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For release: Immediately

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The award last week of a quarter-million dollar contract for a High Resolution Film Recording System at the EROS Data Center will give the Data Center the capability to produce highly accurate, original film from data transmitted by the LANDSAT earth resources satellites.

The contract in the amount of \$255,271.00 was awarded to the Goodyear Aerospace Corporation, Akron, Ohio. The equipment will be manufactured and tested at the Goodyear Aerospace facility, Litchfield Park, Arizona. Final acceptance will be at the EROS Data Center.

The Data Center currently processes LANDSAT products from film provided by the NASA Goddard Space Flight Center, Greenbelt, Maryland, where the original film is now produced.

With the installation of the High Resolution Film Recording System in February 1976, the EROS Data Center will be able to produce original, first generation LANDSAT earth images. The LANDSAT data will be computer processed to correct and enhance the final products. This will allow more effective and efficient analysis of the satellite data.

The High Resolution Film Recording System will utilize sophisticated laser technology to create the line-scanned earth pictures. It receives digital data from magnetic tapes and produces a film image representing 13,225 square miles. Actually, each of the seven-inch square pictures will be constructed out of 7 1/2 million small picture elements, each element representing about 200

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feet on the ground. The system also automatically prints identification data and latitude/longitude notations next to each image. It can produce a different image every two minutes. Through the film, extremely high resolution is obtained with a placement accuracy better than two-thousandths of an inch anywhere within a picture.