# TD24 Summary (3)

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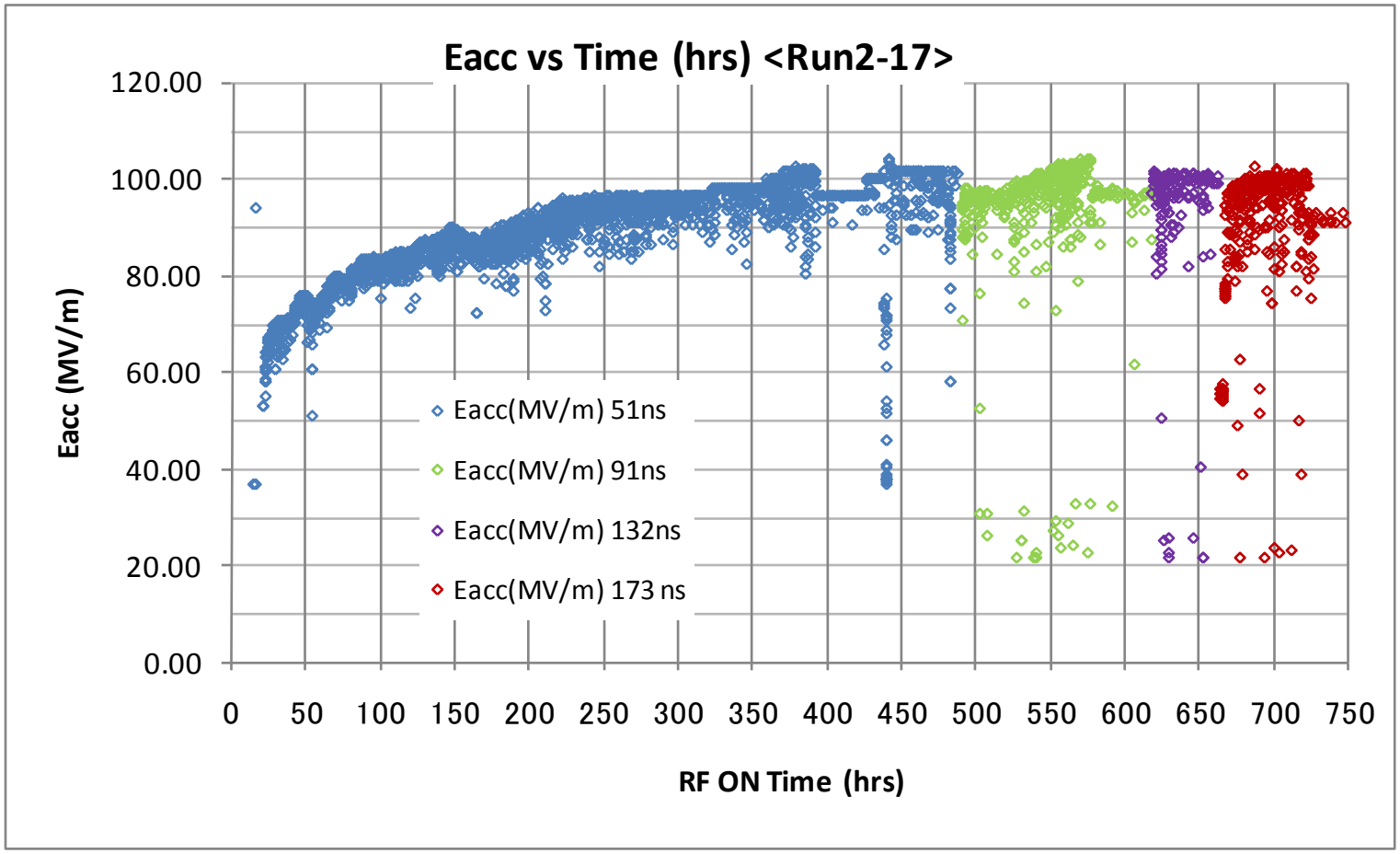
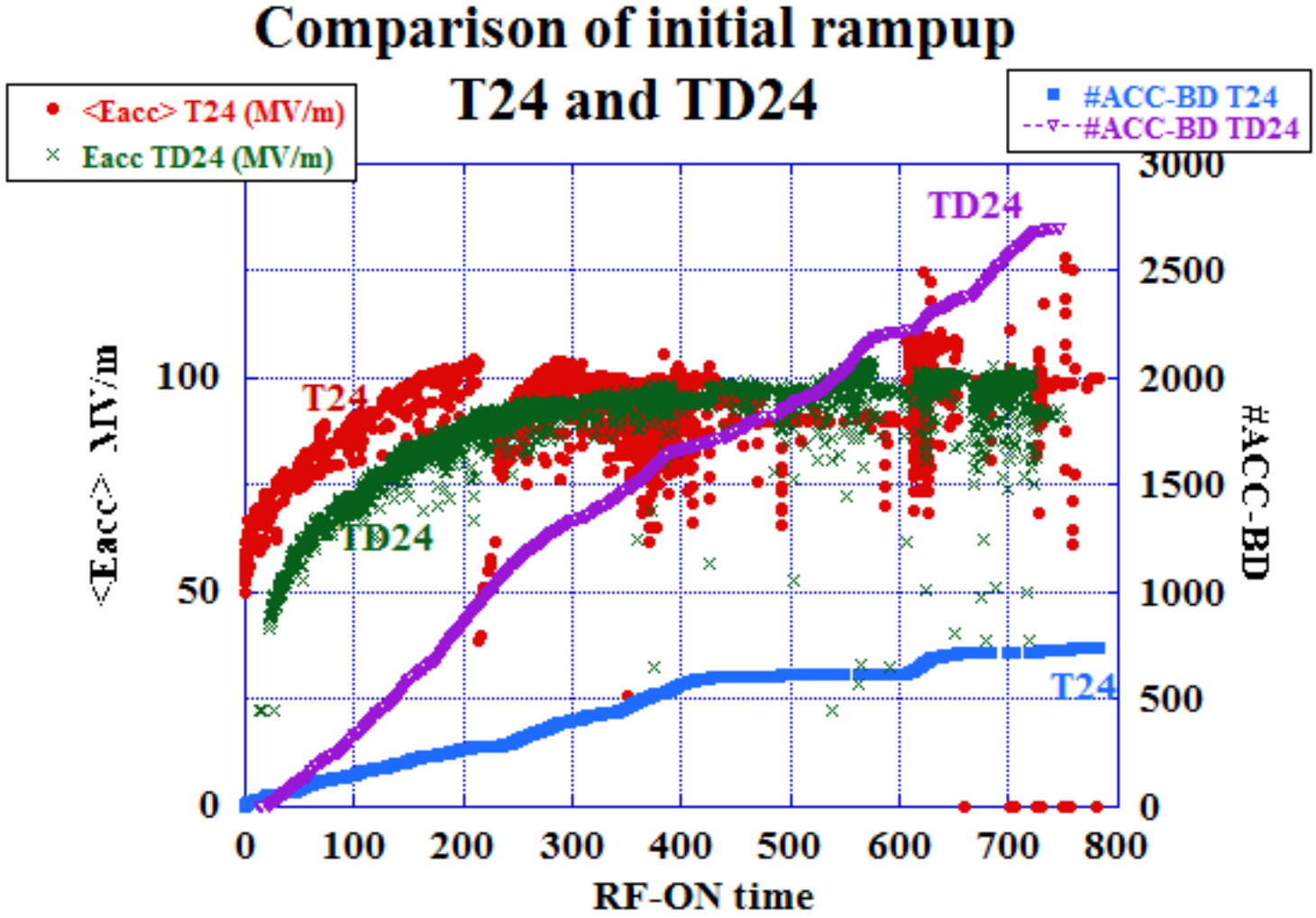
# History

- TD24#4 was installed into Nextef in August.
- It has been being processed from early September.
- It passed about 750 hours as of now.
- Pulse width increased as 51, 91, 132, and now 173nsec.
- Stable operation with Eacc~100MV/m is established before increasing pulse width.
- It is on the way toward our usual, nominal goal of (100MV/m, 240nsec).

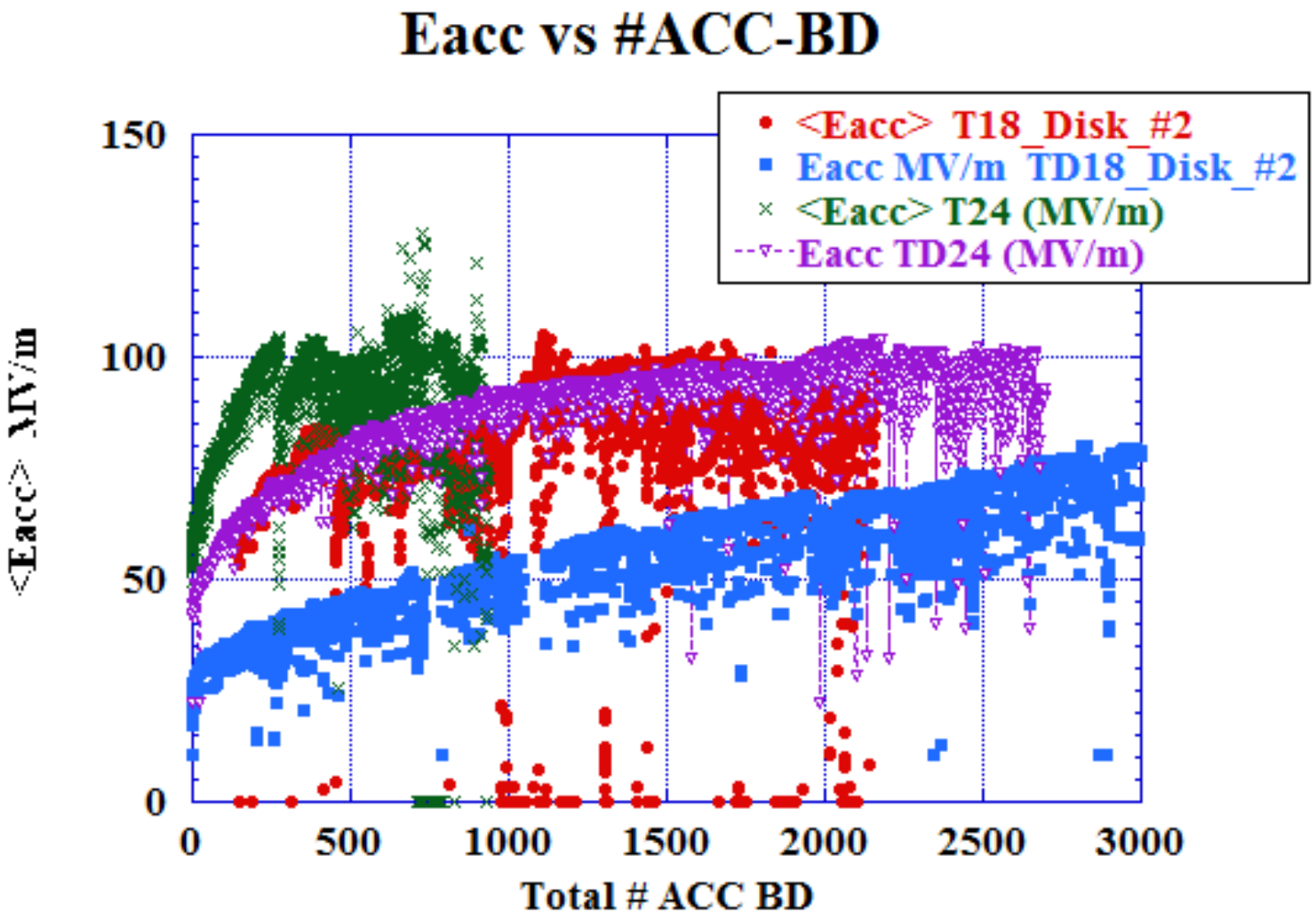
# TD24#4 processing at Nextef



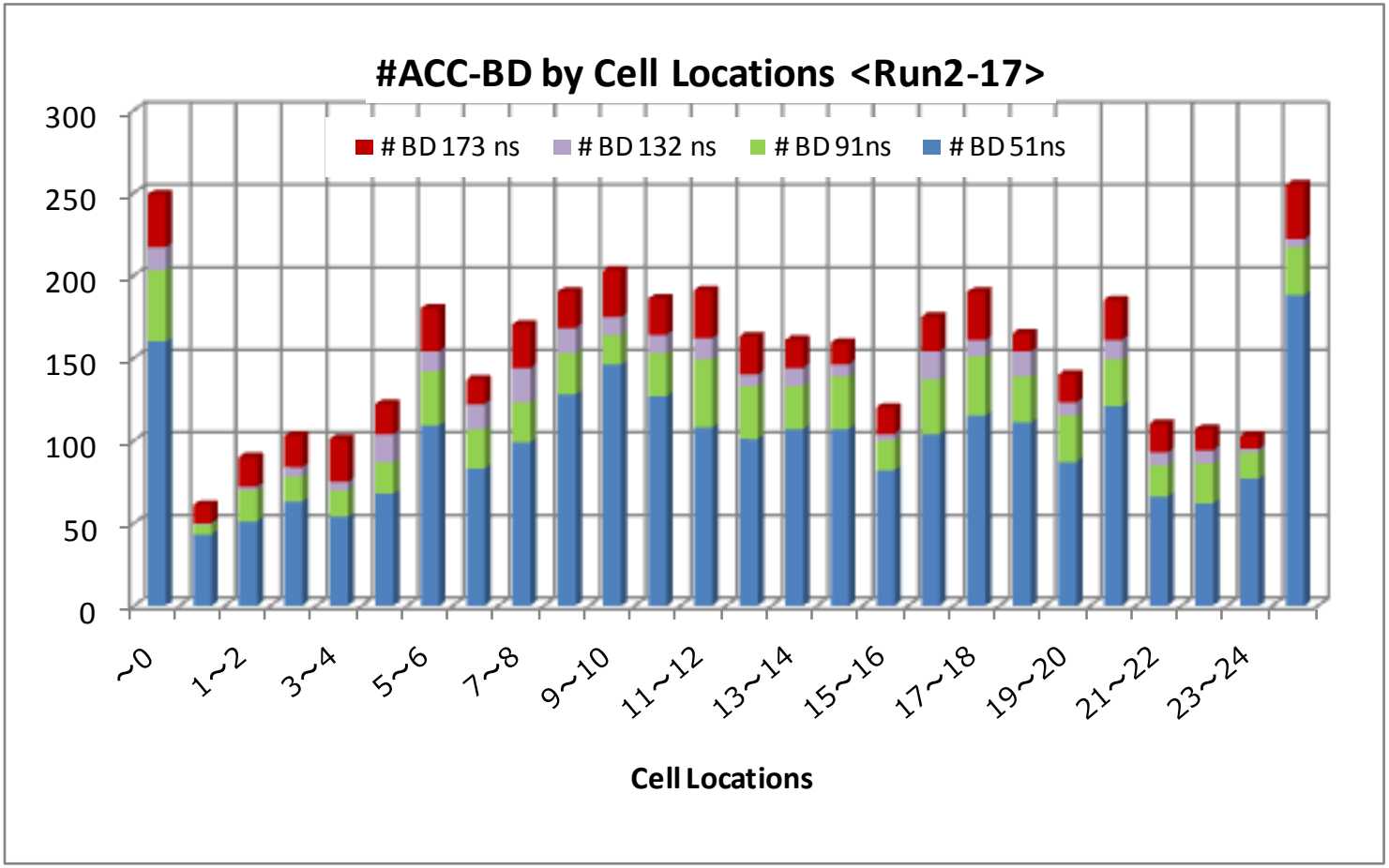
# Comparison between T24 and TD24 at Nextef



# Comparison among four CLIC-prototype structures tested at Nextef



# TD24#4 Location of BD cells



# Performance of TD24#4

- It reached 100MV/m at 173nsec after 700 hours at 50Hz.
- $E_{acc}$ ramping speed as a function of #BD is similar to T18, saying “much faster than TD18,” but slower than T24.
- BDR will be evaluated after widening pulse to 240nsec.
- Very rough estimate of the BDR at 90MV/m, 173nsec seems ~1BD/hour, ~$2 \times 10^{-5}$bpp/m.