

Series: AWM95
Australian Army commanders' diaries
[Vietnam]

Signals units

Item number: 6/3/9

Item: 110 Signal Squadron

Narrative

Annexes

[1-31 Jan 1968]

PART 1

COVERING LETTER

Reference No. R707 -4-4

To: OIC, Military History Section, AHQ.

1. I enclose Commanders Diary (AF C 2118) (Adapted) as indicated at Part 2.

2. Please return receipt below.

(Signature)

Maj.

Appointment OC 110 Sig Sqn (OC Unit or senior staff officer)

Receipt forwarded

12/3/68

PART 2

AF C 2119 (Adapted) Revised Jun, 1965

SECRET

ORIGINAL }
DUPLICATE }

Strike out where not applicable

COMMANDERS DIARY

OF

Unit or Formation 110 SIG SQN

From 1 JAN 68 To 31 JAN 68

INDEX

Narrative (AF C 2118)

ANNEXES

- * A Duty officer's log
* B Messages connected with log
C Operation orders and instructions issued
D Operation orders and instructions received
* E Sitreps issued
F Orders of battle and location reports issued
G Intelligence reports and summaries issued; appreciations made
H Administrative orders and instructions issued
I Administrative orders and instructions received
J Administrative reports and bulletins; ammunition returns; field strength returns
* K Standing orders issued
L Commander's policy and demi-official letters
M Action reports (if required)
N Other papers, eg, maps and diagrams, air photos, reports from sub units
O Periodical summaries of operations
Z Top Secret Supplementary Diary

Enclosure Numbers

Table with 2 columns: Enclosure Number (VIII to I), to

† NIL

† RETAINED

† Despatched to

on.....

* Only to be included during operations.
† Cross out whichever is not applicable.

COMMANDERS DIARIES INSTRUCTIONS

AIM

1. The aim of a Commanders Diary is to provide data on which to base future improvements in Army training, equipment, organization and administration, and to furnish historians with a record of the activities of units and formations in operational and non-operational periods in peace and in war.

GENERAL

2. Entries are to be made daily on AF C 2118 (Adapted) each entry being initialled by the officer detailed to keep it.

3. Commanders Diaries will conform with the rules for drafting orders given in "Staff Duties (Australia)", Chapter 2, Section 12.

RESPONSIBILITY

During Non-operational Periods

4. A Commanders Diary is to be compiled by commanders of all formations.

During Operational Periods (1)

- 5. A Commanders Diary is to be compiled in duplicate by:
 - a. Commanders of all formations.
 - b. Each branch of the staff at formation headquarters commanded by a brigadier or above.
 - c. Heads of services not below the rank of lieutenant colonel.
 - d. Personal staffs and officers holding special appointments.
 - e. Unit commanders.
 - f. Commanders of a detachment of a unit when so ordered.

COMPILATION

- 6. Both original and duplicate copies are to consist of:
 - a. Cover (AF C 2119) (Adapted).
 - b. Index as printed on cover.
 - c. Narrative (AF C 2118) (Adapted).
 - d. Annexes as shown in the Index.
- 7. All details of the unit or formation (if a detachment is concerned, the name of the parent unit), period covered and enclosure numbers of the annexes are to be shown on the cover. If there has been a change of command since the last report, the date of assumption by the new commanding officer is to be included.
- 8. The annexes are to be assembled in the groups shown on the cover. If there are no enclosures for an annex NIL will be entered on the cover. If additional annexes are convenient for a particular headquarters, starting at B.

g for operations form Annex "Z", "TOP SECRET" the document. It is to be prepared and disposed of as

CONTENTS

es as well as map references), establishment, equipment
d orders given.
he day's fighting, including company movements.
nmander with regard to equipment, tactics, organization

tential importance.
o officers, men and equipment.
pment captured.
employed in the time not accounted for. The type of

and to save work as much information as possible is to
uments issued and received, routine returns, etc. All
and the time of receipt or despatch is to be given.

ne annexes, but need not give a precis of any of them.

(continued on back cover)

AWM 95
[6/3/Jan 68]

DISPOSAL

13. **Original Commander's Diary.** This is to be forwarded monthly, unless otherwise ordered, by the seventh day of the succeeding month direct to AHQ.

14. **Duplicate Commander's Diary.** This must be clearly marked as a duplicate. It is to be sent separately from the original to AHQ one month after the original has been despatched but not before the former has been acknowledged.

15. When overseas, both copies of diaries are to be sent through the Army Records organization in the overseas theatre but at different times.

16. **TOP SECRET Supplementary Diaries.**

a. The documents referred to in Paragraph 9 together with a list of them made out on AF C 2118 (Adapted) must be placed in separate cover (AF C 2119) (Adapted). All details must be filled in and the cover clearly marked in red: "ANNEX Z — OFFICER ONLY". It may be convenient to group the papers by appendices.

b. Supplementary diaries must be forwarded under the normal rules for TOP SECRET correspondence, to AHQ. The inner envelope must be plainly marked:

TOP SECRET

ANNEX Z to

Commanders Diary of.....(Formation or Unit)

From.....to..... (Dates)

c. The duplicate supplementary diaries must be despatched as shown in Paragraph 14 as soon as receipt of the original has been acknowledged.

AWM 95
[6/3/Jan 68]

This form is to be enclosed with the annexes in AF-C 2119 (Adapted).

COMMANDERS' DIARY NARRATIVE

AF-C 2118 (Adapted)

Revised Jun, 1965

MONTH AND YEAR JANUARY 1968.....

REFERENCE MAP.....

UNIT/FORMATION 110 SIG SQ.....

COMMANDING OFFICER Maj H. HYNES.....

Place and grid reference	Date	Time	Event or information	Annex letter and enclosure number
SAIGON/VUNG TAU	11 JAN		Saigon - Vung Tau telegraph circuit upgraded to 75 band working.	0 1
SAIGON	15 JAN		A third extension from the Deer switch became available for trunk circuit to both Emu and Ebony.	0 1 0 1
VUNG TAU	20 JAN		Sergeants Mess at Vung Tau officially opened.	0 1
VUNG TAU	24 JAN		Two HF radio detachments provided in support of Operation COBURG. A telegraph/voice link was provided between an ALSG detachment at LONG BINH and the TFMA at TAC HQ 1ATF.	0 1
VUNG TAU	27 JAN		Radio Relay shelter and detachment helicopted into HQ 1ATF to provide 5 channels directly into the existing system at Saigon.	0 1

CO DAIRY

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AUSTRALIAN MILITARY FORCES

SOUTH VIETNAM

110 Sig Sqn
PHU THO

17 Feb 68

R723-4-1

HQ AFV

110th SIGNAL SQUADRON * MONTHLY REPORT

JANUARY 1968

Communications

1. Radio Relay System - The month saw a major increase in interference on the allocated frequencies. This necessitated frequent QSY action on all lines and on some occasions deliberate tuning off to obtain a clear frequency. While this latter action is illegal, unethical, and traditionally abhorred by all communications, it has been, and still is a simple option of providing the trunking facility or not providing it. It is not likely to improve as the VHF band is becoming more crowded every day.

2. One effect of the above is that all the Yagi antennas constructed to date for all links are virtually useless. With the exception of the VUNG TAU & NUI DAT link all links are now using the bedstead antennas.

3. Experiments on triangulation have been temporarily suspended pending a DSigs decision on the introduction of Sieman's Halske UHF equipment into the theatre. This decision is dependant on the allocation by MACV of the spot frequencies available for these equipments. To date the frequencies have not been cleared..

4. Because of the unsatisfactory radio relay facilities provided for the Tac HQ 1 ATF during operation COBURG by US signals, a shelter was heli-lifted into the area from VUNG TAU on 27 Jan 68. This detachment provided 1 + 4 channels directly into SAIGON. The channels provided were :

- Ch 1 - T₃ circuit into AUSTCAN SAIGON (simplex, class)
- Ch 2 - Tac HQ CP direct line to G2 HQ AFV
- Ch 3 - Tac HQ CP direct line to HQ 1ATF CP
- Ch 4 - Trunk connection EBONY fwd to EBONY rear
- Ch 5 - Spare.

Channels 3 and 4 were patched from SAIGON on the spare channels on the existing in-theatre radio relay system which was built up to 1 + 19 channel working.

5. The system was in and working by 28 Jan and to the end of the month had provided more than satisfactory availability.

6. The deployment has stretched and is still stretching AN/TRC 24 reserves to breaking point. More than one major fault in any location would disrupt the whole system and arrangements have been made for immediate replacement of faulty equipment by helicopter whenever it fails.

7. An interesting sidelight of the deployment of the shelter was the startling effect of the down draft of a CHINOOK helicopter. In the minute the craft took to winch the shelter into its prepared scrape it demolished the signal centre (moved the SB/86 board 3 feet and disconnected many lines, upturned a table and smashed a AN/PGC 3 teletypewriter) blew the RAP shelter 40 feet away and left the RMO sitting bewildered in an open scrape amidst his smashed bottles, and wrecked OC 104 Sig Sqn's tent. The CP remained intact only because every officer on it manfully held down a tent stay. The scene afterwards resembled the aftermath of a Tornado and it became very important that the shelter provided the service we had promised.

8. New Projects. Detailed stores lists and work schedules for the three major projects to be completed before 1 Jul 68 were submitted to D Sigs during the month. These projects are :

- a. Installation of AUSTCAN SAIGON receiver station at LONG BINH.
- b. Installation of new AUSTCAN SAIGON Transmitter station at PHU THO.
- c. Installation of alternate AUSTCAN receiver and transmitter stations at VUNG TAU.

9. Stores for the rhombic antennas at LONG BINH arrived before the end of Jan 68 and it is expected installation in the building itself will commence in Feb 68. Antenna construction will commence as soon as the mast feet have been surveyed.

10. VC TET offensive (31 Jan 68 -) Although the offensive is still continuing well into February it is considered some details as it affected squadron communications should be included in this report.

11. During the night 30/31 Jan heavy attacks were carried out by the VC on installations in SAIGON and CHOLON and on the air base at TON SON NHUT. At 0300 hrs 31 Jan the receiver site technician on duty at BA QUEO was forced to evacuate the station and assist local US Signals Corps personnel in defence of the area from a large VC force which broke through the air base perimeter defences less than 200 metres from the site. For the next 7 days the technician could only spend very limited time attending the station because of the situation and for this period the station was virtually inoperative.

12. By 0700 hrs 31 Jan all hired US lines between the FWMAO and the transmitter station had been cut as well as the lines between PHU THO and BA QUEO. No road movement at all was possible between the three localities. Two noisy pairs of an old Aust spiral four cable were found to be still through to PHU THO from the FWMAO and by 0900 hrs the MELBOURNE circuit was restored by using one of these lines to key the transmitter at PHU THO and the other for engineering. MELBOURNE was received by requesting USB working and by using two AN/GRC 106 receivers for diversity working. Antennas for these consisted simply of lengths of B10 cable strung to the top of the tower.

13. The effectiveness of the above improvisation was indicated by the traffic figures to and from AUSTRALIA from 0100 hrs 31 Jan to 0800 hrs 1 Feb. These were an all time high.

14. By the end of 31 Jan the squadron was also providing a three station AN/PRC 25 net between the AUSTRALIAN ambassadors' residence, the residence of COMAFV, and the G2 HQ AFV at the FWMAO building. All other communications to the two residences were out.

15. All other in-theatre circuits including the radio relay link to the TAC P 1 ATF were operating satisfactorily by the end of the month.

Administration

16 Personnel

a. March - ins

1. Arrival in theatre - 2 offrs - 12 CR

- b. March Outs
 - 1. RTA - 3 OR
 - 2. MEDEVAC - 1 OR
- c. Deficiencies (As at 31 Jan)
 - 1. Posted Strength
 - 1 WO
 - 1 Sgt
 - 19 Cpl
 - 19 Sig
 - 2. Attached Strength
 - 1 Sgt
 - 2 Cpl
 - 1 Pte
- d. Surplus to Estb
 - 1. Posted Strength
 - 1 Sgt
 - 1 Sig
 - 2. Attached Strength
 - 1 Sgt

17. CO's Hour. The CO's hour scheduled for 12 Jan was cancelled as the conference room was required for a conference by a visiting dignitary. As the chaplain's schedule was tight a later booking was not possible.

18. New Works - SAIGON Area

- a. A fuel tank was completed at HQ FWMAO enabling bulk fuel supply to be initiated.
- b. Because of the move to LONG BINH, all engineer work at the receiver site in BA QUOC was cancelled.
- c. Engineer and contactor planning of the Q and transmitter buildings at PHU THO were carried out.

19. COs Parade/ Room Inspections. Regular CO's parades and room inspections at the CANBERRA BEQ were carried out.

20. Welfare. A farewell function for Major General D. VINCENT, OBE was attended by Squadron officers on 30th January.



(G.H. HYLES)
Maj
CC

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Annex 'A' to
110 Sig Sqn
R723:4:1
dated Feb 68

DET 110 SIG SQN - VUNG TAU

MONTHLY REPORT

JANUARY 1968

CONTENTS

1. GENERAL
2. COMMUNICATIONS
3. TECHNICAL ASPECTS
4. OPERATION COBURG
5. ADMINISTRATION
6. MISCELLANEOUS

APPENDICES

1. MONTHLY CIRCUIT DATA SUMMARY
2. MONTHLY TRAFFIC - MRS VUNG TAU/LALSG SIGCEN
3. RR OUTAGES - VUNG TAU - NUI DAT
4. RR OUTAGES - VUNG TAU - SAIGON
5. TRAFFIC OUTAGES - VUNG TAU - NUI DAT
6. TRAFFIC OUTAGES - VUNG TAU - SAIGON

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GENERAL

Visits.

1. Maj Gen Vincent visited the detachment on 25 Jan 68, during his farewell visit to 1ALSG prior to relinquishing command as COMAFV. He was also entertained in the Sgts Mess.

COMMUNICATIONS

Sigcen/MRS
TRAFFIC

2. a. The traffic volume handled by the MRS reached an all time high this month with 26,759 messages handled.
b. During the month a purge was initiated by Comd 1ALSG on misuse of message procedure. A noticeable decline in the number of high precedence messages has resulted.
3. 1ALSG Sigcen. Plans have been prepared for rewiring the Sigcen. A request has been submitted for Engineer Works. Once this is completed re-wiring will be carried out.

Medium Radio.

4. Two HF radio detachments were deployed in support of Operation COBURG. See paragraphs 19 - 22.
5. AUSTRIAN HF Backup. This circuit is currently being worked on an AN/GRC-106 using a whip antenna. Signal strength reports on CW of QSA 4/5 have been received consistently. It is considered that the AN/GRC-106 receipt would be more than adequate to receive RTT from Melbourne. Transit results are made more difficult to predict because of the necessity to transmit in the AM mode. This reduces the effective radiated power to the order of 50 watts. This mode of transmission is necessitated by the inability of the Melbourne receivers to tune in the AN/GRC-106 when transmitting in the SSB mode.
6. MV 'JEPARIT' Circuit. During the last return voyage to contact was maintained with the JEPARIT from her departure from VUNG TAU until she entered NEWCASTLE harbour. On future voyages it should be no trouble to work schedules with JEPARIT provided official approval is obtained to work into a commercial radio station which JEPARIT is (HQ 1ALSG R195-1-1 of 11 Jan 68 to HQ AFV SUP DET 110 Sig Sqn R193-1-1 of 10 Jan 68 refer).

Comsec Det.

7. The Comsec Det was reconstituted this month at NUI DAT. It is currently deployed on operation COBURG.

Telephone.

8. ALSG Permanent Line System.
 - a. A limited amount of 25 and 50 pair cable was laid in the southern end of the area.

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- b. A temporary run of 12 pair cable has been put in to bypass a troublesome D10 snake.
9. Line Faults. The daily average number of faults during the month was six (6).
10. EMU Switchboard.
- a. New Subscribers. ELECTRON switchboard (102 Fd Wksp) was cut out during the month resulting in the connection of additional nine (9) subscribers to EMU. This has not noticeably increased the call rate on EMU.
- b. Switchboard Room. This room has been painted and many other minor improvements carried out during the month.
11. Training. Cpl Chaplin successfully completed the cable splicers course conducted by 40 Sig Bn (Constr) at LONG BINH. This now gives the detachment two qualified cable splicers.

TECHNICAL ASPECTS

Radio Relay.

12. The Radio Relay has continued to function well with no major outages being experienced. In addition a MRC-69 terminal was deployed in support of Operation COBURG.
13. The MRS SAIGON/VUNG TAU circuit was upgraded to 75 band working on 11 Jan 68. This has resulted in much more efficient traffic handling between these two stations.

Telegraph Channels.

14. Availability of the telegraph channels remained fairly high although somewhat lower than the December figures. This is attributed to:
- a. TD trouble on the TT 76s used on Saigon send due to the increased working speed.
- b. Shortage of OLC equipment here and at NUI DAT due to commitment on Operation COBURG coupled with a rash of unexpected breakdowns on 24 Jan. This caused two circuits, VUNG TAU/ NUI DAT and VUNG TAU/RAAF to be converted to simplex working. Despite this traffic handling times have not increased noticeably.

TECHNICAL MAINTENANCE

15. Equipment rotation for preventative maintenance proceeded smoothly until the shelter deployment on Operation COBURG. The rotation cycle will recommence after COBURG finishes.

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16. Approximately 5% of the equipment held by the detachment is inoperative due to lack of spare parts. A check of unfilled indents has been initiated and appropriate hastener action will be taken.
17. Indents have been submitted to considerably increase holdings of AN/TRC24 and associated equipment spares. A complete review of all spares holdings and a reorganization of the Cat B2 store is currently under way. Indents have also been submitted for enough coaxial cable to completely replace all existing AN/TRC24 feeders throughout the system.

OPERATION COBURG

18. General. Op COBURG is a TF size operation being conducted north of Route 1 in BIEN HOA Province. Because of the distance from VUNG TAU maintenance of the TF is being affected from LONG BINH except for items which are peculiar to Australian forces eg 9mm ammunition. The operation is still in progress.

19. Commitment. Currently deployed on the operation are:

- a. Two HF radio detachments.
- b. AN/MRC-69 (T) shelter.

20. Facilities provided by these detachments are:

- a. Secure RTT from LONG BINH to NUI DAT using HF radio.
- b. Five channels from Fwd TFMA to Free World Building in Saigon which then tie in to the normal in-theatre RR system.

Deployment.

MISCELLANEOUS

21. HF Radio. This operation was mounted at 36 hours notice. The requirement as presented initially by Comd IALSG was for secure telegraph from the TFMA to LONG BINH and from LONG BINH to VUNG TAU in that order. Equipment availability dictated that only one link could be provided and this was done. The HF backup detachment at NUI DAT was also utilised to give a telegraph circuit back to the rear because of the failure of the American system to provide the necessary circuit. This net operated as a directed net of voice changing to RTT as required. Once teething problems were overcome this net has operated flawlessly and proved to be somewhat of a lifesaver in the early stages of the operation.

22. Because of the inability of the Americans to provide satisfactory service the MRC 69 shelter was deployed on Day 4 of the operation. Once the equipment settled down after its helicopter ride from VUNG TAU, the circuit has operated to Saigon successfully with few problems.

23. Comment. Although the initial deployment was conducted in a somewhat unconventional manner the results have justified the means. The experience gained particularly by those in the HF radio detachments has been invaluable and will provide a firm foundation to build on in case similar deployments are required in future.

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24. Our equipment reserves have been strained almost to the limit by this operation but by means of a concerted effort by all concerned very little circuit time has been lost and traffic handling times have not noticeably increased. The enthusiasm displayed by those actually involved in the deployment and those supporting them from this end is a credit to them all and illustrates the capabilities of the Australian soldier when the chips are down and he has a real goal to strive at.

ADMINISTRATION

25. During January 1 members RTA and 6 replacements arrived.

26. The following numbers proceeded on R&R and R&C:

- a. R&R to Australia 7
- b. R&R to Singapore 2
- c. R&R to Hong Kong 2
- d. R&R to Taipei 1
- e. R&R to Bangkok -
- f. R&C 10

27. 2Lt D.R. Merrett arrived on 30 Jan to replace Lt M.R. Rowlands as OC Technical Troop.

MISCELLANEOUS


Major/Minor Works

28. RR Det VC Hill. A 500 gallon water tank and a gas-operated refrigerator were received for VC Hill. The refrigerator has already been installed and the tank is waiting for a stand to be built. Levelling of the area adjacent to the accommodation building has been completed to allow extensions to be made.

Sergeants Mess.

29. A function was held on 20 Jan 68 to officially open 110 Sig Sqn Sgts Mess. It was a most successful evening.

9 Feb 68


(J.C. Gordon)
Capt
OC

MONTHLY CIRCUIT DATA SUMMARY

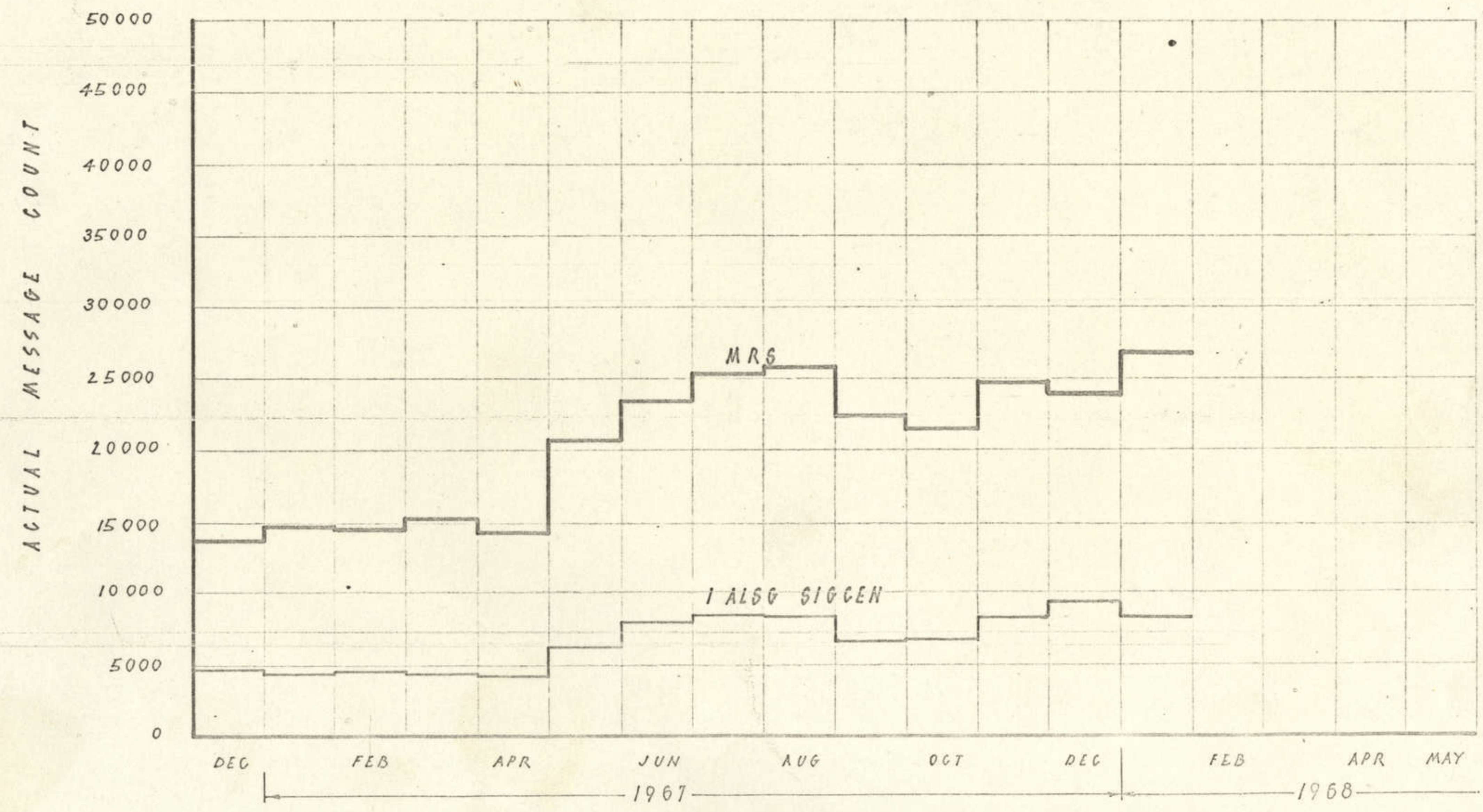
PERIOD 1 - 31 JAN 68

Appendix 1 to
Annex A
to 110 Sig Sqn
R723/4/1 dated Feb 68

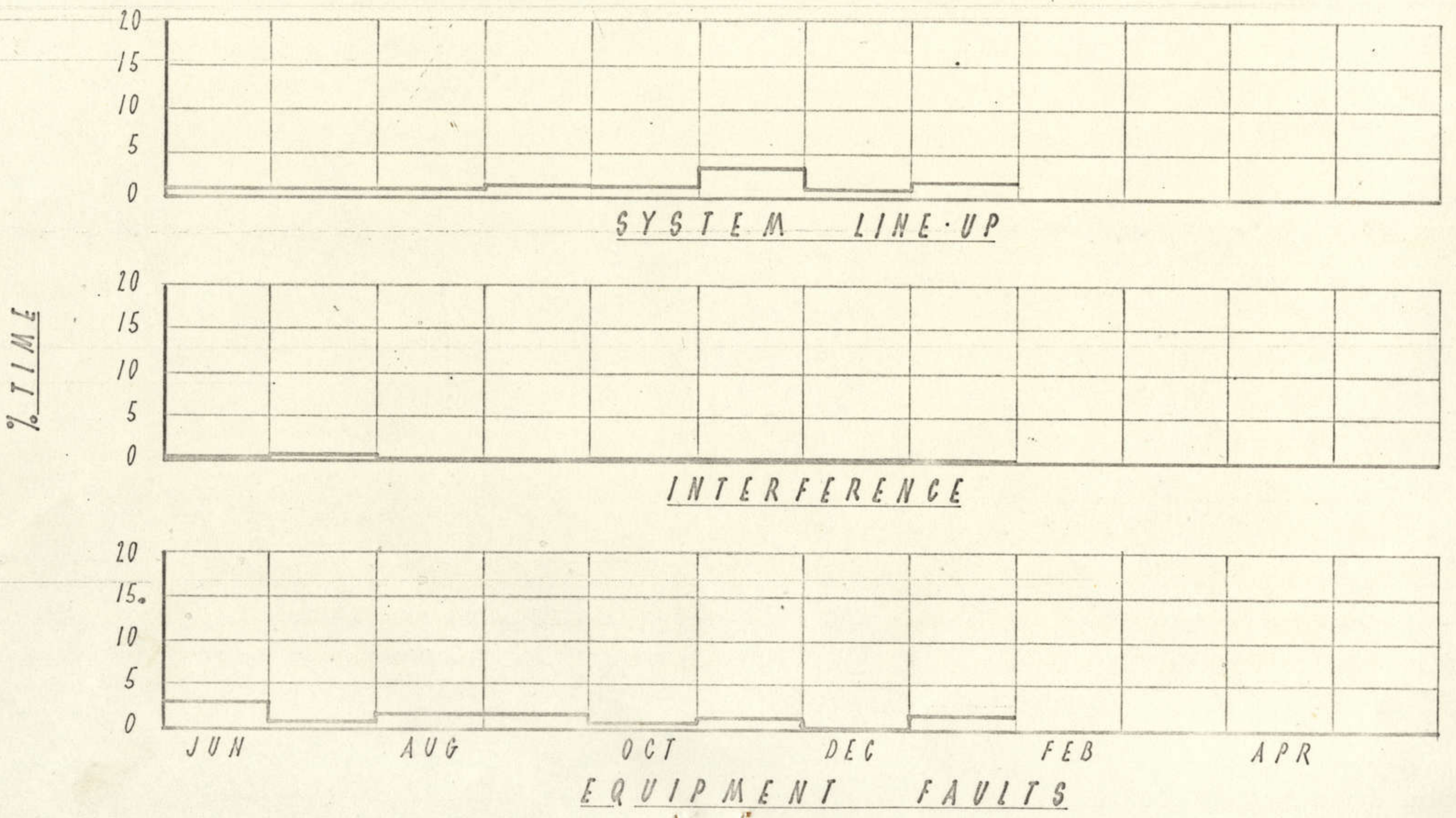
SERIAL	INFORMATION	NUI DAT/MRS	RAAF/MRS	1ALSG/MRS	MRS VTU/MRS SGN
1.	DETAILS	P,D, AUS/US	P,D, AUS/US	P,D, AUS/US	P,D, AMS/US
2.	PERCENTAGE SCHEDULE	92.1%	93.3%	95.6%	88.7%
3.	<u>TRAFFIC BREAKDOWN</u> <u>BY PRECEDENCE:</u>				
3a.	FLASH	NIL	2	NIL	NIL
3b.	IMMEDIATE	236	167	316	531
3c.	PRIORITY	1774	1466	2964	3810
3d.	ROUTINE	1706	1855	5289	6643
4.	TOTAL MESSAGES IN/OUT	3716	3490	8569	10984
5.	NUMBERS OF ZFX	10	32	22	307

NOTES: 1. P - PROTECTED D - DUPL X 2. ZFXs NOT INCLUDED IN TOTAL NUMBER
S - SIMPLEX US - UNITED STATES OF MESSAGES
AUS - AUSTRALIA

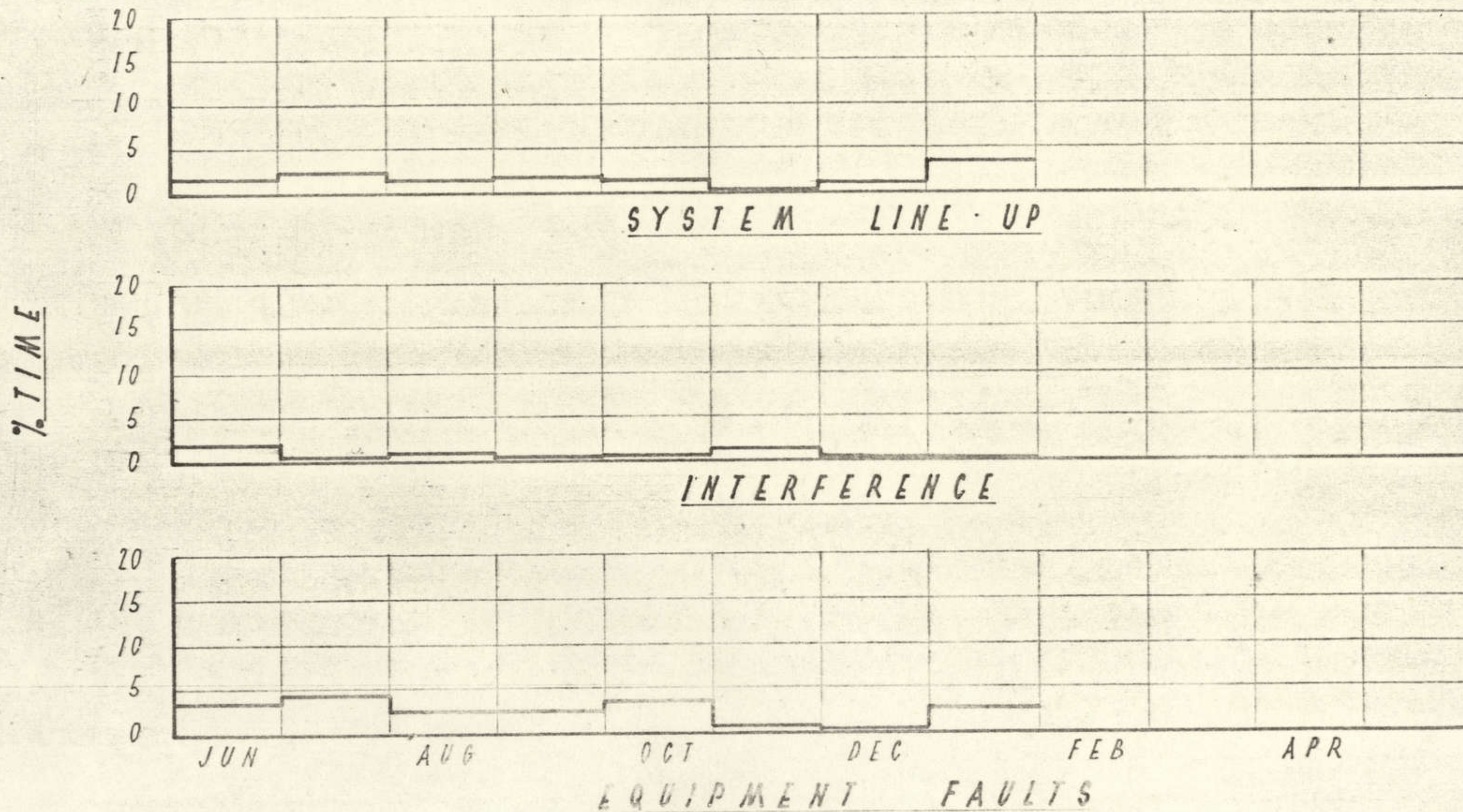
MONTHLY TRAFFIC
VUNG TAU MRS/SIGCEN



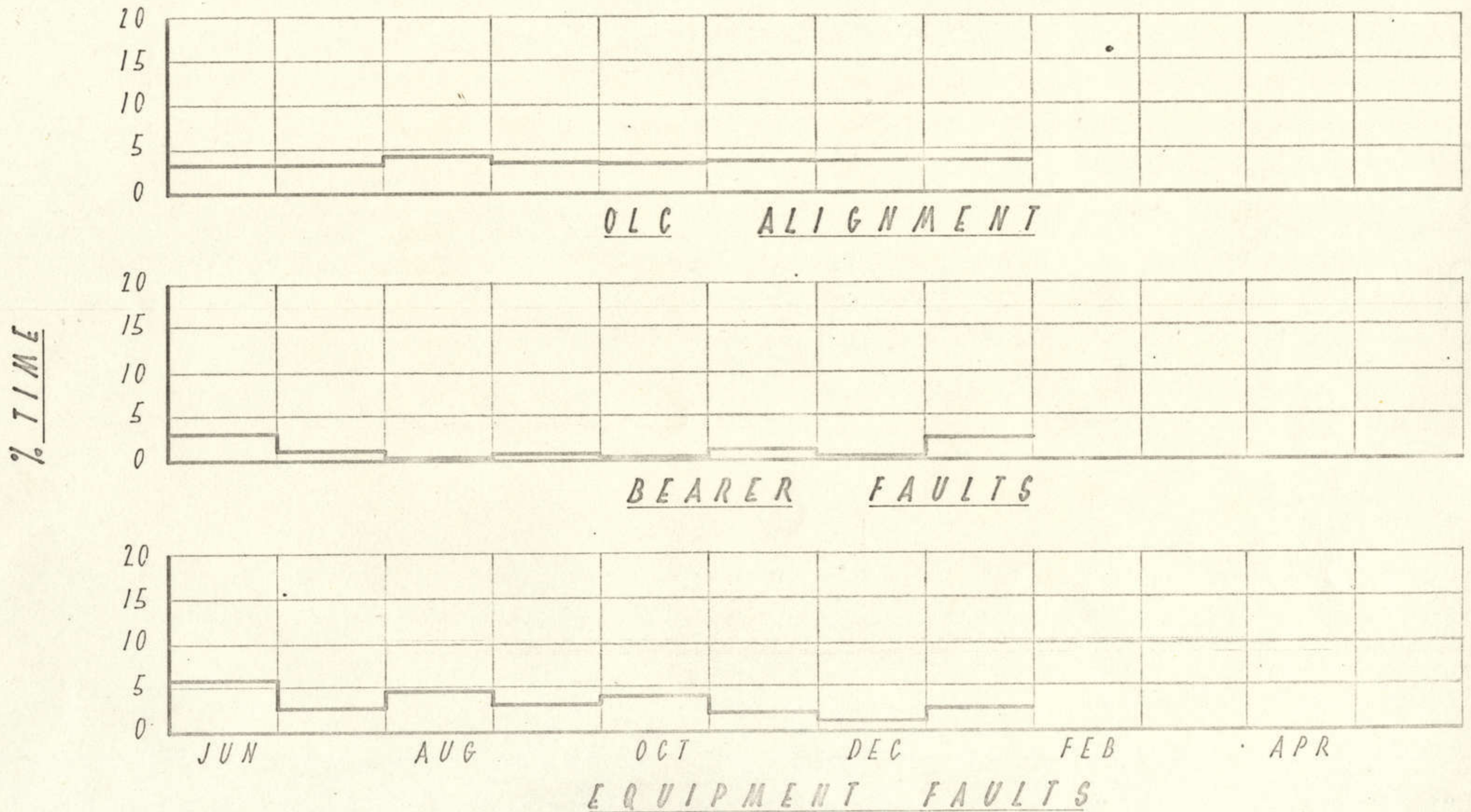
RADIO RELAY OUTAGES
VUNG TAU - TASK FORCE



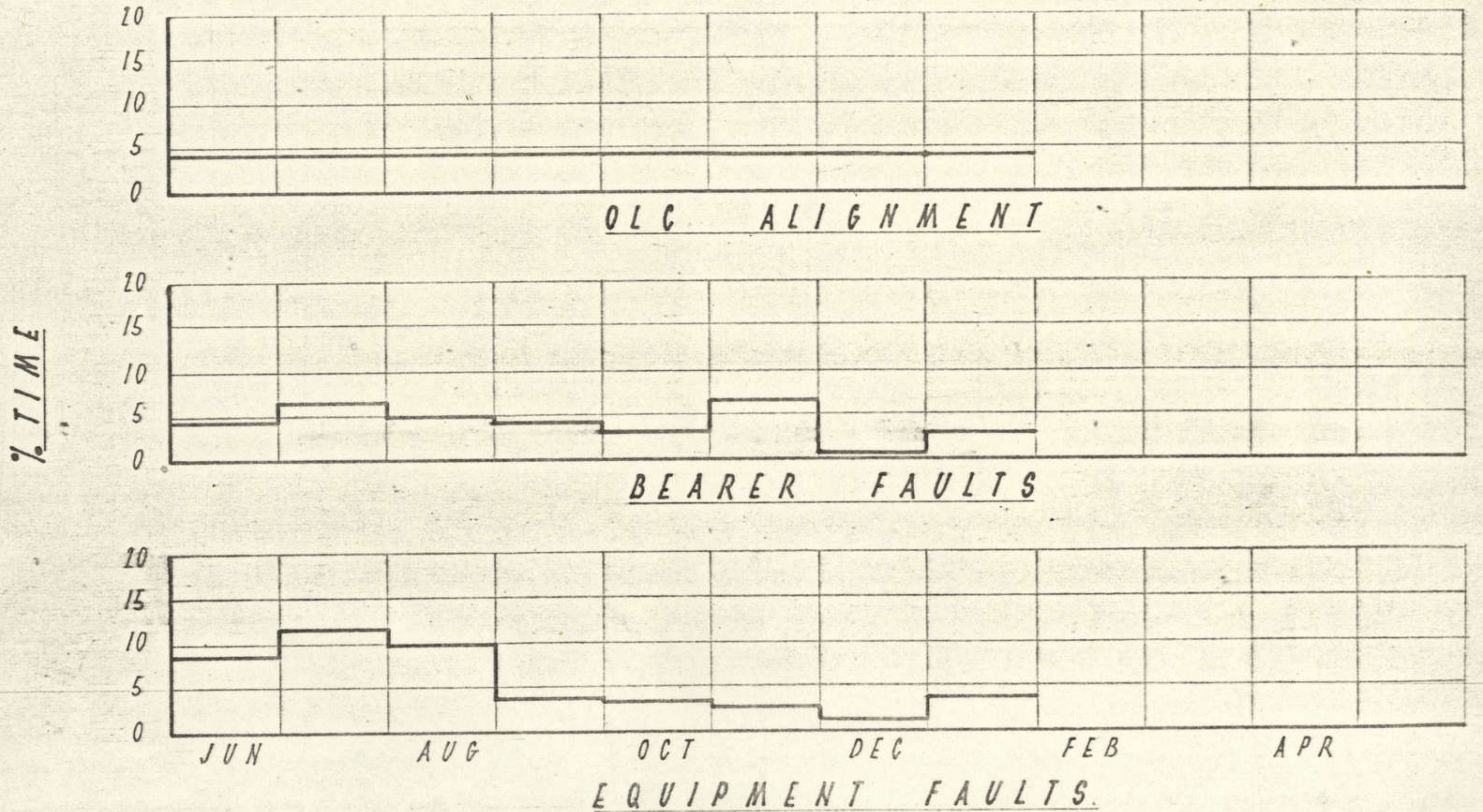
RADIO RELAY OUTAGES
VUNG TAU - SAIGON



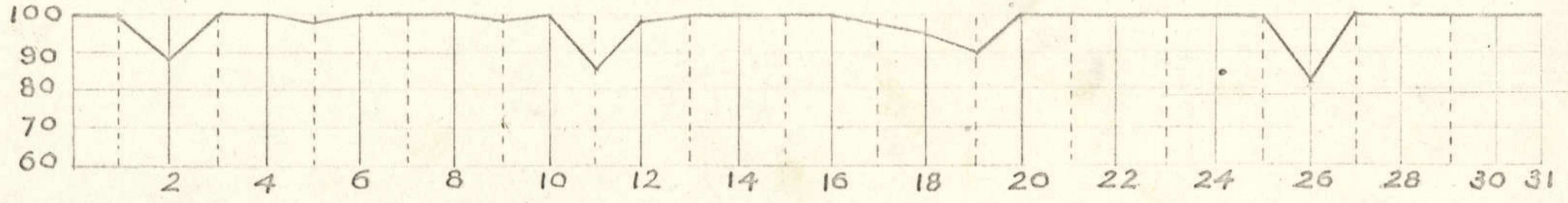
T R A F F I C O U T A G E S
V U N G T A U T A S K F O R C E



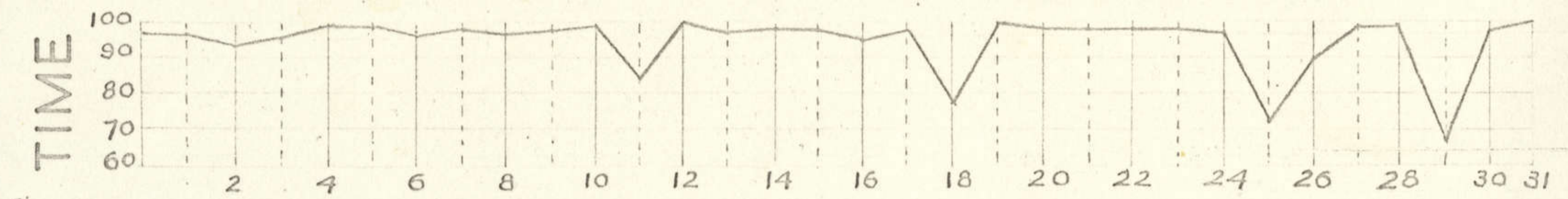
T R A F F I C O U T A G E S
V U N G T A U - S A I G O N



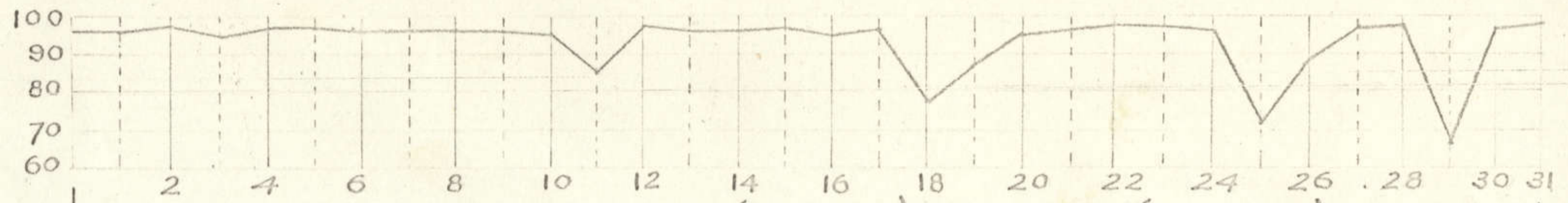
AVAILABILITY %



GSO 2 HQ AFV - IATF CP EXCLUSIVE VOICE CHANNEL



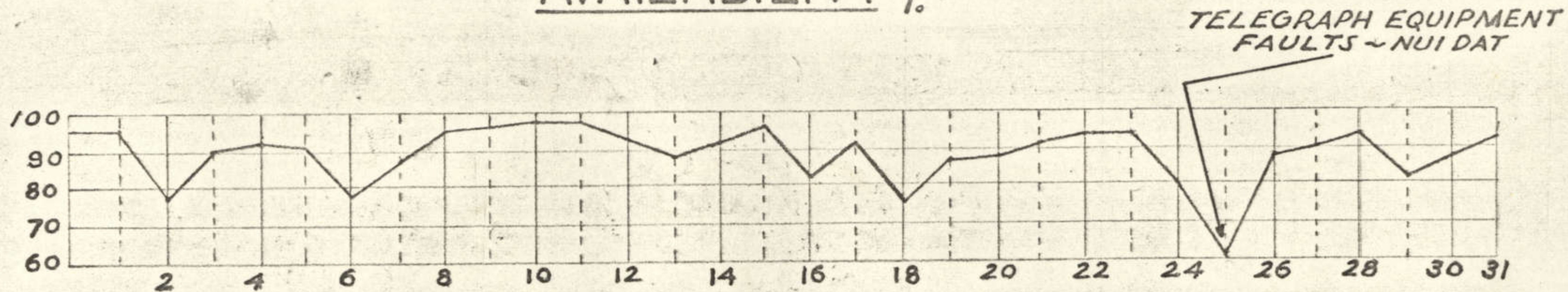
TELEPHONE TRUNKS DEER (HQ AFV) - EBONY (IATF)



TELEPHONE TRUNKS DEER (HQ AFV) - EMU (I ALSG)

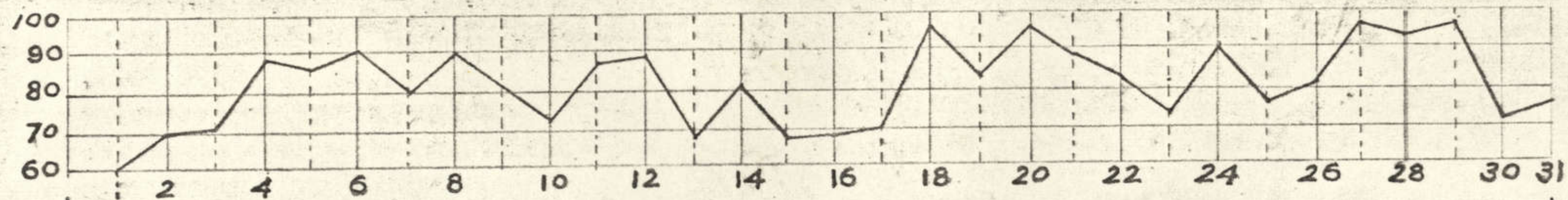
DAYS 1 TO 31

AVAILABILITY %



TELEGRAPH CIRCUIT AUSTCAN SAIGON ~ AUSTCAN NUI ~ DAT

% TIME



TELEGRAPH CIRCUIT AUSTCAN SAIGON ~ AUSTCAN WATSONIA

DAYS 1 TO 31

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Annex "B" to
110th Sig Sqn
R723-4-1
dated Feb 68

SAIGON DETACHMENT
110th SIGNAL SQUADRON
MONTHLY REPORT
JANUARY 1968

CONTENTS

1. GENERAL
2. COMMUNICATIONS
3. TECHNICAL ASPECTS
4. MISCELLANEOUS

APPENDICES

1. MONTHLY CIRCUIT DATA SUMMARY
2. TRAFFIC VOLUME - MAJOR RELAY STATION
3. TRAFFIC VOLUME - SIGNAL CENTRE
4. TRUNK TELEPHONE AVAILABILITY
5. CIRCUIT AVAILABILITY - SAIGON/NUI DAT
6. CIRCUIT AVAILABILITY - MELBOURNE/SAIGON
7. STATISTICAL DETAIL - MELBOURNE/SAIGON

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GENERAL

RECORDS

1. During the month, a photographer from PR section HQ AFV visited the Detachment for one day. 35mm colour slides were taken of the MRS, technical control, sigcen, transmitting and receiving sites. In addition a trip was made to Long Binh STRATCOM receiver station and several photographs of the Receiver Building interior and antenna field were also taken. These films have not yet been developed.

OLC ROOM

2. A rearrangement of available office accommodation has provided sufficient space for re-installation of Detachment Cipher equipment in a separate room. In addition, a technical maintenance area for cipher equipments was provided. Planning isto commence soon on the actual move and re-installation of the cipher equipment.

COMMUNICATIONS

MRS

3. Traffic. The traffic volume handled by the MRS for Jan 68 is shown in appendix 2.

4. Cipher Equipment. Since installation/operation in our new air-conditioned environment, faults on cipher equipment have been considerably reduced. Further, the testing and if possible, repair, of cipher equipment from within detachment resources has improved spares holdings and reduced repair times. During the month, six equipments were loaned to 104 Sig Sqn for the duration of an operation and one equipment to Vung Tau Det 110th Sig Sqn for extra commitments.

5. Sigcen. The traffic volume handled by the Sigcen for Jan 68 is shown in appendix 3.

6. Security Clearances. Personnel are still arriving in the Detachment without any notification of their security clearances. Difficulties due to this lack of information are apparent in the signal centre where OKC tradesmen cannot yet be fully employed. As a result, shifts in the signal centre have had to be reorganised but this is only a short term measure. Security clearances of OKC tradesmen are now urgently required.

7. Radio Relay. The detachment opened and operated a Radio Relay circuit to 1 ATF Fwd situated near Long Binh. After initial teething troubles were overcome and bedstead antennas erected the circuit settled and provided reliable service. Channels provided were:

- a. Simpson protected telegraph to the MRS
- b. Exclusive voice from 1 ATF Fwd to Nui Dat CP
- c. Trunk Telephone Channel 1 ATF Fwd to Ebony switchboard

TECHNICAL ASPECTS

8. Radio Relay. During the month, the Radio Relay system functioned well. Some deterioration has occurred in coaxial feeders and connectors and work is to commence on improving these. In addition an extra magnets

/trunk from Deer

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trunk from Deer switchboard to Emu switchboard and also to Ebony switchboard became available. Wiring is now completed but cutover has not yet been carried out due to other commitments which occurred. Testing of these new trunks is to take place within two days.

9. HF Radio. The GRC-106 equipments provided as back-ups for other circuits were successfully tested on reception of the Melbourne transmission. These equipments now form an emergency reserve and proved quite successful in the latter part of the month during the TET troubles in Saigon.

MISCELLANEOUS

10. Transmitter Building. Detailed planning of the new installation is nearing completion and building specifications produced by engineers was checked and found satisfactory.

11. Receiver Station. Planning on the installation at Long Binh is now complete and the transfer of equipment and commencement of installation will commence soon.

14 Feb 68

R. Eather
(R.F. EATHER)
Capt
OC

CONFIDENTIAL

DAILY CIRCUIT AVAILABILITY - MELBOURNE

1 - 31 JAN 68

Date	IN					OUT							
	Available	Outages					Available	Outages					
1	10.1	QSB 6.1	RLU 3.9	QRM 1.5	RD .1	10.5	RLU 6.6	QSB .4	OC 1.1	OA .8	RD .1	TL .7	QRM 3.8
2	16.8	TD 1.0	QSB 2.5	TL .8	OC 1.4	QRM .6	TD .2	16.5	TL .7	TD .2	HE .3	RLU 3.8	QSB 1.1
3	17.1	QRM 2.3	OA .5	RLU 1.0	QSB .6	ZGN 2.5	17.3	RLU 3.7	HE .7	OA .5	QRM 1.0	QRM .3	QSB .5
4	21.1	OA .6	QRM .8	OC .2	RLU 1.3	21.3	OA .6	QRM 1.5	RLU .6	21.5	RLU 1.3	QSY .5	OA .4
5	20.8	QRM .7	TD .2	QSB .1	RL .2	RLU .8	21.5	OA .4	QSB .3	RLU .8	ZGN .2	QRM .1	TD .5
6	21.7	QRM .4	TD .5	OA .9	RLU .1	RD .4	21.5	RLU .8	ZGN .2	QRM .1	TD .5	OA .9	
7	19.4	OC .9	OA 1.0	QRM 2.7	19.4	OC .1	RLU 3.6	OA .9					

Day	IN				OUT			
	Available	Outages			Available	Outages		
8	21.8	OA .4 OC 1.6 RLU .2			21.8	OA .4 RLU 1.6 OL .2		
9	19.6	RCD 2.6 OA .7 QSB .3	Q .3 OC .5		22.5	OA .7 QSB .3 RLU .5		
10	17.6	OA 1.4 QRM .2 RLU .7	QRN 1.8 HE .6 QSB 1.7		14.0	OA 1.7 QRM 5.3 RL .4	RLU 2.6 RD .3	
11	20.9	OC .1 OA .4 QSB 1.1	RLU .6 TL .5 QRN .4		19.0	RLU 1.1 TL .3 QRN .4	OA .4 OC .1 QRM 2.5	QSB .2
12	19.0	QRM .7 QSB .9 OA .6	RLU 2.8		19.5	OA .5 RLU .8 RCL .1	QSB 2.7 QSY .4	
13	16.2	QRM 2.0 QRN .3 OA .5	QSB 5.0		23.7	RLU .1 OA .2		
14	19.5	QRM 2.8 OA .8 RLU .1	QRN .8		20.6	RLU 2.5 OA .8 OL .1		

Day	IN			OUT		
	Available	Outages		Available	Outages	
15	15.9	RLU .6 OC 2.3 QSY .7	OC QRM 4.1 TI .1	17.1	ZGN .6 CA 2.1 RLU 2.1	QSY 1.2 OC .9
16	16.3	QRM .5 RLU 3.7 HF .2	OA .4 OC .5 QRM 2.4	17.3	RLU 1.1 ZGN 3.0 OD .5	OA .4 TL .6 QRM .5 QSB .6
17	16.9	QSB 4.8 OA .4 QRM 1.7	OC .2	20.3	RLU 3.1 OA .6	
18	23.1	RLU .3 OA .6		23.0	OA .9 RCD .1	
19	20.0	RLU 2.1 OC .2 QSB 1.4	OA .3	18.6	OA .4 TD .2 OC 2.8	QSB .7 RD 1.3
20	23.1	QRM .8 OA .1		23.3	RLU .6 OA .1	
21	21.5	RD .1 OC .1 RL .4	OA .2 QSB .1 QRM 1.6	23.3	OC .1 RLU .4 OA .2	

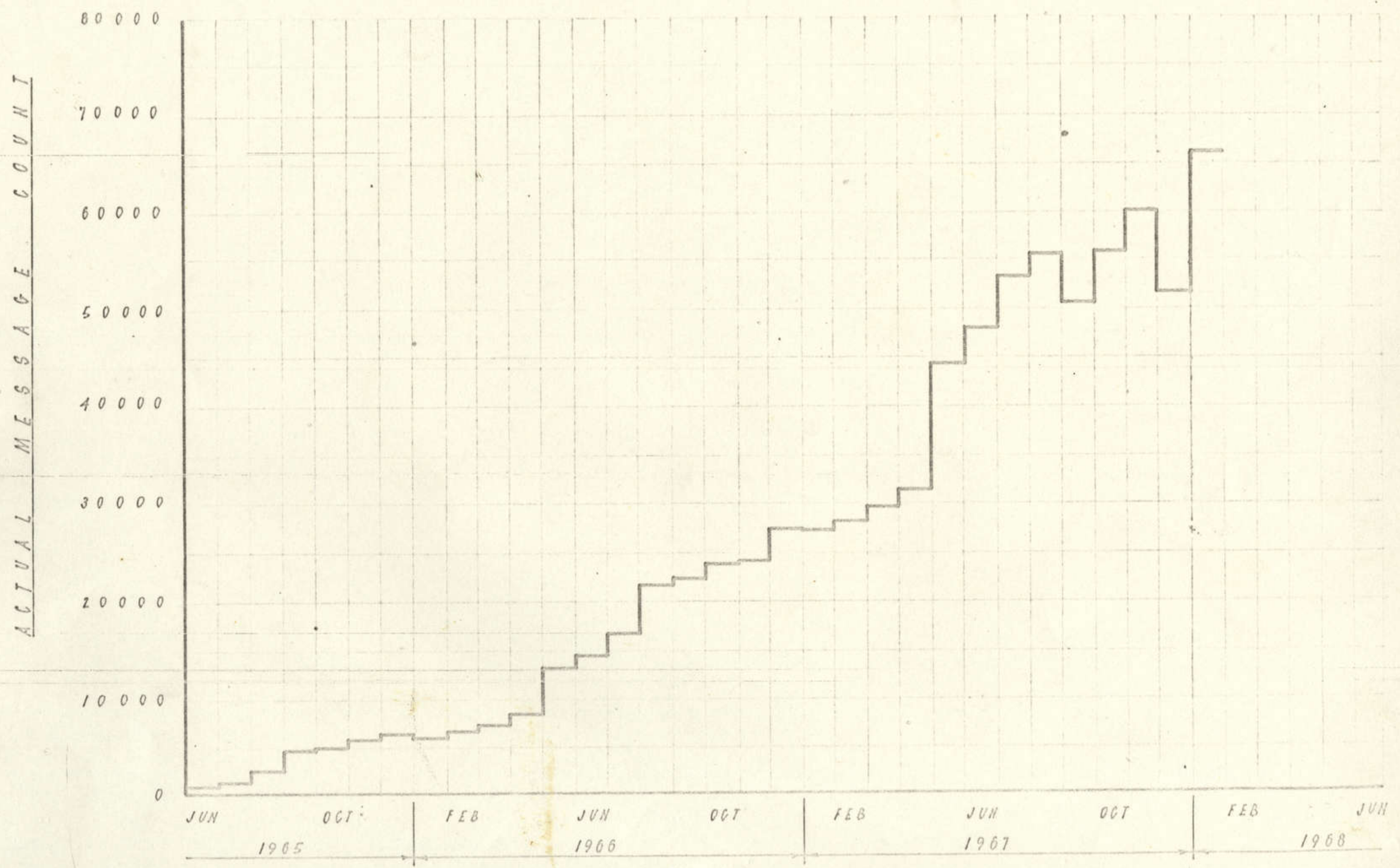
Date	IN			OUT		
	Available	Outages		Available	Outages	
22	19.8	QRM .3 RLU 2.3 QSB .7	HE .5 OA .4	19.6	QRM 2.4 QSB .3 TD .3	RLU 1.0 OA .4
23	17.7	QFM 2.9 OA .4 TD 1.0	RLU 2.0	16.2	RLU 1.8 OA .7 TD 2.6	TL .4 QFM 2.3
24	20.9	RLU .7 QSB .3 QRN 1.2	TD .2 OA .7	20.2	OC 1.2 OA .6 QSB .1	QS .3 TD .3 RLU 1.3
25	18.0	OC 2.9 CA .3 QSB .9	RLU 1.7 HE .1 QRN .1	18.2	RLU 3.8 OC 1.2 OA .3	TD .5
26	19.6	QRM 3.0 RL .9 CC .3	CA .2	21.2	HE 2.2 HE .2 OC .2	OA .
27	23.1	OC .2 QFM .6 OA .1		23.7	TL .2 OA .1	
28	22.4	QRM 1.4 CA .2		23.4	OA .2 TD .4	

Day	IN			OUT		
	Available	Outages		Available	Outages	
29	23.1	OC .7 OA .2		22.7	TD .4 RLU .4 OC .3	OA .2
30	17.1	QSB .3 QRN 1.3 RD .2	CC 1.6 RLU .4 OA 3.1	19.6	QSB .3 OA 2.6 RLU .7	TD .4 RCL .4
31	18.3	RCL .5 QSY 1.4 E .6	OA .5 QSB .3 OC .6	19.0	TD 1.0 QRN .5 QRM .3	RCL 1.9 E .2 QSY .4

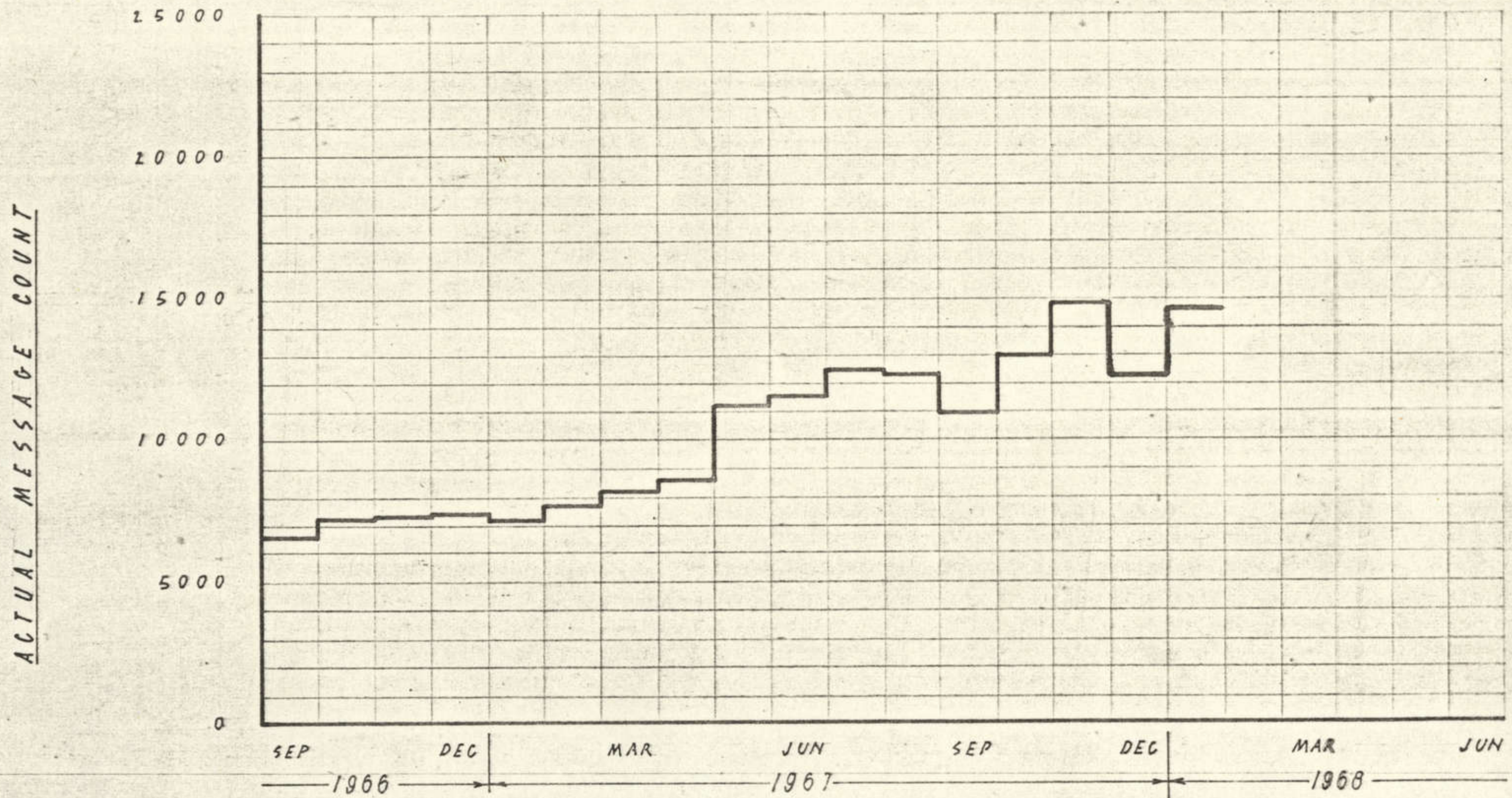
HOURS SCHEDULED : 744.0
HOURS AVAILABLE : 598.0
AVAILABILITY : 80.4%

HOURS SCHEDULED : 744.0
HOURS AVAILABLE : 615.8
AVAILABILITY : 82.5%

TRAFFIC VOLUME — MAJOR RELAY STATION SAIGON



TRAFFIC VOLUME — SIGNAL CENTRE SAIGON



File: R333-2-1 (1)

110 SIGNAL SQUADRON
WEEKLY STRENGTH RETURN

AS AT 2359 HRS TUES .2. JAN. 68.

OFFICERS				WO'S			RANK AND FILE						TOTAL ALL RANKS	
Maj	Capt	Lt	TOTAL	WO1	WO2	TOTAL	Ssgt	Sgt	Cpl	Lcpl	Sigs	TOTAL		
1	4	3	8	4	4	8	4	23	60	20	129	236	252	ESTABLISHMENT
1	4	3	8	1	6	7	4	21	39	12	110	186	201	POSTED STRENGTH
-	-	-	-		2	2	-						2	SURPLUS
-	-	-	-	3	-	3	-	2	21	8	19	50	53	DEFICIENCIES

J. Otkone Capt 1st
Maj
OC 110 Sig Sqn

3 JAN 1968

SURPLUS

1344	Sgt	A.J. COTTERELL	NO VACANCY
61511	Sgt	J.R. McKENNER	" "
3788445	Sig	B.H. SNELL	" "

DEFICIENCIES

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ATTACHMENTS

LOCAL

32117	Lt	M.D. BURKE	HQNZAF
38548	Sgt	P. EARSMAN	HQNZAF
106374	Cpl	K.A. GARWOOD	HQNZAF

AHQ

36311	Ssgt	F.D. BARNES
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File: R333-2-1 (2)

110 SIGNAL SQUADRON
WEEKLY STRENGTH RETURN

AS AT 2359 HRS TUES . .9 JAN .68

OFFICERS				WO'S			RANK AND FILE						TOTAL ALL RANKS	
Maj	Capt	Lt	TOTAL	WO1	WO2	TOTAL	Ssgt	Sgt	Cpl	Lcpl	Sigs	TOTAL		
1	4	3	8	4	4	8	4	23	60	20	129	236	252	ESTABLISHMENT
1	4	3	8	1	6	7	4	21	41	26	109	201	216	POSTED STRENGTH
					2	2				4		4	6	SURPLUS
				3		3	2	19			20	41	44	DEFICIENCIES

J. Dickson Cantlon
Maj
OC 110 Sig Sqn

SURPLUS

1344	Sgt	A.J. COTTRELL	No Vacancy
61511	Sgt	J.R. McKenner	No Vacancy
378845	Sig	B.H. Snell	Rep in Theatre
2786670	Sig	J. Francis	No Vacancy
38414	Sig	D.S. Anderson	Rep in Theatre
2783804	Sig	S.I. Rose	Rep in Theatre
216371	Cpl	P.H. Blackwell	Rep in Theatre

DEFICIENCIES

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ATTACHMENTS

LOCAL

32117	Lt	M.O. Burke	HQNZAF
38548	Sgt	P. Earsman	HQNZAF
100374	Cpl	K.A. Garwood	HQNZAF
36311	Ssgt	F.D. Barnes	HQAFV

AHQ

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File: R333-2-1 (3)

110 SIGNAL SQUADRON
WEEKLY STRENGTH RETURN

AS AT 2359 HRS TUES 16 Jan 68.

OFFICERS				WO'S			RANK AND FILE						TOTAL ALL RANKS	
Maj	Capt	Lt	TOTAL	WO1	WO2	TOTAL	Ssgt	Sgt	Cpl	Lcpl	Sigs	TOTAL		
1	4	3	8	4	4	8	4	23	60	20	129	236	252	ESTABLISHMENT
1	4	3	8	1	6	7	4	22	40	22	106	197	209	POSTED STRENGTH
					2	2				2		2	4	SURPLUS
				3		3		1	20		23	44	47	DEFICIENCIES

J. Vokes
Maj
OC 110 Sig Sqn

SURPLUS

1344	Sgt	A.J. COTTERELL	No Vavancy
61511	Sgt	J.R. McKENNER	" "
2786670	Sig	J. FRANCIS	" "
38414	Sig	D.S. ANDERSON	Rep in Theatre

DEFICIENCIES

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ATTACHMENTS

LOCAL

32117	Lt	M.O. BURKE	HQNZAF
38548	Sgt	P. EARSMAN	"
100374	Cpl	K.A. GARWOOD	"
36311	Ssgt	F.B. BARNES	HQAFV

AHQ

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File: R333-2-1 (4)

110 SIGNAL SQUADRON

WEEKLY STRENGTH RETURN

AS AT 2359 HRS TUES .23.Jan.68

OFFICERS				WO'S			RANK AND FILE						TOTAL ALL RANKS	
Maj	Capt	Lt	TOTAL	WO1	WO2	TOTAL	Ssgt	Sgt	Cpl	Lcpl	Sigs	TOTAL		
1	4	3	8	4	4	8	4	23	60	20	129	236	252	ESTABLISHMENT
1	4	3	8	1	6	7	4	22	40	21	109	196	211	POSTED STRENGTH
					2	2				1		1	3	SURPLUS
				3		3		1	20	20	20	41	44	DEFICIENCIES

J. Vickme Cantlon
 Maj
 OC 110 Sig Sqn

SURPLUS

13444	Sgt	A.J. COTTERELL	NO VACANCY
61511	Sgt	J.R. MCKENNER	" "
2786670	Sig	J. FRANCIS	" "
38414	Sig	D.S. ANDERSON	" "
(Replacement in Theatre)			

DEFICIENCIES

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ATTACHMENTS

LOCAL

32117	Lt	W.C. BURKE	HQNZAF
38548	Sgt	P. EARSMAN	HQNZAF
100374	Cpl	K.A. GARWOOD	HQNZAF
36311	Ssgt	F.B. BARNES	HQAFV

AHQ

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In reply please quote: R1-3-3

Annex D to
 AFV Administrative Instruction 19/
 (Revised Dec 67)
 Dated 31 Dec 67

HQ AUSTRALIAN MILITARY FORCES VIETNAM
RETURNS (SPECIAL) - WEEKLY STRENGTH RETURN

UNIT...110.SIG.SQN.....
 PROFORMA No 2

"As at 2359 Hrs Tues...30 Jan 68.....
 (This return to be lodged to reach DAAG HQ AFV by 100 hrs Thurs of each week)

OFFICERS			WO's			RANK AND FILE										TOTAL ALL RANKS	DETAIL
Maj Gen	Brig	Lt Col	Maj	Capt	Lt	Total	WO1	WO2	Total	SSgt	Sgt	Cpl	Lcpl	Ptes	Total		
-	-	-	1	4	3	8	4	4	8	4	23	60	20	129	236	252	USFR
			1	5	4	10	1	6	7	4	21	39	21	109	194	211	POSTED SQN
				1	1	2		2	2				1		1	5	SURPLUS
							3		3		2	21		20	43	46	DEFICIENCIES

J. Dickson Cantlo
Maj
 OC 110 Sig Sqn

SURPLUS

ECN	ARMY No	RANK	NAME	REMARKS
-	235262	Capt	R MORRISON	Replacement in theatre
-	43718	2Lt	M R ROWLANDS	"

DEFICIENCIES

APPT/POSTING	ECN	RANK	REMARKS

ATTACHMENTS

LOCAL

ARMY No	RANK	NAME	PARENT UNIT
38548	Sgt	P. EARSMAN	HQNZAF
100374	Cpl	KA. GARWOOD	HQNZAF
36311	SSgt	FD. BARNES	HQ AFV

AHQ

ARMY No	RANK	NAME	PARENT UNIT