

STATINTL

EVALUATION OF [] 1604 COMPUTER

FOR

PHOTOGRAMMETRY TASKS

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The accompanying lists display information about the

[] 1604 Computer which may be compared to the information included in an earlier study of the client's computing requirements.

The first list has the same information as Table 1, Survey of Computers, and the second has the same information as Table 2., Computing Times for Tasks on each Computer.

It will be noted that the [] 1604 provides an enormous computing capability at a quite moderate price. In fact, its capabilities suggest that it could be used to handle as much as a 20-to-100-fold increase in work load, operating the computer on one to three shifts respectively.

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Declass Review by NIMA/DOD

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<u>TABLE 1</u>	<u>1604</u>	<u>TASK</u>	
Time in m sec. for:		Interior Orientation	.1
add	.007	Space Resection	.8
multiply	.05	Control Extension (including space intersection)	.2
access	.004	Tri-Camera Solutions	.1
word size and internal number system	48 bits	Terrestrial Photogrammetry	.2
Main memory size	8-,16-, 32,000	Nadir and Altitude Reduction	.4
Monthly rental for:		Numerical rectification	.9
STATINTLBase computer		Photographic Rectification	.1
Paper tape		Electronic Rectification	1.0
Cards		CALCULATED TOTAL HRS/MO:	3.8
Magnetic tape		ESTIMATED RANGE HRS/MO: Low	2-
Printer		High	6
Floating point			
Months before delivery	12		

6/1/59

Dear Bob

STATINTL

At the time our study was done there was not sufficient information available on the 1604 to make a comparison with the other computers. This is no longer the case, so I asked [redacted] to write up an addendum to the earlier report, which I have enclosed. Please do not hesitate to call on us for additional assistance on this item.

STATINTL

I talked to [redacted] this morning. I told him of our discussions re the P.I. Cell, and he will reflect them in the proposal he is preparing. He continues to be extremely enthusiastic about the opportunity to work with you, as do we all.

It was very pleasant to see you and John yesterday, and I look forward to seeing you soon in the east. Best regards to Art and the gang as well as to the fair sex.

Dick