

SAMOS E-2 READOUT CAPABILITY

	3 T & A STA.	2 STA.	1 STA.
READOUT TIME	66 MIN/DAY	50 MIN/DAY	25 MIN/DAY
DAILY FILM USAGE	33 FT.	25 FT.	12.5 FT.
DAILY COVERAGE	55,000 SQ. MI.	41,500 SQ. MI.	20,750 SQ. MI.
NO. OF 17 SQ. MI. SHOTS PER DAY	200 (100 STEREO)	160	80
OPERATING LIFE	4 MO.	5 MO.	10 MO.

NOTE 1. THREE STATIONS ASSUMED ARE NE-NW-CENTRAL

NOTE 2. OPERATING LIFE IS USEFUL FILM LIFE - ASSUME SOLAR POWER SOURCES

P-1572

SS "E"

1/27/60

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LOCKHEED MISSILES AND SPACE DIVISION

SAMOS READOUT-E-2 GROWTH POTENTIAL

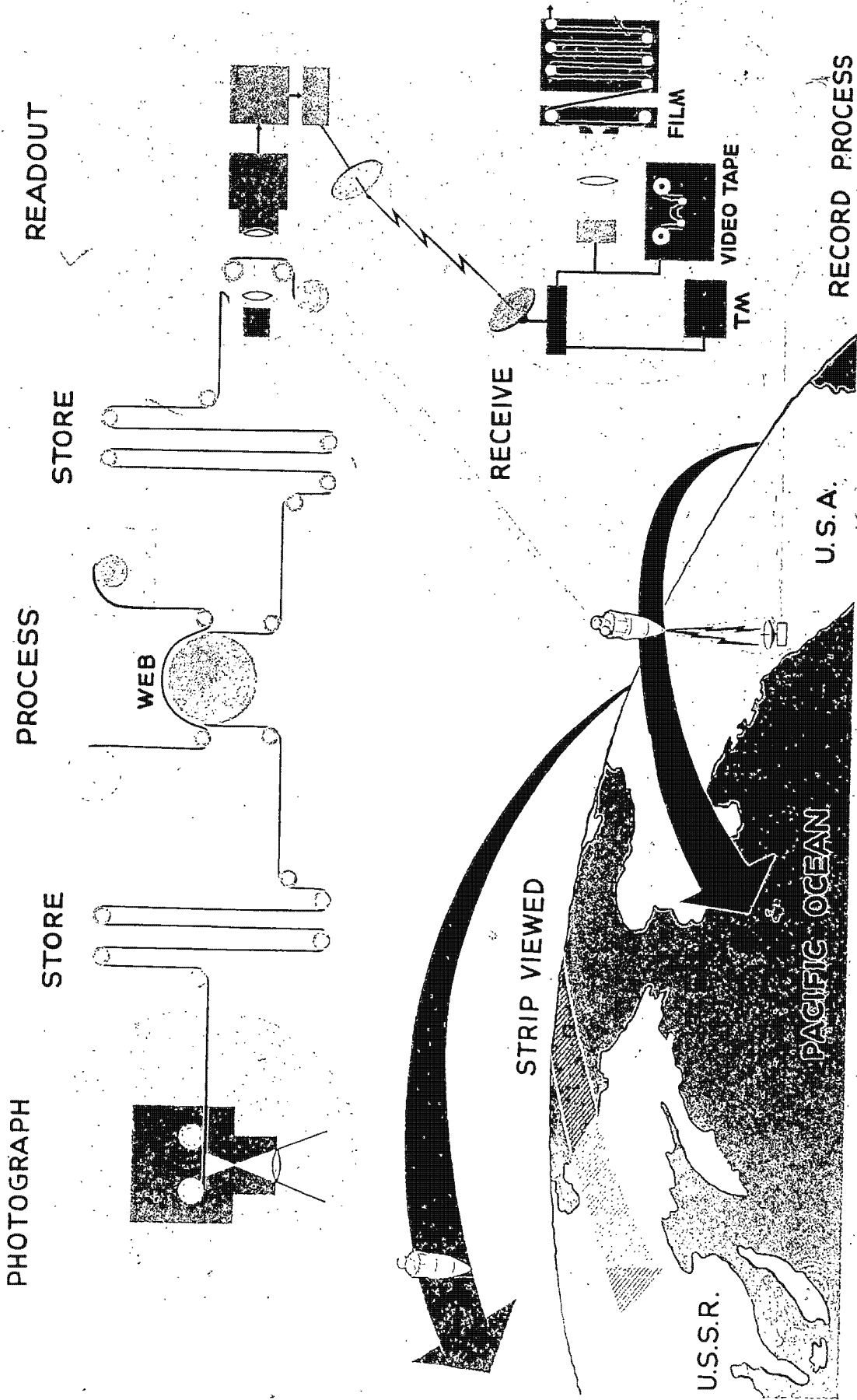
- RESOLUTION APPROACHING 5 FT. ON GROUND
- UTILIZE E-2 STRUCTURE & MAJOR COMPONENTS
- DEVELOP LONG FOCAL LENGTH LENS (120 IN. f/4)
- IMPROVE LENS-FILM RESOLUTION (250 LINES /MM)
- ADOPT LARGER FORMAT (5-IN. WIDE FILM)
- IMPROVE SCANNER RESOLUTION (100 LINES/MM)
- INCREASE DATA LINK BANDWIDTH (12 MC)
- IMPROVE ATTITUDE CONTROL ($\pm 1/4^\circ$)
- CONSIDER FRAME TYPE CAMERA
- ADOPT AUTOMATIC IMAGE-MOTION COMPENSATION

P 1185 (1) SS'E" 9/4/59

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E-2 PAYLOAD-FUNCTIONAL SCHEMATIC



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