

# NEOS Operation Center

David M. Hall

**Abstract** This report covers the activities of the NEOS Operation Center at USNO for 2019 to 2020. The Operation Center schedules IVS-R4 and the INT1 Intensive sessions.

## 1 VLBI Operations

NEOS operations in the period covered consisted, each week, of one 24-hour duration IVS-R4 observing session, on Thursday-Friday, for Earth Orientation, together with five daily one-hour duration “Intensives” for UT1 determination, Monday through Friday. In 2019–2020, the operational IVS-R4 network included VLBI stations at Kokee Park (Hawaii), Wettzell (Germany), Ny-Ålesund (Norway), Fortaleza (Brazil), Tsukuba (Japan), Svetloe, Badary and Zelenchukskaya (Russia), Hobart, Katherine and Yarragadee (Australia), Yebes (Spain), and Matera and Medicina (Italy). A typical R4 consisted of 8 to 12 stations. The regular stations for the weekday IVS Intensives were Kokee Park and Wettzell. Intensives including Kokee Park, Wettzell, and Svetloe were occasionally scheduled in order to characterize the Kokee Park to Svetloe baseline so that Svetloe can be used as an alternate for Wettzell should it be needed. The Operation Center updated the version of *sked* as updates became available. All sessions are correlated at the Washington Correlator, which is located at USNO and is run by NEOS.

---

U. S. Naval Observatory

NEOS Operation Center

IVS 2019+2020 Biennial Report

## 2 Staff

D. M. Hall and M. S. Carter are the only staff members of the NEOS Operation Center. Mr. Hall is responsible for the overall management, and Carter makes the schedules. M. S. Carter is located at the USNO Flagstaff Station (NOFS).