

Weekly SAHF Forecasters' Forum #45

Date: 22 December 2022

Discussion Notes

<p>Realized Weather (16-22 Dec. 2022)</p>	<ul style="list-style-type: none"> Under the influence of westerly waves much of Afghanistan and Pakistan experienced cold and dry weather conditions during the week. Also, Pakistan experienced moderate to dense foggy conditions in its plain areas such as Khyber Pakhunkhwa and upper Singh and temperatures as low as -10°C in Skardu region on 21 December 2022. Bangladesh, Bhutan, and Nepal experienced dry weather conditions during the week. Northern parts of Bhutan and Nepal experienced sub-zero temperatures and snow/rain in some places. With isolated and scattered rain/thundershowers in the southern areas, much of Myanmar experienced dry weather conditions. Maldives and Sri Lanka experienced scattered to widespread rain/thundershowers with isolated heavy rain showers in some places during the week. A cyclonic circulation seen over south Andaman Sea on 14 December 2022, intensified to low pressure system and moved west north westerly direction and further intensified to well-marked low-pressure 20 December 2022 over southeast Bay of Bengal and adjoining equatorial Indian ocean region areas. It is likely to concentrate into depression and gradually move towards Sri Lanka coast. The central and southern Bay of Bengal has been witnessing an unusually high number of disturbances travelling from the east. This could potentially be linked to the La Nina conditions prevailing during the larger part of the year, particularly since the summer monsoon season of 2022. 	
<p>Salient synoptic features in the coming week (23-29 Dec. 22)</p>	<ul style="list-style-type: none"> Westerly waves are likely to pass over northern parts of Afghanistan and Pakistan during 26-27 December 2022. No significant synoptic phenomena over the rest region during the coming the week except a well-marked low pressure over southeast Bay of Bengal and adjoining equatorial Indian ocean region, which is likely to concentrate into depression and gradually move towards Sri Lankan coast by 25 December 2022. 	
<p>Rainfall outlook (23 – 29 Dec. 22)</p>	<ul style="list-style-type: none"> Mainly dry weather conditions to prevail over Afghanistan, Bangladesh, Bhutan, Myanmar, Nepal, and Pakistan over the week. While northern parts of Afghanistan, Bhutan, Nepal and Pakistan are likely to experience isolated rain and snow, isolated places in Myanmar are likely to experience rain/thundershowers. Possibility of isolated to scattered rain/thundershowers over Maldives 	<p>Extended Range Outlook (until 04 January 2023)</p> <ul style="list-style-type: none"> Higher probability of increase rainfall activity over Sri Lanka, Maldives, and adjoining areas between weeks of 24-28 Dec 2022 and 29 Dec 2022- 04 Jan 2023.

	and Sri Lanka with isolated heavy rainfall in some places in these countries over the week.	
Temperature outlook (23-29 Dec. 22)	<ul style="list-style-type: none"> • No significant anomalies are in forecasts. 	<p>Ocean Watch <i>Ocean Surface Forecast briefing during past week (16-22 Dec.22)</i></p> <ul style="list-style-type: none"> • High wave warnings and alerts were issued to the coastal areas of Goa, Karnataka and Lakshadweep. • No significant events were observed. <p>Forecast for coming week (23-29 Dec. 22)</p> <ul style="list-style-type: none"> • No significant events over the week.