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BYEMAN-TALENT-KEYHOLE

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NAVY SPACE PROJECT OFFICE
~~(S)~~-NATIONAL RECONNAISSANCE OFFICE, PROGRAM C
WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

PME-106-43

20 SEP 1973

MEMORANDUM FOR THE DIRECTOR, NRO STAFF (SS4, SS4A AND SS7)
DIRECTOR, NATIONAL SECURITY AGENCY (W2 AND R24)
DIRECTOR, CENTRAL INTELLIGENCE AGENCY (OSI)
COMMANDER, NAVAL SECURITY GROUP
CHIEF OF NAVAL OPERATIONS (OP094W)
DIRECTOR, NAVAL RESEARCH LABORATORY (1000 AND 7030)

Subj: Technical Operations Group (TOG) Meeting; report of

Encl: (1) Agenda
(2) List of Attendees
(3) Minimum Daily Voltage Plot
(4) Collection Highlights

1. A POPPY TOG meeting was held at the Naval Research Laboratory on 30 August 1973 at 0930. The agenda and a list of attendees are forwarded as enclosures (1) and (2).

2. The following specific items were discussed:

a. 7107 Status: (NRL)

The status of the satellites is stable even though their orbit is now oriented so that a minimum sun exposure is being experienced (see enclosure (3)). The fluctuations in minimum daily voltage are more pronounced when minimum sun charging exposure is being experienced.

The current collection task groups, designed to draw about 500 ma, are being used without problem and should serve for the foreseeable future. The only time that power level degradations are seen now is when several ground sites task/collect on the same orbit(s).

Related discussion on the reaction wheels, which were secured to conserve power, ensued. The position was restated that the reaction wheels will only be reactivated for thrusting to maintain correct pair spacings (see minutes of previous meetings for additional detail on reaction wheels and power level issues).

b. Collection Highlights: (NSG)

Enclosure (4) was presented by the NSG representatives.

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PME-106-43

Subj: Technical Operations Group (TOG) Meeting; report of

c. Engineering Evaluation: (NRL).

In the anticipated rotation of the engineering evaluations among ground stations, [] is next. Current plans are to perform this evaluation there on 14 and 15 November 1973. It is estimated that two days will be required. Firm plans will be discussed at the next TOG meeting.

d. Transition at [] (SPO)

Since the previous TOG meeting, planning for [] has firmed so that the following POPPY interruptions are anticipated:

Feb. 74 - 10 days inoperative while equipment is moved to one room, freeing the remainder of the building for MILCON, with adequate security shielding.

Aug. - Sep. 74 - 60 days inoperative while interior building renovation is being accomplished. After this period POPPY equipment will be reinstalled in a separate space and will continue operations.

Plans for transition at [] becoming more firm and a status will be reported at the next TOG meeting. Only [] are affected by MILCON for [] sites will be configured for [] only as new sites.

3. The next TOG meeting will be hosted by NSG on 27 September 1973.



R. K. GEIGER

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Approved for Release: 2024/06/14 C05026408

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AGENDA

7107 Status

Collection Highlights

Engineering Evaluation

Transition at

Enclosure (1) to BYE-59819/73

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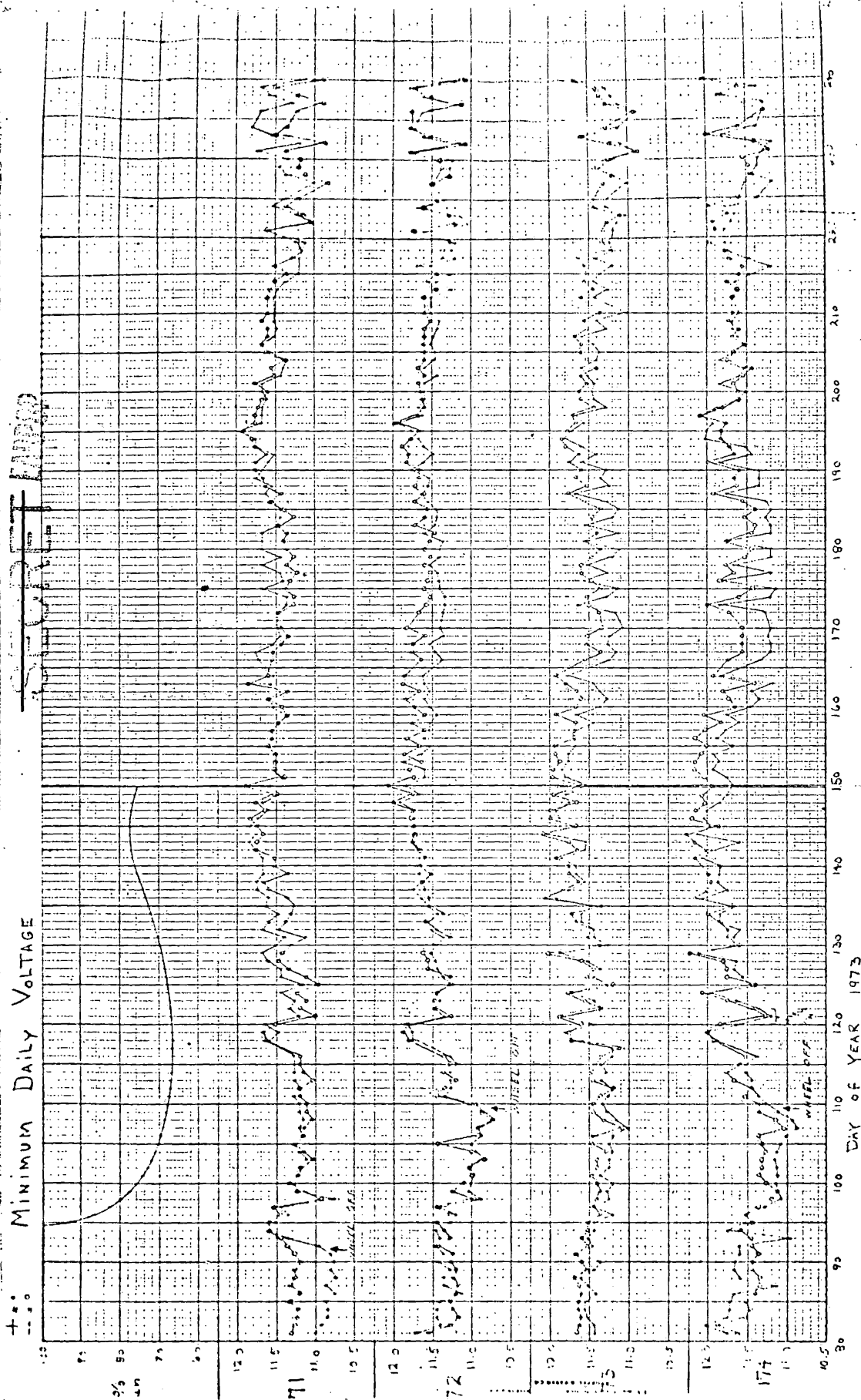
LIST OF ATTENDEESSPO:

LT Potts

SOC: NSG: OPNAV: NRL: Mr. T. Lawton
Mr. E. FrankovicNSA:

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Enclosure (2) to BYE 00910.73Page 1 of 1 Pages
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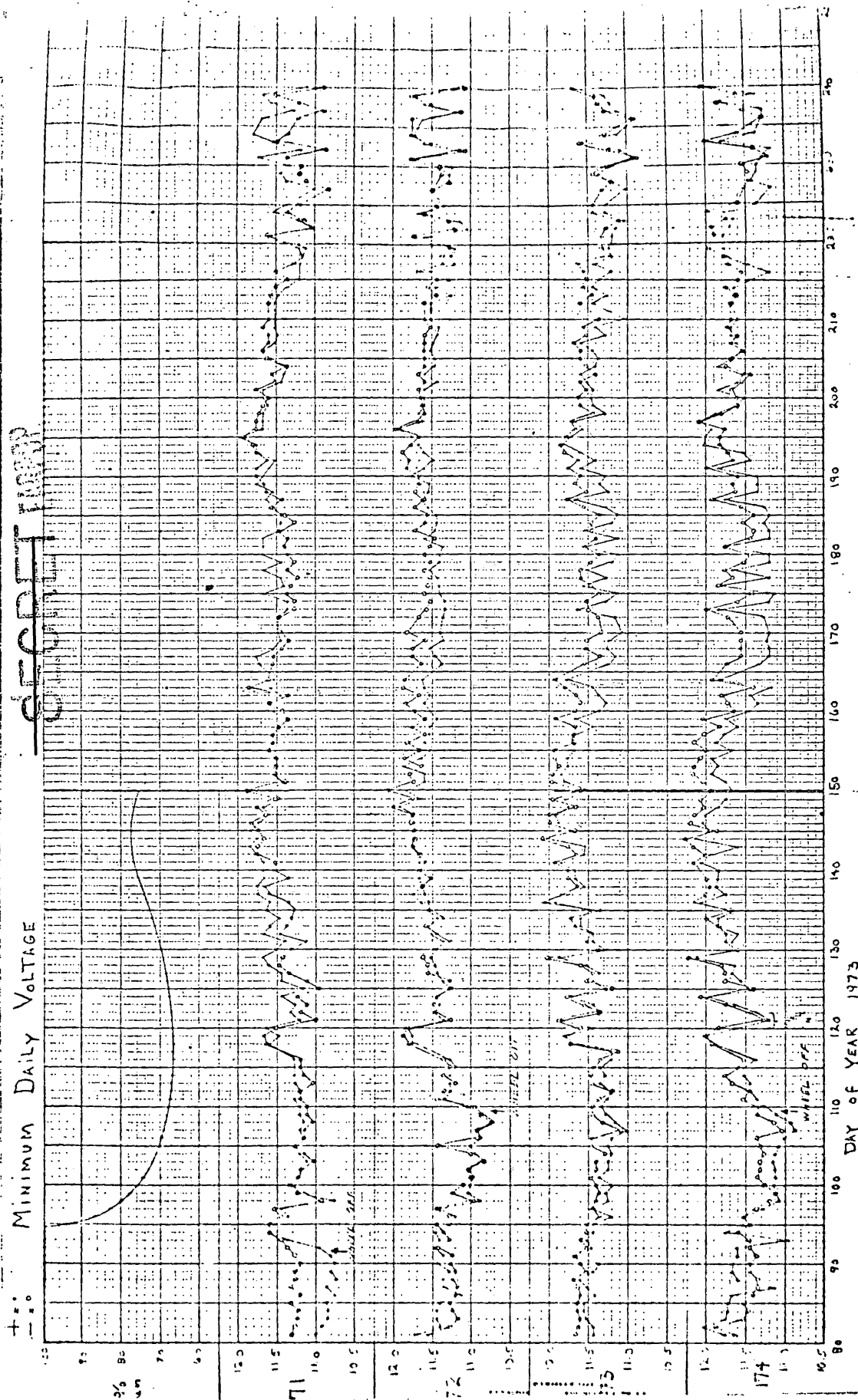


Enclosure (3) to BYE -59819/73

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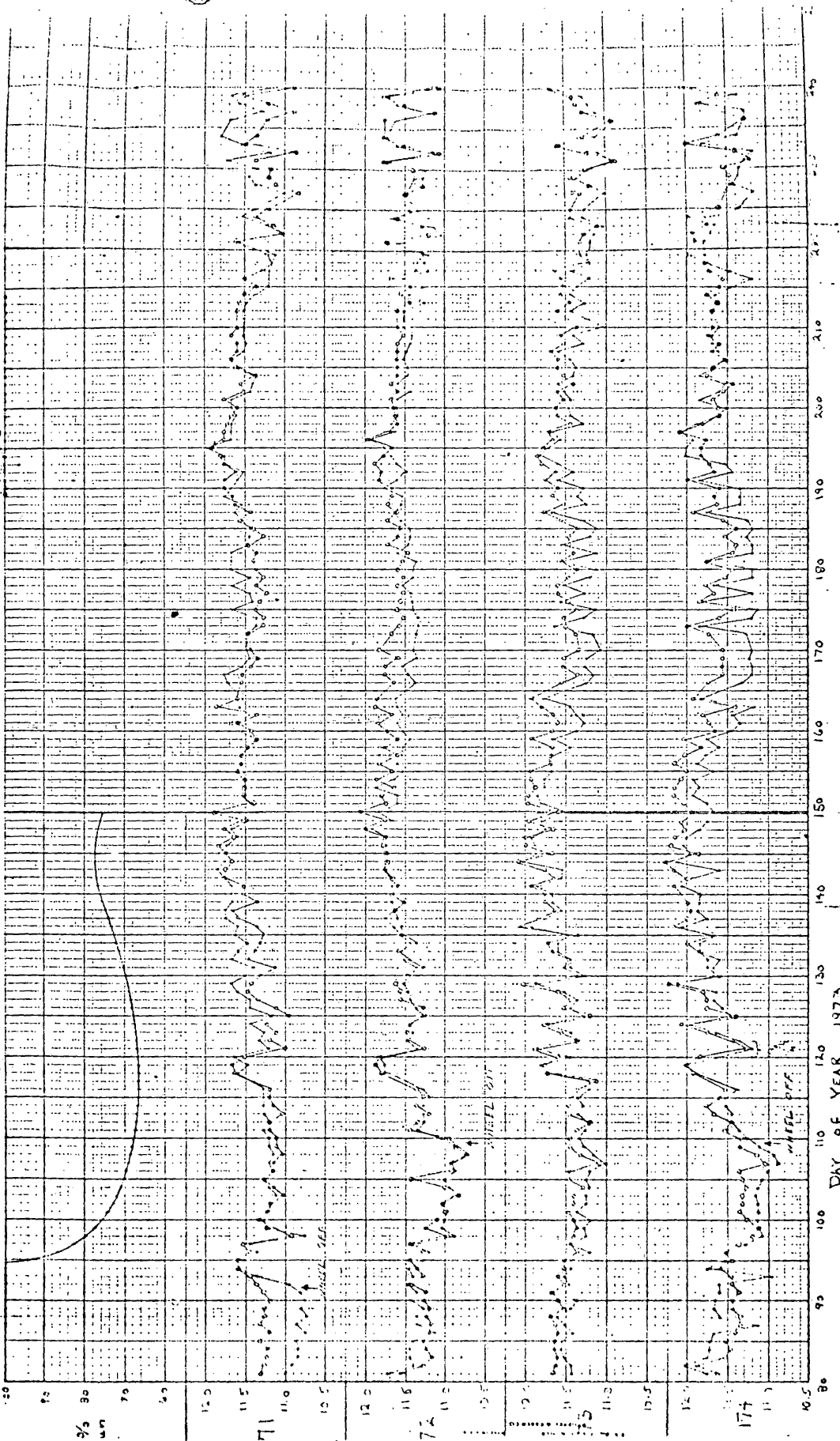
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MINIMUM DAILY VOLTAGE

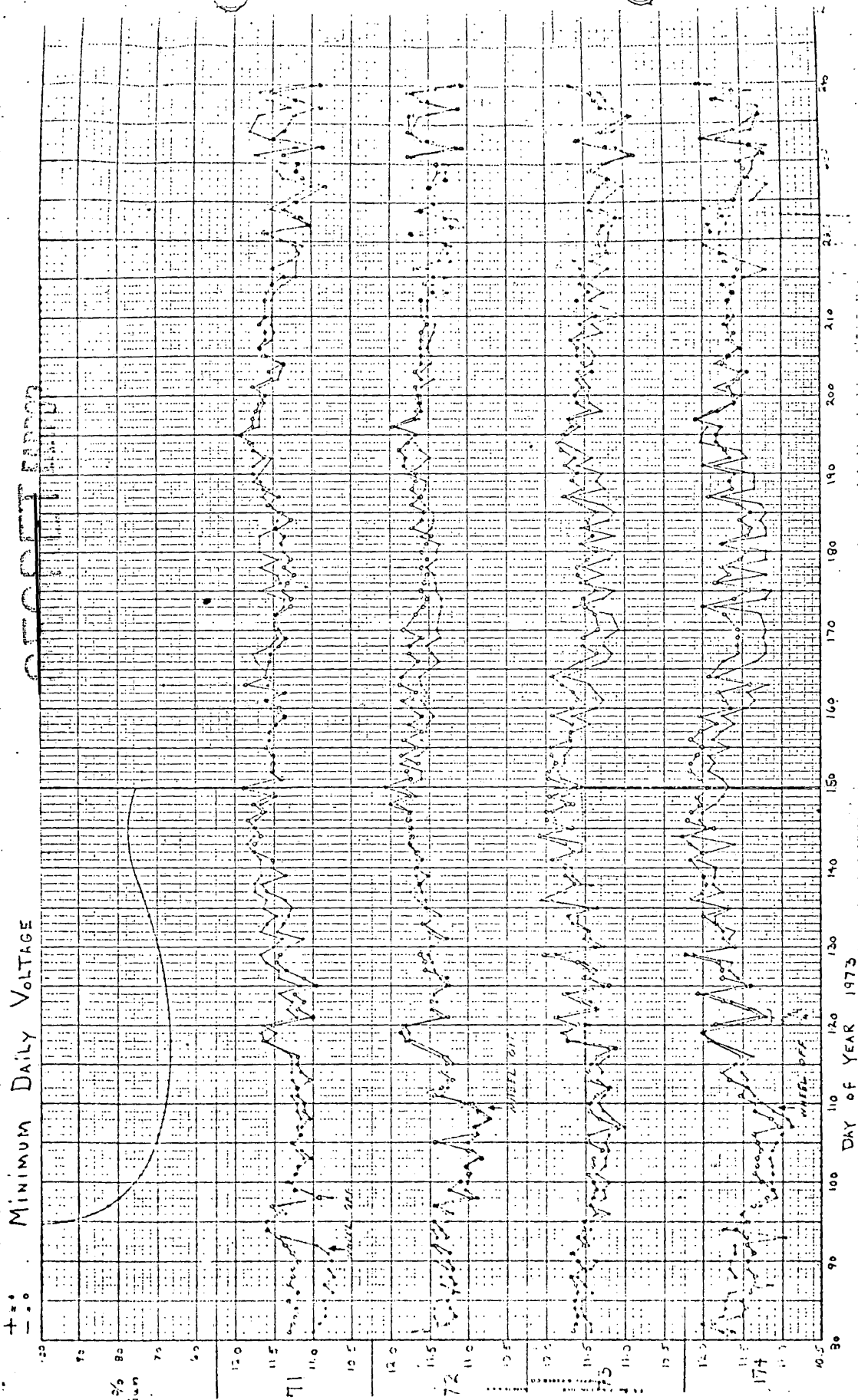
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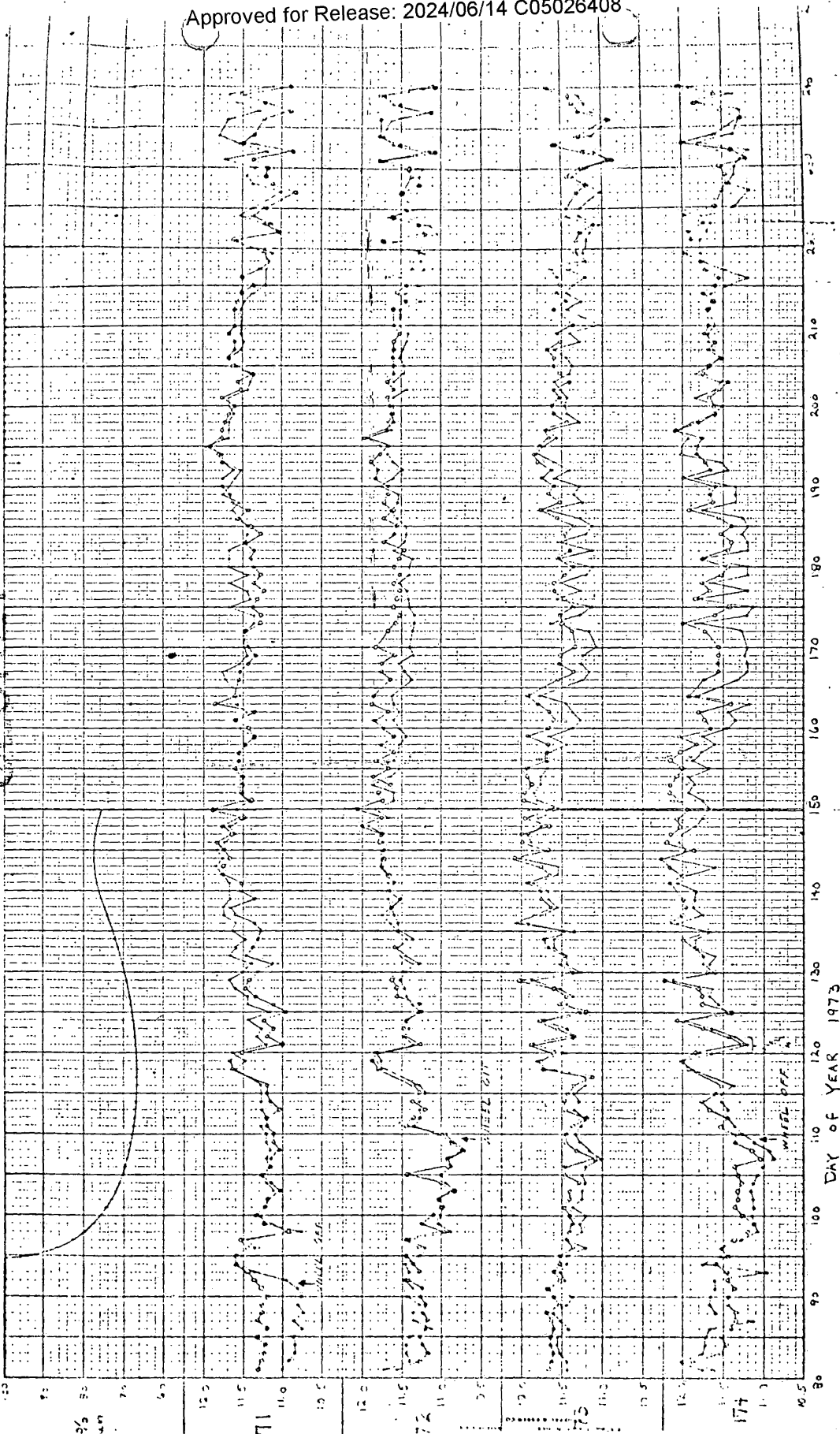
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MINIMUM DAILY VOLTAGE

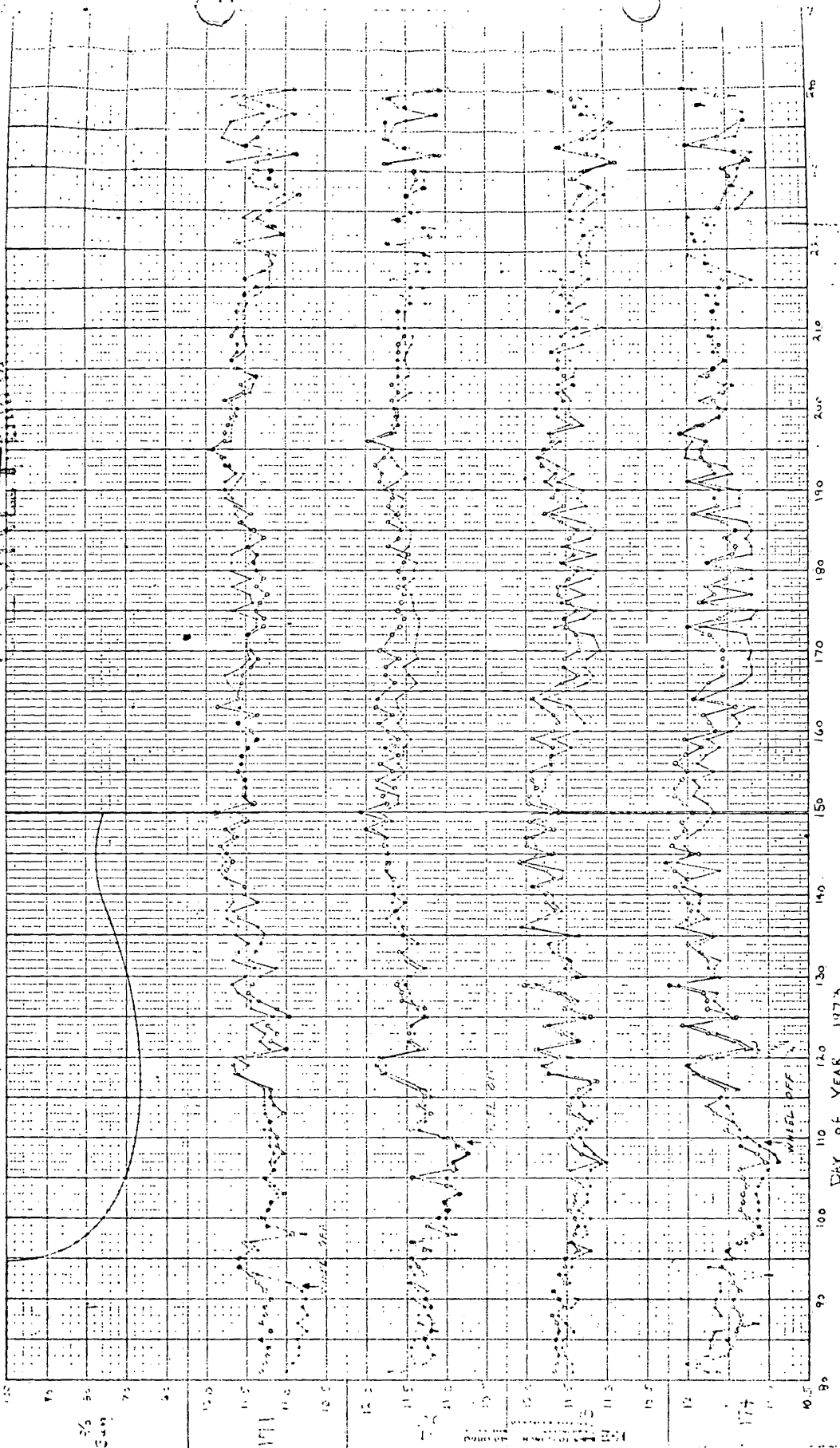
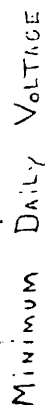
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COLLECTION HIGHLIGHTS

Electronic Order of Battle

POPPY sites reported 821 SOL locations this past month. Included were 52 locations of SA-6 emitters in [] reported under Project FLAVOR.

[] has reported intercepts from the []
This was first indication that site was completed and in operation. There is also a [] but the system has received no indication that the site is operational.

Also reported were locations of SA-6 emitters at []
[] These are the first indications from POPPY that SA-6 equipment is deployed to []

Technical Intelligence

The special task for collection of Signal Level Measurement data on specified target emitters is continuing at overseas POPPY sites.

[] has reported four intercepts of an unidentified emitter from the 34.7 - 35GHZ band. Signals carry the unident designators [] and are probably two modes of the same emitter type. The location of one emission was placed north of Murmansk at 7015N/3459E.

[] has also accomplished several intercepts of unident [] from the Black Sea. It has been suggested that the emitter source is possibly a modified [] or new mode of the [] radar. The emission is being assigned a temporary SEDSCAF notation.

Ocean Surveillance

POPPY supplied coverage of the recent Soviet worldwide exercises. Operations included exercises in the Kurile Islands, Philippine Sea, Norwegian Sea, and a Cuban transit. Volume of intercept from exercises was very low and it is suspected that various forms of EMCON were in use. EMCON practices were apparent in the Philippine Sea exercise. Only a limited number of surface search radar intercepts were reported from participants. Upon completion of exercise the volume of intercept increased and all long range early warning emitters on exercise vessels were intercepted. The EW radars were not intercepted during the exercise.

Intercept from the Cuban transit group (KRESTA II CLGM 298 and KANIN DDG 559) was also light when compared to that of previous Cuban transits.

Major Movements

KRESTA II 293 and KANIN 559 remain out of area in the Caribbean. Major combatant force from Philippine Sea has split with two KASHIN's and a KILDEN returning to the Sea of Japan, and two PETYA's and an oiler proceeding to PETRO.

Enclosure (4) to BYE-59819/73

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There is presently a small force consisting of a KRIVAK and some minor combatants operating in the gap between Iceland and the Faroes. In area activity in the Black and Baltic Sea has increased.

U.S. Ocean Surveillance

[] covered the transit of the USS GUAM to and from the Mediterranean. Initial analysis indicated good coverage of the transit. Wrap-up packages have been forwarded to CINCLANTFLT for evaluation. No replies have been received.

The POPPY site at [] will support the upcoming RIMPAC 73 operations off Hawaii on 12-20 September. Exercise is of five phases (four transits and an amphibious operation) and consists of two SEATO forces (Blue and Orange) in simulated offensive and defensive maneuvers against the Hawaiian Islands.

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