

SKYLAB
EXPERIMENT BRIEFING

S192
MULTISPECTRAL SCANNER

Instructor
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SKYLAB CREW PREFLIGHT TRAINING
FOR TRAINING PURPOSES ONLY

MARTIN MARIETTA

DENVER DIVISION

S192 MULTISPECTRAL SCANNER

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DENVER DIVISION

OBJECTIVE

GATHER QUANTITATIVE HIGH-SPATIAL-RESOLUTION LINE-SCAN
IMAGERY DATA ON RADIATION REFLECTED AND EMITTED BY
SELECTED GROUND SITES IN U. S.

PHYSICAL CHARACTERISTICS

DIMENSIONS

EXTERNAL SCANNER: 26 BY 34.5 BY 21.5 IN.

INTERNAL SCANNER: 24 BY 24.5 BY 15 IN.

ELECTRONICS ASSEMBLY: 17.32 BY 16.5 BY 8.64 IN.

VOLUME

EXTERNAL SCANNER: 11.4 CU FT

INTERNAL SCANNER: 5.4 CU FT

ELECTRONICS ASSEMBLY: 1.5 CU FT

WEIGHT

EXTERNAL SCANNER: 125 LB

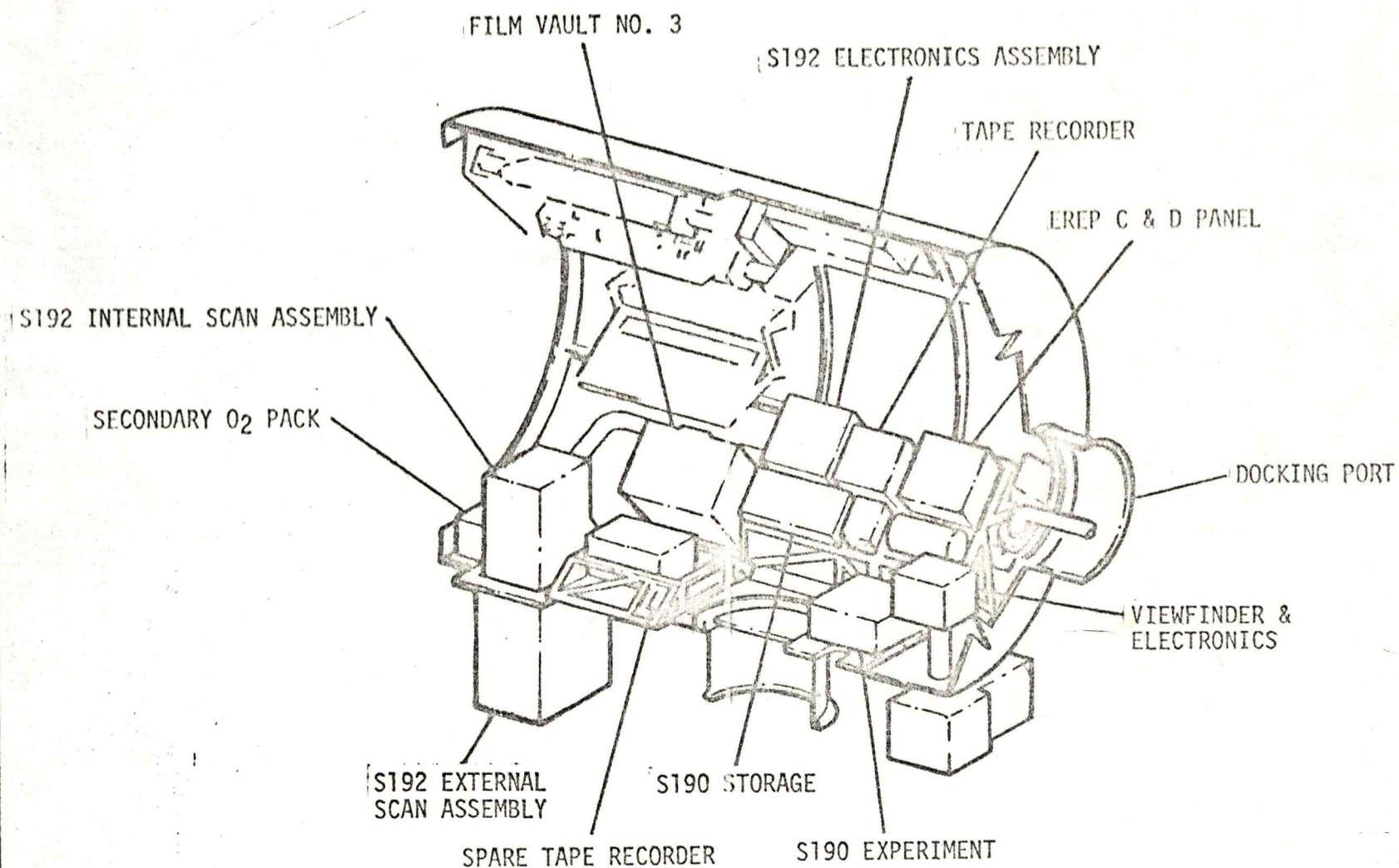
INTERNAL SCANNER: 100 LB

ELECTRONICS ASSEMBLY: 75 LB

EREP COMPONENTS IN THE MDA

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SPECTRAL BANDS

0.41 - 0.46 μM

0.46 - 0.51

0.52 - 0.56

0.56 - 0.61

0.62 - 0.67

0.68 - 0.76

0.78 - 0.88 μM

0.98 - 1.08

1.09 - 1.19

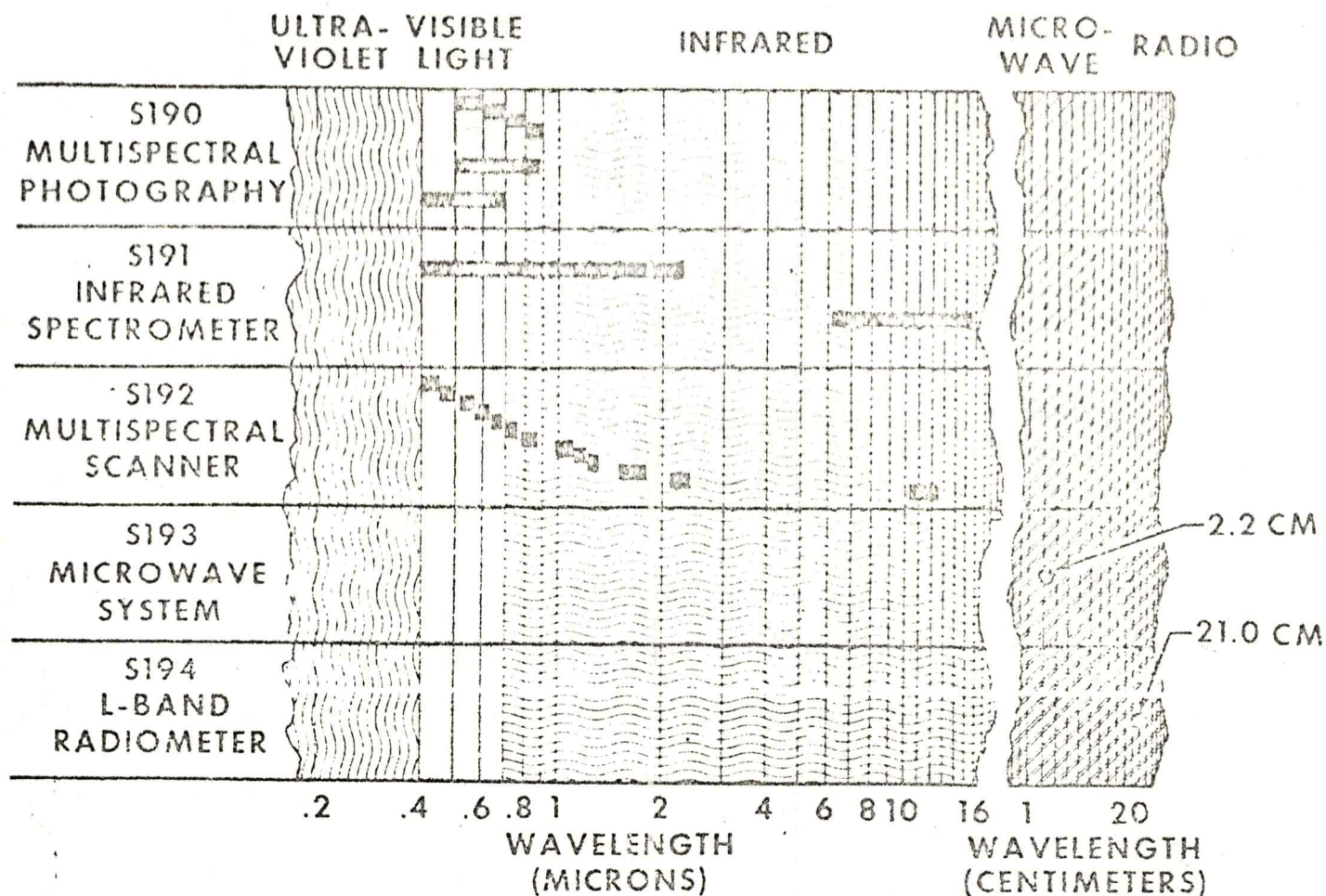
1.20 - 1.30

1.55 - 1.75

2.10 - 2.35

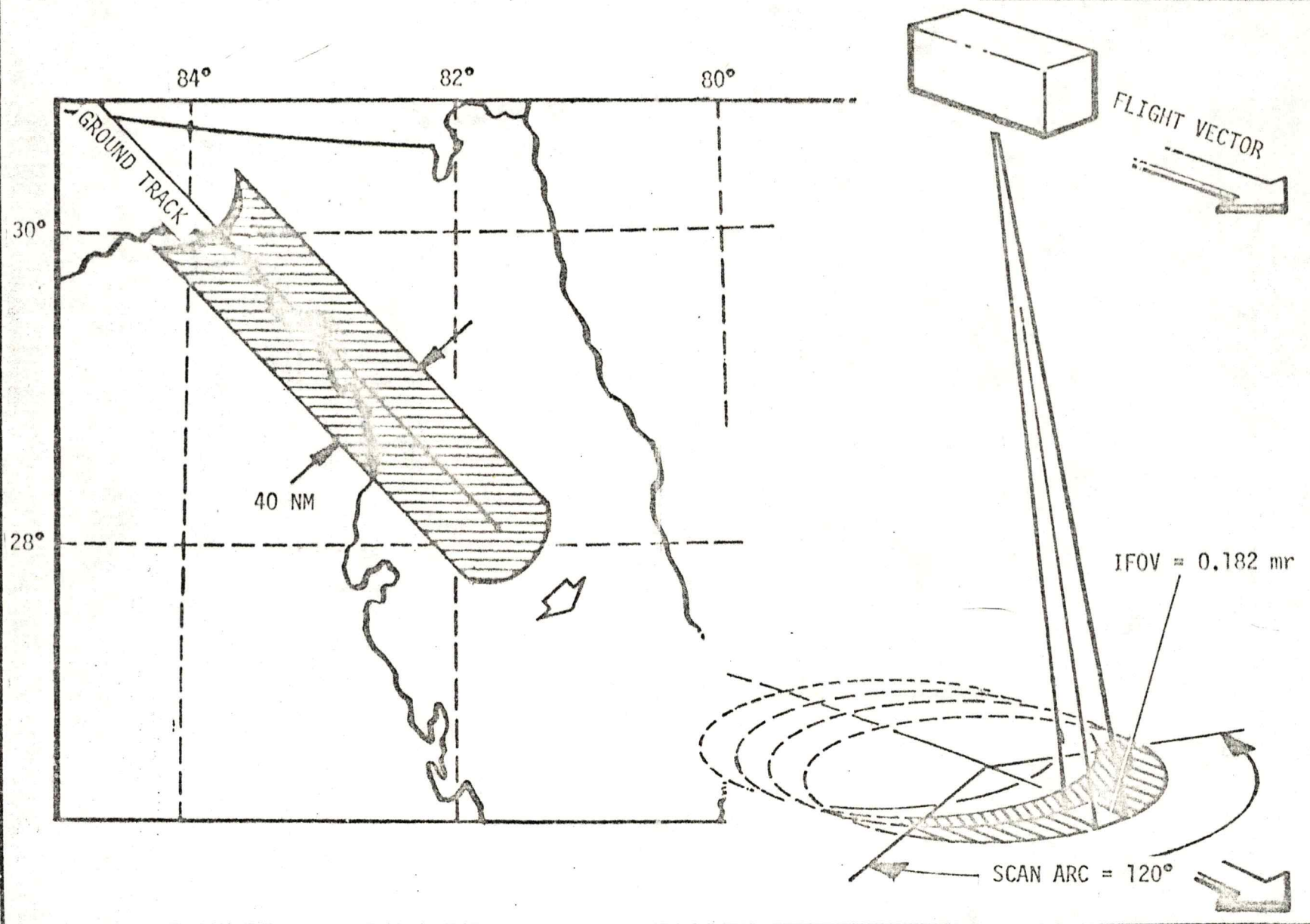
10.2 - 12.5

NASA-S-71-065-S WAVELENGTH SENSITIVITY OF SKYLAB EARTH RESOURCES EXPERIMENTS



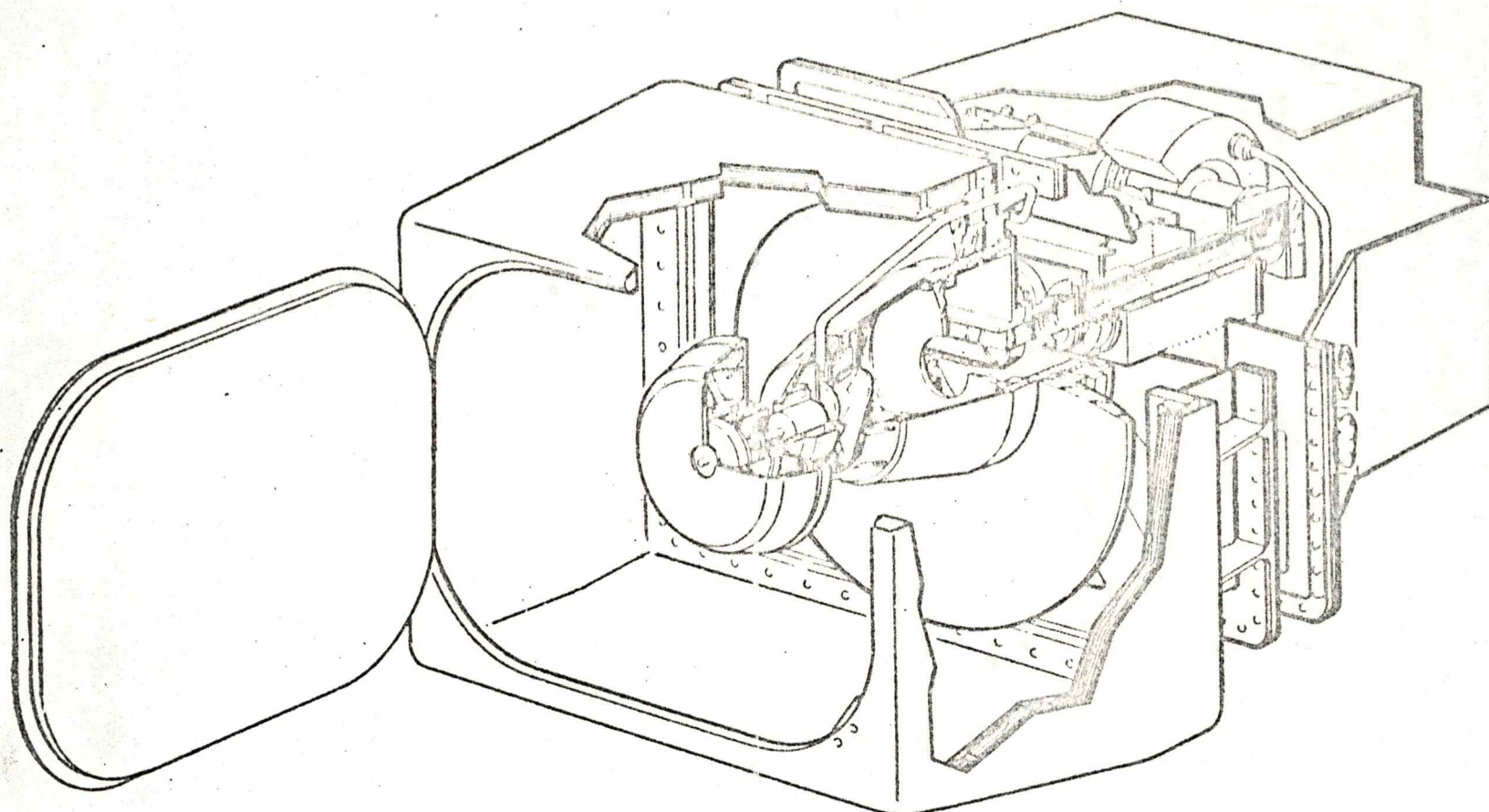
FOOTPRINT OF S-192 MULTISPECTRAL SCANNER

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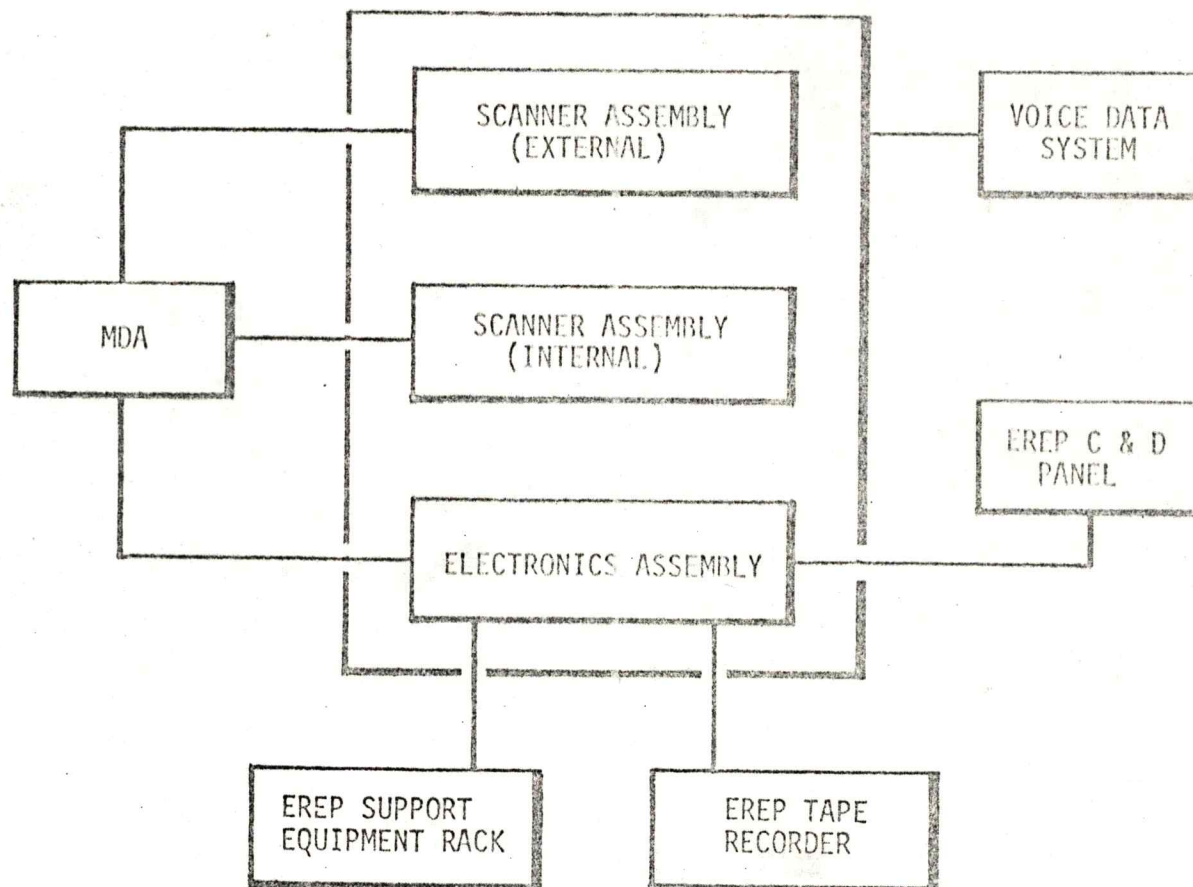
ILLUSTRATIVE VIEW OF S-192 SCANNER

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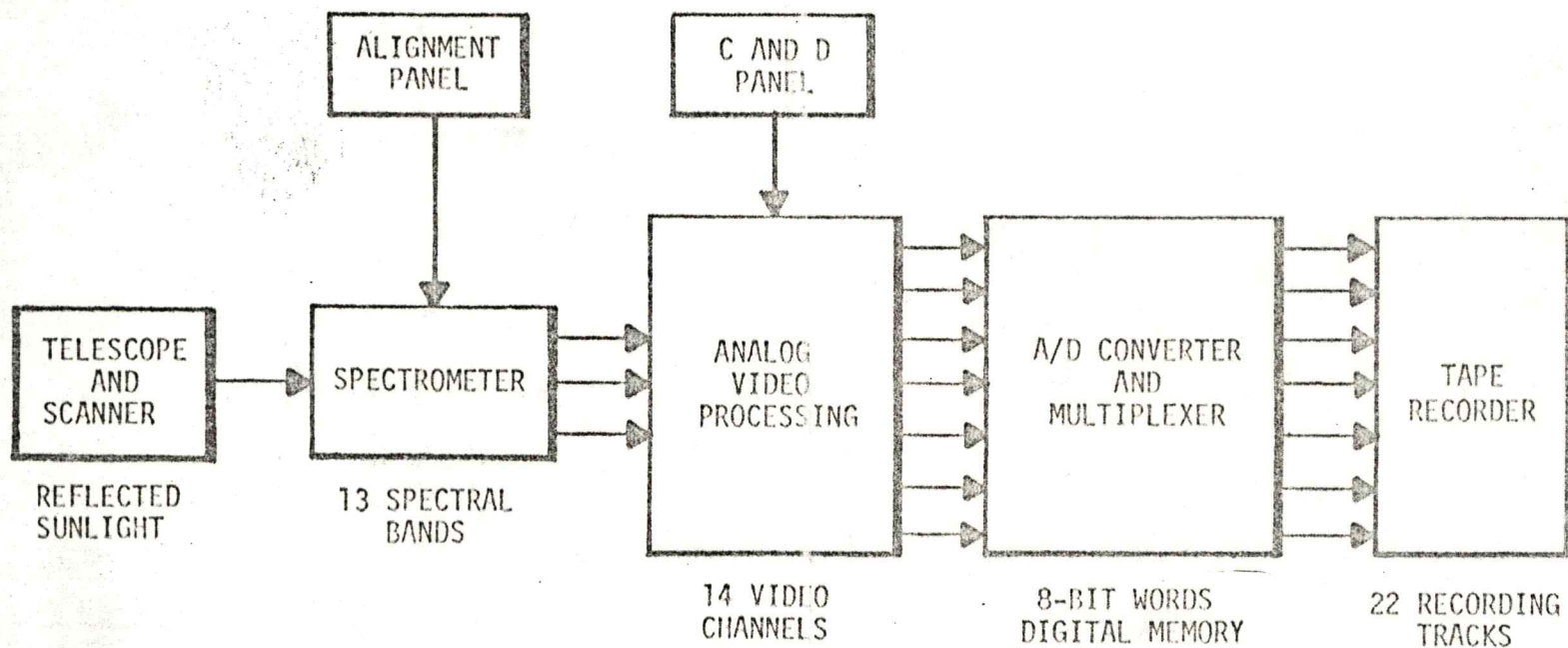
INTERFACE SCHEMATIC

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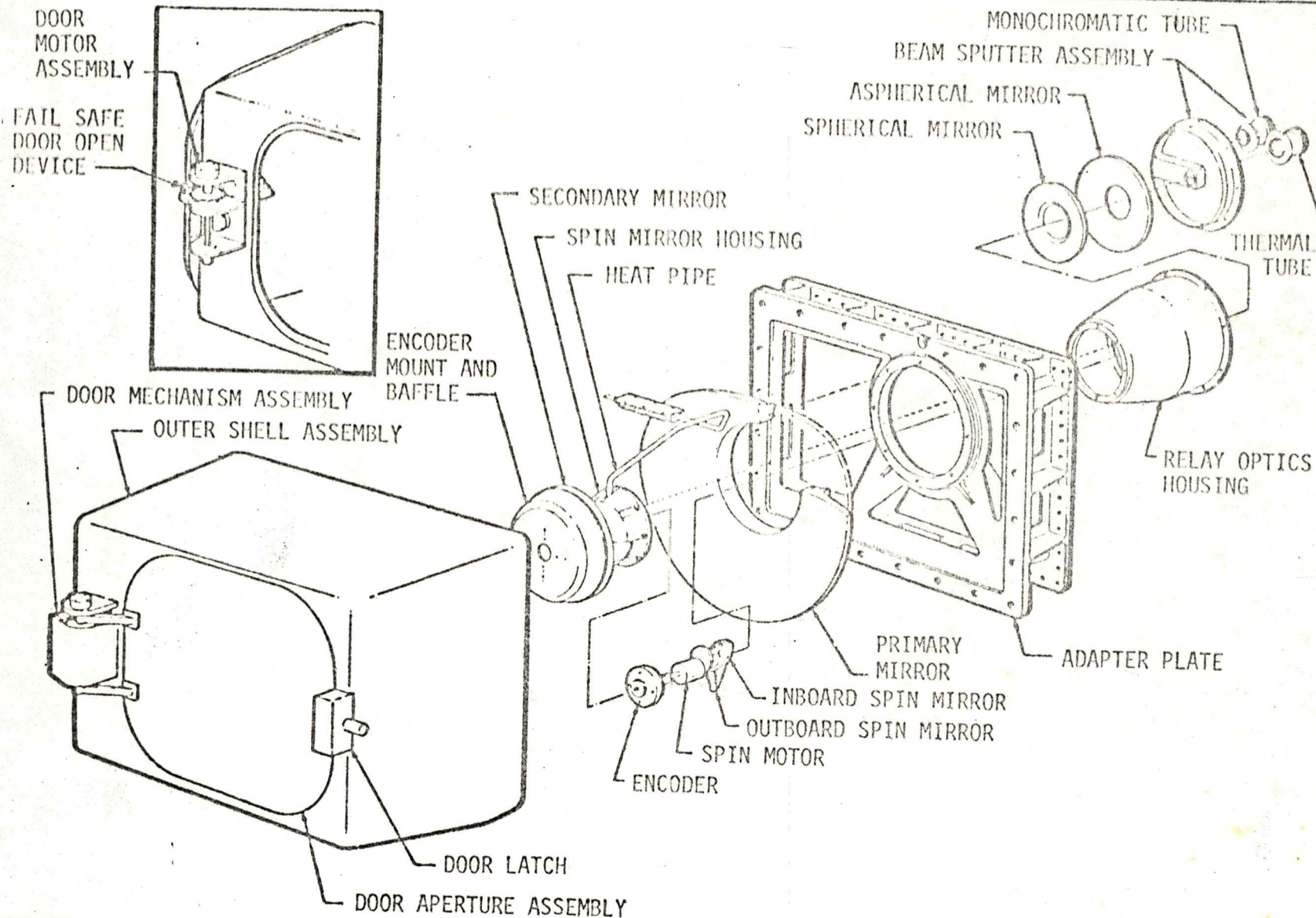
S192 MULTISPECTRAL SCANNER - BLOCK DIAGRAM

MINIMUM VARIATION
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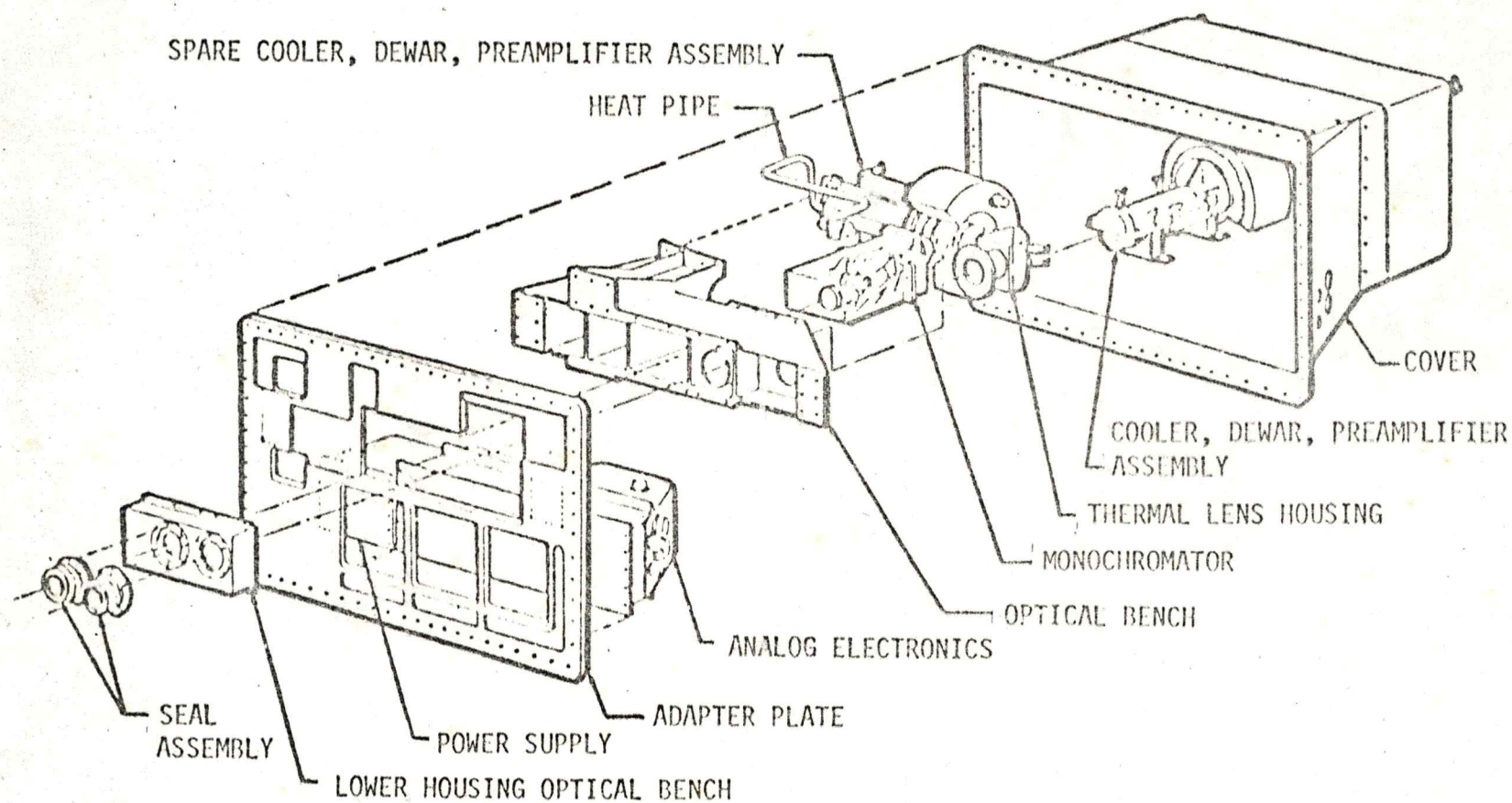
S192 EXPLODED VIEW OF EXTERNAL SCANNER ASSEMBLY

MICROFILM
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S192 EXPLODED VIEW OF INTERNAL SCANNER ASSEMBLY

MAINTENANCE
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S192 SYSTEM OPTICAL SCHEMATIC

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