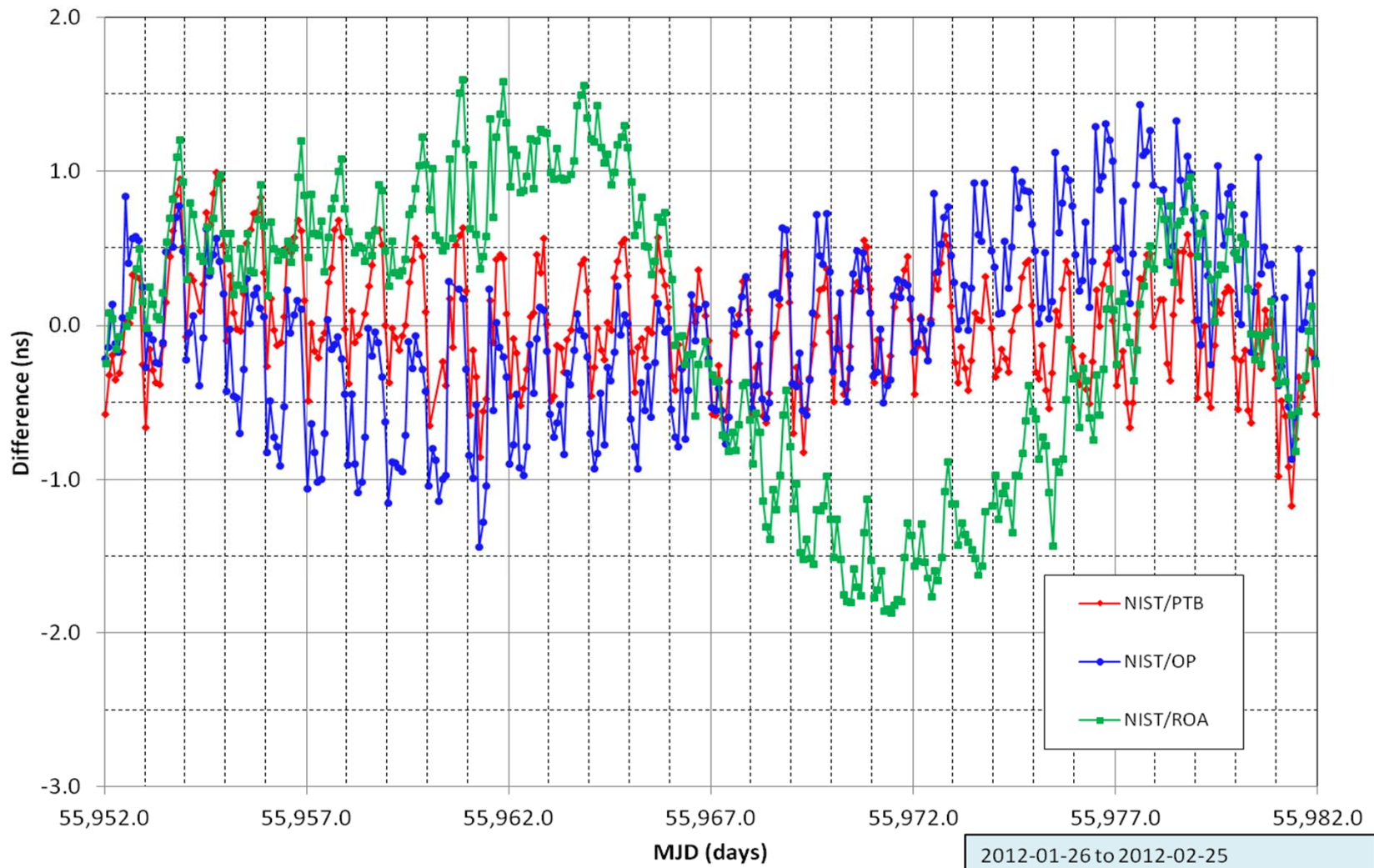


TWSTFT Difference



Tempera

All equi

1.0

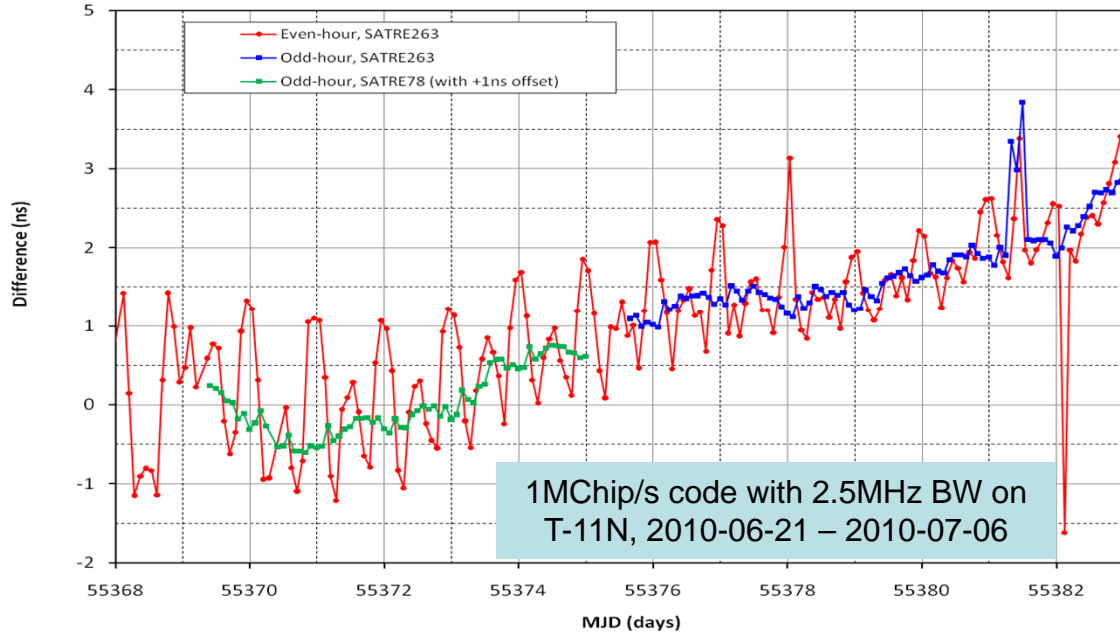
Difference (ns)

0.0

-1.0

55,91

UTC(NIST)- UTC(PTB) TWSTFT Difference



+50 C)

ments

)/2

20

Temperature (degC)

13

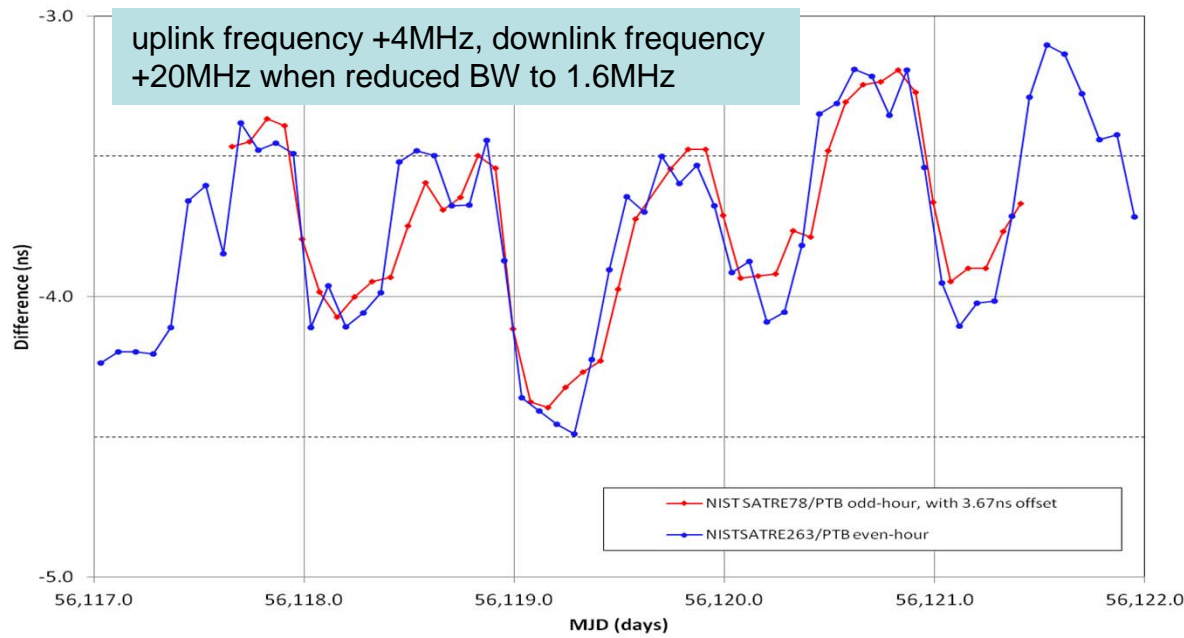
6

-1

-8

55,916.0

TWSTFT Difference



Diurnal of Transatlantic TWSTFT

- How to mitigate the diurnal?
 - Temperature control outdoor earth station equipment
 - Better impedance match to reduce reflections
 - Try different frequency offset for TX signals transmitted at the same time
 - Turn off MODEM TX when not making measurement
 - Using SAW filters to reduce the interference from neighboring signals