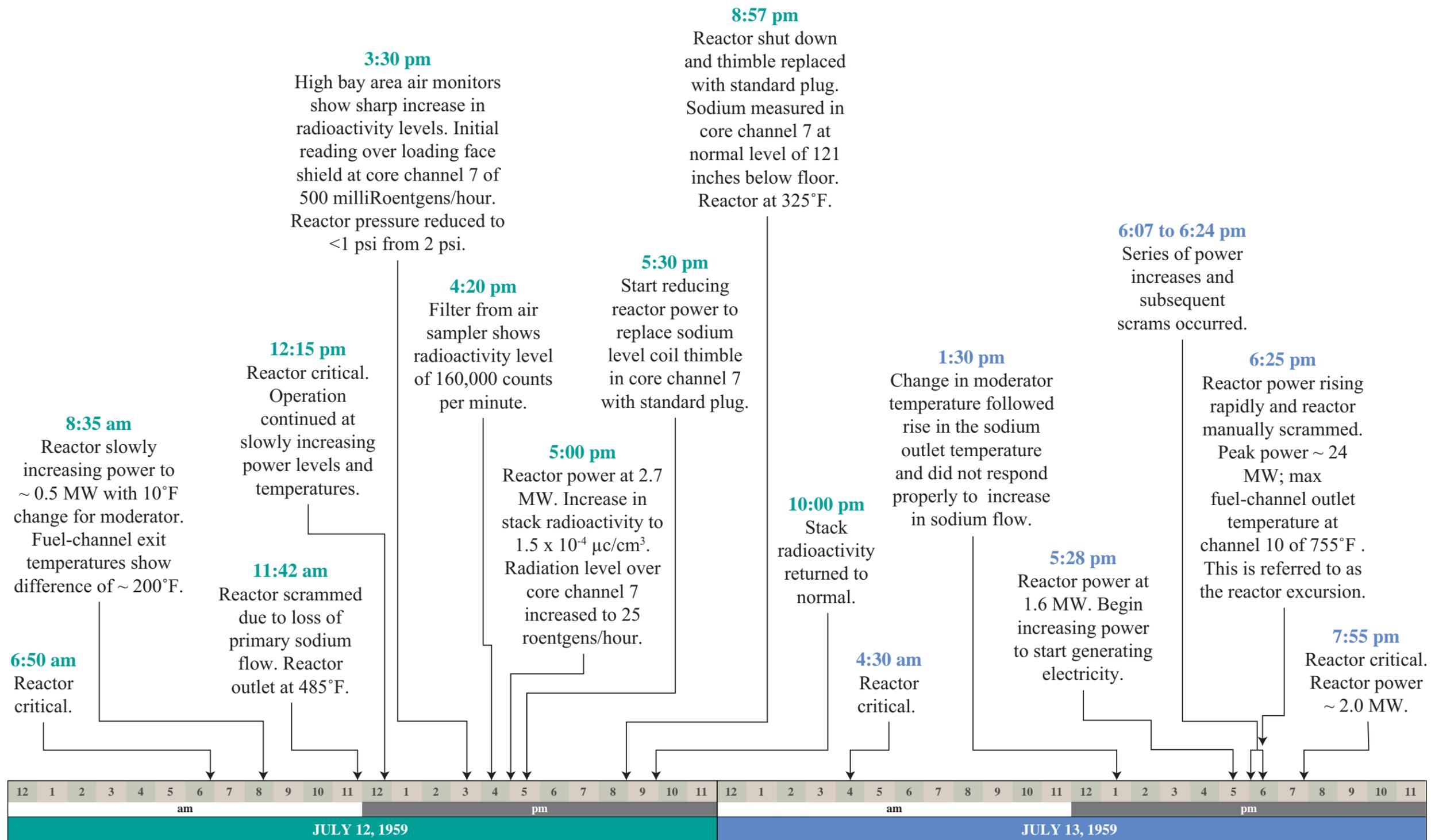


TIMELINE FOR SODIUM REACTOR EXPERIMENT RUN 14

July 12, 1959 to July 26, 1959

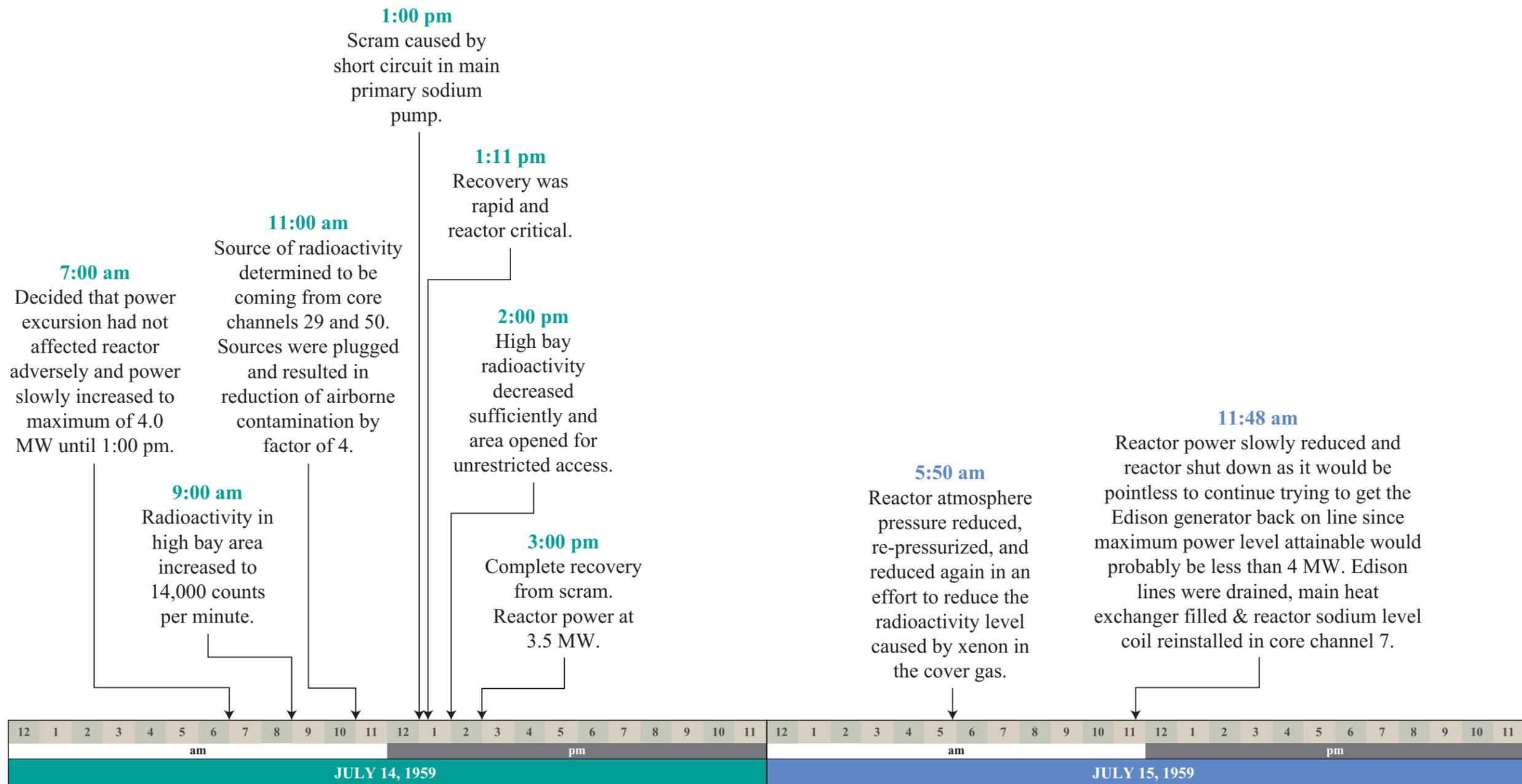


Legend

psi = Pounds per square inch
 $\mu\text{c}/\text{cm}^3$ = Microcuries per cubic centimeter
 MW = Megawatt

TIMELINE FOR SODIUM REACTOR EXPERIMENT RUN 14

July 12, 1959 to July 26, 1959



Legend
MW = Megawatt

TIMELINE FOR SODIUM REACTOR EXPERIMENT RUN 14

July 12, 1959 to July 26, 1959

7:04 am
 Reactor critical. Reactor outlet temperature at 360°F. Intermittent operation continued at low power (less than 2 MW) until July 20.



Temperature at outlet of fuel channel 9 for this date ~400°F.

Temperature at outlet of fuel channel 9 for this date ~450°F.

11:00 am
 Main primary flow rate varied from 400 to 1,200 gallons per minute.



Temperature at outlet of fuel channel 9 for this date ~550°F.

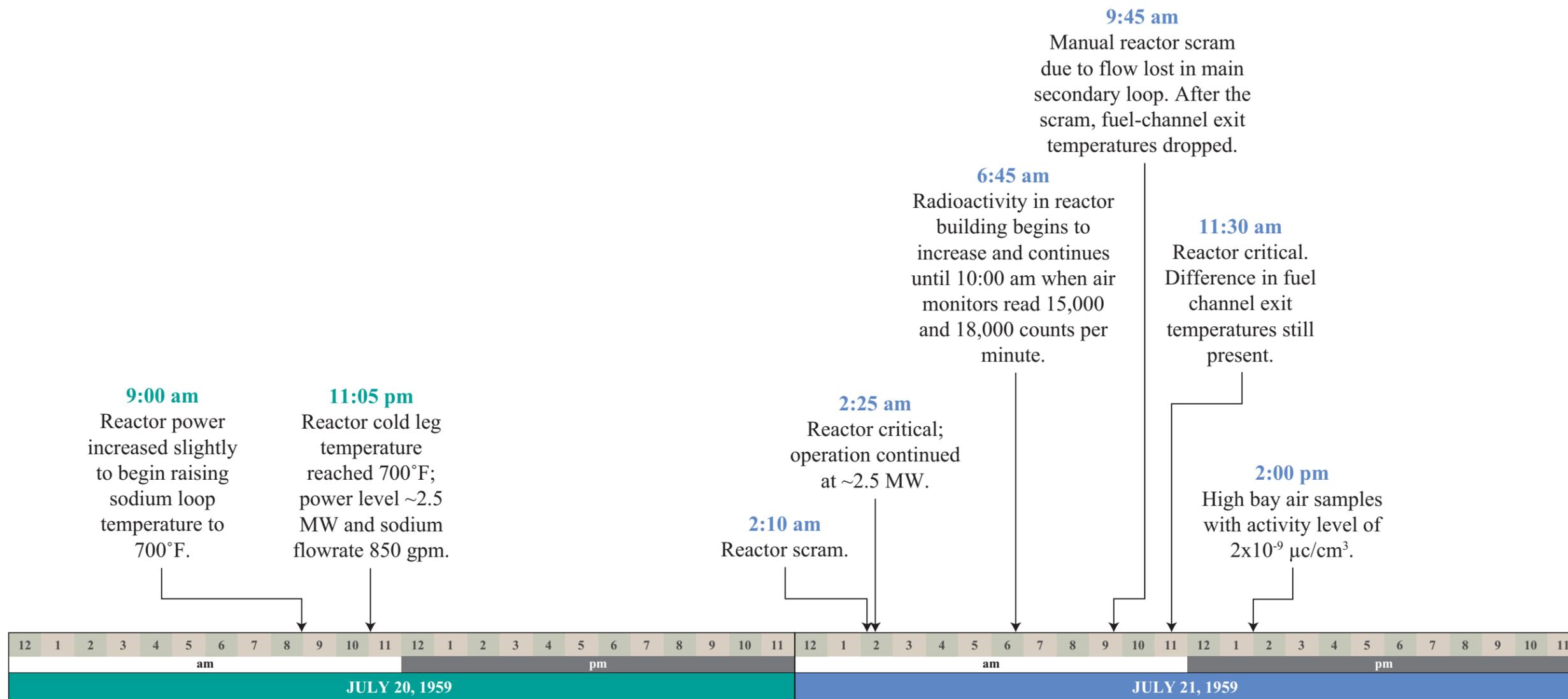
Temperature at outlet of fuel channel 9 for this date ~600°F.

Reactor outlet temperature gradually increased from 360 to 540°F while power kept below 1 MW. Operation at increased temperature performed to see if reactor operating conditions would improve.

Legend
 MW = Megawatt

TIMELINE FOR SODIUM REACTOR EXPERIMENT RUN 14

July 12, 1959 to July 26, 1959



Temperature at outlet of fuel channel 9 for this date ~700°F.

Temperature at outlet of fuel channel 9 for this date ~725°F.

Legend
 $\mu\text{c}/\text{cm}^3$ = Microcuries per cubic centimeter
 MW = Megawatt

TIMELINE FOR SODIUM REACTOR EXPERIMENT RUN 14

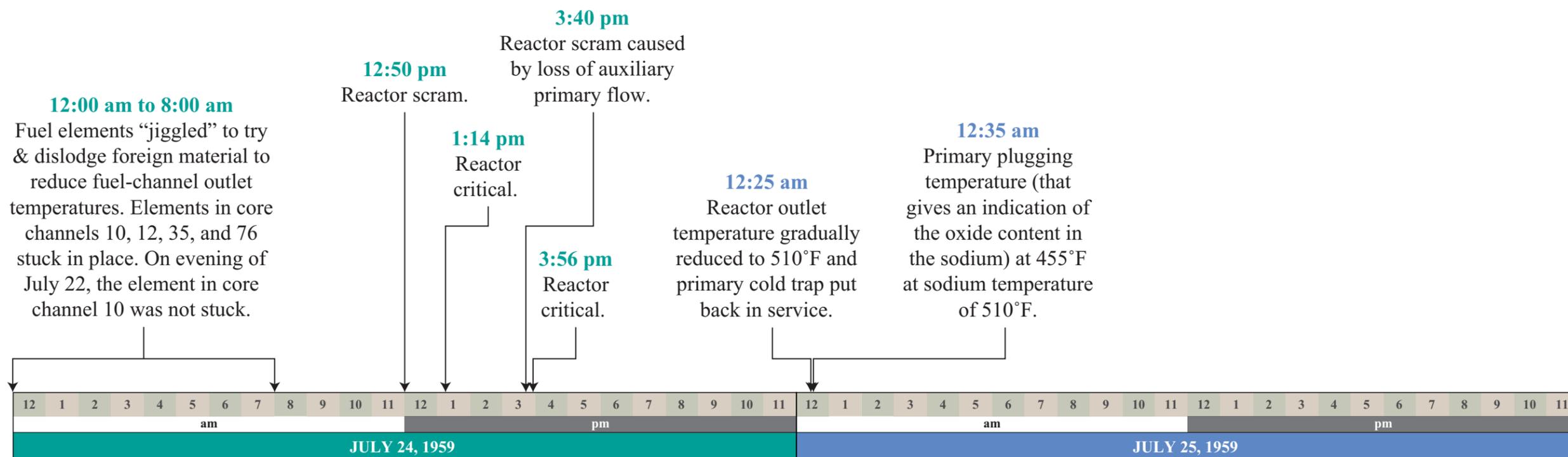
July 12, 1959 to July 26, 1959



Temperature at outlet of fuel channel 9 for this date ~925°F.

Temperature at outlet of fuel channel 9 for this date ~1475°F.

Fuel temperature for channel 55 fluctuated between ~1,100 to 1,200 °F. Operation continued at power levels up to 4.5 MW.



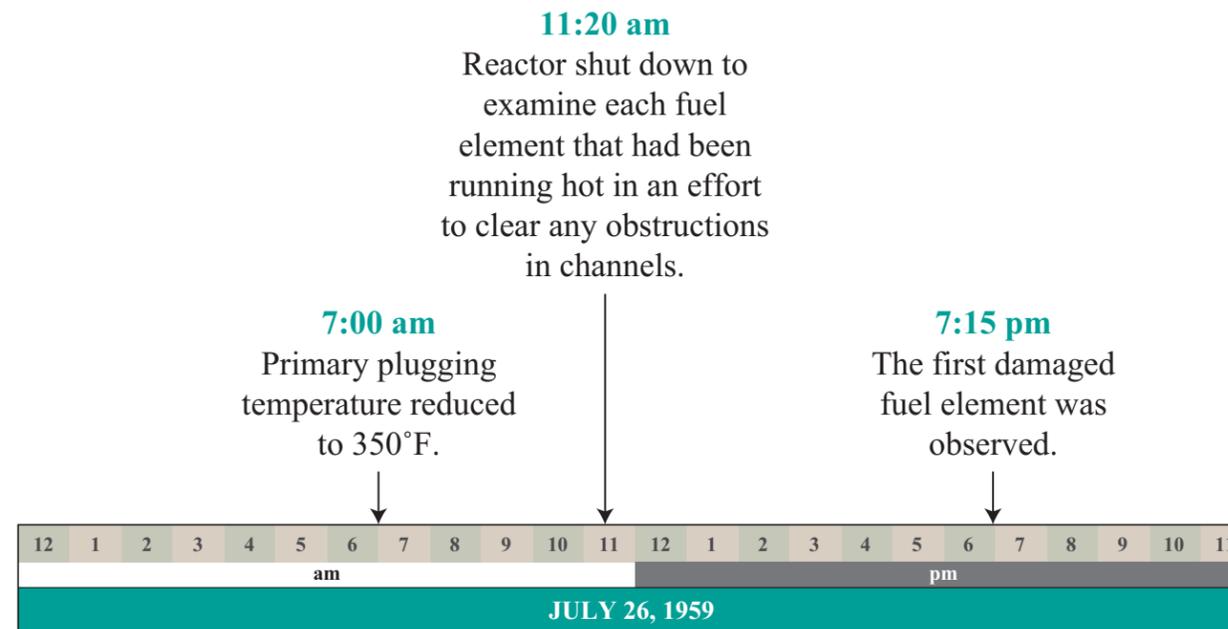
Temperature at outlet of fuel channel 9 for this date ~1275°F.

Temperature at outlet of fuel channel 9 for this date ~750°F.

Legend
MW = Megawatt

Panel No. 5

TIMELINE FOR SODIUM REACTOR EXPERIMENT RUN 14
July 12, 1959 to July 26, 1959



Temperature at outlet of fuel channel 9 for this date ~675°F.

Elements in channels 12 and 35 no longer stuck, element in channel 76 somewhat freer, but element in channel 10 still stuck.