TOP SECRET C [redacted]

[redacted] Copy #[redacted]

[redacted]

5 June 1967

[redacted]

cy [redacted]

[redacted]

MEMORANDUM TO HEADQUARTERS

TO: [redacted]

INFO: [redacted]

FROM: [redacted]

SUBJECT: Weekly Activity Report

REFERENCE: [redacted]

1. The reference TWX reported the planned travel of the Resident Office Staff for the period 5 thru 16 June 1967. This report will focus attention on the activity of the Staff for the period 29 May thru 2 June 1967.

2. Activities for the week of 29 May 1967.

Monday - 29 May

The Resident Office conducted normal operations.

Tuesday - 30 May

Holiday routine.

Wednesday - 31 May

The Resident Office conducted normal operations. Particular attention was given to the 400 cycle inverter/instrument power supply problem. Reports from Boston indicated that they had reduced the current load in the CR-1 configuration and the CR-3 configuration to within the spec values for the inverter. The power factor is within specification. The major problem remaining is the distortion. For the CR-1 configuration the distortion has been reduced to about an 8% level: for the CR-3 the distortion remains at about an 11% level when 29 volts is used: it is between 5½ and 6 per cent distortion at the 22 volt level. Tests are now being conducted on the inverter by [redacted] to see if in fact it cannot be qualified to meet the current modified power supply outputs.

Discussions with [redacted] indicated that there was no immediate need for a decision on the command generation programming for the 32 bit shift register, but that a decision should be made by the end of this month. [redacted] is preparing a position TWX for [redacted] This will be coordinated with [redacted] prior to release.

Thursday - 1 June 1967

The Resident Office conductd normal operations.

Information from [redacted] is that if we could guarantee a 25 July launch of CR-1 it would be flown, however, if this date could not be guaranteed then a J-1 payload would probably be flown on either the 18th or 20th of July. By telephone we informed [redacted] that we could not guarantee at this time a 25 July launch of CR-1 and suggested that if a decision were to be made now, the 18th or 20th of July launch should be planned.

Friday - 2 June 1967

The Resident Office conducted normal operations. [redacted] returned from leave. Latest information from [redacted] is one of the tests conducted today used an inductive type load on the inverter. This was accomplished by putting a transformer between the inverter and the instruments' power supplies. This test indicated that, in the mono operation the distortion was considerably improved, but when both instruments were operated the distortion was worse - about 13% in the fully loaded condition at 29 volts. More inductive tests will be conducted. Other tests run during the past few days indicated that with an all resistive load, the current slope of the current curve was considerably reduced and there was no distortion in the voltage curve.

Preliminary reports from the inverter tests at Inglewood indicate that there is some improvement in a mono operation using an inductive type load, however, they have not operated two loads from the same inverter. Another transformer is being sent to Inglewood to try dual tests.

3. Future Activities and Comments.

1. From PET Meeting on Mission 1041 to be conducted on the 6th and 7th of June at [redacted]

2. Budget Review Meeting to be held at [redacted] on 8 June 1967.

3. Information Transfer Meeting on System's Analysis to be held at AP on 8 June 1967.

4. A Joint Meeting among [redacted] nd Resident Office and [redacted] will be held at AP on 14 June.

5. Mission 1042 scheduled for launch on 13 June 1967.

6. Program Managers Meeting scheduled at AP on 20 June 1967.

7. The In Flight Disconnect (IFD) has passed [redacted] ITPB and is now qualified.

8. Tests conducted this week on low temperature operation of the recovery batteries gave most promising results which should obviate the need for redundant wires to the redundant battery heaters. With spec values at 50°F., of 10 volts and 16.8 amps, the batteries operated well above this at 20°F., (Average 10.375 volts and 17.82 amps with no readings below specs) and operated at 10°F., just slightly below spec values (Average 9.28 volts and 15.41 amps). [redacted] will submit evaluated report soon.

[redacted]