

火星探査機 MRO 搭載 MCS により観測された火星大気ダストと水氷雲の子午面分布
の複数年解析
Interannual analyses of the meridional distributions of Martian dust and clouds obtained
by MRO-MCS

野口 克行^{1*}; 今江 香織¹; 川西 麻衣¹
NOGUCHI, Katsuyuki^{1*}; IMAE, Kaori¹; KAWANISHI, Mai¹

¹ 奈良女子大学
¹Nara Women's University

We investigated the interannual variability of the meridional distributions of dust and clouds in the Martian atmosphere by using Mars Reconnaissance Orbiter Mars Climate Sounder (MRO-MCS) measurements. As the previous analyses did not consider measurement errors to depict the zonal averages, we took a criterion of 10% for the measurement error. Results show that Mars Year (MY) 29, which is regarded as a standard year in the previous analyses, had an enhancement of dust in the high altitudes (above 10 Pa) in the tropical region, and such an enhancement was not found in other MYs (28, 30 and 31). On the other hand, the distribution of ice clouds in MY 29 roughly agreed with other MYs' distribution.

キーワード: 火星, MRO, MCS, ダスト, 水氷雲