Japan Geoscience Union Meeting 2015
(May 24th - 28th at Makuhari, Chiba, Japan)

ACG06-04 会場:101A 時間:5 月 26 日 11:50-12:05

フィリピンにおける降雨と大気循環の気候学的季節変化
Climatological seasonal changes of rainfall and circulation in the Philippines

松本 淳 [1*] ; Nguyen-Le Dzung[1] ; Villafuerte Marcelino II[2]
MATSUMOTO, Jun[1*] ; NGUYEN-LE, Dzung[1] ; VILLAFUERTE, Marcelino ii[2]

[1] 首都大学東京　地理学教室, [2] フィリピン宇宙気象局
[1]Department of Geogreaphy, Tokyo Metropolitan University, [2]PAGASA, Philippines

Climatological seasonal changes of rainfall and lower tropospheric circulation in the Philippines were analyzed by utilizing 5-day mean TRMM 3B-42 and station rainfall data provided by PAGASA, and ERA-Interim wind data for the period 1998-2013. In particular, climatological onset and withdrawal processes of the southwest monsoon were investigated.

It was found that the onset of southwest monsoon occurred abruptly in mid-May. It started from the north in the Philippines both in rainfall and wind, which showed a peculiar feature in this region. After the onset, anti-cyclonic flow from the Pacific high was predominant, and it changed into cyclonic flow in mid-June. Easterlies still remained in the south until early July, afterwards SW monsoon covered the whole country and enhanced from late July.

Southwest monsoon began to retreat from the north in mid- September, and fully retreated from the southern tip of the Philippines in late October.

Acknowledgment: Part of this study was supported by The JSPS KAKENHI, The GRENE program of the MEXT, and the Asian Human Resource Fund of the Tokyo Metropolitan Government.

キーワード: モンスーン, 季節変化, モンスーン開始, モンスーン撤退, 雨季
Keywords: monsoon, seasonal changes, monsoon onset, monsoon withdrawal, rainy season