JPL Experience With The Mars Pathfinder, Mission Simulation Battery

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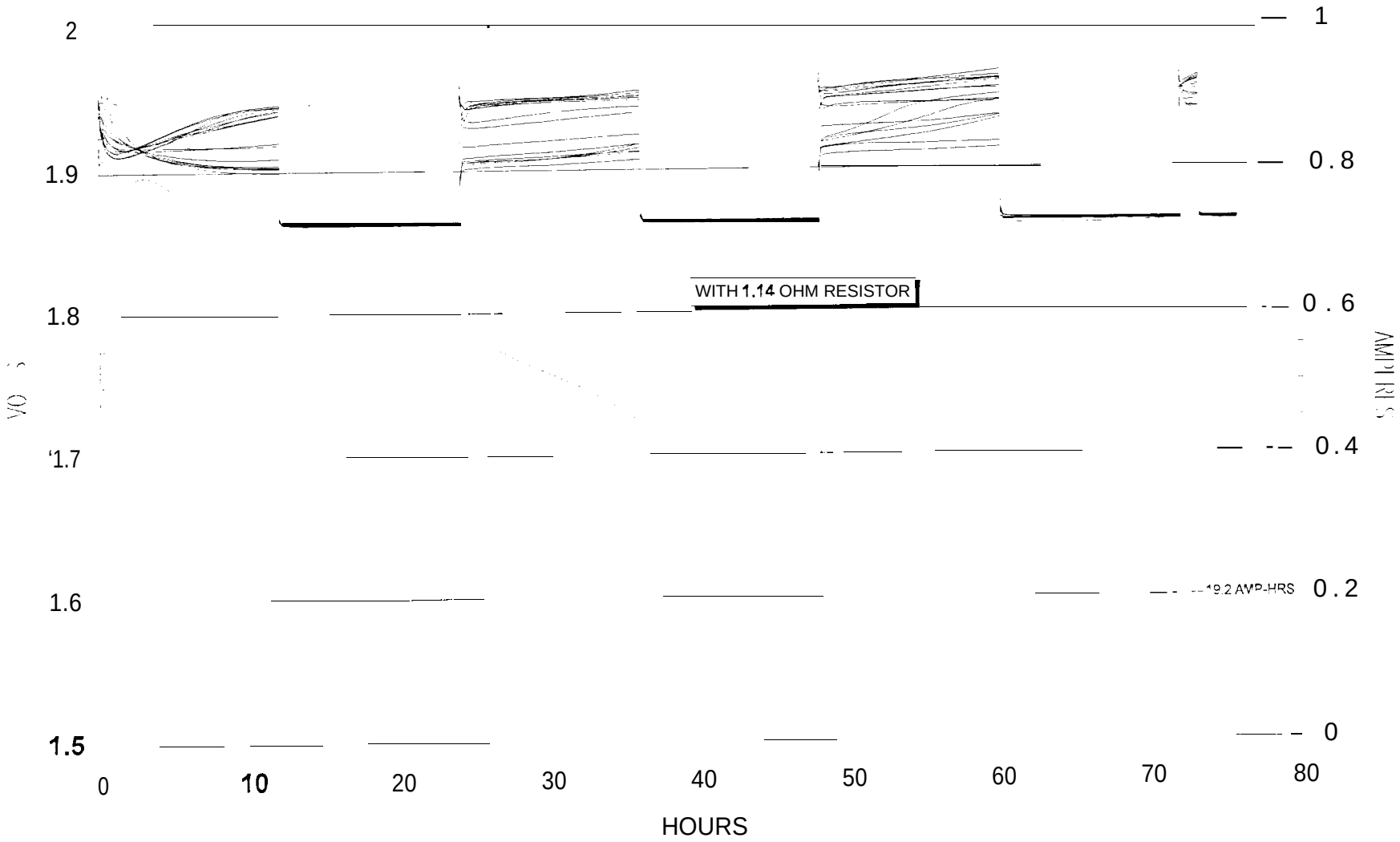
MARS PATHFINDER -- BST 18 CELL, 40 AMPERE-HOUR, **Ag-Zn** SIMULATION BATTERY

CHARGE #4 FOR 12 HOURS AT 1.960VPC THEN 12 HOURS AT 1.860VPC AT 25°C

FOLLOWS 7 MONTHS WITH 28KOHM RESISTIVE LOAD

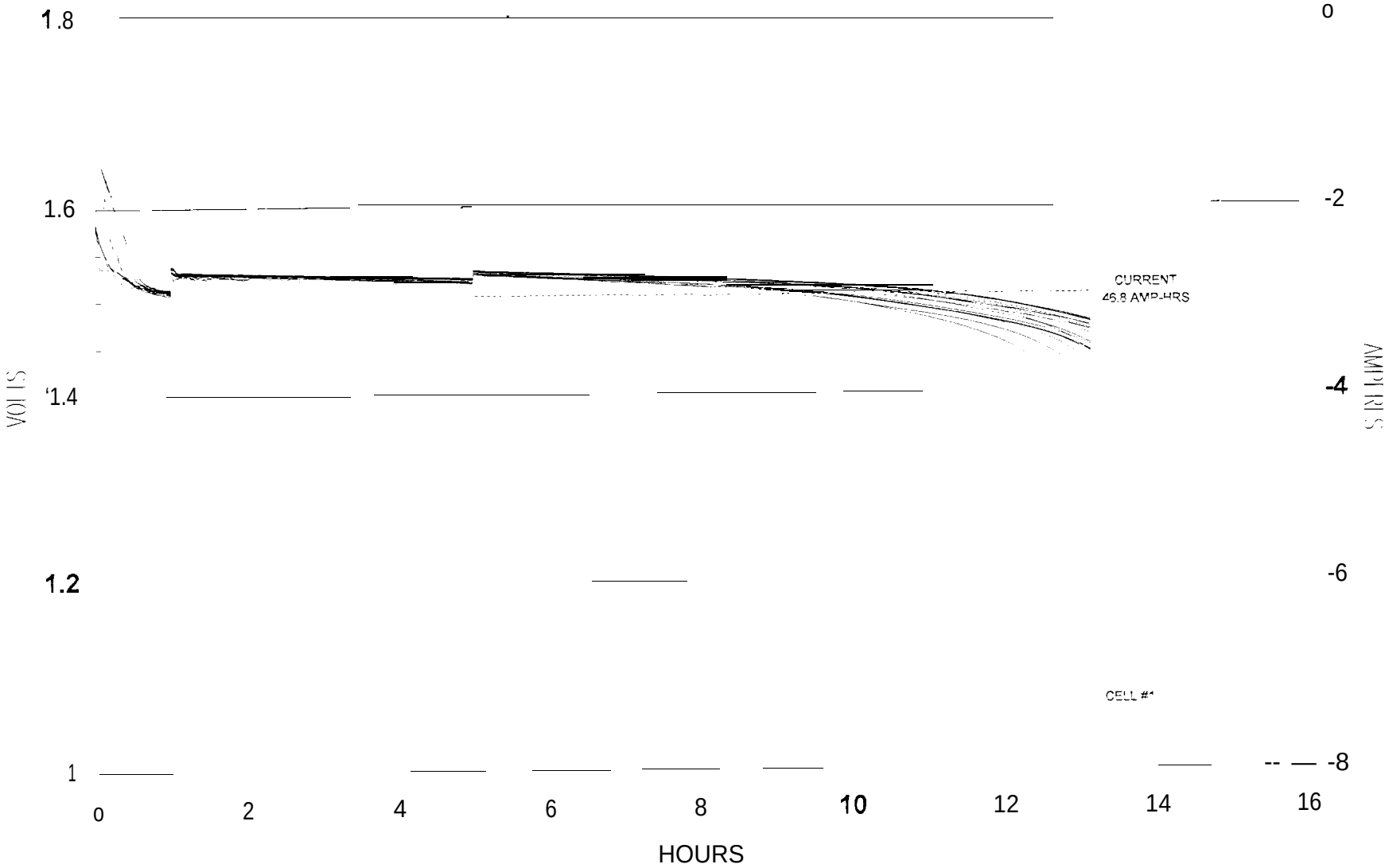


95022-9 Chart1

D. PERRONE 1/25/96 3:51 PM

MARS PATHFINDER -- BST 18 CELL, 40 AMPERE-HOUR, Ag-Zn SIMULATION BATTERY

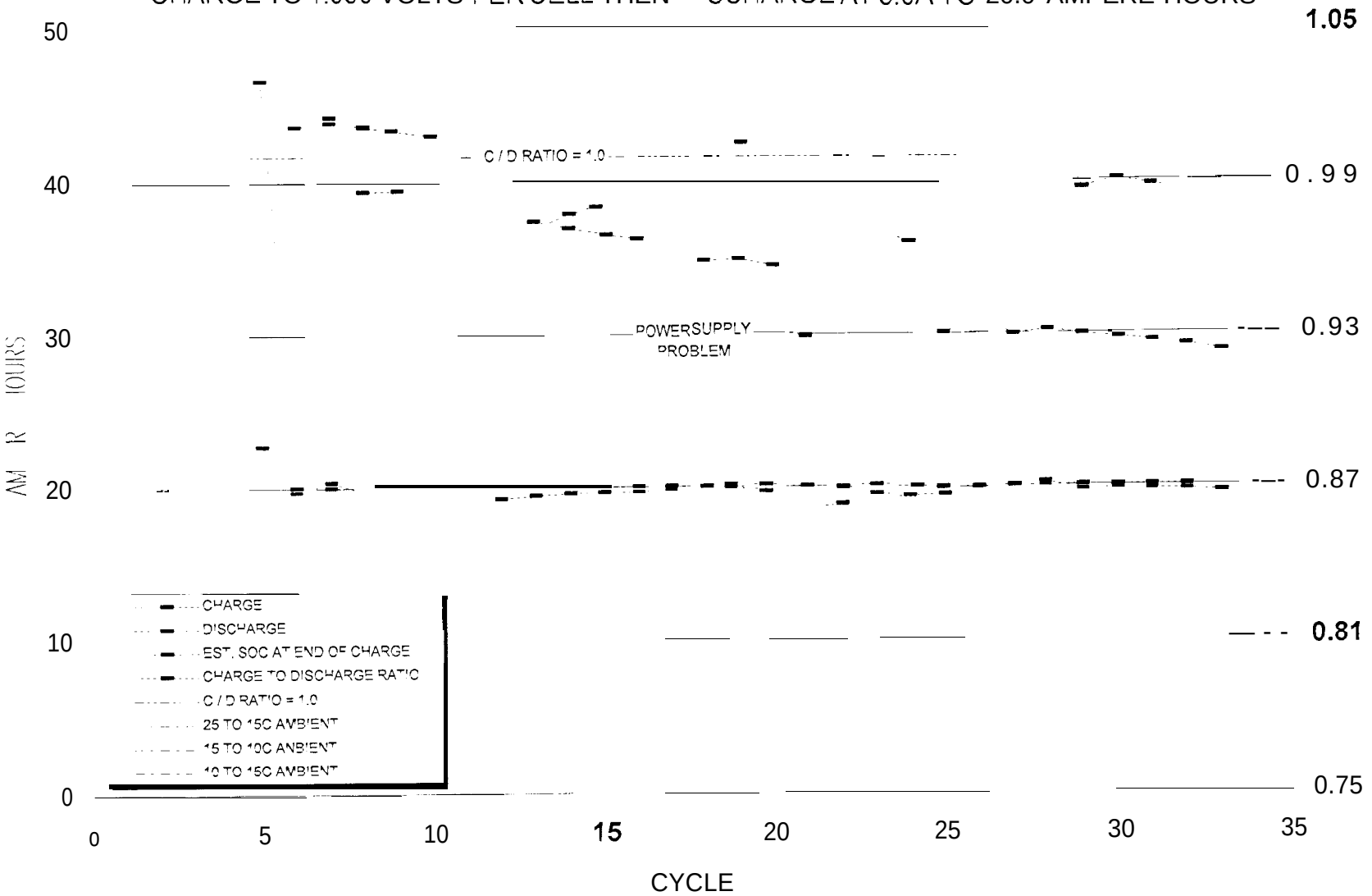
DISCHARGE #4 - EDL PLUS RESIDUAL CAPACITY -AT 15°C



95022-9 Chart2

D. PERRONE 1 1/25/96 3:52 PM

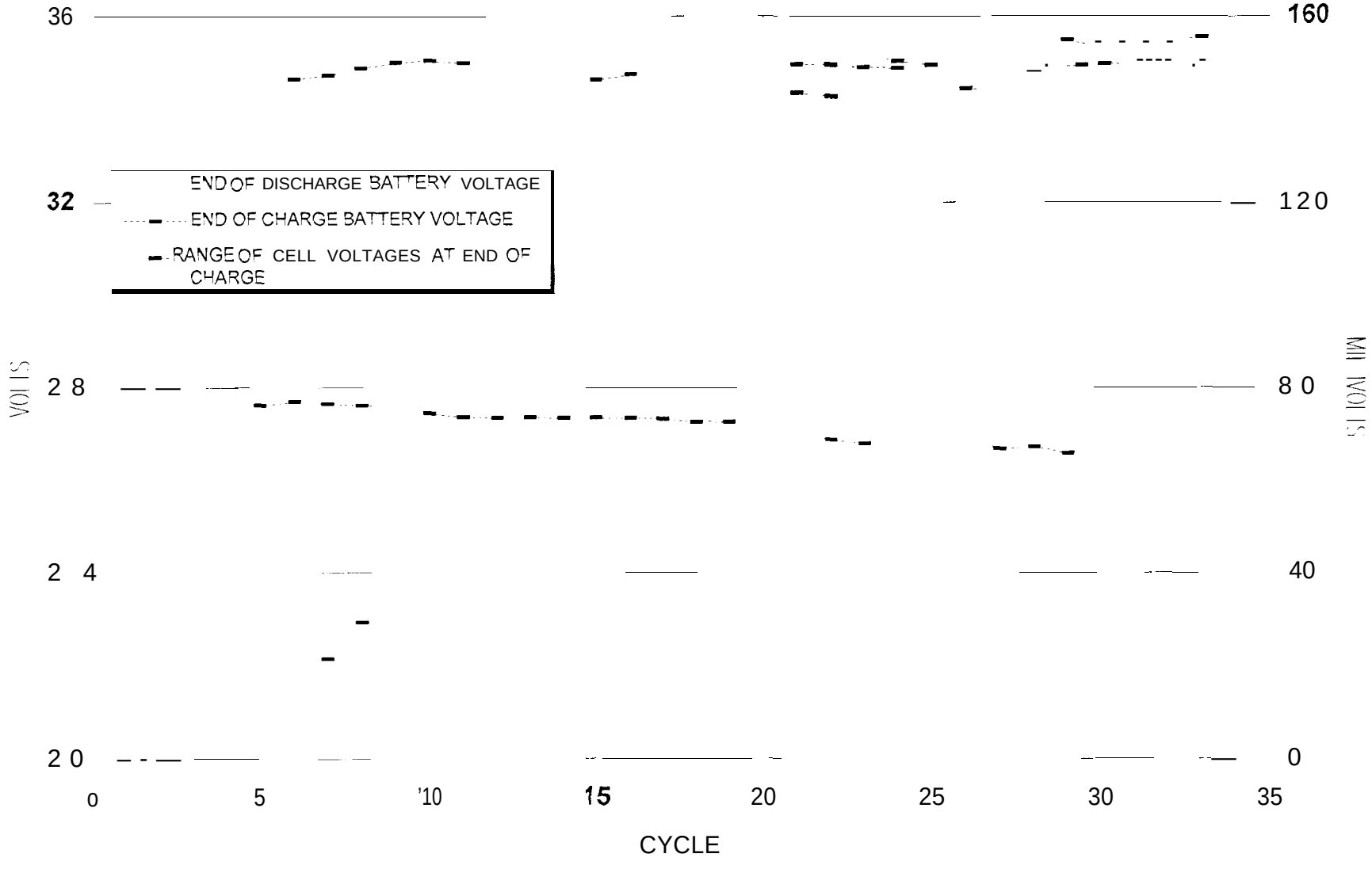
MARS PATHFINDER -- BST 18 CELL, 40 AMPERE-HOUR, **Ag-Zn** SIMULATION BATTERY
CHARGE TO 1.950 VOLTS PER CELL THEN DISCHARGE AT 3.0A TO 20.0 AMPERE-HOURS



95022-0 Chart1

D.PERRONE 1 1/25/96 3:47 PM

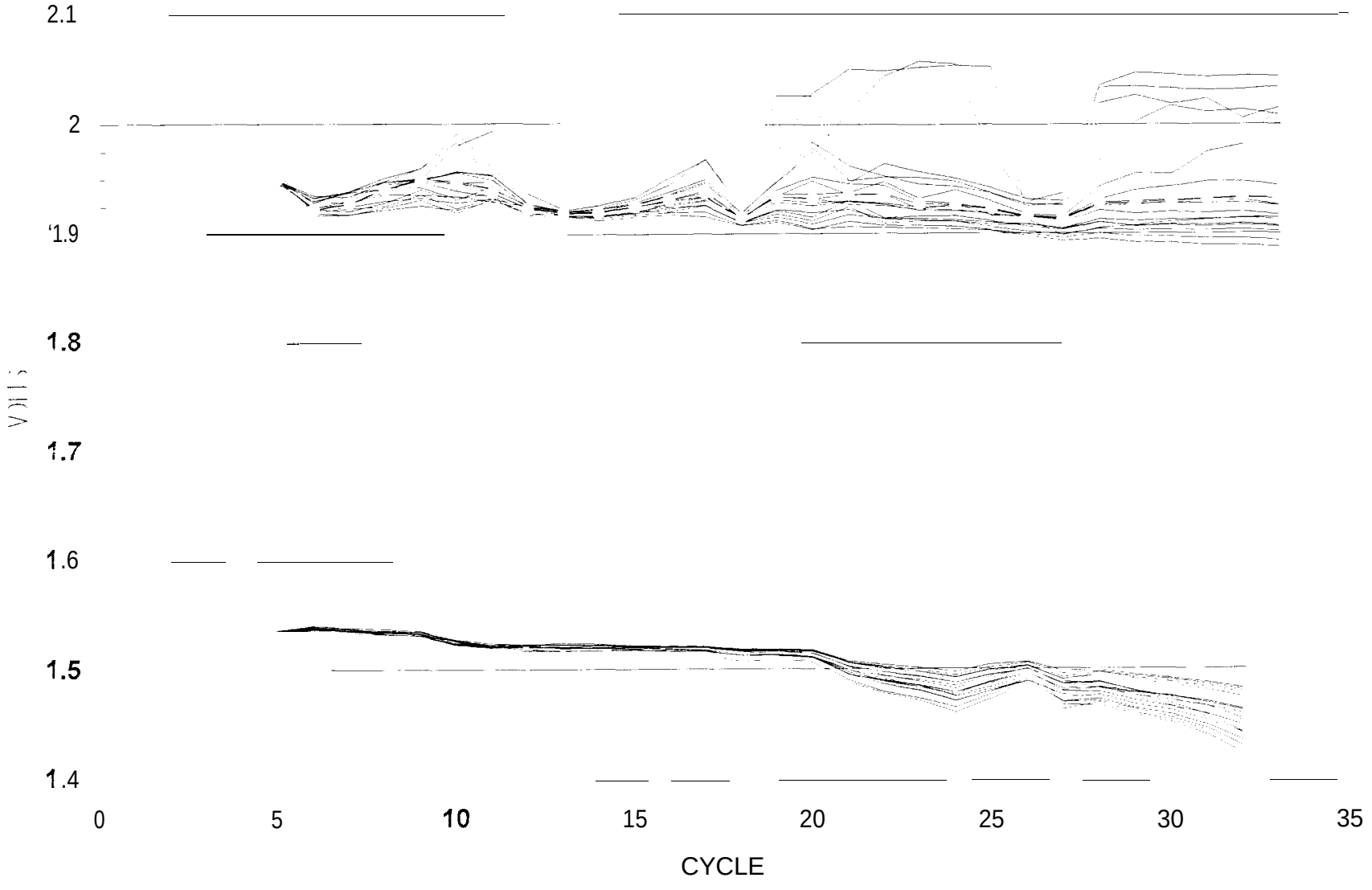
MARS PATHFINDER -- BST 18 CELL, 40 AMPERE-HOUR, Ag-Zn SIMULATION BATTERY
CHARGE TO 1.950 VOLTS PER CELL THEN DISCHARGE AT 3.0A TO 20.0 AMPERE-HOURS



95022-0 Chart2

D. PERRONE 11/25/96 3:49 PM

MARS PATHFINDER -- BST '18 CELL, 40 AMPERE-HOUR, Ag-Zn Simulation BATTERY
CHARGE TO 1.950 VOLTS PER CELL THEN DISCHARGE AT 3.0A TO 20.0 AMPERE-HOURS



95022-0 Chart3

D. PERRONE ' " /25/96 3:48 PM

ACKNOWLEDGMENT

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