

Code 5170

1 October 1962

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Code 5430

Payload 110 and 130

1. Payload experiment interface problems have led to this statement of requirements for the experiment of Code 5430:

a. Payload 110

Band D and C - Six antennas oriented on the 36° latitude
Length - $5\frac{1}{2}$ "

D - Six filter-detector mounts in the configuration $1 \times 1\frac{1}{2} \times 3$ "

C - Six filters $1\frac{1}{2}$ " dia. x 6" long
Six mounts $5\frac{1}{8}$ " dia. x $3\frac{1}{2}$ " long

B - Four antennas mounted on the equator equally spaced
between the elements of the turnstile, each measuring
7" long.

Six filters, tubular $1\frac{1}{2}$ " dia. x 6" long
Six mounts, tubular $5\frac{1}{8}$ " dia. x $3\frac{1}{2}$ " long.

A - Two antennas elements mounted at the north and south
pole and measuring 14" in length
Four filters, tubular $1\frac{1}{2}$ " dia. x 6" long
Two mounts tubular $5\frac{1}{8}$ " dia. x $3\frac{1}{2}$ " long

b. Payload 130

Band D - Symmetrical System of 6 antennas located at the
 36° latitudes.
Length approximately 1 and $\frac{1}{8}$ inches long
Six filter-detector mounts measuring 1" wide $\frac{1}{2}$ "
thick and 3 inches long.

B and C - Symmetrical system of 4 antennas 6" long located
at the equator equidistant between the elements
of the turnstile.

C - Six filters, tubular $1\frac{1}{2}$ " dia. x 6" long
Six mounts, tubular $5\frac{1}{8}$ " dia. x $3\frac{1}{2}$ " long.

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- B - Six filters, tubular 1/2" dia. x 6" long
 - B - Six mounts, tubular 5/8" dia. x 3 1/2" long
 - A - Two polar mounted antennas measuring 14" in length
 - A - Four filters, tubular 1/2" dia. x 6" long
Two mounts, 5/8" dia. x 3 1/2" long

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