

COMPUTATION CENTER  
October 22, 1963

FROM: N.M. Barnett  
SUBJECT: Calibration Run on 7090

A series of calibration tapes were made up in August 1963 representing express, regular, and long runs. These tapes are to be used to obtain timing information on the:

- 1) 7090 FMS system relative to the 7090 CTSS background system.
- 2) 7090 FMS system relative to the 7094 FMS system, and
- 3) 7094 FMS system relative to the 7094 CTSS background system.

Ten calibration tapes were run on the 7090 in August to complete the first of the three objectives listed above. The time to run the 7090 FMS system is used as the base index of 1. Column 2 shows the time to run FMS under CTSS but without foreground users. Column 3 is an estimated index of running time on the 7090 if the monitor phase of all jobs running under CTSS were allowed to run unprotected (I/O commands unchecked by the CTSS Supervisor). Tape density was 536 bpi.

	Reg. FMS	FMS with CTSS Supervision	FMS with Monitor phase unsupervised
Express runs ± 1 min.	1.0	1.55	1.15
Regular runs ± 5 min.	1.0	1.45	1.22
Long runs > 5 min.	1.0	1.12	1.08

The estimate in column 3 was arrived at by  
time at end of BSS from FMS + execution time from FMS with CTSS  
 total job time from FMS

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