

~~TOP SECRET~~ [REDACTED]WORKING MATERIAL
December 1, 1989INTELLIGENCE CONTRIBUTIONS OF THE [REDACTED] PROGRAMGENERAL

[REDACTED] STRENGTHS ARE IN ITS ABILITY TO INFORM THE INTELLIGENCE COMMUNITY ON A ROUTINE DAILY BASIS OF WHAT IS HAPPENING IN A WIDE ELECTROMAGNETIC SPECTRUM THROUGHOUT THE WORLD AND TO PROVIDE DETAILED TECHNICAL COLLECTION OF EVER INCREASINGLY COMPLEX AND SOPHISTICATED EMITTERS. THIS WINDOW ALLOWS US TO OBSERVE THE WORLD'S EMERGING TECHNOLOGIES SO AS TO PREPARE BOTH DEFENSES AND EFFECTIVE COUNTERMEASURES.

IN ADDITION, THE CAPABILITIES OF THE [REDACTED] SYSTEM PROVIDE A VERY STRONG COMPLEMENT TO OTHER OVERHEAD COLLECTORS (AND SOME CONVENTIONAL COLLECTION SYSTEMS) FREEING THEM TO HUSBAND AND FOCUS SCARCE RESOURCES AWAITING ALERTS FROM THE 7300 SYSTEM THAT CRITICAL TARGETS ARE ACTIVE AND EXPLOITABLE. THIS PATHFINDER MISSION IS ESPECIALLY CRITICAL IN TODAY'S ERA OF REDUCED FISCAL RESOURCES AND THE REQUIREMENT TO PROVIDE THE TREATY MONITORING FUNCTIONS CURRENTLY NEEDED AS WELL AS AN EXPANDED ROLE DICTATED BY THE RECENT EVENTS IN EASTERN EUROPE.

25X1

[REDACTED] HIGHLIGHTED BELOW ARE SOME POINTS ABOUT STRENGTHS OF THE [REDACTED] SYSTEM.

ONLY NON-APRIORI OVERHEAD COLLECTOR

- DOESN'T HAVE TO KNOW THE ANSWER TO ASK "WHAT'S THERE?"
- CAN IDENT BLUE EMITTERS THAT BECOME GREY
 - TECHNOLOGY TRANSFERS
 - REVERSE TECHNOLOGY
- UNUSUAL PARAMETRIC USE, INCLUDING WARM MODES
 - ONLY COLLECTOR 100% SUCCESSFUL AGAINST WARM DURING SPECIAL PROJECT "NIGHT FURY"

PREMIER TECHNICAL INTELLIGENCE CAPABILITY

- BEAM SHAPE ANALYSIS
- ERP MEASUREMENT
- MAIN BEAM POLARIZATION
- TECHNICAL DATA ARCHIVED FOR HISTORICAL RESEARCH
- ALL THE ABOVE ALLOWS FOR ECM DESIGN AND FOR RAW GEAR UPDATES

~~TOP SECRET~~ [REDACTED]~~HANDLE VIA BYEMAN/COMINT CHANNELS ONLY~~

25X1

~~TOP SECRET~~ [REDACTED]

WORKING MATERIAL

25X1

WORLD-WIDE SEARCH COVERAGE

- IDENT NEW THREATS ANYWHERE ON THE GLOBE
- TRACKS THREATS FROM DEVELOPMENT, THROUGH TESTING AND TRAINING, AND ULTIMATE DEPLOYMENTS
 - E.G. [REDACTED]
- PRIME FIRST HEARD COLLECTOR
 - TOPS IN # OF FIRST HEARDS OF ALL OVERHEADS
- ONLY SYSTEM TO ROUTINELY COVER SOUTHERN HEMISPHERE TARGETS
- FLEXIBLE TASKING PERMITS WIDE COVERAGE BOTH IN AREAS AND IN FREQUENCIES
 - EACH COLLECTOR BLANKETS THE EARTH WITH A FOOTPRINT 2400 NM IN WIDTH TRAVELLING AT 4 MILES A SECOND MONITORING SOME 10 GHZ OF THE FREQUENCY SPECTRUM
 - CAN COVER MULTIPLE CRISIS AREAS WHILE NOT SACRIFICING ROUTINE COVERAGE
- MONITOR ABM INSTALLATIONS DAILY

25X1

THIRD WORLD MONITOR

- EXPLOITS NUMEROUS 3RD WORLD MISSILE/SPACE SITES
 - 22 CENTERS IN 17 COUNTRIES
- TIP-OFF OTHER OVERHEADS FOR SUSTAINED COVERAGE
- PRIME GENERATOR OF MOST 3RD WORLD EOB's
- MAINTAINS CONTINUITY OF 3RD WORLD TECHNOLOGY DEVELOPMENT AND IDENTIFYING ACQUISITION AND EMPLOYMENT OF WESTERN TECHNOLOGY

COMINT MAPPING

- ONLY HIGH VOLUME, WORLD-WIDE, NON-APRIORI COMINT MAPPER
- CONDUCTS ENVIRONMENTAL SURVEYS AND BUILDS ORDER OF BATTLE FROM GROUND UP
 - OVER 75 3RD WORLD COUNTRIES CATALOGED
 - PRIME SOURCE OF NEW SIGNALS
- ALLOWS FOR RAPID DISCOVERY AND GEOLOCATION OF COMMS NETWORK ACTIVITY, ESPECIALLY IN DENSE ENVIRONMENTS
- LEADS TO RECOVERY OF COMMS STRUCTURE AFTER COMMS CHANGES

~~TOP SECRET~~ [REDACTED]

WORKING MATERIAL

25X1

COMPLEMENTARY COLLECTOR

- IN ALL AREAS OF COLLECTION, BUT ESPECIALLY IN
MISSILE/SPACE AND COMINT MAPPING, [REDACTED]
[REDACTED] PERMITTING
SUSTAINED COVERAGE AND EFFICIENT USE OF RESOURCES
- INITIAL INTERCEPT AND GEOLOCATION OF SOVIET [REDACTED]
- INITIAL INTERCEPT AND GEOLOCATION OF COMMS SUPPORTING
[REDACTED]

25X1

25X1

25X1

~~TOP SECRET~~ [REDACTED]~~HANDLE VIA BYEMAN/COMINT CHANNELS ONLY~~

25X1