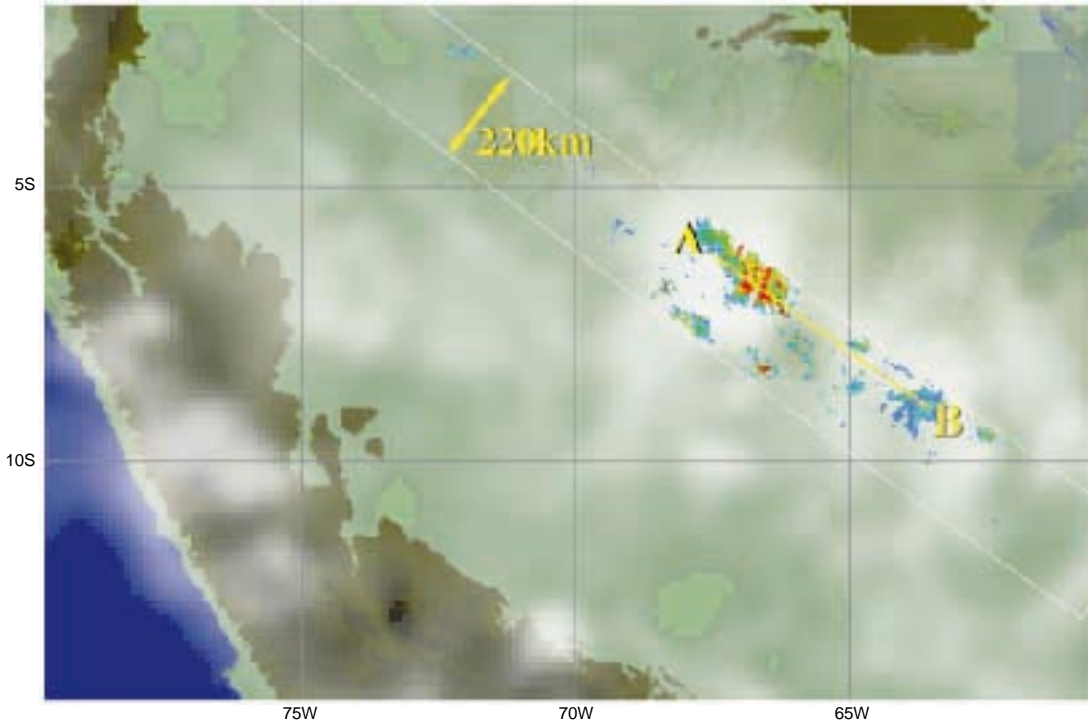




Rain over Amazonas (PR)



GOES IR 6:00 (UTC) by JWA

Fig.1 Horizontal Cross Section of Rain at 2.0km Height

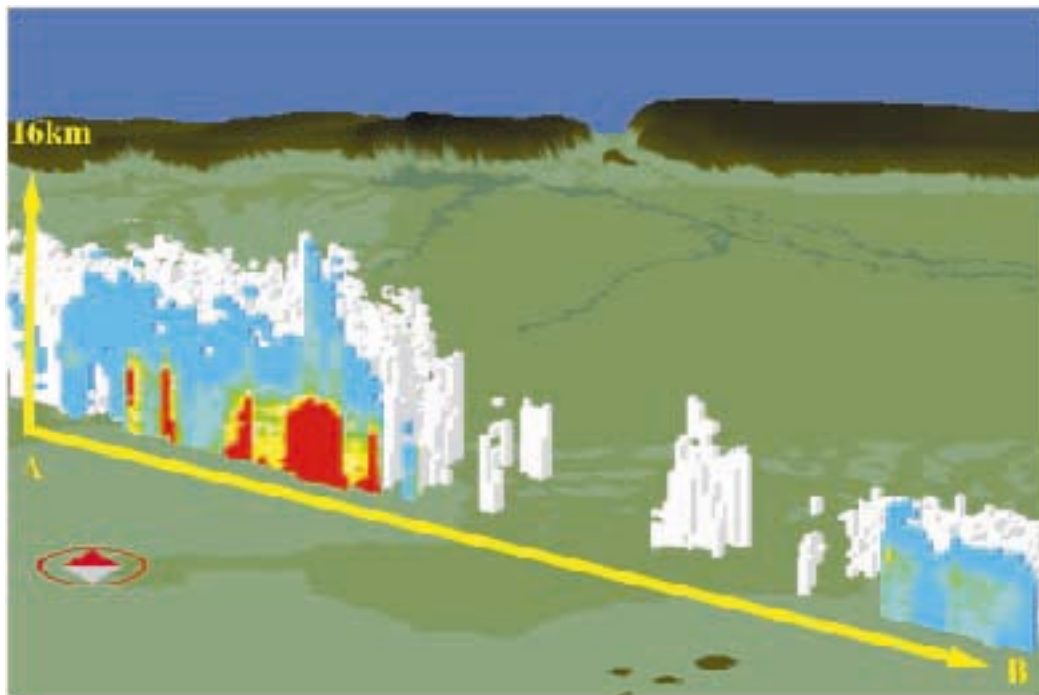


Fig.2 3-D Rain Structure

Rain over Amazonas (PR)

Figure 1 shows a horizontal cross section of rain over Amazonas at an altitude of 2.0km from 04:57 to 05:02 on Dec. 19, 1997 (UT) together with image an infrared image taken from the American geostational meteorological satellite (GOES). The rain fell on the upper stream of the Amazon river where is about 500km northwest of Porto Velho near the border of Brazil and Bolivia. Figure 2 shows a three-dimensional image which depicts the structure of the convective rainfall on the lowland of the Amazonas. The cross section of rainfall shows the vertical distribution of rain intensity along the line AB, and the white below about 1km were excluded because of strong influence from the surface reflection. In both figures, the altitude was indicated by green to brown colors. The lowland indicated by green from east to west like lines is the area along tributaries of the Amazon river. There were both rainy and rainless areas where same white was observed by the meteorological satellite from Fig. 1. Existence of high rain up to about 16km shows the heavy convective activity in the tropical rain forest region.