

INTRODUCTION: 64425 is a coherent rock, apparently composed of distinct gray and white lithologies (Fig. 1). The contacts between the two lithologies are very irregular and no clast/matrix relations can be determined macroscopically. By analogy with other Station 4 dilithologic breccias (e.g., 64535-6-7), the dark material in 64425 is probably a clast-laden impact melt and the light material is brecciated anorthosite. Metal is present in both of the lithologies and a single grain of spinel (?) was observed in one of the patches of dark material (Apollo 16 Lunar Sample Information Catalog, 1972). This rock was taken from a soil sample. Zap pits are abundant on the B surface, rare on others.

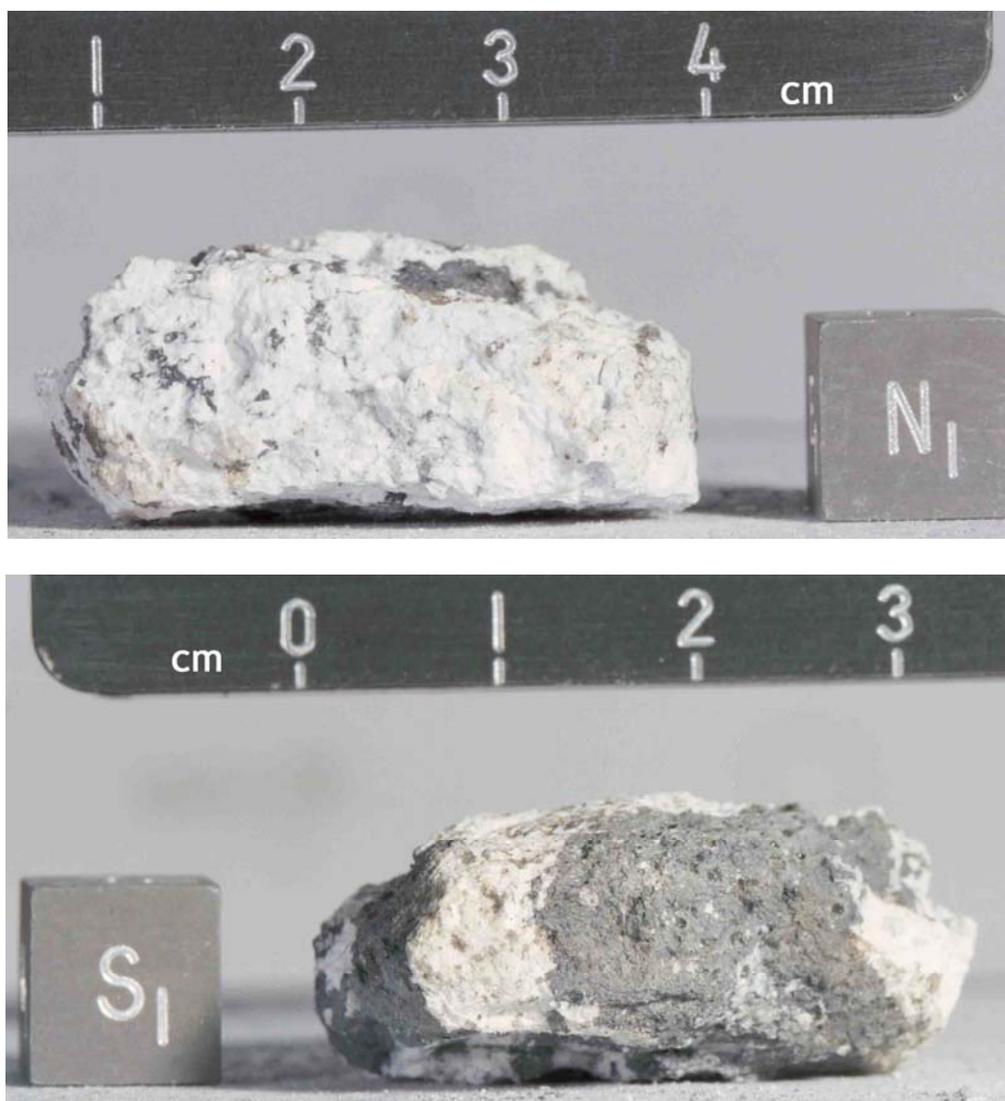


FIGURE 1. S-72-41584 and S-72-41585.