WORKING DRAFT FOR USIB ~~TOP SECRET~~ [redacted]

Specific Design Goals for 7104

1. Four Payloads, each with eight Collection Experiments for a total of 32 discrete Experiments. Some duplication desirable.

2. Payloads 7104-A and B have duplicative coverage bands to support the [redacted] of NSA and SAC...Separation rates will be such that these two payloads will stay within 600 miles of one another for a period of one year.

3. Payloads 7104-C and D will have duplicative collection coverage bands for the above reasons and the separation rates will be ~~xxx~~ under command control from the ground, to adjust the ~~d~~separation rates and fix it at the most optimum distance.

4. Payload C will be two-axis stabilized with a Gravity Gradient (~~viscous magnetic damped~~ magnetic anchor viscous damper, by Philco & GE respectively) experiment similiar to that now successfully in use in 7103-C.

5. Payload D will have an R & D experiment to effect a three-axis stabilization of the payload and in addition an ~~R & D~~ experimental low-level Thruster will be used to attempt to ~~xxx~~ control the separation rate between this payload and the 7104-C payload. For all these Stabilization ~~xxxxxxxx~~ ~~The~~ success of ~~these two~~ efforts/~~xxxxxxxxxx~~ a circular orbit is necessary but not sufficient.

6- Payload 7104 D will be equipped in the 550 to 650 mc band to make measurements of the r-f signal level with 16 incremental steps each about 1 1/4 db.

7-

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

~~TOP SECRET~~ [redacted]