

한국 남해해역에서 연안풍과 기온의 변화

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The seasonal prevailing winds at Chungmu were southwesterly and north-northeasterly in spring, west-southwesterly in summer, southwesterly in fall and notheastly and nothwestly in winter from 1981 through 1985, respectively. At Yosu southwesterly, northeasterly and northwesterly winds are predominant without any apparent prevailing wind in spring, but southwesterly in summer, northeasterly and northwesterly in fall, and northwesterly in winter. At Sogwipo, which is located in the edge of south sea northeasterly wind was detected with a maximum occurrence in spring, and northeasterly and southwesterly were in summer, and northeasterly and northwesterly in winter. Maximum occurrences of maximum wind speed were observed during daytime at Chungmu and Sogwipo, but any maximum occurrence was not distingtively found at Yosu. Maximum and minimum values of monthly averaged maximum wind speeds were found in March and July at Chungmu, Yosu and Sogwipo, and maximum wind speed at Yosu was much greater than those at Chungmu and Sogwipo.

The occurrence of strong wind over 7msec^{-1} was much more detected at Yosu than at both Chungmu and Sogwipo. Yosu had maximum seasonal occurrences of CLLJ in spring, summer and winter, but Chungmu in summer. The frequency of occurrence of CLLJ at Chungmu was much higher during the daytime than at night, but contrary to Chungmu, the frequencies at both Yosu and Sogwipo were higher at night than during the daytime. Monthly averaged maximum and minimum air temperatures were 29.2°C and -1.6°C at Chungmu, 28.8°C and -1.8°C at Yosu, and 29.1°C and 2.7°C at Sogwipo. Maximum values of monthly mean temperatures at Chungmu, Yosu and Sogwipo were 26.3°C , 26.3°C , 26.9°C in August, and minimum ones were 1.2°C , 0.6°C , and 5.1°C in January, respectively.