

Weekly SAHF Forecasters' Forum (FF)#81

Date: 31 August 2023

Discussion Notes

<p>Realized Weather-Country Reports (25-31 Aug. 23)</p>	<ul style="list-style-type: none"> While much of Pakistan experienced hot and humid weather conditions, northern parts of the country observed isolated to scattered rain/thundershowers with heavy rain in some places. Bangladesh, Bhutan and Nepal observed light to moderate rain/thundershowers with isolated heavy rain in some places. Myanmar experienced isolated to fairly widespread rain/thundershowers with regionally heavy rainfall in the south and central regions. Maldives and Sri Lanka mostly experienced isolated to scattered rain/thundershowers with some places in Maldives observing moderate to heavy rain/thundershowers. 	
<p>Significant Weather Features in the region for coming week (01-07 Sept. 23)</p>	<ul style="list-style-type: none"> The Monsoon Trough at mean sea level continues to run along the foothills of the Himalayas and it is likely to shift near its normal position from 03 September. A fresh cyclonic circulation is expected to develop over the Northwest Bay of Bengal and nearby areas by around 04 September. This could lead to the formation of a low-pressure area in the same area within the following 48 hours. Later, it's anticipated to shift in a west-northwest direction towards central India. Consequently, the southwest monsoon is likely to revive under this influence. Westerly waves likely to affect the Himalayan regions. 	
<p>Weather Outlook (01-07 Sept. 23)</p>	<ul style="list-style-type: none"> With isolated to scattered rain/thundershowers over the northern region, much of Pakistan is likely to experience hot and humid weather conditions. Light/moderate scattered to fairly widespread rain/thundershowers with isolated heavy rainfall likely over Bangladesh and Nepal. Light/moderate scattered to fairly widespread rain/thundershowers likely over Myanmar with regionally heavy rainfall in southern and central regions. While light isolated to scattered rain/thundershowers likely over Bhutan, Maldives and Sri Lanka likely to experience light/moderate with isolated heavy rainfall in some places. 	<p>Extended Range Outlook (until 13 September 2023)</p> <ul style="list-style-type: none"> A higher probability of rain (>25mm) is likely over southern, central and northern Myanmar, isolated places over Bhutan, Maldives, Nepal and Sri Lanka towards the week ending of 13 September.
<p>Mid-Season Review of Monsoon 2023</p> <p>Monsoon Onset and Progress</p> <ul style="list-style-type: none"> The cross-equatorial flow across the equator and monsoon flow was weaker before the monsoon season. Delay in 2023 monsoon onset observed over various places in the region. 		

- Kerala and Andaman Islands experienced about a week's delay.
- Analysis of 925 Somali jet winds showed unusual reversals in the East African region during May.
- El Niño conditions contributed to the delayed onset.

Notable Synoptic Systems

- Significant cyclonic systems in 2023-
 - Extremely severe cyclonic storm- “Biporjoy”.
 - Only one monsoon depression formed during the season.

Rainfall Anomalies and Patterns

- Rainfall deficient during first half of June over most of the places in the region due to delayed onset of monsoon.
- July witnessed excess rainfall over most of the places in the region.