

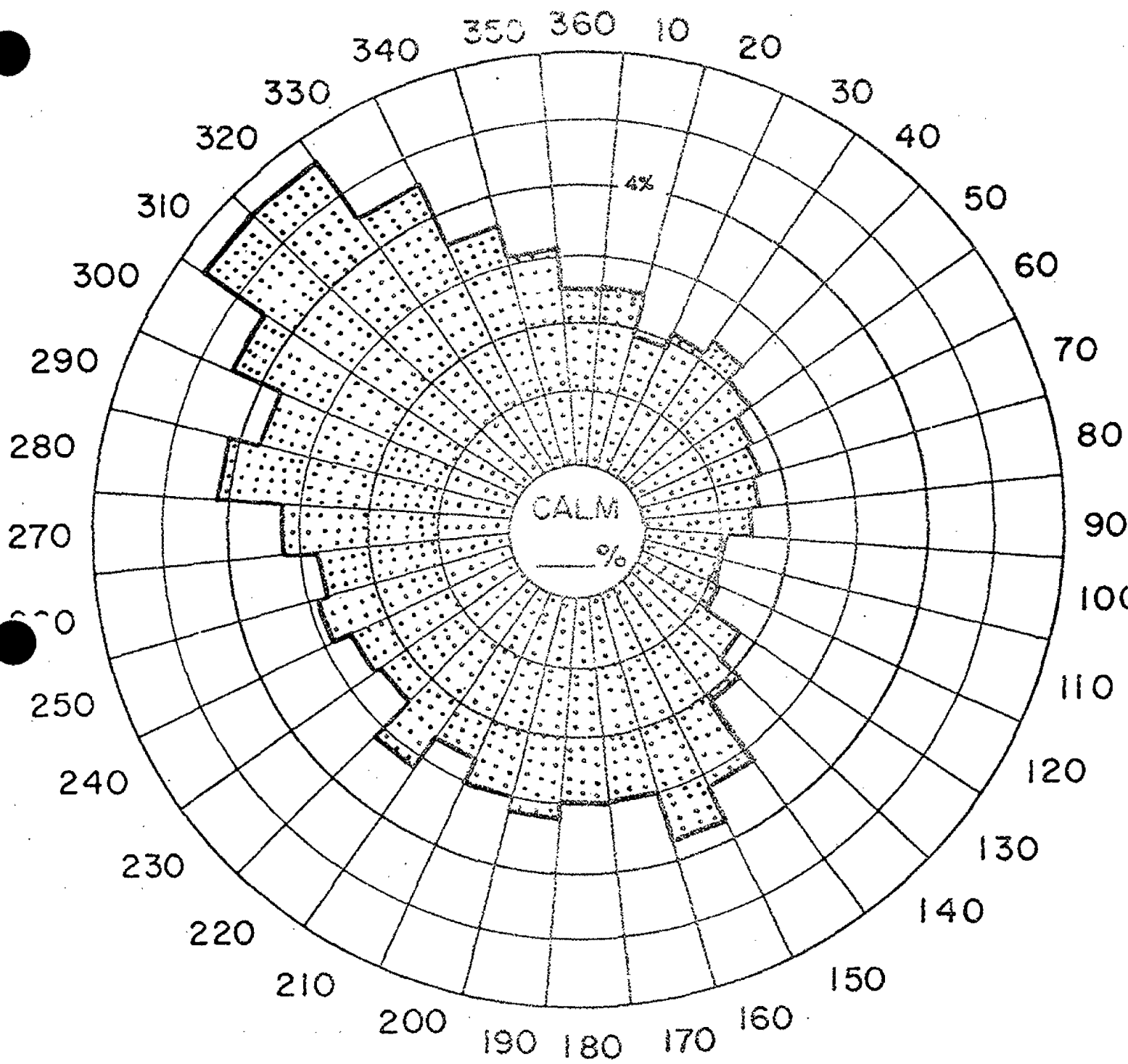
REVISION 6
FEBRUARY 15, 1987

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
SALEM NUCLEAR GENERATING STATION

Sources of Meteorological Records

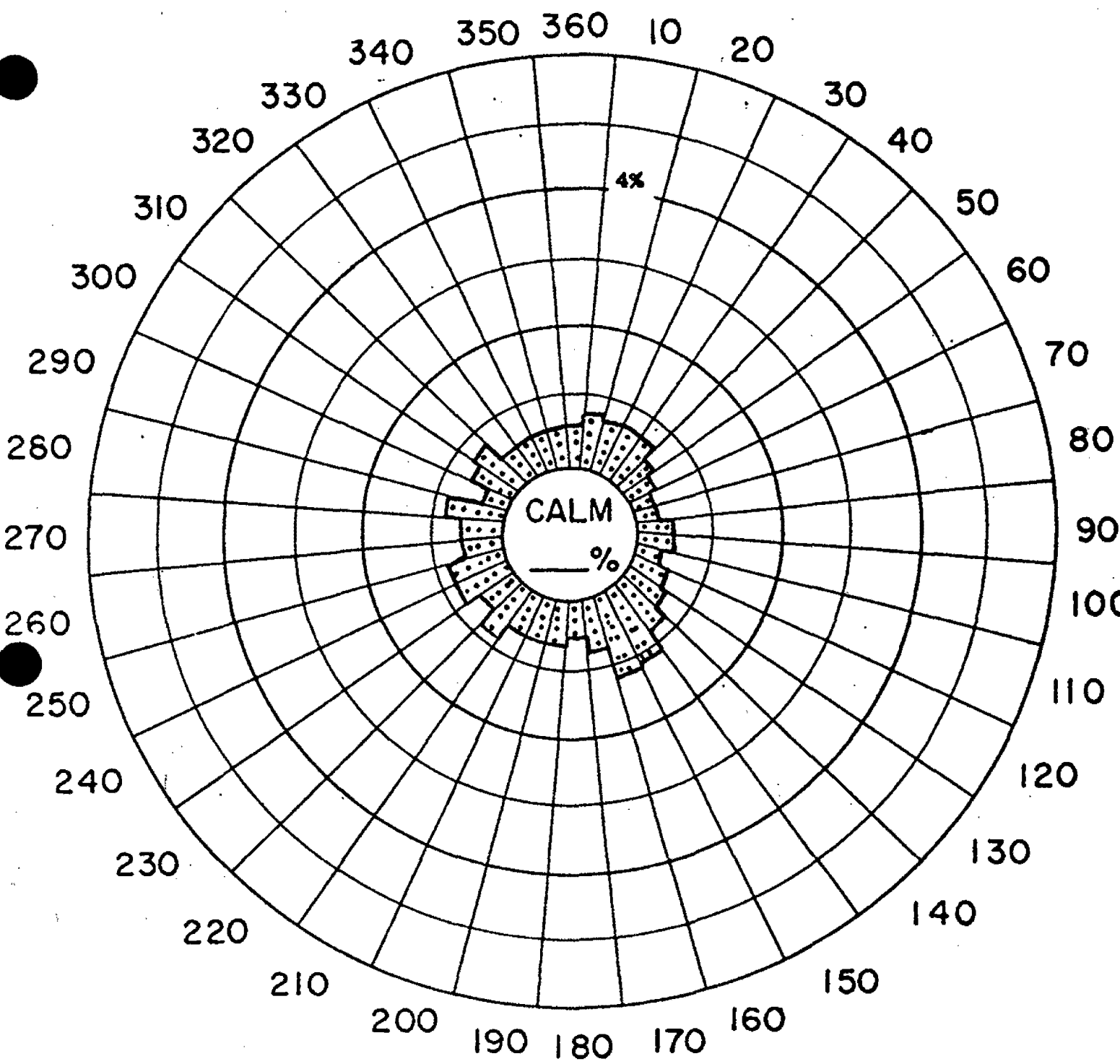
Updated FSAR

Figure 2.3-1



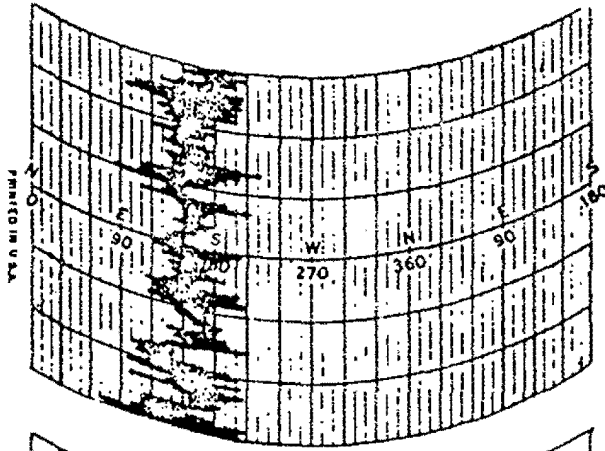
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PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Two-Year Wind Rose - All Hours	
	Updated FSAR	Figure 2.3-2



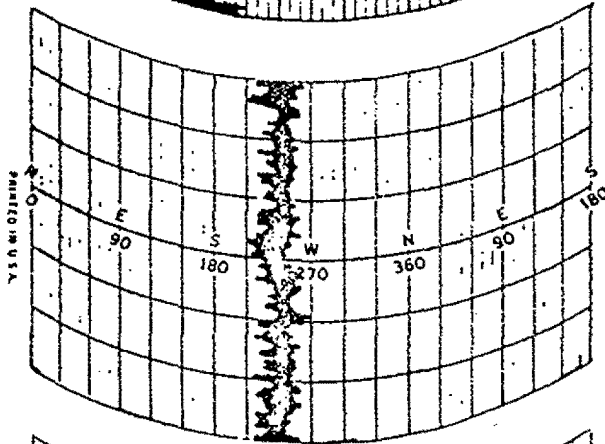
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 FEBRUARY 15, 1987

PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Two-Year Wind Rose - Only Hours With a Stable Stability
	Updated FSAR Figure 2.3-3



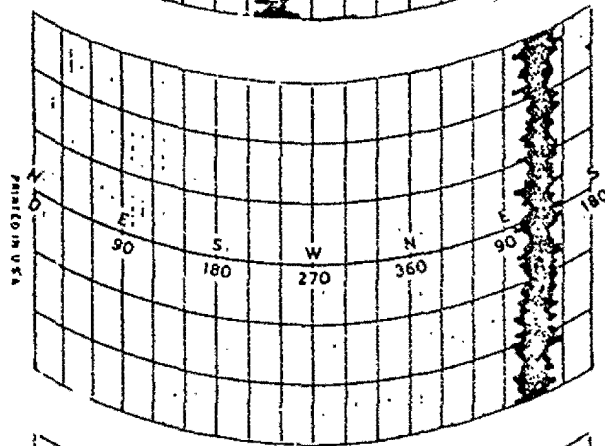
CLASS I

LARGE, LAZY CONVECTIVE EDDIES CAUSED BY HEATING AIR CLOSE TO THE GROUND. MOST FREQUENT ON SUMMER MORNINGS WHEN WIND SPEEDS ARE LIGHT AND LAKE BREEZES ARE NOT PRESENT.



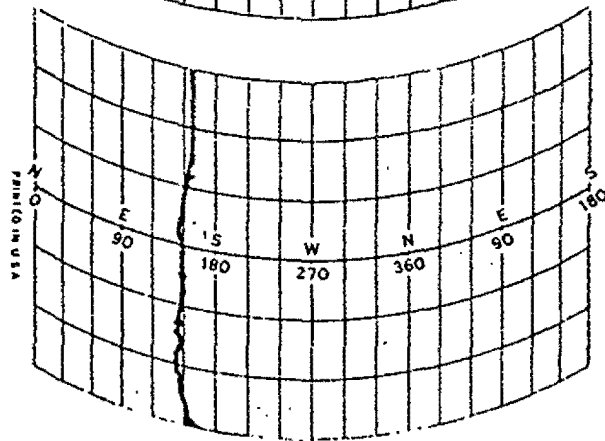
CLASS II

TYPICAL DAYTIME TRACE HAVING A MIXTURE OF CONVECTIVE AND MECHANICAL TURBULENCE. FLUCTUATIONS ARE MORE SUBDUED WITH ON-SHORE WINDS THAN OFFSHORE.



CLASS III

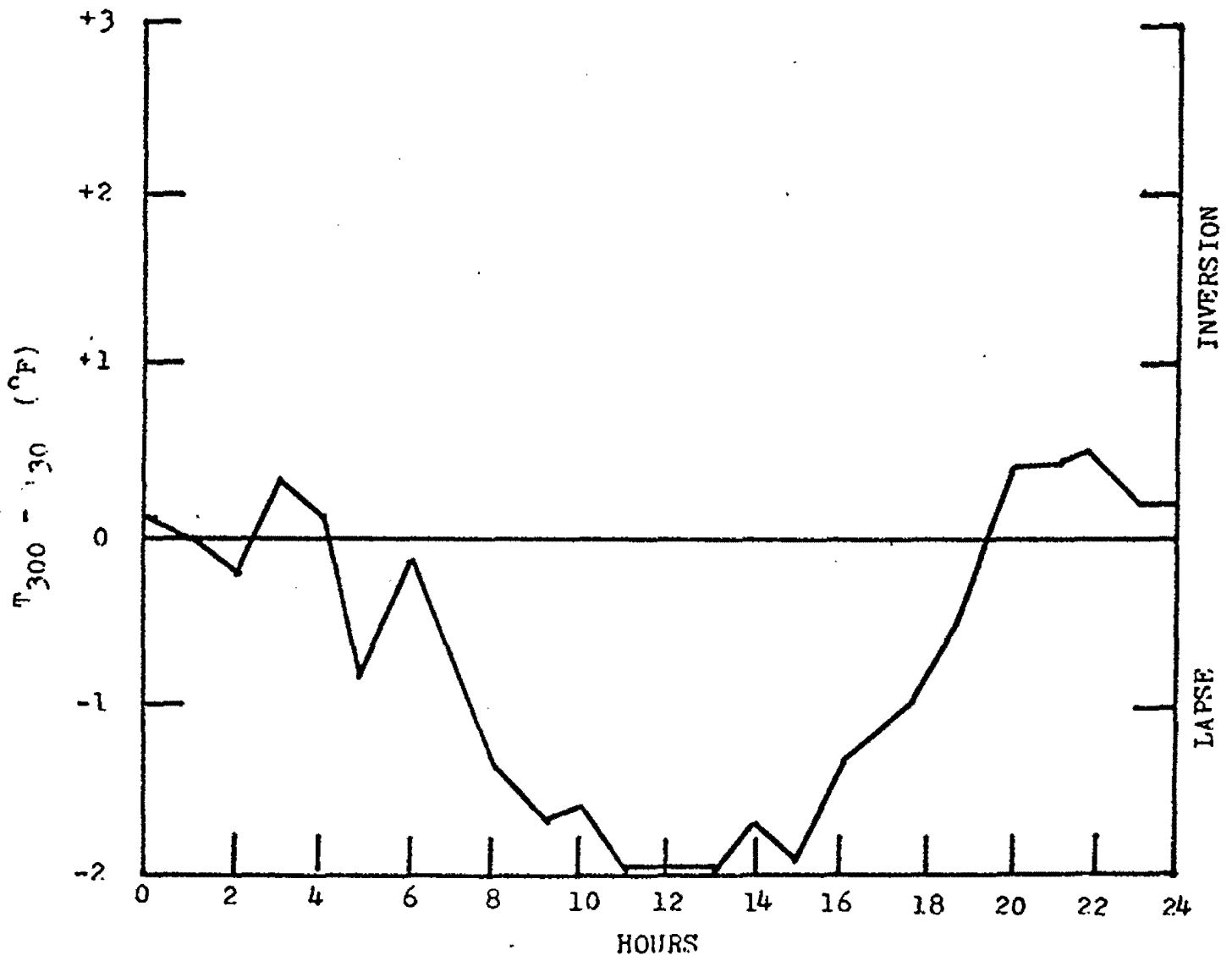
TYPICAL TURBULENCE ASSOCIATED WITH OVERCAST, STORMY, OR NOCTURNAL SITUATIONS HAVING RELATIVELY STRONG WINDS. MECHANICAL TURBULENCE PREDOMINATES.



CLASS IV

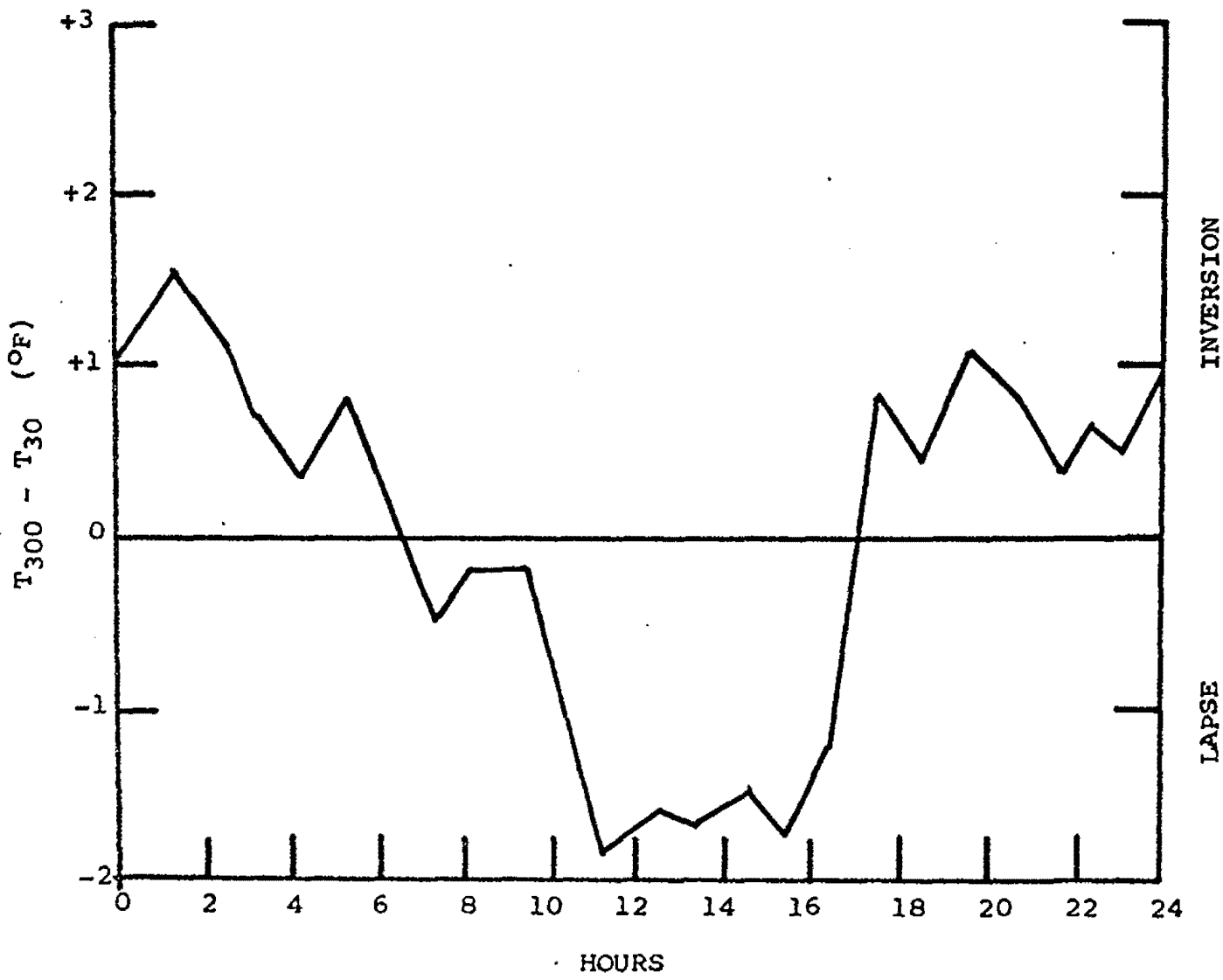
CLASSIC TEMPERATURE INVERSION CASE WITH ALMOST NO TURBULENCE EITHER NOCTURNAL OR OR ASSOCIATED WITH DAYTIME LAKE BREEZES, ESPECIALLY IN THE SPRING.

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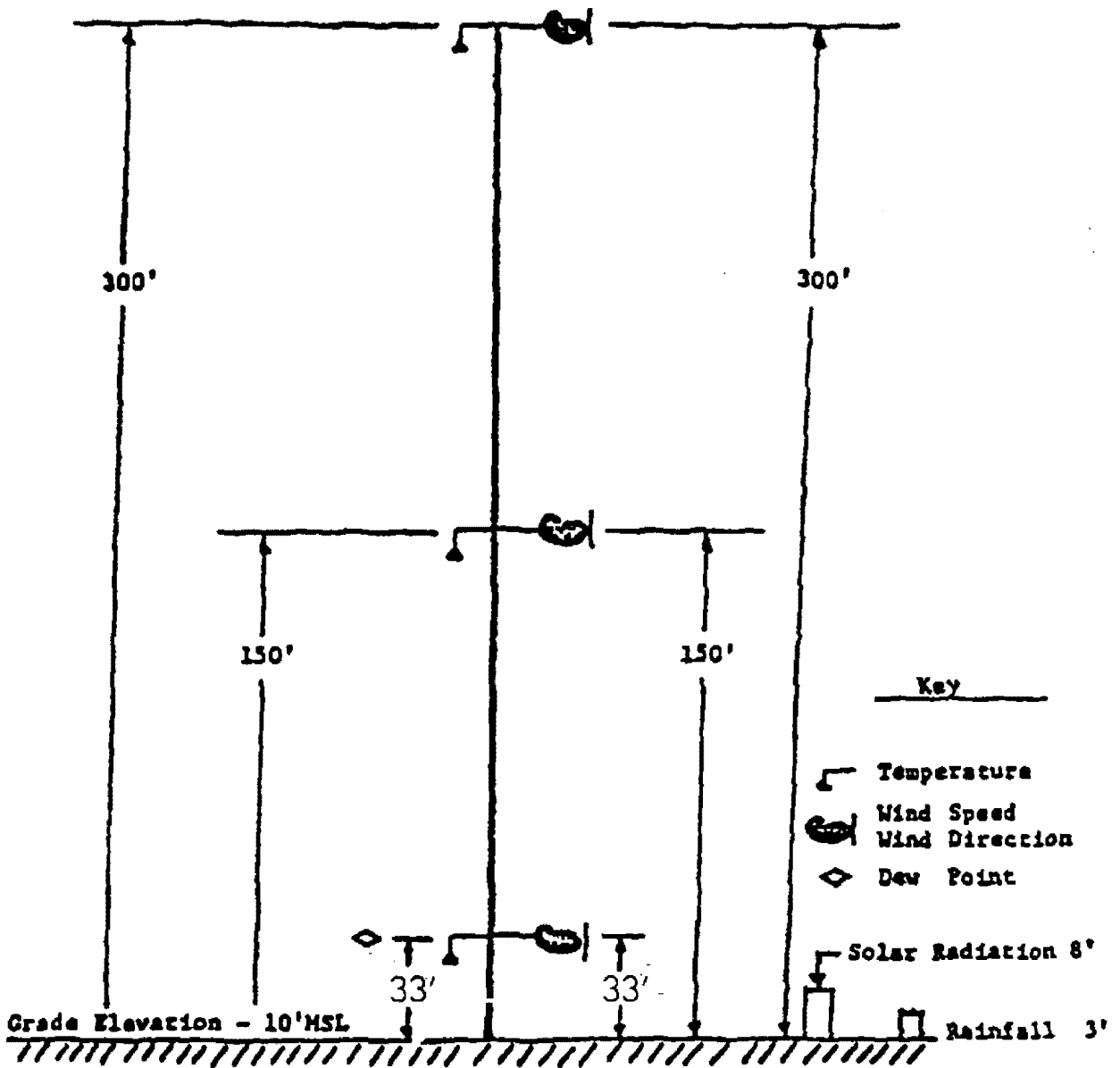
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PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Diurnal Variation of Lapse Rate June 1970
	Updated FSAR Figure 2.3-5



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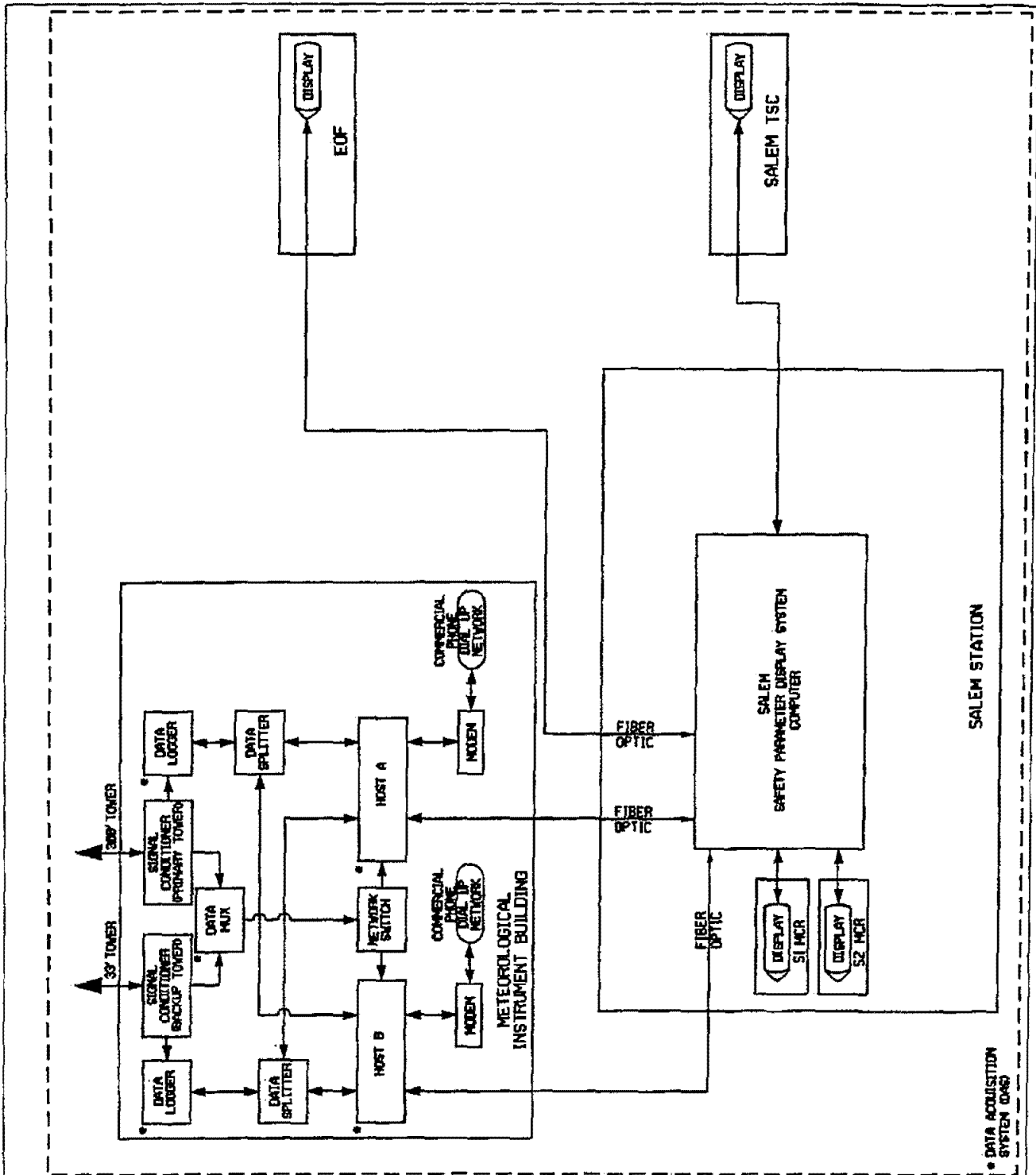
PUBLIC SERVICE ELECTRIC AND GAS COMPANY SALEM NUCLEAR GENERATING STATION	Diurnal Variation of Lapse Rate December 1970	
	Updated FSAR	Figure 2.3-6



Revision 18, April 26, 2000

PSEG Nuclear, LLC SALEM NUCLEAR GENERATING STATION	Salem Nuclear Generating Station METEOROLOGICAL TOWER SCHEMATIC
	Updated FSAR

Figure 2.3-7



* DATA ACQUISITION SYSTEM (DAS)

Revision 24
May 11, 2009

PSEG Nuclear, LLC
SALEM NUCLEAR GENERATING STATION

Salem Nuclear Generating Station
METEOROLOGICAL DATA
ACQUISITION DISPLAY SYSTEM
Updated FSAR

Figure 2.3-8