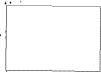


SOURCES OF ERROR

~~TOP SECRET~~



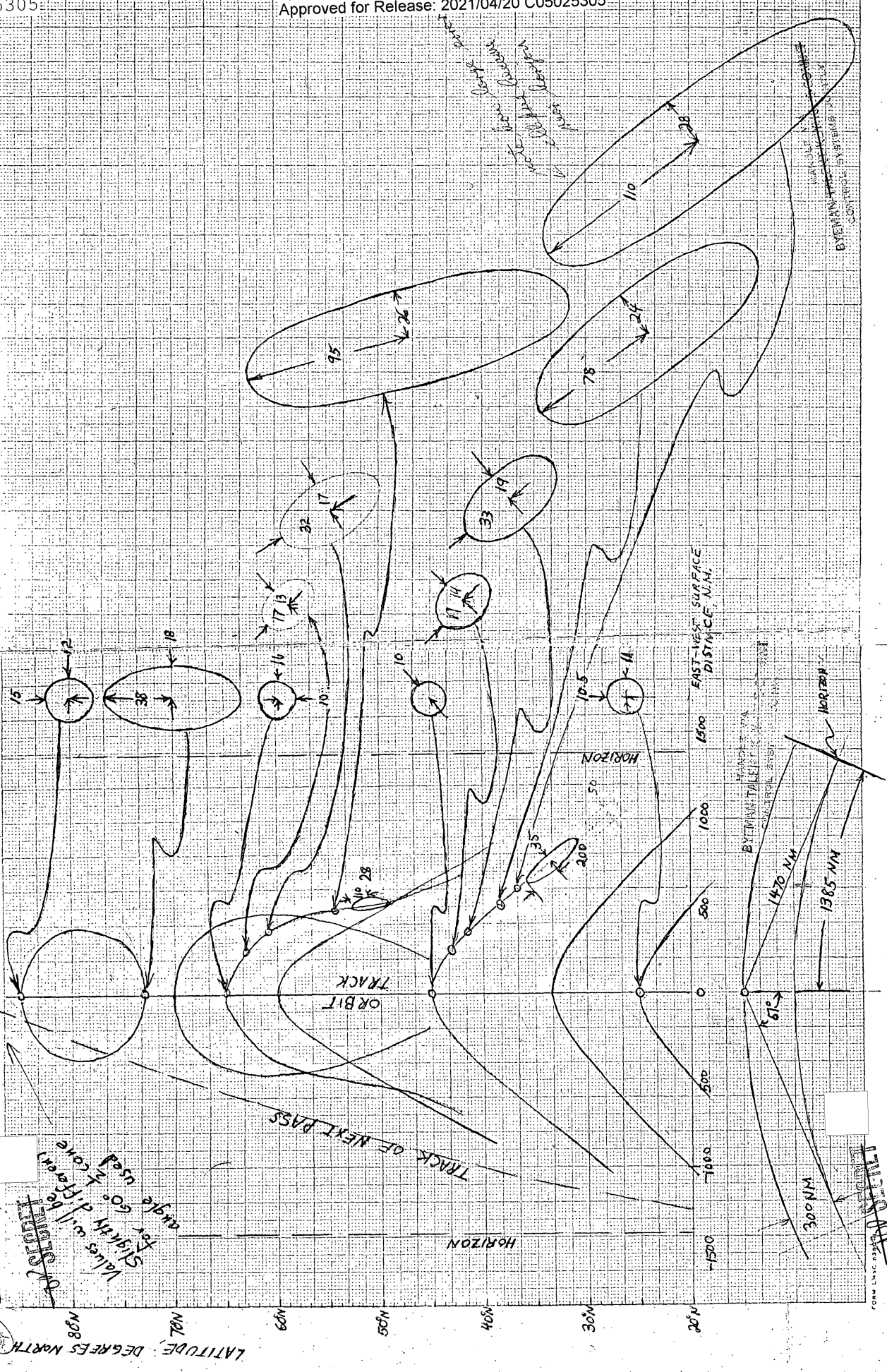
<u>ERROR SOURCE:</u>	<u>MAGNITUDE:</u>	<u>SMOOTHED:</u>
EXPERIMENT AZIMUTH ALIGNMENT	1 DEGREE	
EXPERIMENT ELEVATION ALIGNMENT	1 DEGREE	
HORIZON SCANNER AZIMUTH ALIGNMENT	1 DEGREE	
HORIZON SCANNER ELEVATION ALIGNMENT	1 DEGREE	
HORIZON SCANNER INHERENT ERROR	2 DEGREES	
SPIN ANGLE MEASUREMENT ERROR, I.E. ERROR IN DETERMINING THE ANGLE ABOUT THE P-11 SPIN AXIS THROUGH WHICH THE P-11 MOVES BETWEEN LOCAL VERTICAL SIGHTING AND EXPERIMENT PERFORMANCE	1 DEGREE	
SUN SENSOR ELEVATION ERROR, INCLUDING ALIGNMENT	1 DEGREE	
ERROR IN DETERMINING TRUE SPIN AXIS LOCATION	1 DEGREE	
ORTHOGONAL SPIN AXIS DEVIATIONS FROM ANGULAR MOMENTUM VECTOR DUE TO PRECESSION AT TIME OF ATTITUDE OBSERVATION	1/2 DEGREE EA.	
ORTHOGONAL SPIN AXIS DEVIATIONS FROM ANGULAR MOMENTUM VECTOR DUE TO PRECESSION AT TIME OF PRIMARY EXPERIMENT PERFORMANCE	1/2 DEGREE EA.	
EPHEMERIS ERROR IN ALTITUDE	1 MILE	✓
EPHEMERIS ERROR IN LONGITUDE ON EARTH'S SURFACE	1 MILE	✓
EPHEMERIS ERROR IN LATITUDE ON EARTH'S SURFACE	5 MILES	✓
ERROR IN GEOGRAPHIC VECTOR TO SUN	NEGLECTIBLE	

HANDLE VIA
~~BYEMAN TALENT KEYHOLE COMINT~~
 CONTROL SYSTEMS JOINTLY

~~SECRET~~



POINTING ERRORS FOR $\theta = 45^\circ = \text{Half Cone Angle}$



SECRET
 Values will be used
 slightly different
 angle used
 for cone

Handwritten notes:
 1. 1000 N.M. distance
 2. 1000 N.M. distance
 3. 1000 N.M. distance
 4. 1000 N.M. distance
 5. 1000 N.M. distance

SECRET
 FORM 1-64 (REV. 1-64)