



Weekly SAHF Forecasters' Forum (FF)#152

Date: 9th January 2025

Discussion Notes

<p>Realized Weather-Country Reports (3rd - 9th Jan. 25)</p>	<ul style="list-style-type: none"> ▪ Bhutan experienced partly to mostly cloudy weather and light rainfall and snowfall over northern with no rainfall overall. At the southern region highest temperature observed whereas most part of the country experienced decreasing temperature. ▪ While Nepal experienced mostly cloudy weather and received light rainfall in the western hilly regions and light to moderate snowfall over the western Himalayan regions. A prolonged segment of fog observed over the southern plains. ▪ While Bangladesh experienced mild cold wave and dense fog all over the country except the coastal districts of Southern and southeastern regions. ▪ Myanmar experienced cloudy weather with scattered light rainfall over the northern regions of the country along with decreasing temperature. ▪ Maldives experienced a heavy to very heavy rainfall due a cyclonic circulation mainly over central and some northern regions with flooding. Apart from that, there was a strong wind prevailing in central and southern part of the country. ▪ While Pakistan observed scattered rainfall and moderate snowfall over the northwestern part of the country. Also, dense foggy condition persisted over northeastern Panjab and Lahore regions.
<p>Significant Weather Features in the region for the coming week (10th - 16th Jan. 25)</p>	<ul style="list-style-type: none"> ▪ An active northeast monsoon may persist and the mid-latitude westerly trough may influence rainfall, snowfall and fog over the hill states of Northwestern regions of Pakistan, Northwest and Central part of India, Nepal, Bhutan and Bangladesh in the coming week. Temperature may fall over the peninsula regions. ▪ A southeastern circulation persists over the South Bay of Bengal which may cause moderate intensity rainfall over southern part of India, Sri Lanka and Maldives. ▪ Due to active easterly wave dense fog may reduce visibility over the regions. Air pollution may persist over Northwestern Indian regions, Pakistan, Bhutan and Nepal and Bangladesh.
<p>Weather Outlook (10th - 16th Jan. 25)</p>	<ul style="list-style-type: none"> ▪ Much of Bhutan is likely to experience partly to mostly cloudy with light rainfall and snowfall over the northern hilly part and high altitudes of the country due to the western disturbance. ▪ Much of Myanmar may experience mostly fair weather with light rainfall and decreasing temperature may persists over the country. ▪ While Nepal may experience partly cloudy to generally cloudy condition in hilly and mountainous area due to the western disturbance. Light rainfall and snowfall are expected to occur in high mountainous and central regions of the country. Both maximum and minimum temperature are likely to remain unchanged and slightly till the mid of the week. And in the end of the week, minimum temperature is likely to decrease. Also, foggy weather may remain over the southern regions. ▪ Maldives is likely to experience moderate to heavy rainfall with wind gust due to prevailing easterly wave which may cause water logging for some of the low laying islands. ▪ Much of Myanmar may experience decreasing temperature over northern and northeastern part of the country due to the high-pressure system over China. ▪ Whereas Sri Lanka is likely to experience heavy to very heavy rainfall with thundershowers in the southeastern regions due to the influence active north eastern monsoon along with wind gust. ▪ Much of Bangladesh is likely to experience temporary partly cloudy sky and dry

	<p>weather temperature may fall. Also, there is a chance of moderate to dense fog at many places of the country.</p> <ul style="list-style-type: none"> While Pakistan is likely to experience persisting light rainfall over the northeastern and adjoining regions. Moreover, light to moderate snowfall may also continue to occur over the western hilly regions due to the western disturbance. Dense fog and decreasing temperature may also observe.
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<p>Extended Range Outlook (9 Jan 2025 – 10 Feb. 2025)</p>	<p>Extended Temperature outlook</p> <ul style="list-style-type: none"> Most of the countries of Northwestern part of South Asia especially northwestern India, Pakistan, and Afghanistan, Nepal, Bhutan and Bangladesh would initially experience below-normal temperatures till 3rd February and temperature may rise in the subsequent week ending on 10th February. 	<p>Extended Rainfall Outlook</p> <ul style="list-style-type: none"> Significant amount of rainfall and snowfall is expected around the equatorial Northwestern Himalayan and hilly regions till January 27th due to the active passage of easterly waves. Sri Lanka, Maldives and most of the southern parts of India, basically Tamil Nadu and would likely to get good amount of rainfall because of active northeastern monsoon in week 1-3.
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<p>Ocean Watch</p>	<p>Observed Ocean Surface Conditions (3rd -9th Jan. 25)</p> <ul style="list-style-type: none"> Normal waves and swell surge observed over most coastal regions such as around 2 to 12 meter per second. And maximum wave heights were observed up to 2.8 meters and swell wave heights were observed up to 1.8 meter per second, periods were up to 16 seconds were most part of the South Asia except Maldives and Sri Lanka. <p>Forecast for the coming week (10th - 16th Jan. 25)</p> <ul style="list-style-type: none"> Significant wave height, and surges are expected over the coastal regions of Sri Lanka and Maldives around 430 to 440 meters per second due to a system in the South Indian Ocean.
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