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DESIGN AND SYSTEM ENGINEERINGA. Accomplishments

1. Power system performance data for Pioneer 10 and Pioneer Saturn (initially designated Pioneer 11) were monitored through the reporting period and are shown in Figure 1. After adjusting for the telemetry characteristics, the estimated RTG system net power was 115 watts for Pioneer 10 and 116 watts for Pioneer Saturn. The telemetry signal quality from both spacecraft systems remains very satisfactory.
2. Power system data from the two Viking landers were not available during the reporting period. Monitoring of these data by NASA is intermittent, and priority of the Viking data acquisition has been reduced with time and interest in other missions. Additional Viking lander data will be reported as they become available.

FIGURE 1
RTG FLIGHT SYSTEM PERFORMANCE