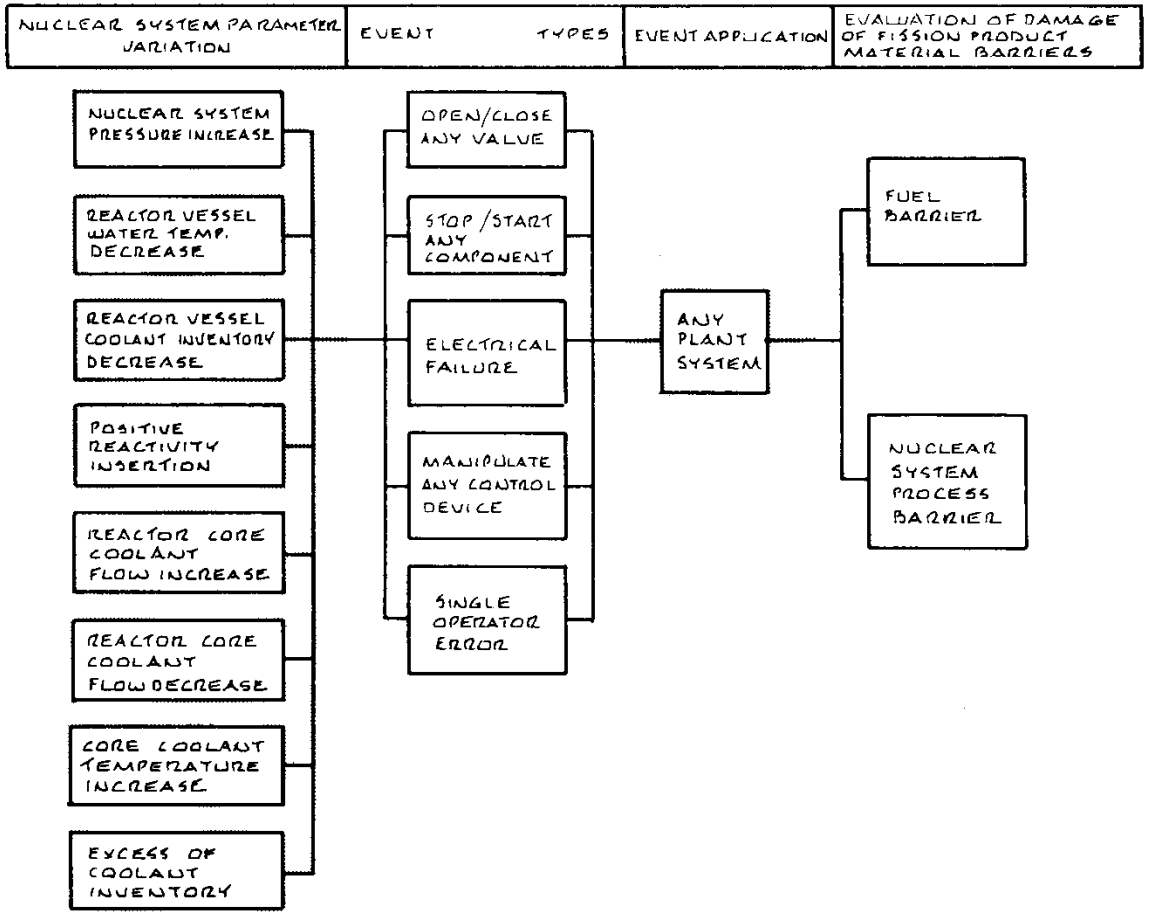
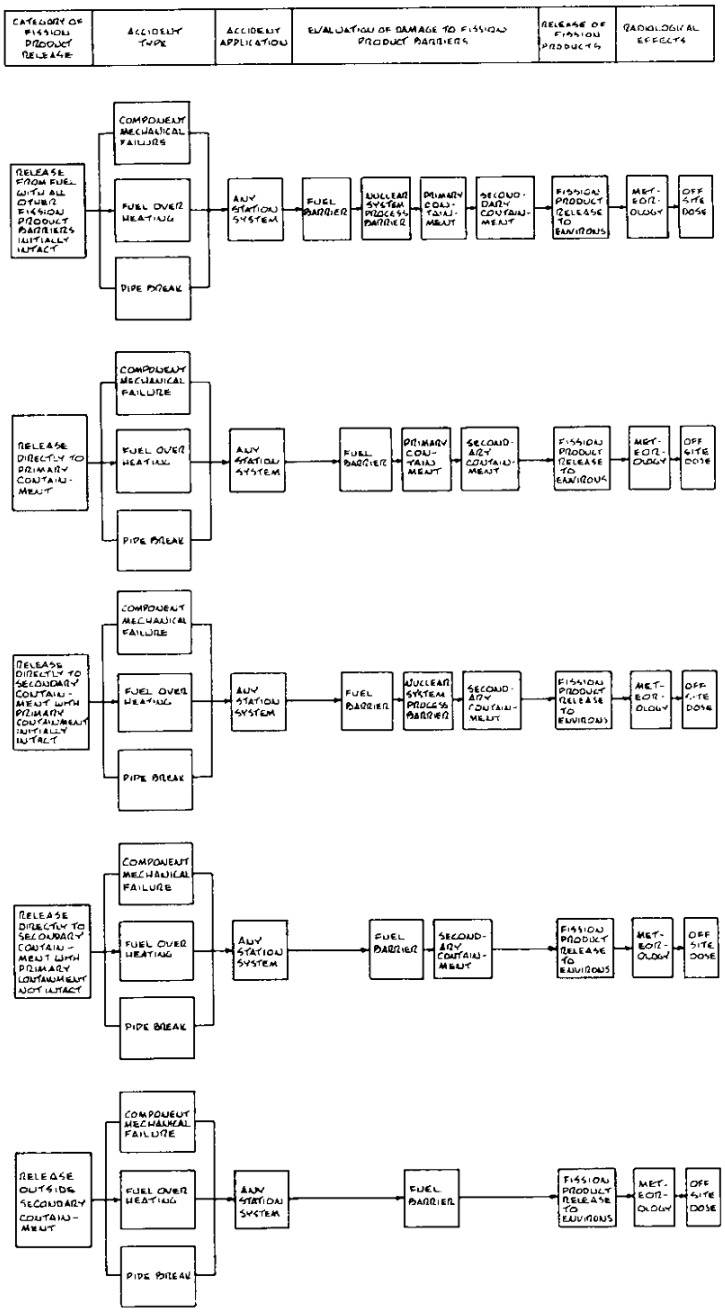
LIST OF FIGURES

LIST OF FIGURES

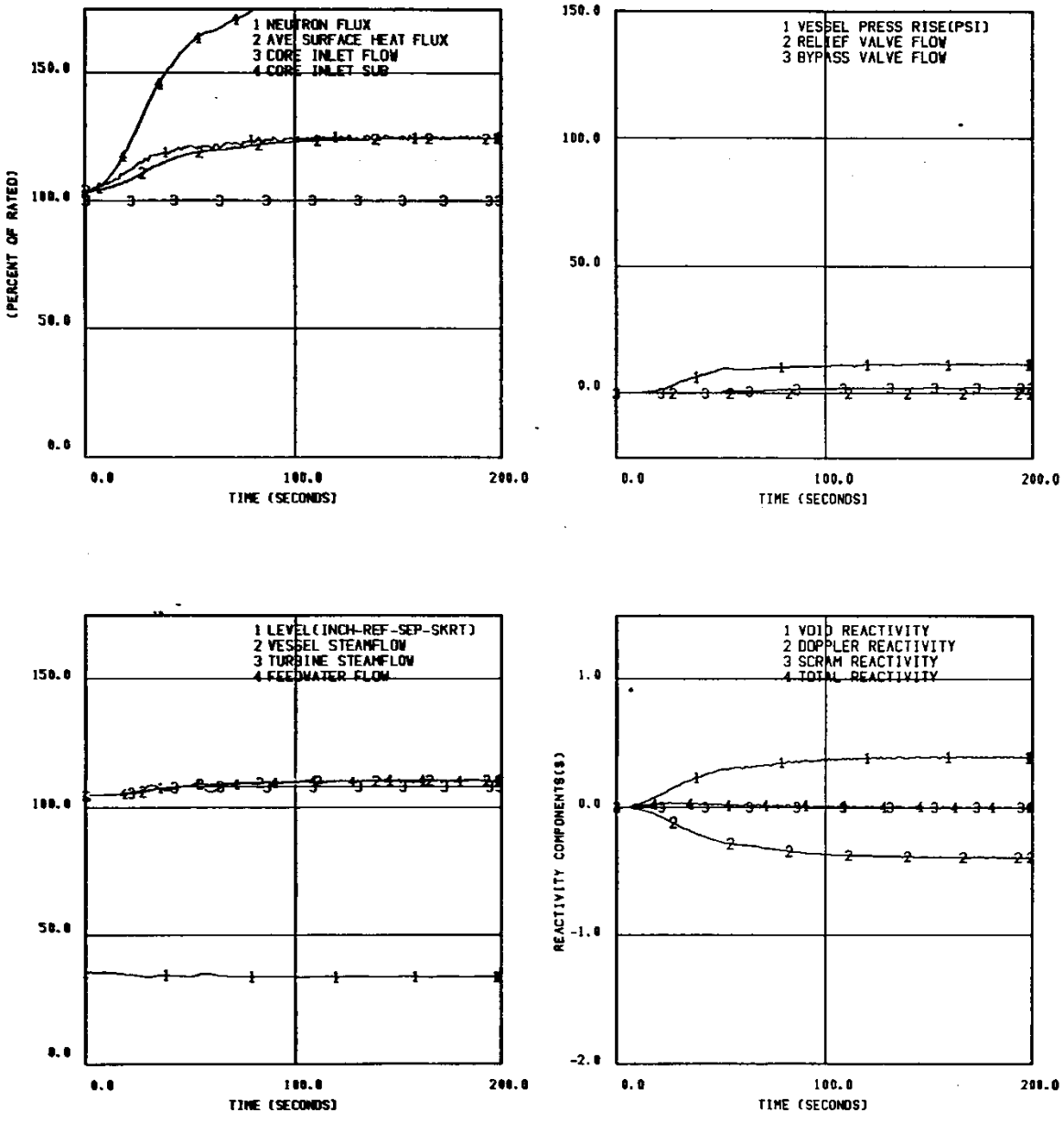
PLANT SAFETY ANALYSIS METHOD FOR IDENTIFYING AND EVALUATING ABNORMAL OPERATIONAL TRANSIENTS



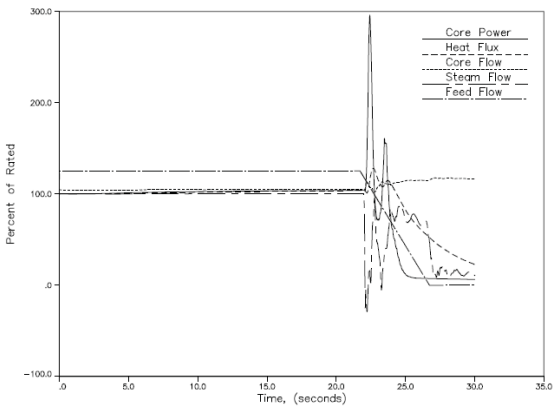
PLANT SAFETY ANALYSIS METHOD FOR IDENTIFYING AND EVALUATING ACCIDENTS



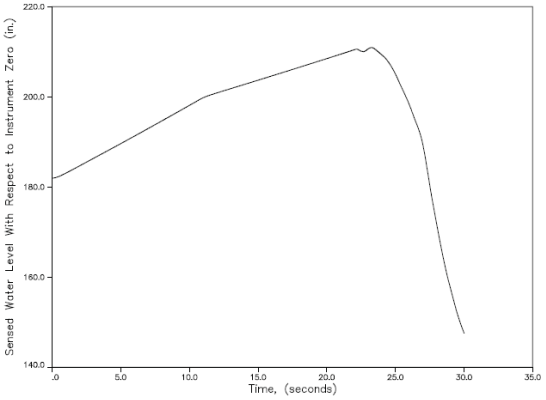
LOSS OF 100 DEGREE FEEDWATER HEATING, MANUAL FLOW CONTROL, UNIT 2 –CYCLE 7



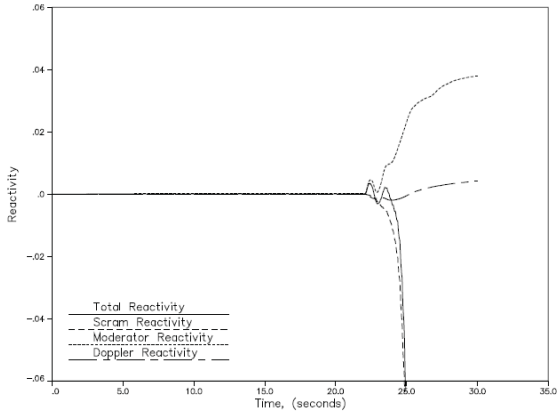
FEEDWATER CONTROLLER FAILURE, MAXIMUM DEMAND (EOC), UNIT 1 – CYCLE 21



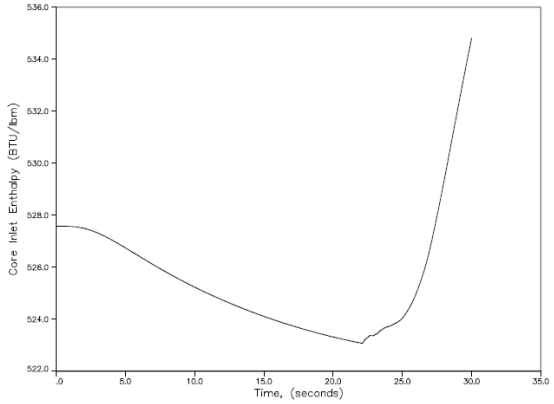
BRK1 CY21 FWCF 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT



BRK1 CY21 FWCF 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

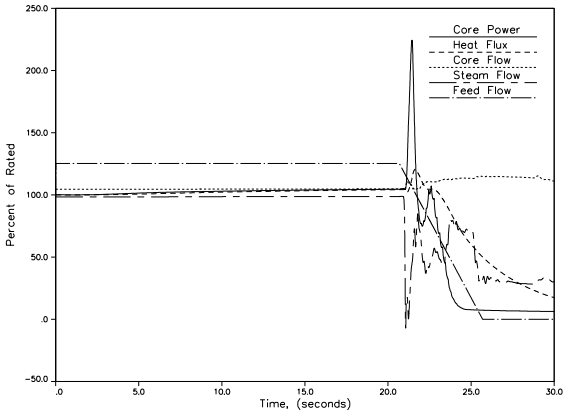


BRK1 CY21 FWCF 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT



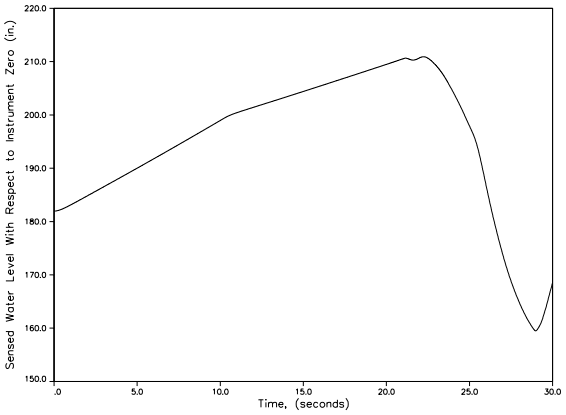
BRK1 CY21 FWCF 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

FEEDWATER CONTROLLER FAILURE, MAXIMUM DEMAND (EOC), UNIT 2 – CYCLE 22



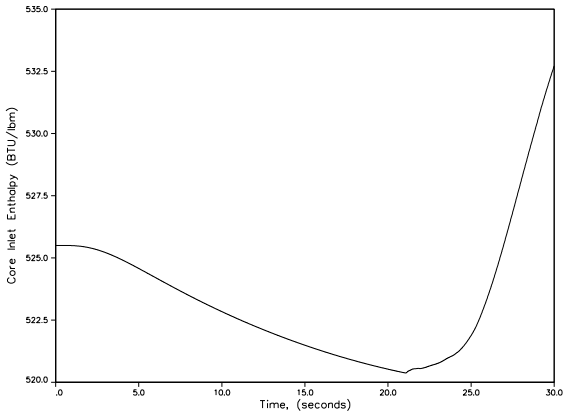
BRK2 CY22 FWCF 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F

11/07/14 08:26:05 NQS=54735, JOB ID=04965



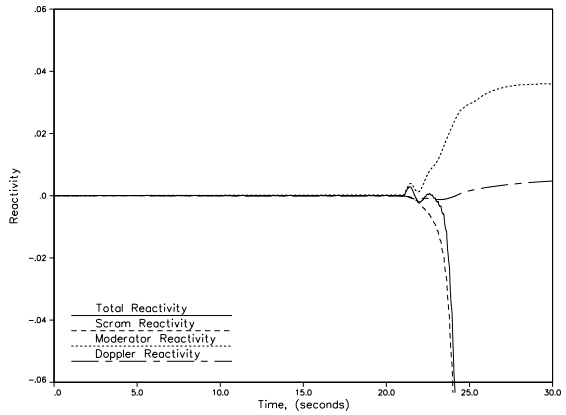
BRK2 CY22 FWCF 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F

11/07/14 08:26:05 NQS=54735, JOB ID=04965



BRK2 CY22 FWCF 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F

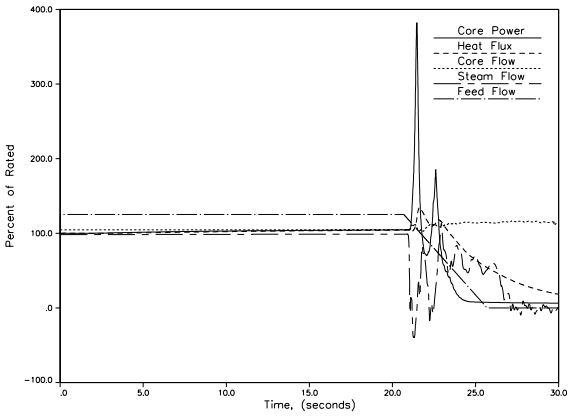
11/07/14 08:26:05 NQS=54735, JOB ID=04965



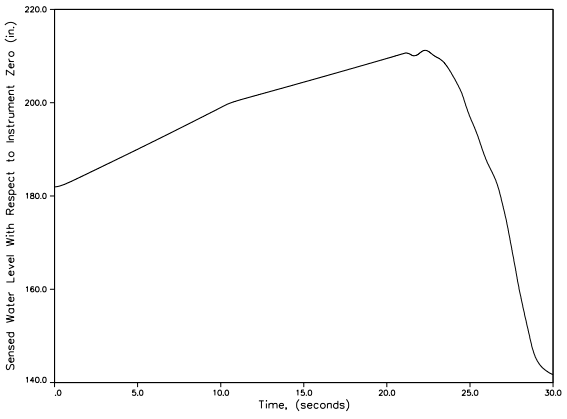
BRK2 CY22 FWCF 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F

11/07/14 08:26:05 NQS=54735, JOB ID=04965

FEEDWATER CONTROLLER FAILURE WITH TBPOOS, ICF, AND NFWT, UNIT 2 – CURRENT CYCLE (EOC 22)

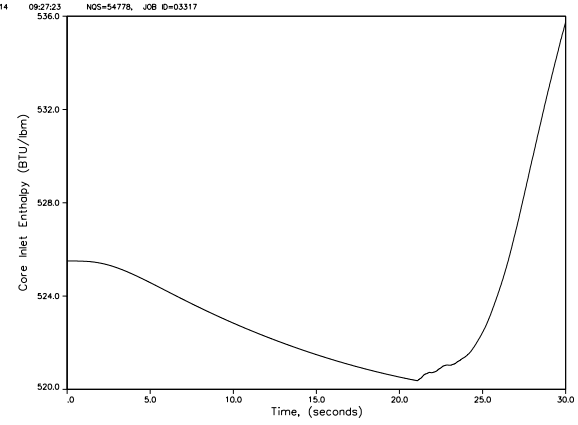


BRK2 CY22 FWCF NOBYPASS 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F



BRK2 CY22 FWCF NOBYPASS 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F

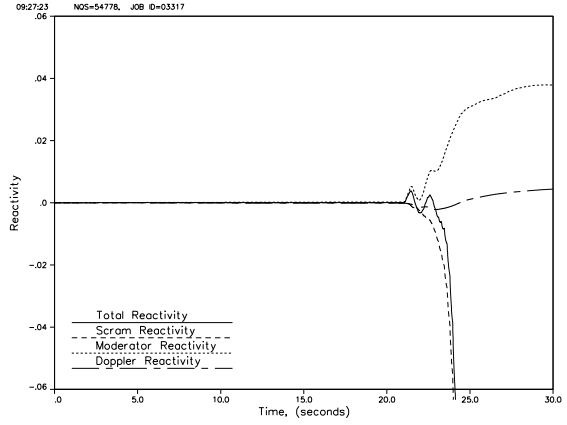
11/07/14 09:27:23 NOS=54778, JOB ID=03317



BRK2 CY22 FWCF NOBYPASS 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F

11/07/14 09:27:23 NOS=54778, JOB ID=03317

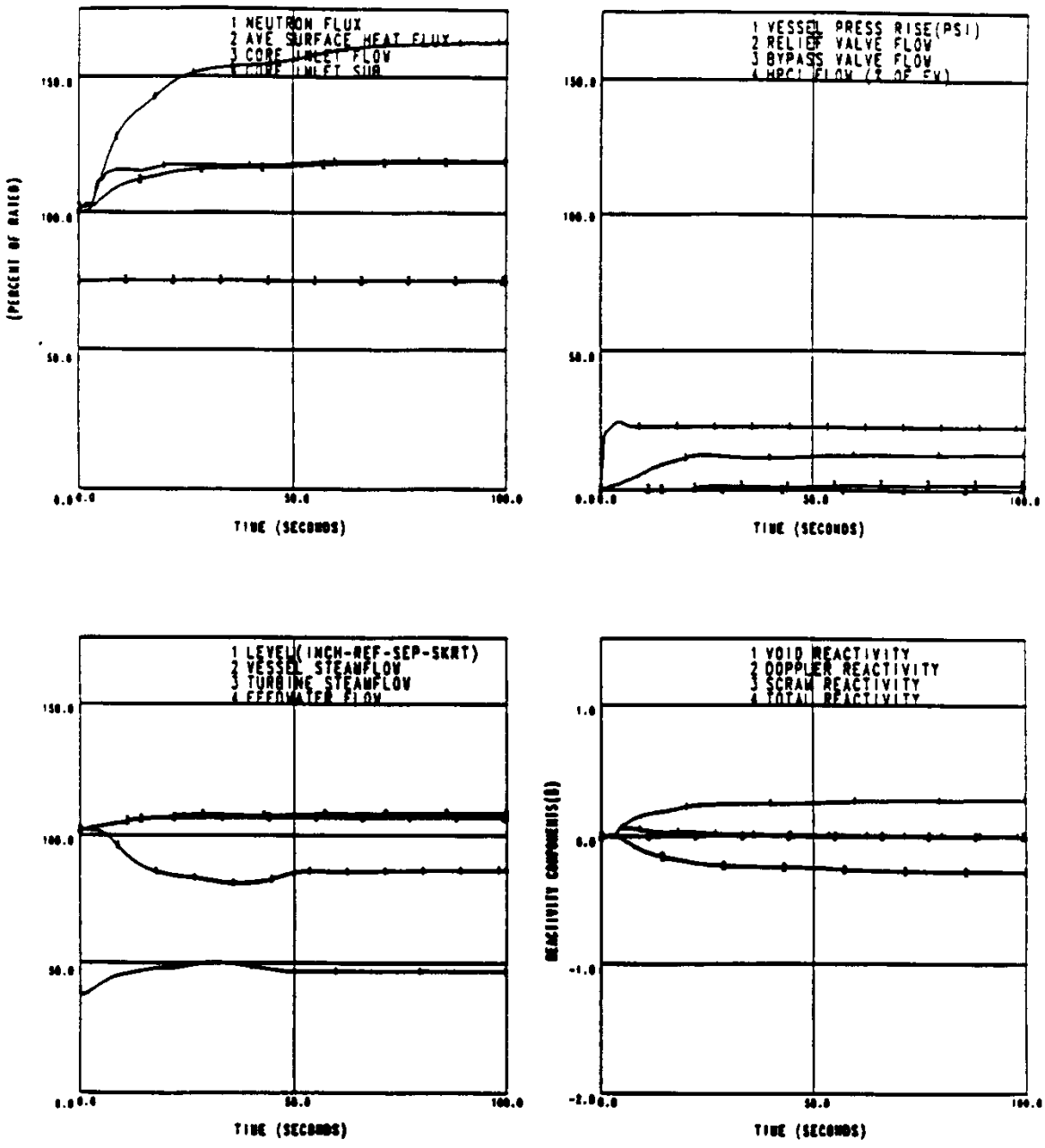
11/07/14 09:27:23 NOS=54778, JOB ID=03317



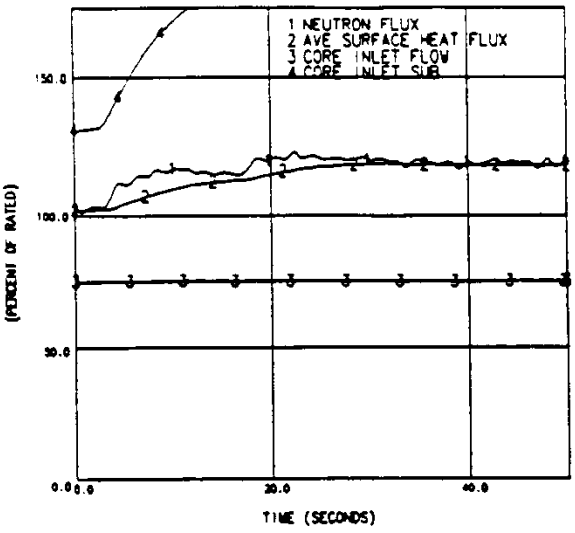
BRK2 CY22 FWCF NOBYPASS 100P104.5F 18806.4X HBB TSSS Nom P FWT −10F

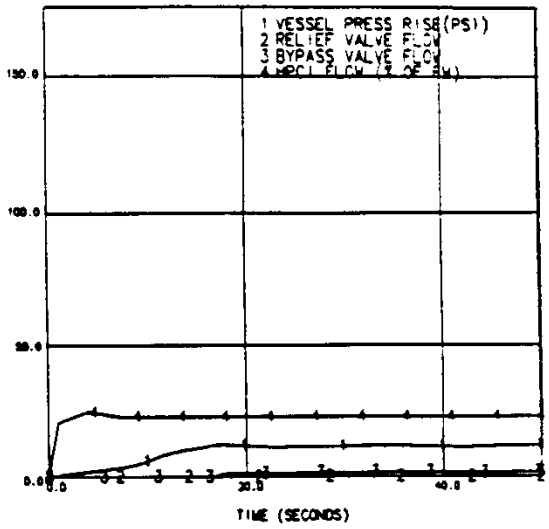
11/07/14 09:27:23 NOS=54778, JOB ID=03317

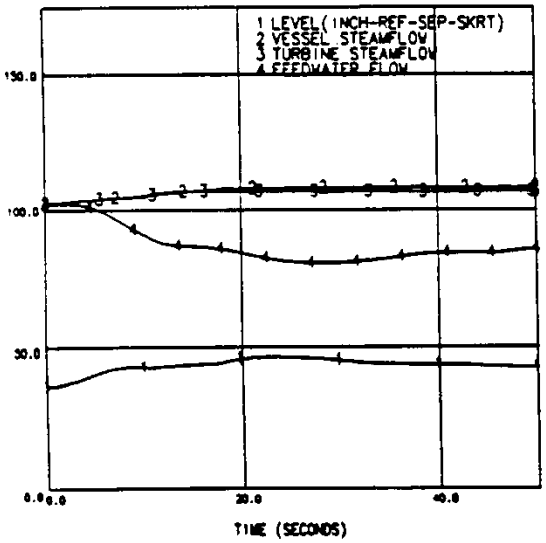
INADVERTENT HPCI ACTIVATION, UNIT 1 – CYCLE 9 (BOC9 TO EOC9)

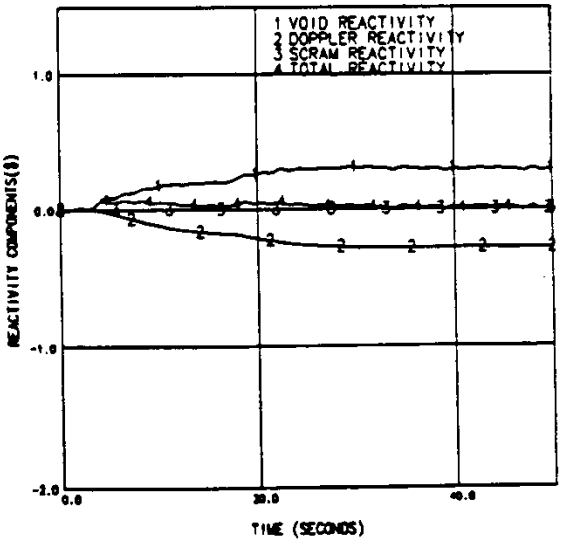


INADVERTENT HPCI ACTIVATION, UNIT 2 – CYCLE 10

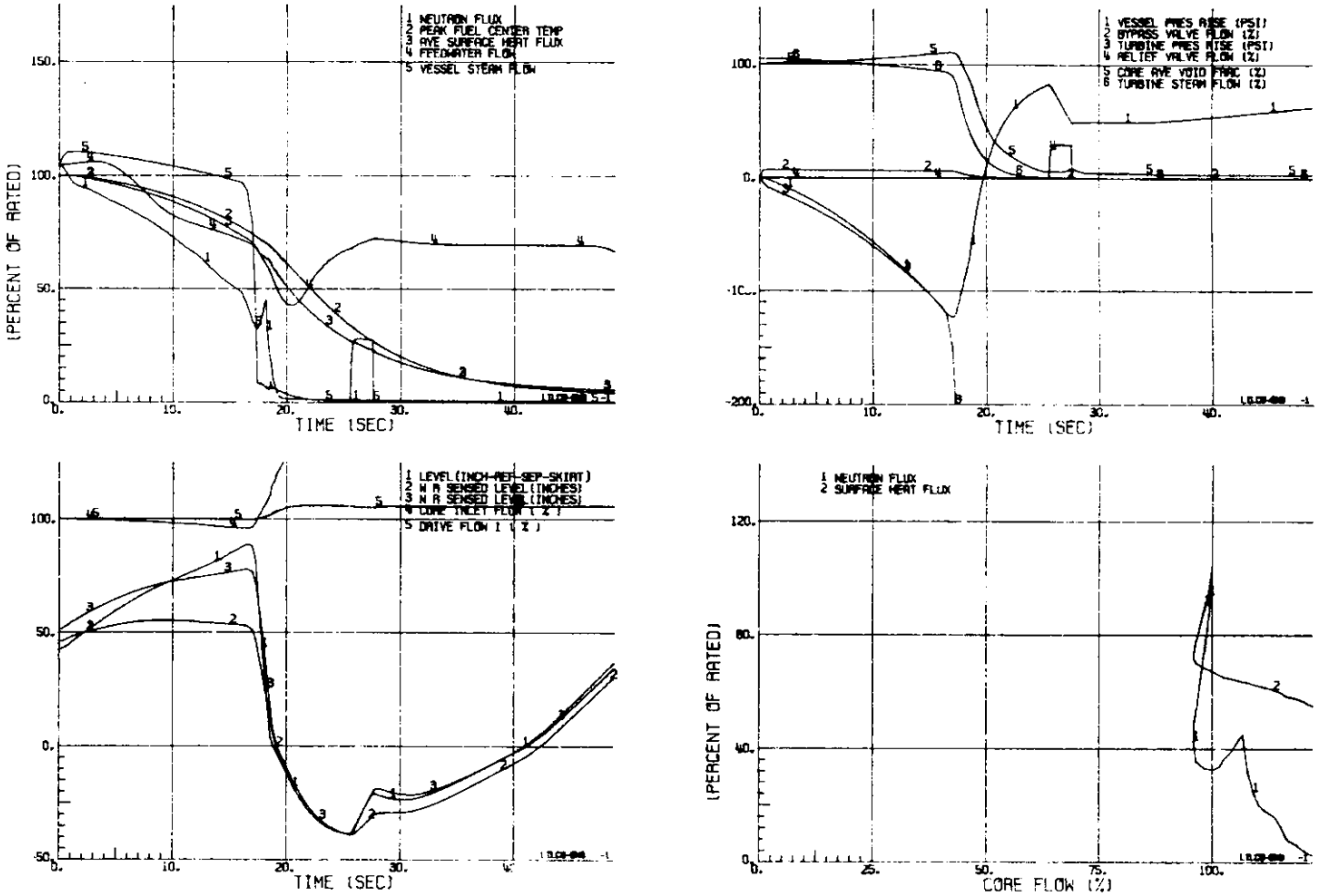




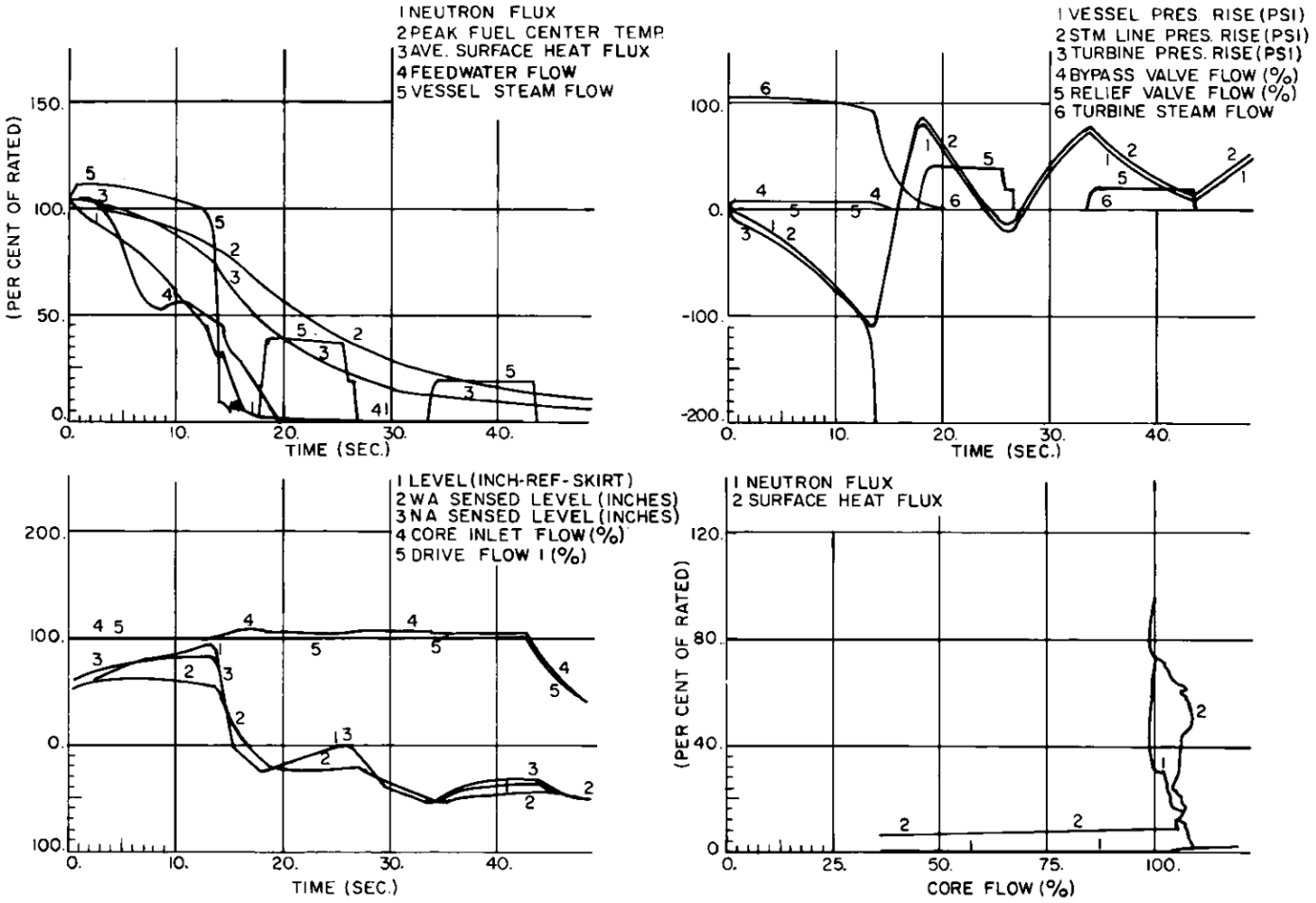




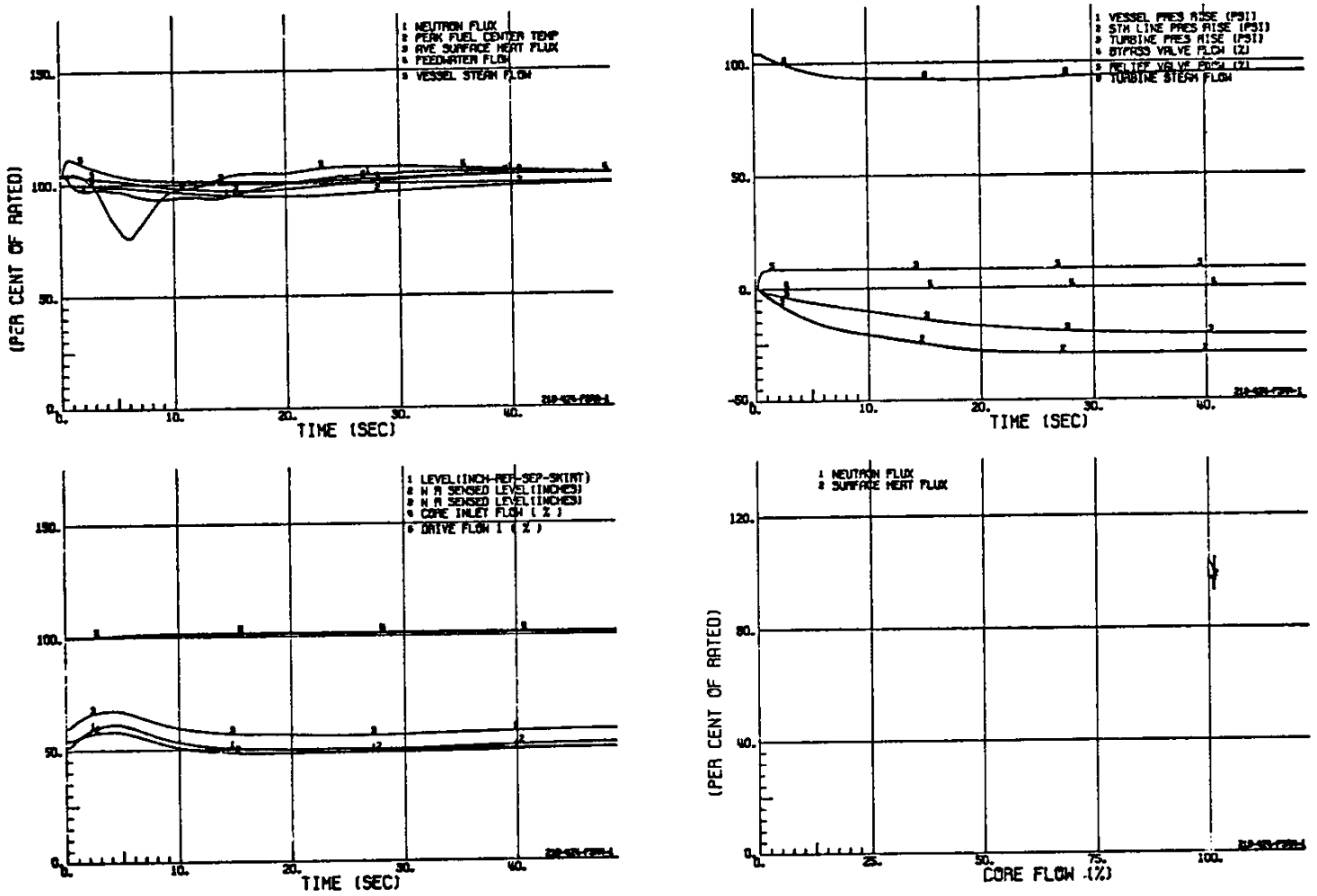
PRESSURE REGULATOR FAILURE (OPEN), UNIT 1 – CYCLE 1



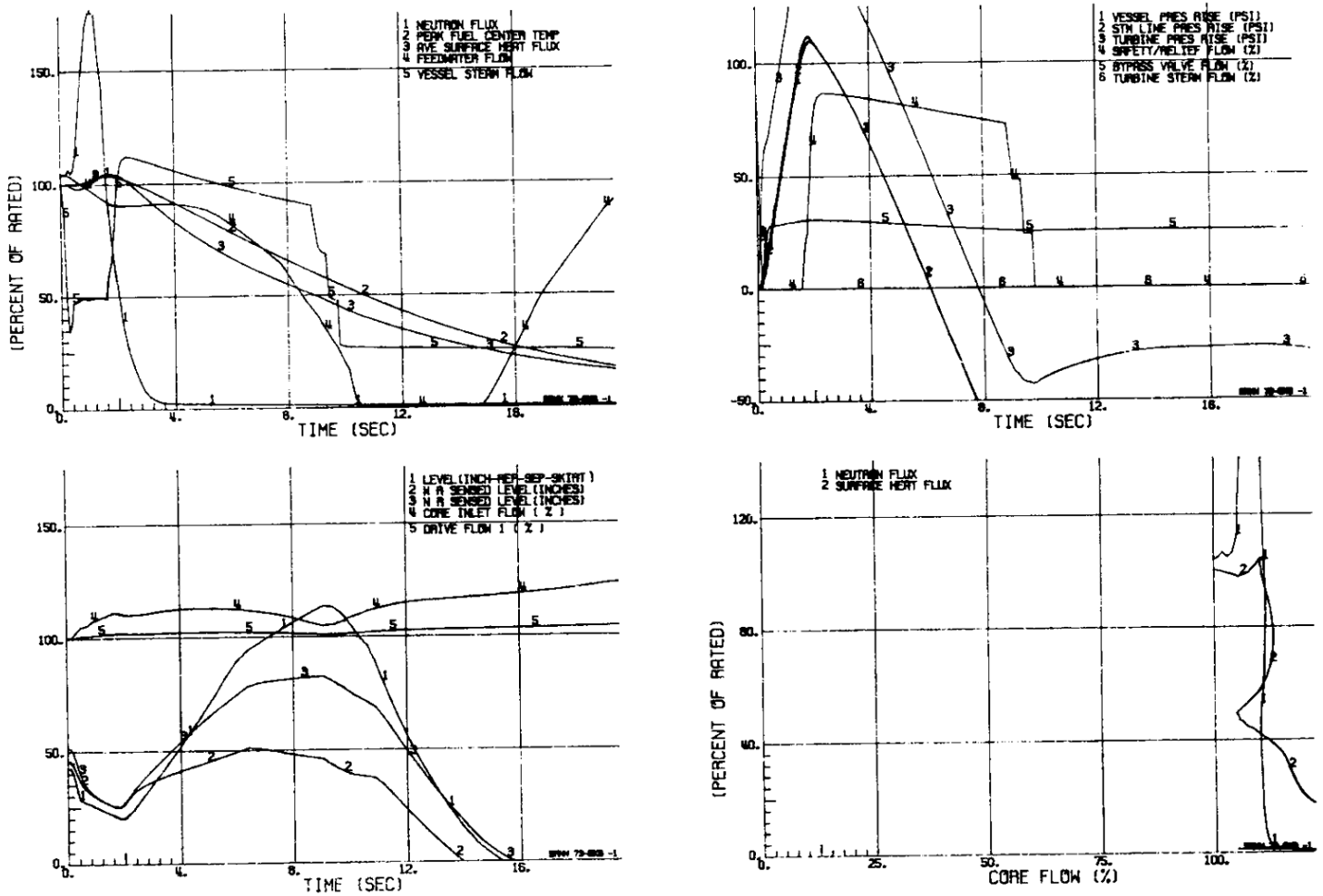
PRESSURE REGULATOR FAILURE (OPEN), UNIT 2 – CYCLE 1



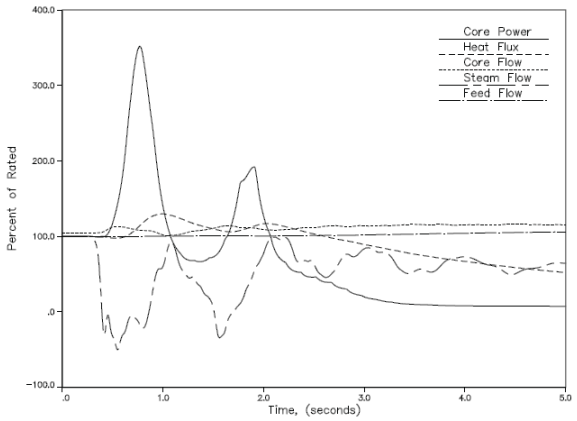
INADVERTENT OPENING OF A RELIEF OR SAFETY VALVE, UNIT 2 – CYCLE 1



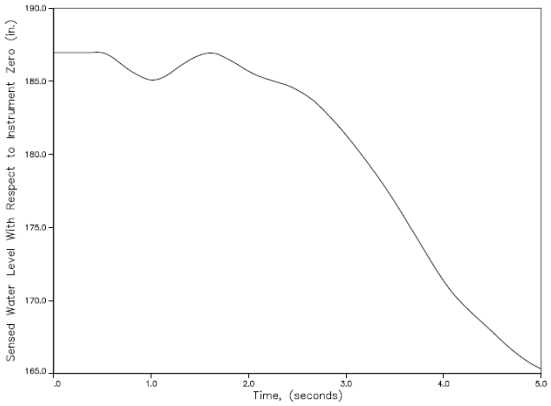
GENERATOR LOAD REJECTION WITH 25 PERCENT BYPASS, UNIT 1 – CYCLE 1



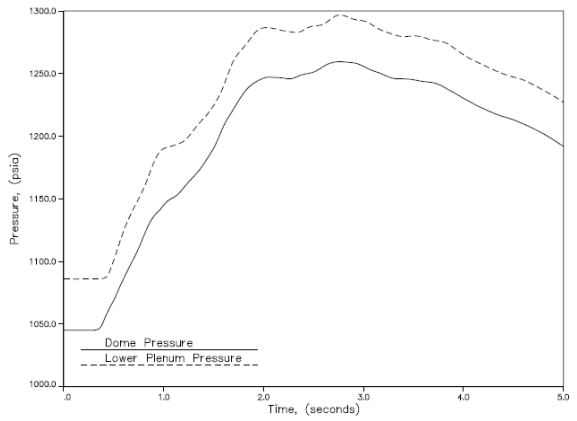
GENERATOR LOAD REJECTION, NO BYPASS, WITH ICF, UNIT 1 – CURRENT CYCLE (EOC 21)



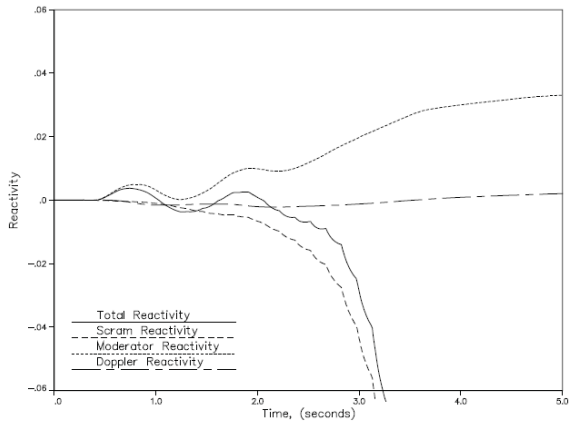
BRK1 CY21 LRNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT



BRK1 CY21 LRNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

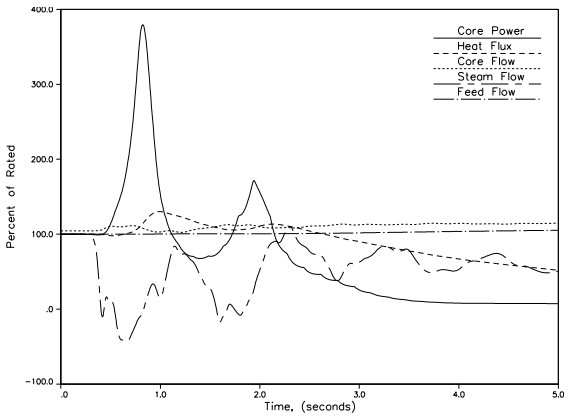


BRK1 CY21 LRNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

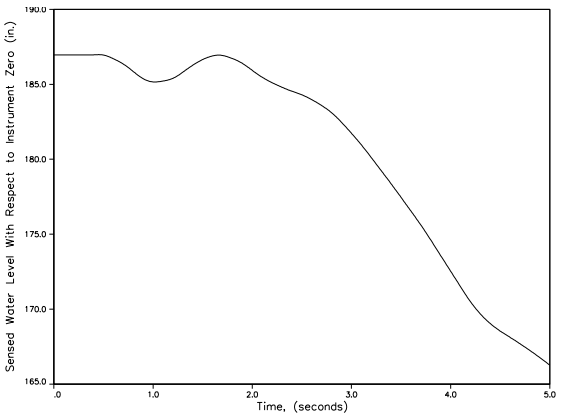


BRK1 CY21 LRNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

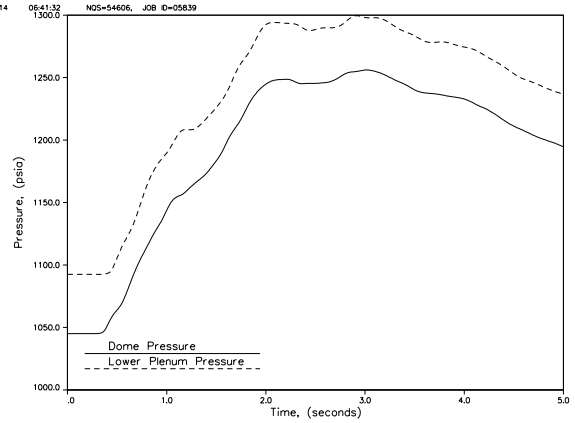
GENERATOR LOAD REJECTION, NO BYPASS, WITH ICF, UNIT 2 –CURRENT CYCLE (EOC 22)



BRK2 CY22 LRNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT

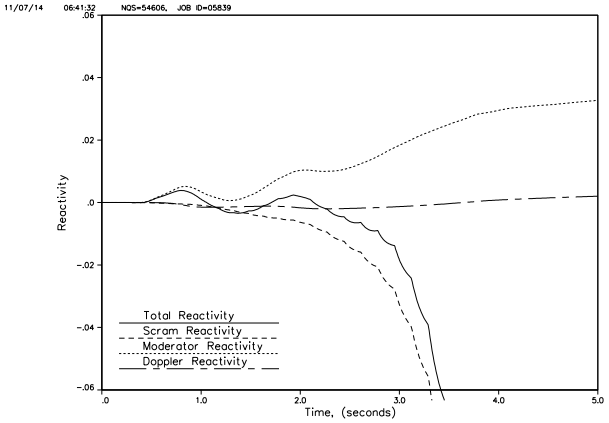


BRK2 CY22 LRNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT



BRK2 CY22 LRNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT

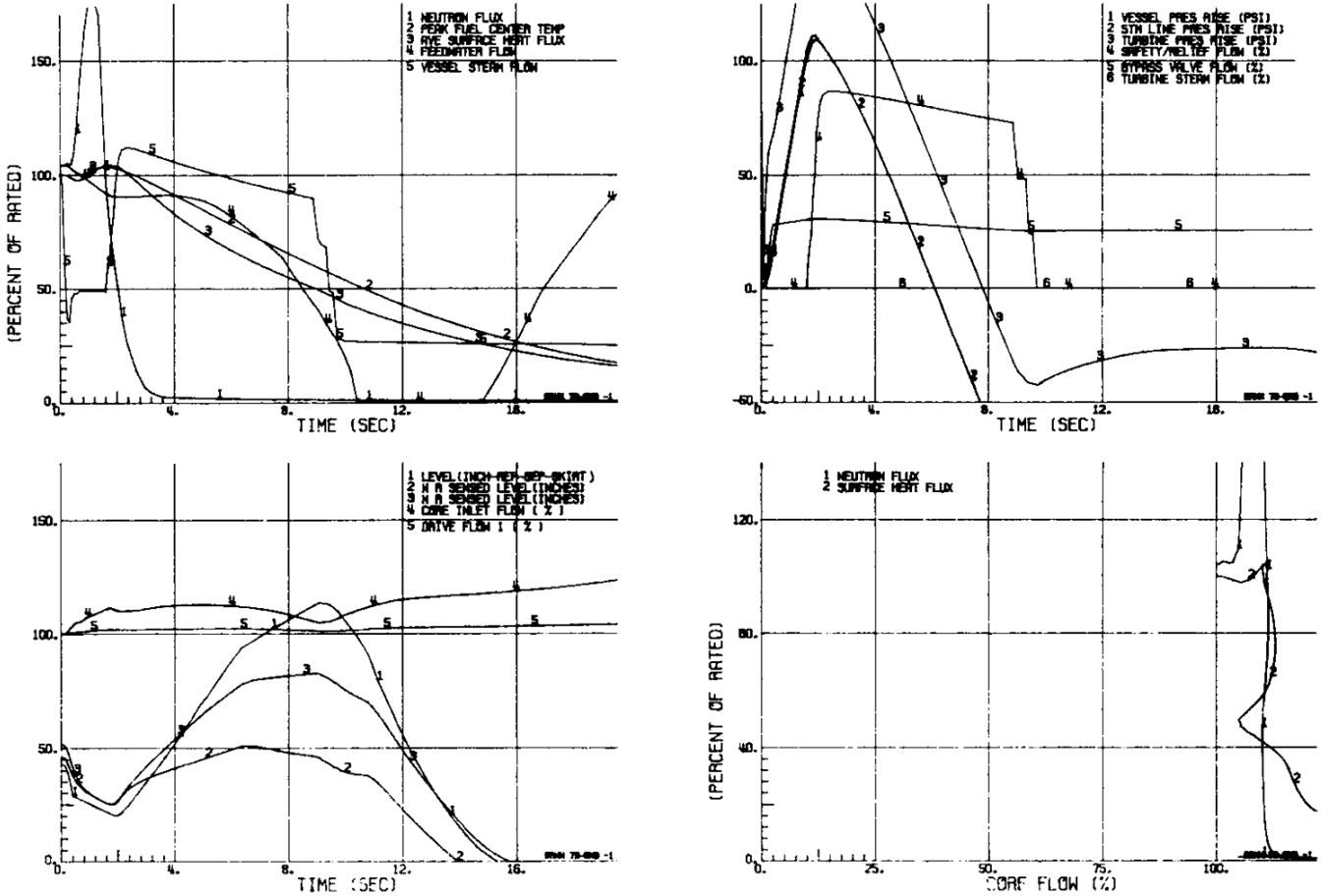
11/07/14 06:41:32 NOS=54606, JOB ID=05839



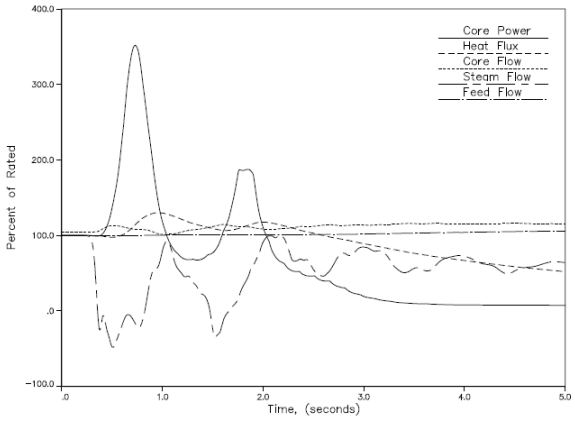
BRK2 CY22 LRNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT

11/07/14 06:41:32 NOS=54606, JOB ID=05839

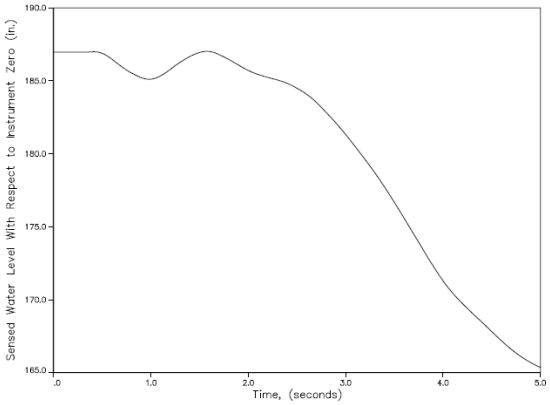
TURBINE TRIP WITH 25 PERCENT BYPASS, UNIT 1 – CYCLE 1



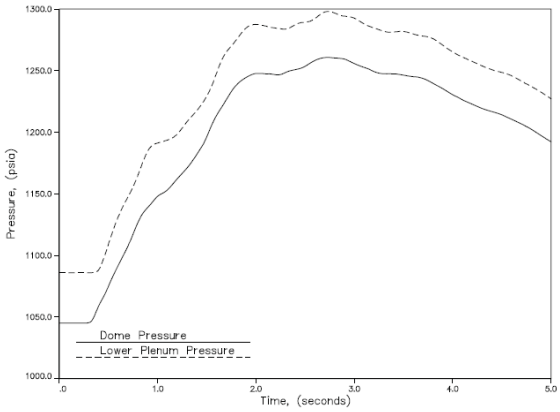
TURBINE TRIP WITHOUT BYPASS, WITH ICF, UNIT 1 – CURRENT CYCLE (EOC 21)



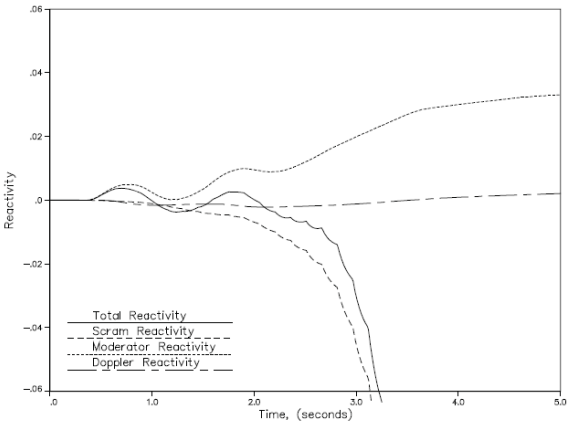
BRK1 CY21 TTNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT



BRK1 CY21 TTNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

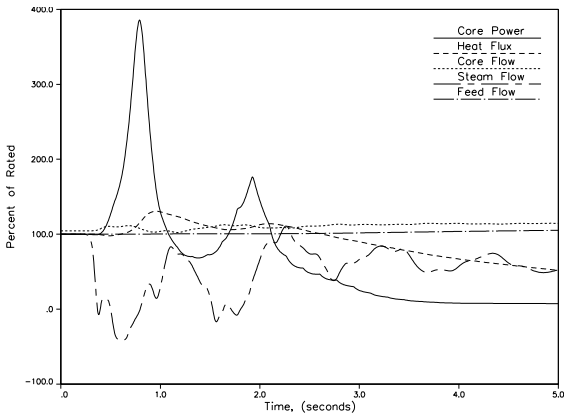


BRK1 CY21 TTNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

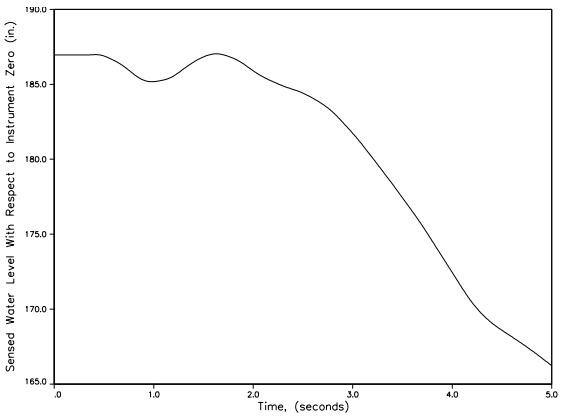


BRK1 CY21 TTNB 100P104.5F 19080.9X HBB TSSS Nom P Nom FWT

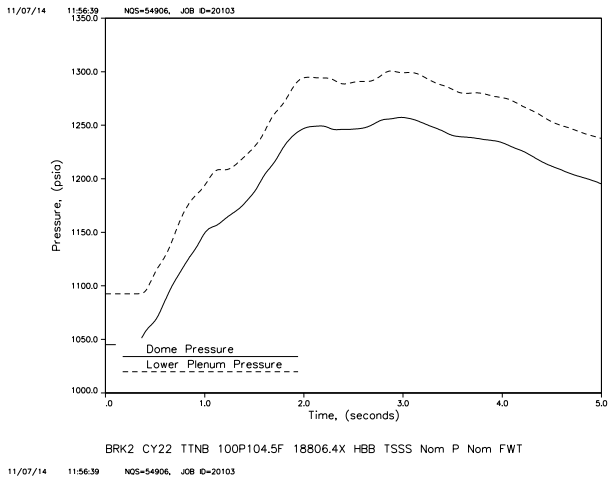
TURBINE TRIP WITHOUT BYPASS, WITH ICF, UNIT 2 – CURRENT CYCLE (EOC 22)



BRK2 CY22 TTNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT

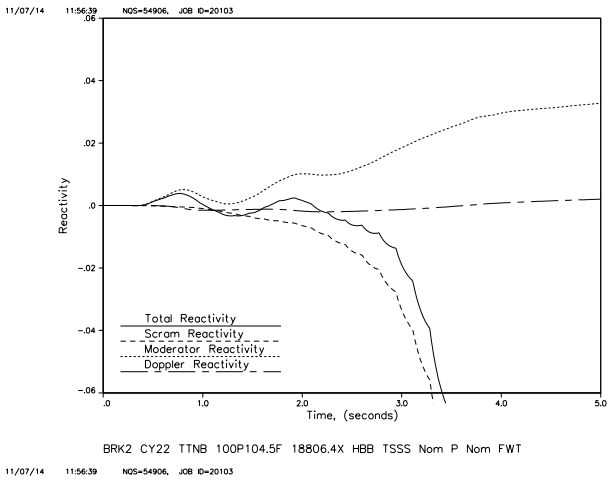


BRK2 CY22 TTNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT



BRK2 CY22 TTNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT

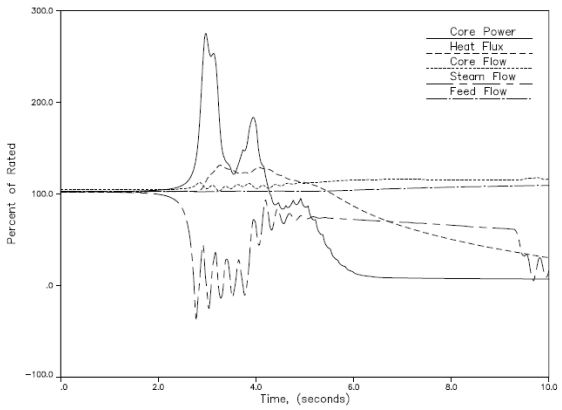
11/07/14 11:56:39 NQS=54906, JOB ID=20103



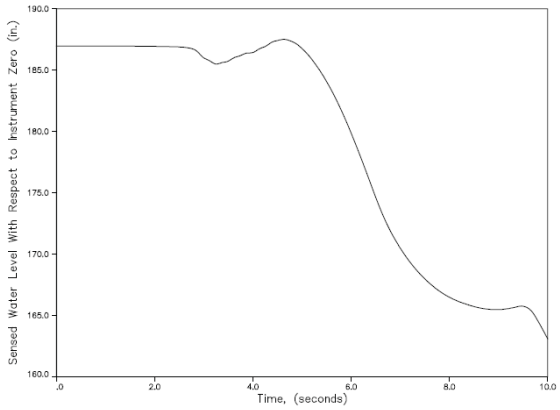
BRK2 CY22 TTNB 100P104.5F 18806.4X HBB TSSS Nom P Nom FWT

11/07/14 11:56:39 NQS=54906, JOB ID=20103

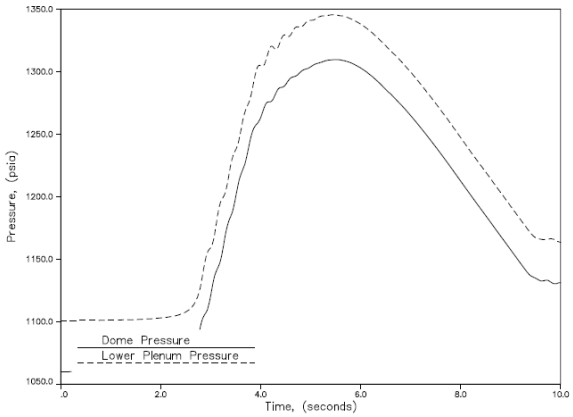
CLOSURE OF ALL MSIV, FLUX SCRAM, UNIT 1 – CURRENT CYCLE (CYCLE 21)



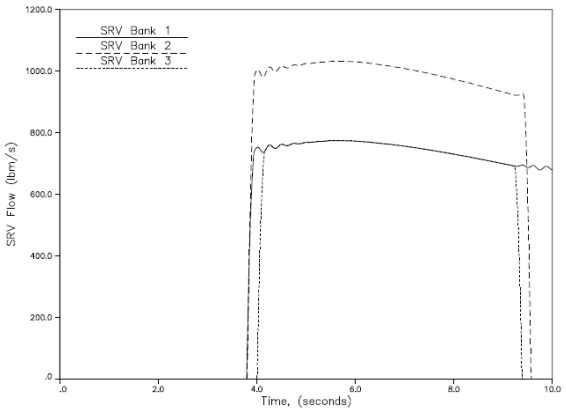
BRK1 CY21 ASME MSIV 102P104.5F 20598.1X HBB TSSS BASE



BRK1 CY21 ASME MSIV 102P104.5F 20598.1X HBB TSSS BASE

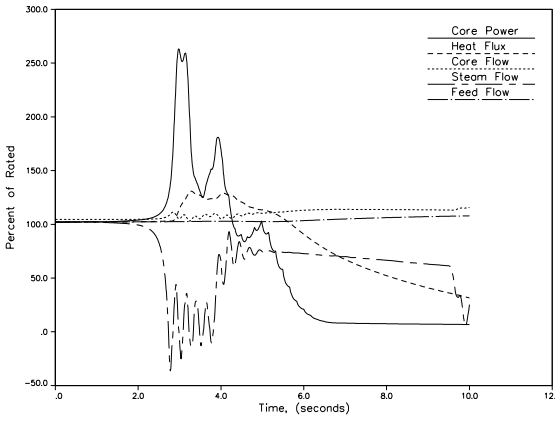


BRK1 CY21 ASME MSIV 102P104.5F 20598.1X HBB TSSS BASE

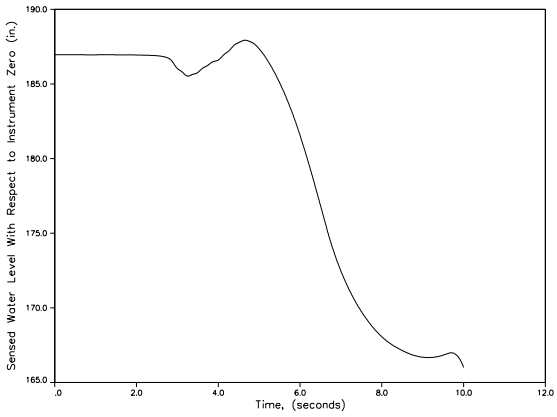


BRK1 CY21 ASME MSIV 102P104.5F 20598.1X HBB TSSS BASE

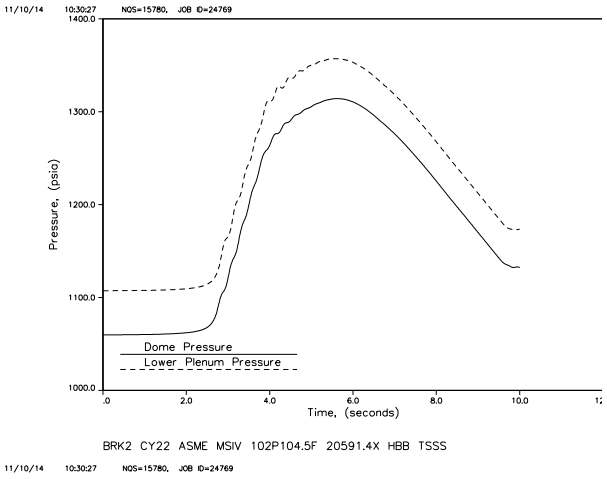
CLOSURE OF ALL MSIV, FLUX SCRAM, UNIT 2 –CYCLE 22

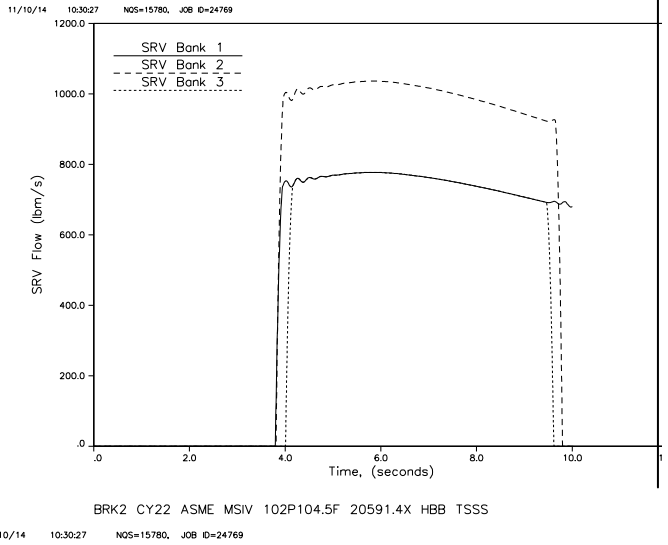


BRK2 CY22 ASME MSIV 102P104.5F 20591.4X HBB TSSS

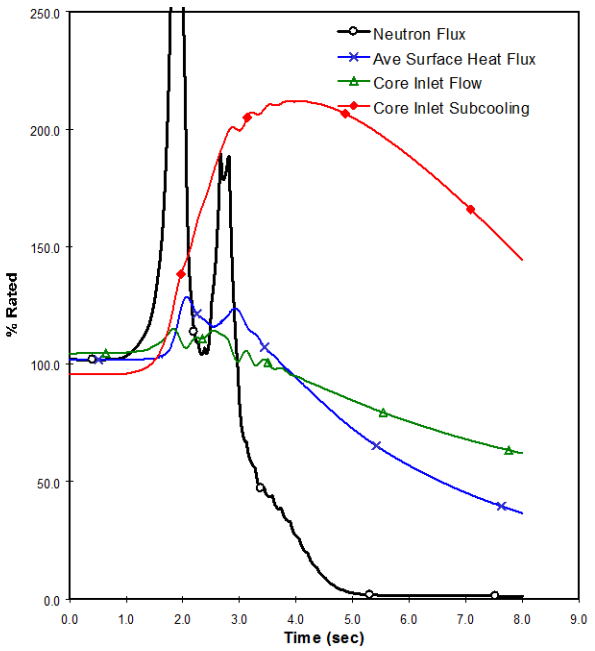


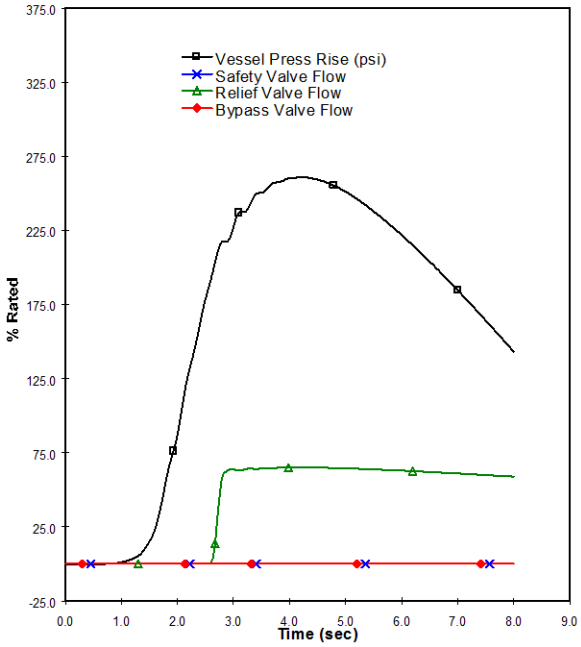
BRK2 CY22 ASME MSIV 102P104.5F 20591.4X HBB TSSS

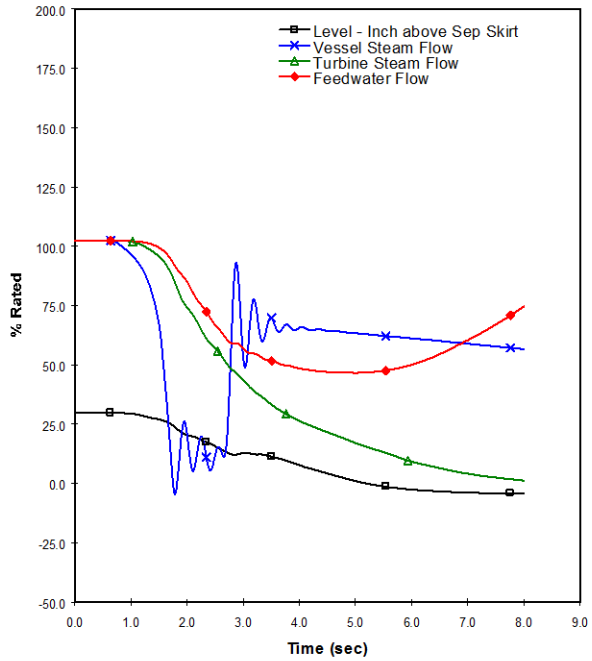


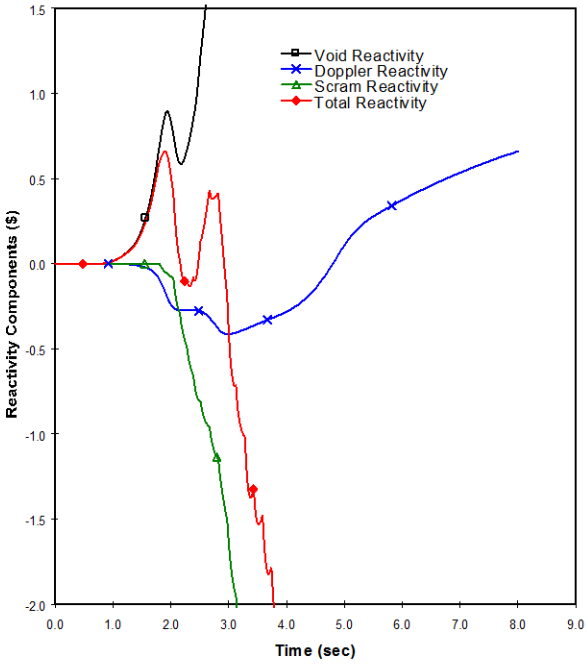


EXTENDED POWER UPRATE MSIV CLOSURE WITH FLUX SCRAM (102 PERCENT INITIAL POWER)

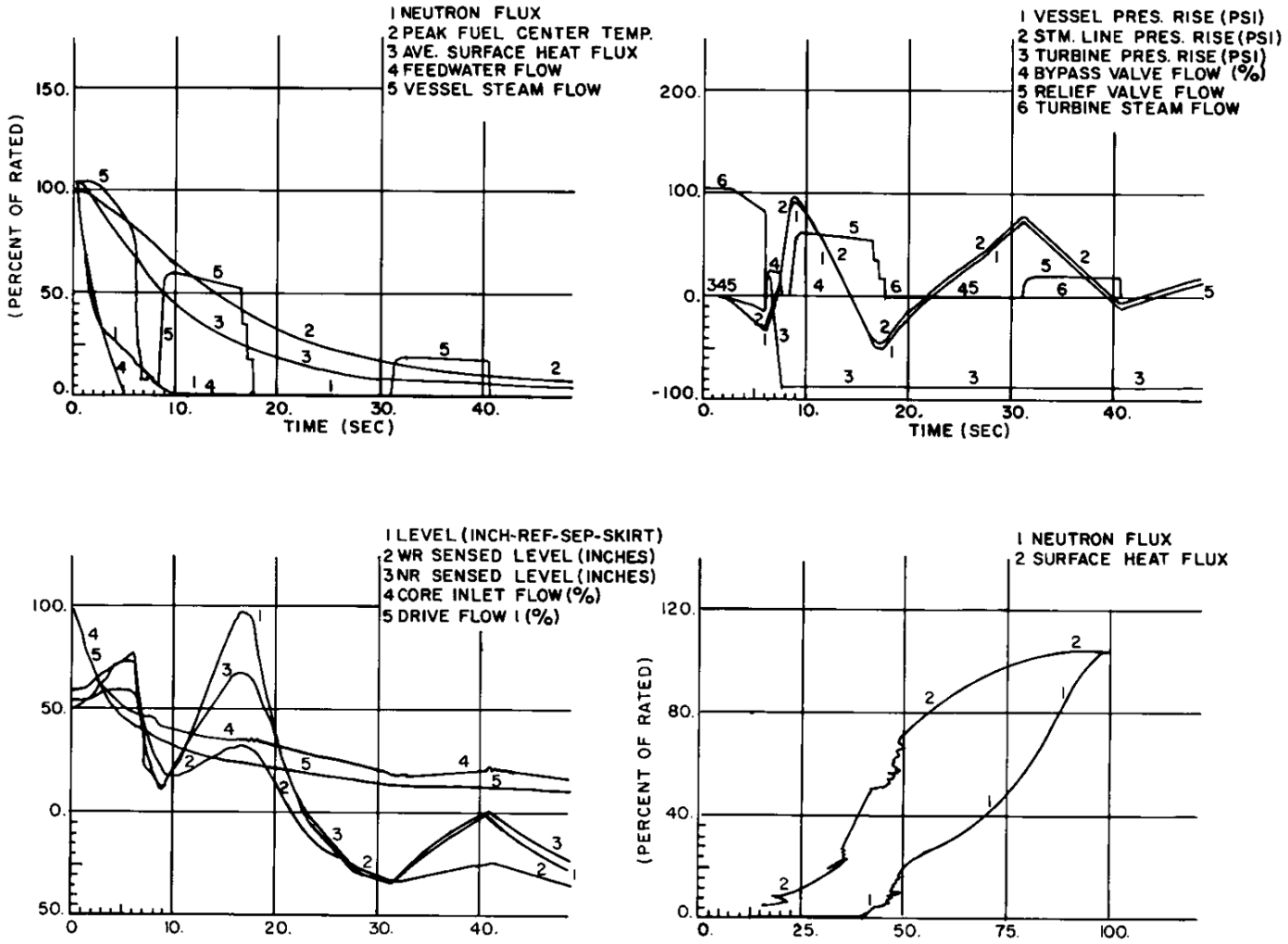




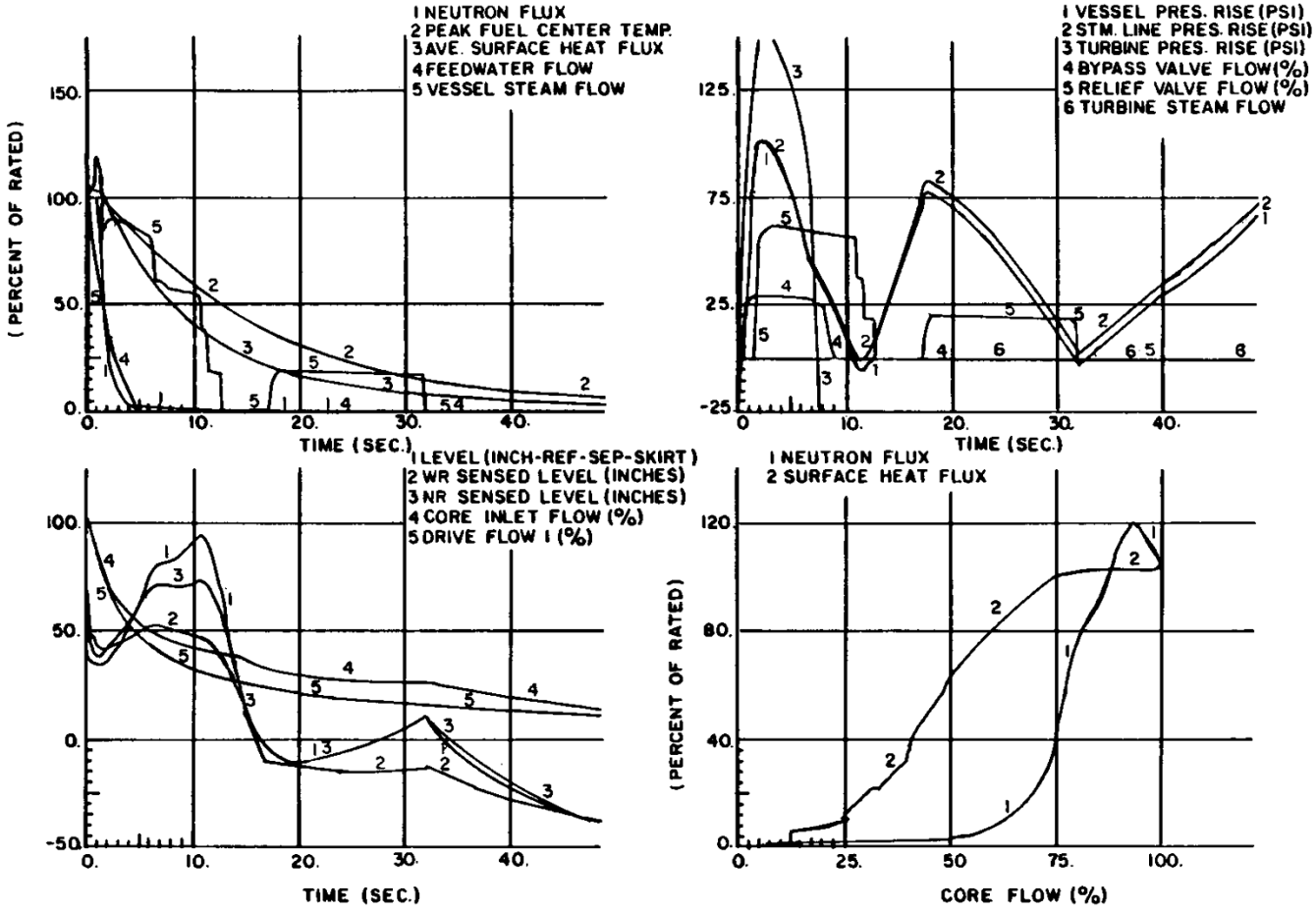




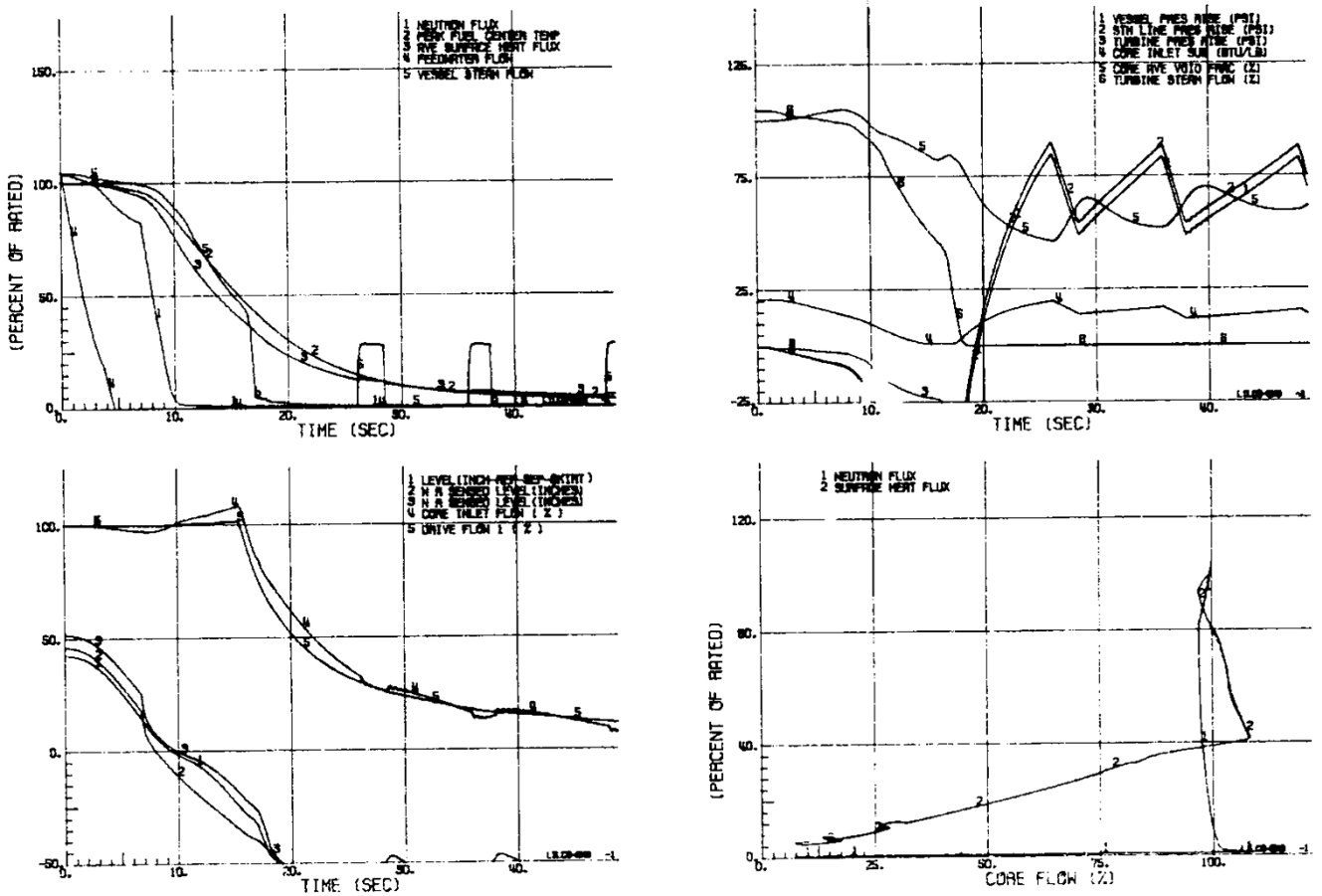
LOSS OF AUXILIARY POWER (TRANSFORMER) WITH 25 PERCENT BYPASS, UNIT 2 – CYCLE 1



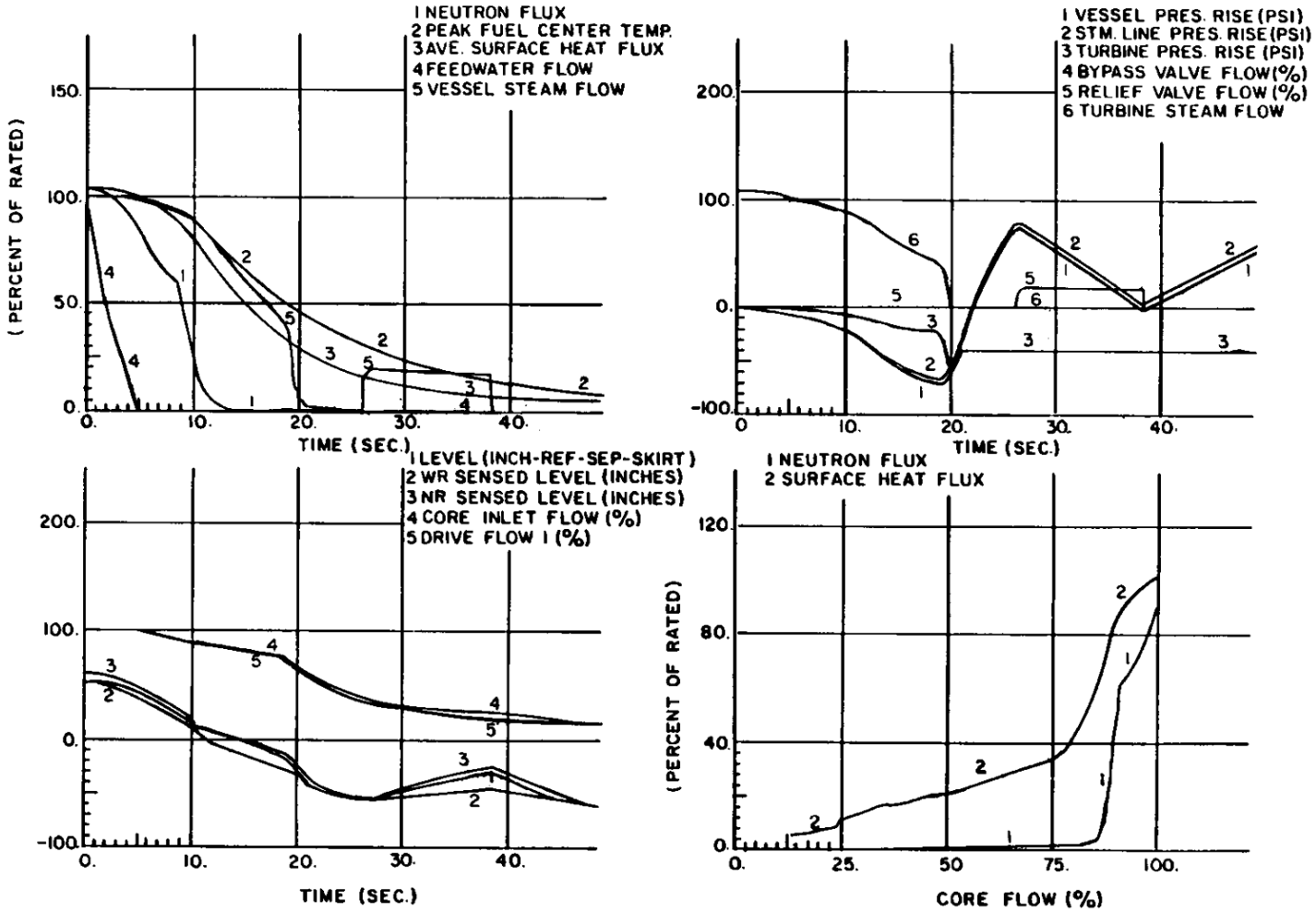
LOSS OF AUXILIARY POWER (ALL GRID CONNECTIONS) WITH 25 PERCENT BYPASS, UNIT 2 – CYCLE 1



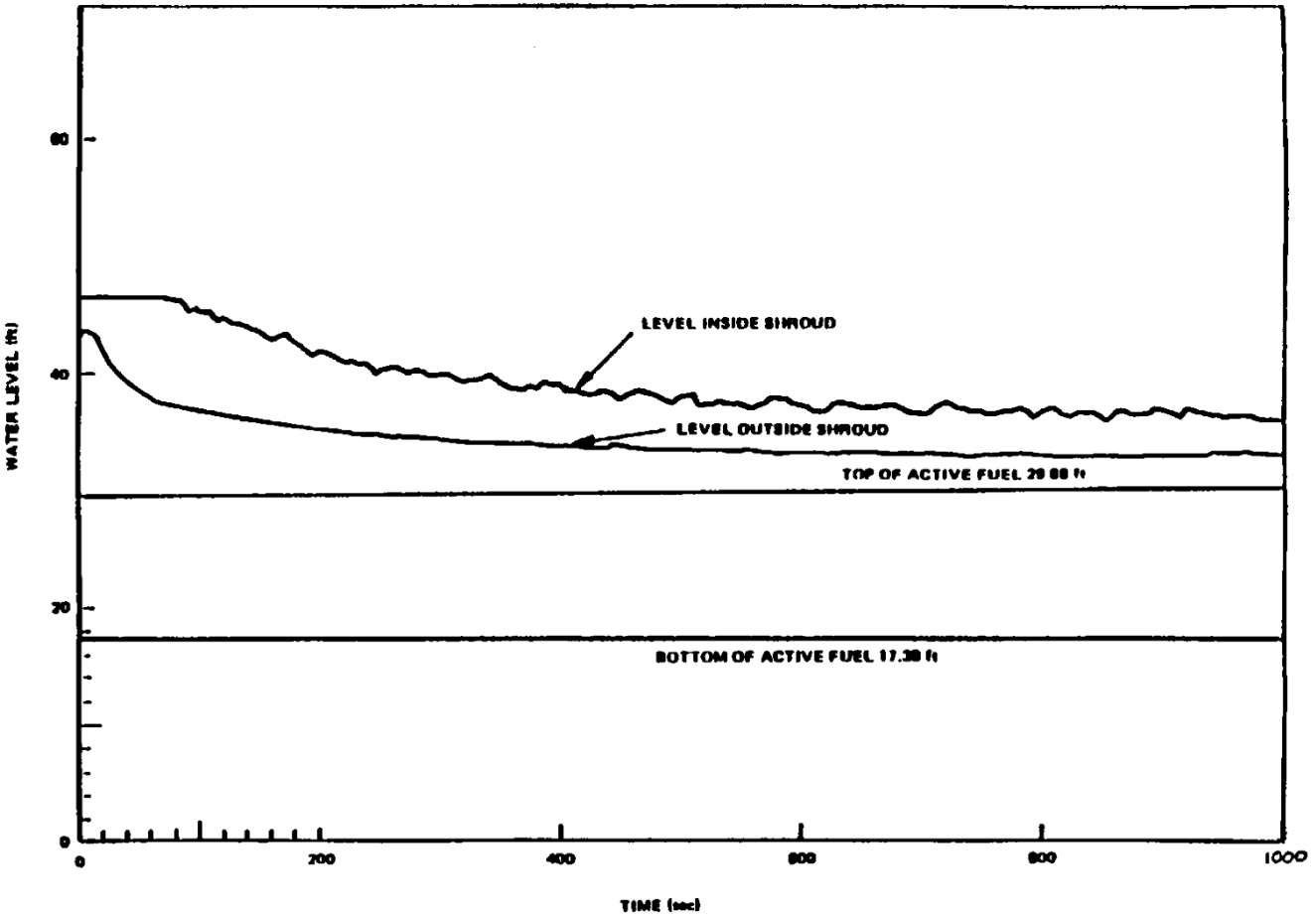
LOSS OF FEEDWATER FLOW, UNIT 1 – CYCLE 1



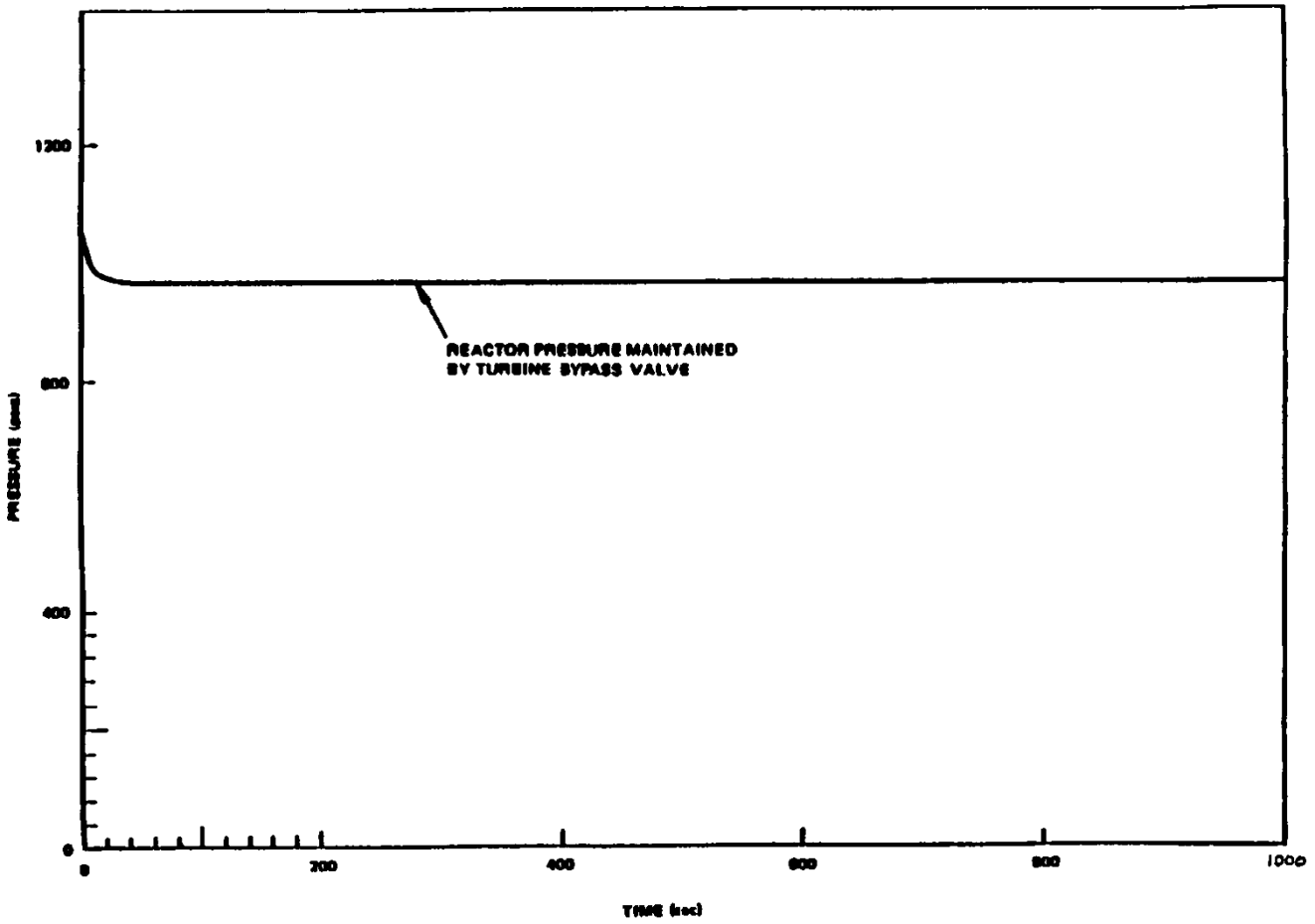
LOSS OF FEEDWATER FLOW, UNIT 2 - CYCLE 1



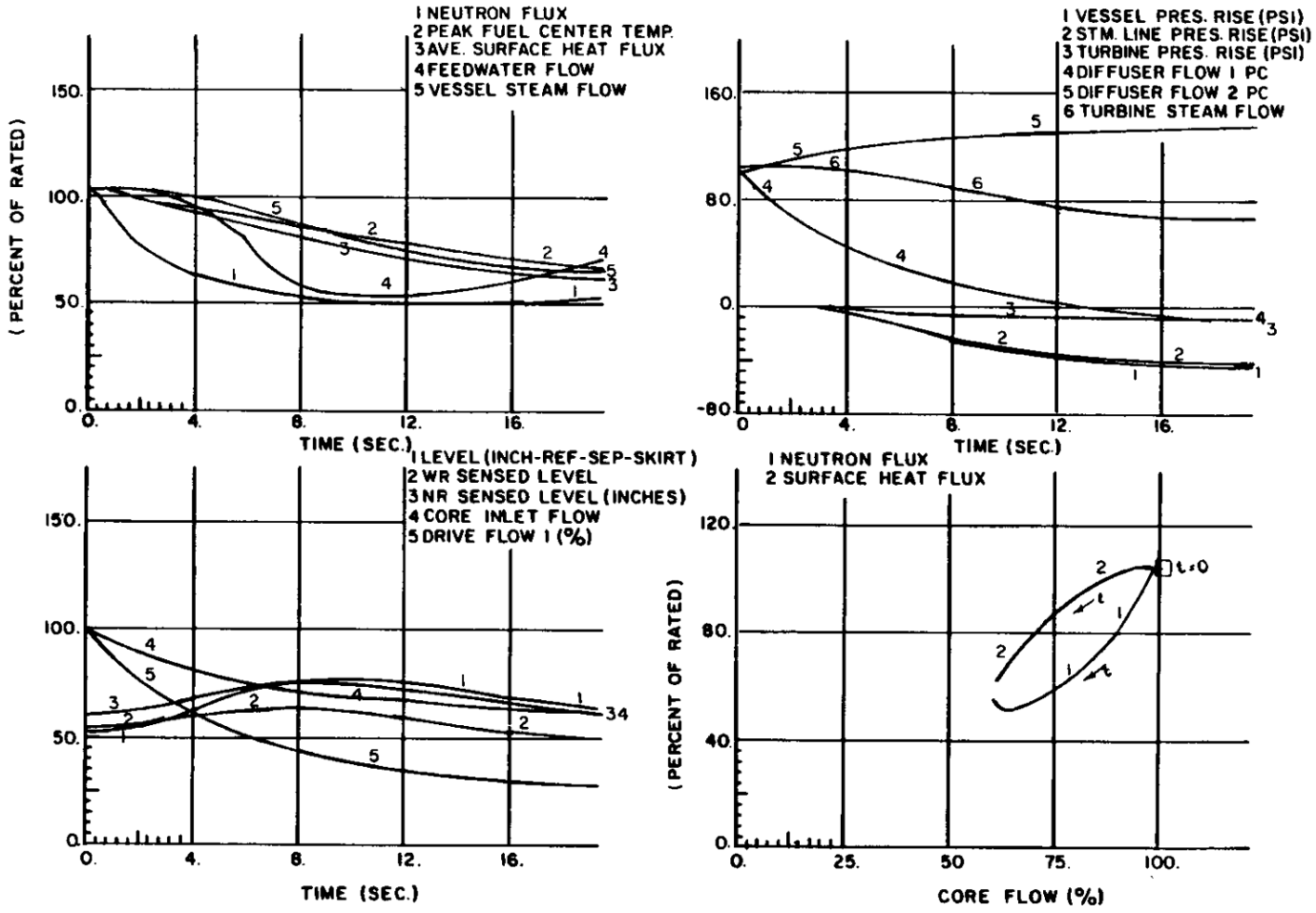
WATER LEVEL RESPONSE WITH REACTOR CORE ISOLATION COOLING FOR LOSS OF FEEDWATER FLOW EVENT AT ORIGINAL POWER



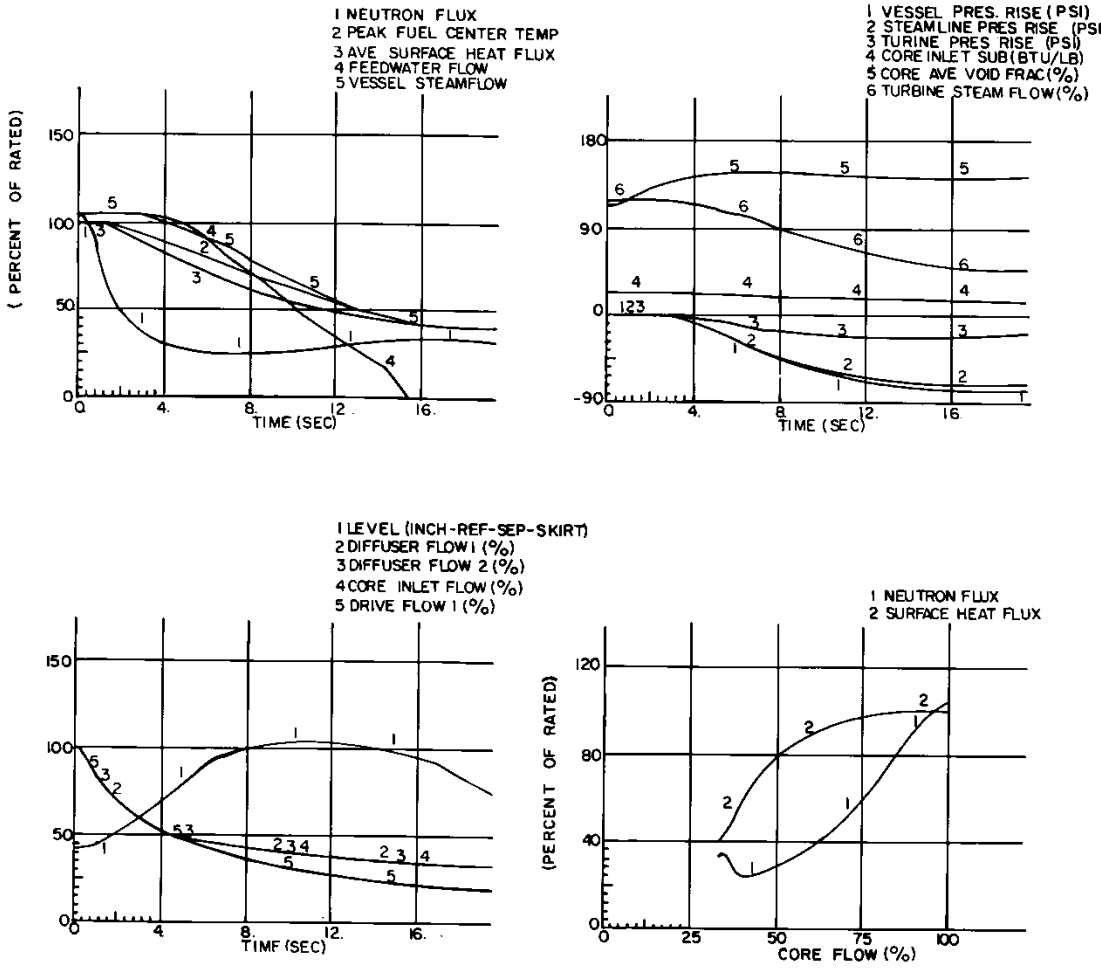
PRESSURE RESPONSE WITH REACTOR CORE ISOLATION COOLING FOR LOSS OF FEEDWATER FLOW EVENT AT ORIGINAL POWER



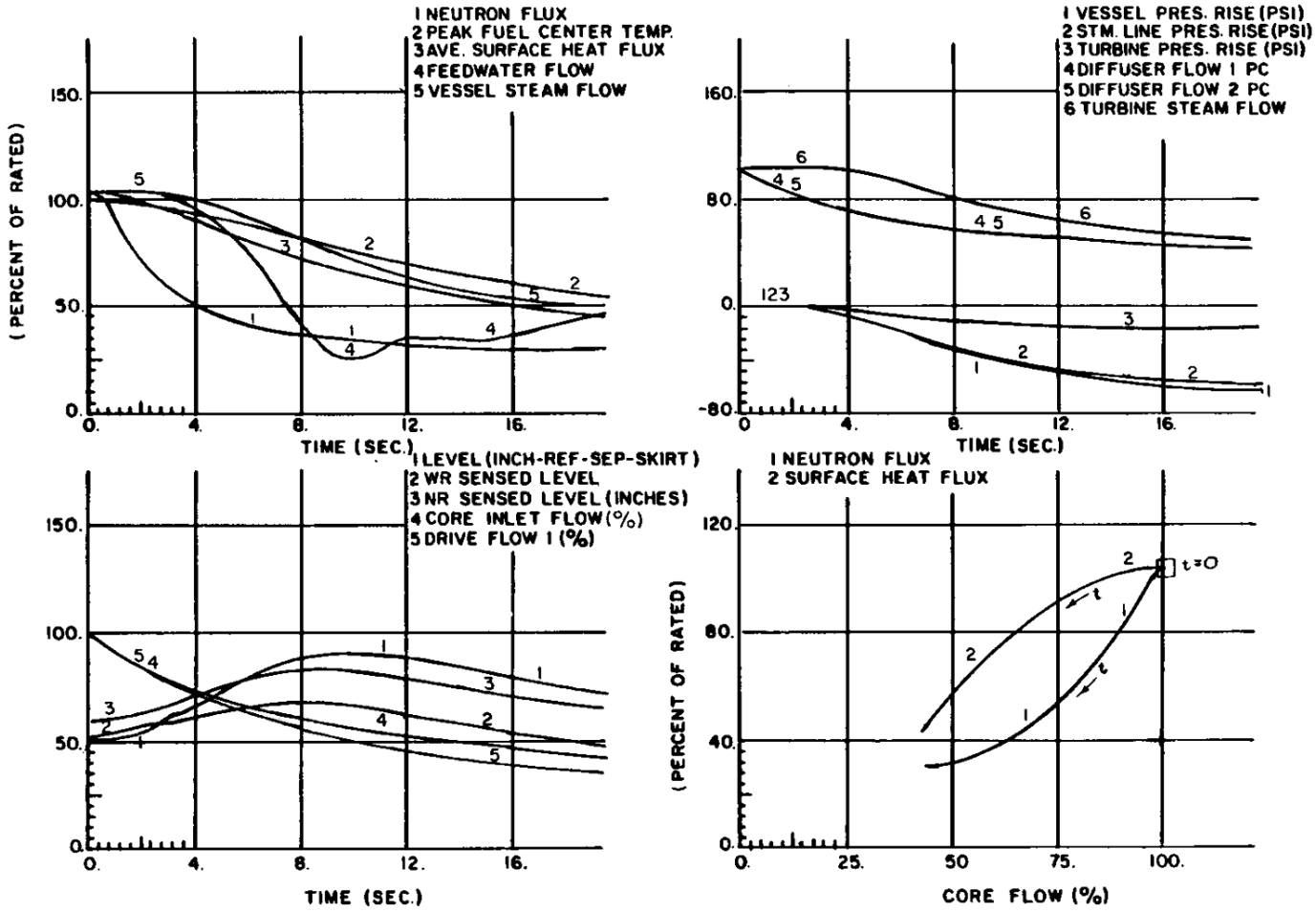
TRIP OF ONE RECIRCULATION PUMP, UNIT 2 – CYCLE 1



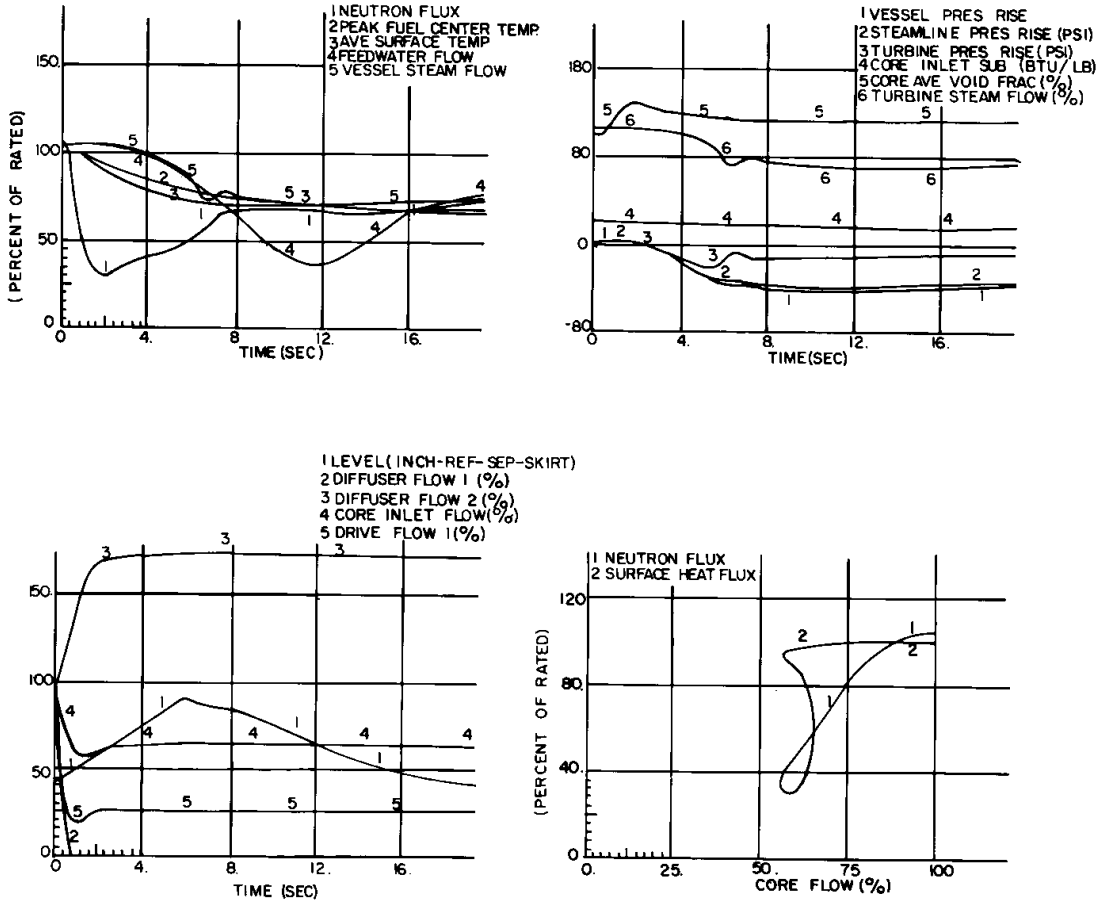
TRIP OF BOTH RECIRCULATION PUMPS, UNIT 1 – CYCLE 1



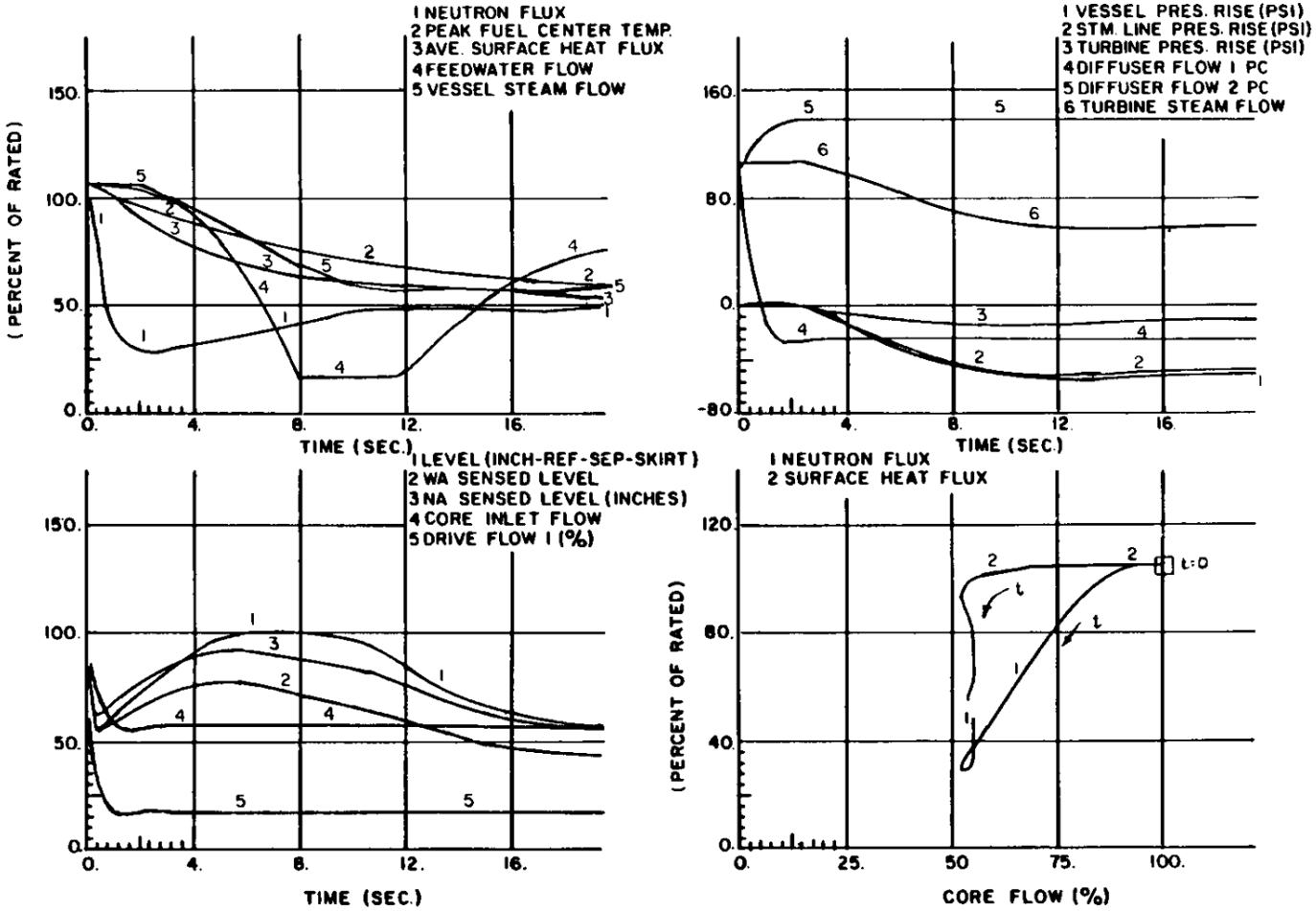
TRIP OF BOTH RECIRCULATION PUMPS, UNIT 2 – CYCLE 1



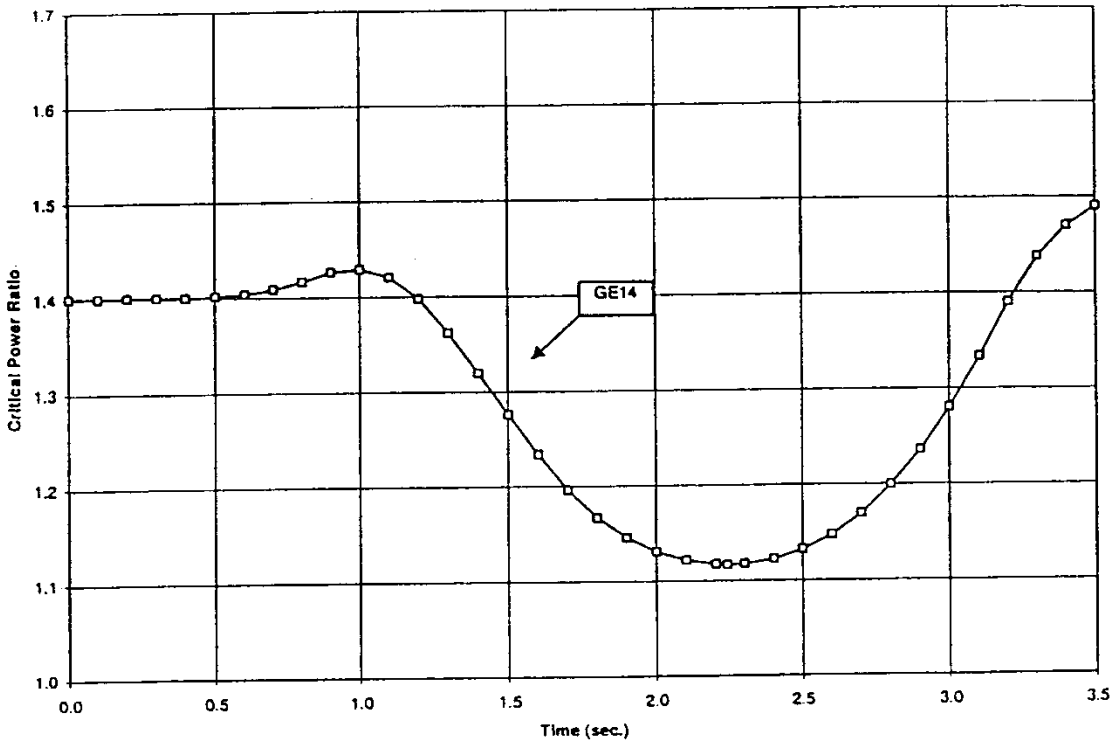
SEIZURE OF ONE RECIRCULATION PUMP, UNIT 1 – CYCLE 1



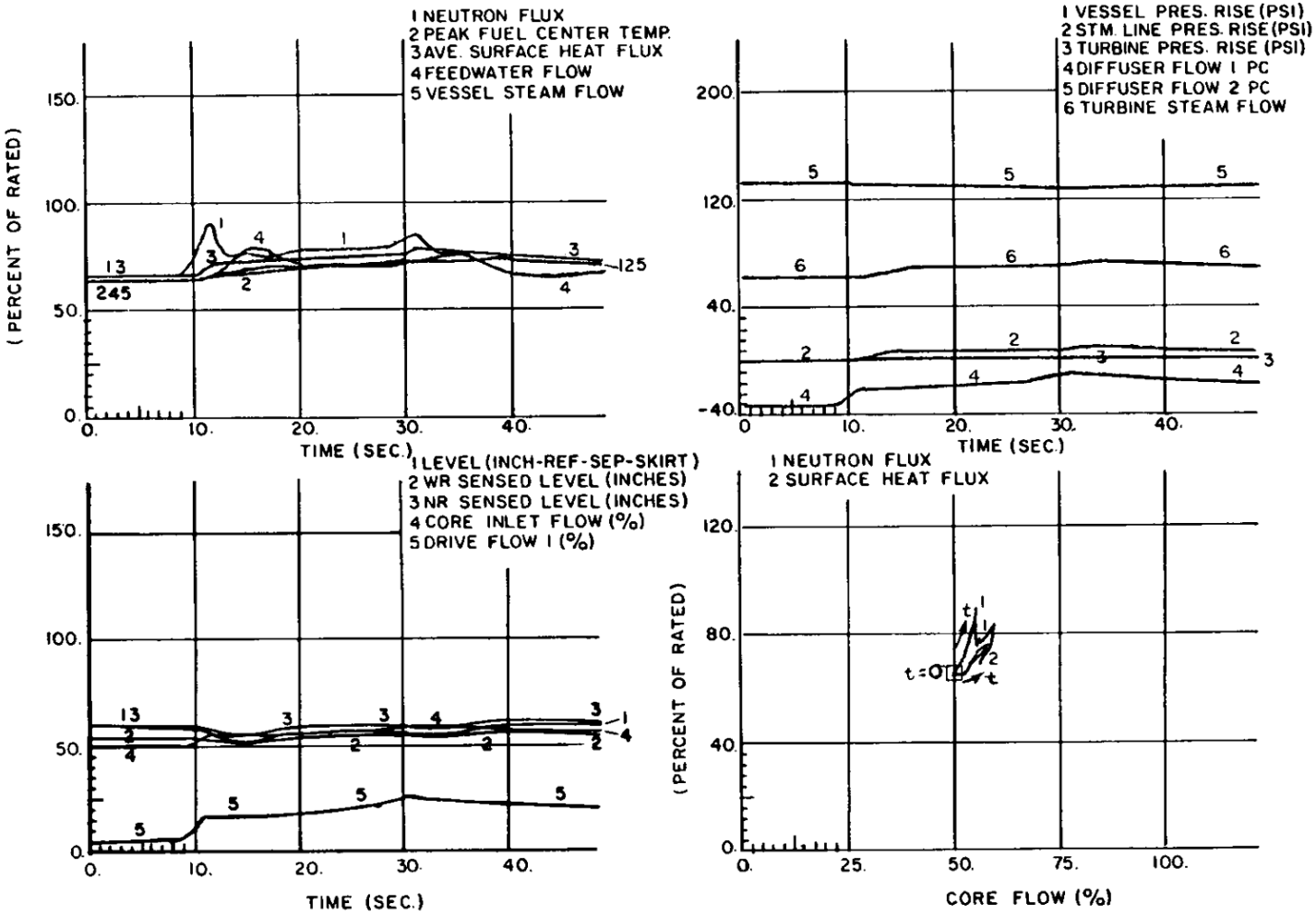
SEIZURE OF ONE RECIRCULATION PUMP, UNIT 2 – CYCLE 1



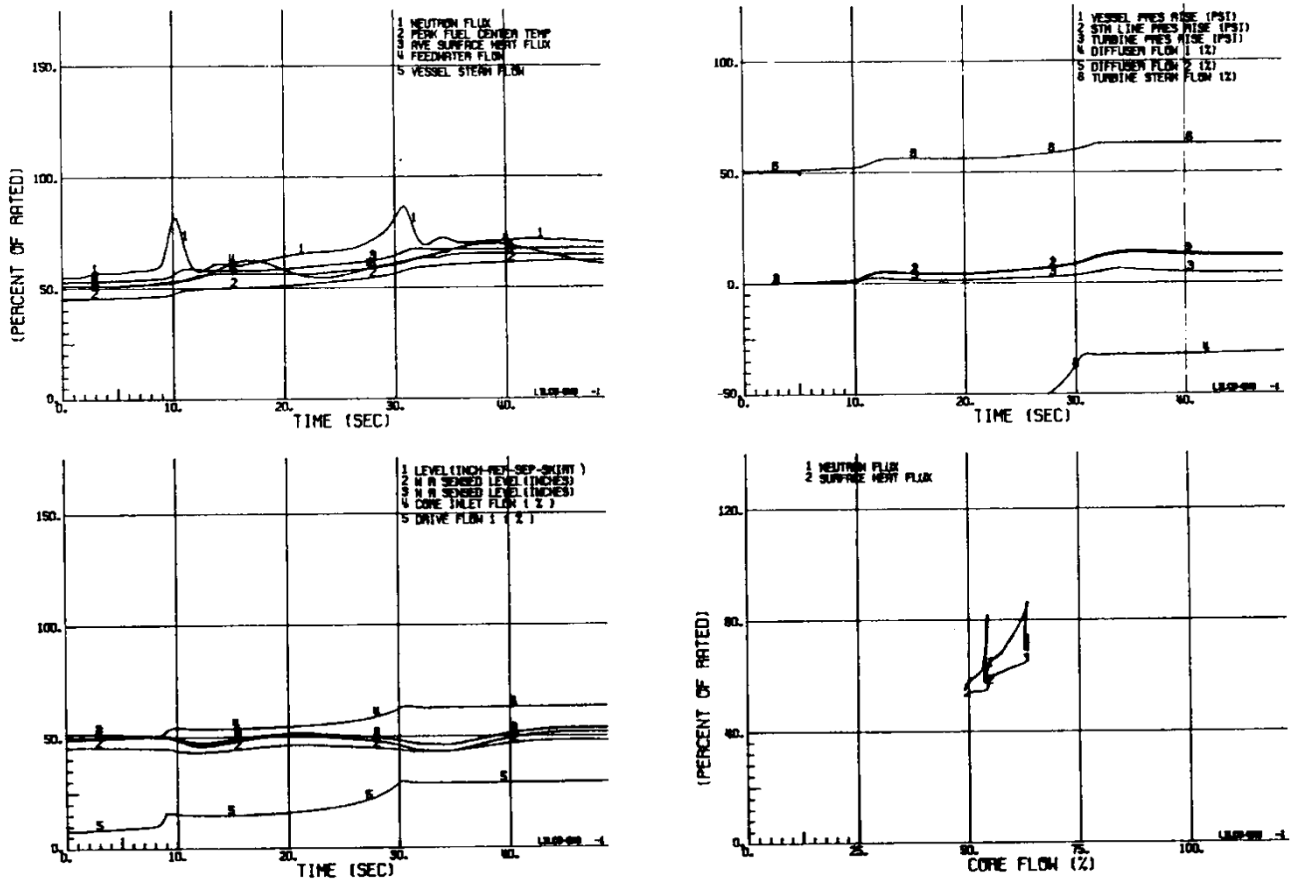
SEIZURE OF OPERATING RECIRCULATION PUMP SINGLE LOOP OPERATION



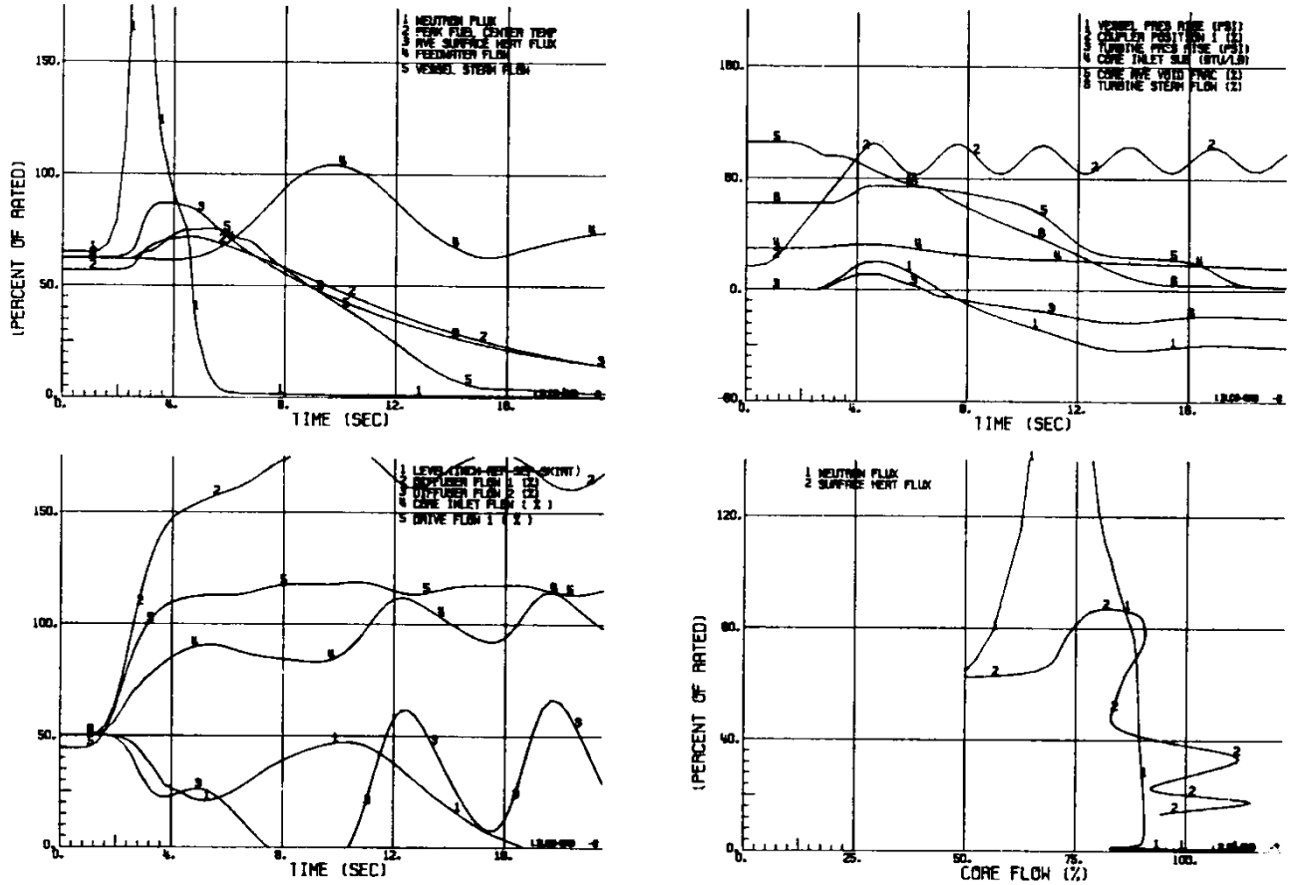
ABNORMAL STARTUP OF IDLE RECIRCULATION PUMP, UNIT 2 – CYCLE 1



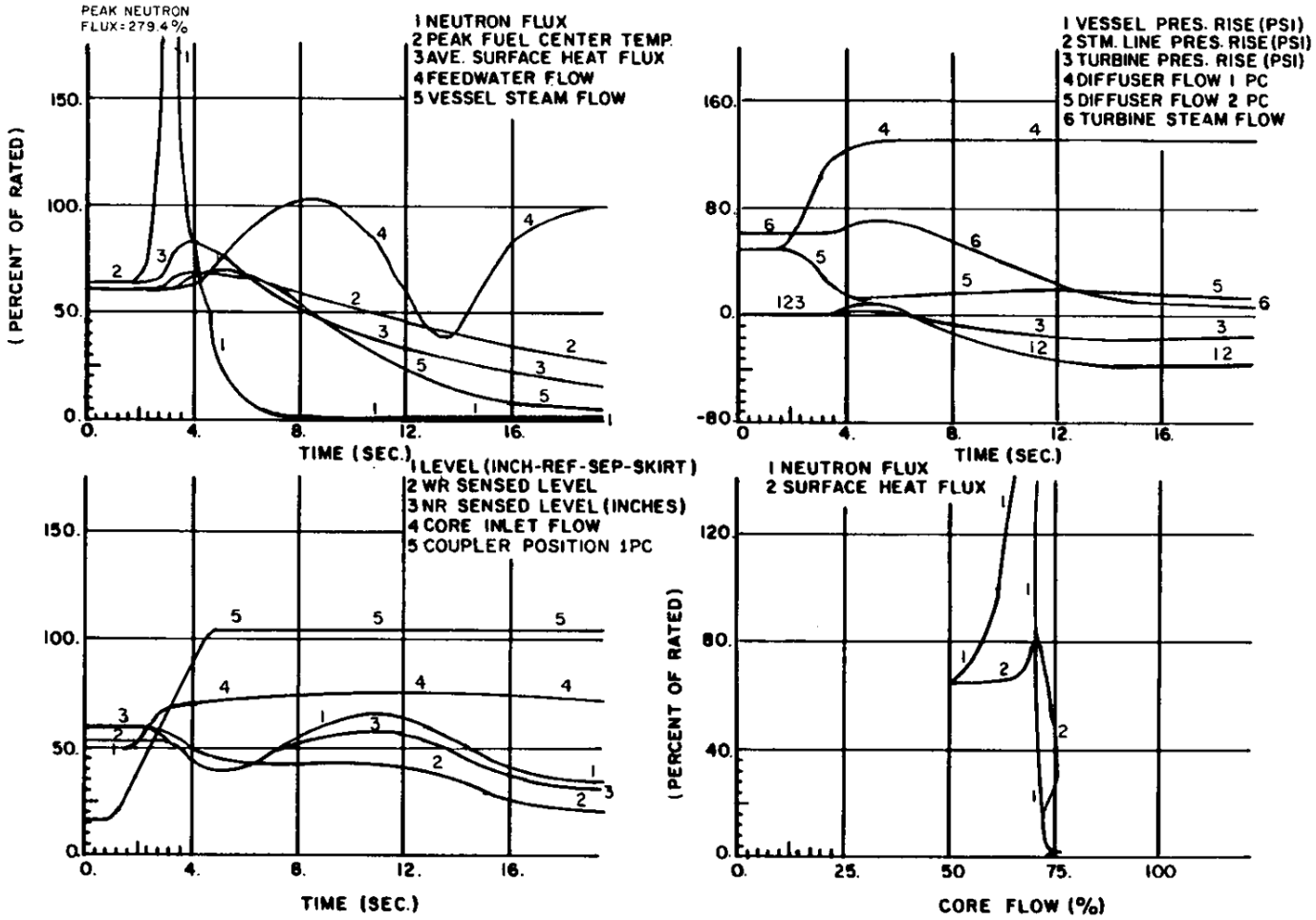
ABNORMAL STARTUP OF IDLE RECIRCULATION PUMP, UNIT 1 – CYCLE 1



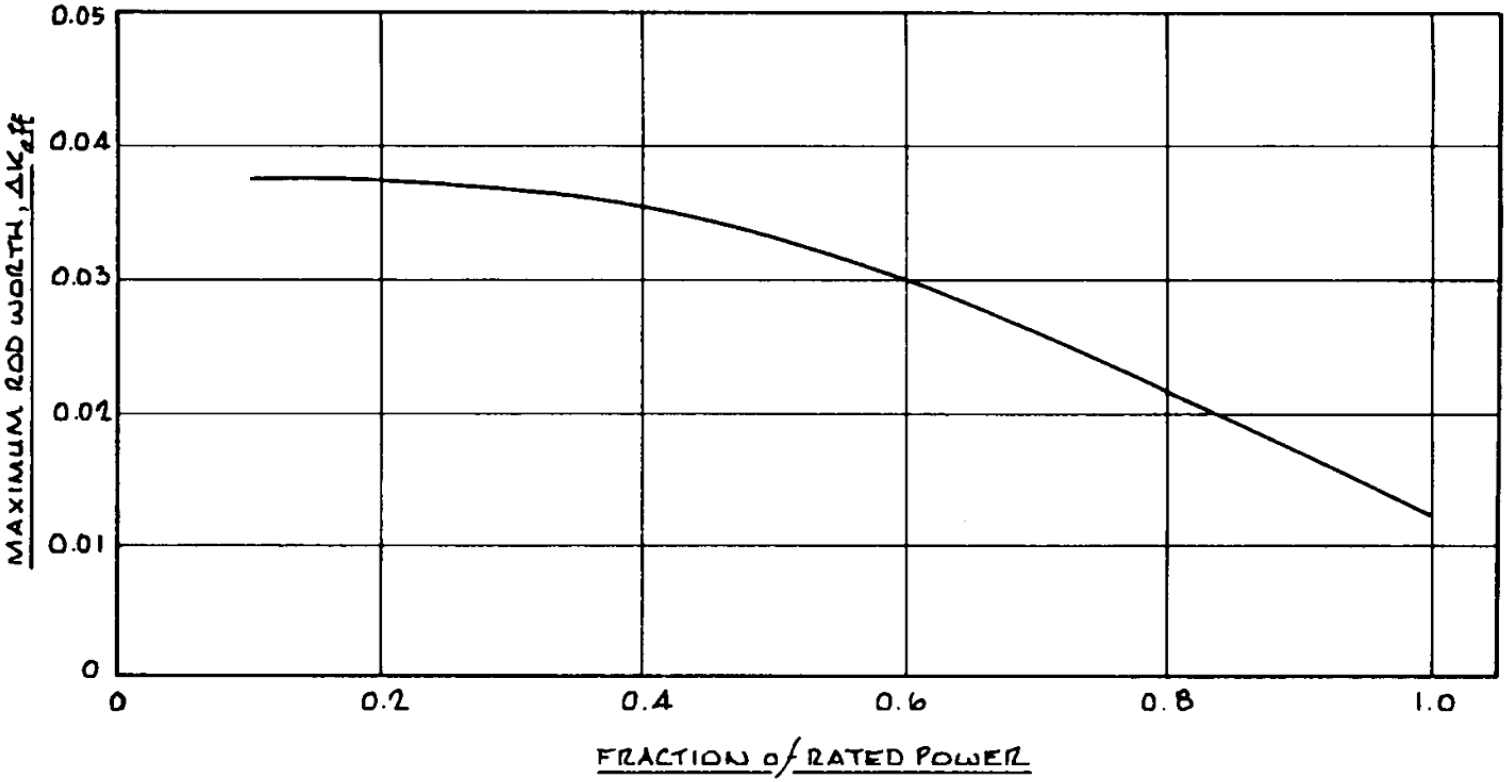
RECIRCULATION FLOW CONTROL FAILURE - INCREASING FLOW, UNIT 1 – CYCLE 1



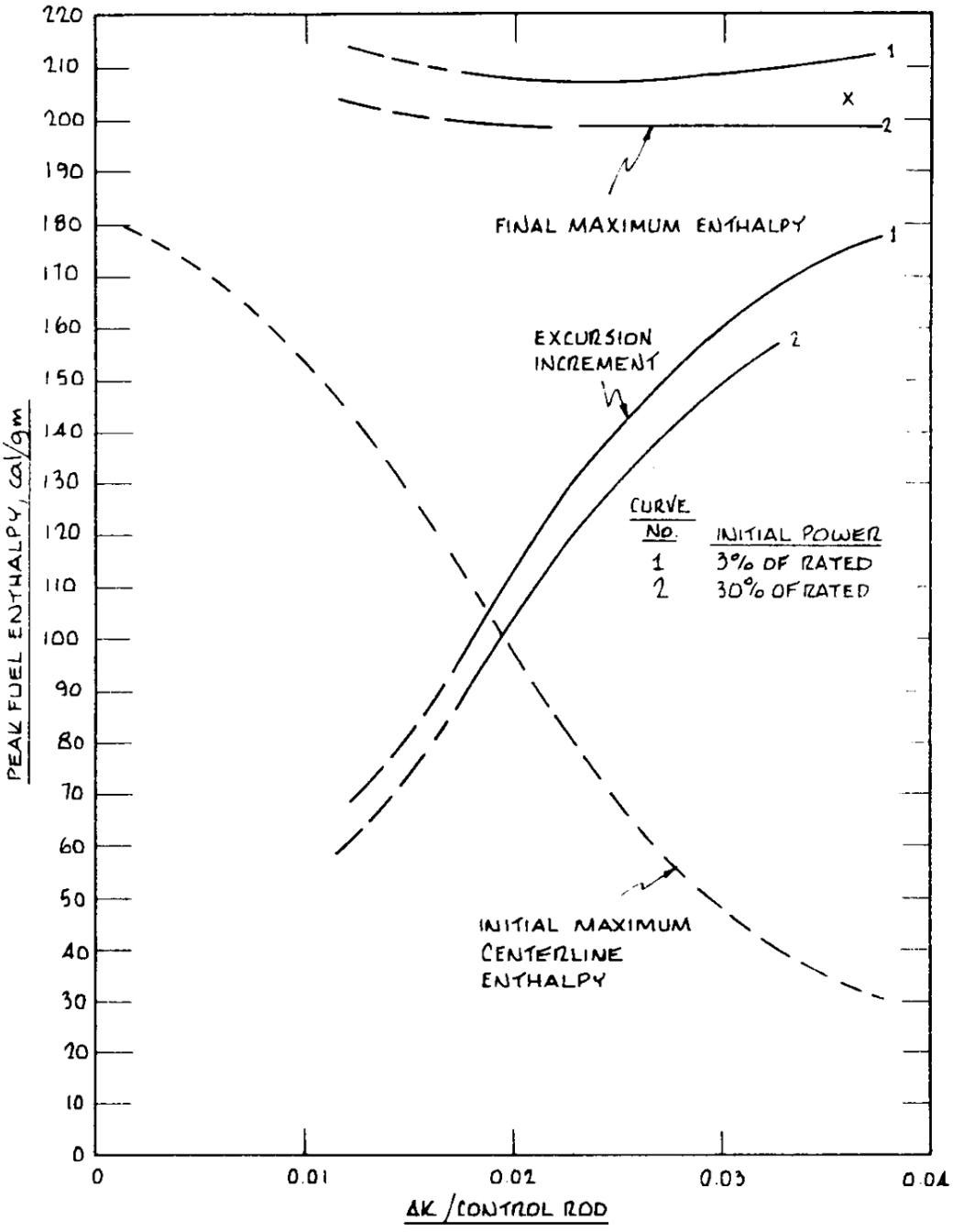
RECIRCULATION FLOW CONTROL FAILURE - INCREASING FLOW, UNIT 2 – CYCLE 1



MAXIMUM ROD WORTH VERSUS POWER LEVEL, UNIT 2 – CYCLE 1



ROD DROP ACCIDENT (POWER RANGE) PEAK FUEL ENTHALPY, UNIT 2 – CYCLE 1



MAIN STEAM LINE BREAK ACCIDENT BREAK LOCATION