C05025732

Approved for Release: 2021/04/20 C05025732

OUTGOING
NRL SPECIAL PROJECTS CONTROL NUMBER

TCS-209182-92

~~SEC~~/TK

DATE
631124

ORIGINATOR	SERIAL NO.	ENCLOSURES
8000	TCS-209182-92	00

RECEIVED	COPY NUMBERS	RECEIPT NO.
	1	HC

SUBJECT
SEJ W/P DESC EXP FOR
MIS-7104

DISTRIBUTION INFO

ROUTE TO	COPY NO.	W/ ENCL	SIGNATURE	DATE OUT	DATE RET'D
1298	1	00	Reviewed 25 Apr 1998	920409	

TRANSFER

DESTROY

NRL OUTGOING DOCUMENT

TCS-209182-92

1

Lee 3/17/65
Tech Desc
for what was flown
no more before found

DES/SHEET NO.

COPY NO.

DESTROYED BY:

WITNESSED BY:

DATE

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24 Dec 63
per. Rome - phone

Working Paper Describing Experiments for 7104 ~~Sexxxxx~~ Mission.

~~SECRET~~

7104A - NRL # 141 ~~20~~ 24"dia.

A-1 170 - 205 can utilize(one) ~~North~~ So Pole and(2) Equatorial spots @ 90°.
A-2 340 - 450 " " the remaining three spots i.e. No. and 2 Equatorial.
A-3 1350-1850 a set of (6) at 36° used with Band-4 below.
A-4 3200-4100

ALTERNATE EXPERIMENTS:

A-1a 550 - 650
A-2a 600 - 720 } one set of (6) @ 36°
A-3a 690 - 920 } " " " (6) @ 36°
A-4a 820 - 1080

No preAmps.
No R.&D.

7104B . . . NRL # 142 (~~20~~ 24"diameter)

B-1 450 - 550
B-2 550 - 650
B-3 820 - 1080
B-4 1080 - 1350

Set of (6) combined - 36°
" " " " 36°
" " " " 36°
" " " " Equator

ALTERNATE EXPERIMENTS:

B-1b 2550 - 2750
B-2b 2650 - 2950
B-3b 2850 - 3150
B-4b 3050 - 3250

no PreAmps.

7104C---NRL # 143 (24"diameter) 2-Axis Stabilized

C-1 158 - 180 South Pole and two Equator @ 90°
C-2 230 - 290 Remaining two spots on Equator opposite above antennas.
C-3 4700 - 5300 Four Equator (~~may be "Tee" shaped dipoles~~) Pre Amp
C-4 9050 - 9500 Four Equator elements.

ALTERNATE EXPERIMENT:

C-1c 550 - 610 Combined set of (6) @36° Possible R & D experiment.
C-2c 3800-4700
C-3C 6700 - 7300 (4) ~~equatorial~~ elements. 36° Lat.
C-4c 7900 - 8400 (4) equatorial elements.

7104D ---- NRL # 144 (24"diameter three-axis stabilized)

D-1 158 - 180 North Pole and two equatorial elements @ 90°
D-2 280 - 340 share the elements above.
D-3 4700 - 5300 (4) equatorial elements same as (C-3)
D-4 7300 - 7900 " " "

ALTERNATE EXPERIMENTS:

D-1d 200 - 240 ~~(4) equatorial or 36° lat elements~~ 3 @ 90° Apart ??? same as D-1
D-2d 5300 - 5900 " "
D-3d 5900 - 6700 " "
D-4d 8400 - 9100 " "

~~SECRET~~

Handle via ~~Talent-Keyhole~~ Control System Only

Ant.	V. Ant
18"	1
6"	1
2"	1
4"	1
3"	1
	8
5"	1
	1
	1
	1
	1
	1
	1
	1
	8
18"	1
13"	1
	2/2
	2/2
5"	1
	1
	3/3
	2/2
	13/9
18"	1
	2/2
	2/2
	1
	2/2
	2/2
	2/2
	12/12

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