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## I. Operational Summary 7105, 7104 and 7103C

7103 C is now retired after four years of operational usage... it was the first successful Graviety Gradient Stabilized payload. During the past six months it had been used on the average  $4\frac{1}{2}$  times each day and the collection performance was still showing no degradation.

7104A & C are usable in daylight only and are tasked about 10 /day.

7105A is operable on daylight only otherwise 100% usable. } 12/day.

7105B, C & D are useable 100%

## II. General Search Capability during the past year has turned up several highly important signal which have been reported throughout the community....

A. x signal in the 14,400 to 14,800 Mcs region with a PRF of 7874 pps.

B. the 380 to 422 Mcs Mcw signal from [ ] has been intercepted repeatedly and finally in November it was associated with an [ ]

C. The 89.6 pps 2100-2200 Mcs signal from the [ ] was first heard by 7105C & D on 19 December and again on 22 Dec. These two ABM/AES success have placed this Program in a solid light for the Bread-and-Butter collection system in the community.

III. New Status for Overseas/<sup>DATA</sup>Acquisition sites....

A. They are all operational in permanent quarters now.

[ ] has been dropped beginning today.  
[ ] is on standby role supporting [ ].

*Examples →* B. The experience with the digitizing system in [ ] has been outstanding from the data observational-accuracy standpoint. Quality Control has been a problem because of the severe environmental and logistic support demands. Operator errors also have caused loss of a portion of the digital tapes. At this time the tape which for one reason or another does not qualify for Automatic Machine Processing at NSA is sent to the HRB-Singer plant at State College for Autopsy and the corrective action is fed back to the site.

C. The deployment of additional Field-Ditizers into the Pacific area is now under very active discussion. \$605K is on hand to cover the costs of up-dating the Digitizer at [ ] and purchase of one site's-worth for the Pacific area. At this time the Lab is funding through the ONR Contract # Nonr 5041(00)(X) the development of a second generation digitizer which will be Fixed-price purchased for each of the Field Digitizer systems.

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