

U.S. Naval Observatory Operation Center

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Abstract

This report covers the activities of the NEOS Operation Center at USNO for 2001.

1. VLBI Operations

NEOS operations in the period covered consisted of one 24-hour duration NEOS-A observing session, on Tuesday-Wednesday of each week, for Earth Orientation, together with daily one-hour duration “intensives” for UT1 determination. The operational NEOS-A network has included VLBI stations at Gilmore Creek (Alaska), Kokee Park (Hawaii), Wettzell (Germany), Fortaleza (Brazil), Ny-Ålesund (Norway), Algonquin Park (Canada), Westford (Massachusetts), and Matera (Italy). No more than six stations were used in any given NEOS-A. The intensives used Kokee Park and Wettzell.

All sessions are correlated at the Washington Correlator, which is located at USNO and is run by NEOS.

During 2001, M. S. Carter was on maternity leave during the first half of the year, so the January through May NEOS-A and Intensive observations were scheduled by the Core Operation Center. The NEOS Operation Center resumed scheduling in June.

2. Staff

M. S. Carter continues as the only staff member of the NEOS Operation Center.