

MULTIPLE SPECTRAL RECONNAISSANCE

- I. INTRODUCTION
- II. THE ELECTROMAGNETIC SPECTRUM
 - A. Define Areas of Spectrum
 - B. Spectral - Spatial Relationships
 - C. Passive - Active Sensing Systems
 - D. Examples Passive - Active Sensing Systems
- III. VELA RECONNAISSANCE SYSTEM
 - A. Objective
 - B. Equipment Description
 - 1. Cameras
 - 2. Spectrometer System
 - C. Data Handling Techniques
 - 1. Spectral Data
 - 2. Photographic Data
 - D. Multiband Examples
- IV. EXPLOITATION TECHNIQUES AND PROBLEMS
 - A. Controls
 - B. Background Data
 - C. Viewing Devices
- V. FUTURE DEVELOPMENT SENSORS
 - A. Cameras
 - 1. Photographic Camera Systems
 - 2. Electronic Imaging
 - B. Data Processing
 - 1. Photo Data Processing
 - 2. Electronic Data Processing
 - C. Data Analysis
 - 1. Human Analysis
 - 2. Computer Analysis
- VI. SUMMARY
 - A. Current State of the Art
 - B. Company Effort
- VII. FINAL CONCLUSIONS

DECLASS REVIEW by NIMA/DOD