



DEPARTMENT OF TRANSPORTATION
UNITED STATES COAST GUARD

Address reply to:

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•10550
18 June 1969

From: Commanding Officer, USCG Loran Station, Adak, Alaska
To: Commander, Seventeenth Coast Guard District (o)

Subj: Rate 1L2 out of tolerance from 162000Z to 162205Z JUN 69

Ref: (a) CGLORSTA ATTU msg 162255Z JUN 69

1. At 162000Z JUN 69, coinciding with the completion of an electrical synchronizer adjustment of the master operating timer, the slave's signal was seen to drift out of tolerance negative. This unit commenced blink and continued to blink intermittently until 2116Z when the slave appeared to settle out at negative 1.2 microseconds. All blink stopped at 2116Z. This out of tolerance condition was verified on the standby timer all through the period of bad time. At approximately 2115Z ATTU informed ADAK (via radio) that we were ten microseconds out of tolerance but this word was apparently lost in the ensuing confusion and never reached the timer room. At approximately 2150Z Chief Petty Officer HALE at ATTU called Chief Petty Officer GAY here and reported that ATTU's coding delay was 990.6 instead of 1000.6 and asked Chief Petty Officer GAY to check the standard time delay here at ADAK. A check was made of the standard time delay and was discovered to be 10 microseconds low. ATTU was informed, both stations corrected their standard time delays, and the rate was back in tolerance at 2205Z.
2. This experience pointed out a great lack of ability and confidence of the watchstanders at the master station to take full standard time delay readings from the slow, video and R.F. scopes. The master station has started and will continue daily instructions in the use of these scopes for delay readings until all watchstanders are confident of their ability to use them. This unit now requires all standard time delay readings to be complete readings using all three scopes.
3. The communications procedures between both stations and especially between the radio watchstanders and loran watchstanders at this unit are being reviewed with the need for better co-operation being stressed to eliminate any time delays in passing information and to insure that all information reached the people concerned.

Kenneth G. Coder
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Copy to:
CGLORSTA ATTU