Summary of Study (Intensity) NO.31

	MULTITURN	EARLY MONITOR 4 ms	LATE MONITOR	COMMENT
BEFORE STUDY	$1-1.2\times10^{12}$ p/p	7×10^{12} p/p	5×10^{12} p/p	combined print without damper
TUES. 5/22	1.4×10^{12} ⑤, ⑥	$8-8.5\times10^{12}$	$\leq 6.3\times10^{12}$ p/p	LATE MONITOR SATURATING ①, ②, ③, ④ (1.25)
WED. 5/23	1.4×10^{12} ⑤, ⑥	8.5×10^{12}	$\leq 8.27\times10^{12}$ p/p	LATE MONITOR SATURATING ⑦, ⑧
THURS 5/24	$1.8-2\times10^{12}$ ⑤, ⑥	$8.5-9\times10^{12}$ ⑪	$\leq 9.78\times10^{12}$ ⑩ ⑫	LATE MONITOR (1.73) ⑦, ⑧, ⑨.

JWH 6/15/73

Code for page (1)

(1) clamp raised — 1×10^{12}

(2) off frequency on flattop eliminated

(3) dwell time lengthened

(4) all magnets retracted — E10

(5) Linac improvement

(6) Injection improvement —

(7) No loss of initial bunching

(8) Early bunching — on frequency

(9) Vertical orbit harmonic correction (9th)

(10) Rates of low-level sum signal, $\frac{THUR}{WED} = \frac{6.2}{4.8} = 1.3$

(11) Early monitor did not increase.

(12) B15 transformer check — (2:1) and 1.22 turns ratio