

~~TOP SECRET~~ 

MISSION 7106 as proposed in NRL ltr to DNI/NRO of 7 Feb 67 B#26904-67 set forth a list of difficult design goals which will result in an increase in payload weight of 3.33 times that proposed during the early 1967 period. More than three times the number of collection receiving bands are also required for the contemporary effort to fulfill the profound demands of the  SIGINT collection requirements, now imposed upon this program. These requirements have also demanded an intensive acceleration of the overall effort so that Mission 7106 will be available for operational deployment as soon as possible. The Enclosures #4 and #5 of the NRL letter of 10 March (BYE 26906-67) represent the costs estimated for the maximum acceleration of Mission 7107 and for the Present schedule of starting Mission 7107 about three months before the Launch of Mission 7106. There are an infinite number of discrete time schedules in between the two limits used in the NRL submission and for each one there will result a different time for launch of Mission 7107 and an estimated cost.

HANDLE VIA
BYEMAN-TALENT-KEYHOLE
CONTROL SYSTEMS JOINTLY

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7105 A

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7105 B

1 P n2 153 - 165
~~153.5~~
 2 P n1 165 - 200
~~166~~
 3 S n1 550 - 650
 4 S w1 650 - 850
~~654 - 851~~
 5 S n2 820 - 920
 P w2 920 - 1100
~~1106~~
 7 T w1 2580 - 2680
~~2560 - 2675~~
 8 T w2 2680 - 2930
~~2678 -~~
 9 T n2 2930 - 3120
~~2915 3128~~
 10 T n1 3120 - 3300
~~3105 - 3315~~
 11
 12

P n2 153 - 165
~~154~~
 P n1 165 - 200
~~166~~
 S n1 550 - 650
~~651~~
 S w1 650 - 850
~~652 857~~
 S n2 820 - 920
~~922~~
 T w1 2580 - 2680
~~2560 - 2705~~
 T w2 2680 - 2930
~~2675 - 2977~~
 T n2 2930 - 3120
~~2915 - 3130~~
 T n1 3120 - 3300
~~3105 - 3315~~
 P w1 3300 - 3600
~~3275 - 3615~~

7105 C

P n1 100 - 125
~~124~~
 P n2 200 - 350
~~196~~
 P w2 350 - 550
 S n2 1800 - 2500
~~1790 - 2520~~
 P w1 3600 - 4050
~~4055~~
 S n1 4930 - 5070
~~4910 - 5080~~
 S w2 6500 - 6700
~~6460 - 6710~~
 T w1 7850 - 8450
~~7780 - 8510~~
 T n2 8100 - 8600
~~8090 - 8630~~
 T w2 8600 - 9340
~~8480 - 9360~~
 T n1 9340 - 9500
~~9300 - 9520~~
 S w1 920 - 1850
~~1855~~

7105 D

S n2 1800 - 2500
~~1790 - 2520~~
 S n1 4930 - 5070
~~4920 - 5080~~
 S w2 6500 - 6700
~~6450 6725~~
 P n1 6700 - 7300
~~6720 -~~
 P w1 7300 - 7900
~~7220 - 7930~~
 T w1 7850 - 8450
~~7730 - 8430~~ xxy
 T n2 8100 - 8600
~~8620~~
 T w2 8600 - 9340
~~8530 - 9370~~
 T n1 9340 - 9500
~~9300 - 9515~~
 P n2 14500 - 14800
 P w2 200 - 550
~~196 - 553~~
 S w1 920 - 1850
~~1865~~

9 MAR 1967

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 Talent-Keyhole
 Control System Only

Approved for Release: 2024/06/11 : 68920000

Frequency coverage		A dbm		B dbm		C dbm		D dbm	
1.	153 - 165	-47	153 - 165	-47	100 - 125	-47	200 - 550	-50	
2.	165 - 200	-47	165 - 200	-47	200 - 350	-50	920 - 1850	-50	
3.	550 - 650	-50	550 - 650	-50, -60	350 - 550	-50	1800 - 2500	-53	
4.	650 - 850	-50	650 - 850	-50, -60	920 - 1850	-50	4930 - 5070	-78	
5.	820 - 920	-50	820 - 920	-50, -60	1800 - 2500	-53	6450 - 6700	-75	
6.	920 - 1100	-53	2580 - 2680	-53, -65	3600 - 4050	-70	6700 - 7300	-75	
7.	2580 - 2680	-53	2680 - 2930	-53, -65	4930 - 5070	-78	7300 - 7900	-75	
8.	2680 - 2930	-53	2930 - 3120	-53, -65	6450 - 6700	-75	7850 - 8450	-75	
9.	2930 - 3120	-53	3120 - 3300	-53, -65	7850 - 8450	-75	8100 - 8600	-75	
10.	3120 - 3300	-53	3300 - 3600	-53, -65	8100 - 8600	-75	8600 - 9340	-75	
					8600 - 9340	-75	9340 - 9500	-75	
					9340 - 9500	-75	14.5 - 14.8GC	-85	
								+15 dbm Ant.	

Receiver Type: Ground

Receiver Type - Crystal video
Sensitivity - See Above

Frequency Sweep - None
Accuracy of Frequency - On band indication.
PRF Accuracy - 0.001 %
Limitation -



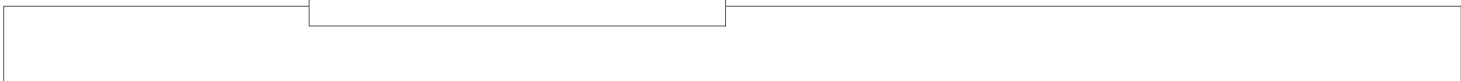
Antenna pattern - Omni Directional in all bands except 7105D #6& 7 with 180° forward
05D #12 is 100° wide forward; 7105#6A (CW Detector) 50° wide to rear.
7105B#6 ,7,8,9 and 10 HiSensitivity are 180° forward.

On Ground - Unlimited - 24 Min reels
Recorder Time - In Satellite - None

High Speed (Band width) - 10 Kc (FM) 30 IPS
Low Speed (Band width) - None

Type Recording - Digital - at one site
Analog - at all sites.

Dump Time - Transpond Real Time
Data Links - 2 vhf
Bandwidth - greater than 1 mc
Modulation type - Pulse (135 and 200 usec)
Collection Sites -



Orbital Data -
Altitude - 500 NM
Swath Width (Usable) - 3500 NM
Illumination Time - 15 Min horizon to horizon
Duration of Illuminations per Spin - Not spinning
Number of Spins per Pass - Not spinning
Direction Finding Illumination Area - Entire 3500 NM Swath Width

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