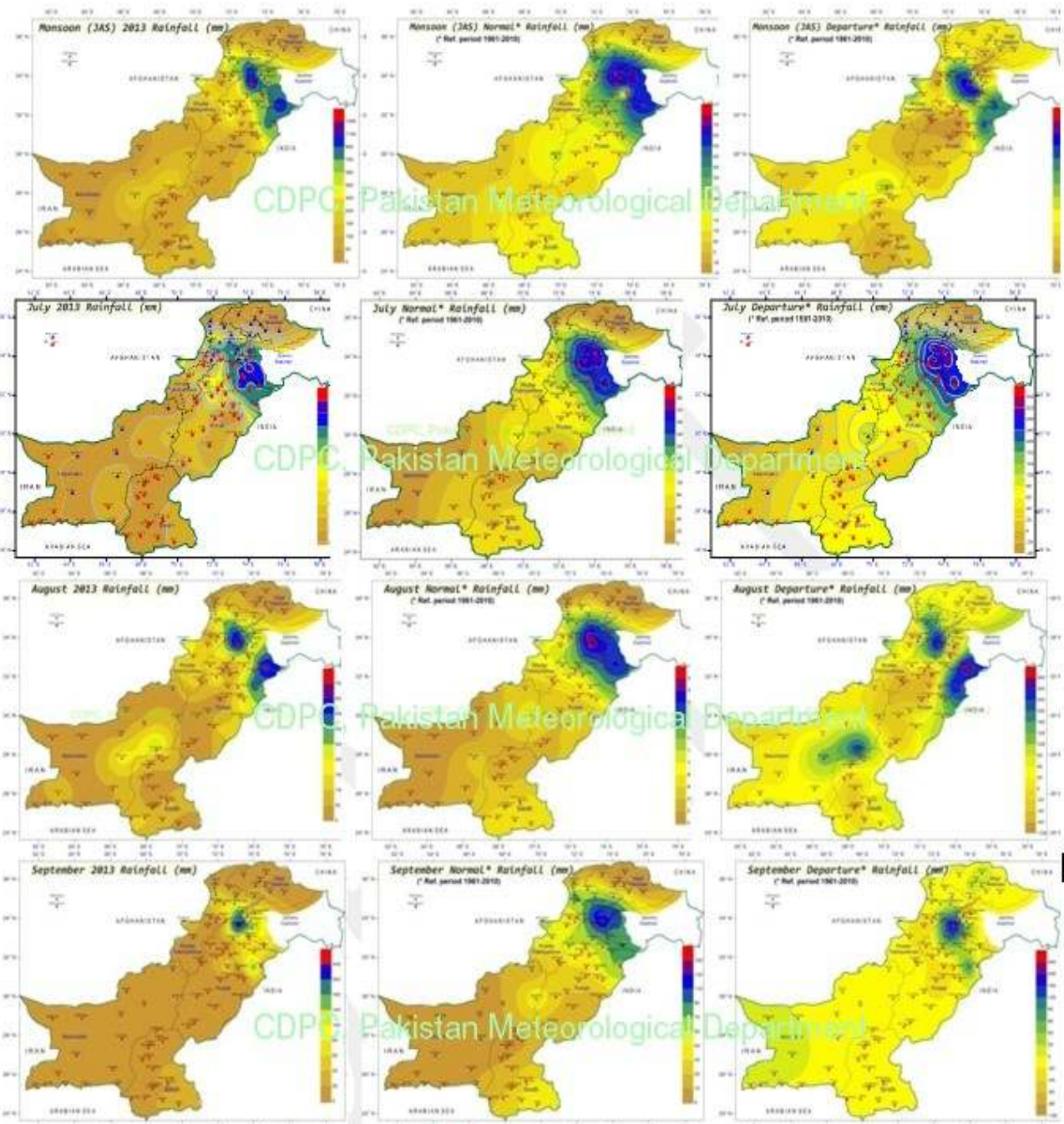
August brought wetter conditions over most parts of the country with very-much-above-average rainfall in the Balochistan and Gilgit-Balastitan area, and large areas of record high falls in Lahore, Sialko and Gujranwala. For the month of August 2013, rainfall for the country as whole was exceptionally on higher than normal (59 %) side and was ranked 9th heaviest monthly rainfall since 1961 The monthly rainfall over Balochistan (144%), Gilgit-Baltistan(108%) and Sindh (50%) was largely above normal, whereas provinces of Khyber-Pakhtunkhwa (40%), Punjab (40%) and Azad Kashmir (24%) had witnessed moderately above normal rainfall.

September 2013

The monsoon activity was significantly lessened in the month of September almost over whole of the country, when monthly rainfall was nearly 24 per cent below normal. During the month, the rainfall was close to normal over Khyber-Pakhtunkhwa and Azad Kashmir with slightly deficit over Punjab & Gilgit-Baltistan and largely below normal over Sindh & Balochistan.



Distribution of seasonal & monthly percentage departure rainfall



Spatial distribution of seasonal & monthly actual, normal and departure rainfall