LS-47
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INJECTION SYNCHROTRON PARAMETERS

A CELL

	L (m)
QD/2	0.3
DRIFT	0.14565
VC(A1 ONLY - ALL OTHERS DRIFT)	0.2
DRIFT	0.14565
BEND	2.406
DRIFT	0.14565
SF & HC	0.2
DRIFT	0.14565
QF	0.2
DRIFT	0.4913
BEND	2.406
DRIFT	0.14565
SD & VC	0.2
DRIFT	0.14565
QD/2	0.3

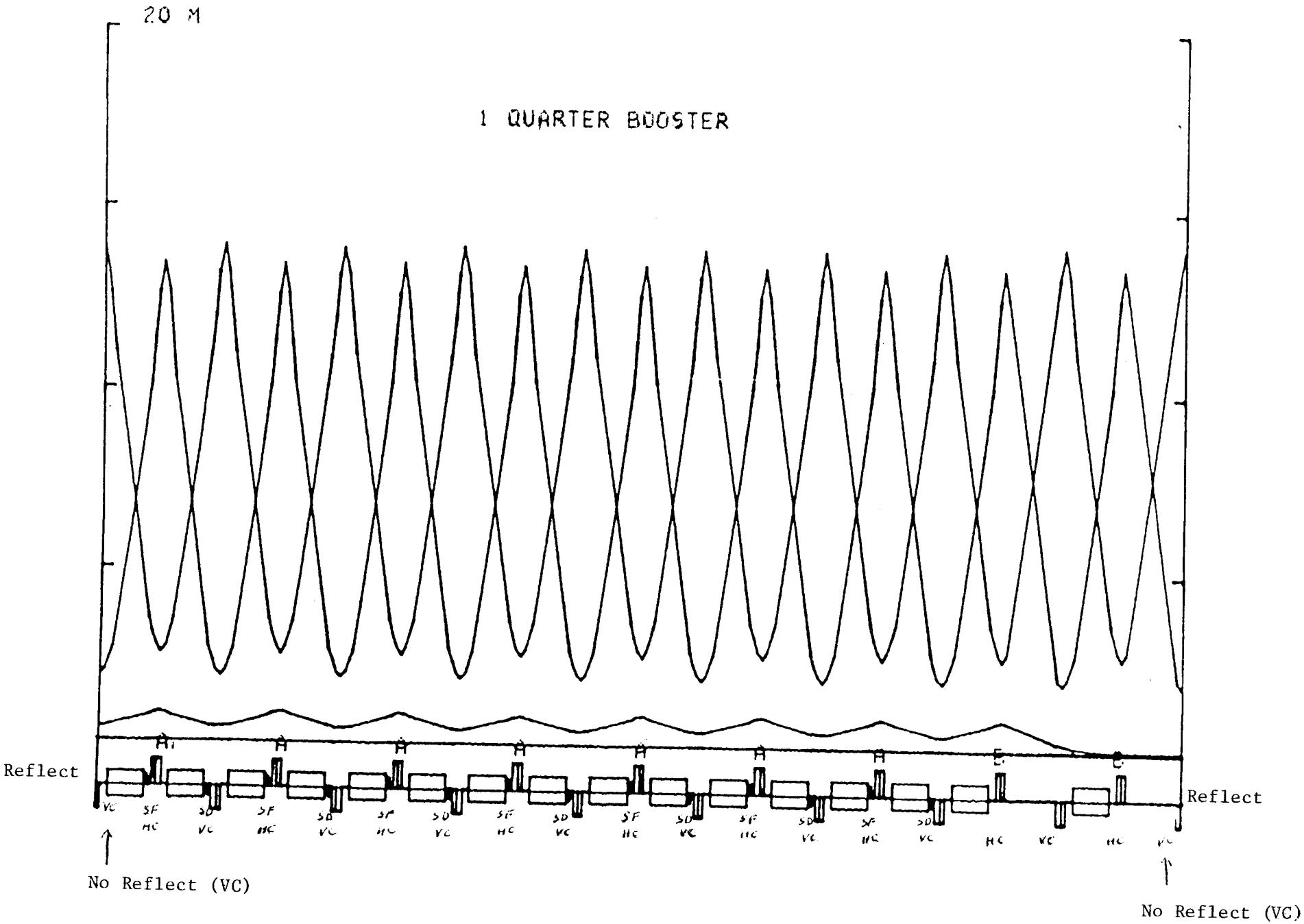
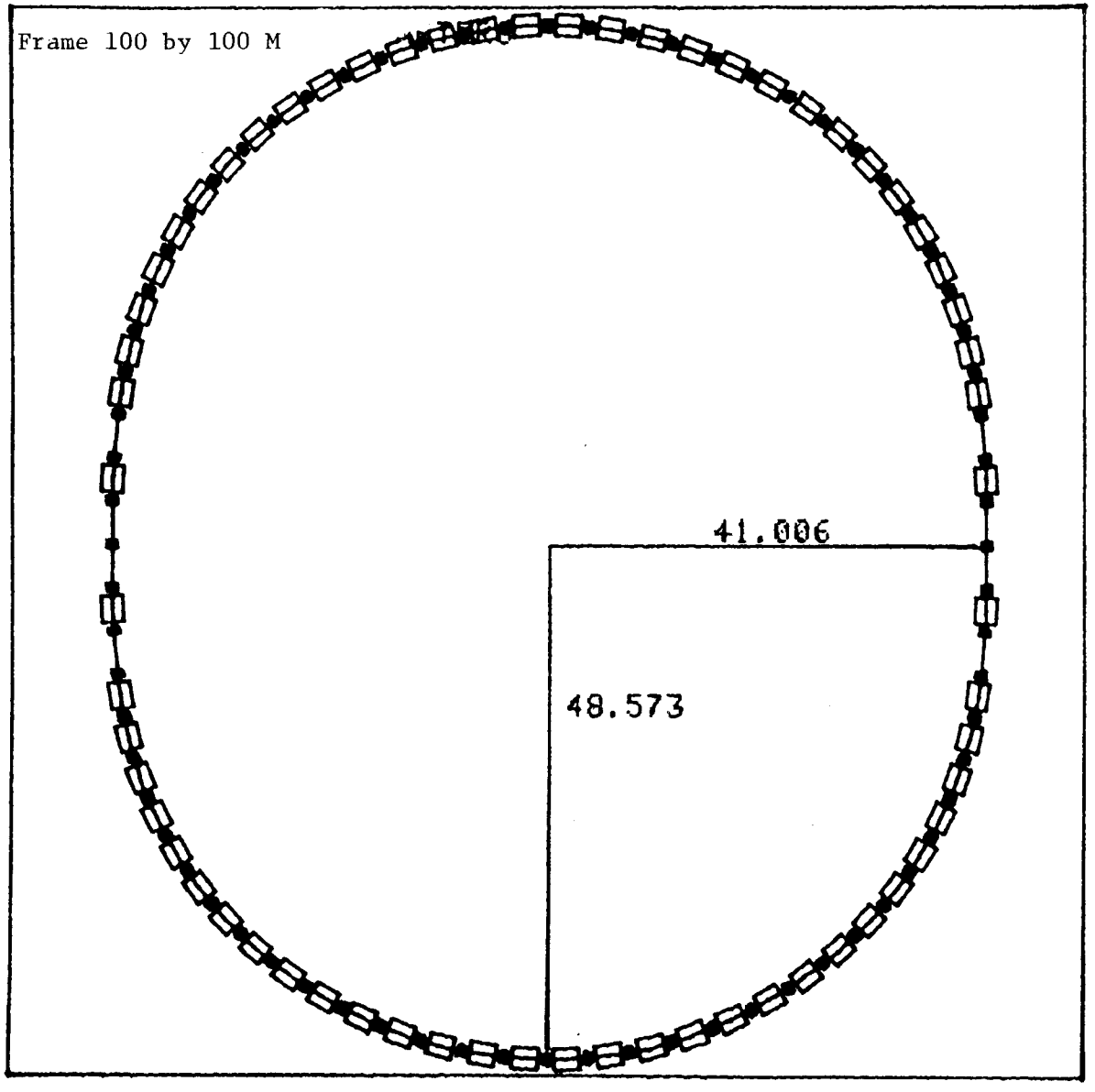
B CELL

QD/2	0.3
DRIFT	0.4913
BEND	2.406
DRIFT	0.14565
HC	0.2
DRIFT	0.14565
QF	0.6
DRIFT	3.04295
VC	0.2
DRIFT	0.14565
QD/2	0.3

QF-HORIZONTAL FOCUSING QUADRUPOLE	13.6457 T/M
QD-HORIZONTAL DEFOCUSING QUADRUPOLE	12.0275 T/M
SF-HORIZONTAL FOCUSING SEXTUPOLE	81.0 T/M^2 (B")
SD-HORIZONTAL DEFOCUSING SEXTUPOLE	134.0 T/M^2
VC-VERTICAL CORRECTION MAGNET (HORZ. FIELD)	0.07 T
HC-HORIZONTAL CORRECTION MAGNET (VERT. FIELD)	0.07 T

BEND-BEND MAGNET ρ = 24.5073 m
ALL VALUES AT 6 GeV

NOTE: Do not double the VC at the reflection points (i.e., only one VC next to the QD).


20 M
1 QUARTER BOOSTER
Reflect
Reflect
No Reflect (VC)
No Reflect (VC)

INJECTION SYNCHROTRON