Spray Enhancement of ACC Performance at Crockett Co-Generation Plant

Patrick Morris

J.S. Maulbetsch

M. N. DiFilippo

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Crockett Cogeneration
550 LORING AVENUE

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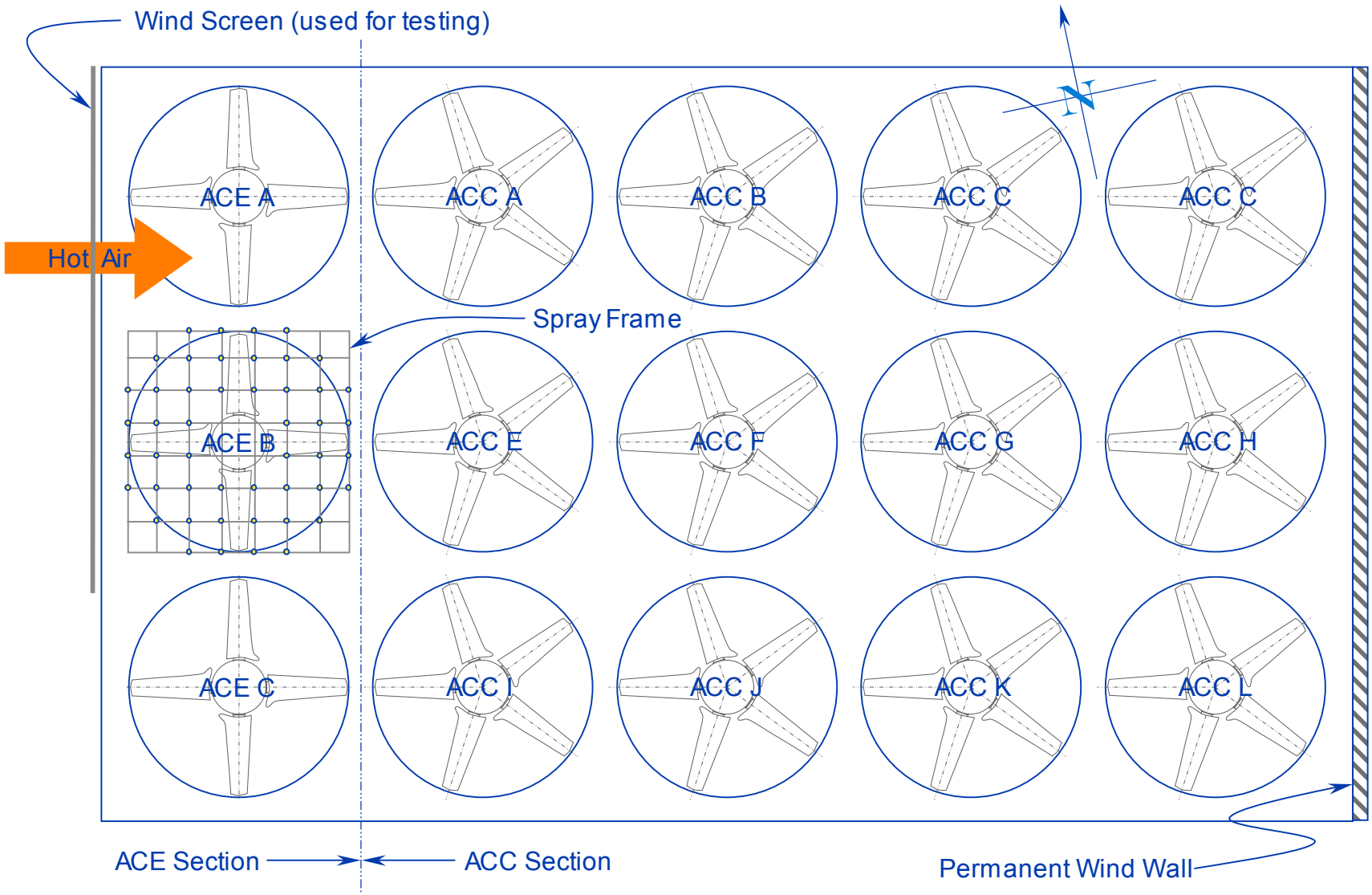
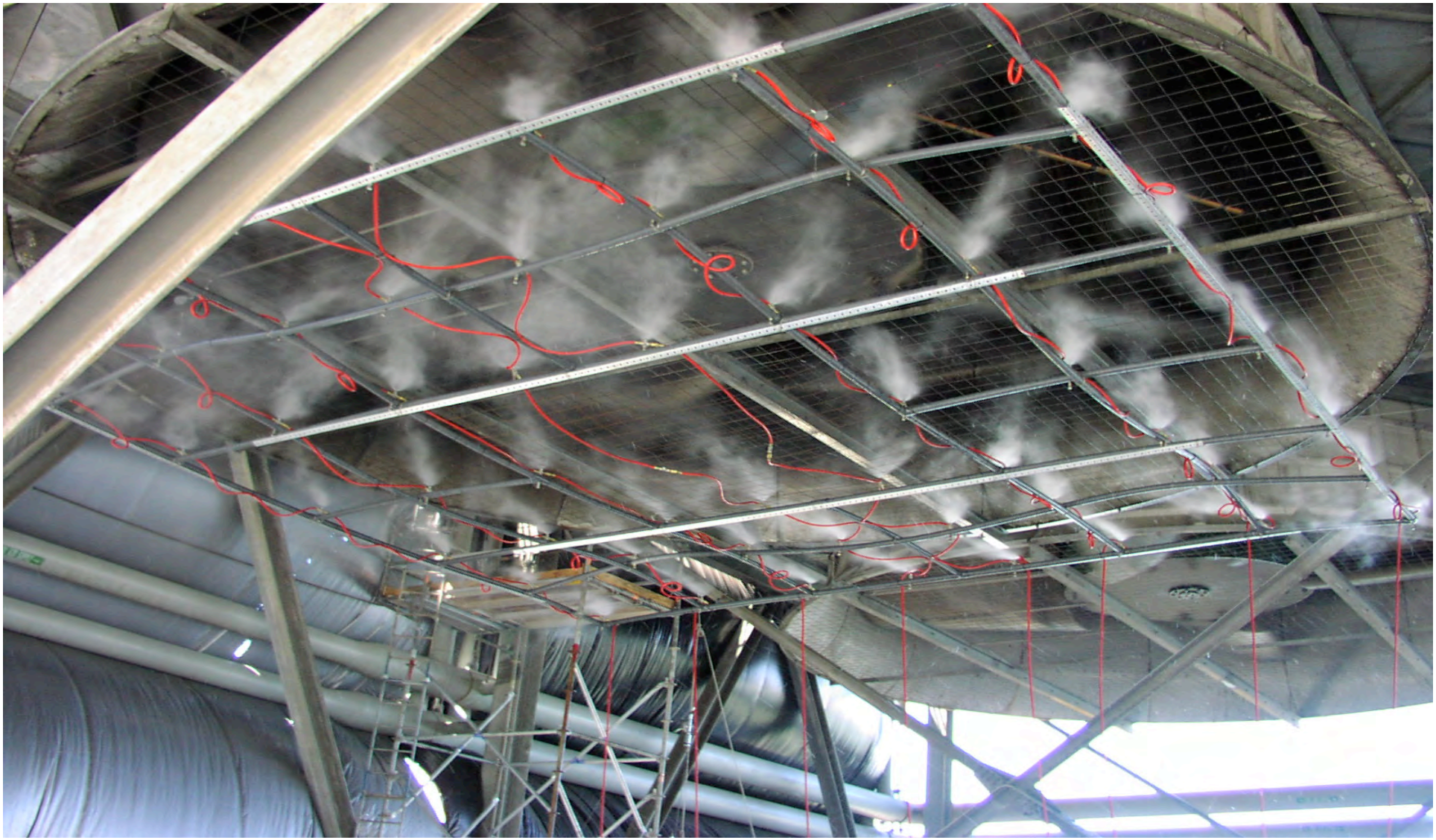


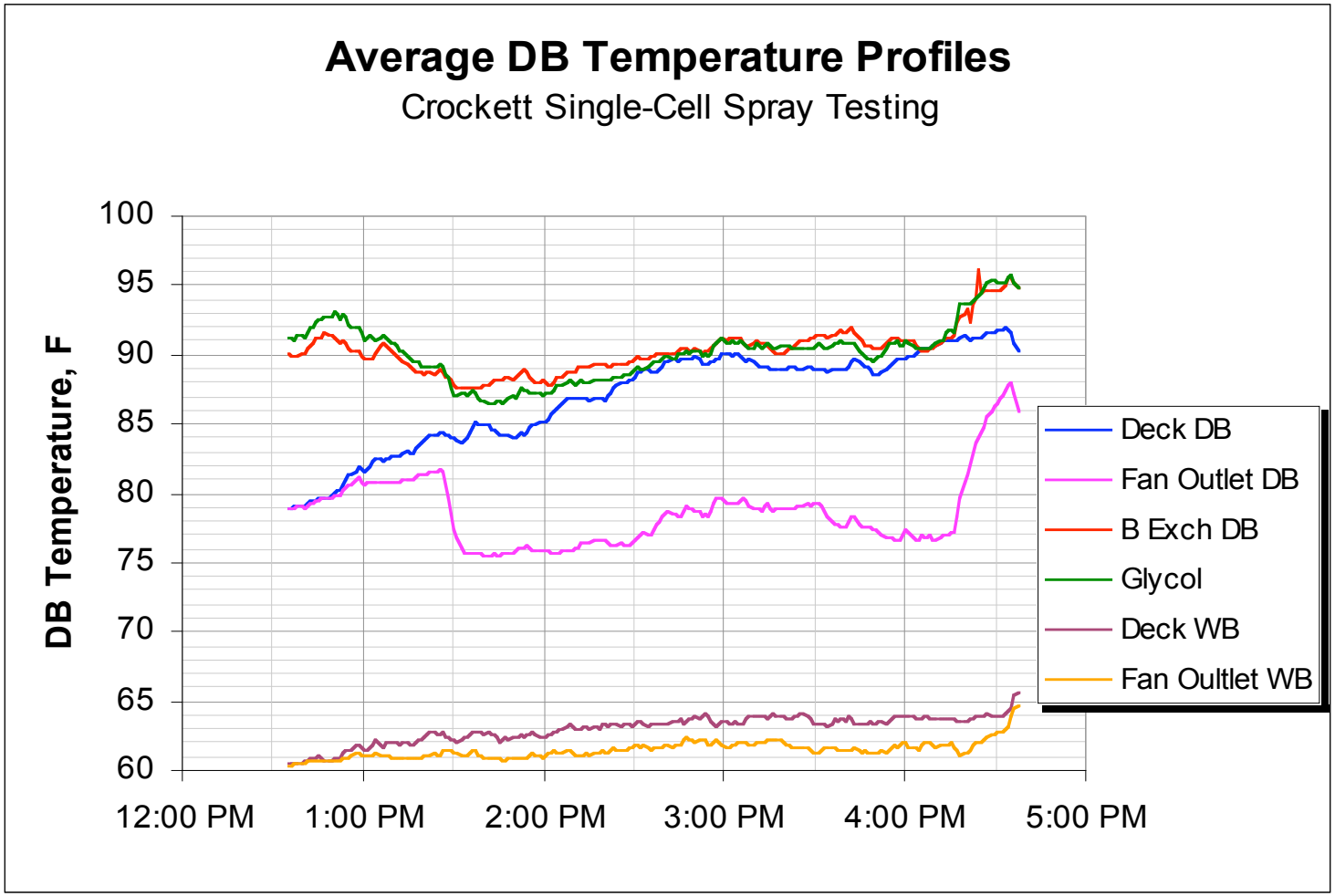
Plant Fan Arrangement

Crockett Cogeneration

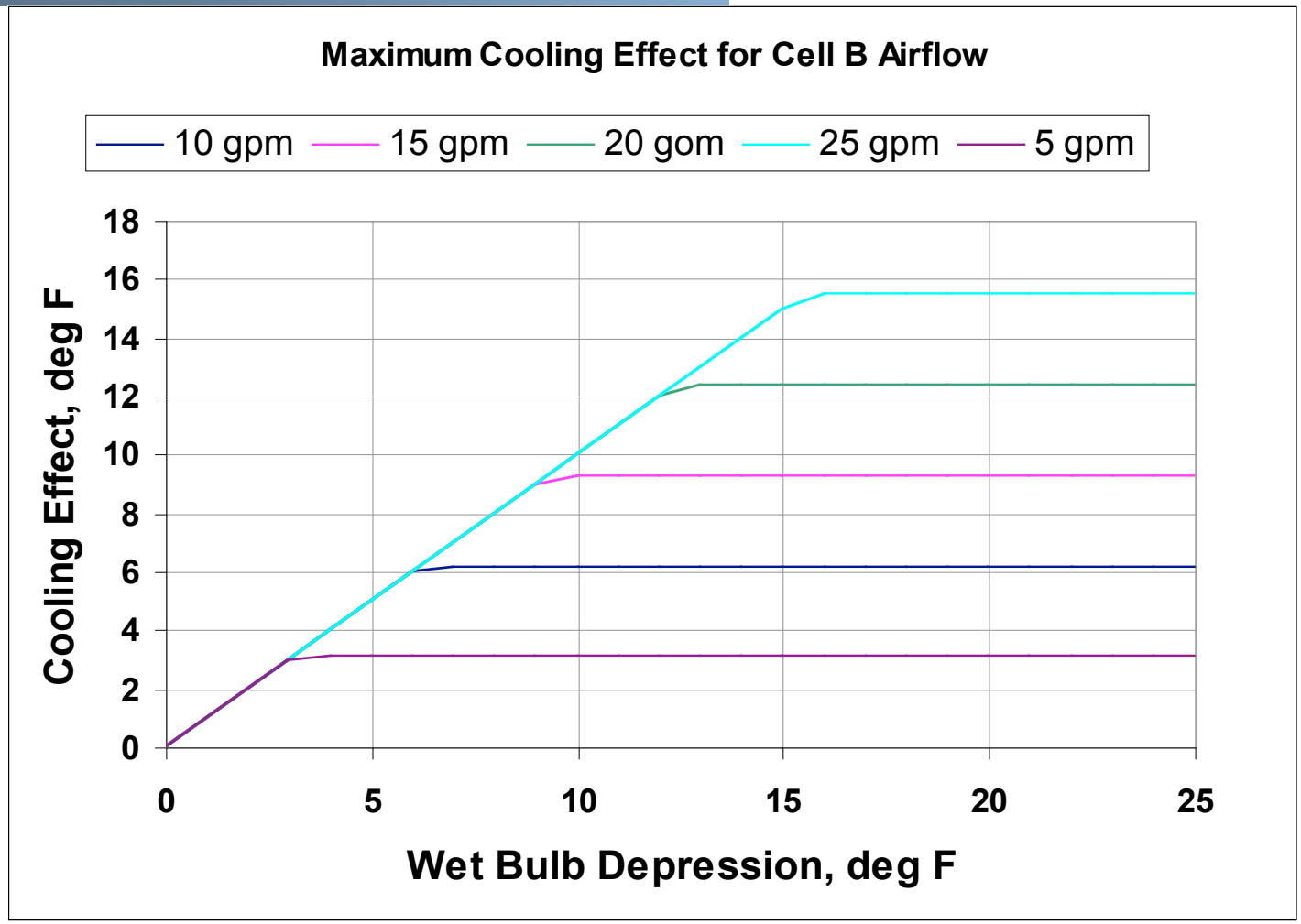
Spray Enhancement Test Setup



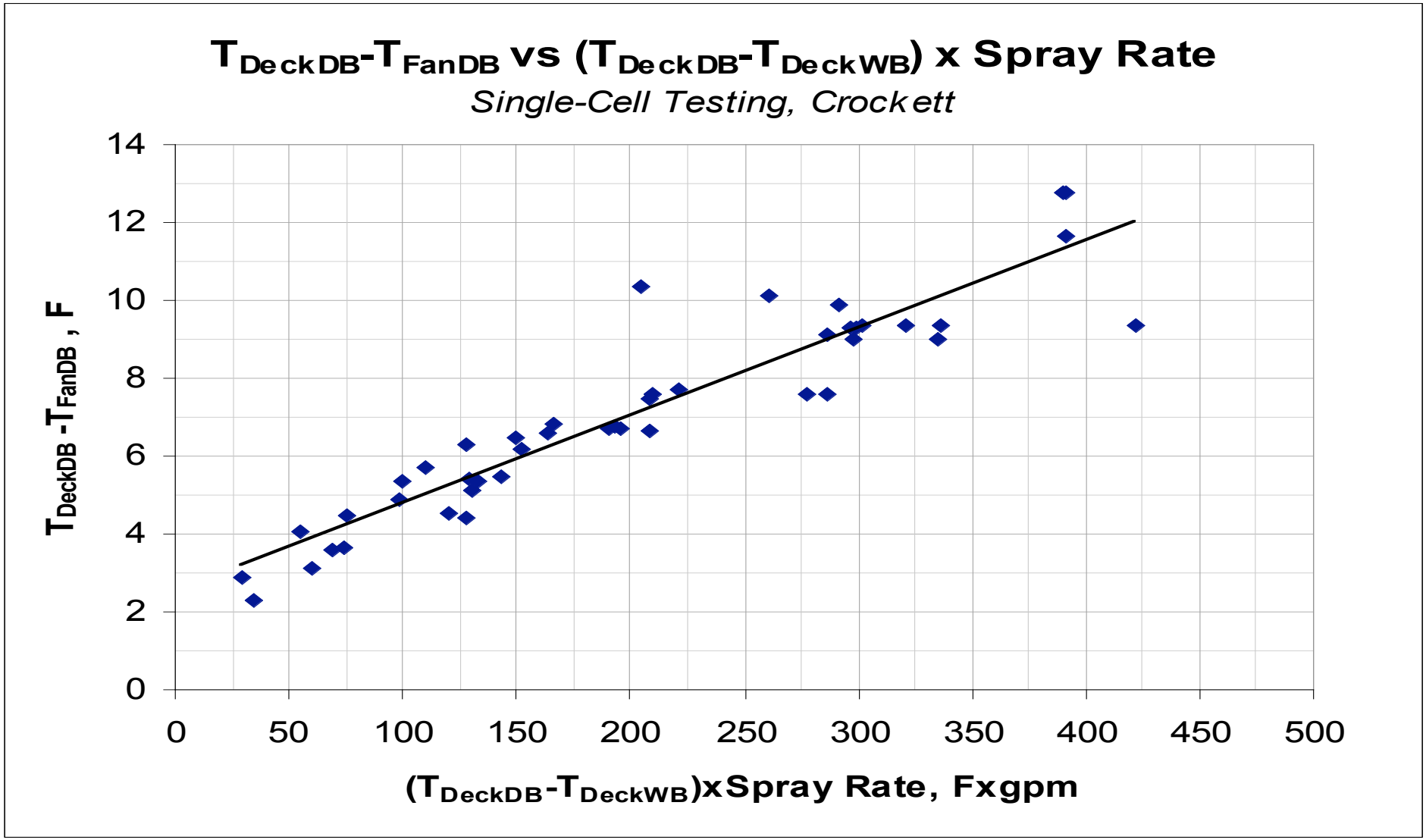
Hot Day Performance



Maximum Cooling Effect



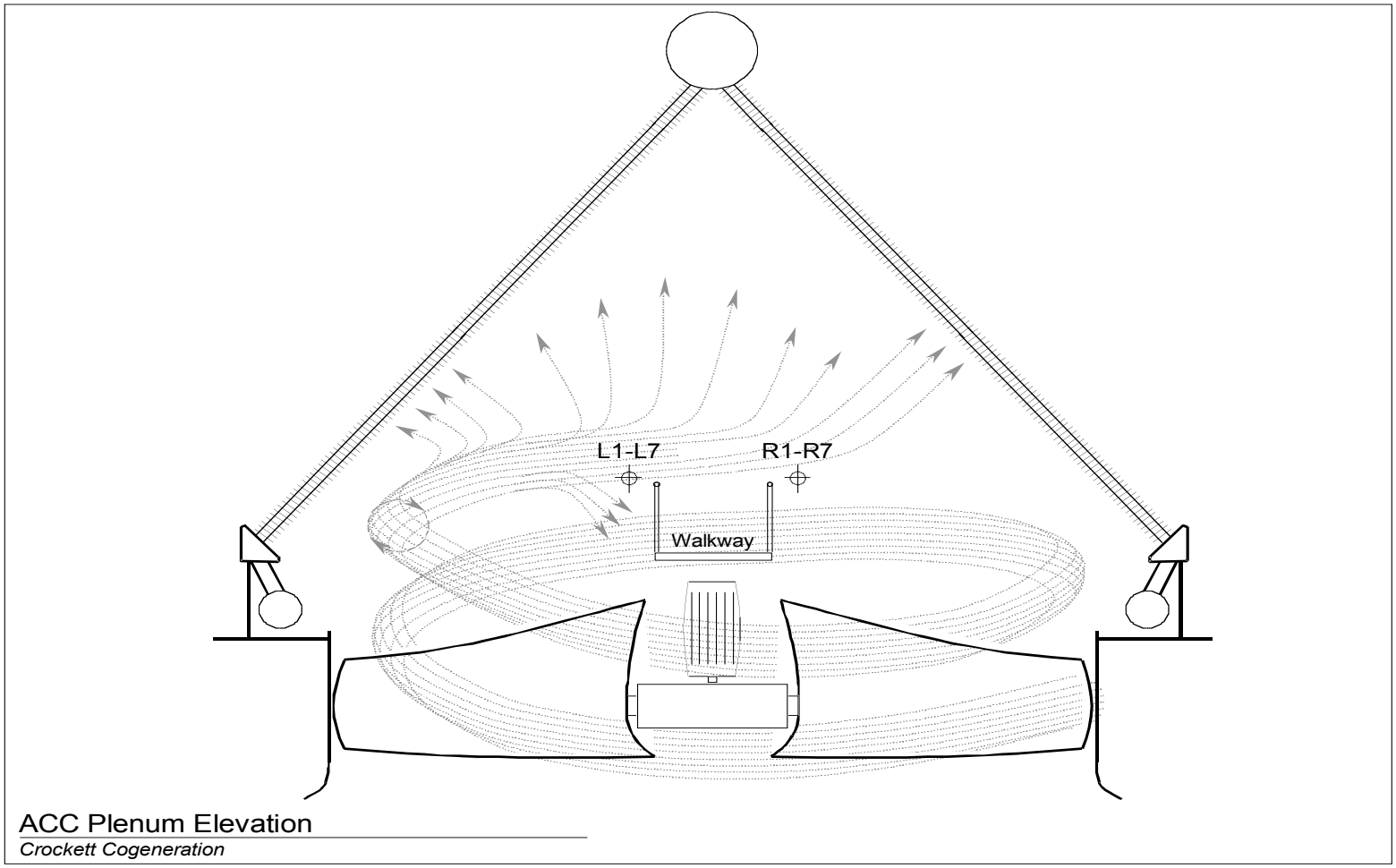
Data Correlation



E-OIL

E-01L

Air flow pattern inside cell



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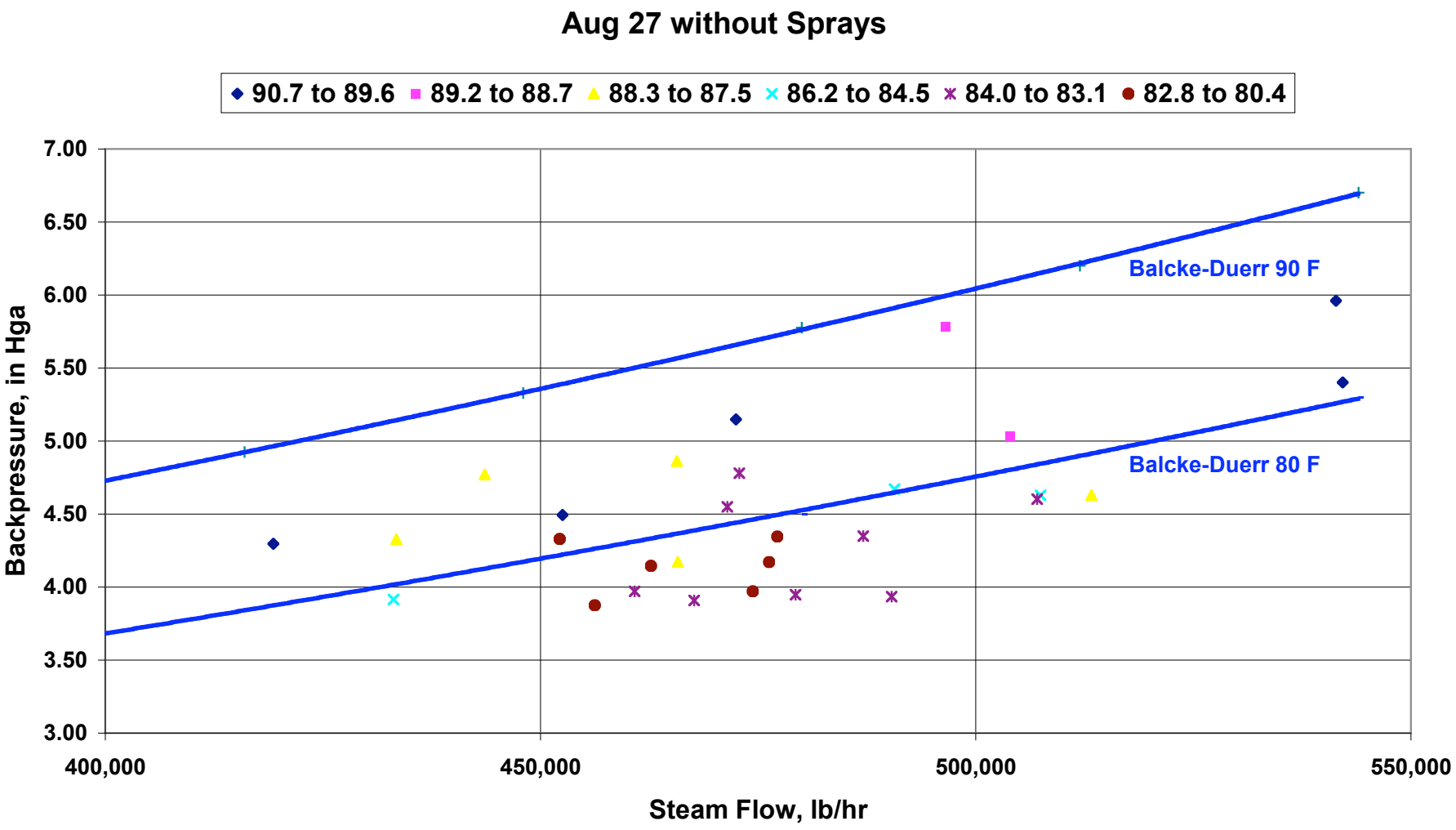
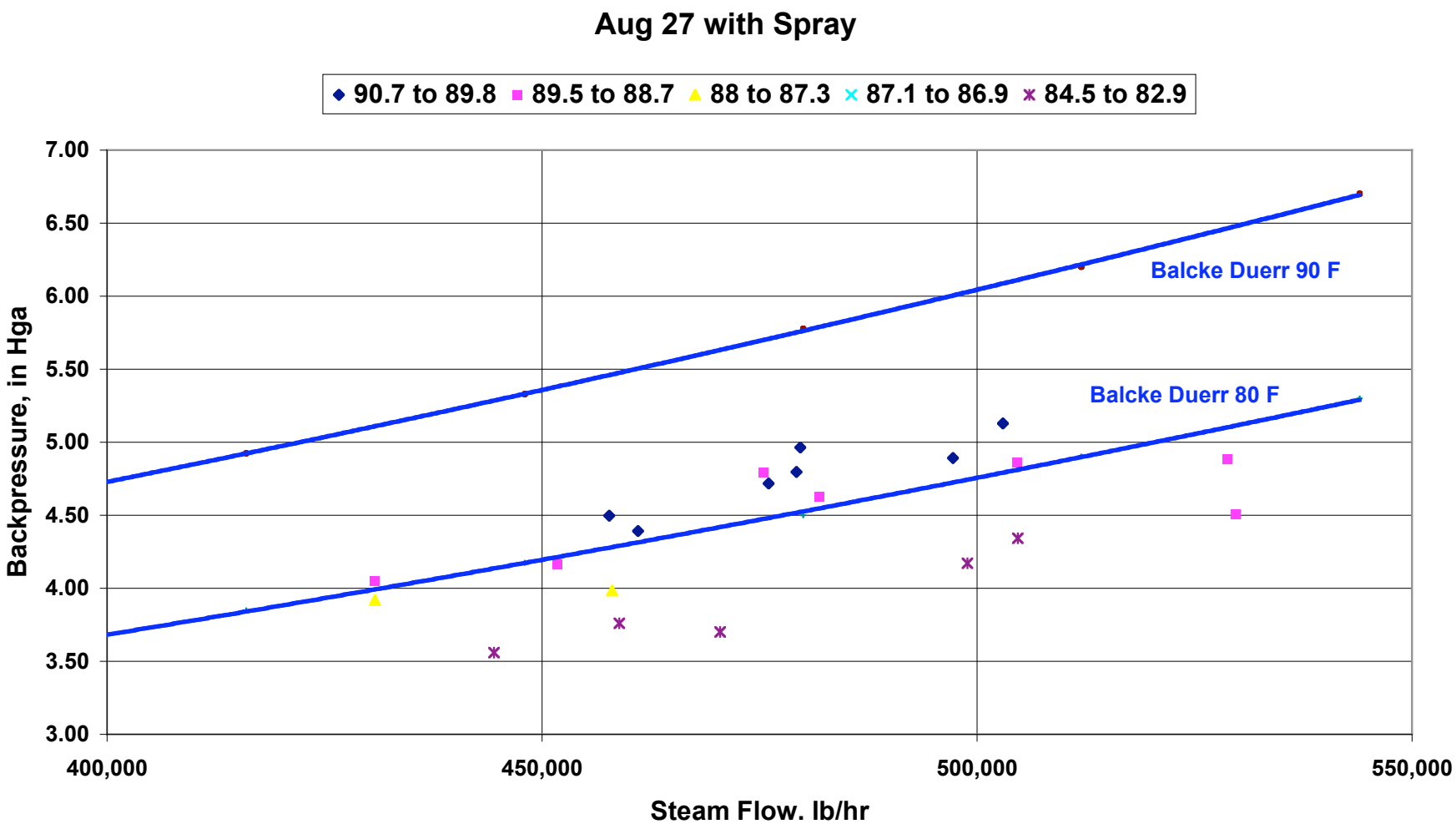
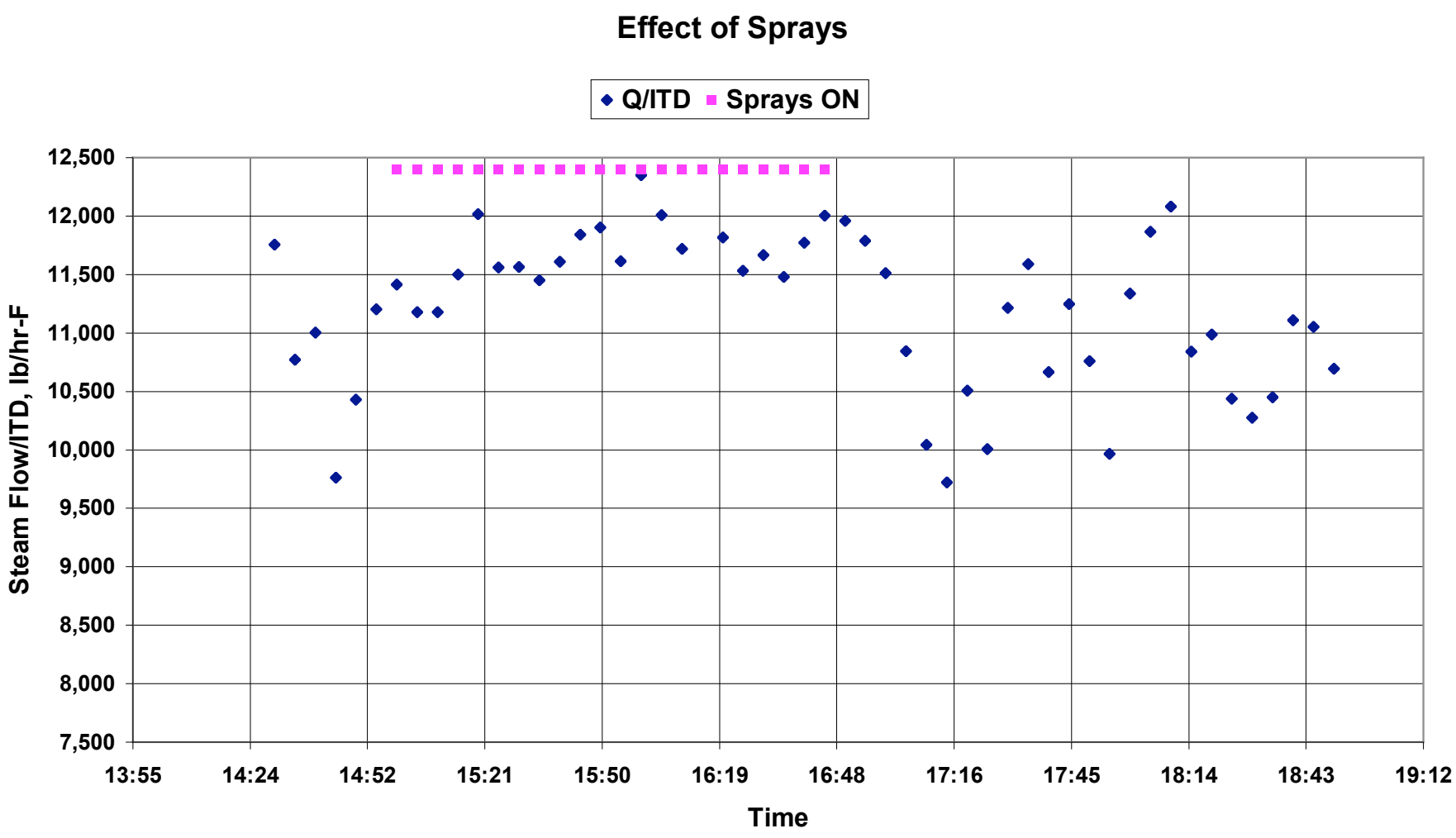
Unsprayed Performance



Sprayed Performance



Effect of Sprays



Summary

- ✓ Cooling effect correlation developed (1/2 F per gpm)
- ✓ Flow visualization helps orient nozzles and reduce surface wetting
- ✓ Hot day performance consistent with correlation