

DATA ON RESOLUTION TARGETS

1. Two positive, extended range, resolution targets of the USAF 1951 configuration are supplied for your use.

2. They were examined for maximum usable resolution with a  M20-12000 microscope, at 500X magnification. Although the targets showed some evidence of the bars bleeding into their adjoining spaces, they were found to be usable through group two (2) element four (4) (1358 c/mm) when the criterion used was as specified in MIL-STD-150A Para. 3.6.2.2.

3. The targets have been reduced  $240_{-0}^{+6}X$ . In order to determine resolution readings, the value for the maximum resolvable group and element should be read off of the attached resolution chart table.

STAT

Declass Review by  
NIMA/DOD

DATA SHEET

1951 USAF RESOLUTION TARGET

240 X REDUCTION

Group Number	Element Number	Resolution (Cycles/mm)
-2	1	60.00
	2	67.44
	3	75.60
	4	87.96
	5	95.28
	6	106.80
-1	1	120.00
	2	134.60
	3	150.96
	4	169.68
	5	190.56
	6	213.84
-0	1	240.0
	2	268.8
	3	302.4
	4	338.4
	5	381.6
	6	427.2

Group Number	Element Number	Resolution (Cycles/mm)
1	1	480.0
	2	537.6
	3	604.8
	4	679.2
	5	760.8
	6	854.4
2	1	960.0
	2	1077.6
	3	1209.6
	4	1358.4
	5	1524.0
	6	1711.2