## COROUN PROGRAM (H-4)

SECURITY:

OPERATIONAL: CORCEA

(T.S. RUFF) EXPLOIPATION: KEYHOLE

MIRRIDH: Reconnaissance

TYPE OF SENSOR: Stereo convergent panoramic system utilizing two cameras scanning

transverse to the line of flight.

LERS AND FOCAL LENGTH: Petzval design 1/3.5, F.L. 24", t/4

FORMAT SIZE: 2.25" x 29.325"

RESCRIFICH: 175 1/mm on lens bench - high contrast targets

(see remarks)

GROUND COVERAGE PER MISSION:

LATERAL: 70° total (172 mm)

30,657 mm LENOTE:

OPERATIONAL ALITITUDE: 123 mm

VEHICLE VELOCITY: 24,500 ft/sec

PILM DATA:

TIPS: 8.0. 132

7,800' of 3 mil film POOTAGE:

WIDTH: 70

SCALE OF PHOTOGRAPHY AT WADER: 1/375,000

DUAGE MOTTON COMPENSATION: Accomplished by translating lens at the same time the

SHE FUNCTION. SYSTEM " GESHALD FOR A FLAT, NOW-RETETING

Time to milliseconds - an ephemeris is published

frequency marks - 200 cps.

ST SCHEDULES: Current program

DATE OFERATIONAL:

## CUTTRACTORS AND SURCONTRACTORS:

PRDA/SUB/ASSOCIATE: LMSC and Itek are associate contractors

CAMERA: Itek FILM: E.K.

VEHICLE: Thor (Douglas) and Agena B and D (Lockheed)

NOMARKE: A stellar/framing camera will be added after M-13

For computing coverage at 123 nm altitude

1. Assume 2.6' of film/frame

- 2. 10.35 mm useful advance per frame (10% overlap)
- 3. 2,962 frames

## Resolution - 14 August

Itek believes we are getting 125 1/mm at 2:1 contrast-dynamic.

Lockheed has stated that we are getting 90 1/mm at 2:1 contrast-dynamic based on tests. Itek feels these tests are equipment limited and their number of 125 is obtained in orbit - they believe the space environment to be as good as a lens bench.

Based on 125 1/mm - 2:1 contrast-dynamic = GR.DET SIZE 9.8'

Based on 90 1/mm - 2:1 contrast-dynamic = GR.DET. SIZE 13.6'