

OAN-3  
11153

JUN 8 1964

From: Commandant  
To : Commander, Seventeenth Coast Guard District (o)  
Subj: Operational Value of LORAN-C Monitor Adak, Alaska

1. Analysis of Forms CG-2899 from subject station, although showing multiple entries of data, leads in one significant direction. The operational value of LORSTA Adak as a LORAN-C monitor is questionable. During the months December through February last, usable times reported by the Alaskan chain stations were as indicated in enclosure (1). The disagreement between observations at Adak and those at the transmitting stations is marked and requires investigation.
2. The source(s) of this disagreement could be any one of, or a combination of, the following:
  - a. Faulty recording and reporting by Adak.
  - b. Inclusion of receiver downtime in reported data from the data.
  - c. Improper operational use of the monitor.
  - d. Marginal conditions for reception at the monitor.
  - e. Actual poor operation of the chain.

No doubt, there are other possible causes. The fact remains that Adak does not report the same operational record that the transmitting stations report.

3. It is requested that this condition be investigated and a report forwarded concerning the apparent inability of LORSTA Adak to perform its mission as a LORAN-C monitor and of your recommendations for corrective action.

cc; EEE

151  
S. E. TAYLOR  
By direction

Encl: (1) Total % Usable Service Time Reported by Indicated Stations

WF  
WRF EARN/sft 6-5-64

TOTAL % USABLE SERVICE TIME REPORTED BY  
INDICATED STATIONS

		Dec 63	Jan 64	Feb 64
HX	ADAK -- RCVR 19	65.502	72.558	74.063
	RCVR 22	78.714	67.998	77.019
	RCVR 27	-----	65.012	-----
	ST. PAUL	99.815	99.313	99.775
	PT. CLARENCE	NR	NR	NR
	*SITKINAK	99.819	99.315	99.77
	ATTU	99.80	99.32	99.78
	ADAK -- RCVR 19	91.295-	90.028	92.088
	RCVR 22	98.327	91.189	94.107
	RCVR 27	85.155	92.447	92.209
MY	ST. PAUL	99.596	99.132	99.448=
	PT. CLARENCE	99.586	99.174	99.438
	SITKINAK	99.599	99.110	99.44
	*ATTU	99.53	99.09	99.42
	ADAK -- RCVR 19	-----	91.889	91.065
	RCVR 22	-----	96.442	
MZ	RCVR 27	79.009	65.327	90.901
	ST. PAUL	99.827	99.399	99.932
	*PT. CLARENCE	99.544	99.395	99.926
	SITKINAK	NR	NR	NR
	ATTU	99.80	99.37	99.92

NR --Not Reported

\*Slave for Pair